

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064009.D
 Acq On : 9 Oct 2020 00:28
 Operator : JC/MD
 Sample : VN1008WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Manual Integrations
 APPROVED

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 10/9/2020 4:53:06 PM

Quant Time: Oct 09 07:04:27 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	7.63	168	269082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	455642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	422354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	189817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	218272	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	7.55	113	155115	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.06	98	571234	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.38	95	204672	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47487	16.725	ug/l	96
3) Chloromethane	2.04	50	58476	17.553	ug/l	92
4) Vinyl Chloride	2.16	62	58775	17.576	ug/l	99
5) Bromomethane	2.53	94	36388	17.299	ug/l	96
6) Chloroethane	2.67	64	38673	19.353	ug/l	98
7) Trichlorofluoromethane	2.98	101	97751	18.431	ug/l	99
8) Diethyl Ether	3.37	74	34228	19.082	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.72	101	50816	17.926	ug/l	97
10) Methyl Iodide	3.91	142	56866	17.277	ug/l	97
11) Tert butyl alcohol	4.73	59	59710	121.661	ug/l	97
12) 1,1-Dichloroethene	3.69	96	50845	18.765	ug/l	93
13) Acrolein	3.57	56	42665	141.641	ug/l	100
14) Allyl chloride	4.28	41	102464	20.355	ug/l	90
15) Acrylonitrile	4.93	53	155377	110.600	ug/l	99
16) Acetone	3.78	43	147430	107.735	ug/l	99
17) Carbon Disulfide	4.01	76	129012	18.070	ug/l	98
18) Methyl Acetate	4.28	43	81495	22.937	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	193165	19.622	ug/l	99
20) Methylene Chloride	4.51	84	63074	20.182	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	54621	17.997	ug/l	93
22) Diisopropyl ether	5.90	45	220027	21.244	ug/l	95
23) Vinyl Acetate	5.85	43	874153	101.891	ug/l	100
24) 1,1-Dichloroethane	5.80	63	116157	19.615	ug/l	99
25) 2-Butanone	6.79	43	225894	116.433	ug/l	98
26) 2,2-Dichloropropane	6.78	77	81525	15.033	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	64912	18.596	ug/l	98
28) Bromochloromethane	7.15	49	59426	20.304	ug/l	97
29) Tetrahydrofuran	7.17	42	151714	116.593	ug/l	96
30) Chloroform	7.33	83	118585	19.205	ug/l	99
31) Cyclohexane	7.61	56	90964	17.626	ug/l	# 92
32) 1,1,1-Trichloroethane	7.53	97	107047	19.221	ug/l	98
36) 1,1-Dichloropropene	7.76	75	78611	17.030	ug/l	99
37) Ethyl Acetate	6.88	43	91088	19.862	ug/l	98
38) Carbon Tetrachloride	7.73	117	90264	17.438	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	72888	15.834	ug/l	99
40) Benzene	8.00	78	246263	18.678	ug/l	98
41) Methacrylonitrile	7.12	41	41993	20.602	ug/l	94
42) 1,2-Dichloroethane	8.09	62	104624	18.590	ug/l	99
43) Isopropyl Acetate	8.13	43	153440	20.284	ug/l #	91
44) Trichloroethene	8.80	130	59607	17.254	ug/l	100
45) 1,2-Dichloropropane	9.08	63	69020	19.383	ug/l	97
46) Dibromomethane	9.17	93	45139	18.376	ug/l	98
47) Bromodichloromethane	9.37	83	94247	18.617	ug/l	99
48) Methyl methacrylate	9.17	41	77988	20.867	ug/l	89
49) 1,4-Dioxane	9.16	88	23838	448.783	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	486638	109.621	ug/l	99
52) Toluene	10.13	92	151248	18.546	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	95961	17.683	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	101920	17.958	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	63925	19.546	ug/l	98
56) Ethyl methacrylate	10.40	69	88640	19.121	ug/l	96
57) 1,3-Dichloropropane	10.68	76	108614	19.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	242576	97.822	ug/l	98
59) 2-Hexanone	10.72	43	353686	107.250	ug/l	98
60) Dibromochloromethane	10.87	129	68931	18.098	ug/l	98
61) 1,2-Dibromoethane	10.98	107	64461	19.268	ug/l	97
64) Tetrachloroethene	10.60	164	57056	17.461	ug/l	95
65) Chlorobenzene	11.41	112	158829	18.332	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	63855	19.225	ug/l	98
67) Ethyl Benzene	11.48	91	283362	17.974	ug/l	98
68) m/p-Xylenes	11.59	106	210863	35.888	ug/l	99
69) o-Xylene	11.92	106	100616	18.321	ug/l	100
70) Styrene	11.94	104	169897	18.225	ug/l	99
71) Bromoform	12.10	173	46548	18.324	ug/l #	96
73) Isopropylbenzene	12.22	105	264737	19.121	ug/l	99
74) N-amyl acetate	12.05	43	123013	20.485	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	92167	21.770	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	86103m	20.578	ug/l	
77) Bromobenzene	12.50	156	68368	20.125	ug/l	99
78) n-propylbenzene	12.57	91	301773	18.729	ug/l	99
79) 2-Chlorotoluene	12.65	91	191797	19.354	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	221958	19.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	27536	18.954	ug/l	99
82) 4-Chlorotoluene	12.75	91	196831	19.133	ug/l	98
83) tert-Butylbenzene	12.97	119	179302	18.872	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	222128	19.154	ug/l	99
85) sec-Butylbenzene	13.15	105	230039	18.434	ug/l	100
86) p-Isopropyltoluene	13.26	119	201394	18.243	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	117036	19.042	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	115753	18.088	ug/l	99
89) n-Butylbenzene	13.59	91	159773	15.681	ug/l	99
90) Hexachloroethane	13.85	117	40162	18.774	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	117253	19.261	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19484	19.624	ug/l	98

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ClientSampleId :
VN1008WBSD02

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.88	180	49253	16.099	ug/l	95
94) Hexachlorobutadiene	14.98	225	30494	18.517	ug/l	97
95) Naphthalene	15.11	128	147247	15.748	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	48784	16.287	ug/l	99

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

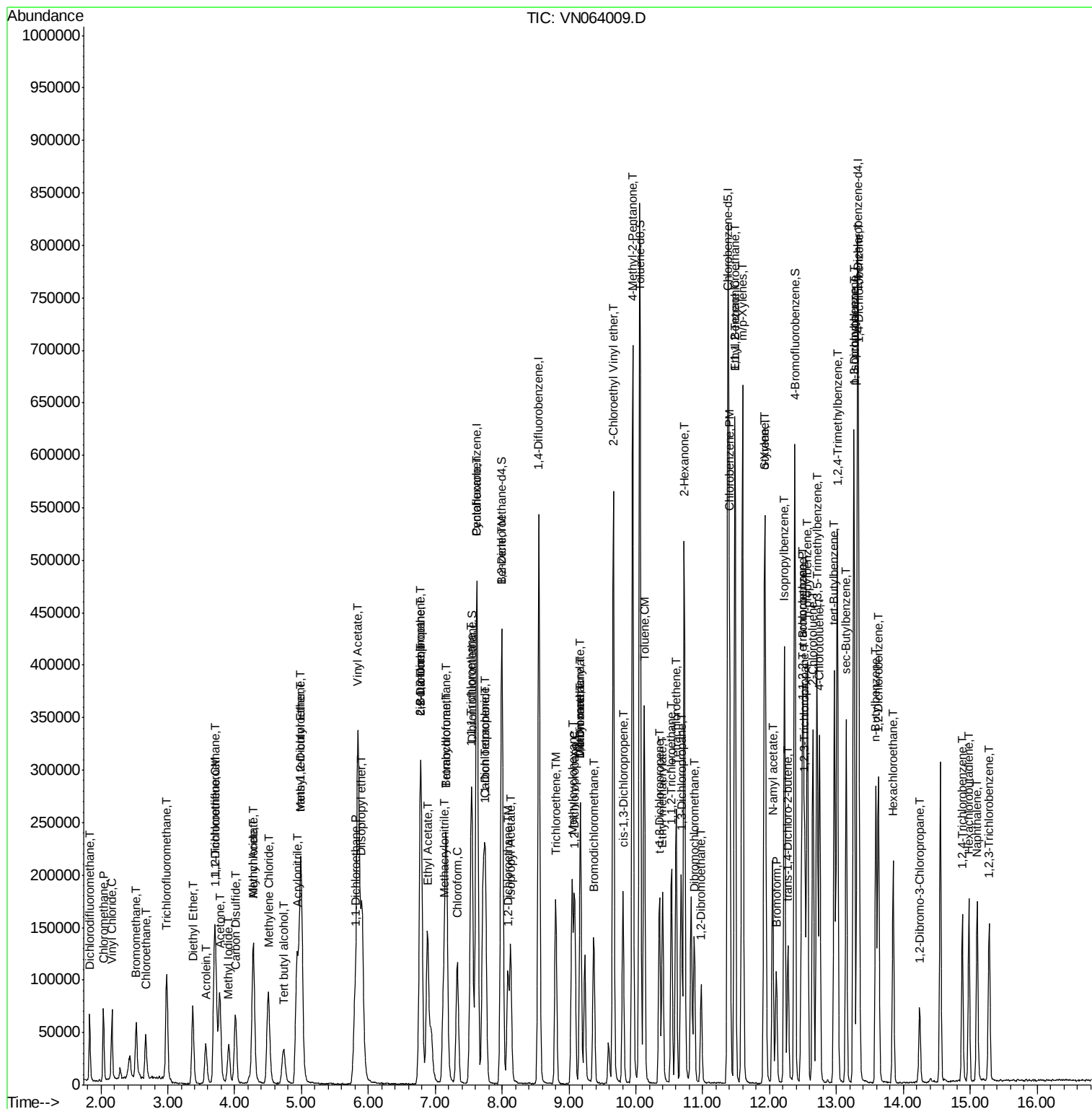
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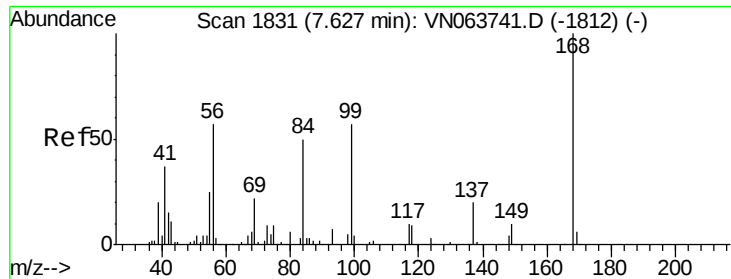
Instrument :
MSVOA_N
Client Sampled :
VN1008WBSD02

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion:168 Resp: 269082

Ion Ratio Lower Upper

168 100

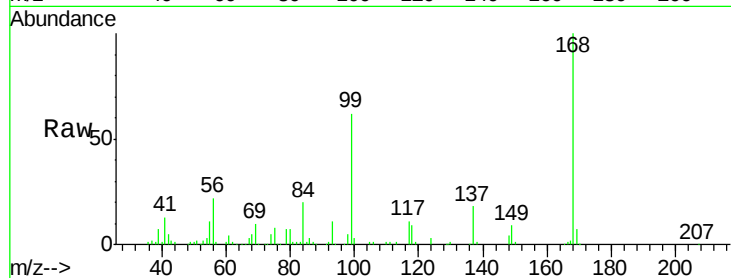
99 61.2 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

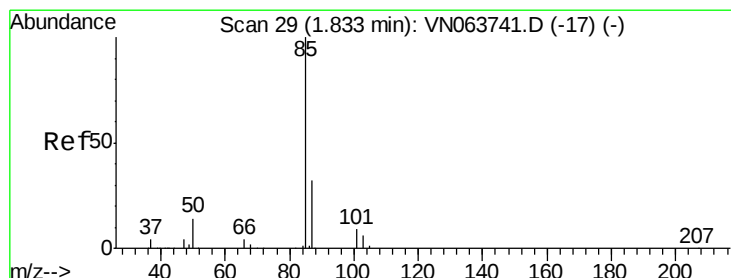
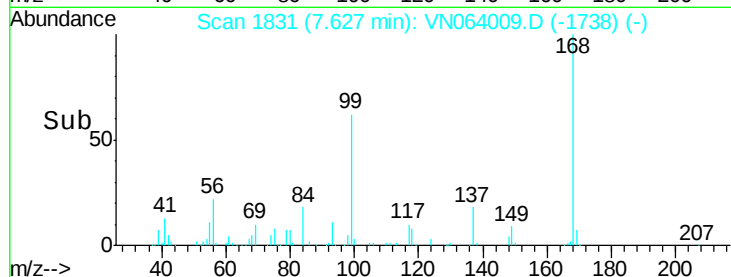
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.725 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064009.D

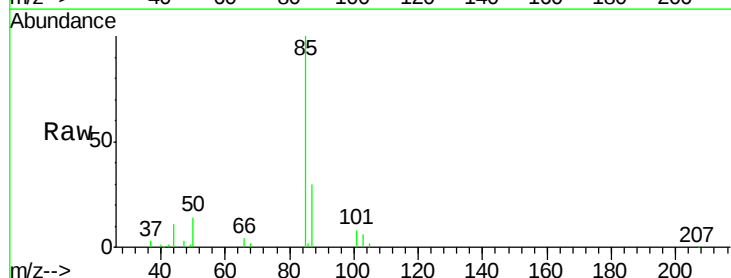
Acq: 9 Oct 2020 00:28

Tgt Ion: 85 Resp: 47487

Ion Ratio Lower Upper

85 100

87 29.7 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

40000

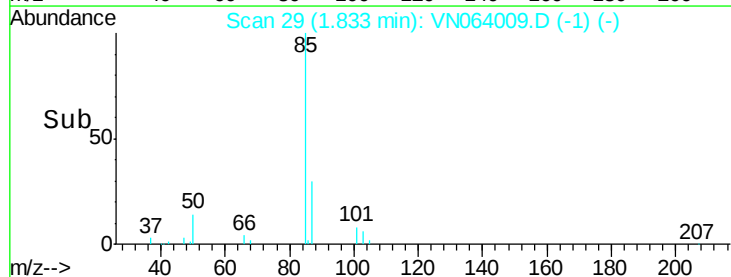
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Time-->





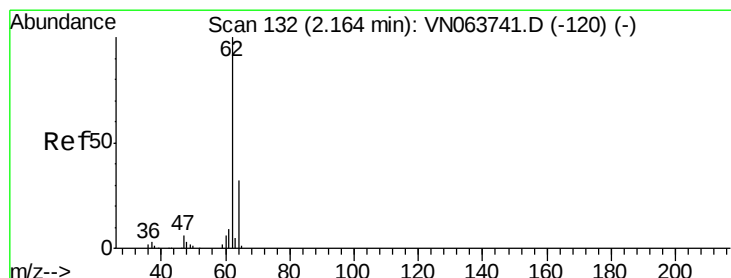
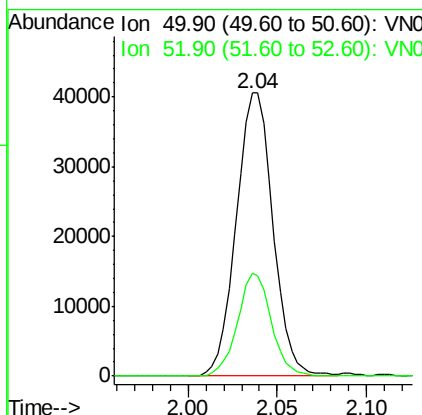
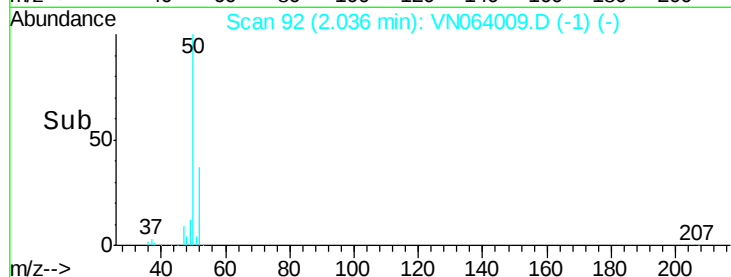
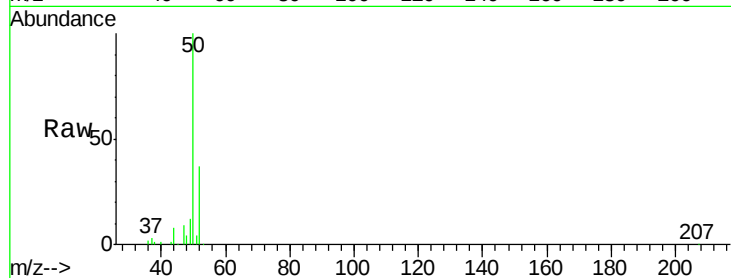
#3
Chloromethane
Concen: 17.553 ug/l
RT: 2.04 min Scan# 92
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
50	100		
52	36.6	25.8	38.8

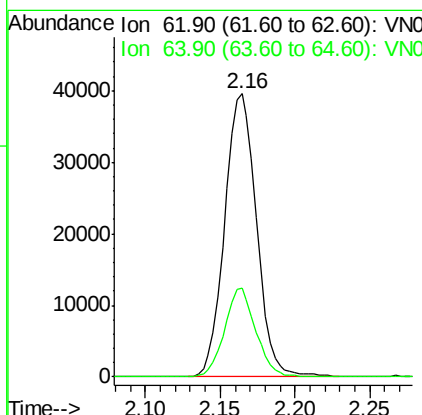
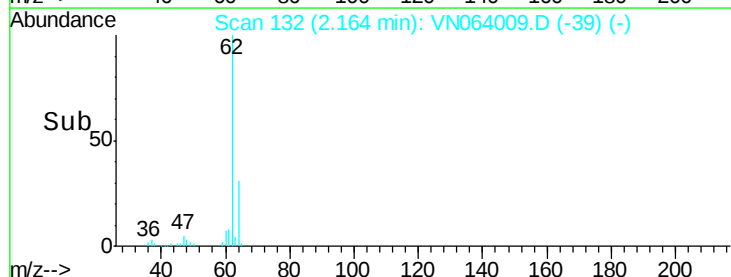
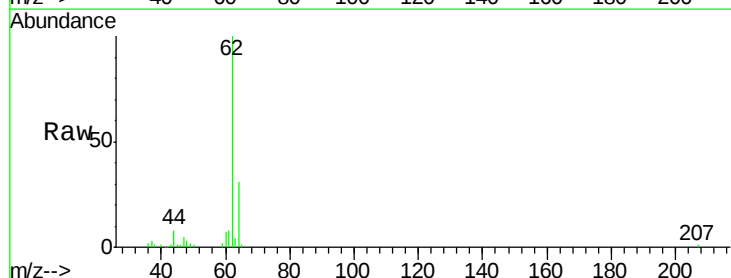
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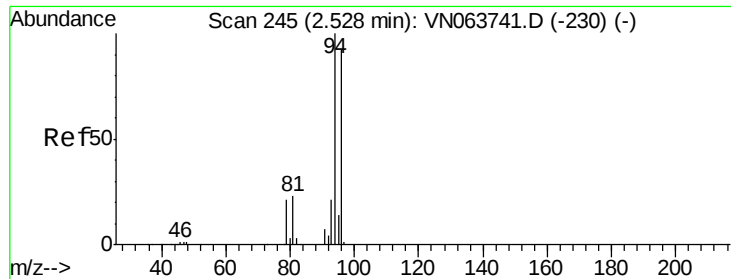
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#4
Vinyl Chloride
Concen: 17.576 ug/l
RT: 2.16 min Scan# 132
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.6	38.4





#5

Bromomethane

Concen: 17.299 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion: 94 Resp: 36388

Ion Ratio Lower Upper

94 100

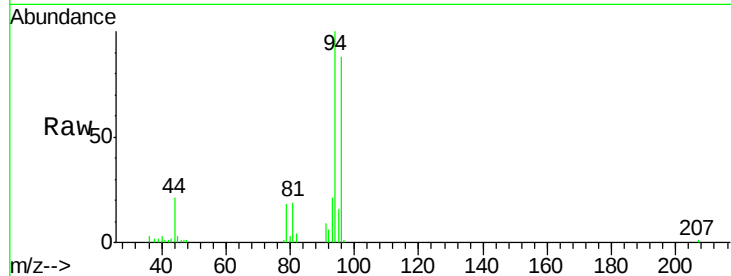
96 87.6 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

15000

10000

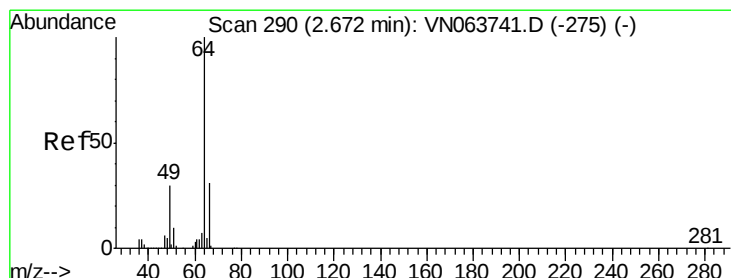
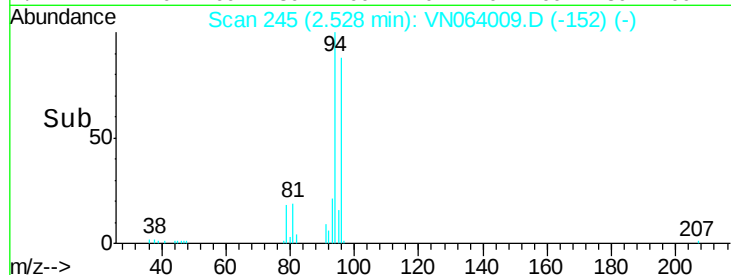
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Time-->

2.45 2.50 2.55 2.60

2.53



#6

Chloroethane

Concen: 19.353 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064009.D

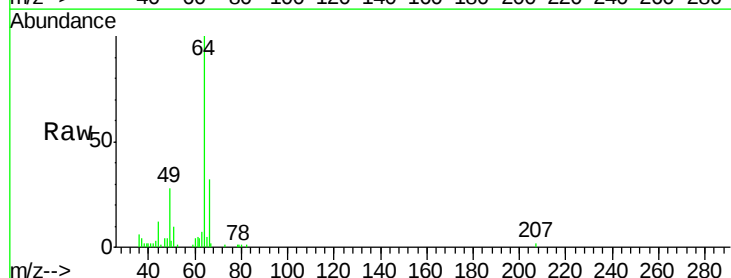
Acq: 9 Oct 2020 00:28

Tgt Ion: 64 Resp: 38673

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

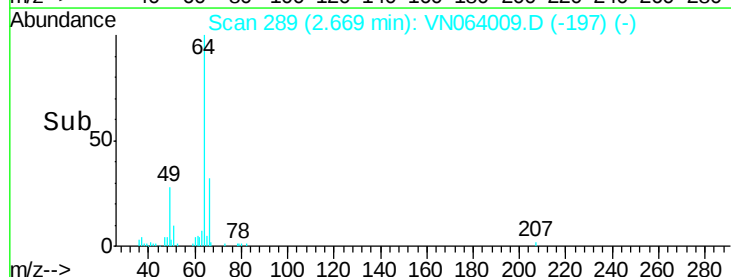
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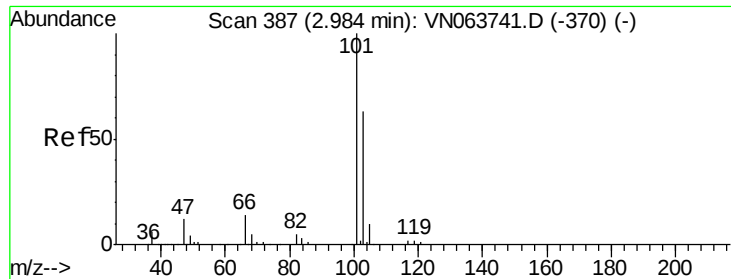
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Time-->

2.60 2.65 2.70 2.75

2.67





#7

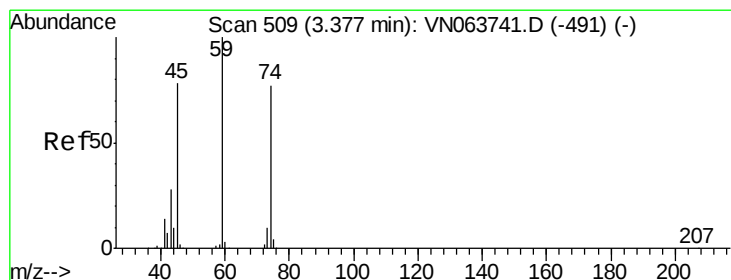
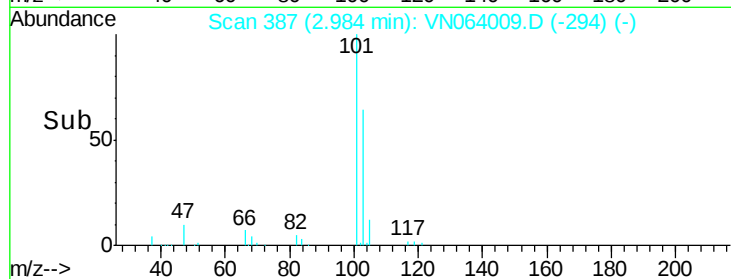
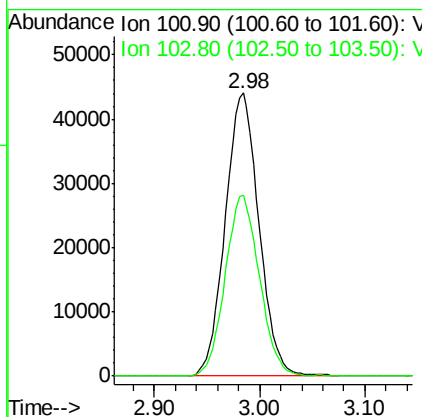
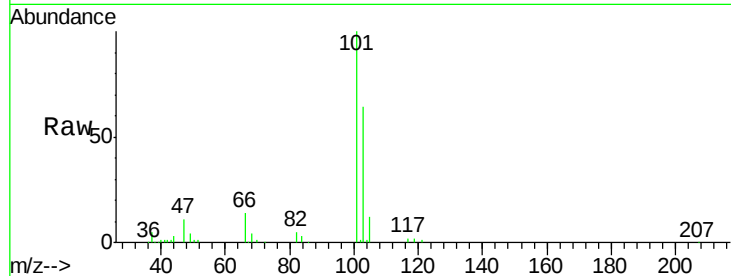
Trichlorofluoromethane
 Concen: 18.431 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
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 ClientSampleId :
 VN1008WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		97751		
103	63.8	50.7	76.1		

Manual Integrations
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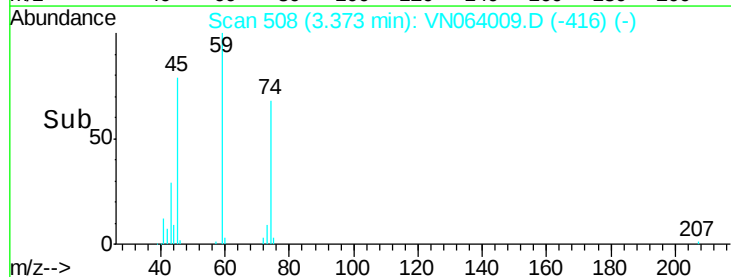
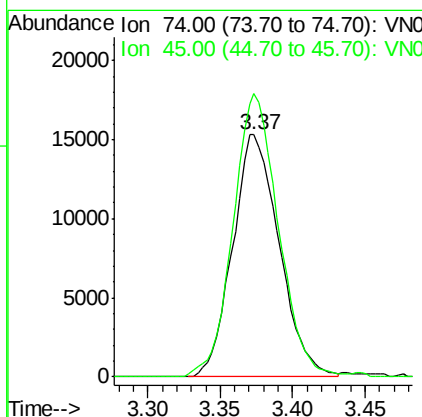
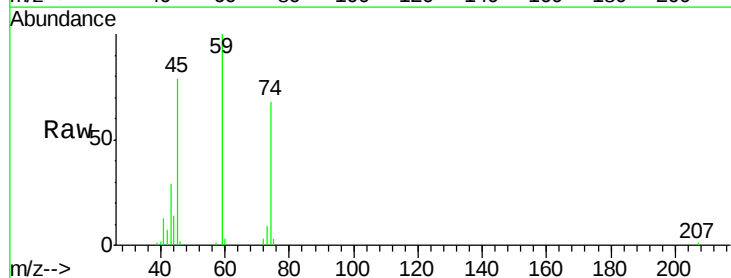
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#8

Diethyl Ether
 Concen: 19.082 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		34228		
45	113.5	50.9	152.8		





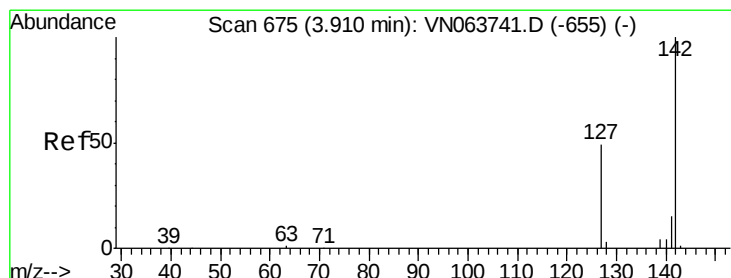
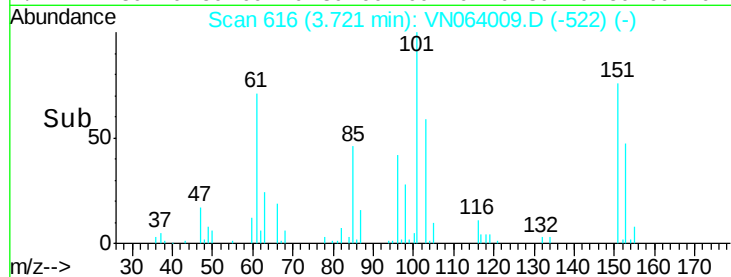
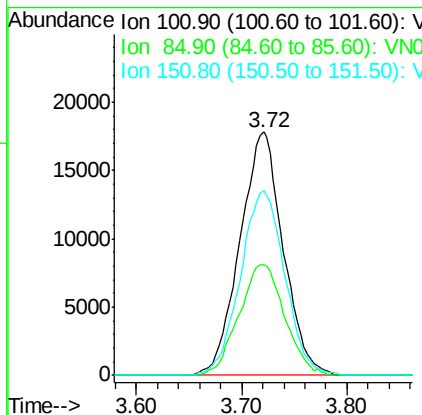
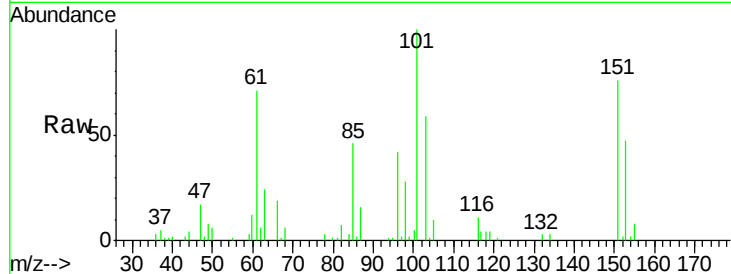
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.926 ug/l
RT: 3.72 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.6	58.0
151	77.7	58.7	88.1

