

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112520\
 Data File : VN064860.D
 Acq On : 25 Nov 2020 16:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

SAM
 11/27/2020 1:37:58 PM

Quant Time: Nov 26 04:35:58 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	227393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	360429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	324808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	160378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	128348	48.55	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.10%
35) Dibromofluoromethane	7.55	113	107118	49.67	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.34%
50) Toluene-d8	10.06	98	436840	49.57	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.14%
62) 4-Bromofluorobenzene	12.37	95	160349	50.85	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	84290	42.770	ug/l	99
3) Chloromethane	2.04	50	111469	43.526	ug/l	99
4) Vinyl Chloride	2.16	62	116409	43.598	ug/l	100
5) Bromomethane	2.52	94	69107	39.450	ug/l	98
6) Chloroethane	2.67	64	74663	45.211	ug/l	99
7) Trichlorofluoromethane	2.98	101	164696	44.623	ug/l	99
8) Diethyl Ether	3.37	74	64336	44.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	100654	45.461	ug/l	99
10) Methyl Iodide	3.90	142	119680	41.673	ug/l	98
11) Tert butyl alcohol	4.75	59	89948	218.175	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	101186	45.888	ug/l	99
13) Acrolein	3.57	56	30616	121.577	ug/l	99
14) Allyl chloride	4.27	41	166189	45.696	ug/l	98
15) Acrylonitrile	4.93	53	265448	233.070	ug/l	99
16) Acetone	3.78	43	184381	212.170	ug/l	100
17) Carbon Disulfide	4.00	76	253950	44.605	ug/l	99
18) Methyl Acetate	4.28	43	124190	47.532	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	338403	47.851	ug/l	100
20) Methylene Chloride	4.50	84	120122	44.112	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	108951	44.494	ug/l	100
22) Diisopropyl ether	5.91	45	353155	48.514	ug/l	98
23) Vinyl Acetate	5.85	43	1411467	242.471	ug/l	100
24) 1,1-Dichloroethane	5.80	63	204994	47.120	ug/l	98
25) 2-Butanone	6.79	43	324043	230.025	ug/l	98
26) 2,2-Dichloropropane	6.78	77	172315	45.669	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	127751	46.364	ug/l	100
28) Bromochloromethane	7.15	49	98037	49.260	ug/l	96
29) Tetrahydrofuran	7.17	42	225585	231.979	ug/l	99
30) Chloroform	7.33	83	206302	45.984	ug/l	98
31) Cyclohexane	7.61	56	166720	45.249	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	175334	45.503	ug/l	99
36) 1,1-Dichloropropene	7.75	75	153516	45.952	ug/l	99
37) Ethyl Acetate	6.88	43	138122	42.920	ug/l	99
38) Carbon Tetrachloride	7.73	117	156496	45.020	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	166277	46.234	ug/l	99
40) Benzene	8.00	78	465620	45.482	ug/l	98
41) Methacrylonitrile	7.13	41	65938	44.406	ug/l	95
42) 1,2-Dichloroethane	8.08	62	154090	44.618	ug/l	99
43) Isopropyl Acetate	8.13	43	237919	45.945	ug/l	100
44) Trichloroethene	8.80	130	148165	49.052	ug/l	97
45) 1,2-Dichloropropane	9.08	63	126012	47.531	ug/l	99
46) Dibromomethane	9.17	93	81627	46.087	ug/l	98
47) Bromodichloromethane	9.37	83	164162	46.064	ug/l	100
48) Methyl methacrylate	9.16	41	117285	47.400	ug/l	99
49) 1,4-Dioxane	9.17	88	41202	881.016	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	722236	232.321	ug/l	100
52) Toluene	10.12	92	293588	46.567	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	183145	46.140	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	200678	47.167	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	119306	46.019	ug/l	97
56) Ethyl methacrylate	10.40	69	176265	49.269	ug/l	99
57) 1,3-Dichloropropane	10.68	76	197703	46.229	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	477215	242.497	ug/l	99
59) 2-Hexanone	10.72	43	523101	233.804	ug/l	99
60) Dibromochloromethane	10.87	129	134356	46.622	ug/l	98
61) 1,2-Dibromoethane	10.98	107	121852	46.262	ug/l	99
64) Tetrachloroethene	10.60	164	168233	53.237	ug/l	98
65) Chlorobenzene	11.41	112	325107	46.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	120564	47.033	ug/l	100
67) Ethyl Benzene	11.48	91	561372	48.176	ug/l	99
68) m/p-Xylenes	11.60	106	434966	98.593	ug/l	99
69) o-Xylene	11.92	106	206608	49.351	ug/l	99
70) Styrene	11.94	104	356477	50.439	ug/l	99
71) Bromoform	12.10	173	93301	45.571	ug/l #	99
73) Isopropylbenzene	12.22	105	544897	48.846	ug/l	99
74) N-amyl acetate	12.04	43	210374	47.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	129919	39.734	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	155298m	44.963	ug/l	
77) Bromobenzene	12.50	156	138392	46.016	ug/l	99
78) n-propylbenzene	12.56	91	619455	48.744	ug/l	99
79) 2-Chlorotoluene	12.65	91	368583	46.920	ug/l	98
80) 1,3,5-Trimethylbenzene	12.70	105	467189	50.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	58679	46.564	ug/l #	81
82) 4-Chlorotoluene	12.75	91	390064	47.372	ug/l	100
83) tert-Butylbenzene	12.97	119	384659	49.493	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	473816	50.541	ug/l	99
85) sec-Butylbenzene	13.14	105	510566	49.478	ug/l	100
86) p-Isopropyltoluene	13.26	119	481600	51.262	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	245996	46.038	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	250265	44.289	ug/l	99
89) n-Butylbenzene	13.59	91	411762	49.908	ug/l	100
90) Hexachloroethane	13.85	117	75350	46.168	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	240718	45.881	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	32992	44.844	ug/l	97

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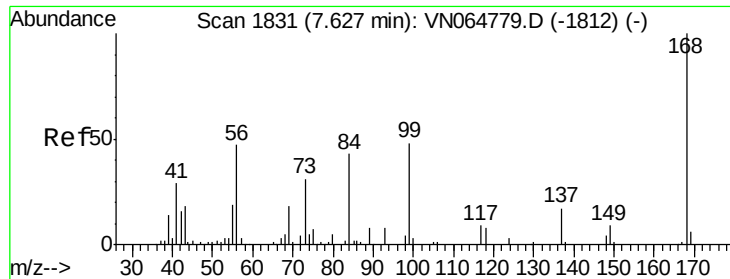
Manual Integrations
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11/27/2020 1:37:58 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	147468	45.437	ug/l	99
94) Hexachlorobutadiene	14.98	225	69102	47.301	ug/l	99
95) Naphthalene	15.10	128	456469	46.946	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	141260	45.917	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 227393

Ion Ratio Lower Upper

168 100

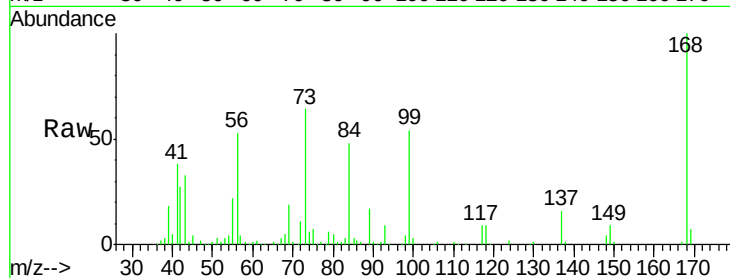
99 54.3 43.0 64.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

60000

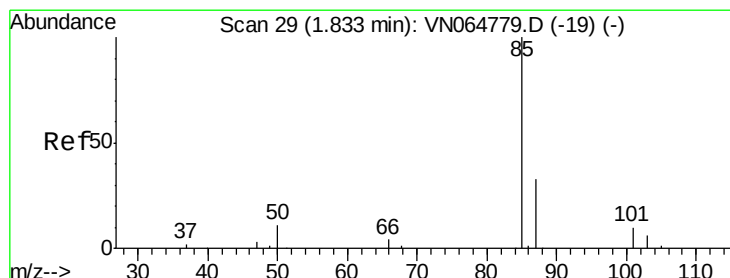
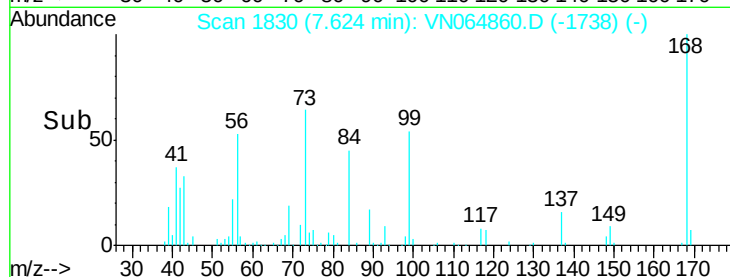
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.770 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064860.D

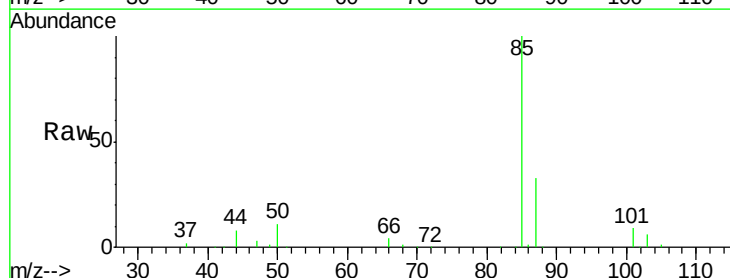
Acq: 25 Nov 2020 16:54

Tgt Ion: 85 Resp: 84290

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

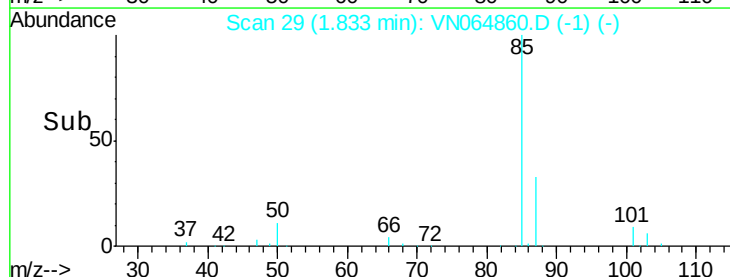
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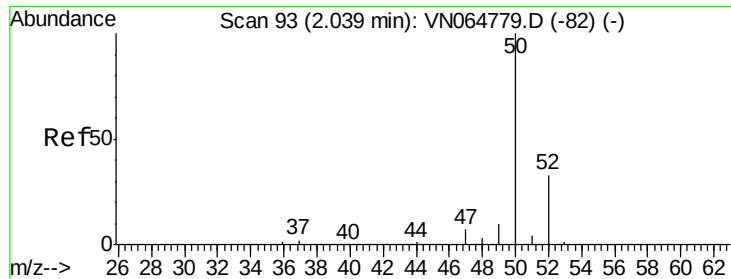
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.526 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 111469

Ion Ratio Lower Upper

50 100

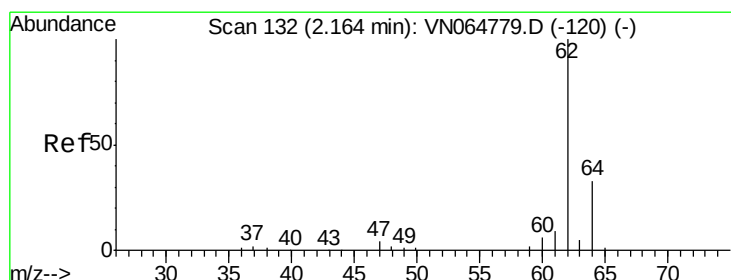
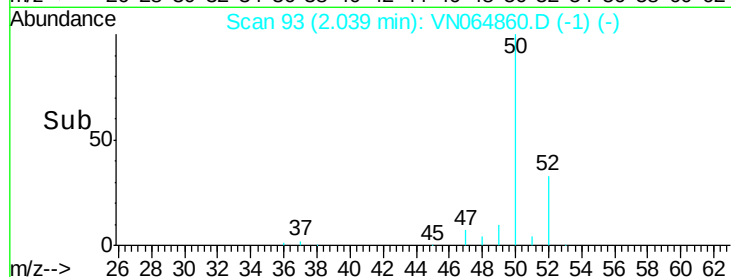
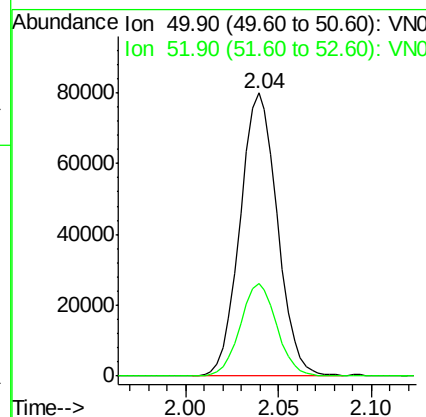
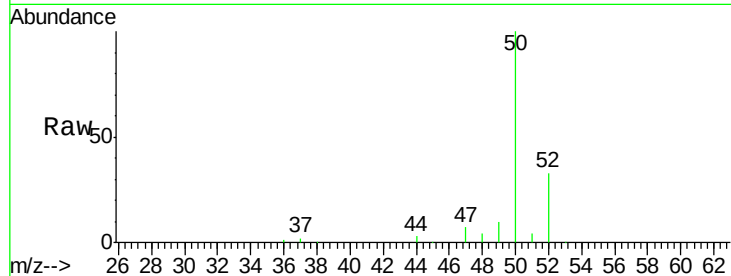
52 32.6 26.6 39.8

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#4

Vinyl Chloride

Concen: 43.598 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064860.D

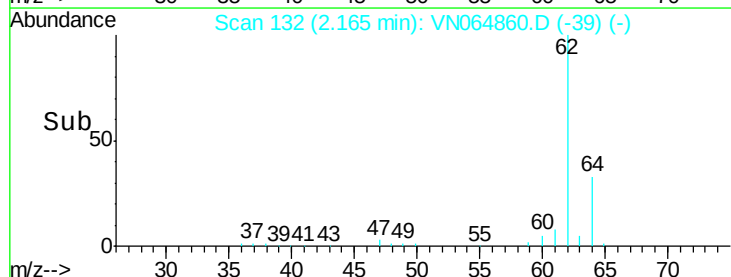
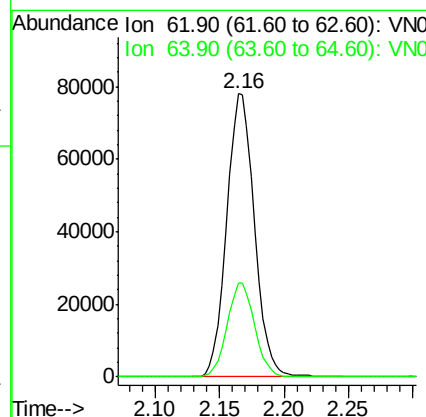
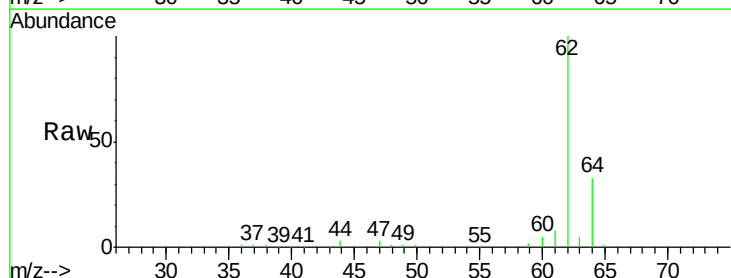
Acq: 25 Nov 2020 16:54

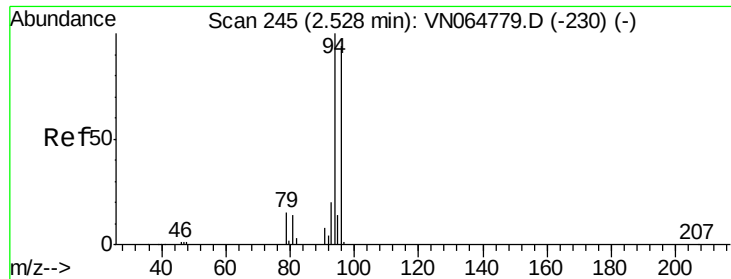
Tgt Ion: 62 Resp: 116409

Ion Ratio Lower Upper

62 100

64 33.0 26.5 39.7





#5

Bromomethane

Concen: 39.450 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 69107

Ion Ratio Lower Upper

94 100

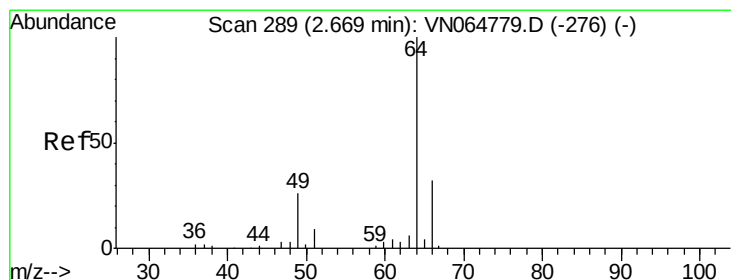
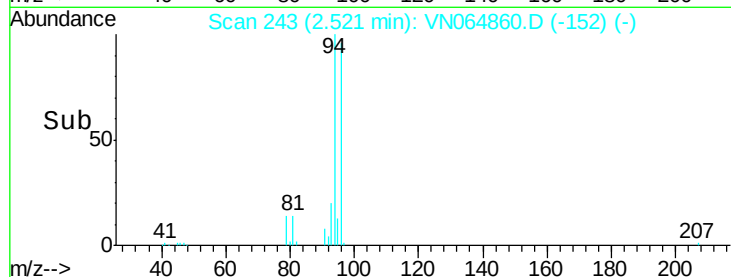
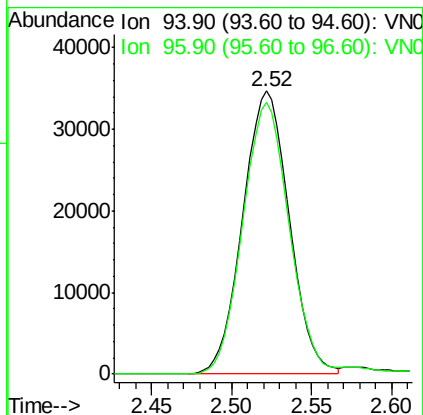
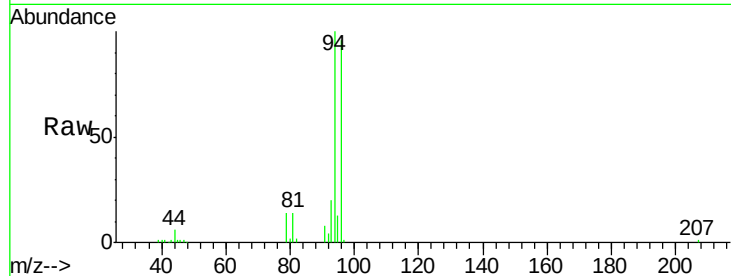
96 96.0 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 45.211 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064860.D

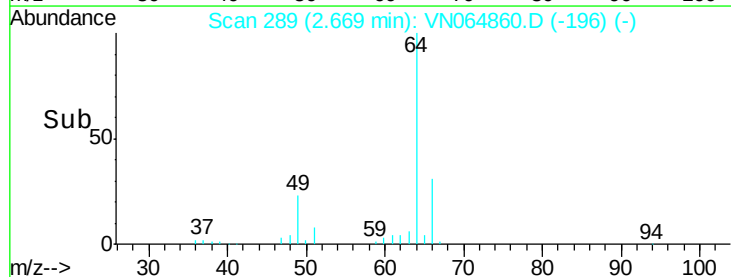
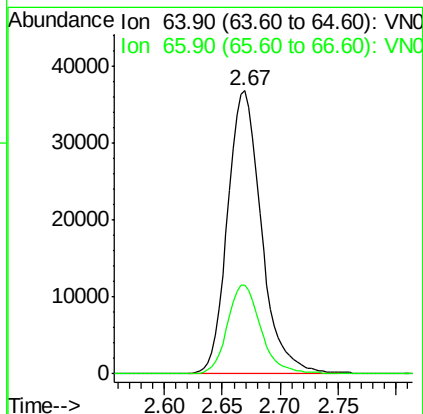
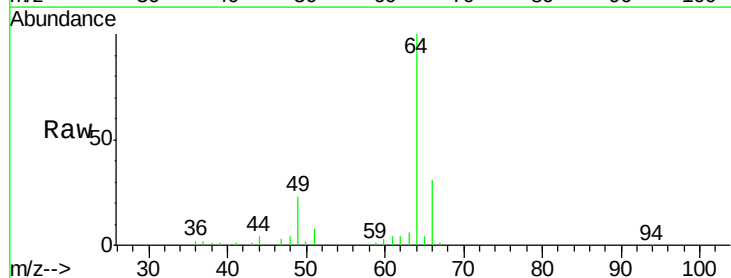
Acq: 25 Nov 2020 16:54

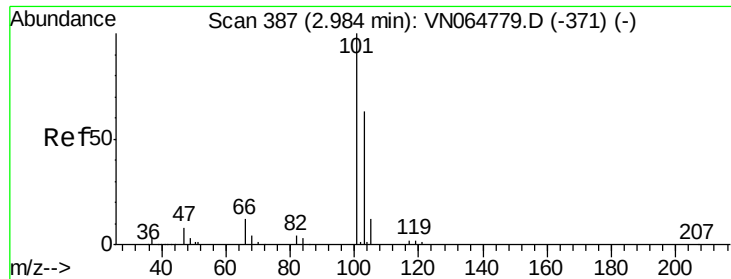
Tgt Ion: 64 Resp: 74663

Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4





#7

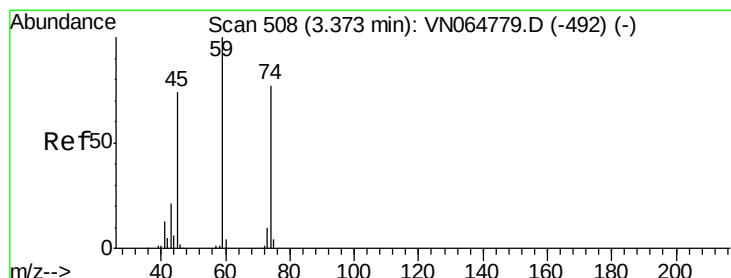
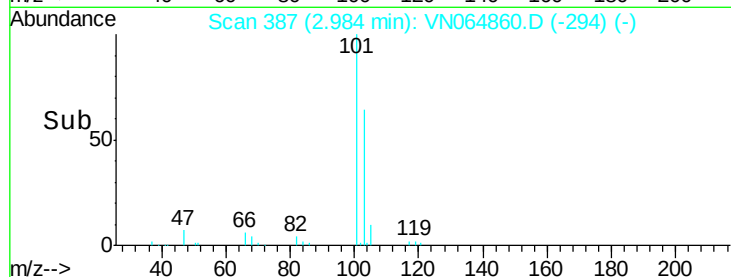
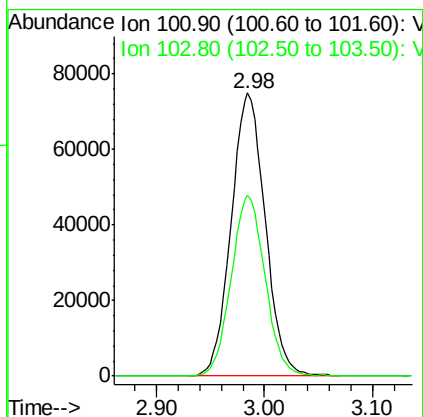
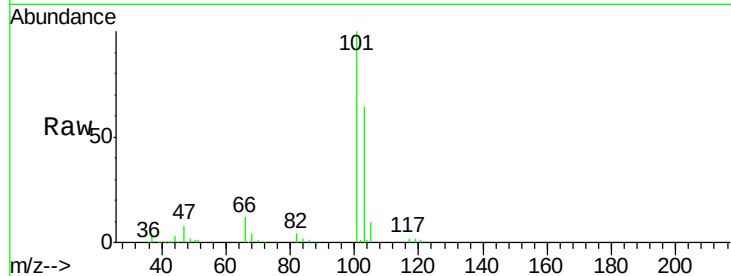
Trichlorofluoromethane
 Concen: 44.623 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.5	75.7

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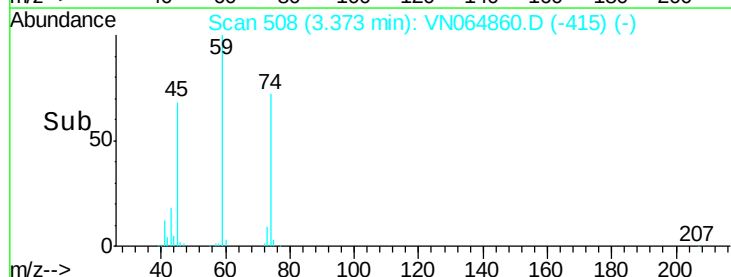
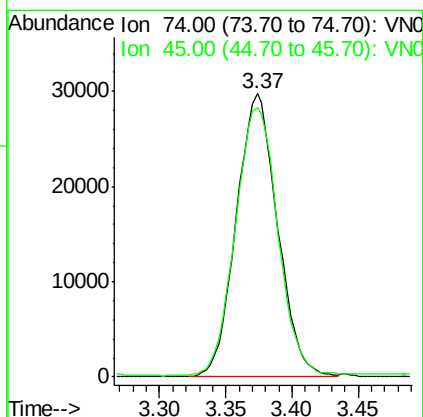
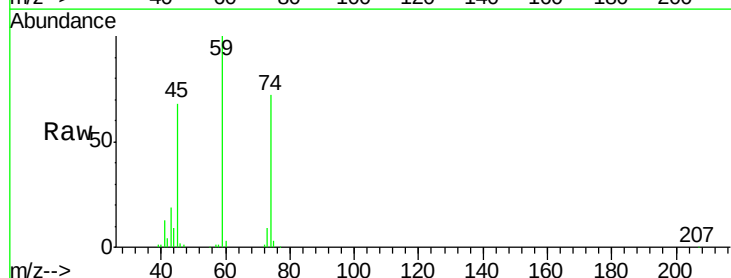
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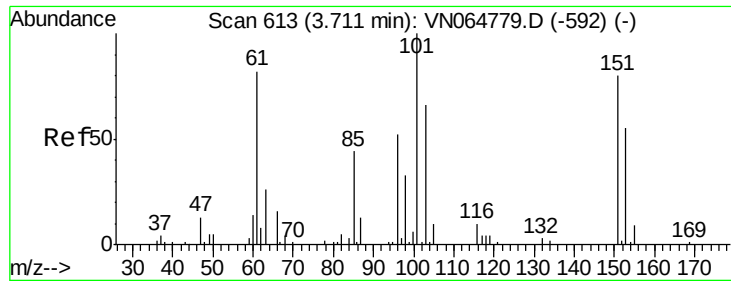


