

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\
 Data File : VN064400.D
 Acq On : 30 Oct 2020 15:18
 Operator : JC/MD
 Sample : VN1030MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 4:11:40 PM

Quant Time: Nov 02 02:49:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	244339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	357814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	196717	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.55	113	133084	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.06	98	474776	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.37	95	179969	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	52454	18.676	ug/l	100
3) Chloromethane	2.04	50	53104	17.491	ug/l	98
4) Vinyl Chloride	2.16	62	53806	18.322	ug/l	96
5) Bromomethane	2.53	94	31717	16.714	ug/l	92
6) Chloroethane	2.67	64	33280	18.965	ug/l	95
7) Trichlorofluoromethane	2.98	101	95009	19.311	ug/l	99
8) Diethyl Ether	3.38	74	28589	18.369	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	46625	18.856	ug/l	95
10) Methyl Iodide	3.91	142	51872	15.720	ug/l	100
11) Tert butyl alcohol	4.73	59	47899	84.034	ug/l #	84
12) 1,1-Dichloroethene	3.70	96	44600	19.106	ug/l	99
13) Acrolein	3.58	56	9171	86.579	ug/l	98
14) Allyl chloride	4.28	41	75957	15.936	ug/l	93
15) Acrylonitrile	4.93	53	114843	93.691	ug/l	99
16) Acetone	3.77	43	115022	80.957	ug/l	99
17) Carbon Disulfide	4.01	76	112450	16.281	ug/l	99
18) Methyl Acetate	4.28	43	52879	17.928	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	165704	18.475	ug/l	98
20) Methylene Chloride	4.50	84	50332	18.075	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	47740	18.333	ug/l	93
22) Diisopropyl ether	5.90	45	173757	18.650	ug/l	94
23) Vinyl Acetate	5.84	43	745793	94.618	ug/l	99
24) 1,1-Dichloroethane	5.80	63	96209	18.454	ug/l	100
25) 2-Butanone	6.78	43	169619	86.035	ug/l	93
26) 2,2-Dichloropropane	6.77	77	91128	17.860	ug/l #	73
27) cis-1,2-Dichloroethene	6.78	96	55204	18.523	ug/l	98
28) Bromochloromethane	7.15	49	45952	18.500	ug/l	97
29) Tetrahydrofuran	7.16	42	110891	86.641	ug/l	99
30) Chloroform	7.33	83	104947	18.860	ug/l	98
31) Cyclohexane	7.61	56	79032	17.343	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	94716	17.725	ug/l	97
36) 1,1-Dichloropropene	7.75	75	73467	18.358	ug/l	97
37) Ethyl Acetate	6.88	43	75373	18.646	ug/l #	94
38) Carbon Tetrachloride	7.73	117	86812	18.711	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	61105	15.399	ug/l	94
40) Benzene	8.00	78	207219	18.602	ug/l	98
41) Methacrylonitrile	7.14	41	40729m	20.297	ug/l	
42) 1,2-Dichloroethane	8.08	62	93030	19.333	ug/l	100
43) Isopropyl Acetate	8.13	43	126859	18.359	ug/l	98
44) Trichloroethene	8.80	130	56016	19.196	ug/l	100
45) 1,2-Dichloropropane	9.08	63	55869	18.729	ug/l	97
46) Dibromomethane	9.18	93	38094	18.255	ug/l	93
47) Bromodichloromethane	9.37	83	83422	18.038	ug/l	96
48) Methyl methacrylate	9.16	41	65100	18.260	ug/l	96
49) 1,4-Dioxane	9.16	88	17694	336.720	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	365295	90.944	ug/l	99
52) Toluene	10.13	92	126188	17.952	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	89645	18.332	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	93066	18.488	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	52422	18.893	ug/l	97
56) Ethyl methacrylate	10.40	69	75738	18.032	ug/l	97
57) 1,3-Dichloropropane	10.68	76	92112	19.461	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	189289	82.586	ug/l	99
59) 2-Hexanone	10.72	43	262641	88.781	ug/l	97
60) Dibromochloromethane	10.87	129	59209	18.048	ug/l	97
61) 1,2-Dibromoethane	10.97	107	54818	19.390	ug/l	96
64) Tetrachloroethene	10.60	164	54211	18.434	ug/l	96
65) Chlorobenzene	11.41	112	138643	19.112	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	53215	18.150	ug/l	98
67) Ethyl Benzene	11.48	91	252163	18.697	ug/l	98
68) m/p-Xylenes	11.59	106	186004	37.216	ug/l	99
69) o-Xylene	11.92	106	87583	18.189	ug/l	99
70) Styrene	11.94	104	145123	18.382	ug/l	95
71) Bromoform	12.10	173	41038	17.833	ug/l #	94
73) Isopropylbenzene	12.22	105	232983	18.710	ug/l	98
74) N-amyl acetate	12.05	43	104674	19.098	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	69530	19.210	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	67390m	16.926	ug/l	
77) Bromobenzene	12.50	156	57446	18.840	ug/l	96
78) n-propylbenzene	12.57	91	252822	17.934	ug/l	99
79) 2-Chlorotoluene	12.65	91	166190	18.441	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	192492	18.269	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	23795	17.215	ug/l	93
82) 4-Chlorotoluene	12.75	91	173225	18.869	ug/l	99
83) tert-Butylbenzene	12.97	119	152286	17.613	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	192588	18.293	ug/l	100
85) sec-Butylbenzene	13.14	105	188054	16.808	ug/l	100
86) p-Isopropyltoluene	13.26	119	165881	16.457	ug/l	96
87) 1,3-Dichlorobenzene	13.26	146	96490	18.076	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	98787	18.170	ug/l	98
89) n-Butylbenzene	13.59	91	136306	15.350	ug/l	99
90) Hexachloroethane	13.85	117	32005	16.907	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	98141	18.493	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	15856	17.655	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	41757	15.156	ug/l	97
94) Hexachlorobutadiene	14.98	225	21966	13.488	ug/l	97
95) Naphthalene	15.10	128	128326	15.393	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	41244	15.598	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

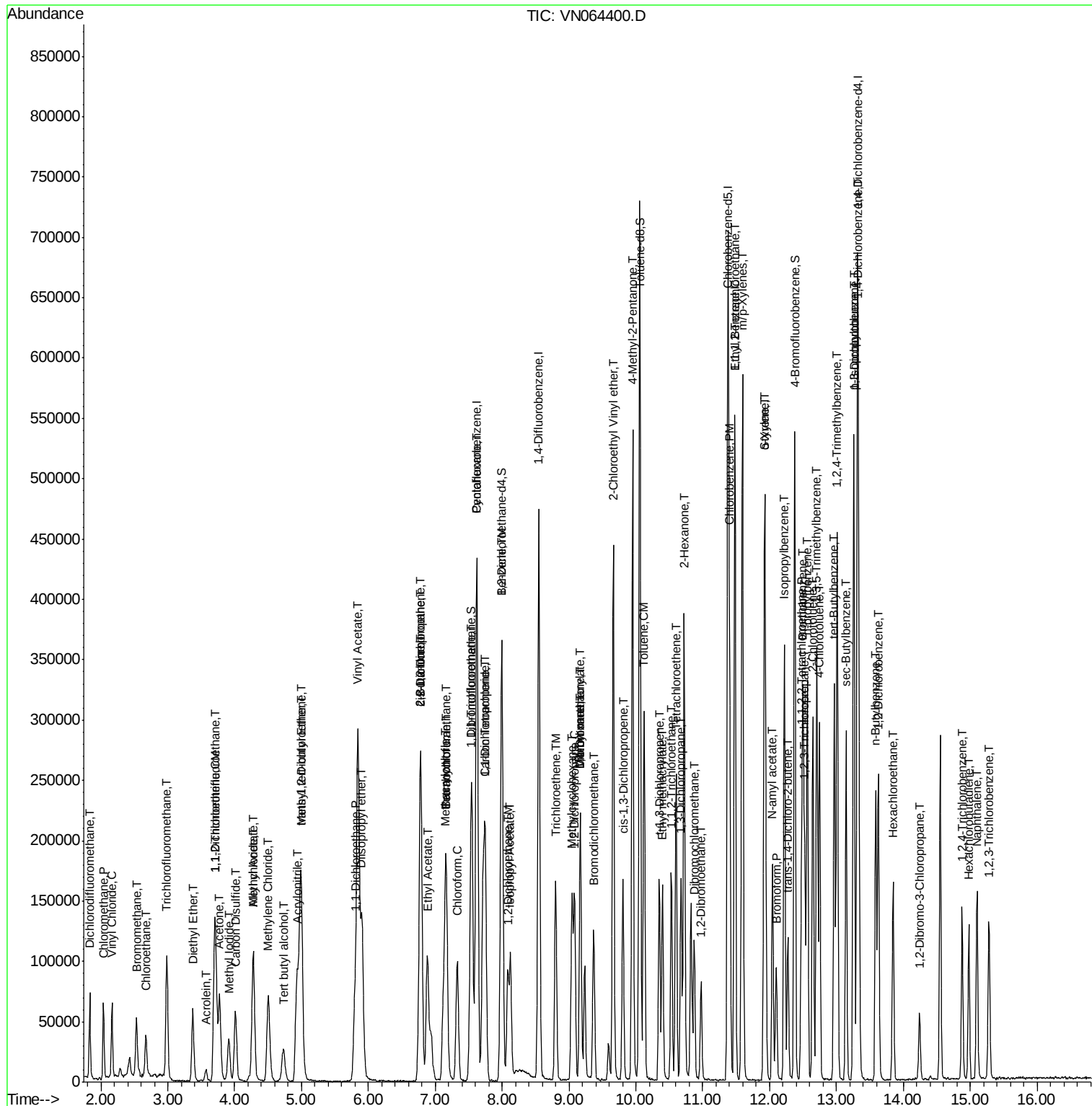
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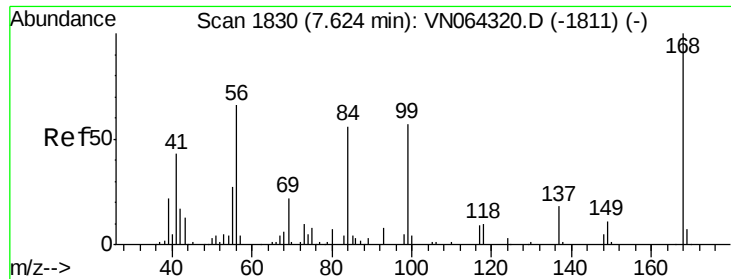
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion:168 Resp: 244339

Ion Ratio Lower Upper

168 100

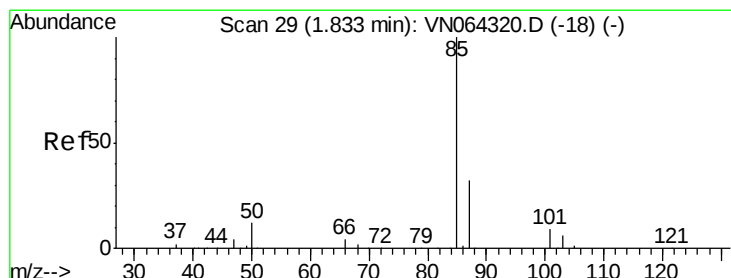
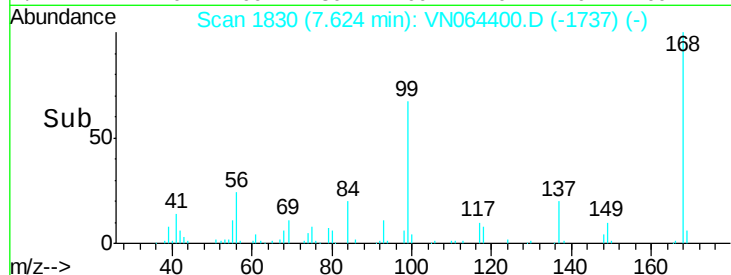
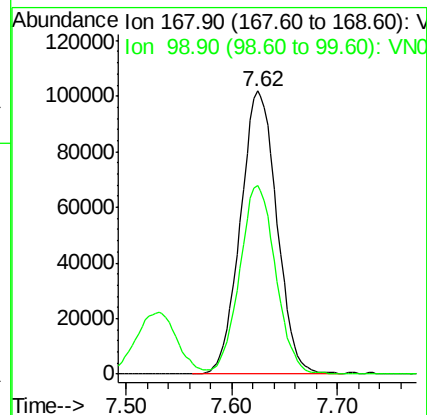
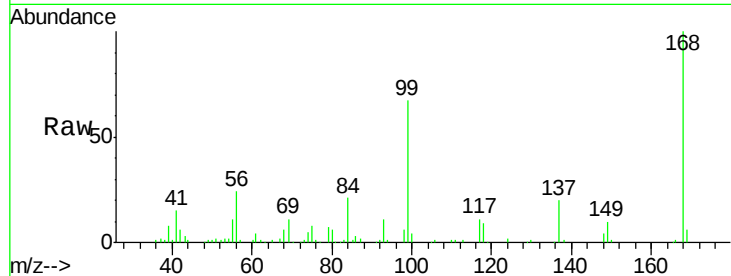
99 66.2 52.7 79.1

Manual Integrations

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11/2/2020 4:11:40 PM



#2

Dichlorodifluoromethane

Concen: 18.676 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064400.D

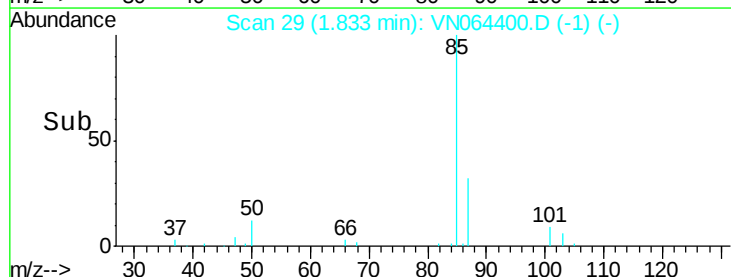
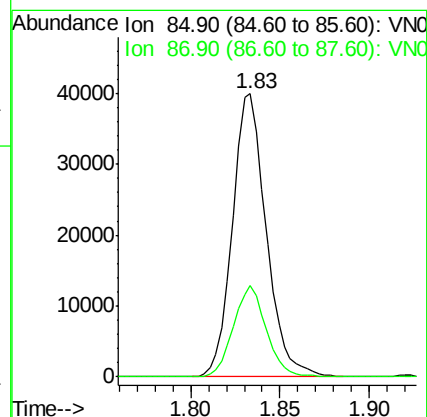
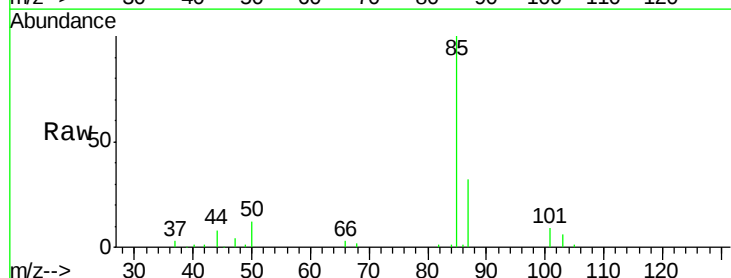
Acq: 30 Oct 2020 15:18

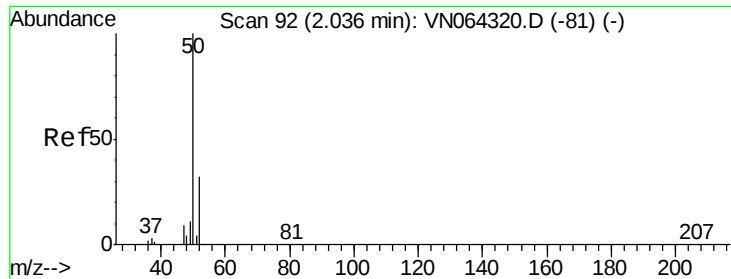
Tgt Ion: 85 Resp: 52454

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9





#3

Chloromethane

Concen: 17.491 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 50 Resp: 53104

Ion Ratio Lower Upper

50 100

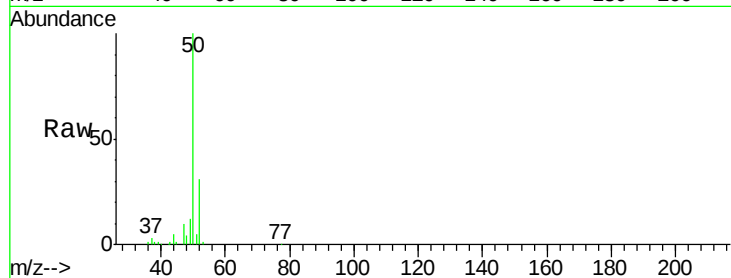
52 31.0 25.6 38.4

Manual Integrations

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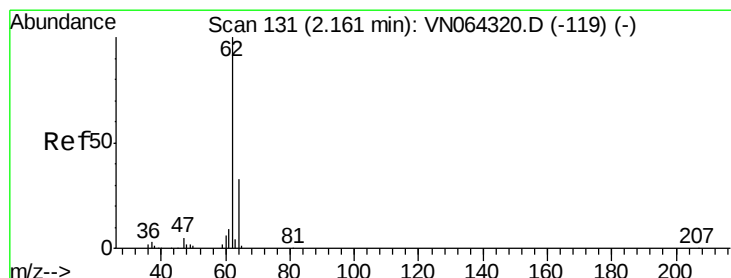
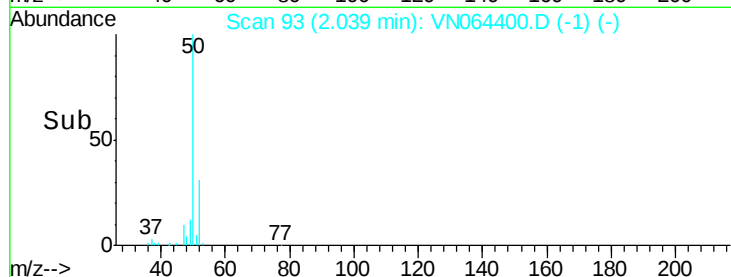
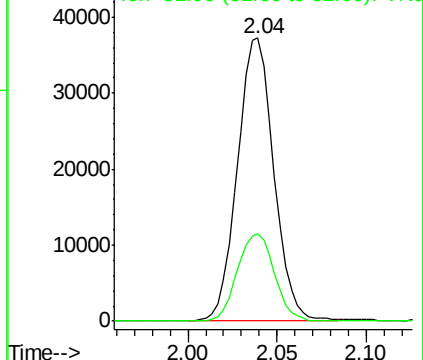
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.322 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064400.D

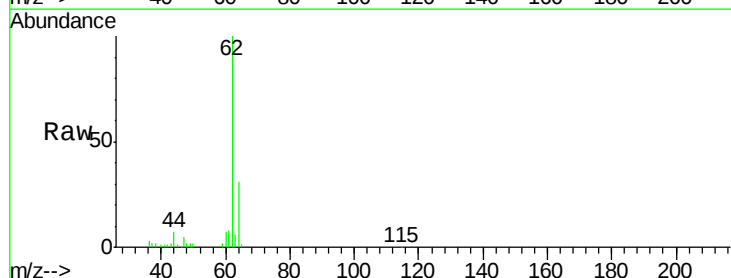
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Tgt Ion: 62 Resp: 53806

Ion Ratio Lower Upper

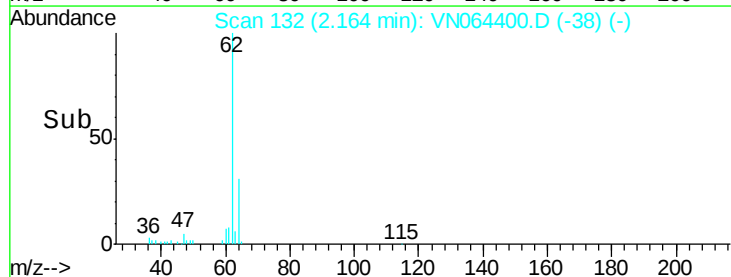
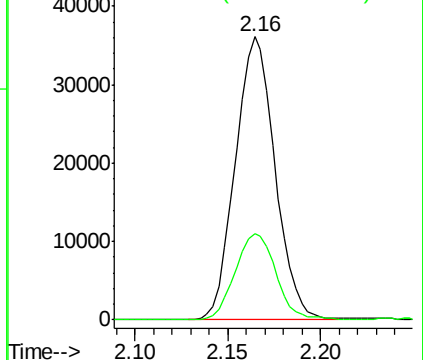
62 100

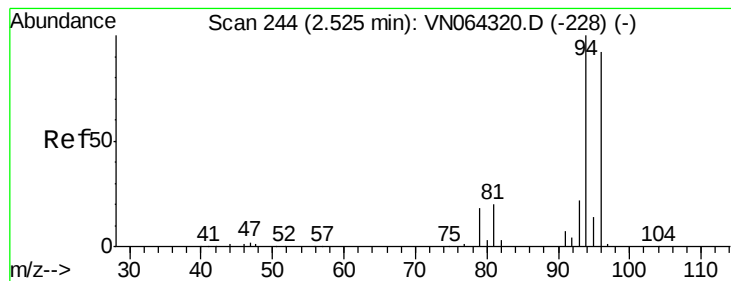
64 30.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.714 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

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ClientSampleId :

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Tot Ion: 94 Resp: 31717

Ion Ratio Lower Upper

94 100

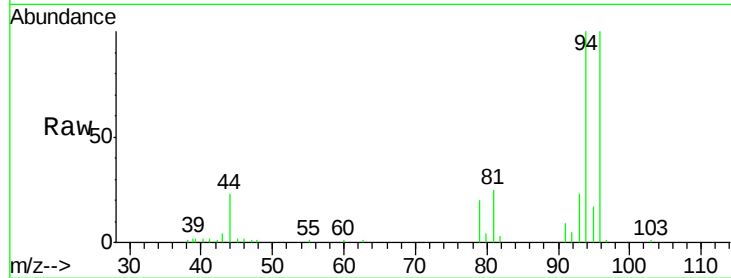
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Manual Integrations

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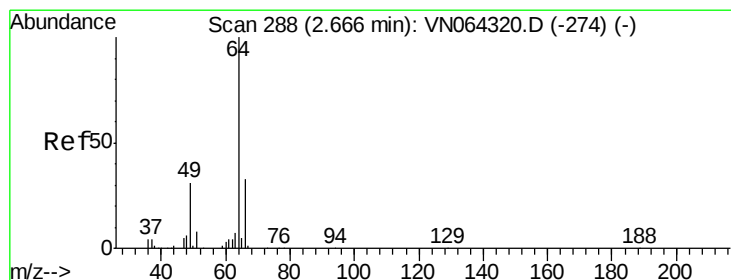
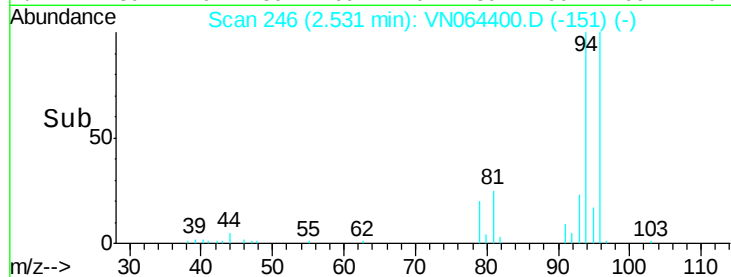
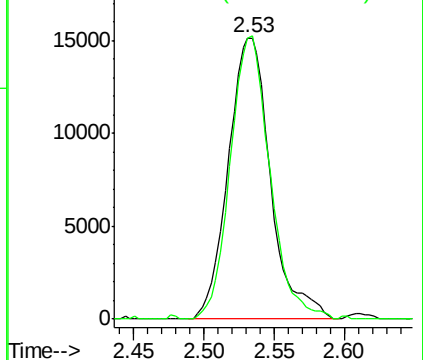
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.965 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN064400.D

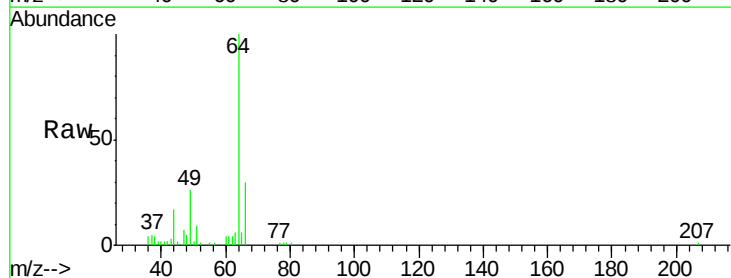
Acq: 30 Oct 2020 15:18

Tgt Ion: 64 Resp: 33280

Ion Ratio Lower Upper

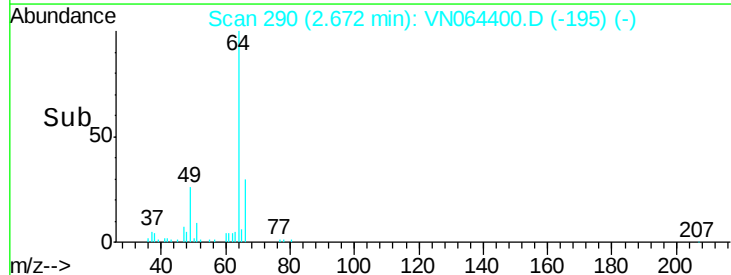
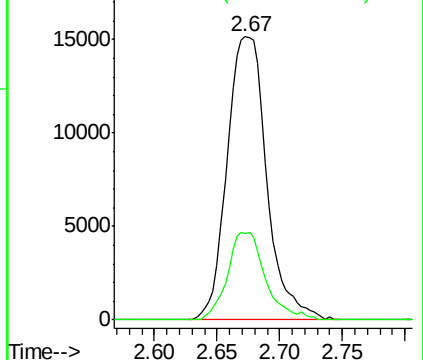
64 100

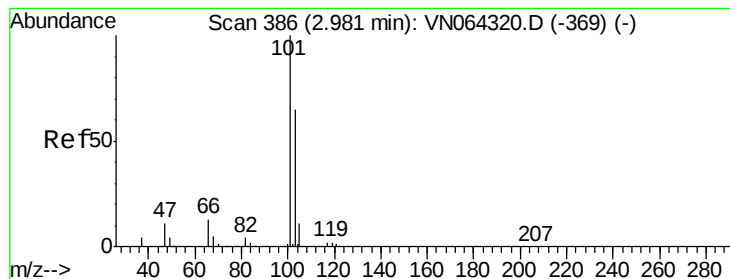
66 30.4 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

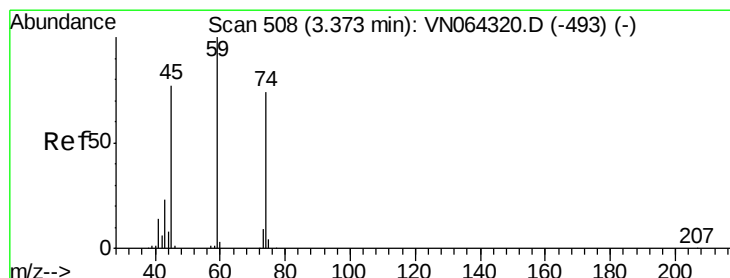
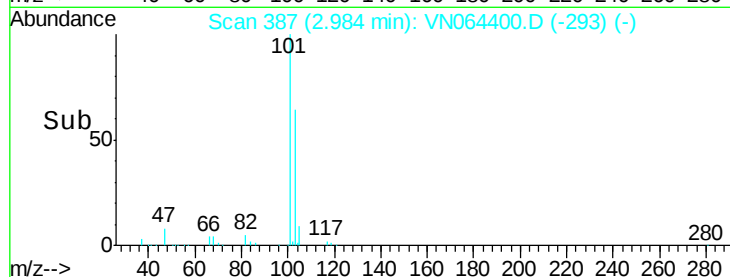
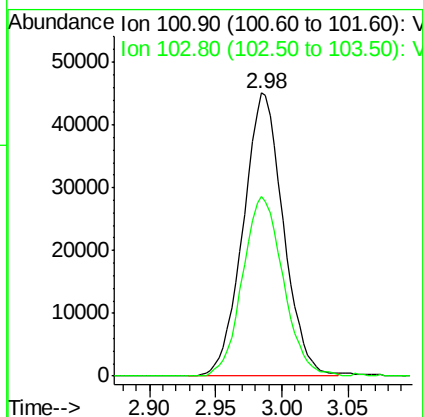
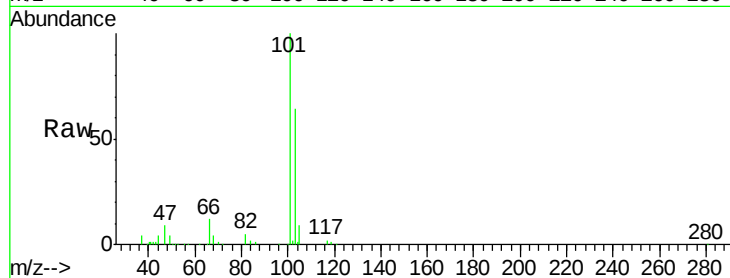
Trichlorofluoromethane
 Concen: 19.311 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064400.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		95009		
103	63.6	51.7	77.5		

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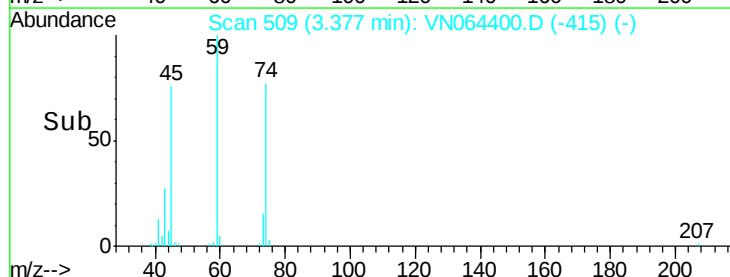
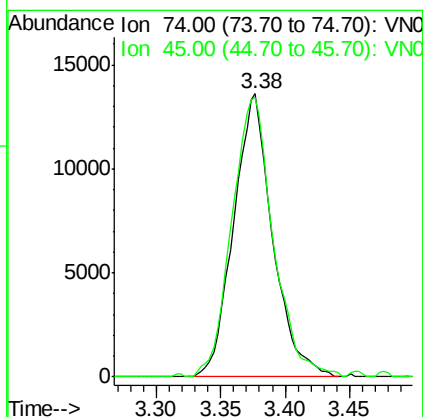
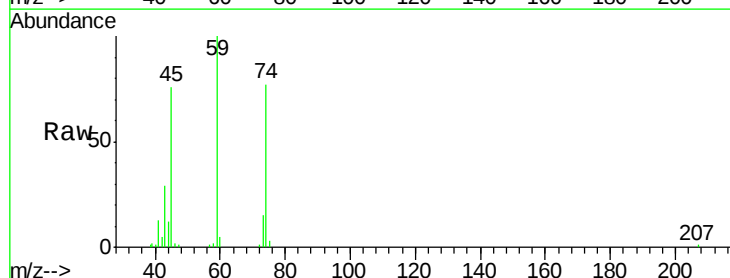
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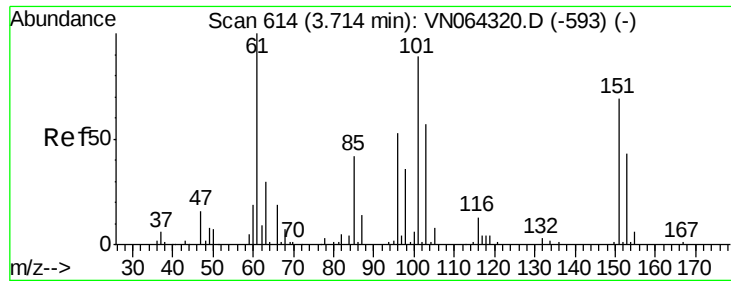


#8

Diethyl Ether
 Concen: 18.369 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		28589		
45	105.0	51.3	154.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.856 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

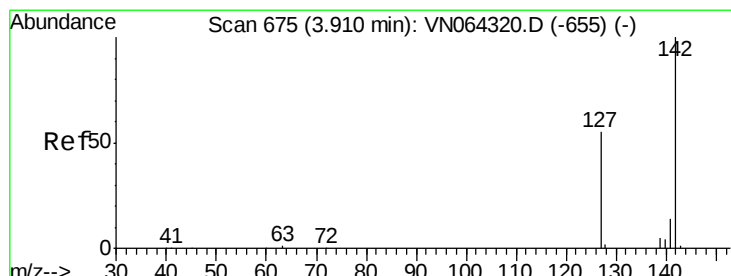
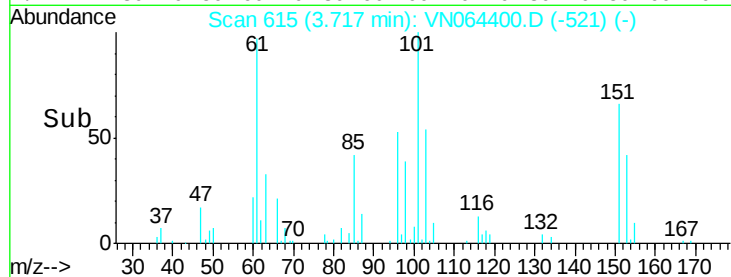
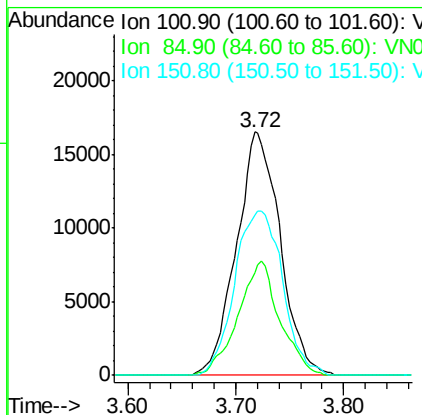
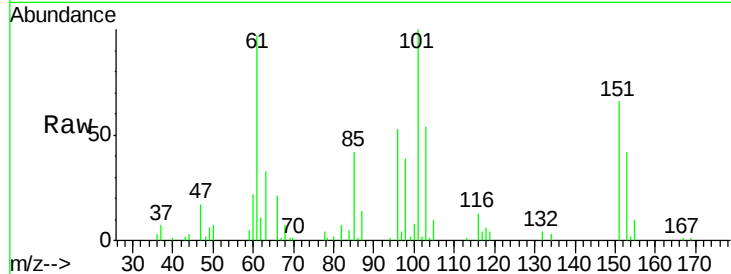
ClientSampleId :