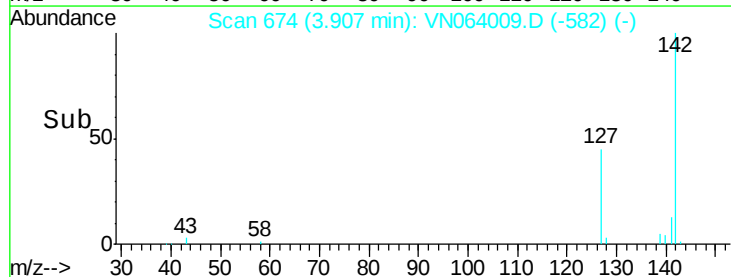
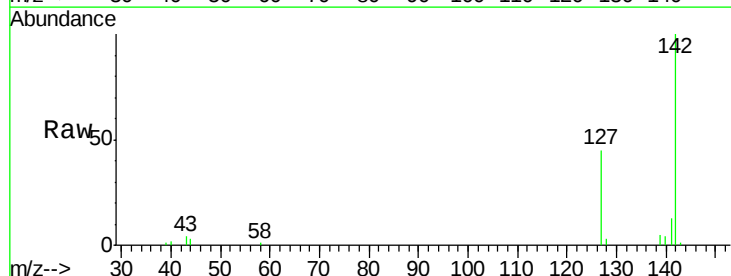
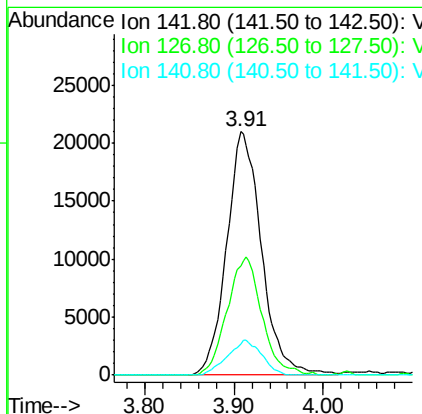
Manual Integrations
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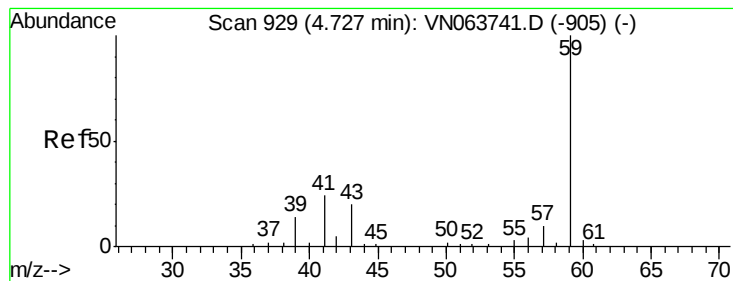
MMDadoda
10/9/2020 4:53:06 PM



#10
Methyl Iodide
Concen: 17.277 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.1	40.5	60.7
141	14.0	11.7	17.5





#11

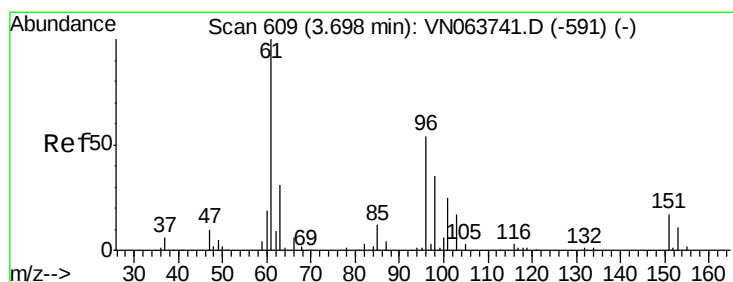
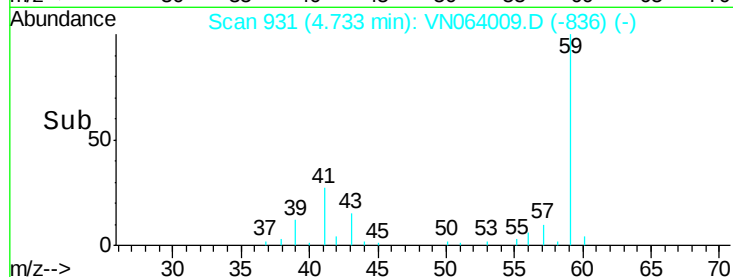
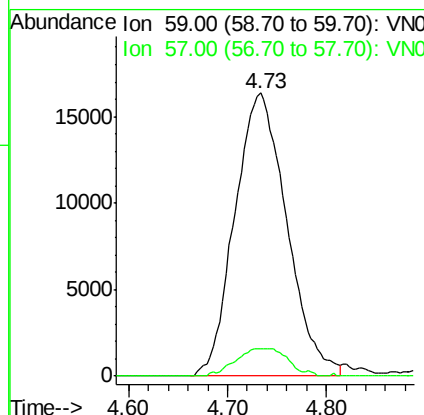
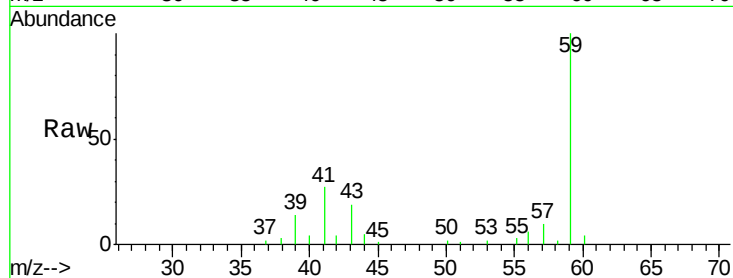
Tert butyl alcohol
Concen: 121.661 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.7	13.1

Manual Integrations
APPROVED

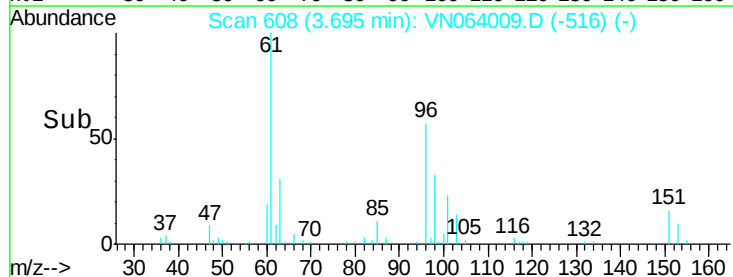
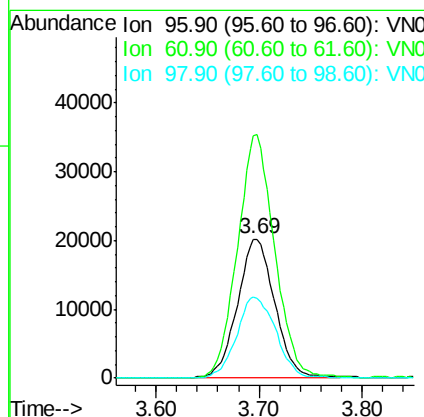
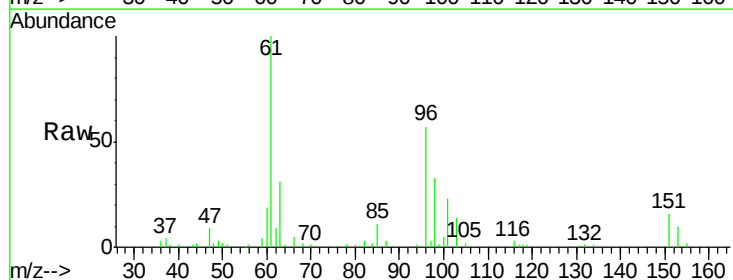
MMDadoda
10/9/2020 4:53:06 PM

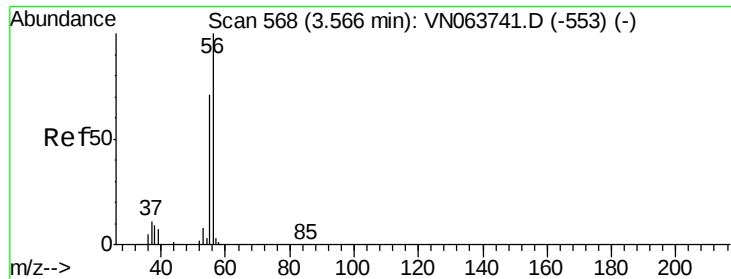


#12

1,1-Dichloroethene
Concen: 18.765 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.5	147.7	221.5
98	58.0	51.9	77.9





#13

Acrolein

Concen: 141.641 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion: 56 Resp: 42665

Ion Ratio Lower Upper

56 100

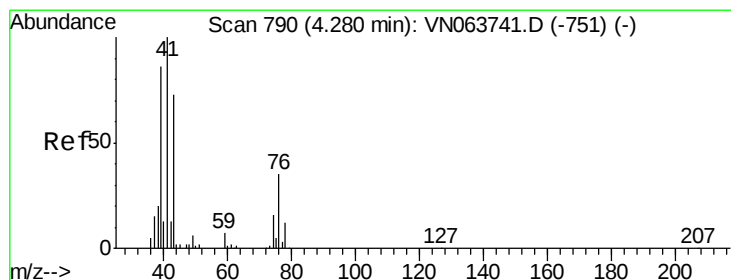
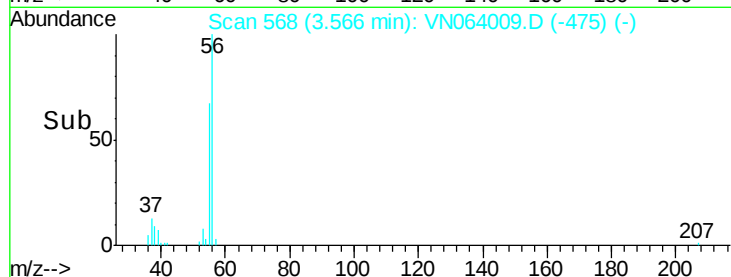
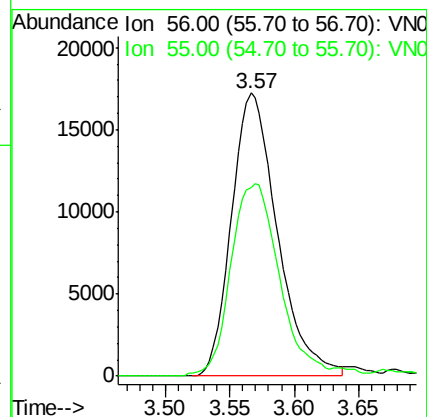
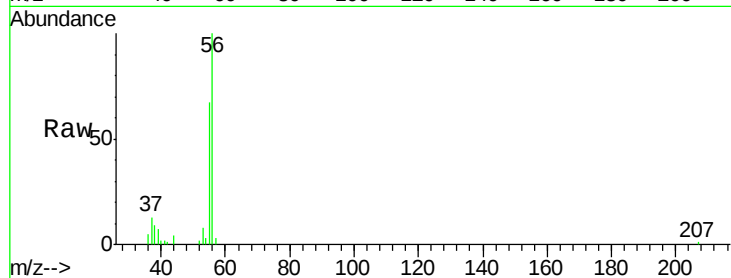
55 71.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.355 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

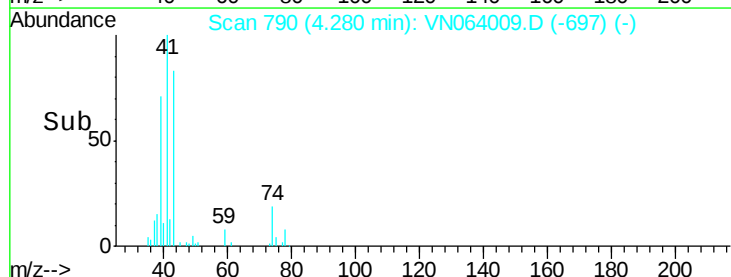
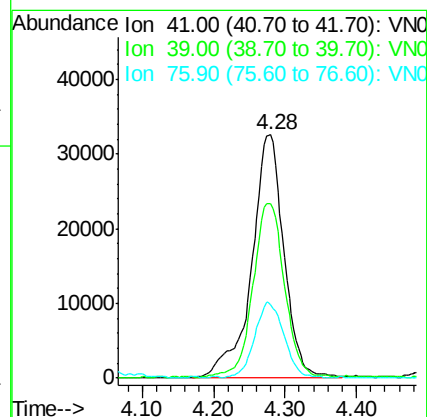
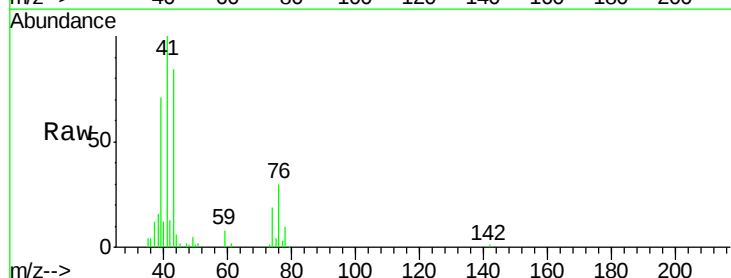
Tgt Ion: 41 Resp: 102464

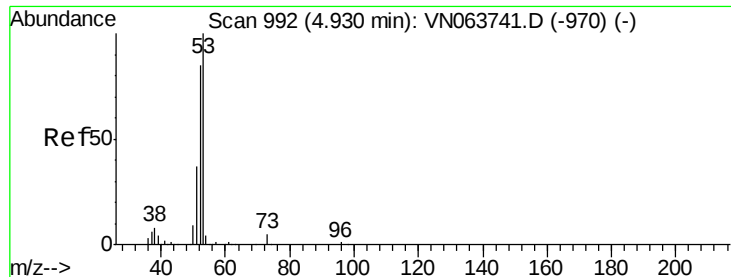
Ion Ratio Lower Upper

41 100

39 70.3 64.5 96.7

76 28.5 25.9 38.9





#15

Acrylonitrile

Concen: 110.600 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

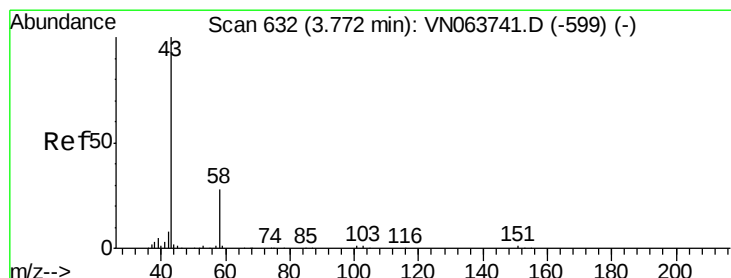
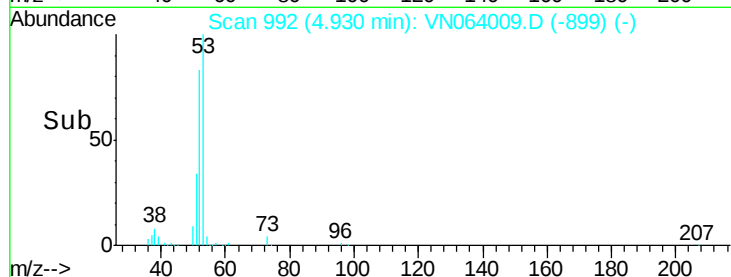
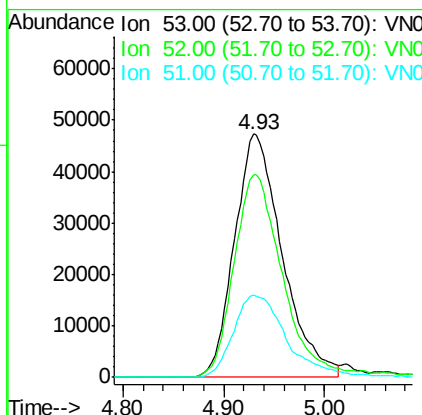
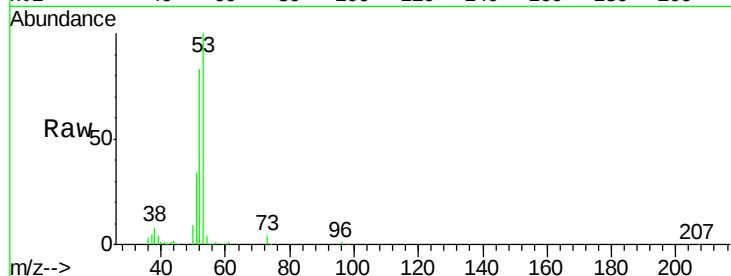
ClientSampleId :

VN1008WBSD02

Tot Ion:	53	Resp:	155377
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.5	99.7
51	37.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 107.735 ug/l

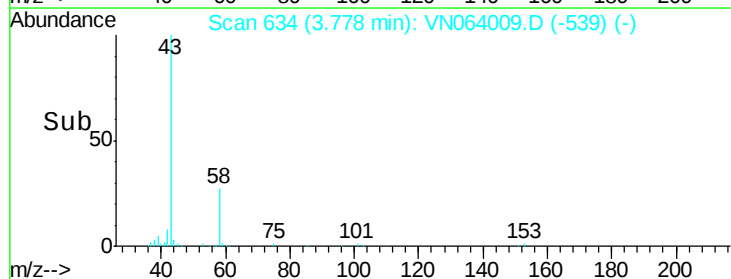
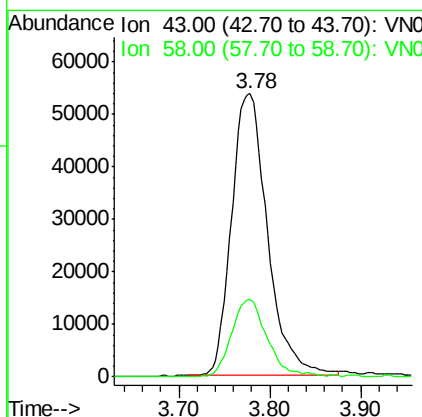
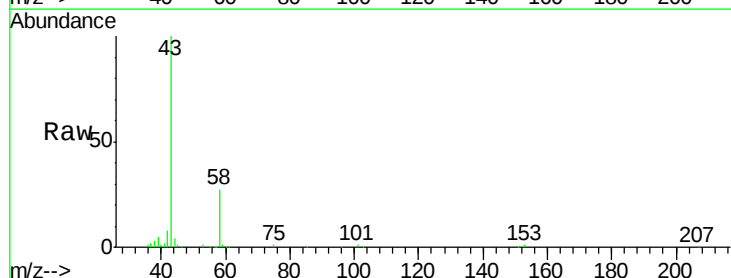
RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Tgt Ion:	43	Resp:	147430
Ion Ratio	Lower	Upper	
43	100		
58	27.4	22.3	33.5





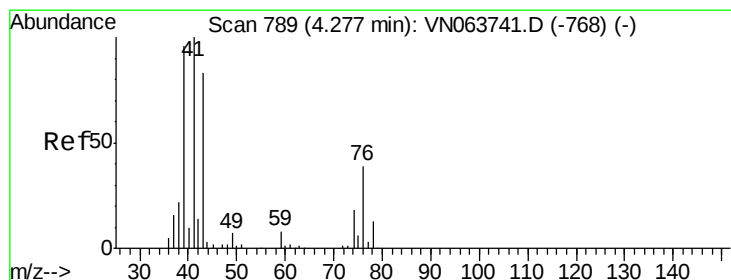
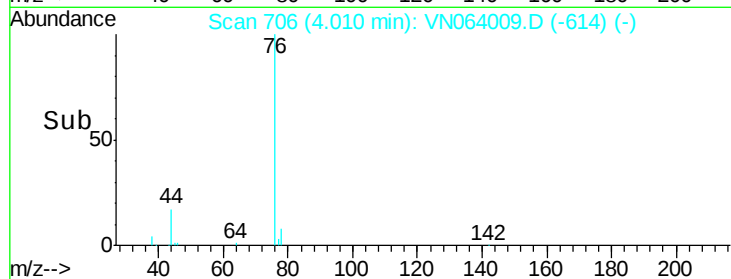
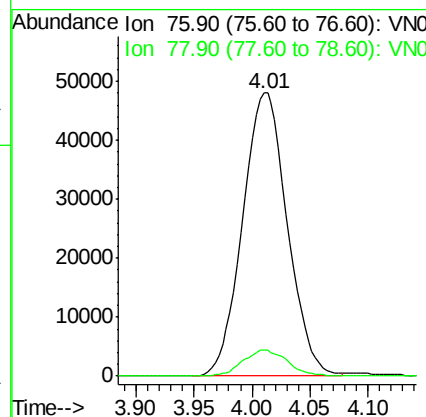
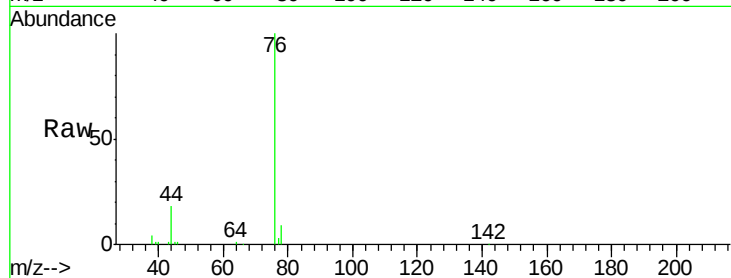
#17
Carbon Disulfide
Concen: 18.070 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

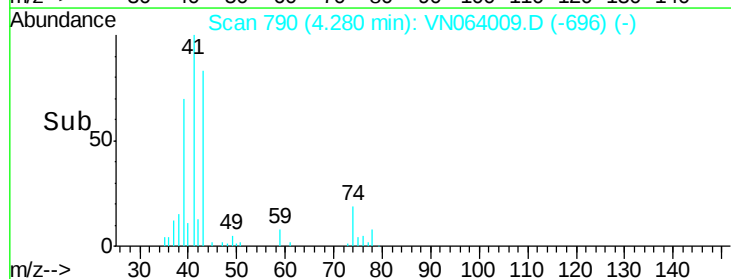
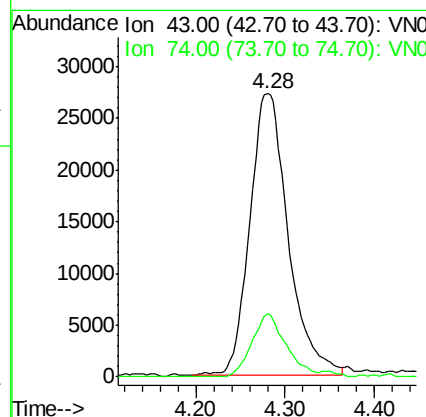
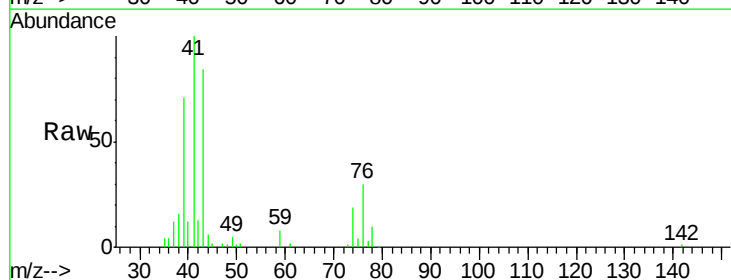
Manual Integrations
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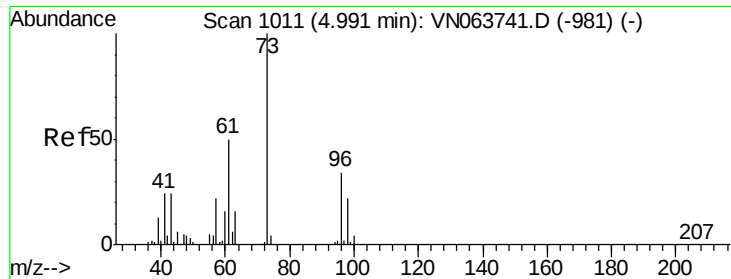
MMDadoda
10/9/2020 4:53:06 PM



#18
Methyl Acetate
Concen: 22.937 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	17.4	26.2





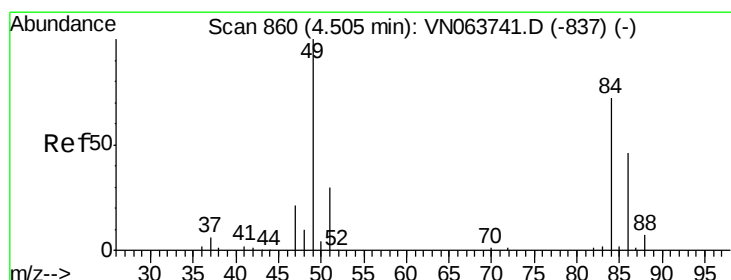
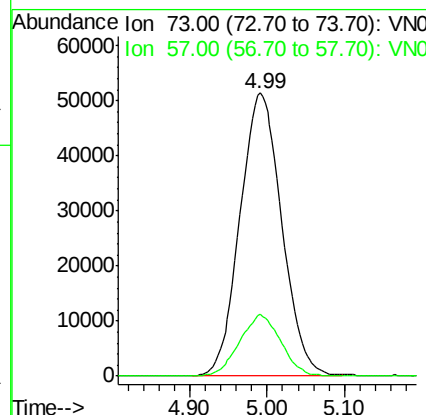
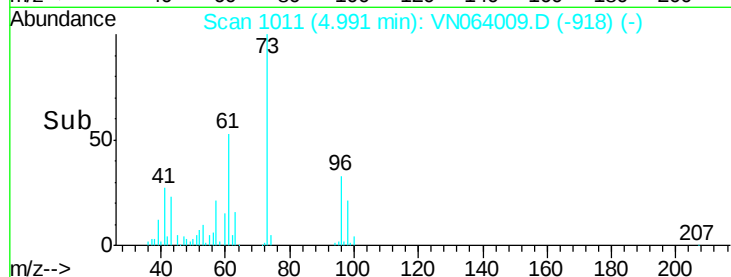
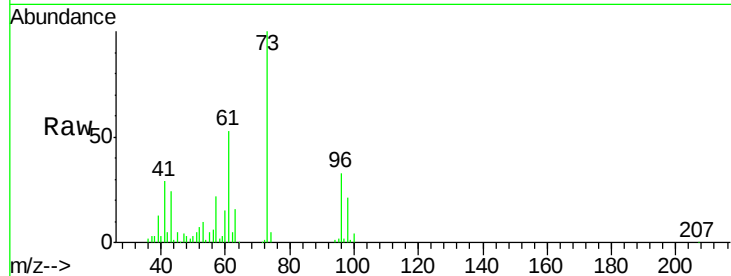
#19
Methyl tert-butyl Ether
Concen: 19.622 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion: 73 Resp: 193165
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4

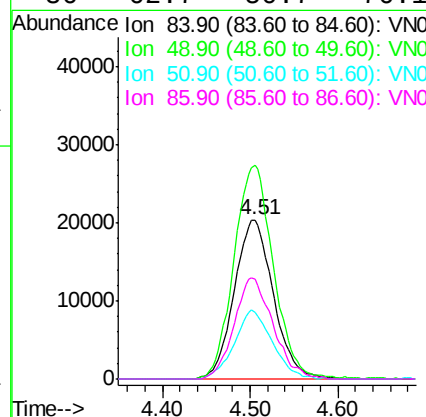
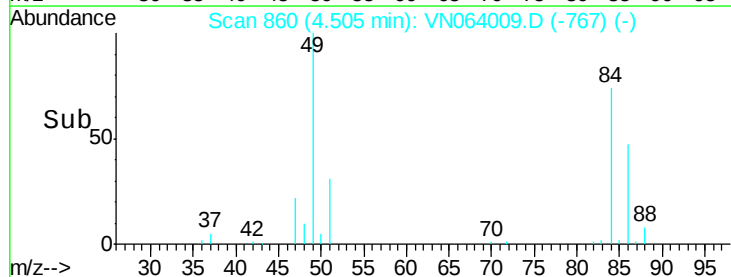
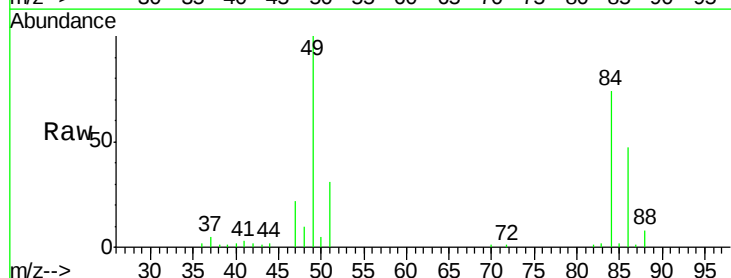
Manual Integrations
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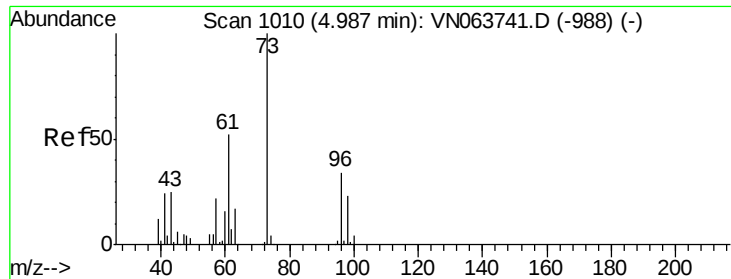
MMDadoda
10/9/2020 4:53:06 PM



#20
Methylene Chloride
Concen: 20.182 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion: 84 Resp: 63074
Ion Ratio Lower Upper
84 100
49 134.5 110.4 165.6
51 42.2 33.3 49.9
86 62.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.997 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

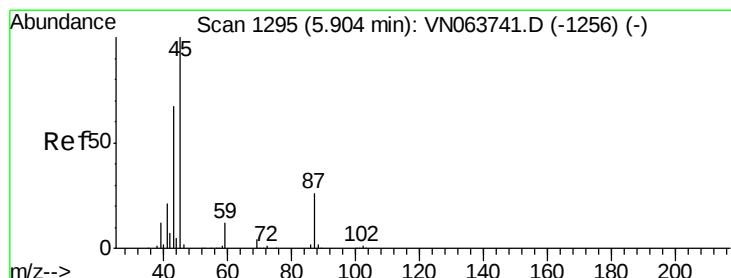
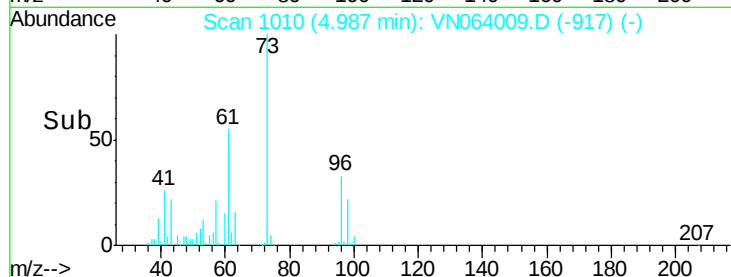
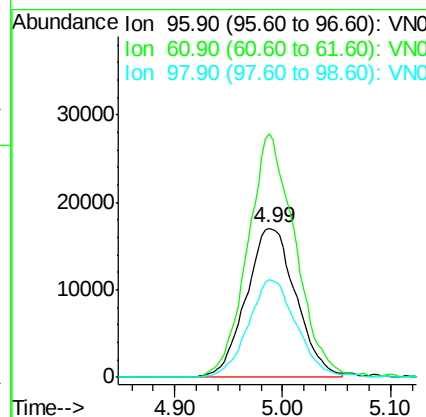
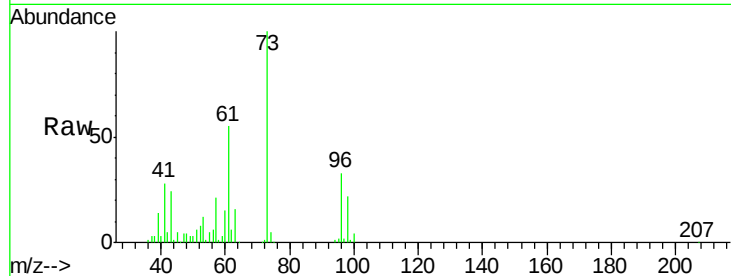
ClientSampleId :

VN1008WBSD02

Tot Ion:	96	Resp:	54621
Ion	Ratio	Lower	Upper
96	100		
61	163.5	120.2	180.2
98	65.4	52.6	79.0

Manual Integrations
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10/9/2020 4:53:06 PM



#22

Diisopropyl ether

Concen: 21.244 ug/l

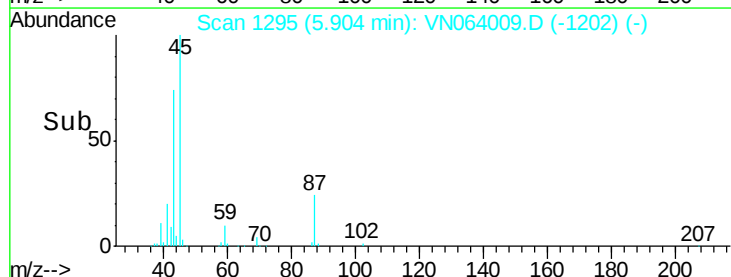
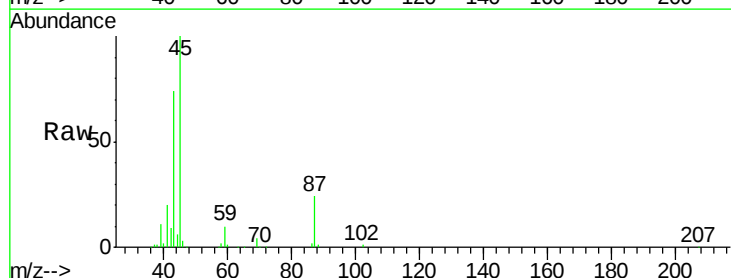
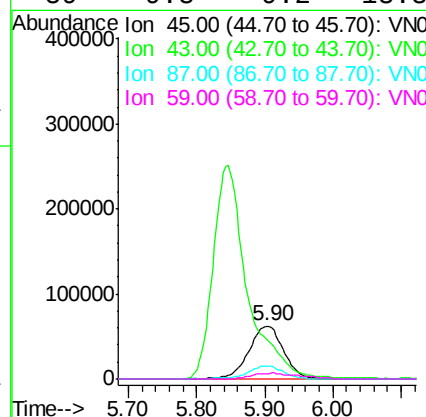
RT: 5.90 min Scan# 1295

