

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101320\
 Data File : VN064100.D
 Acq On : 13 Oct 2020 14:35
 Operator : JC/MD
 Sample : VN1013WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:09:10 PM

Quant Time: Oct 14 04:03:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	244328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	413209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	377425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	192970	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.55	113	138271	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	10.06	98	513113	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	12.38	95	186481	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39387	15.278	ug/l	100
3) Chloromethane	2.04	50	53473	17.677	ug/l	98
4) Vinyl Chloride	2.16	62	51446	16.943	ug/l	99
5) Bromomethane	2.53	94	33546	17.564	ug/l	100
6) Chloroethane	2.67	64	33892	18.679	ug/l	100
7) Trichlorofluoromethane	2.98	101	85377	17.728	ug/l	97
8) Diethyl Ether	3.37	74	32081	19.697	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47091	18.295	ug/l	99
10) Methyl Iodide	3.91	142	54062	18.089	ug/l	99
11) Tert butyl alcohol	4.74	59	55281	124.049	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	45401	18.453	ug/l	92
13) Acrolein	3.57	56	25233	92.257	ug/l	99
14) Allyl chloride	4.28	41	92879	20.320	ug/l	91
15) Acrylonitrile	4.93	53	145851	114.338	ug/l	99
16) Acetone	3.77	43	143209	115.254	ug/l	100
17) Carbon Disulfide	4.01	76	113963	17.598	ug/l	96
18) Methyl Acetate	4.28	43	82722	25.641	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	170995	19.130	ug/l	99
20) Methylene Chloride	4.50	84	57861	20.388	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	48992	17.778	ug/l	99
22) Diisopropyl ether	5.90	45	200791	21.351	ug/l	96
23) Vinyl Acetate	5.84	43	810888	104.093	ug/l	100
24) 1,1-Dichloroethane	5.80	63	106949	19.890	ug/l	99
25) 2-Butanone	6.79	43	211374	119.987	ug/l	97
26) 2,2-Dichloropropane	6.77	77	91794	18.642	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	57897	18.267	ug/l	95
28) Bromochloromethane	7.15	49	53487	20.126	ug/l	97
29) Tetrahydrofuran	7.16	42	143400	121.369	ug/l	96
30) Chloroform	7.33	83	109912	19.604	ug/l	94
31) Cyclohexane	7.61	56	84321	17.994	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	96944	19.170	ug/l	98
36) 1,1-Dichloropropene	7.75	75	75815	18.111	ug/l	98
37) Ethyl Acetate	6.88	43	88183	21.203	ug/l	100
38) Carbon Tetrachloride	7.73	117	81711	17.407	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	66559	15.944	ug/l	91
40) Benzene	8.00	78	225479	18.858	ug/l	98
41) Methacrylonitrile	7.12	41	34472m	18.649	ug/l	
42) 1,2-Dichloroethane	8.08	62	93358	18.291	ug/l	98
43) Isopropyl Acetate	8.13	43	145219	21.168	ug/l #	91
44) Trichloroethene	8.80	130	56589	18.063	ug/l	98
45) 1,2-Dichloropropane	9.08	63	62999	19.509	ug/l	98
46) Dibromomethane	9.18	93	41221	18.504	ug/l	98
47) Bromodichloromethane	9.37	83	87066	18.964	ug/l	97
48) Methyl methacrylate	9.17	41	71489	21.092	ug/l	90
49) 1,4-Dioxane	9.16	88	21527	446.893	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	460576	114.404	ug/l	100
52) Toluene	10.13	92	138884	18.779	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	90648	18.419	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	99425	19.318	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	57471	19.377	ug/l	97
56) Ethyl methacrylate	10.40	69	83173	19.784	ug/l	94
57) 1,3-Dichloropropane	10.68	76	98140	19.558	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	223746	99.495	ug/l	100
59) 2-Hexanone	10.72	43	328652	109.893	ug/l	98
60) Dibromochloromethane	10.87	129	65184	18.872	ug/l	99
61) 1,2-Dibromoethane	10.98	107	58221	19.190	ug/l	98
64) Tetrachloroethene	10.60	164	51814	17.744	ug/l	98
65) Chlorobenzene	11.41	112	146670	18.944	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.48	131	58272	19.633	ug/l	99
67) Ethyl Benzene	11.48	91	258799	18.370	ug/l	99
68) m/p-Xylenes	11.60	106	189262	36.046	ug/l	99
69) o-Xylene	11.92	106	91697	18.685	ug/l	97
70) Styrene	11.94	104	152915	18.356	ug/l	99
71) Bromoform	12.10	173	43757	19.276	ug/l #	97
73) Isopropylbenzene	12.23	105	240587	19.318	ug/l	99
74) N-amyl acetate	12.05	43	115007	21.204	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	85083	22.342	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	80779m	21.462	ug/l	
77) Bromobenzene	12.50	156	61619	20.164	ug/l	96
78) n-propylbenzene	12.57	91	273560	18.874	ug/l	99
79) 2-Chlorotoluene	12.65	91	172333	19.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	205718	19.690	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	27667	21.171	ug/l	98
82) 4-Chlorotoluene	12.75	91	179470	19.395	ug/l	99
83) tert-Butylbenzene	12.97	119	163745	19.160	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	199765	19.150	ug/l	96
85) sec-Butylbenzene	13.15	105	212103	18.896	ug/l	99
86) p-Isopropyltoluene	13.26	119	184655	18.595	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	102367	18.517	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	102871	17.871	ug/l	99
89) n-Butylbenzene	13.59	91	147529	16.097	ug/l	97
90) Hexachloroethane	13.85	117	37634	19.558	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	105691	19.302	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18272	20.459	ug/l	99

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QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	42265	15.438	ug/l	95
94) Hexachlorobutadiene	14.98	225	27289	18.423	ug/l	96
95) Naphthalene	15.10	128	121998	14.657	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	41526	15.497	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion:168 Resp: 244328

Ion Ratio Lower Upper

168 100

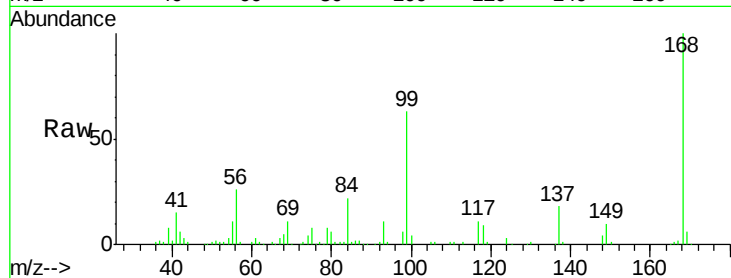
99 62.3 51.8 77.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

60000

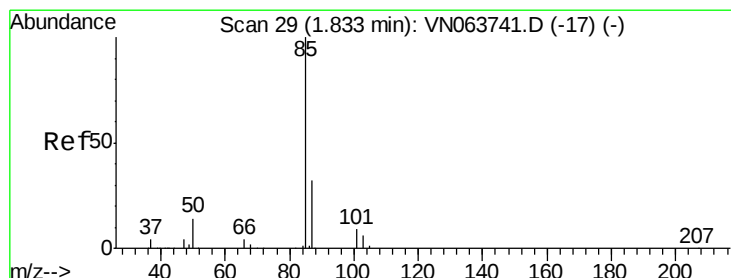
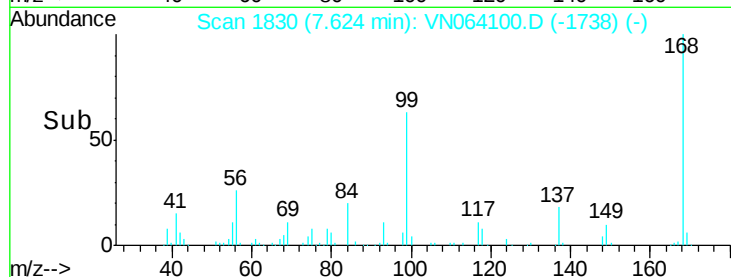
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.278 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064100.D

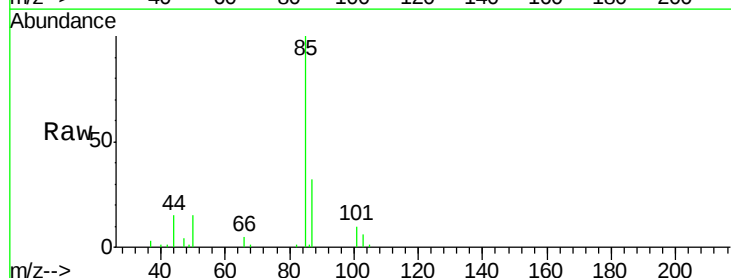
Acq: 13 Oct 2020 14:35

Tgt Ion: 85 Resp: 39387

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

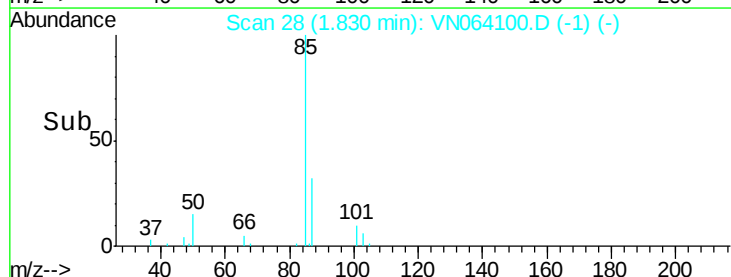
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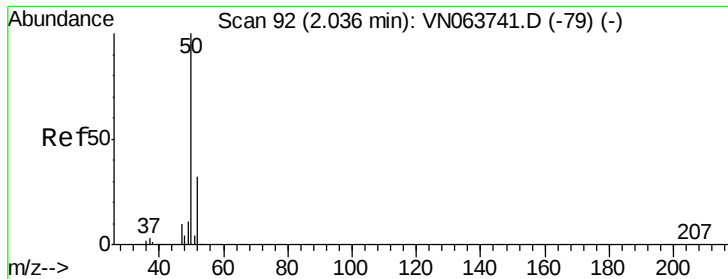
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.677 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion: 50 Resp: 53473

Ion Ratio Lower Upper

50 100

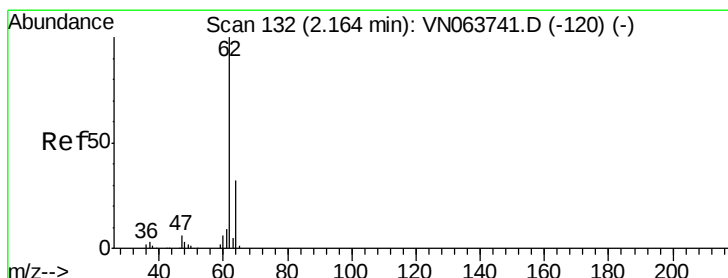
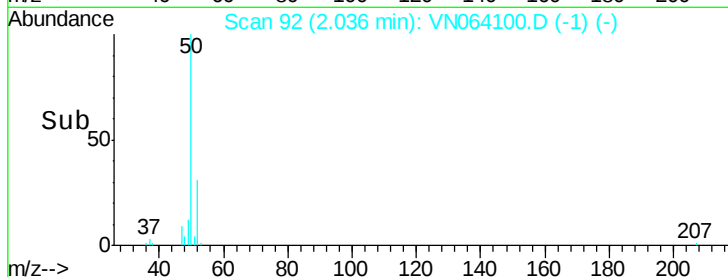
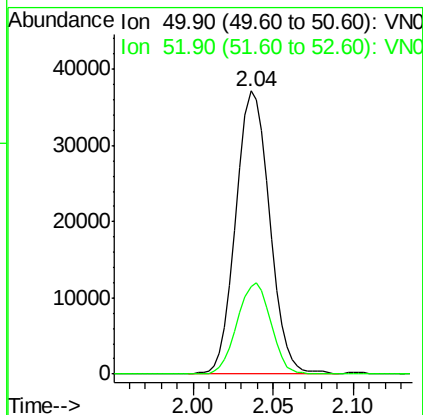
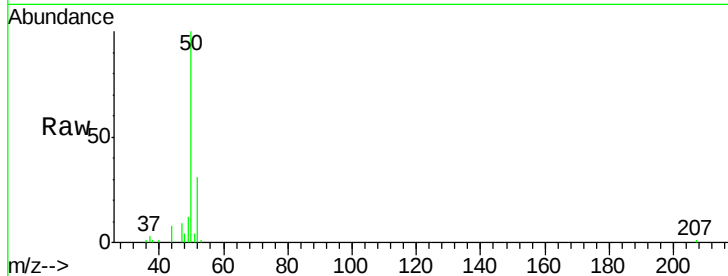
52 31.1 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.943 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064100.D

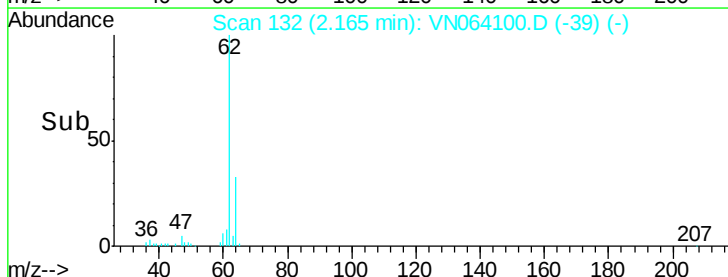
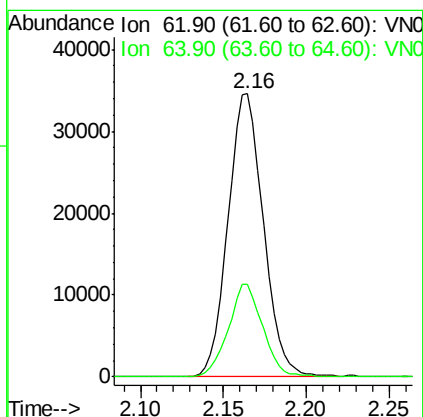
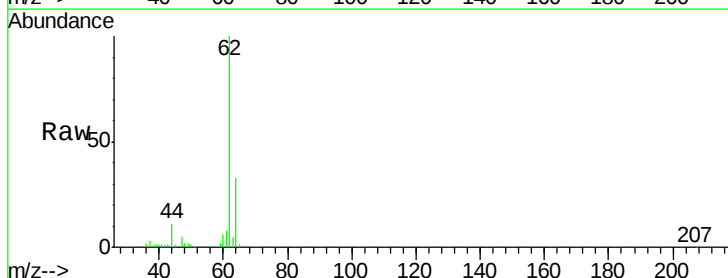
Acq: 13 Oct 2020 14:35

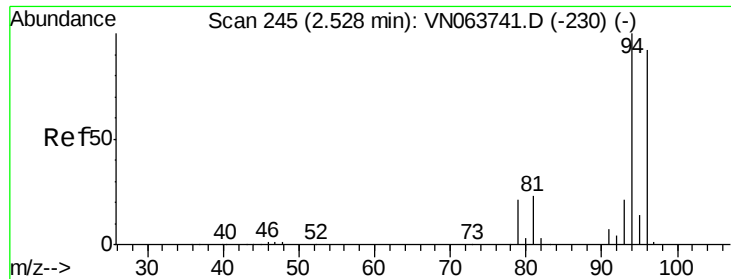
Tgt Ion: 62 Resp: 51446

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





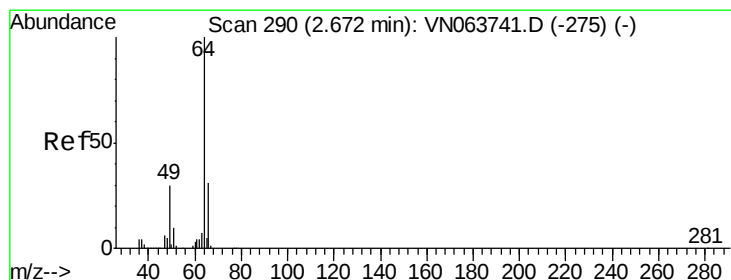
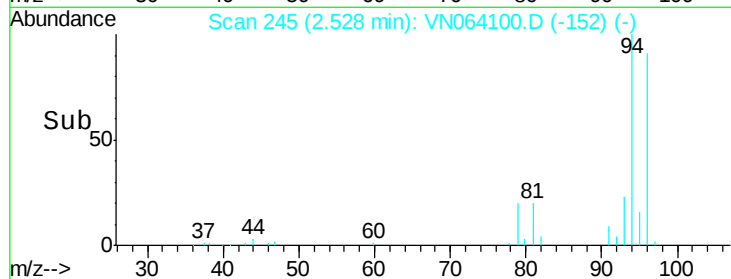
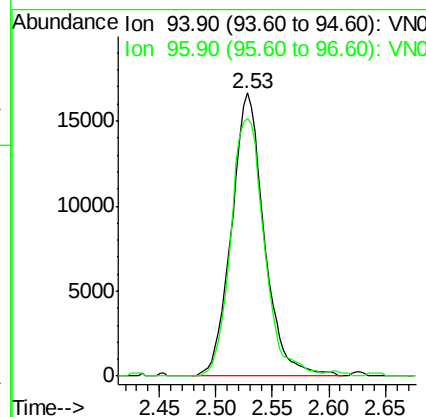
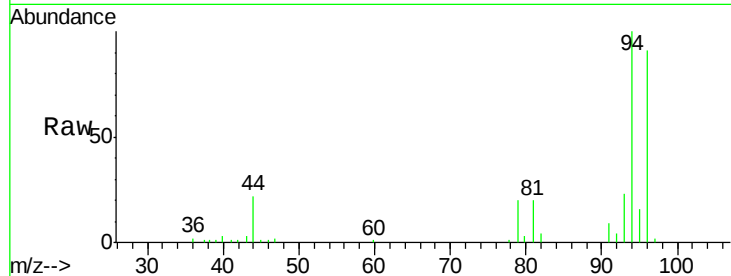
#5
Bromomethane
Concen: 17.564 ug/l
RT: 2.53 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
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Tot Ion: 94 Resp: 33546
Ion Ratio Lower Upper
94 100
96 91.2 73.3 109.9

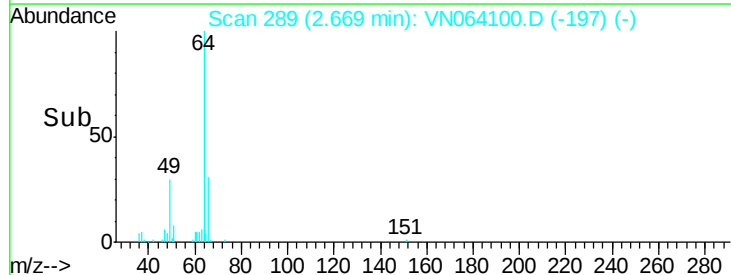
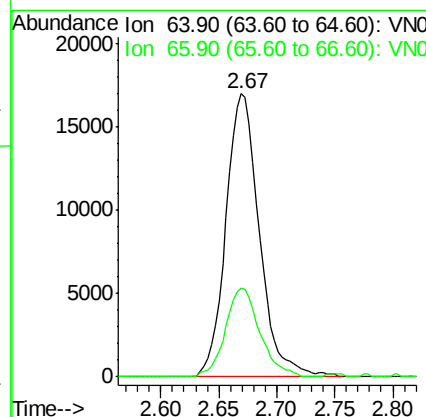
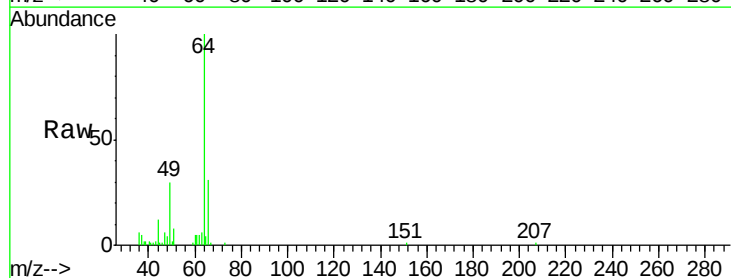
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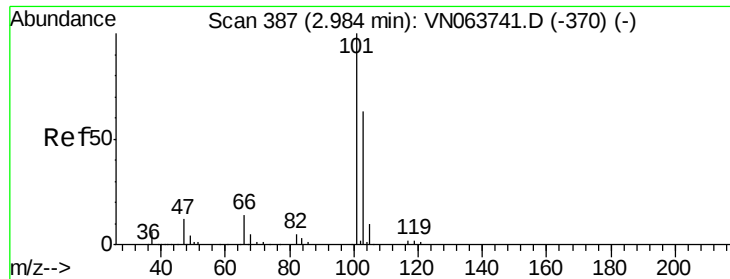
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#6
Chloroethane
Concen: 18.679 ug/l
RT: 2.67 min Scan# 289
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 64 Resp: 33892
Ion Ratio Lower Upper
64 100
66 31.3 25.1 37.7





#7

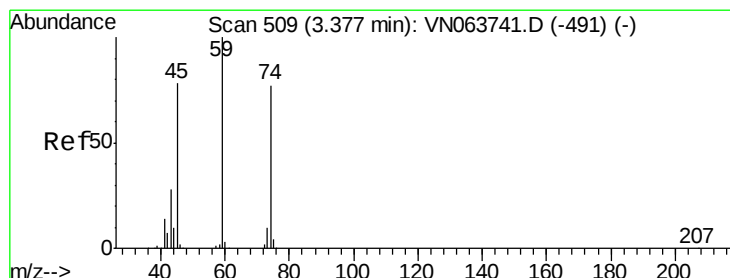
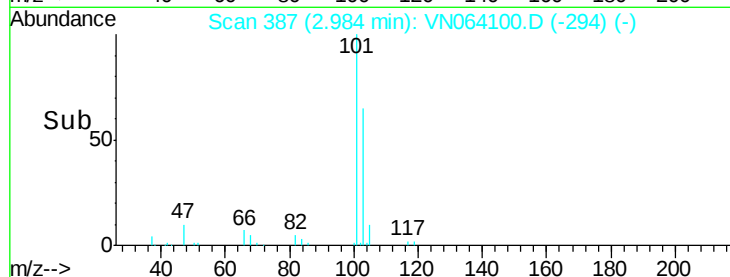
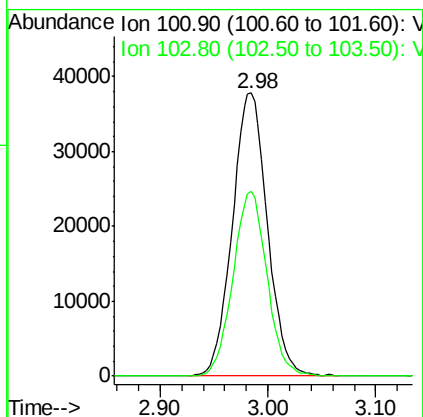
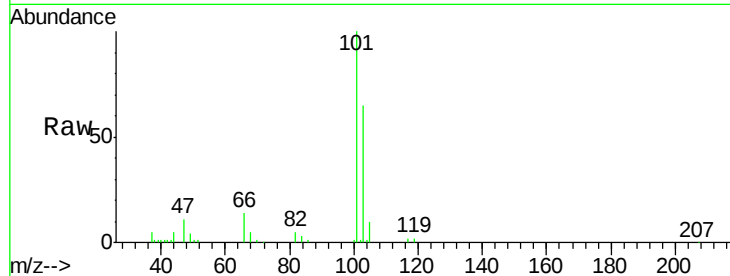
Trichlorofluoromethane
 Concen: 17.728 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.7	76.1

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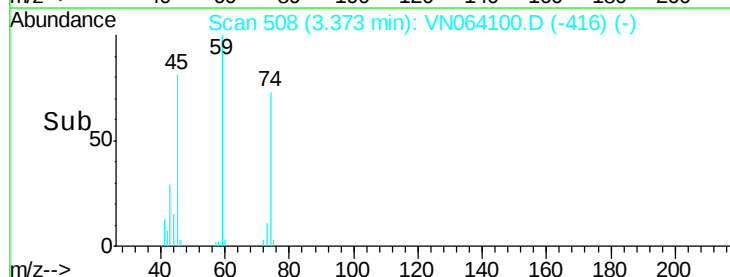
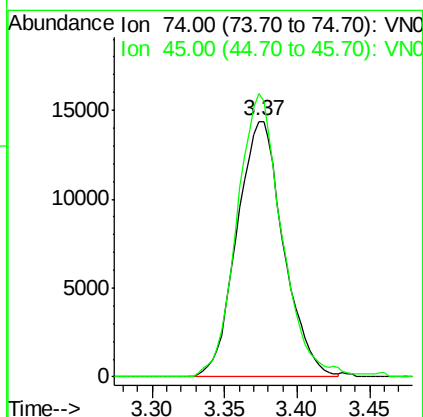
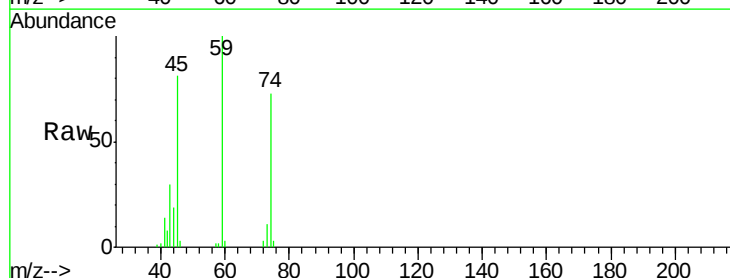
MMDadoda
 10/14/2020 2:09:10 PM



#8

Diethyl Ether
 Concen: 19.697 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.3	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.295 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

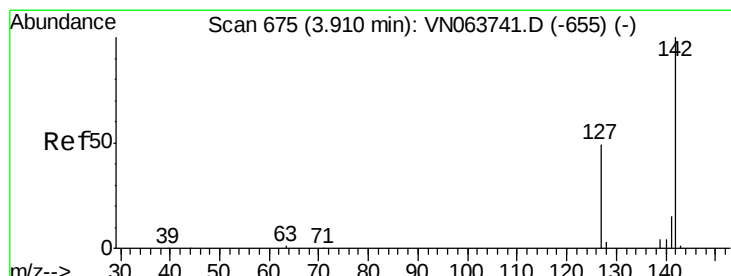
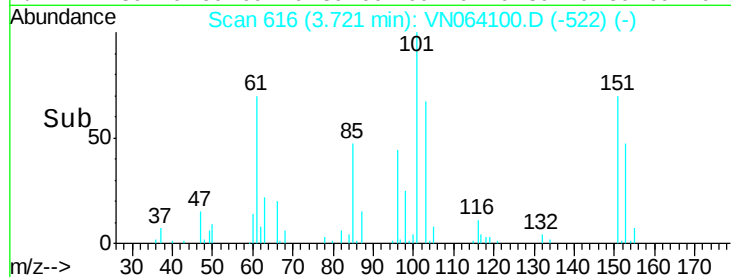
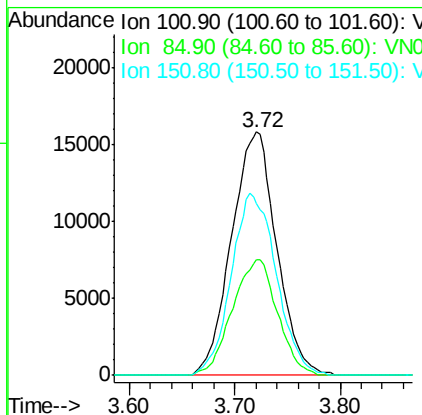
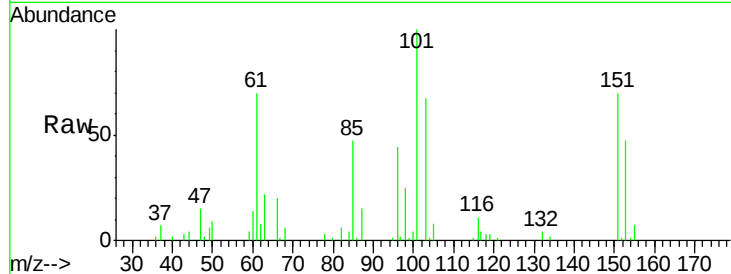
ClientSampleId :

VN1013WBS01

Tot Ion:	101	Resp:	47091
Ion Ratio	Lower	Upper	
101	100		
85	47.5	38.6	58.0
151	74.7	58.7	88.1

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#10

Methyl Iodide

Concen: 18.089 ug/l

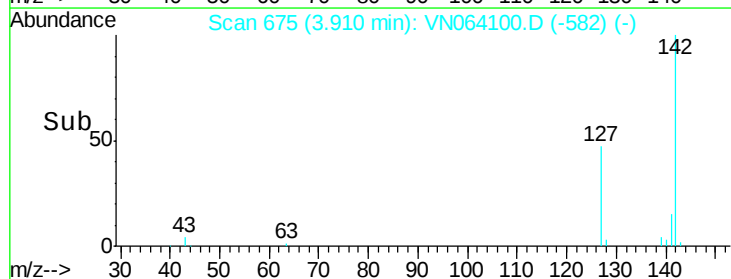
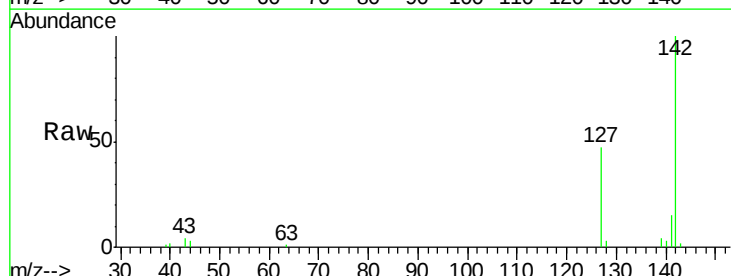
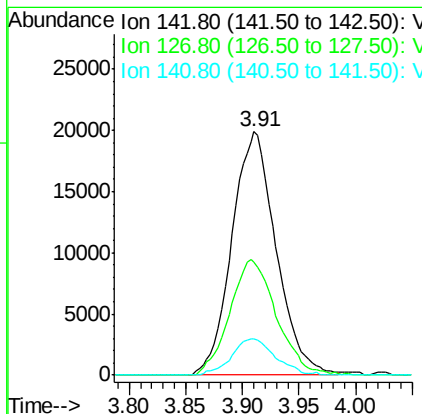
RT: 3.91 min Scan# 675

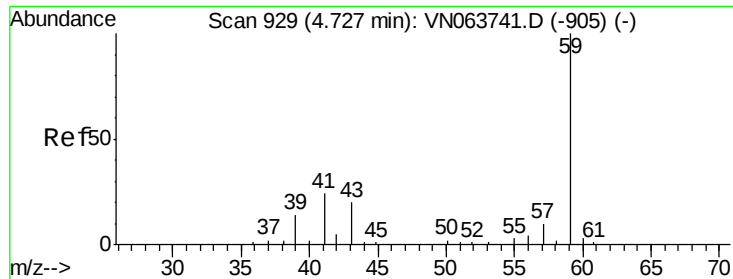
Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion:	142	Resp:	54062
Ion Ratio	Lower	Upper	
142	100		
127	50.0	40.5	60.7
141	14.7	11.7	17.5





