

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN065008.D
 Acq On : 9 Dec 2020 7:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:55:57 AM

Quant Time: Dec 09 08:41:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	188151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	304299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	106599	48.73	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.46%
35) Dibromofluoromethane	7.55	113	93410	51.30	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.60%
50) Toluene-d8	10.06	98	356895	47.97	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.94%
62) 4-Bromofluorobenzene	12.37	95	126615	47.55	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66494	40.777	ug/l	97
3) Chloromethane	2.04	50	87495	41.290	ug/l	99
4) Vinyl Chloride	2.17	62	95989	43.448	ug/l	97
5) Bromomethane	2.52	94	62758	43.298	ug/l	94
6) Chloroethane	2.67	64	64695	47.346	ug/l	99
7) Trichlorofluoromethane	2.99	101	145049	47.496	ug/l	99
8) Diethyl Ether	3.38	74	59843	49.644	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	84920	46.354	ug/l	98
10) Methyl Iodide	3.91	142	108211	45.539	ug/l	99
11) Tert butyl alcohol	4.75	59	76445	224.095	ug/l	100
12) 1,1-Dichloroethene	3.69	96	84481	46.303	ug/l	98
13) Acrolein	3.57	56	56408	270.716	ug/l	100
14) Allyl chloride	4.27	41	134816	44.801	ug/l	98
15) Acrylonitrile	4.93	53	238593	253.183	ug/l	99
16) Acetone	3.78	43	183840	255.670	ug/l	97
17) Carbon Disulfide	4.01	76	196614	41.737	ug/l	99
18) Methyl Acetate	4.28	43	113600	52.547	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	300215	51.305	ug/l	100
20) Methylene Chloride	4.50	84	104565	46.407	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	93128	45.964	ug/l	99
22) Diisopropyl ether	5.90	45	310067	51.479	ug/l	97
23) Vinyl Acetate	5.85	43	1221392	253.579	ug/l	100
24) 1,1-Dichloroethane	5.79	63	181805	50.506	ug/l	98
25) 2-Butanone	6.79	43	296741	254.578	ug/l	98
26) 2,2-Dichloropropane	6.78	77	119647	38.324	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	111794	49.035	ug/l	97
28) Bromochloromethane	7.15	49	79350	48.186	ug/l	98
29) Tetrahydrofuran	7.17	42	198349	246.513	ug/l	99
30) Chloroform	7.33	83	187294	50.455	ug/l	97
31) Cyclohexane	7.61	56	133616	43.827	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	159605	50.061	ug/l	99
36) 1,1-Dichloropropene	7.75	75	132064	46.822	ug/l	99
37) Ethyl Acetate	6.88	43	124846	45.951	ug/l	99
38) Carbon Tetrachloride	7.73	117	141415	48.186	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	127860	42.110	ug/l	96
40) Benzene	8.00	78	409455	47.373	ug/l	96
41) Methacrylonitrile	7.13	41	62537	49.884	ug/l	89
42) 1,2-Dichloroethane	8.08	62	137438	47.137	ug/l	99
43) Isopropyl Acetate	8.13	43	206017	47.123	ug/l #	91
44) Trichloroethene	8.80	130	113719	44.593	ug/l	99
45) 1,2-Dichloropropane	9.08	63	112675	50.340	ug/l	99
46) Dibromomethane	9.17	93	72983	48.807	ug/l	99
47) Bromodichloromethane	9.37	83	150465	50.008	ug/l	98
48) Methyl methacrylate	9.17	41	102268	48.954	ug/l	99
49) 1,4-Dioxane	9.17	88	35381	896.096	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	636472	242.497	ug/l	99
52) Toluene	10.12	92	264322	49.659	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	156078	46.574	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	171610	47.775	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	108428	49.538	ug/l	98
56) Ethyl methacrylate	10.40	69	150405	49.796	ug/l	99
57) 1,3-Dichloropropane	10.68	76	179499	49.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	405497	244.061	ug/l	99
59) 2-Hexanone	10.72	43	458635	242.802	ug/l	99
60) Dibromochloromethane	10.87	129	124542	51.188	ug/l	98
61) 1,2-Dibromoethane	10.98	107	109248	49.128	ug/l	99
64) Tetrachloroethene	10.60	164	118779	45.084	ug/l	99
65) Chlorobenzene	11.41	112	287154	49.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	113724	53.213	ug/l	99
67) Ethyl Benzene	11.48	91	486872	50.116	ug/l	99
68) m/p-Xylenes	11.59	106	381471	103.713	ug/l	98
69) o-Xylene	11.92	106	182971	52.422	ug/l	99
70) Styrene	11.94	104	318432	54.042	ug/l	98
71) Bromoform	12.10	173	86972	50.952	ug/l #	99
73) Isopropylbenzene	12.22	105	478369	50.785	ug/l	99
74) N-amyl acetate	12.04	43	178205	48.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	142571	51.639	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	140383m	48.135	ug/l	
77) Bromobenzene	12.50	156	124788	49.139	ug/l	98
78) n-propylbenzene	12.57	91	529159	49.312	ug/l	99
79) 2-Chlorotoluene	12.65	91	322416	48.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	409946	52.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	48280	45.372	ug/l	95
82) 4-Chlorotoluene	12.75	91	336799	48.441	ug/l	99
83) tert-Butylbenzene	12.97	119	335899	51.184	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	410790	51.893	ug/l	100
85) sec-Butylbenzene	13.14	105	428898	49.223	ug/l	99
86) p-Isopropyltoluene	13.26	119	398856	50.278	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	221436	49.079	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	218492	45.791	ug/l	99
89) n-Butylbenzene	13.59	91	312077	44.796	ug/l	99
90) Hexachloroethane	13.85	117	71816	52.112	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	222047	50.122	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29235	47.060	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	112527	41.060	ug/l	100
94) Hexachlorobutadiene	14.98	225	58143	47.135	ug/l	98
95) Naphthalene	15.10	128	345062	42.028	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	105945	40.940	ug/l	98

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

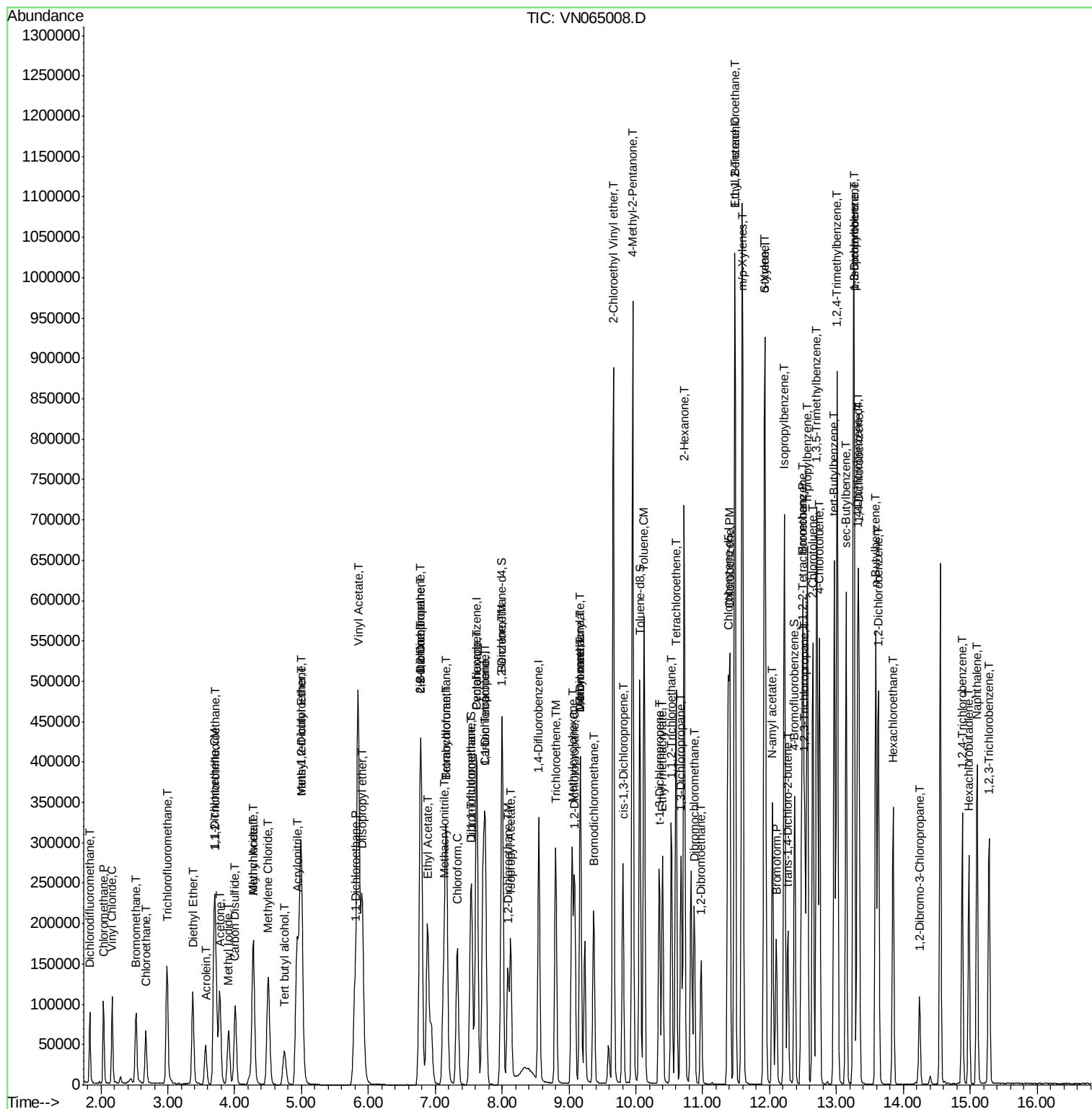
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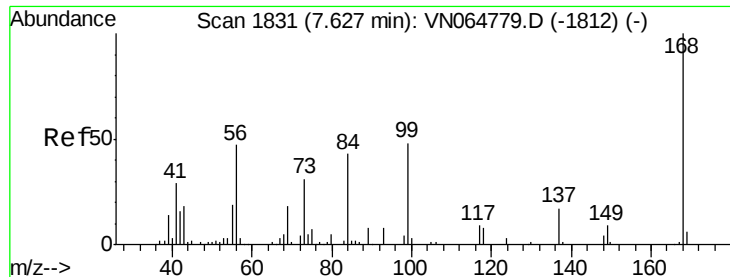
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 188151

Ion Ratio Lower Upper

168 100

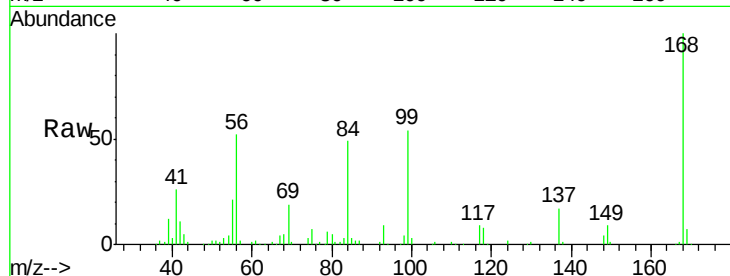
99 54.1 43.0 64.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

40000

20000

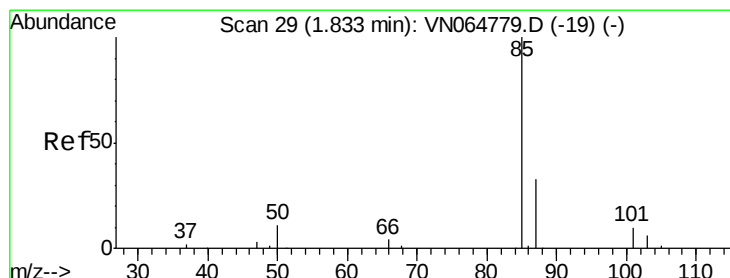
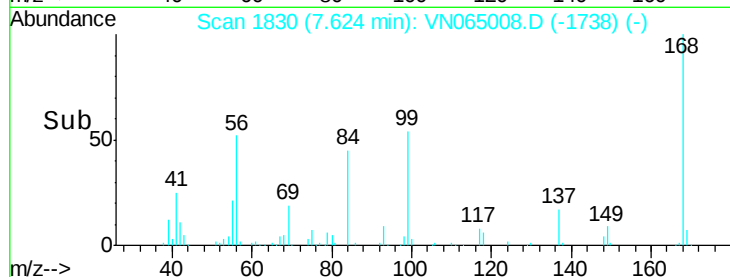
0

Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 40.777 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065008.D

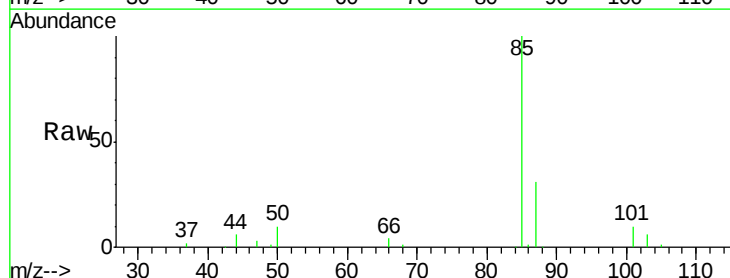
Acq: 9 Dec 2020 7:52

Tgt Ion: 85 Resp: 66494

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

30000

20000

10000

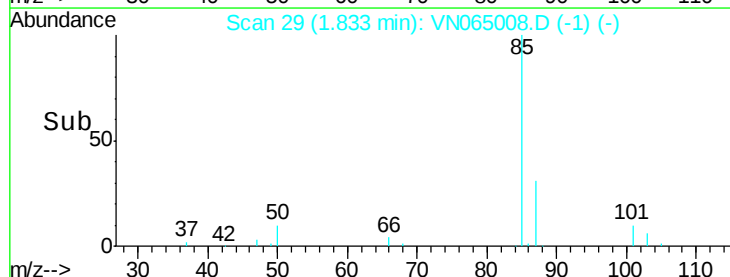
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Time-->

1.80

1.85

1.90





#3

Chloromethane

Concen: 41.290 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 87495

Ion Ratio Lower Upper

50 100

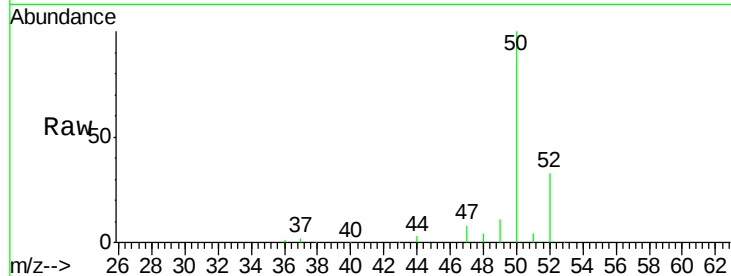
52 32.8 26.6 39.8

Manual Integrations

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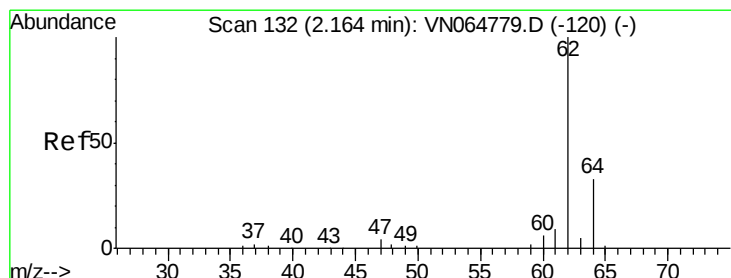
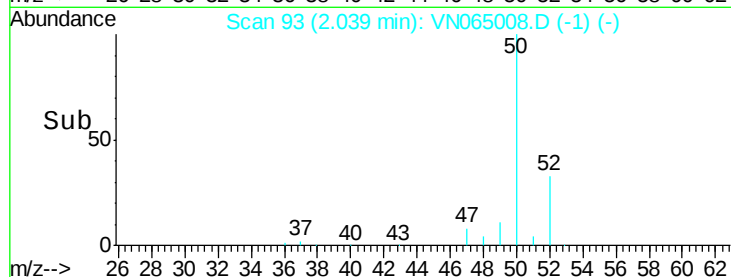
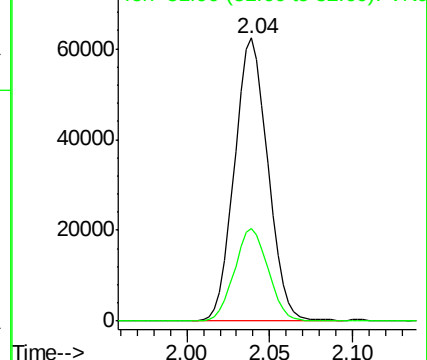
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.448 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065008.D

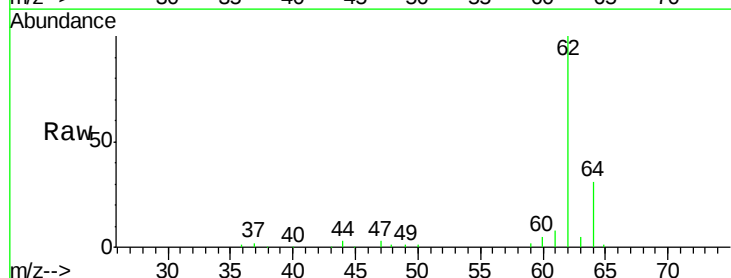
Acq: 9 Dec 2020 7:52

Tgt Ion: 62 Resp: 95989

Ion Ratio Lower Upper

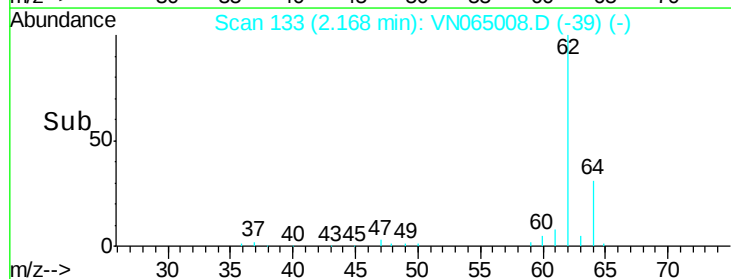
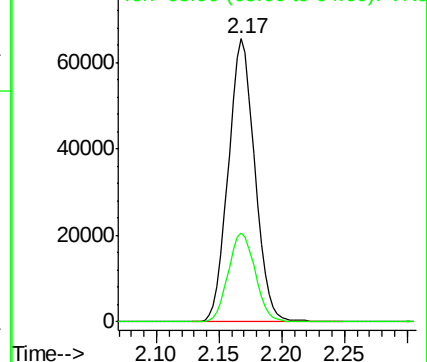
62 100

64 31.4 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.298 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 62758

Ion Ratio Lower Upper

94 100

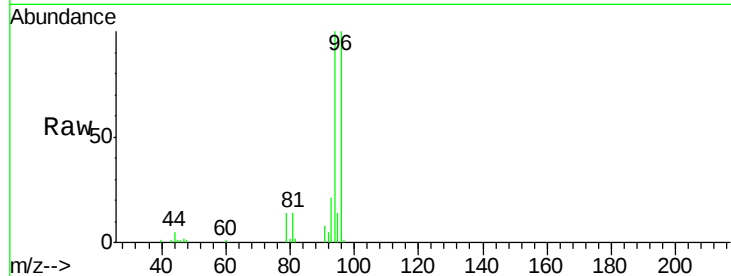
96 99.8 75.4 113.0

Manual Integrations

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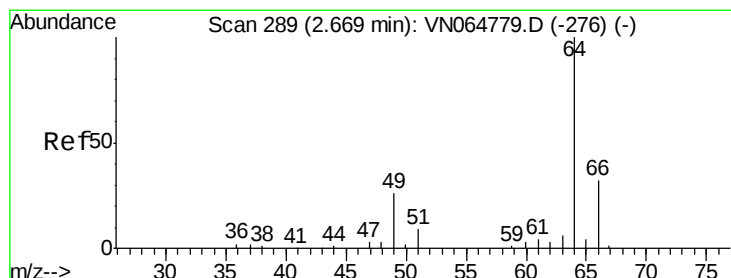
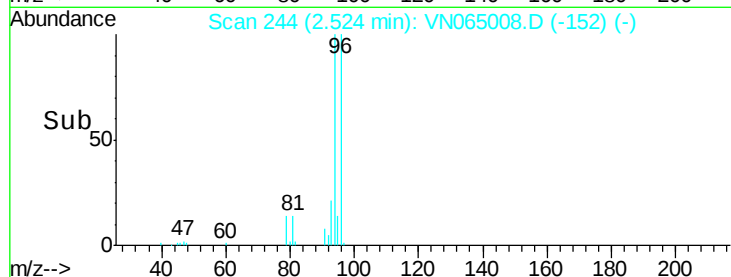
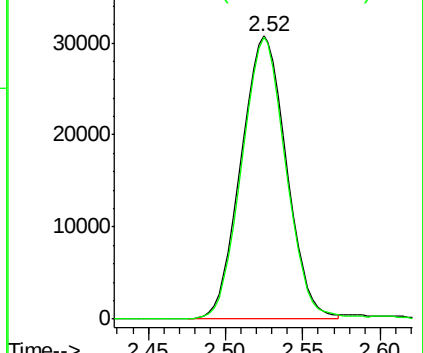
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.346 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065008.D

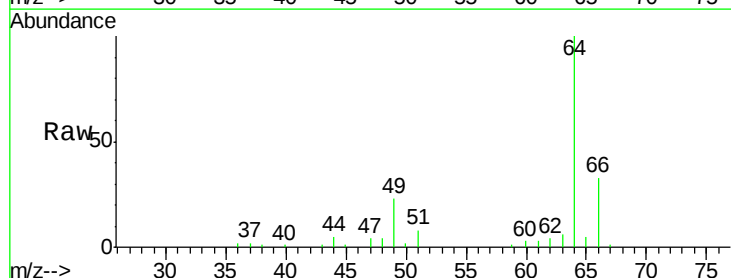
Acq: 9 Dec 2020 7:52

Tgt Ion: 64 Resp: 64695

Ion Ratio Lower Upper

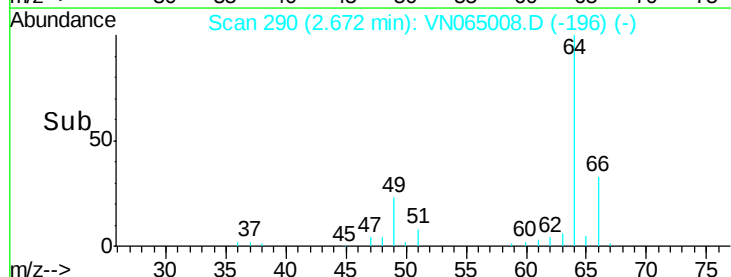
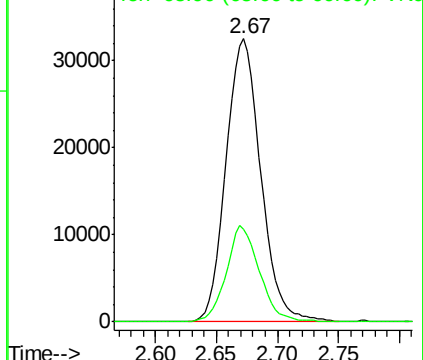
64 100

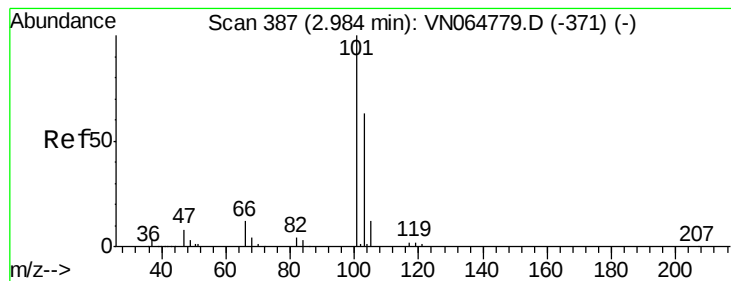
66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

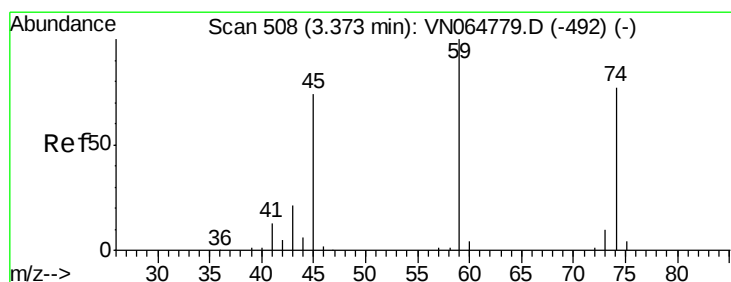
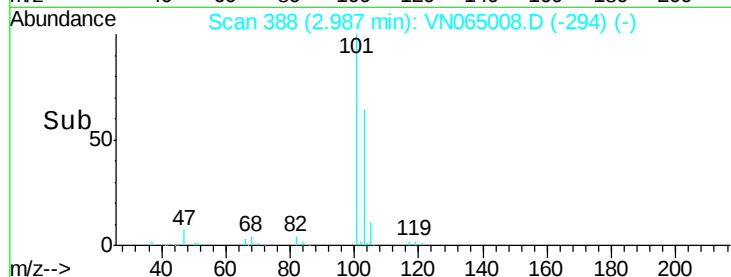
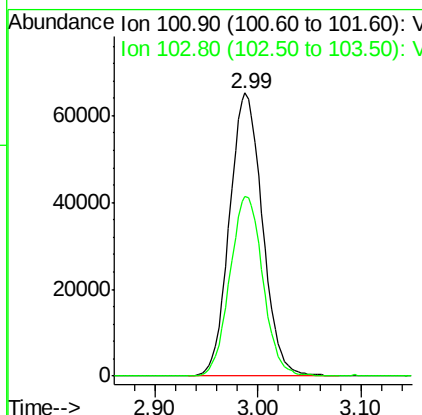
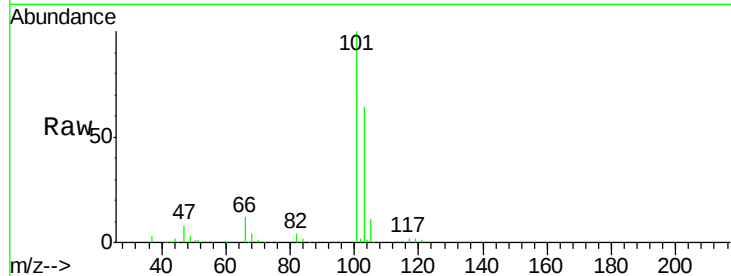
Trichlorofluoromethane
Concen: 47.496 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.5	75.7

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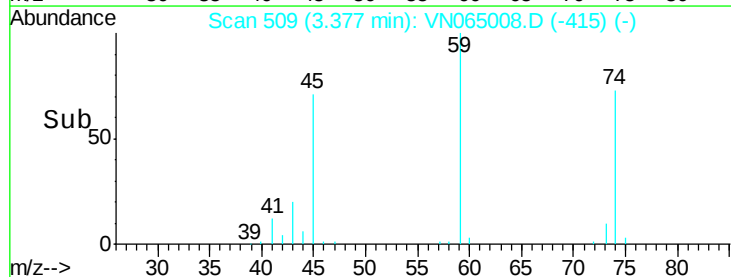
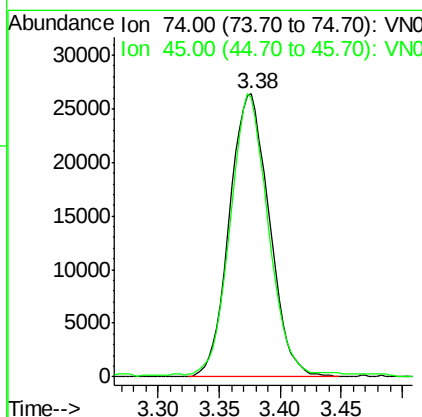
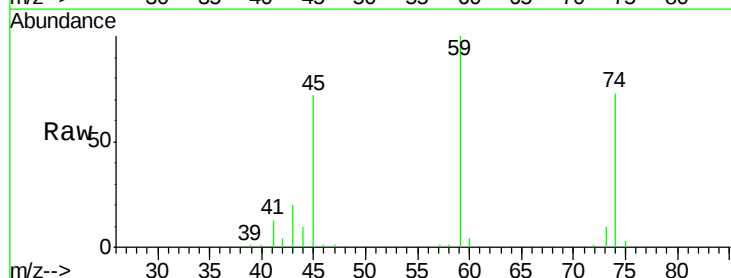
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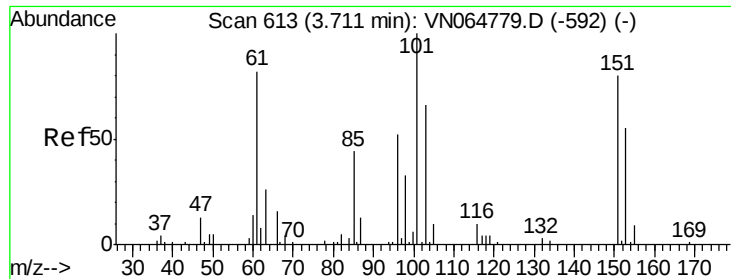


#8

Diethyl Ether
Concen: 49.644 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.354 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN065008.D

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MSVOA_N

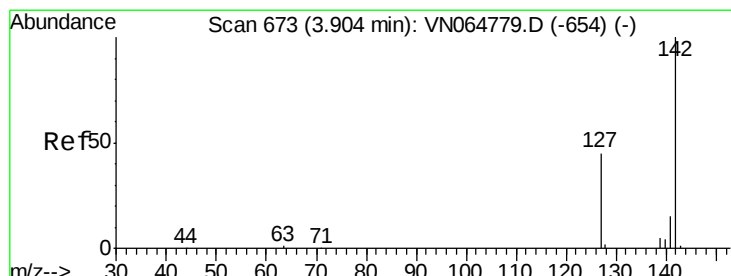
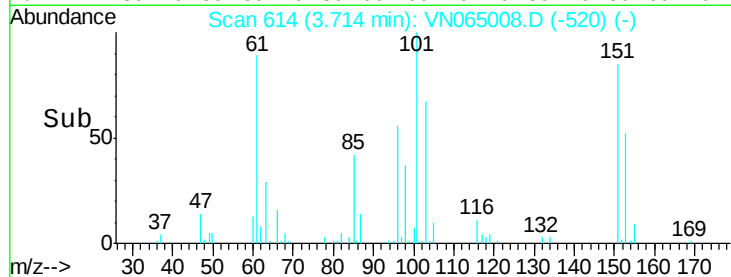
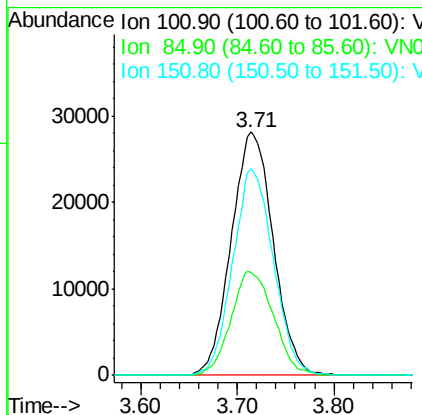
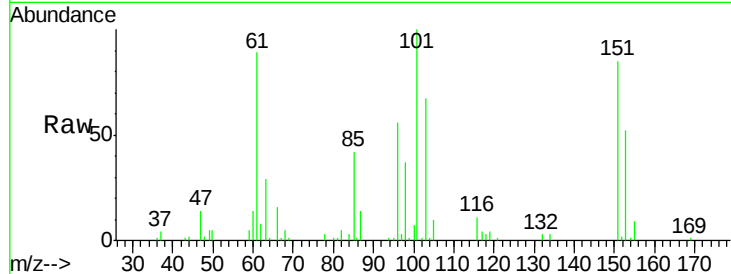
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	84920
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.4	51.6
151	82.1	64.0	96.0