VN1030MBS01

Tot Ion:	101	Resp:	46625
Ion Ratio	Lower	Upper	
101	100		
85	44.6	38.4	57.6
151	73.8	62.0	93.0

Manual Integrations
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11/2/2020 4:11:40 PM



#10

Methyl Iodide

Concen: 15.720 ug/l

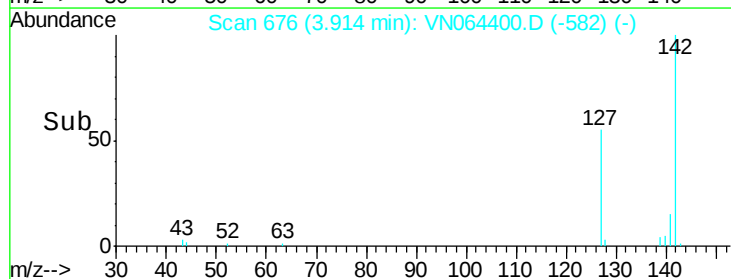
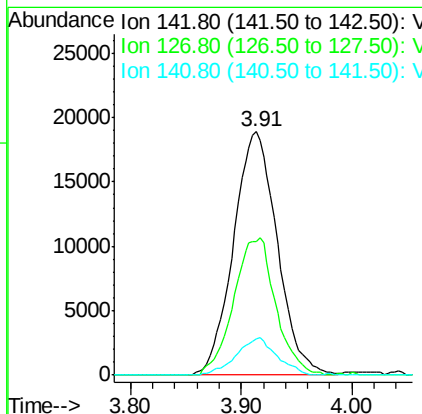
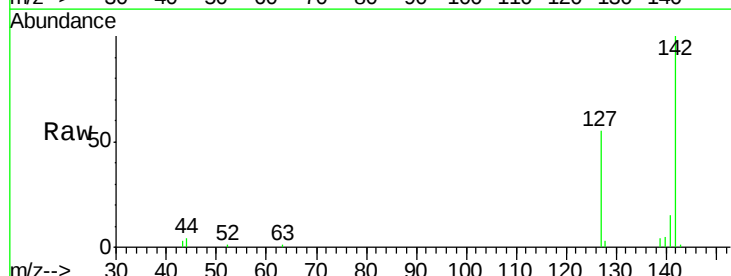
RT: 3.91 min Scan# 676

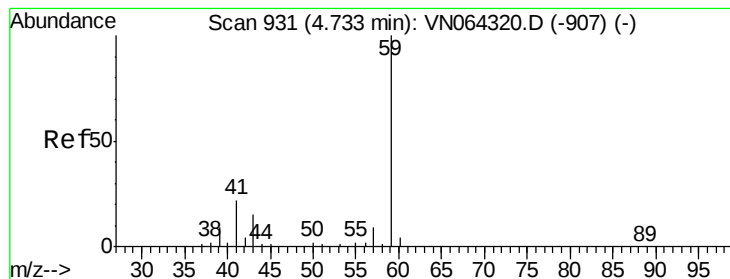
Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	142	Resp:	51872
Ion Ratio	Lower	Upper	
142	100		
127	54.0	43.3	64.9
141	14.3	11.5	17.3





#11

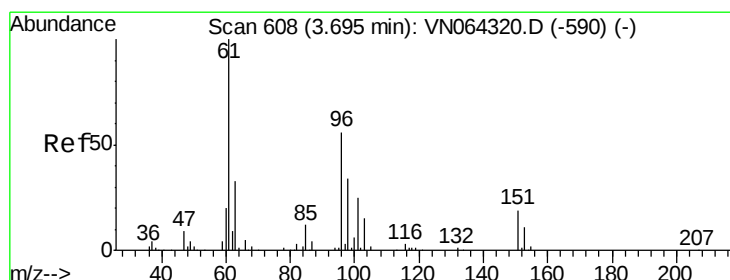
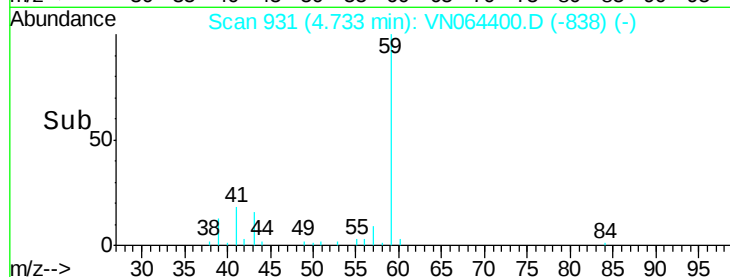
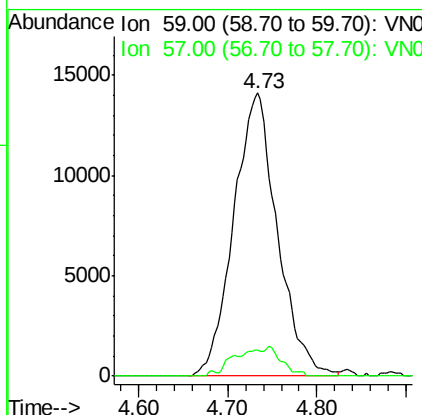
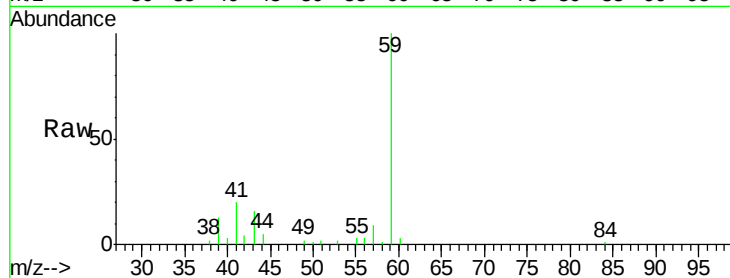
Tert butyl alcohol
 Concen: 84.034 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	9.4	14.0#

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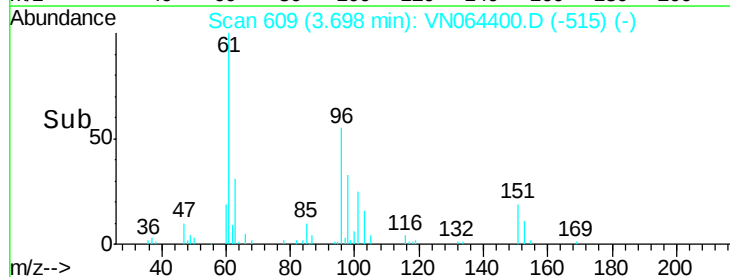
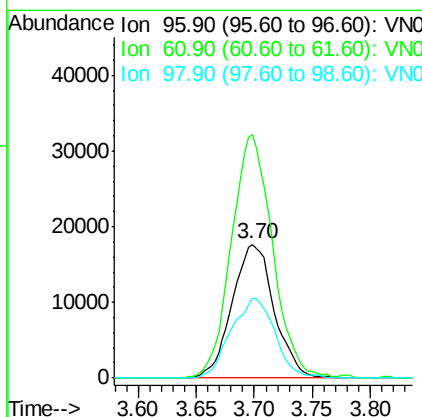
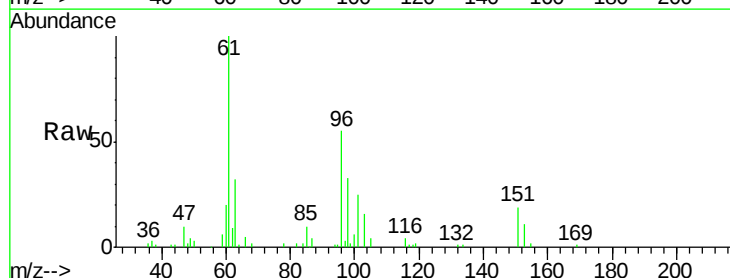
MMDadoda
 11/2/2020 4:11:40 PM

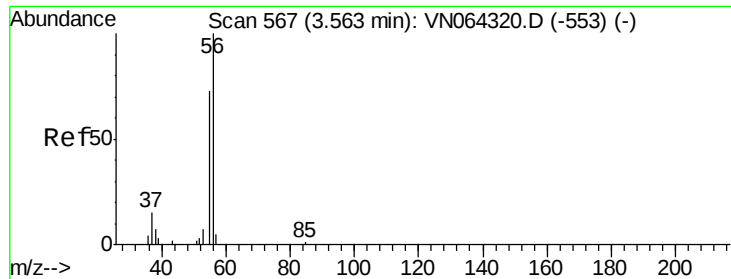


#12

1,1-Dichloroethene
 Concen: 19.106 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.4	143.6	215.4
98	60.1	48.6	73.0





#13

Acrolein

Concen: 86.579 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 56 Resp: 9171

Ion Ratio Lower Upper

56 100

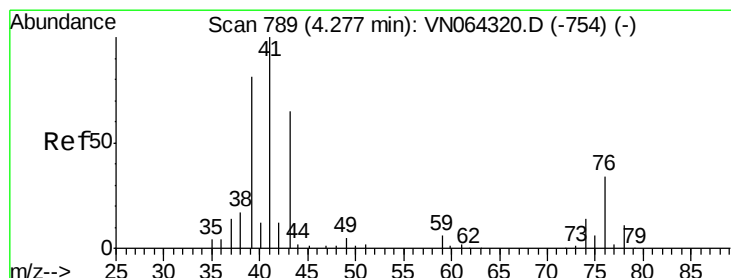
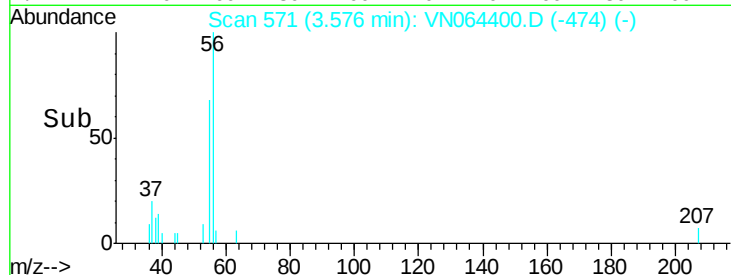
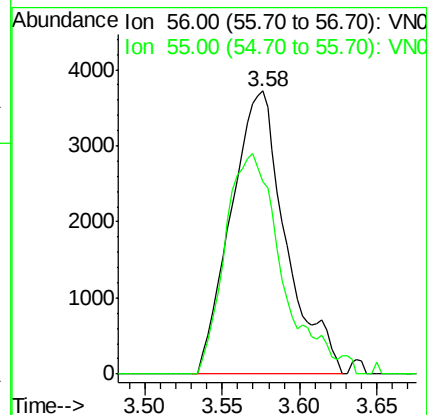
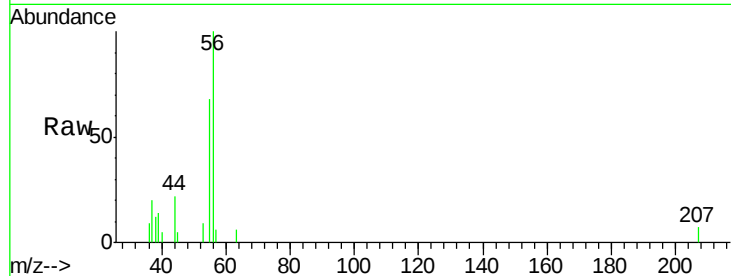
55 79.9 62.6 94.0

Manual Integrations

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MMDadoda

11/2/2020 4:11:40 PM



#14

Allyl chloride

Concen: 15.936 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

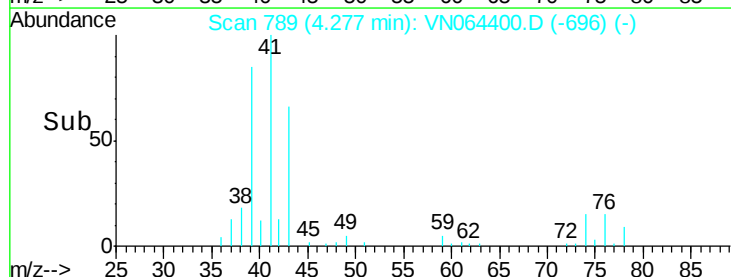
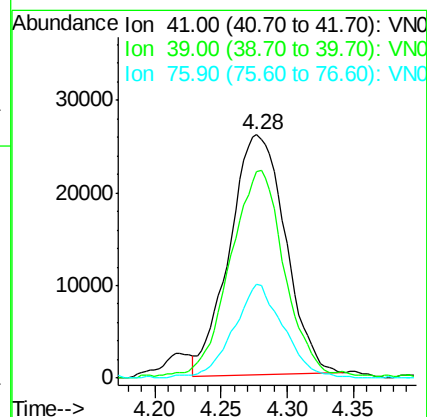
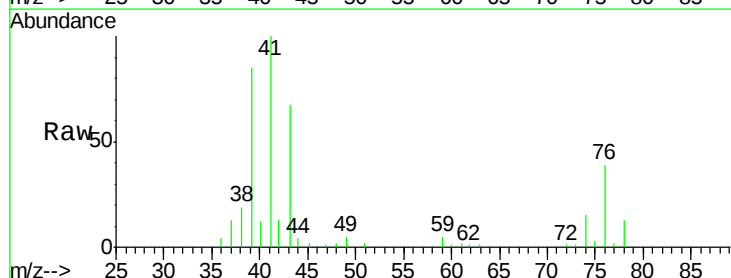
Tgt Ion: 41 Resp: 75957

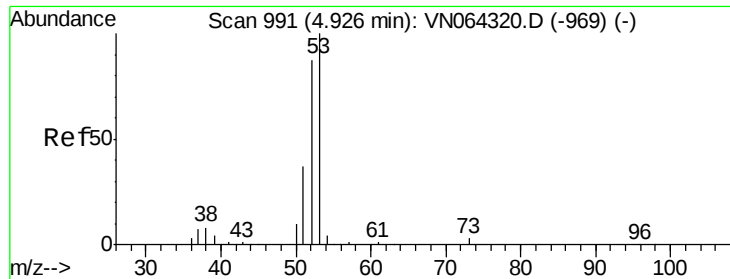
Ion Ratio Lower Upper

41 100

39 82.6 61.7 92.5

76 35.2 24.0 36.0





#15

Acrylonitrile

Concen: 93.691 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

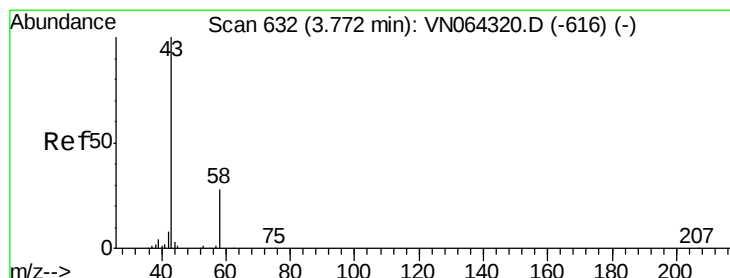
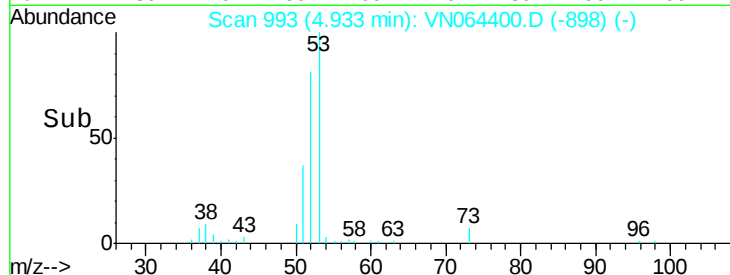
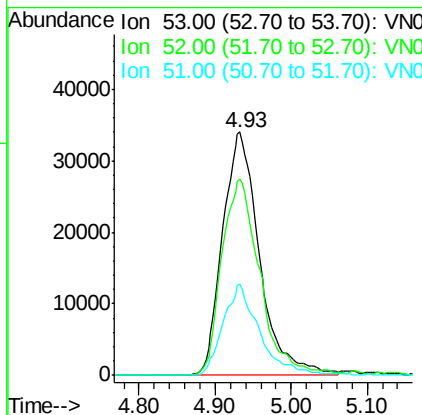
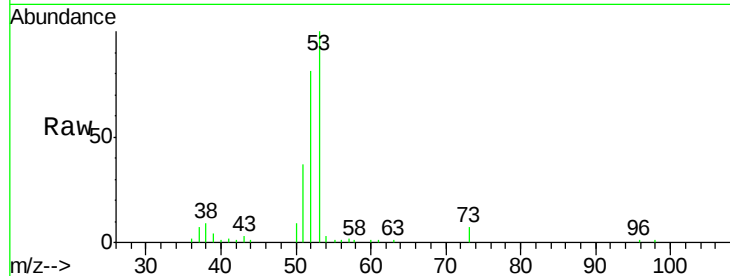
ClientSampleId :

VN1030MBS01

Tot Ion:	53	Resp:	114843
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.9	98.9
51	35.8	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 80.957 ug/l

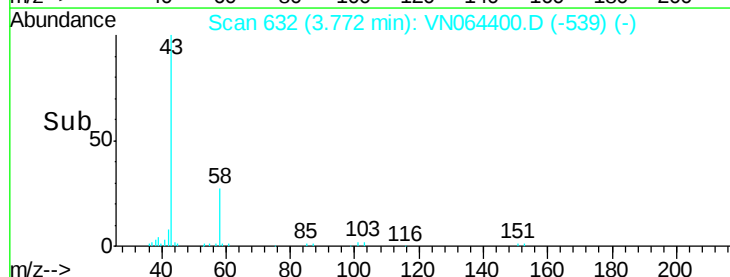
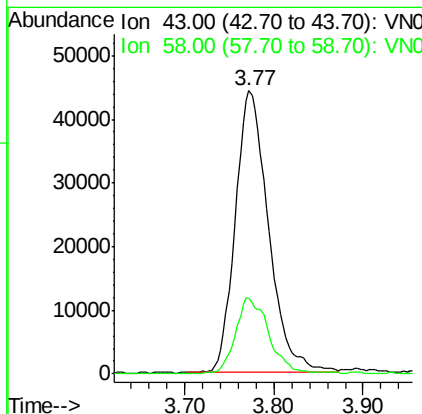
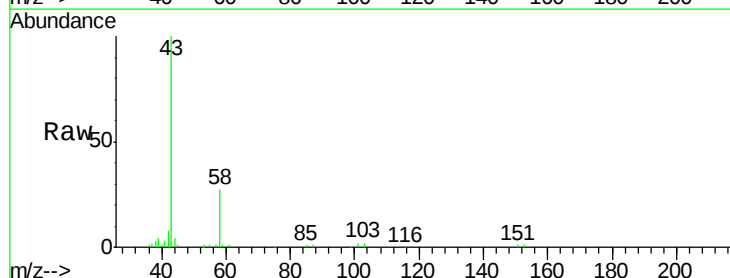
RT: 3.77 min Scan# 632

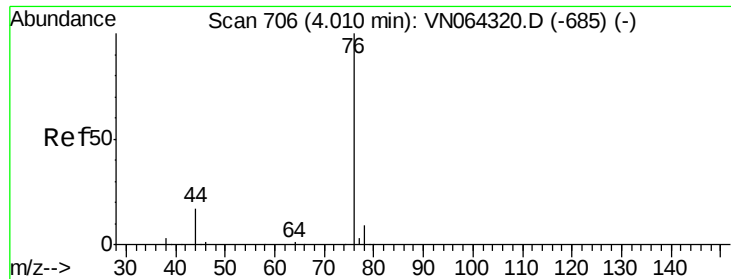
Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	43	Resp:	115022
Ion Ratio	Lower	Upper	
43	100		
58	27.0	22.1	33.1





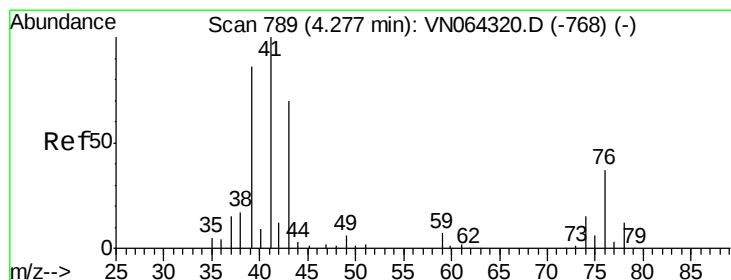
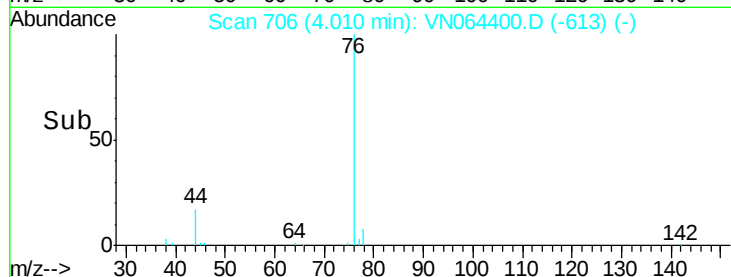
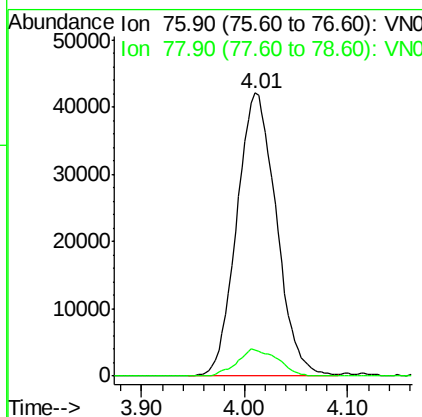
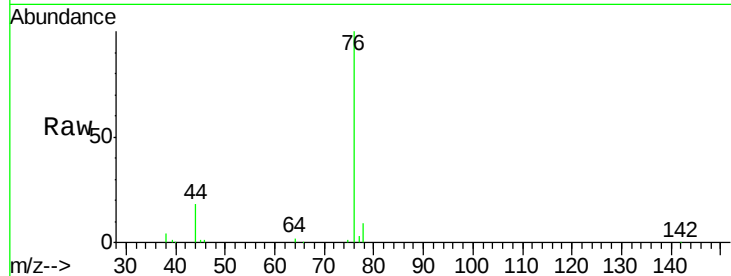
#17
Carbon Disulfide
Concen: 16.281 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

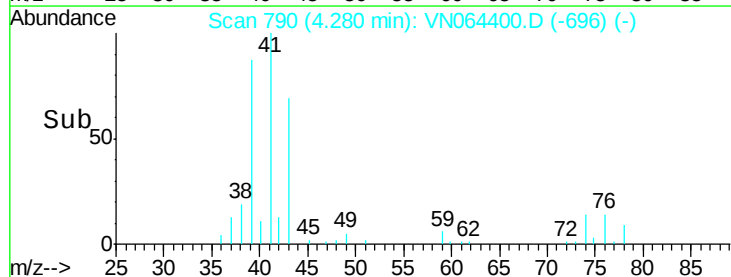
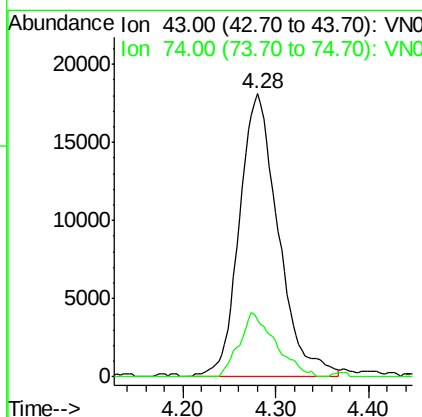
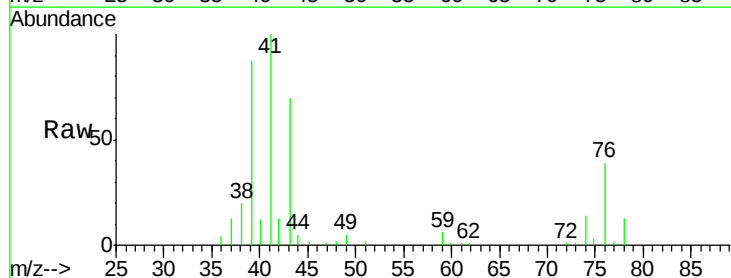
Manual Integrations
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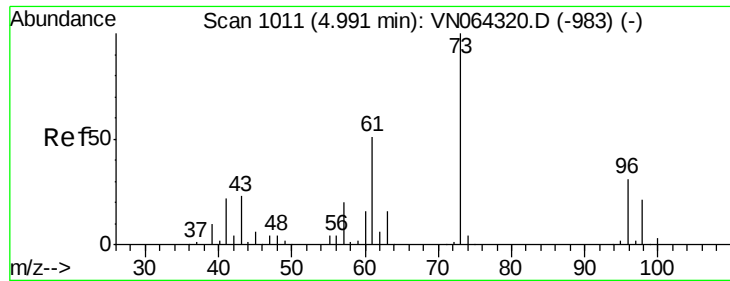
MMDadoda
11/2/2020 4:11:40 PM



#18
Methyl Acetate
Concen: 17.928 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.7	25.1





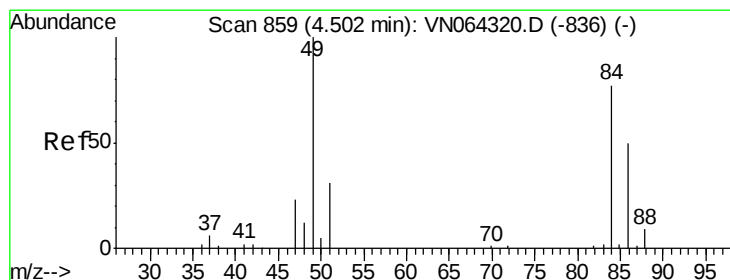
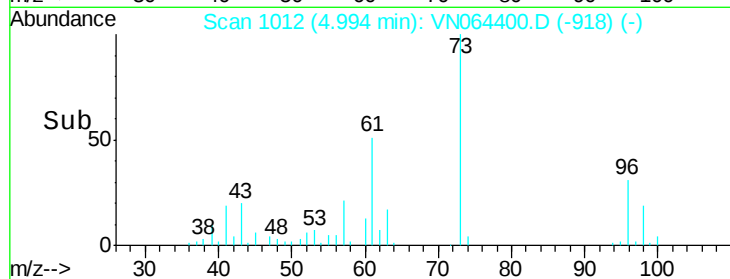
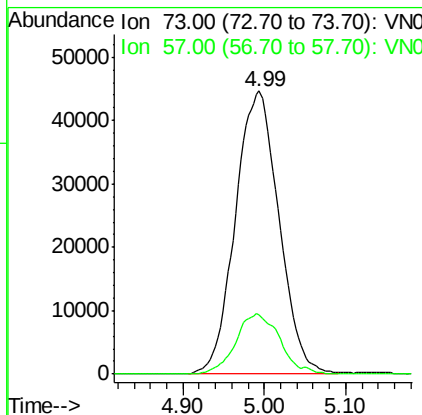
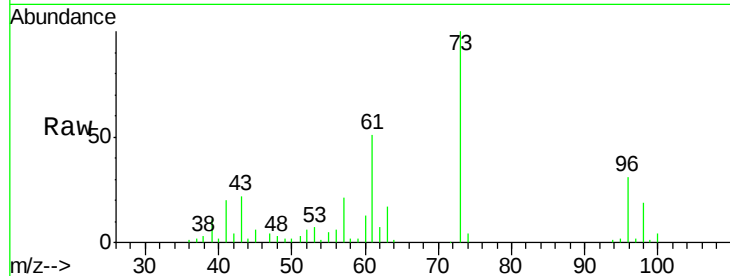
#19
Methvl tert-butvl Ether
Concen: 18.475 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion: 73 Resp: 165704
Ion Ratio Lower Upper
73 100
57 21.1 16.1 24.1

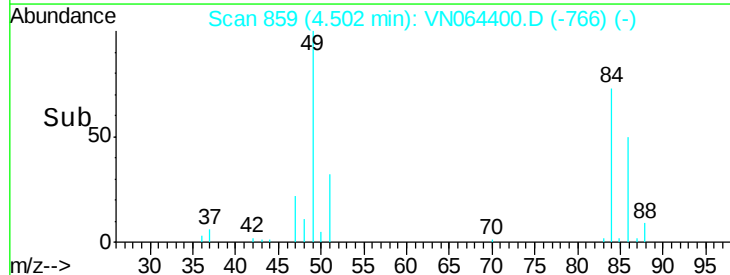
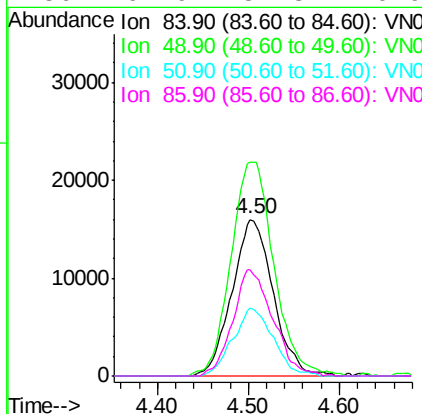
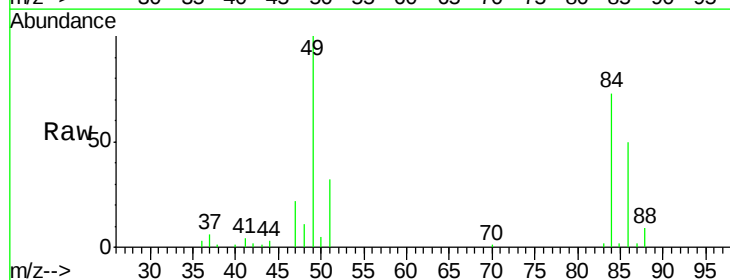
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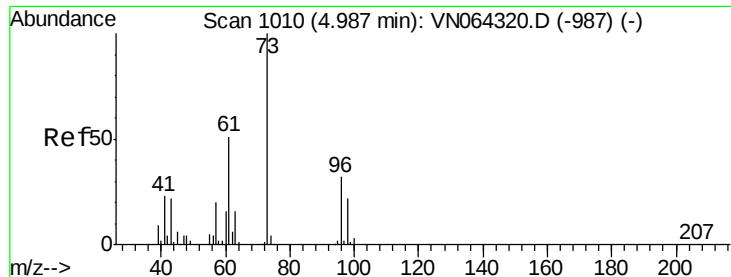
MMDadoda
11/2/2020 4:11:40 PM



#20
Methylene Chloride
Concen: 18.075 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion: 84 Resp: 50332
Ion Ratio Lower Upper
84 100
49 136.5 103.6 155.4
51 43.0 31.8 47.8
86 67.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.333 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

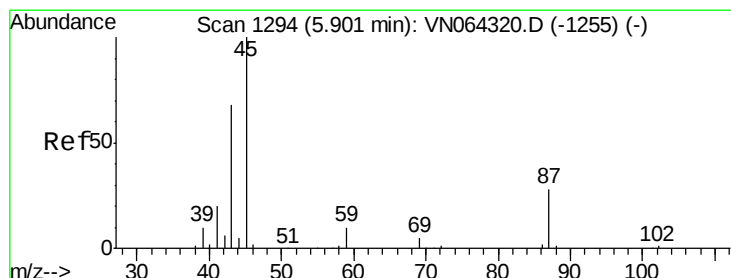
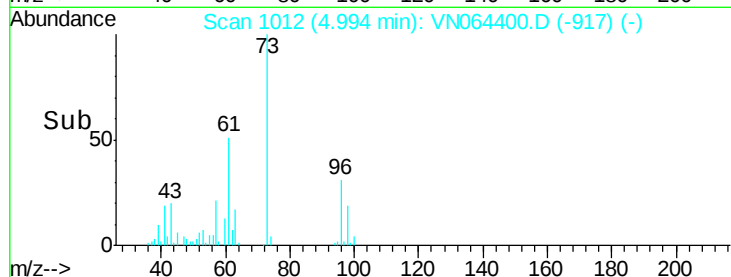
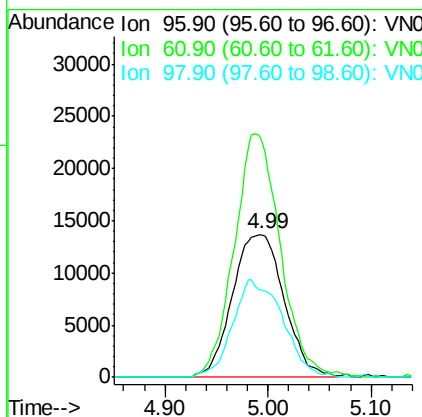
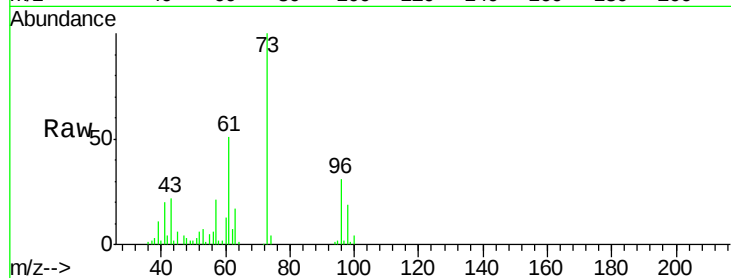
ClientSampleId :