#8

Diethyl Ether
 Concen: 44.161 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.461 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

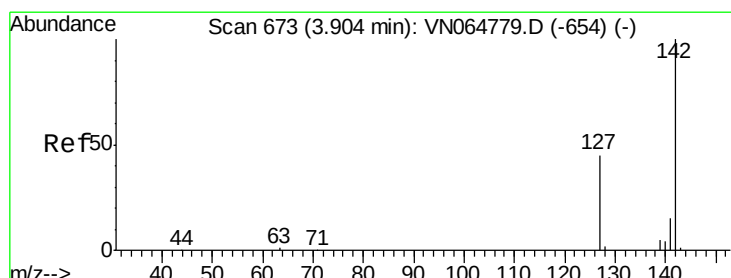
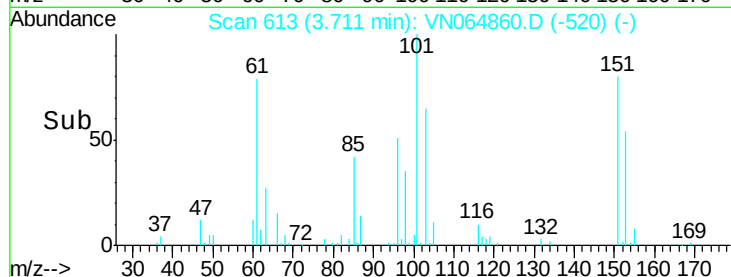
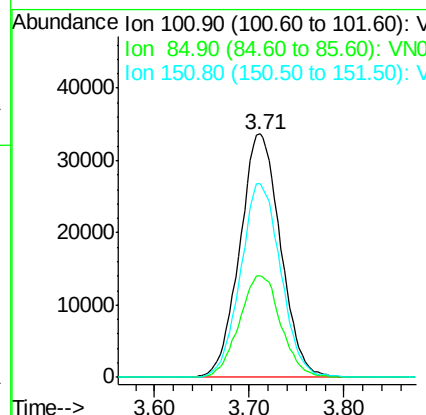
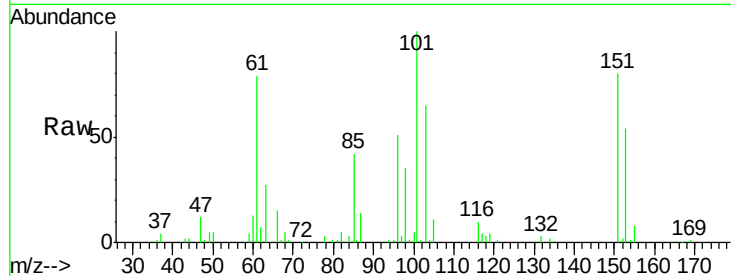
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100654
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	78.6	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 41.673 ug/l

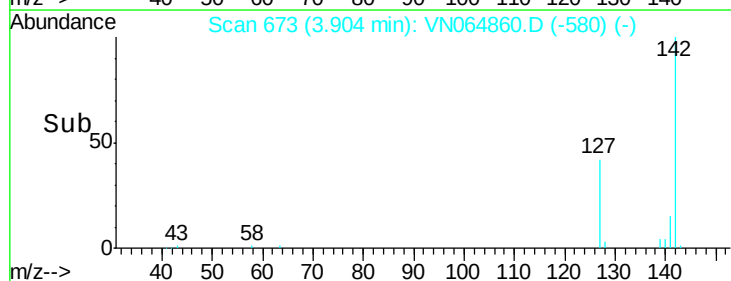
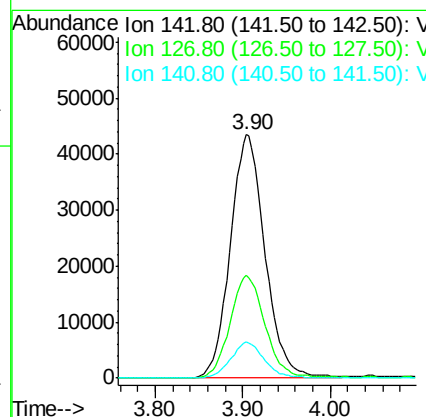
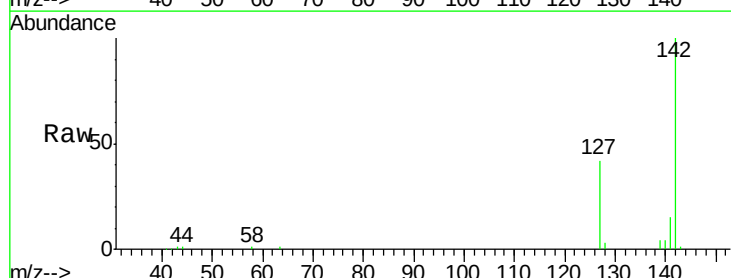
RT: 3.90 min Scan# 673

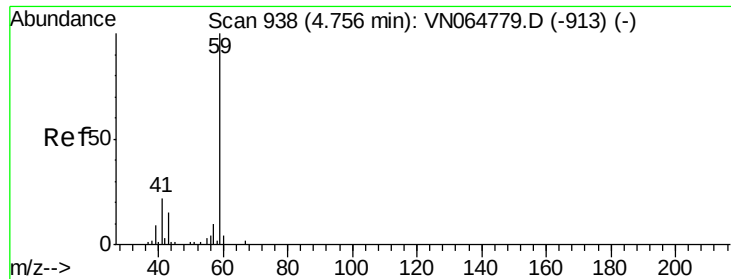
Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	142	Resp:	119680
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.0	52.6
141	14.3	11.8	17.6





#11

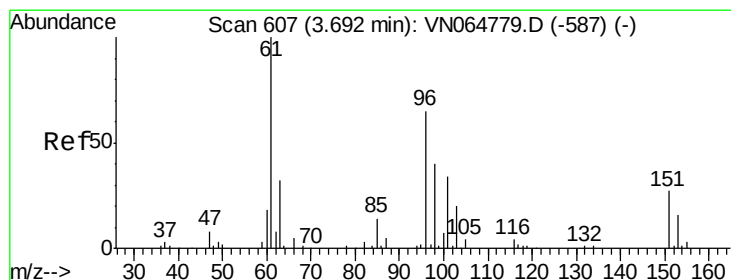
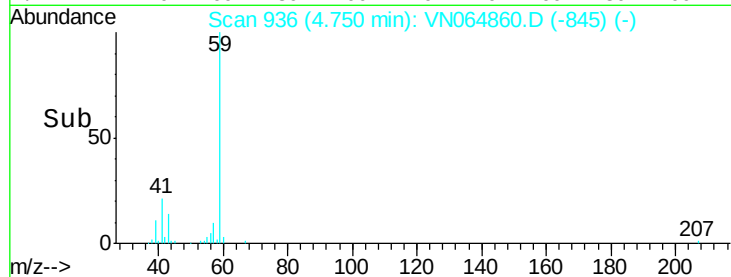
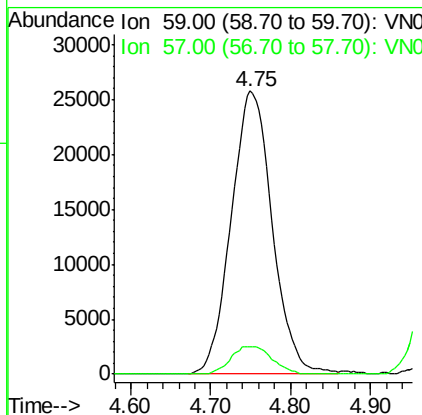
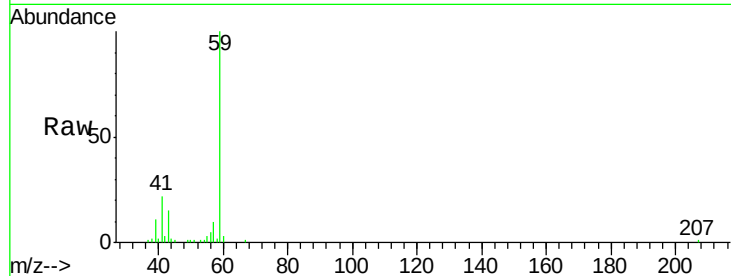
Tert butyl alcohol
Concen: 218.175 ug/l
RT: 4.75 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	7.9	11.9#

Manual Integrations
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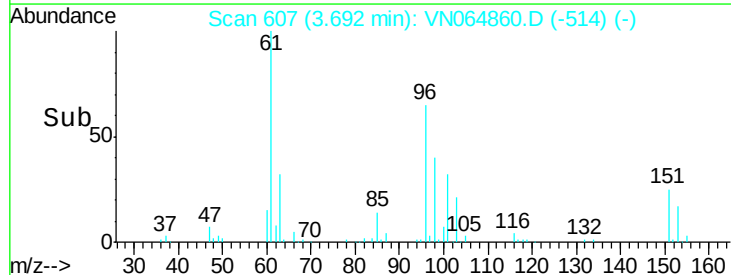
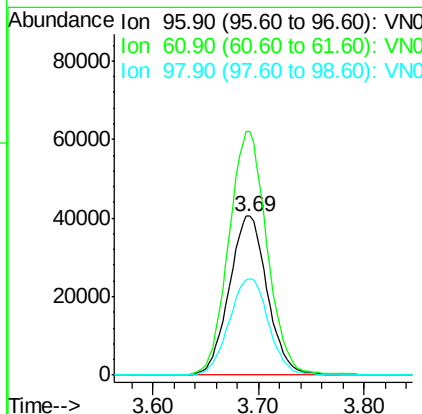
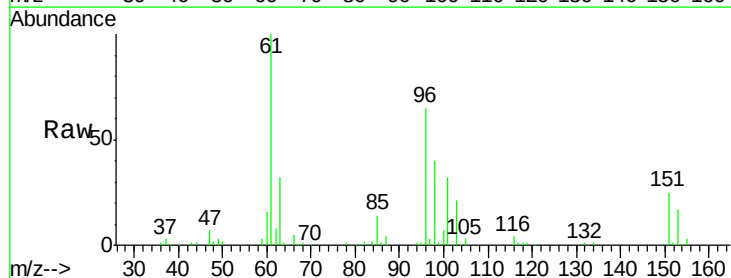
SAM
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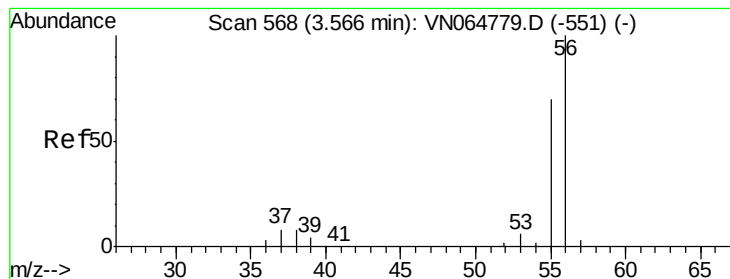


#12

1,1-Dichloroethene
Concen: 45.888 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	123.4	185.2
98	60.8	49.8	74.8





#13

Acrolein

Concen: 121.577 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 30616

Ion Ratio Lower Upper

56 100

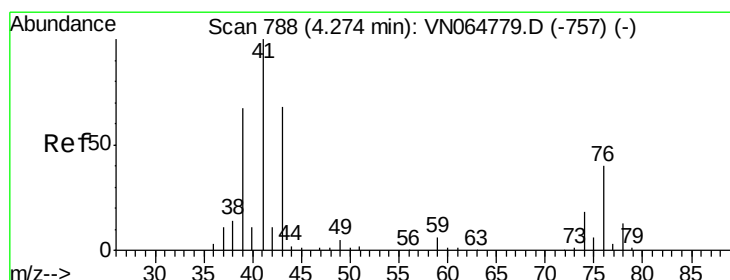
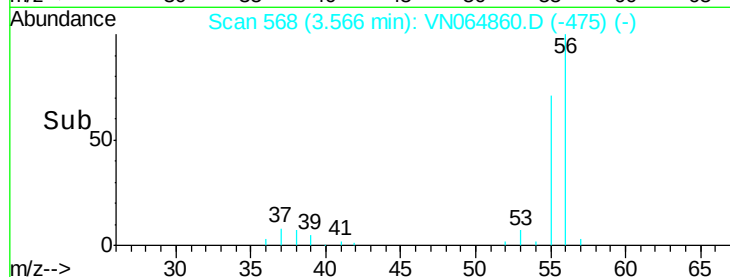
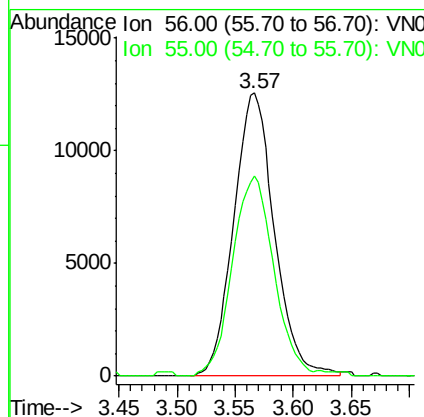
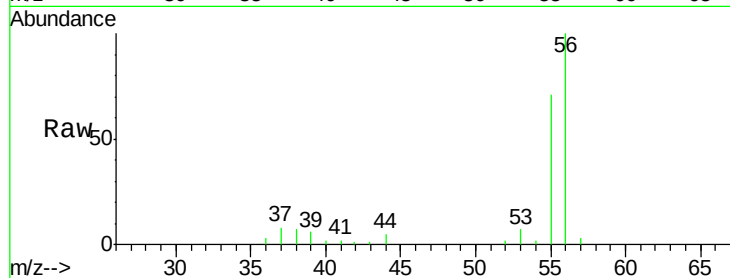
55 71.6 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 45.696 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

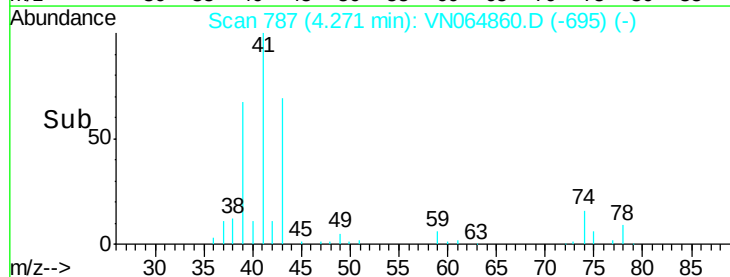
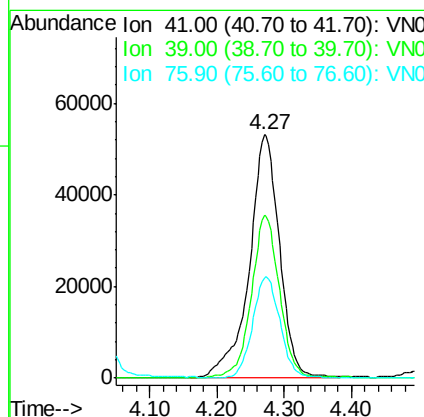
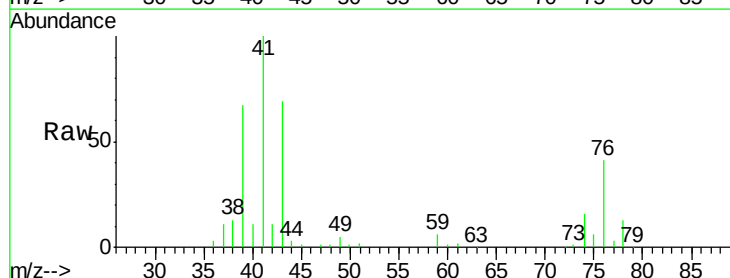
Tgt Ion: 41 Resp: 166189

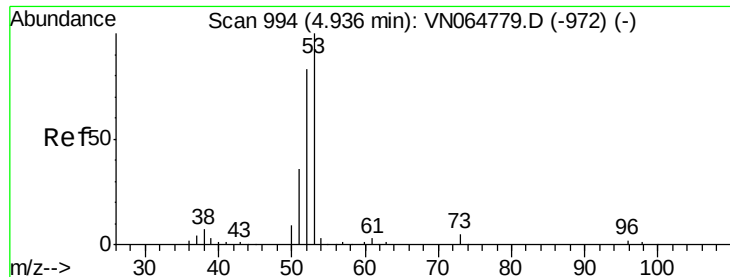
Ion Ratio Lower Upper

41 100

39 62.2 50.9 76.3

76 37.6 29.0 43.4





#15

Acrylonitrile

Concen: 233.070 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

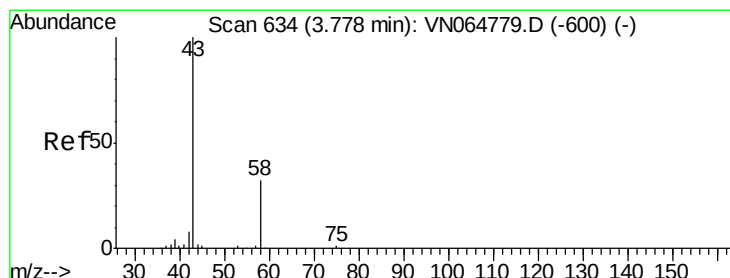
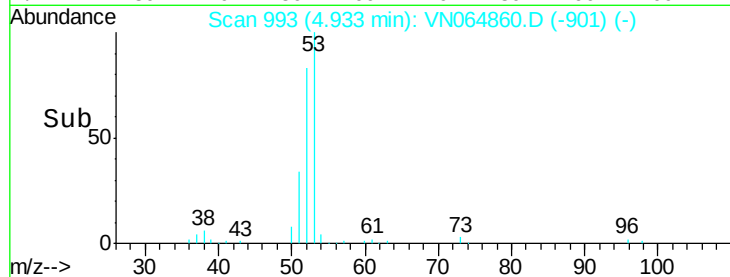
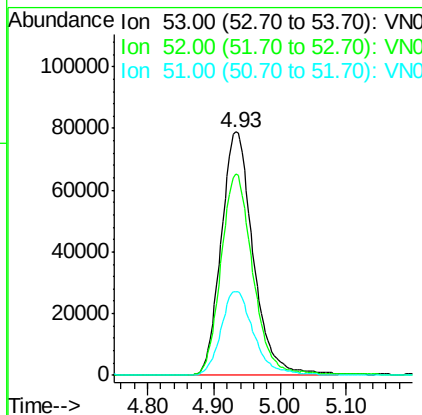
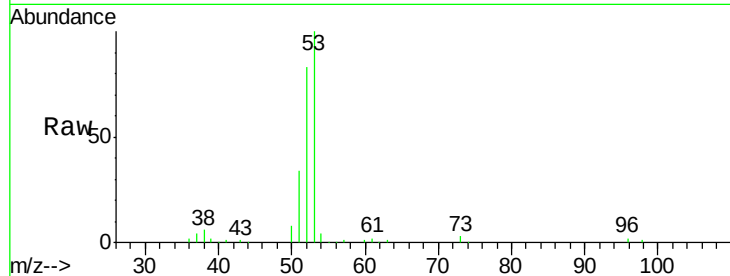
VSTDCCC050EC

Tot Ion:	53	Resp:	265448
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	35.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 212.170 ug/l

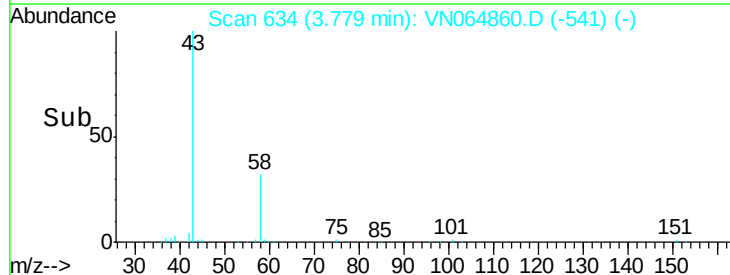
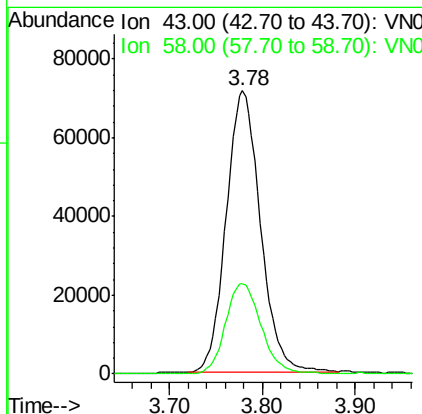
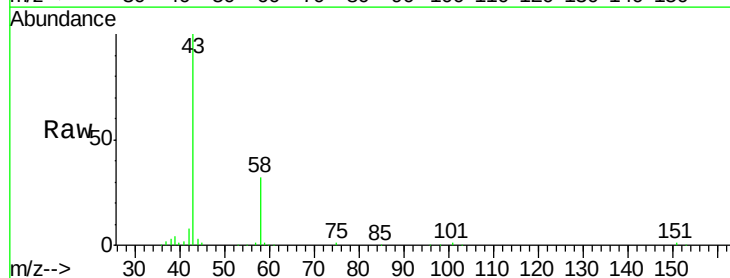
RT: 3.78 min Scan# 634

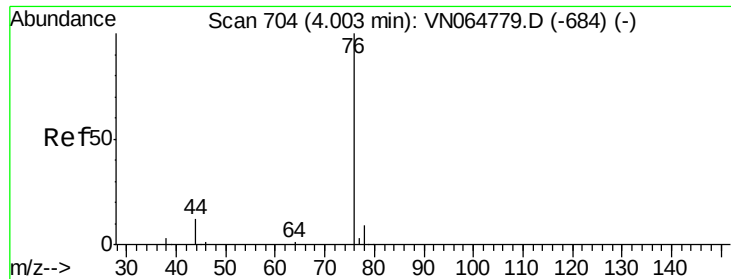
Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	43	Resp:	184381
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.7	38.5





#17

Carbon Disulfide

Concen: 44.605 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 253950

Ion Ratio Lower Upper

76 100

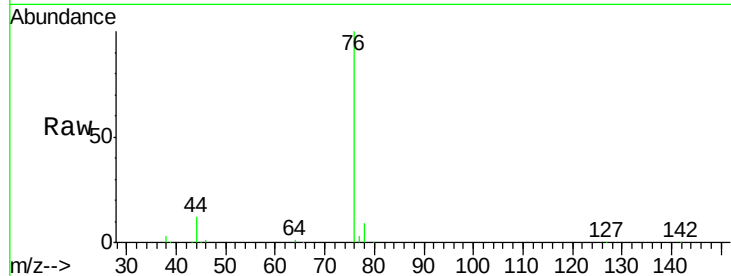
78 9.4 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

100000

80000

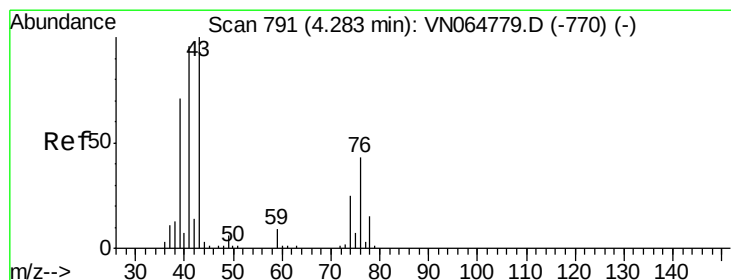
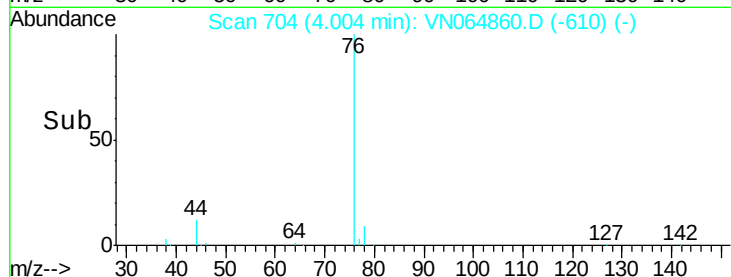
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.532 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064860.D

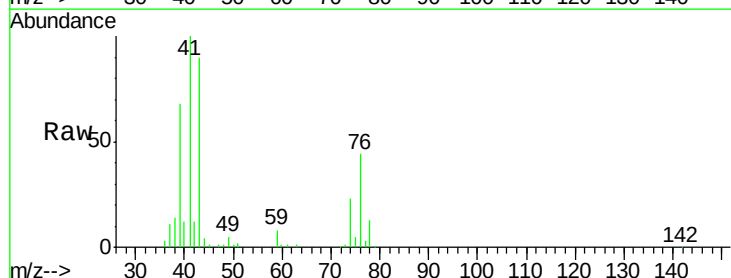
Acq: 25 Nov 2020 16:54

Tgt Ion: 43 Resp: 124190

Ion Ratio Lower Upper

43 100

74 24.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

50000

40000

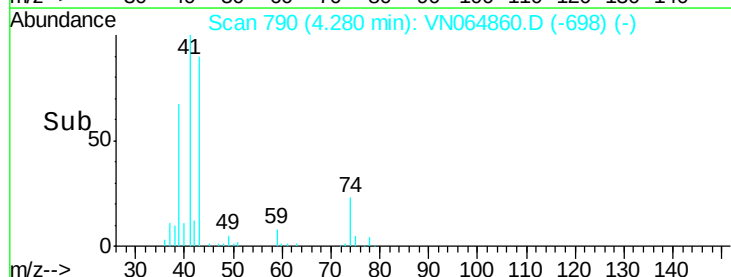
30000

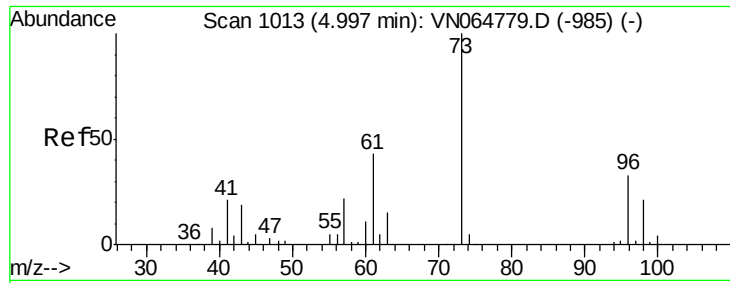
20000

10000

0

Time-->





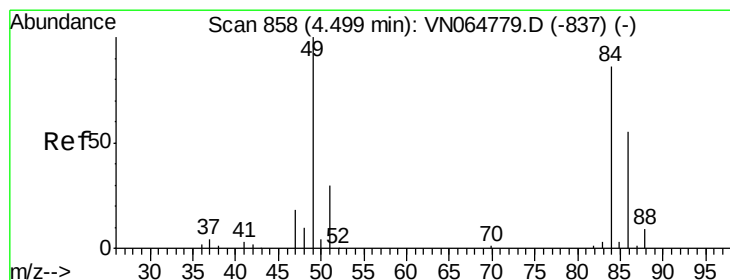
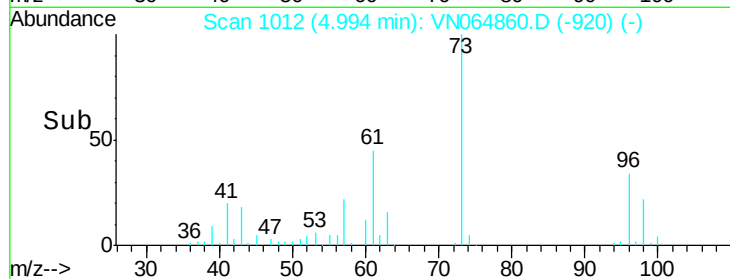
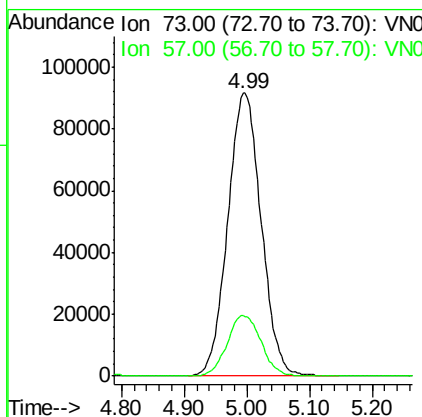
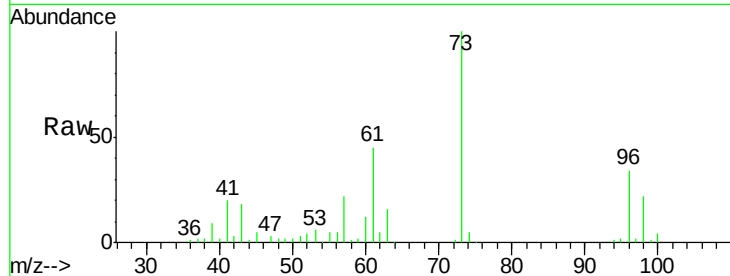
#19
Methyl tert-butyl Ether
Concen: 47.851 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 338403
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.0