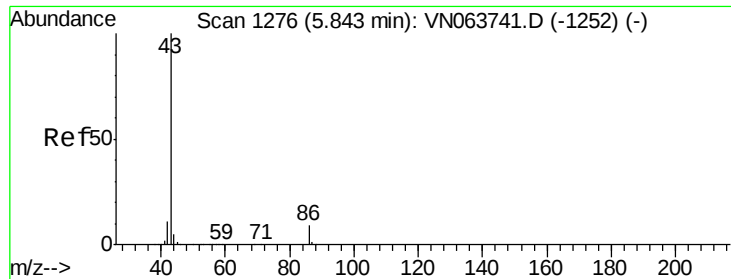
Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Tgt Ion:	45	Resp:	220027
Ion	Ratio	Lower	Upper
45	100		
43	71.0	53.7	80.5
87	24.1	21.1	31.7
59	9.8	9.2	13.8





#23

Vinyl Acetate

Concen: 101.891 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion: 43 Resp: 874153

Ion Ratio Lower Upper

43 100

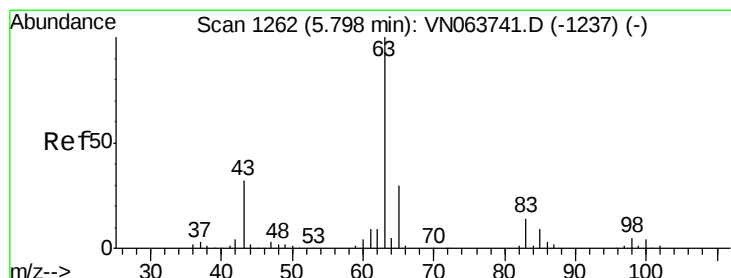
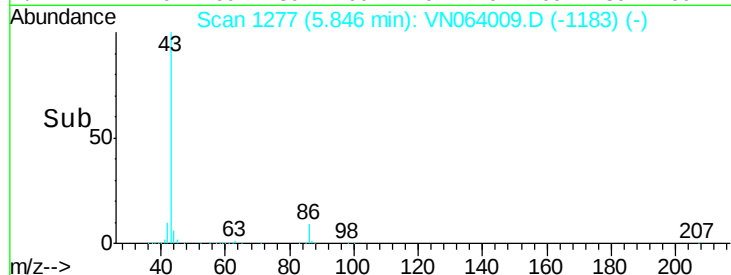
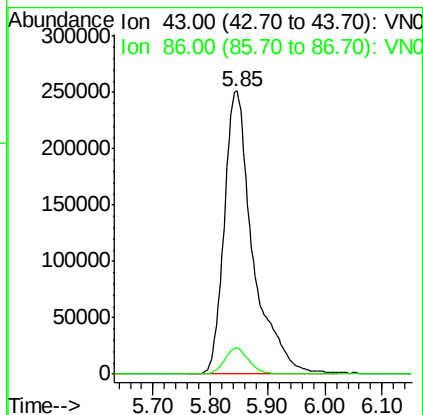
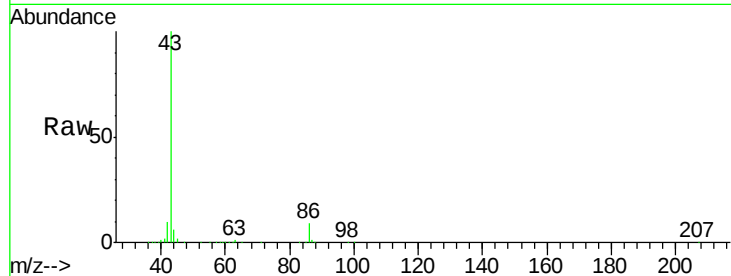
86 9.2 7.3 10.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.615 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

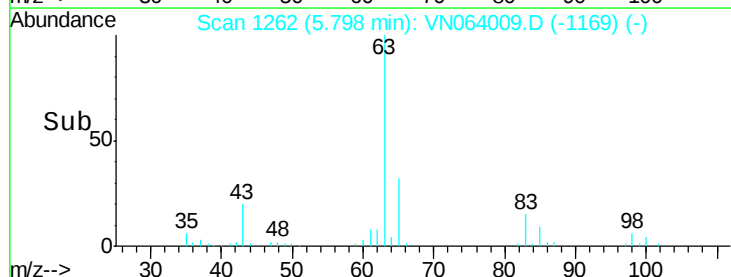
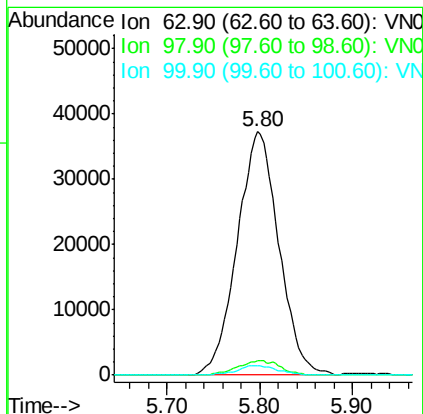
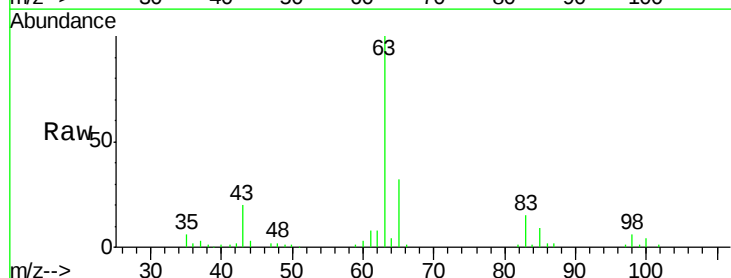
Tgt Ion: 63 Resp: 116157

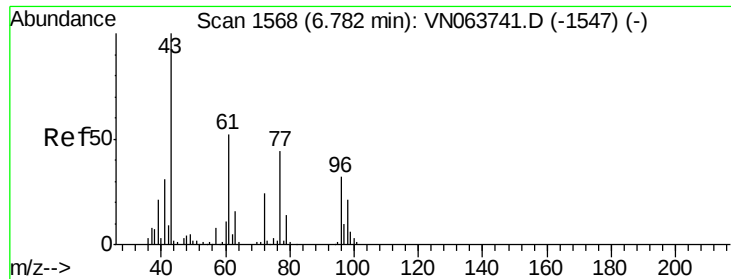
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 4.0 1.9 5.7





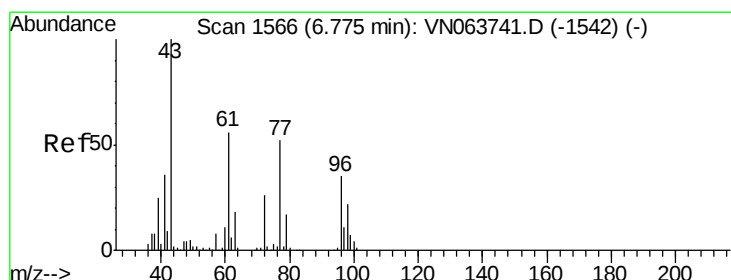
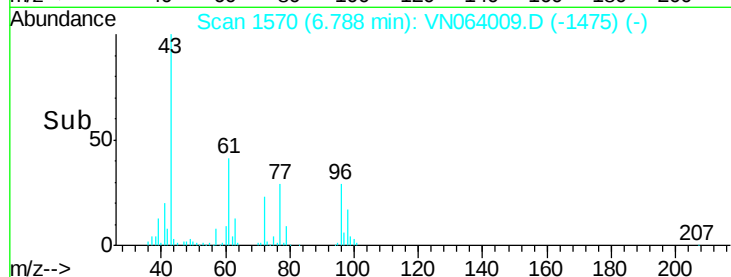
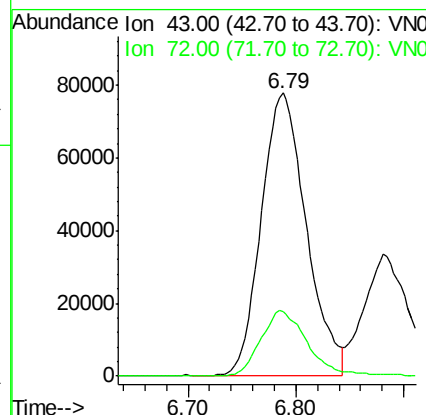
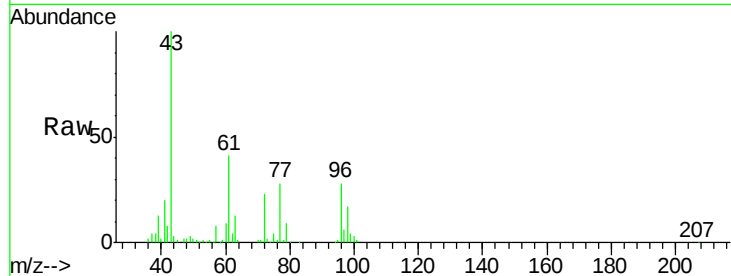
#25
2-Butanone
Concen: 116.433 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion: 43 Resp: 225894
Ion Ratio Lower Upper
43 100
72 23.0 19.3 28.9

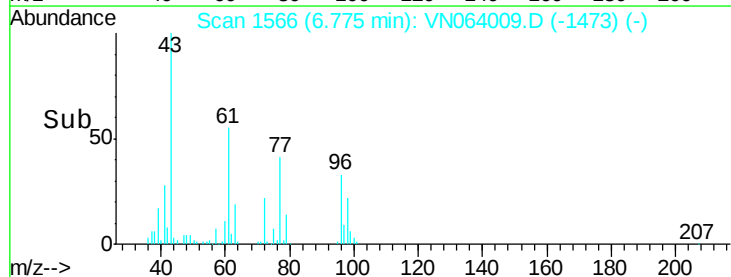
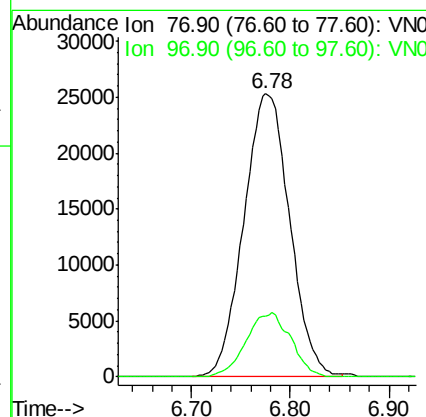
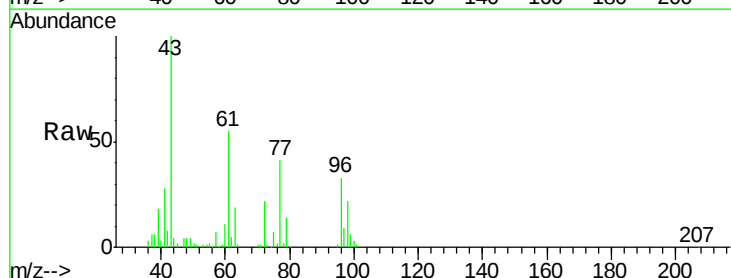
Manual Integrations
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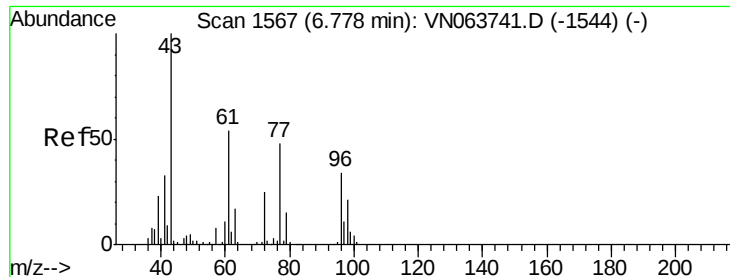
MMDadoda
10/9/2020 4:53:06 PM



#26
2,2-Dichloropropane
Concen: 15.033 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion: 77 Resp: 81525
Ion Ratio Lower Upper
77 100
97 22.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.596 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

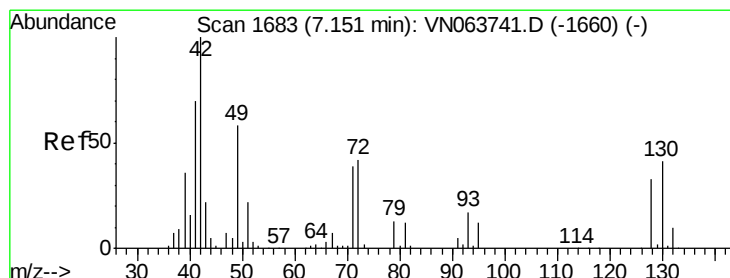
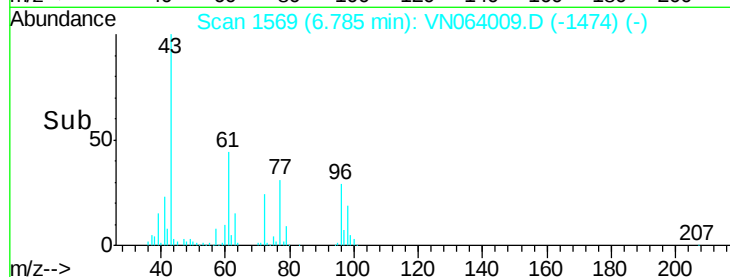
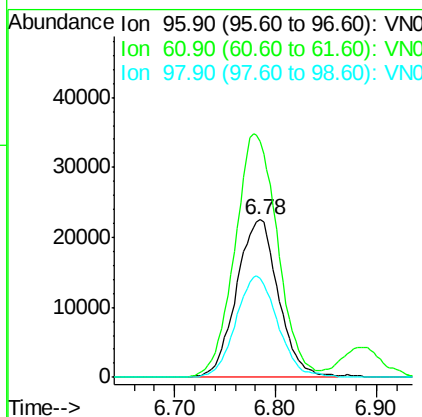
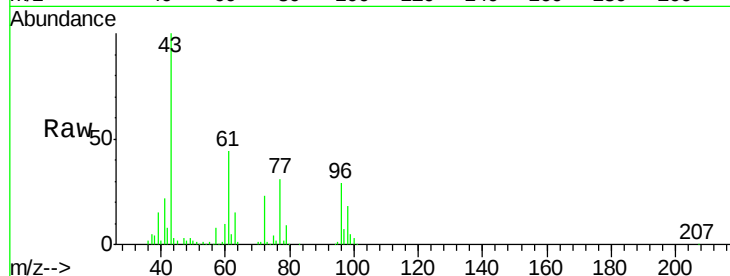
ClientSampleId :

VN1008WBSD02

Tot Ion:	96	Resp:	64912
Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	321.2
98	64.5	0.0	124.4

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#28

Bromochloromethane

Concen: 20.304 ug/l

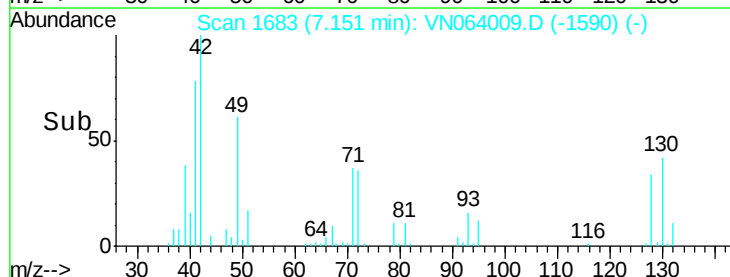
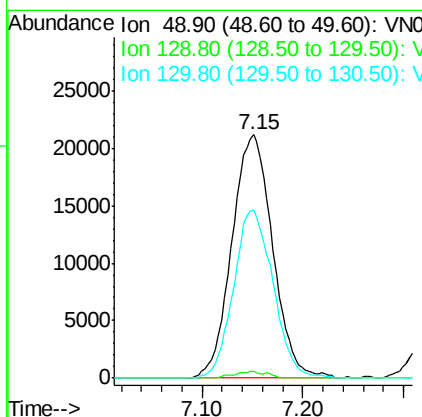
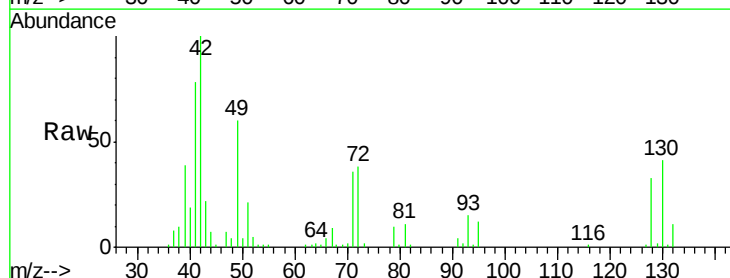
RT: 7.15 min Scan# 1683

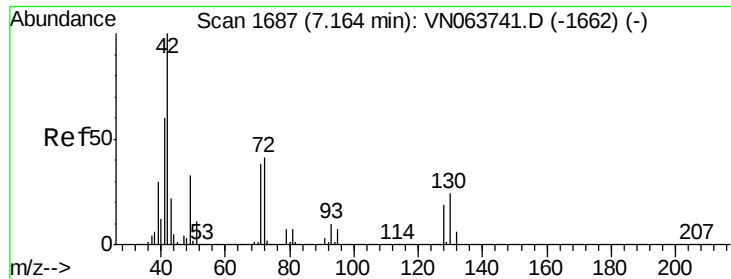
Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Tgt Ion:	49	Resp:	59426
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	66.7	55.6	83.4





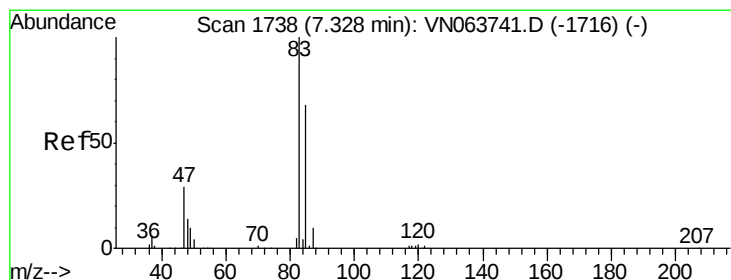
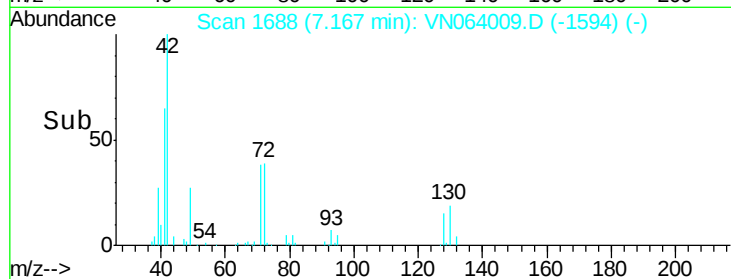
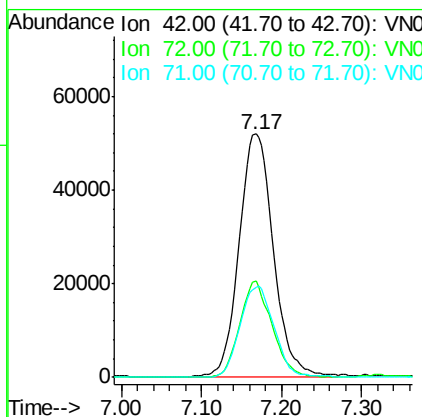
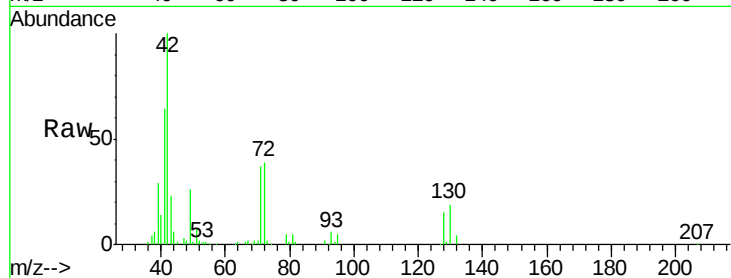
#29
Tetrahydrofuran
Concen: 116.593 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	32.8	49.2
71	37.0	30.6	45.8

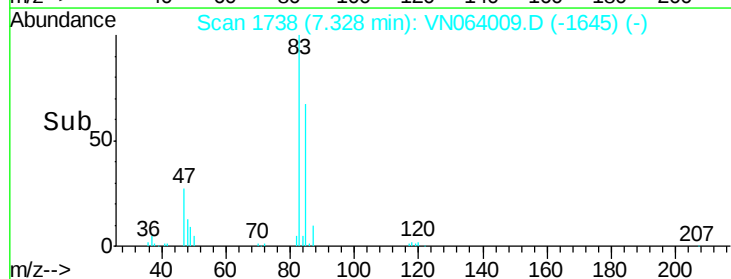
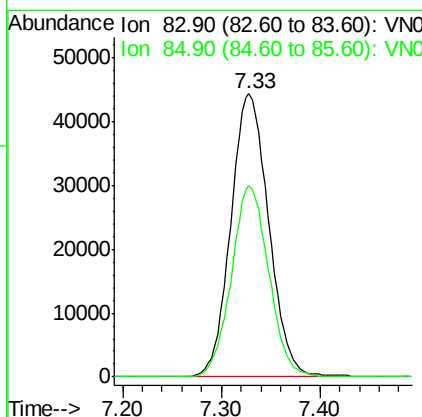
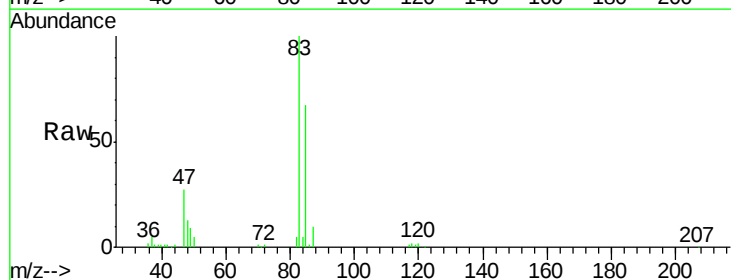
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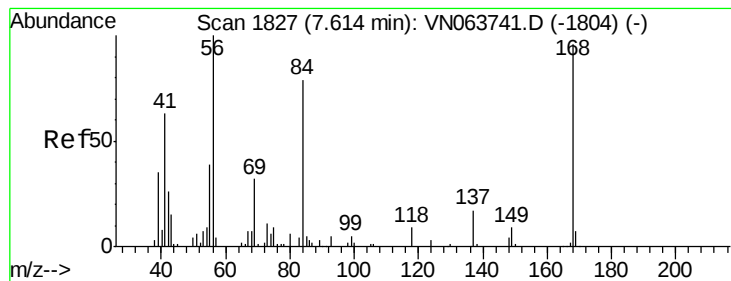
MMDadoda
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#30
Chloroform
Concen: 19.205 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	54.6	82.0





#31

Cyclohexane

Concen: 17.626 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

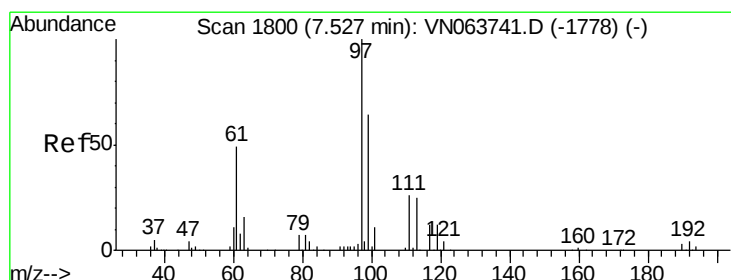
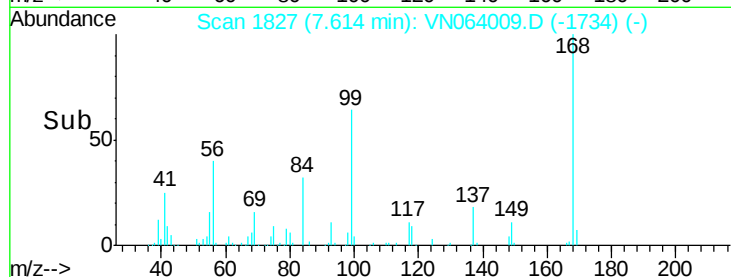
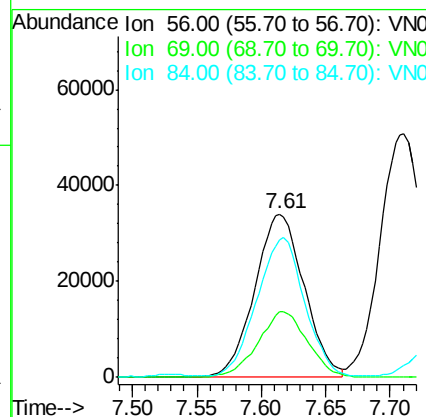
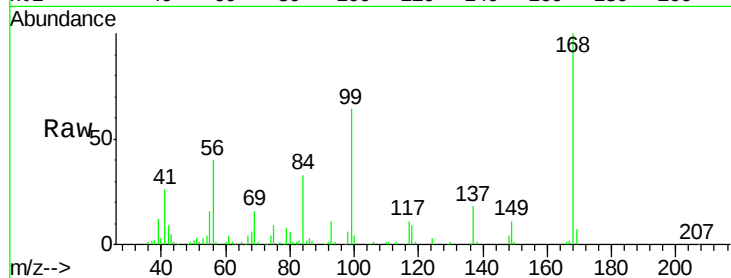
ClientSampleId :

VN1008WBSD02

Tot Ion:	56	Resp:	90964
Ion Ratio	Lower	Upper	
56	100		
69	40.1	25.4	38.2#
84	83.2	63.3	94.9

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#32

1,1,1-Trichloroethane

Concen: 19.221 ug/l

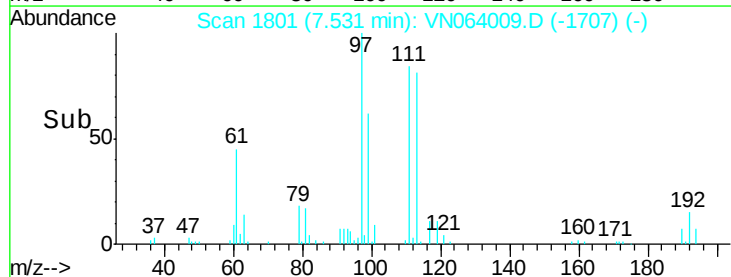
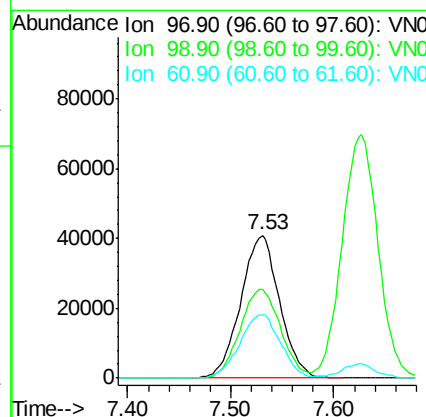
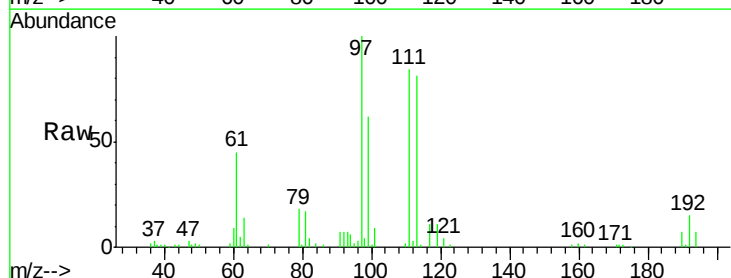
RT: 7.53 min Scan# 1801

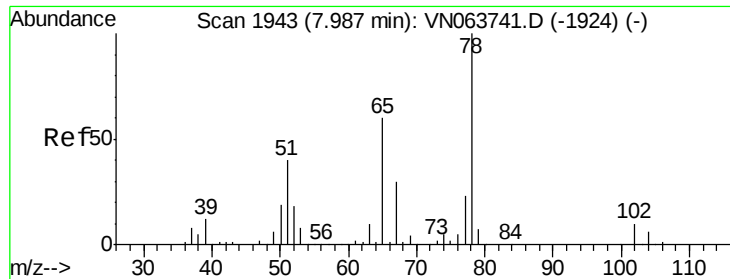
Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Tgt Ion:	97	Resp:	107047
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.0	76.6
61	46.5	38.7	58.1





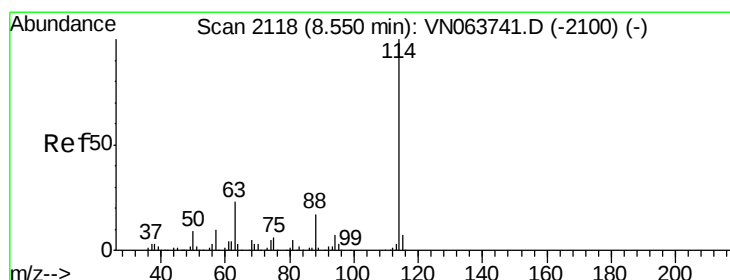
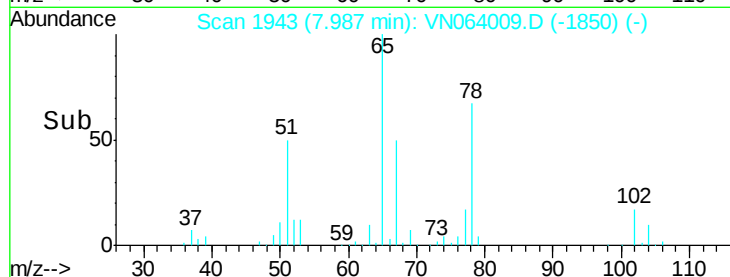
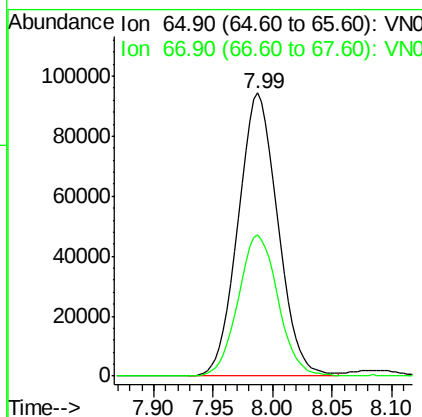
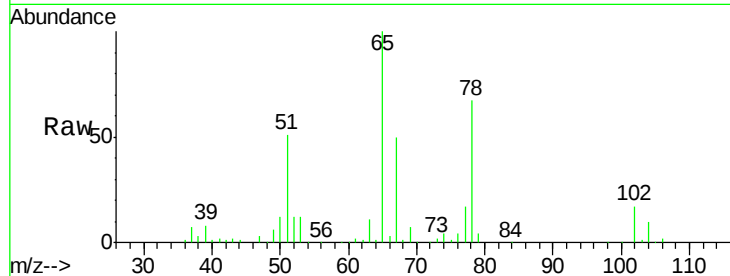
#33
 1,2-Dichloroethane-d4
 Concen: 49.100 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218272		
67	50.1	0.0	99.6	