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#10

Methyl Iodide

Concen: 45.539 ug/l

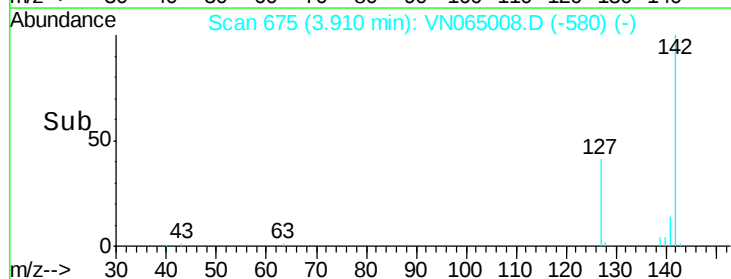
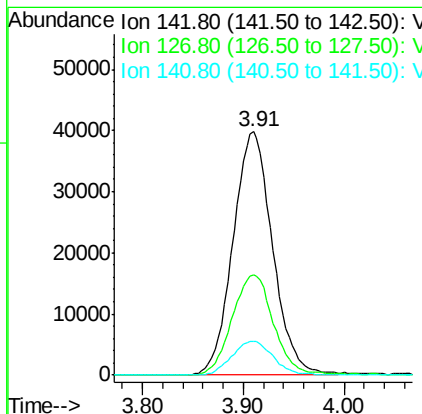
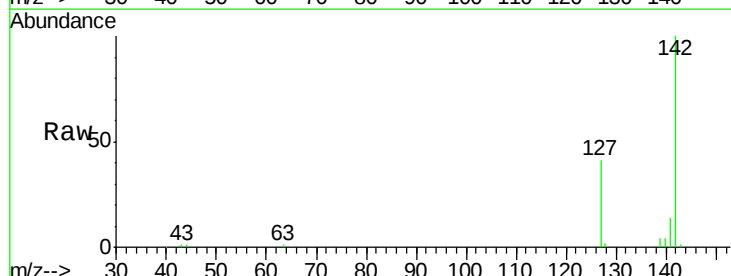
RT: 3.91 min Scan# 675

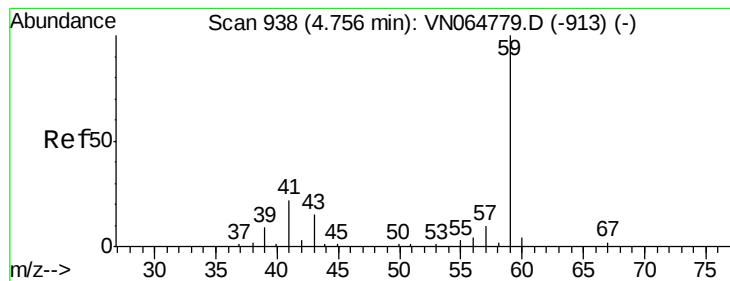
Delta R.T. 0.01 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Tgt Ion:	142	Resp:	108211
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.0	52.6
141	14.5	11.8	17.6





#11

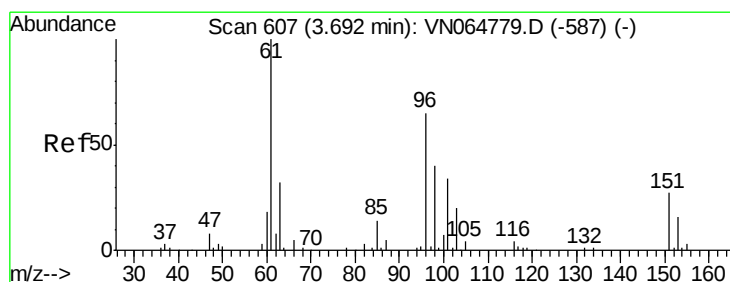
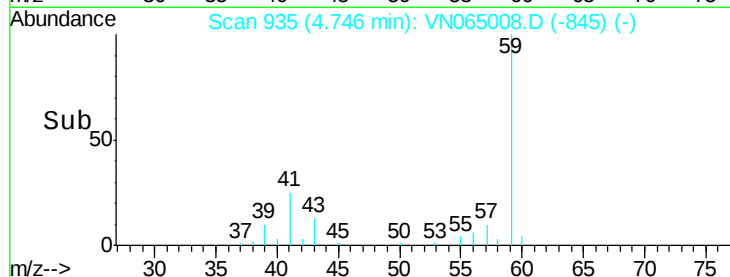
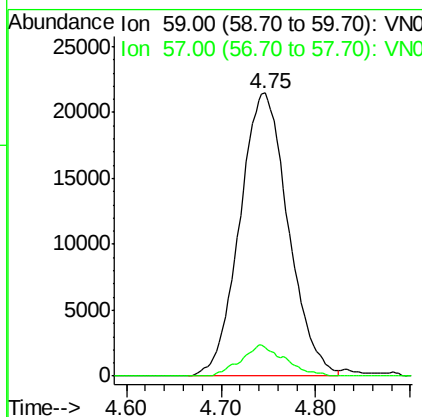
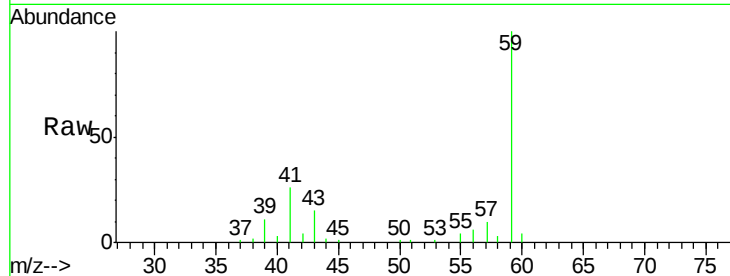
Tert butyl alcohol
 Concen: 224.095 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	76445
Ion Ratio	100	Lower	Upper
57	9.9	7.9	11.9

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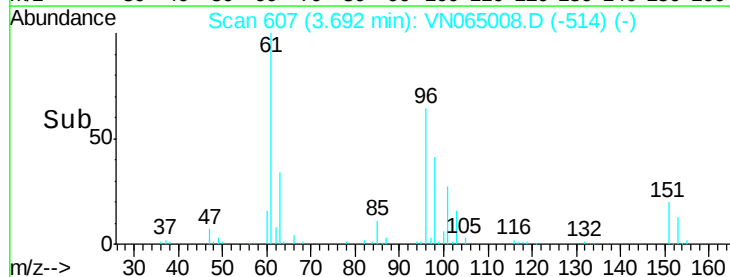
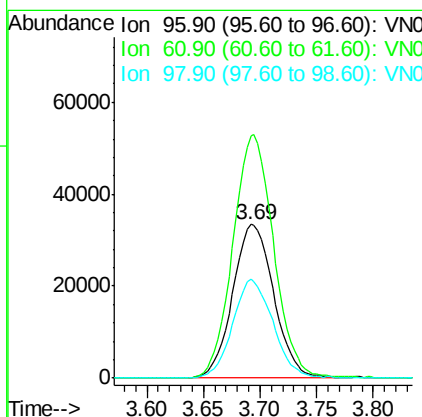
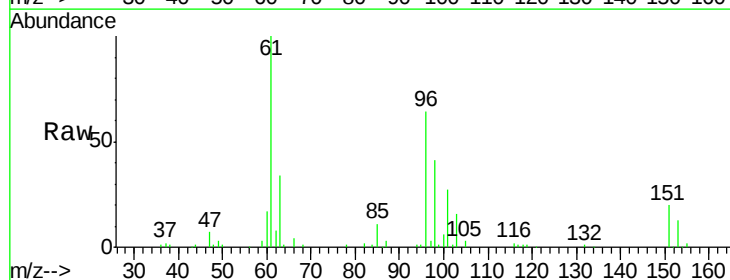
MMDadoda
 12/10/2020 9:55:57 AM

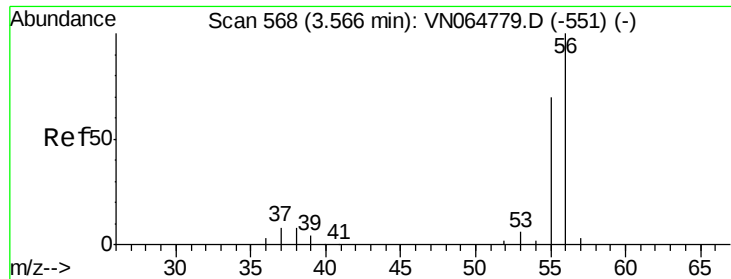


#12

1,1-Dichloroethene
 Concen: 46.303 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion	96	Resp	84481
Ion Ratio	100	Lower	Upper
61	157.4	123.4	185.2
98	64.1	49.8	74.8





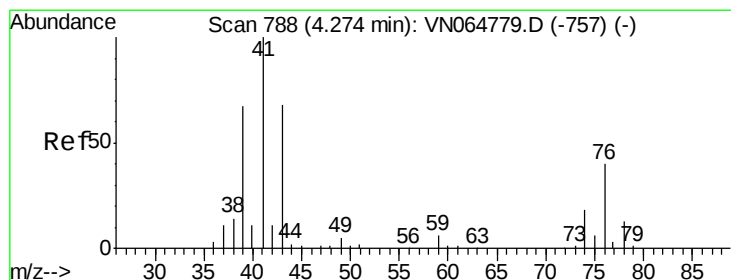
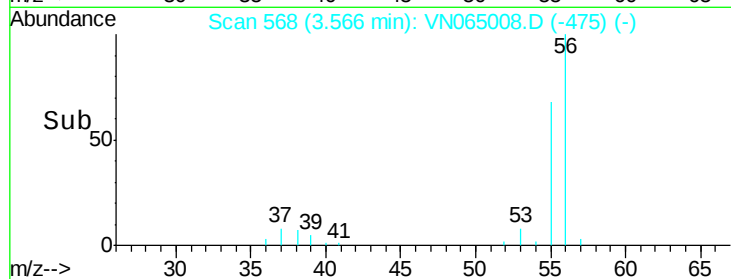
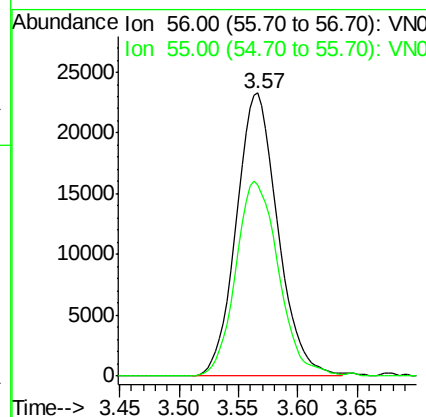
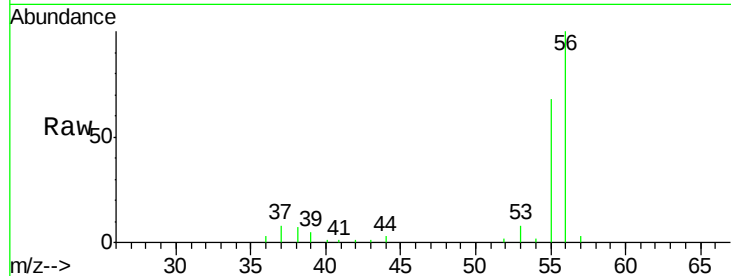
#13
Acrolein
Concen: 270.716 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.9	56.5	84.7

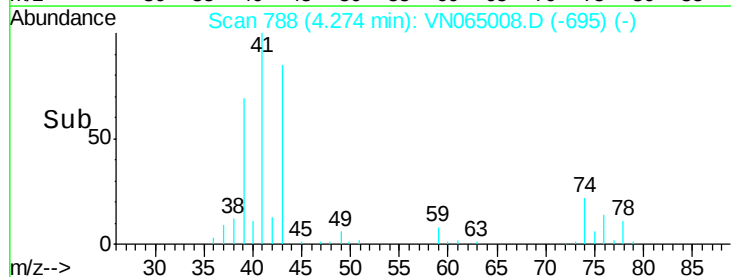
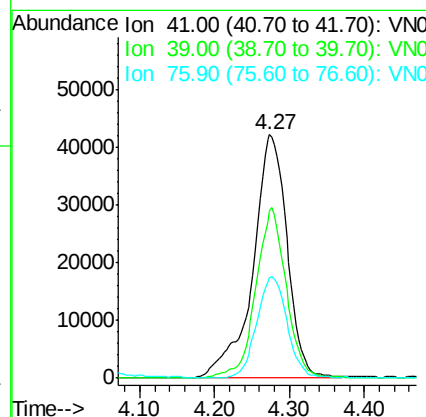
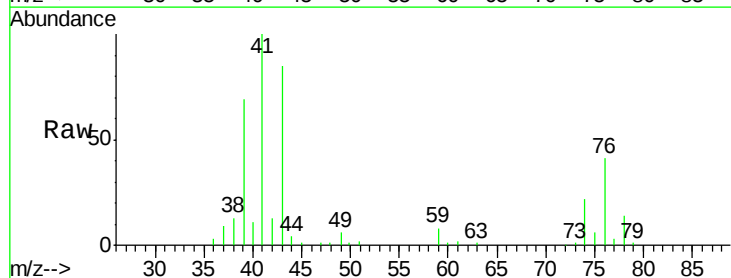
Manual Integrations
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#14
Allyl chloride
Concen: 44.801 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	61.9	50.9	76.3
76	76	36.9	29.0	43.4





#15

Acrylonitrile

Concen: 253.183 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

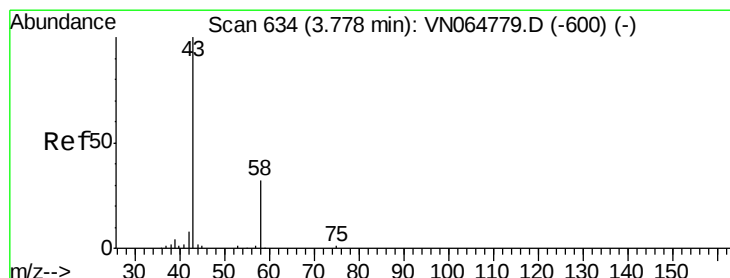
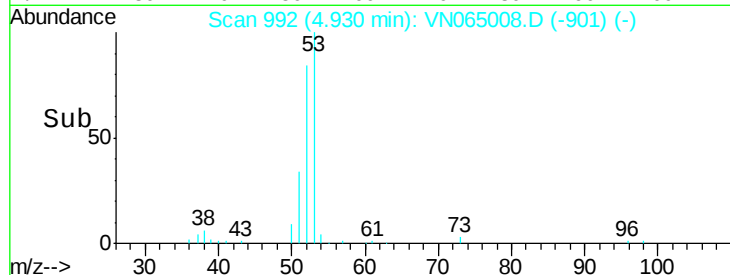
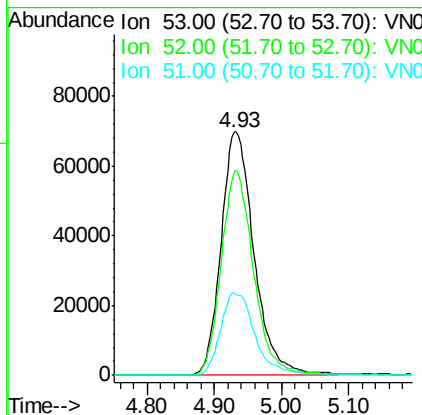
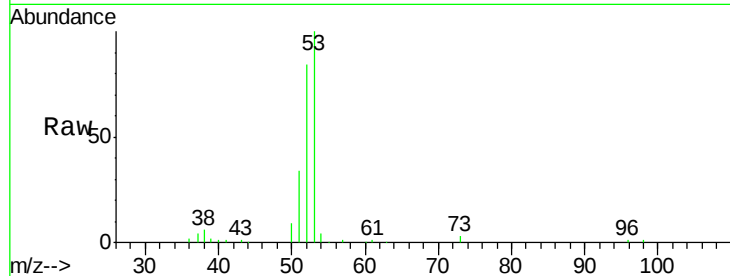
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	238593
Ion Ratio		Lower	Upper
53	100		
52	82.5	65.5	98.3
51	35.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 255.670 ug/l

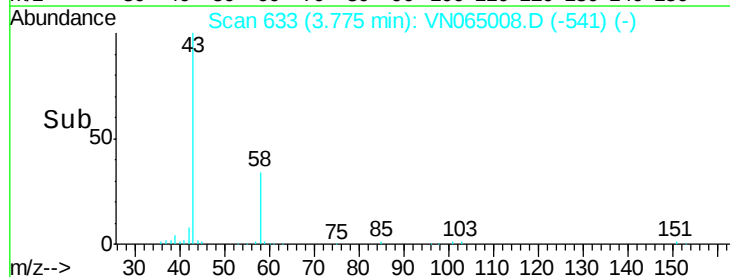
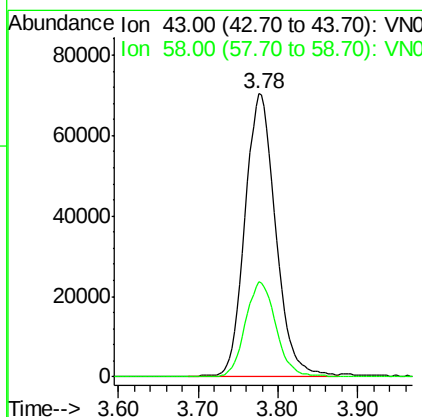
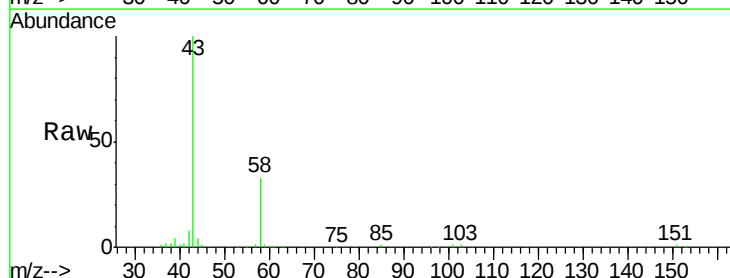
RT: 3.78 min Scan# 633

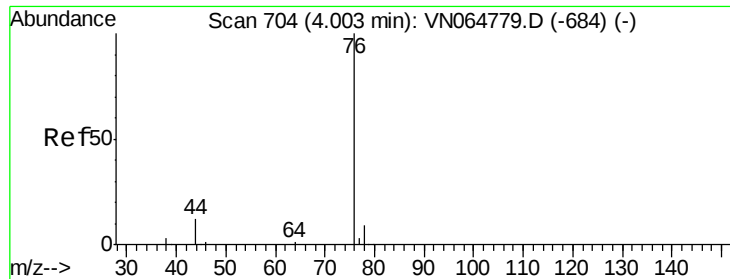
Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Tgt Ion:	43	Resp:	183840
Ion Ratio		Lower	Upper
43	100		
58	33.5	25.7	38.5





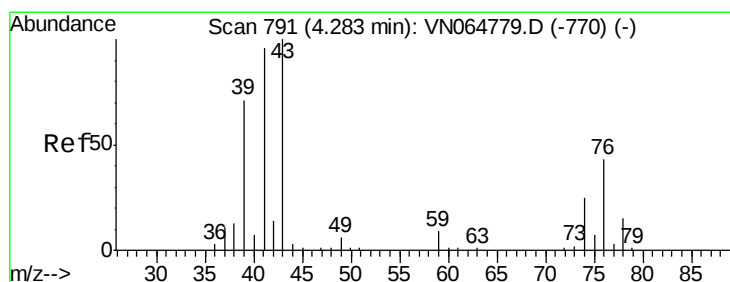
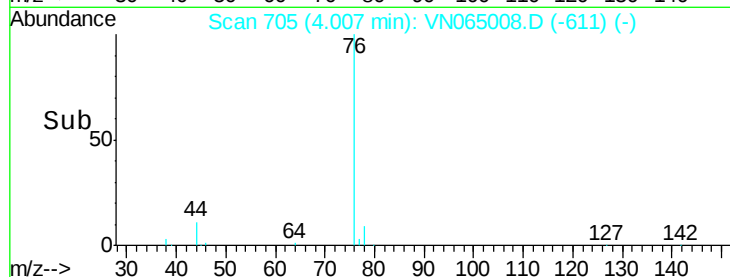
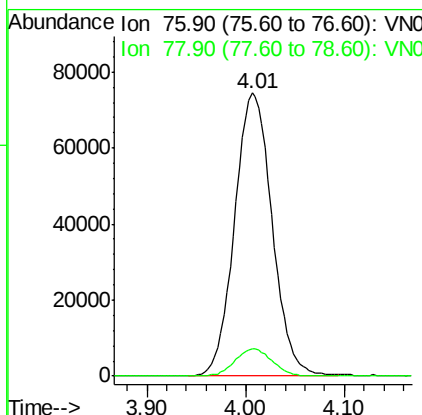
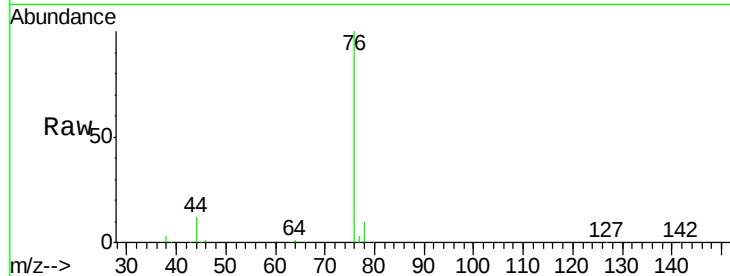
#17
Carbon Disulfide
Concen: 41.737 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

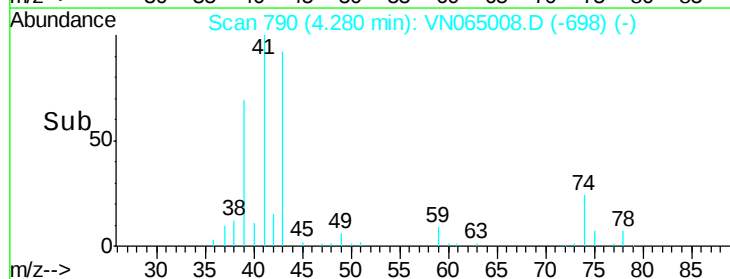
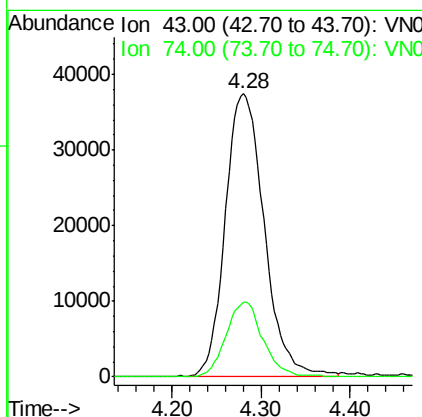
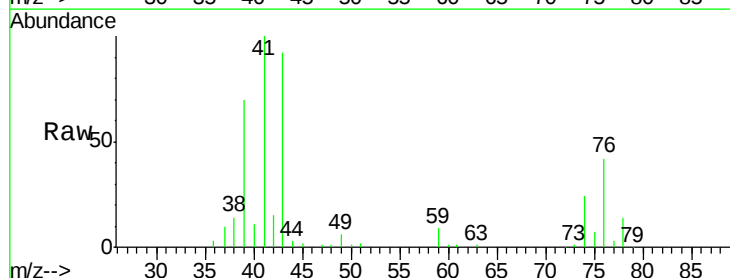
Manual Integrations
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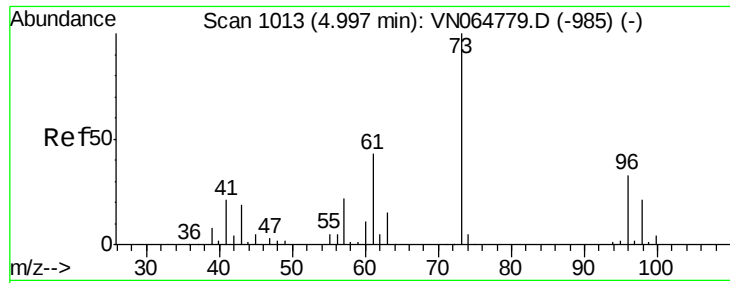
MMDadoda
12/10/2020 9:55:57 AM



#18
Methyl Acetate
Concen: 52.547 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.2	30.2





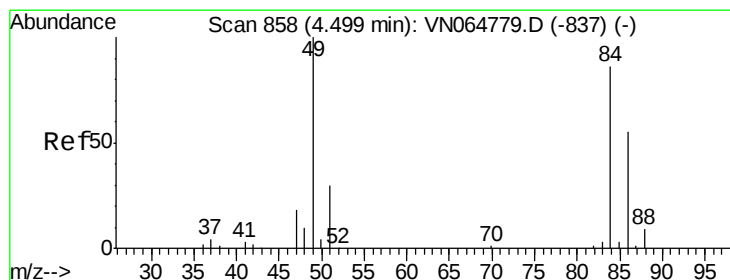
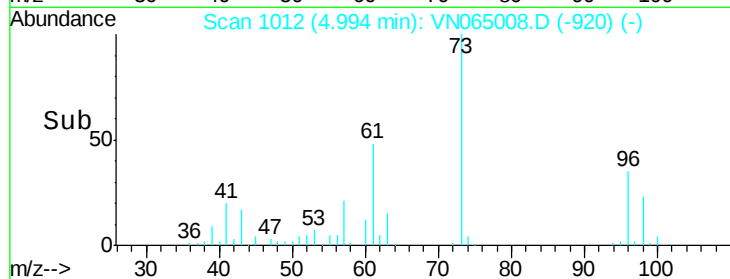
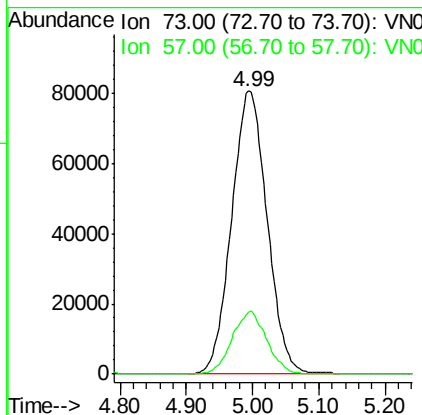
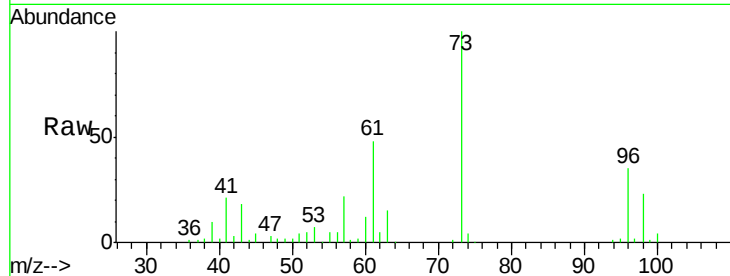
#19
Methvl tert-butvl Ether
Concen: 51.305 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 300215
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0

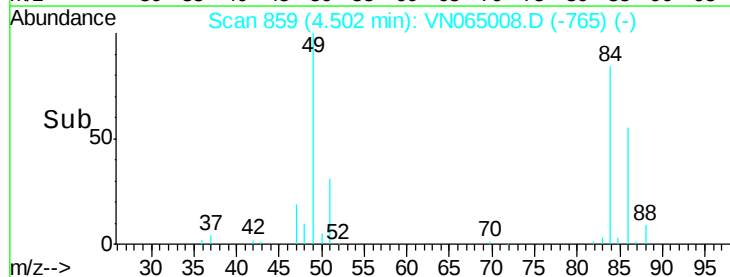
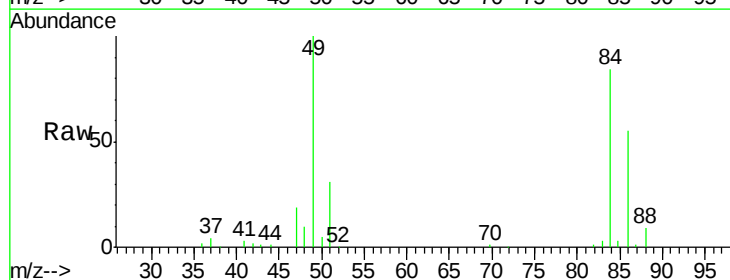
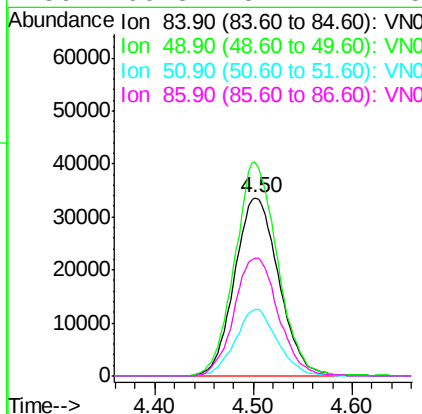
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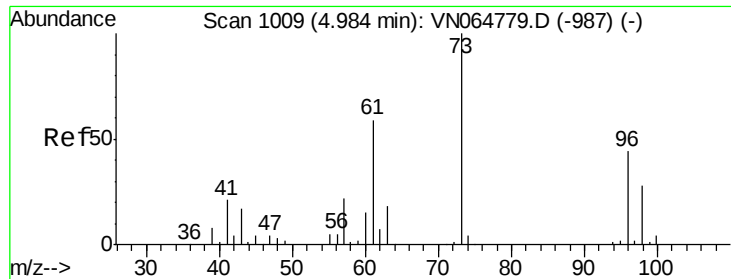
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#20
Methylene Chloride
Concen: 46.407 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 84 Resp: 104565
Ion Ratio Lower Upper
84 100
49 119.7 93.4 140.0
51 37.1 28.2 42.4
86 66.3 51.7 77.5





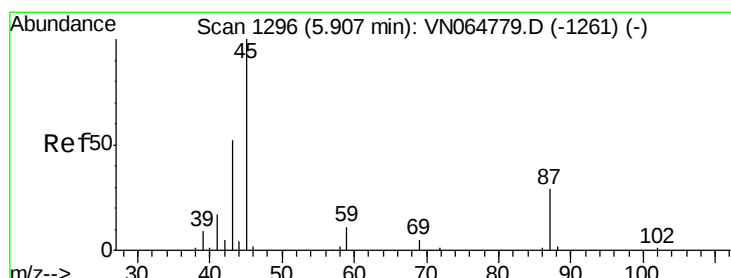
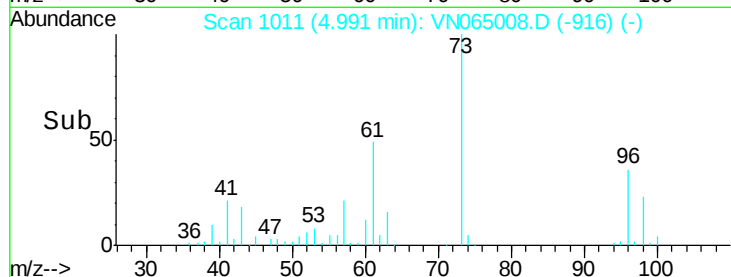
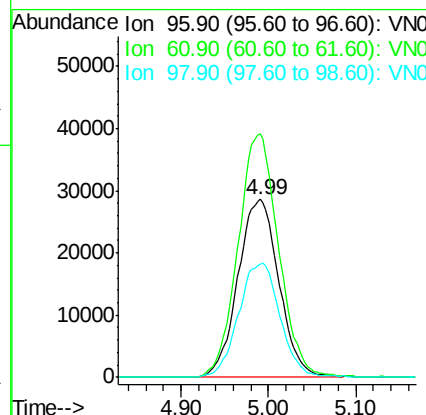
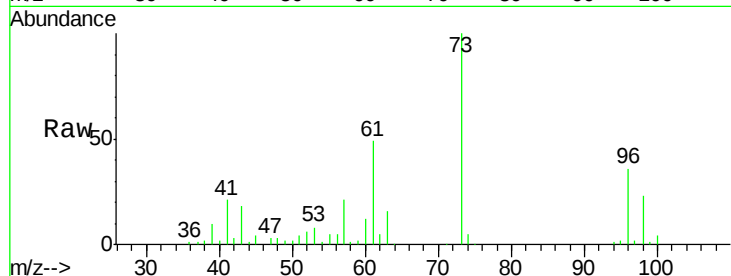
#21
trans-1,2-Dichloroethene
Concen: 45.964 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	108.4	162.6
98	63.8	51.3	76.9