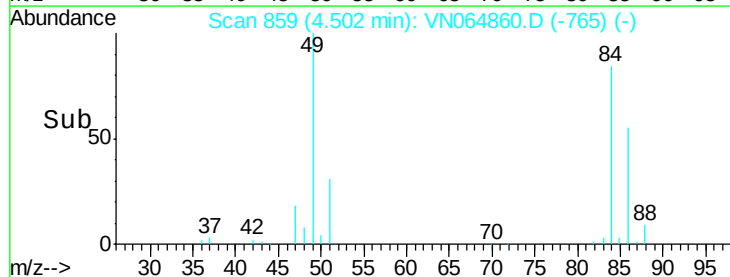
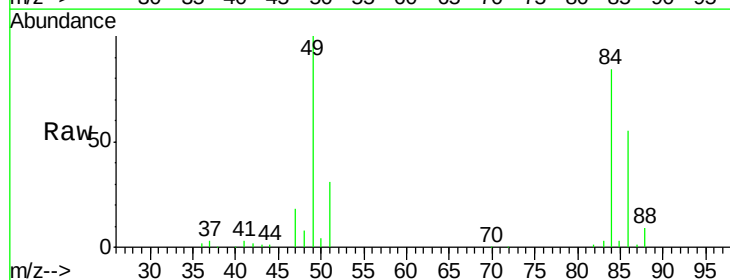
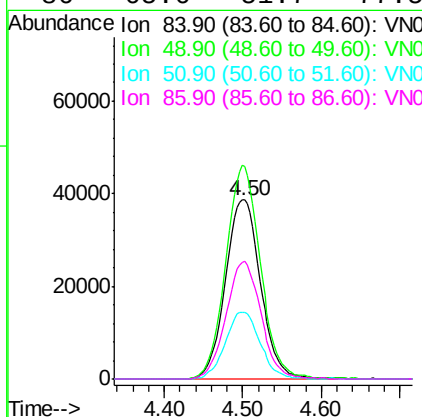
Manual Integrations
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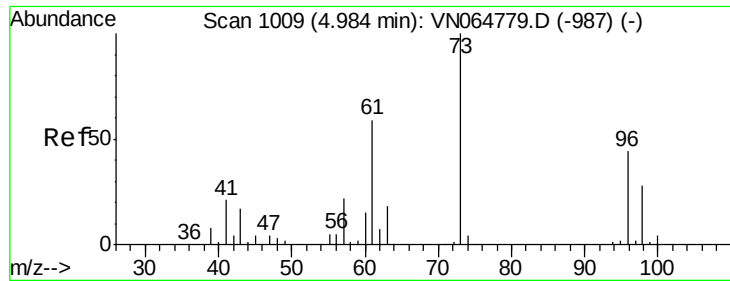
SAM
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#20
Methylene Chloride
Concen: 44.112 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion: 84 Resp: 120122
Ion Ratio Lower Upper
84 100
49 118.6 93.4 140.0
51 36.9 28.2 42.4
86 65.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 44.494 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 108951

Ion Ratio Lower Upper

96 100

61 135.2 108.4 162.6

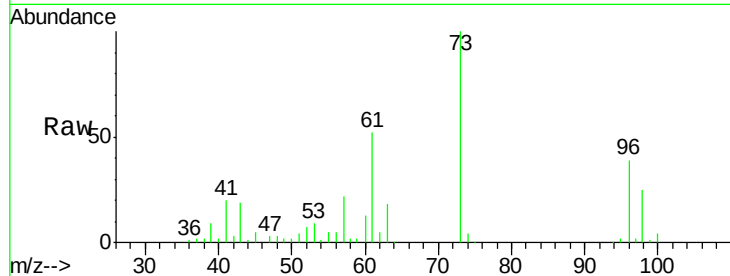
98 64.7 51.3 76.9

Manual Integrations

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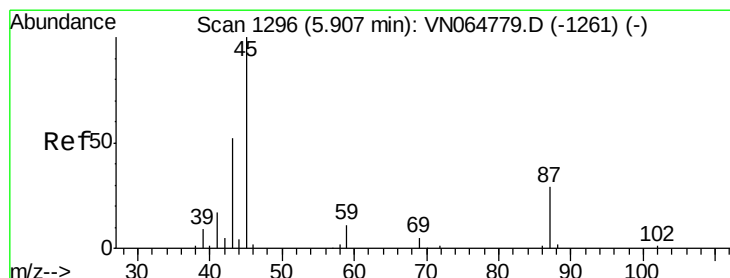
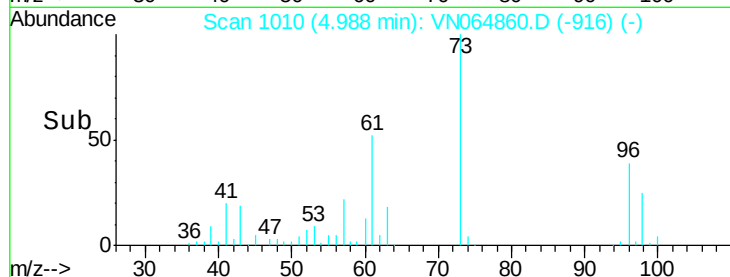
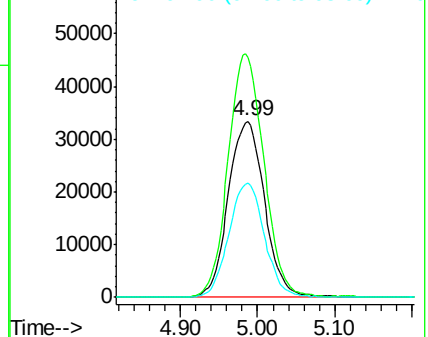


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.514 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion: 45 Resp: 353155

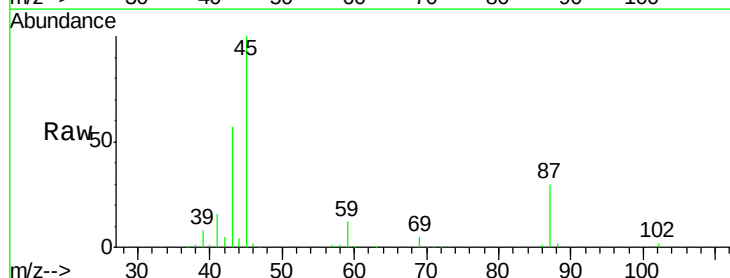
Ion Ratio Lower Upper

45 100

43 55.4 46.2 69.2

87 30.2 24.1 36.1

59 12.2 9.0 13.4



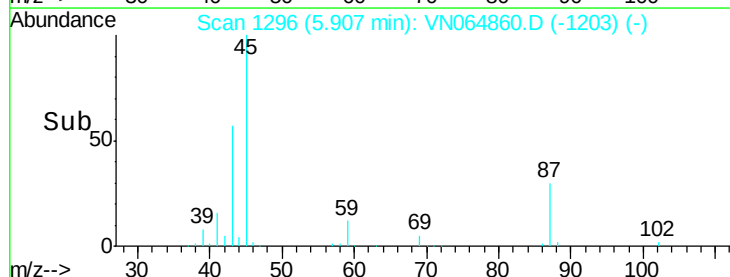
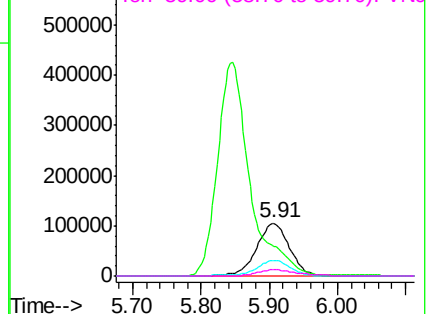
Abundance

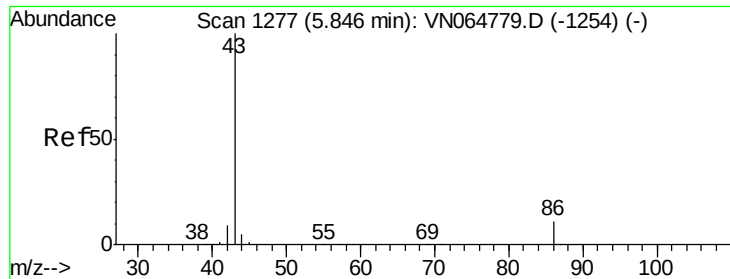
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 242.471 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1411467

Ion Ratio Lower Upper

43 100

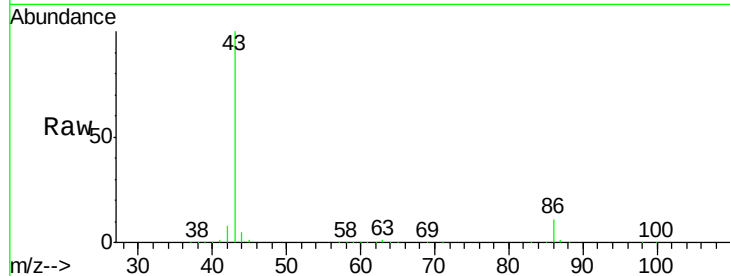
86 11.2 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

500000

400000

300000

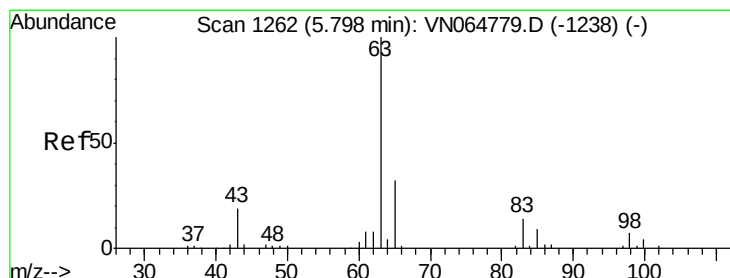
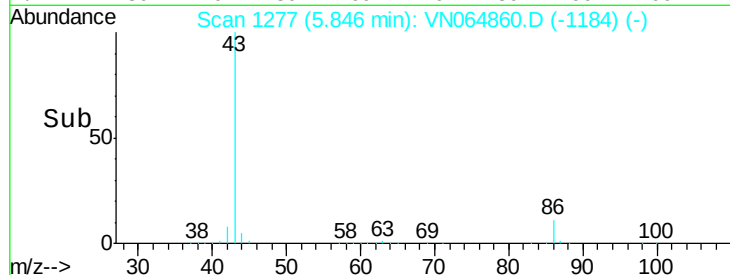
200000

100000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.120 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

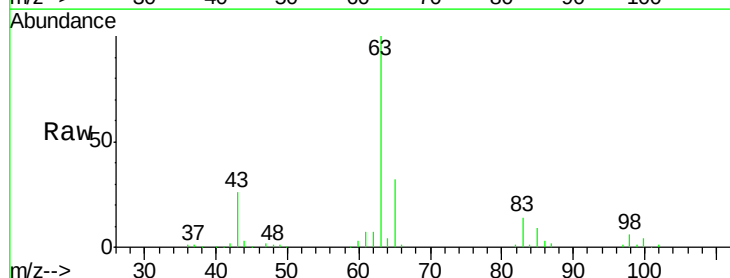
Tgt Ion: 63 Resp: 204994

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 4.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

60000

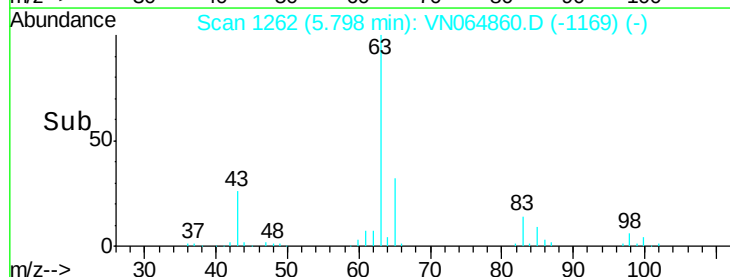
40000

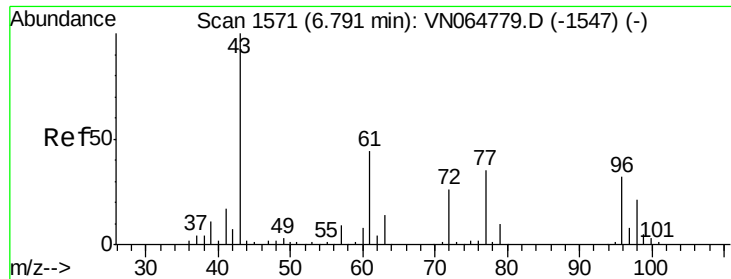
20000

0

5.70 5.80 5.90

Time-->





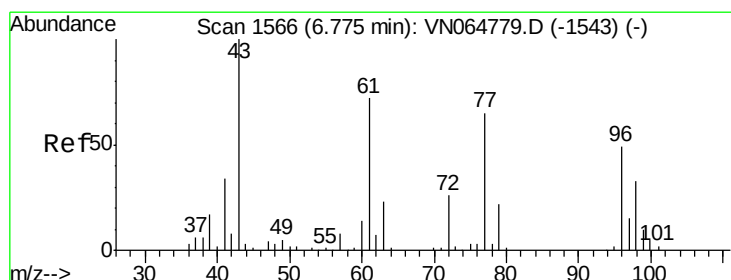
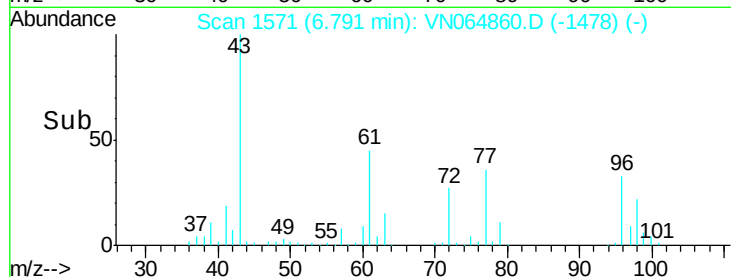
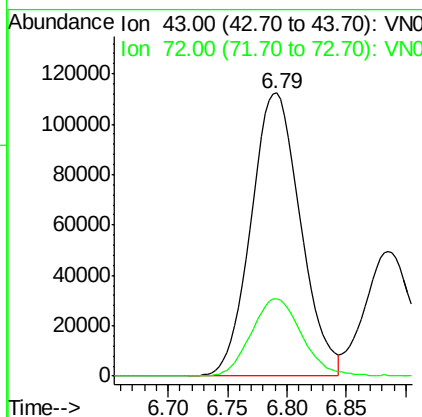
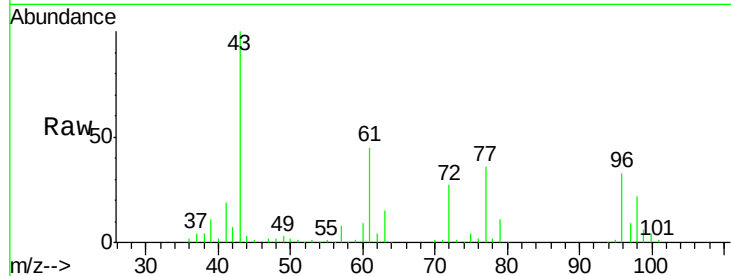
#25
2-Butanone
Concen: 230.025 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 324043
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6

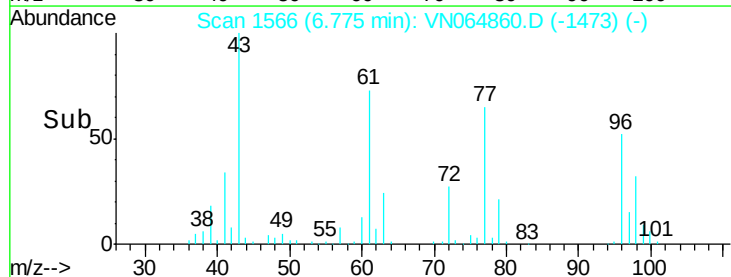
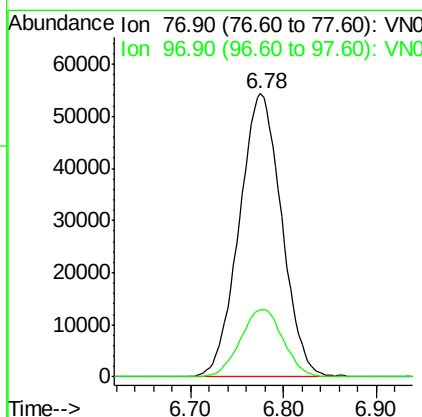
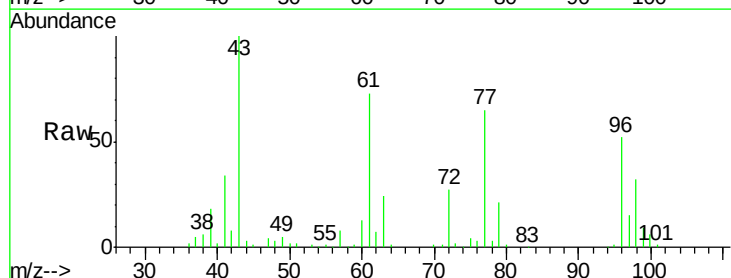
Manual Integrations
APPROVED

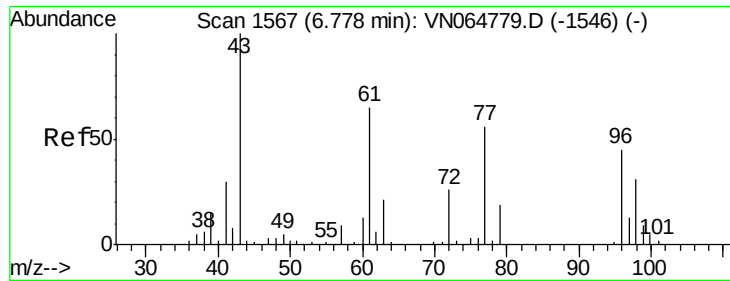
SAM
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#26
2,2-Dichloropropane
Concen: 45.669 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion: 77 Resp: 172315
Ion Ratio Lower Upper
77 100
97 24.0 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 46.364 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

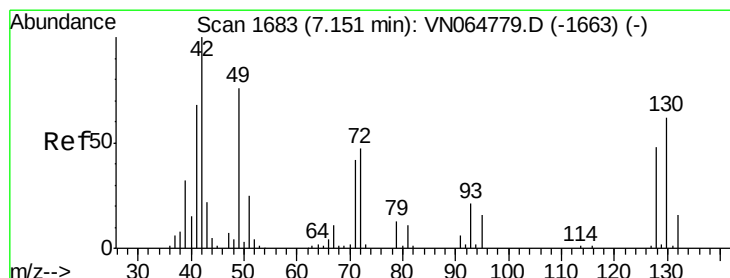
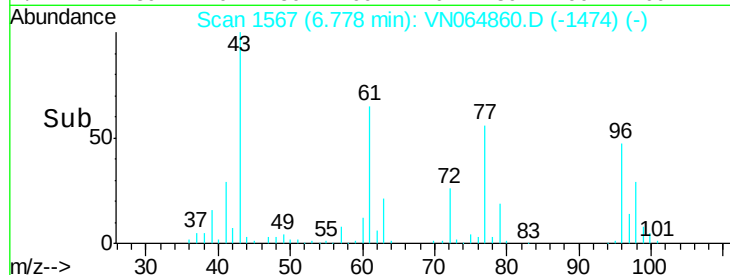
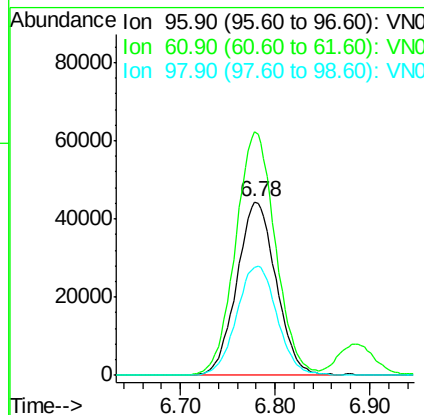
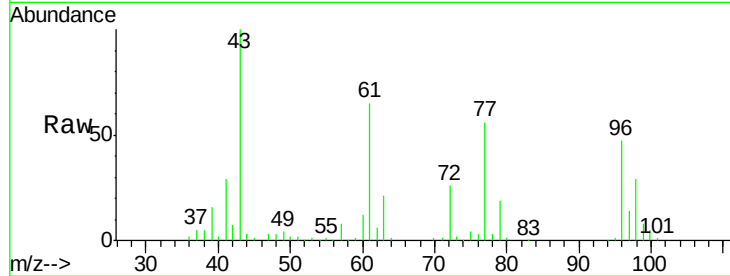
VSTDCCC050EC

Tot Ion:	96	Resp:	127751
Ion Ratio	Lower	Upper	
96	100		
61	142.3	0.0	285.8
98	65.1	0.0	130.6

Manual Integrations
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SAM

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#28

Bromochloromethane

Concen: 49.260 ug/l

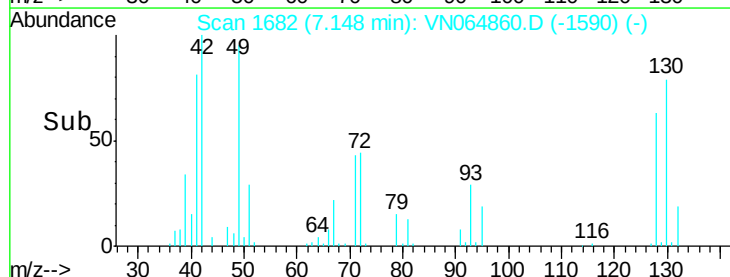
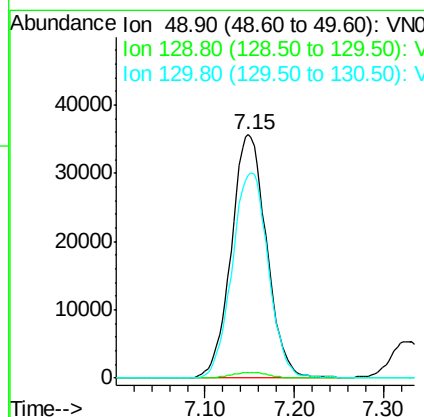
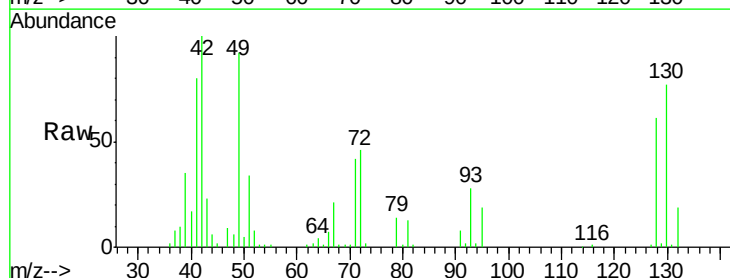
RT: 7.15 min Scan# 1682

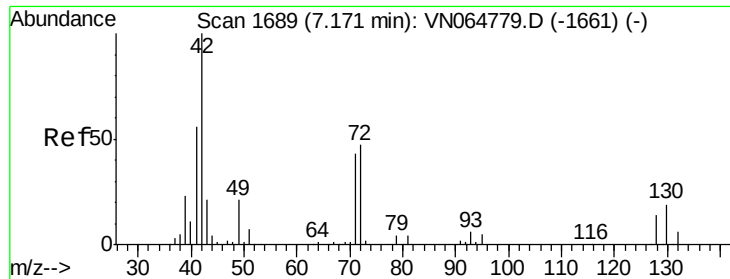
Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	49	Resp:	98037
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	3.8
130	86.0	66.2	99.2