VN1030MBS01

Tot Ion:	96	Resp:	47740
Ion	Ratio	Lower	Upper
96	100		
61	166.1	128.2	192.2
98	60.9	56.1	84.1

Manual Integrations
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11/2/2020 4:11:40 PM



#22

Diisopropyl ether

Concen: 18.650 ug/l

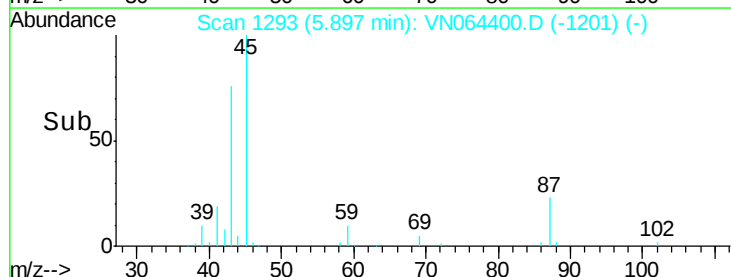
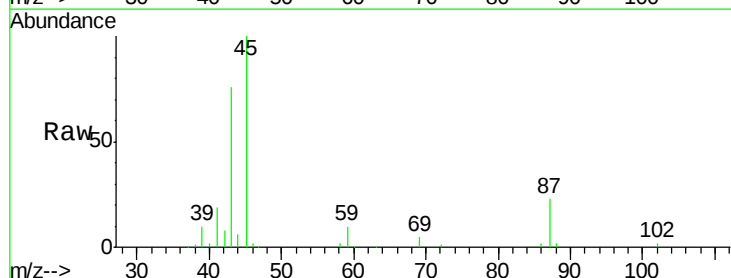
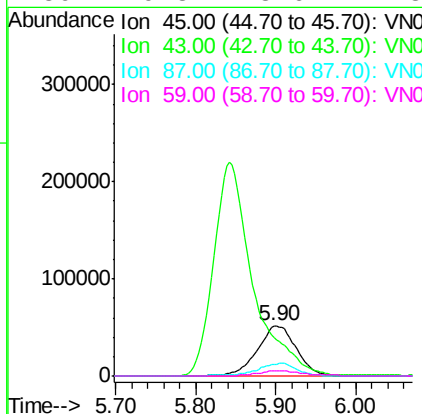
RT: 5.90 min Scan# 1293

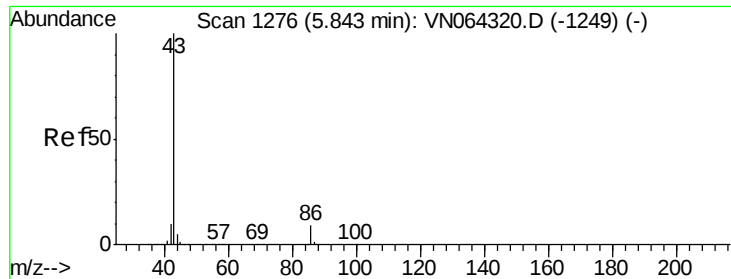
Delta R.T. -0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	45	Resp:	173757
Ion	Ratio	Lower	Upper
45	100		
43	72.4	54.6	82.0
87	23.1	22.6	33.8
59	9.8	8.6	12.8





#23

Vinyl Acetate

Concen: 94.618 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleID :

VN1030MBS01

Tot Ion: 43 Resp: 745793

Ion Ratio Lower Upper

43 100

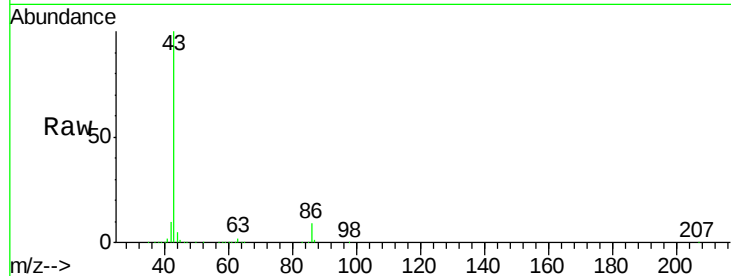
86 9.3 7.3 10.9

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

250000

200000

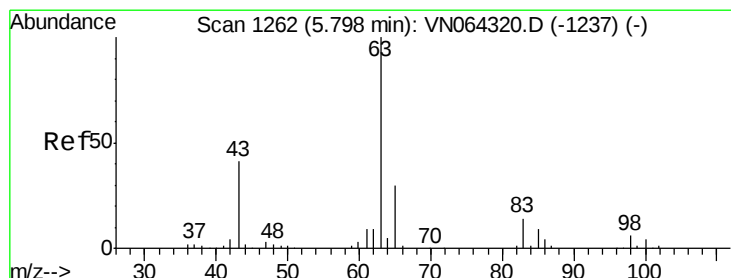
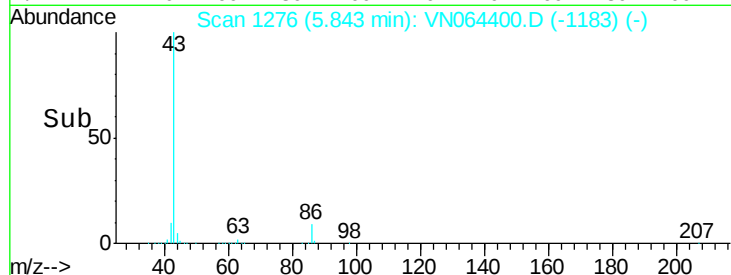
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.454 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

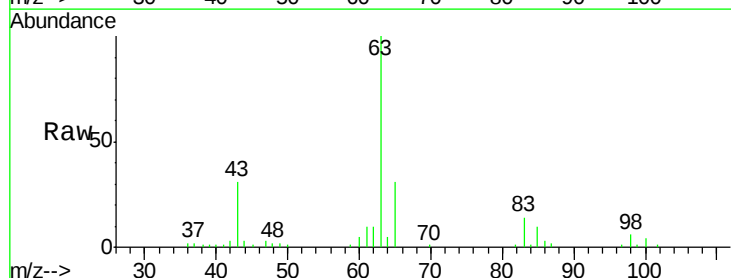
Tgt Ion: 63 Resp: 96209

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

40000

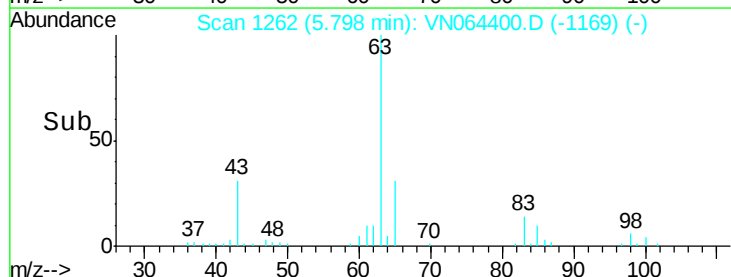
30000

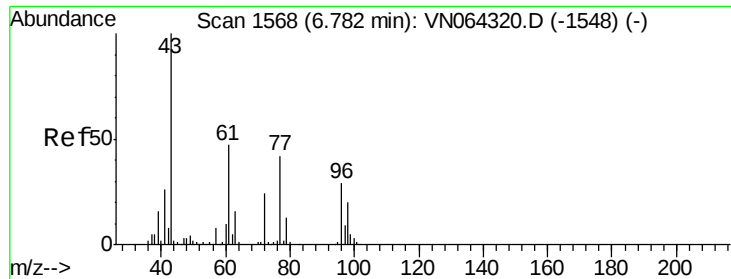
20000

10000

0

Time-->





#25

2-Butanone

Concen: 86.035 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 43 Resp: 169619

Ion Ratio Lower Upper

43 100

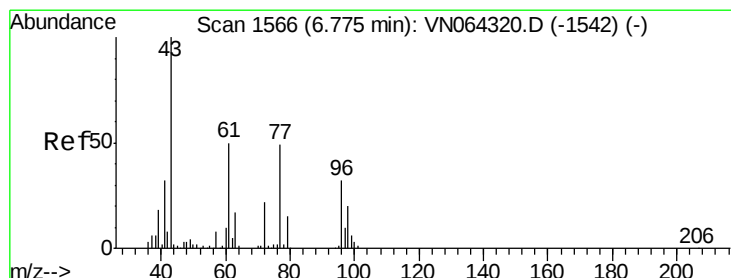
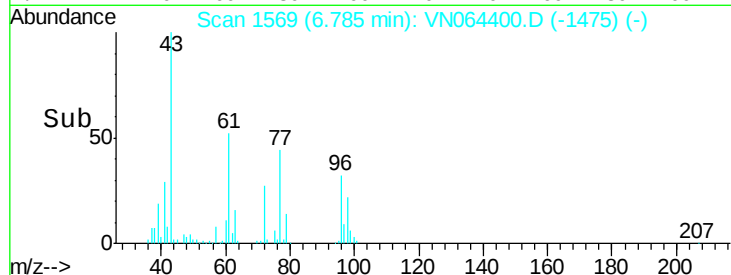
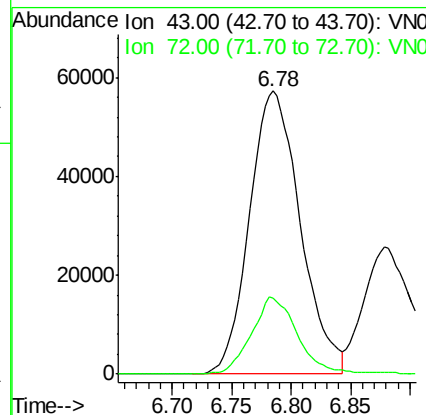
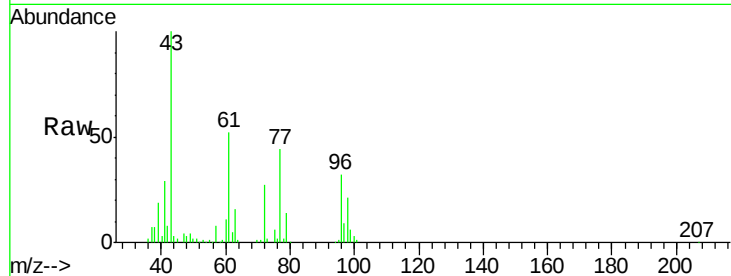
72 26.9 18.8 28.2

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#26

2,2-Dichloropropane

Concen: 17.860 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064400.D

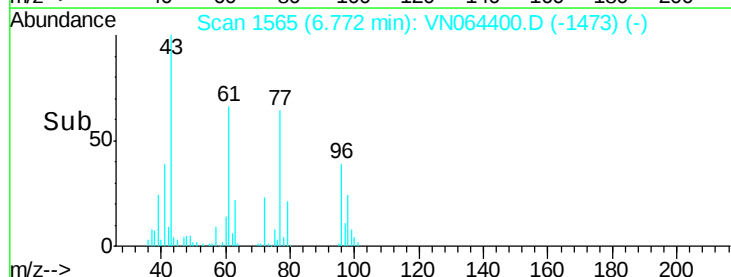
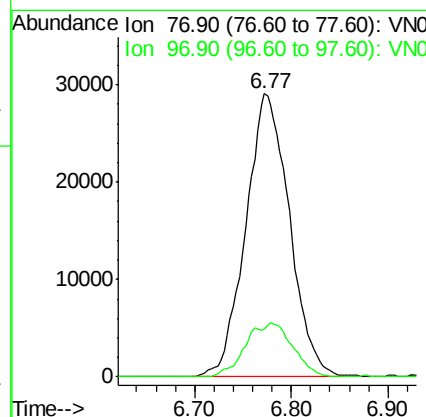
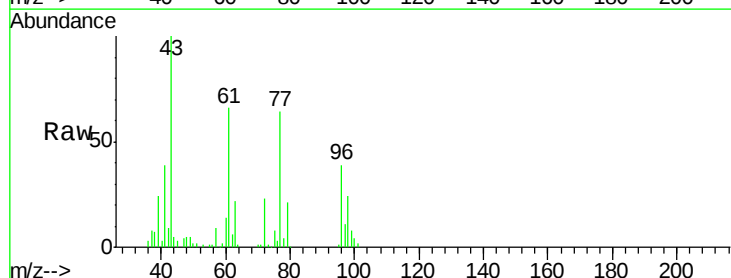
Acq: 30 Oct 2020 15:18

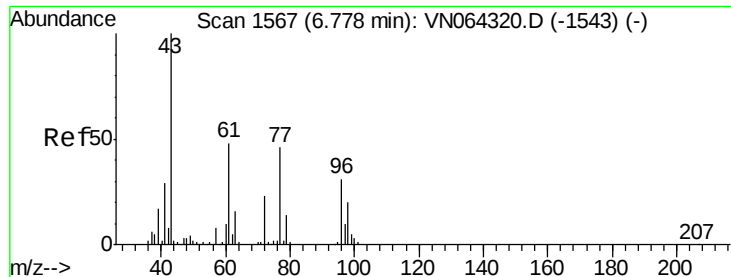
Tgt Ion: 77 Resp: 91128

Ion Ratio Lower Upper

77 100

97 8.0 10.2 30.6#





#27

cis-1,2-Dichloroethene

Concen: 18.523 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

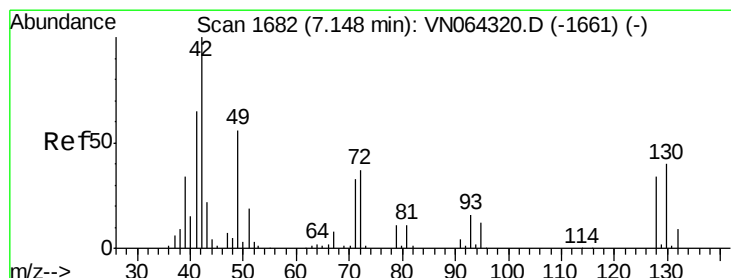
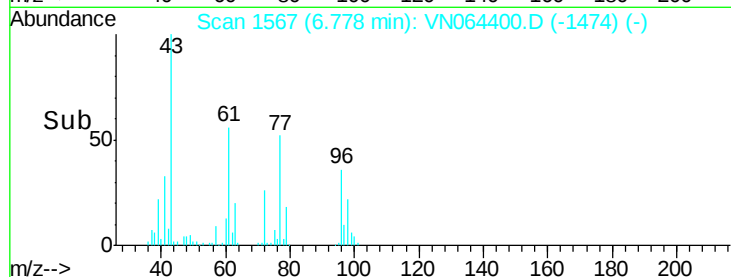
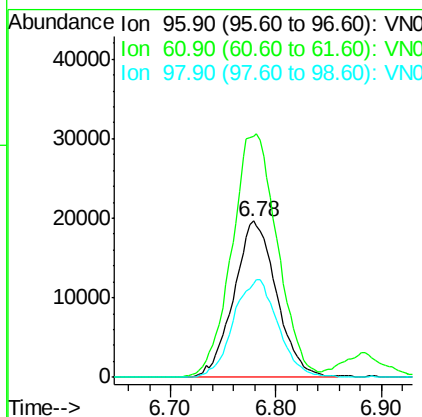
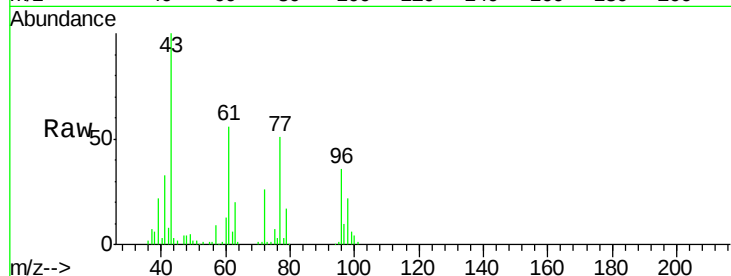
ClientSampleId :

VN1030MBS01

Tot Ion:	96	Resp:	55204
Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	325.0
98	65.2	0.0	128.4

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#28

Bromochloromethane

Concen: 18.500 ug/l

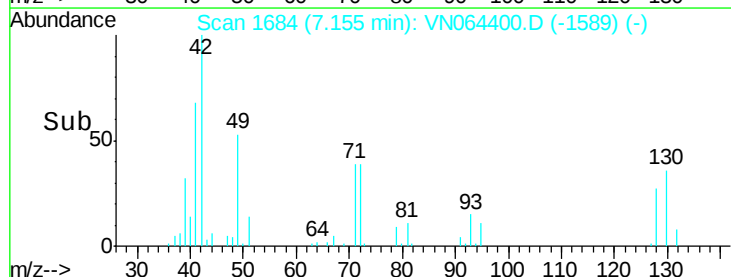
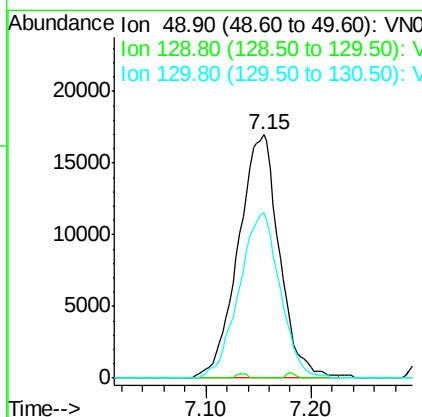
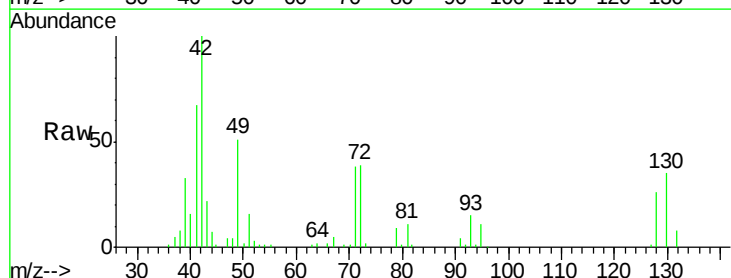
RT: 7.15 min Scan# 1684

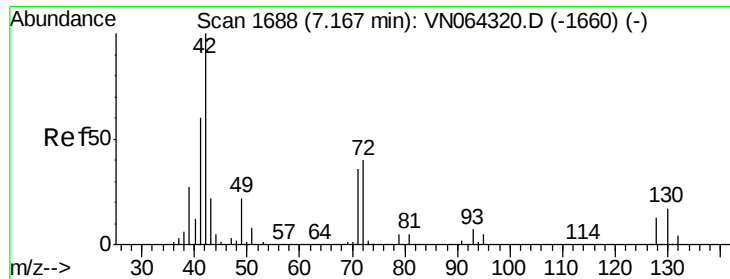
Delta R.T. 0.01 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	49	Resp:	45952
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.8
130	67.8	56.2	84.2





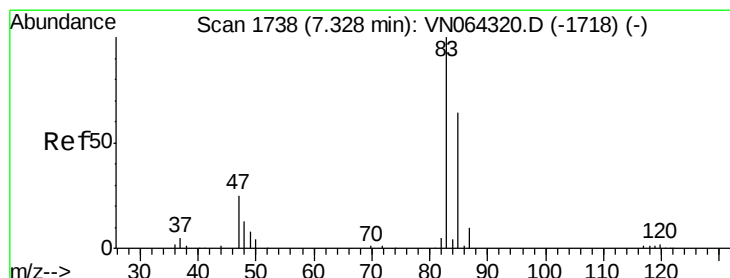
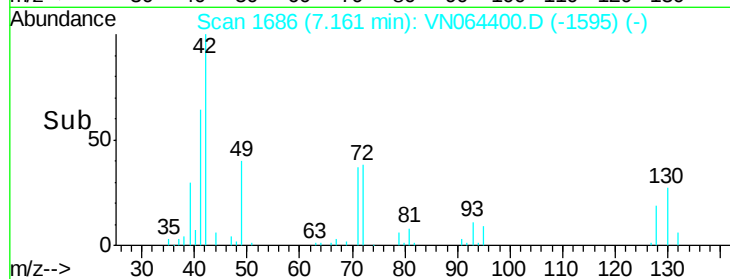
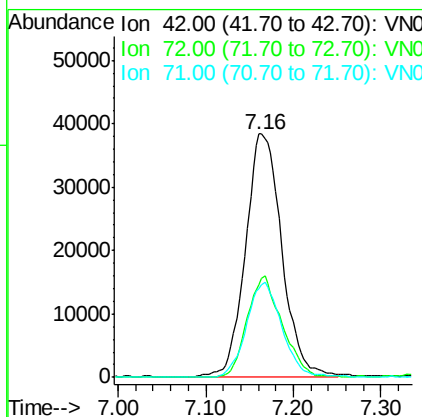
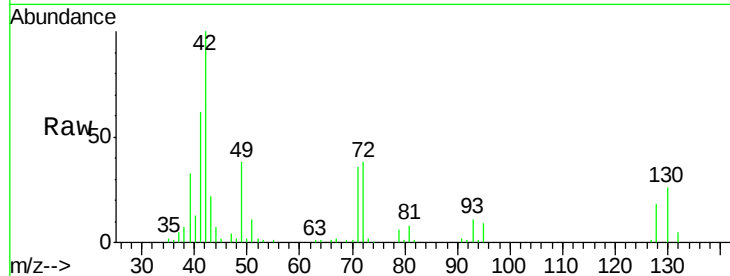
#29
Tetrahydrofuran
Concen: 86.641 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.6	47.4
71	37.8	29.4	44.0

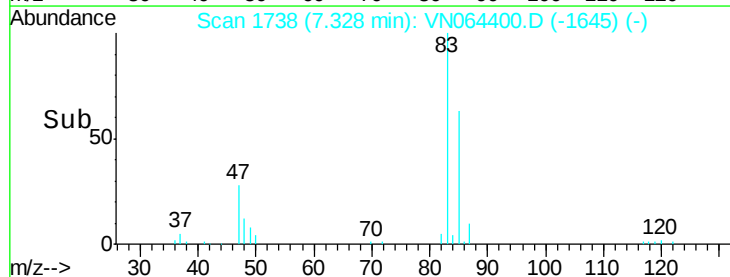
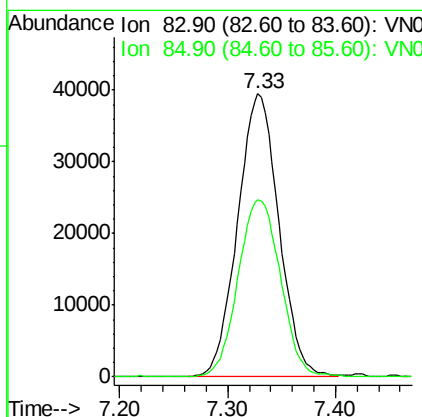
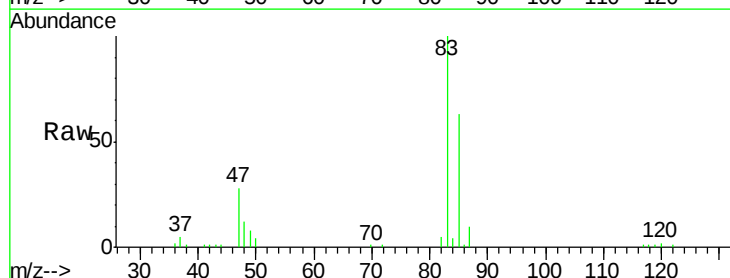
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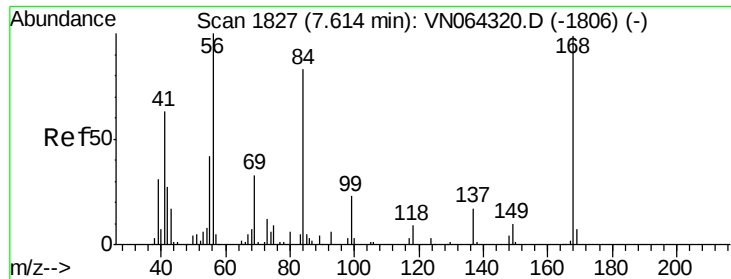
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11/2/2020 4:11:40 PM



#30
Chloroform
Concen: 18.860 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.1	76.7





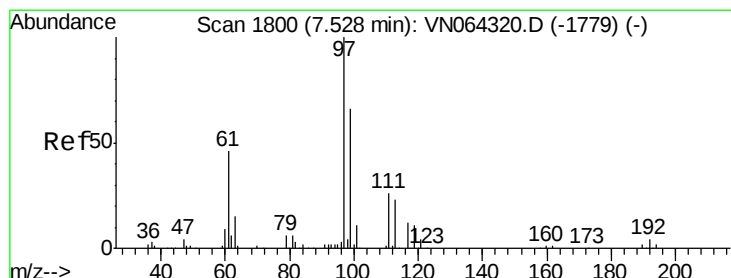
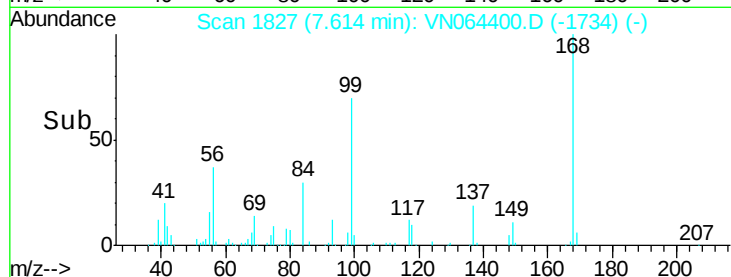
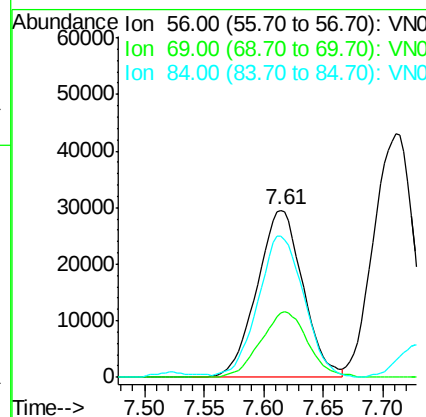
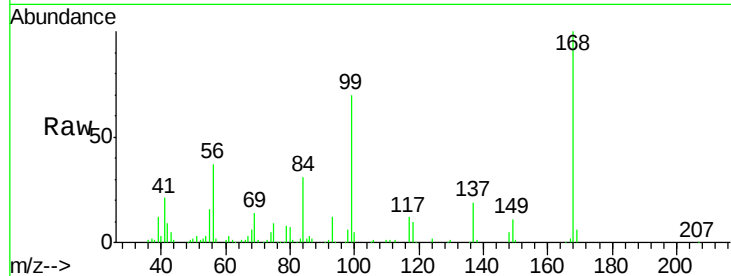
#31
Cvclohexane
Concen: 17.343 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	79032		
69	38.6		25.8	38.8
84	83.0		66.3	99.5

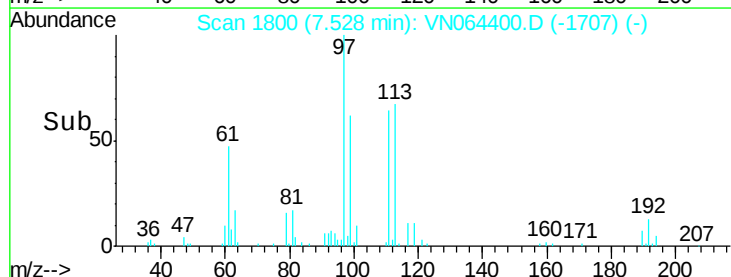
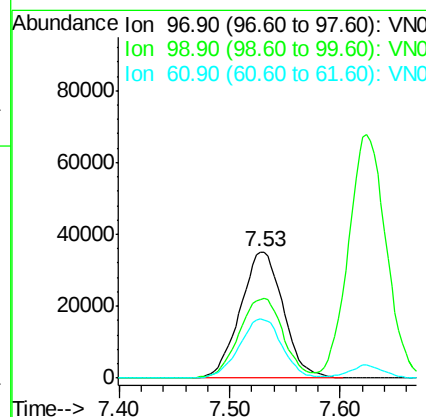
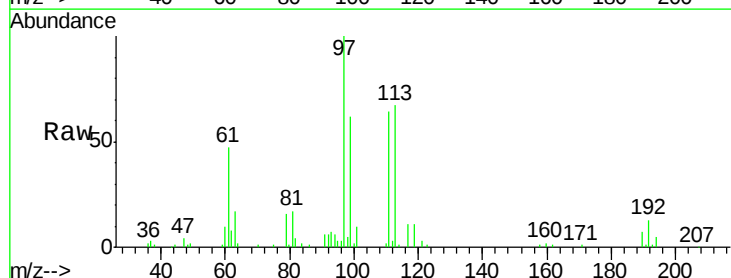
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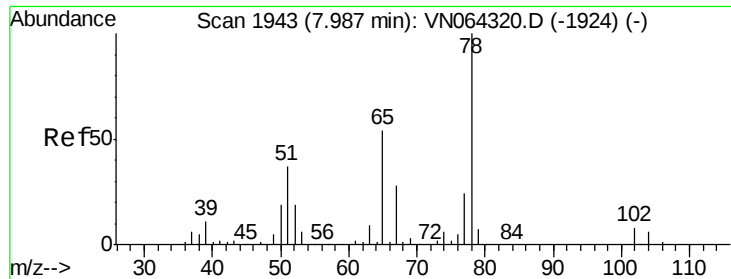
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.725 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	94716		
99	65.0		50.6	76.0
61	47.0		35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 50.100 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 65 Resp: 196717

Ion Ratio Lower Upper

65 100

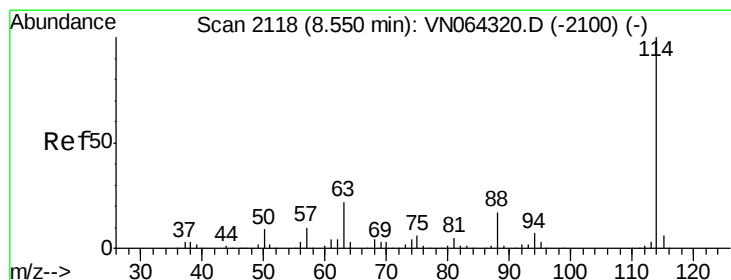
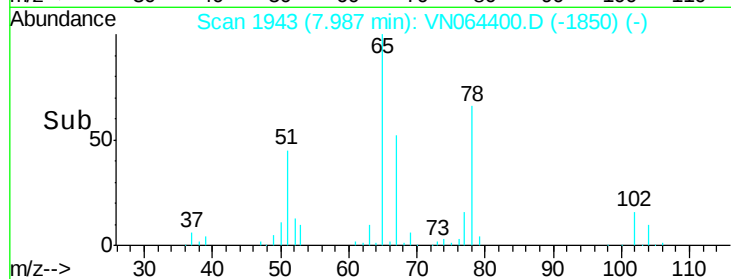
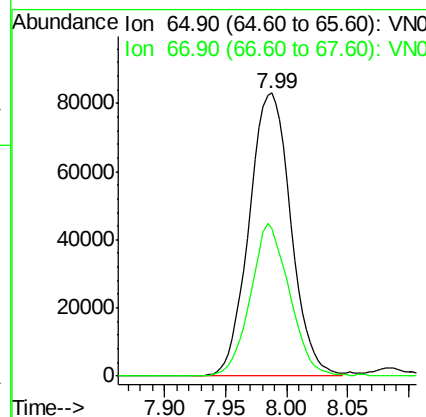
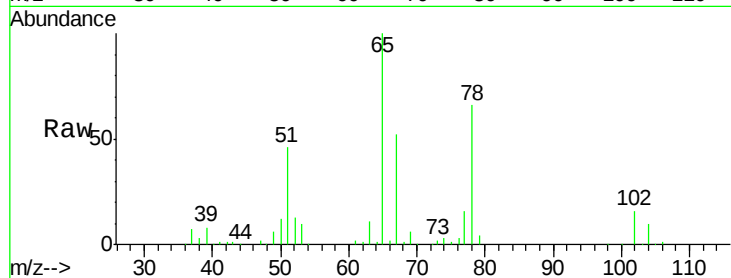
67 50.1 0.0 99.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

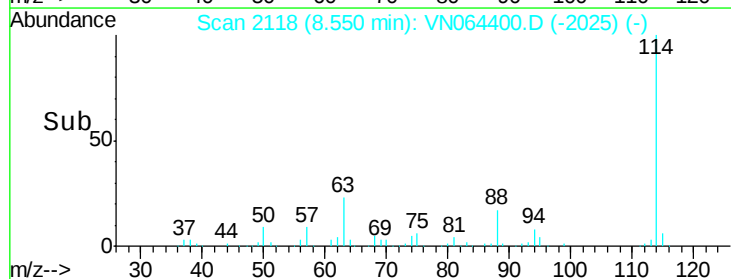
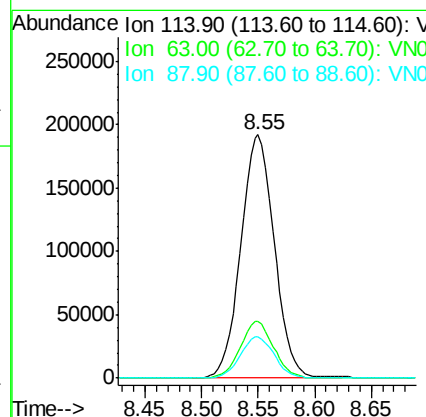
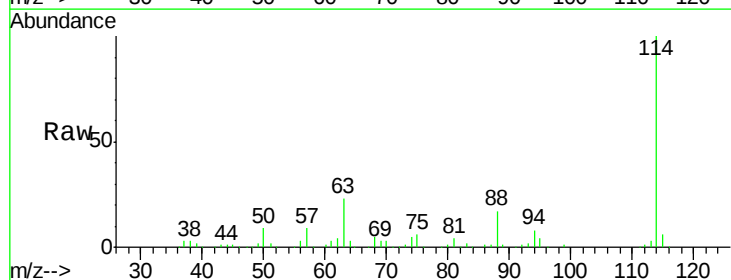
Tgt Ion: 114 Resp: 396532