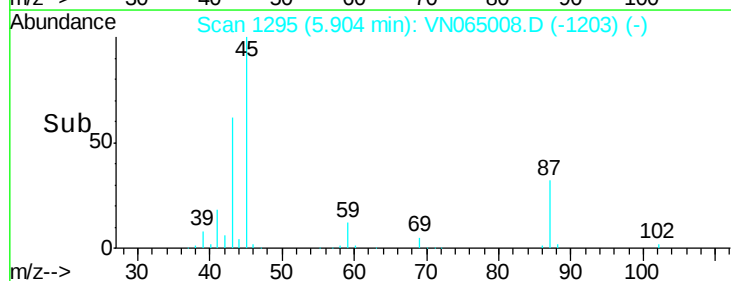
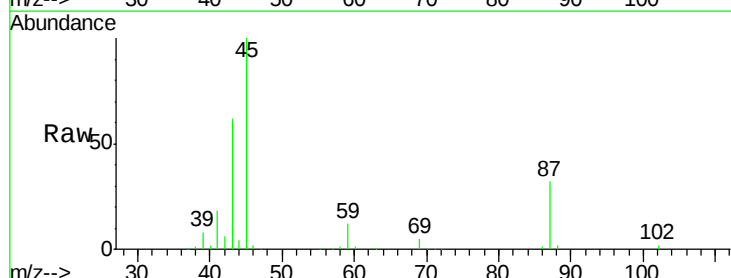
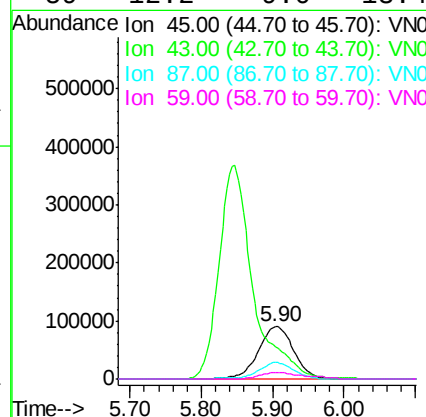
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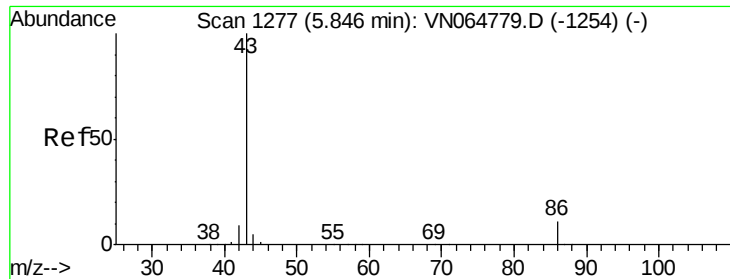
MMDadoda
12/10/2020 9:55:57 AM



#22
Diisopropyl ether
Concen: 51.479 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	46.2	69.2
87	31.8	24.1	36.1
59	12.2	9.0	13.4





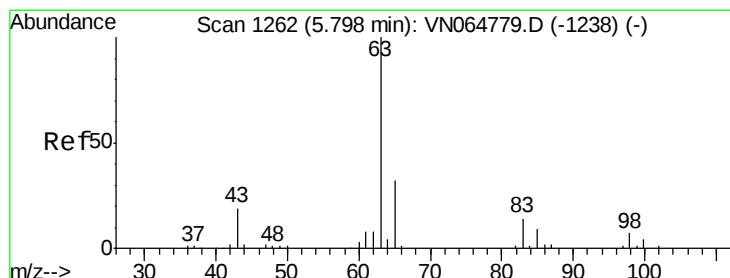
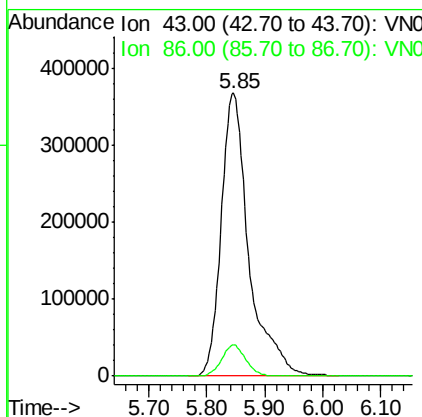
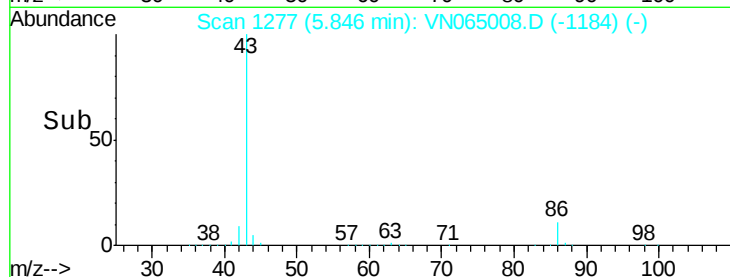
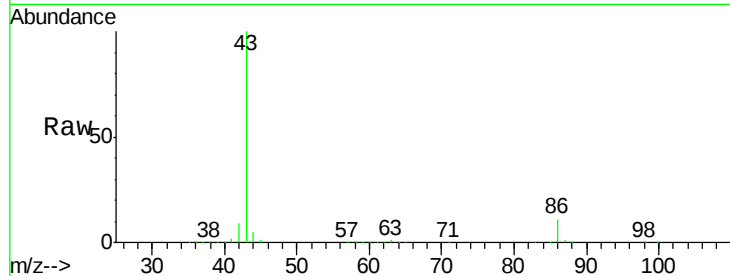
#23
 Vinyl Acetate
 Concen: 253.579 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1221392
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.9 13.3

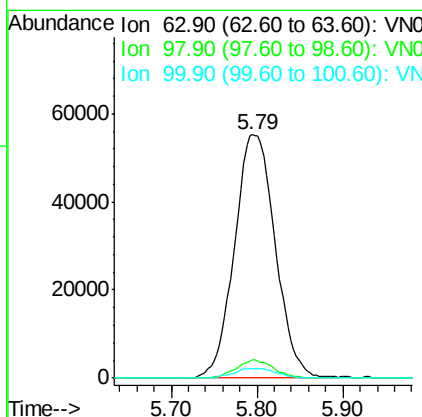
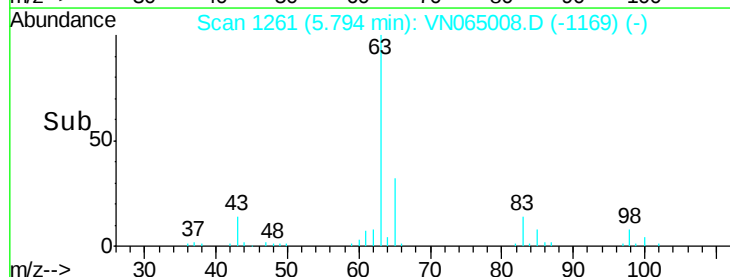
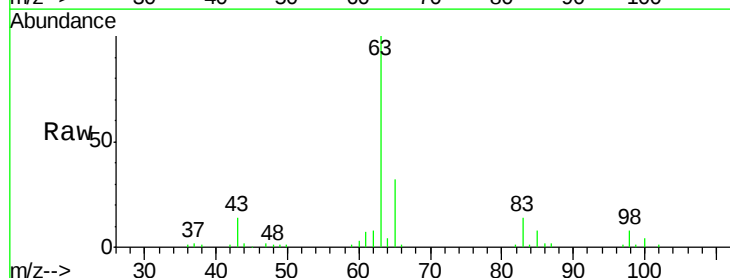
Manual Integrations
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 12/10/2020 9:55:57 AM



#24
 1,1-Dichloroethane
 Concen: 50.506 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion: 63 Resp: 181805
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.5
 100 3.9 2.3 6.8





#25

2-Butanone

Concen: 254.578 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 296741

Ion Ratio Lower Upper

43 100

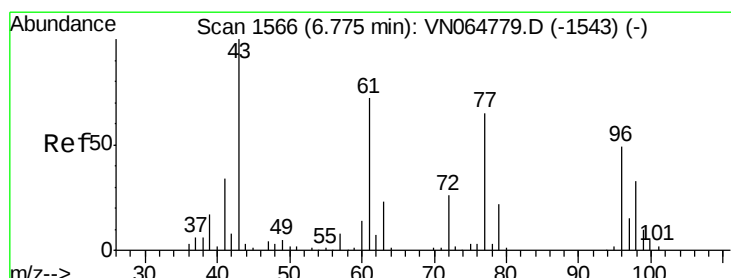
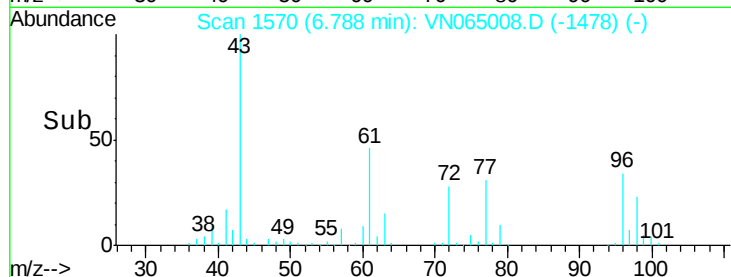
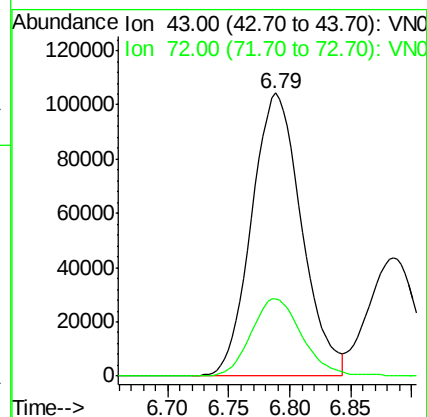
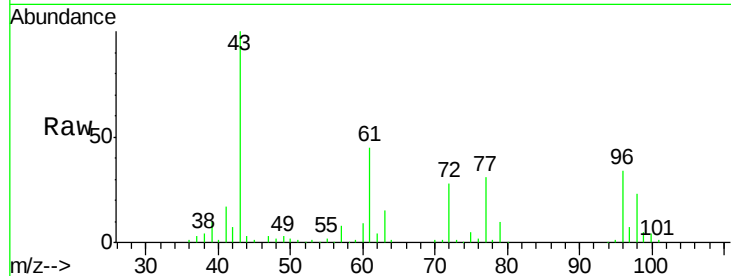
72 27.5 21.0 31.6

Manual Integrations

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MMDadoda

12/10/2020 9:55:57 AM



#26

2,2-Dichloropropane

Concen: 38.324 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN065008.D

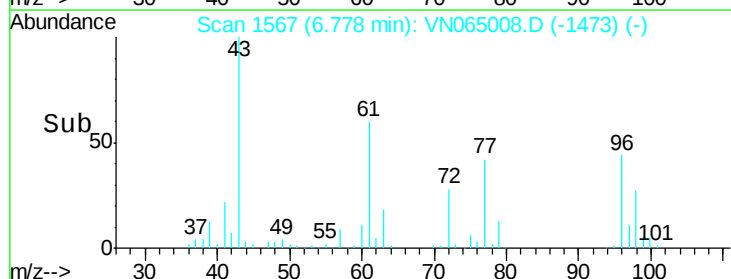
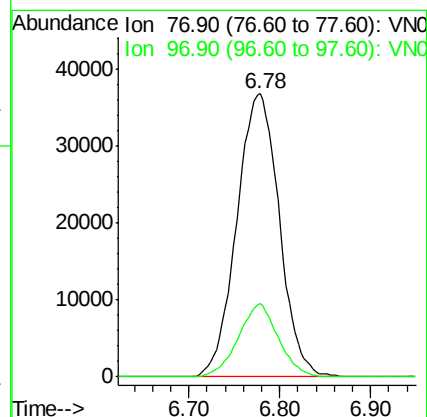
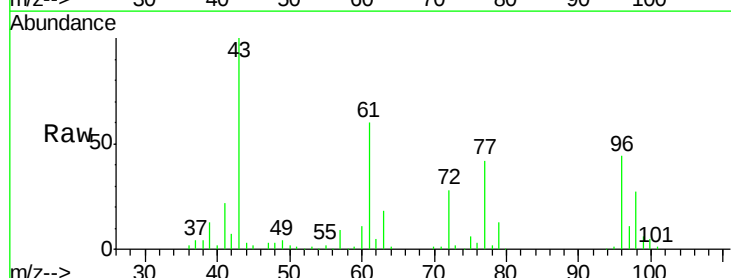
Acq: 9 Dec 2020 7:52

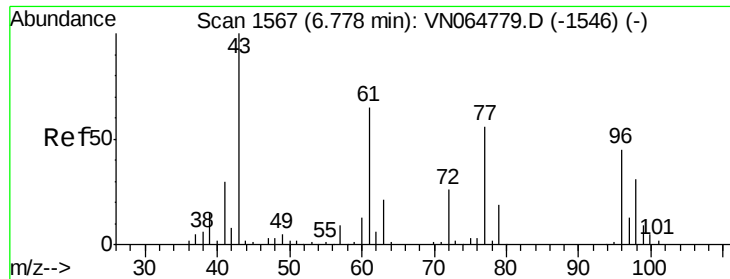
Tgt Ion: 77 Resp: 119647

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 49.035 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

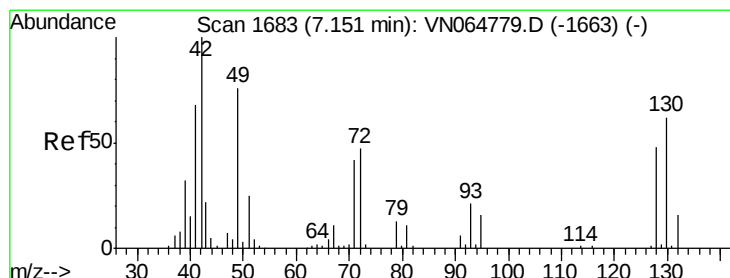
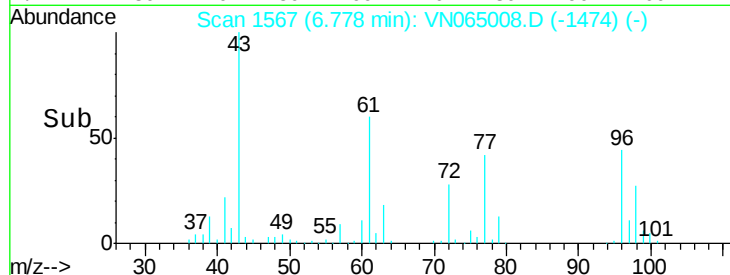
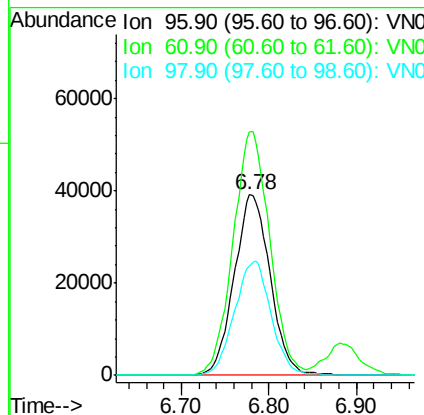
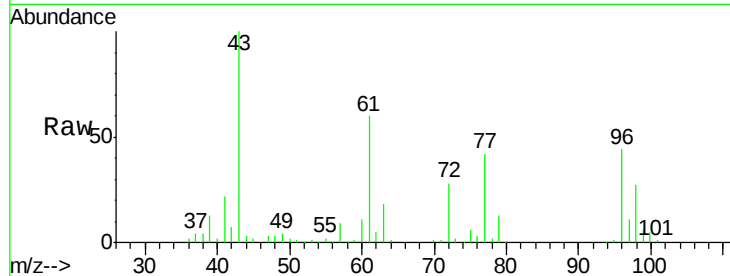
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	111794
Ion Ratio	Lower	Upper	
96	100		
61	137.7	0.0	285.8
98	64.2	0.0	130.6

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12/10/2020 9:55:57 AM



#28

Bromochloromethane

Concen: 48.186 ug/l

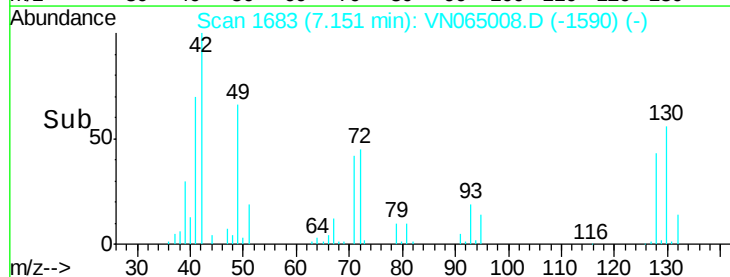
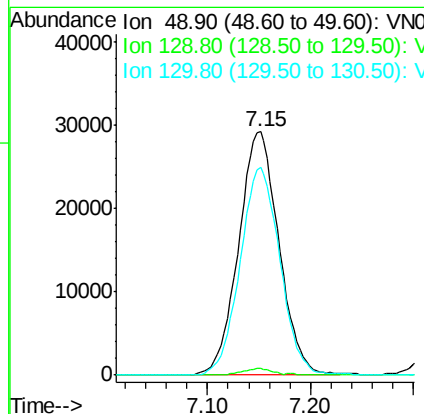
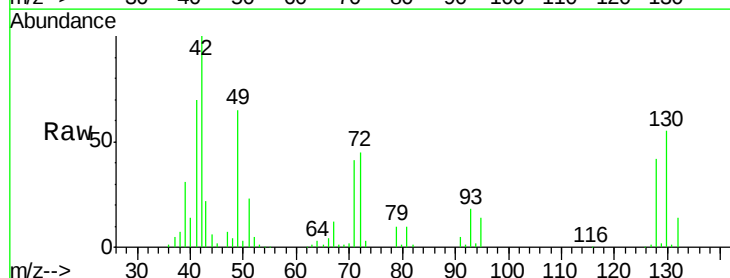
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Tgt Ion:	49	Resp:	79350
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	84.3	66.2	99.2





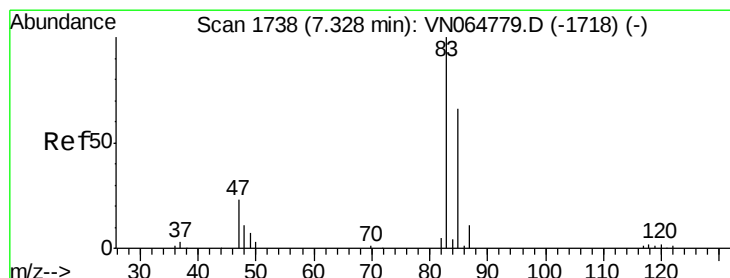
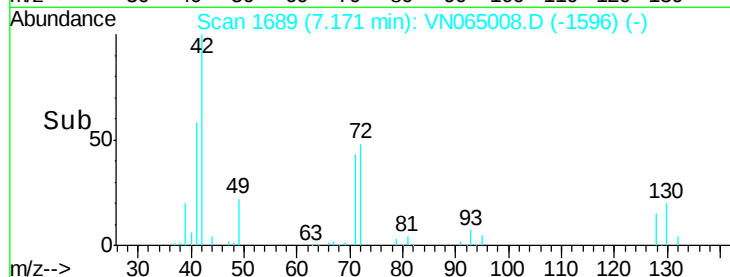
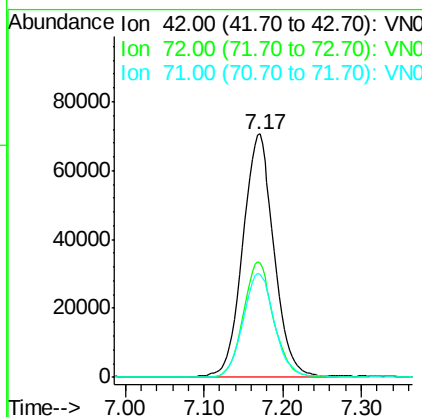
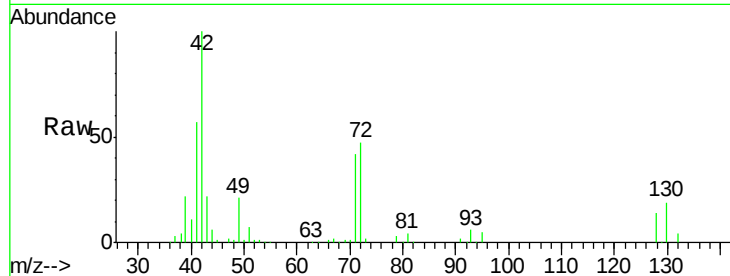
#29
Tetrahydrofuran
Concen: 246.513 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.6	54.8
71	42.9	33.6	50.4

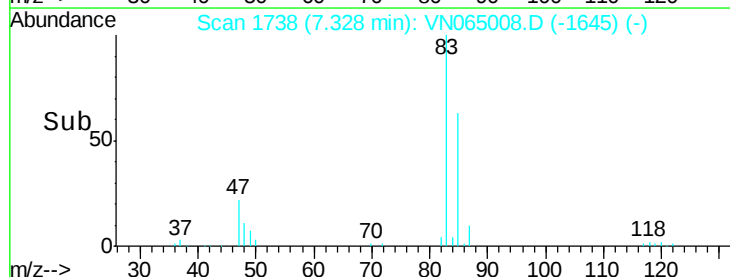
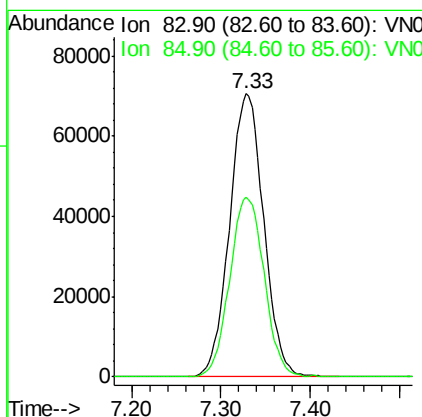
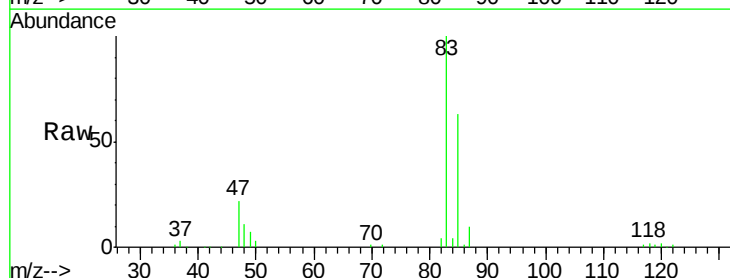
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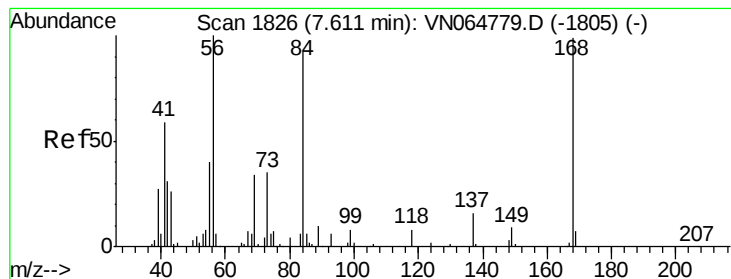
MMDadoda
12/10/2020 9:55:57 AM



#30
Chloroform
Concen: 50.455 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	78.8





#31

Cyclohexane

Concen: 43.827 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

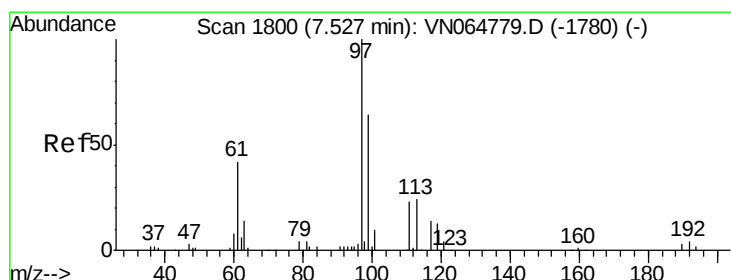
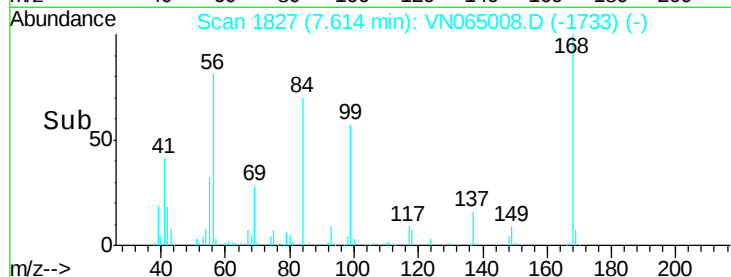
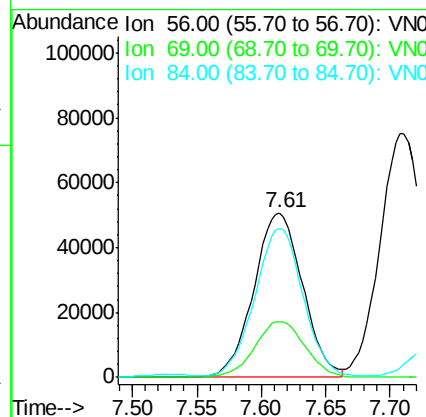
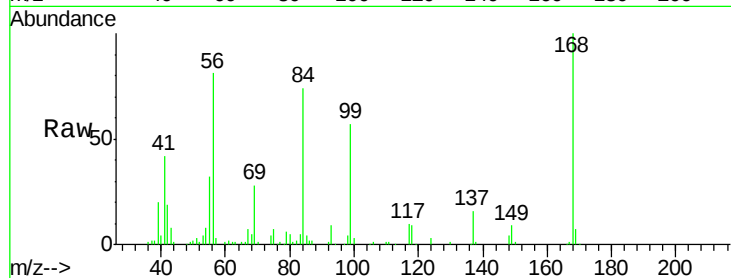
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	133616
Ion Ratio	Lower	Upper	
56	100		
69	34.0	27.5	41.3
84	89.4	73.9	110.9

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#32

1,1,1-Trichloroethane

Concen: 50.061 ug/l

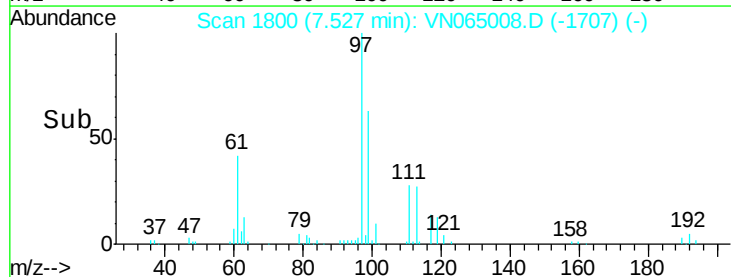
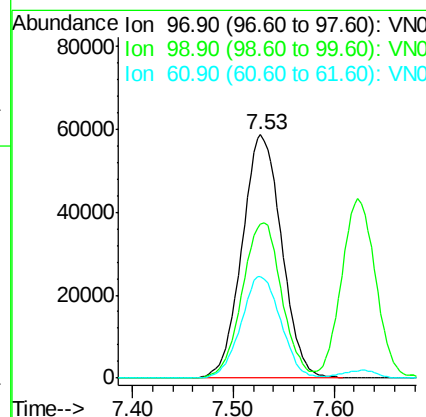
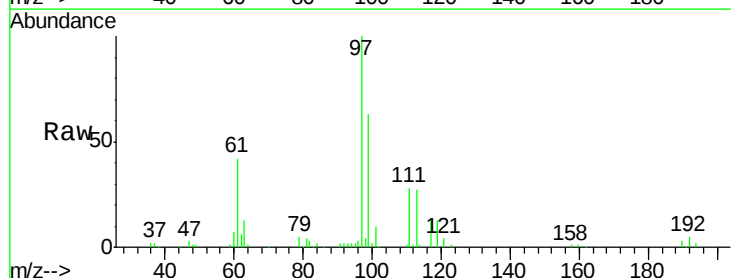
RT: 7.53 min Scan# 1800

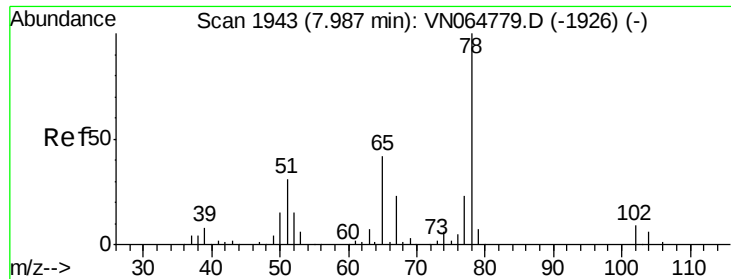
Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Tgt Ion:	97	Resp:	159605
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.7	77.5
61	42.0	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 48.734 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 106599

Ion Ratio Lower Upper

65 100

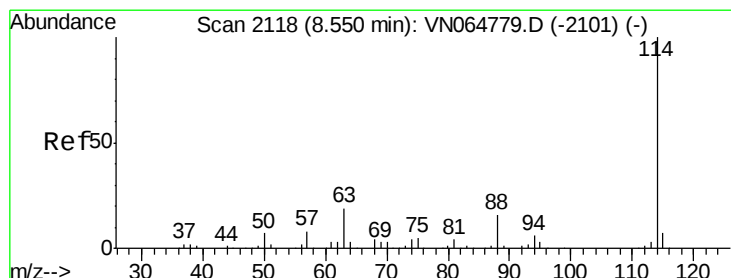
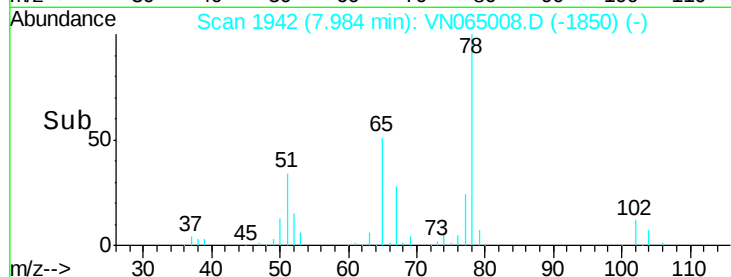
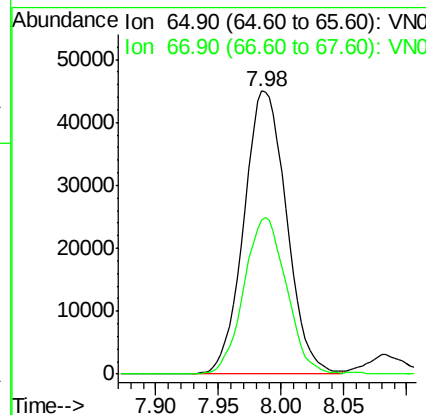
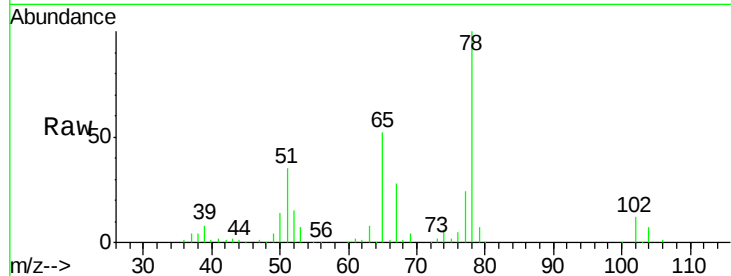
67 55.0 0.0 108.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