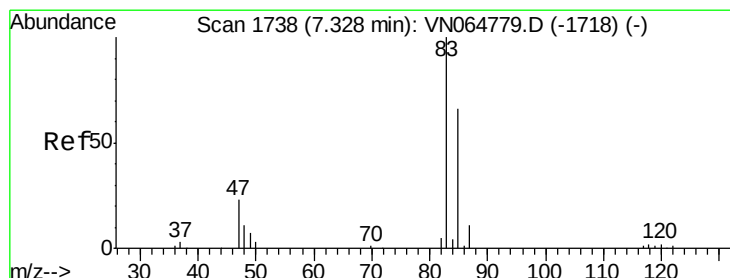
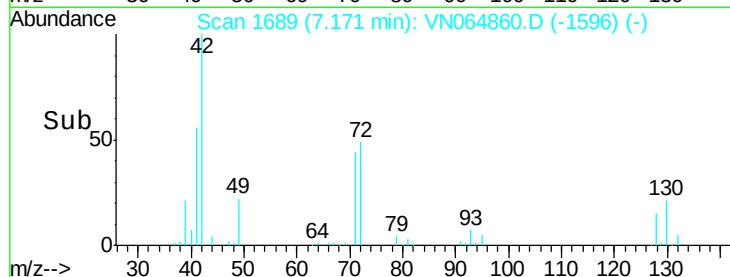
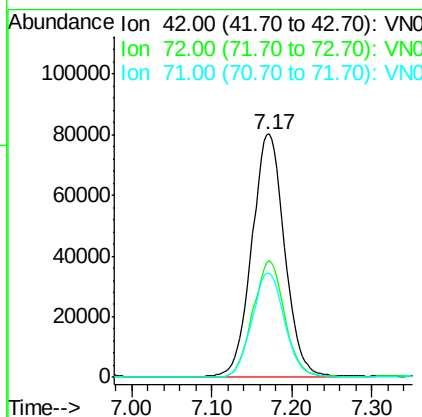
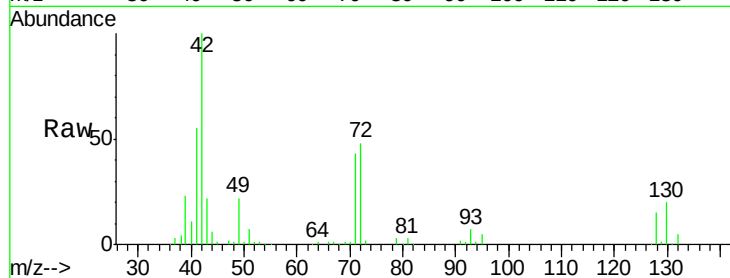
#29
Tetrahydrofuran
Concen: 231.979 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	54.8
71	42.4	33.6	50.4

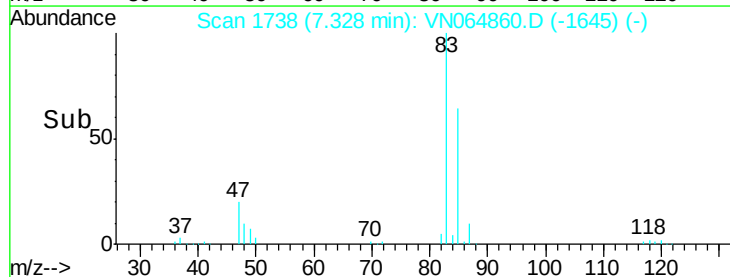
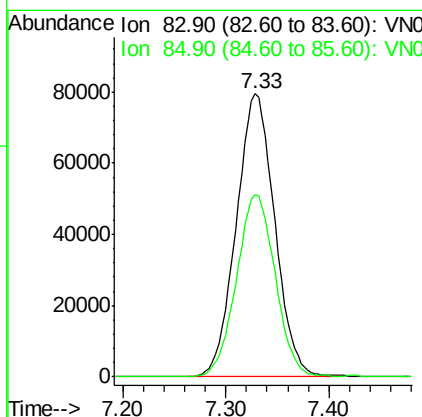
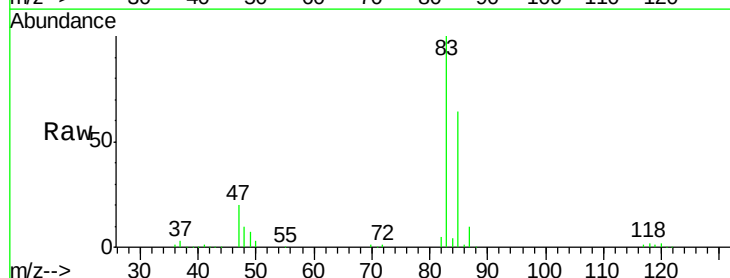
Manual Integrations
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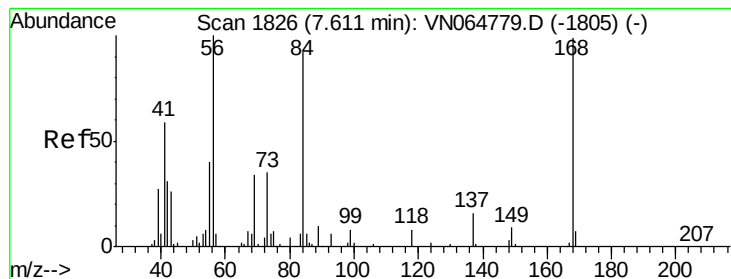
SAM
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#30
Chloroform
Concen: 45.984 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	78.8





#31

Cyclohexane

Concen: 45.249 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 166720

Ion Ratio Lower Upper

56 100

69 33.5 27.5 41.3

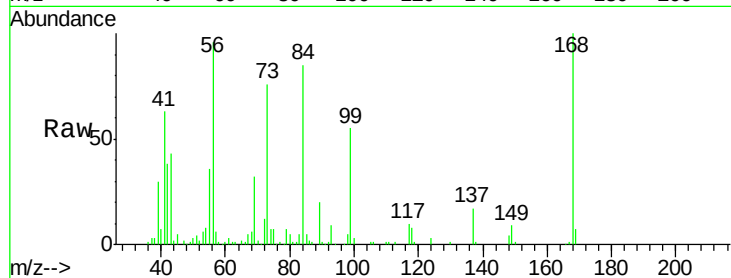
84 87.2 73.9 110.9

Manual Integrations

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SAM

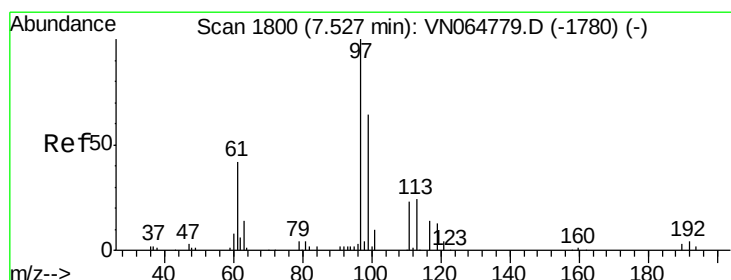
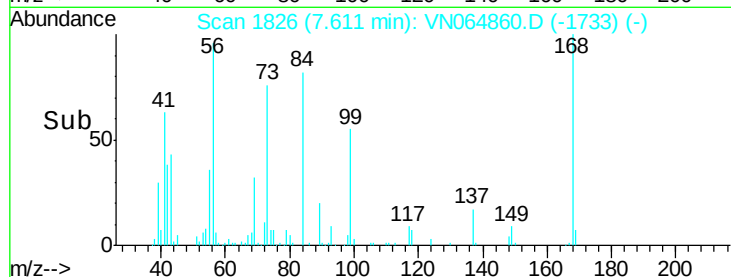
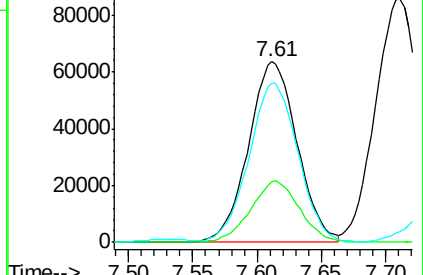
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Abundance Ion 56.00 (55.70 to 56.70): VN064860.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064860.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064860.D (-1733) (-)



#32

1,1,1-Trichloroethane

Concen: 45.503 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

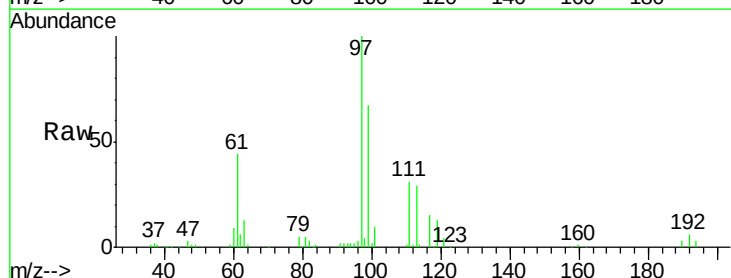
Tgt Ion: 97 Resp: 175334

Ion Ratio Lower Upper

97 100

99 65.6 51.7 77.5

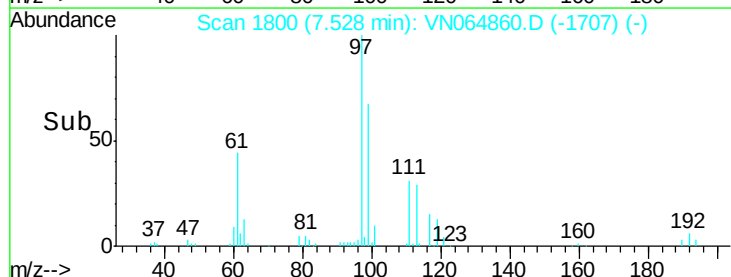
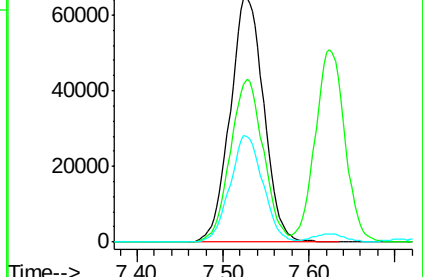
61 42.5 33.9 50.9

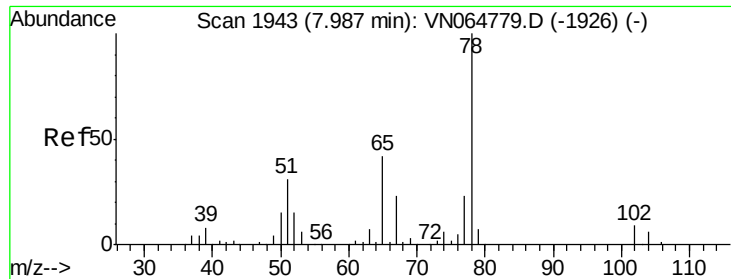


Abundance Ion 96.90 (96.60 to 97.60): VN064860.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN064860.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN064860.D (-1707) (-)





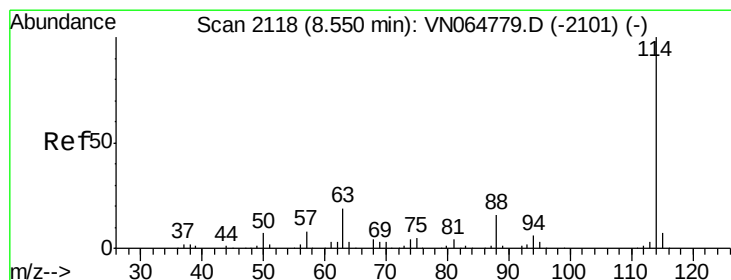
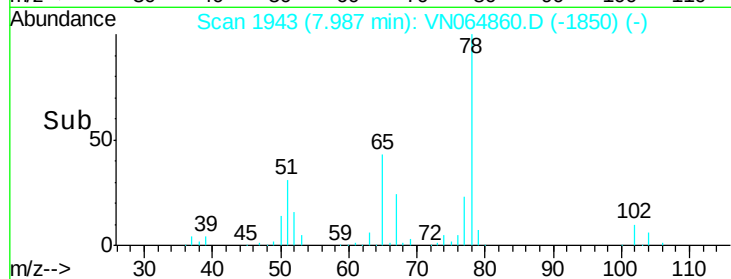
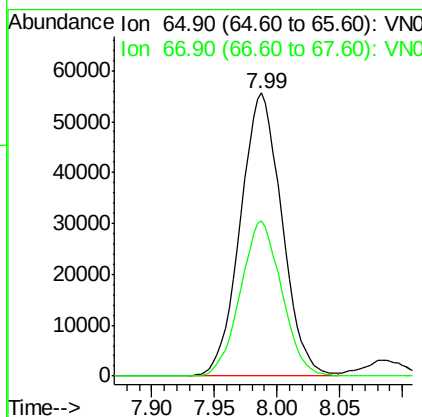
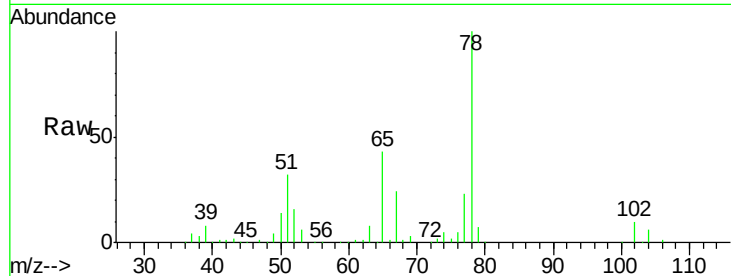
#33
 1,2-Dichloroethane-d4
 Concen: 48.551 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	108.2	

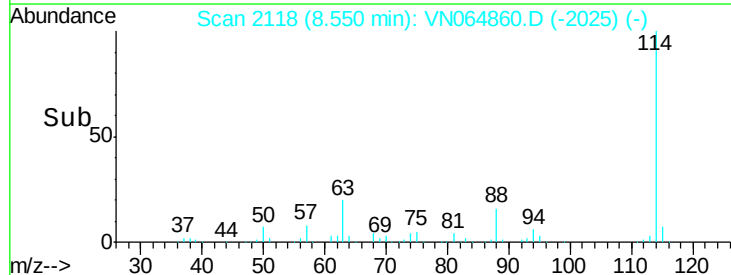
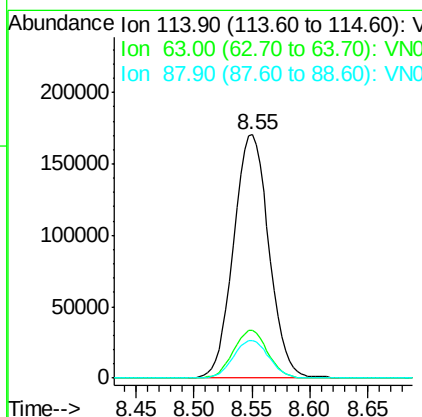
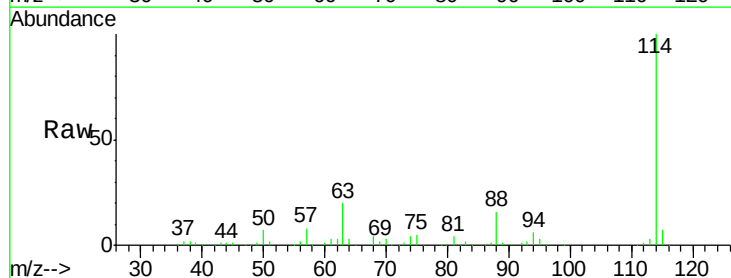
Manual Integrations
 APPROVED

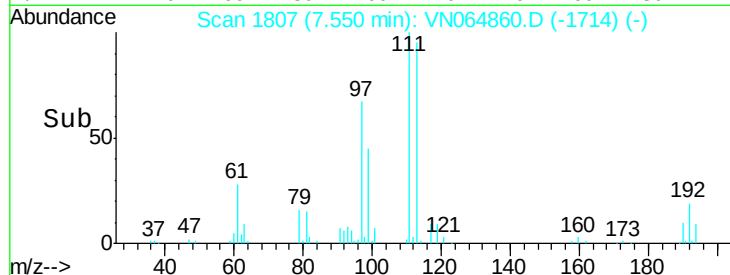
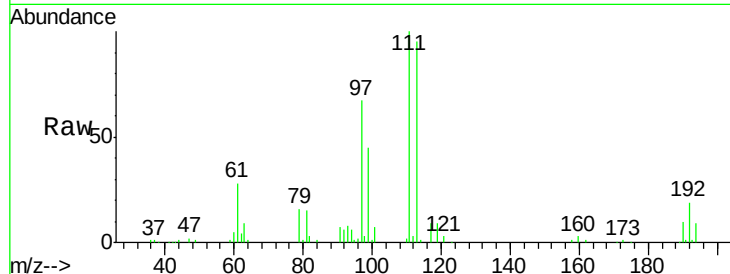
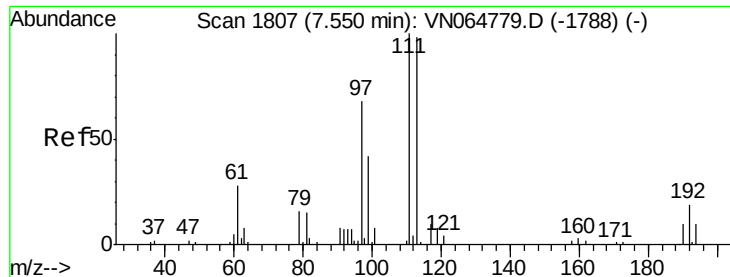
SAM
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	38.6	
88	15.5	0.0	32.6	





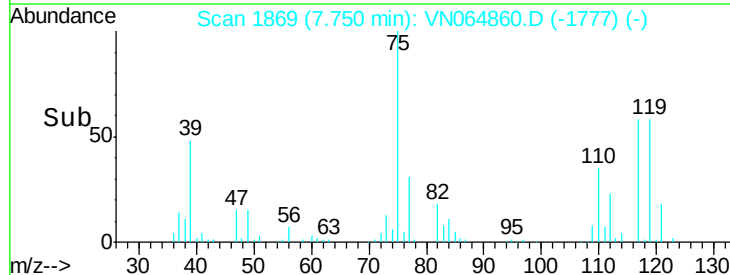
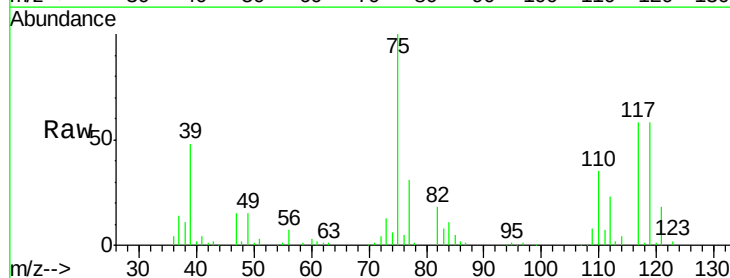
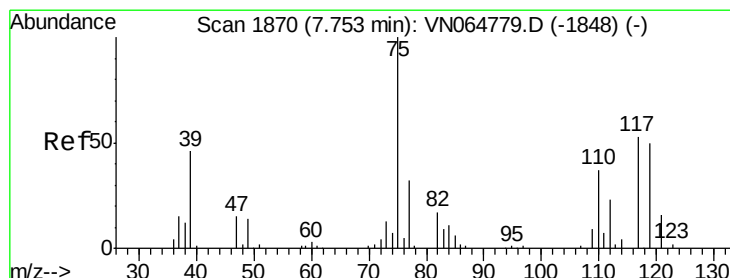
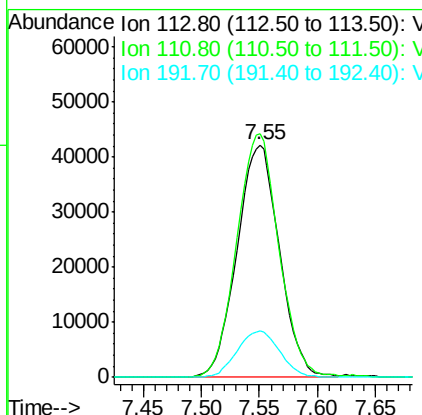
#35
Dibromofluoromethane
Concen: 49.668 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107118		
111	104.3	81.6	122.4	
192	20.0	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

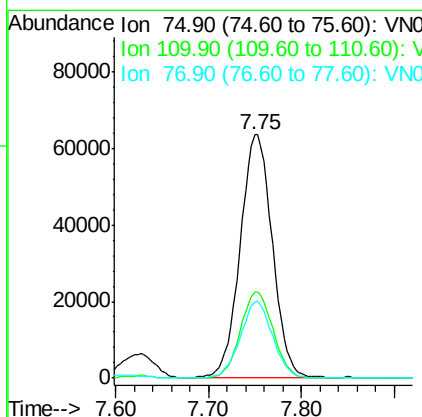
Manual Integrations
APPROVED

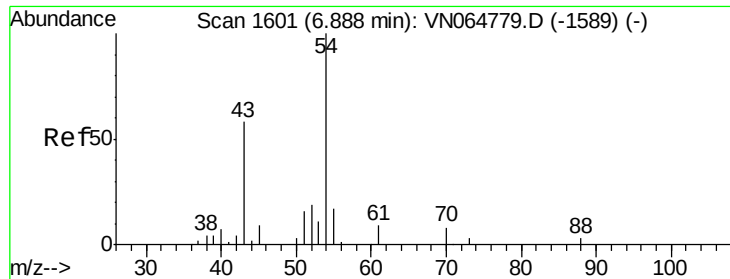
SAM
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#36
1,1-Dichloropropene
Concen: 45.952 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153516		
110	35.7	17.8	53.3	
77	31.6	25.0	37.4	





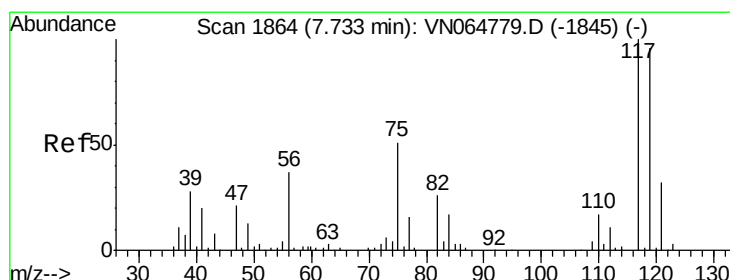
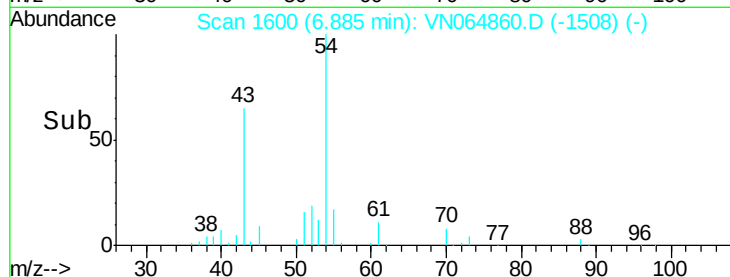
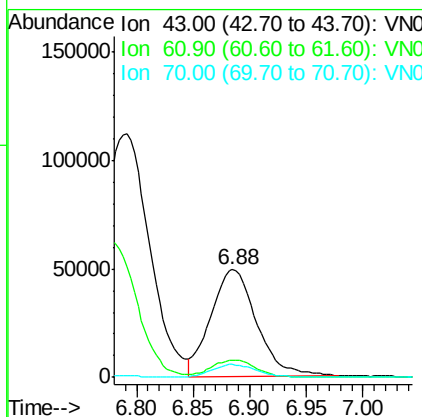
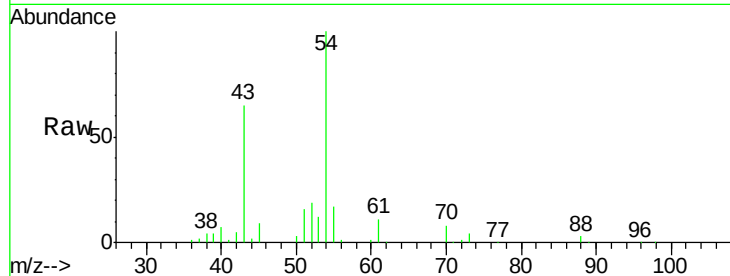
#37
Ethyl Acetate
Concen: 42.920 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.8	19.2
70	11.7	8.8	13.2

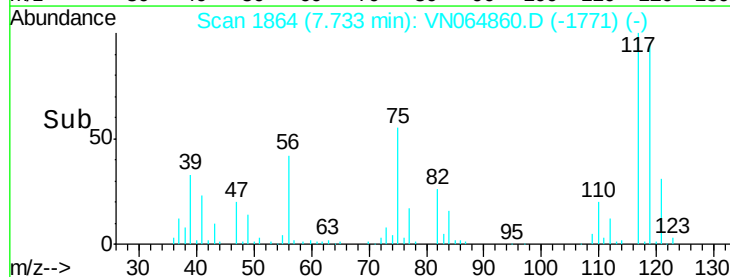
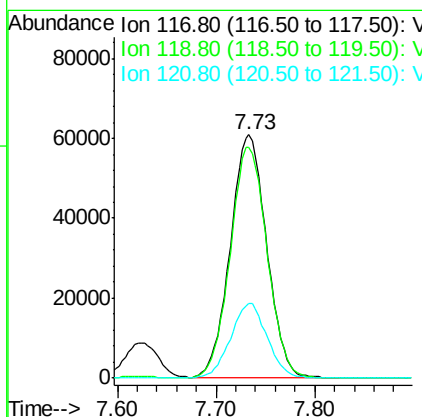
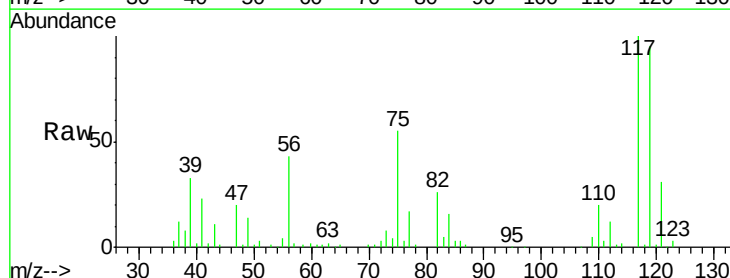
Manual Integrations
APPROVED

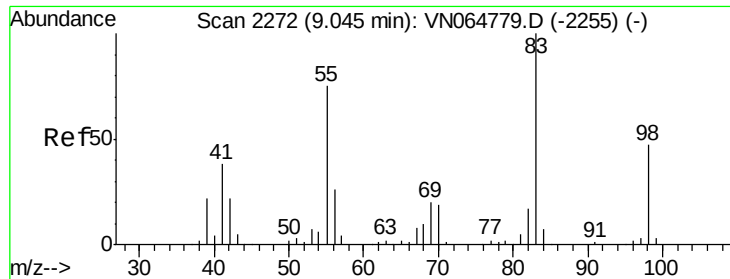
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#38
Carbon Tetrachloride
Concen: 45.020 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.7	115.1
121	30.7	25.4	38.2