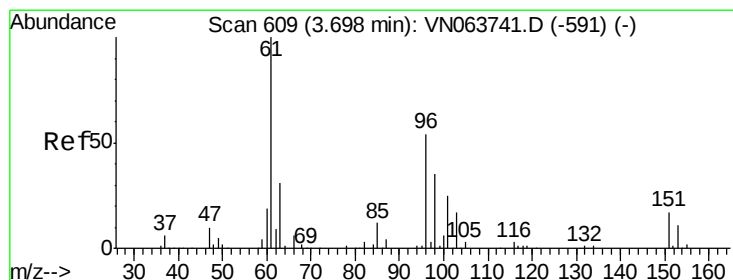
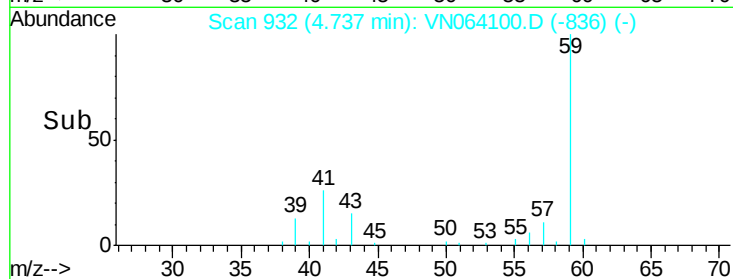
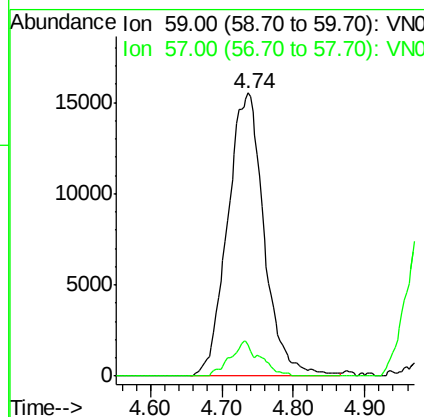
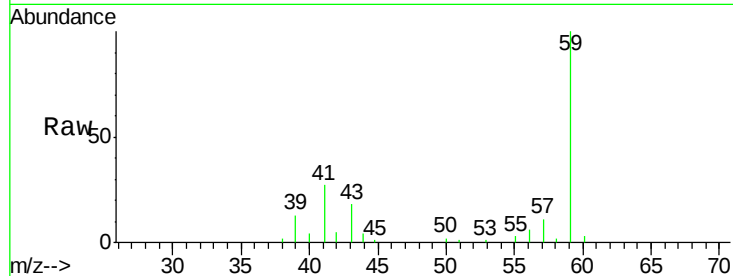
#11
Tert butyl alcohol
Concen: 124.049 ug/l
RT: 4.74 min Scan# 932
Delta R.T. 0.01 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion: 59 Resp: 55281
Ion Ratio Lower Upper
59 100
57 7.3 8.7 13.1#

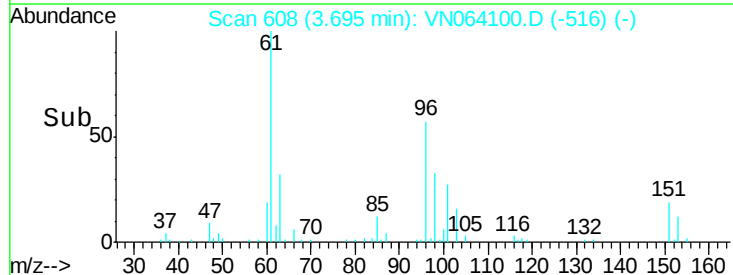
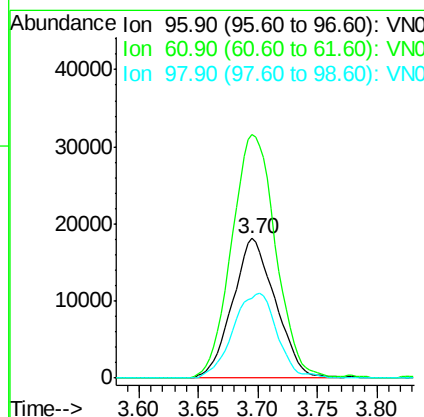
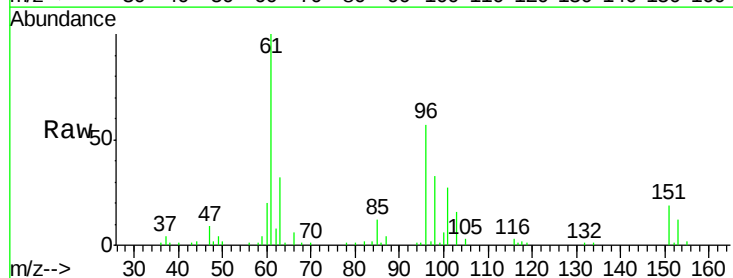
Manual Integrations
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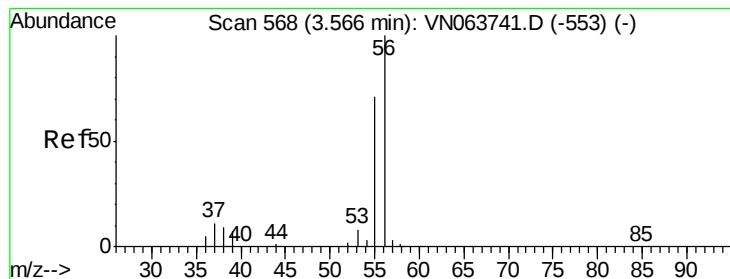
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.453 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 96 Resp: 45401
Ion Ratio Lower Upper
96 100
61 174.3 147.7 221.5
98 57.4 51.9 77.9





#13

Acrolein

Concen: 92.257 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion: 56 Resp: 25233

Ion Ratio Lower Upper

56 100

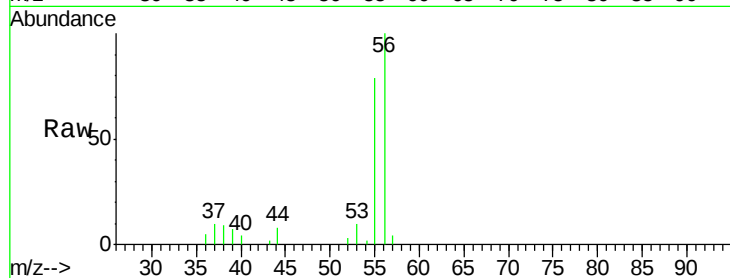
55 72.0 56.9 85.3

Manual Integrations

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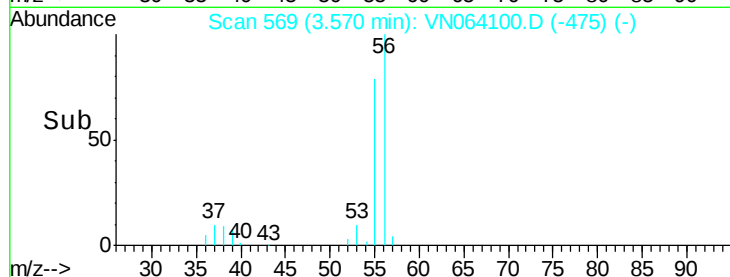


Abundance Ion 56.00 (55.70 to 56.70): VN064100.D (-475) (-)

Ion 55.00 (54.70 to 55.70): VN064100.D (-475) (-)

3.57

Time-->



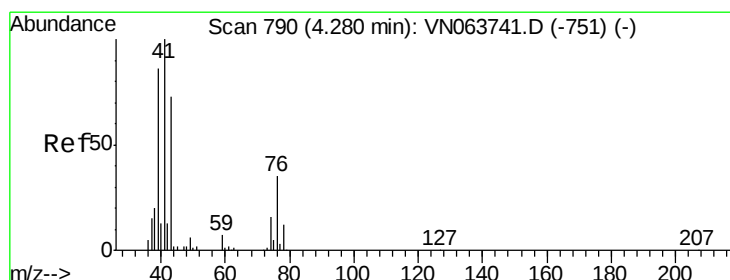
Abundance

Ion 56.00 (55.70 to 56.70): VN064100.D (-475) (-)

Ion 55.00 (54.70 to 55.70): VN064100.D (-475) (-)

3.57

Time-->



#14

Allyl chloride

Concen: 20.320 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

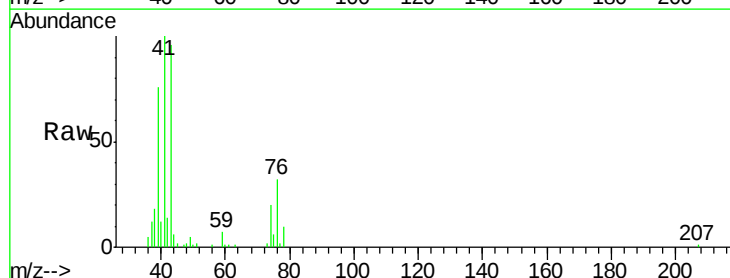
Tgt Ion: 41 Resp: 92879

Ion Ratio Lower Upper

41 100

39 71.1 64.5 96.7

76 29.7 25.9 38.9



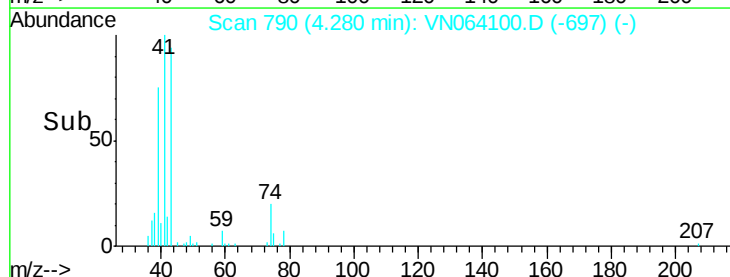
Abundance Ion 41.00 (40.70 to 41.70): VN064100.D (-697) (-)

Ion 39.00 (38.70 to 39.70): VN064100.D (-697) (-)

Ion 75.90 (75.60 to 76.60): VN064100.D (-697) (-)

4.28

Time-->



Abundance

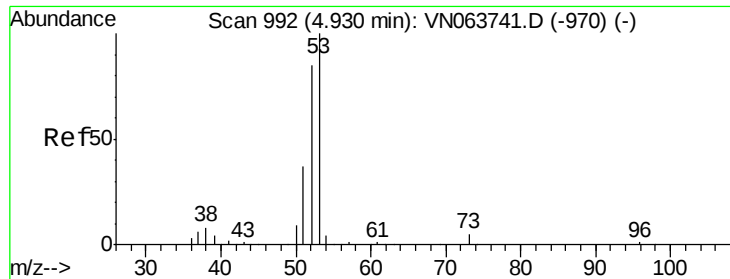
Ion 41.00 (40.70 to 41.70): VN064100.D (-697) (-)

Ion 39.00 (38.70 to 39.70): VN064100.D (-697) (-)

Ion 75.90 (75.60 to 76.60): VN064100.D (-697) (-)

4.28

Time-->



#15

Acrylonitrile

Concen: 114.338 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

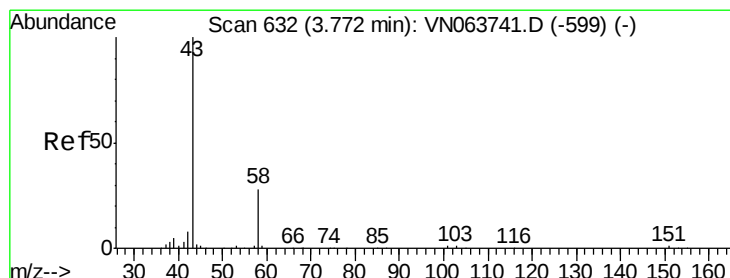
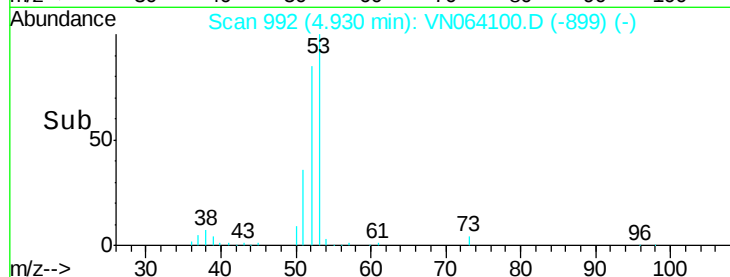
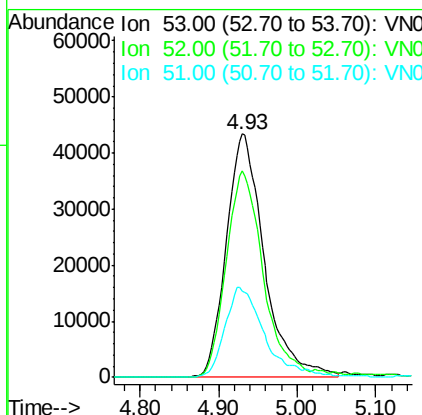
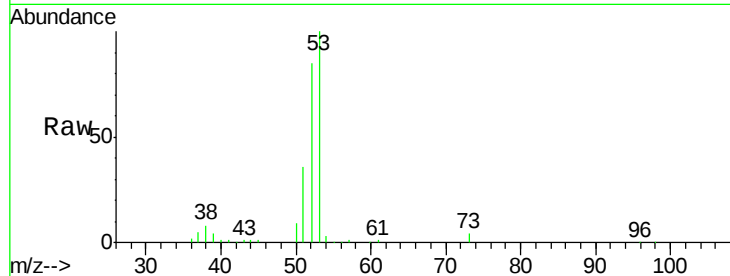
ClientSampleId :

VN1013WBS01

Tot Ion:	53	Resp:	145851
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.5	99.7
51	38.5	29.9	44.9

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#16

Acetone

Concen: 115.254 ug/l

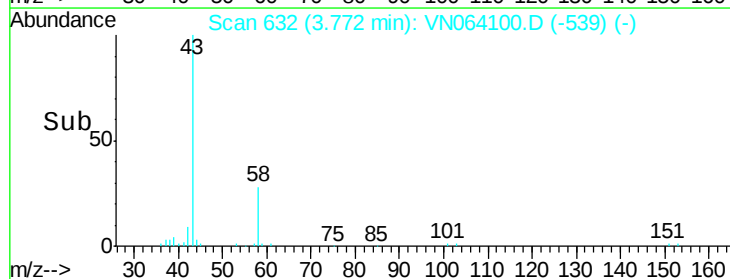
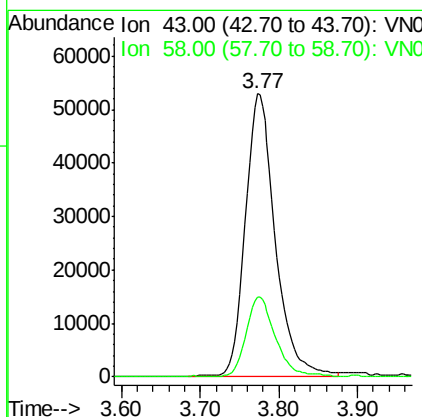
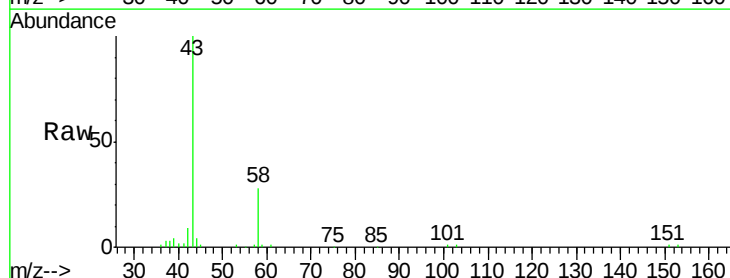
RT: 3.77 min Scan# 632

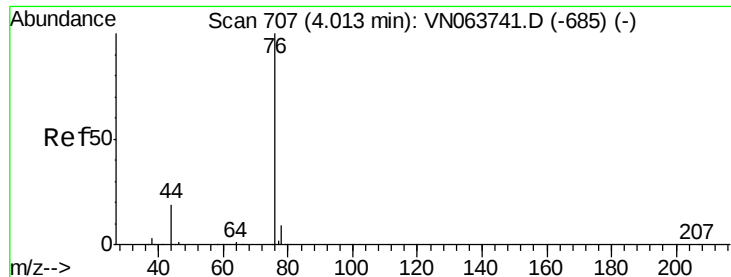
Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion:	43	Resp:	143209
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.3	33.5





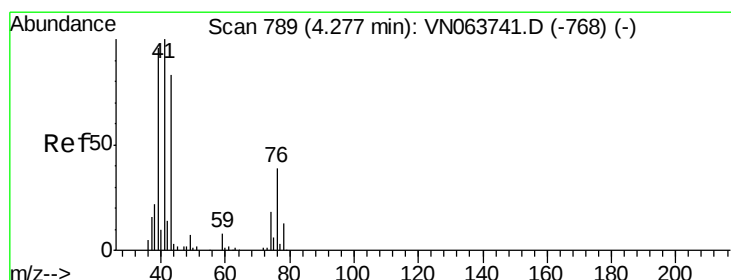
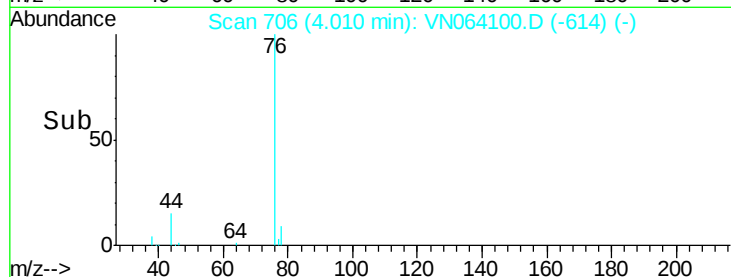
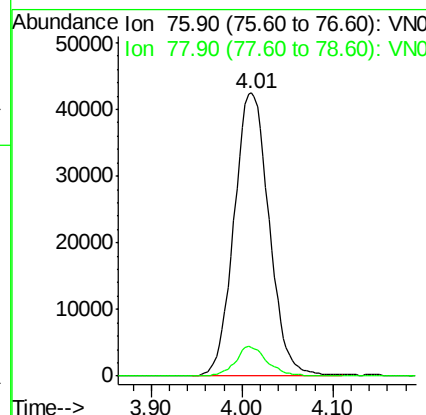
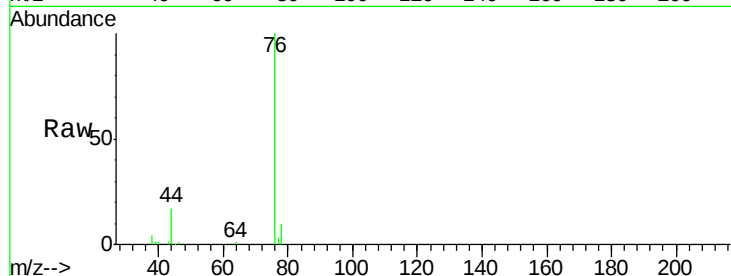
#17
Carbon Disulfide
Concen: 17.598 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion: 76 Resp: 113963
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.4

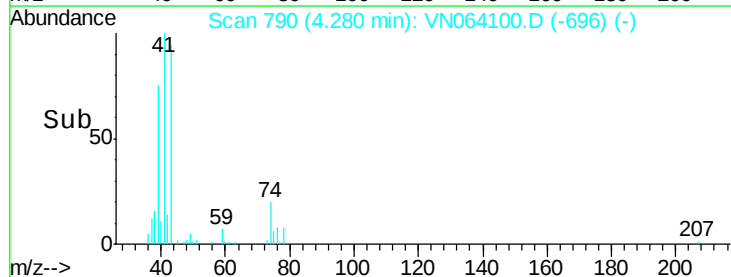
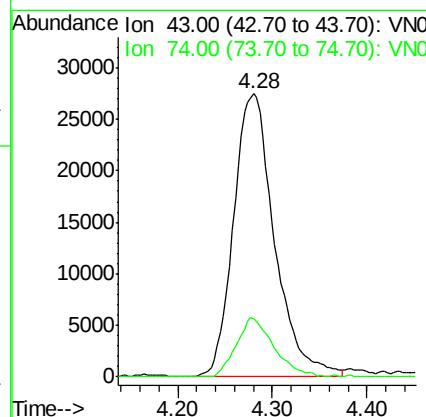
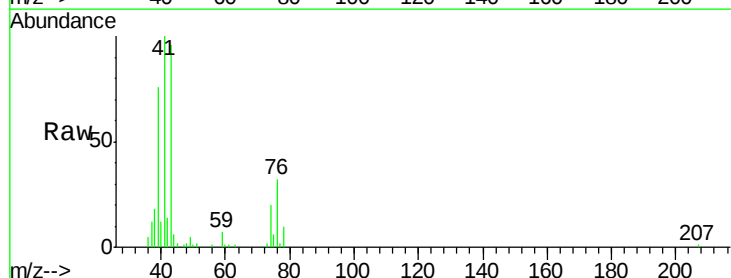
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#18
Methyl Acetate
Concen: 25.641 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 43 Resp: 82722
Ion Ratio Lower Upper
43 100
74 19.0 17.4 26.2





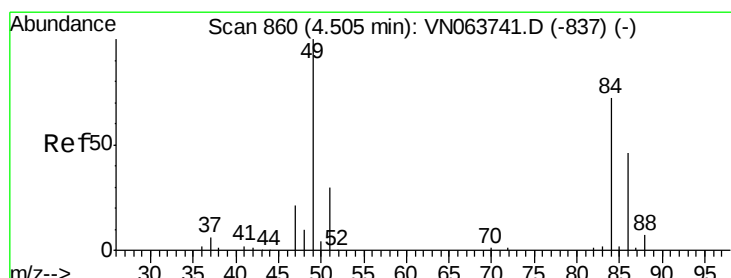
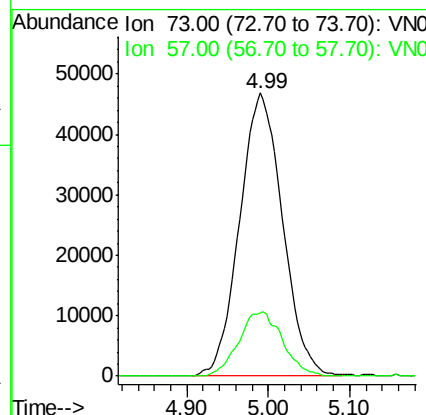
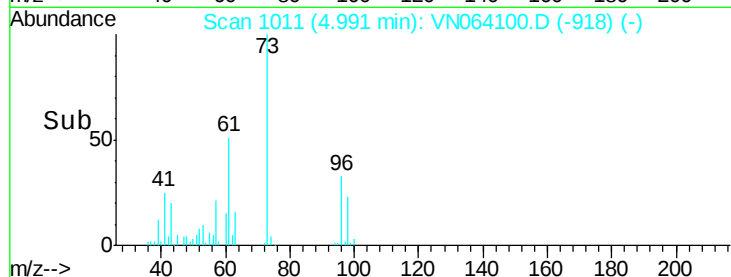
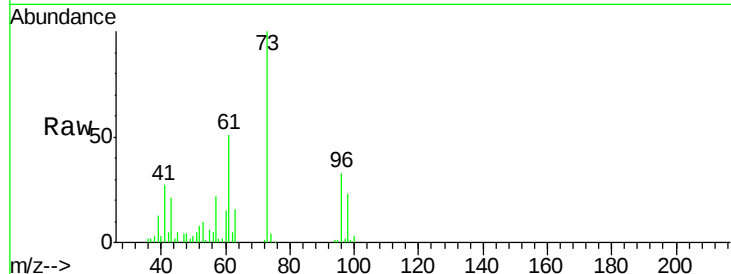
#19
Methvl tert-butvl Ether
Concen: 19.130 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion: 73 Resp: 170995
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4

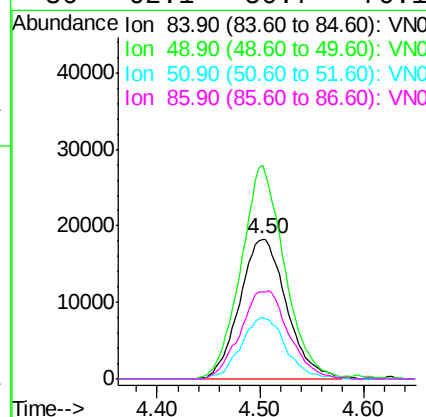
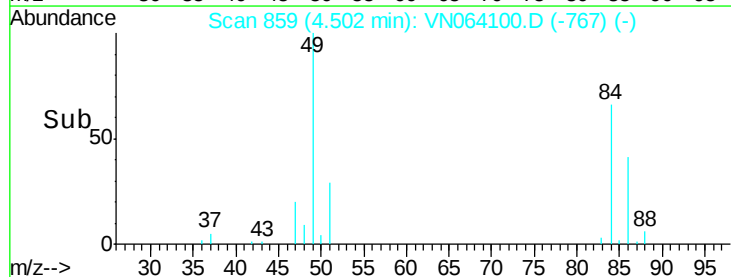
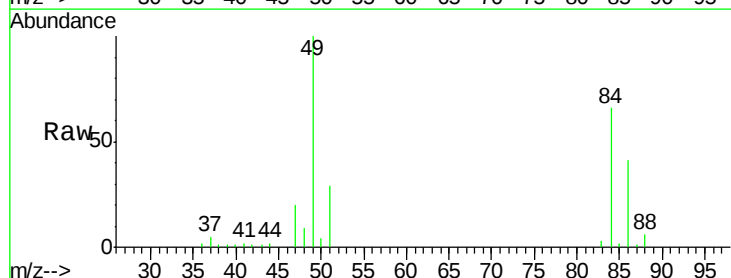
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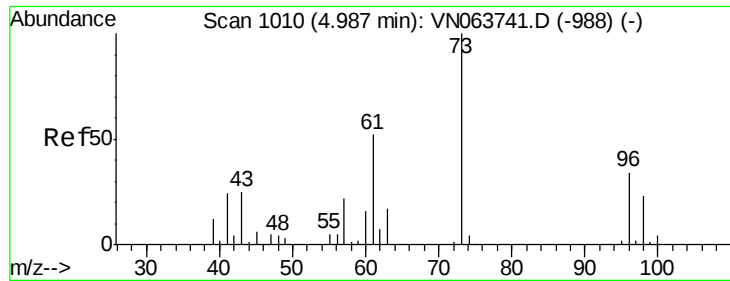
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#20
Methylene Chloride
Concen: 20.388 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 84 Resp: 57861
Ion Ratio Lower Upper
84 100
49 152.4 110.4 165.6
51 43.5 33.3 49.9
86 62.1 50.7 76.1





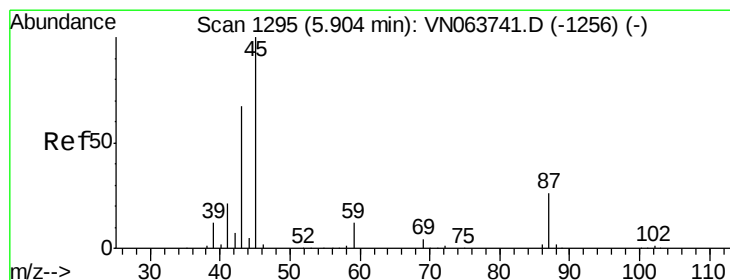
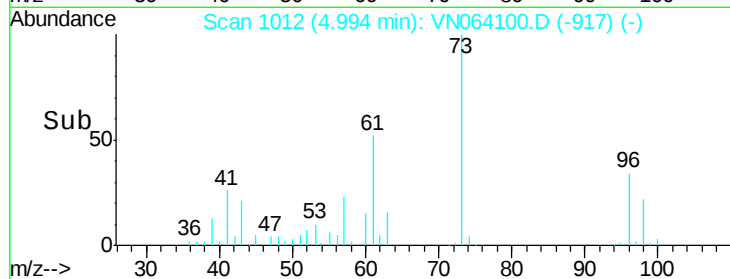
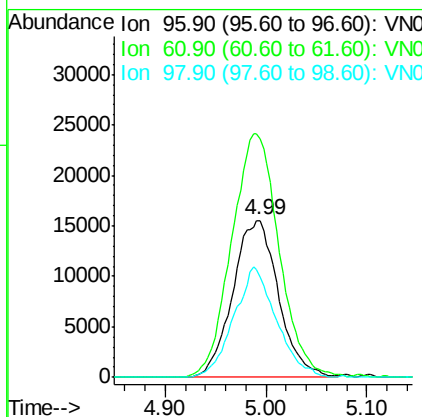
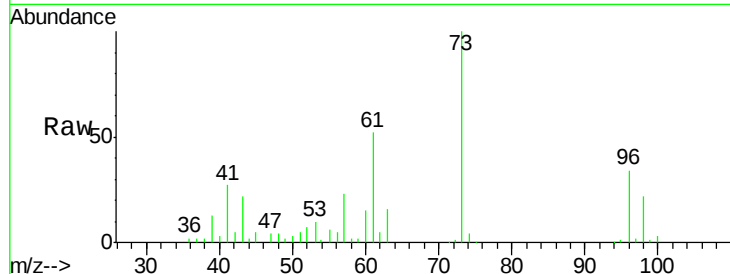
#21
trans-1,2-Dichloroethene
Concen: 17.778 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	120.2	180.2
98	64.2	52.6	79.0

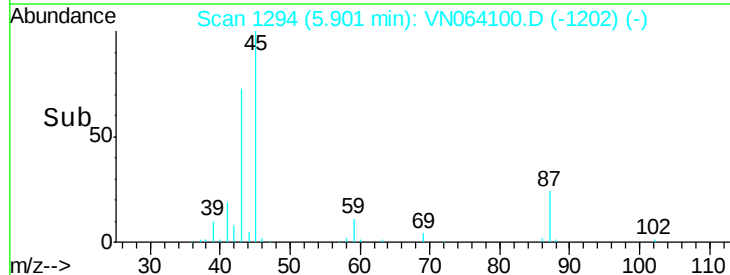
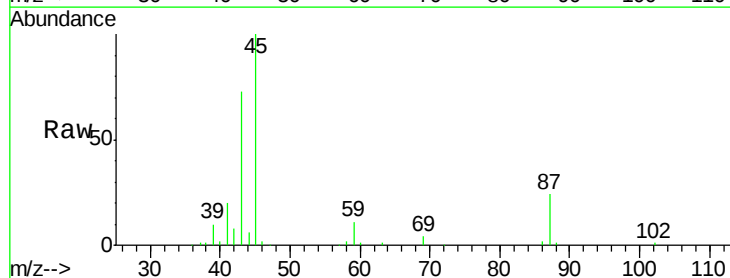
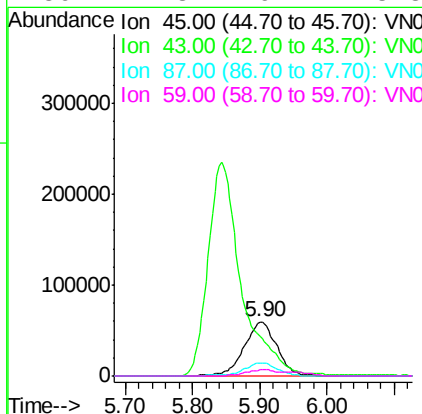
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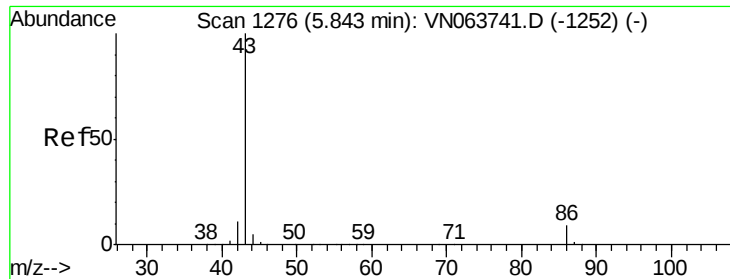
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#22
Diisopropyl ether
Concen: 21.351 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.6	53.7	80.5
87	24.0	21.1	31.7
59	11.3	9.2	13.8