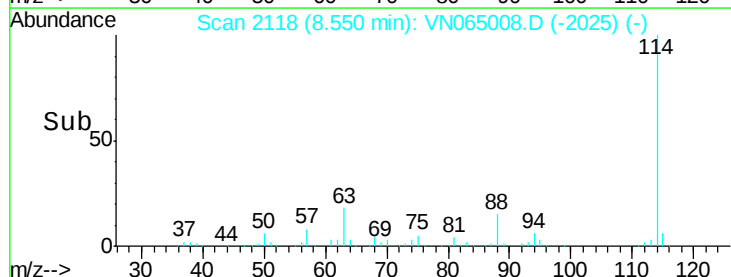
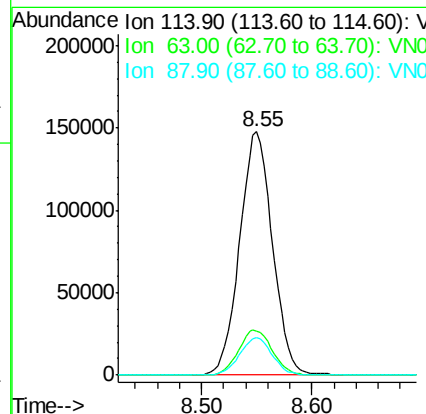
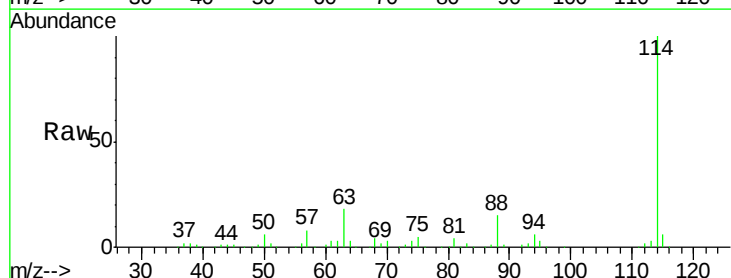
Tgt Ion: 114 Resp: 304299

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.6

88 15.2 0.0 32.6





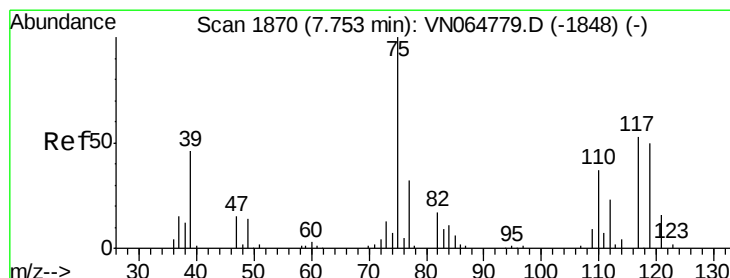
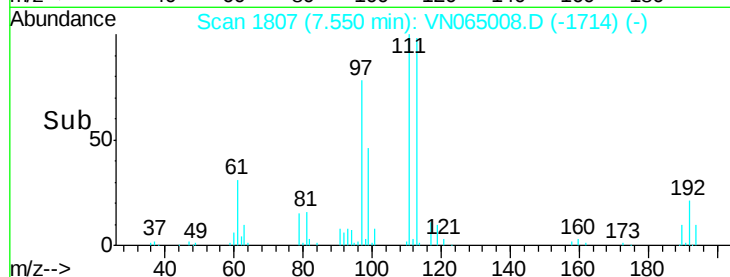
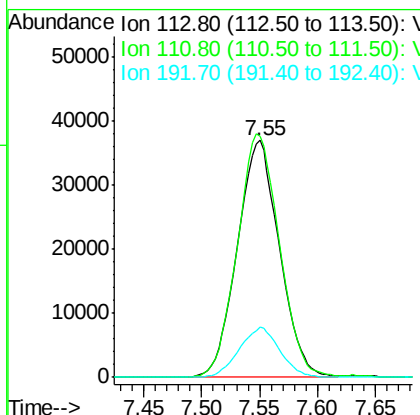
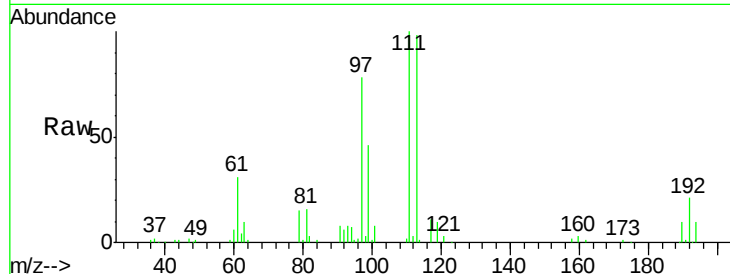
#35
Dibromofluoromethane
Concen: 51.301 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	93410		
111	102.8	81.6	122.4	
192	20.2	16.2	24.2	

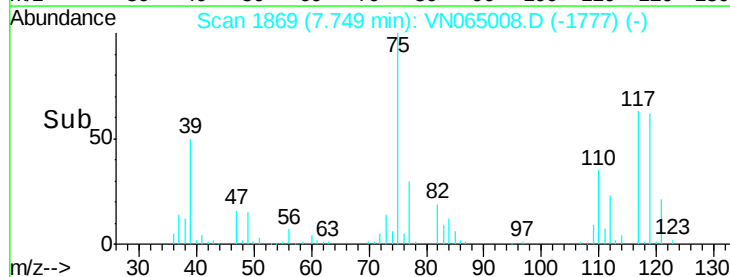
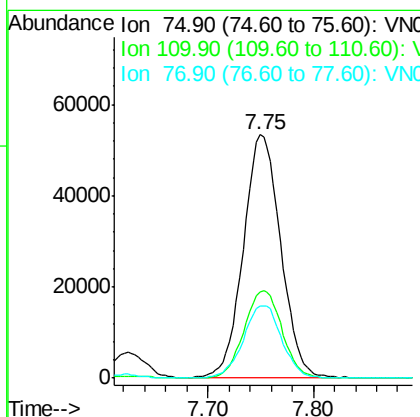
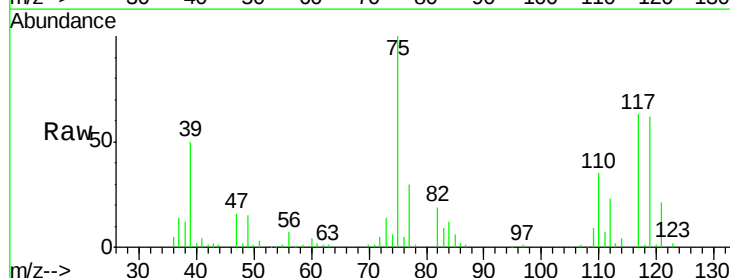
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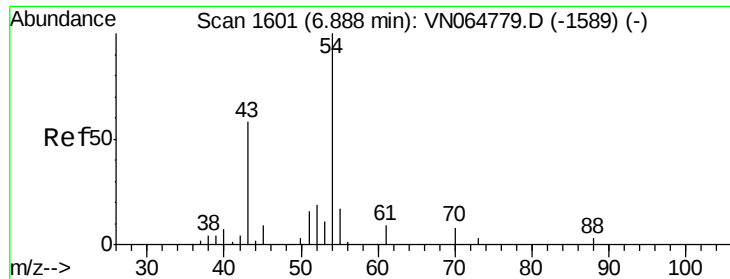
MMDadoda
12/10/2020 9:55:57 AM



#36
1,1-Dichloropropene
Concen: 46.822 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132064		
110	36.3	17.8	53.3	
77	30.7	25.0	37.4	





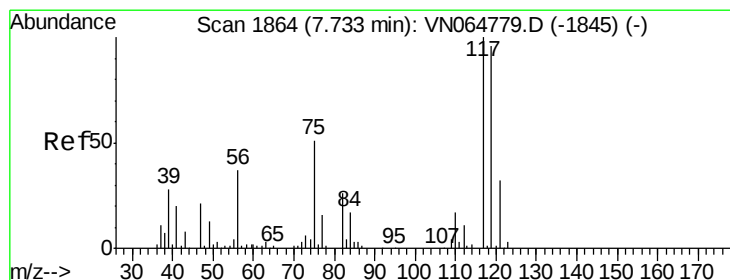
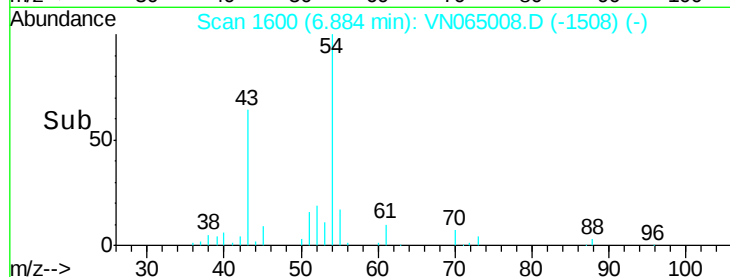
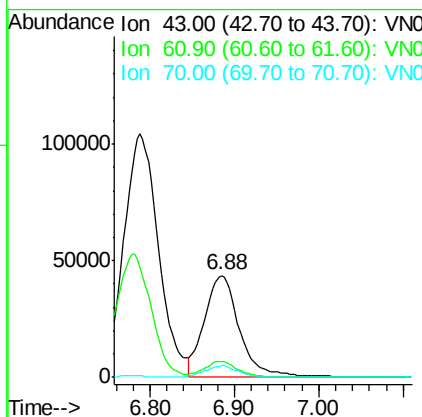
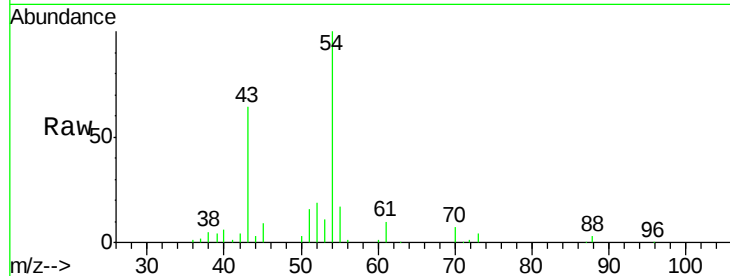
#37
Ethyl Acetate
Concen: 45.951 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.8	19.2
70	11.1	8.8	13.2

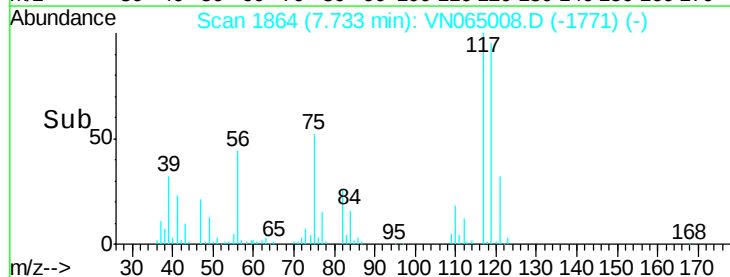
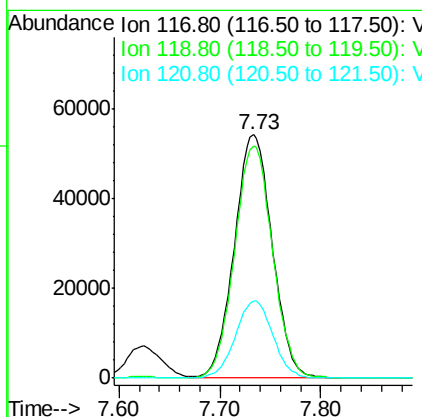
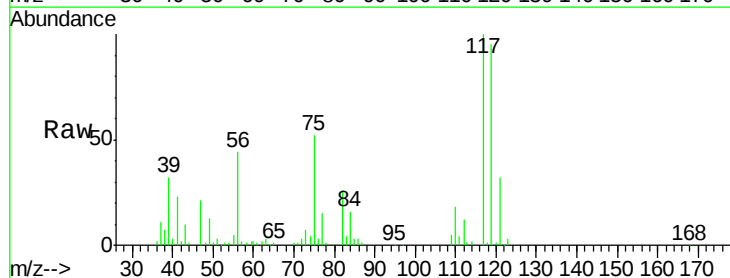
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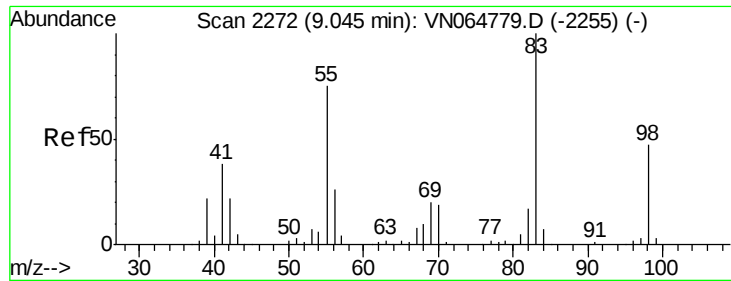
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#38
Carbon Tetrachloride
Concen: 48.186 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.7	115.1
121	31.8	25.4	38.2





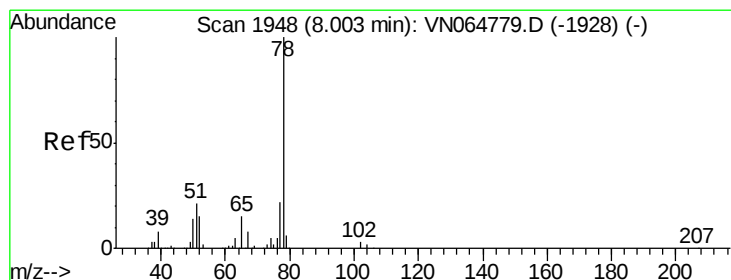
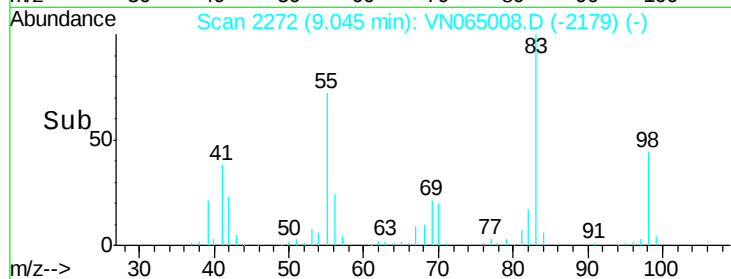
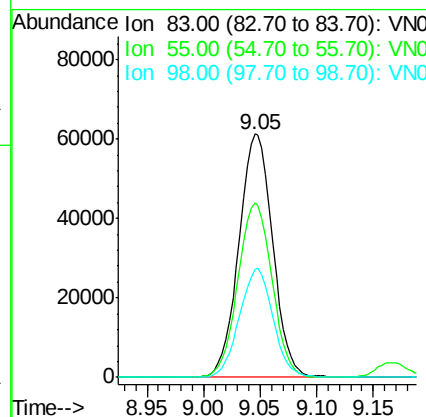
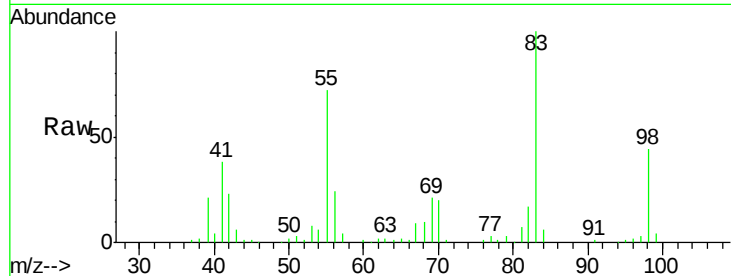
#39
Methvlcvclohexane
Concen: 42.110 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	60.2	90.2
98	44.3	37.4	56.2

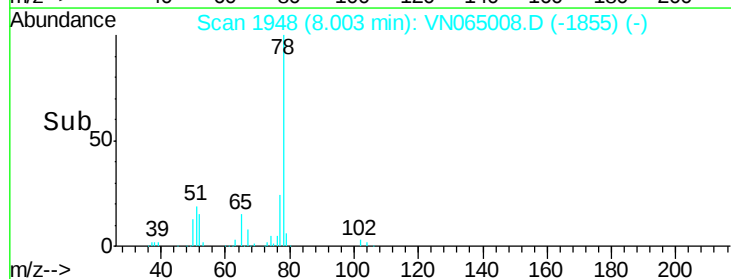
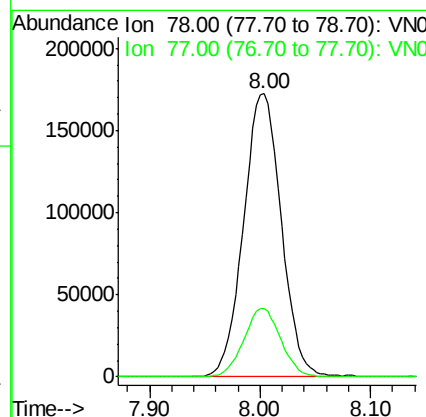
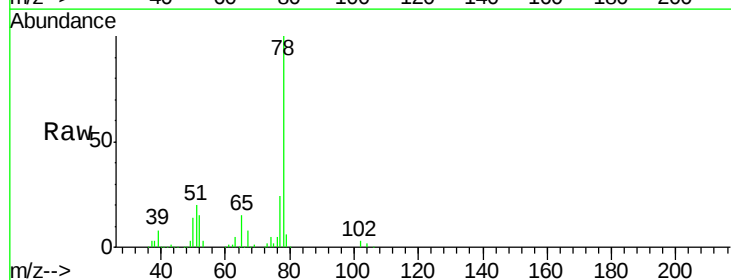
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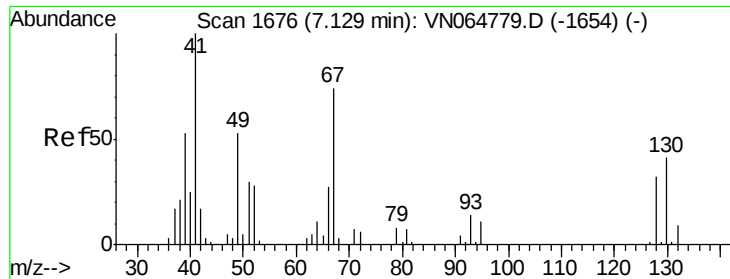
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#40
Benzene
Concen: 47.373 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	17.9	26.9





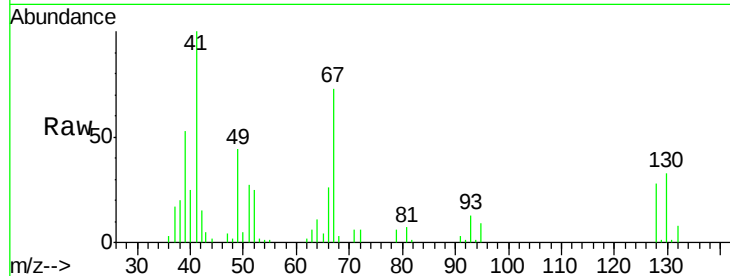
#41
Methacrylonitrile
Concen: 49.884 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

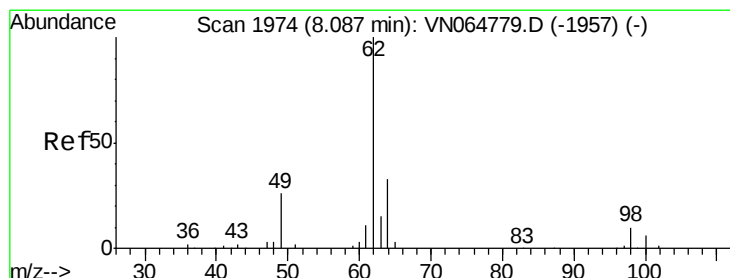
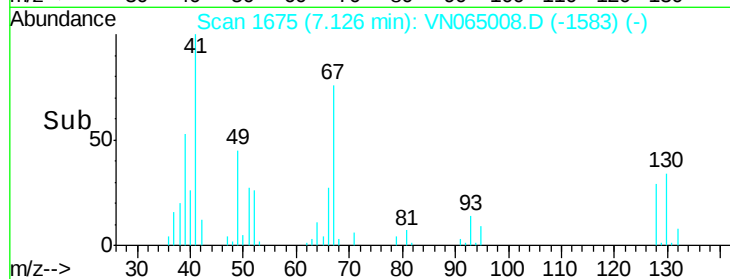
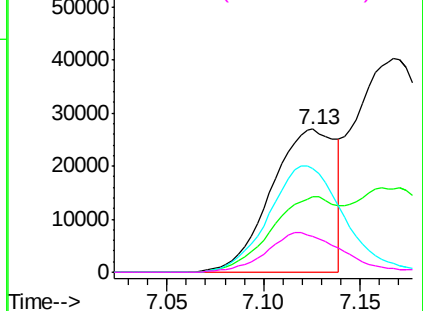
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	51.0	76.6	
67	86.9	79.8	119.8	
52	32.9	31.5	47.3	

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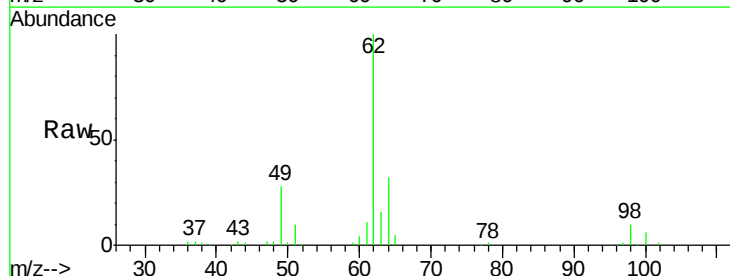


Abundance Ion 41.00 (40.70 to 41.70): VN064779.D (-1654) (-)
Ion 39.00 (38.70 to 39.70): VN064779.D (-1654) (-)
Ion 67.00 (66.70 to 67.70): VN064779.D (-1654) (-)
Ion 52.00 (51.70 to 52.70): VN064779.D (-1654) (-)

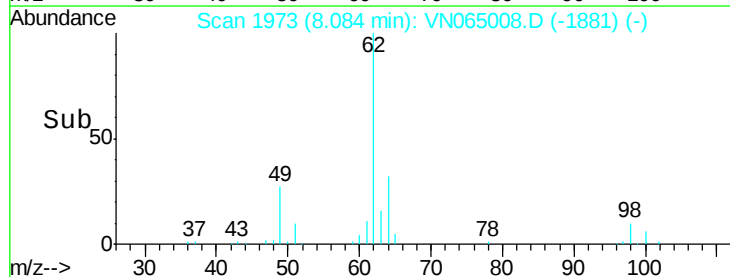
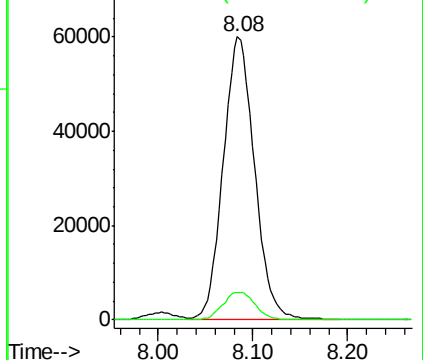


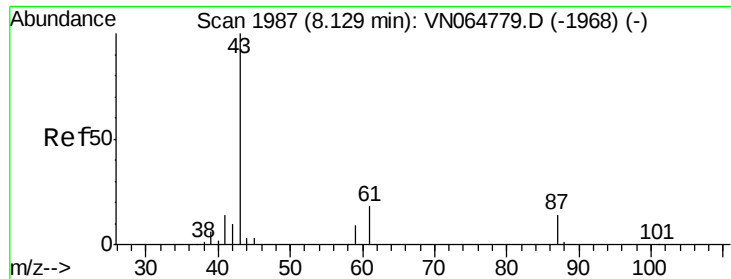
#42
1,2-Dichloroethane
Concen: 47.137 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.6	



Abundance Ion 61.90 (61.60 to 62.60): VN064779.D (-1957) (-)
Ion 97.90 (97.60 to 98.60): VN064779.D (-1957) (-)





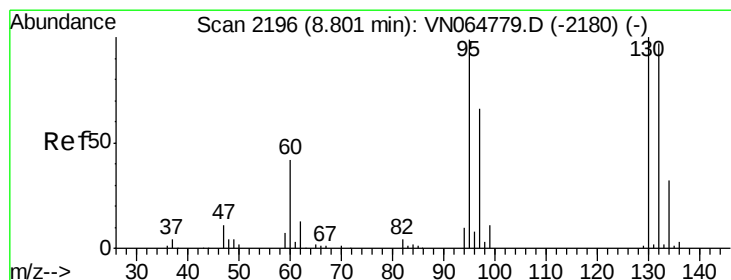
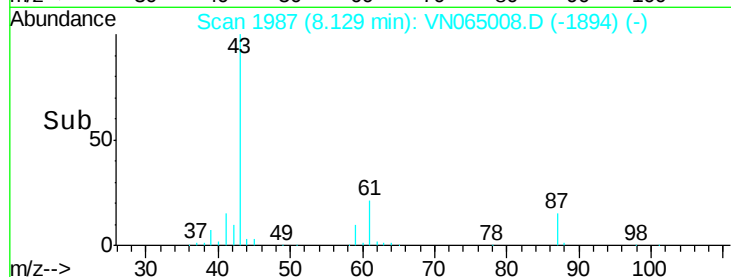
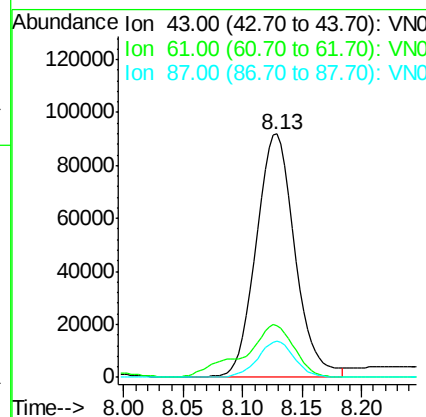
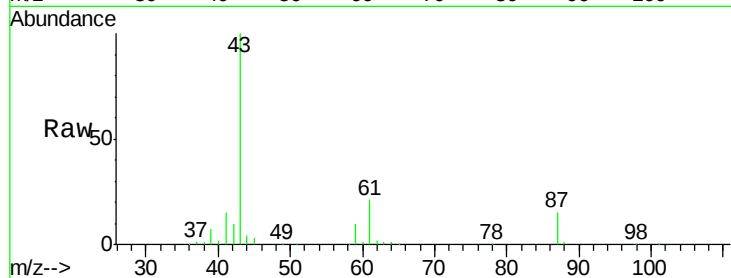
#43
Isopropyl Acetate
Concen: 47.123 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	17.2	25.8
87	14.1	11.4	17.0

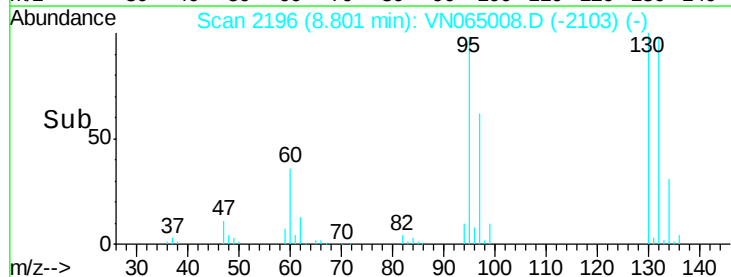
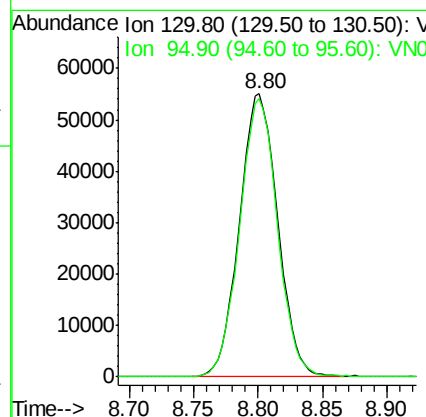
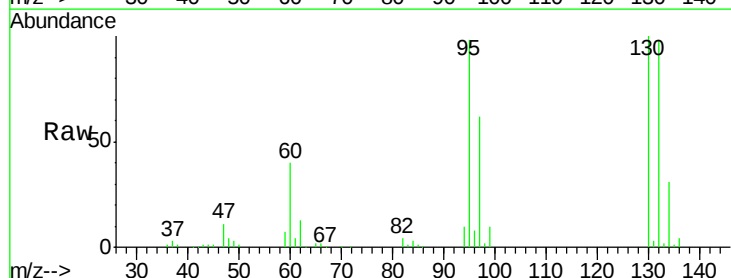
Manual Integrations
APPROVED

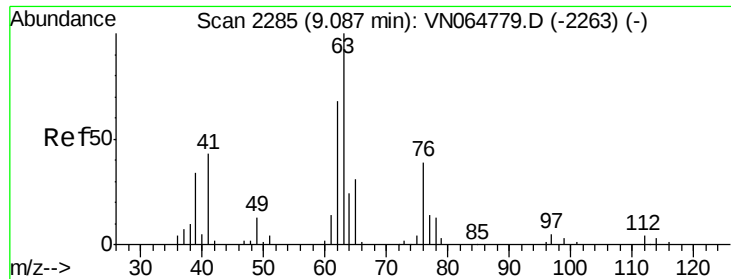
MMDadoda
12/10/2020 9:55:57 AM



#44
Trichloroethene
Concen: 44.593 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	197.8





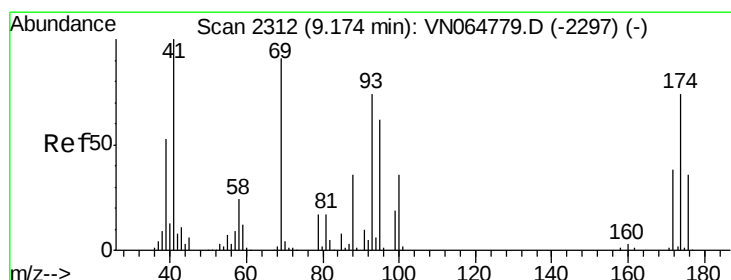
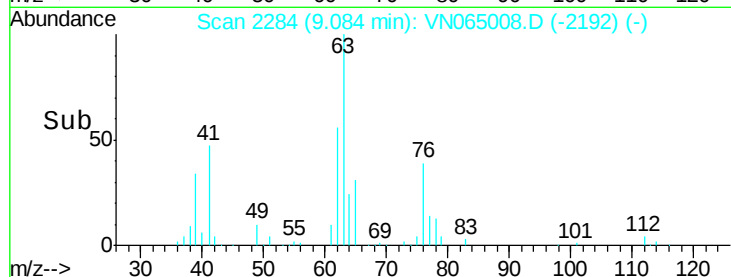
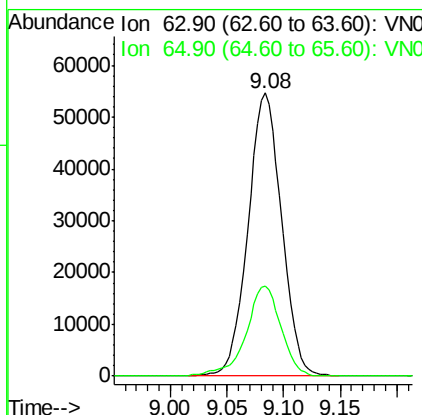
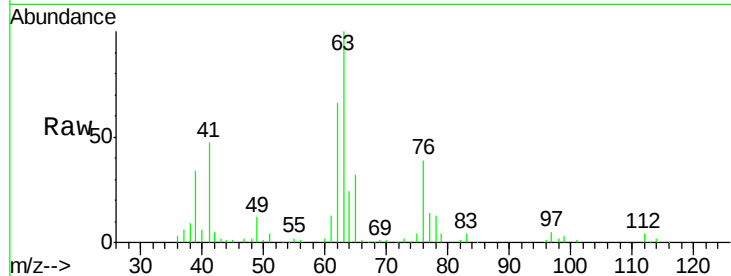
#45
 1,2-Dichloropropane
 Concen: 50.340 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 112675
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.4