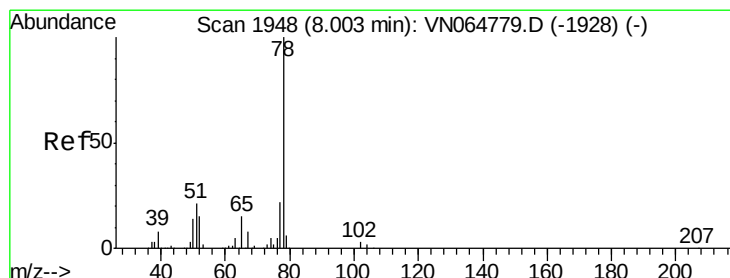
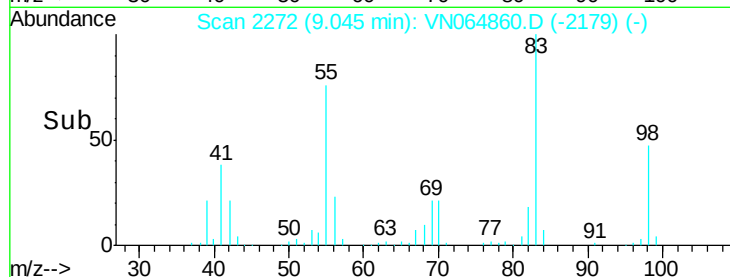
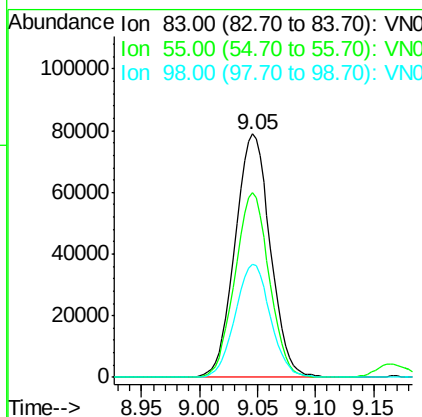
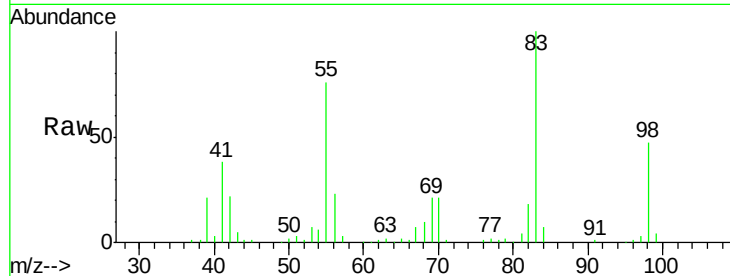
#39
Methylvlcyclohexane
Concen: 46.234 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.2	90.2
98	46.7	37.4	56.2

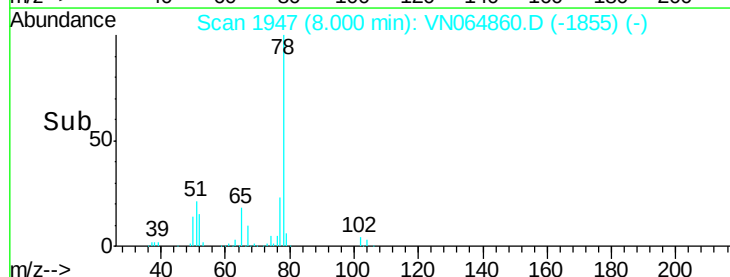
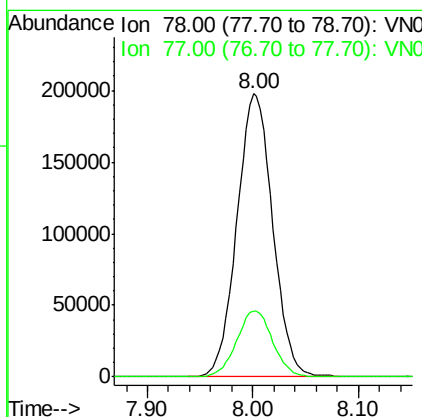
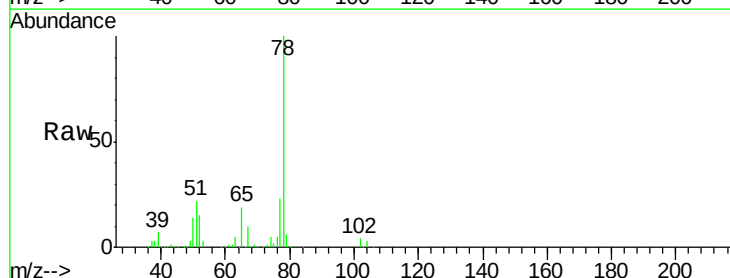
Manual Integrations
APPROVED

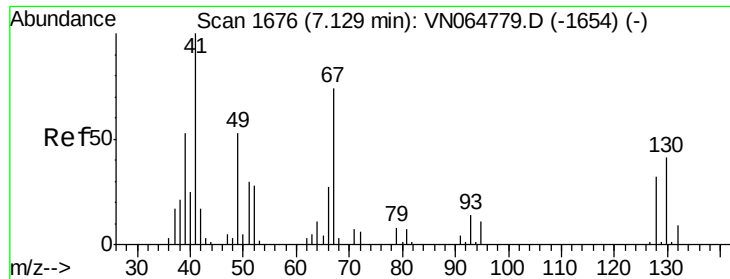
SAM
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#40
Benzene
Concen: 45.482 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.9	26.9





#41

Methacrylonitrile

Concen: 44.406 ug/l

RT: 7.13 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 65938

Ion Ratio Lower Upper

41 100

39 64.5 51.0 76.6

67 93.1 79.8 119.8

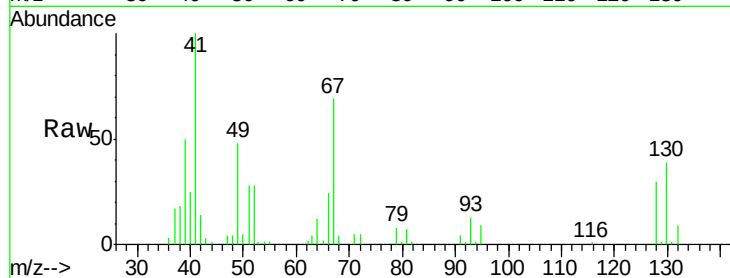
52 35.8 31.5 47.3

Manual Integrations

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SAM

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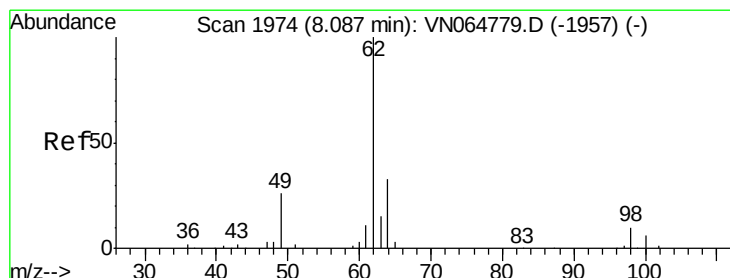
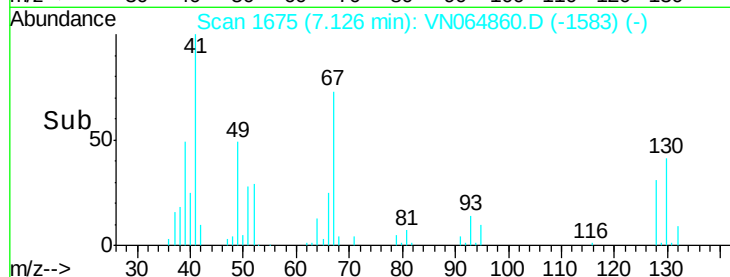
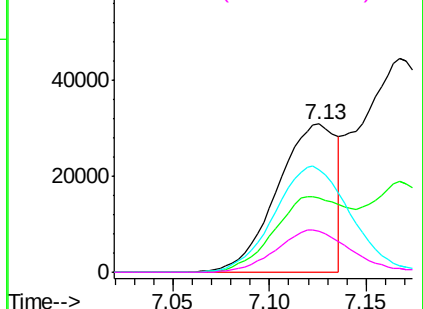


Abundance Ion 41.00 (40.70 to 41.70): VN064860.D (-1583) (-)

Ion 39.00 (38.70 to 39.70): VN064860.D (-1583) (-)

Ion 67.00 (66.70 to 67.70): VN064860.D (-1583) (-)

Ion 52.00 (51.70 to 52.70): VN064860.D (-1583) (-)



#42

1,2-Dichloroethane

Concen: 44.618 ug/l

RT: 8.08 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VN064860.D

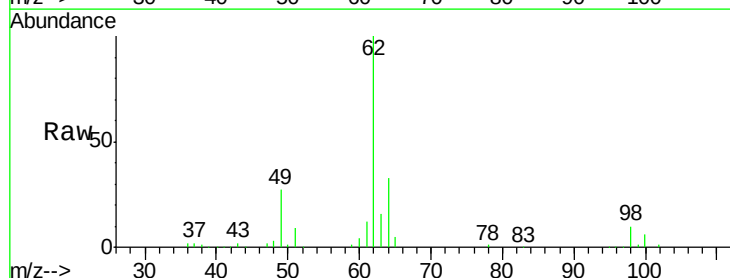
Acq: 25 Nov 2020 16:54

Tgt Ion: 62 Resp: 154090

Ion Ratio Lower Upper

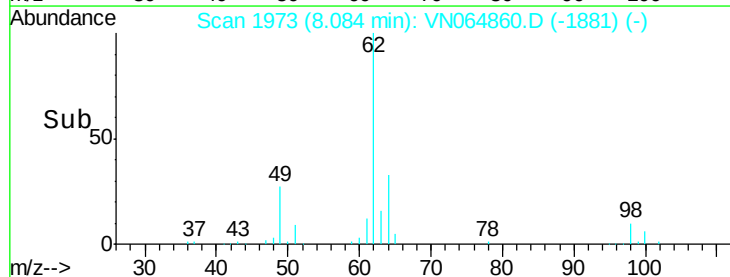
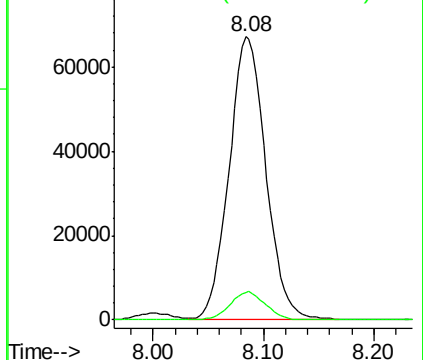
62 100

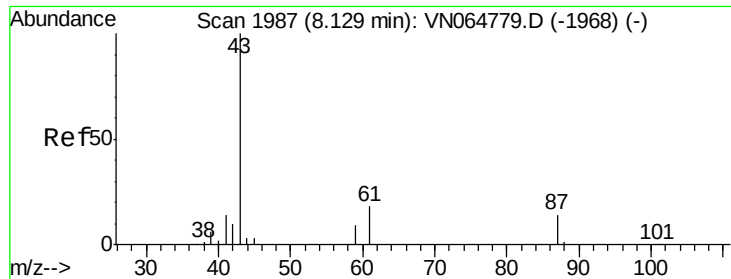
98 9.6 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN064860.D (-1881) (-)

Ion 97.90 (97.60 to 98.60): VN064860.D (-1881) (-)





#43

Isopropyl Acetate

Concen: 45.945 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

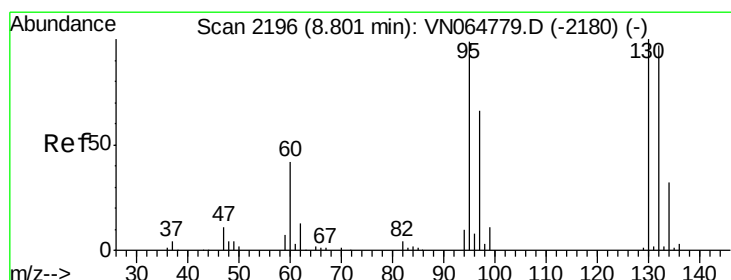
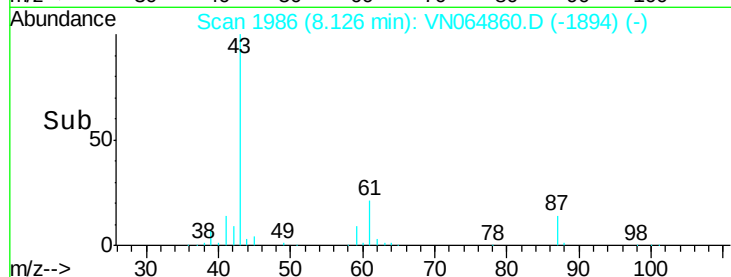
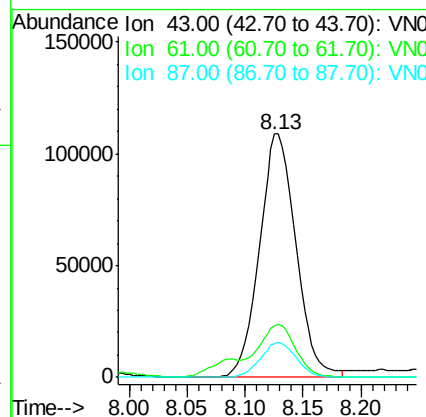
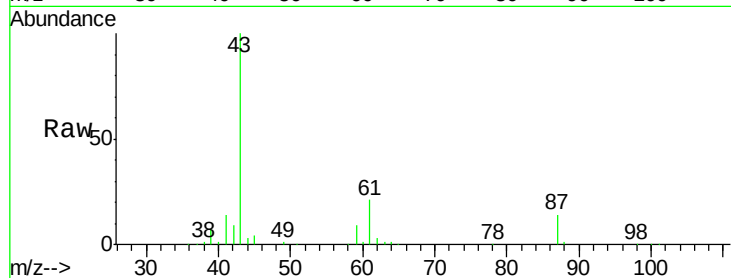
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	237919
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.2	25.8
87	14.1	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 49.052 ug/l

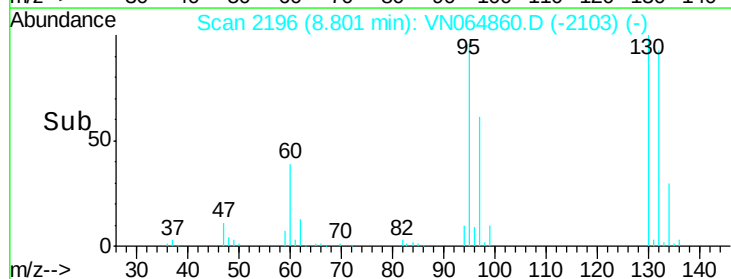
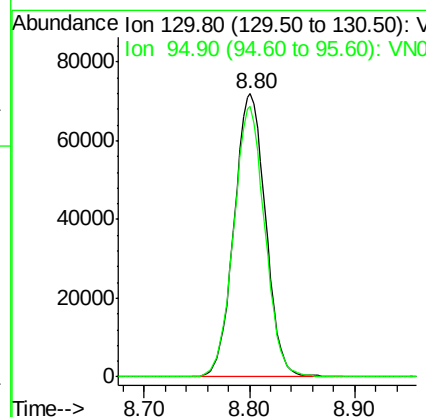
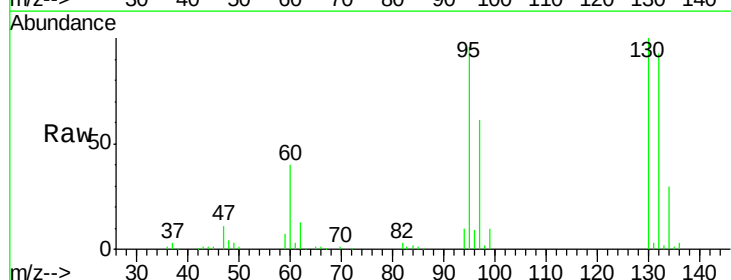
RT: 8.80 min Scan# 2196

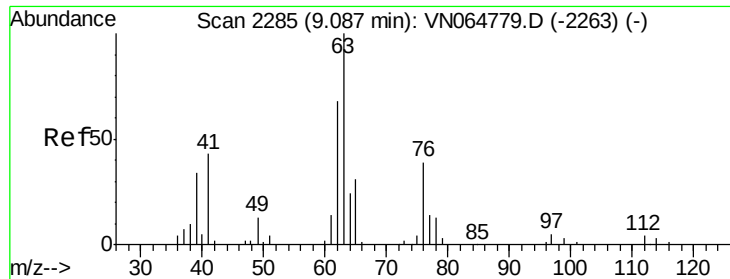
Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	130	Resp:	148165
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	197.8





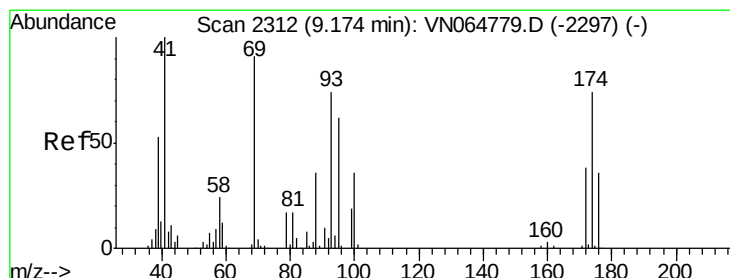
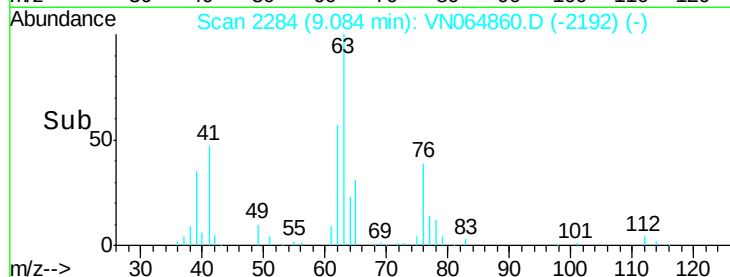
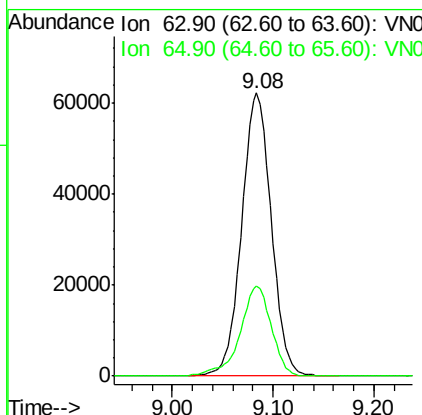
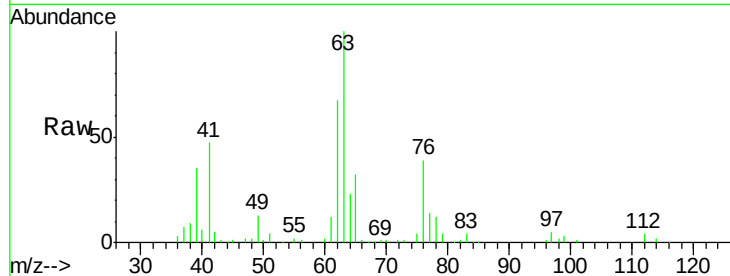
#45
 1,2-Dichloropropane
 Concen: 47.531 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 126012
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.4

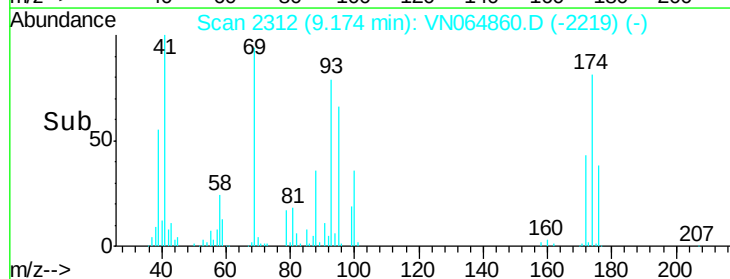
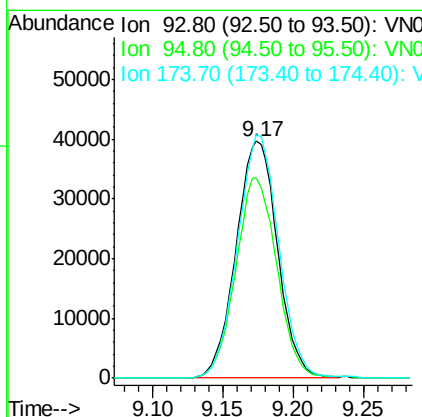
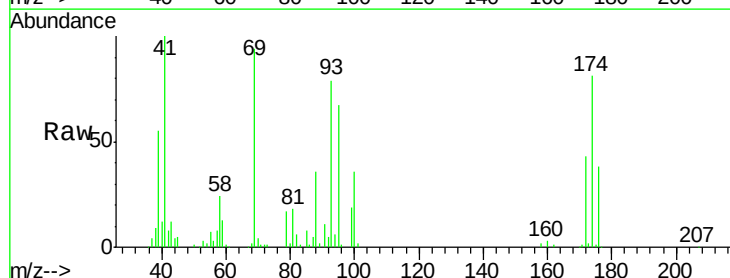
Manual Integrations
 APPROVED

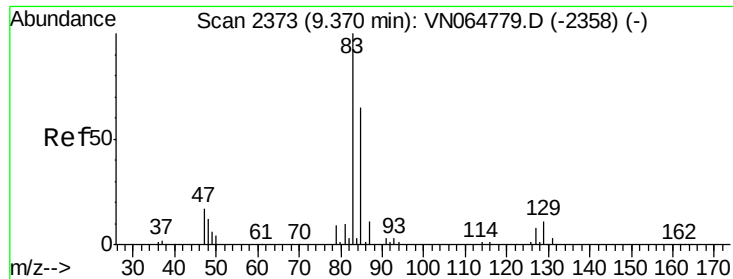
SAM
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#46
 Dibromomethane
 Concen: 46.087 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Tgt Ion: 93 Resp: 81627
 Ion Ratio Lower Upper
 93 100
 95 83.9 68.8 103.2
 174 102.2 83.1 124.7





#47

Bromodichloromethane

Concen: 46.064 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

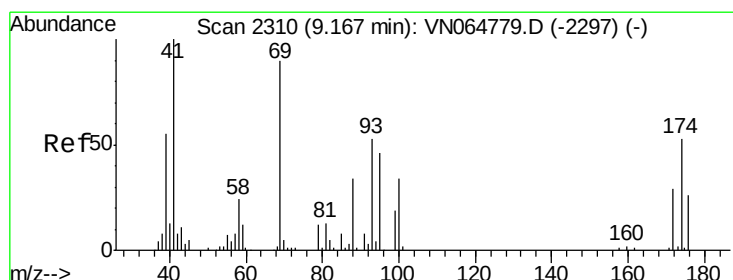
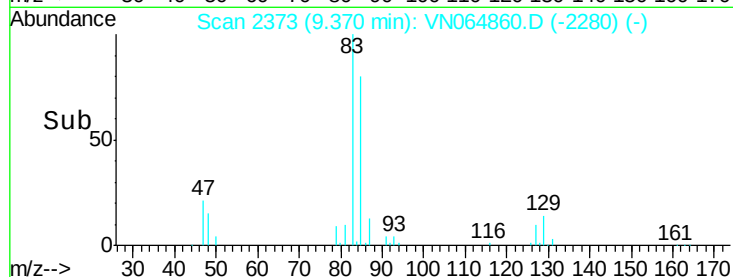
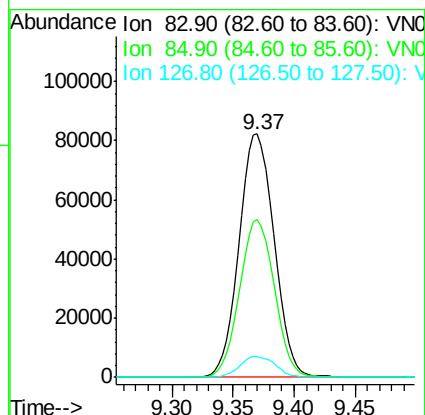
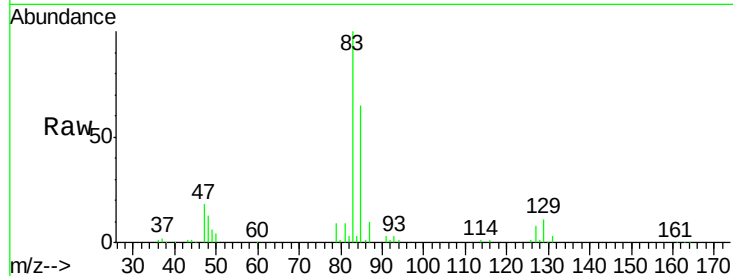
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	164162
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.8	77.8
127	8.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.400 ug/l

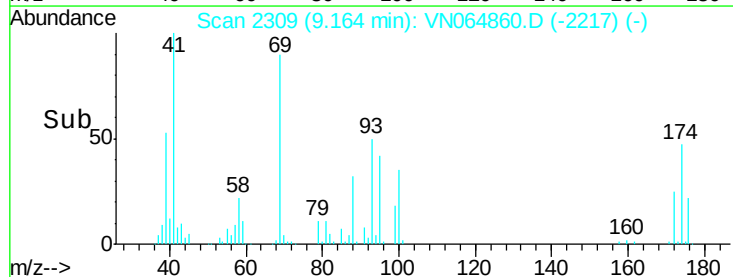
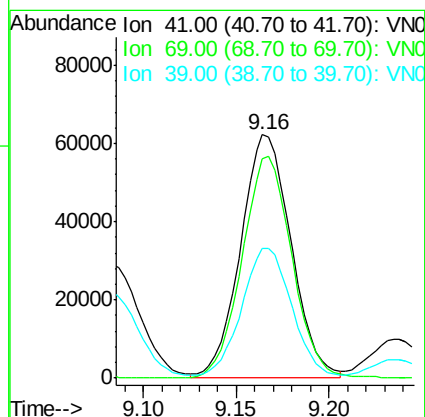
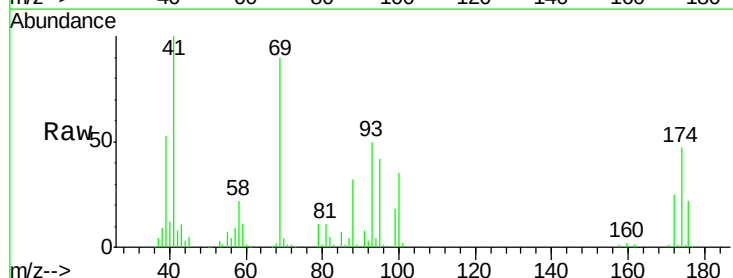
RT: 9.16 min Scan# 2309

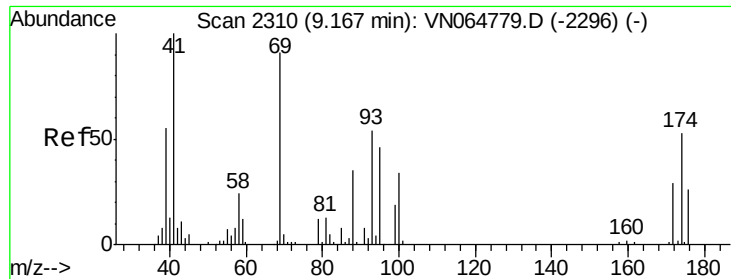
Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	41	Resp:	117285
Ion Ratio	Lower	Upper	
41	100		
69	90.3	71.8	107.8
39	53.6	44.1	66.1