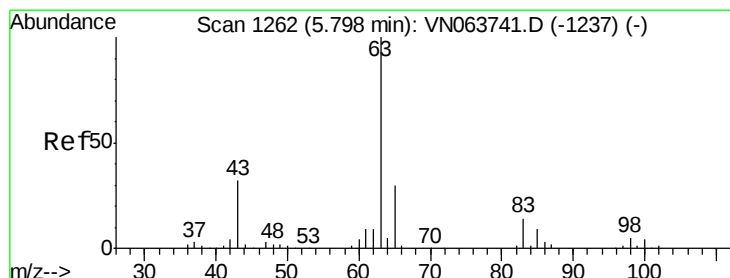
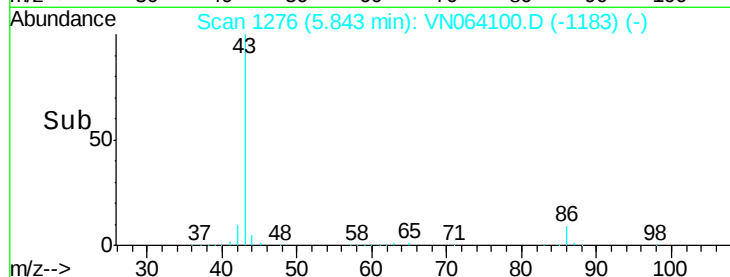
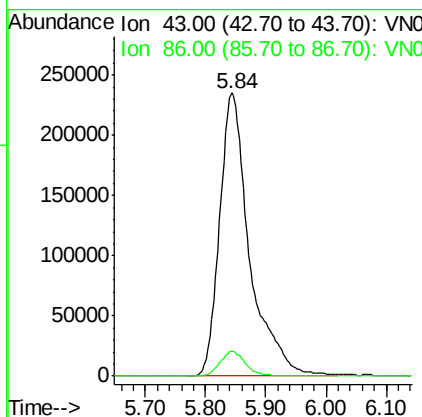
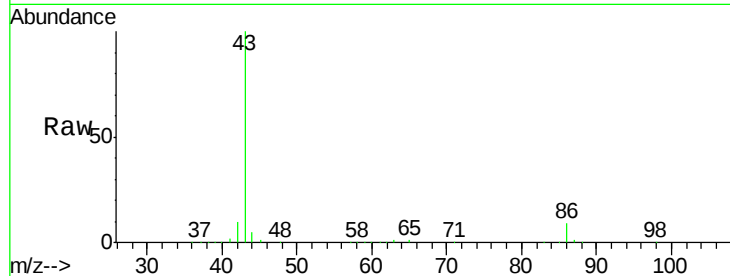
#23
 Vinyl Acetate
 Concen: 104.093 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion	43	Resp	810888
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.3	10.9

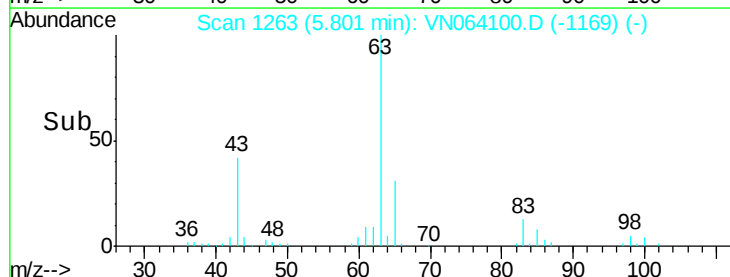
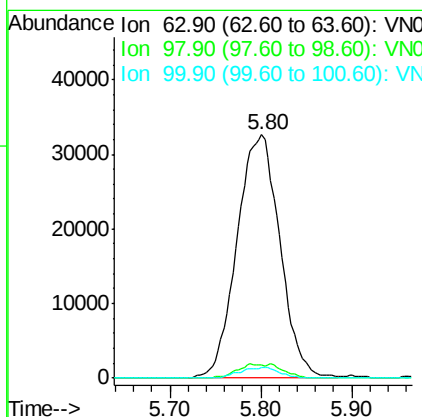
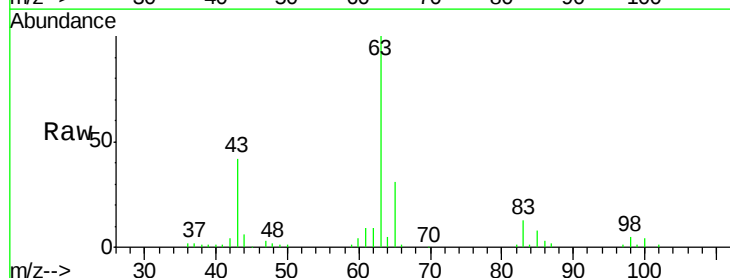
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#24
 1,1-Dichloroethane
 Concen: 19.890 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion	63	Resp	106949
Ion Ratio	100	Lower	Upper
63	100		
98	5.4	2.7	8.1
100	4.3	1.9	5.7





#25

2-Butanone

Concen: 119.987 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion: 43 Resp: 211374

Ion Ratio Lower Upper

43 100

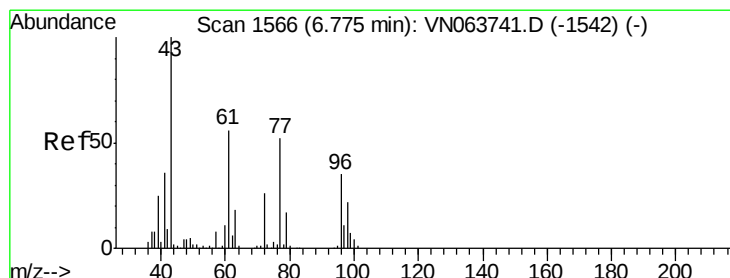
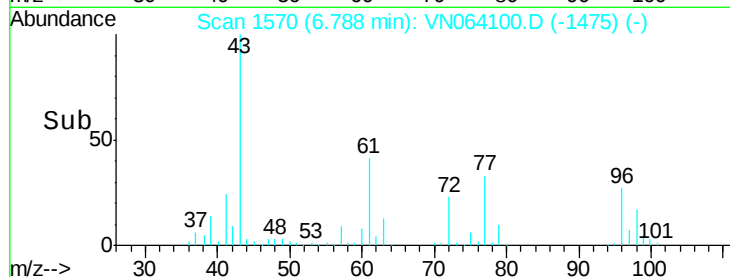
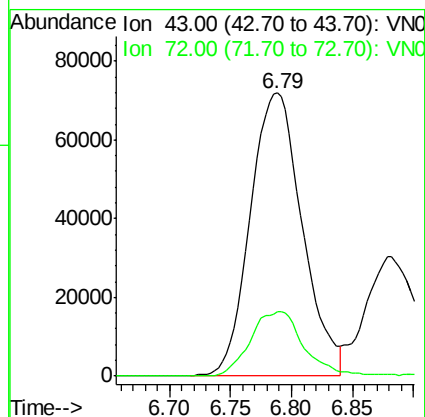
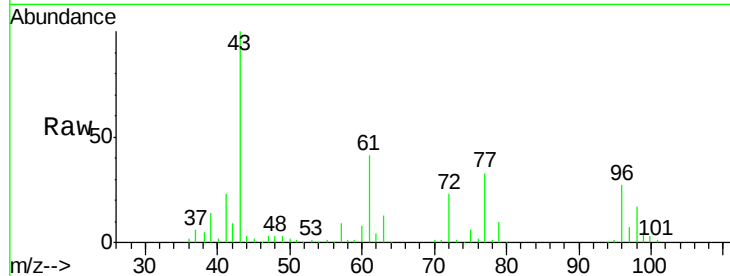
72 22.8 19.3 28.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.642 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064100.D

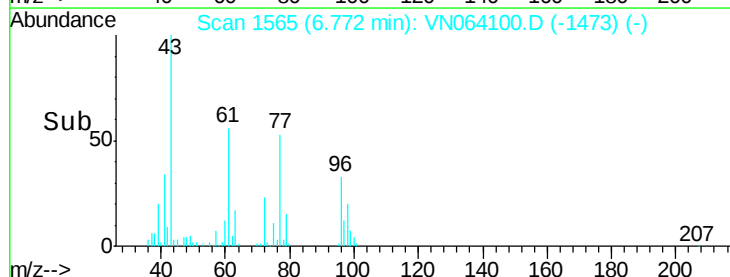
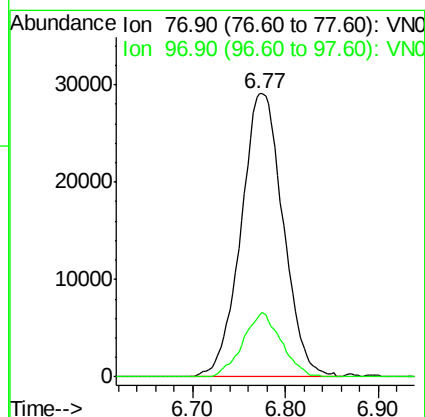
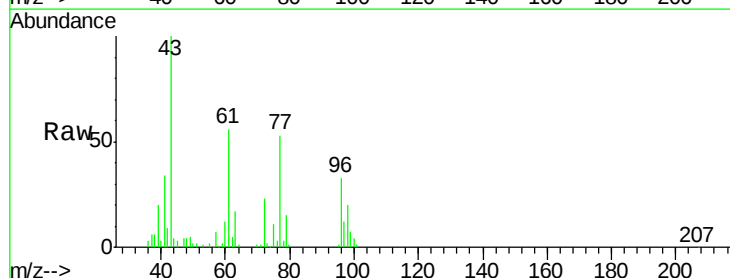
Acq: 13 Oct 2020 14:35

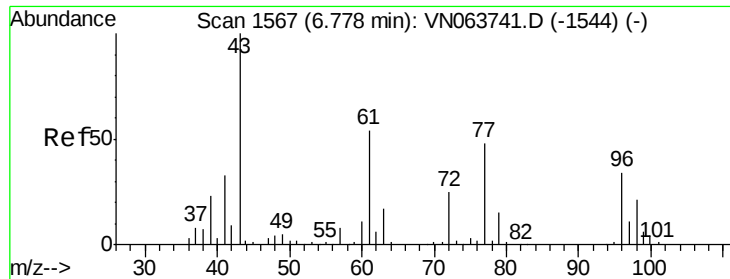
Tgt Ion: 77 Resp: 91794

Ion Ratio Lower Upper

77 100

97 20.7 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.267 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

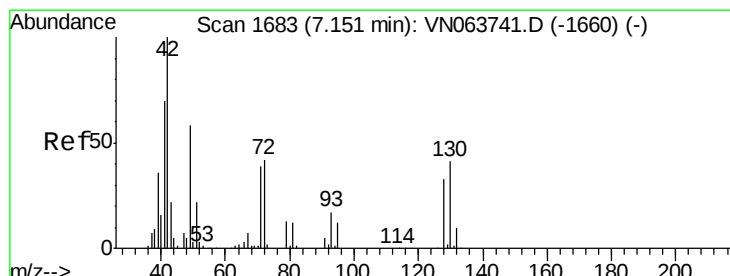
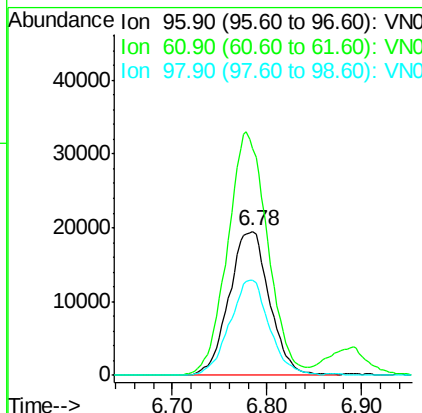
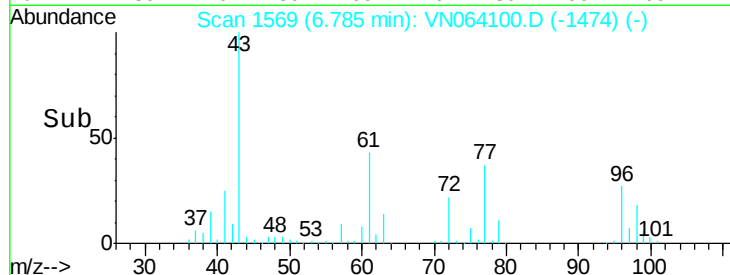
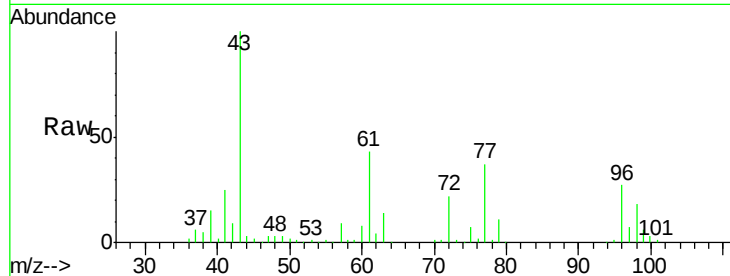
ClientSampleId :

VN1013WBS01

Tot Ion:	96	Resp:	57897
Ion	Ratio	Lower	Upper
96	100		
61	168.1	0.0	321.2
98	64.6	0.0	124.4

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#28

Bromochloromethane

Concen: 20.126 ug/l

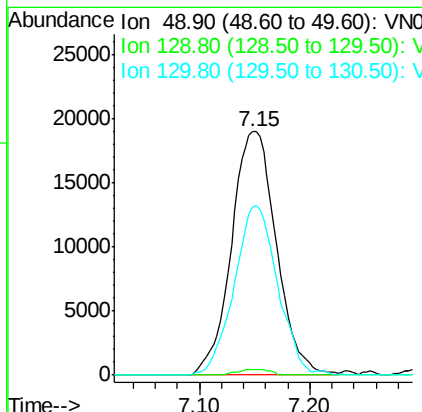
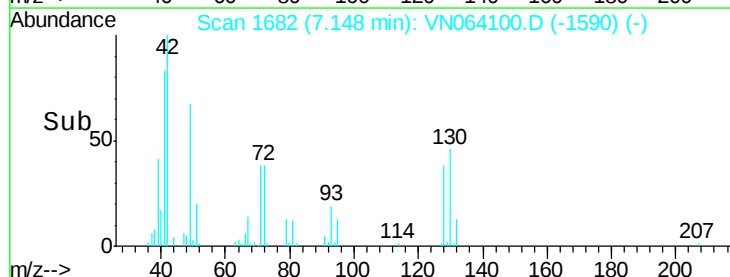
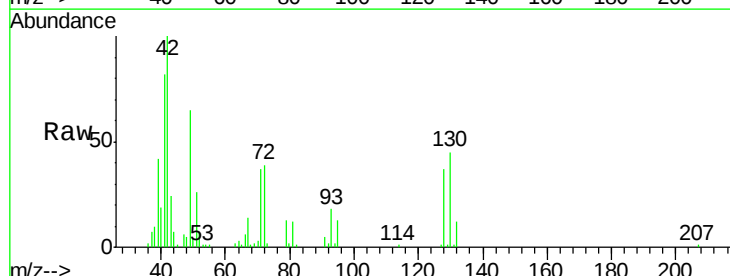
RT: 7.15 min Scan# 1682

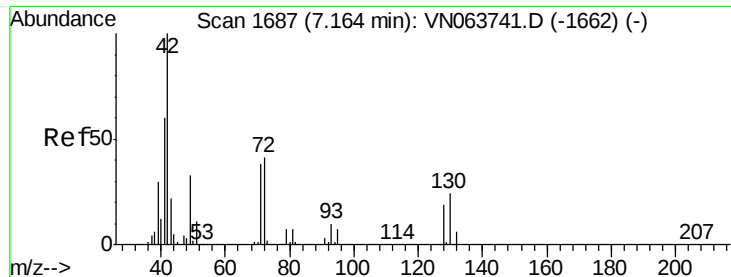
Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion:	49	Resp:	53487
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.8
130	67.1	55.6	83.4





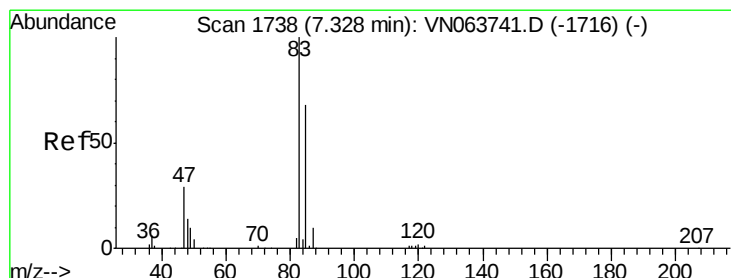
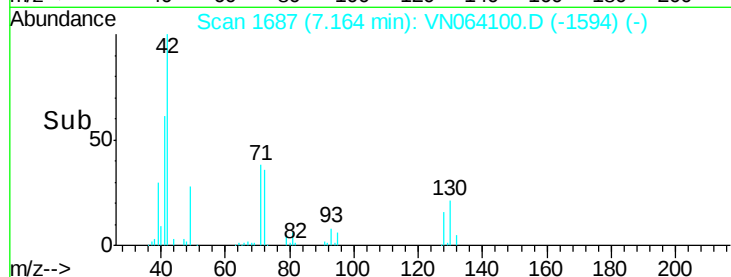
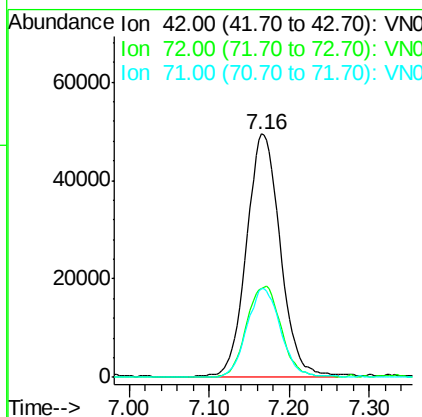
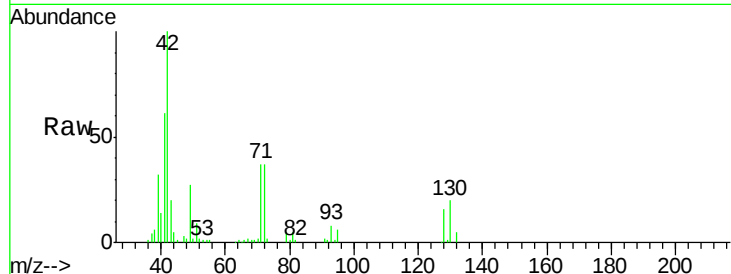
#29
Tetrahydrofuran
Concen: 121.369 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	32.8	49.2
71	36.1	30.6	45.8

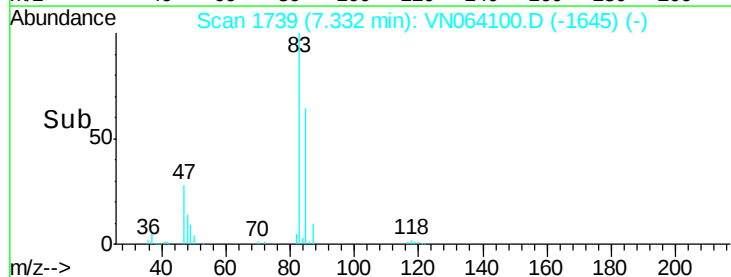
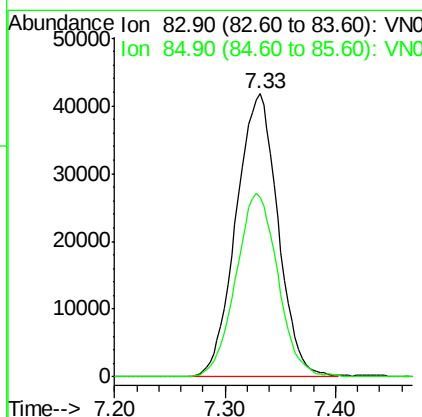
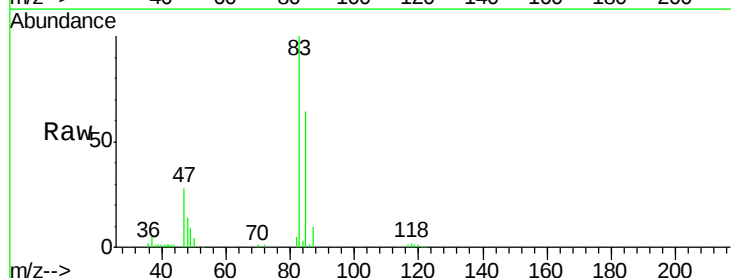
Manual Integrations
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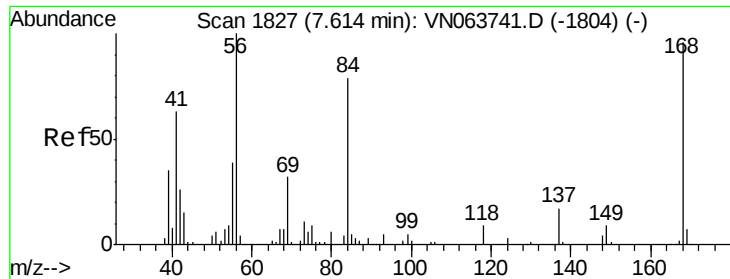
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#30
Chloroform
Concen: 19.604 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	54.6	82.0





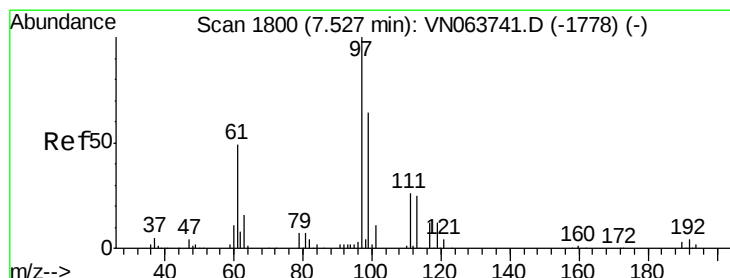
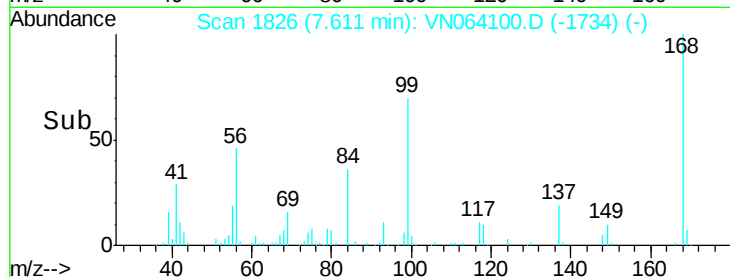
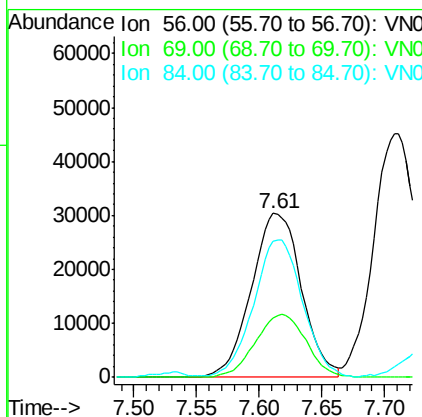
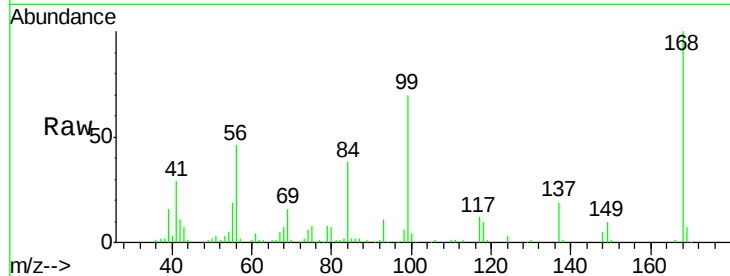
#31
Cyclohexane
Concen: 17.994 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	25.4	38.2
84	81.6	63.3	94.9

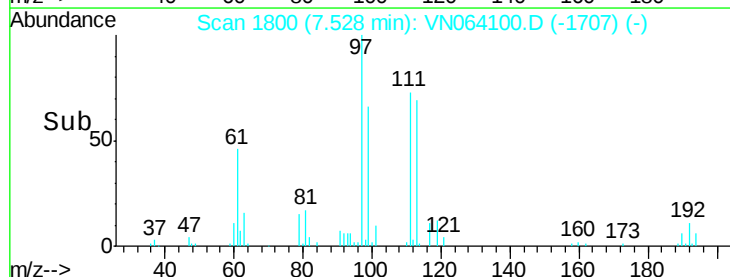
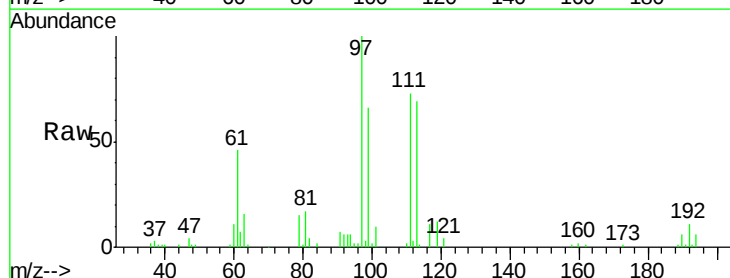
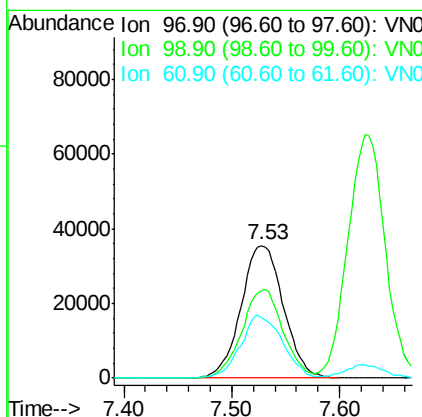
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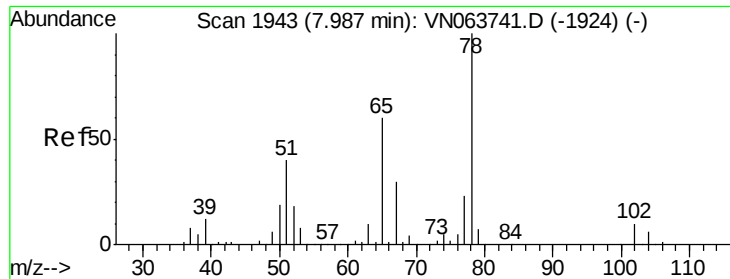
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#32
1,1,1-Trichloroethane
Concen: 19.170 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.6
61	46.9	38.7	58.1





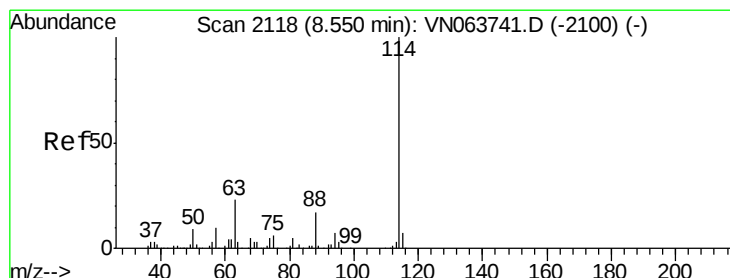
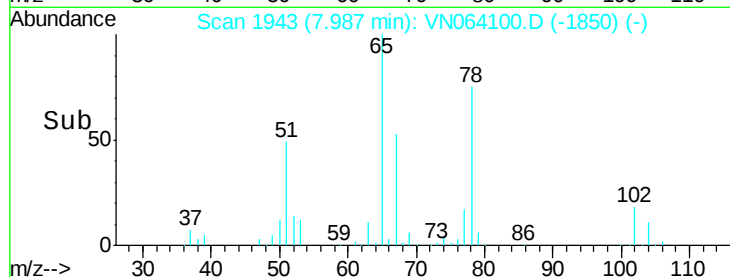
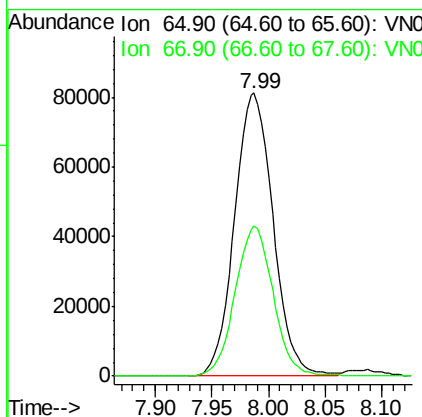
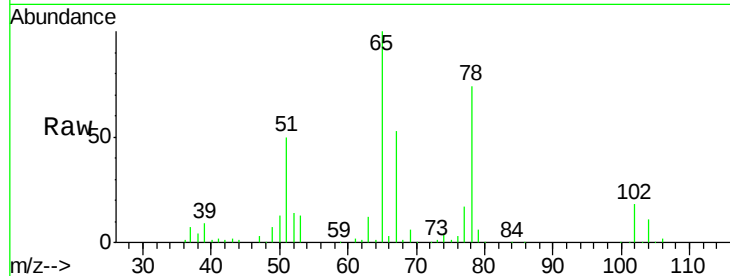
#33
 1,2-Dichloroethane-d4
 Concen: 47.807 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192970		
67	52.4	0.0	99.6	

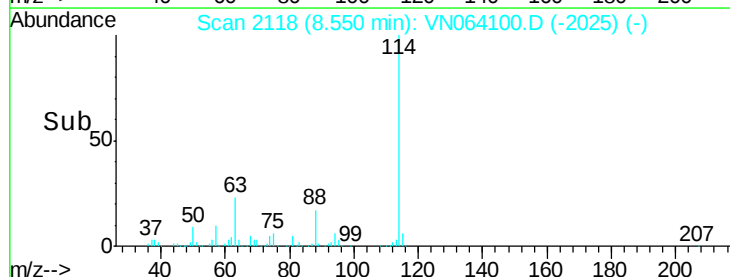
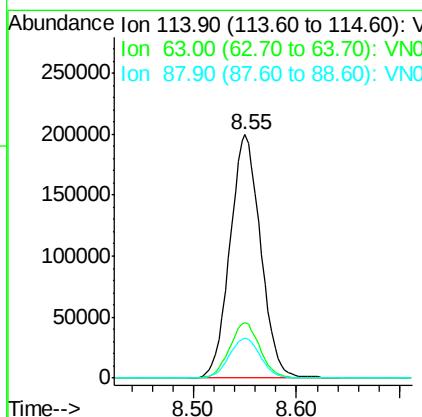
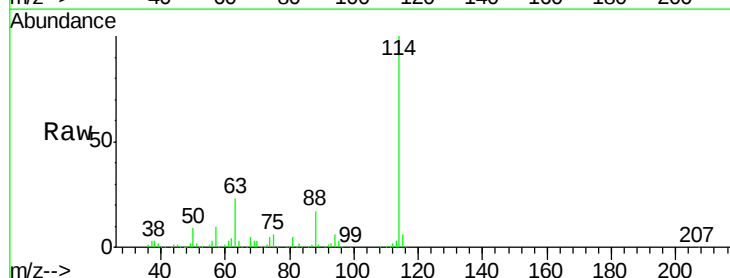
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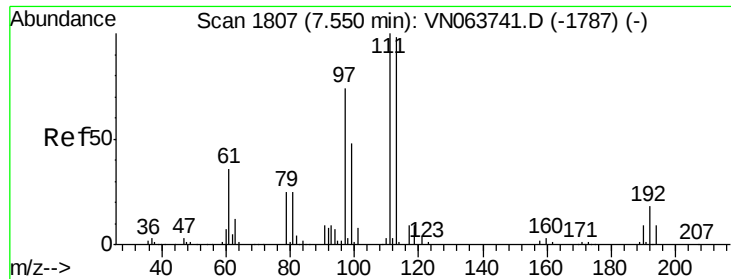
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	413209		
63	22.9	0.0	45.0	
88	16.5	0.0	34.0	