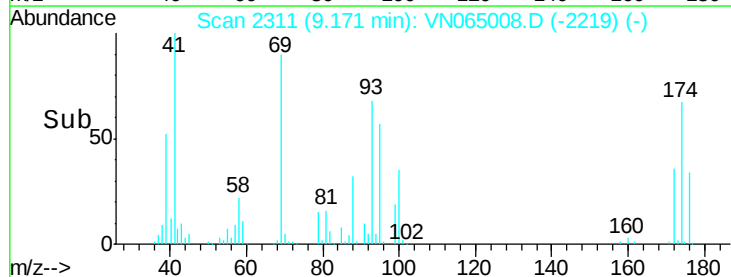
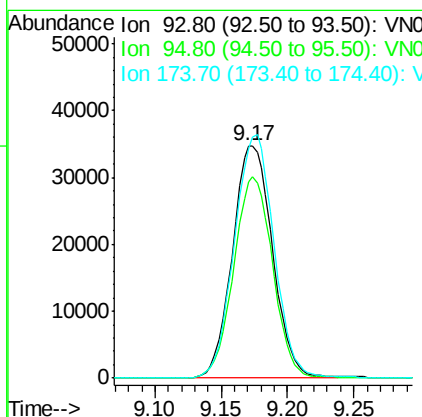
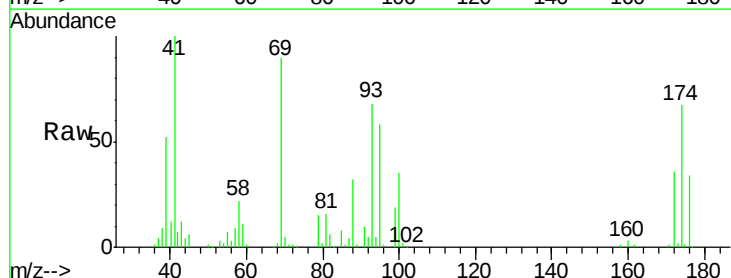
Manual Integrations
 APPROVED

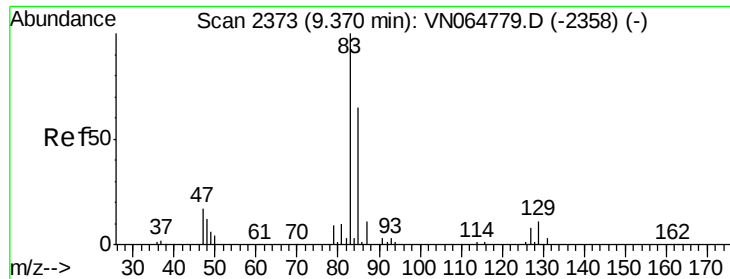
MMDadoda
 12/10/2020 9:55:57 AM



#46
 Dibromomethane
 Concen: 48.807 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion: 93 Resp: 72983
 Ion Ratio Lower Upper
 93 100
 95 84.4 68.8 103.2
 174 103.3 83.1 124.7





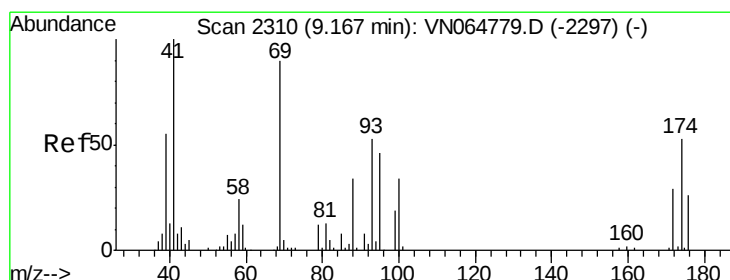
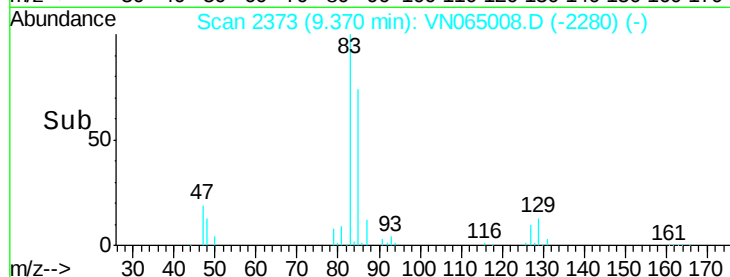
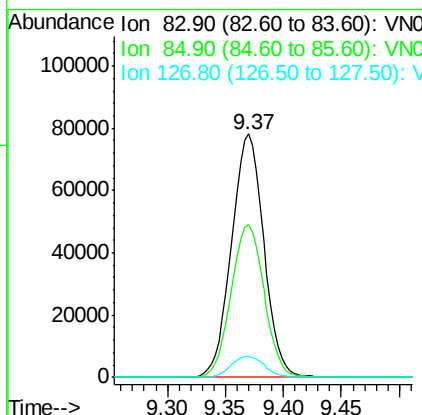
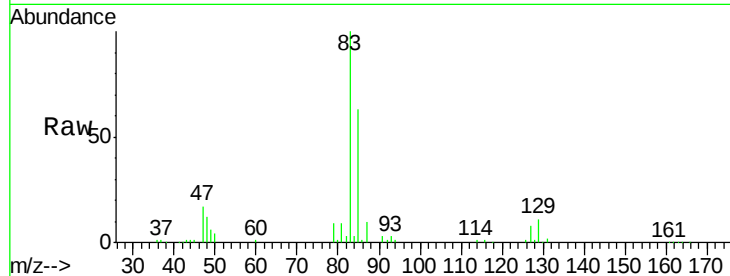
#47
Bromodichloromethane
Concen: 50.008 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	150465
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.8	77.8
127	8.5	6.8	10.2

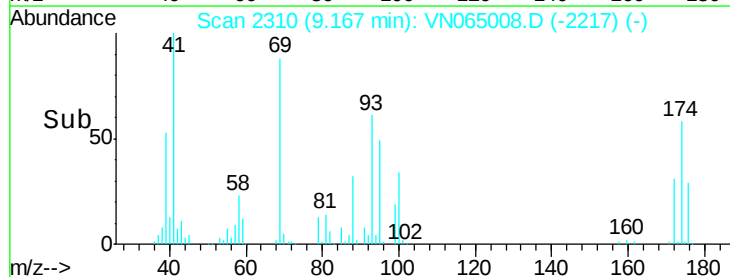
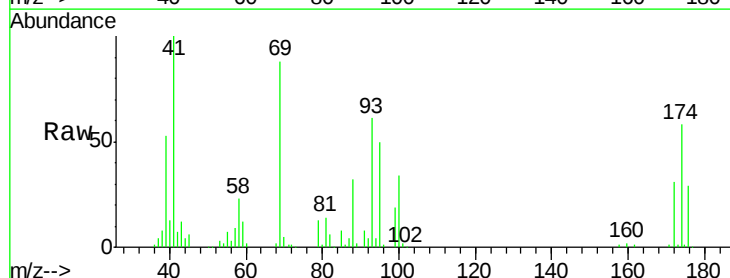
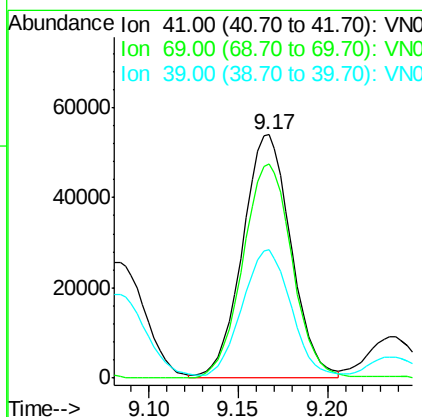
Manual Integrations
APPROVED

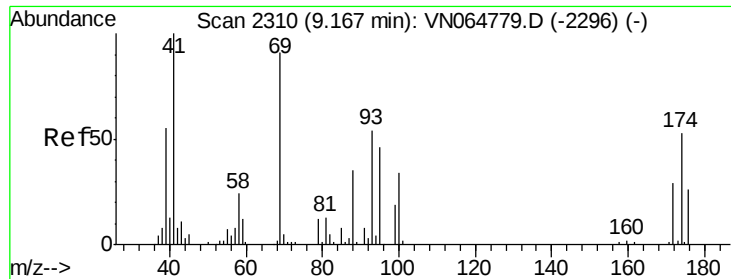
MMDadoda
12/10/2020 9:55:57 AM



#48
Methyl methacrylate
Concen: 48.954 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	41	Resp	102268
Ion Ratio	100	Lower	Upper
41	100		
69	90.1	71.8	107.8
39	53.4	44.1	66.1





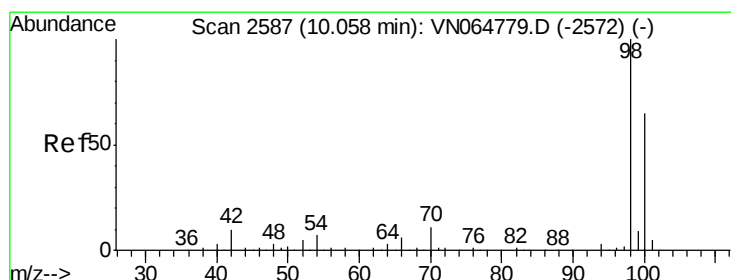
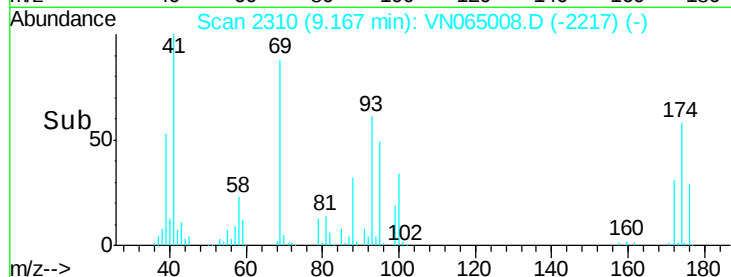
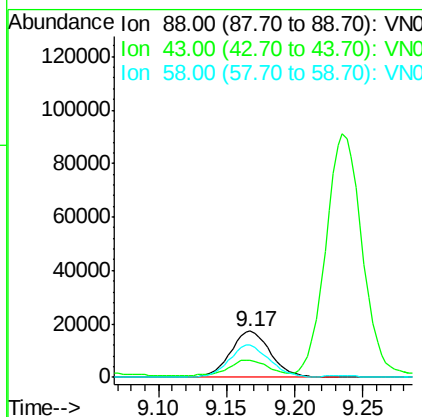
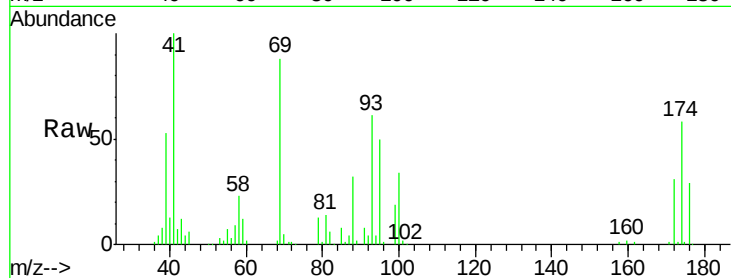
#49
1,4-Dioxane
Concen: 896.096 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	24.2	36.4
58	70.0	52.5	78.7

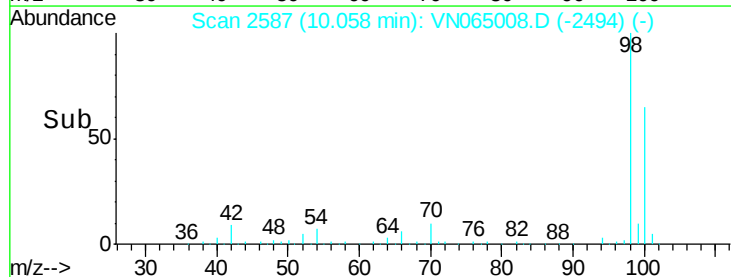
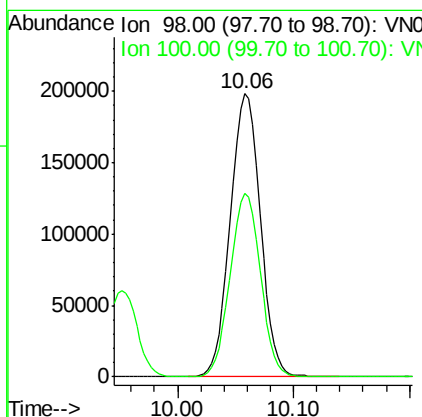
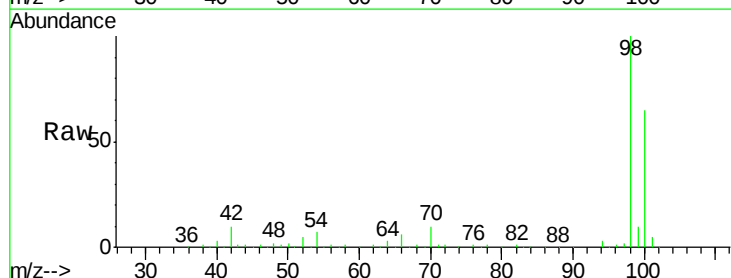
Manual Integrations
APPROVED

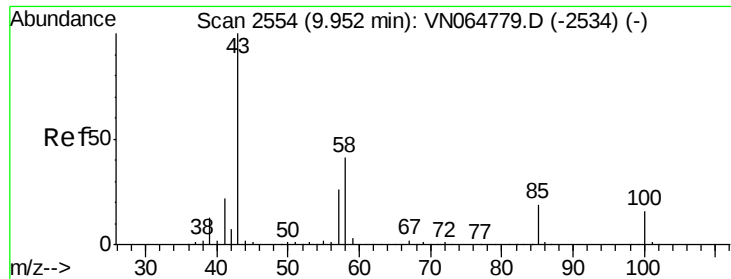
MMDadoda
12/10/2020 9:55:57 AM



#50
Toluene-d8
Concen: 47.971 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 242.497 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 636472

Ion Ratio Lower Upper

43 100

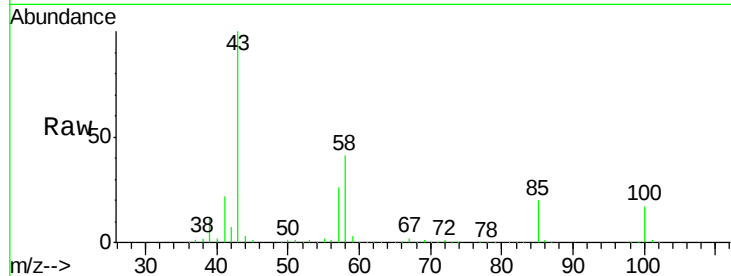
58 41.0 32.4 48.6

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:55:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.95

400000

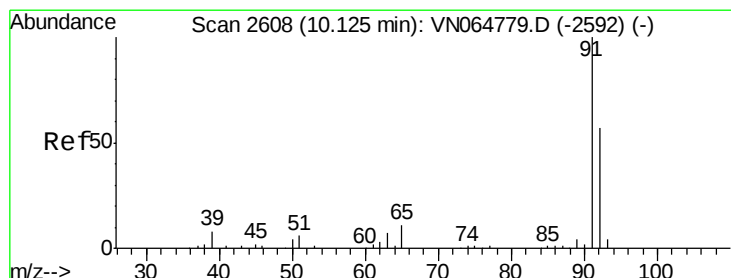
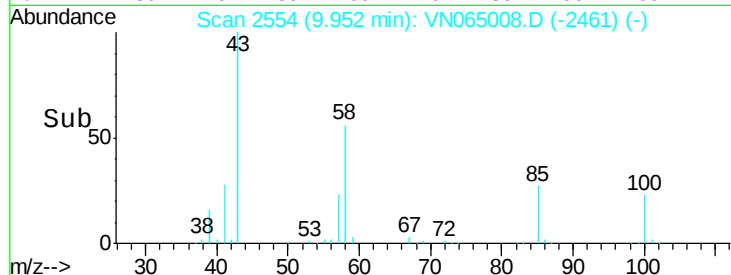
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.659 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN065008.D

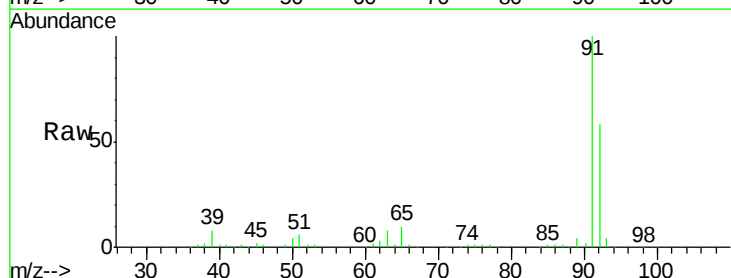
Acq: 9 Dec 2020 7:52

Tgt Ion: 92 Resp: 264322

Ion Ratio Lower Upper

92 100

91 172.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

10.12

300000

250000

200000

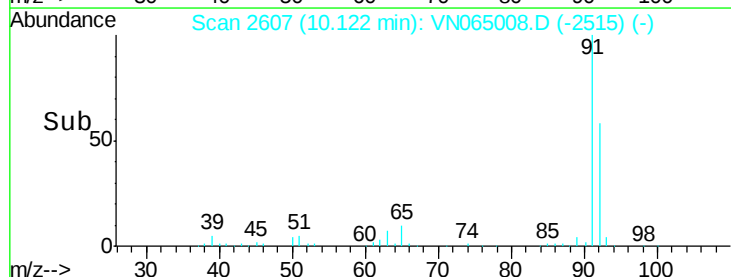
150000

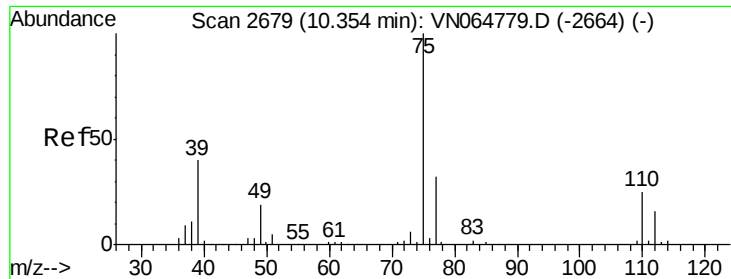
100000

50000

0

Time-->





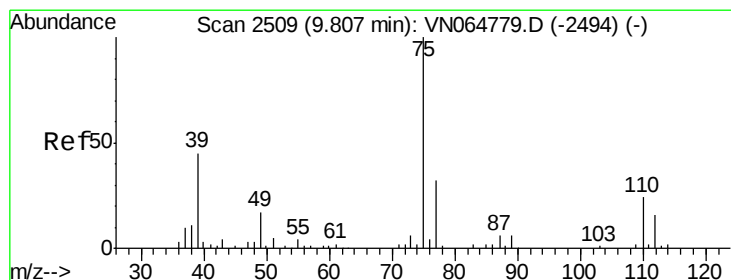
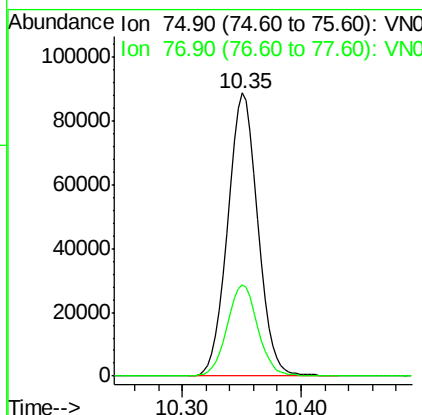
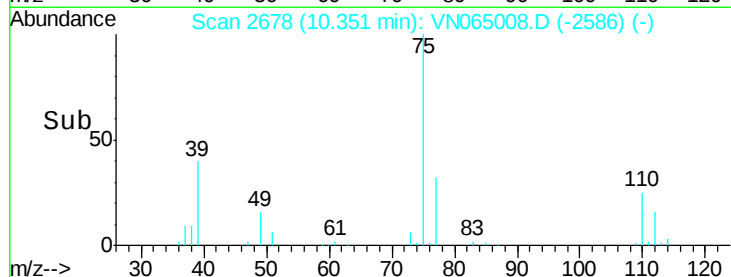
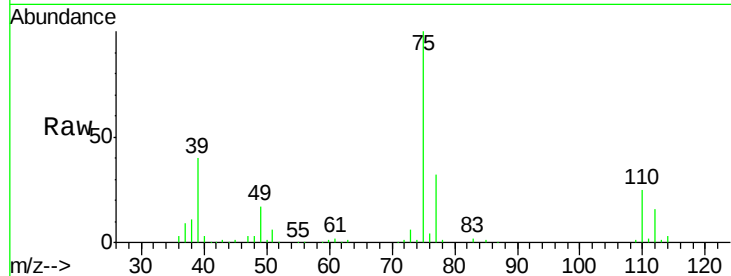
#53
t-1,3-Dichloropropene
Concen: 46.574 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 156078
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

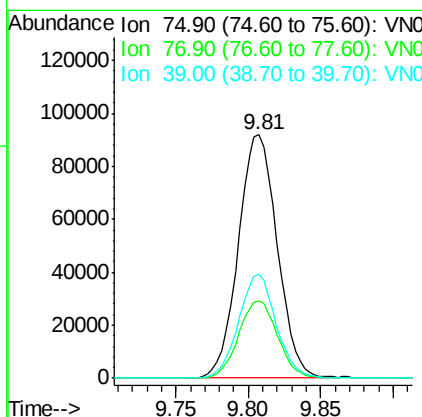
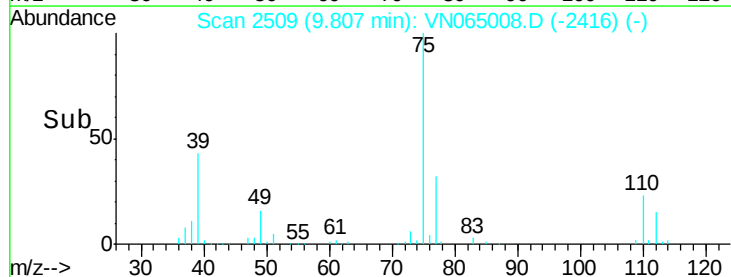
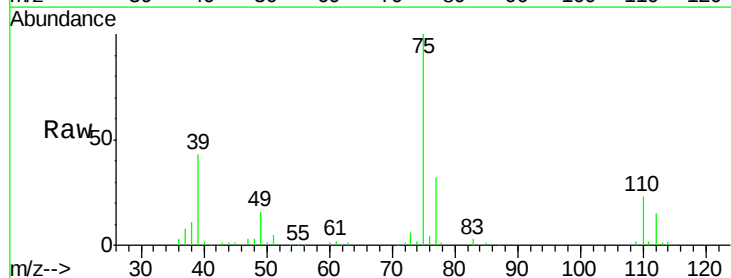
Manual Integrations
APPROVED

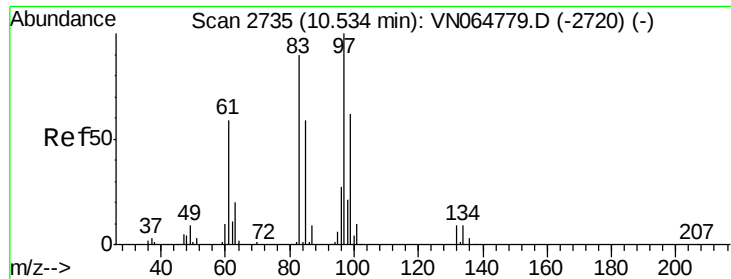
MMDadoda
12/10/2020 9:55:57 AM



#54
cis-1,3-Dichloropropene
Concen: 47.775 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 75 Resp: 171610
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
39 42.8 35.6 53.4





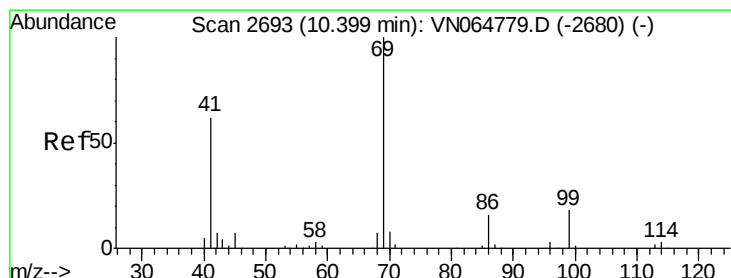
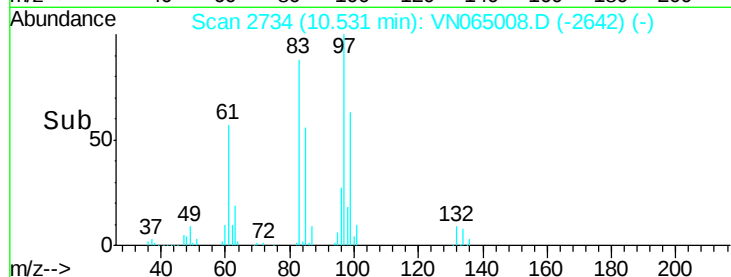
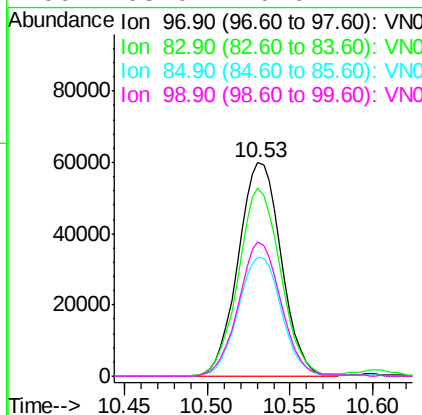
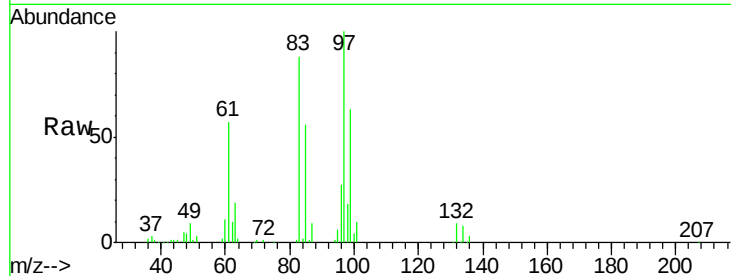
#55
 1,1,2-Trichloroethane
 Concen: 49.538 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	108428
Ion Ratio	Lower	Upper	
97	100		
83	88.0	72.1	108.1
85	55.7	46.8	70.2
99	63.0	49.6	74.4

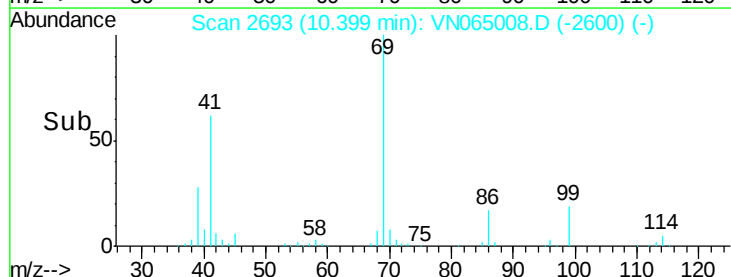
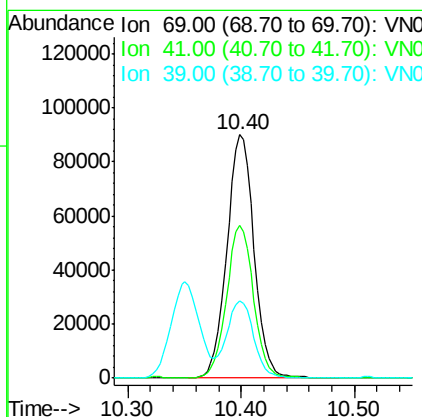
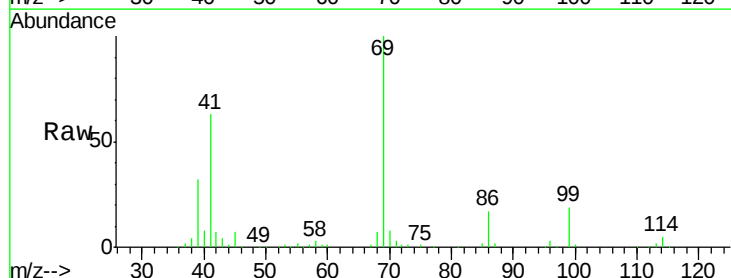
Manual Integrations
 APPROVED

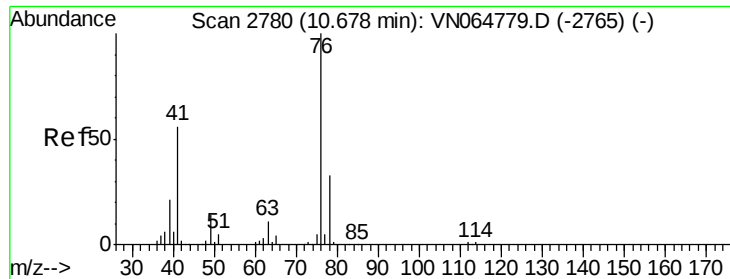
MMDadoda
 12/10/2020 9:55:57 AM



#56
 Ethyl methacrylate
 Concen: 49.796 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion	69	Resp	150405
Ion Ratio	Lower	Upper	
69	100		
41	61.6	49.4	74.0
39	31.2	25.9	38.9





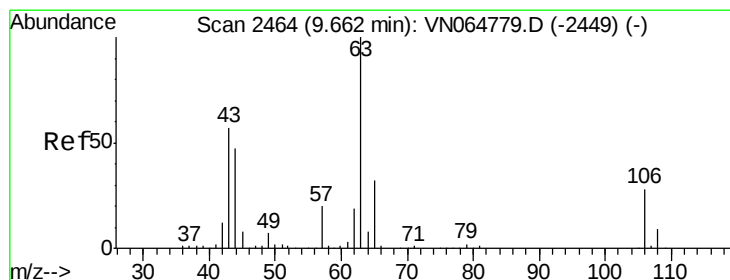
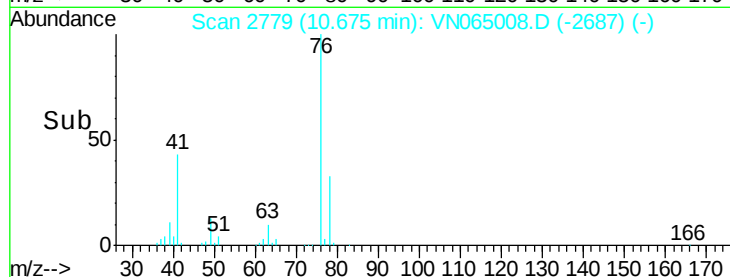
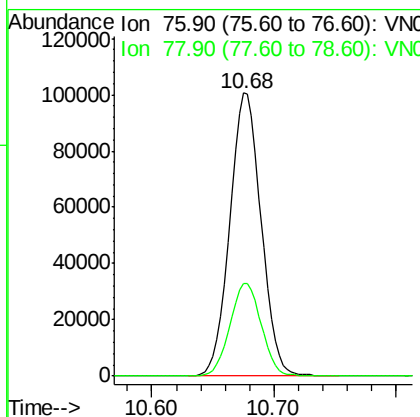
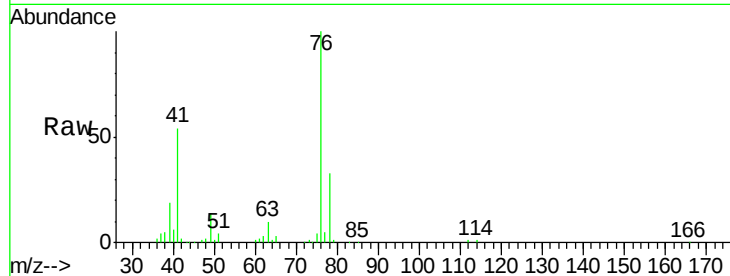
#57
 1,3-Dichloropropane
 Concen: 49.715 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 179499
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

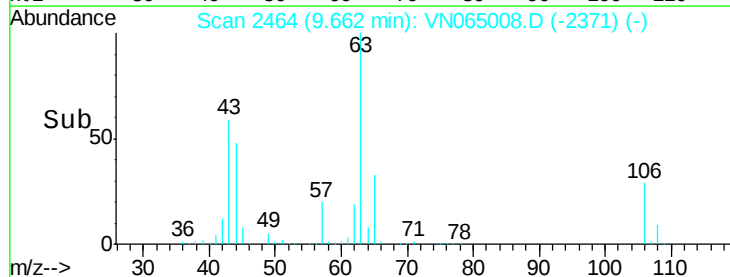
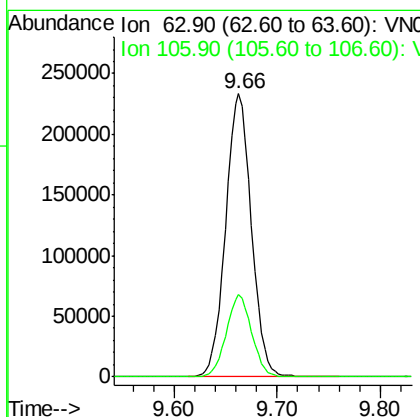
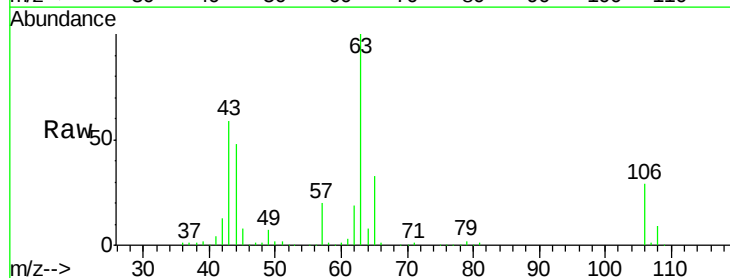
Manual Integrations
 APPROVED