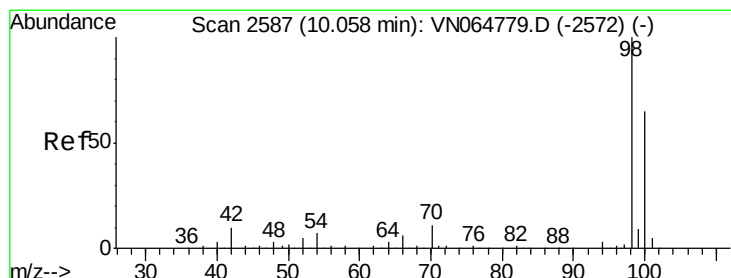
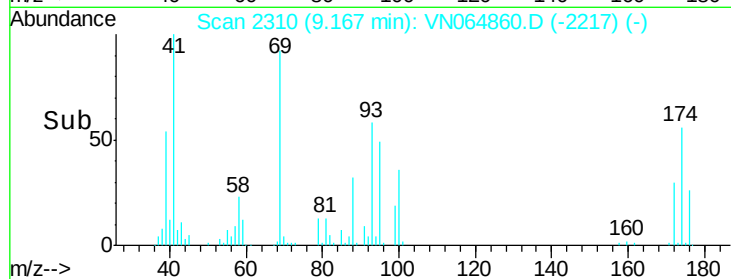
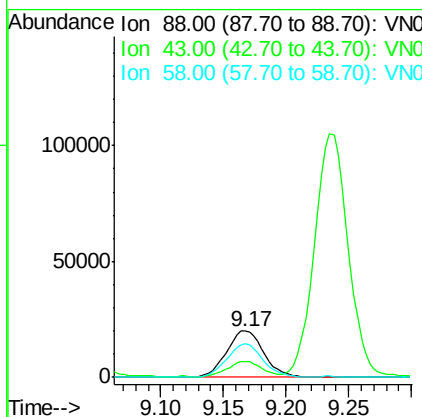
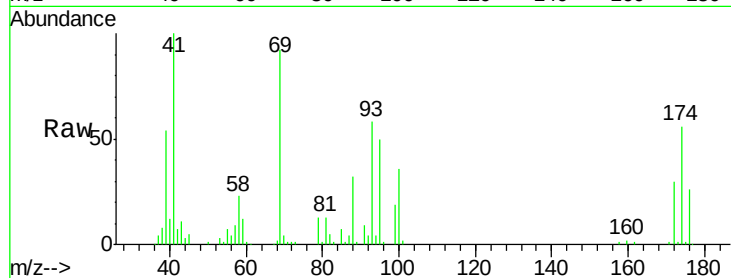
#49
 1,4-Dioxane
 Concen: 881.016 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.2	36.4
58	69.8	52.5	78.7

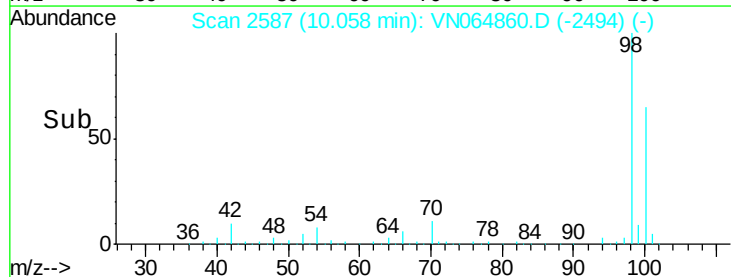
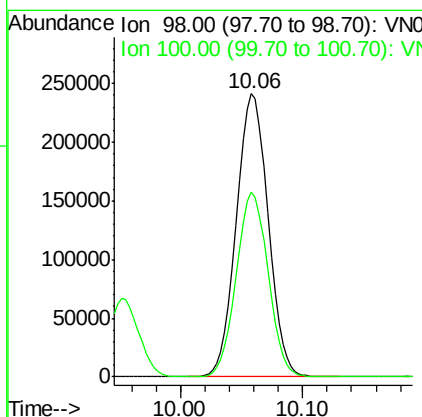
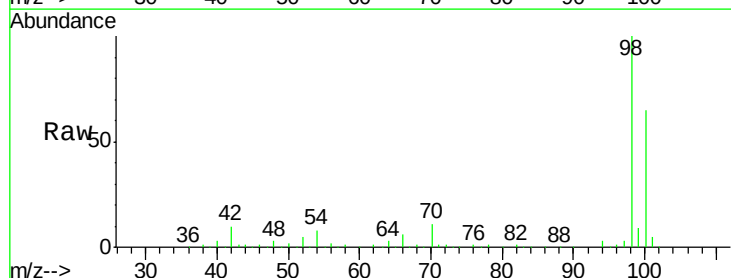
Manual Integrations
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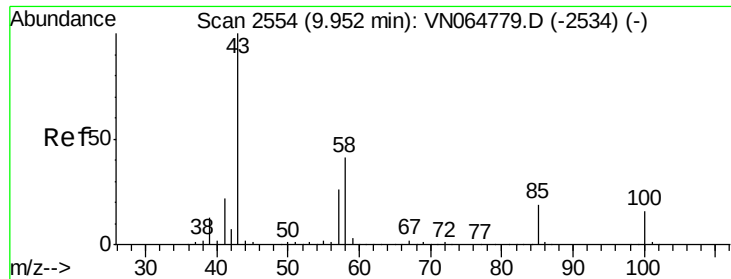
SAM
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#50
 Toluene-d8
 Concen: 49.573 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 232.321 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 722236

Ion Ratio Lower Upper

43 100

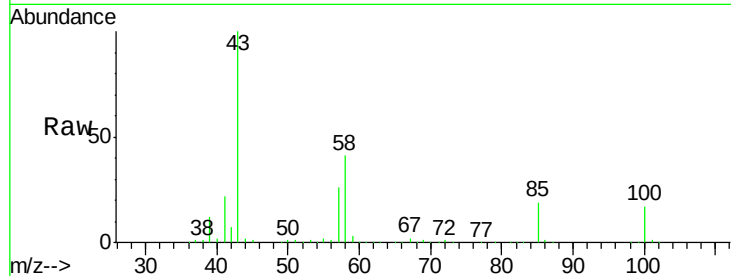
58 40.7 32.4 48.6

Manual Integrations

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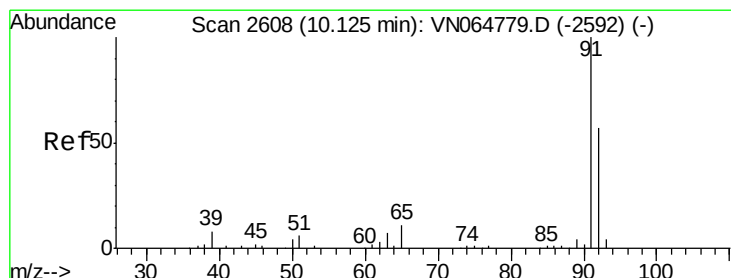
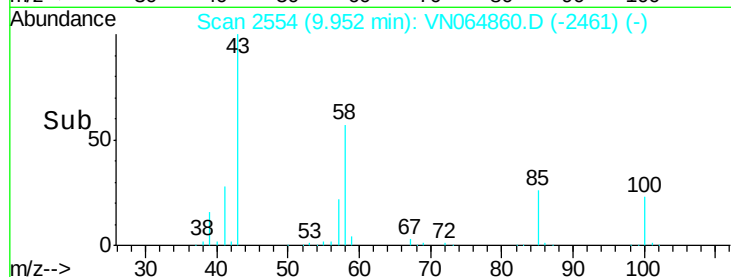
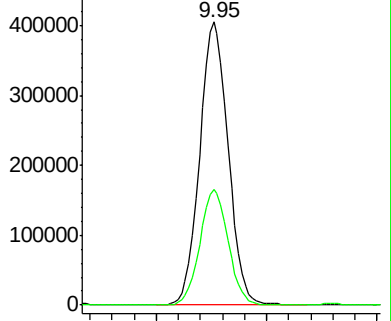
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 46.567 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064860.D

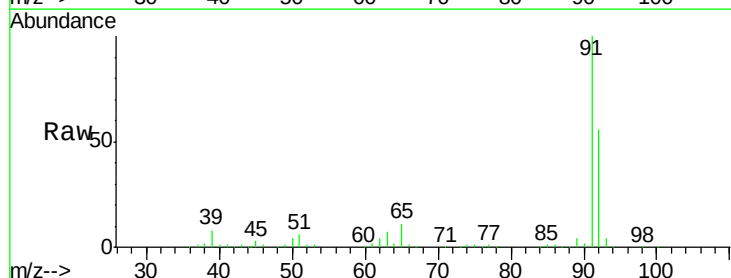
Acq: 25 Nov 2020 16:54

Tgt Ion: 92 Resp: 293588

Ion Ratio Lower Upper

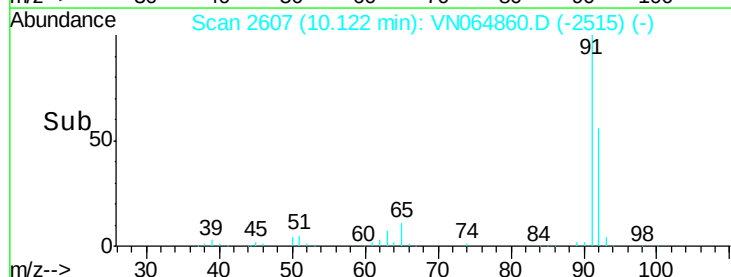
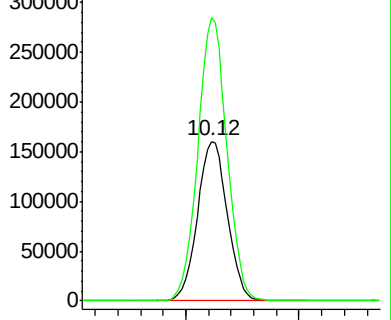
92 100

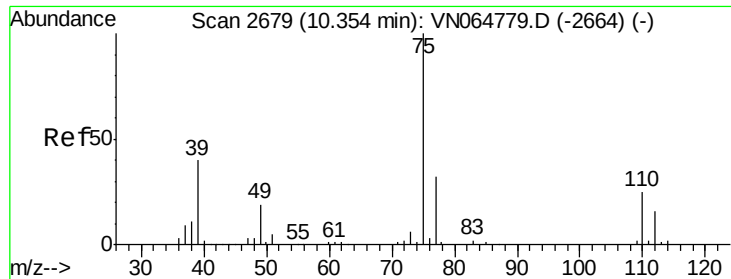
91 172.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 46.140 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 183145

Ion Ratio Lower Upper

75 100

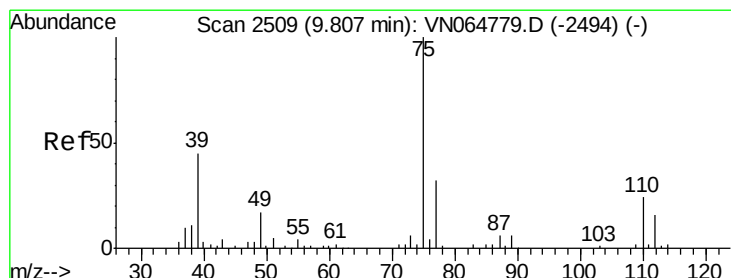
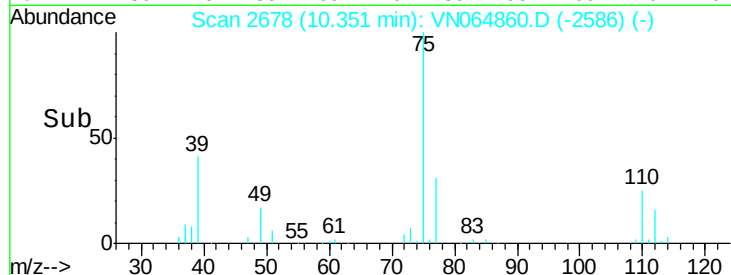
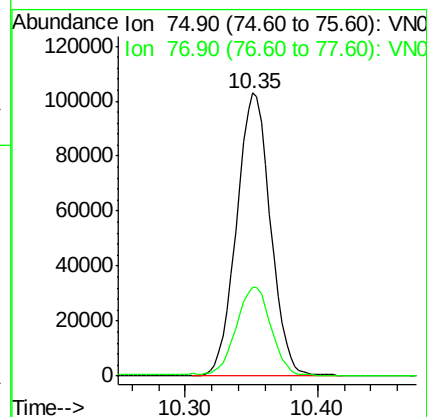
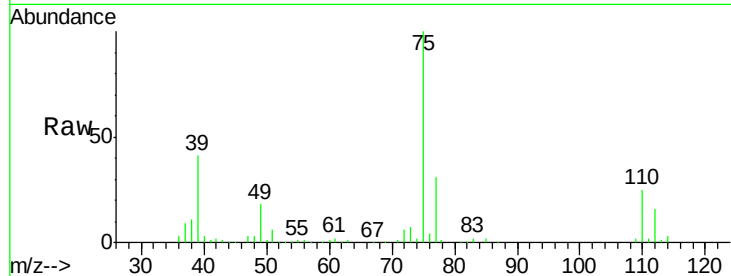
77 31.1 25.8 38.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 47.167 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

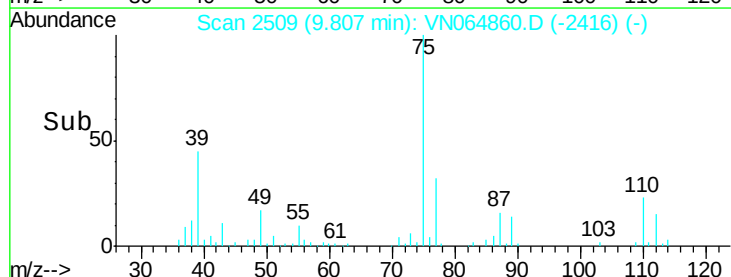
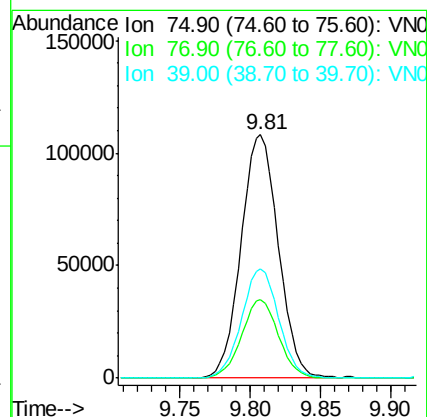
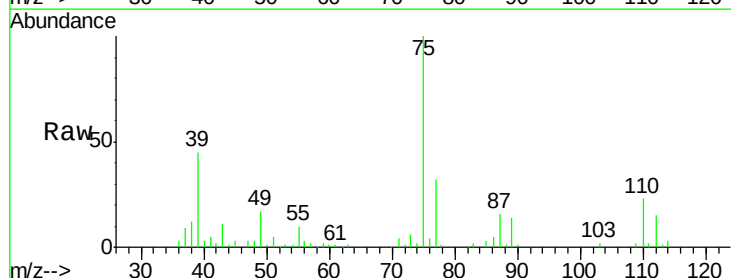
Tgt Ion: 75 Resp: 200678

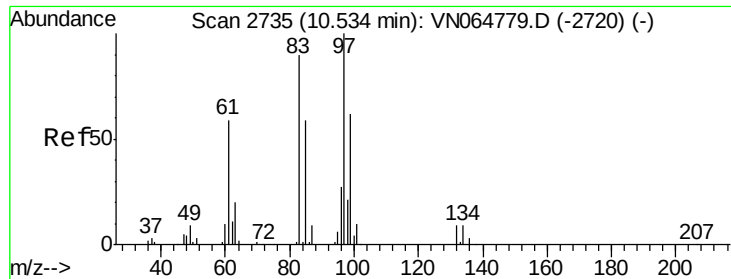
Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 44.9 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 46.019 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

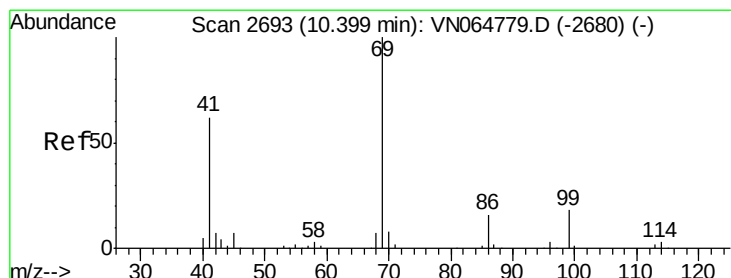
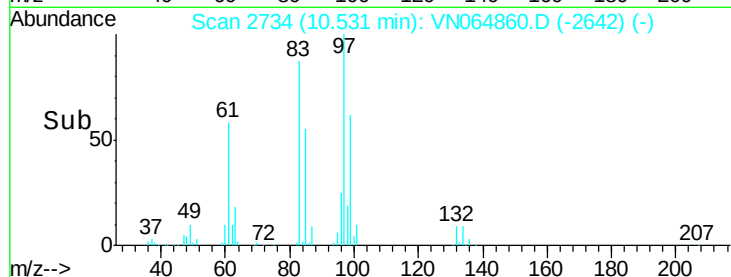
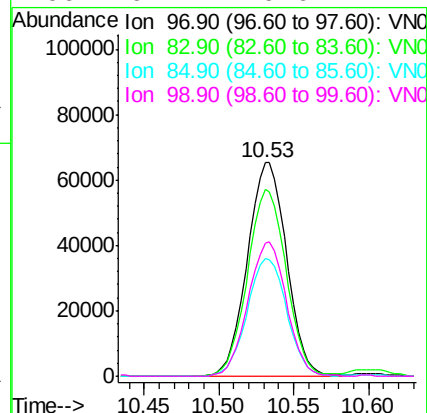
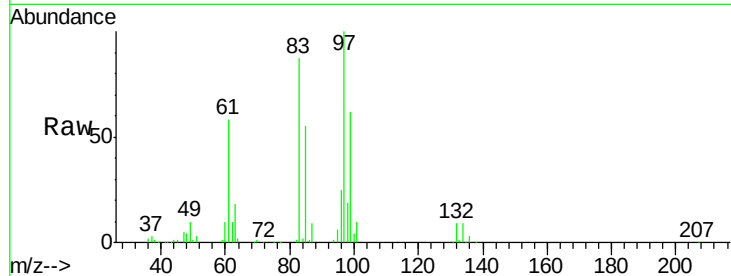
VSTDCCC050EC

Tot Ion:	97	Resp:	119306
Ion	Ratio	Lower	Upper
97	100		
83	87.2	72.1	108.1
85	55.0	46.8	70.2
99	62.2	49.6	74.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.269 ug/l

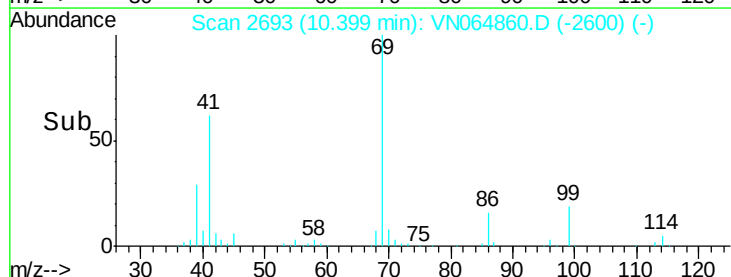
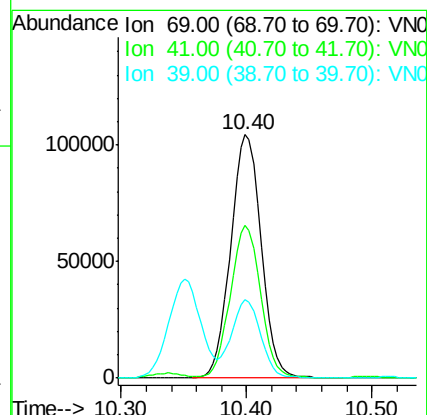
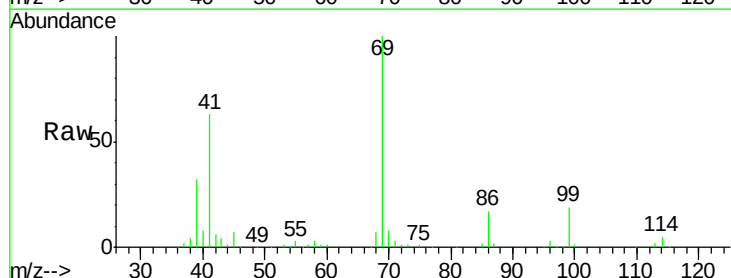
RT: 10.40 min Scan# 2693

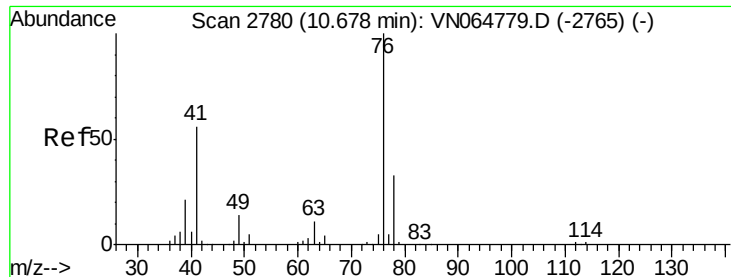
Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	69	Resp:	176265
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.4	74.0
39	31.1	25.9	38.9





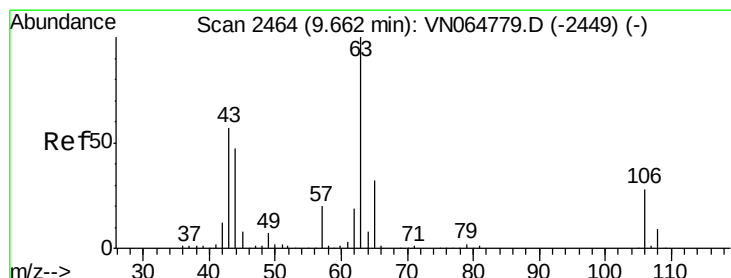
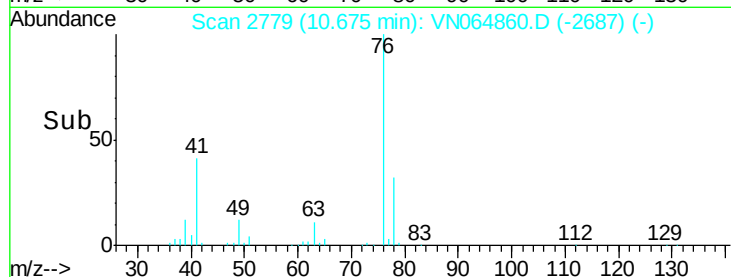
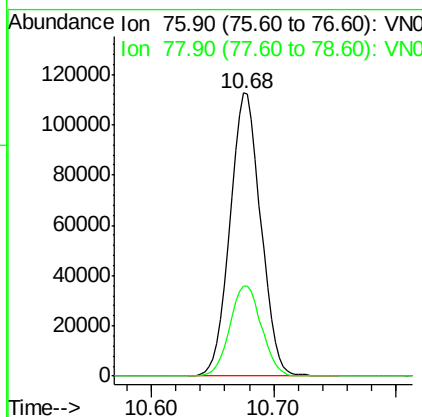
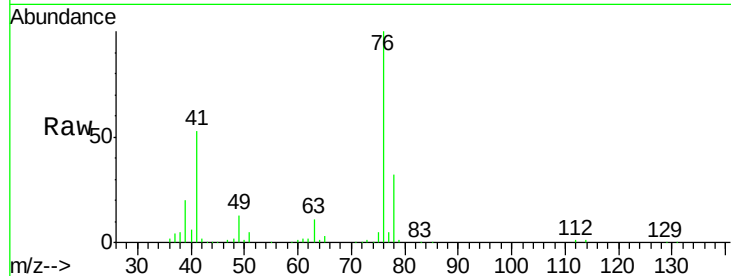
#57
 1,3-Dichloropropane
 Concen: 46.229 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 197703
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1

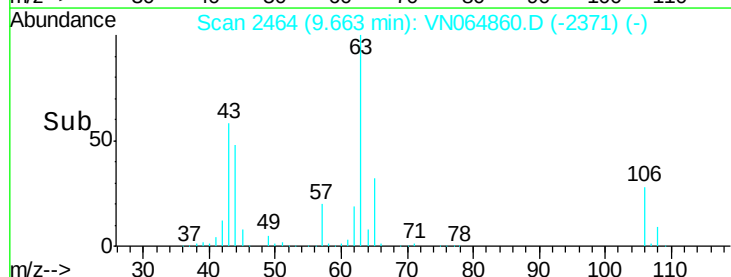
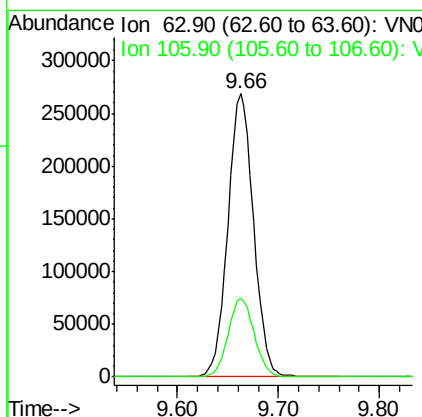
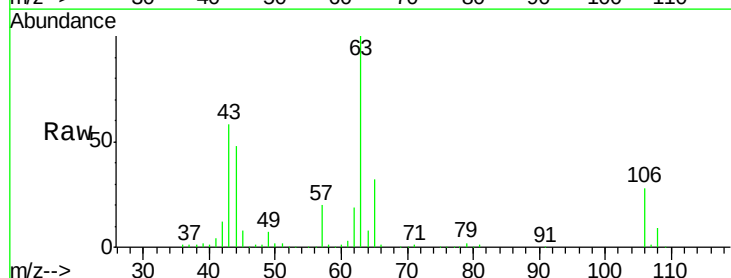
Manual Integrations
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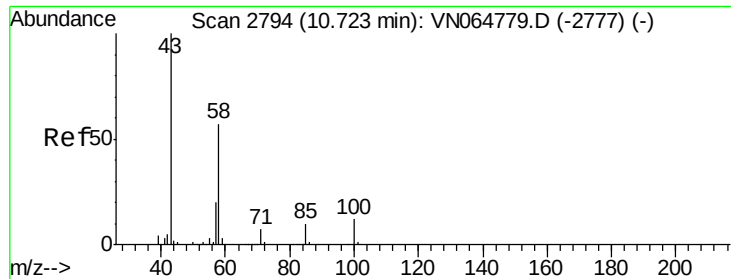
SAM
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.497 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Tgt Ion: 63 Resp: 477215
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.7 34.1