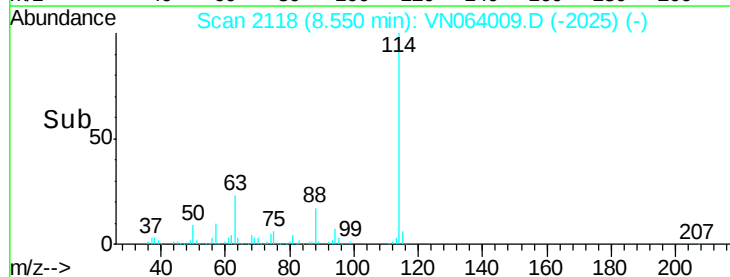
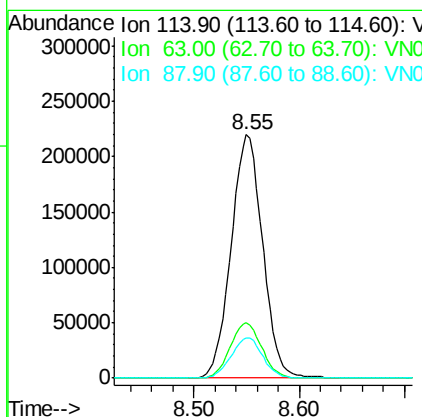
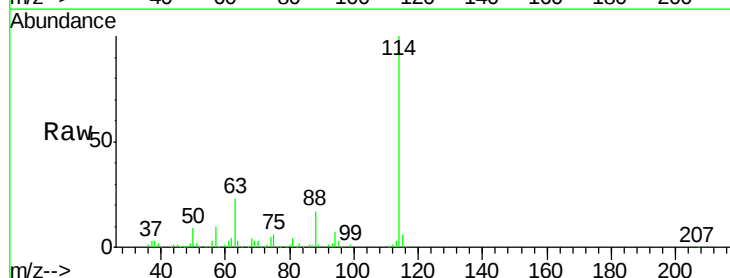
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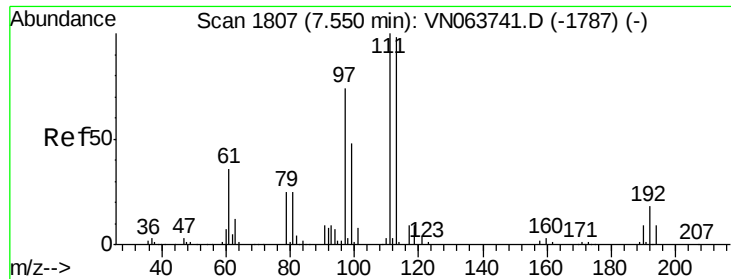
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455642		
63	22.6	0.0	45.0	
88	16.7	0.0	34.0	





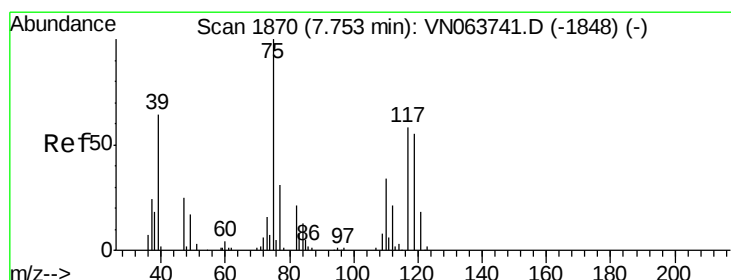
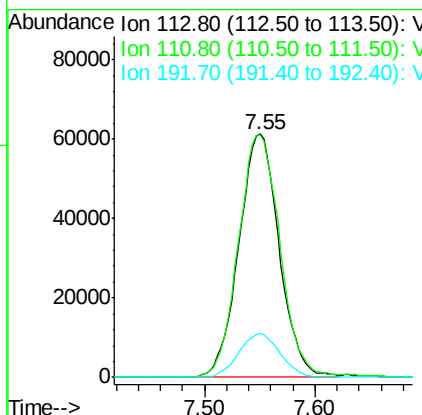
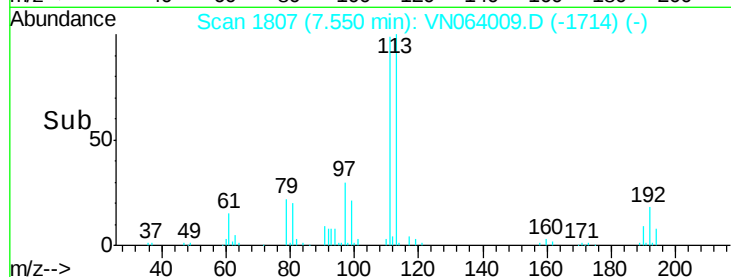
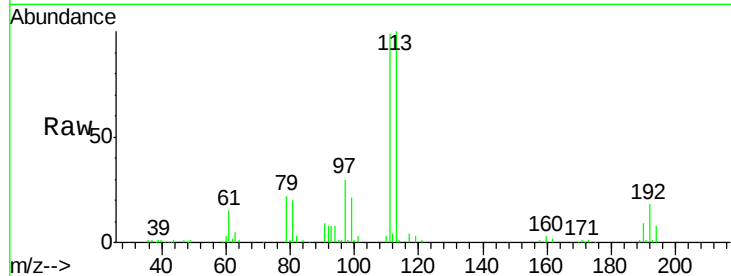
#35
Dibromofluoromethane
Concen: 49.062 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155115		
111	102.5	81.8	122.8	
192	18.3	14.2	21.2	

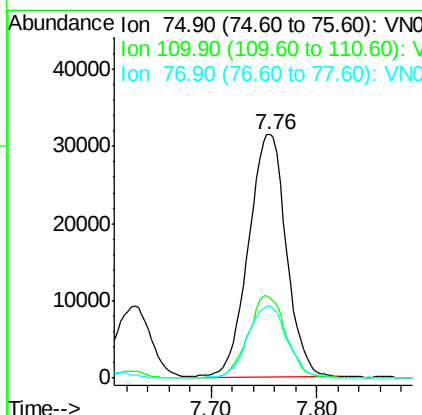
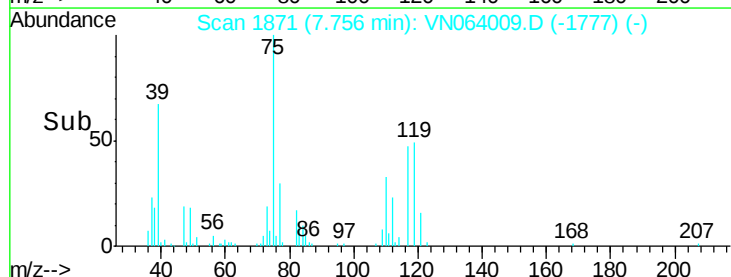
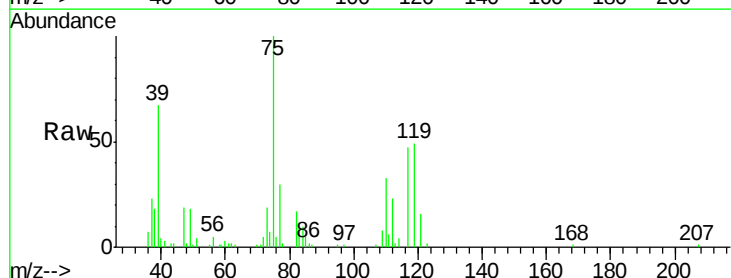
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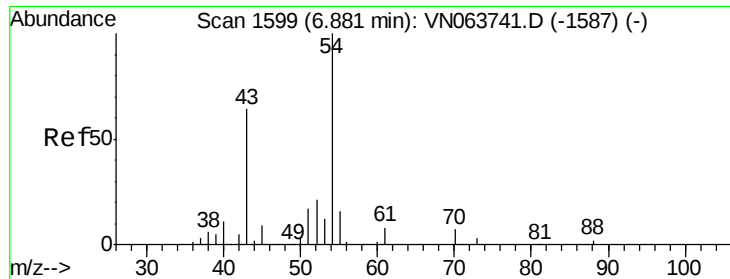
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#36
1,1-Dichloropropene
Concen: 17.030 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78611		
110	33.8	16.9	50.6	
77	31.2	24.5	36.7	





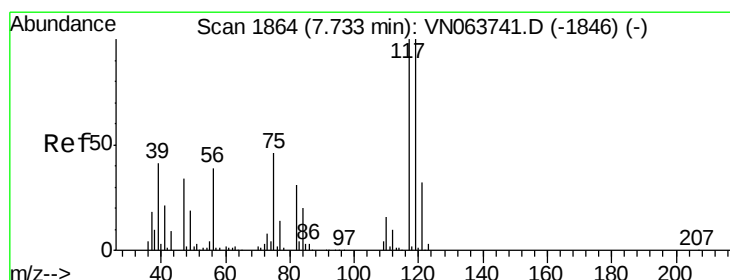
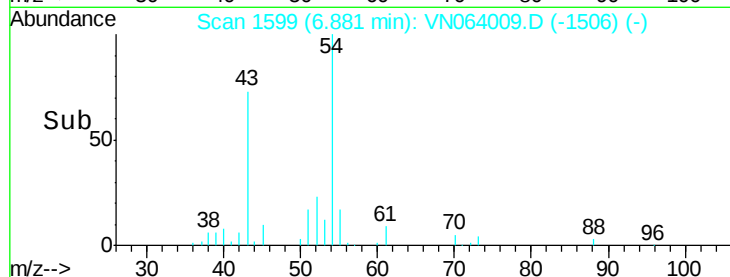
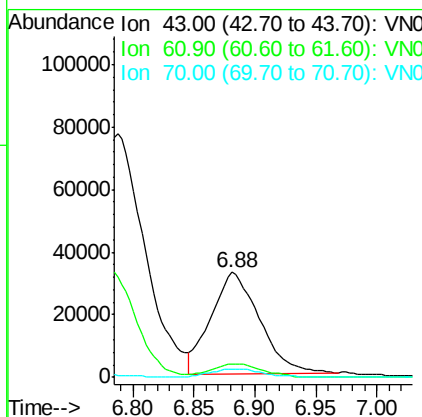
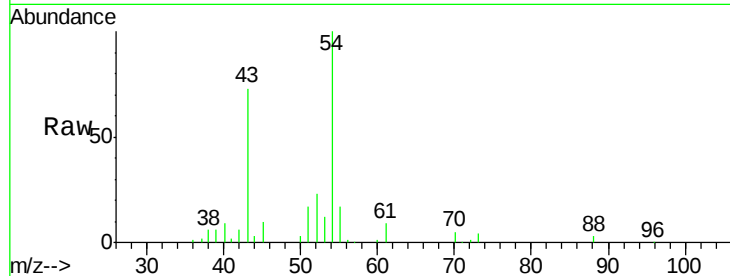
#37
Ethyl Acetate
Concen: 19.862 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampled :
VN1008WBSD02

Tot Ion	43	61	70
Resp	91088		
Ratio	100	14.1	8.8
Lower		10.4	7.3
Upper		15.6	10.9

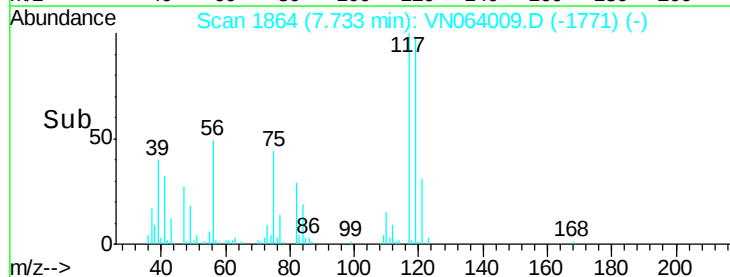
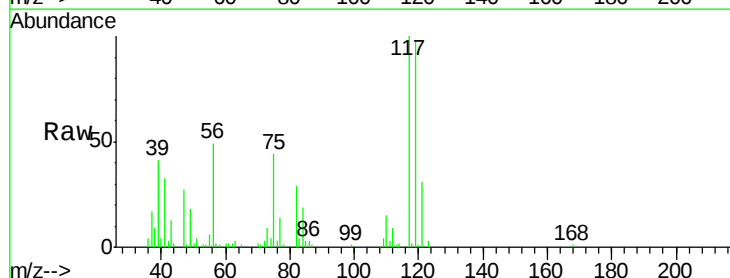
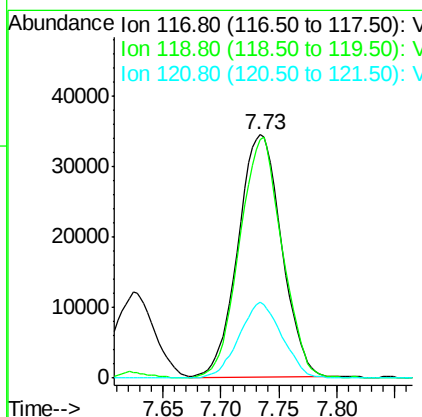
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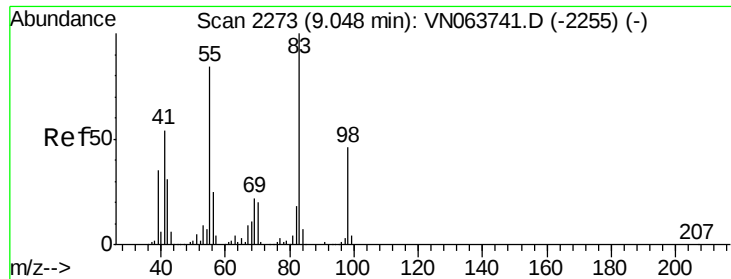
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#38
Carbon Tetrachloride
Concen: 17.438 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	117	119	121
Resp	90264		
Ratio	100	98.4	31.4
Lower		80.1	25.7
Upper		120.1	38.5





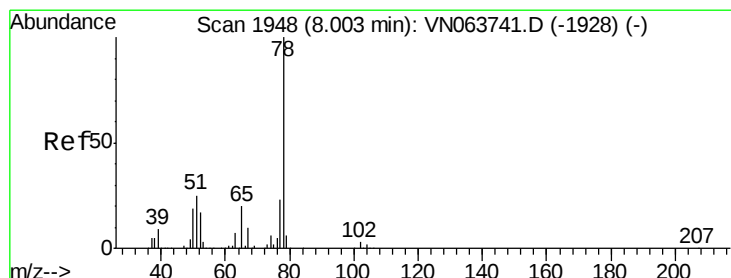
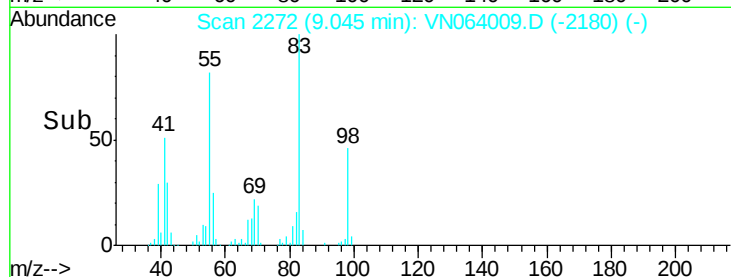
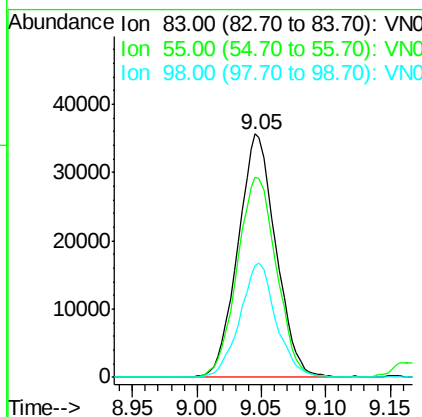
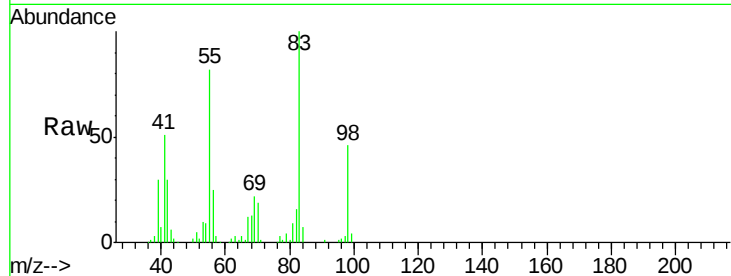
#39
Methvlcvclohexane
Concen: 15.834 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	67.1	100.7
98	45.9	36.6	54.8

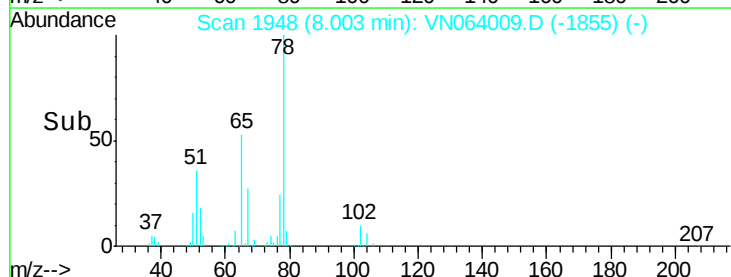
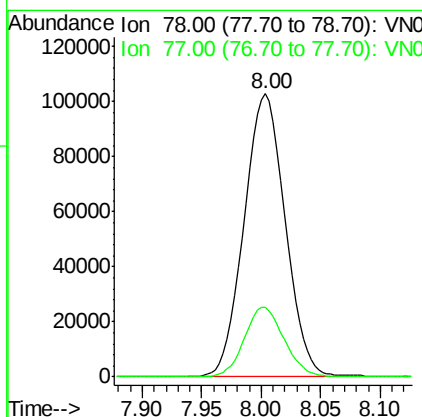
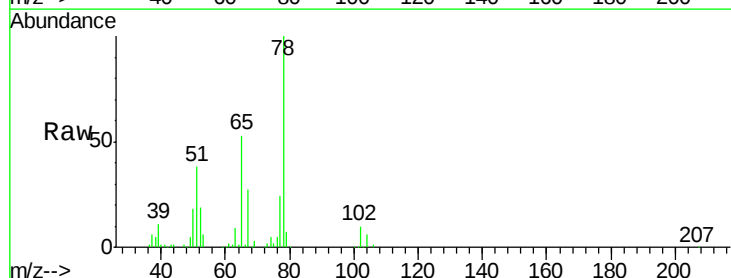
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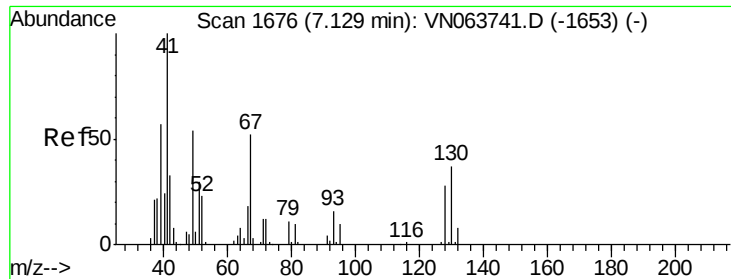
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#40
Benzene
Concen: 18.678 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.7	28.1





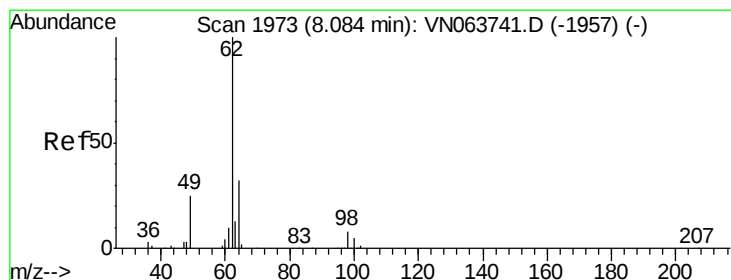
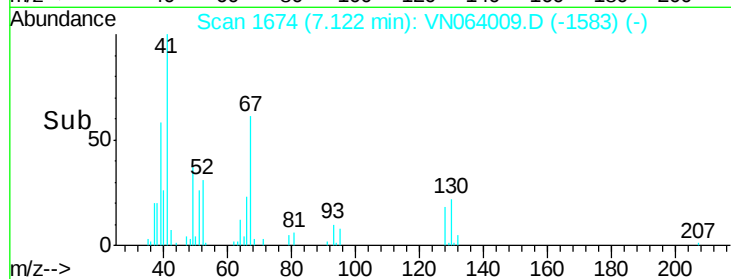
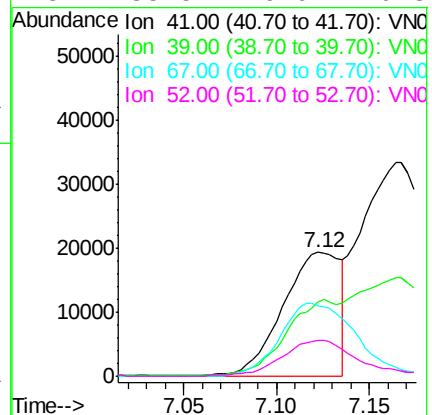
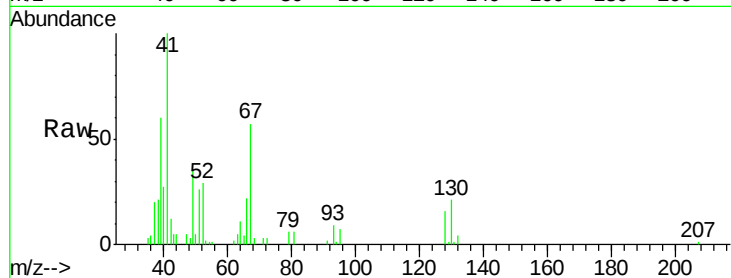
#41
Methacrylonitrile
Concen: 20.602 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	42.5	63.7	
67	78.6	57.4	86.2	
52	38.5	26.9	40.3	

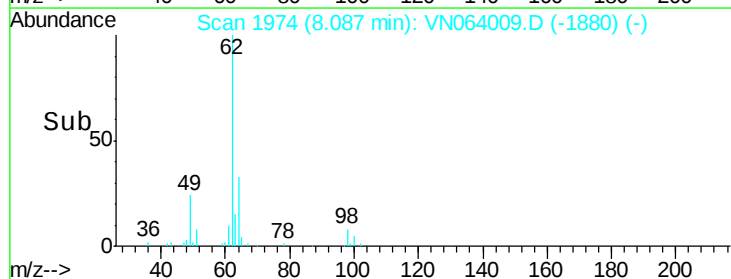
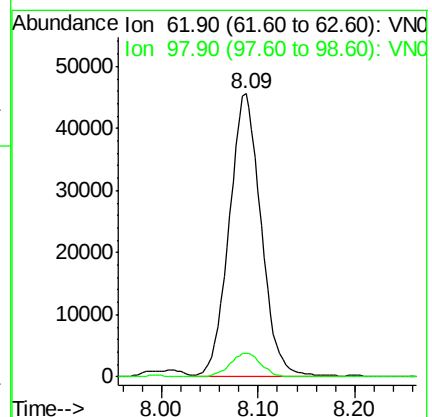
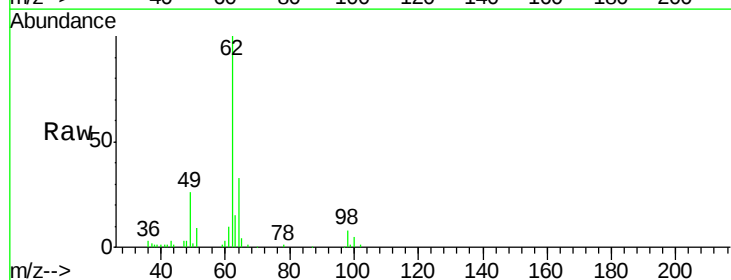
Manual Integrations
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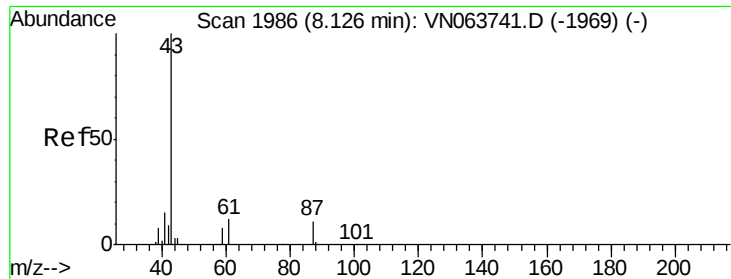
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.590 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.0	





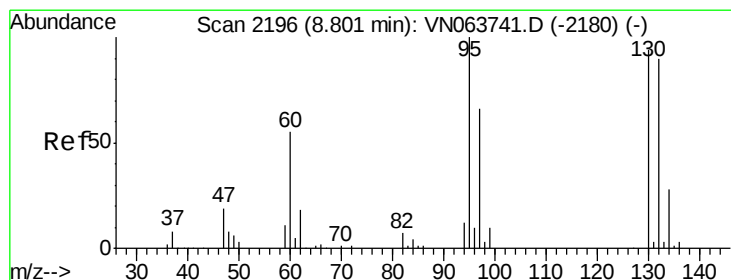
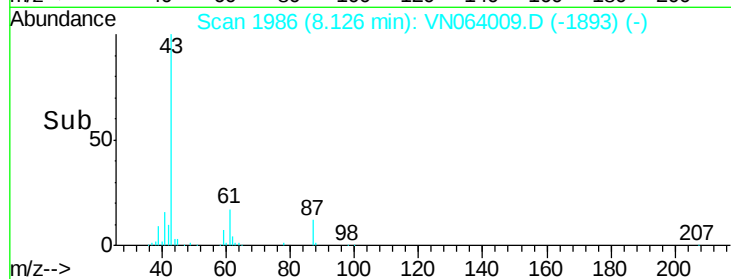
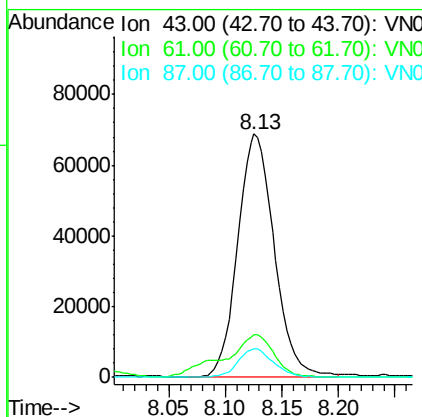
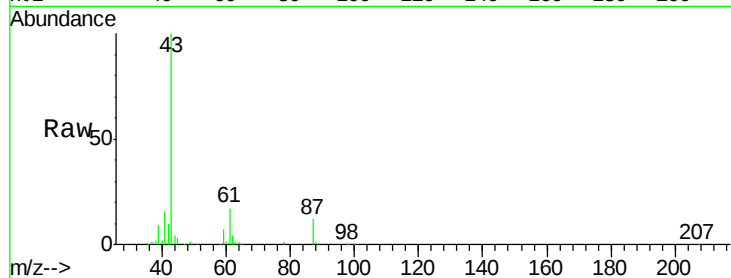
#43
Isopropyl Acetate
Concen: 20.284 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.2	14.2	21.4#
87	11.4	9.0	13.6

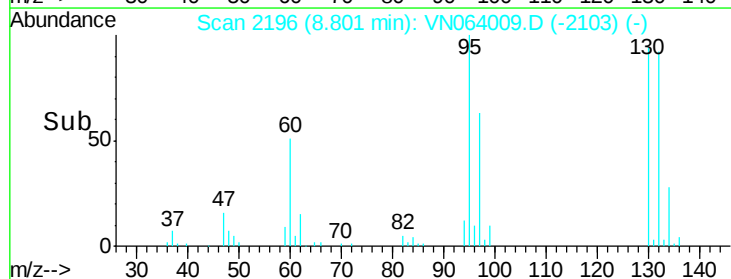
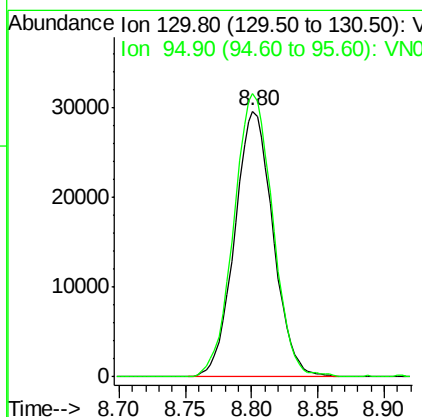
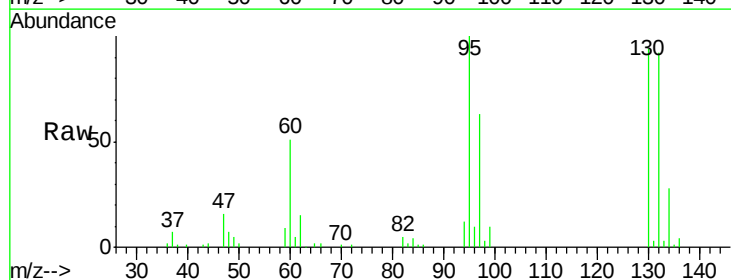
Manual Integrations
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#44
Trichloroethene
Concen: 17.254 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	213.6





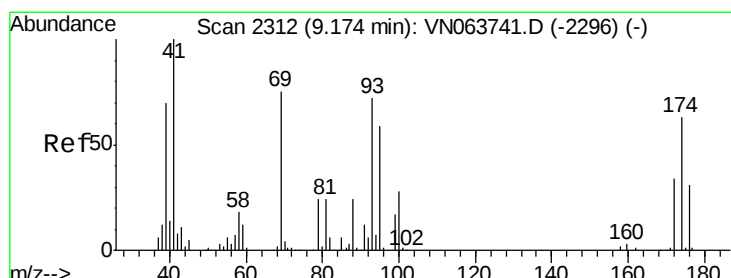
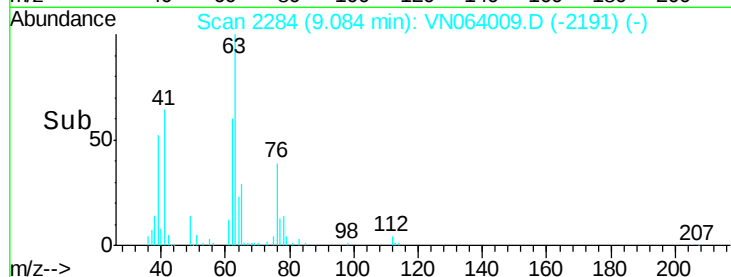
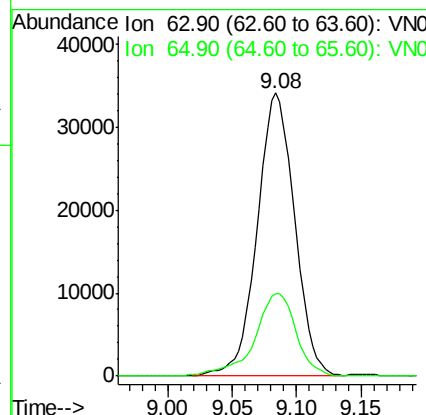
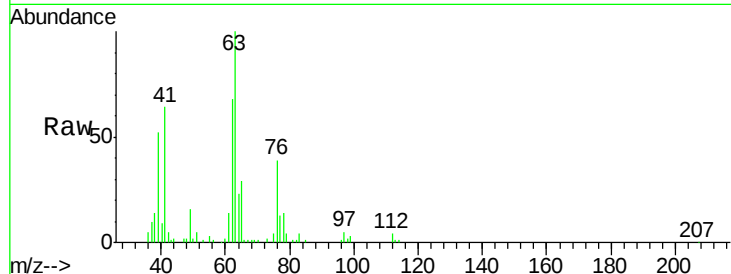
#45
 1,2-Dichloropropane
 Concen: 19.383 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Tot Ion: 63 Resp: 69020
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.7 37.1

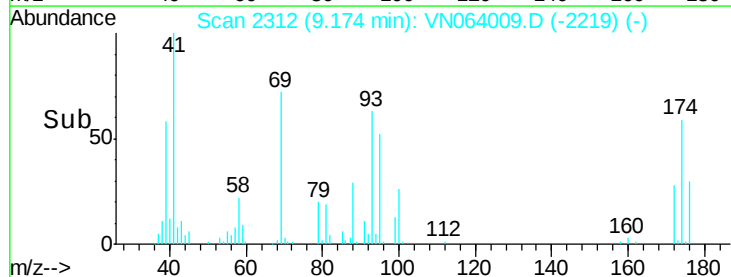
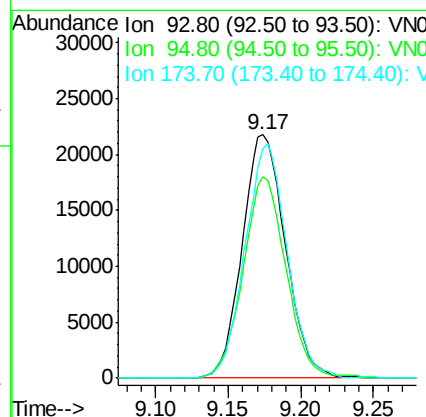
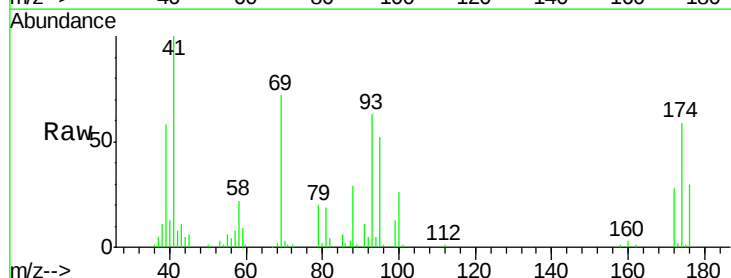
Manual Integrations
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#46
 Dibromomethane
 Concen: 18.376 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion: 93 Resp: 45139
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.3 99.5
 174 93.9 72.7 109.1