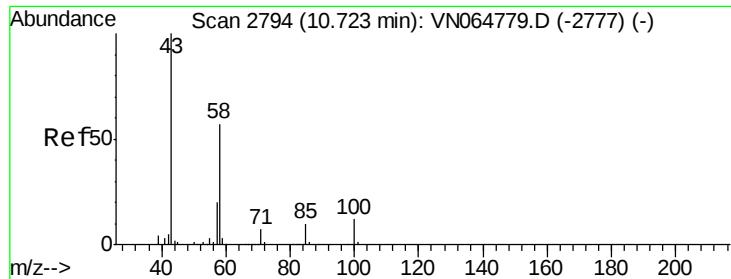
MMDadoda
 12/10/2020 9:55:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.061 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion: 63 Resp: 405497
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.7 34.1





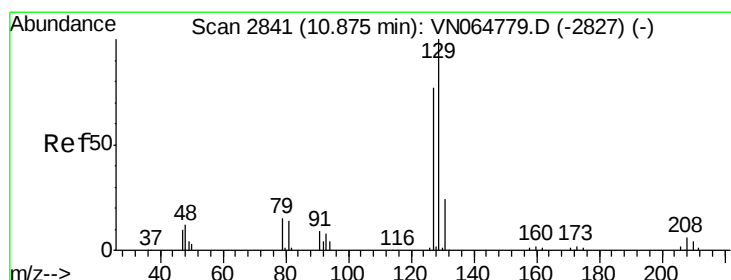
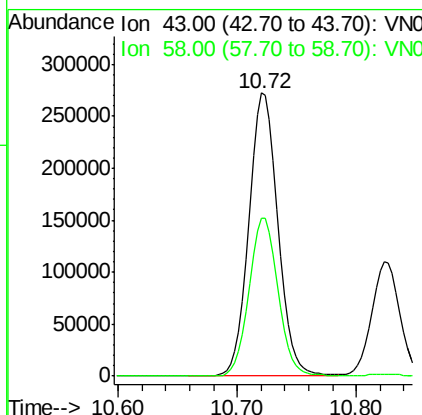
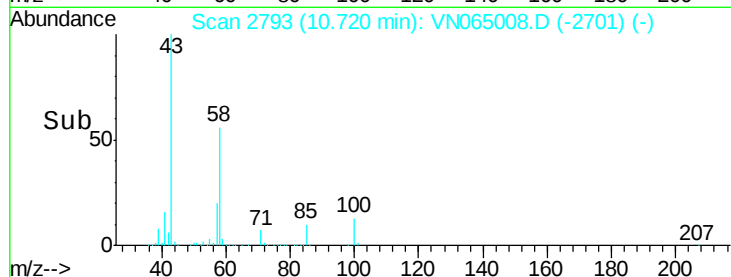
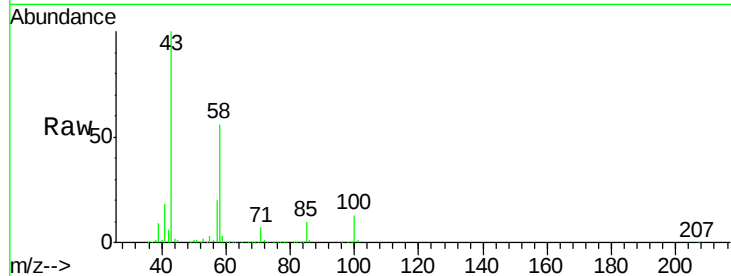
#59
2-Hexanone
Concen: 242.802 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 458635
Ion Ratio Lower Upper
43 100
58 56.2 28.3 84.9

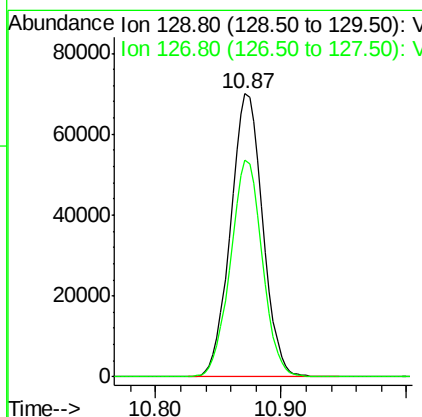
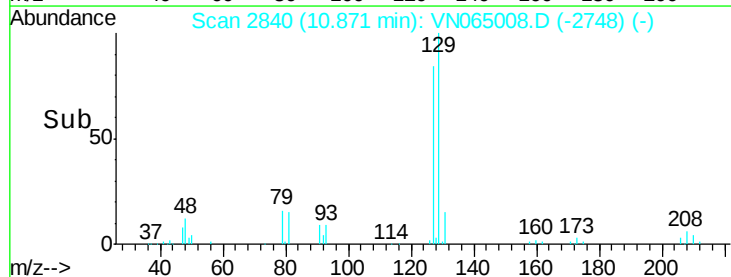
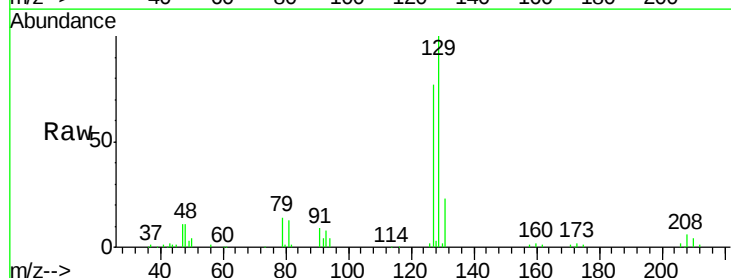
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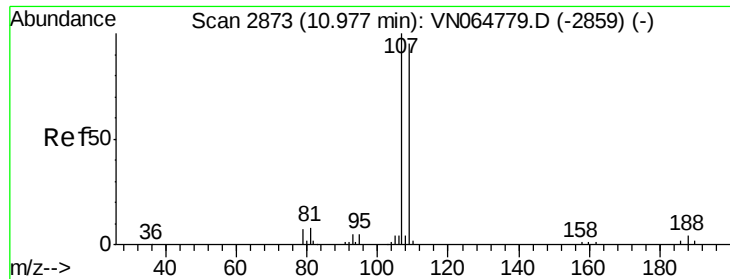
MMDadoda
12/10/2020 9:55:57 AM



#60
Dibromochloromethane
Concen: 51.188 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion:129 Resp: 124542
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.2





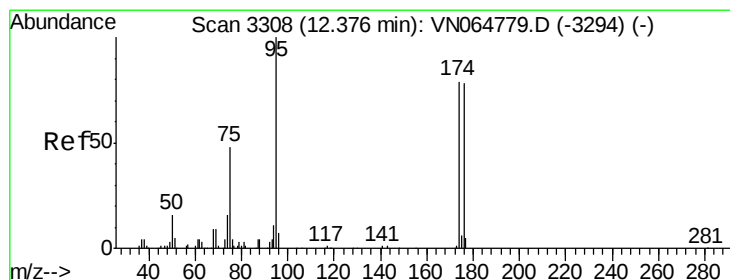
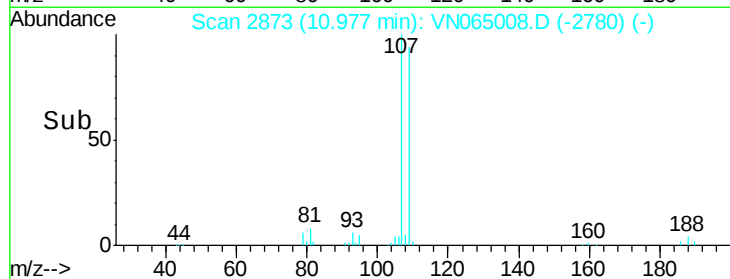
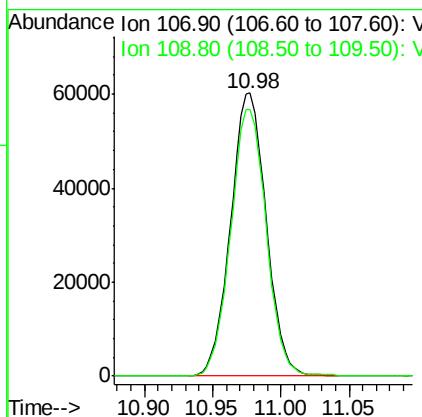
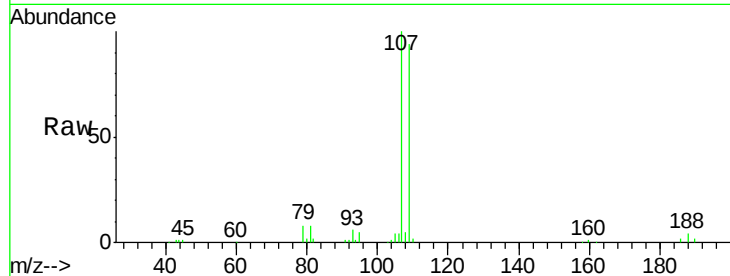
#61
 1,2-Dibromoethane
 Concen: 49.128 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	109248		
109	94.3	76.0	114.0	

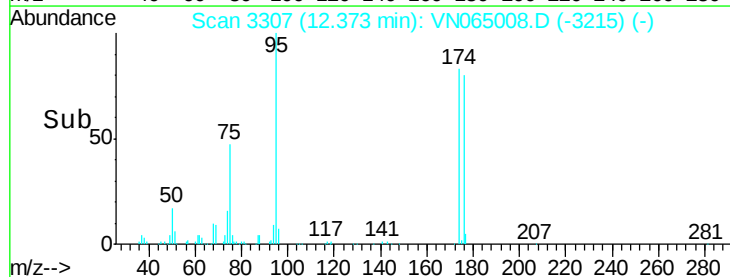
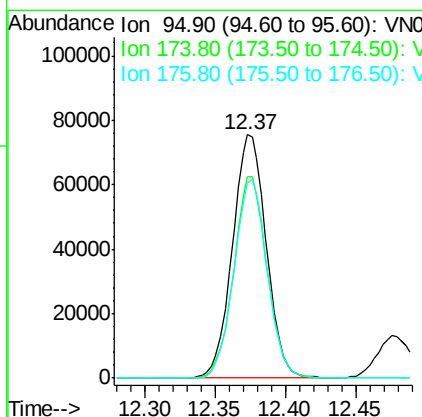
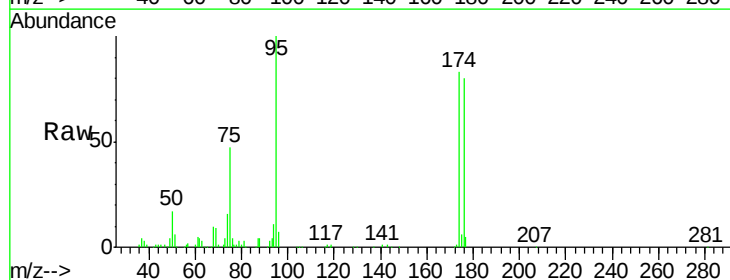
Manual Integrations
 APPROVED

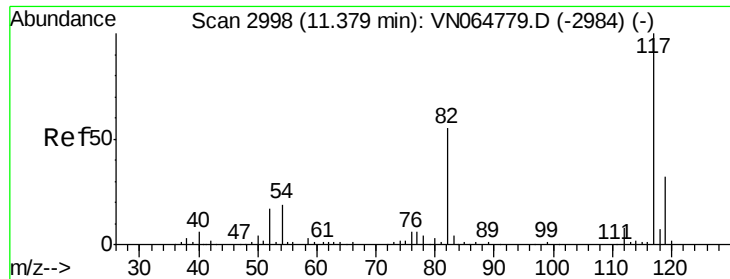
MMDadoda
 12/10/2020 9:55:57 AM



#62
 4-Bromofluorobenzene
 Concen: 47.554 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	126615		
174	81.6	0.0	160.4	
176	80.4	0.0	158.4	





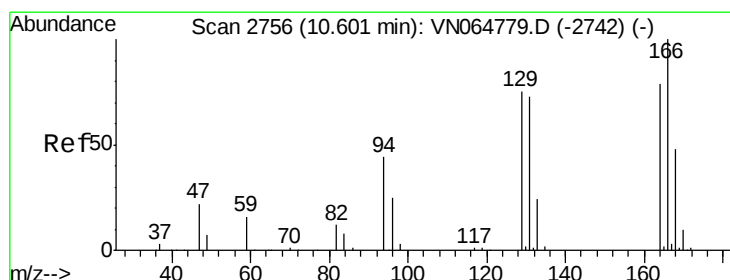
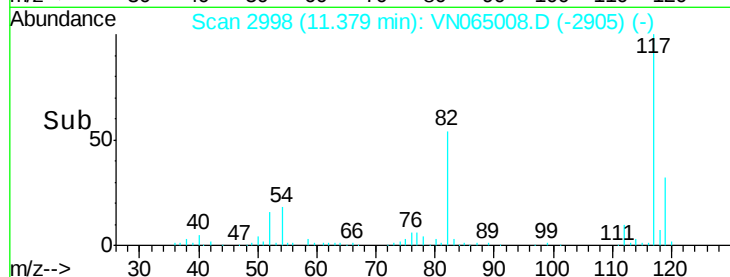
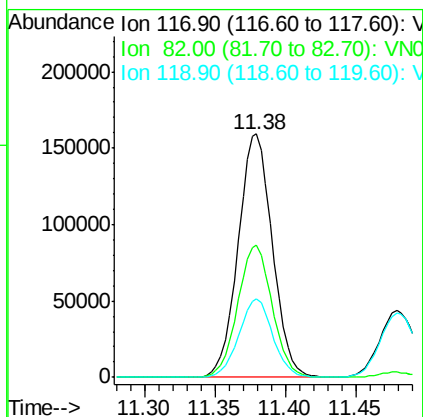
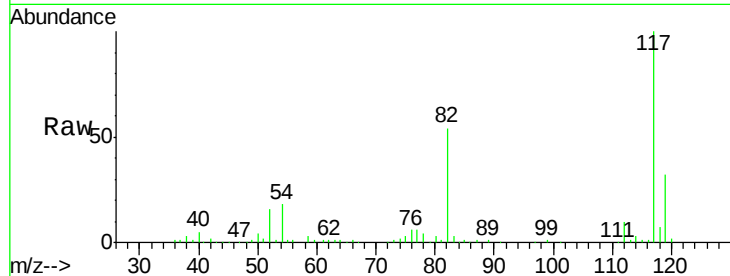
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	32.2	25.8	38.6

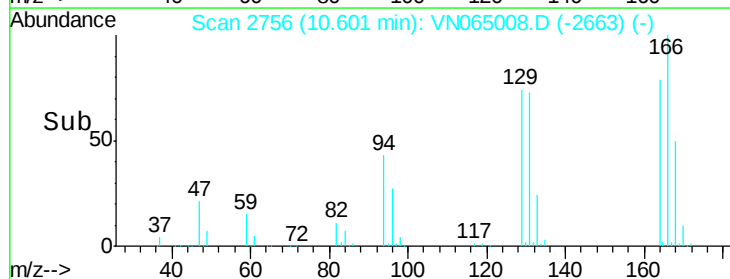
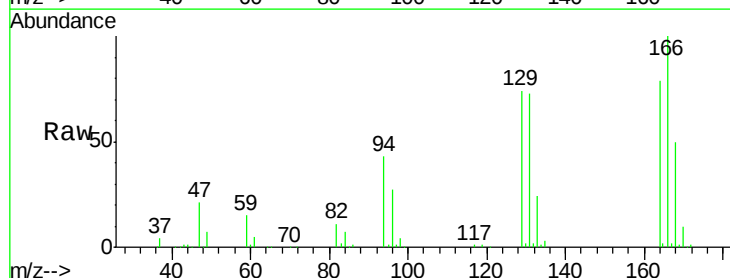
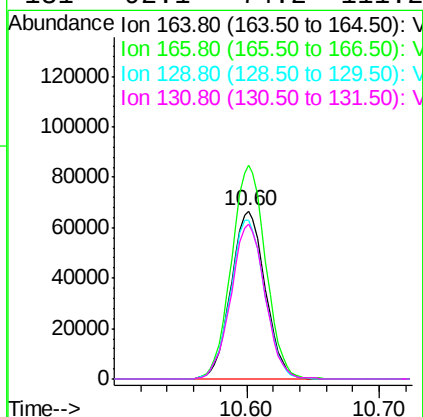
Manual Integrations
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#64
Tetrachloroethene
Concen: 45.084 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.4	152.0
129	94.2	76.1	114.1
131	92.1	74.2	111.2





#65

Chlorobenzene

Concen: 49.379 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 287154

Ion Ratio Lower Upper

112 100

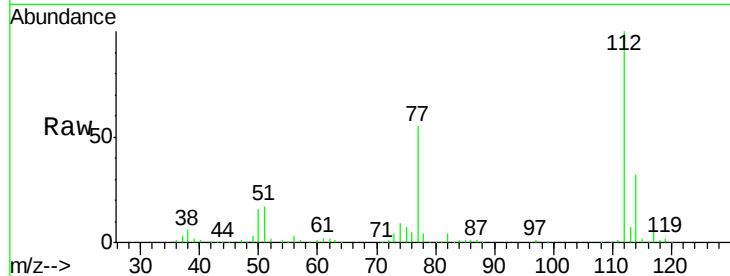
114 32.0 25.1 37.7

Manual Integrations

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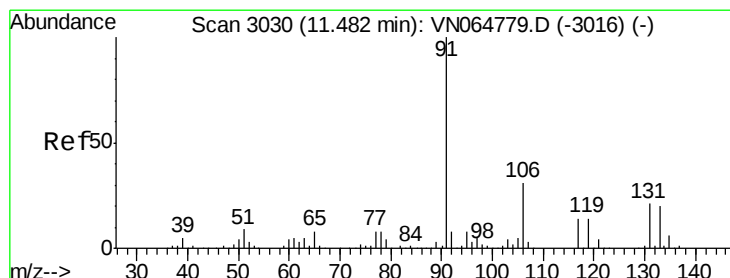
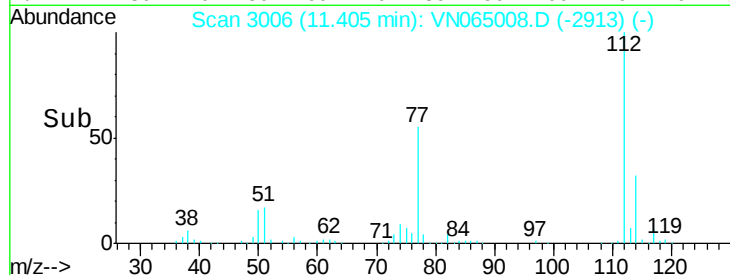
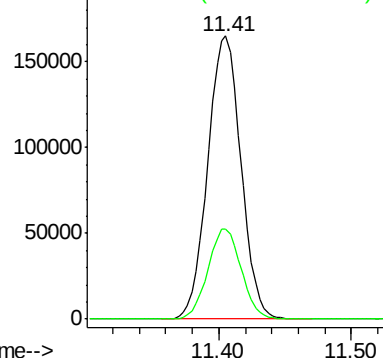
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.213 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

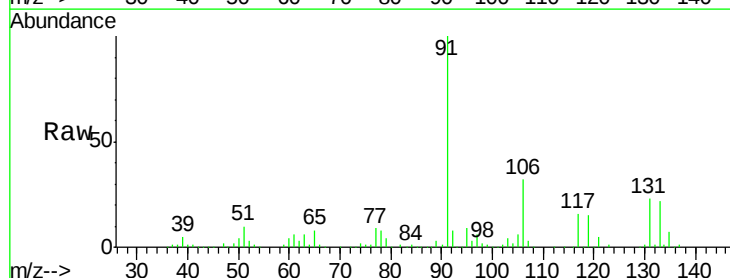
Tgt Ion:131 Resp: 113724

Ion Ratio Lower Upper

131 100

133 94.8 47.5 142.5

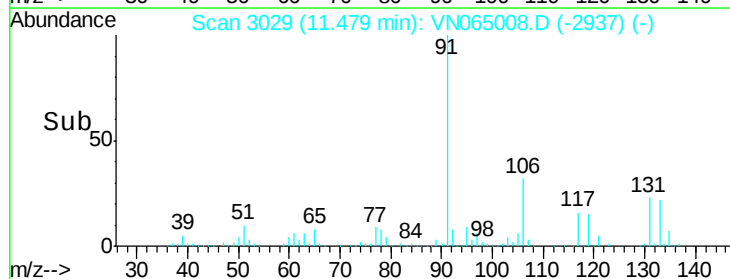
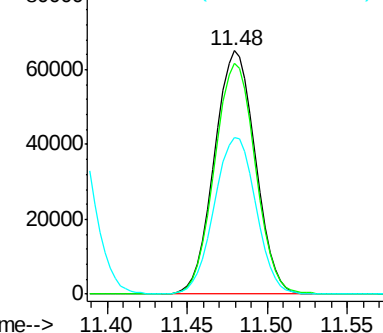
119 65.6 33.3 99.8



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





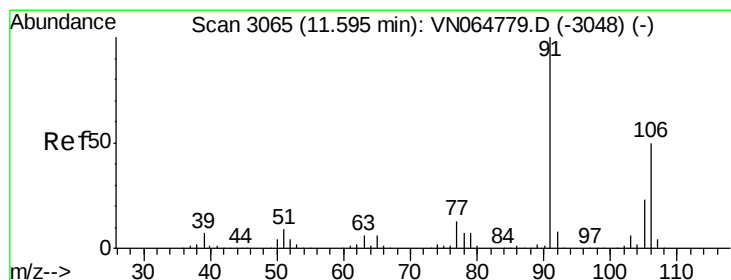
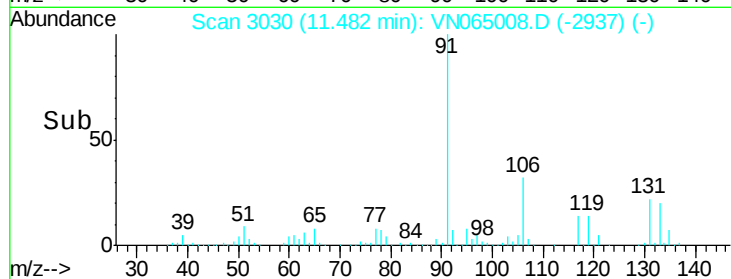
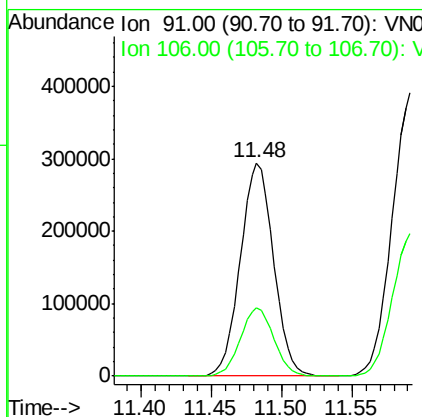
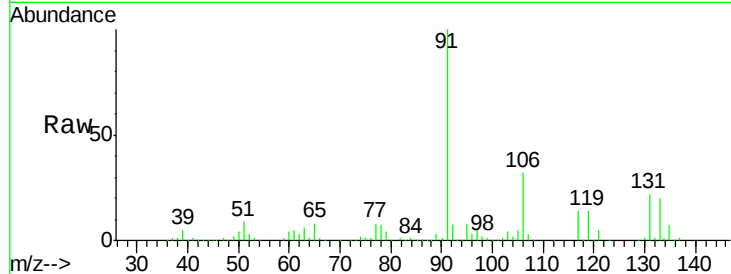
#67
Ethyl Benzene
Concen: 50.116 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 486872
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8

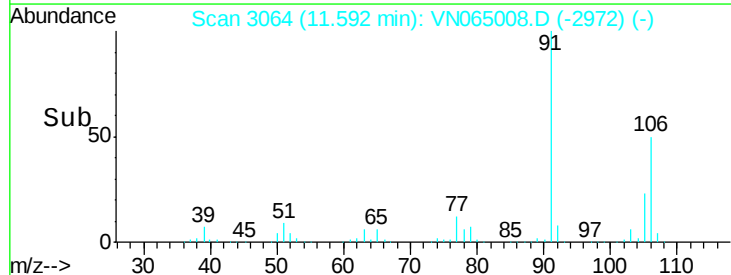
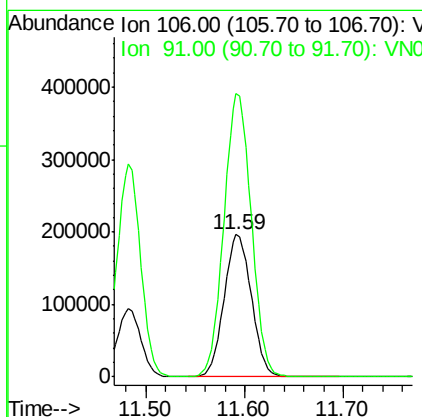
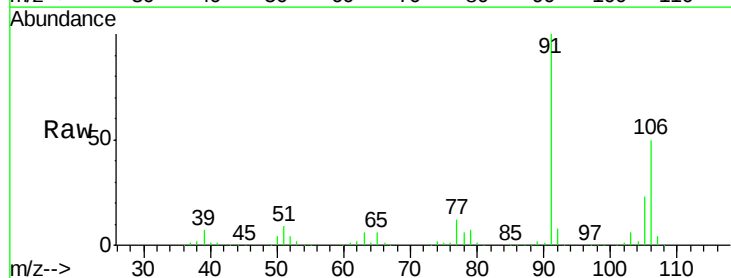
Manual Integrations
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12/10/2020 9:55:57 AM



#68
m/p-Xylenes
Concen: 103.713 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 106 Resp: 381471
Ion Ratio Lower Upper
106 100
91 198.8 161.0 241.4





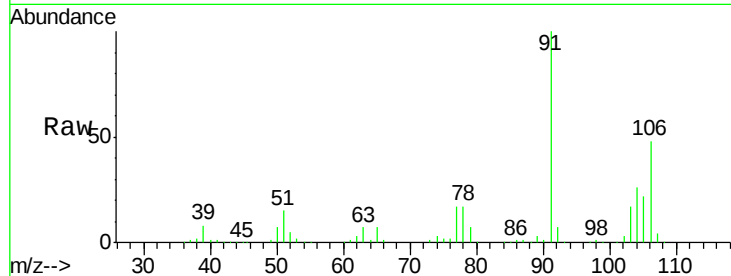
#69
o-Xylene
Concen: 52.422 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

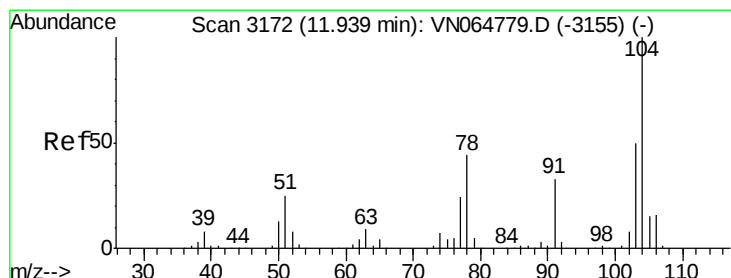
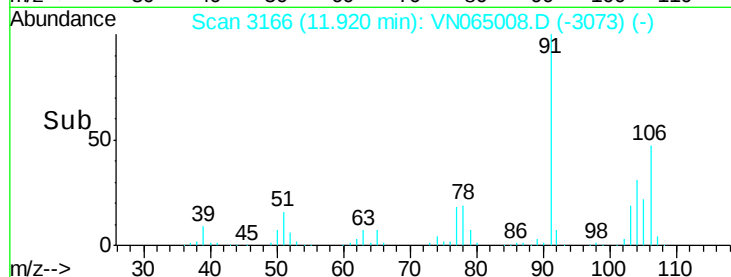
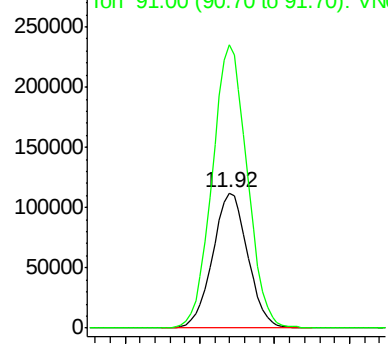
Tot Ion:106 Resp: 182971
Ion Ratio Lower Upper
106 100
91 209.1 105.5 316.5

Manual Integrations
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12/10/2020 9:55:57 AM

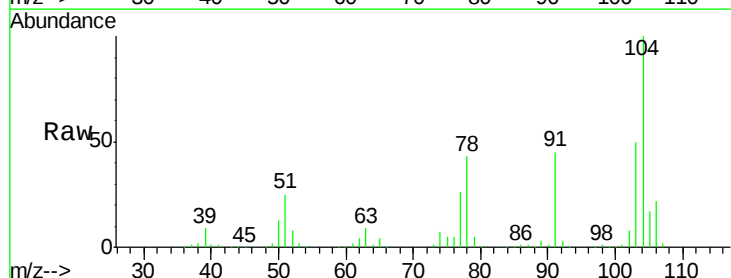


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

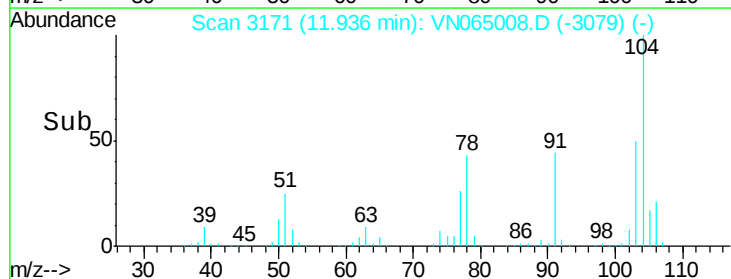
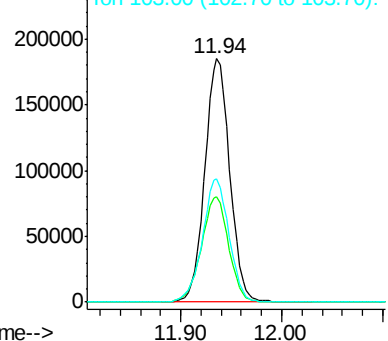


#70
Styrene
Concen: 54.042 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion:104 Resp: 318432
Ion Ratio Lower Upper
104 100
78 47.3 39.0 58.6
103 54.0 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.952 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 86972