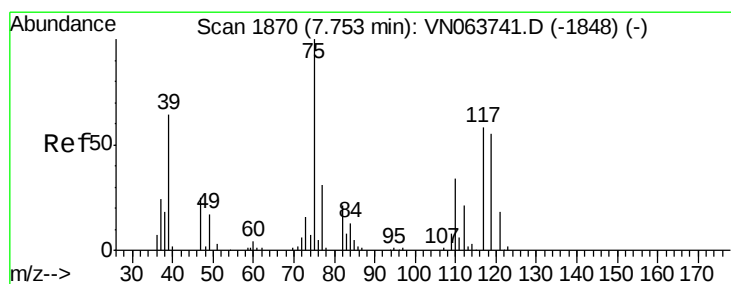
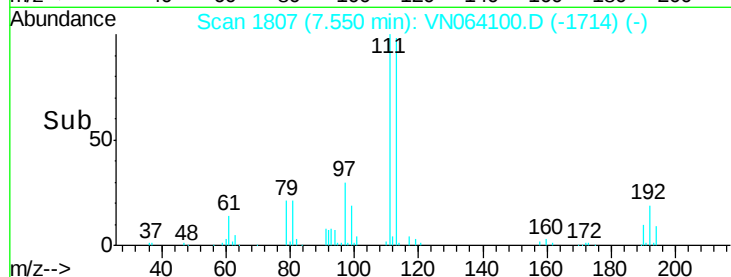
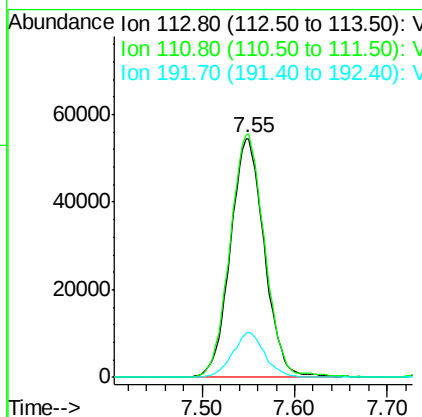
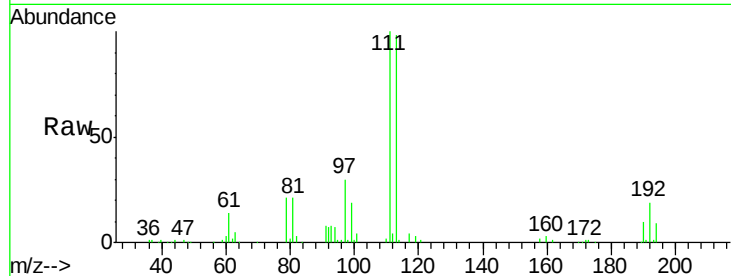
#35
Dibromofluoromethane
Concen: 48.226 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138271		
111	103.5	81.8	122.8	
192	17.7	14.2	21.2	

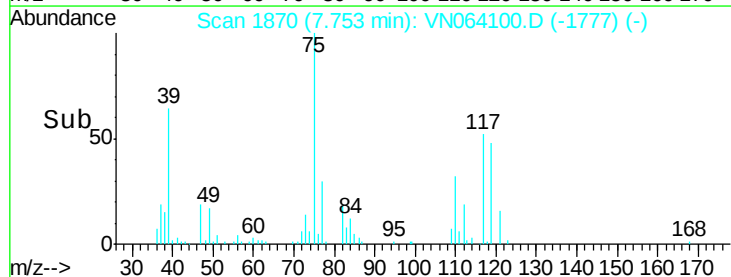
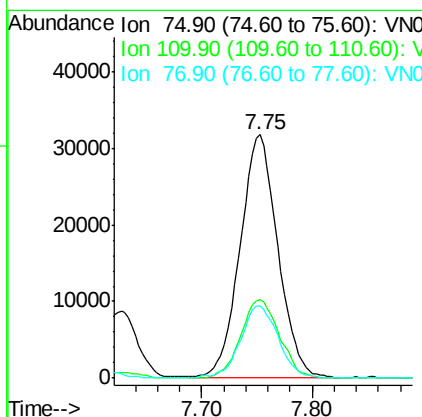
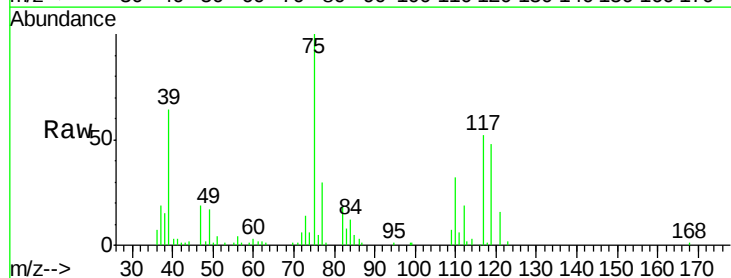
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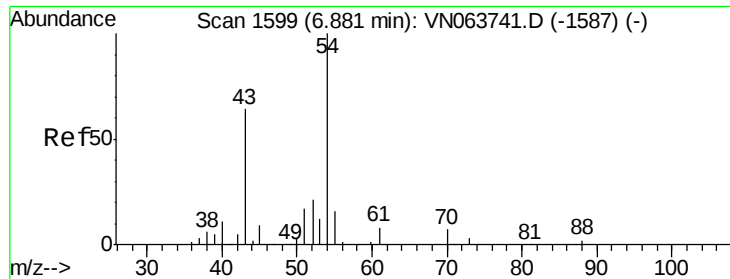
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#36
1,1-Dichloropropene
Concen: 18.111 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75815		
110	32.7	16.9	50.6	
77	29.7	24.5	36.7	





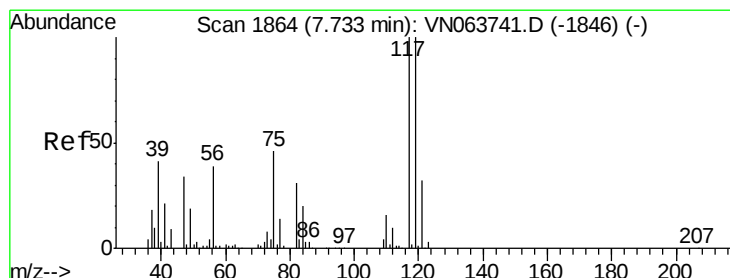
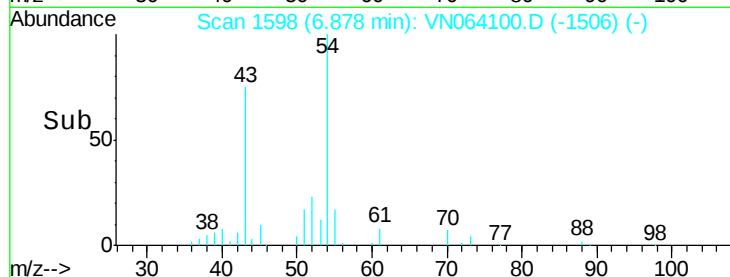
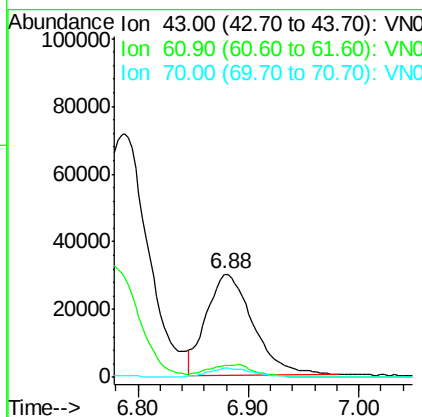
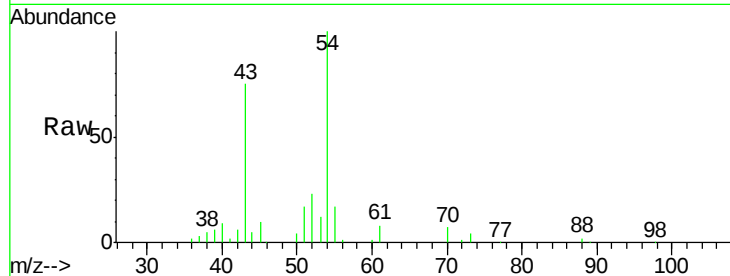
#37
Ethyl Acetate
Concen: 21.203 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.0	7.3	10.9

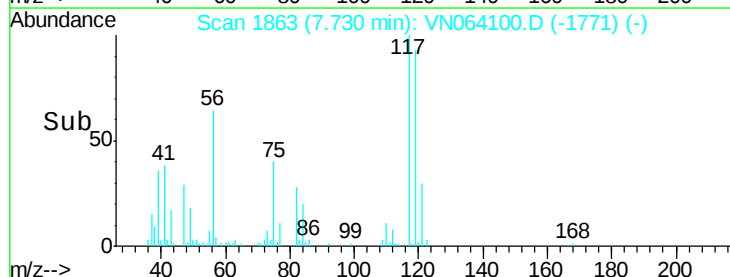
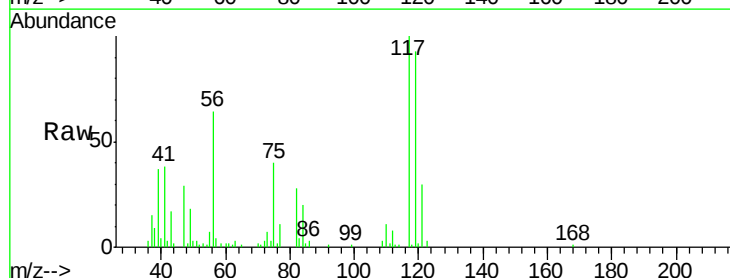
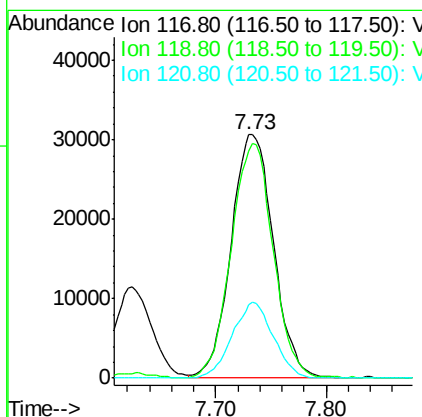
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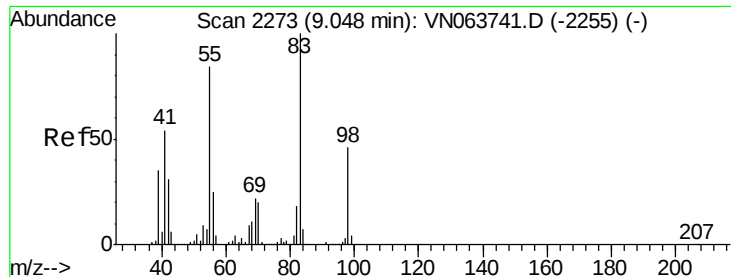
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#38
Carbon Tetrachloride
Concen: 17.407 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	80.1	120.1
121	30.2	25.7	38.5





#39

Methvlcvclohexane

Concen: 15.944 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

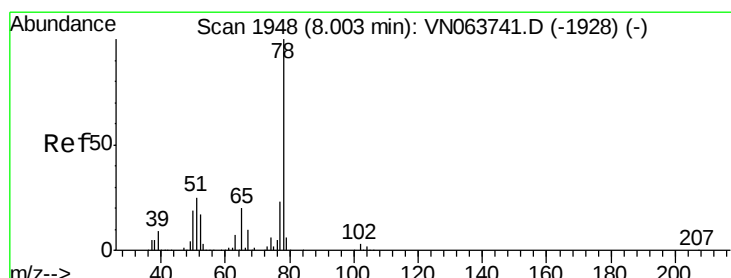
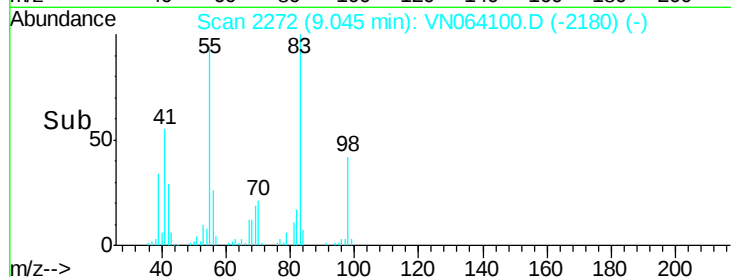
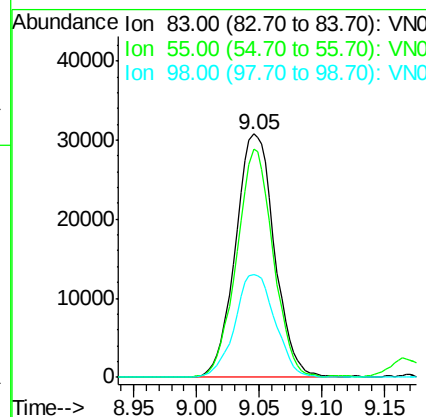
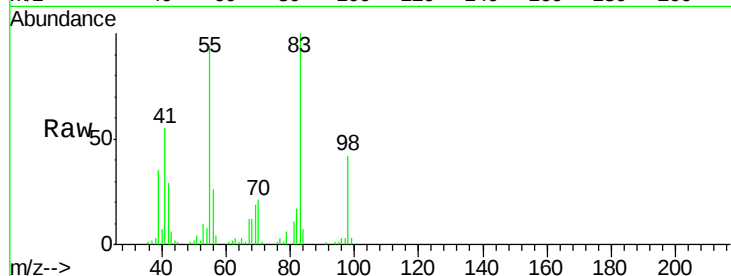
ClientSampleId :

VN1013WBS01

Tot Ion:	83	Resp:	66559
Ion	Ratio	Lower	Upper
83	100		
55	94.0	67.1	100.7
98	42.0	36.6	54.8

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#40

Benzene

Concen: 18.858 ug/l

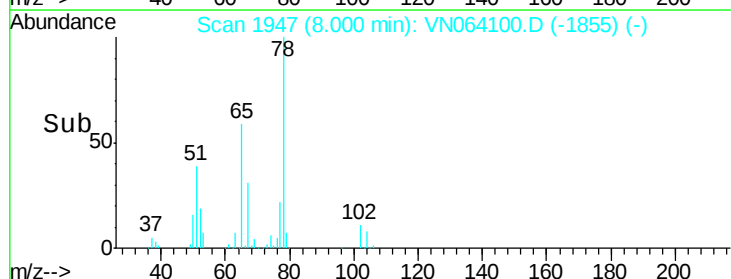
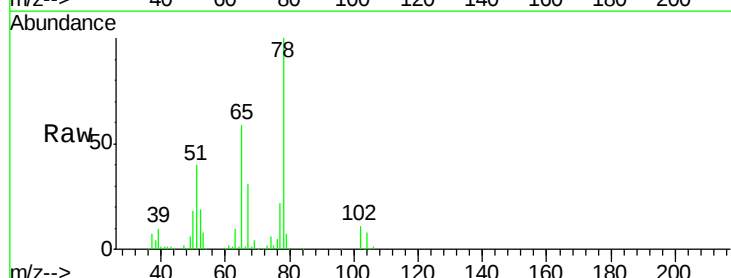
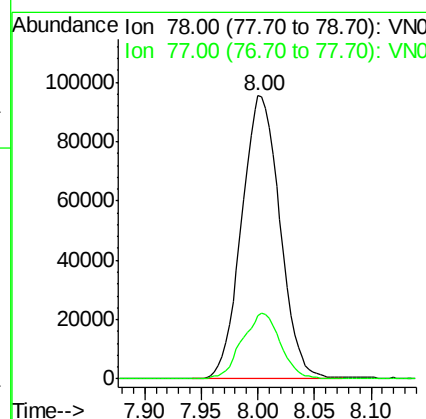
RT: 8.00 min Scan# 1947

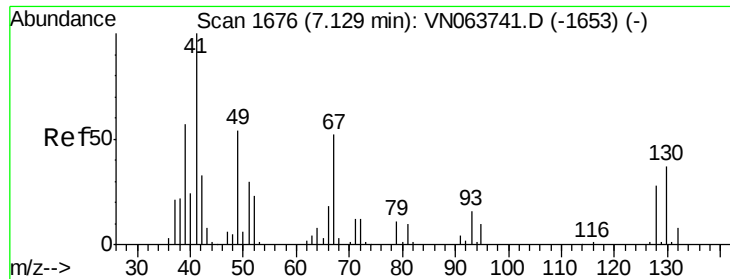
Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion:	78	Resp:	225479
Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.7	28.1





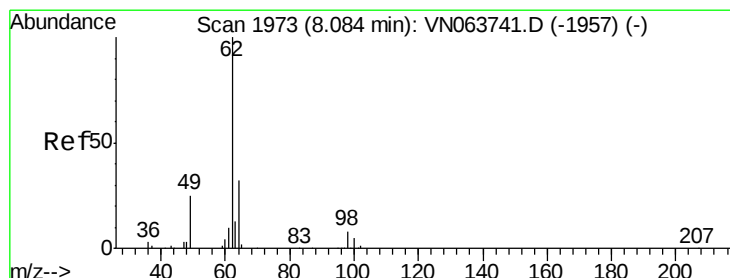
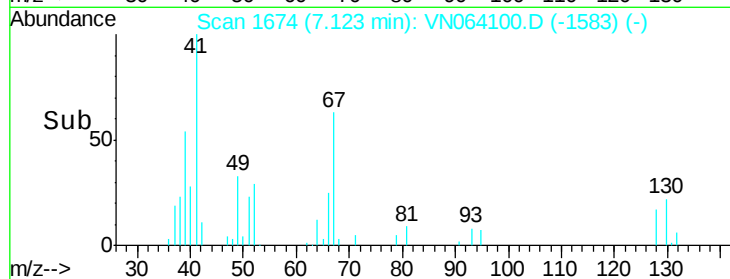
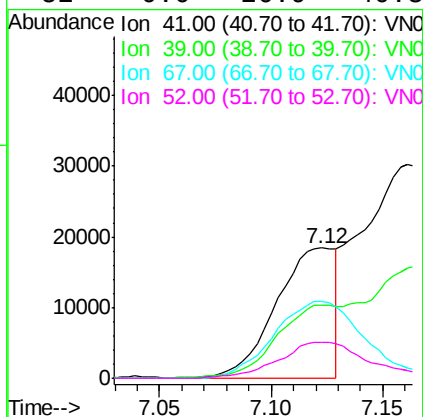
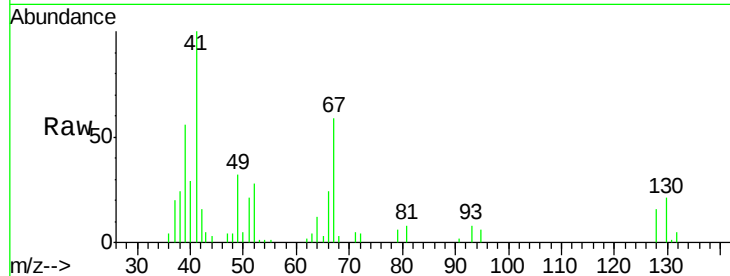
#41
Methacrylonitrile
Concen: 18.649 ug/l m
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	113.1	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

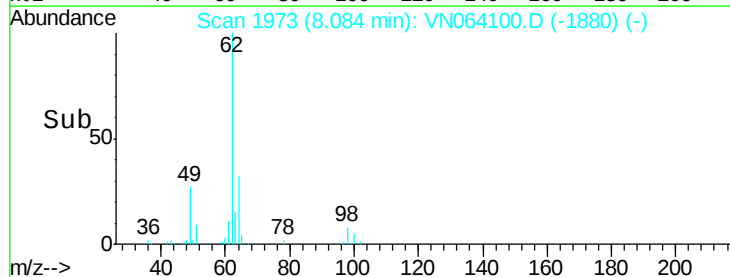
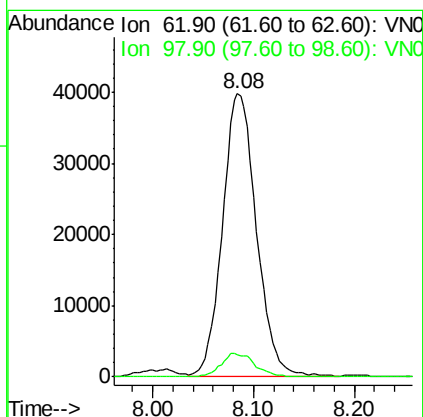
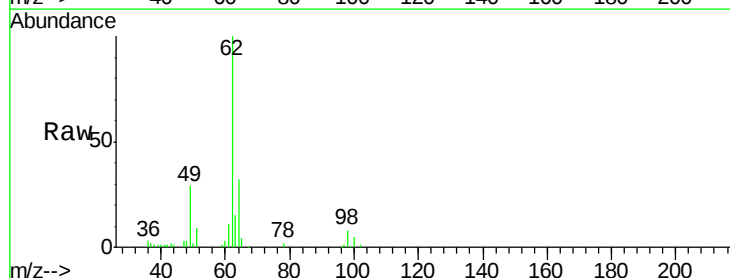
Manual Integrations
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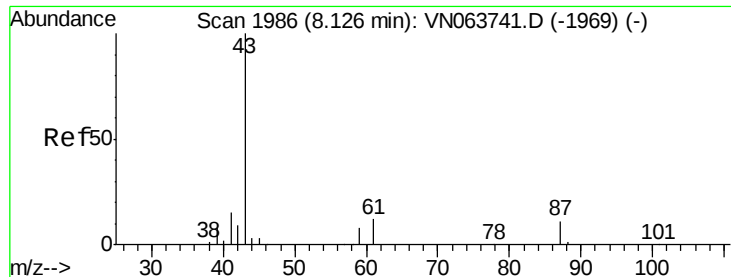
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#42
1,2-Dichloroethane
Concen: 18.291 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.0





#43

Isopropyl Acetate

Concen: 21.168 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

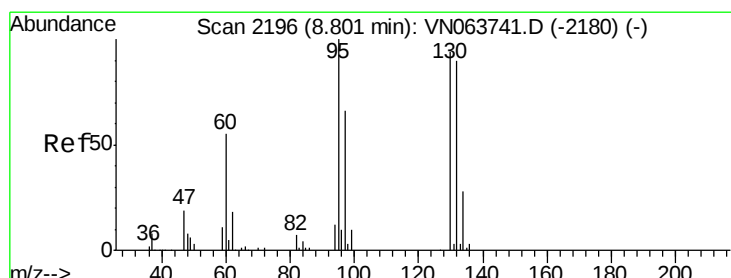
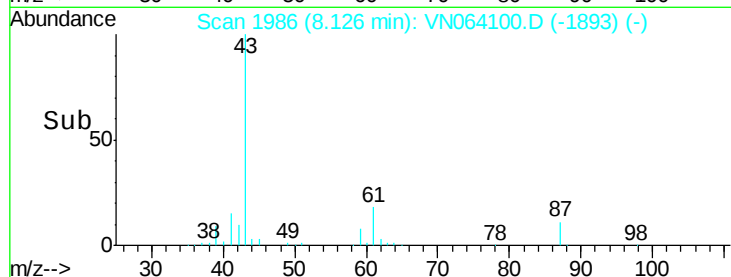
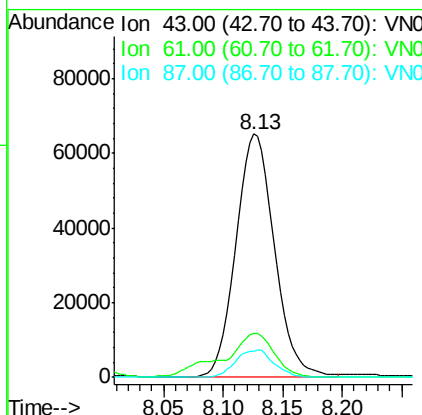
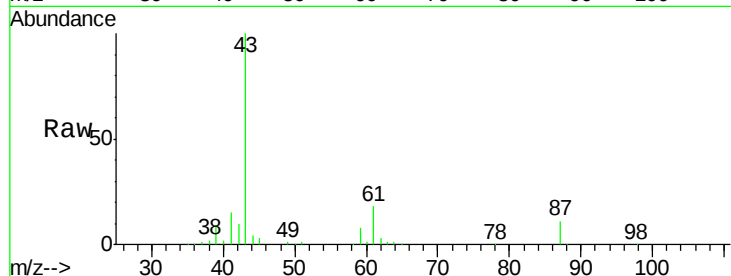
ClientSampleId :

VN1013WBS01

Tot Ion:	43	Resp:	145219
Ion	Ratio	Lower	Upper
43	100		
61	24.5	14.2	21.4#
87	11.2	9.0	13.6

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#44

Trichloroethene

Concen: 18.063 ug/l

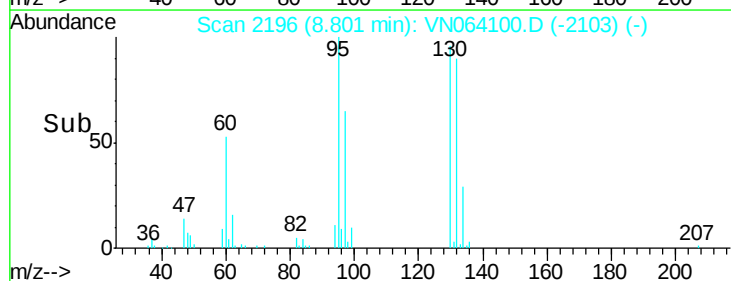
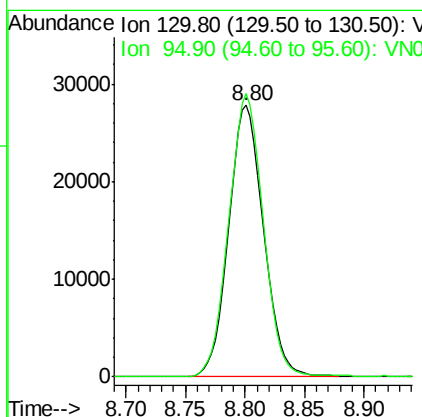
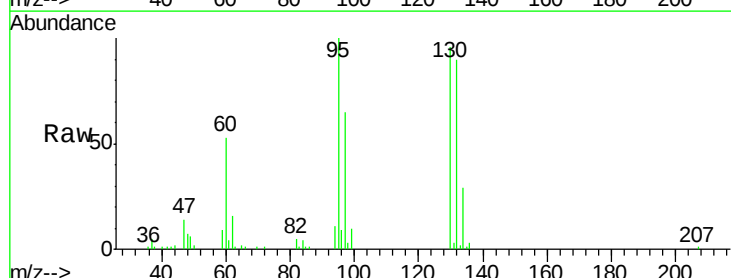
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion:	130	Resp:	56589
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	213.6





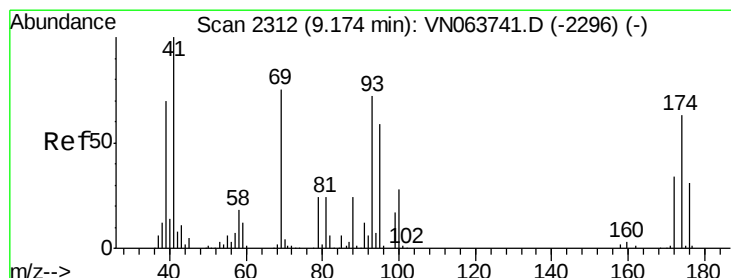
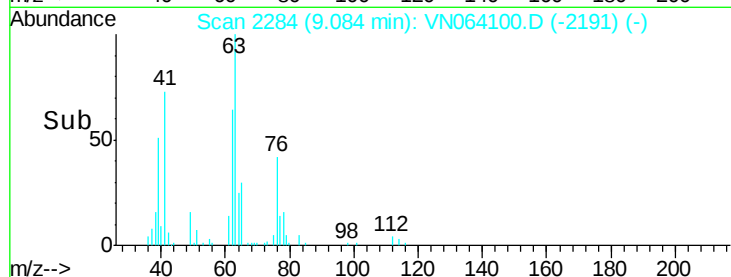
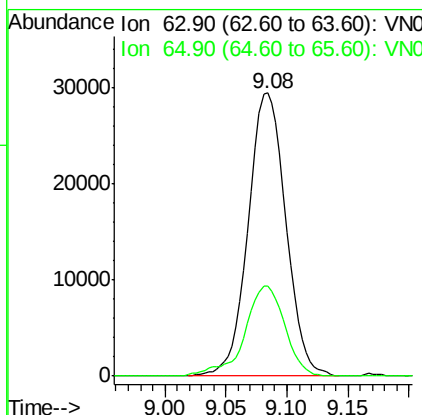
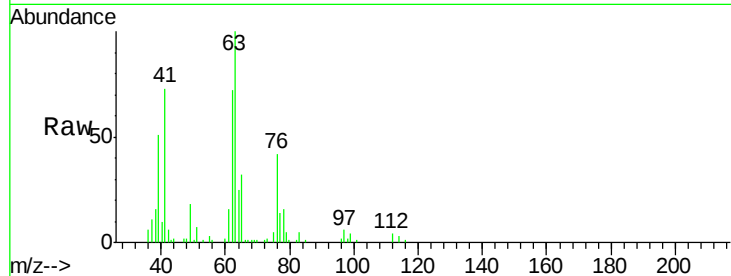
#45
 1,2-Dichloropropane
 Concen: 19.509 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion: 63 Resp: 62999
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.7 37.1

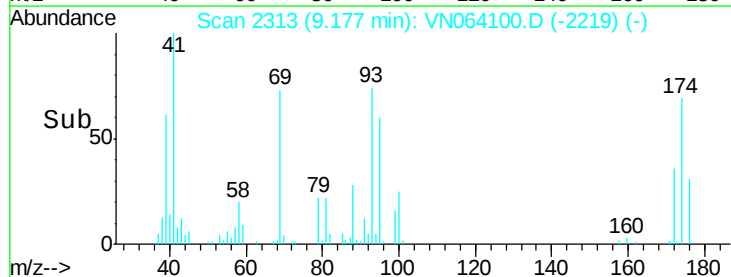
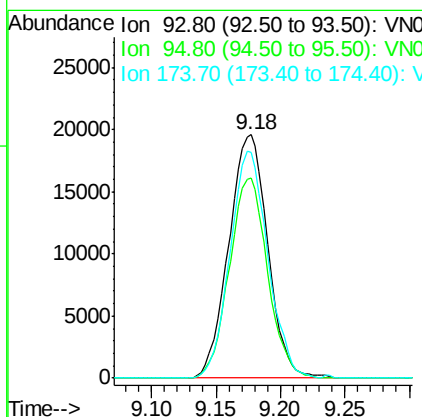
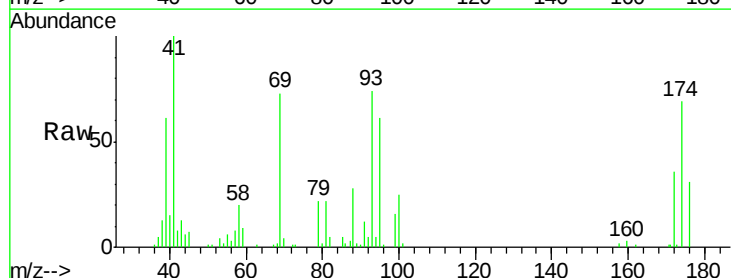
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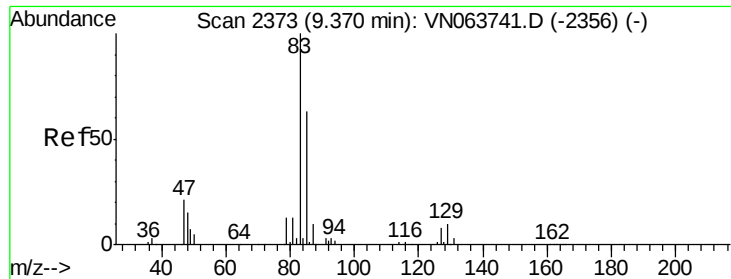
MMDadoda
 10/14/2020 2:09:10 PM