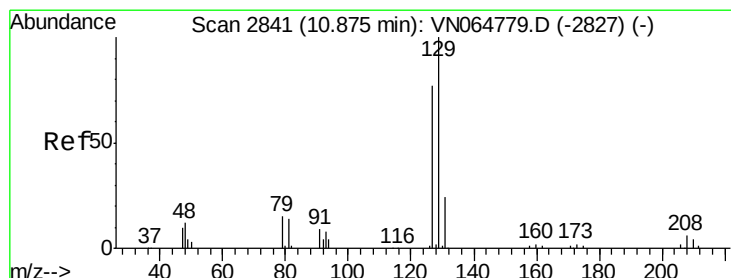
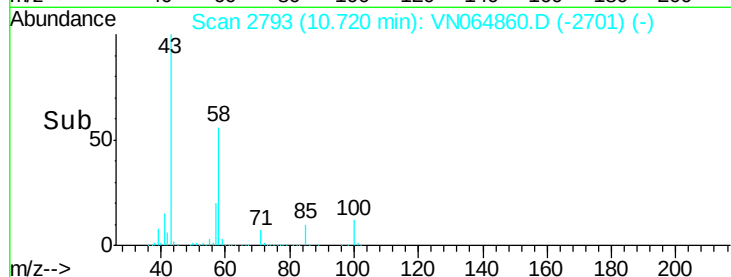
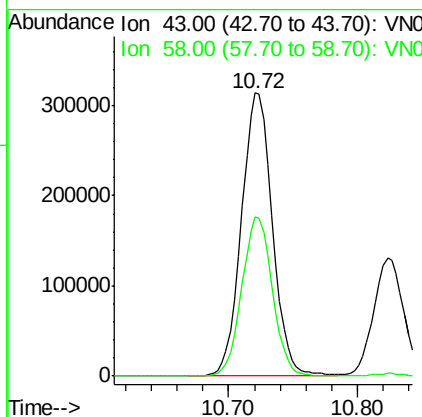
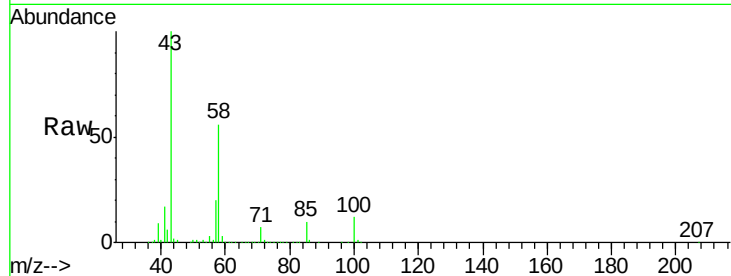
#59
2-Hexanone
Concen: 233.804 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	28.3	84.9

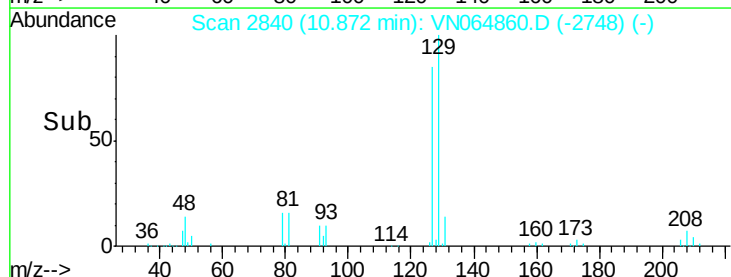
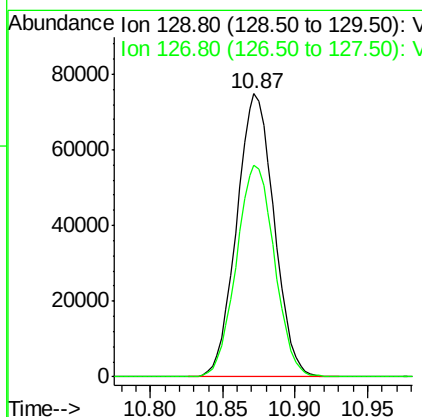
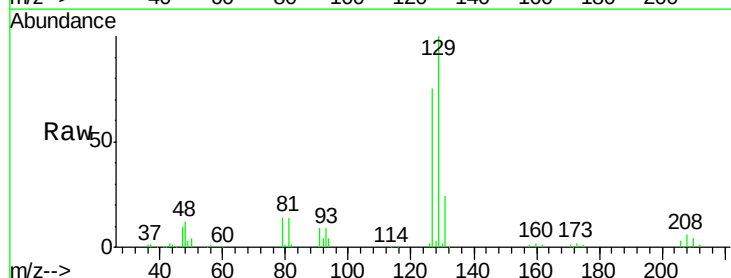
Manual Integrations
APPROVED

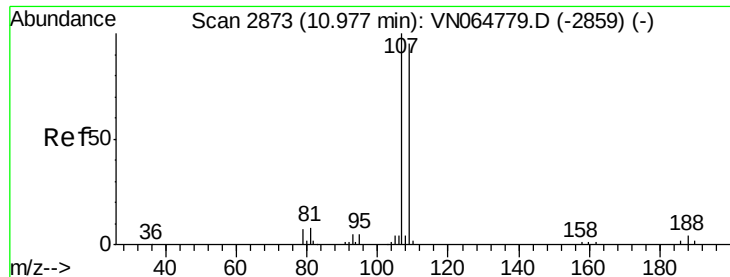
SAM
11/27/2020 1:37:58 PM



#60
Dibromochloromethane
Concen: 46.622 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	39.1	117.2





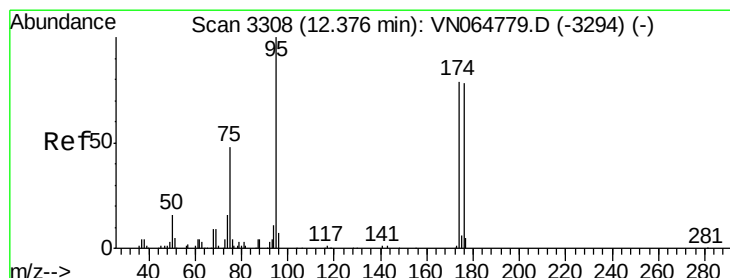
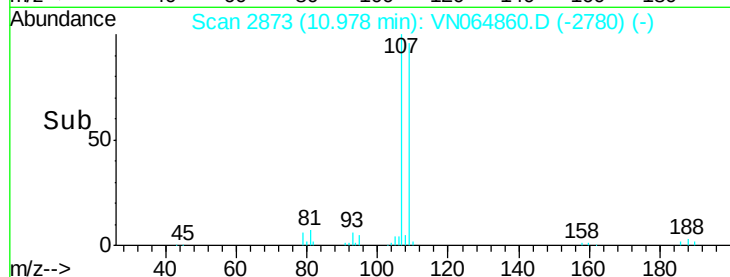
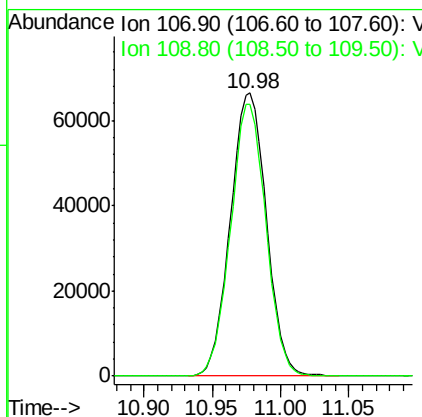
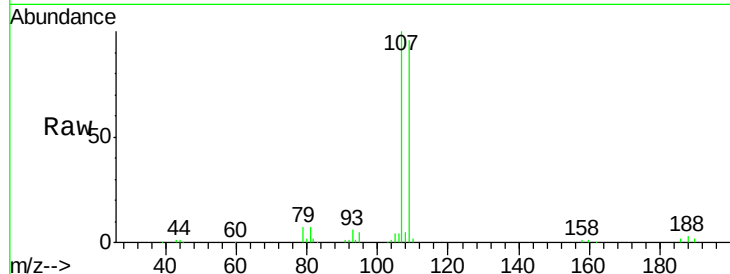
#61
1,2-Dibromoethane
Concen: 46.262 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	121852		
109	94.2	76.0	114.0	

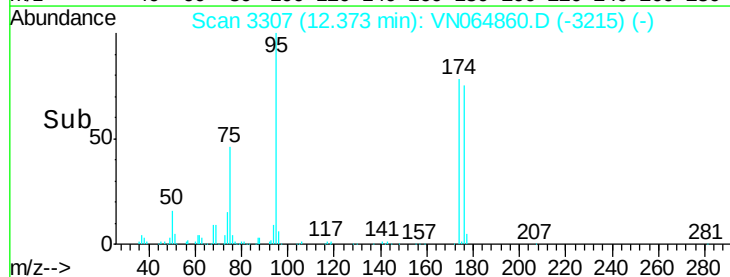
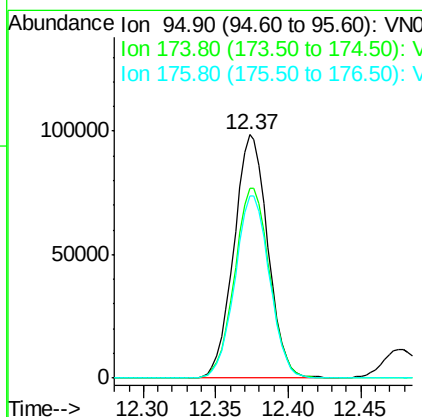
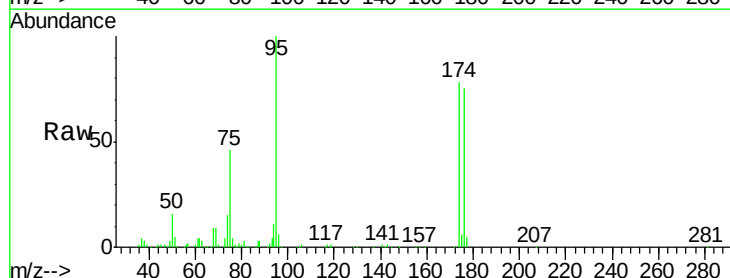
Manual Integrations
APPROVED

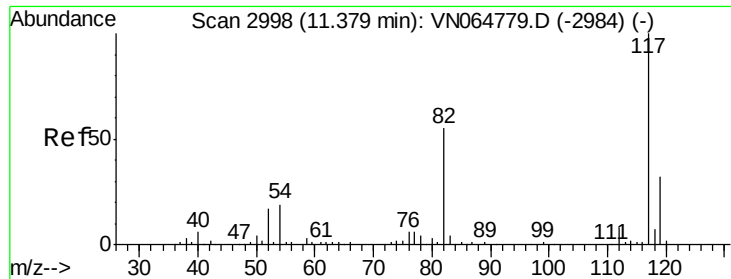
SAM
11/27/2020 1:37:58 PM



#62
4-Bromofluorobenzene
Concen: 50.845 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	160349		
174	80.1	0.0	160.4	
176	76.2	0.0	158.4	





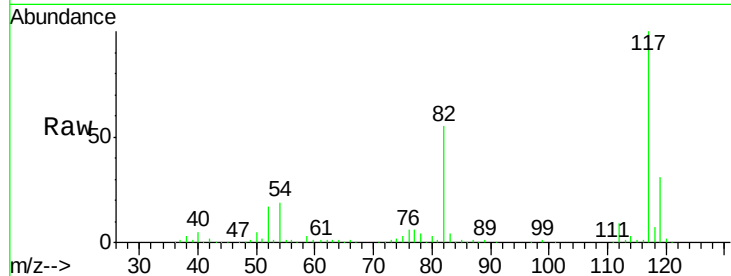
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.2	66.2
119	31.0	25.8	38.6

Manual Integrations
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SAM
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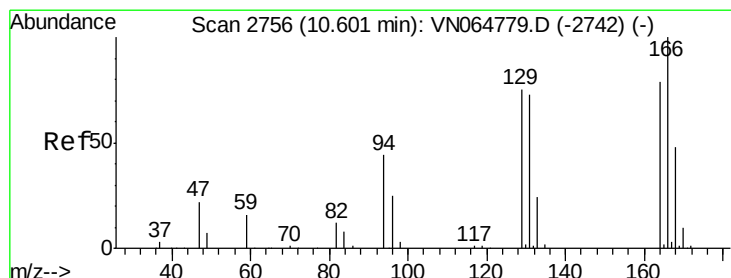
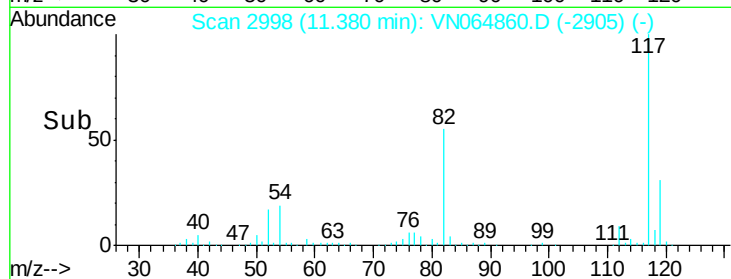
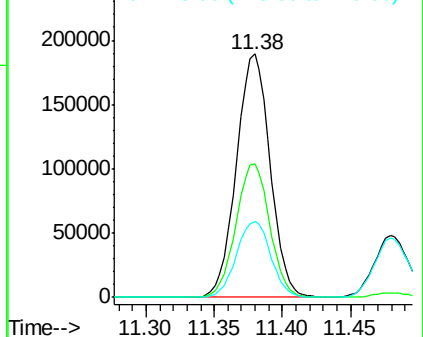


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 53.237 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.4	152.0
129	96.3	76.1	114.1
131	94.4	74.2	111.2

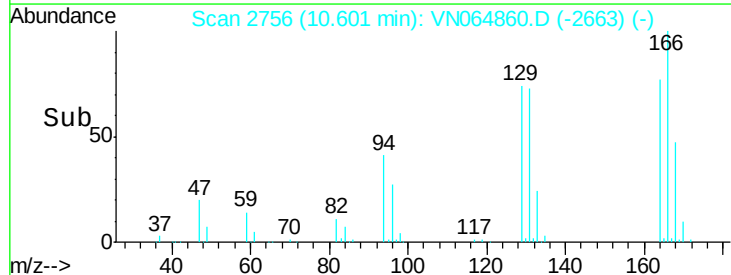
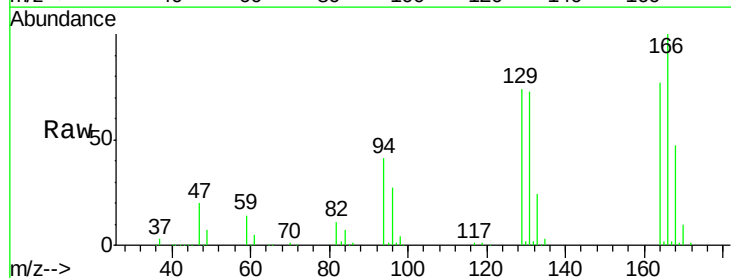
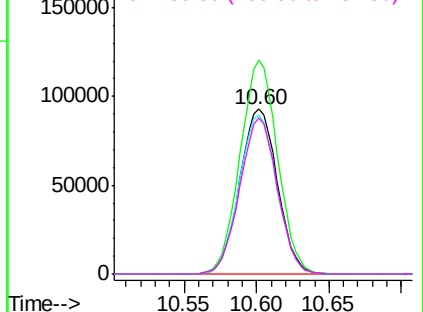
Abundance

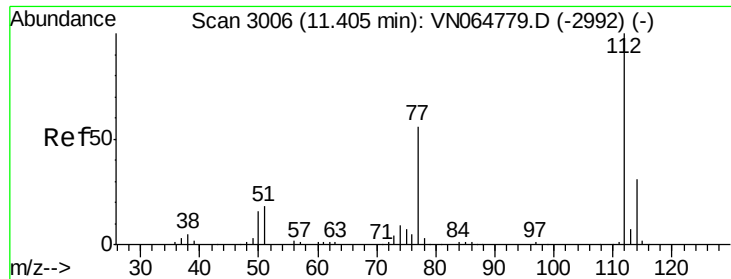
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





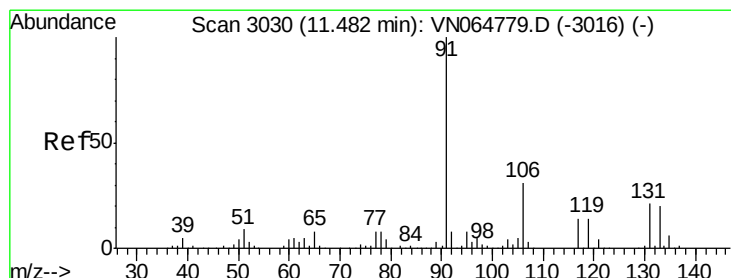
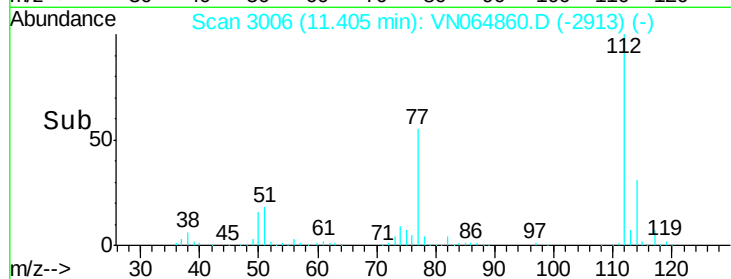
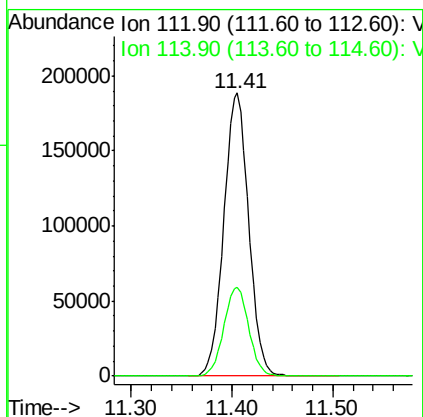
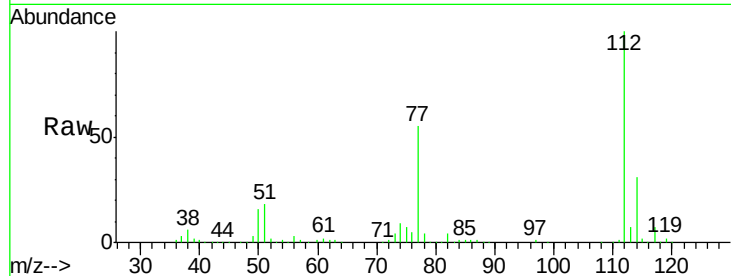
#65
Chlorobenzene
Concen: 46.609 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 325107
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

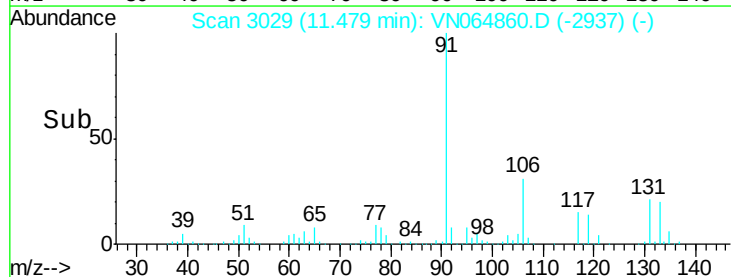
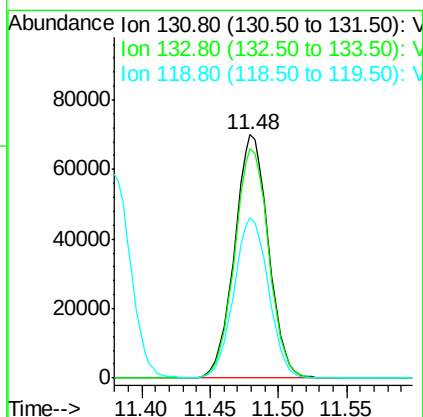
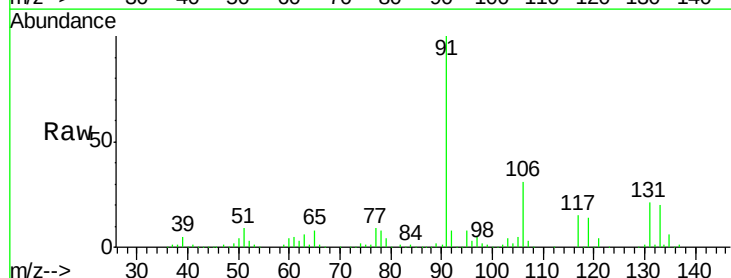
Manual Integrations
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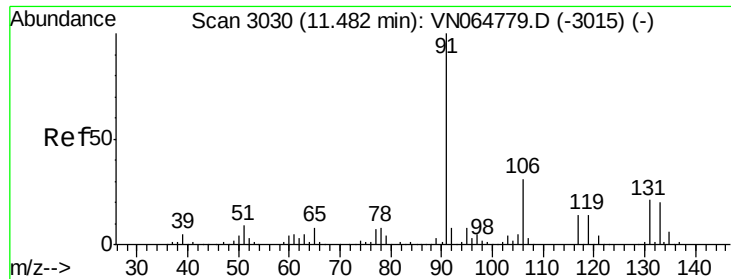
SAM
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.033 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion:131 Resp: 120564
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 67.2 33.3 99.8





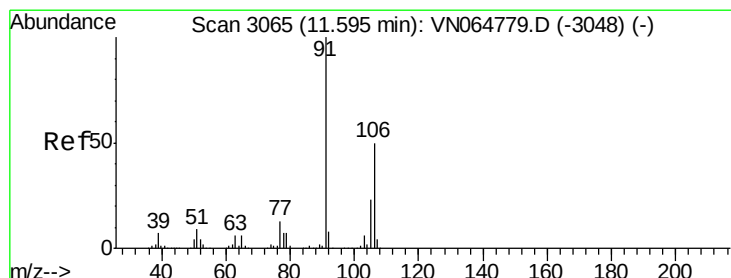
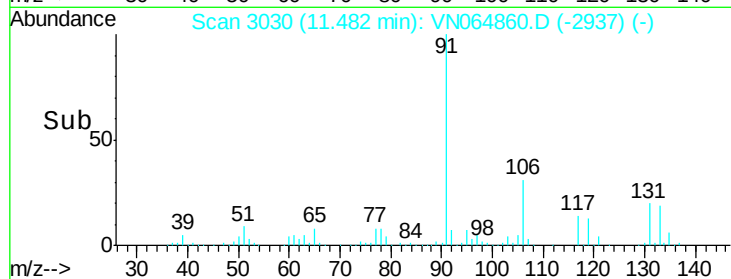
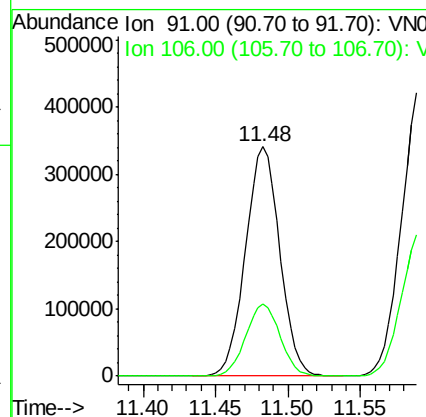
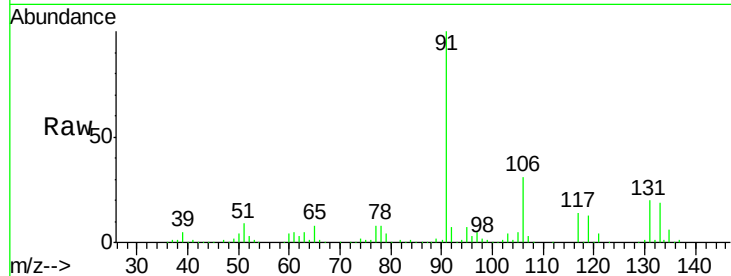
#67
Ethyl Benzene
Concen: 48.176 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 561372
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

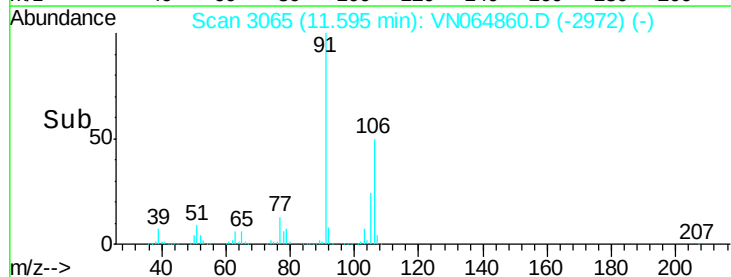
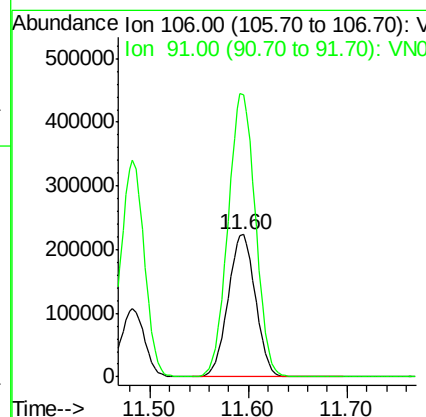
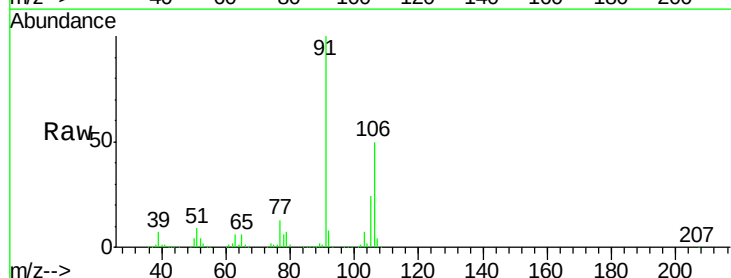
Manual Integrations
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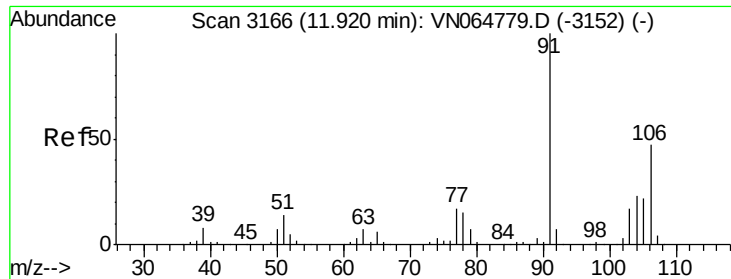
SAM
11/27/2020 1:37:58 PM