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

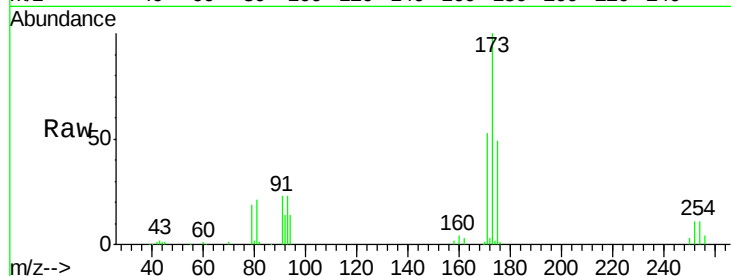
254 0.0 0.0 0.0

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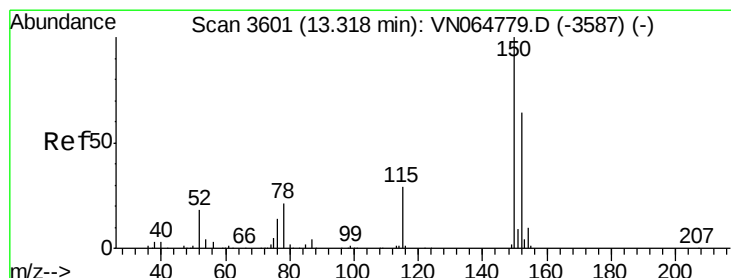
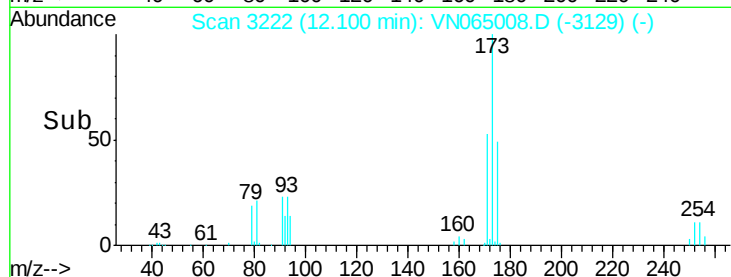
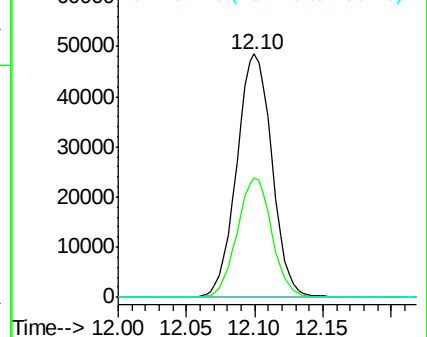
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3600

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

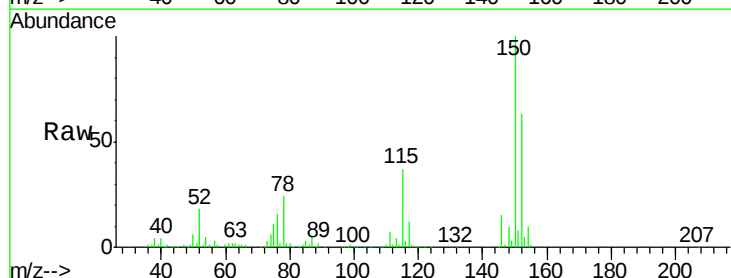
Tgt Ion:152 Resp: 135422

Ion Ratio Lower Upper

152 100

115 58.1 29.7 89.1

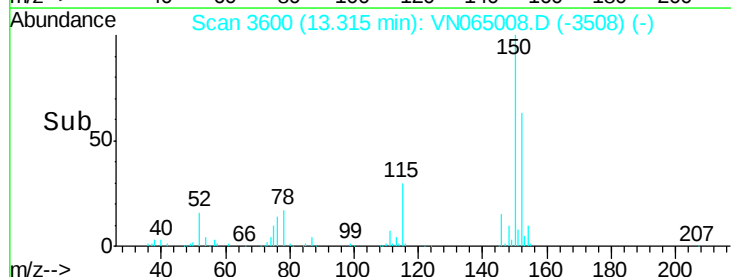
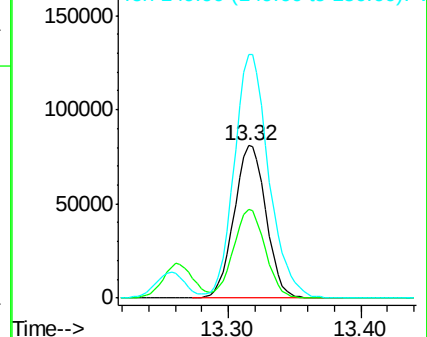
150 172.2 0.0 350.6

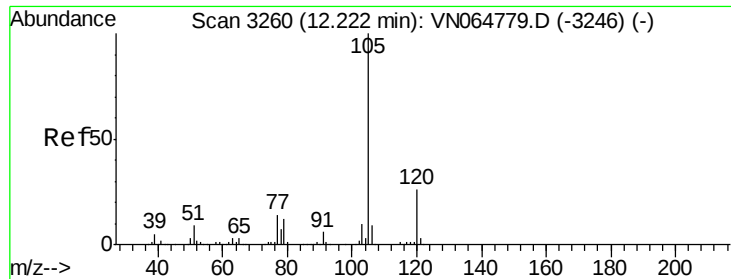


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.785 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 478369

Ion Ratio Lower Upper

105 100

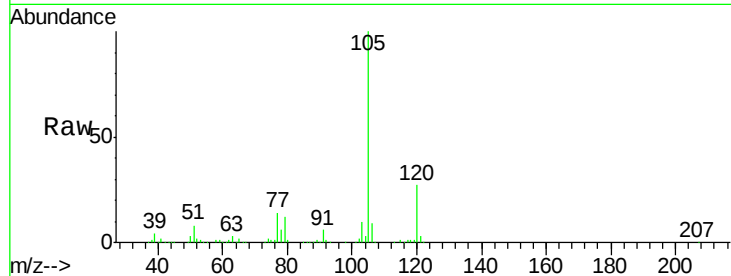
120 26.9 13.3 39.9

Manual Integrations

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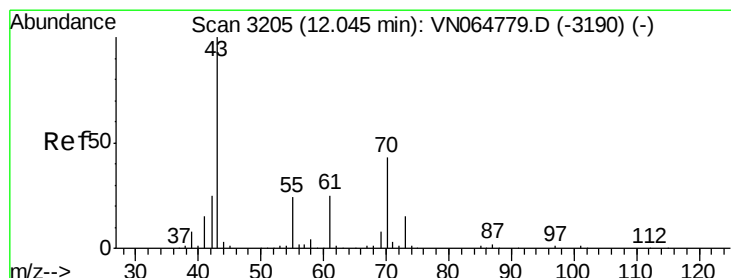
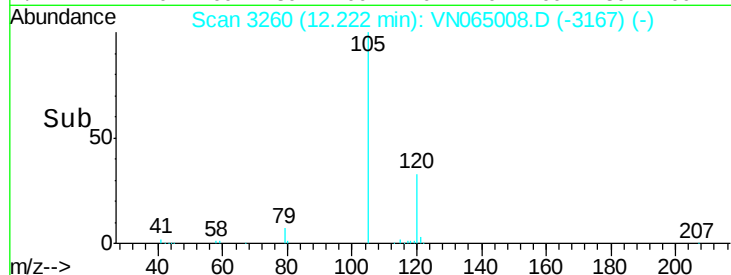
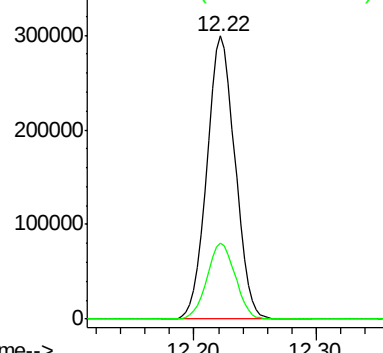
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.073 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Tgt Ion: 43 Resp: 178205

Ion Ratio Lower Upper

43 100

70 44.4 34.5 51.7

55 26.6 20.4 30.6

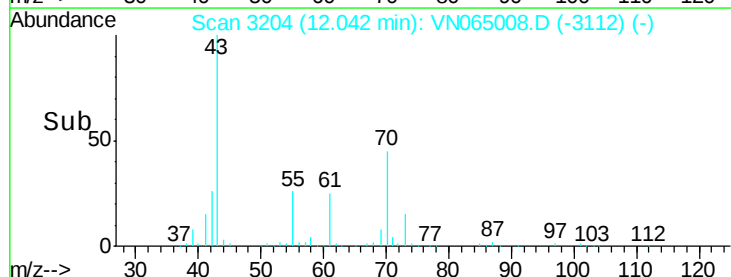
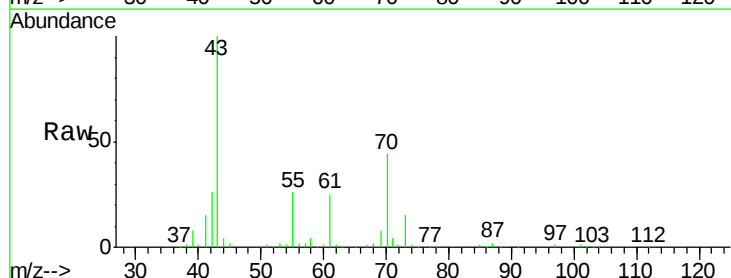
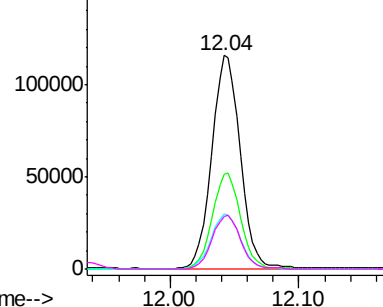
61 25.1 20.0 30.0

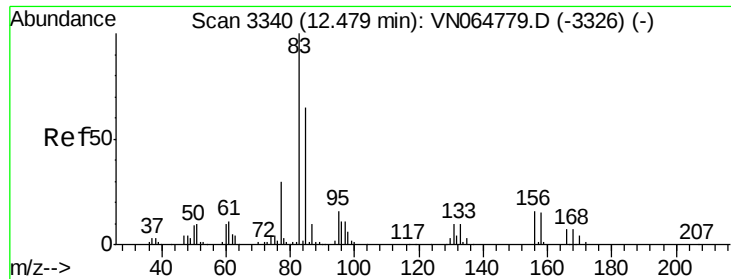
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.639 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

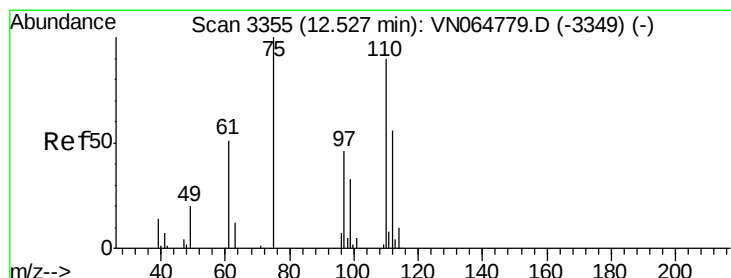
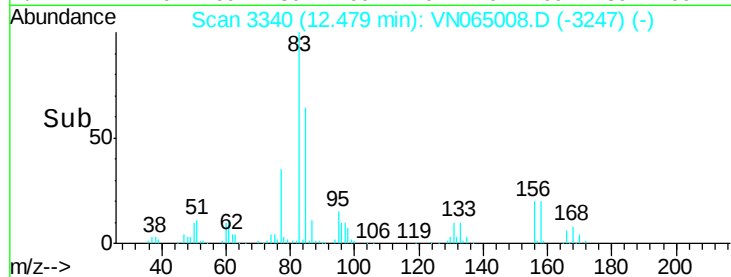
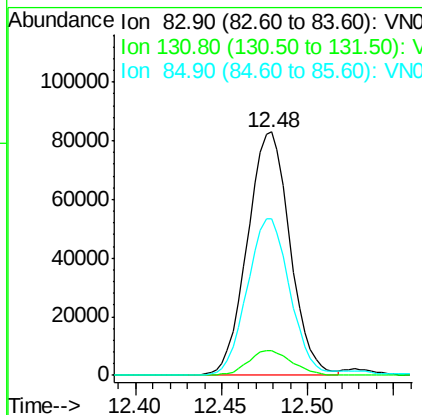
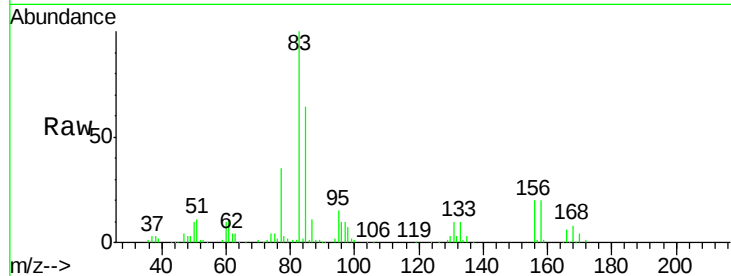
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	142571
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.6	33.0	99.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.135 ug/l m

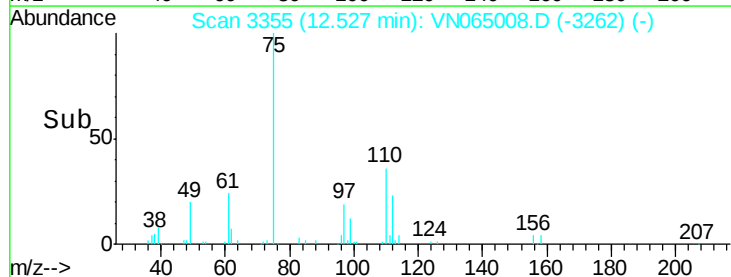
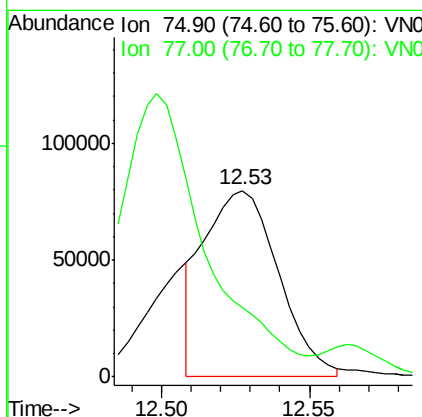
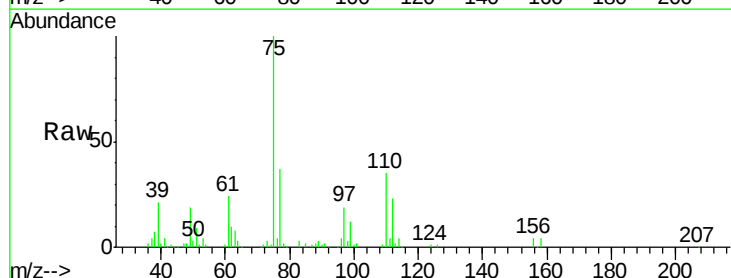
RT: 12.53 min Scan# 3355

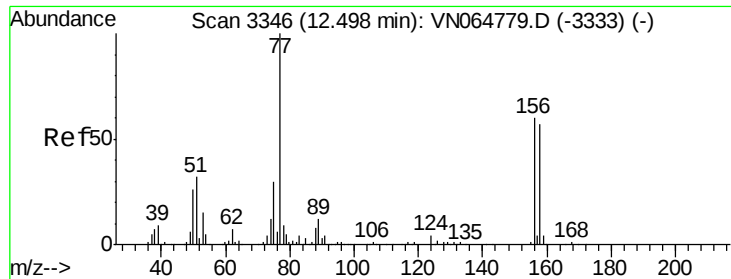
Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Tgt Ion:	75	Resp:	140383
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.139 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 124788

Ion Ratio Lower Upper

156 100

77 198.4 101.3 303.7

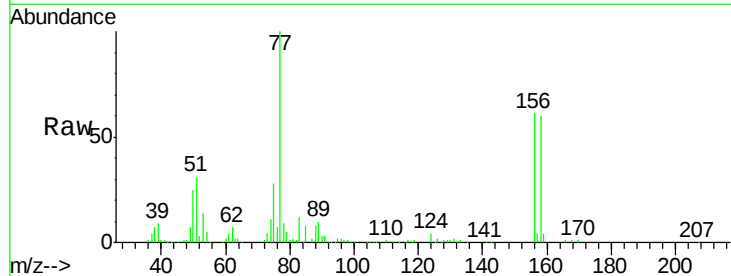
158 97.5 48.2 144.6

Manual Integrations

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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

150000

100000

50000

0

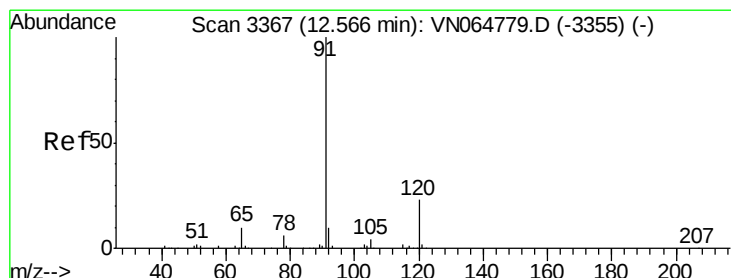
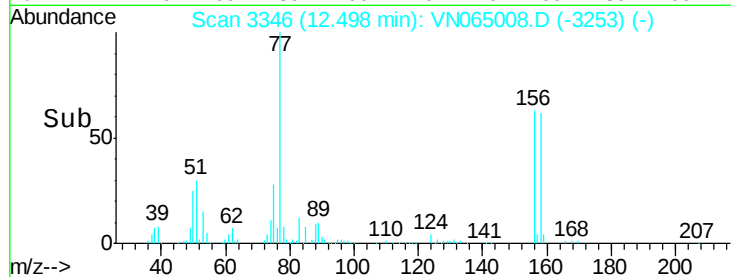
12.50

12.40

12.50

12.60

Time-->



#78

n-propylbenzene

Concen: 49.312 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN065008.D

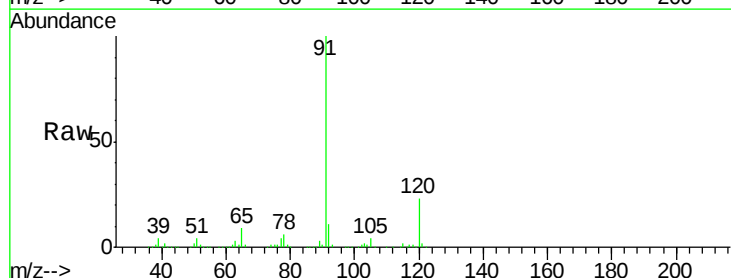
Acq: 9 Dec 2020 7:52

Tgt Ion: 91 Resp: 529159

Ion Ratio Lower Upper

91 100

120 23.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

0

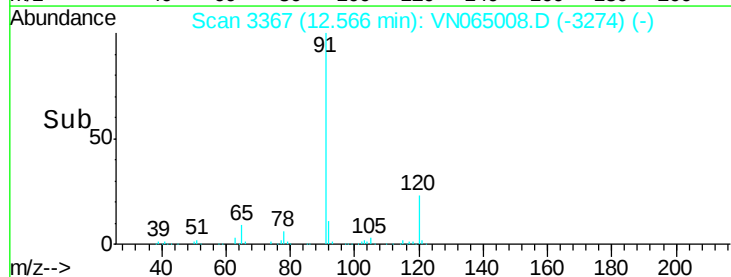
12.57

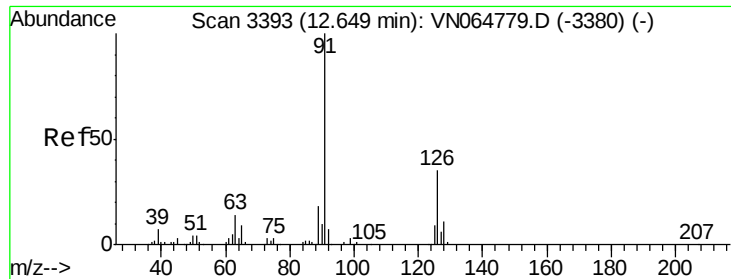
12.50

12.55

12.60

Time-->





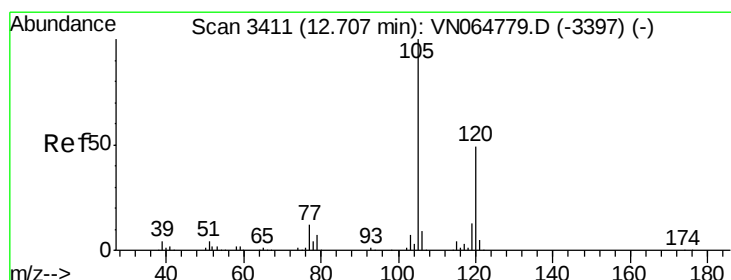
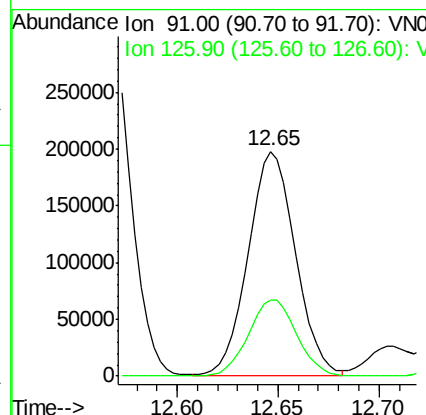
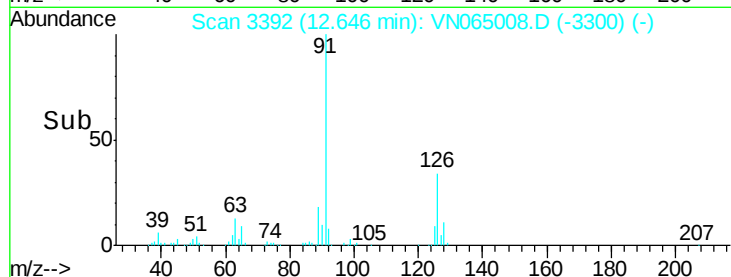
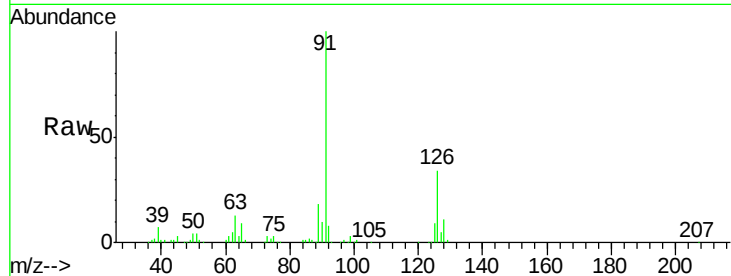
#79
2-Chlorotoluene
Concen: 48.607 ug/l
RT: 12.65 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 322416
Ion Ratio Lower Upper
91 100
126 35.0 17.2 51.6

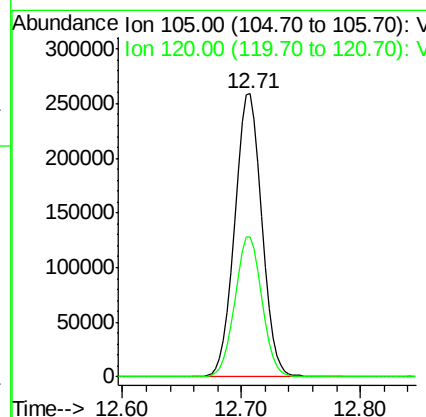
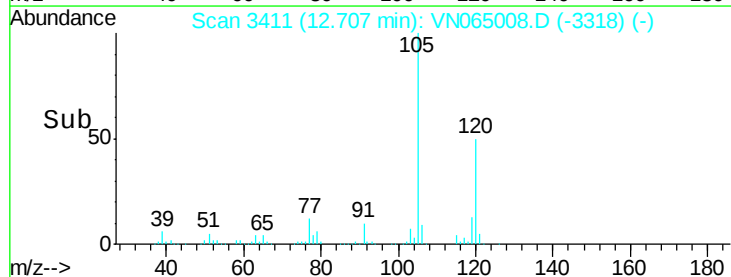
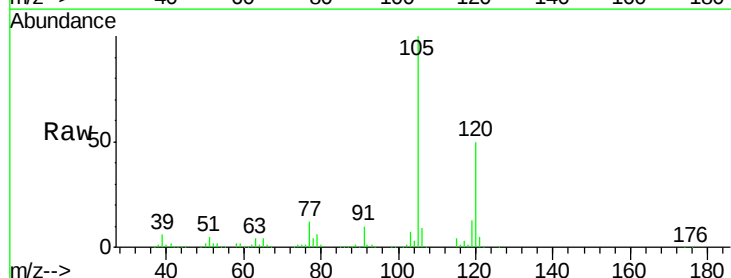
Manual Integrations
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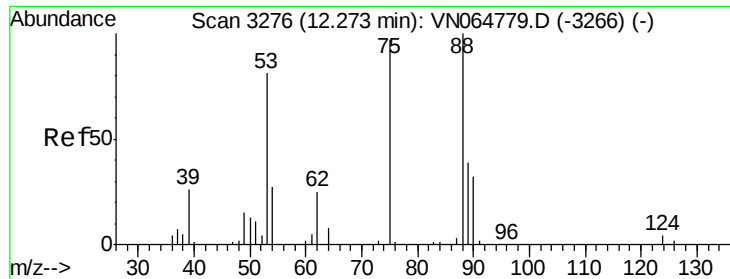
MMDadoda
12/10/2020 9:55:57 AM



#80
1,3,5-Trimethylbenzene
Concen: 52.359 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 105 Resp: 409946
Ion Ratio Lower Upper
105 100
120 49.3 24.6 73.6





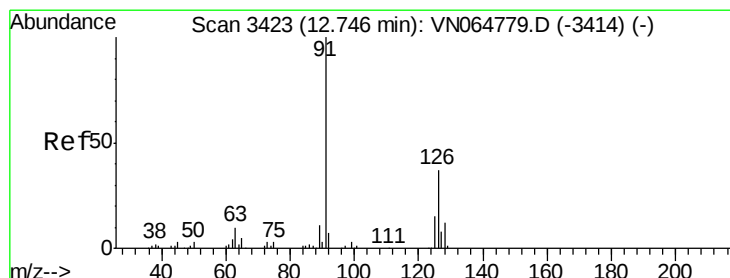
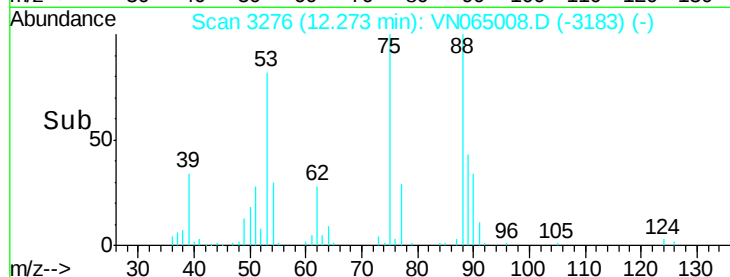
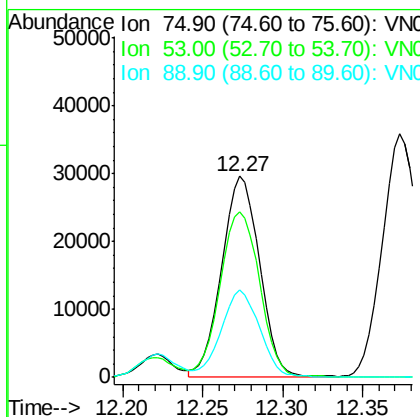
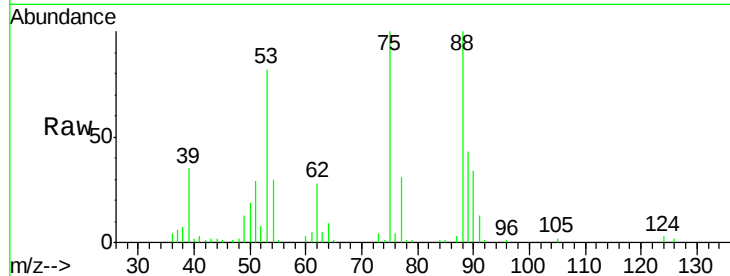
#81
trans-1,4-Dichloro-2-butene
Concen: 45.372 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.9	67.0	100.4
89	43.7	39.6	59.4

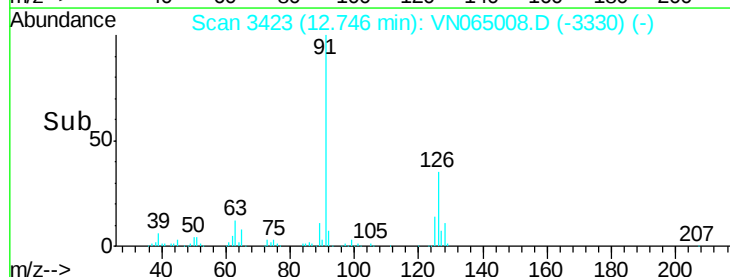
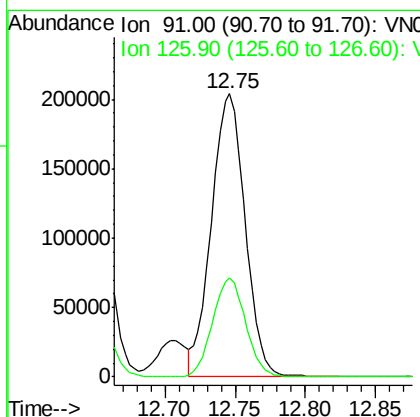
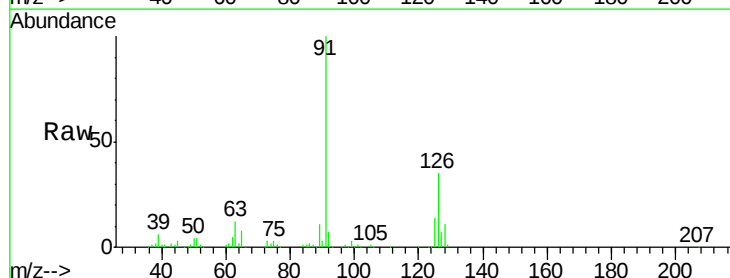
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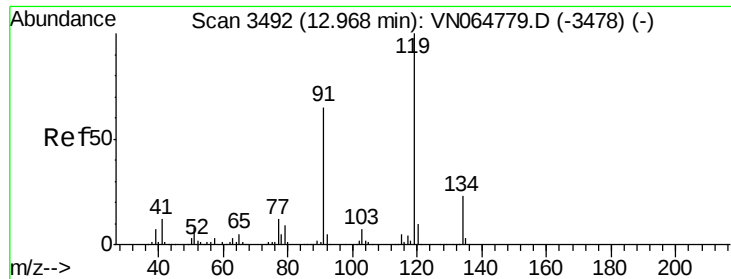
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.441 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.9	50.7





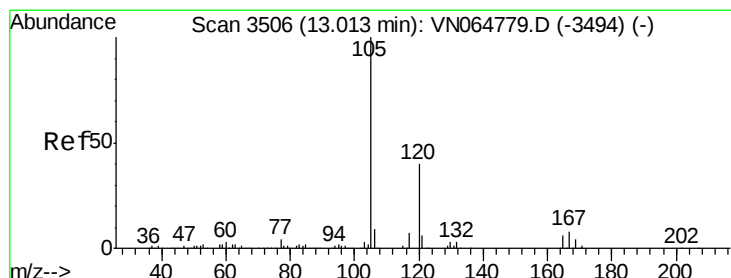
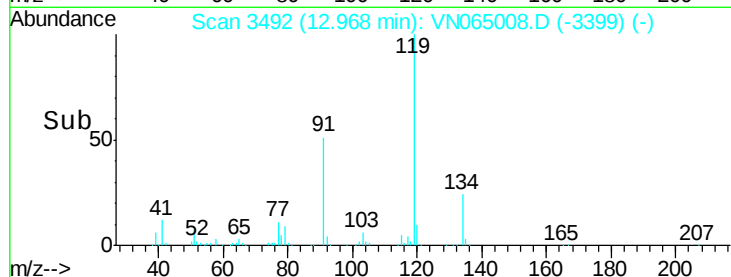
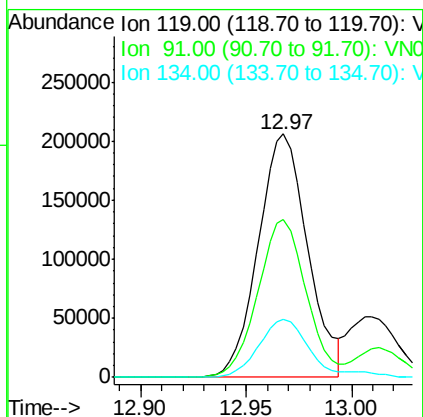
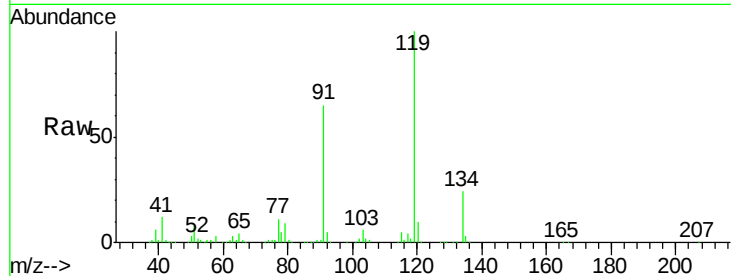
#83
tert-Butylbenzene
Concen: 51.184 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	335899		
91	63.1	32.3	96.8	
134	23.6	12.6	37.6	