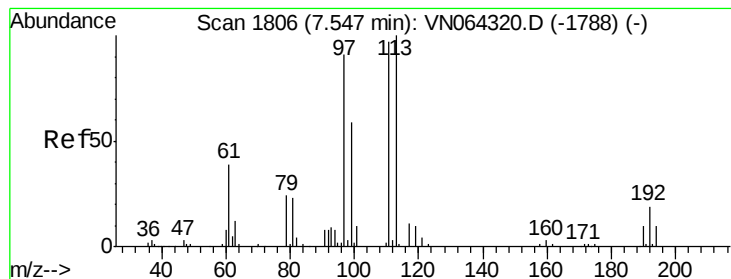
Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.327 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

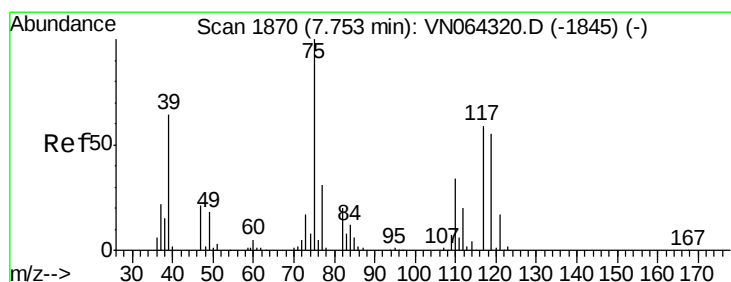
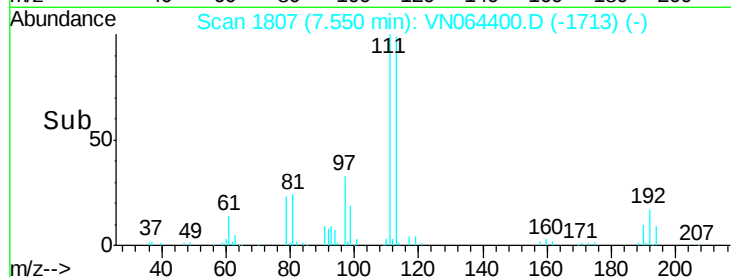
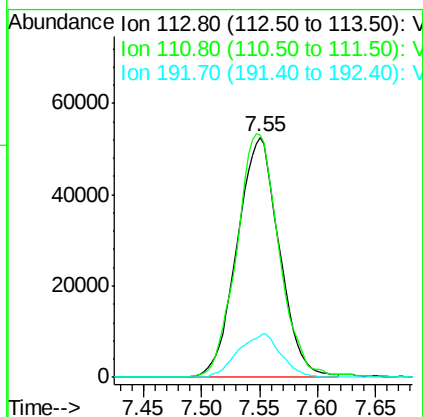
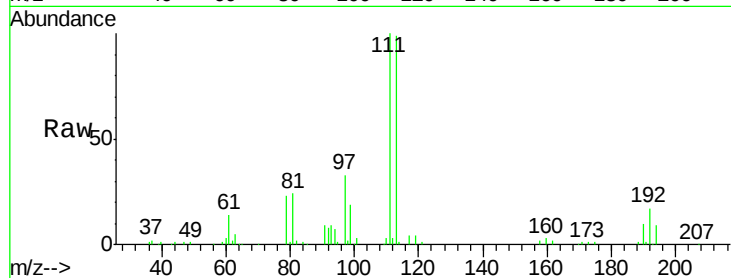
ClientSampleId :

VN1030MBS01

Tot Ion:	113	Resp:	133084
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.5	122.3
192	18.4	15.0	22.4

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#36

1,1-Dichloropropene

Concen: 18.358 ug/l

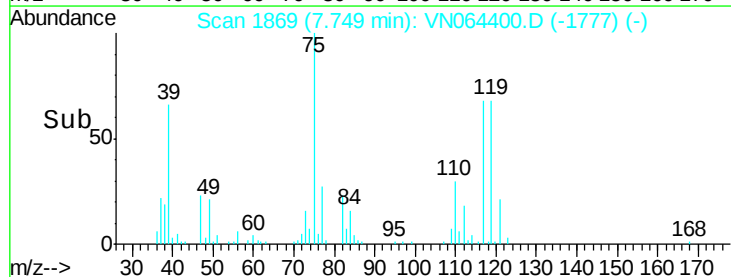
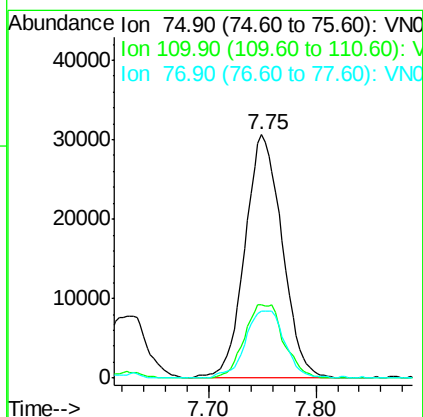
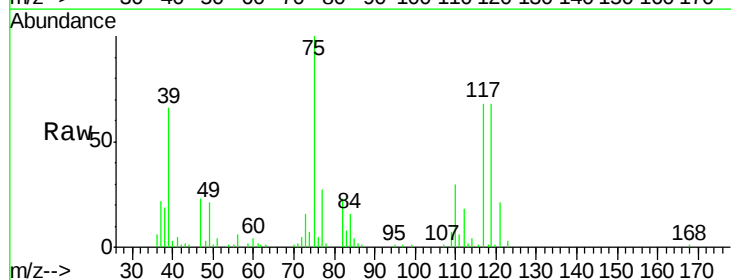
RT: 7.75 min Scan# 1869

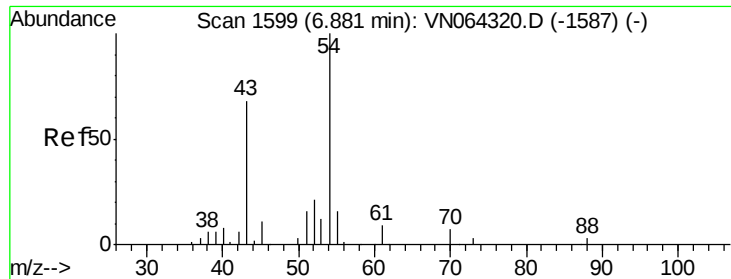
Delta R.T. -0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	75	Resp:	73467
Ion Ratio	Lower	Upper	
75	100		
110	31.7	16.8	50.3
77	29.1	24.2	36.4





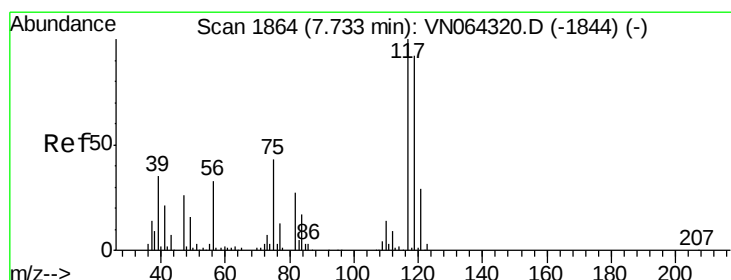
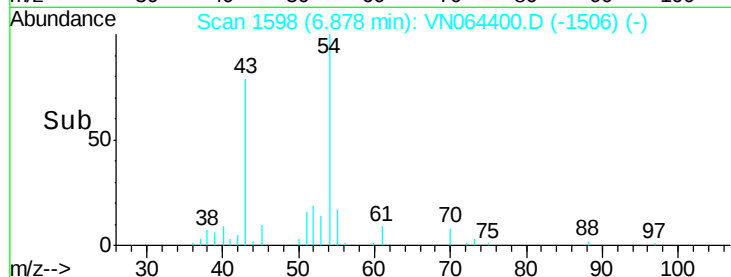
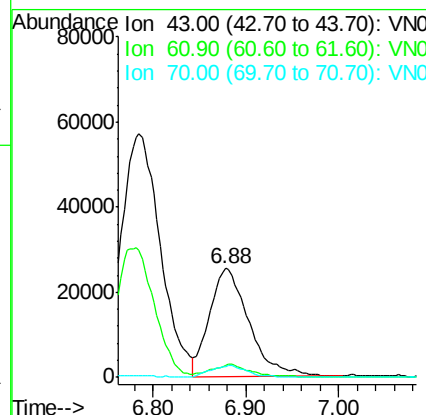
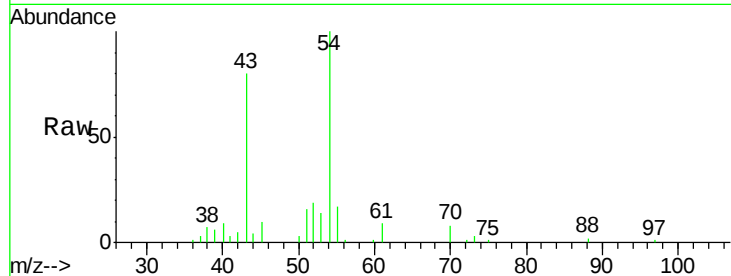
#37
Ethyl Acetate
Concen: 18.646 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.8	10.0	15.0#
70	10.3	7.1	10.7

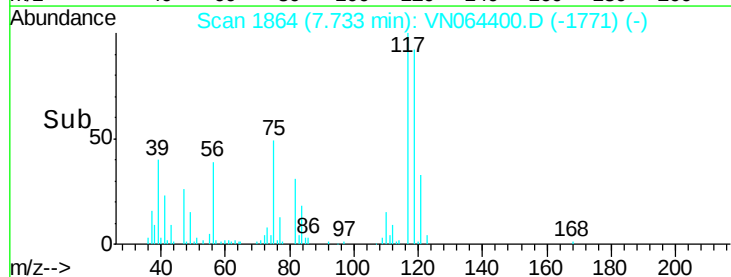
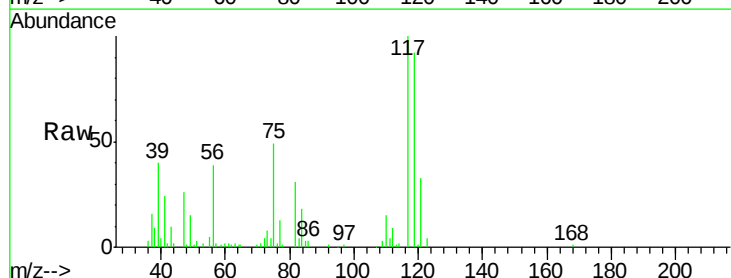
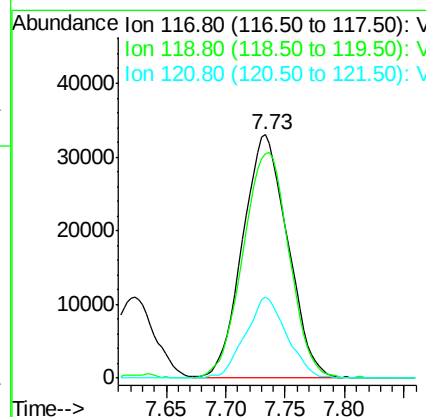
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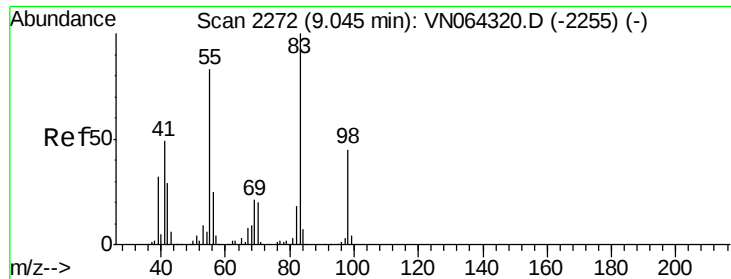
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#38
Carbon Tetrachloride
Concen: 18.711 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.7	110.5
121	33.3	22.8	34.2





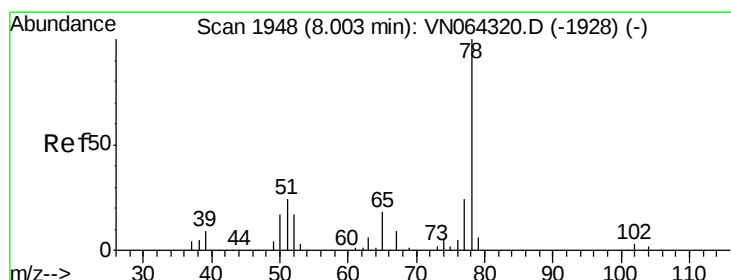
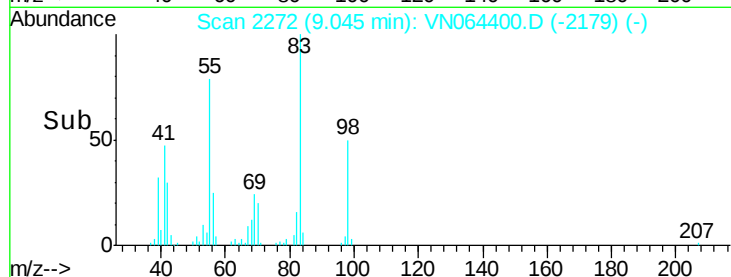
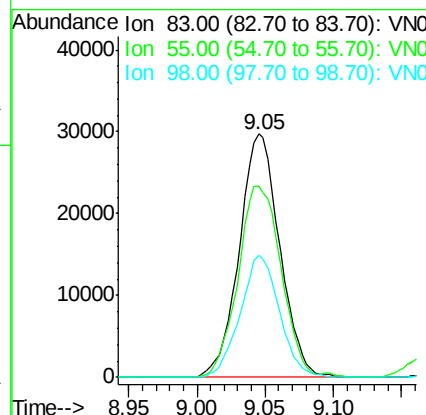
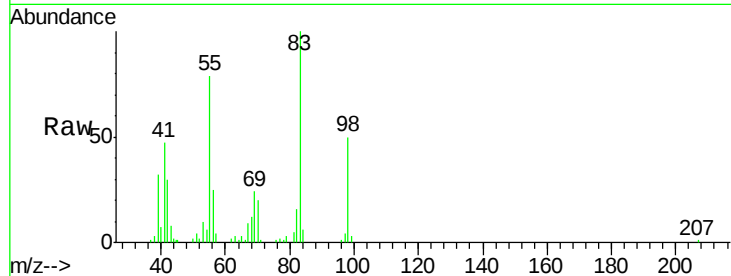
#39
Methvlcvclohexane
Concen: 15.399 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	66.2	99.4
98	50.3	36.0	54.0

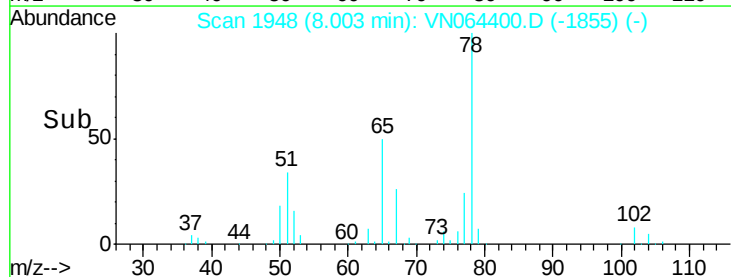
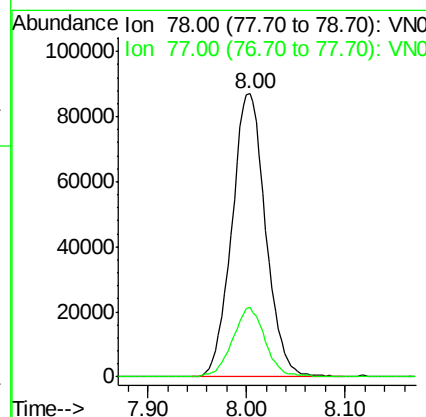
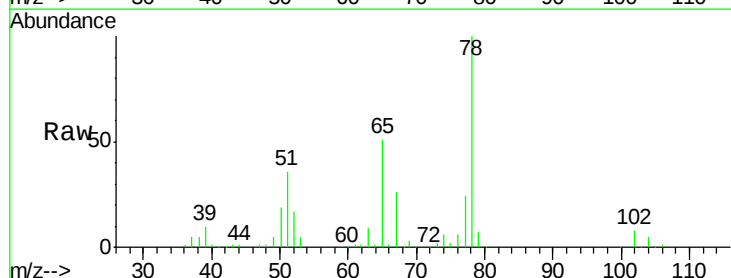
Manual Integrations
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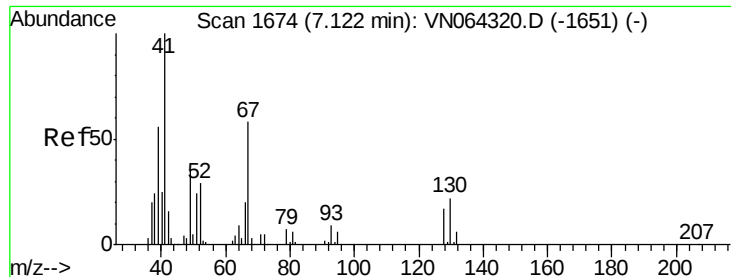
MMDadoda
11/2/2020 4:11:40 PM



#40
Benzene
Concen: 18.602 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2





#41

Methacrylonitrile

Concen: 20.297 ug/l m

RT: 7.14 min Scan# 1680

Delta R.T. 0.02 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 41 Resp: 40729

Ion Ratio Lower Upper

41 100

39 41.5 48.6 72.8#

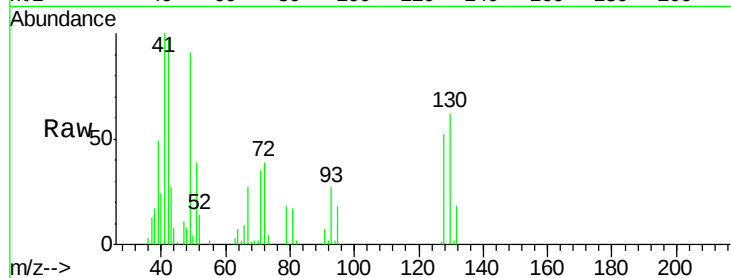
67 64.7 61.4 92.2

52 27.8 27.6 41.4

Manual Integrations
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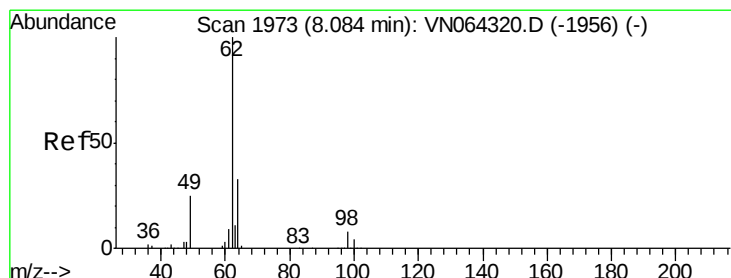
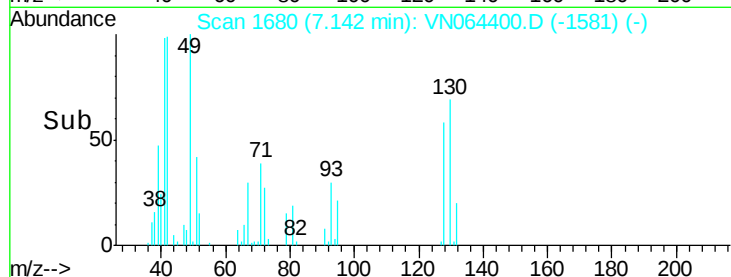
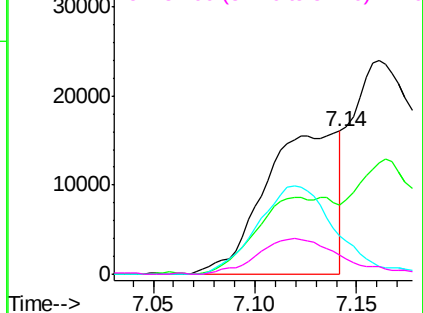


Abundance Ion 41.00 (40.70 to 41.70): VN064320.D (-1651) (-)

Ion 39.00 (38.70 to 39.70): VN064320.D (-1651) (-)

Ion 67.00 (66.70 to 67.70): VN064320.D (-1651) (-)

Ion 52.00 (51.70 to 52.70): VN064320.D (-1651) (-)



#42

1,2-Dichloroethane

Concen: 19.333 ug/l

RT: 8.08 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN064400.D

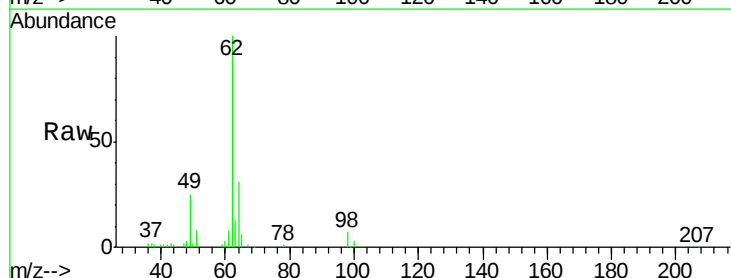
Acq: 30 Oct 2020 15:18

Tgt Ion: 62 Resp: 93030

Ion Ratio Lower Upper

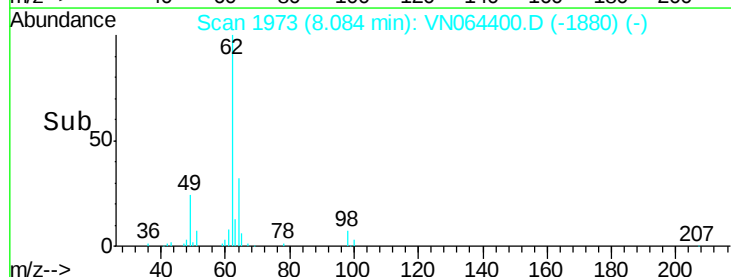
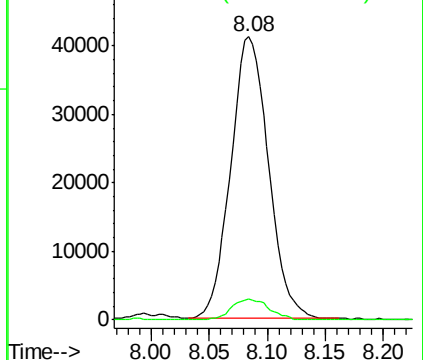
62 100

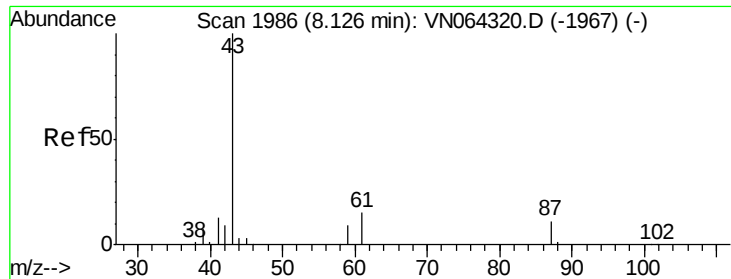
98 7.2 0.0 14.2



Abundance Ion 61.90 (61.60 to 62.60): VN064320.D (-1956) (-)

Ion 97.90 (97.60 to 98.60): VN064320.D (-1956) (-)





#43

Isopropyl Acetate

Concen: 18.359 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

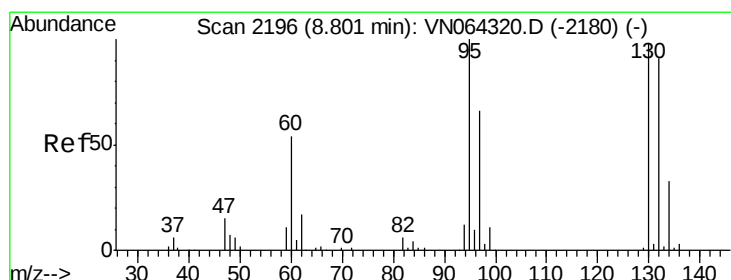
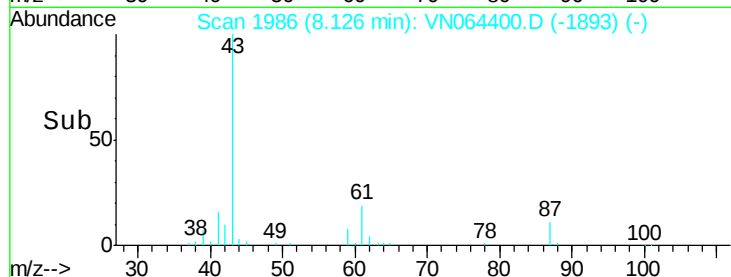
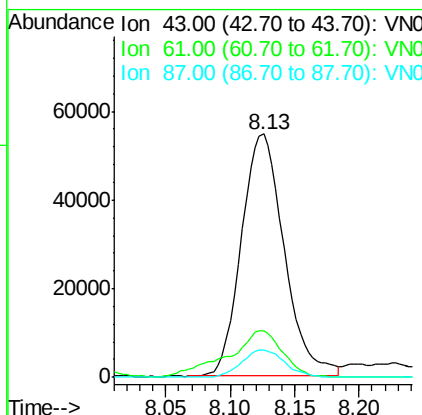
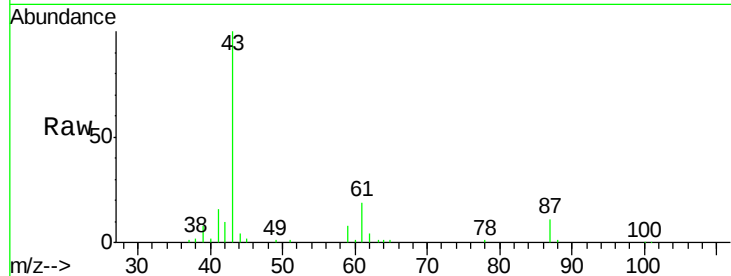
ClientSampleId :

VN1030MBS01

Tot Ion:	43	Resp:	126859
Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.1	28.7
87	11.3	9.3	13.9

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11/2/2020 4:11:40 PM



#44

Trichloroethene

Concen: 19.196 ug/l

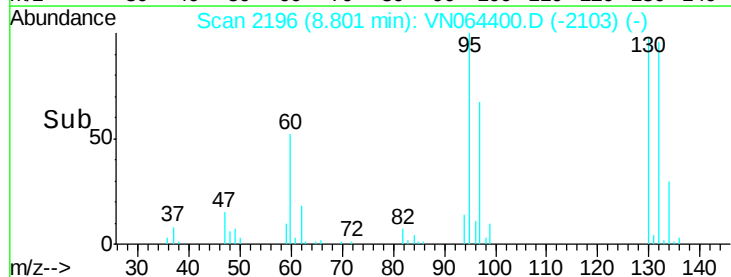
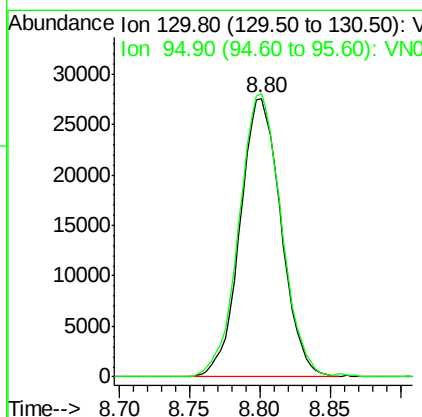
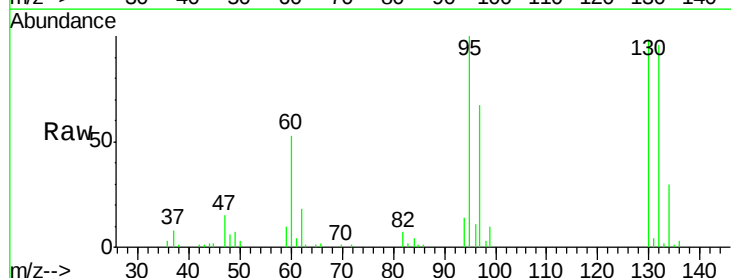
RT: 8.80 min Scan# 2196

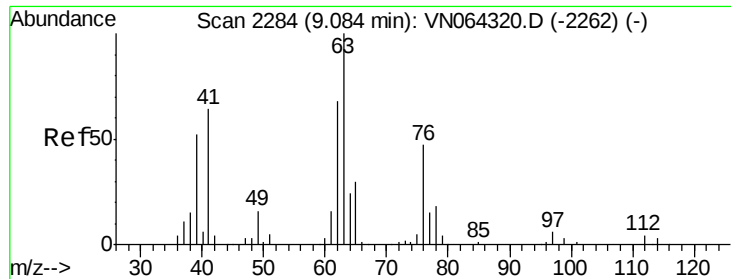
Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	130	Resp:	56016
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.6





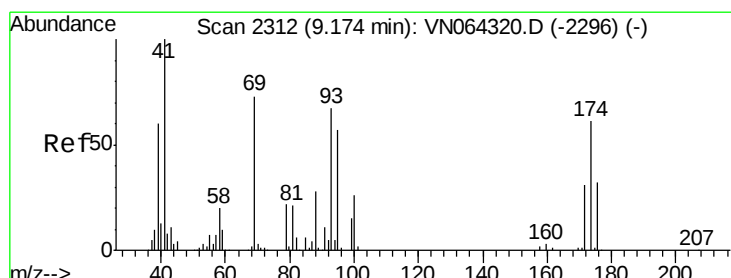
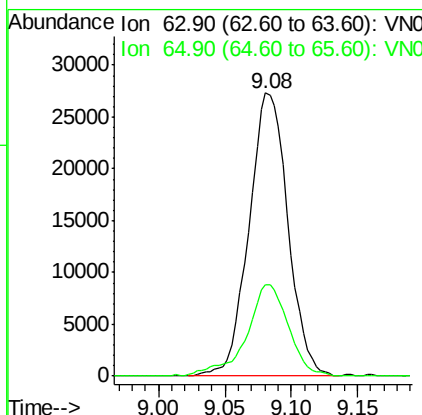
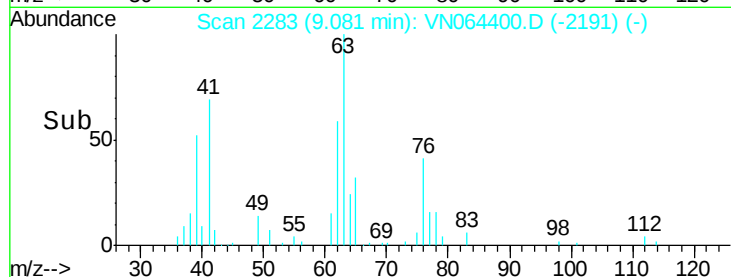
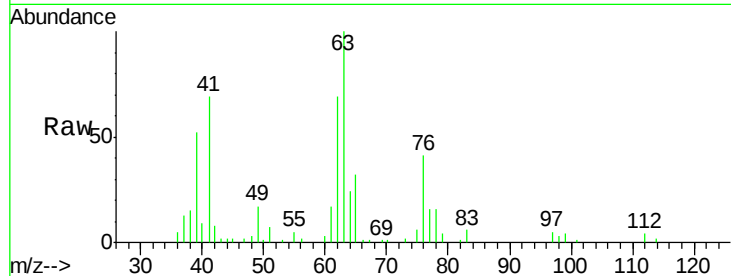
#45
 1,2-Dichloropropane
 Concen: 18.729 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030MBS01

Tot Ion: 63 Resp: 55869
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.3 36.5