#46
 Dibromomethane
 Concen: 18.504 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion: 93 Resp: 41221
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.3 99.5
 174 90.3 72.7 109.1





#47

Bromodichloromethane

Concen: 18.964 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

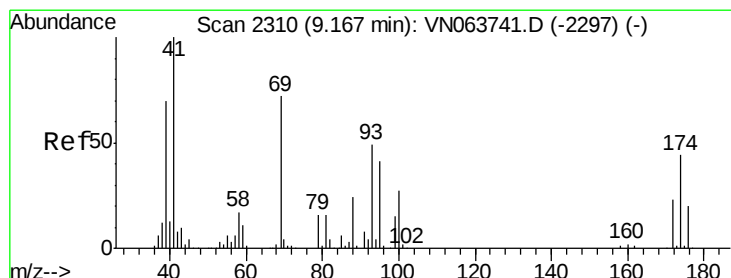
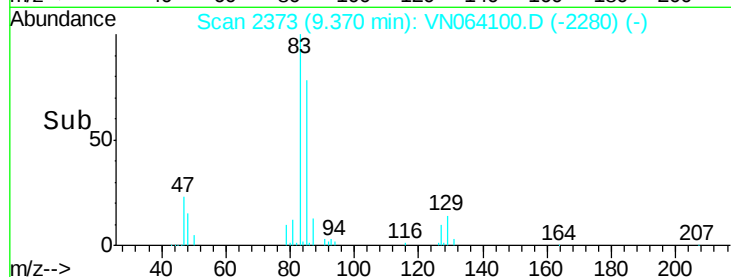
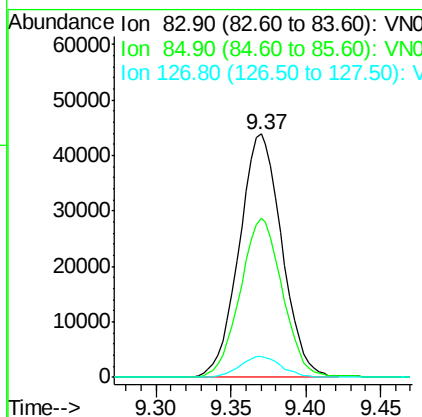
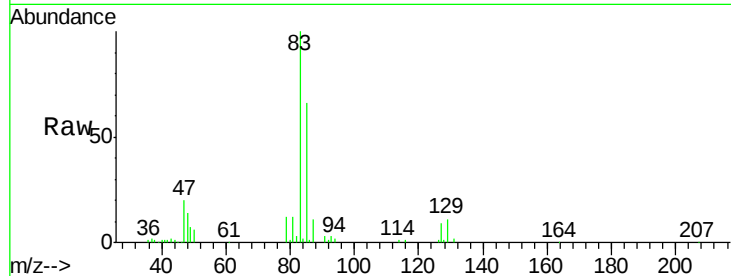
ClientSampleId :

VN1013WBS01

Tot Ion:	83	Resp:	87066
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.6	75.8
127	8.7	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.092 ug/l

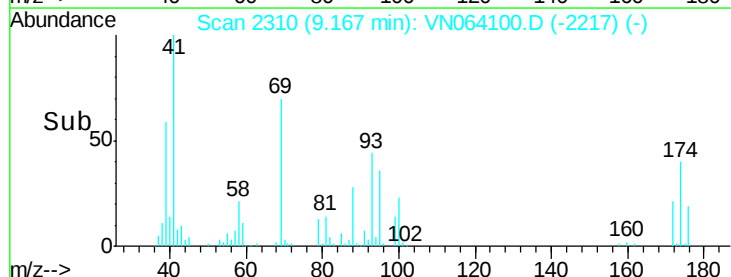
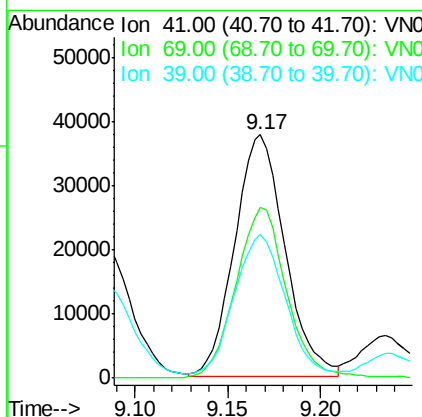
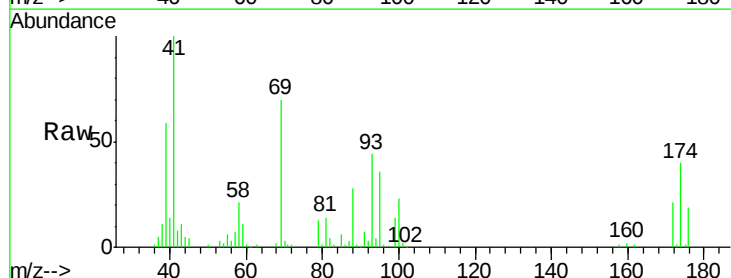
RT: 9.17 min Scan# 2310

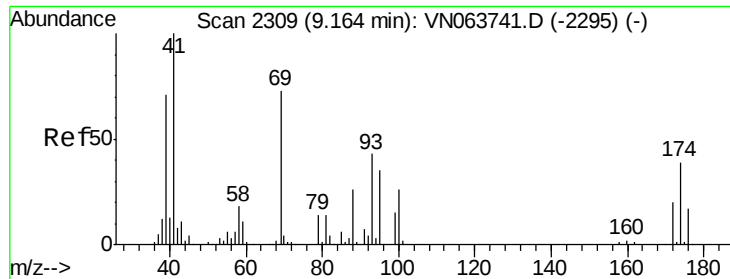
Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion:	41	Resp:	71489
Ion	Ratio	Lower	Upper
41	100		
69	70.8	60.9	91.3
39	60.6	57.5	86.3





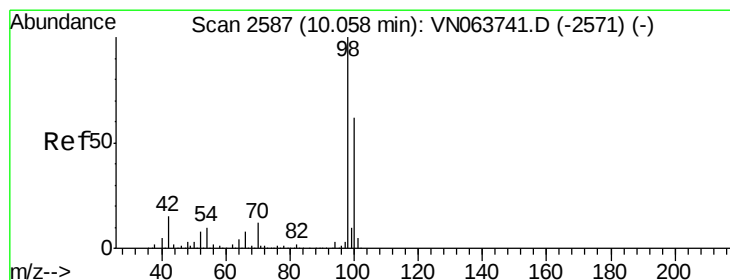
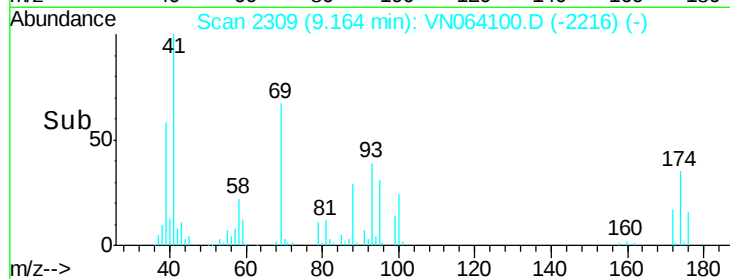
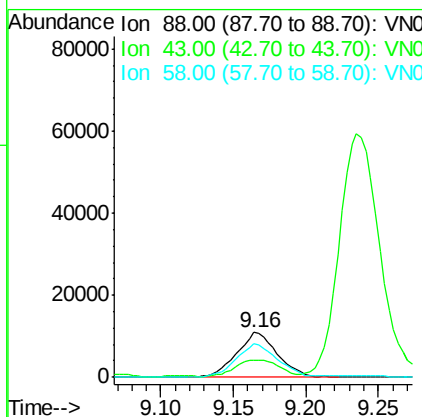
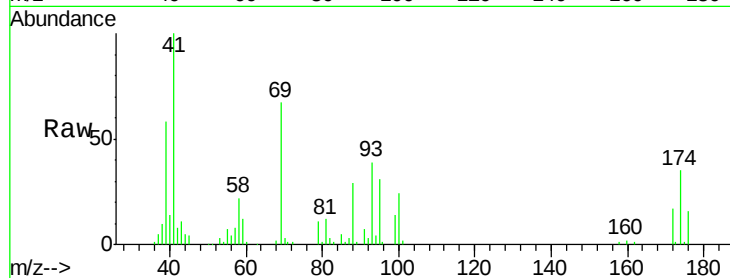
#49
1,4-Dioxane
Concen: 446.893 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	33.1	49.7
58	75.1	58.9	88.3

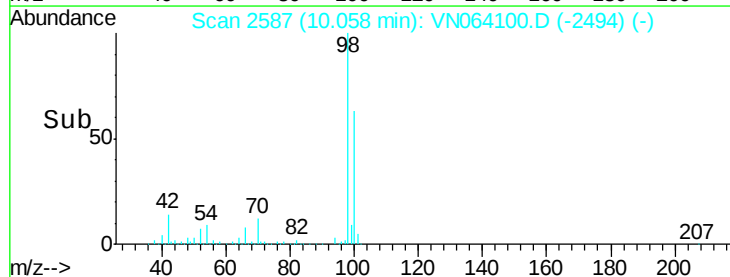
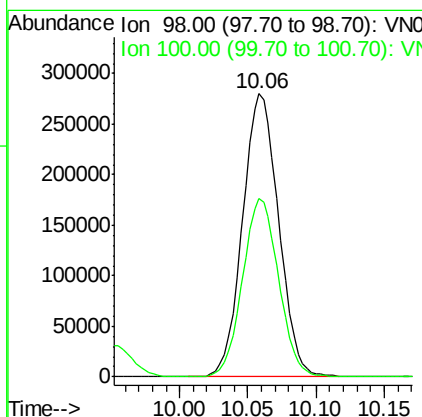
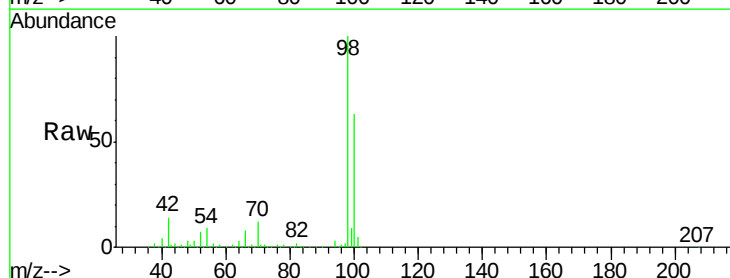
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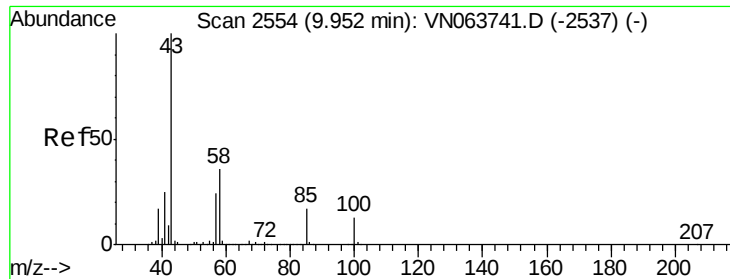
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#50
Toluene-d8
Concen: 47.208 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	49.8	74.6





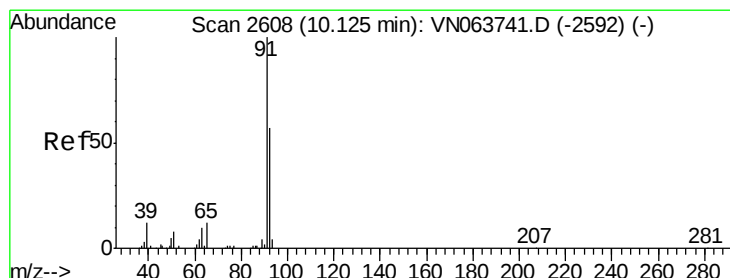
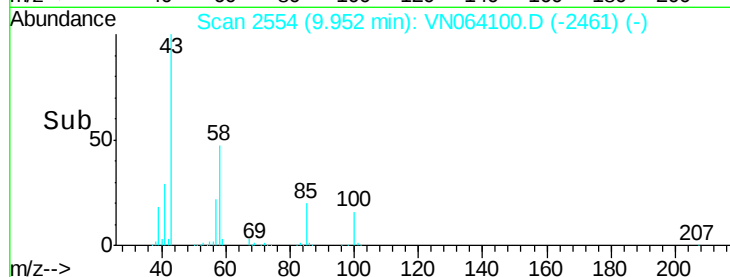
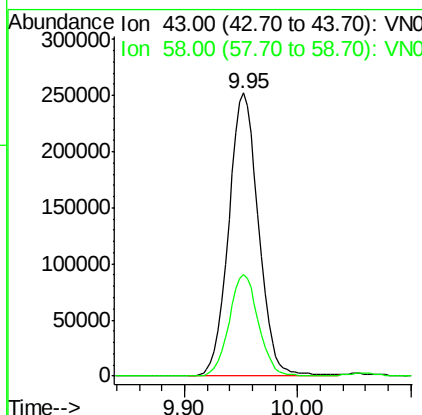
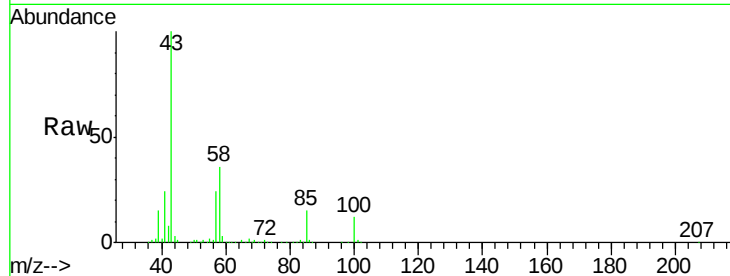
#51
4-Methyl-2-Pentanone
Concen: 114.404 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.4	42.6

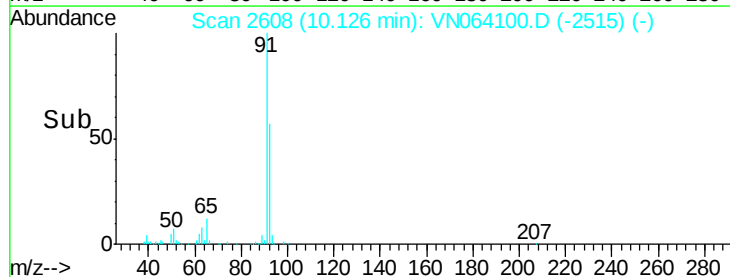
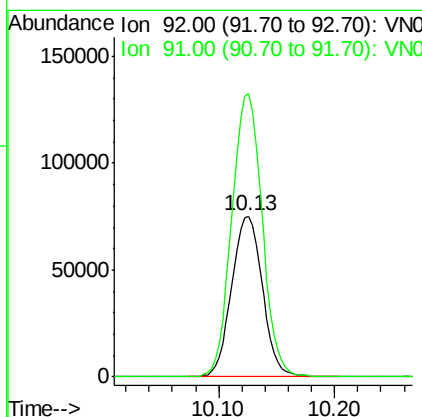
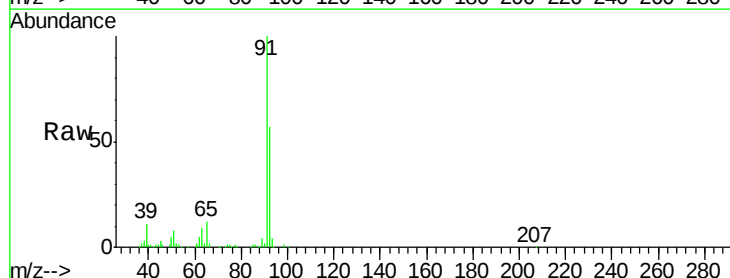
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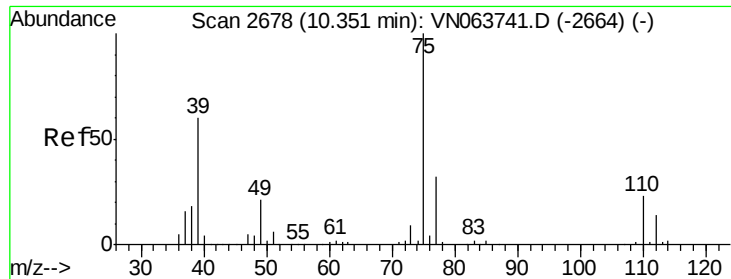
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#52
Toluene
Concen: 18.779 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	140.6	210.8





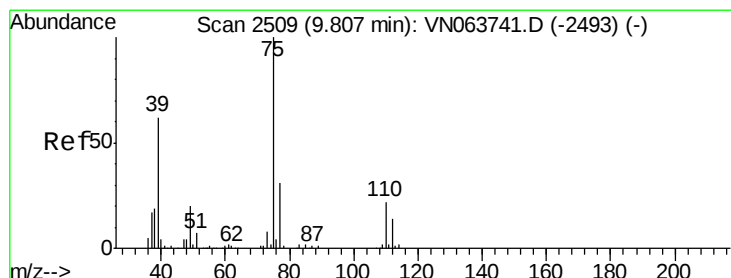
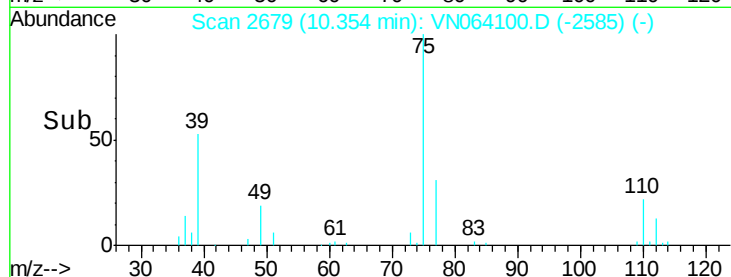
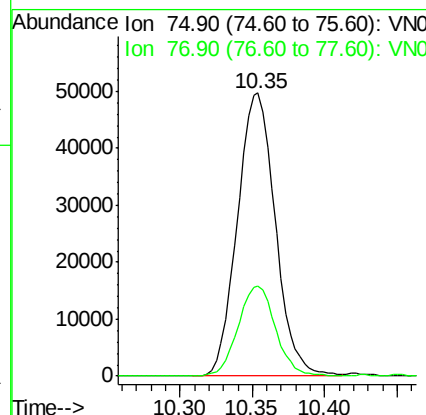
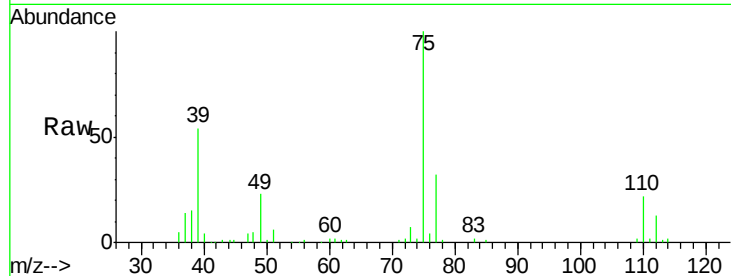
#53
t-1,3-Dichloropropene
Concen: 18.419 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion: 75 Resp: 90648
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9

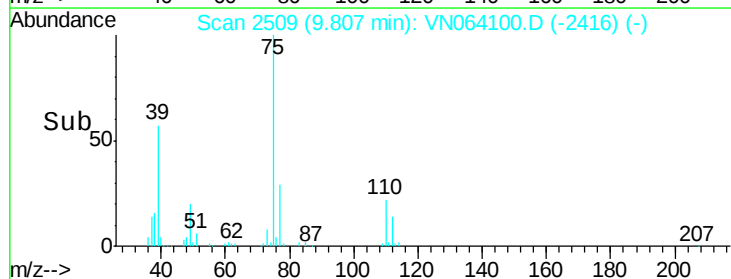
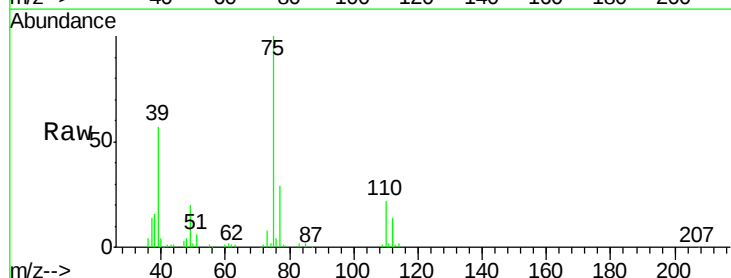
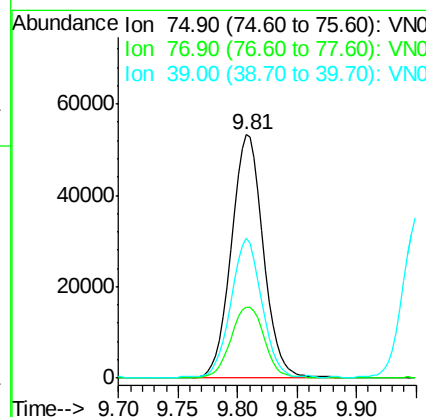
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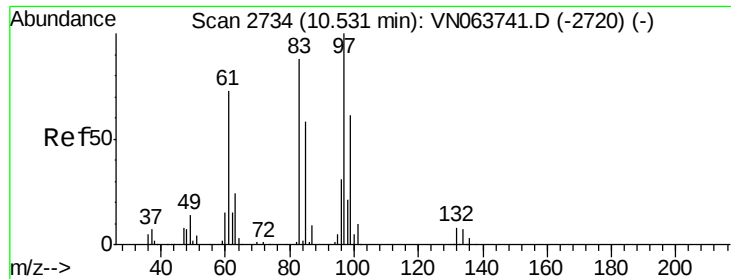
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#54
cis-1,3-Dichloropropene
Concen: 19.318 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 75 Resp: 99425
Ion Ratio Lower Upper
75 100
77 29.0 24.6 36.8
39 57.1 49.7 74.5





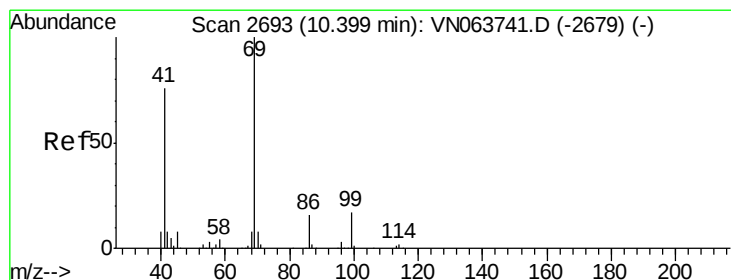
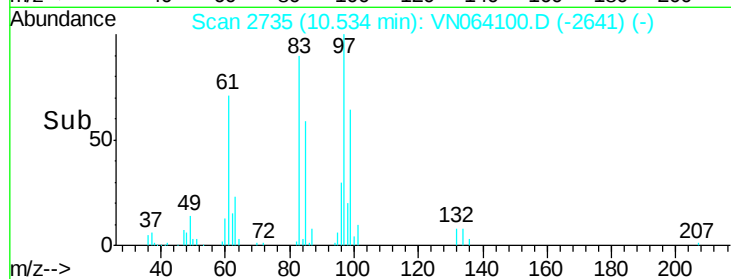
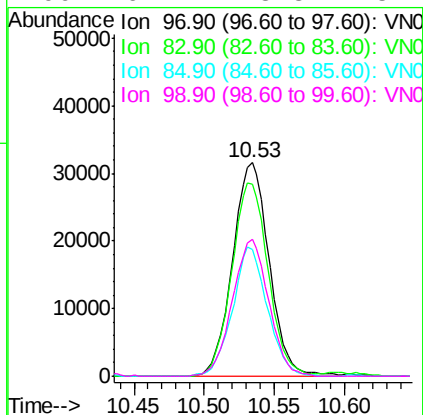
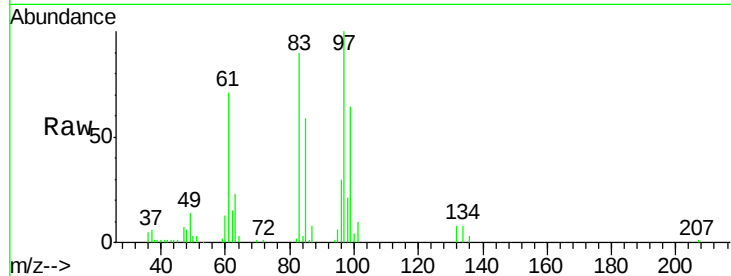
#55
 1,1,2-Trichloroethane
 Concen: 19.377 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion:	97	Resp:	57471
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.7	106.1
85	59.4	46.1	69.1
99	64.4	48.8	73.2

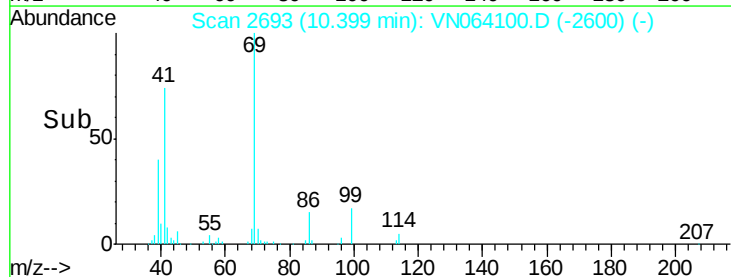
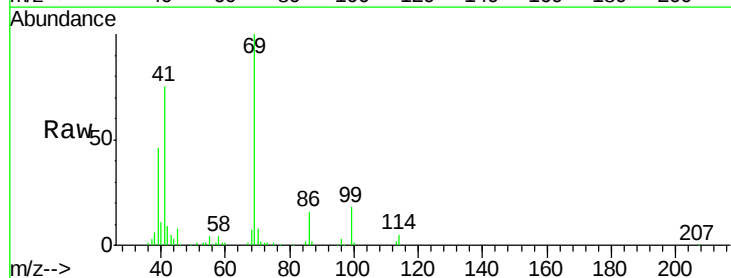
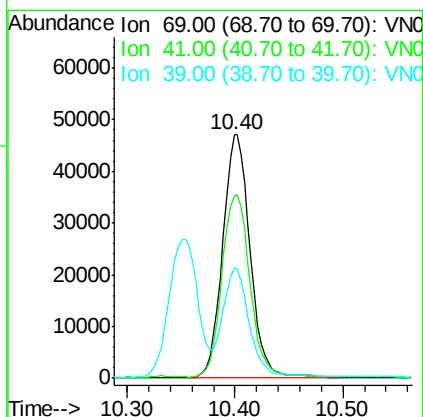
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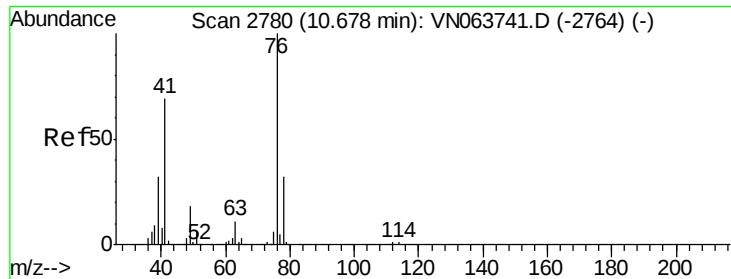
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#56
 Ethyl methacrylate
 Concen: 19.784 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion:	69	Resp:	83173
Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.1	91.7
39	43.1	42.2	63.4





#57

1,3-Dichloropropane

Concen: 19.558 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion: 76 Resp: 98140

Ion Ratio Lower Upper

76 100

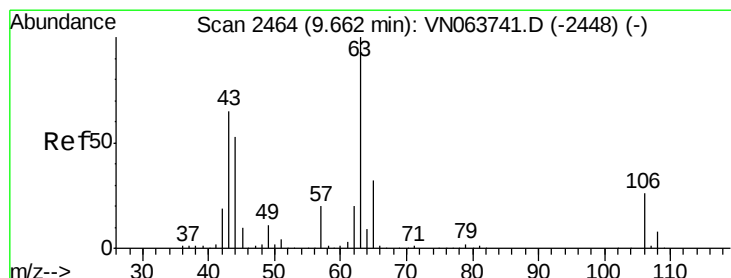
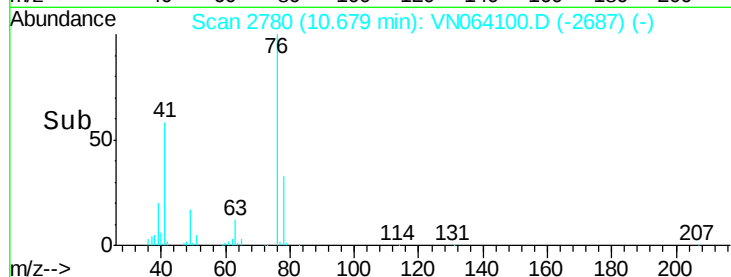
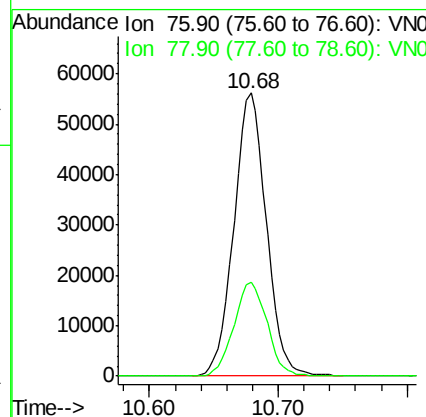
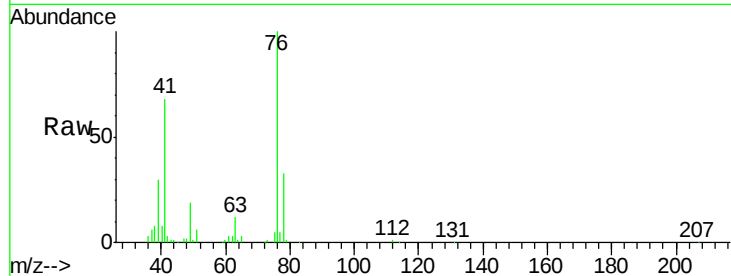
78 33.9 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 99.495 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064100.D

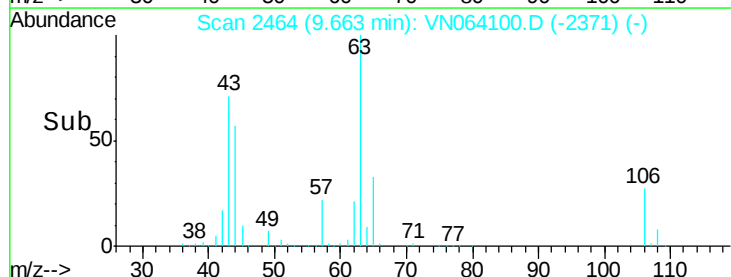
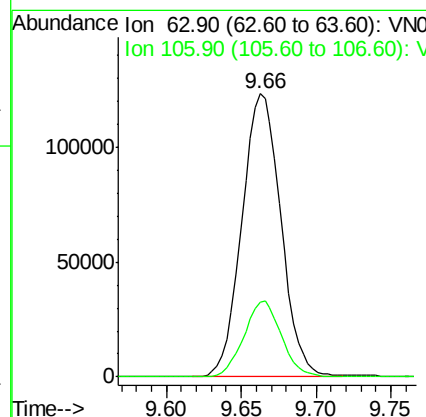
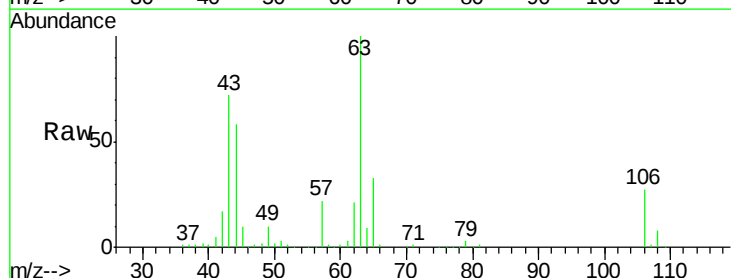
Acq: 13 Oct 2020 14:35