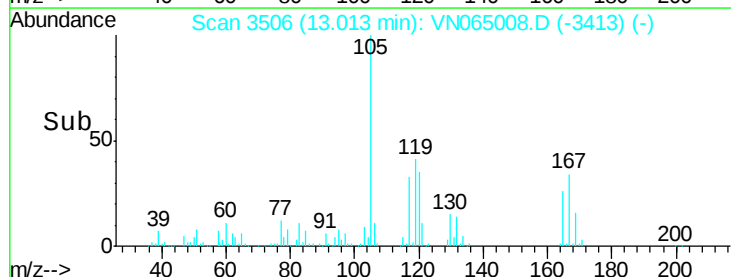
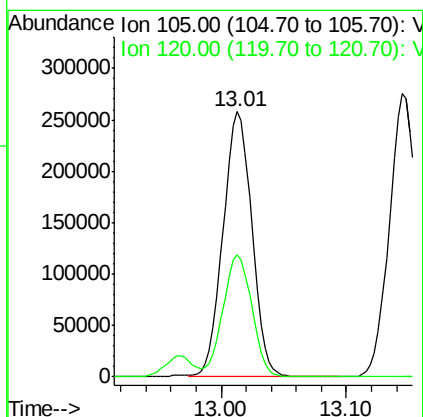
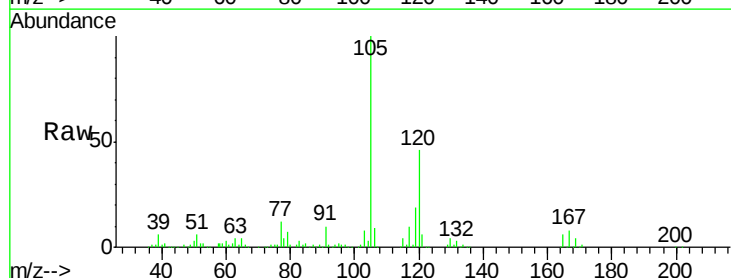
Manual Integrations
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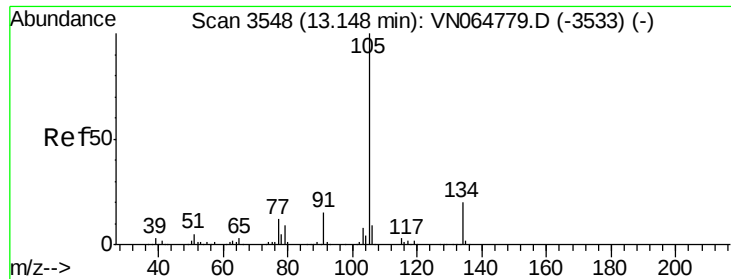
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.893 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	410790		
120	46.0	23.1	69.2	





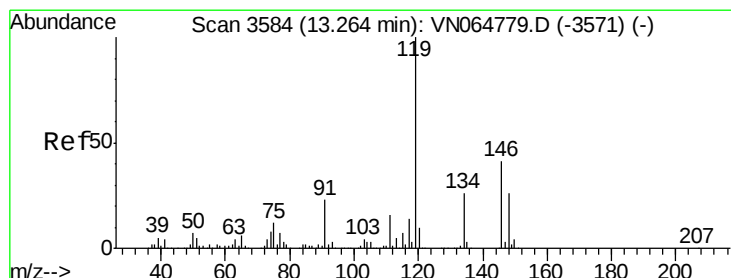
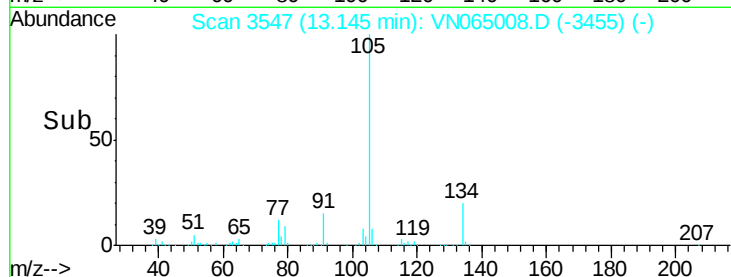
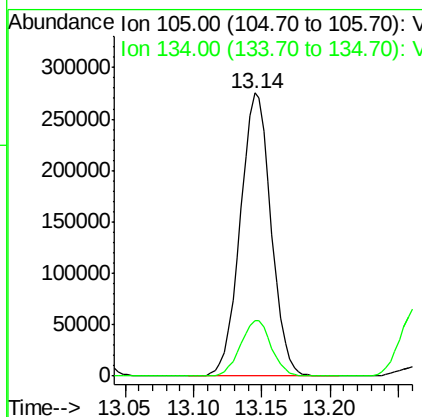
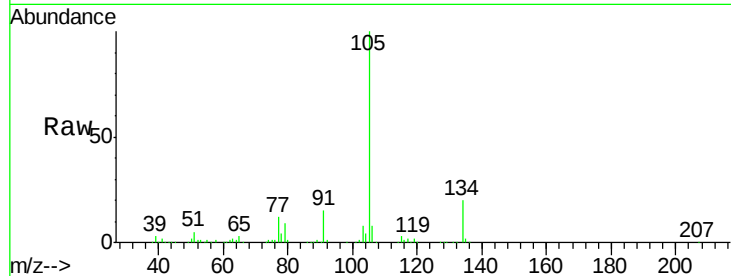
#85
 sec-Butylbenzene
 Concen: 49.223 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.1	30.1

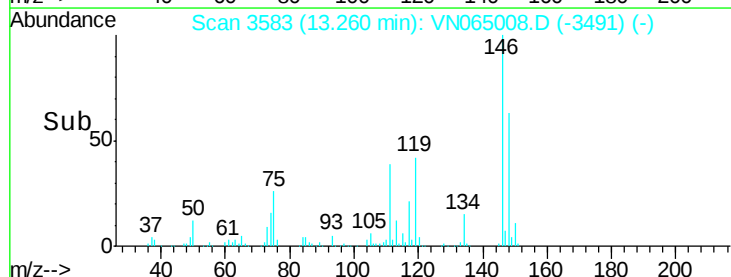
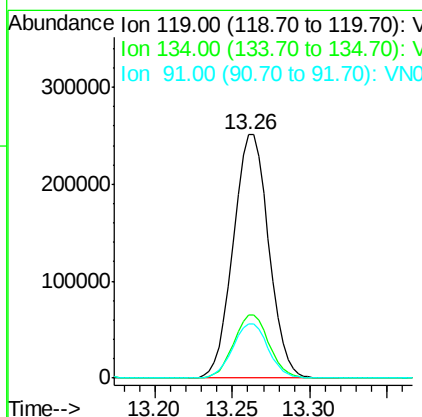
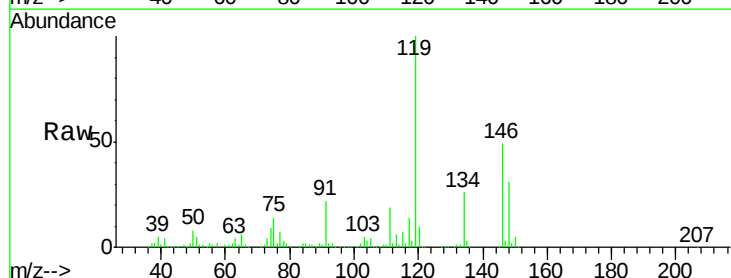
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 50.278 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	22.2	11.5	34.5





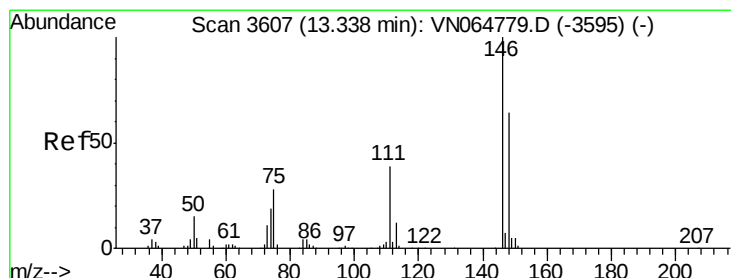
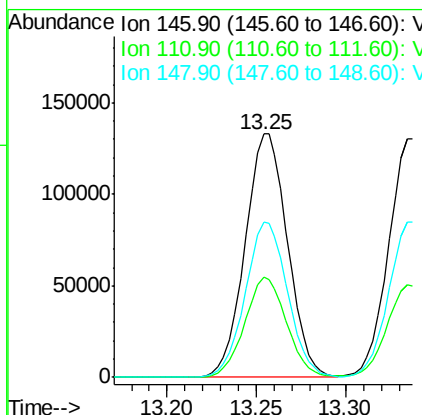
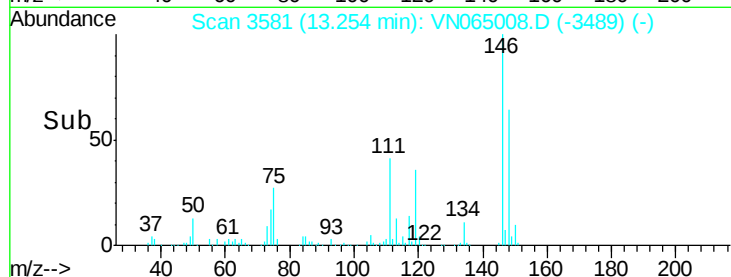
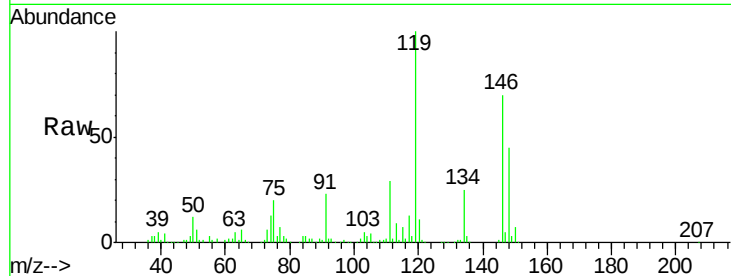
#87
 1,3-Dichlorobenzene
 Concen: 49.079 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	63.5	31.9	95.5

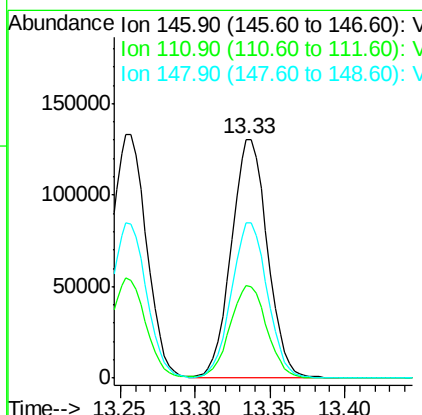
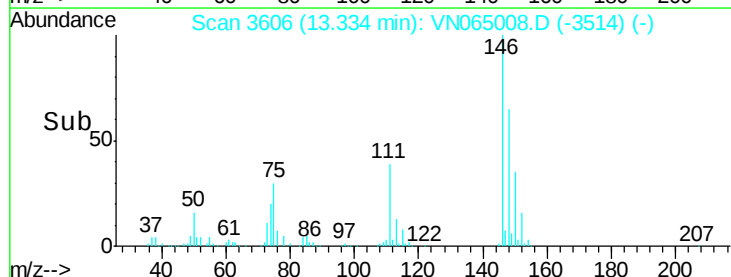
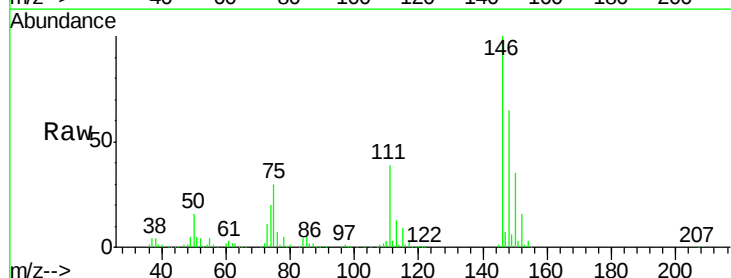
Manual Integrations
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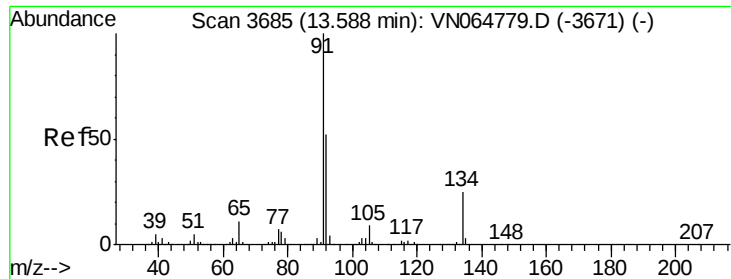
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#88
 1,4-Dichlorobenzene
 Concen: 45.791 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	65.4	31.9	95.5





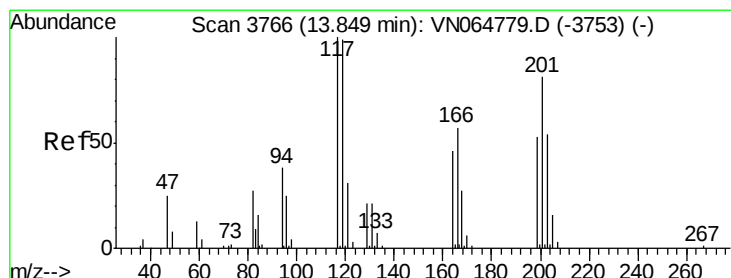
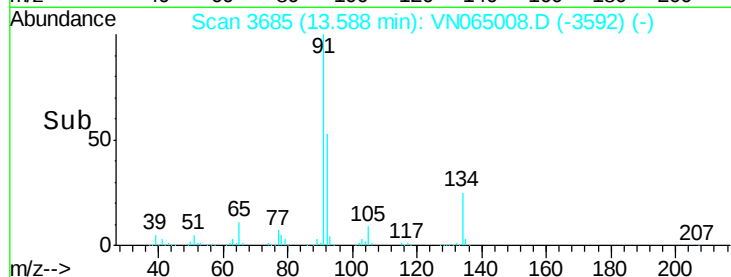
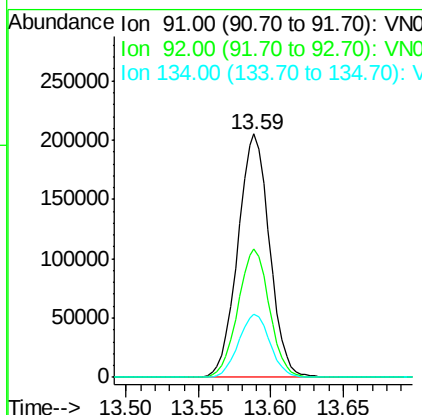
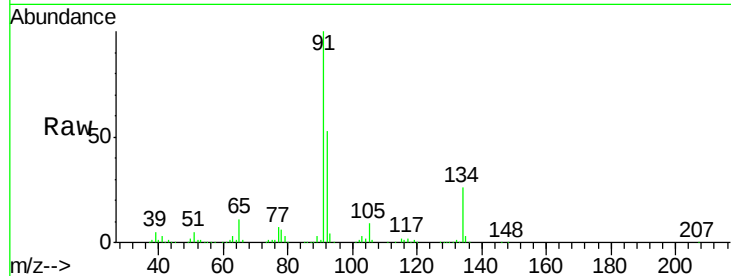
#89
n-Butylbenzene
Concen: 44.796 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	25.9	12.9	38.6

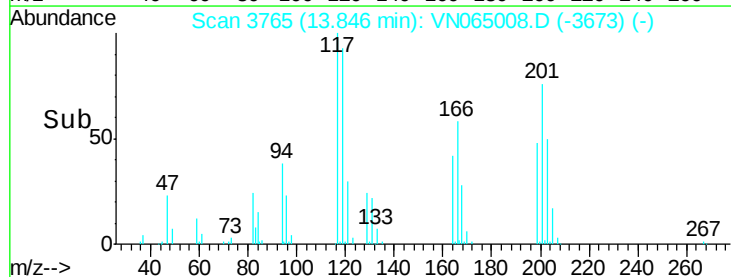
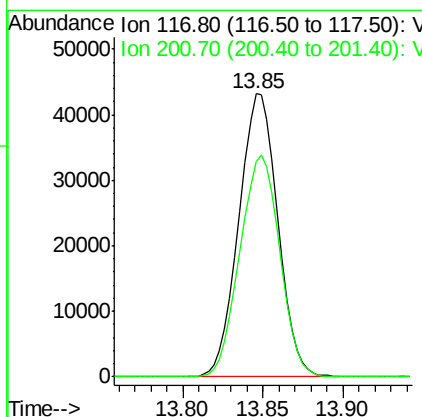
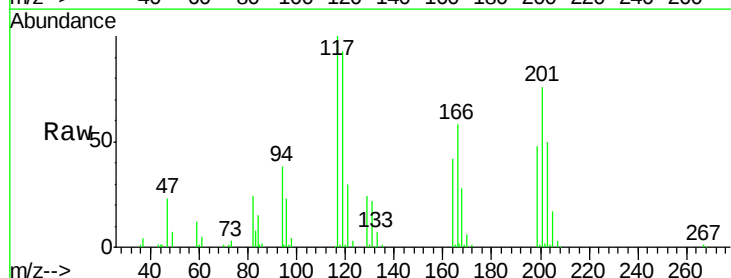
Manual Integrations
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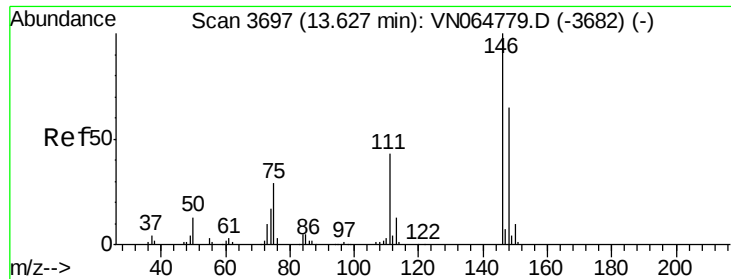
MMDadoda
12/10/2020 9:55:57 AM



#90
Hexachloroethane
Concen: 52.112 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	40.1	120.3





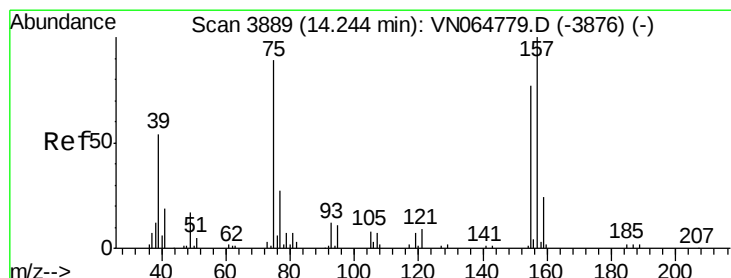
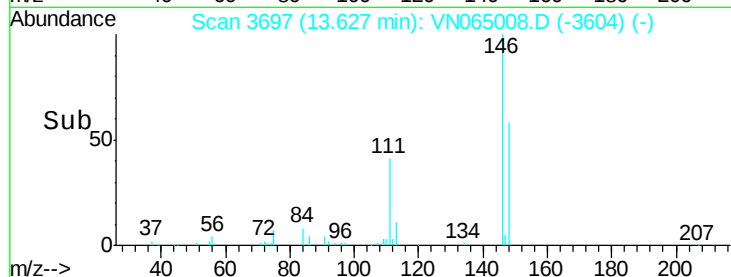
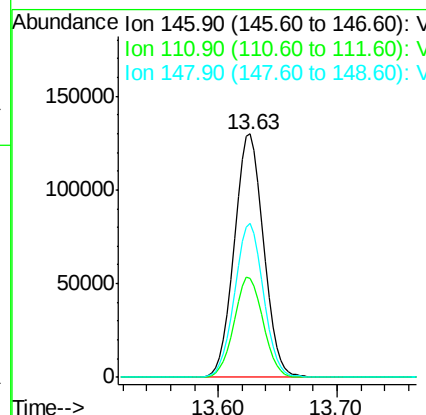
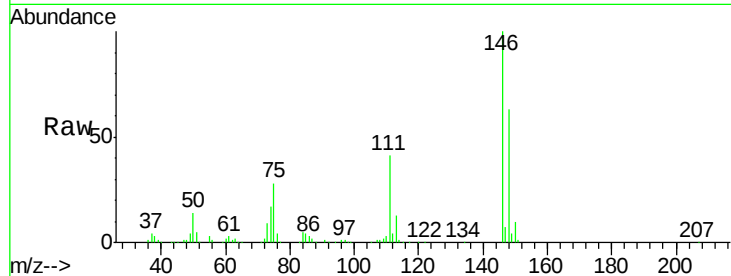
#91
 1,2-Dichlorobenzene
 Concen: 50.122 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.1
148	62.4	32.0	96.2

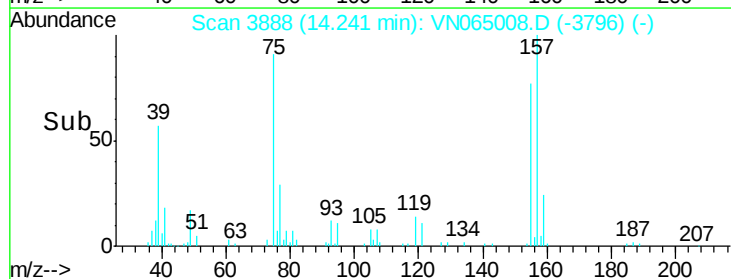
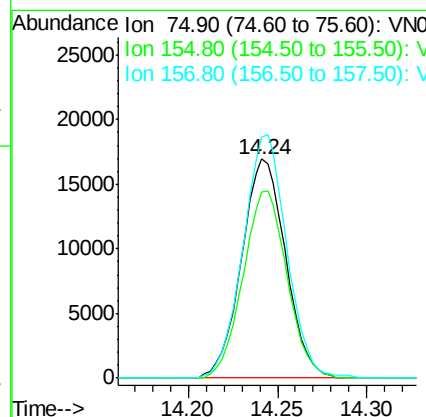
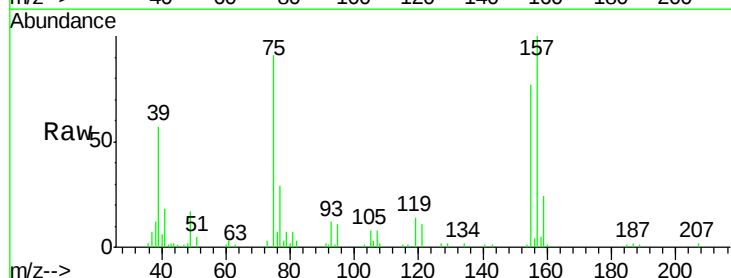
Manual Integrations
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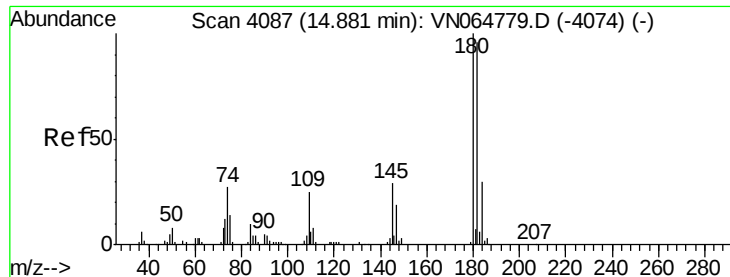
MMDadoda
 12/10/2020 9:55:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.060 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.8	128.3
157	110.3	56.4	169.1





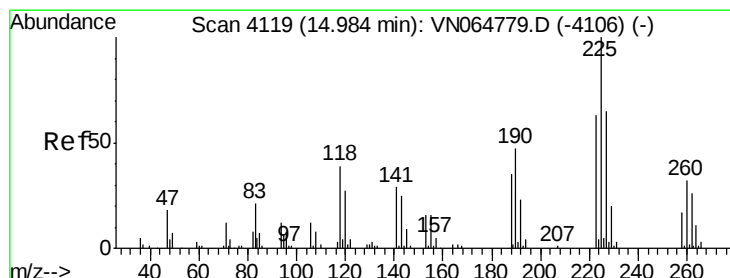
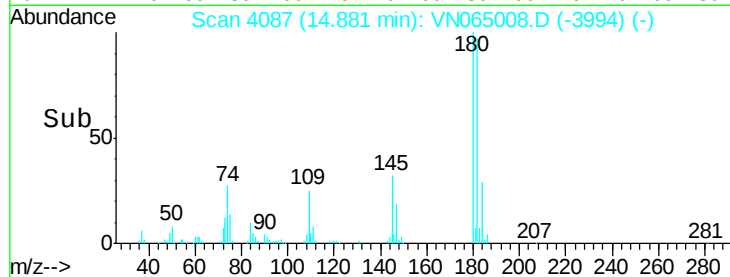
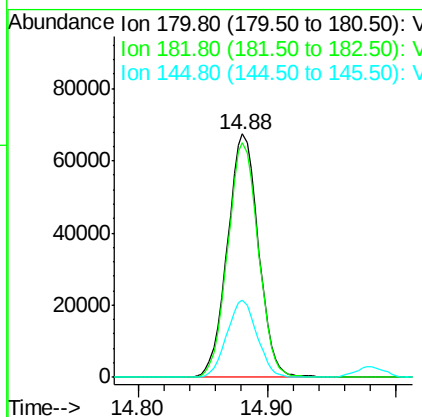
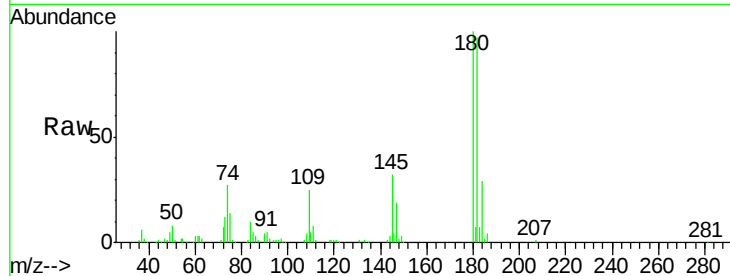
#93
 1,2,4-Trichlorobenzene
 Concen: 41.060 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.6	142.9	
145	30.8	15.3	45.8	

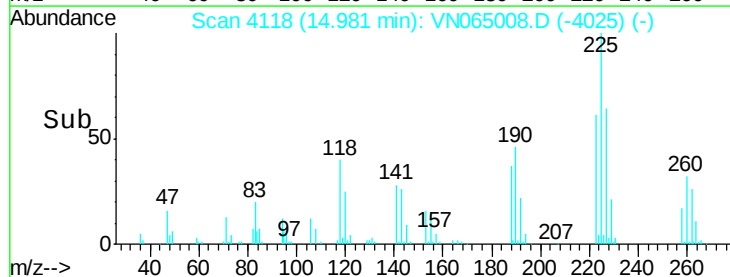
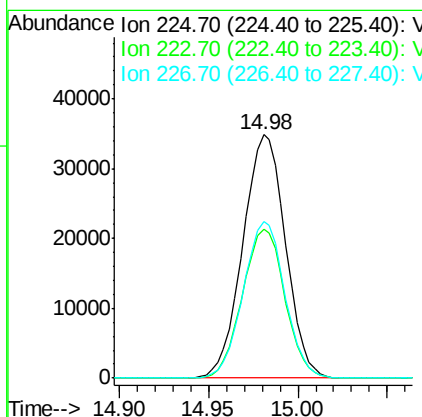
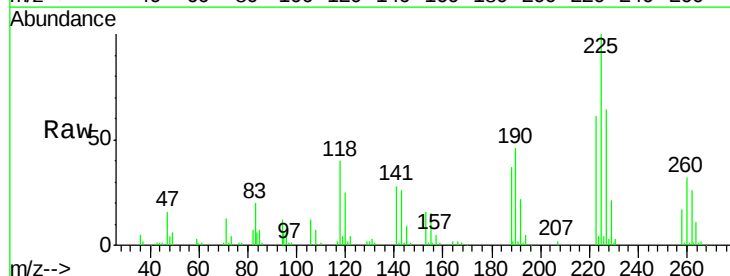
Manual Integrations
 APPROVED

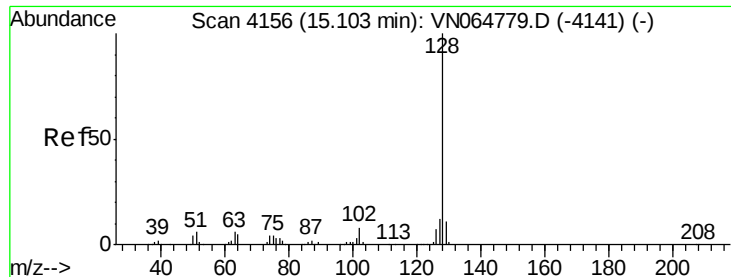
MMDadoda
 12/10/2020 9:55:57 AM



#94
 Hexachlorobutadiene
 Concen: 47.135 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.9	31.0	93.0	
227	62.6	32.0	96.0	





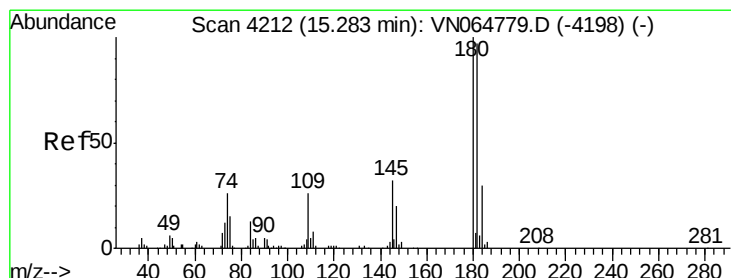
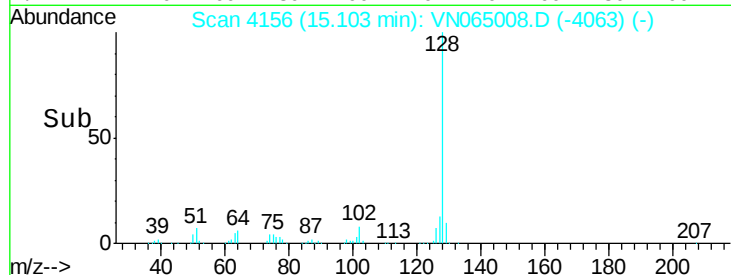
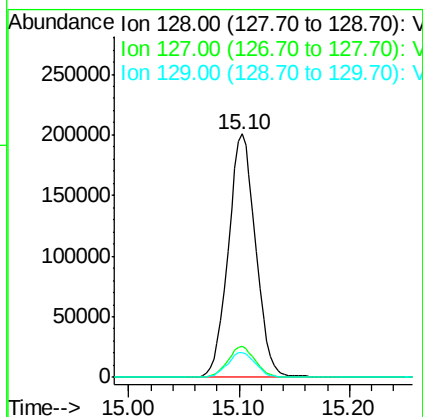
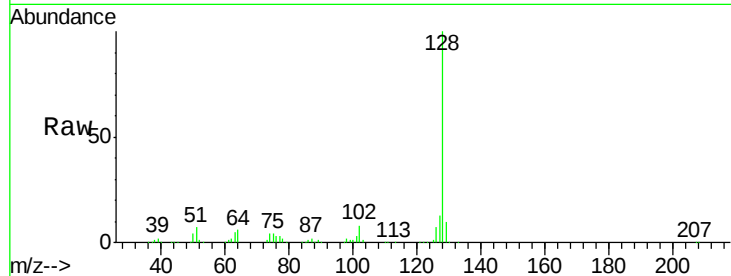
#95
Naphthalene
Concen: 42.028 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:55:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 40.940 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	48.1	144.4
145	33.3	16.4	49.1