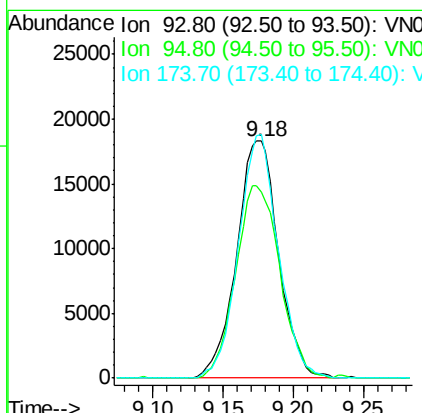
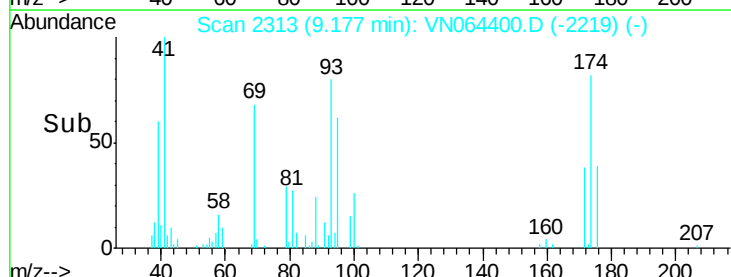
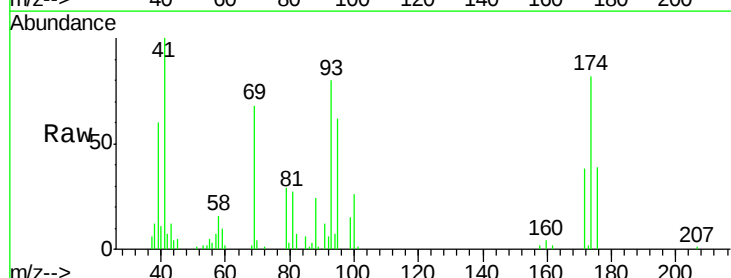
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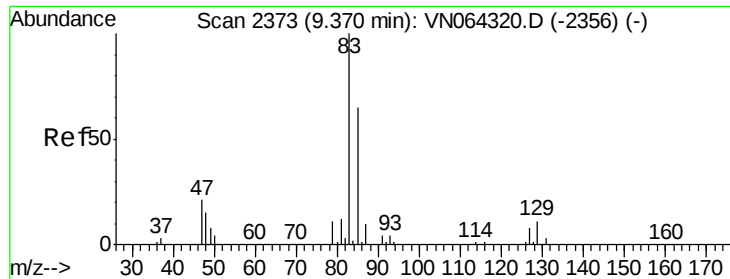
MMDadoda
 11/2/2020 4:11:40 PM



#46
 Dibromomethane
 Concen: 18.255 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Tgt Ion: 93 Resp: 38094
 Ion Ratio Lower Upper
 93 100
 95 85.5 64.4 96.6
 174 97.5 71.4 107.0





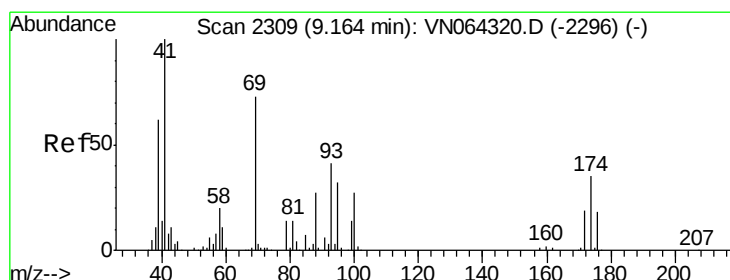
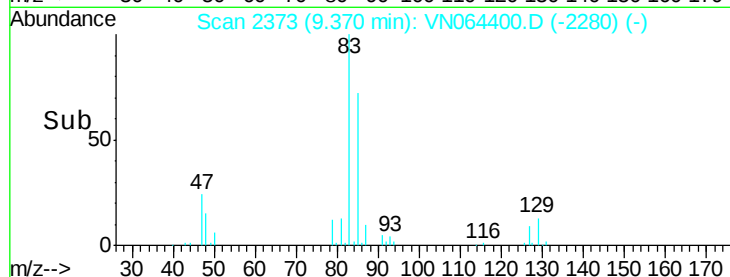
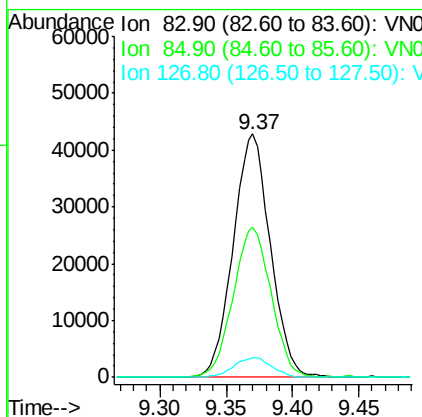
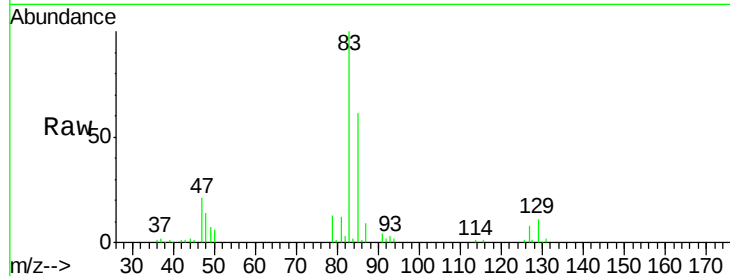
#47
Bromodichloromethane
Concen: 18.038 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	83	Resp	83422
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	52.1	78.1
127	8.0	6.7	10.1

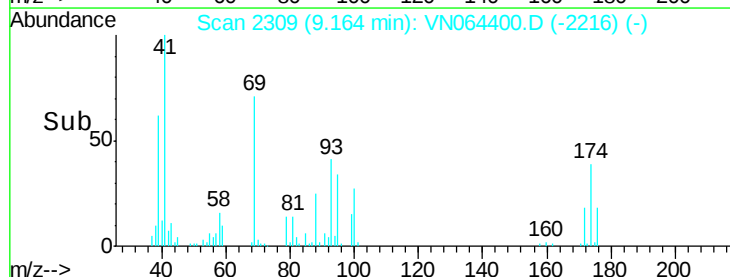
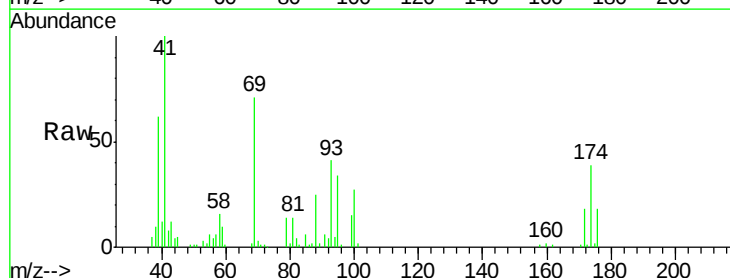
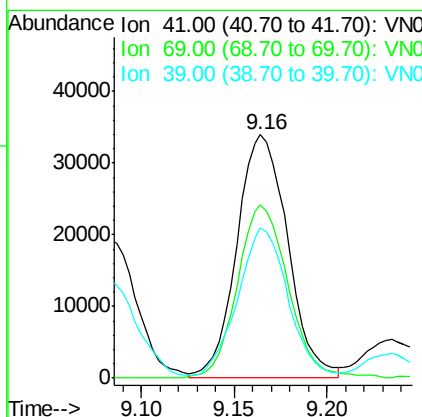
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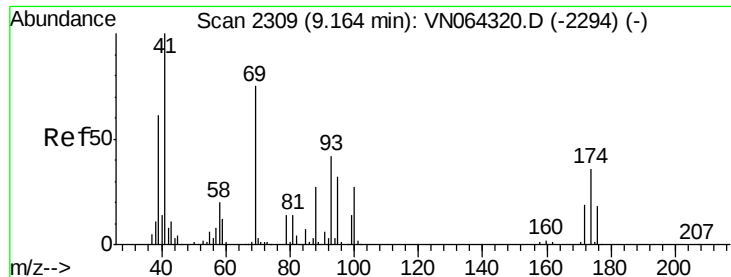
MMDadoda
11/2/2020 4:11:40 PM



#48
Methyl methacrylate
Concen: 18.260 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	41	Resp	65100
Ion Ratio	100	Lower	Upper
41	100		
69	71.1	59.1	88.7
39	60.4	51.3	76.9





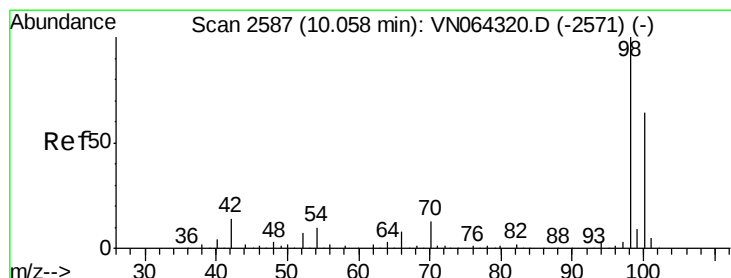
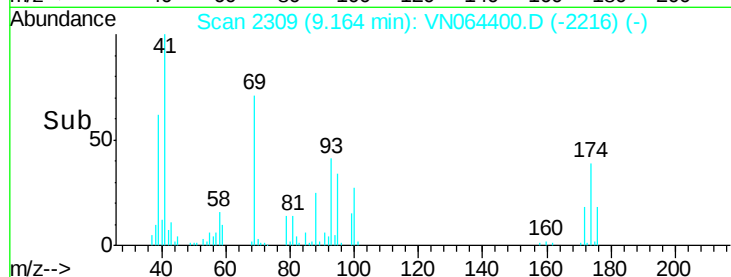
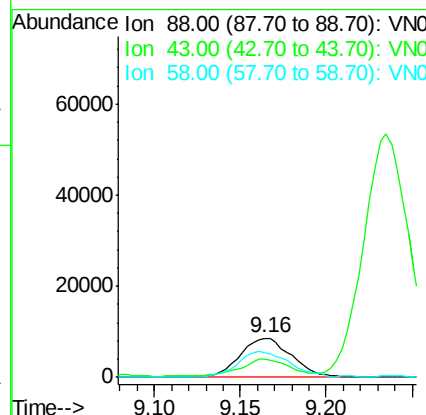
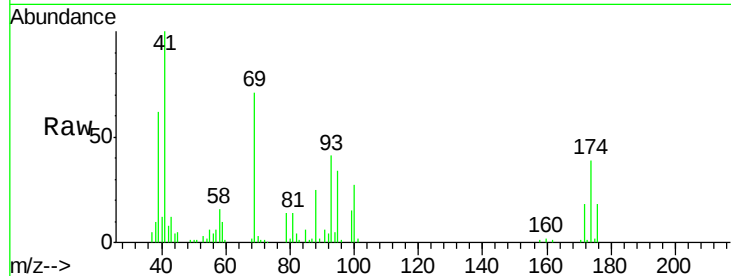
#49
1,4-Dioxane
Concen: 336.720 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	31.8	47.8
58	67.8	60.3	90.5

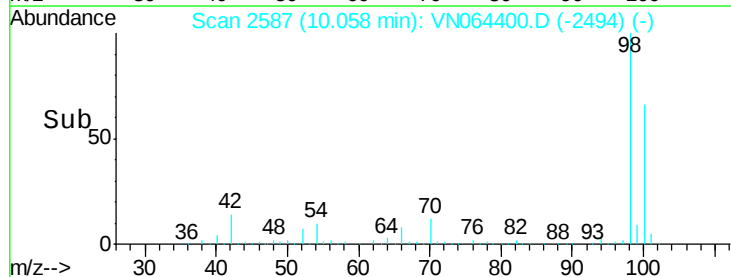
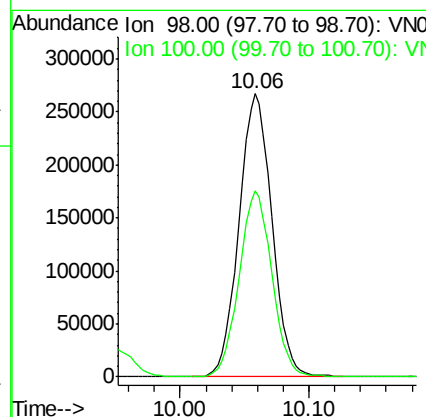
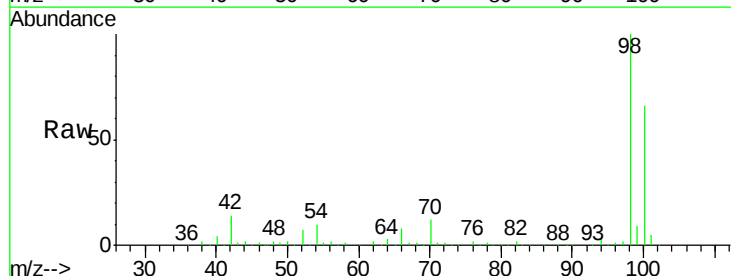
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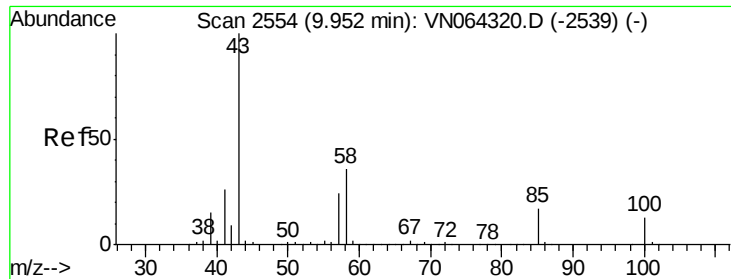
MMDadoda
11/2/2020 4:11:40 PM



#50
Toluene-d8
Concen: 48.540 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 90.944 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 43 Resp: 365295

Ion Ratio Lower Upper

43 100

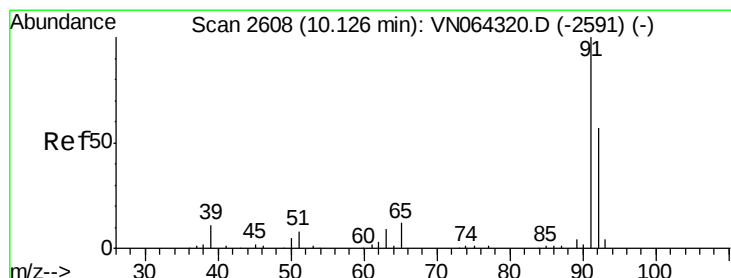
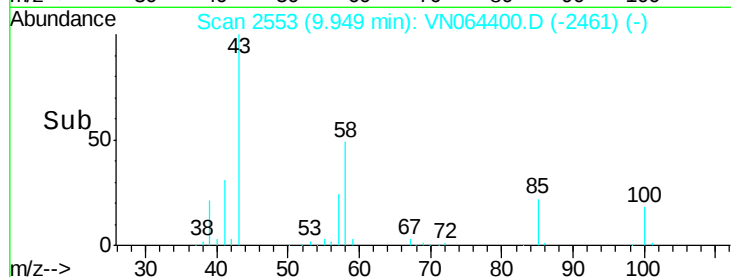
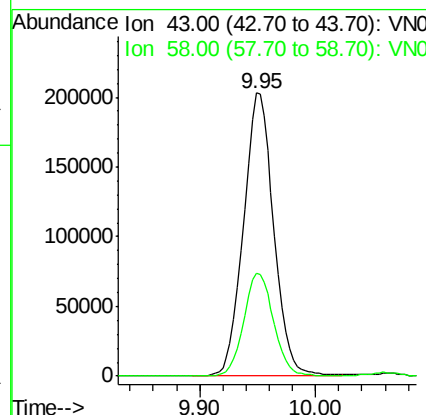
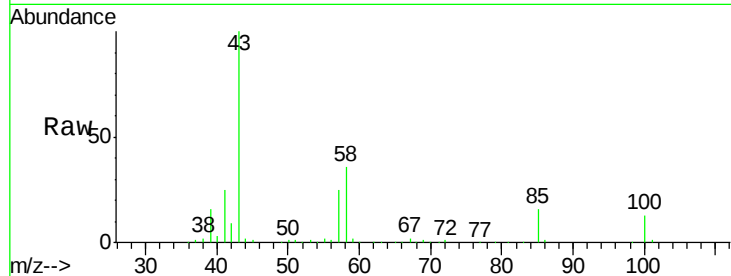
58 36.1 28.6 42.8

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#52

Toluene

Concen: 17.952 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064400.D

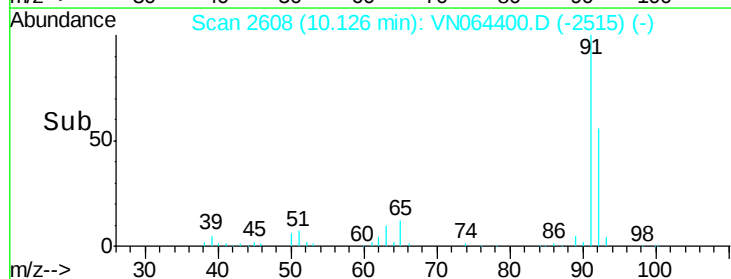
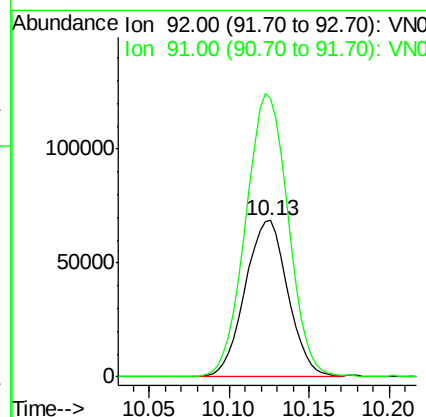
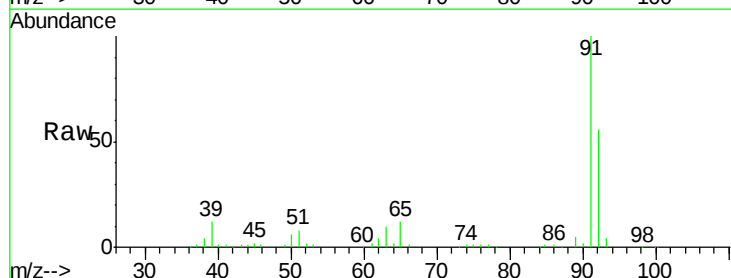
Acq: 30 Oct 2020 15:18

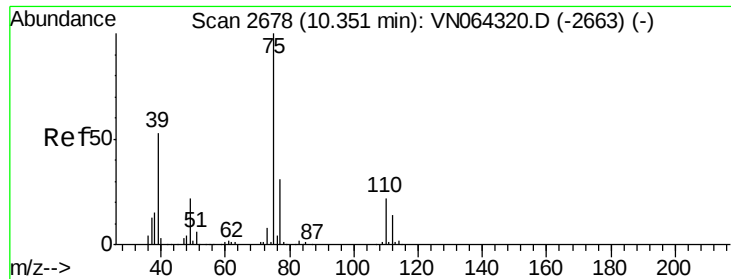
Tgt Ion: 92 Resp: 126188

Ion Ratio Lower Upper

92 100

91 179.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.332 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 75 Resp: 89645

Ion Ratio Lower Upper

75 100

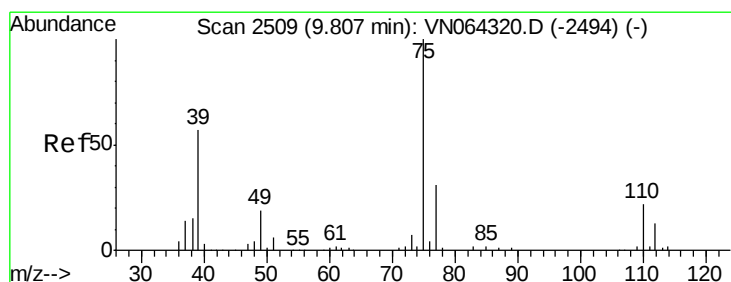
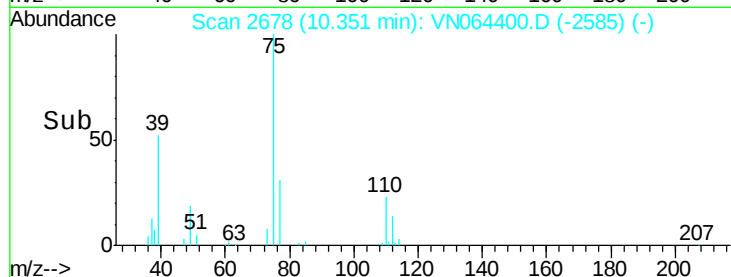
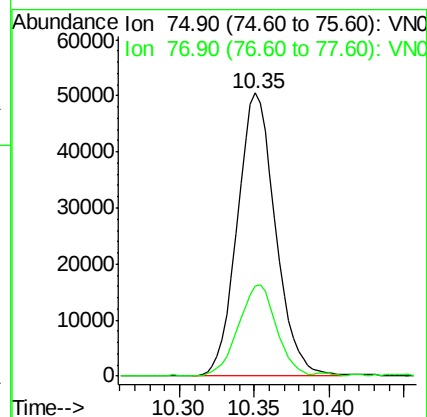
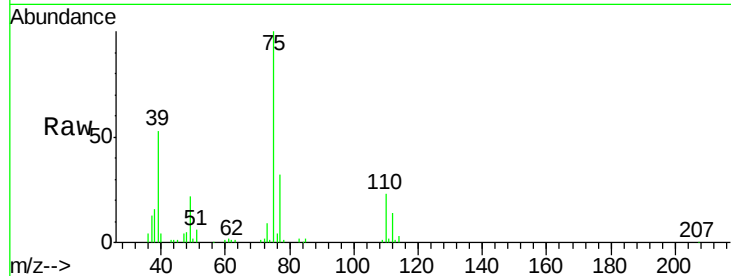
77 31.7 24.8 37.2

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11/2/2020 4:11:40 PM



#54

cis-1,3-Dichloropropene

Concen: 18.488 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

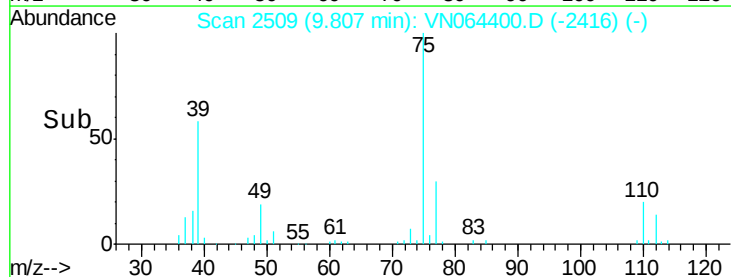
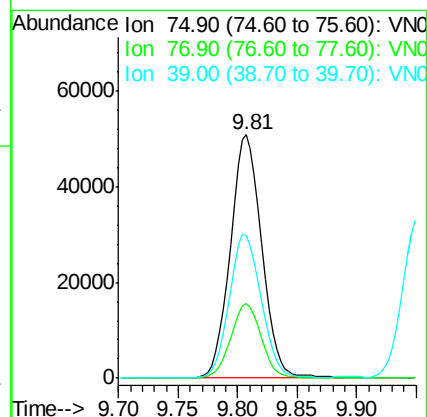
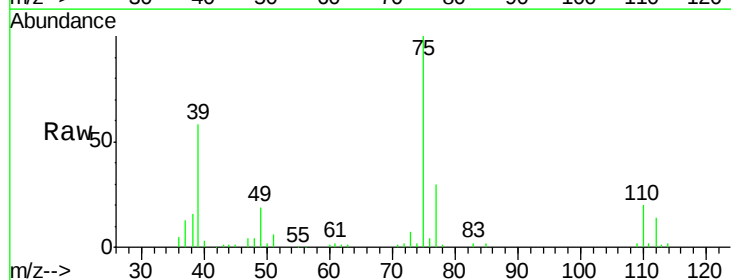
Tgt Ion: 75 Resp: 93066

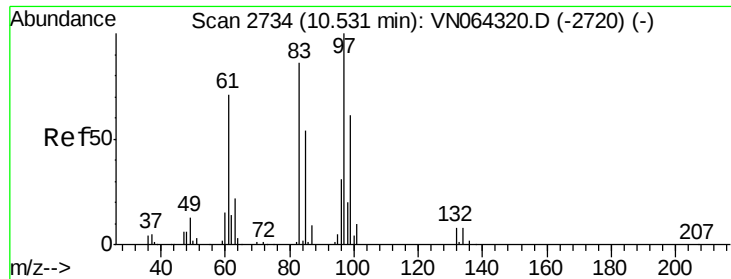
Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4

39 58.4 45.5 68.3





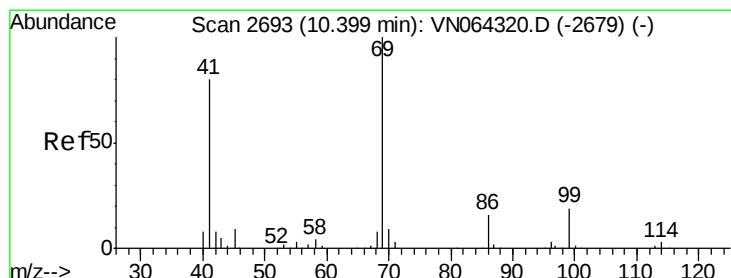
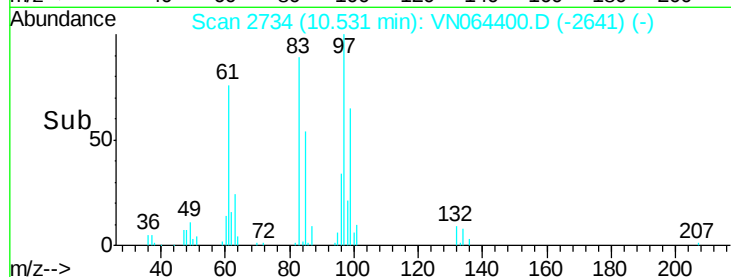
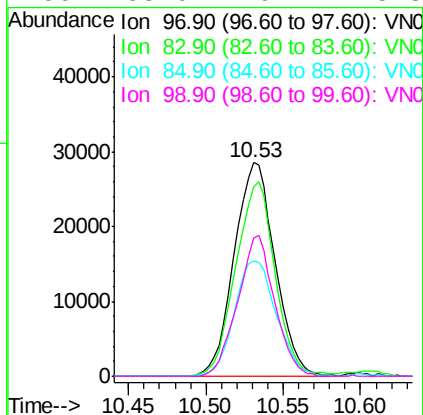
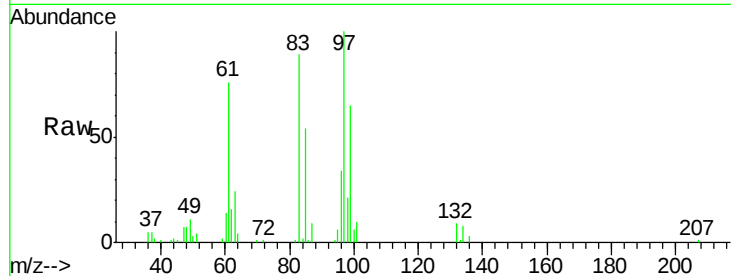
#55
 1,1,2-Trichloroethane
 Concen: 18.893 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.9	68.9	103.3
85	54.2	43.6	65.4
99	65.0	49.2	73.8

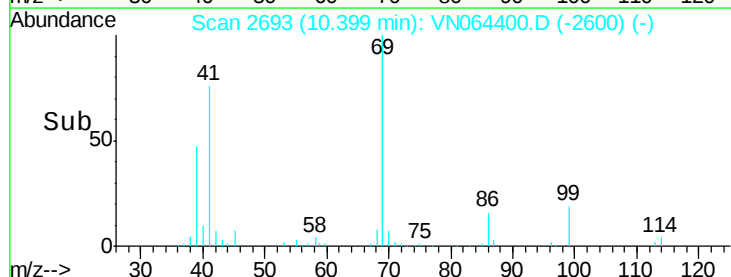
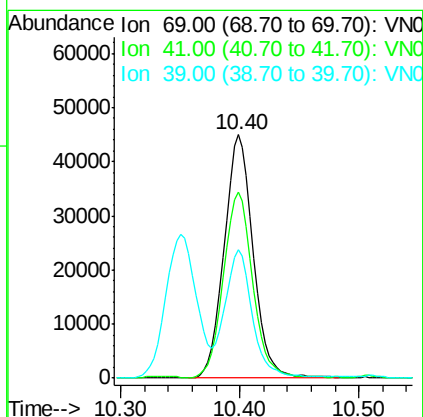
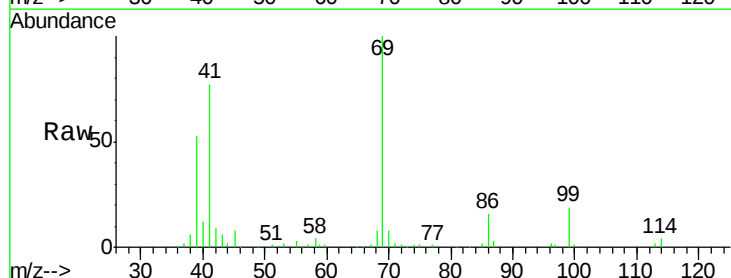
Manual Integrations
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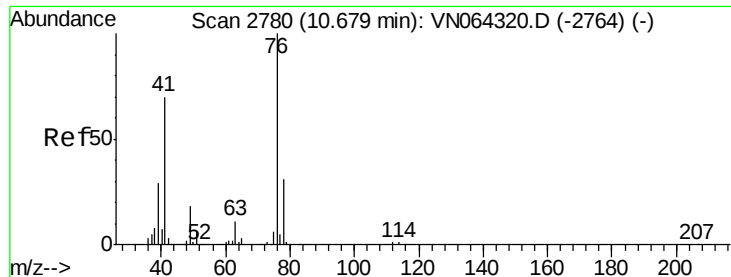
MMDadoda
 11/2/2020 4:11:40 PM



#56
 Ethyl methacrylate
 Concen: 18.032 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.6	61.4	92.2
39	49.3	36.5	54.7





#57

1,3-Dichloropropane

Concen: 19.461 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 76 Resp: 92112

Ion Ratio Lower Upper

76 100

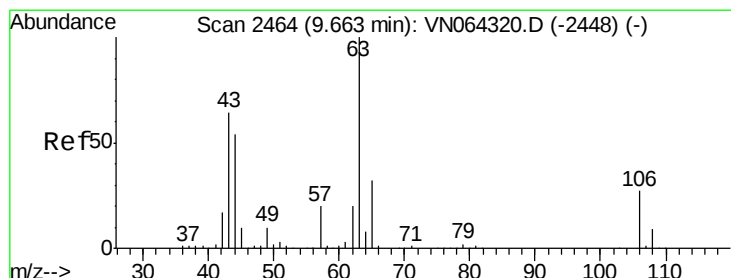
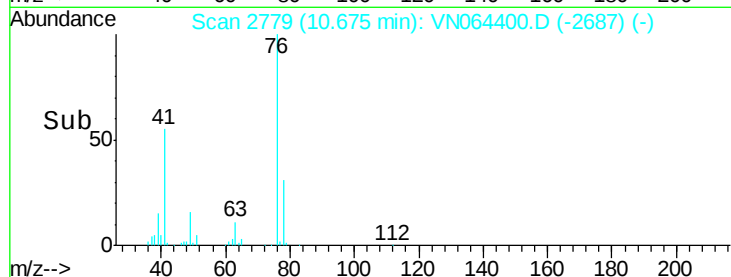
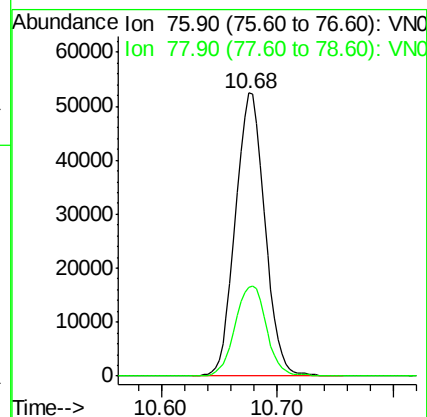
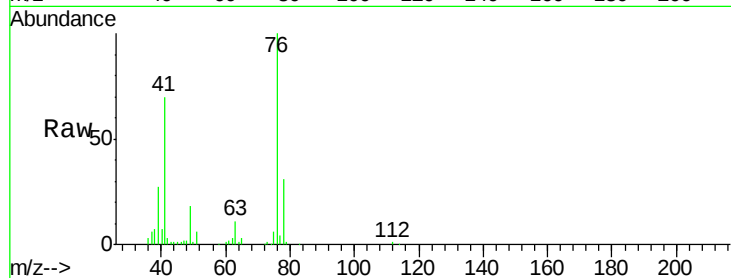
78 34.0 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 82.586 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064400.D

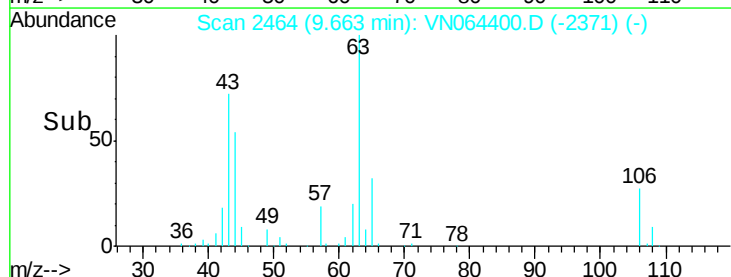
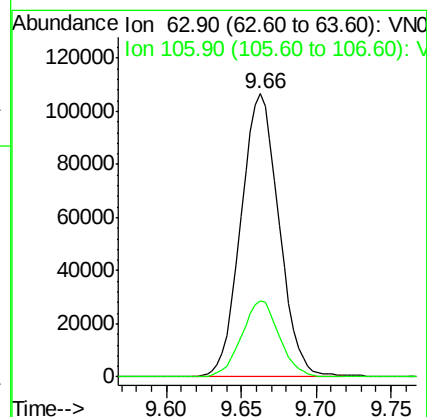
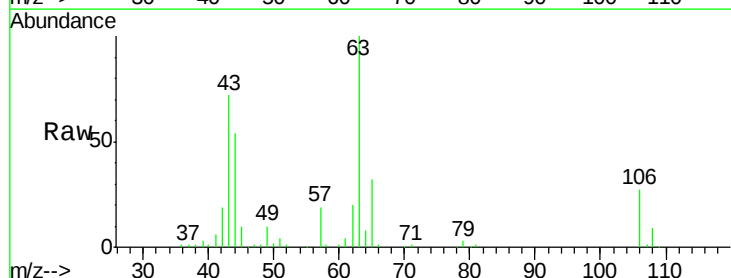
Acq: 30 Oct 2020 15:18