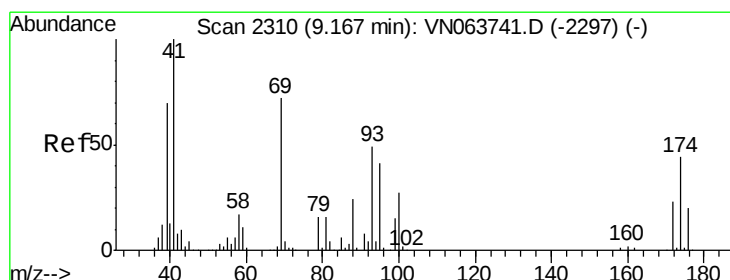
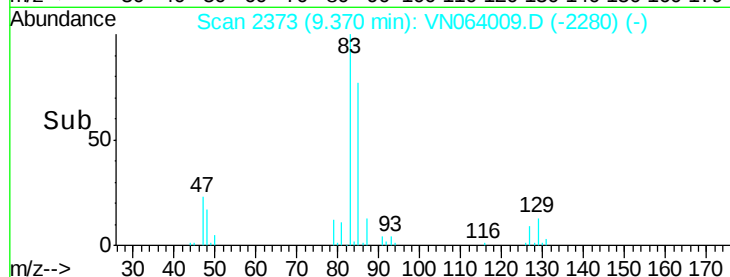
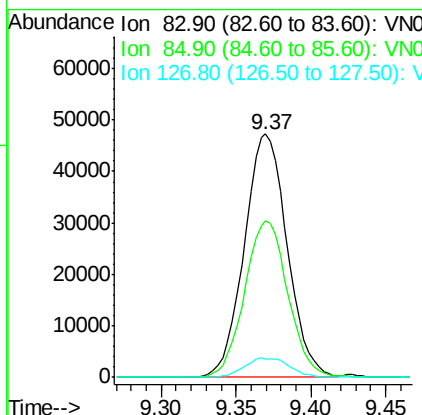
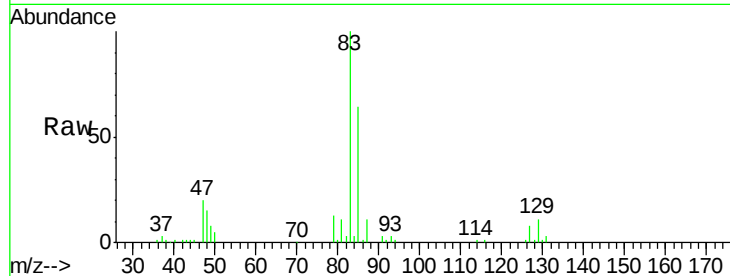
#47
Bromodichloromethane
Concen: 18.617 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	83	Resp	94247
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.6	75.8
127	7.8	6.6	9.8

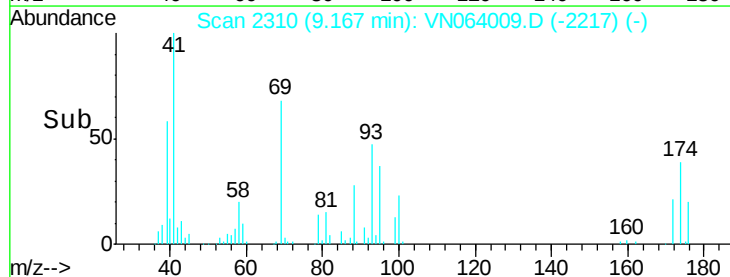
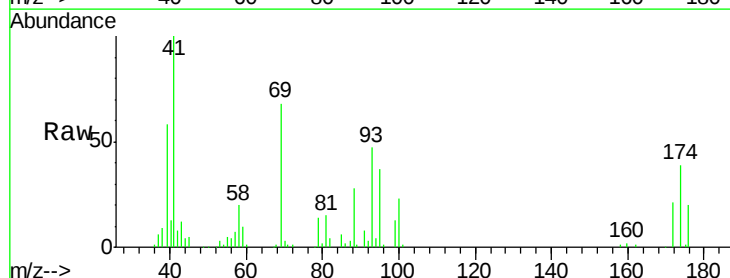
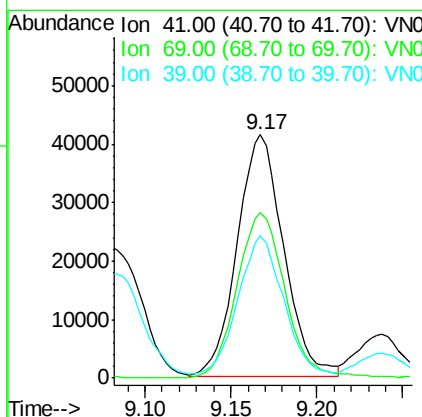
Manual Integrations
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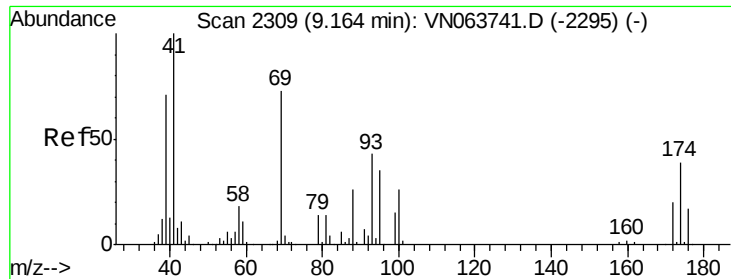
MMDadoda
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#48
Methyl methacrylate
Concen: 20.867 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	41	Resp	77988
Ion Ratio	100	Lower	Upper
41	100		
69	71.0	60.9	91.3
39	58.0	57.5	86.3





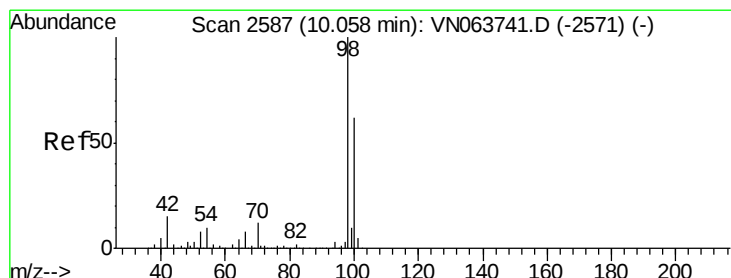
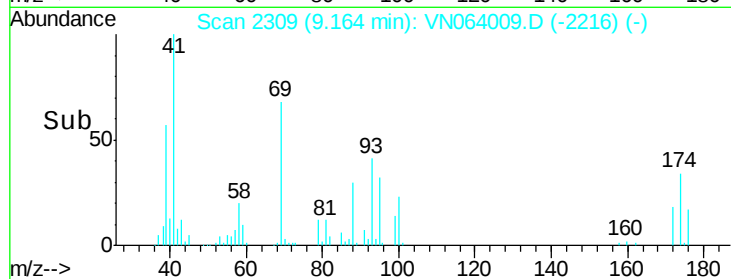
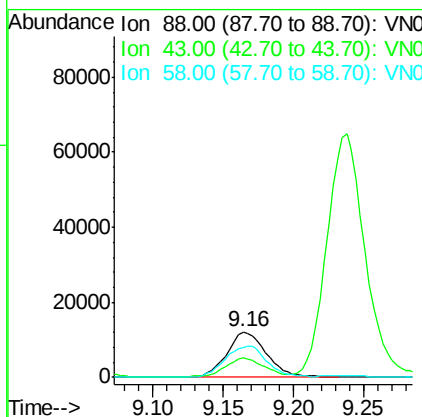
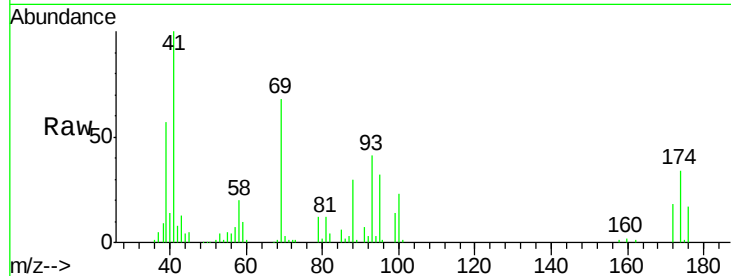
#49
1,4-Dioxane
Concen: 448.783 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	33.1	49.7
58	72.8	58.9	88.3

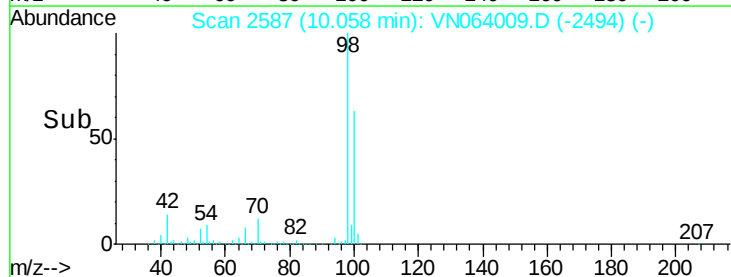
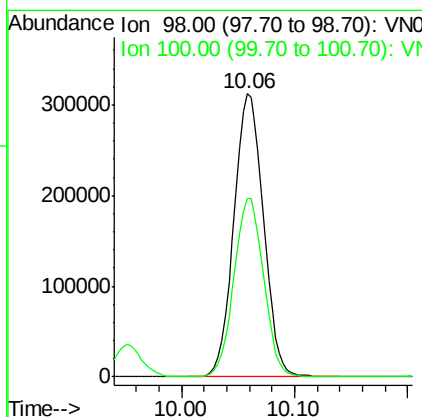
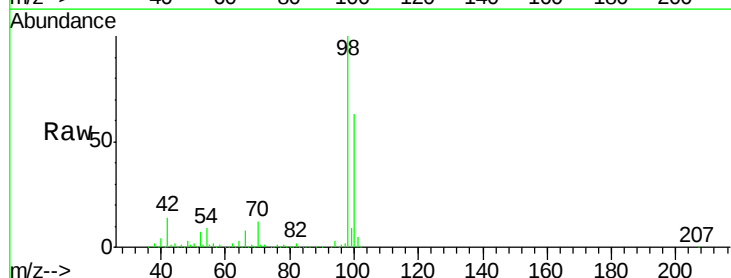
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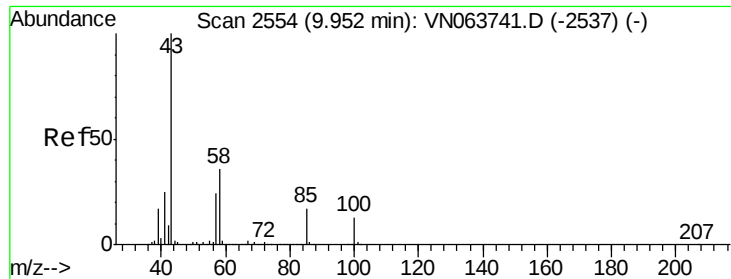
MMDadoda
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#50
Toluene-d8
Concen: 47.661 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 109.621 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion: 43 Resp: 486638

Ion Ratio Lower Upper

43 100

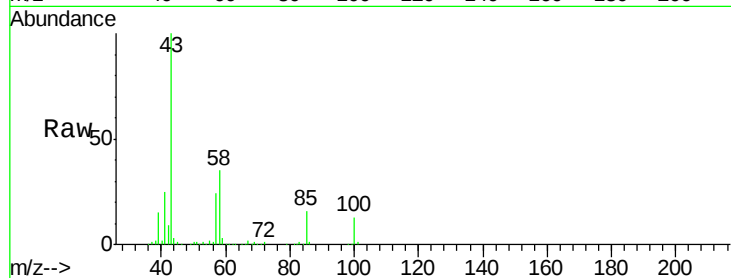
58 35.1 28.4 42.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)

9.95

250000

200000

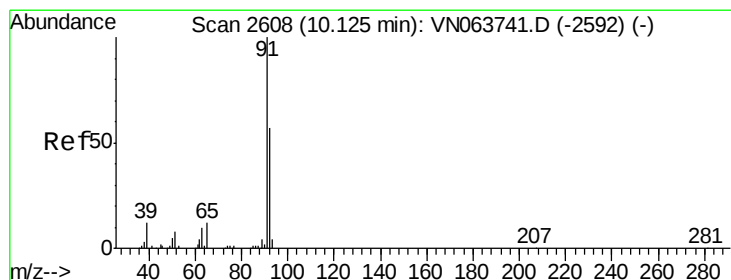
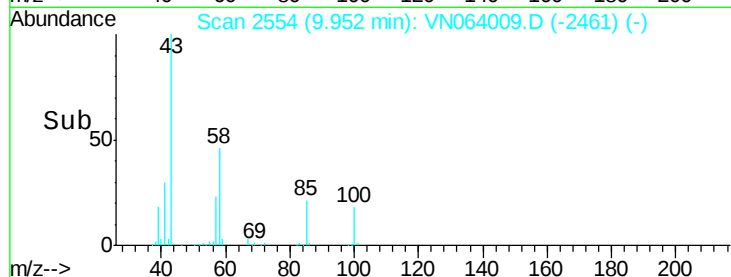
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.546 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064009.D

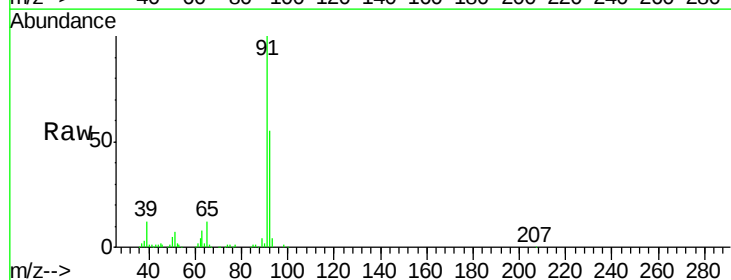
Acq: 9 Oct 2020 00:28

Tgt Ion: 92 Resp: 151248

Ion Ratio Lower Upper

92 100

91 176.3 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN063741.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063741.D (-2592) (-)

10.13

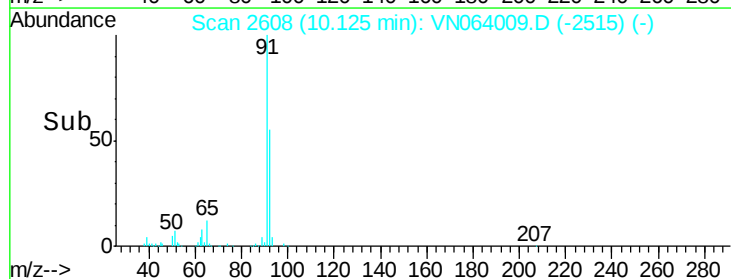
150000

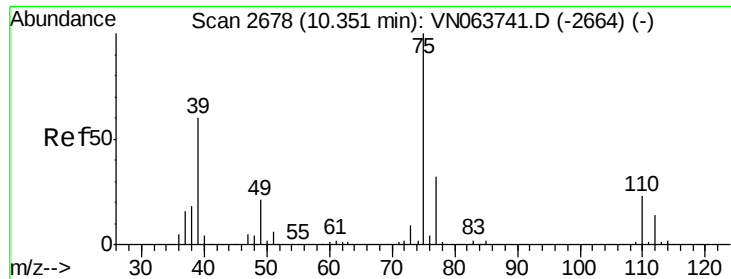
100000

50000

0

Time-->





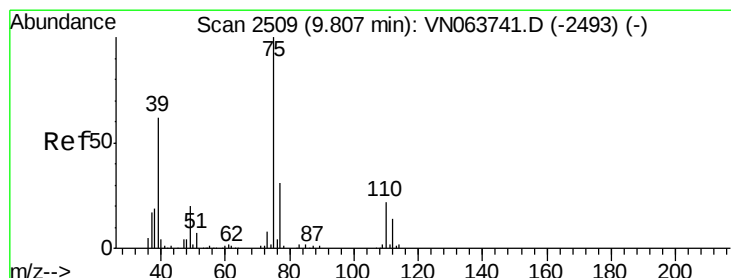
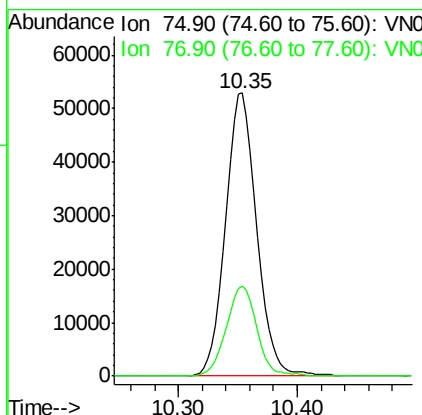
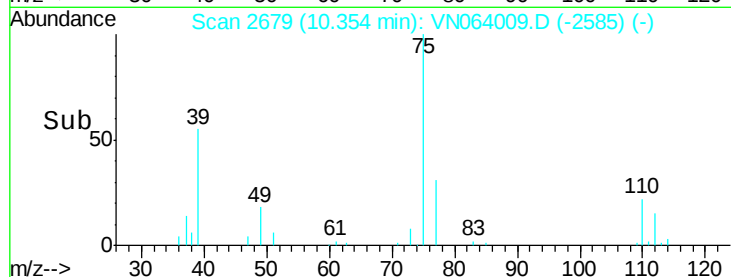
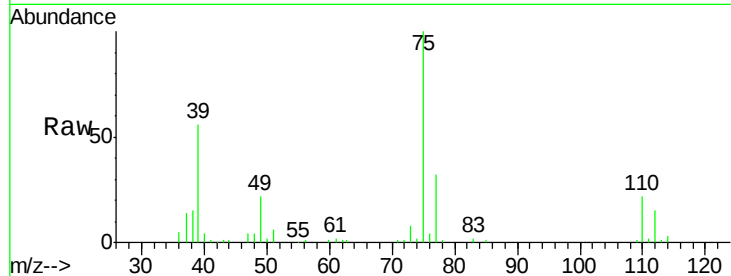
#53
t-1,3-Dichloropropene
Concen: 17.683 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion: 75 Resp: 95961
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9

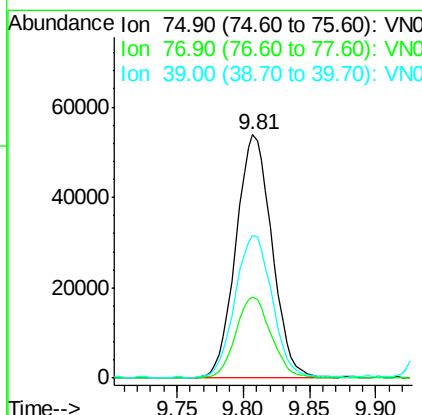
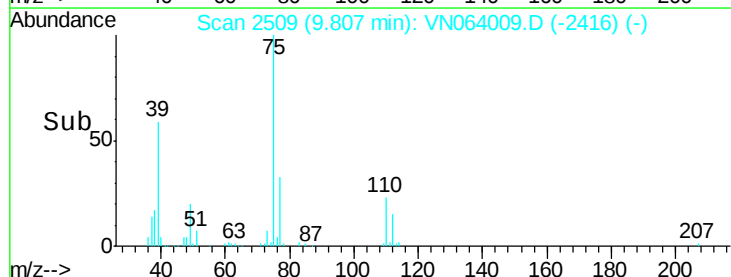
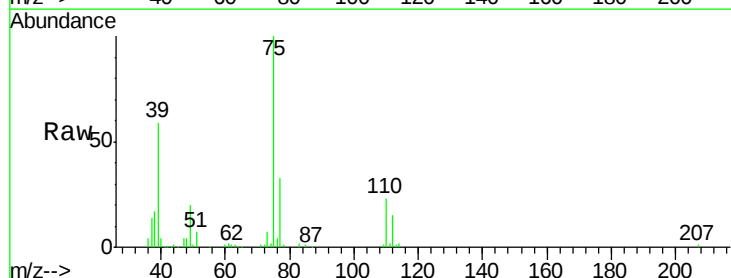
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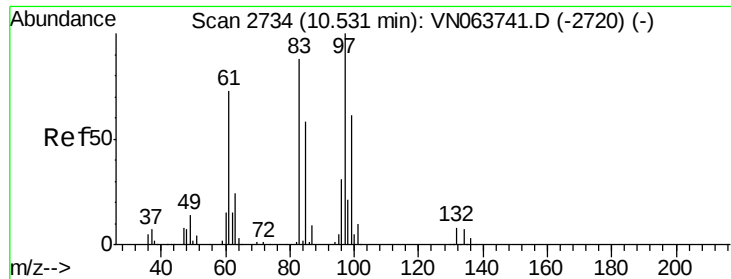
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.958 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion: 75 Resp: 101920
Ion Ratio Lower Upper
75 100
77 33.3 24.6 36.8
39 58.3 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 19.546 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

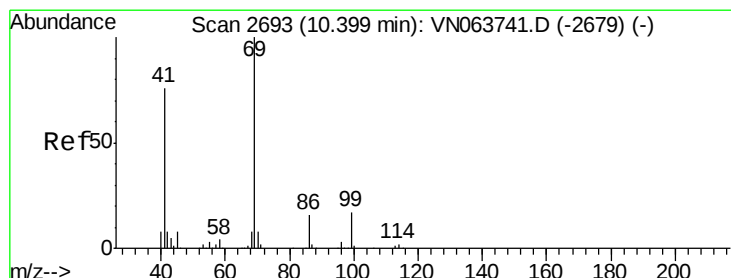
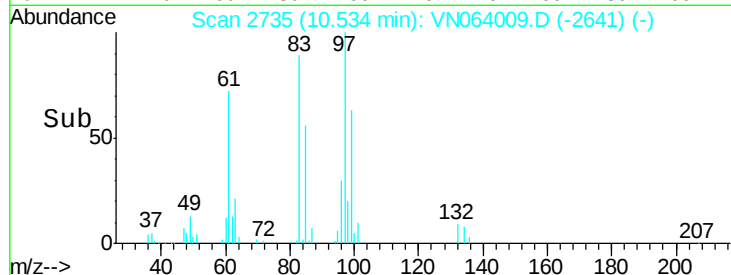
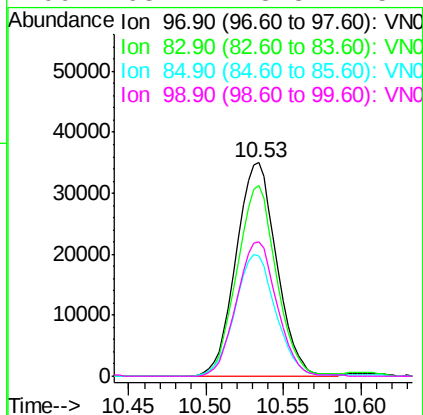
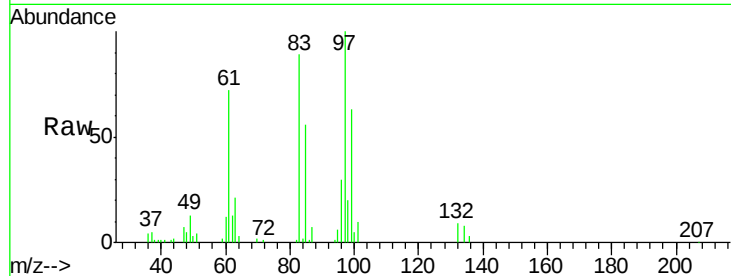
ClientSampleId :

VN1008WBSD02

Tot Ion:	97	Resp:	63925
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.7	106.1
85	56.1	46.1	69.1
99	63.2	48.8	73.2

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#56

Ethyl methacrylate

Concen: 19.121 ug/l

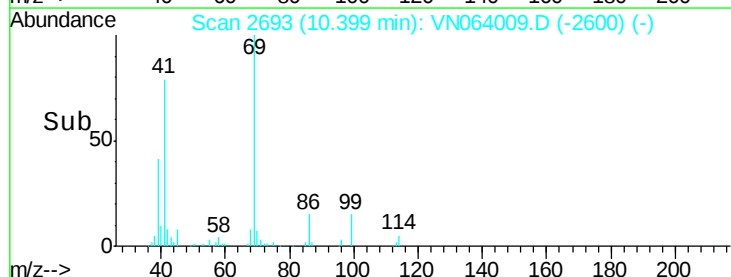
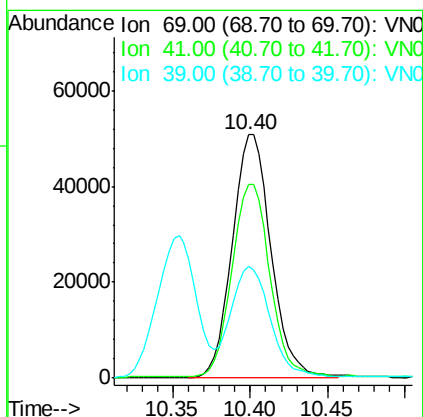
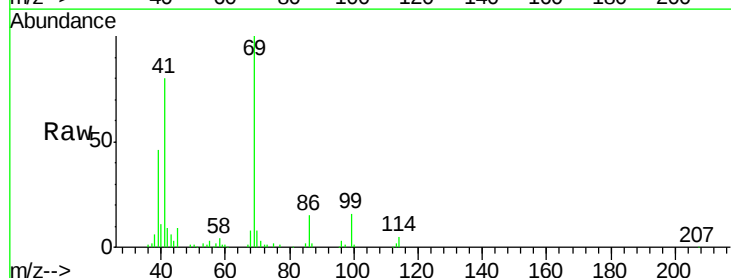
RT: 10.40 min Scan# 2693

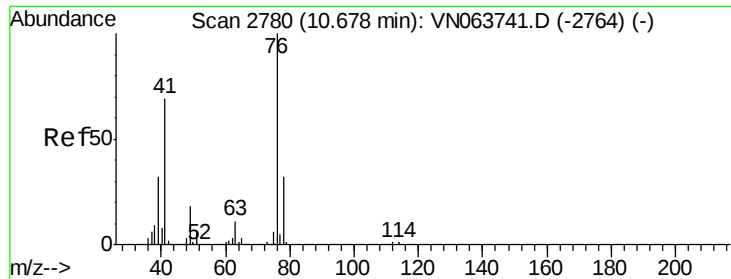
Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Tgt Ion:	69	Resp:	88640
Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.1	91.7
39	45.9	42.2	63.4





#57

1,3-Dichloropropane

Concen: 19.630 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion: 76 Resp: 108614

Ion Ratio Lower Upper

76 100

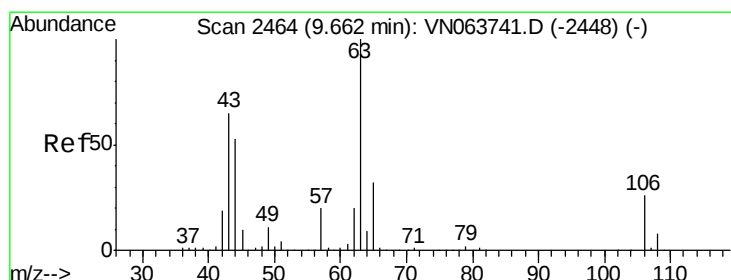
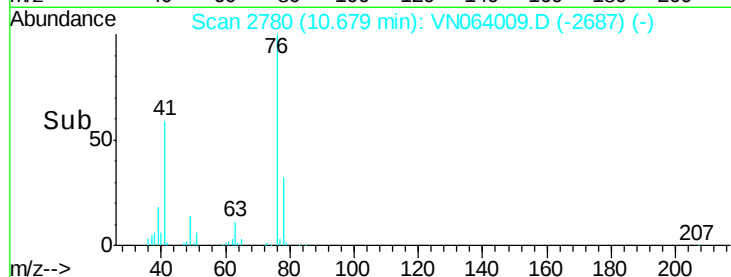
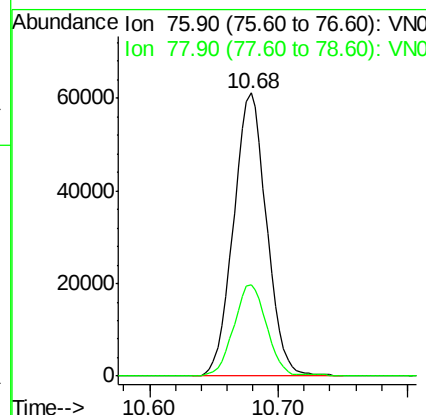
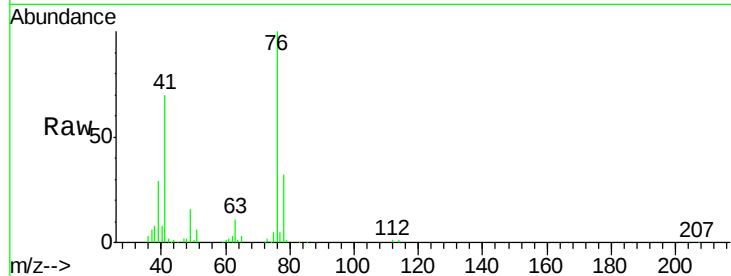
78 32.0 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 97.822 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064009.D

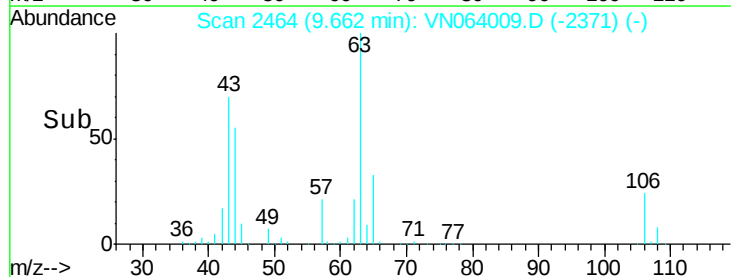
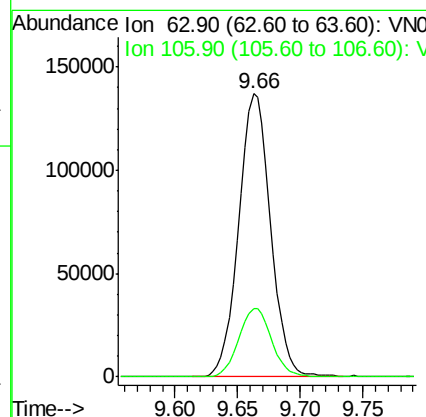
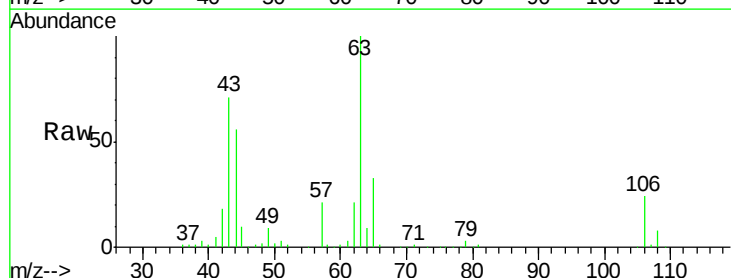
Acq: 9 Oct 2020 00:28