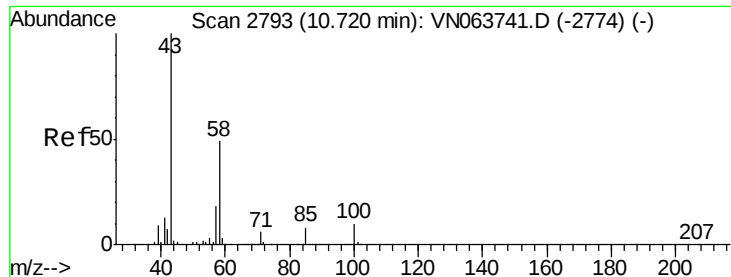
Tgt Ion: 63 Resp: 223746

Ion Ratio Lower Upper

63 100

106 25.7 20.7 31.1





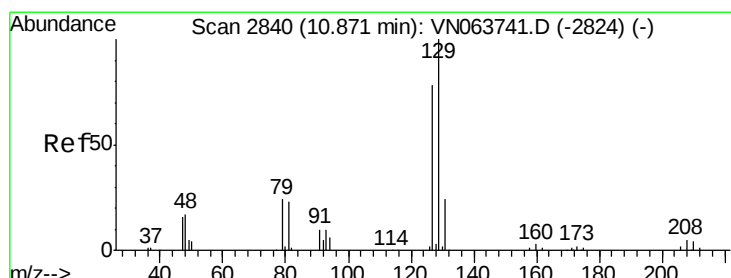
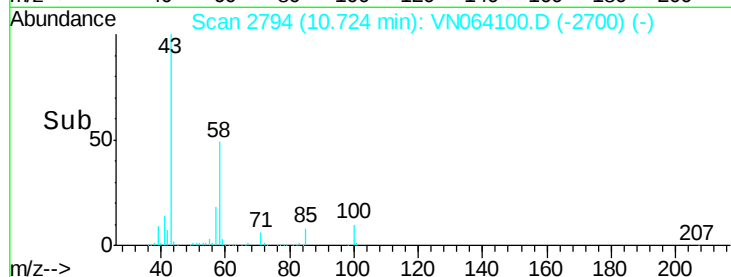
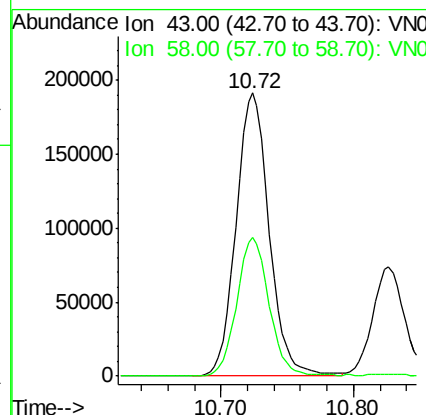
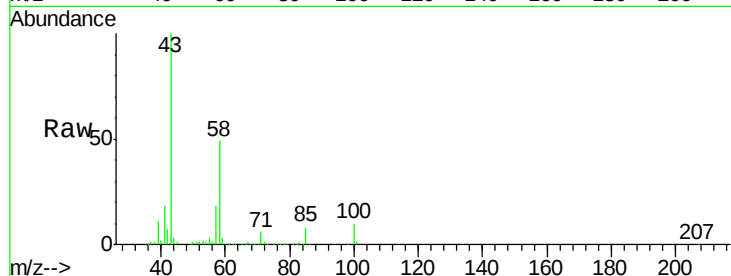
#59
2-Hexanone
Concen: 109.893 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion: 43 Resp: 328652
Ion Ratio Lower Upper
43 100
58 47.9 24.6 73.8

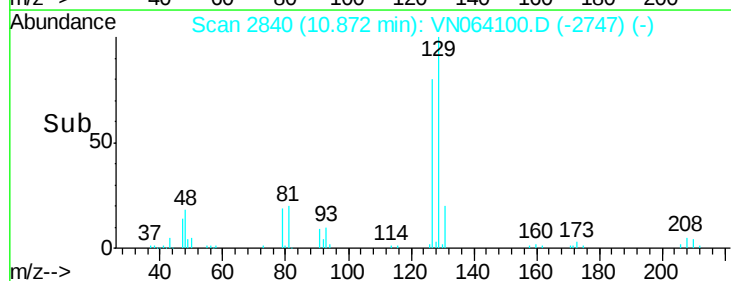
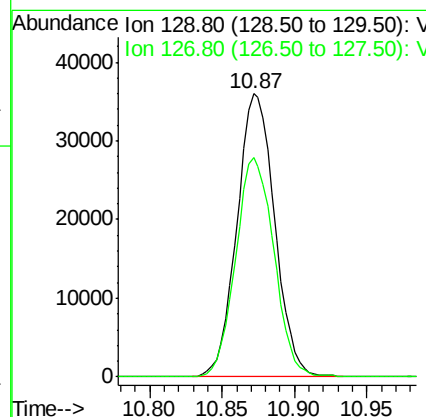
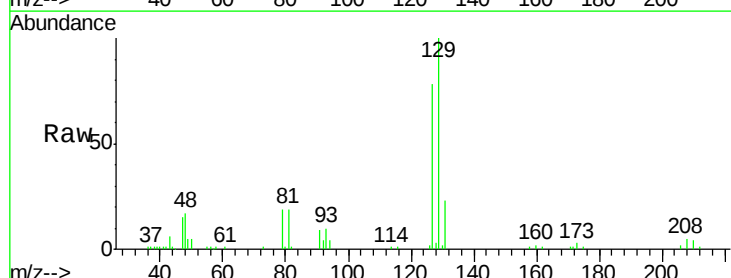
Manual Integrations
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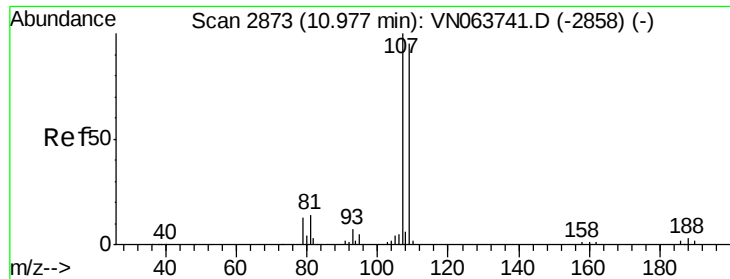
MMDadoda
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#60
Dibromochloromethane
Concen: 18.872 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 129 Resp: 65184
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7





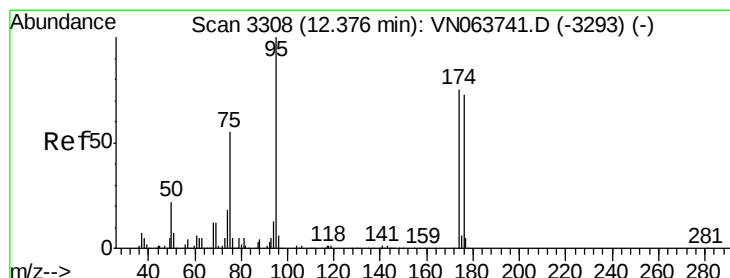
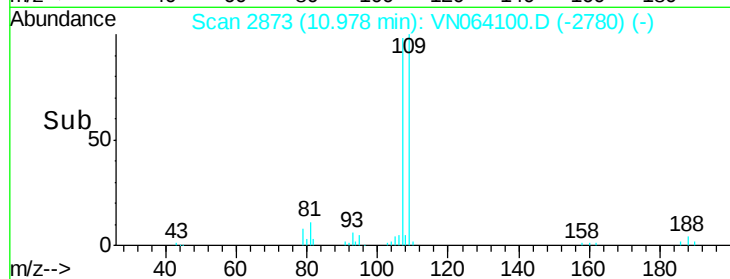
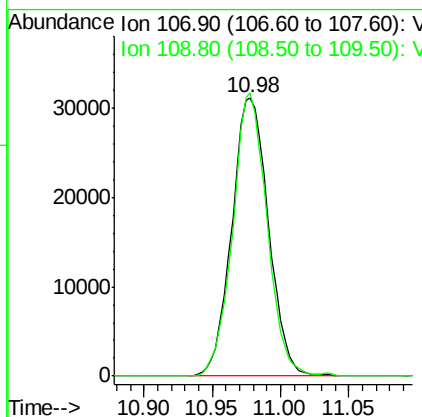
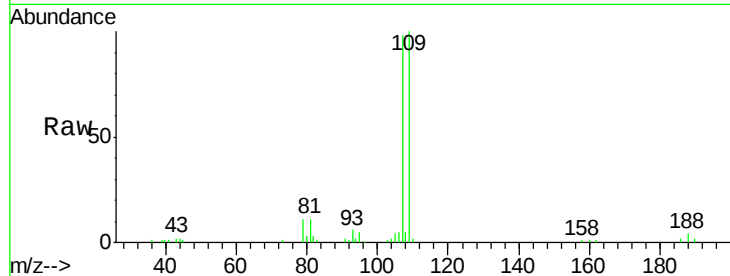
#61
 1,2-Dibromoethane
 Concen: 19.190 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.8	112.2

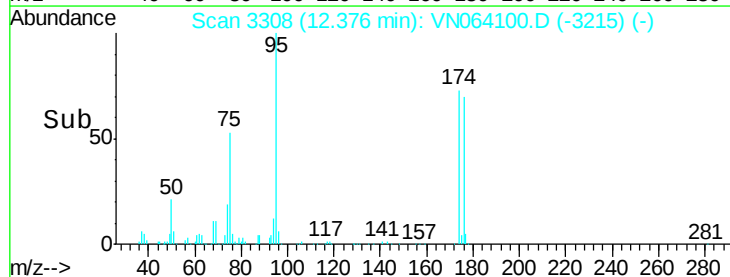
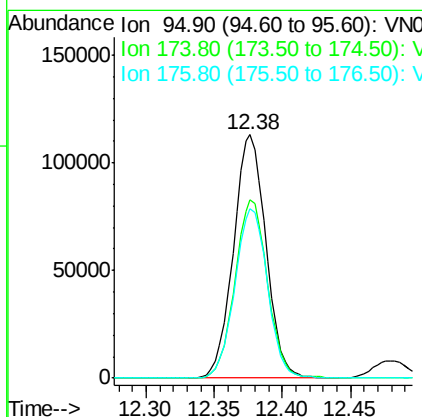
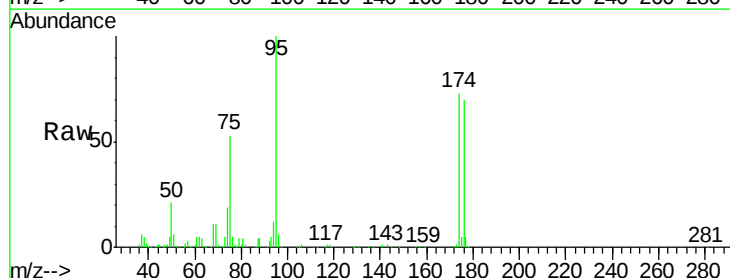
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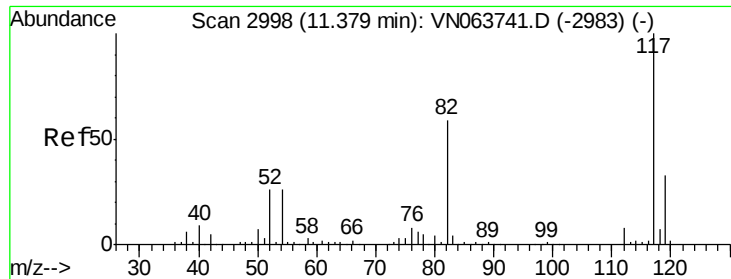
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#62
 4-Bromofluorobenzene
 Concen: 45.641 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	150.6
176	70.2	0.0	145.4





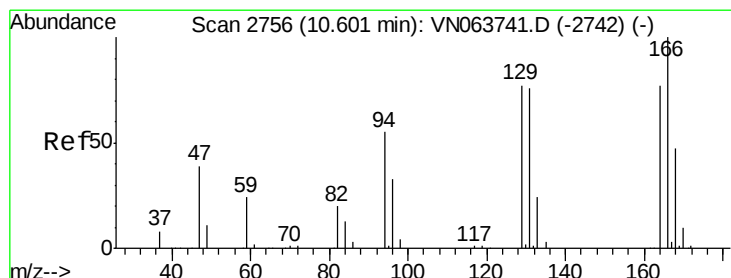
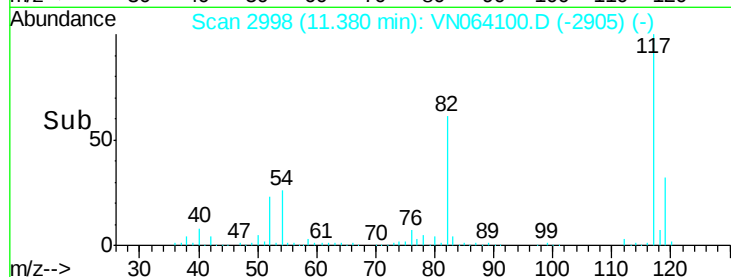
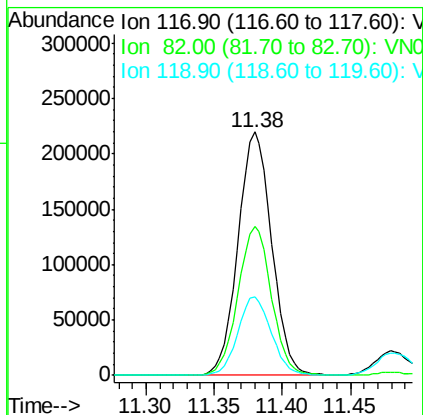
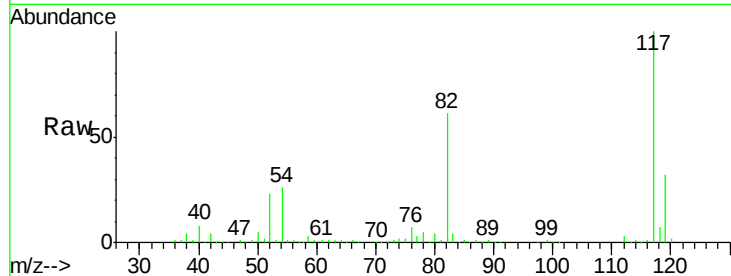
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	47.4	71.2
119	32.1	26.4	39.6

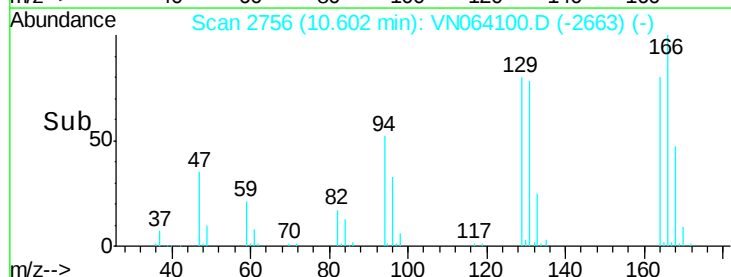
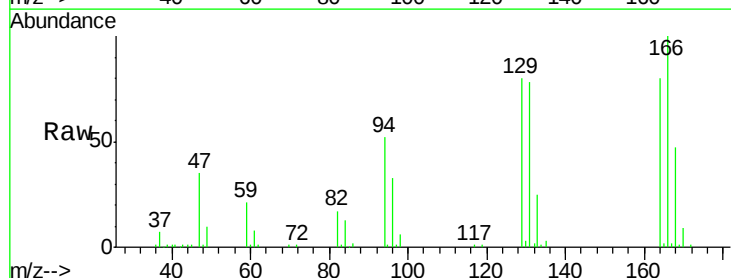
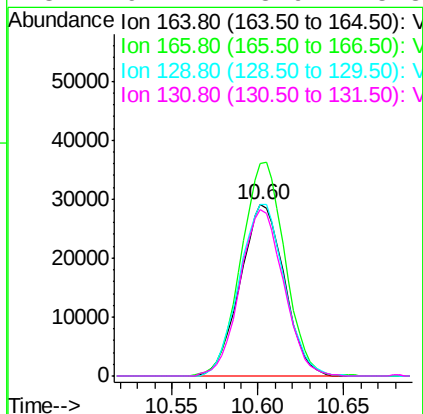
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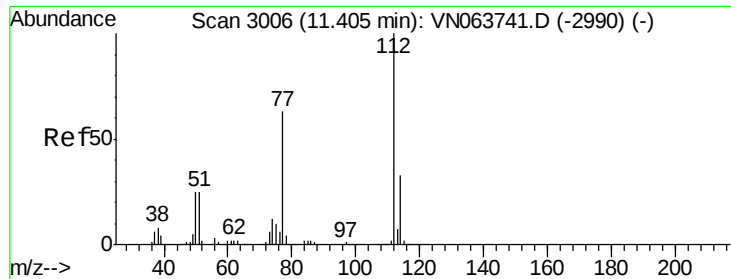
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#64
Tetrachloroethene
Concen: 17.744 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	103.9	155.9
129	100.2	80.3	120.5
131	97.4	78.9	118.3





#65

Chlorobenzene

Concen: 18.944 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion:112 Resp: 146670

Ion Ratio Lower Upper

112 100

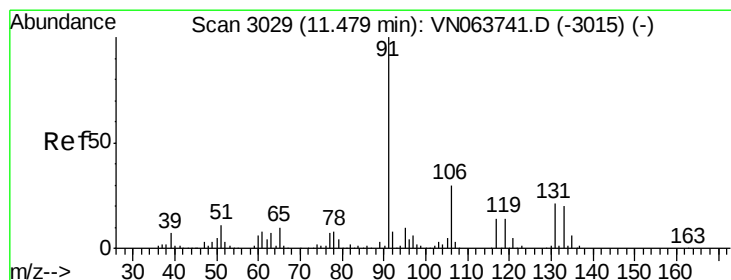
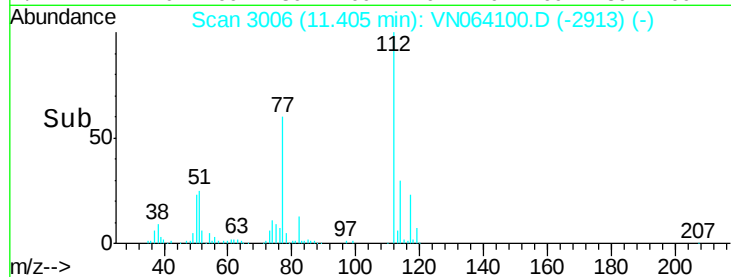
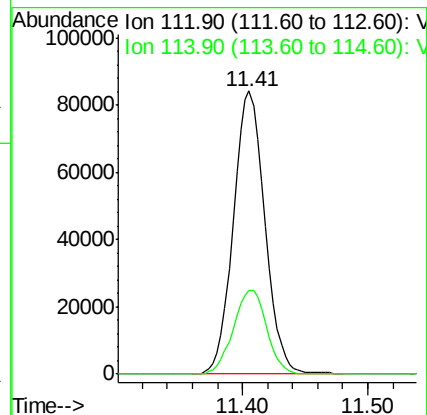
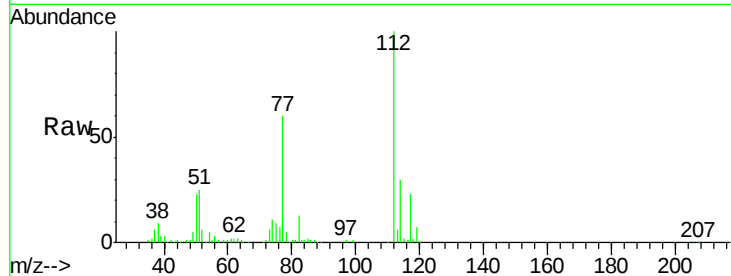
114 29.6 26.1 39.1

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.633 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

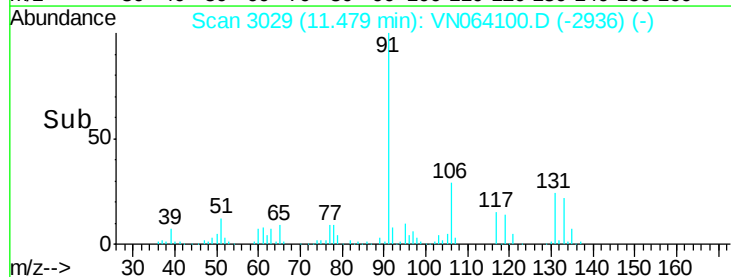
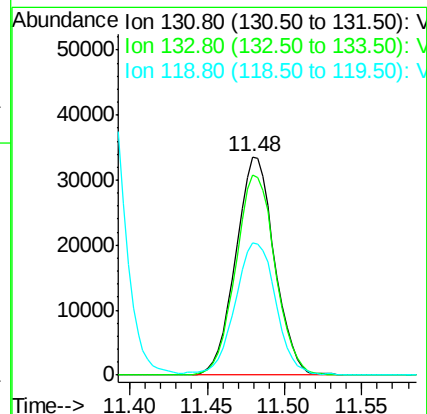
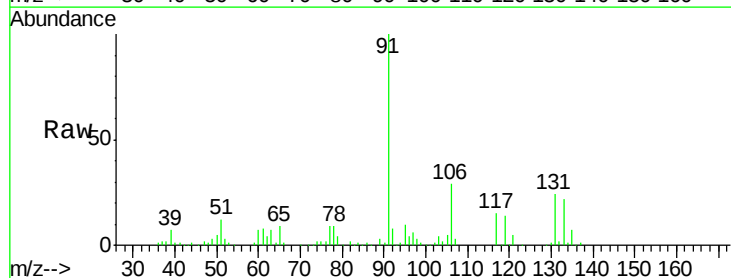
Tgt Ion:131 Resp: 58272

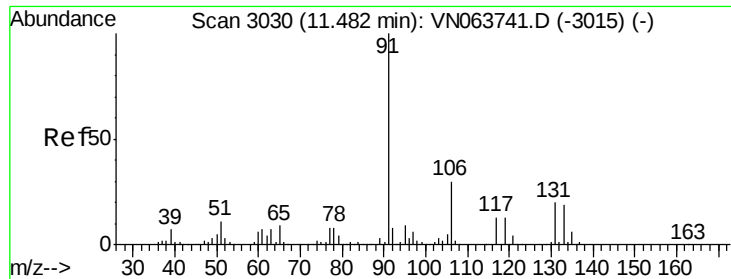
Ion Ratio Lower Upper

131 100

133 93.9 47.3 141.8

119 64.2 32.6 97.7





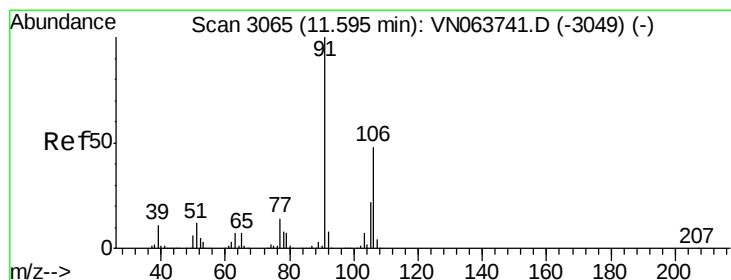
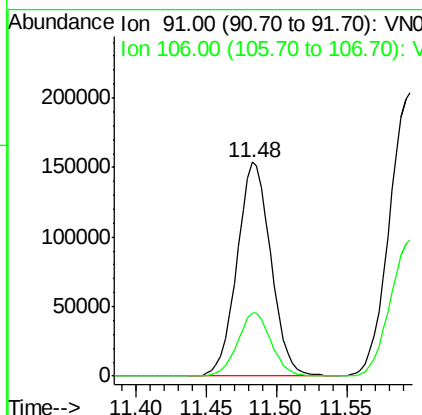
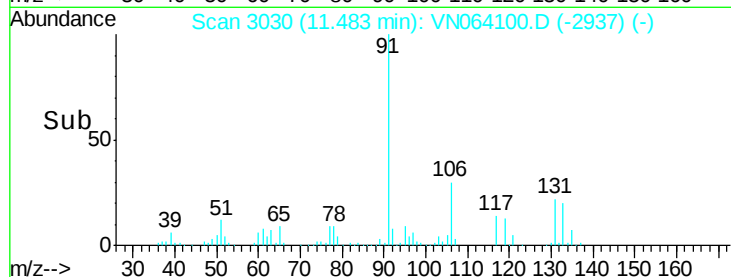
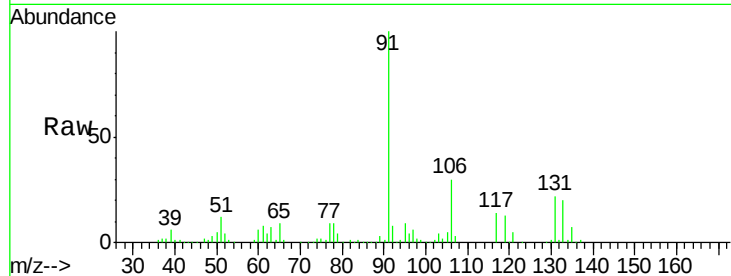
#67
Ethyl Benzene
Concen: 18.370 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion: 91 Resp: 258799
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.2

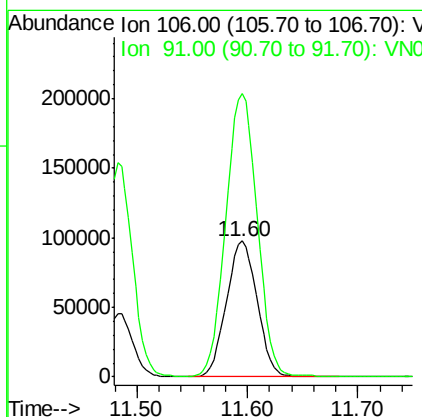
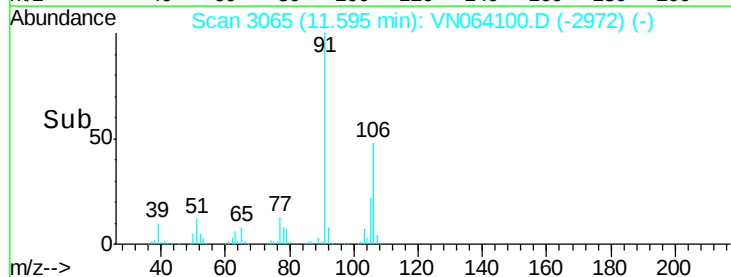
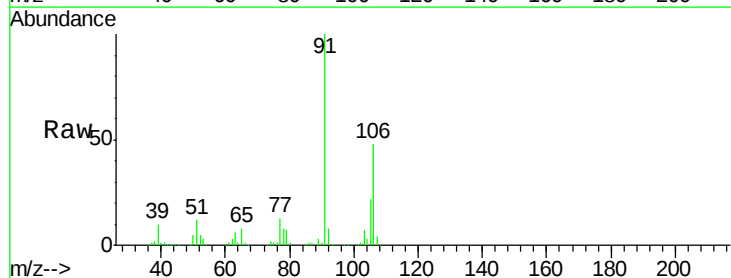
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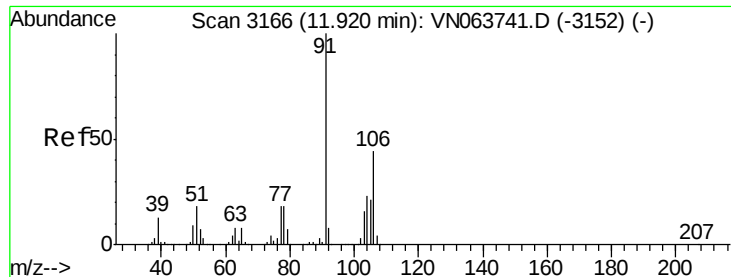
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#68
m/p-Xylenes
Concen: 36.046 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 106 Resp: 189262
Ion Ratio Lower Upper
106 100
91 211.4 168.0 252.0





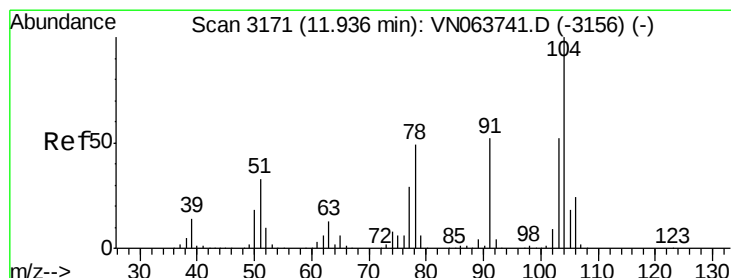
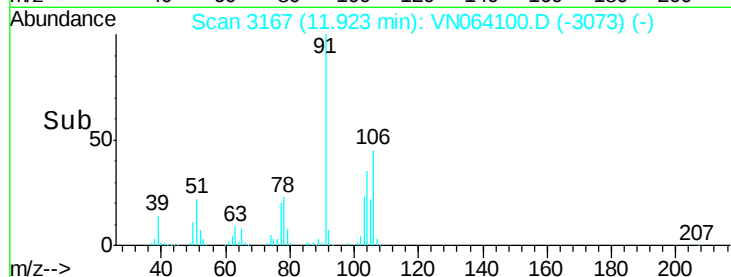
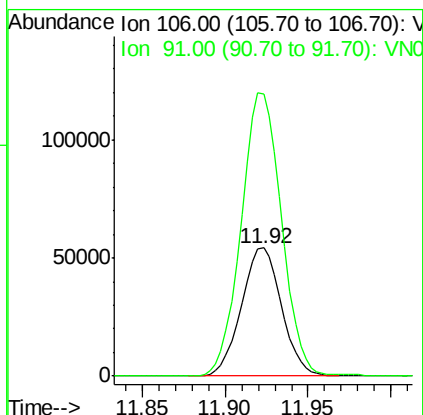
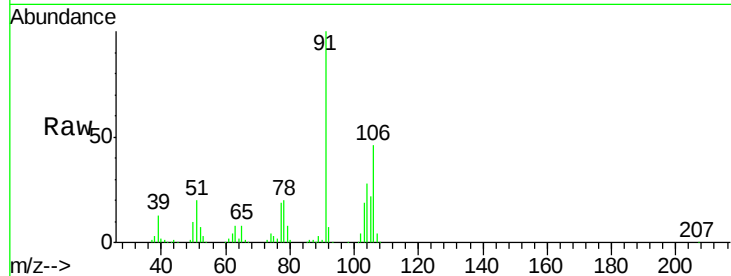
#69
o-Xylene
Concen: 18.685 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion:106 Resp: 91697
Ion Ratio Lower Upper
106 100
91 220.7 112.7 338.0