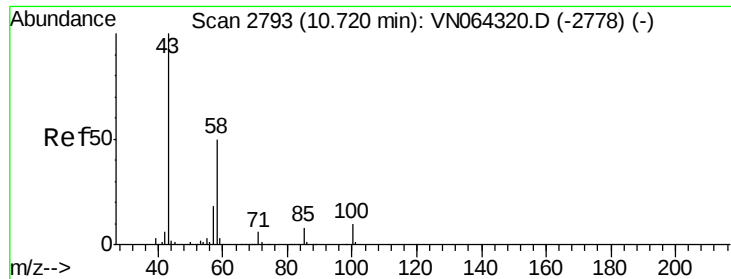
Tgt Ion: 63 Resp: 189289

Ion Ratio Lower Upper

63 100

106 26.6 21.0 31.4





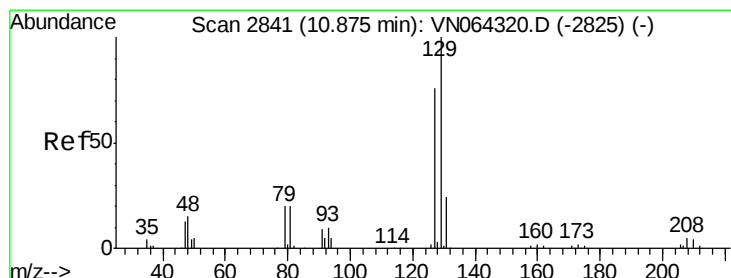
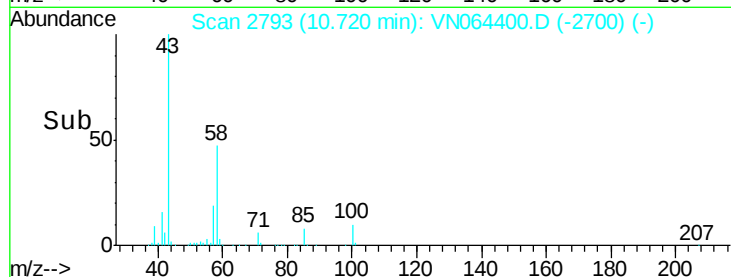
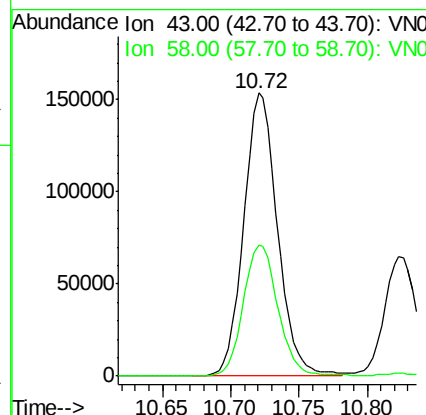
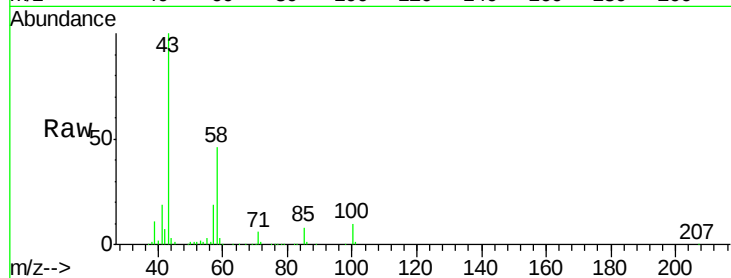
#59
2-Hexanone
Concen: 88.781 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	25.0	75.0

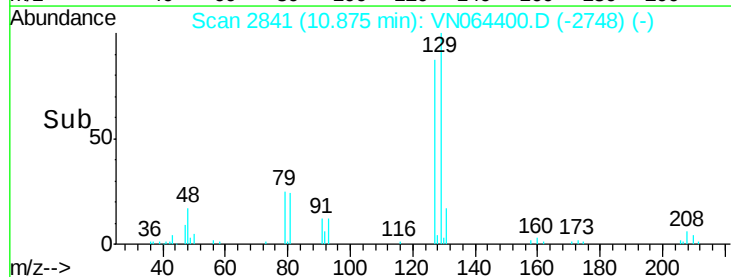
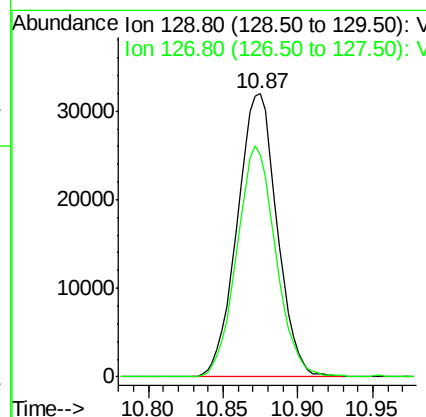
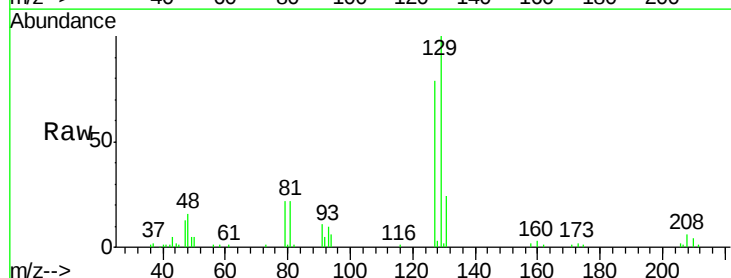
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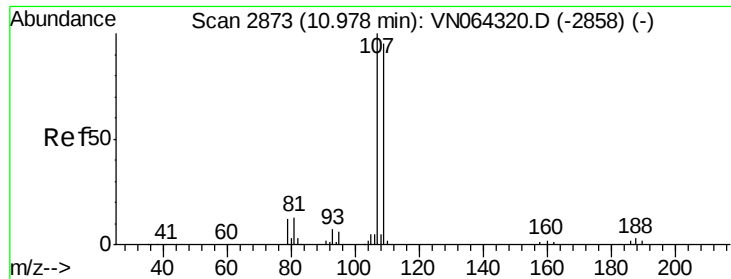
MMDadoda
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#60
Dibromochloromethane
Concen: 18.048 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.8	38.5	115.3





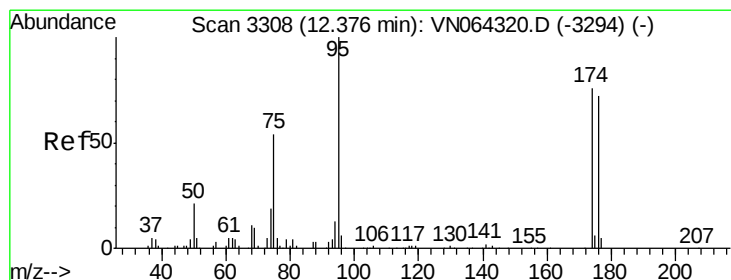
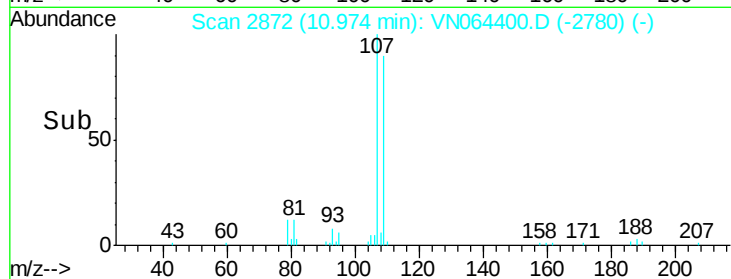
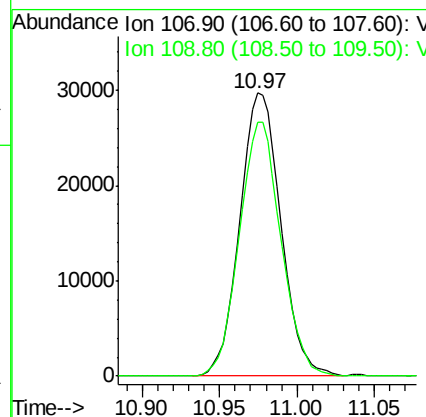
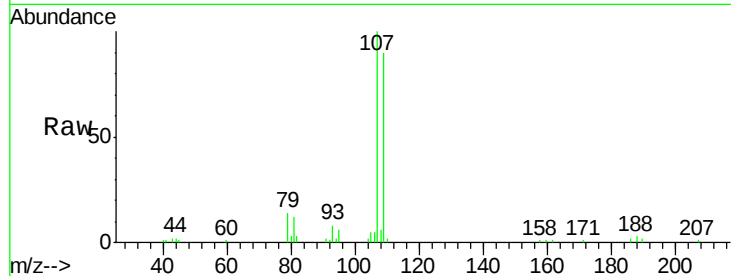
#61
 1,2-Dibromoethane
 Concen: 19.390 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	75.8	113.8

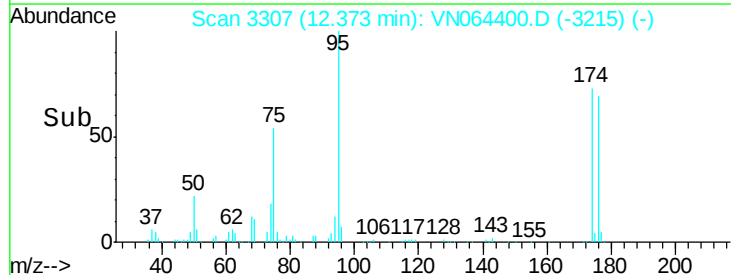
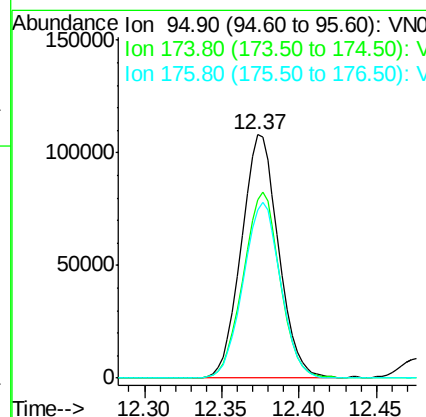
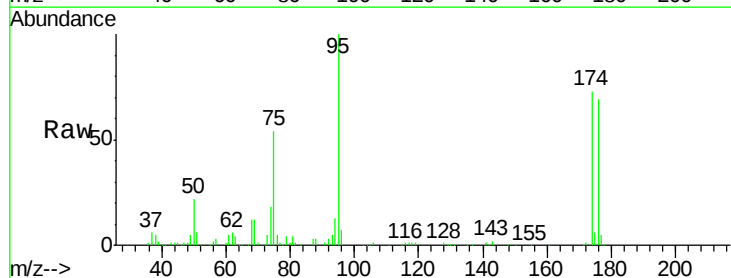
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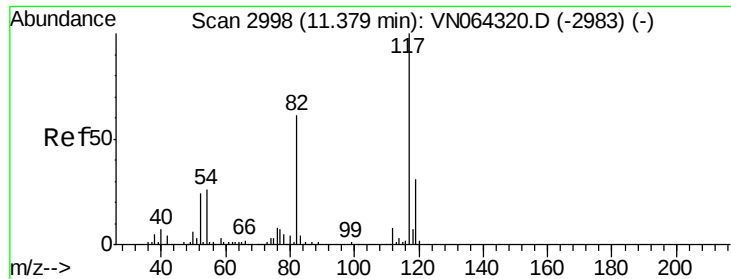
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 11/2/2020 4:11:40 PM



#62
 4-Bromofluorobenzene
 Concen: 47.191 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	147.4
176	72.8	0.0	143.6





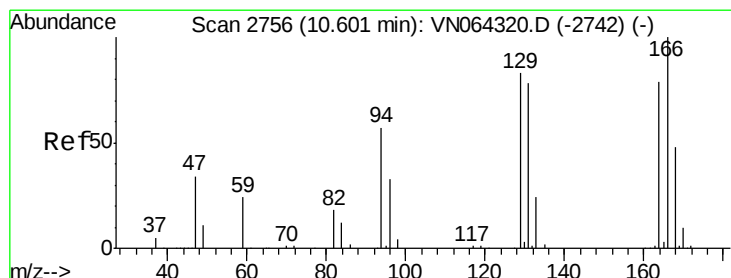
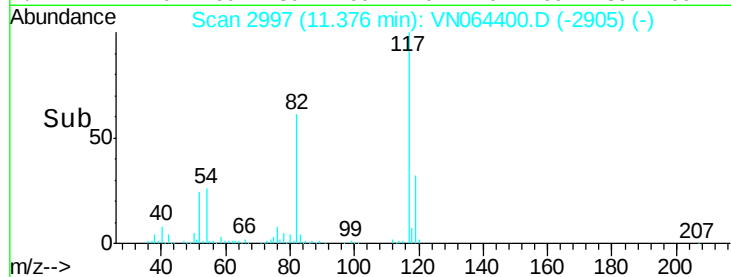
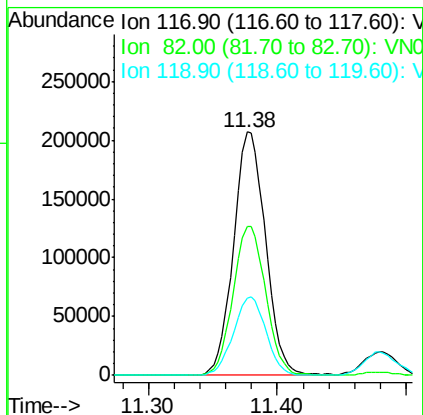
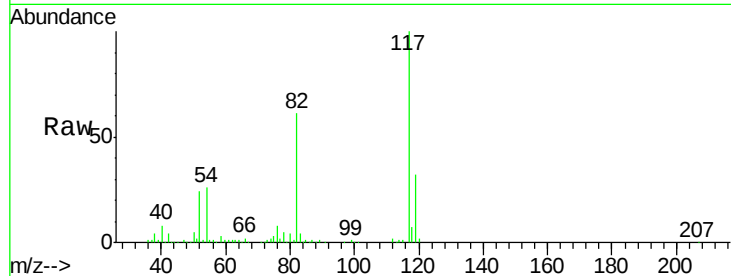
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.8	73.2
119	31.8	25.1	37.7

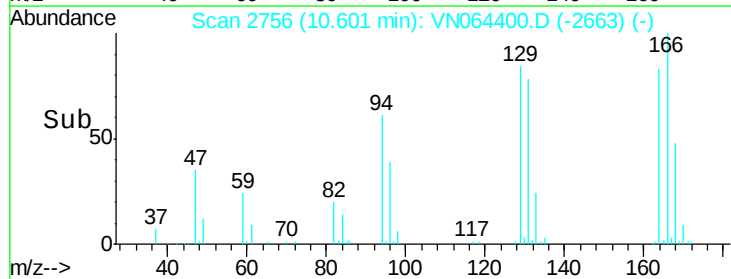
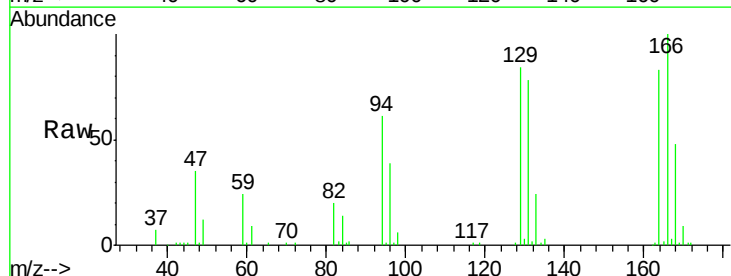
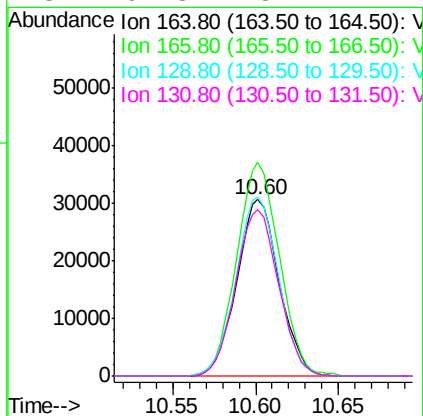
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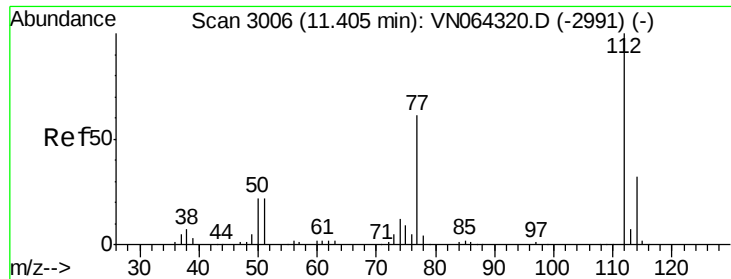
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#64
Tetrachloroethene
Concen: 18.434 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.2	100.7	151.1
129	101.5	83.7	125.5
131	94.3	78.2	117.2





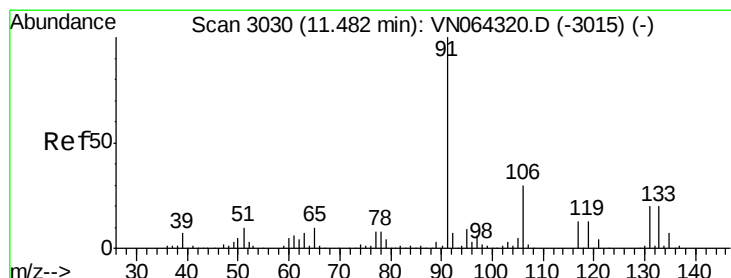
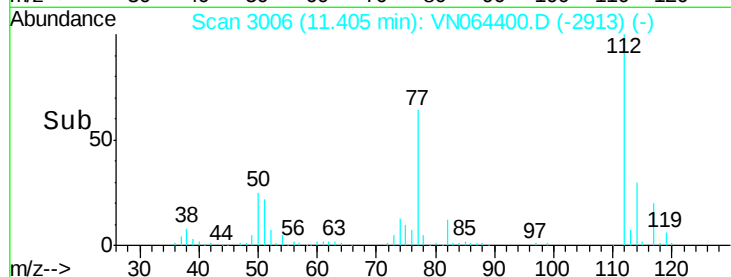
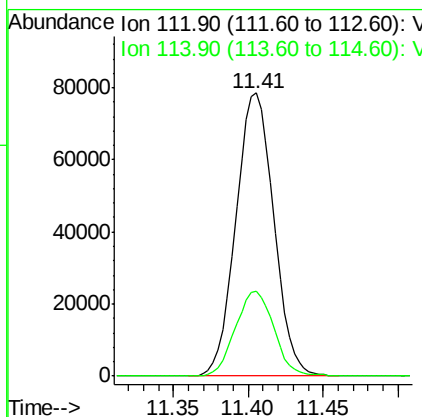
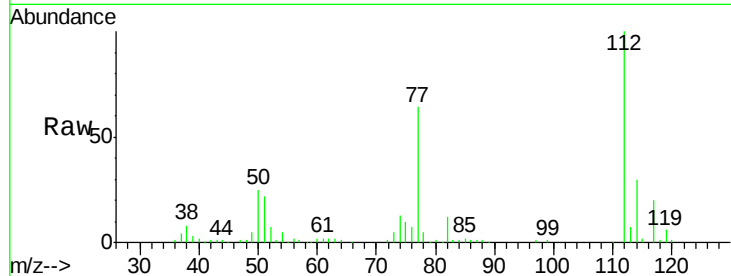
#65
Chlorobenzene
Concen: 19.112 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion:112 Resp: 138643
Ion Ratio Lower Upper
112 100
114 29.8 25.4 38.0

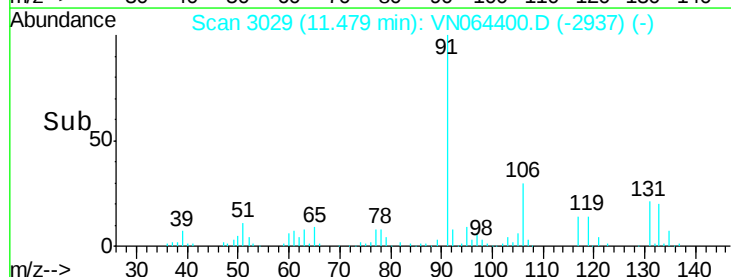
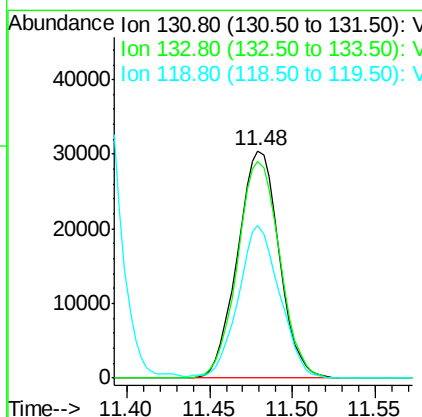
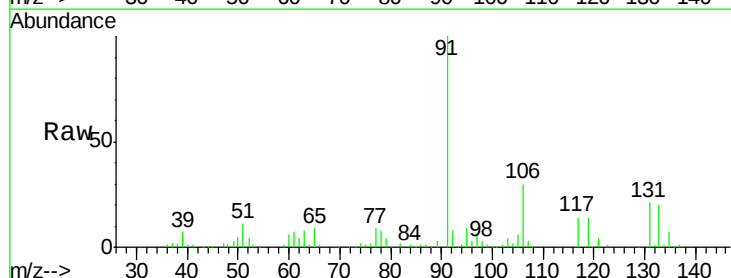
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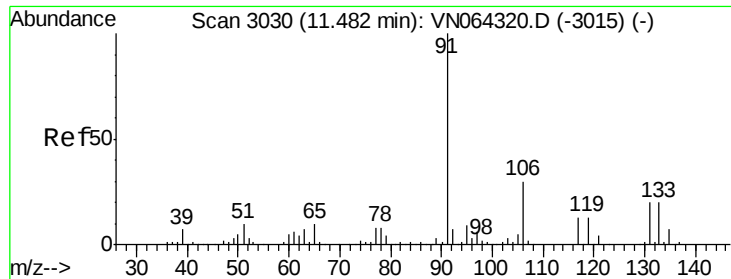
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.150 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion:131 Resp: 53215
Ion Ratio Lower Upper
131 100
133 96.9 49.3 147.8
119 66.8 32.3 96.9





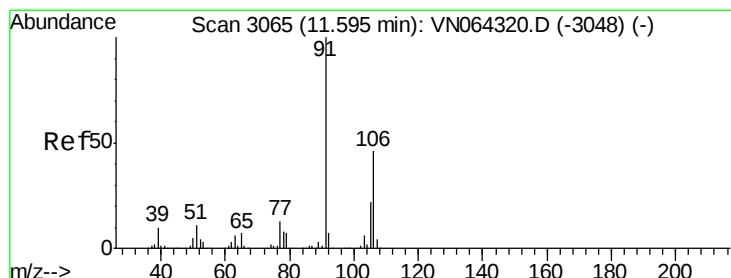
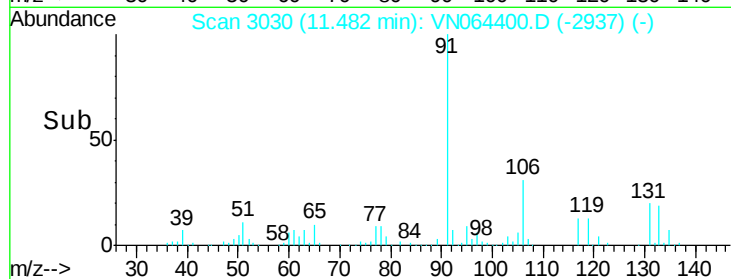
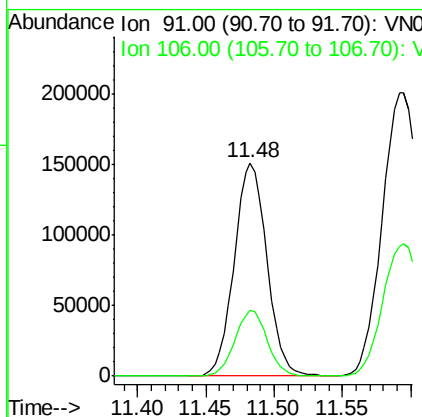
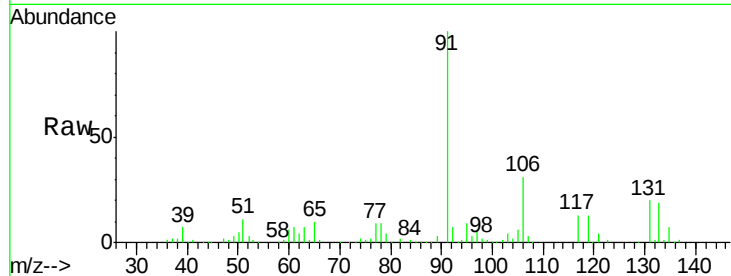
#67
Ethyl Benzene
Concen: 18.697 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion: 91 Resp: 252163
Ion Ratio Lower Upper
91 100
106 30.5 23.7 35.5

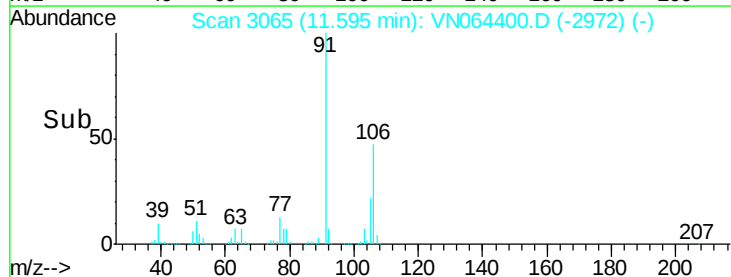
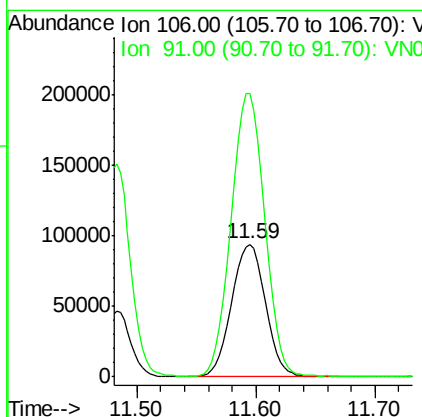
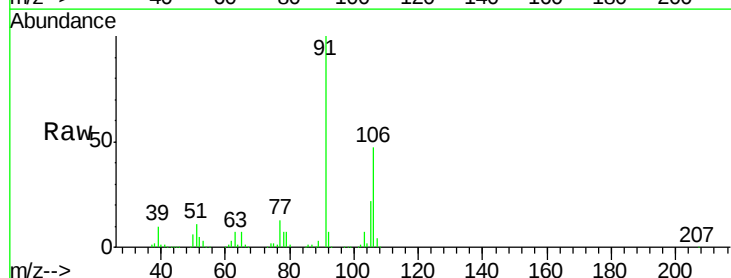
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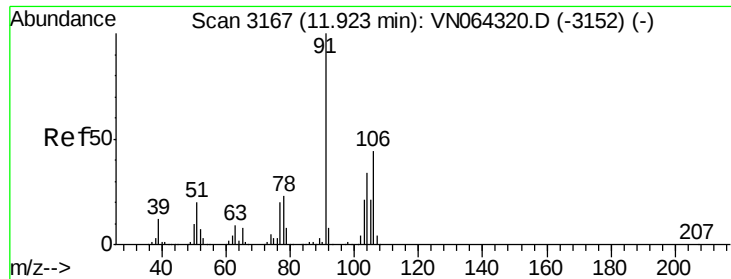
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#68
m/p-Xylenes
Concen: 37.216 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion: 106 Resp: 186004
Ion Ratio Lower Upper
106 100
91 210.5 170.2 255.4





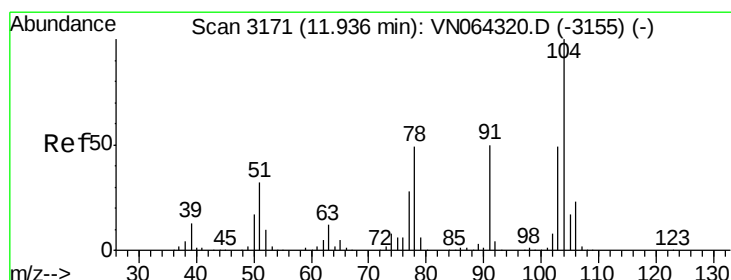
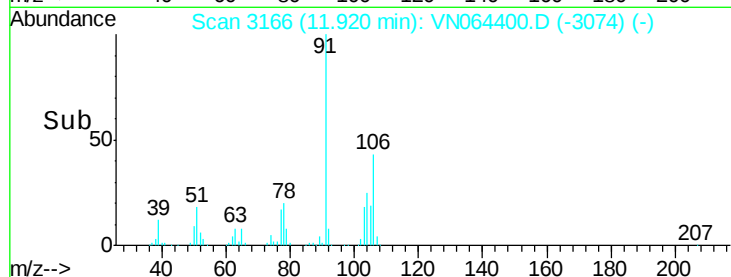
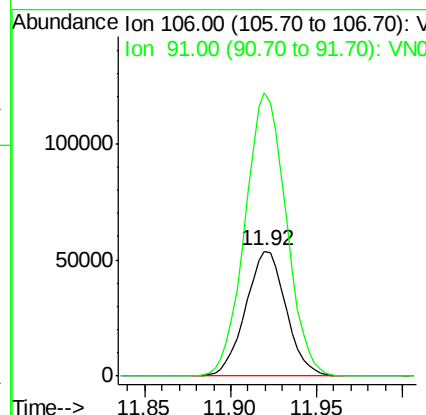
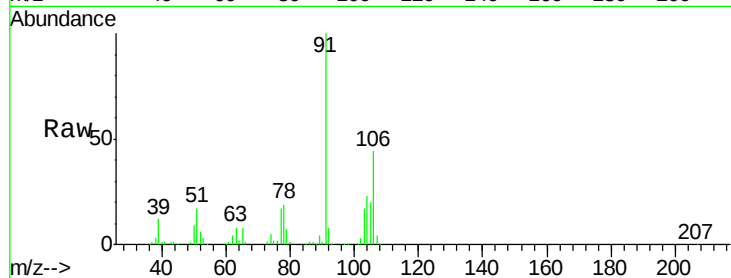
#69
o-Xylene
Concen: 18.189 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampled :
VN1030MBS01

Tot Ion:106 Resp: 87583
Ion Ratio Lower Upper
106 100
91 230.4 114.5 343.5

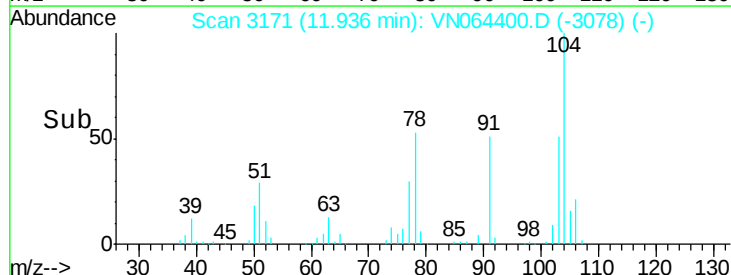
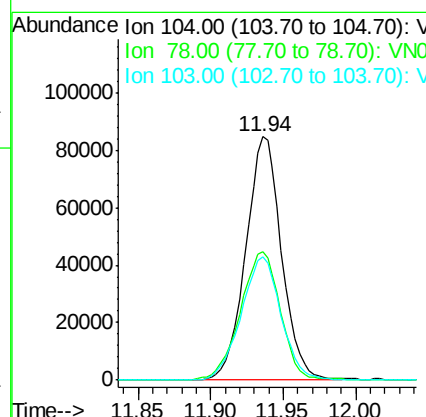
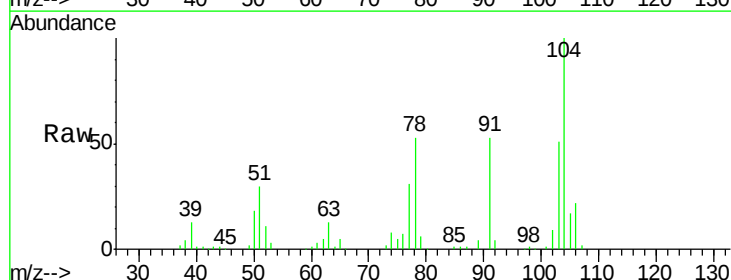
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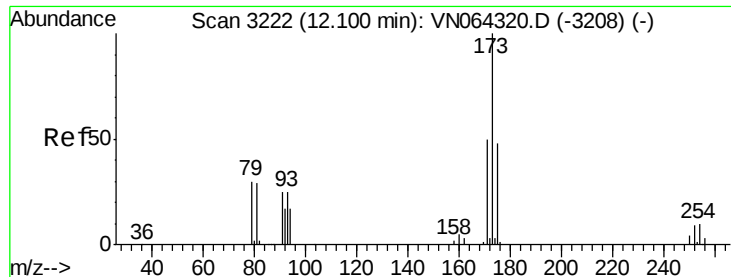
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#70
Styrene
Concen: 18.382 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion:104 Resp: 145123
Ion Ratio Lower Upper
104 100
78 59.1 43.7 65.5
103 56.3 43.3 64.9





#71

Bromoform

Concen: 17.833 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion:173 Resp: 41038