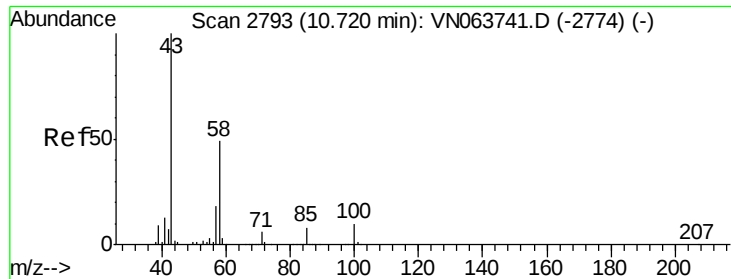
Tgt Ion: 63 Resp: 242576

Ion Ratio Lower Upper

63 100

106 25.0 20.7 31.1





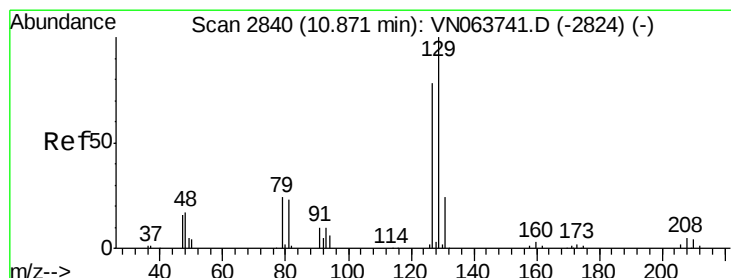
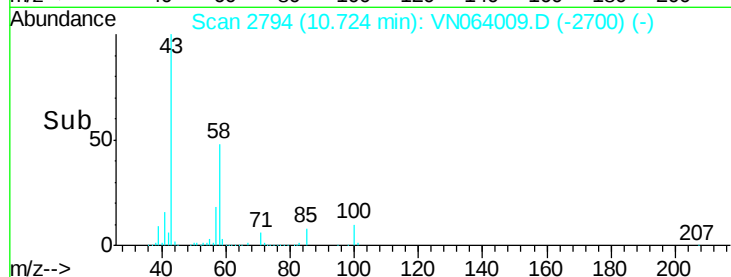
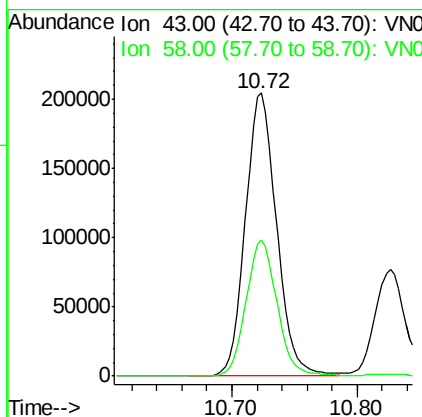
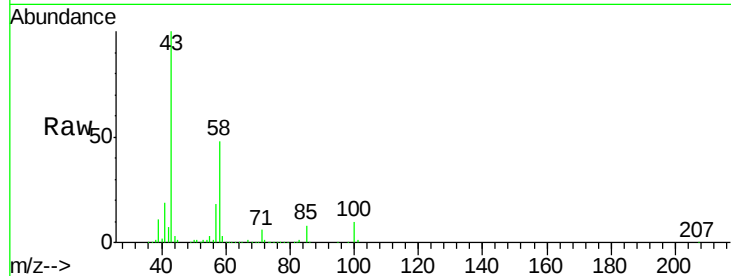
#59
2-Hexanone
Concen: 107.250 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion: 43 Resp: 353686
Ion Ratio Lower Upper
43 100
58 47.9 24.6 73.8

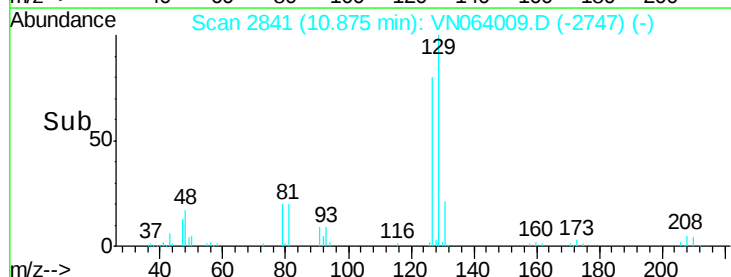
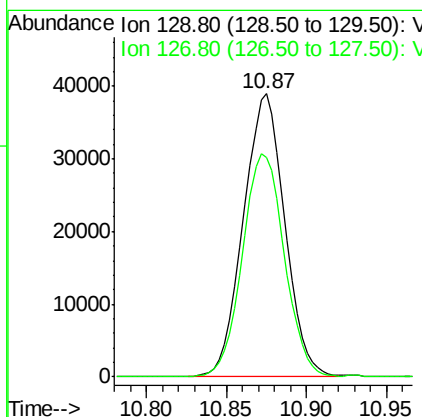
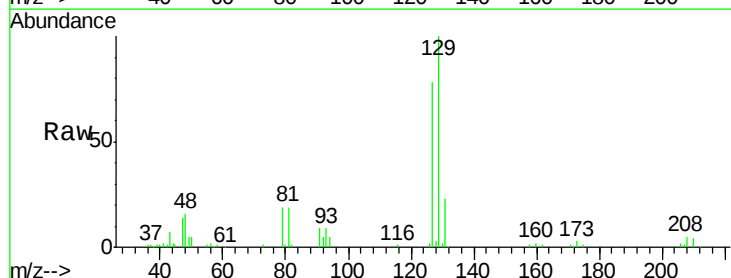
Manual Integrations
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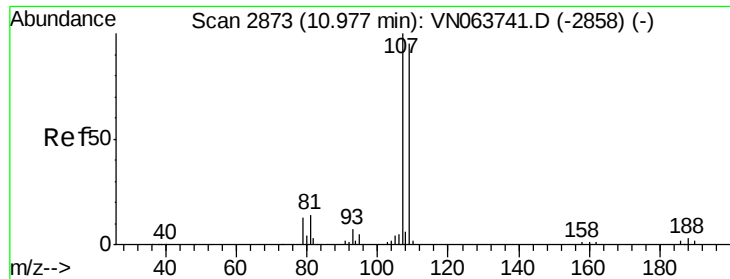
MMDadoda
10/9/2020 4:53:06 PM



#60
Dibromochloromethane
Concen: 18.098 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion: 129 Resp: 68931
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.7





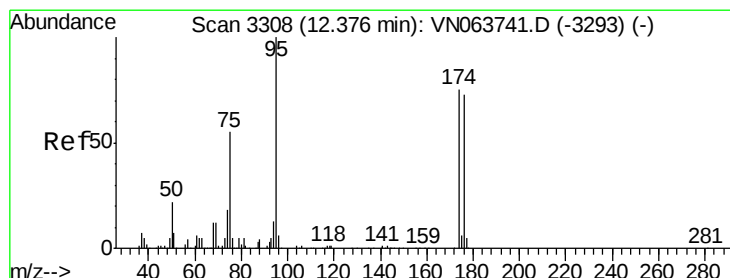
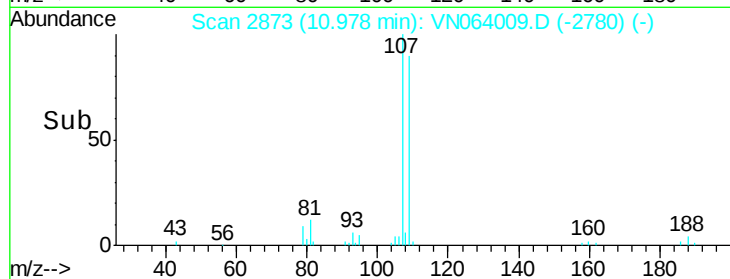
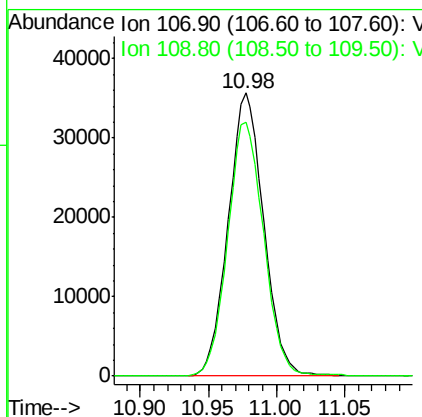
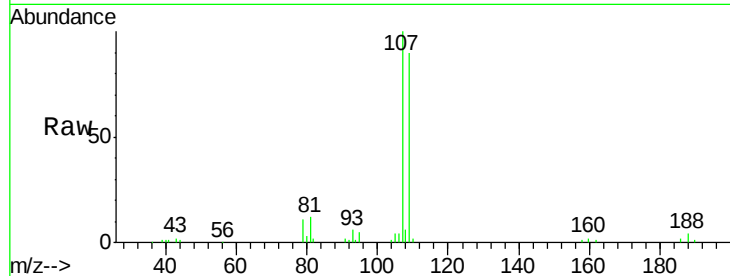
#61
 1,2-Dibromoethane
 Concen: 19.268 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.0	74.8	112.2

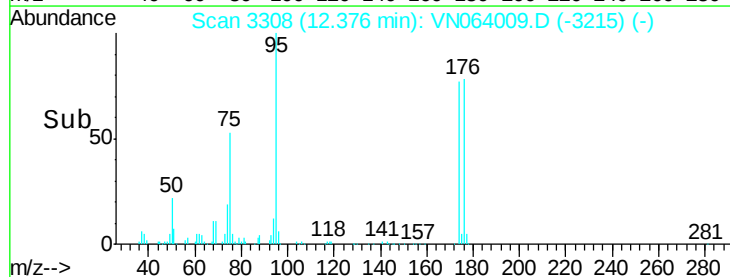
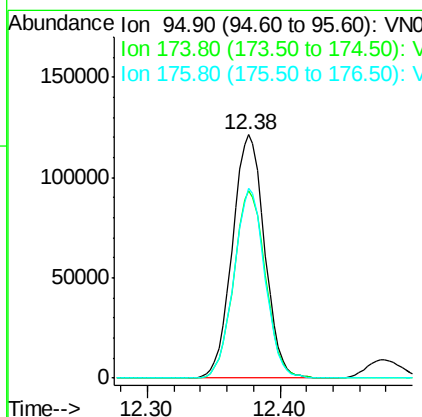
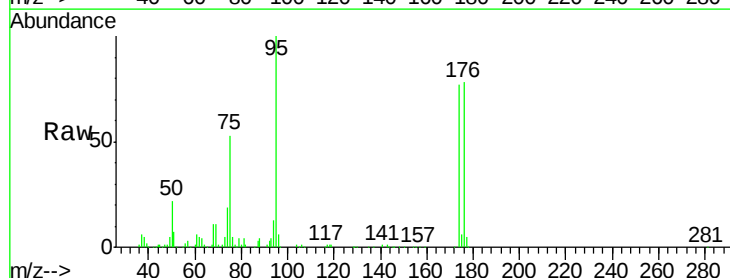
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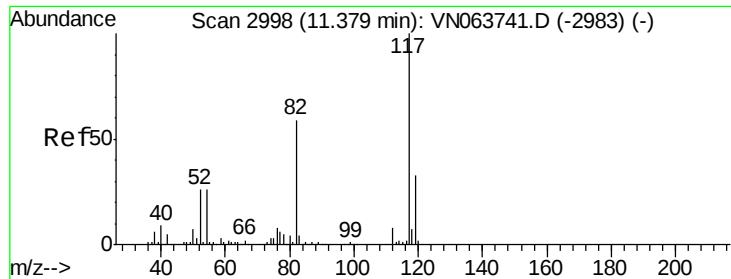
MMDadoda
 10/9/2020 4:53:06 PM



#62
 4-Bromofluorobenzene
 Concen: 45.428 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.6
176	75.2	0.0	145.4





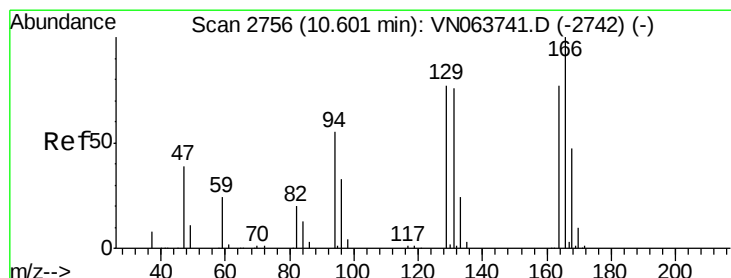
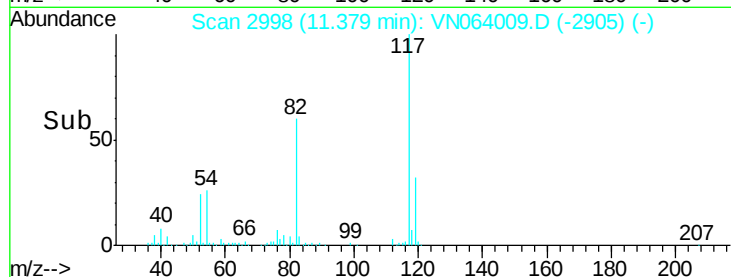
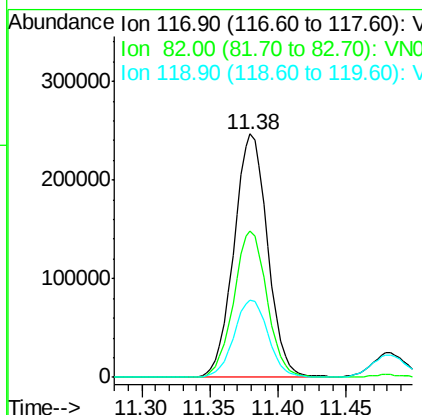
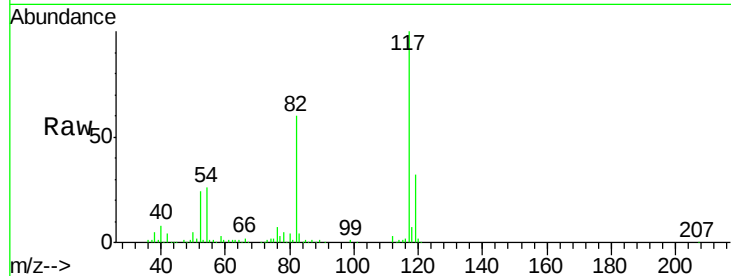
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.4	71.2
119	31.8	26.4	39.6

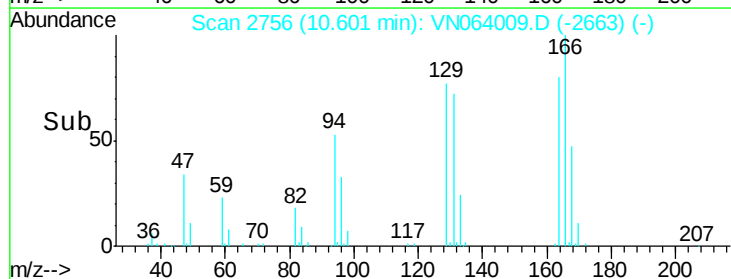
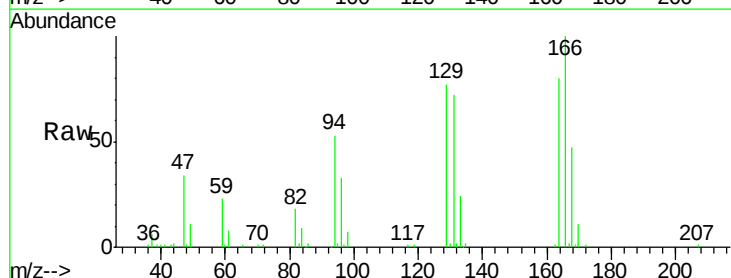
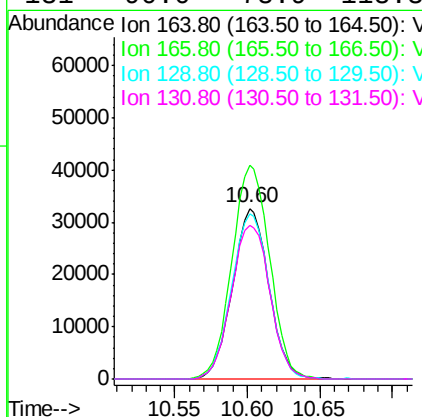
Manual Integrations
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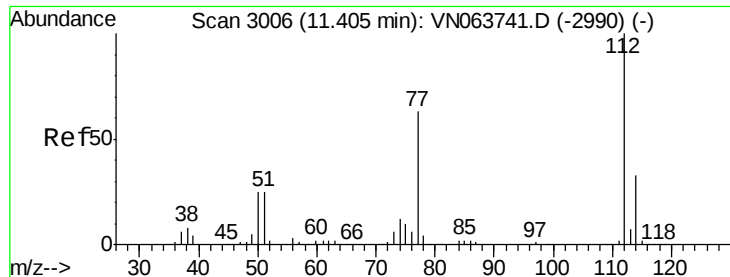
MMDadoda
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#64
Tetrachloroethene
Concen: 17.461 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	103.9	155.9
129	97.0	80.3	120.5
131	90.0	78.9	118.3





#65

Chlorobenzene

Concen: 18.332 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion:112 Resp: 158829

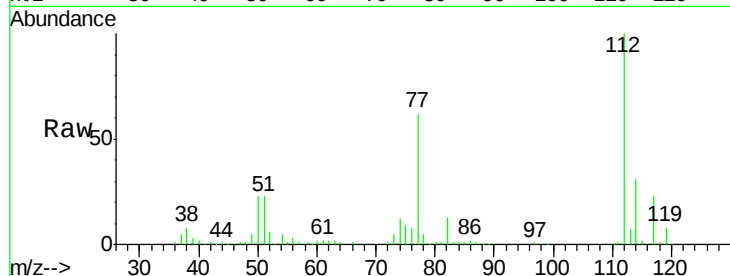
Ion Ratio Lower Upper

112 100

114 31.0 26.1 39.1

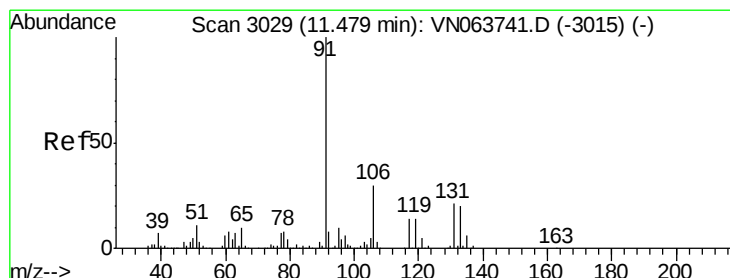
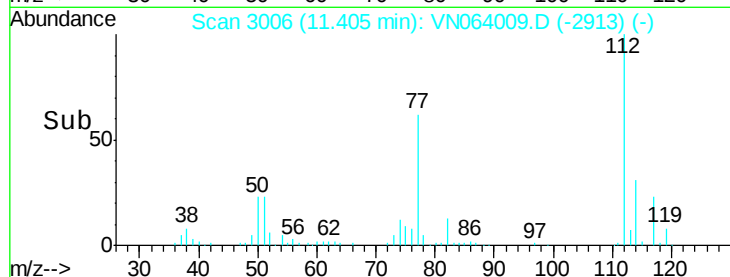
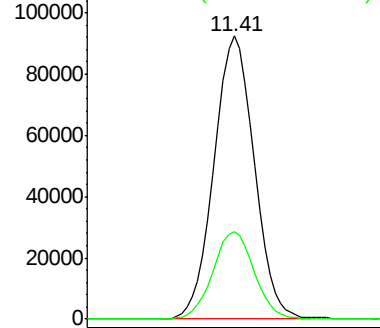
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.225 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

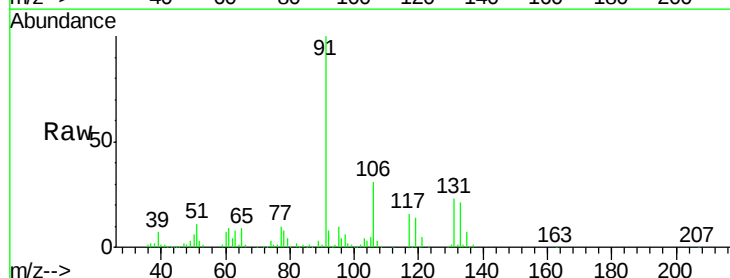
Tgt Ion:131 Resp: 63855

Ion Ratio Lower Upper

131 100

133 92.1 47.3 141.8

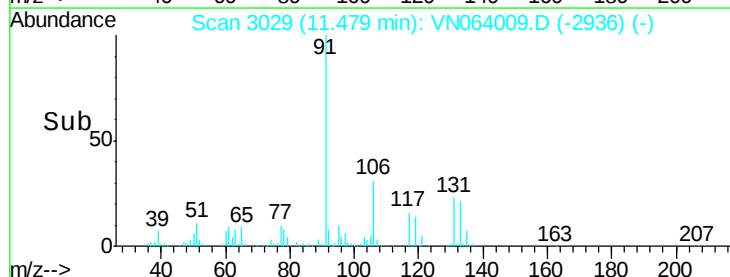
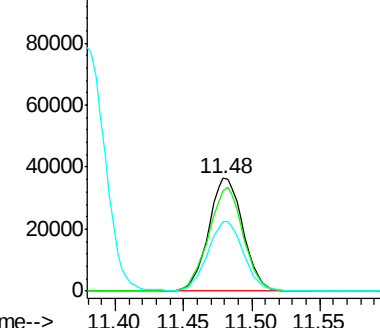
119 64.3 32.6 97.7

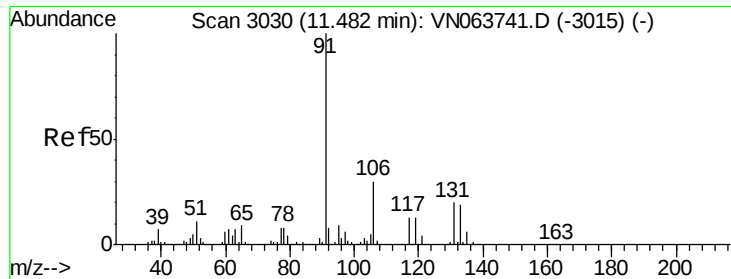


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





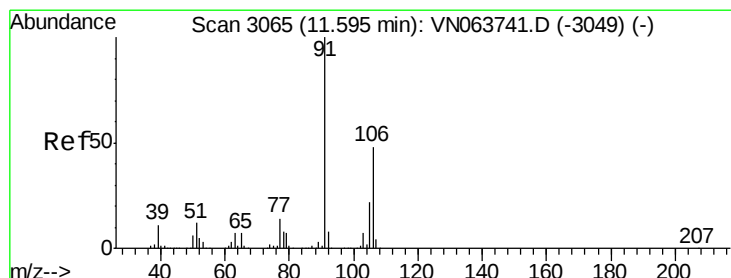
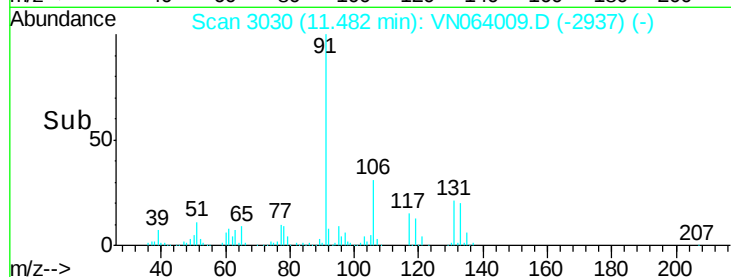
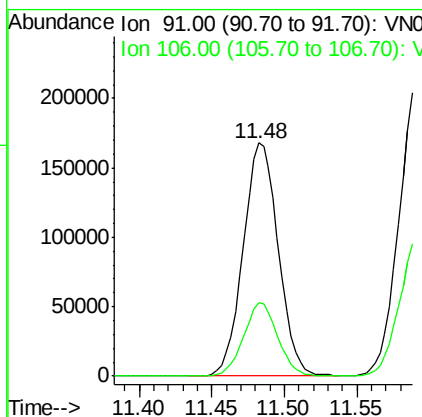
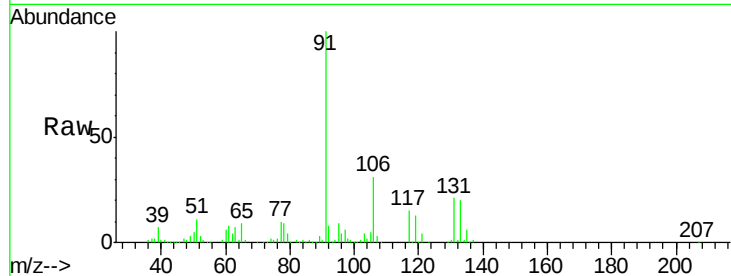
#67
Ethyl Benzene
Concen: 17.974 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion: 91 Resp: 283362
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.2

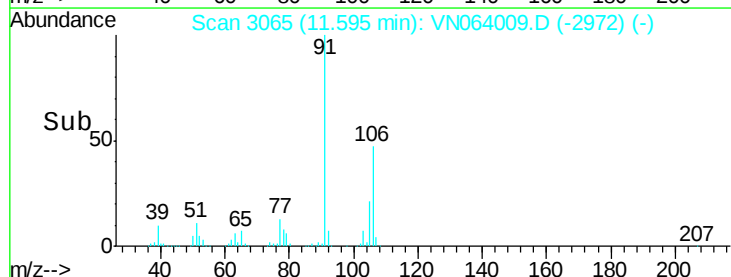
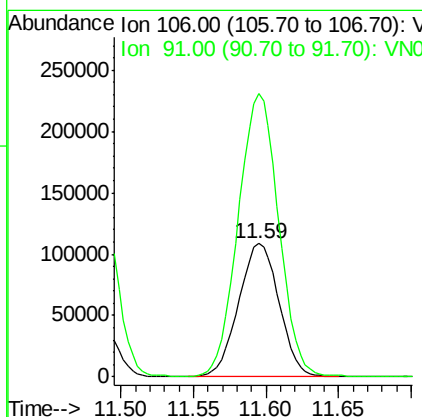
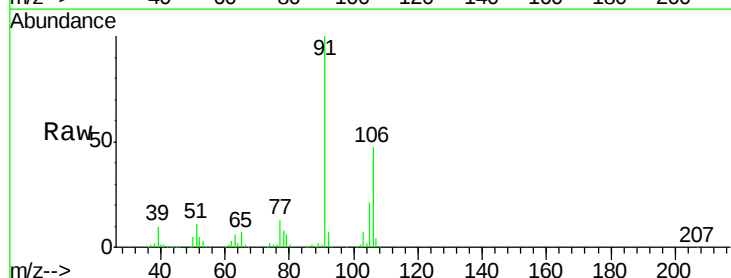
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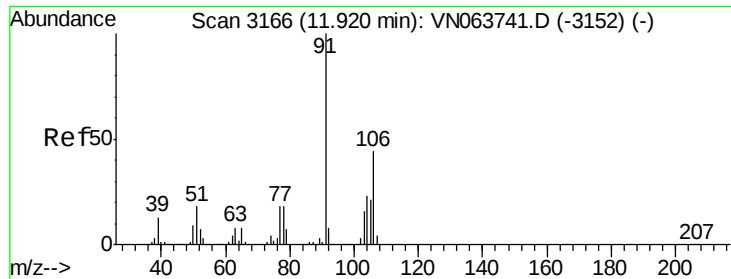
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10/9/2020 4:53:06 PM



#68
m/p-Xylenes
Concen: 35.888 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion: 106 Resp: 210863
Ion Ratio Lower Upper
106 100
91 211.9 168.0 252.0





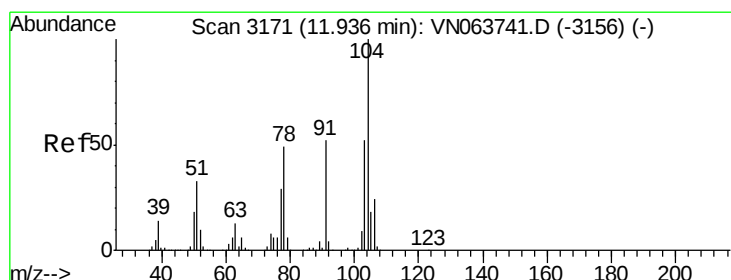
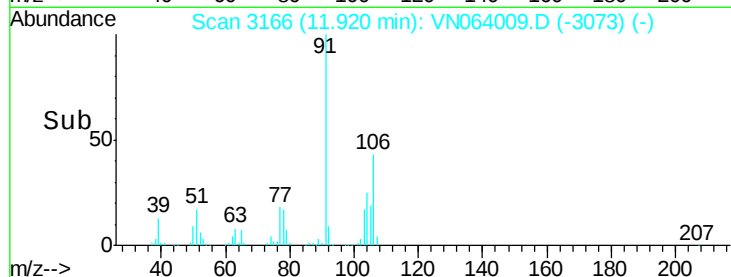
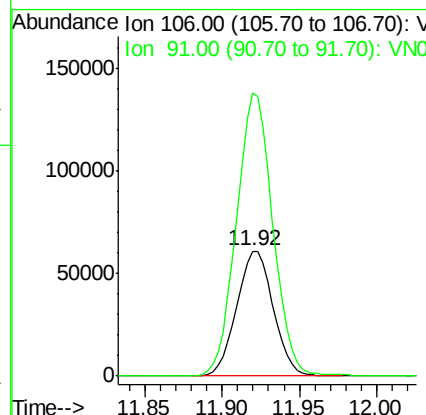
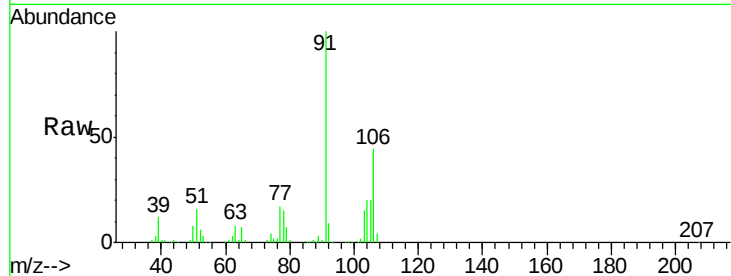
#69
o-Xylene
Concen: 18.321 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	100616		
91	91	225.1	112.7	338.0	

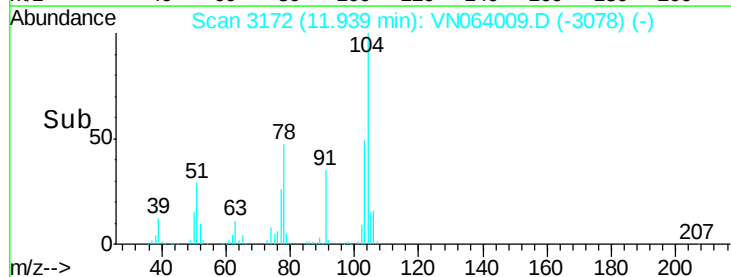
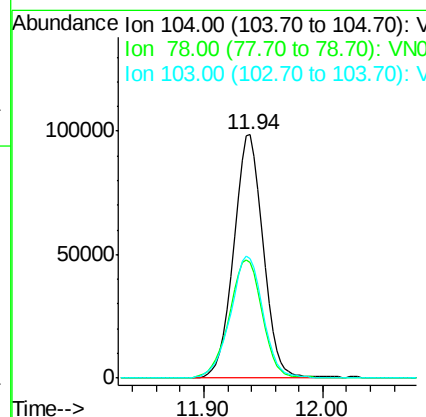
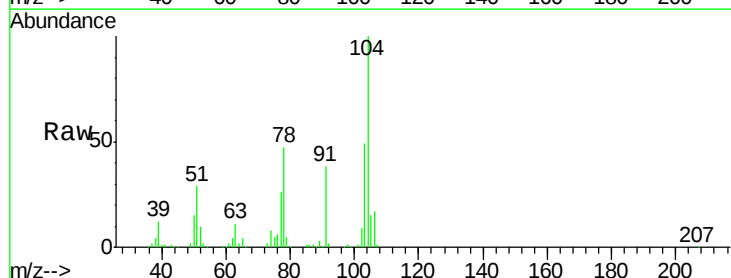
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#70
Styrene
Concen: 18.225 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	169897		
78	78	54.3	44.1	66.1	
103	103	55.3	44.3	66.5	





#71

Bromoform

Concen: 18.324 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion:173 Resp: 46548