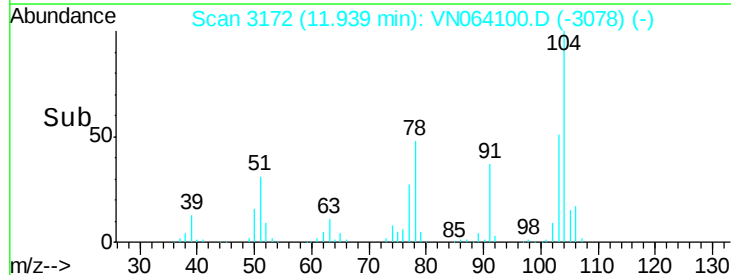
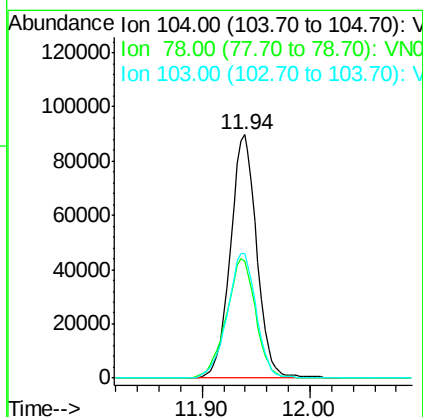
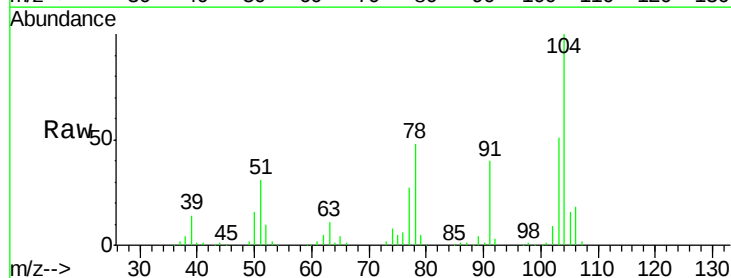
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#70
Styrene
Concen: 18.356 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion:104 Resp: 152915
Ion Ratio Lower Upper
104 100
78 55.0 44.1 66.1
103 56.3 44.3 66.5





#71

Bromoform

Concen: 19.276 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

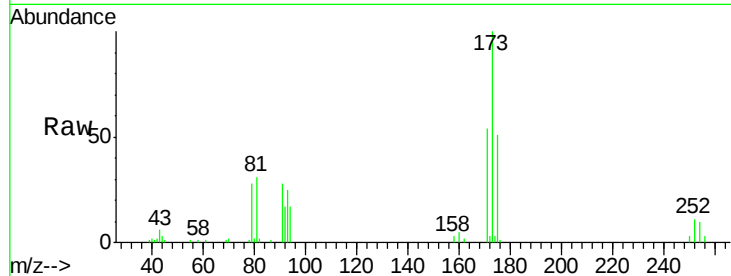
ClientSampleId :

VN1013WBS01

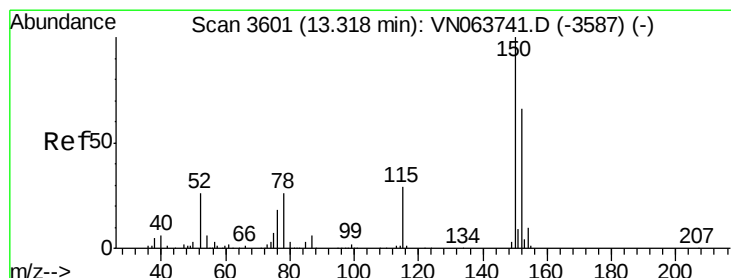
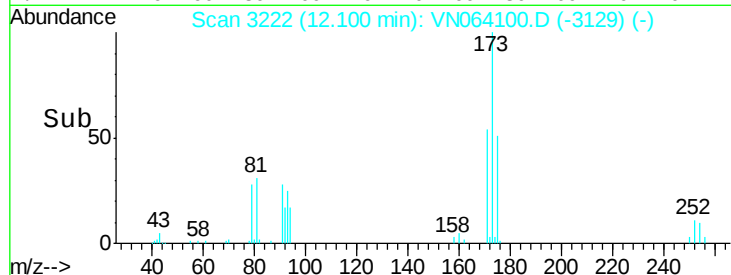
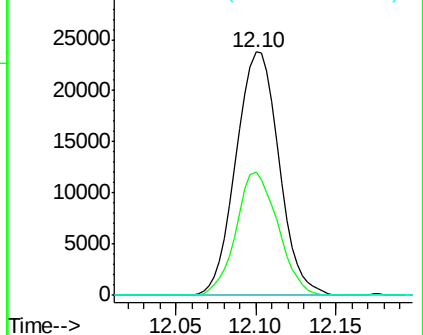
Tot Ion:	173	Resp:	43757
Ion Ratio	Lower	Upper	
173	100		
175	49.0	23.5	70.5
254	0.0	0.0	0.0

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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

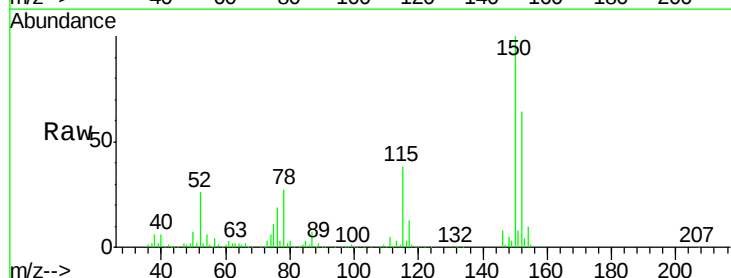
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

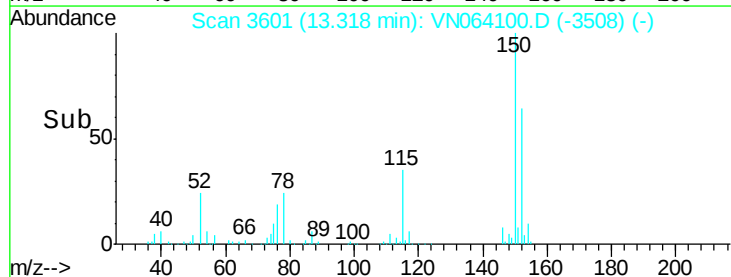
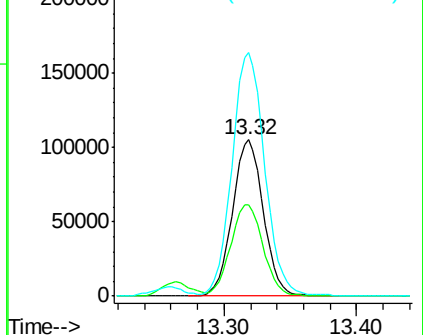
Lab File: VN064100.D

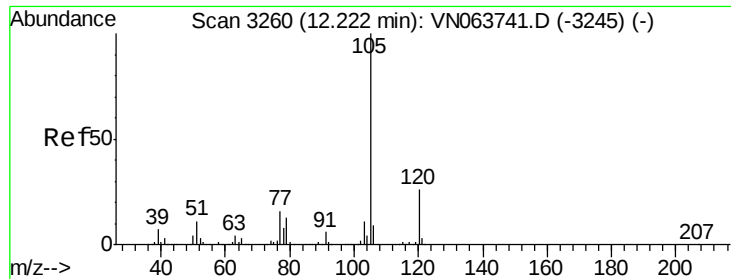
Acq: 13 Oct 2020 14:35

Tgt Ion:	152	Resp:	170741
Ion Ratio	Lower	Upper	
152	100		
115	60.8	31.3	93.8
150	164.0	0.0	341.8



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: 19.318 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion: 105 Resp: 240587

Ion Ratio Lower Upper

105 100

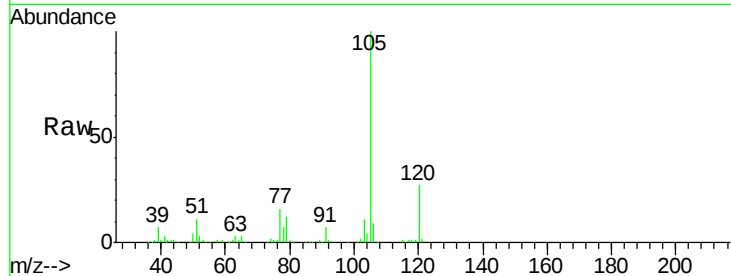
120 25.6 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

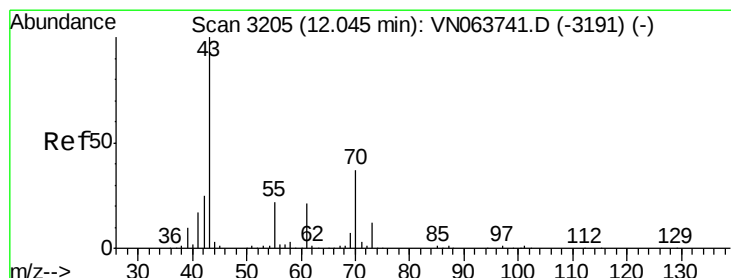
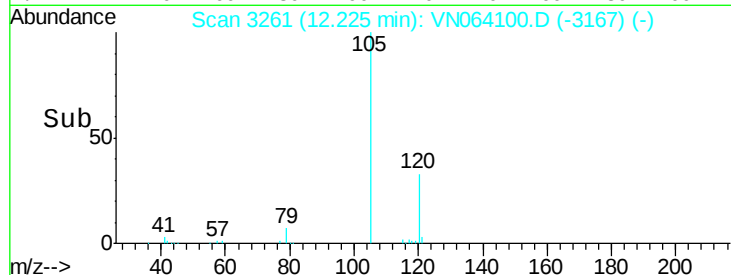
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.204 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion: 43 Resp: 115007

Ion Ratio Lower Upper

43 100

70 35.4 29.8 44.8

55 23.6 17.9 26.9

61 21.6 17.0 25.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

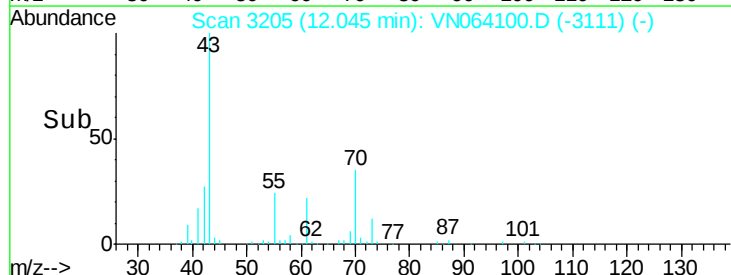
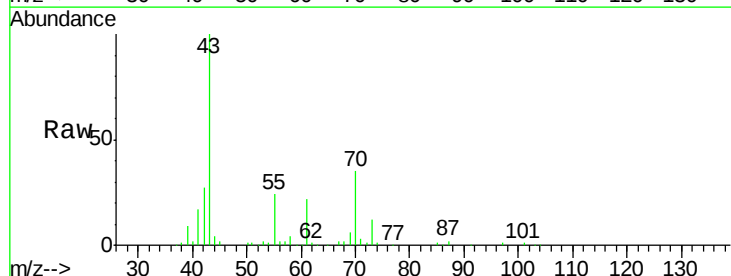
60000

40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.342 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion: 83 Resp: 85083

Ion Ratio Lower Upper

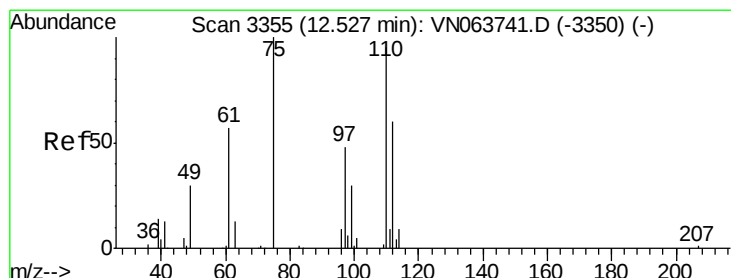
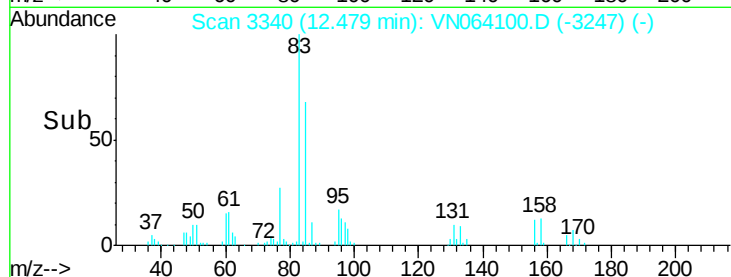
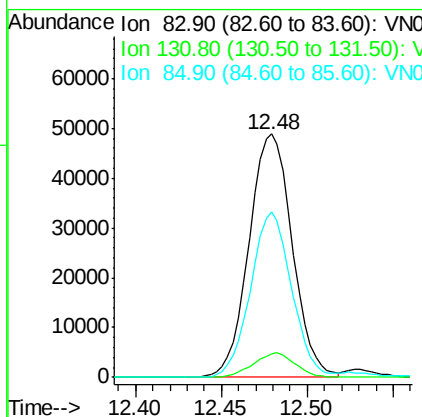
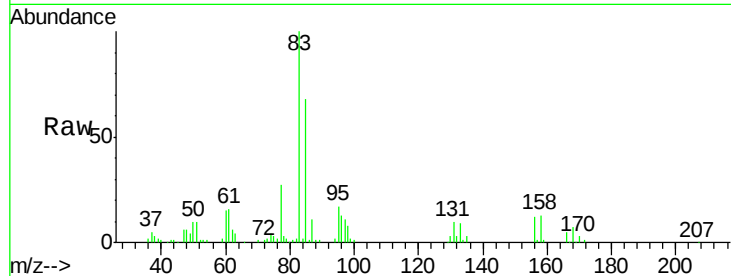
83 100

131 9.7 5.3 15.8

85 64.2 31.3 93.8

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#76

1,2,3-Trichloropropane

Concen: 21.462 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064100.D

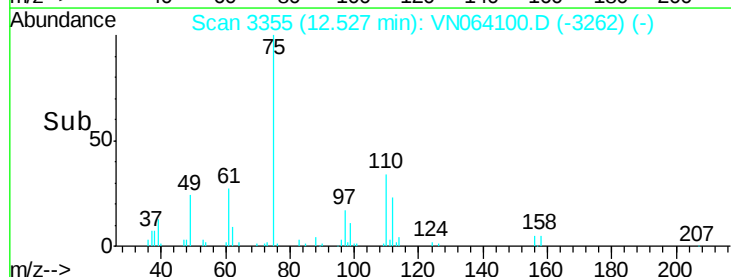
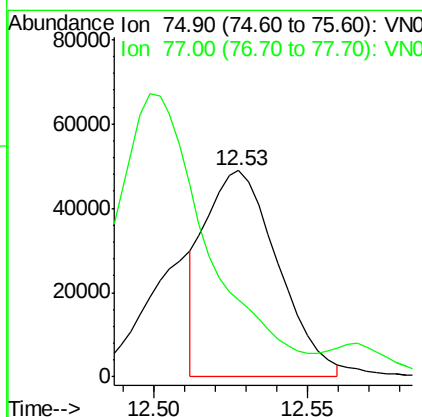
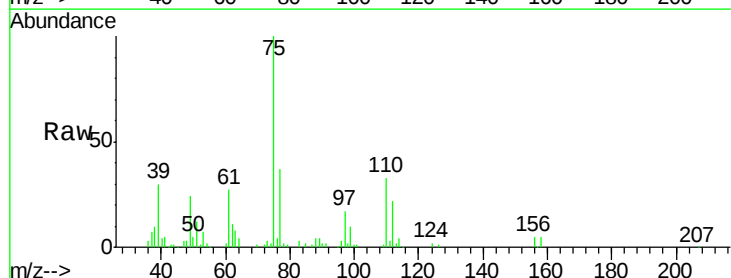
Acq: 13 Oct 2020 14:35

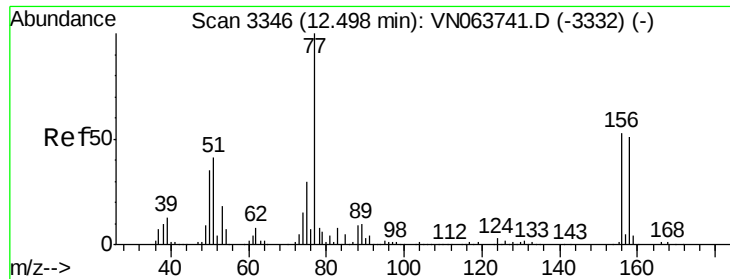
Tgt Ion: 75 Resp: 80779

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.164 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion:156 Resp: 61619

Ion Ratio Lower Upper

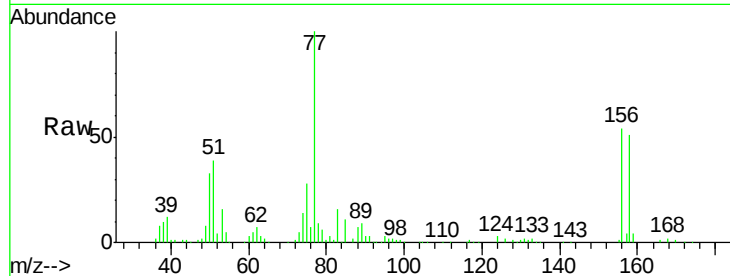
156 100

77 228.8 110.9 332.7

158 97.0 47.7 143.1

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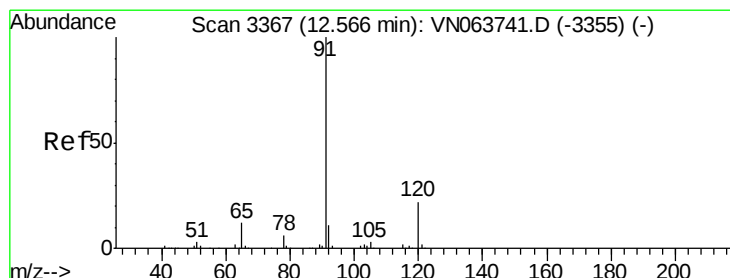
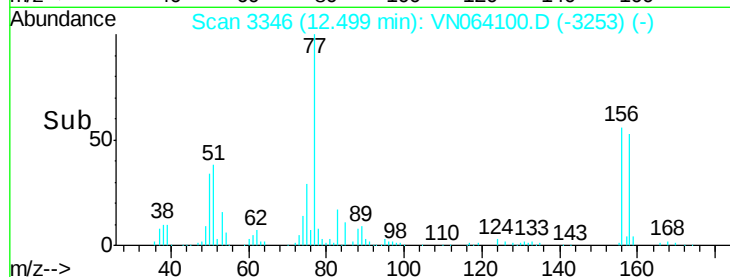
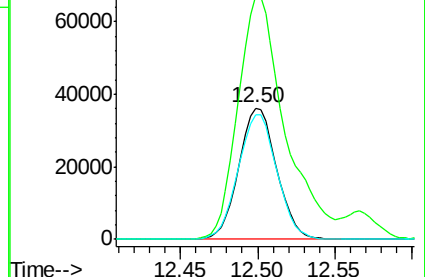
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.874 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064100.D

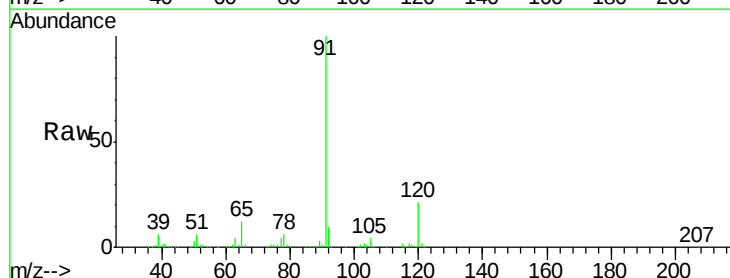
Acq: 13 Oct 2020 14:35

Tgt Ion: 91 Resp: 273560

Ion Ratio Lower Upper

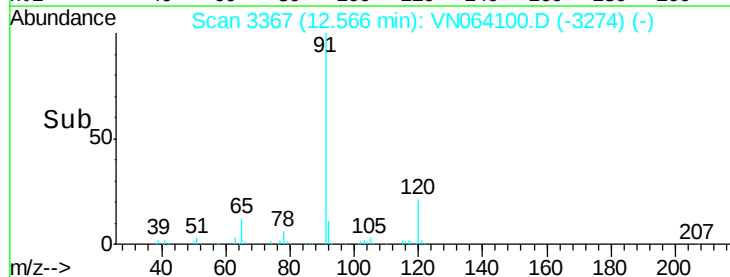
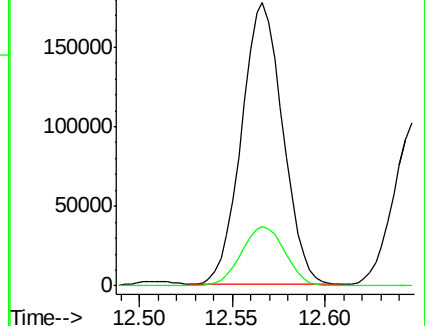
91 100

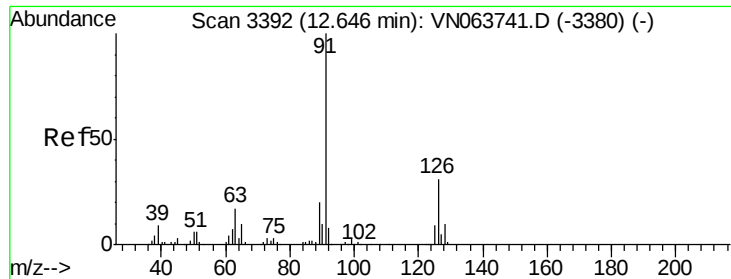
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.333 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

Tot Ion: 91 Resp: 172333

Ion Ratio Lower Upper

91 100

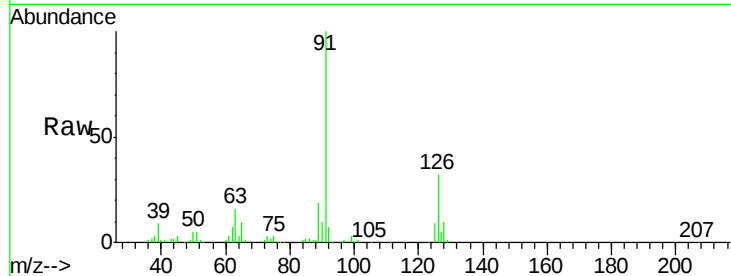
126 32.5 15.9 47.7

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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)

150000

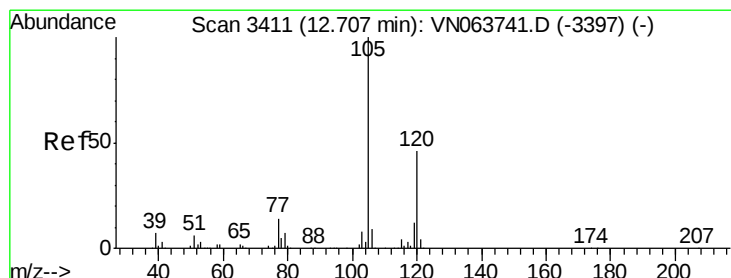
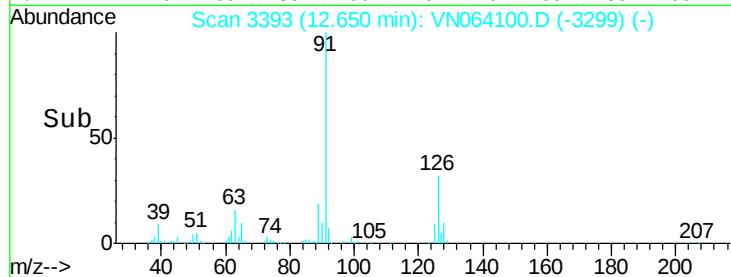
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.690 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064100.D

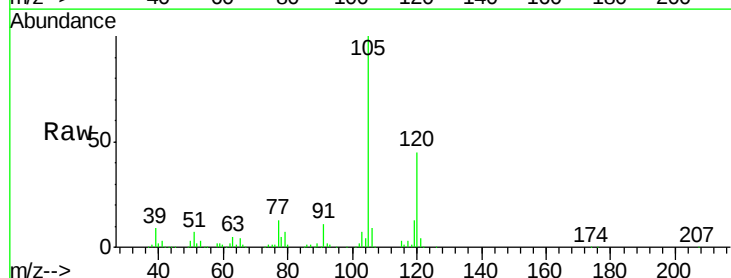
Acq: 13 Oct 2020 14:35

Tgt Ion: 105 Resp: 205718

Ion Ratio Lower Upper

105 100

120 44.4 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

150000

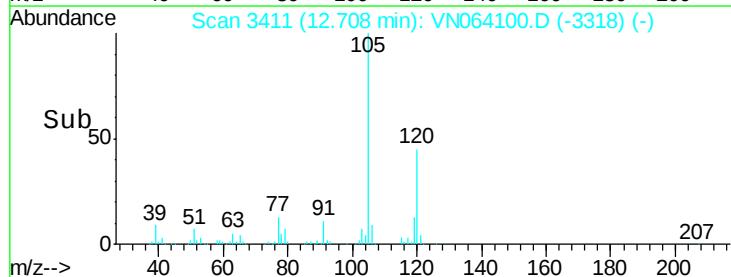
100000

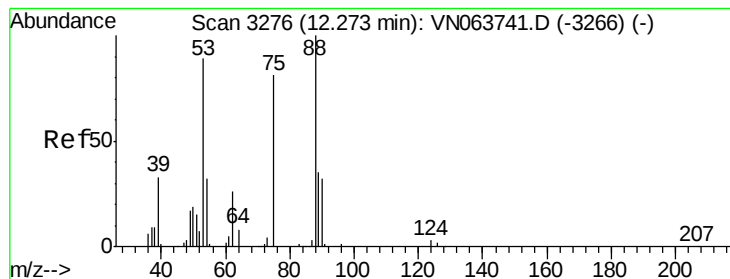
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.171 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

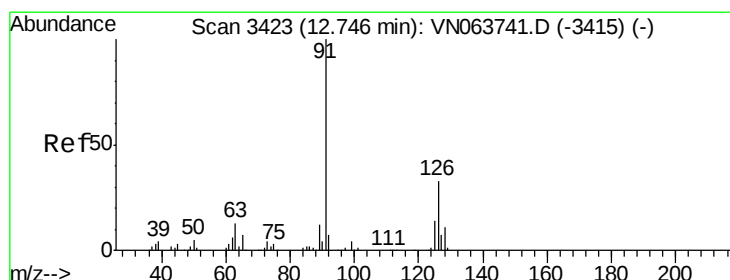
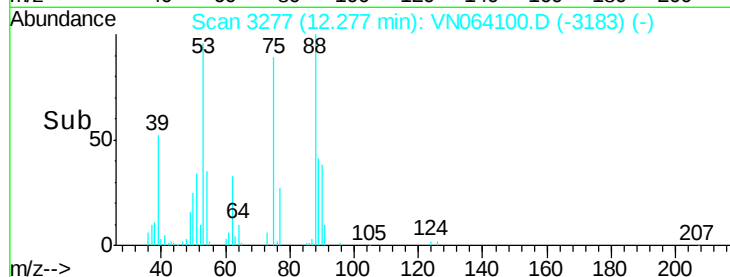
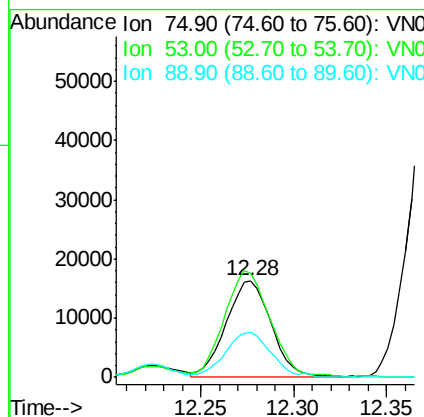
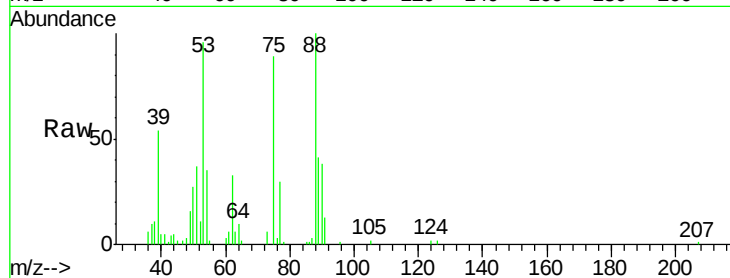
ClientSampleId :

VN1013WBS01

Tot Ion:	75	Resp:	27667
Ion	Ratio	Lower	Upper
75	100		
53	112.3	88.2	132.2
89	47.2	36.0	54.0

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#82

4-Chlorotoluene

Concen: 19.395 ug/l

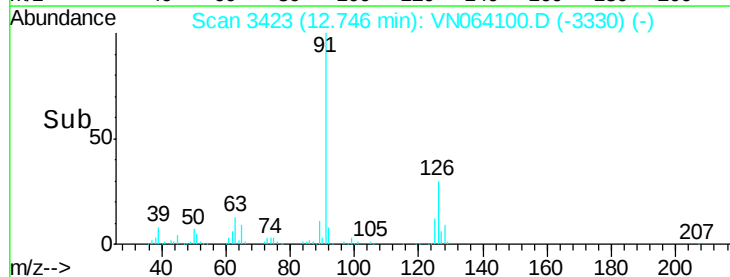
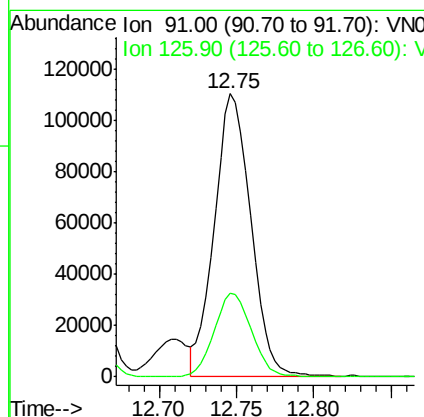
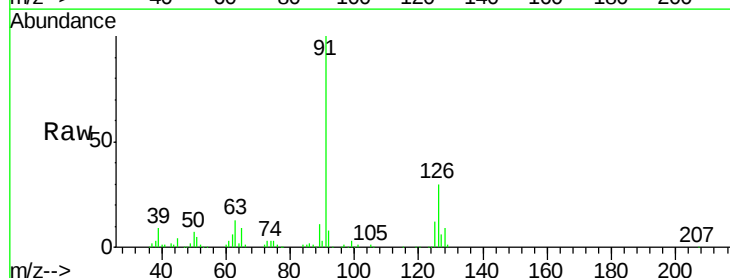
RT: 12.75 min Scan# 3423

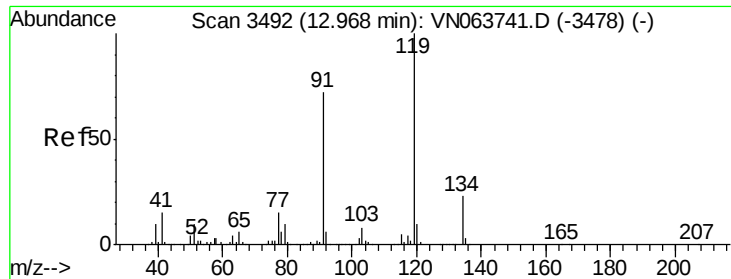
Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion:	91	Resp:	179470
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.4	46.2