Ion Ratio Lower Upper

173 100

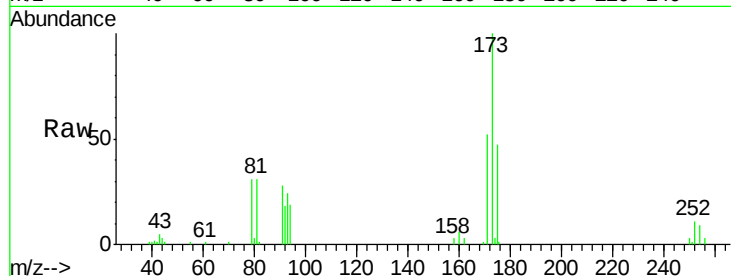
175 46.4 25.4 76.0

254 0.0 0.0 0.0

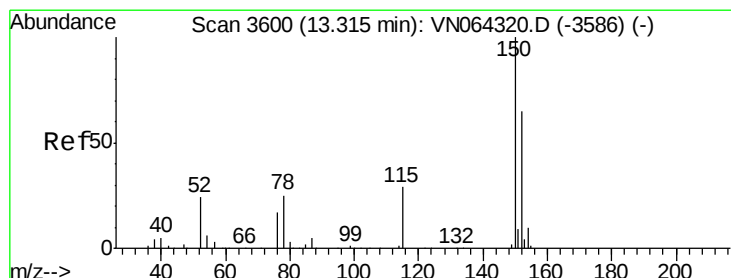
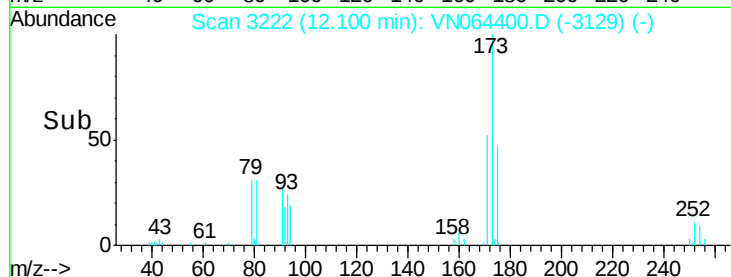
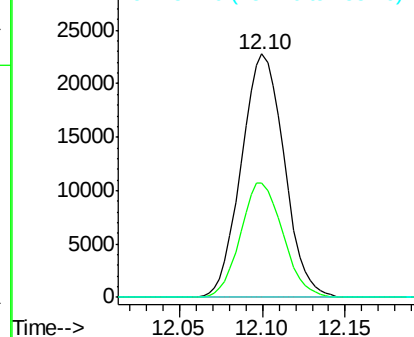
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

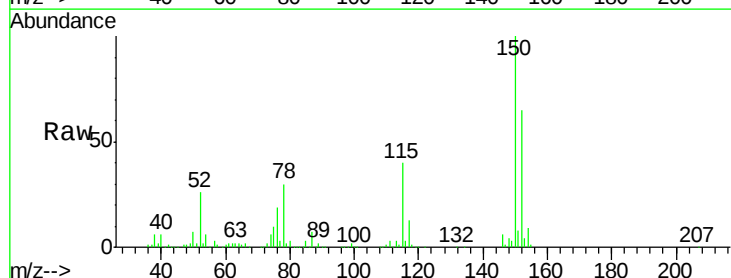
Tgt Ion:152 Resp: 166258

Ion Ratio Lower Upper

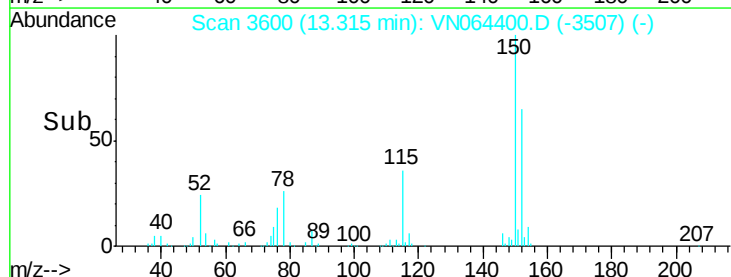
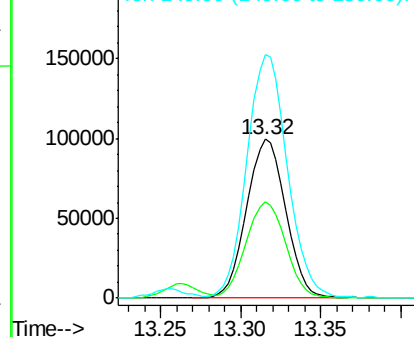
152 100

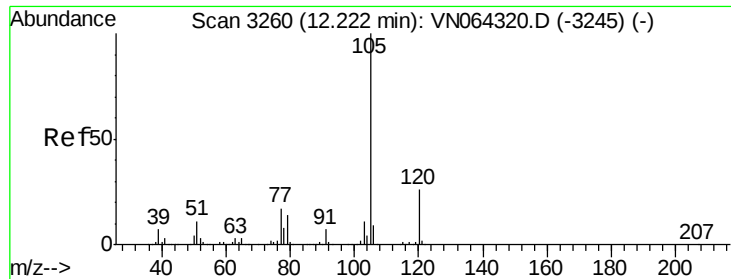
115 61.3 31.5 94.5

150 158.6 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.710 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 105 Resp: 232983

Ion Ratio Lower Upper

105 100

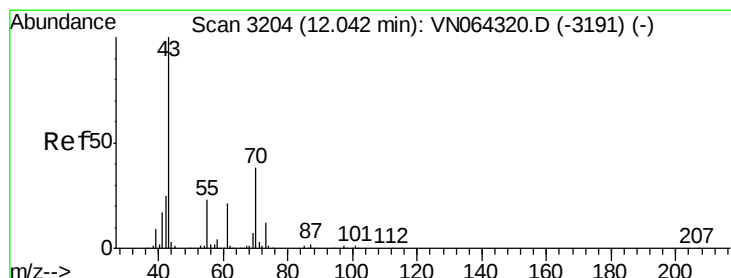
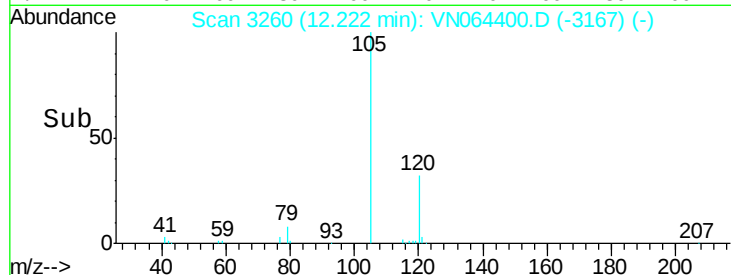
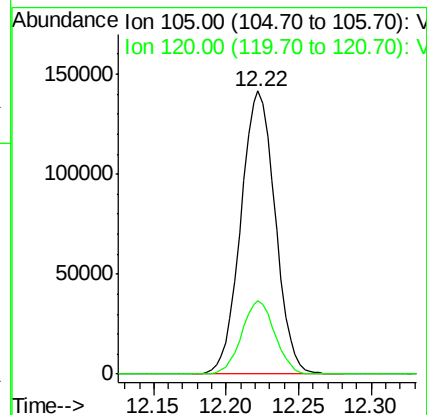
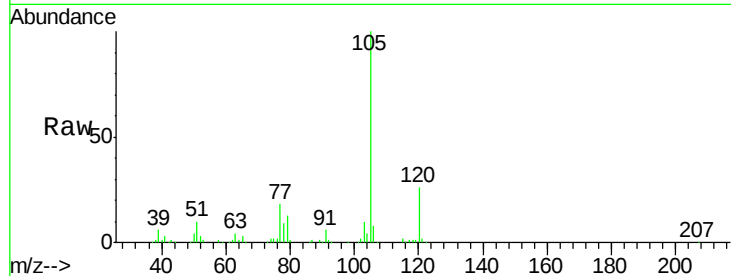
120 25.1 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.098 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion: 43 Resp: 104674

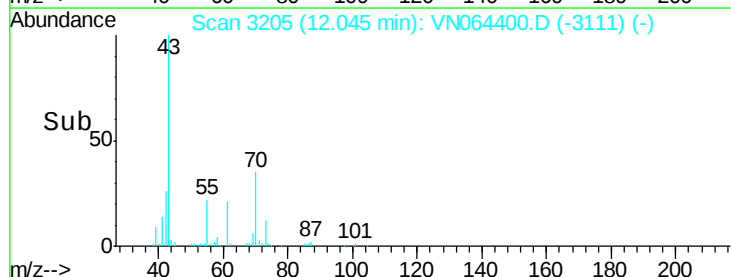
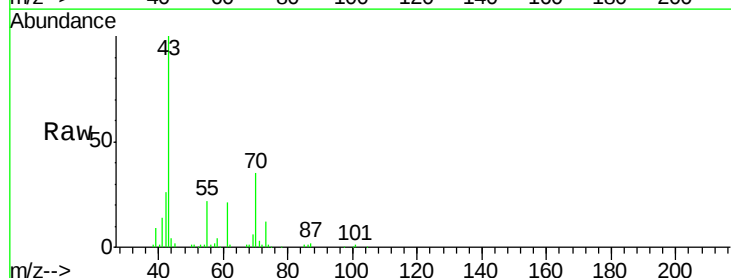
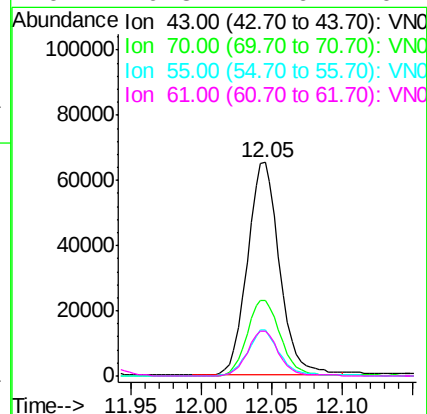
Ion Ratio Lower Upper

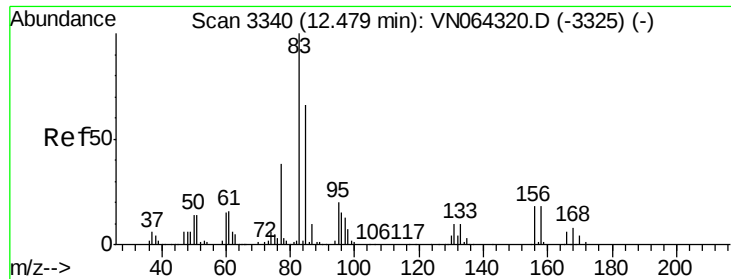
43 100

70 36.8 30.6 45.8

55 21.9 18.2 27.4

61 20.8 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.210 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

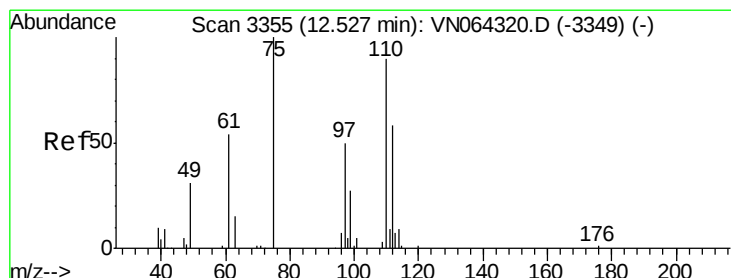
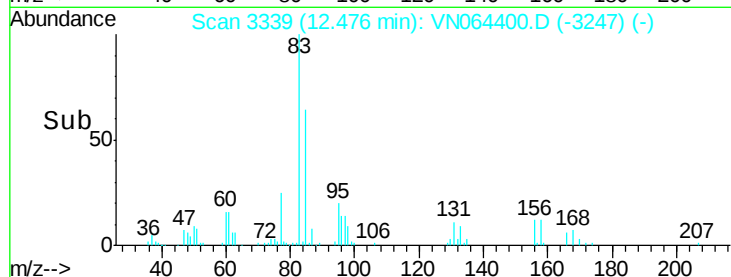
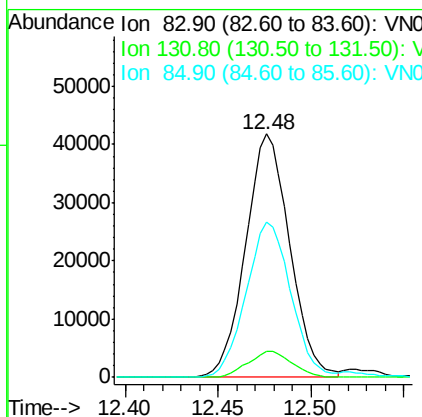
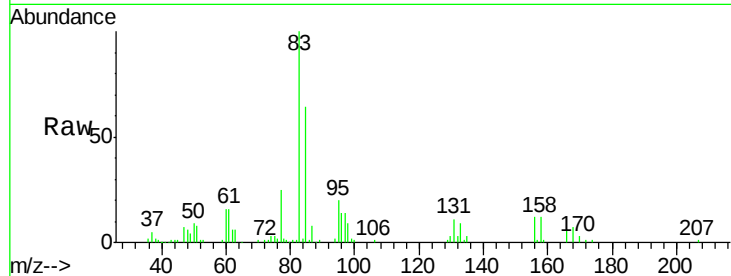
ClientSampleId :

VN1030MBS01

Tot Ion:	83	Resp:	69530
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	64.5	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 16.926 ug/l m

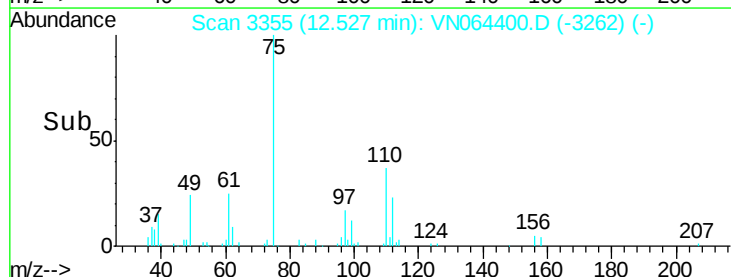
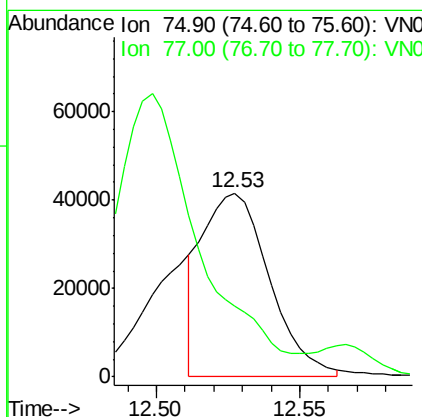
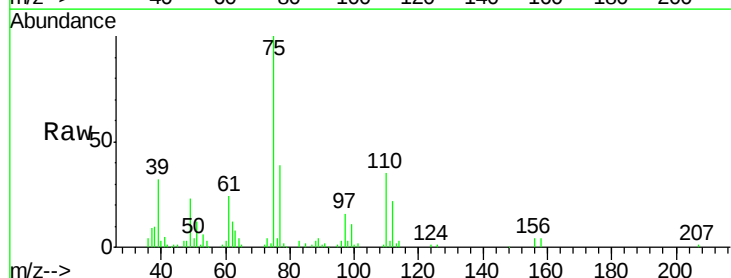
RT: 12.53 min Scan# 3355

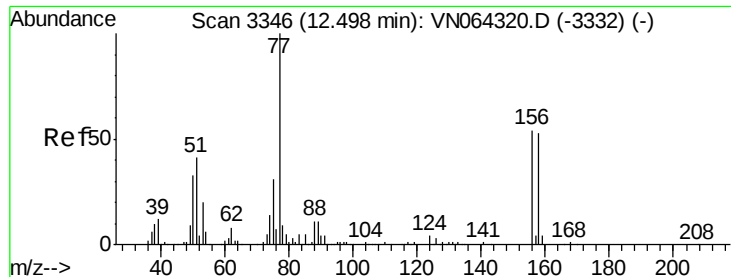
Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	75	Resp:	67390
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.840 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

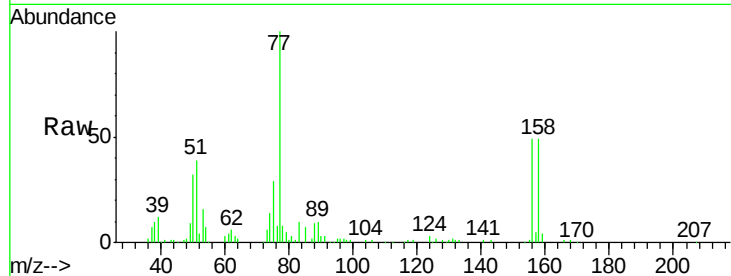
ClientSampleId :

VN1030MBS01

Tot Ion	156	Resp	57446
Ion Ratio	Lower	Upper	
156	100		
77	233.2	111.9	335.7
158	97.8	49.0	147.0

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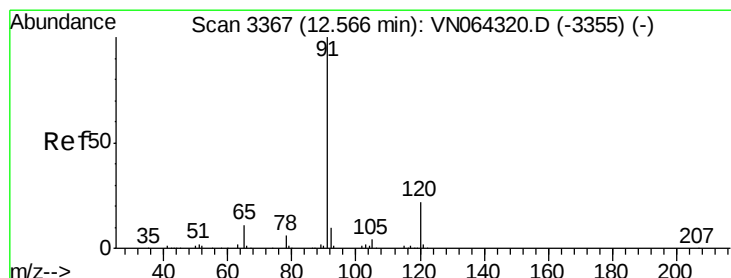
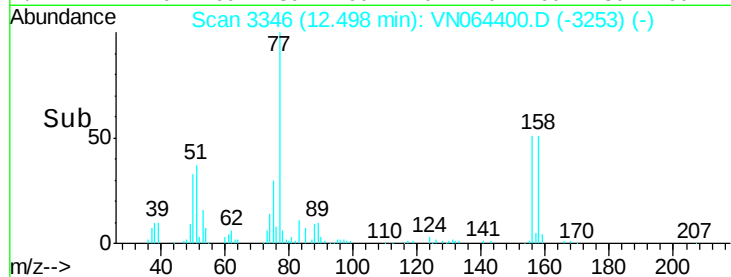
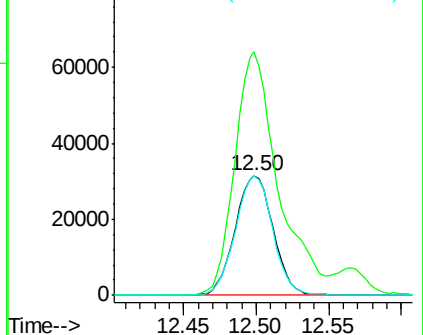
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.934 ug/l

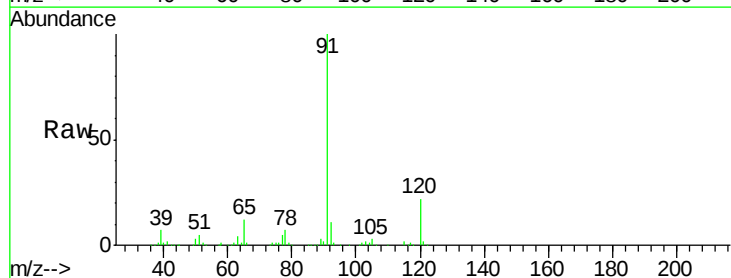
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064400.D

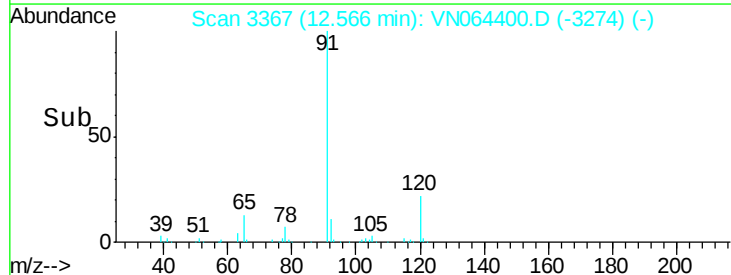
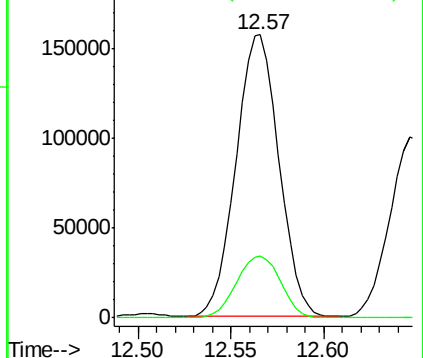
Acq: 30 Oct 2020 15:18

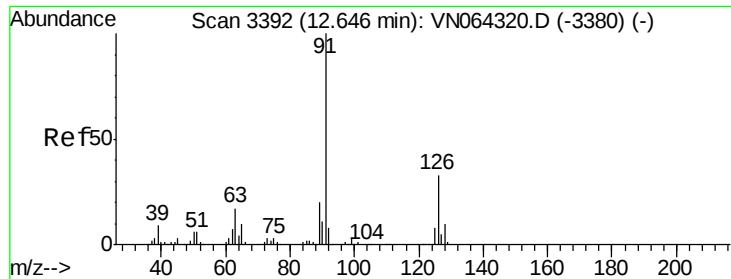
Tgt Ion	91	Resp	252822
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.441 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion: 91 Resp: 166190

Ion Ratio Lower Upper

91 100

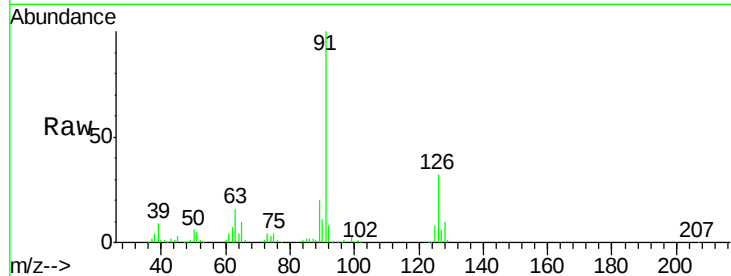
126 32.3 16.2 48.5

Manual Integrations

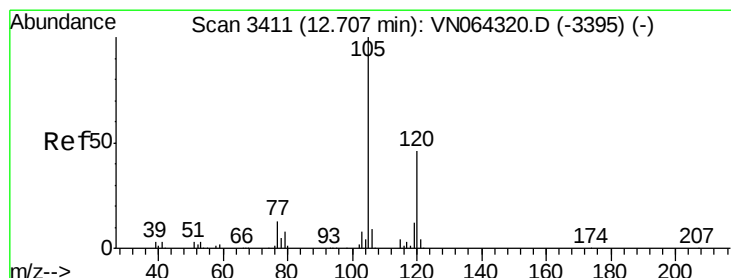
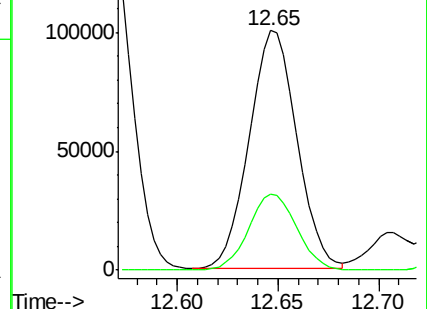
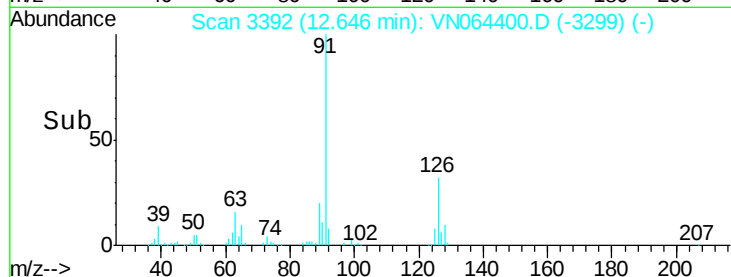
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Abundance Ion 91.00 (90.70 to 91.70): VN064400.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.269 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064400.D

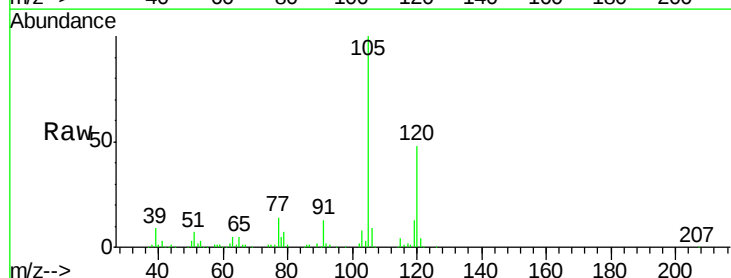
Acq: 30 Oct 2020 15:18

Tgt Ion: 105 Resp: 192492

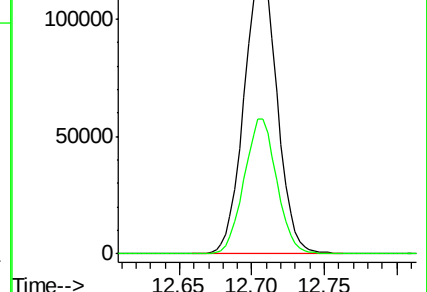
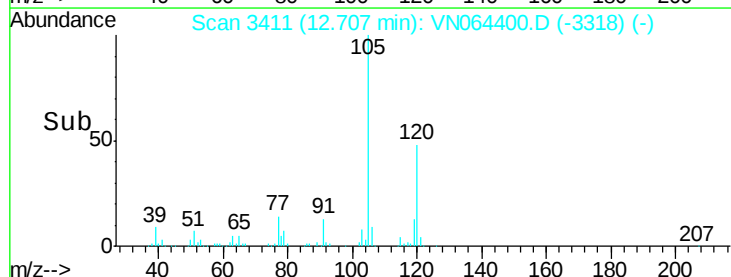
Ion Ratio Lower Upper

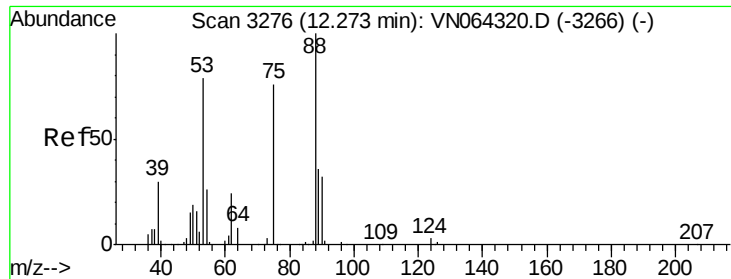
105 100

120 46.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064400.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.215 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

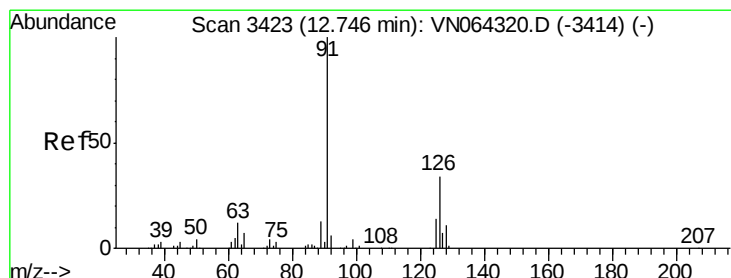
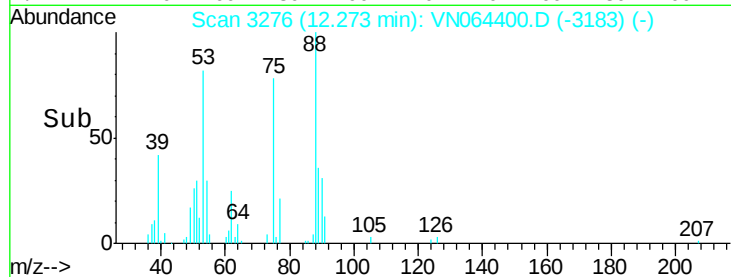
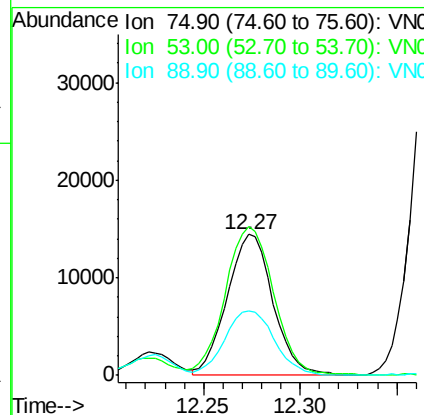
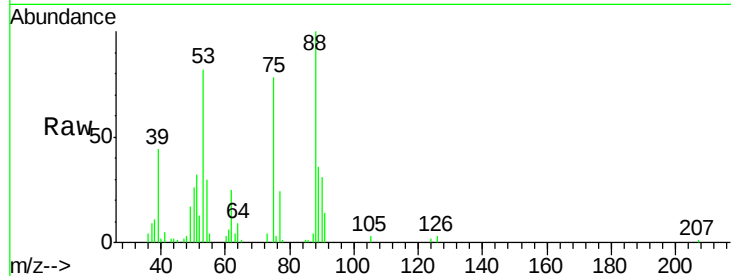
ClientSampleId :

VN1030MBS01

Tot Ion:	75	Resp:	23795
Ion	Ratio	Lower	Upper
75	100		
53	112.0	81.8	122.8
89	49.7	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.869 ug/l

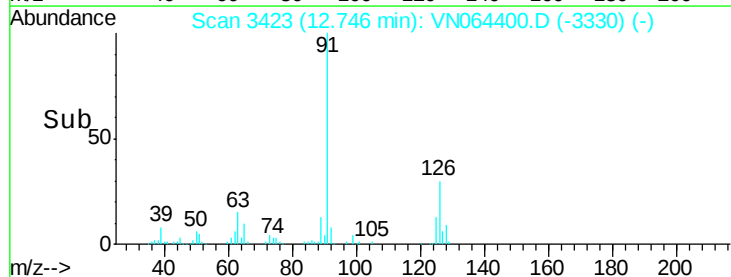
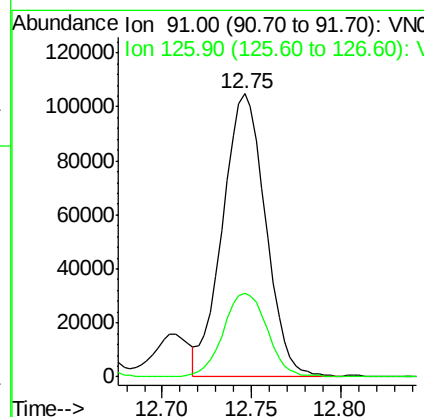
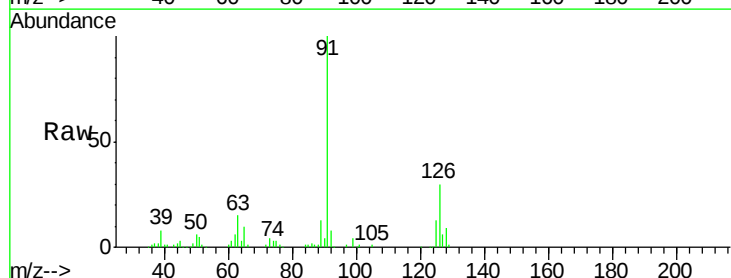
RT: 12.75 min Scan# 3423

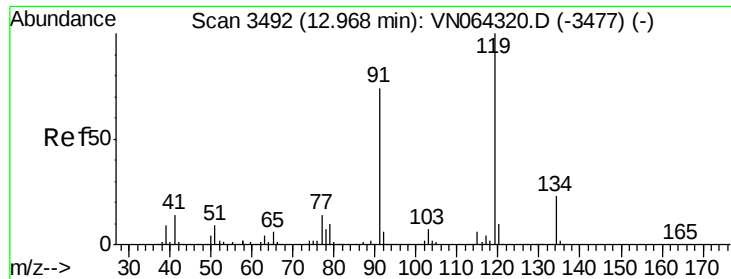
Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	91	Resp:	173225
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.8	47.3





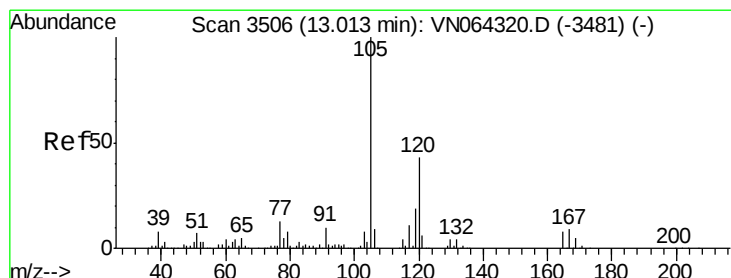
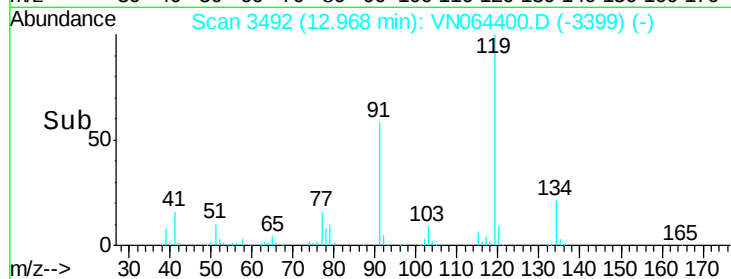
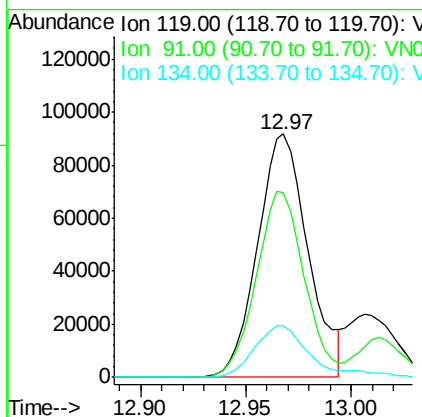
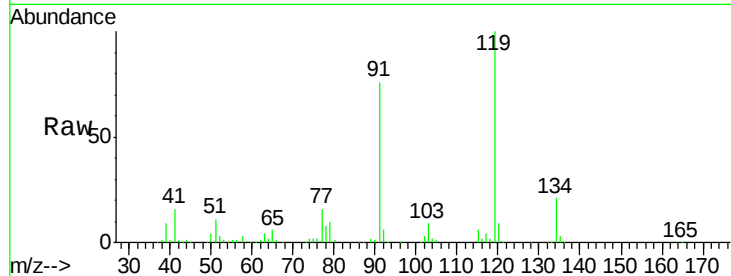
#83
tert-Butylbenzene
Concen: 17.613 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	152286		
91	72.9	36.4	109.1	
134	23.8	12.0	36.1	