Ion Ratio Lower Upper

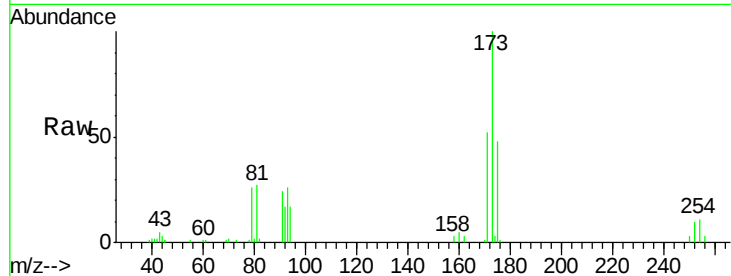
173 100

175 49.9 23.5 70.5

254 0.0 0.0 0.0

Manual Integrations
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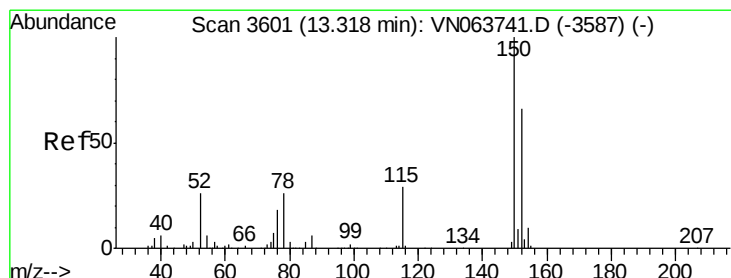
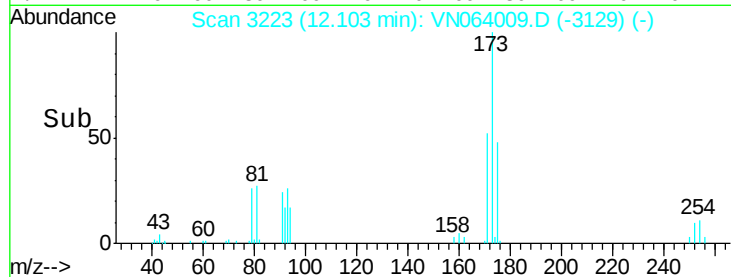
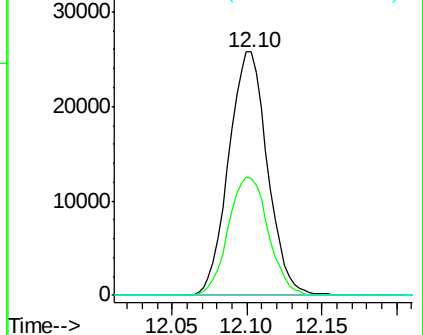
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN064009.D

Acq: 9 Oct 2020 00:28

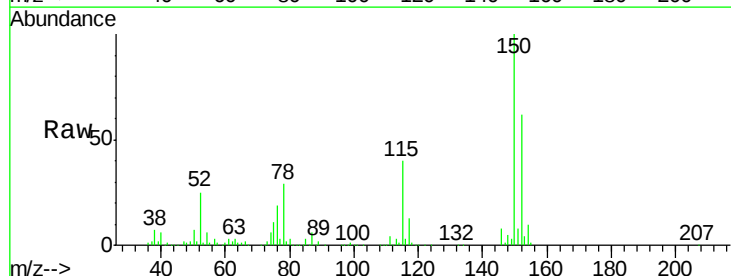
Tgt Ion:152 Resp: 189817

Ion Ratio Lower Upper

152 100

115 62.5 31.3 93.8

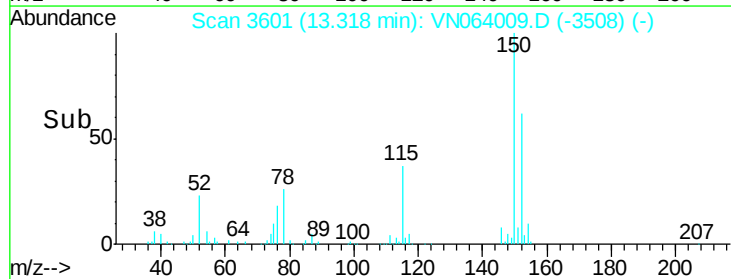
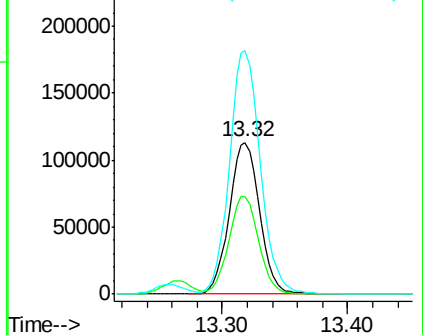
150 162.8 0.0 341.8

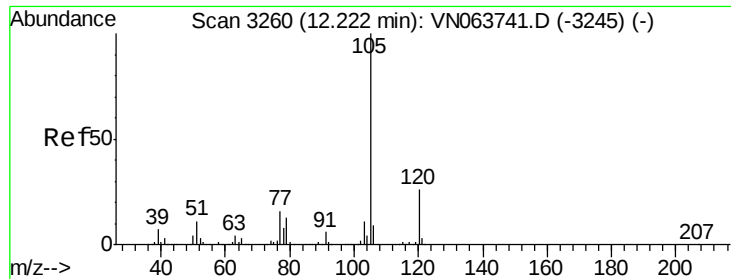


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.121 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion: 105 Resp: 264737

Ion Ratio Lower Upper

105 100

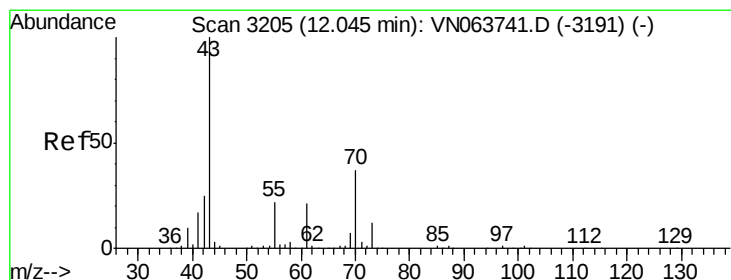
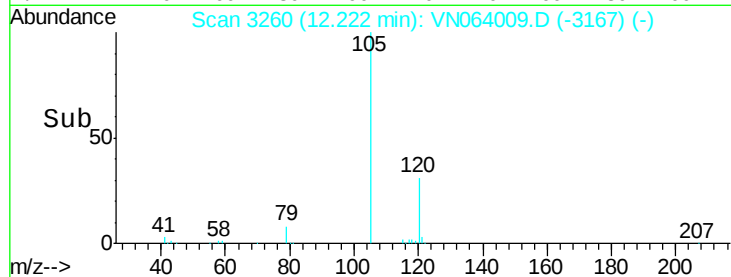
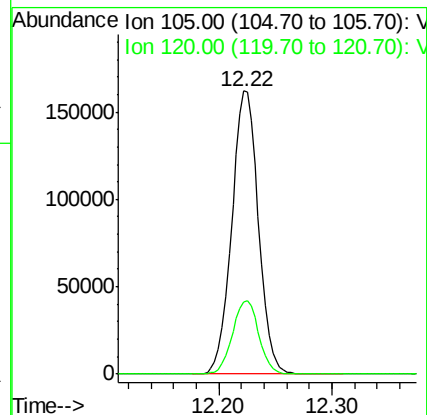
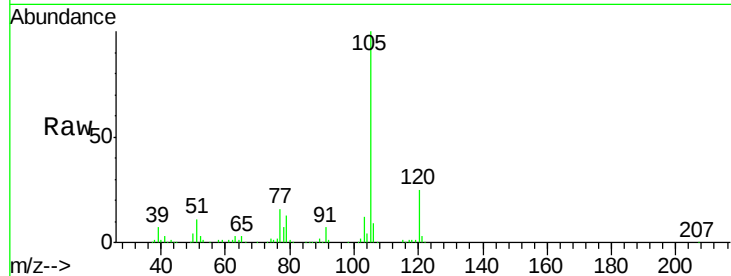
120 25.7 12.6 37.8

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#74

N-ethyl acetate

Concen: 20.485 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Tgt Ion: 43 Resp: 123013

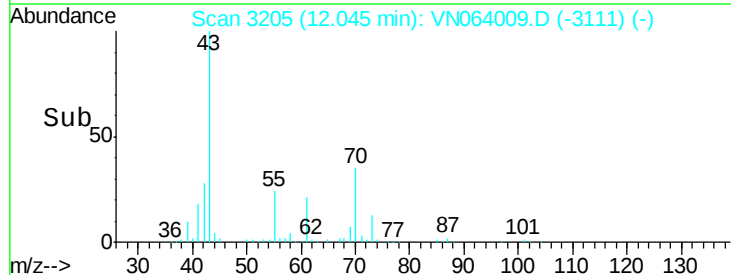
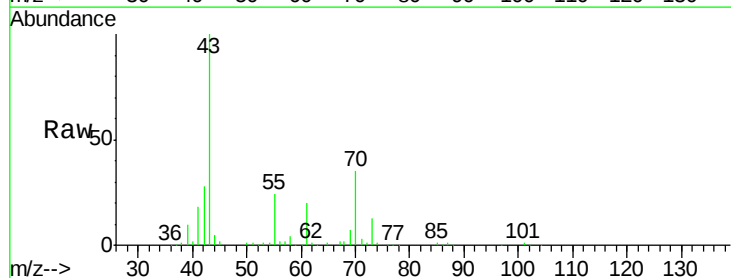
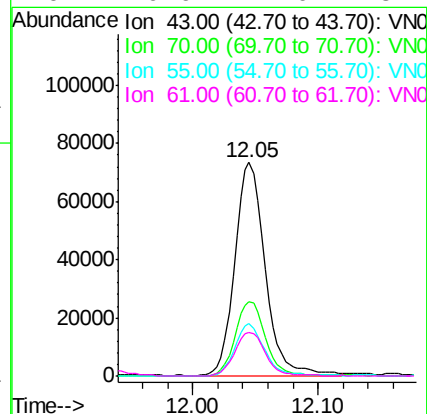
Ion Ratio Lower Upper

43 100

70 35.1 29.8 44.8

55 23.9 17.9 26.9

61 20.9 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.770 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

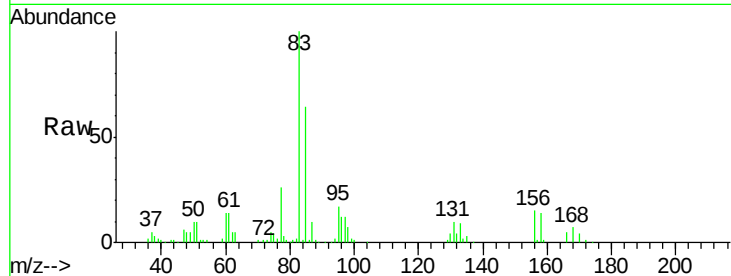
ClientSampleId :

VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.8
85	64.1	31.3	93.8

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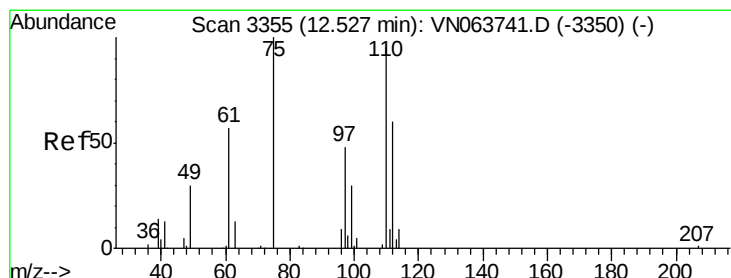
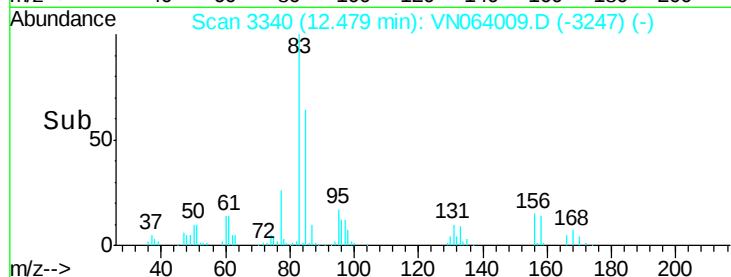
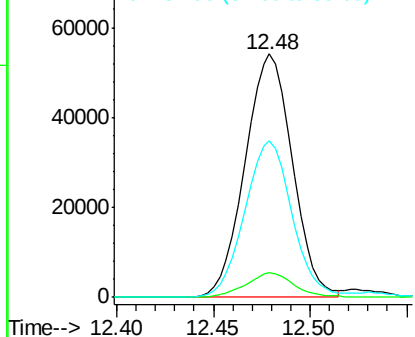
MMDadoda
10/9/2020 4:53:06 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064009.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN064009.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN064009.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 20.578 ug/l m

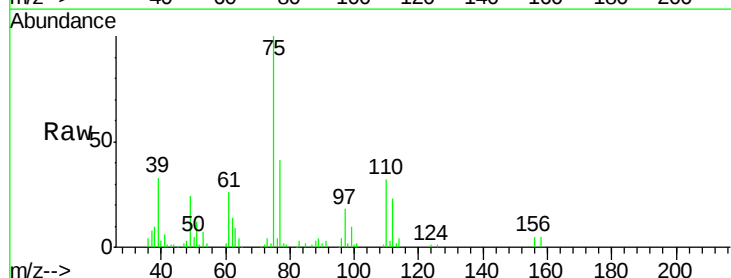
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064009.D

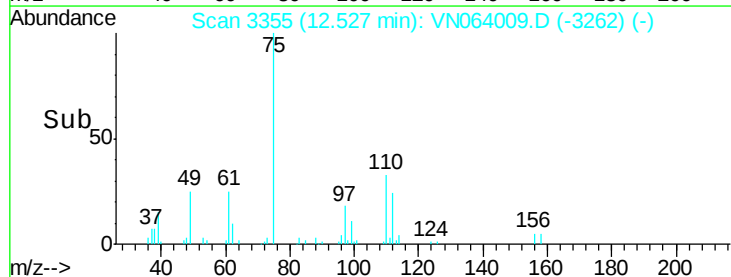
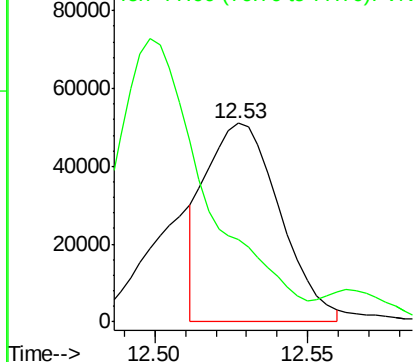
Acq: 9 Oct 2020 00:28

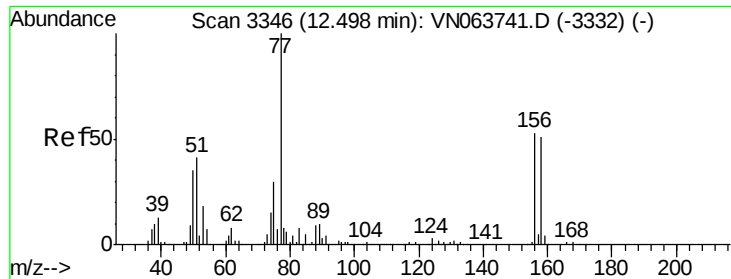
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064009.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064009.D (-3262) (-)





#77

Bromobenzene

Concen: 20.125 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD02

Tot Ion:156 Resp: 68368

Ion Ratio Lower Upper

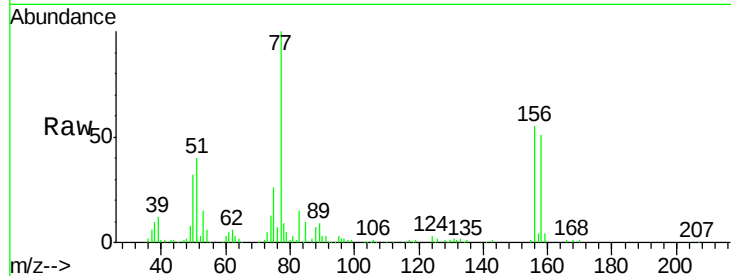
156 100

77 222.7 110.9 332.7

158 96.1 47.7 143.1

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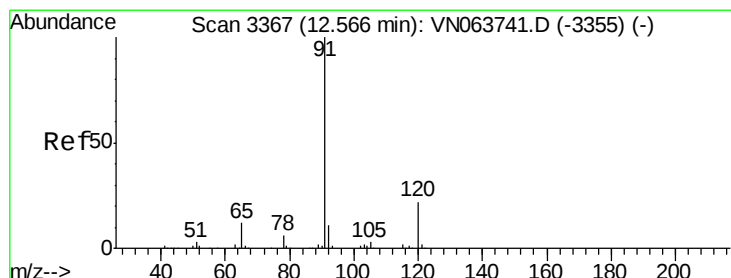
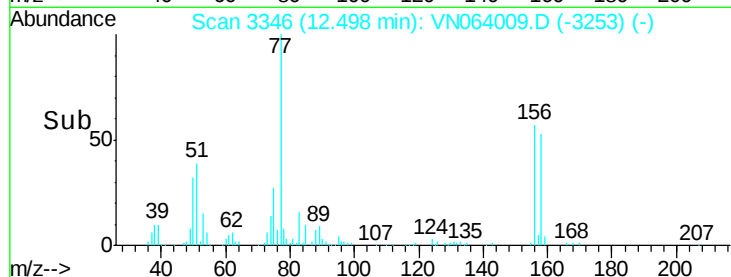
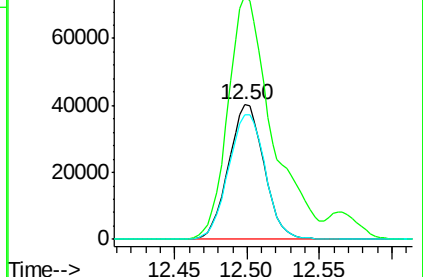
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.729 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064009.D

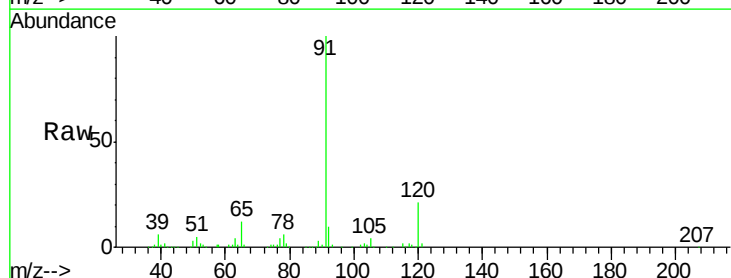
Acq: 9 Oct 2020 00:28

Tgt Ion: 91 Resp: 301773

Ion Ratio Lower Upper

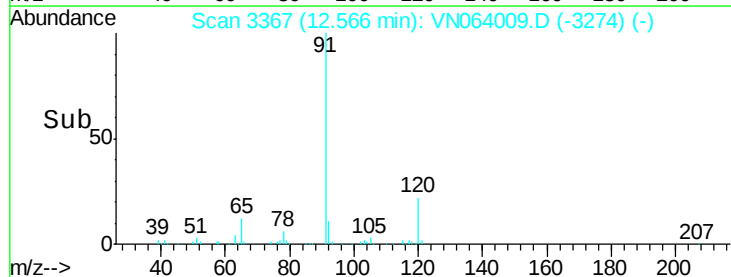
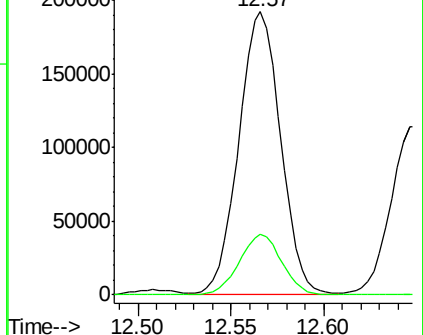
91 100

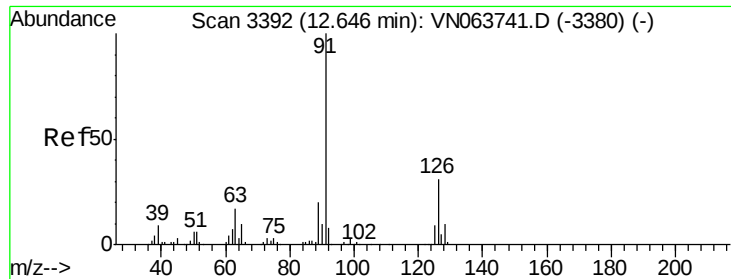
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





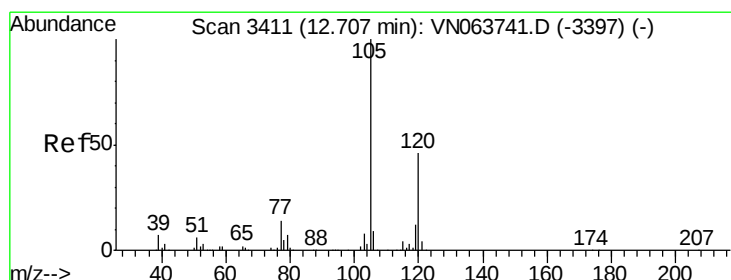
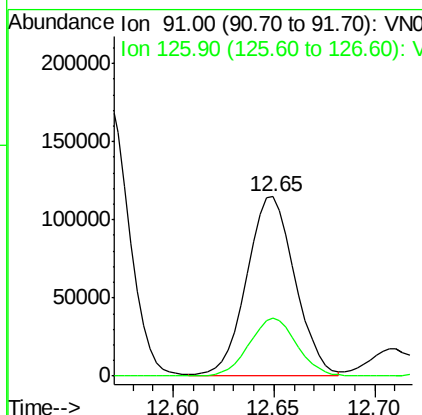
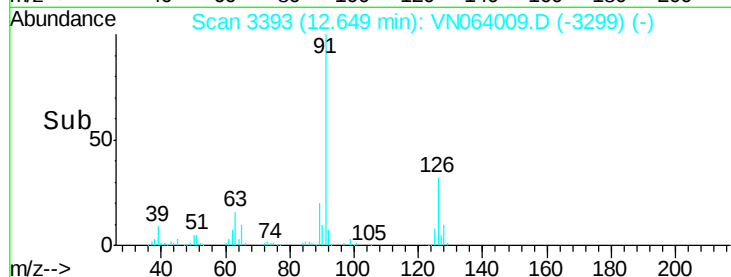
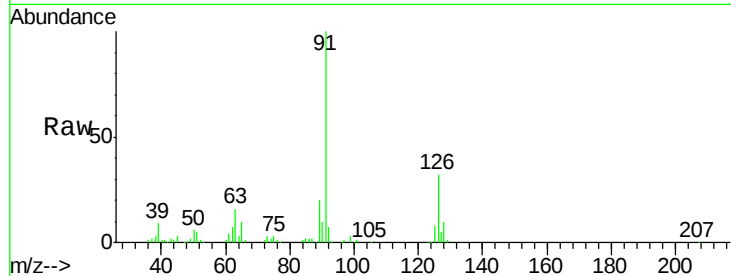
#79
 2-Chlorotoluene
 Concen: 19.354 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Tot Ion: 91 Resp: 191797
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.9 47.7

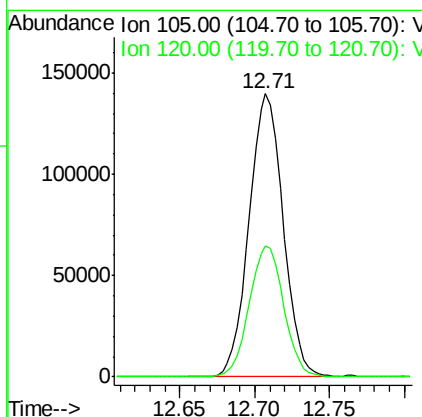
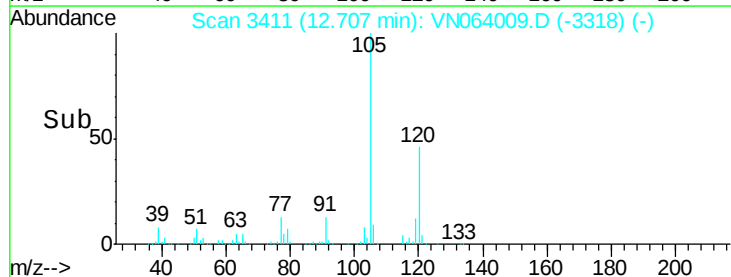
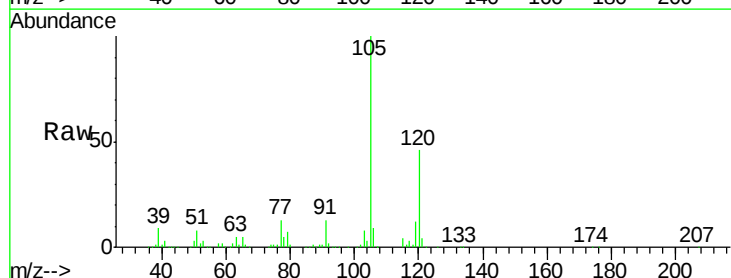
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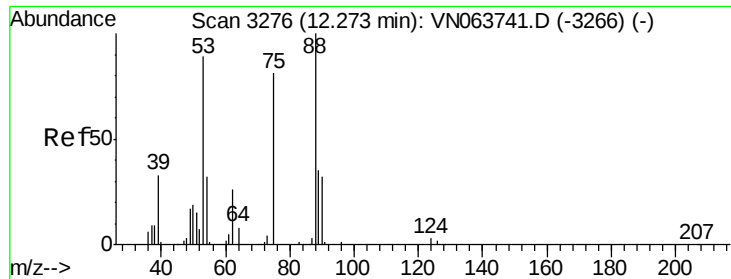
MMDadoda
 10/9/2020 4:53:06 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.109 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion: 105 Resp: 221958
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.954 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Instrument :

MSVOA_N

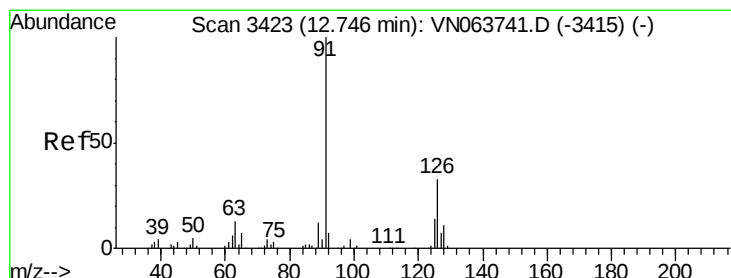
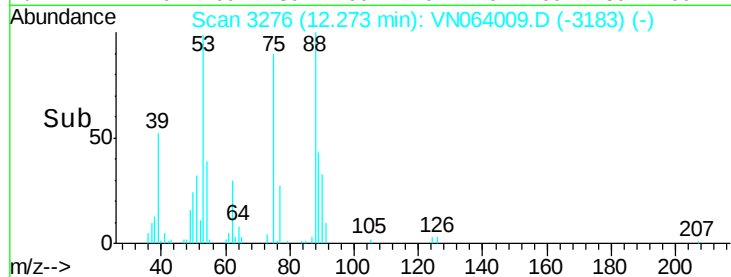
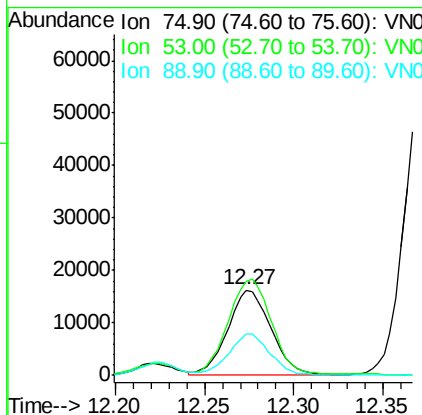
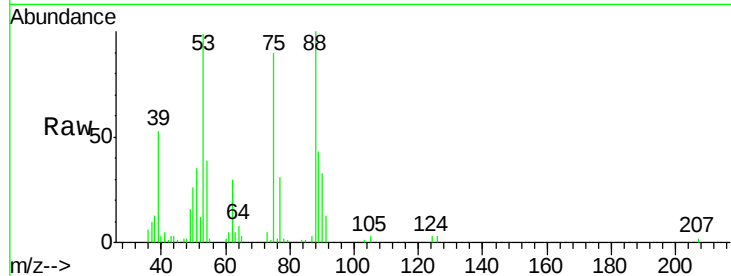
ClientSampleId :

VN1008WBSD02

Tot Ion:	75	Resp:	27536
Ion	Ratio	Lower	Upper
75	100		
53	111.2	88.2	132.2
89	46.1	36.0	54.0

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#82

4-Chlorotoluene

Concen: 19.133 ug/l

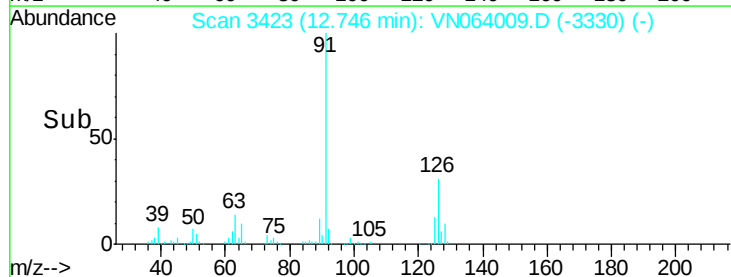
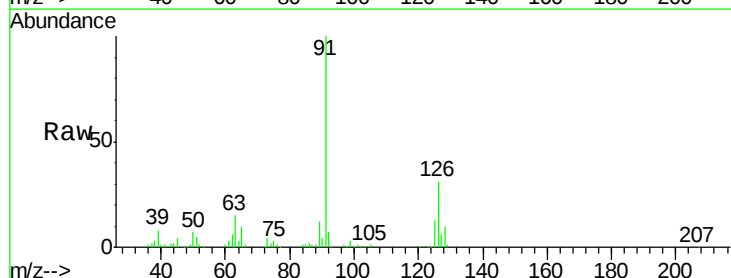
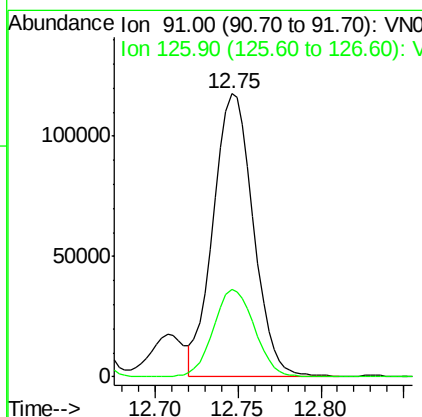
RT: 12.75 min Scan# 3423

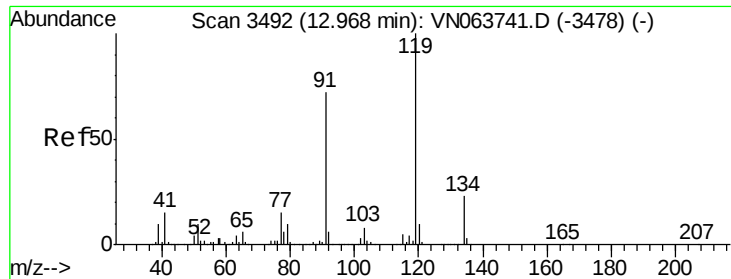
Delta R.T. 0.00 min

Lab File: VN064009.D

Acq: 9 Oct 2020 00:28

Tgt Ion:	91	Resp:	196831
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.4	46.2





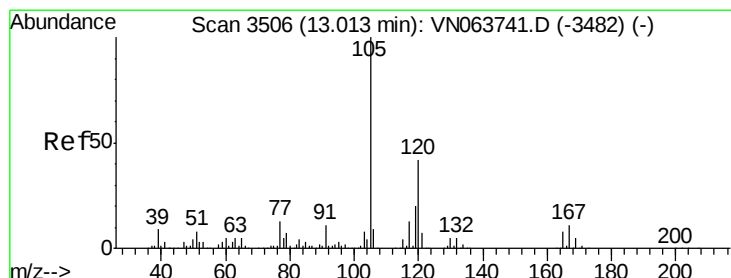
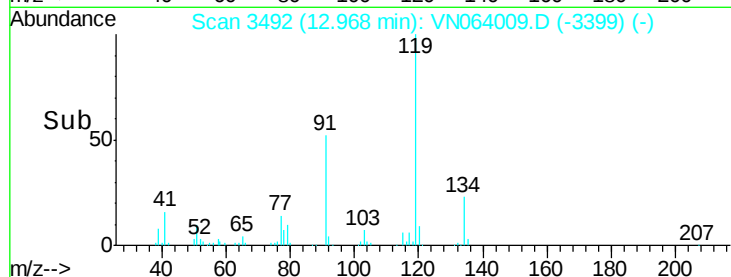
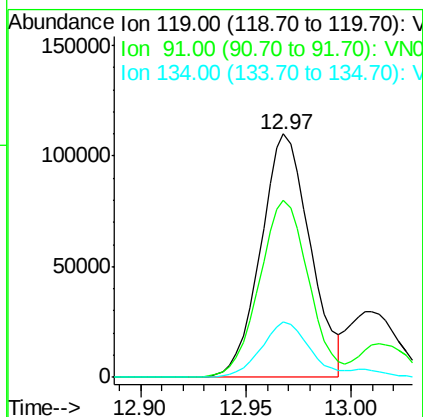
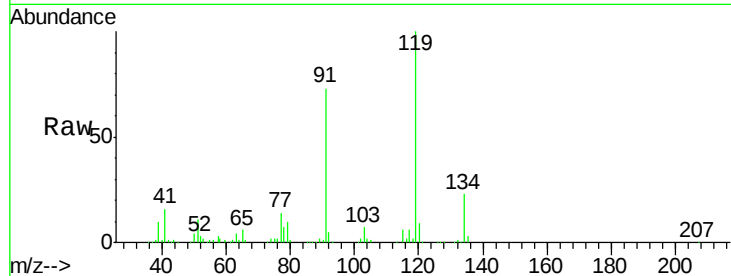
#83
tert-Butylbenzene
Concen: 18.872 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.1	35.5	106.5
134	22.2	11.7	35.1