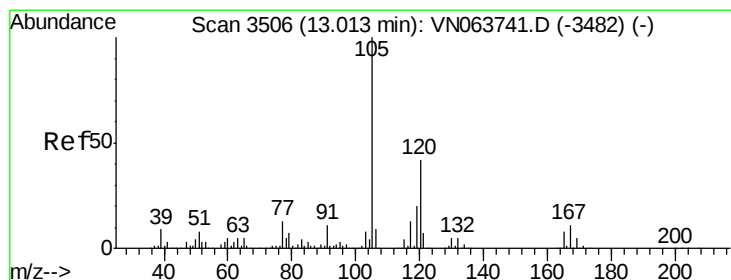
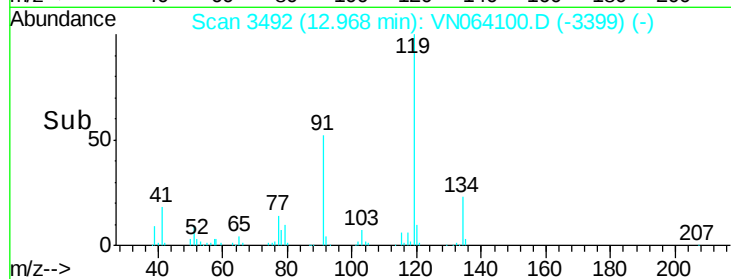
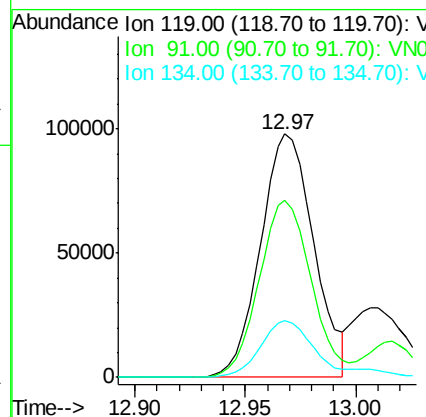
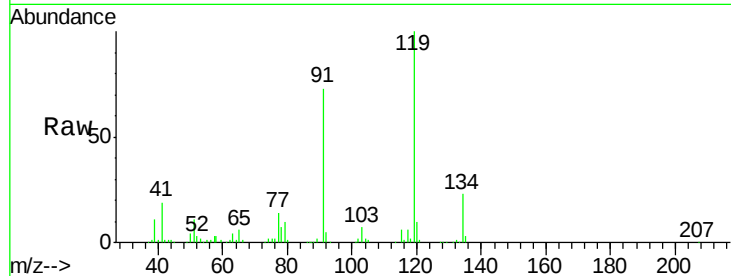
#83
tert-Butylbenzene
Concen: 19.160 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	163745		
91	71.3	35.5	106.5	
134	22.9	11.7	35.1	

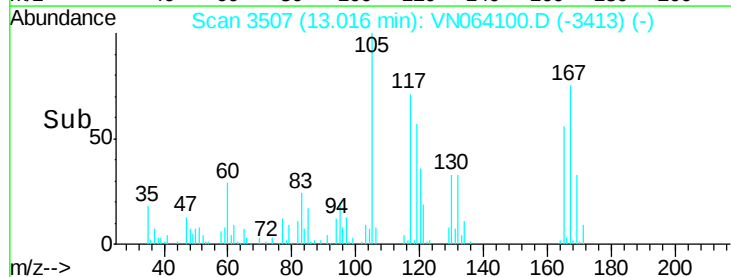
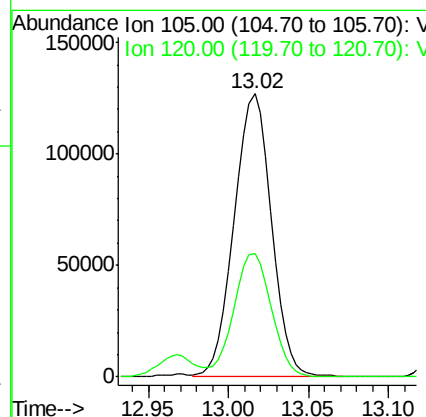
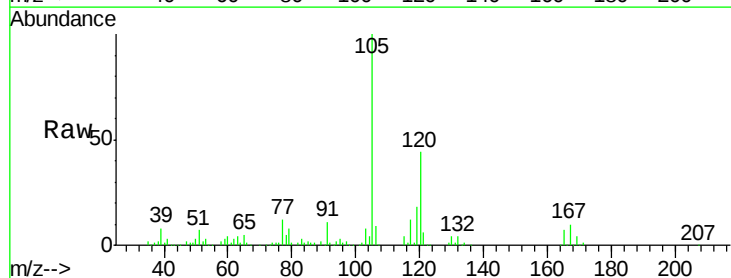
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#84
1,2,4-Trimethylbenzene
Concen: 19.150 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	199765		
120	44.2	20.9	62.7	





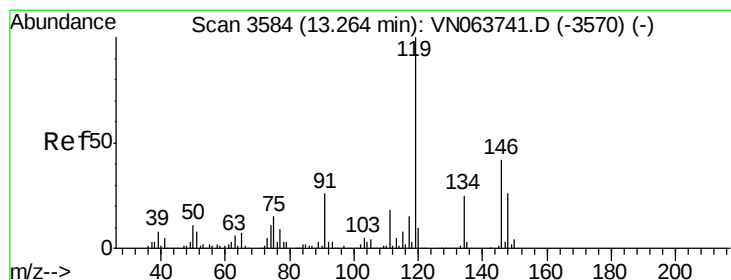
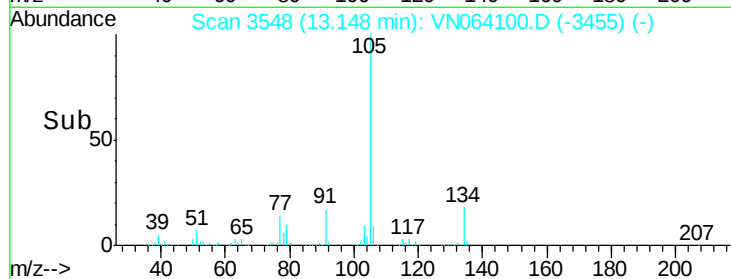
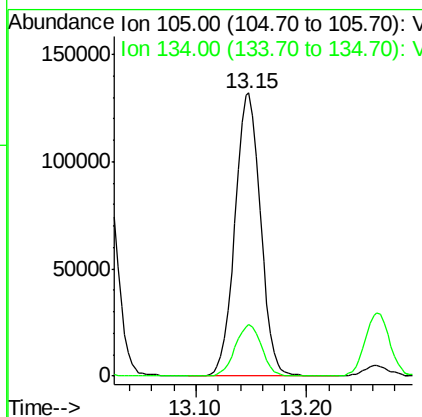
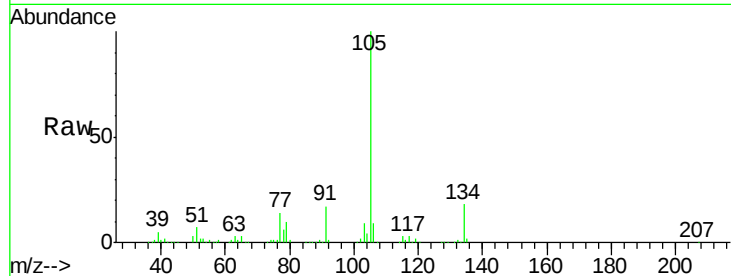
#85
 sec-Butylbenzene
 Concen: 18.896 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	212103		
134	18.7	9.5	28.5	

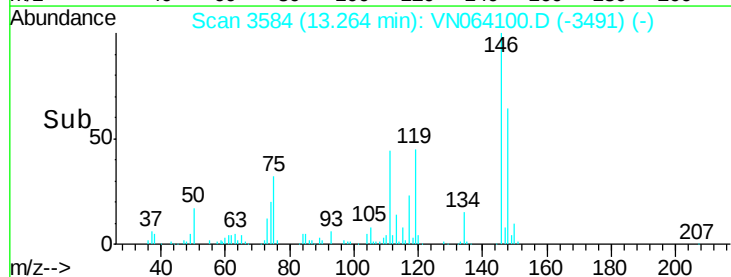
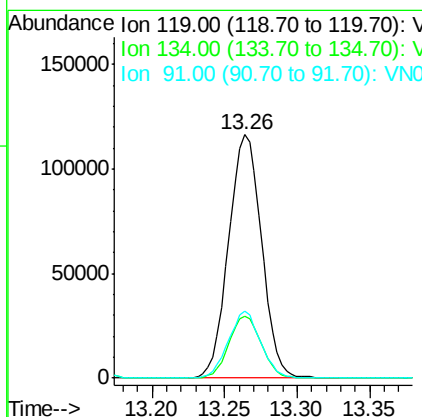
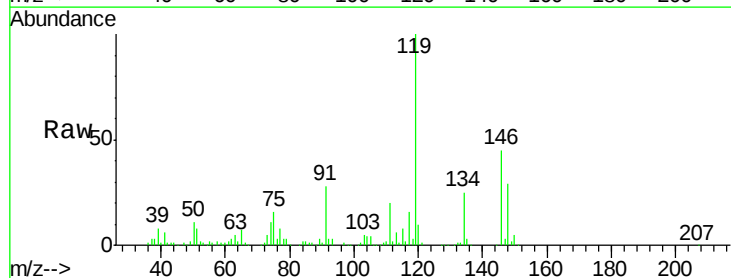
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#86
 p-Isopropyltoluene
 Concen: 18.595 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	184655		
134	25.1	12.6	37.8	
91	26.4	13.4	40.2	





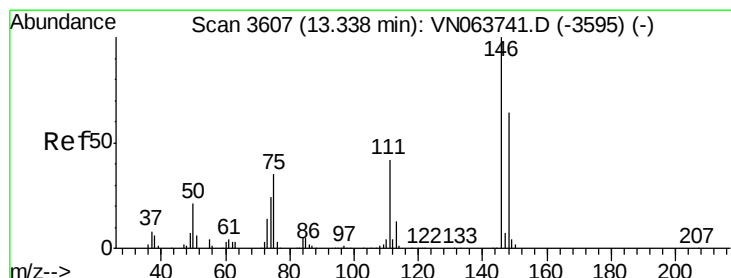
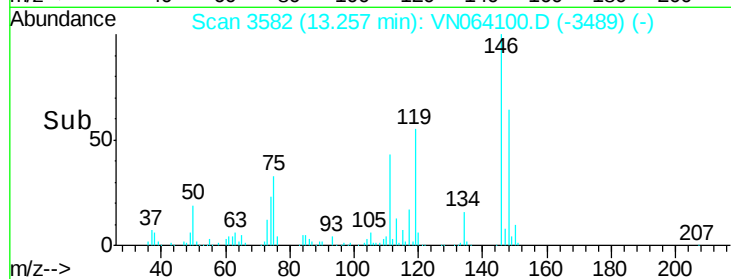
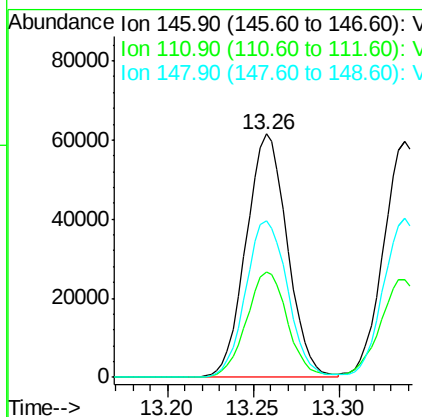
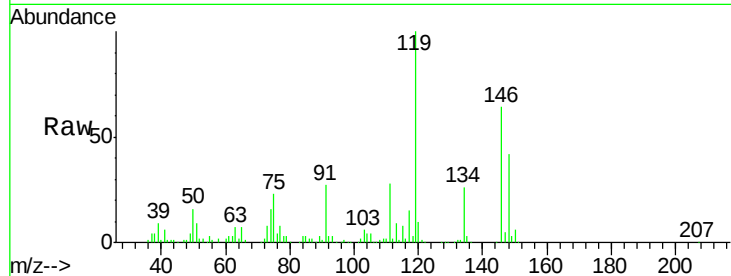
#87
 1,3-Dichlorobenzene
 Concen: 18.517 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.5	64.5
148	65.2	31.1	93.3

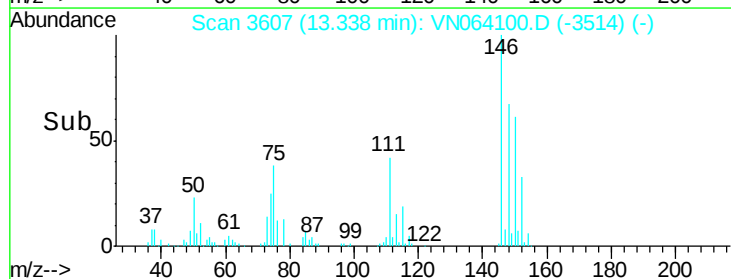
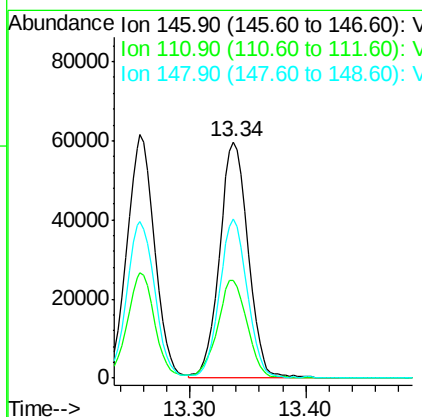
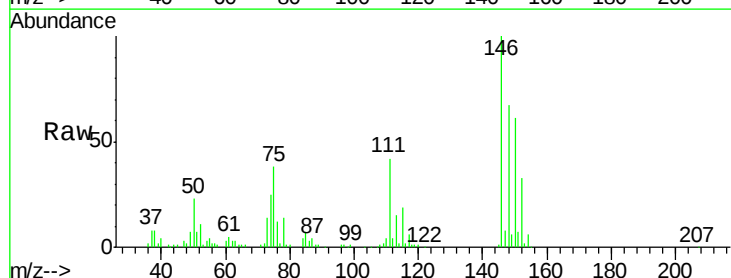
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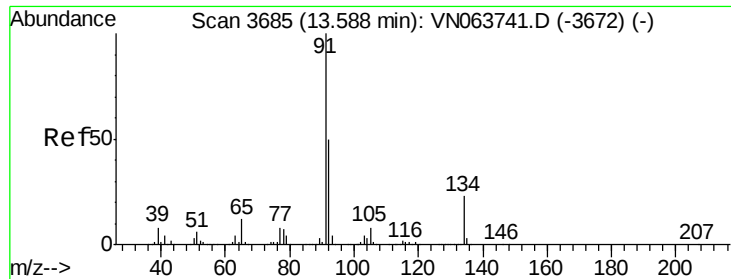
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#88
 1,4-Dichlorobenzene
 Concen: 17.871 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.7
148	64.4	32.0	96.0





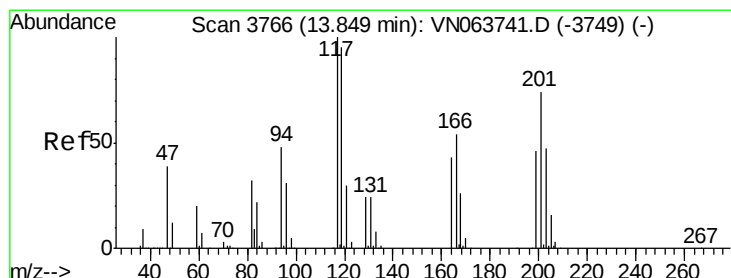
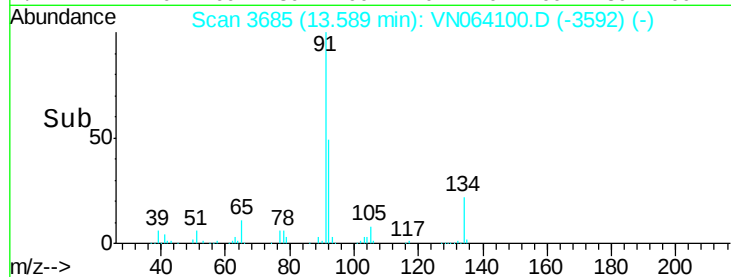
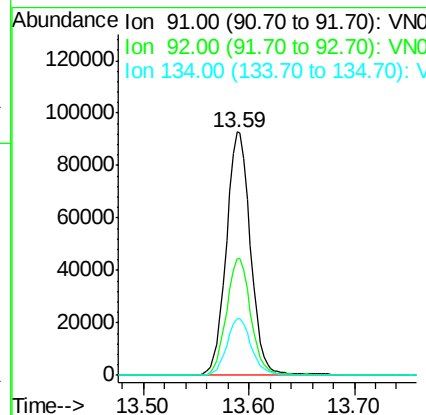
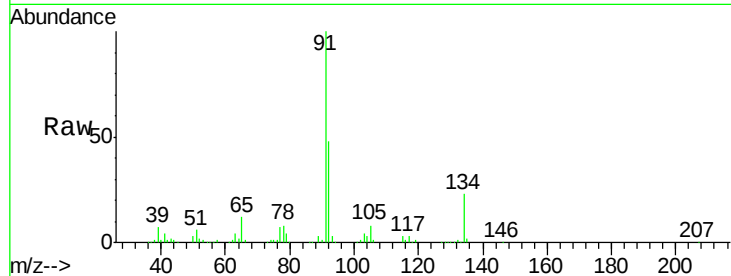
#89
n-Butylbenzene
Concen: 16.097 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.1	25.4	76.4
134	23.4	11.7	35.1

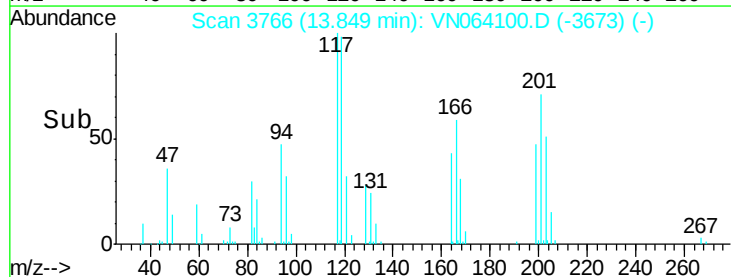
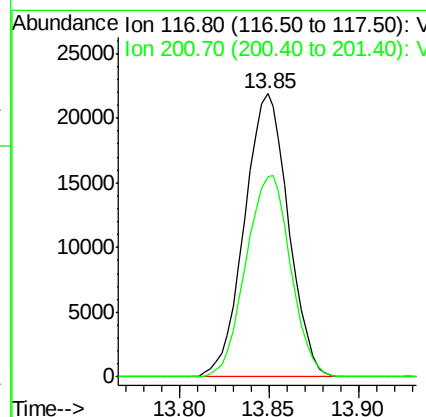
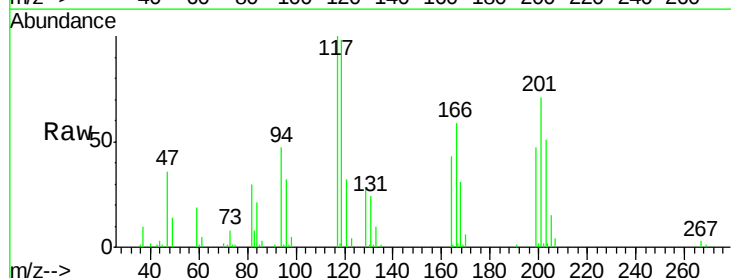
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#90
Hexachloroethane
Concen: 19.558 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	36.0	108.0





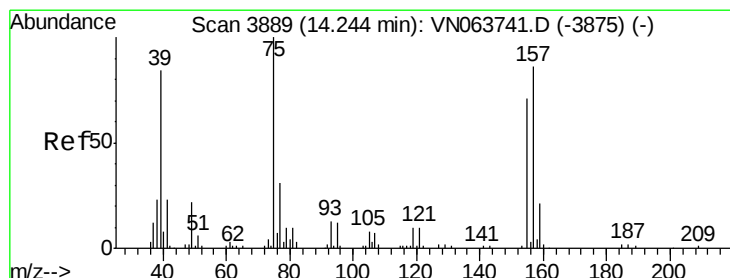
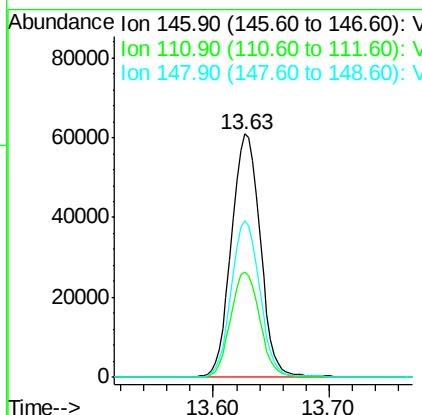
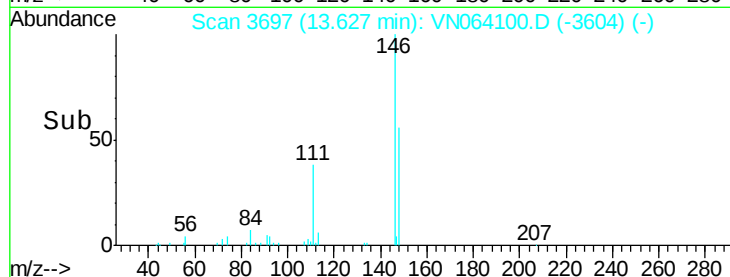
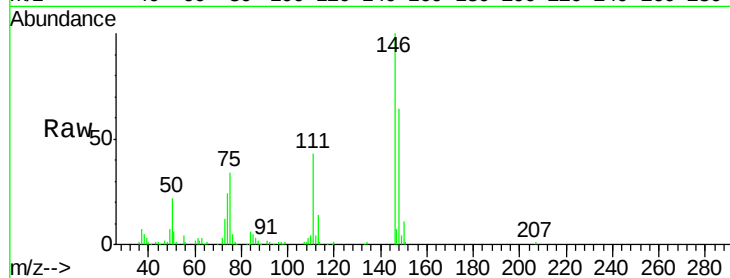
#91
 1,2-Dichlorobenzene
 Concen: 19.302 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	63.5	32.5	97.4

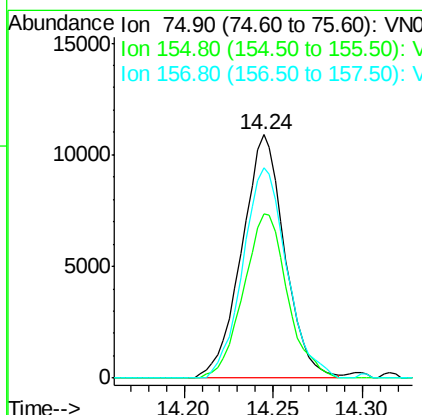
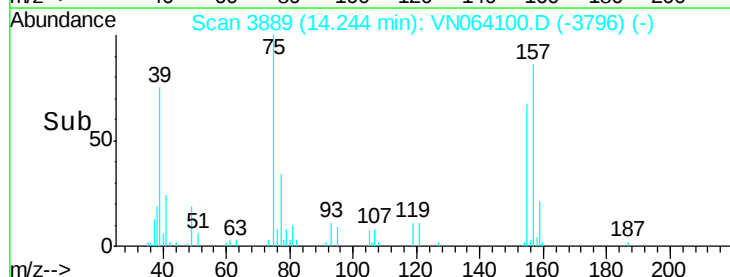
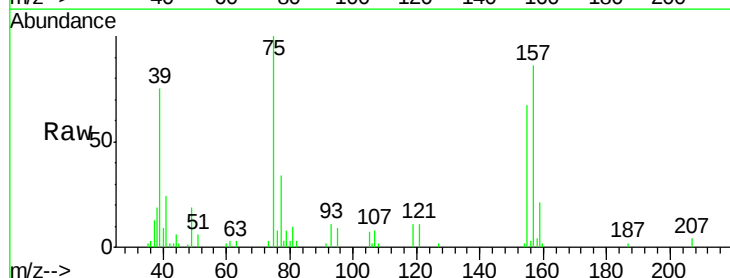
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.459 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.0	34.8	104.5
157	88.2	43.7	131.1





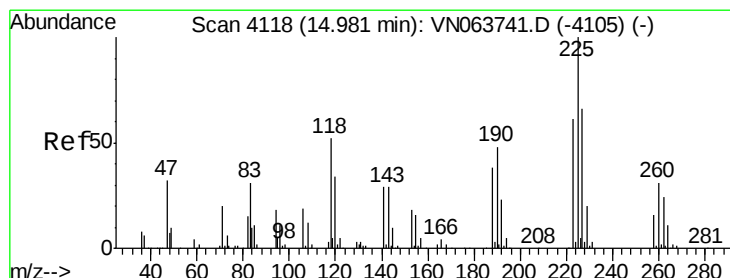
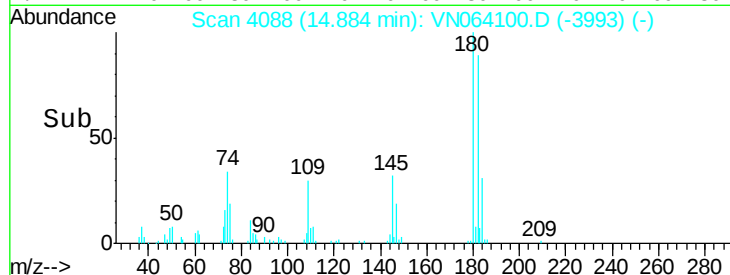
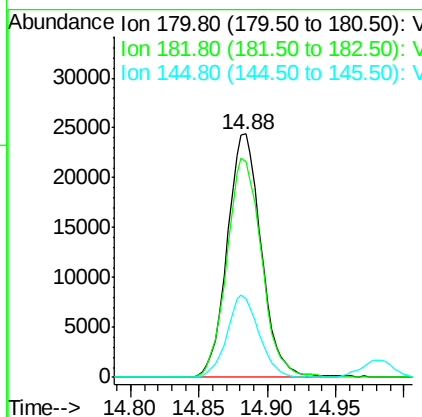
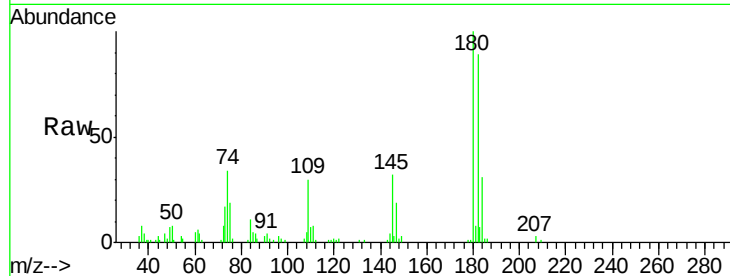
#93
 1,2,4-Trichlorobenzene
 Concen: 15.438 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42265		
182	91.7	48.2	144.6	
145	31.5	17.1	51.2	

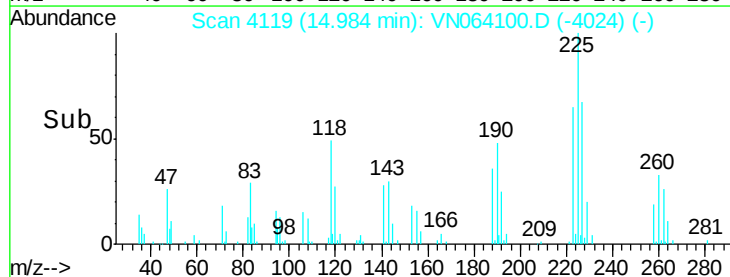
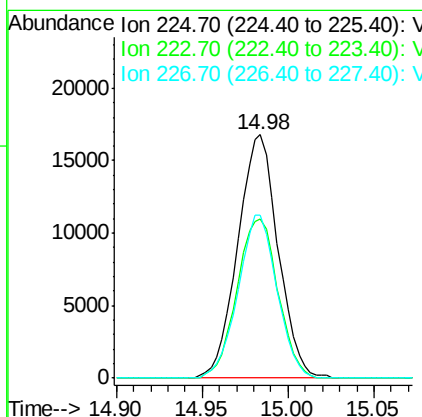
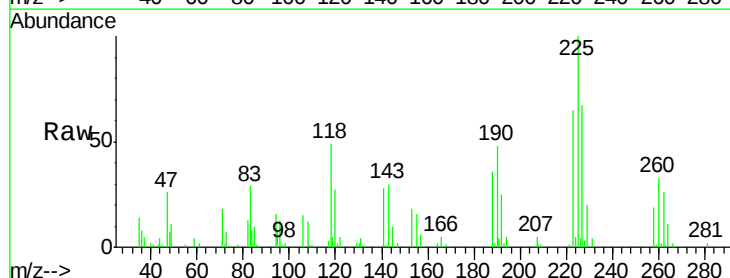
Manual Integrations
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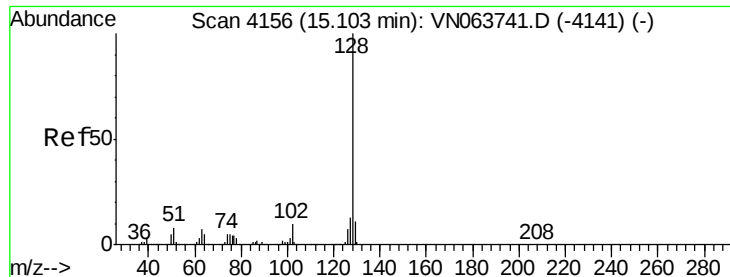
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#94
 Hexachlorobutadiene
 Concen: 18.423 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27289		
223	66.6	30.3	91.0	
227	64.7	31.9	95.5	





#95

Naphthalene

Concen: 14.657 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

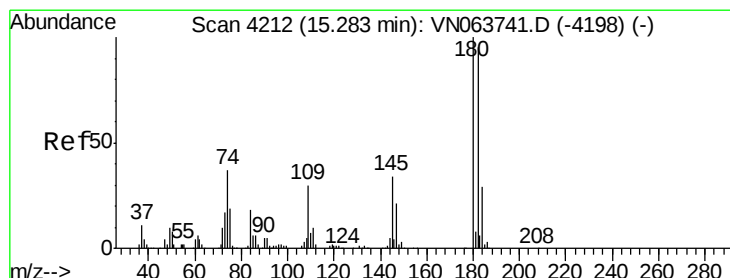
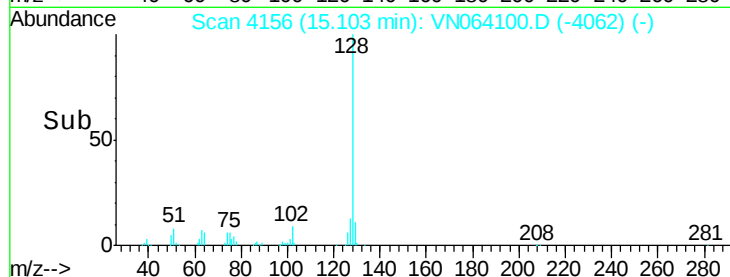
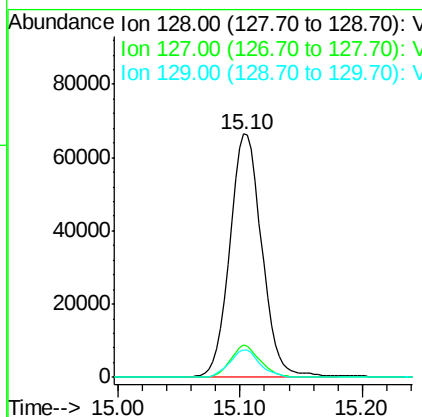
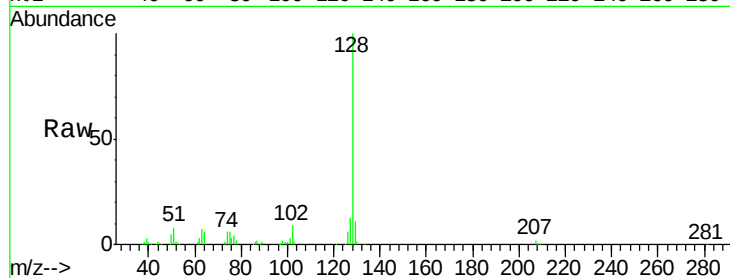
ClientSampleId :

VN1013WBS01

Tot Ion:	128	Resp:	121998
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:09:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 15.497 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion:	180	Resp:	41526
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.6
145	34.9	17.2	51.5