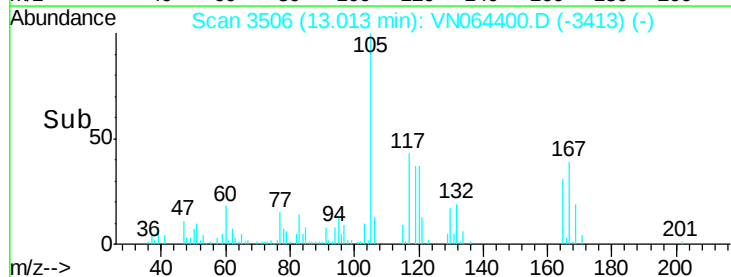
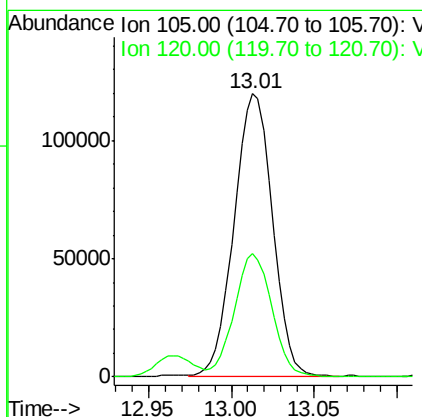
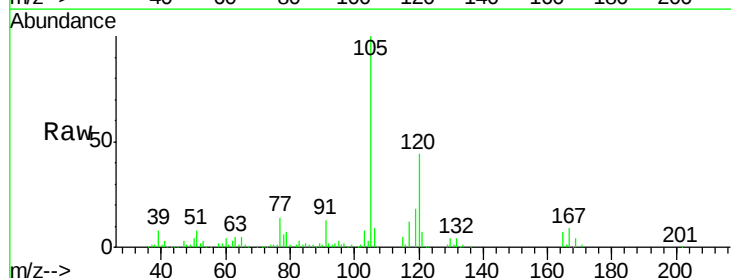
Manual Integrations
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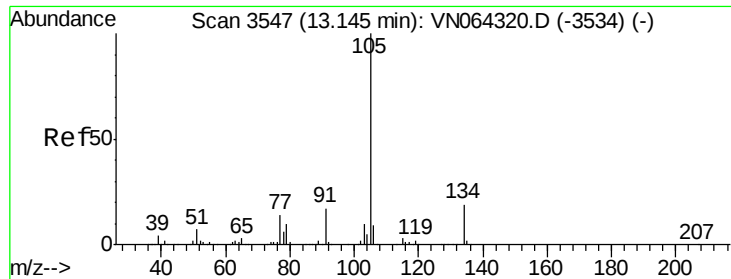
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#84
1,2,4-Trimethylbenzene
Concen: 18.293 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192588		
120	42.8	21.3	64.0	





#85

sec-Butylbenzene

Concen: 16.808 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN1030MBS01

Tot Ion:105 Resp: 188054

Ion Ratio Lower Upper

105 100

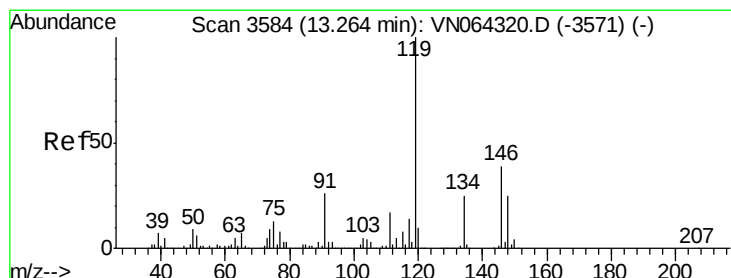
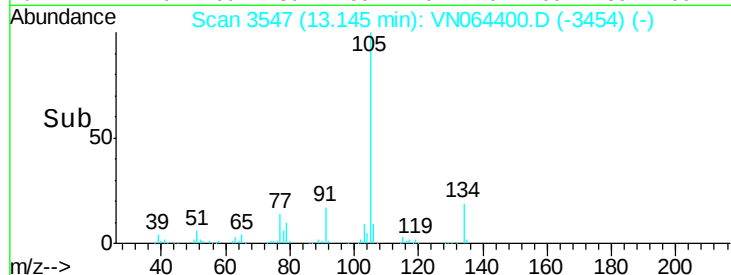
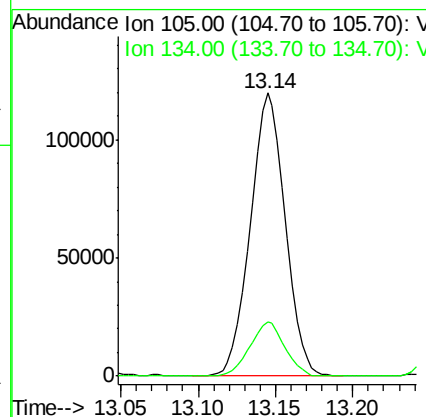
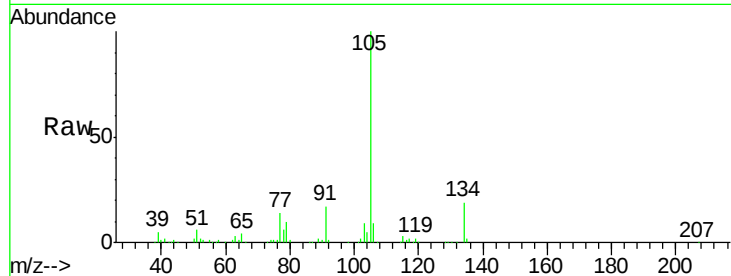
134 19.2 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 16.457 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

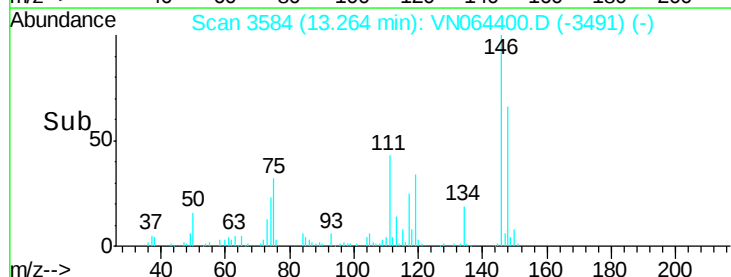
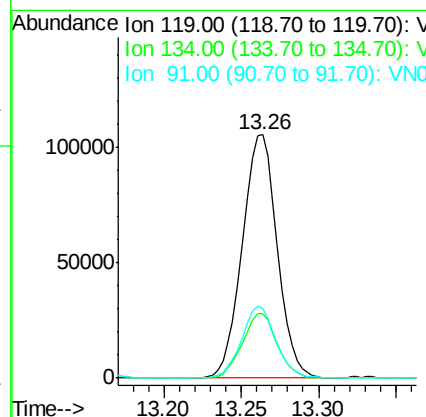
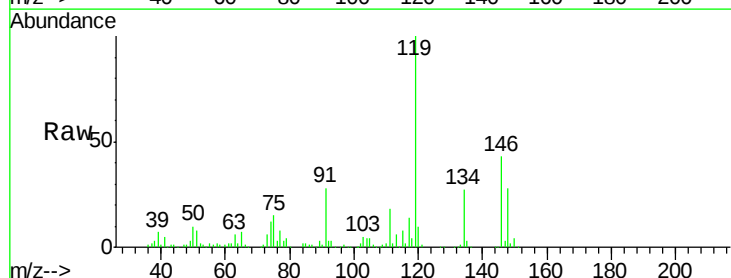
Tgt Ion:119 Resp: 165881

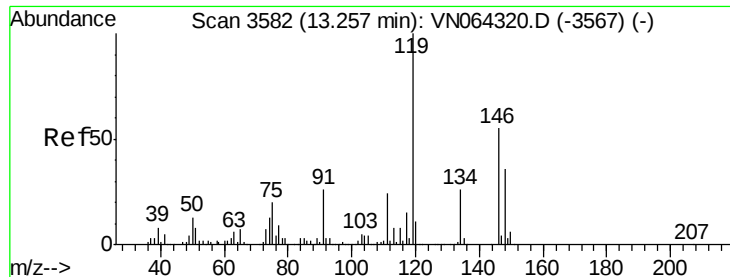
Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.4

91 29.0 13.0 38.9





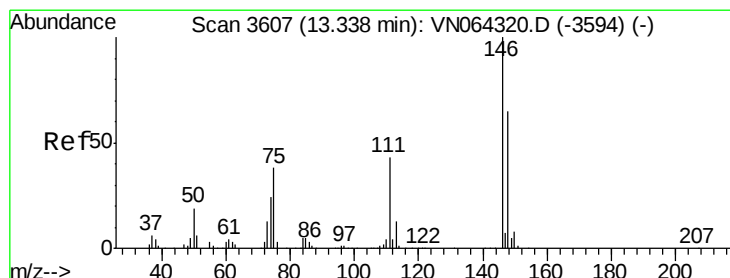
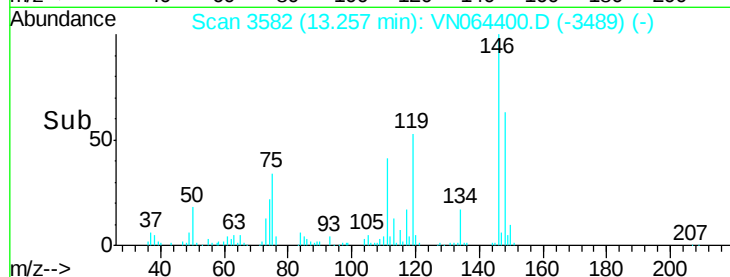
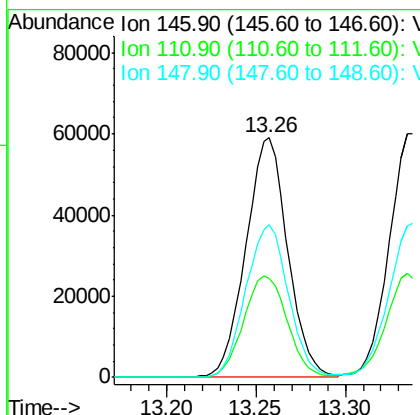
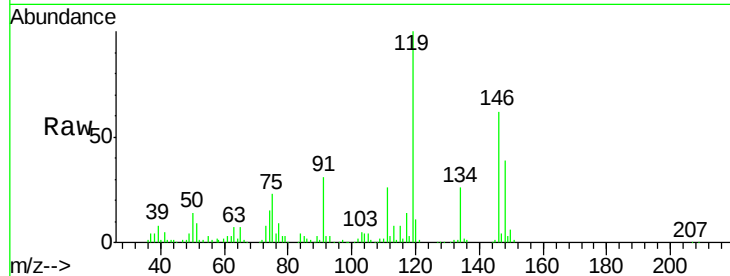
#87
 1,3-Dichlorobenzene
 Concen: 18.076 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.5
148	65.4	32.6	98.0

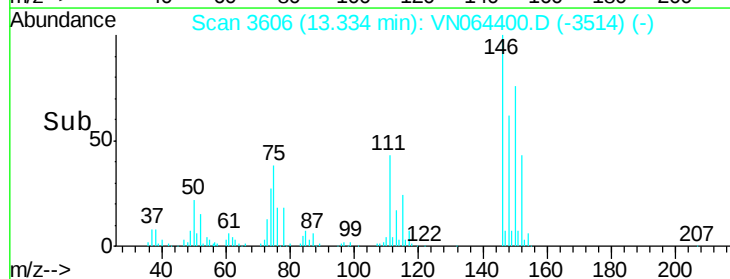
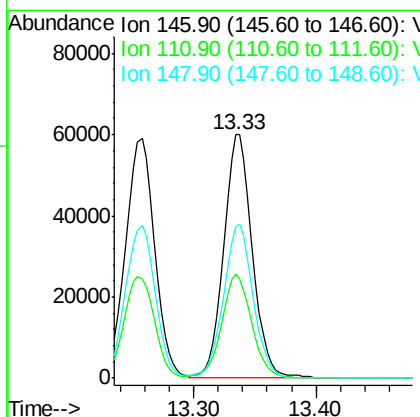
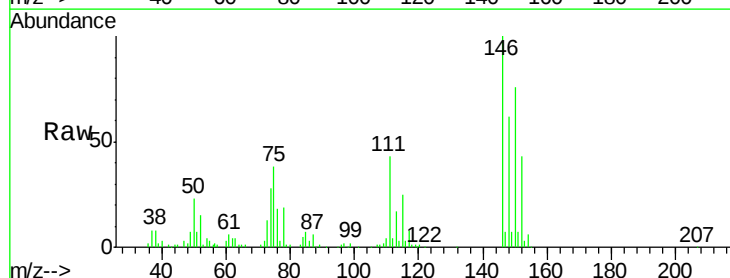
Manual Integrations
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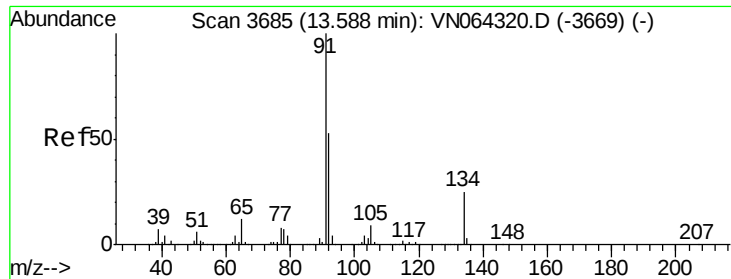
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#88
 1,4-Dichlorobenzene
 Concen: 18.170 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.8	65.4
148	65.0	31.8	95.3





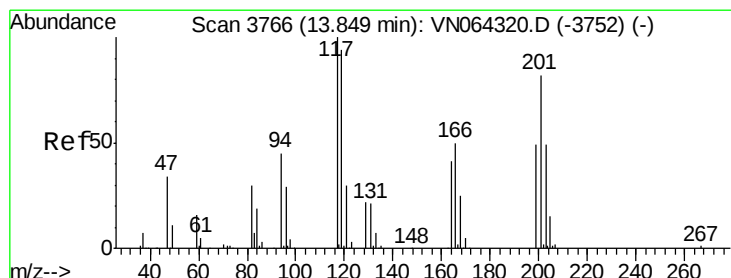
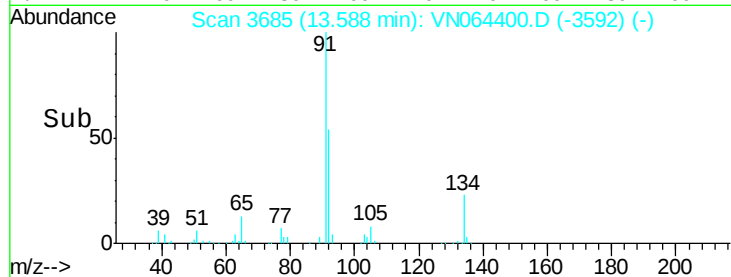
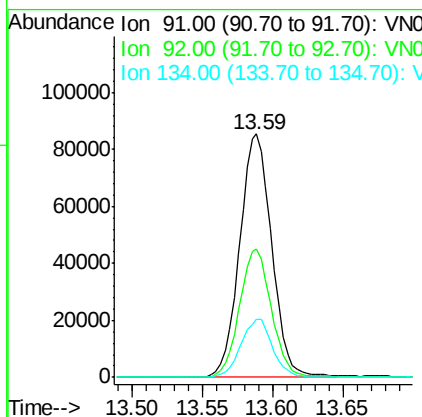
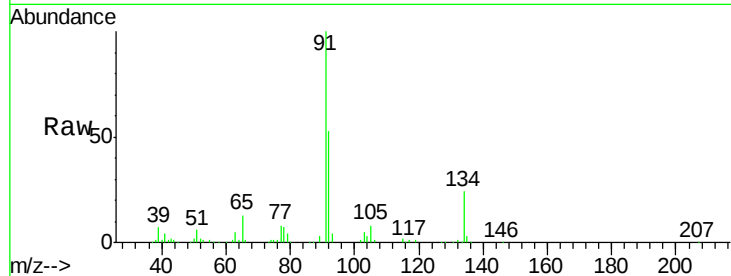
#89
n-Butylbenzene
Concen: 15.350 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN1030MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	23.4	12.4	37.4

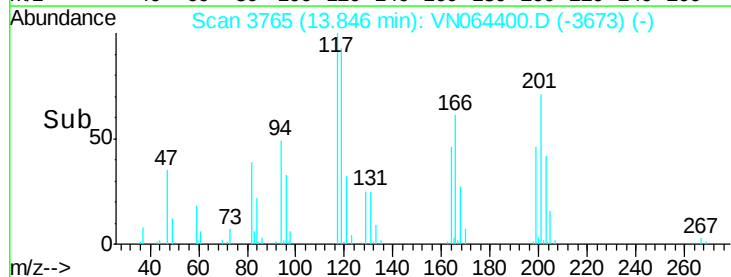
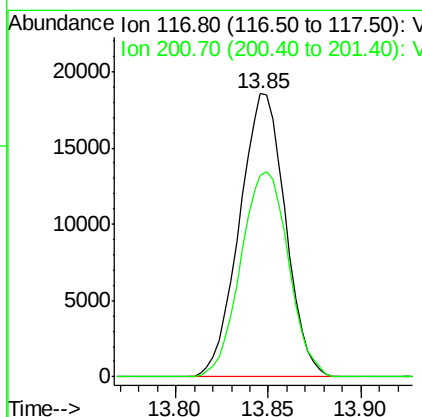
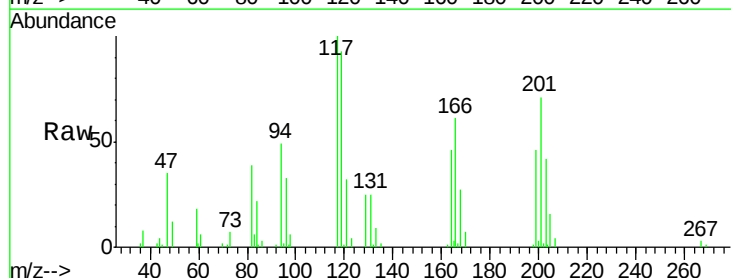
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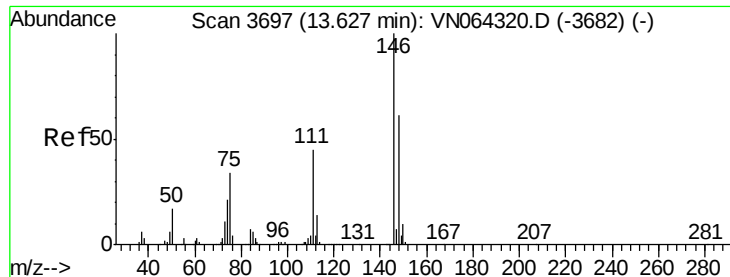
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#90
Hexachloroethane
Concen: 16.907 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064400.D
Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.3	39.8	119.3





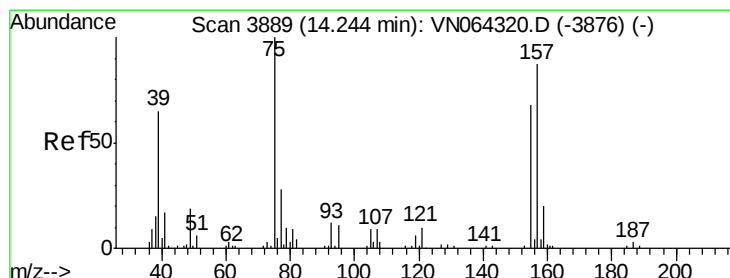
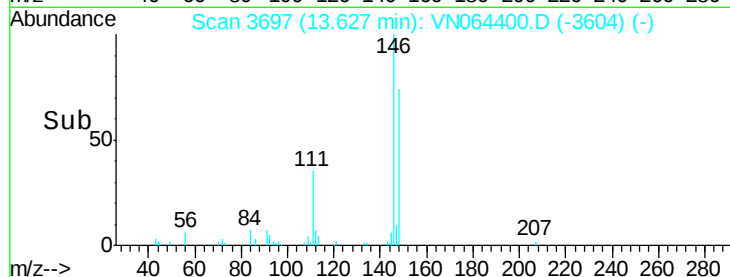
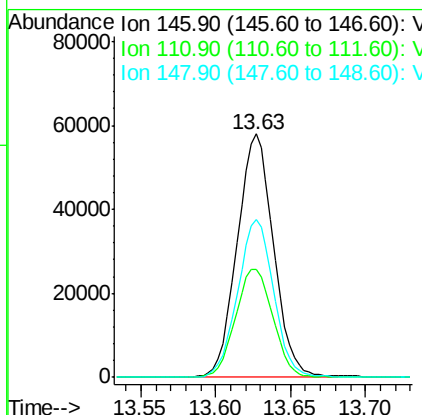
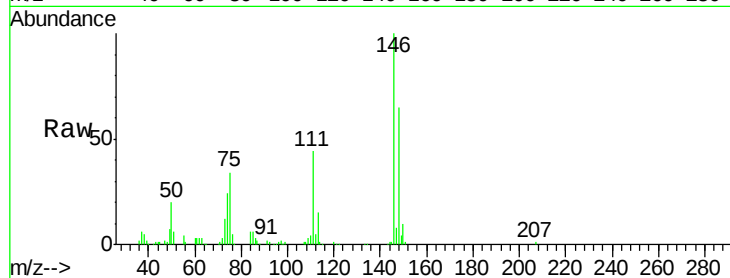
#91
 1,2-Dichlorobenzene
 Concen: 18.493 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.0	69.0
148	64.3	32.1	96.3

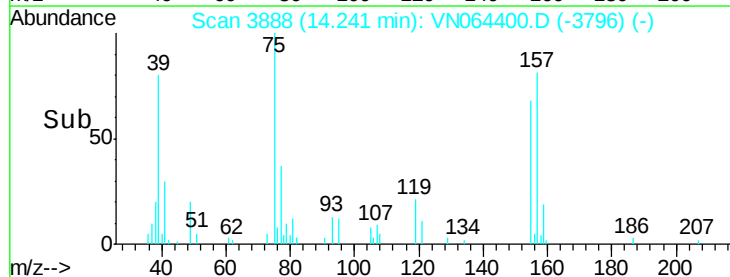
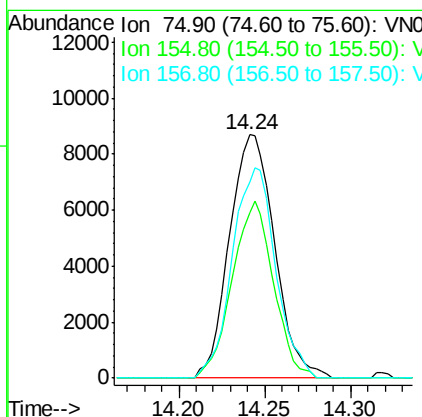
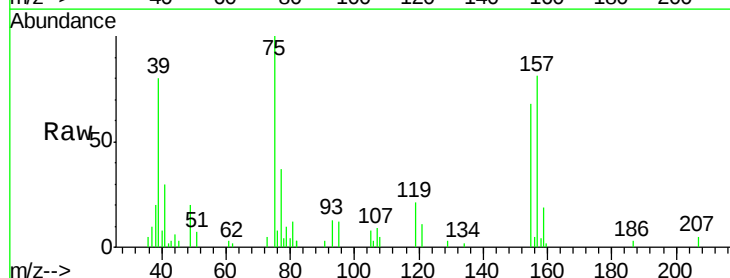
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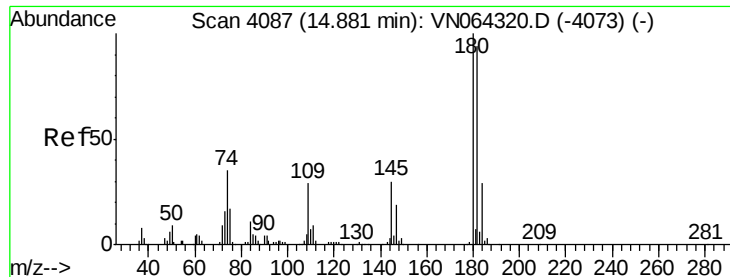
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.655 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.3	35.1	105.5
157	83.0	43.2	129.6





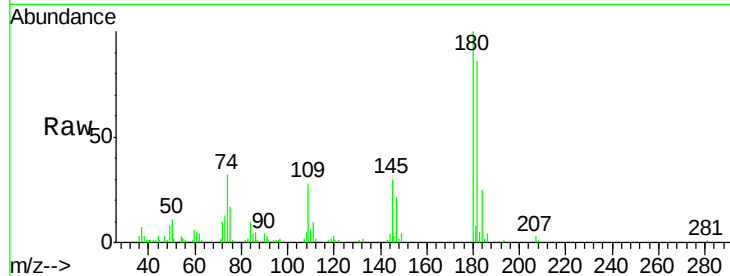
#93
 1,2,4-Trichlorobenzene
 Concen: 15.156 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030MBS01

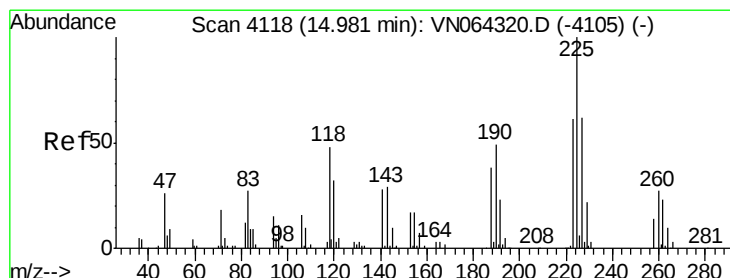
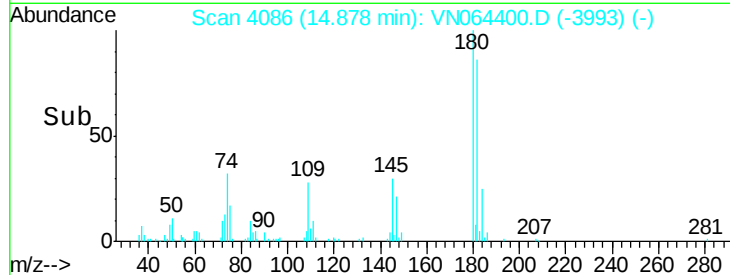
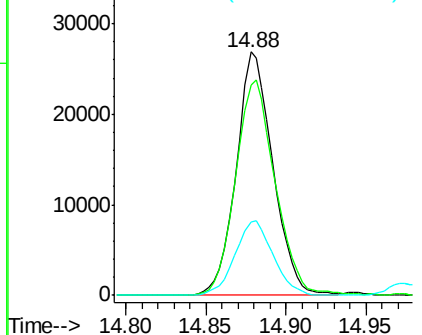
Tot Ion	Ratio	Resp	Lower	Upper
180	100	41757		
182	96.2	46.6	139.7	
145	31.9	15.3	45.9	

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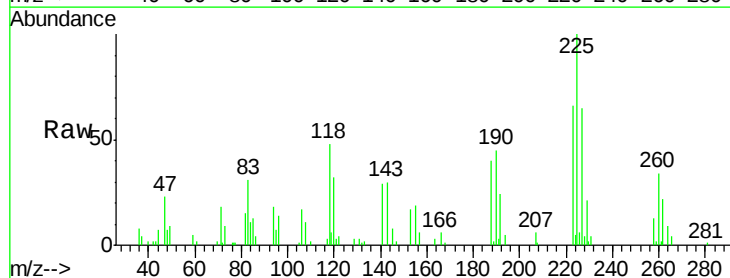


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

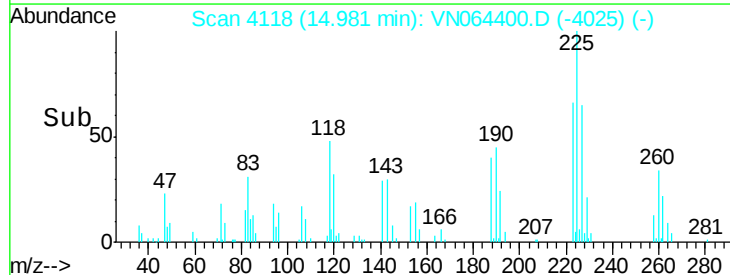
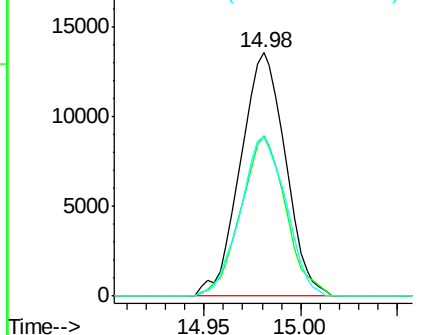


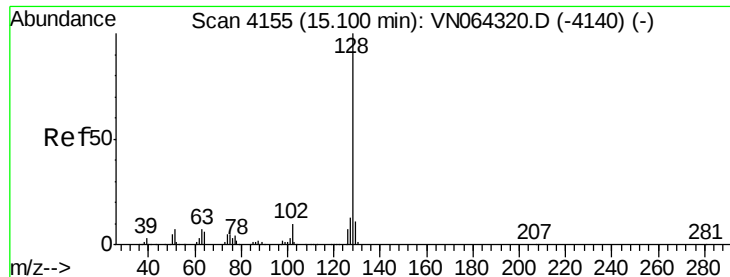
#94
 Hexachlorobutadiene
 Concen: 13.488 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064400.D
 Acq: 30 Oct 2020 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21966		
223	65.5	31.3	93.8	
227	66.4	32.3	96.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.393 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Instrument :

MSVOA_N

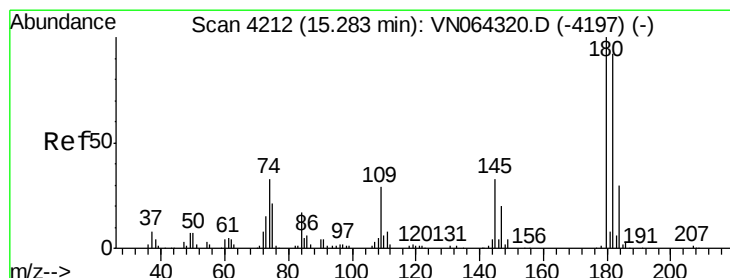
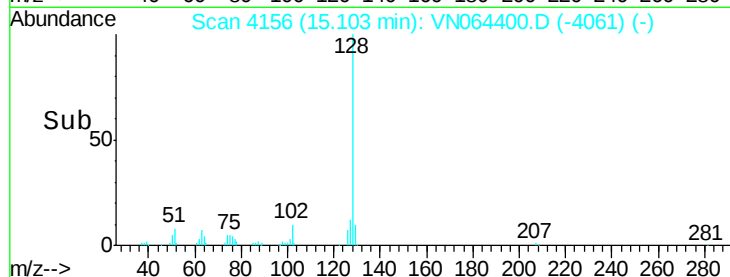
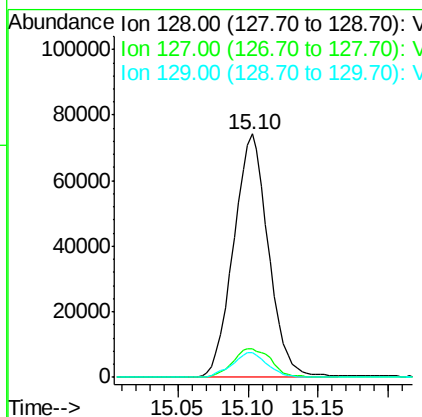
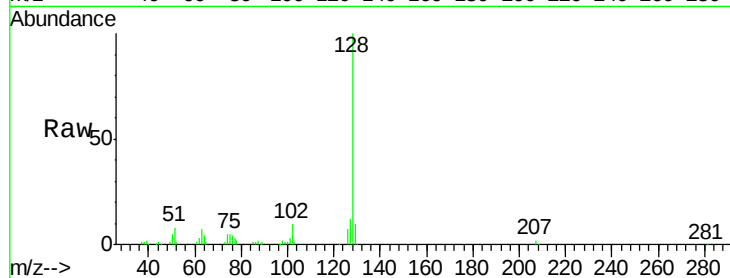
ClientSampleId :

VN1030MBS01

Tot Ion:	128	Resp:	128326
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.3	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 15.598 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064400.D

Acq: 30 Oct 2020 15:18

Tgt Ion:	180	Resp:	41244
Ion Ratio	Lower	Upper	
180	100		
182	97.9	46.1	138.3
145	34.2	16.2	48.5