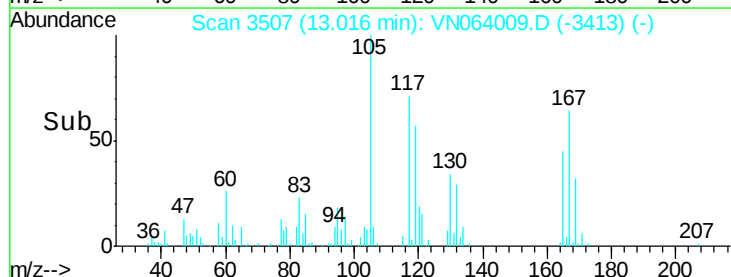
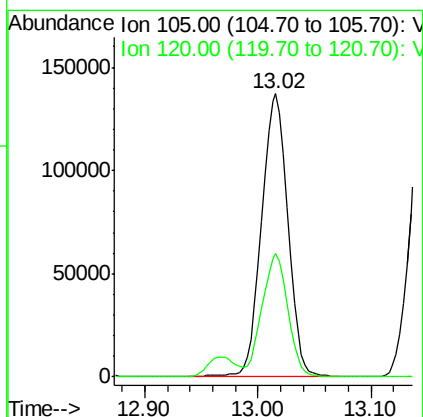
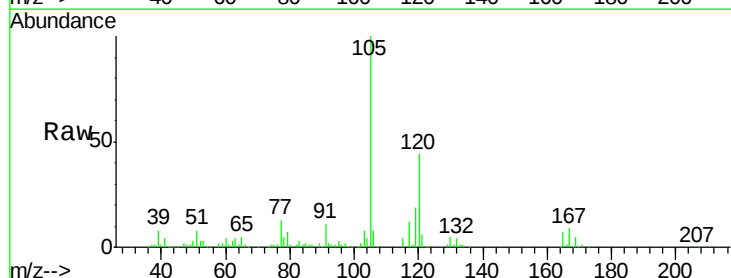
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#84
1,2,4-Trimethylbenzene
Concen: 19.154 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	20.9	62.7





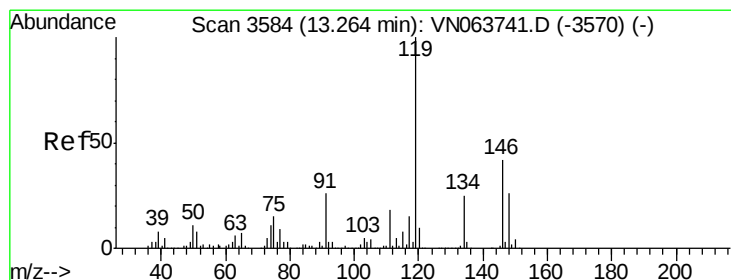
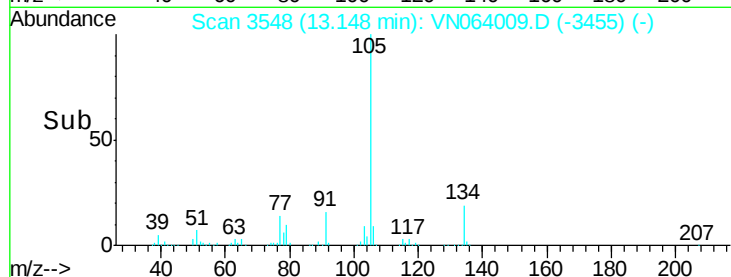
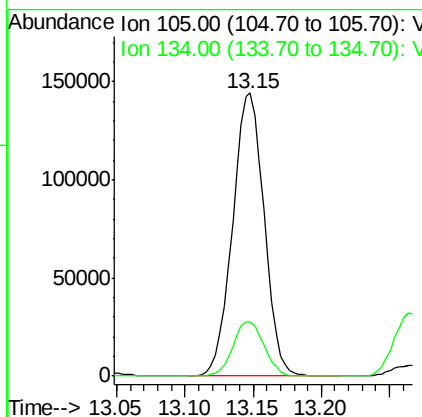
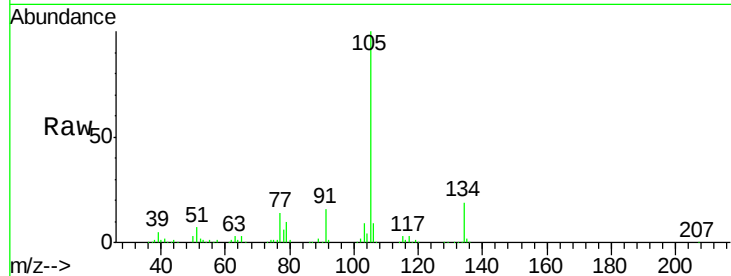
#85
 sec-Butylbenzene
 Concen: 18.434 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	230039		
134	19.2	9.5	28.5	

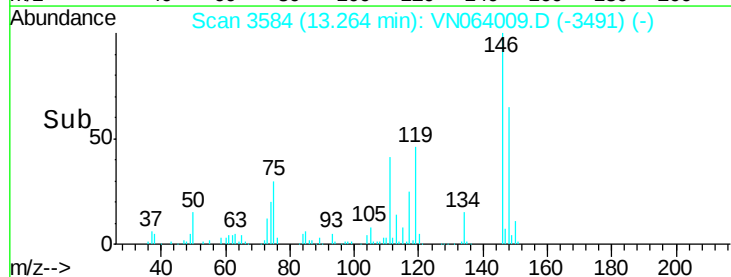
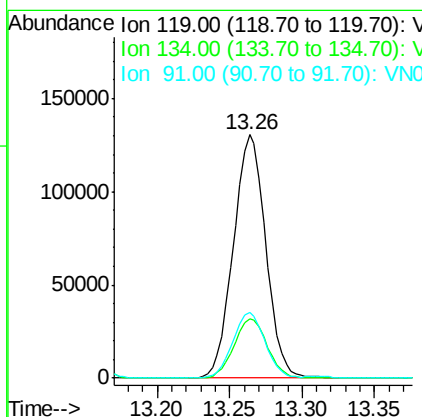
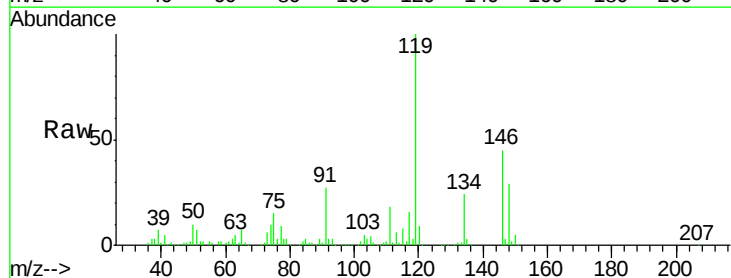
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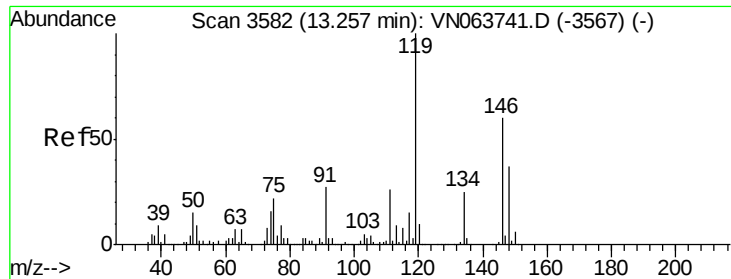
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#86
 p-Isopropyltoluene
 Concen: 18.243 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	201394		
134	25.3	12.6	37.8	
91	27.2	13.4	40.2	





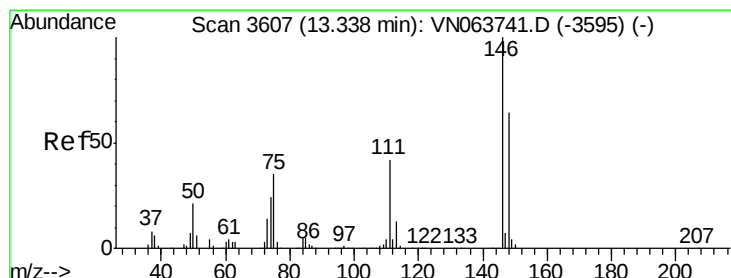
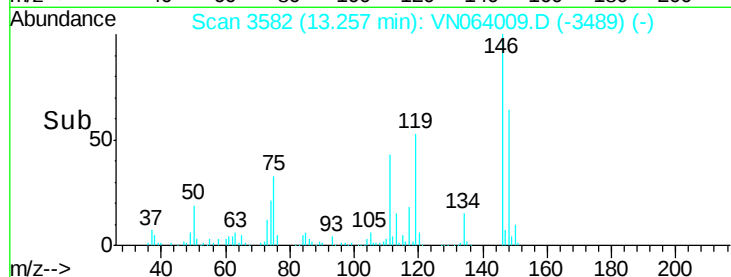
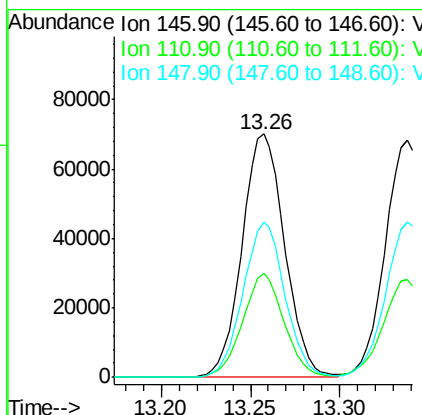
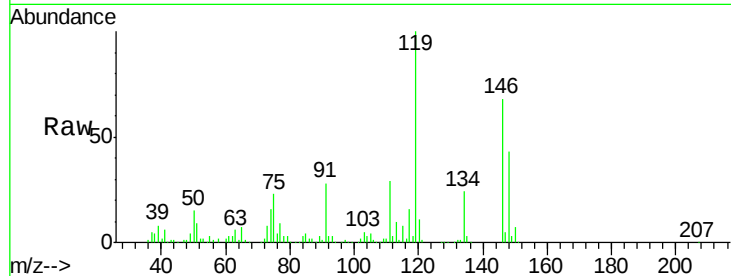
#87
 1,3-Dichlorobenzene
 Concen: 19.042 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.5	64.5
148	62.7	31.1	93.3

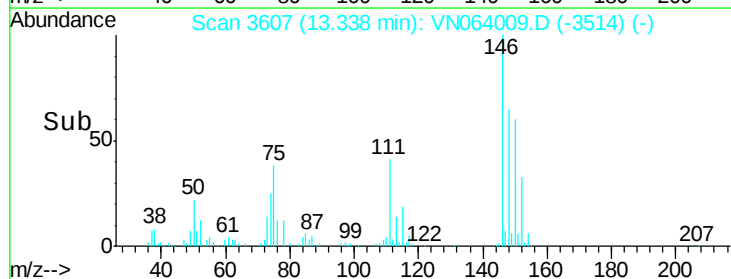
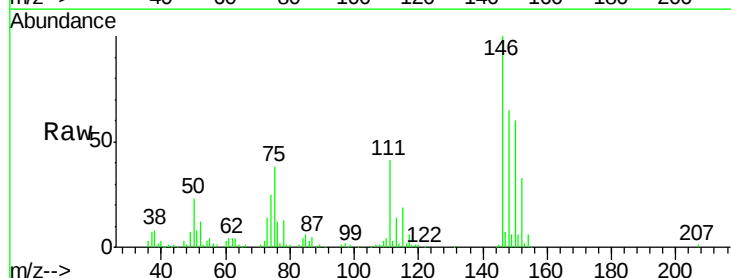
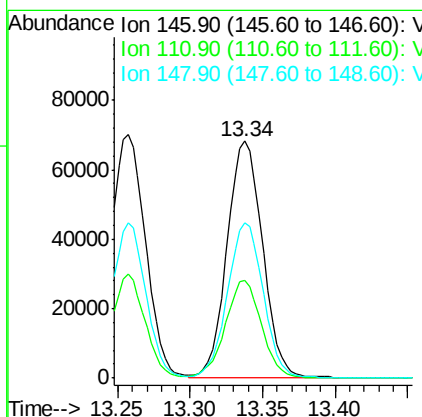
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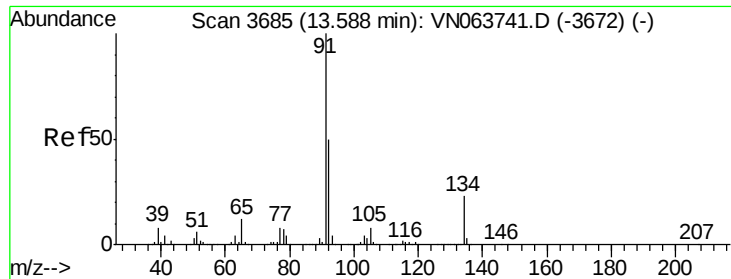
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 10/9/2020 4:53:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.088 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.7
148	65.8	32.0	96.0





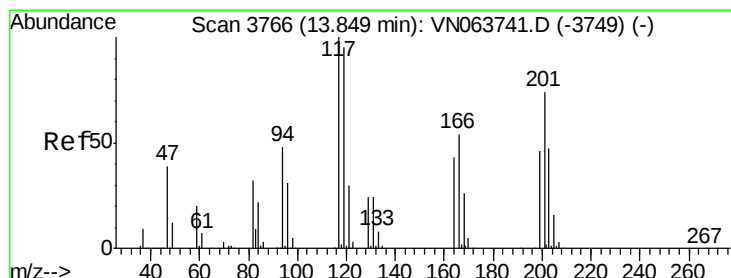
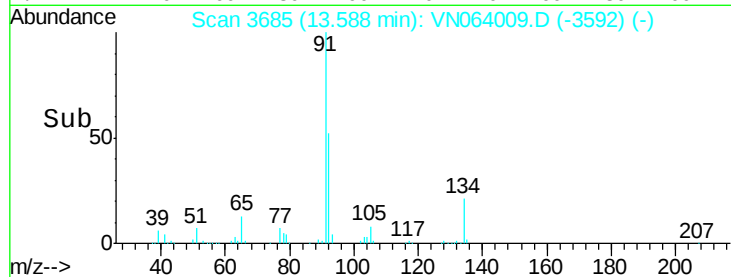
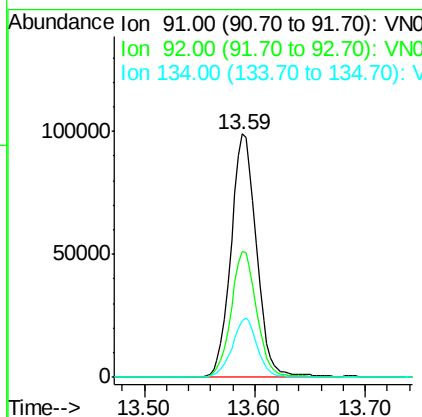
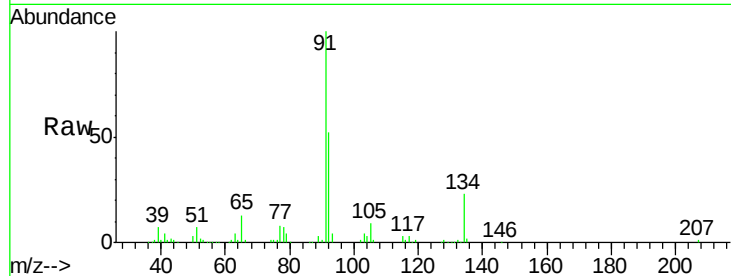
#89
n-Butylbenzene
Concen: 15.681 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.4	76.4
134	23.7	11.7	35.1

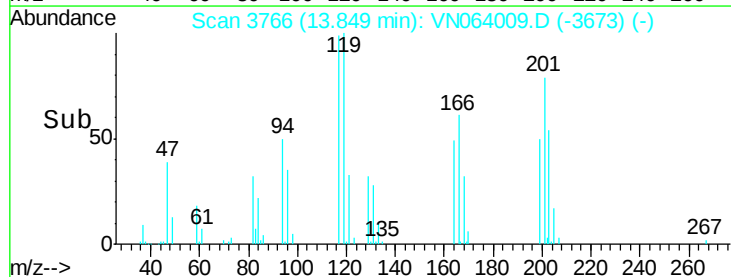
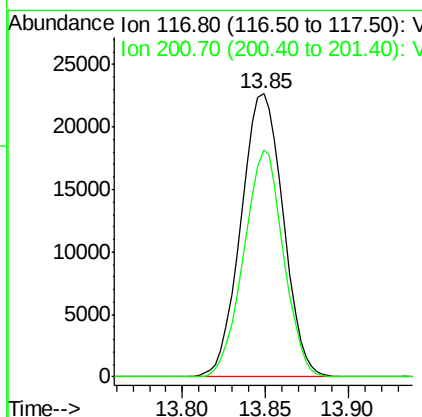
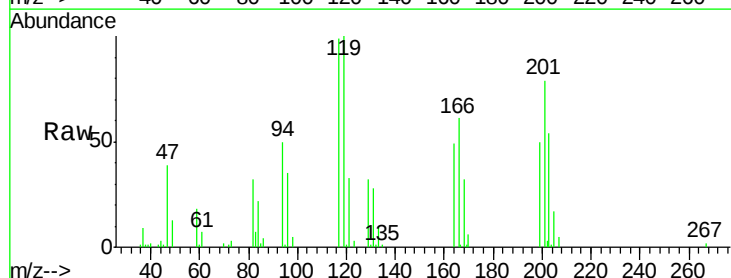
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10/9/2020 4:53:06 PM



#90
Hexachloroethane
Concen: 18.774 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	36.0	108.0





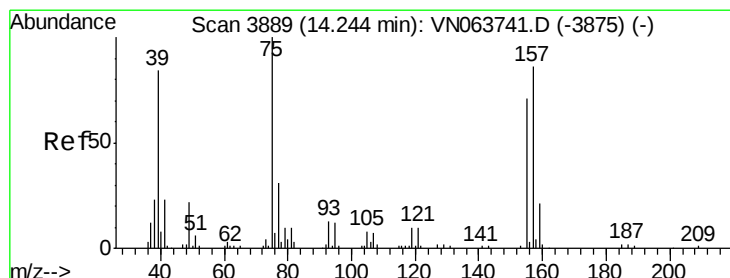
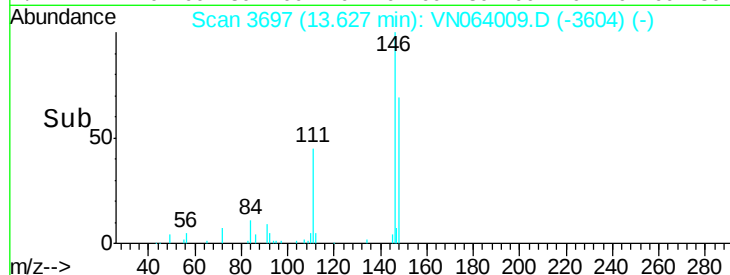
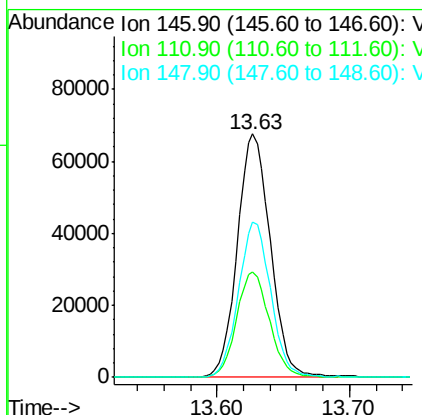
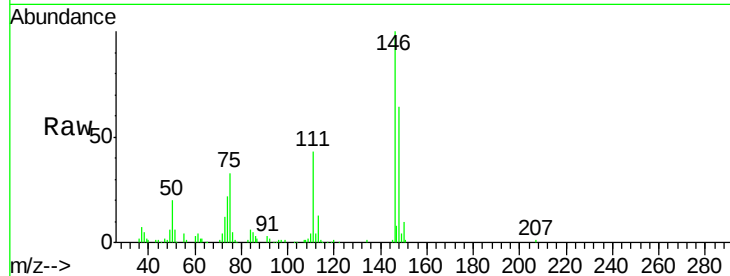
#91
 1,2-Dichlorobenzene
 Concen: 19.261 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.2	66.6
148	62.3	32.5	97.4

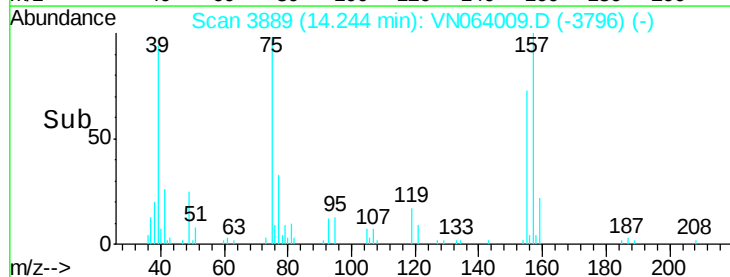
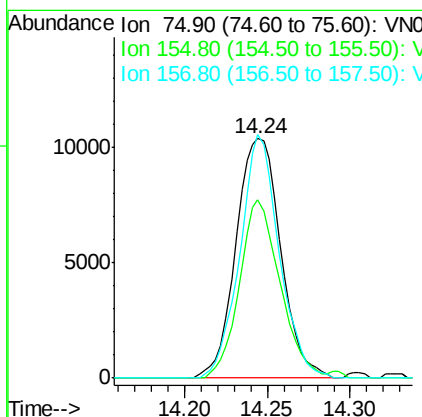
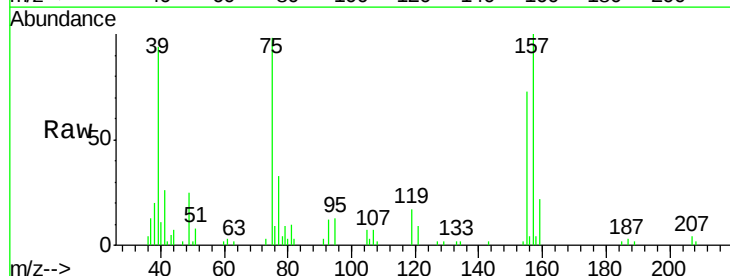
Manual Integrations
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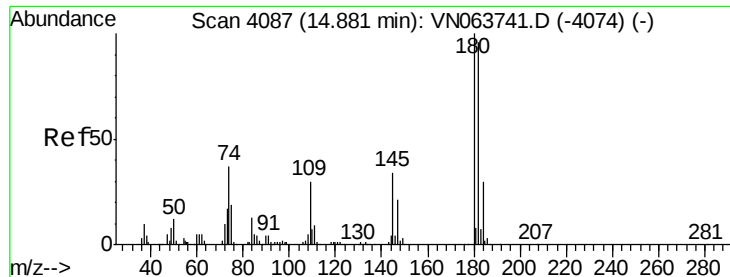
MMDadoda
 10/9/2020 4:53:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.624 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.6	34.8	104.5
157	89.2	43.7	131.1





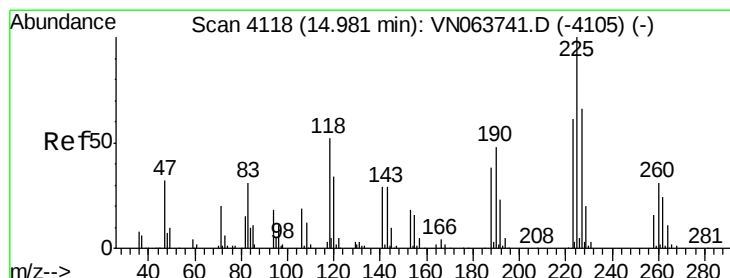
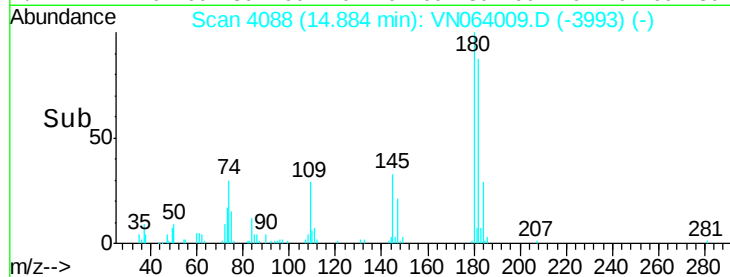
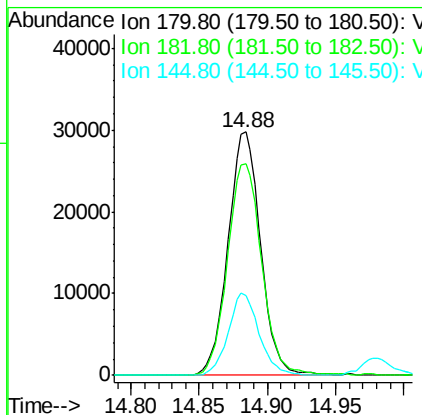
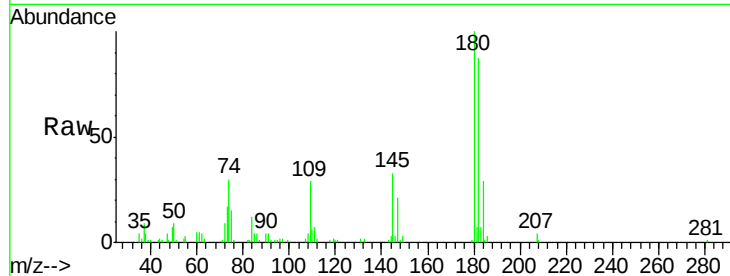
#93
 1,2,4-Trichlorobenzene
 Concen: 16.099 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49253		
182	91.7	48.2	144.6	
145	31.9	17.1	51.2	

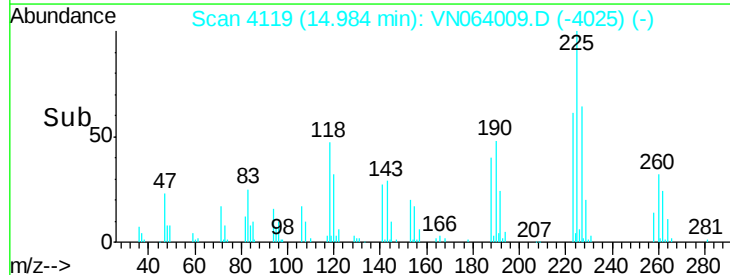
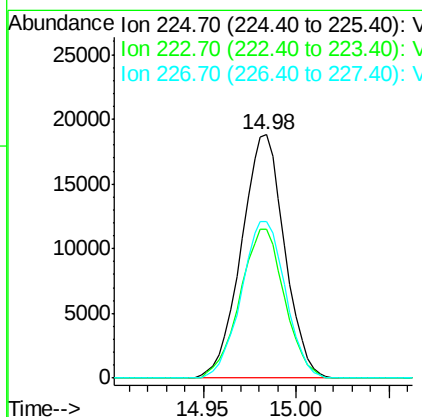
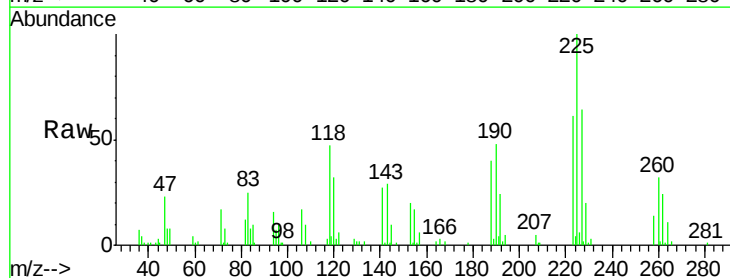
Manual Integrations
 APPROVED

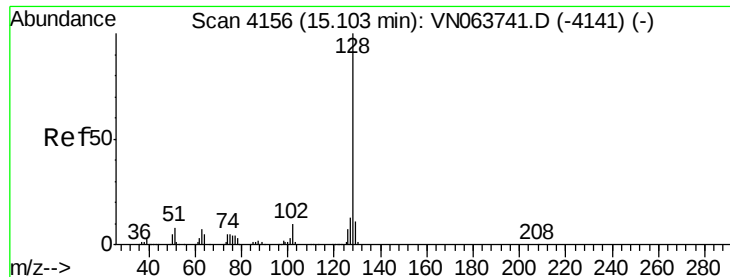
MMDadoda
 10/9/2020 4:53:06 PM



#94
 Hexachlorobutadiene
 Concen: 18.517 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064009.D
 Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30494		
223	63.0	30.3	91.0	
227	65.6	31.9	95.5	





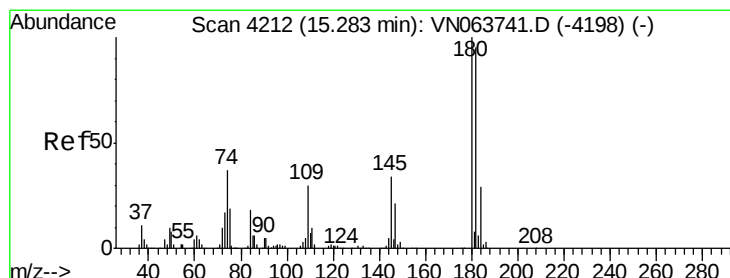
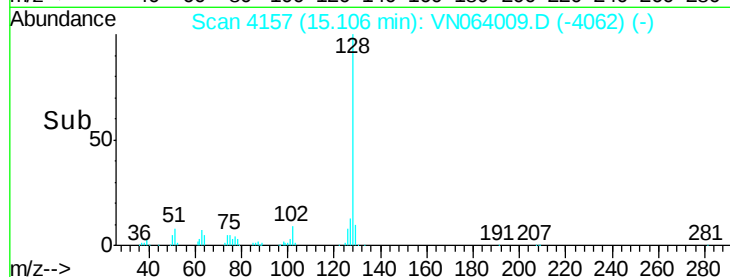
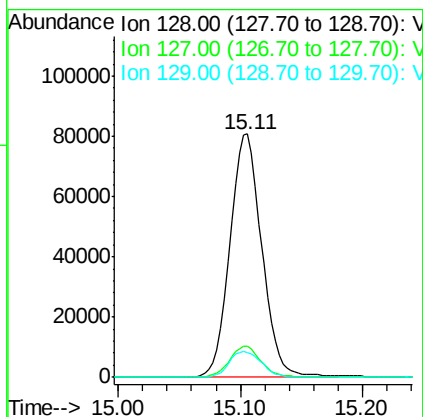
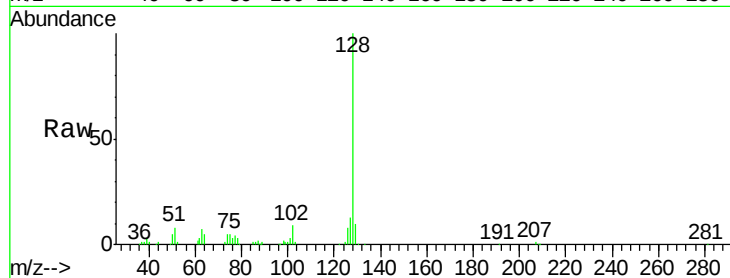
#95
Naphthalene
Concen: 15.748 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 16.287 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN064009.D
Acq: 9 Oct 2020 00:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.6
145	35.1	17.2	51.5