#68
m/p-Xylenes
Concen: 98.593 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion: 106 Resp: 434966
Ion Ratio Lower Upper
106 100
91 199.0 161.0 241.4





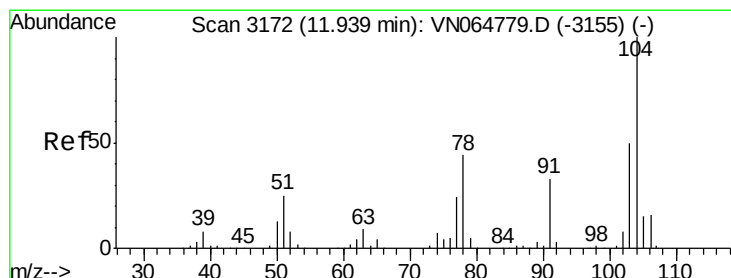
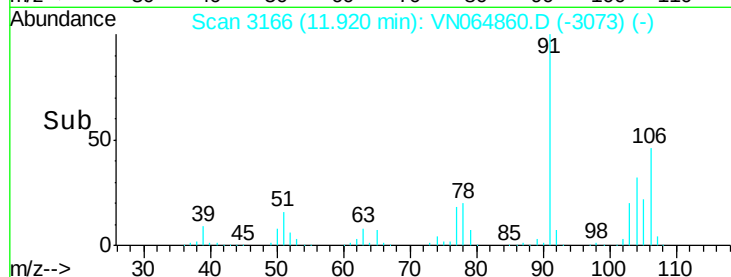
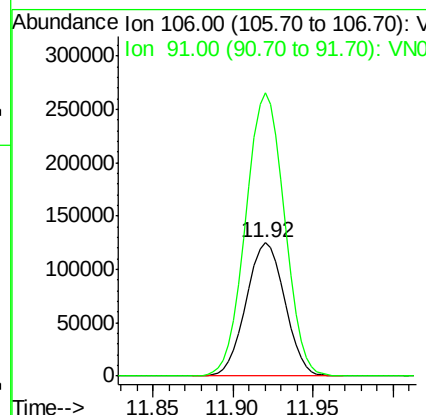
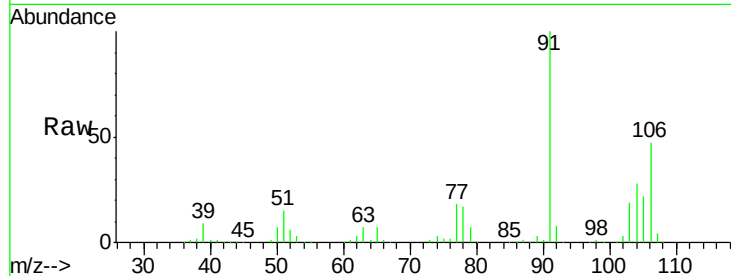
#69
o-Xylene
Concen: 49.351 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 206608
Ion Ratio Lower Upper
106 100
91 212.4 105.5 316.5

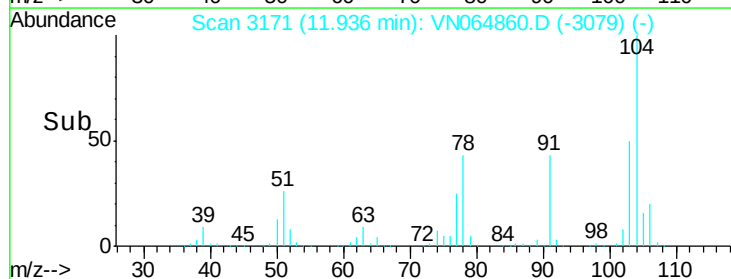
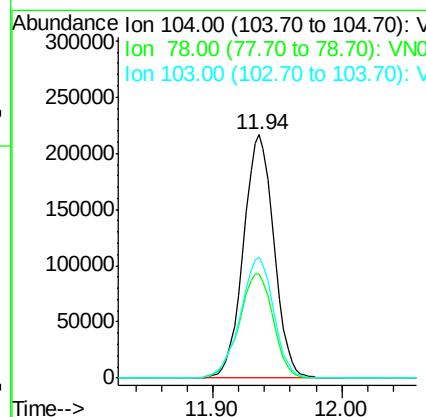
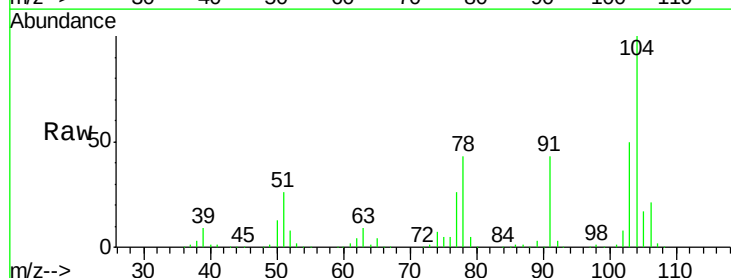
Manual Integrations
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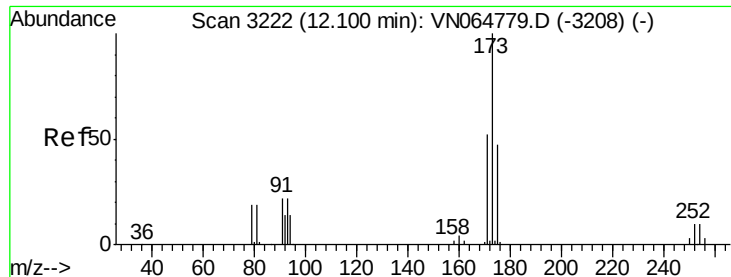
SAM
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#70
Styrene
Concen: 50.439 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion:104 Resp: 356477
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.6
103 54.2 44.3 66.5





#71

Bromoform

Concen: 45.571 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 93301

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

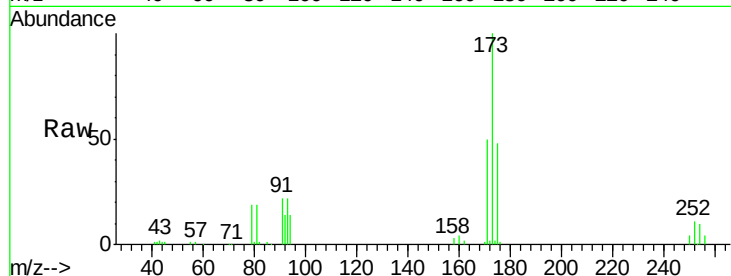
254 0.1 0.0 0.0#

Manual Integrations

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SAM

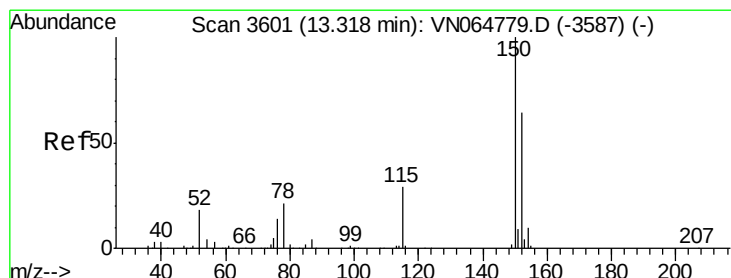
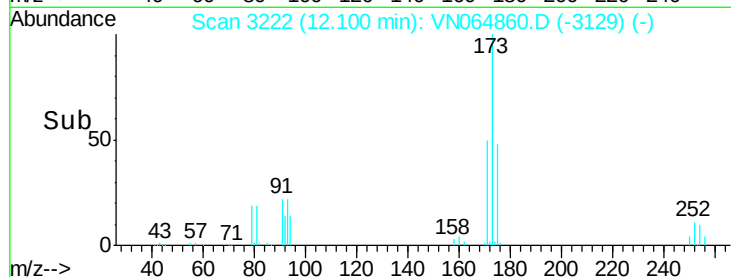
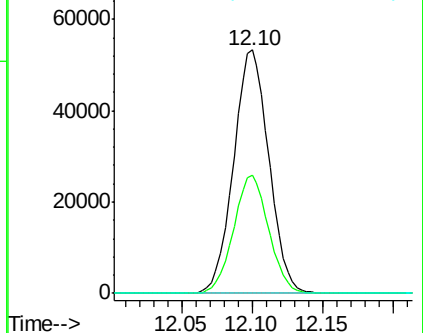
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN064860.D

Acq: 25 Nov 2020 16:54

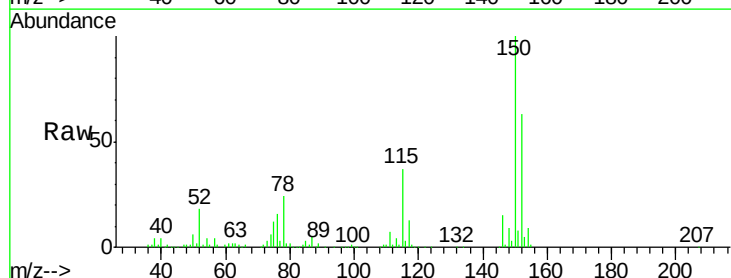
Tgt Ion:152 Resp: 160378

Ion Ratio Lower Upper

152 100

115 60.6 29.7 89.1

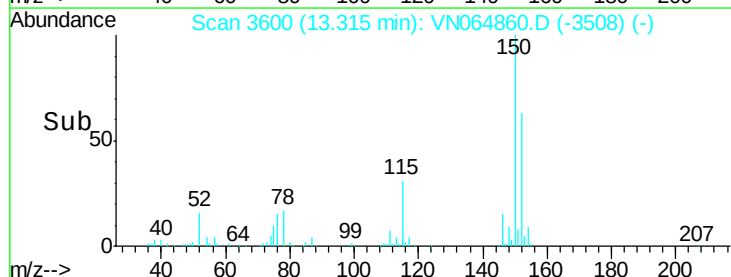
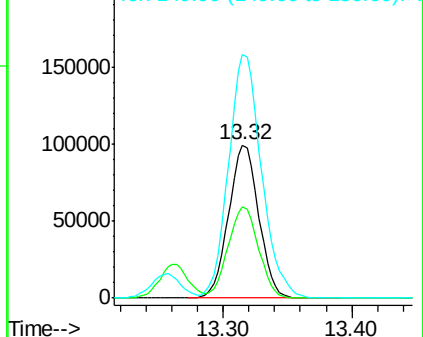
150 174.2 0.0 350.6

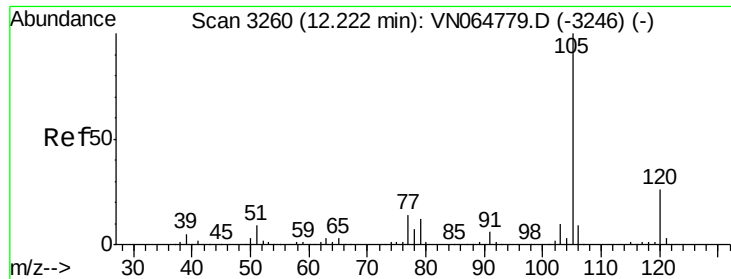


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





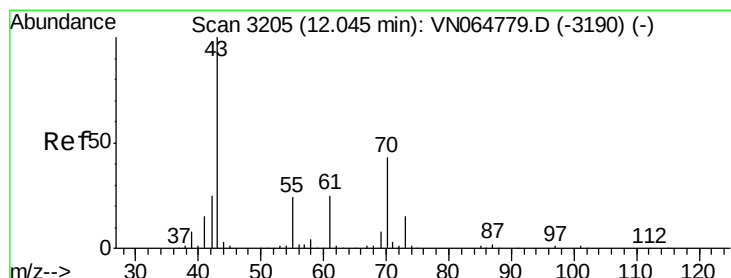
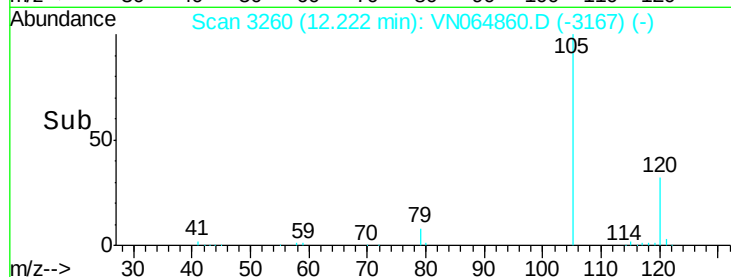
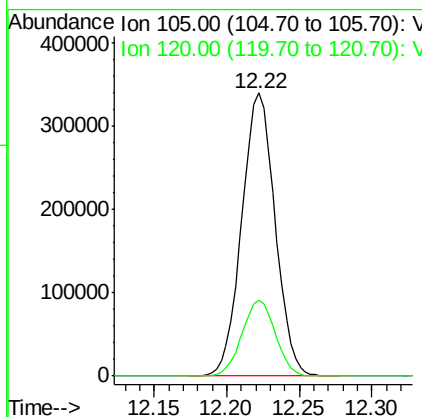
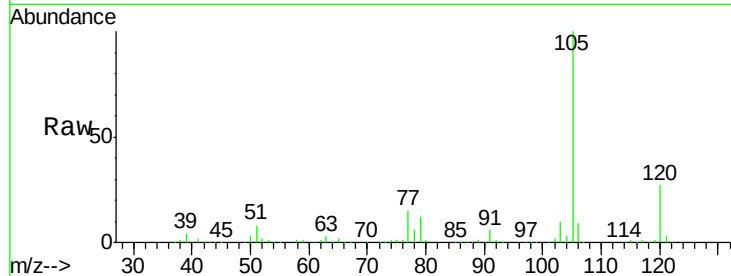
#73
Isopropylbenzene
Concen: 48.846 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 544897
Ion Ratio Lower Upper
105 100
120 27.0 13.3 39.9

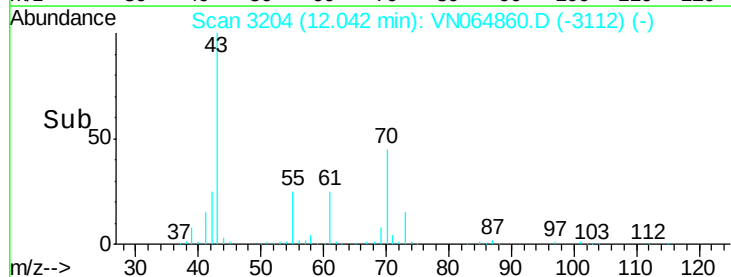
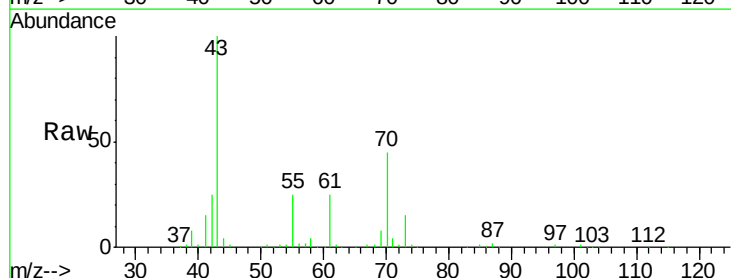
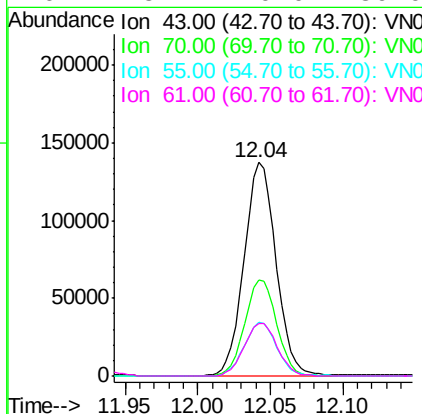
Manual Integrations
APPROVED

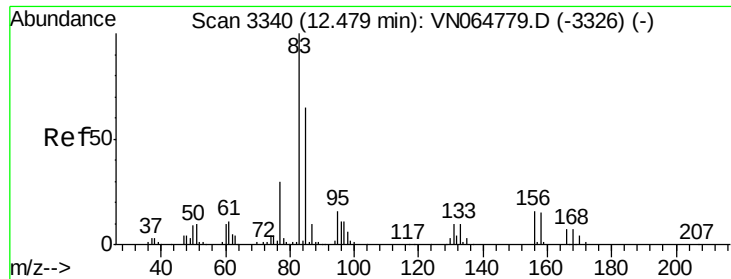
SAM
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#74
N-ethyl acetate
Concen: 47.920 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion: 43 Resp: 210374
Ion Ratio Lower Upper
43 100
70 45.2 34.5 51.7
55 25.8 20.4 30.6
61 25.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 39.734 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

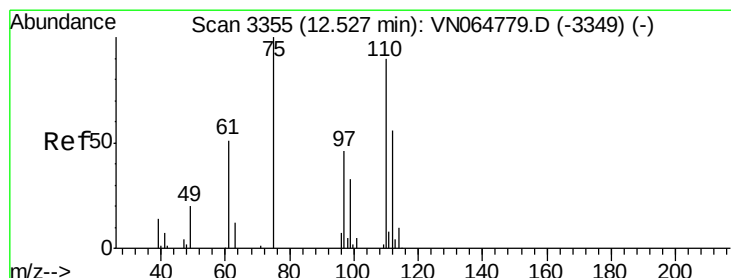
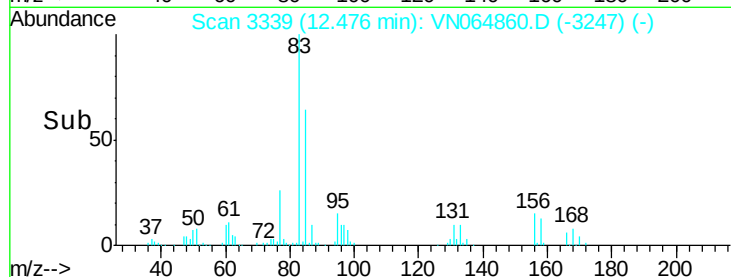
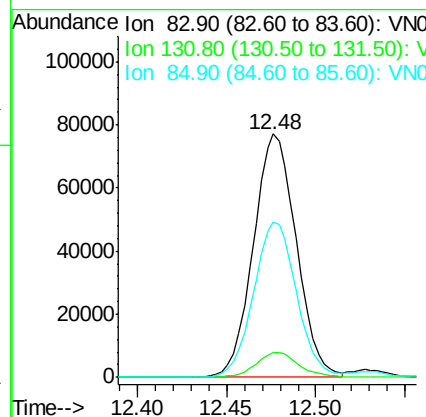
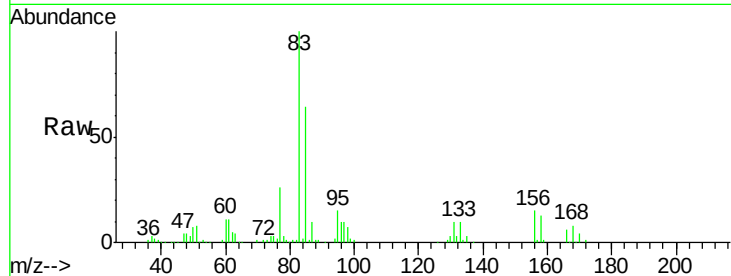
VSTDCCC050EC

Tot Ion:	83	Resp:	129919
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	63.8	33.0	99.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.963 ug/l m

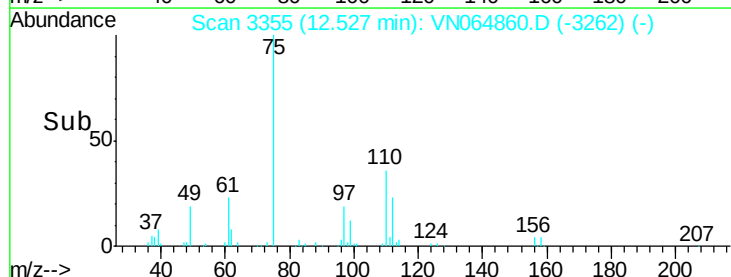
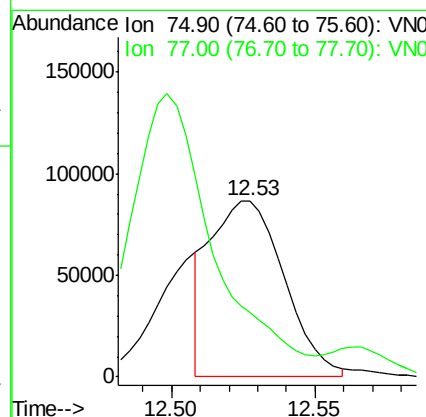
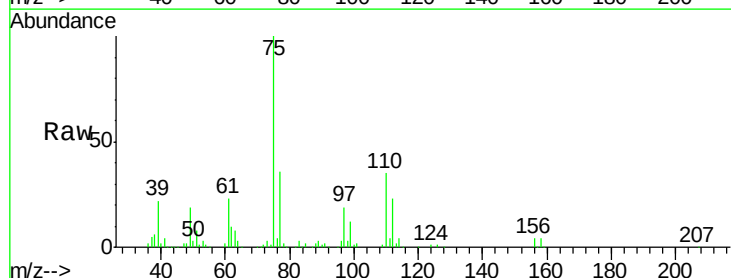
RT: 12.53 min Scan# 3355

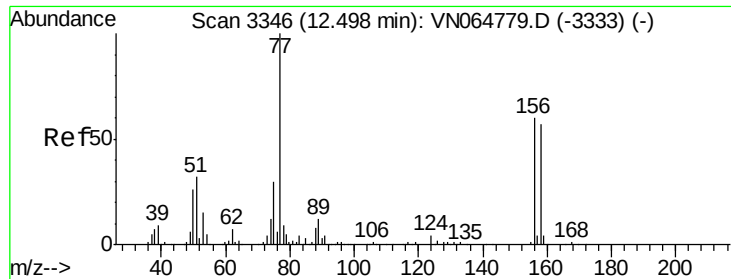
Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	75	Resp:	155298
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





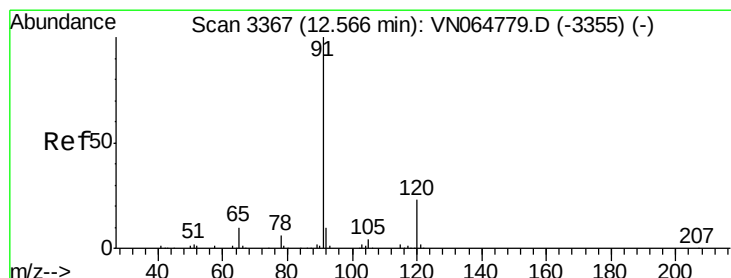
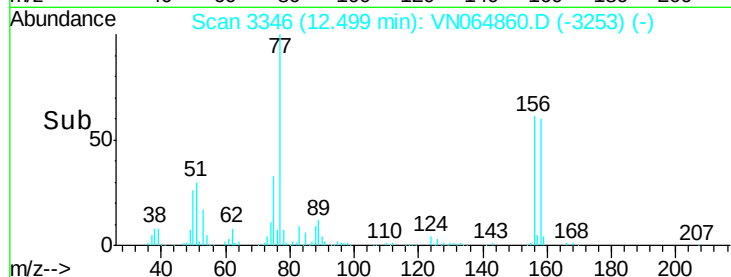
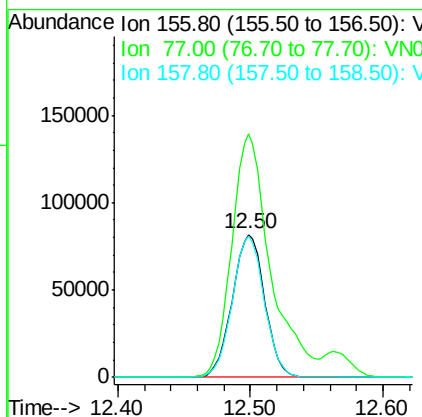
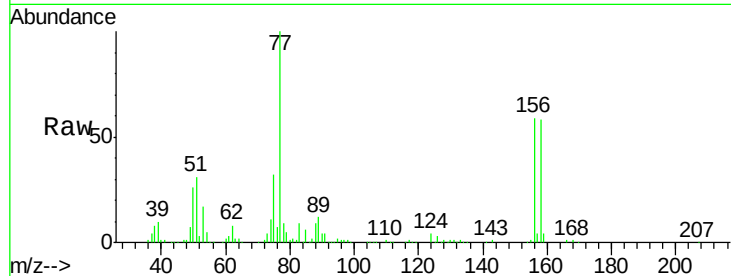
#77
Bromobenzene
Concen: 46.016 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	203.8	101.3	303.7
158	97.7	48.2	144.6

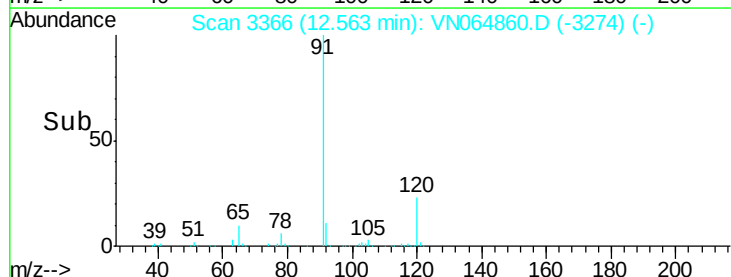
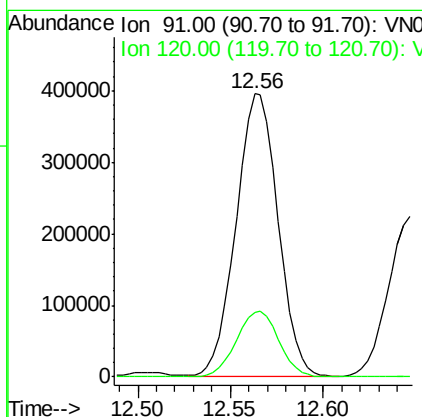
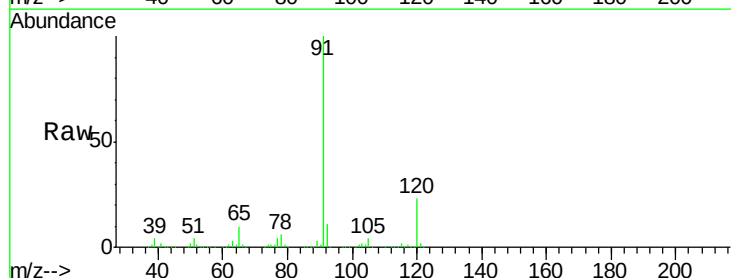
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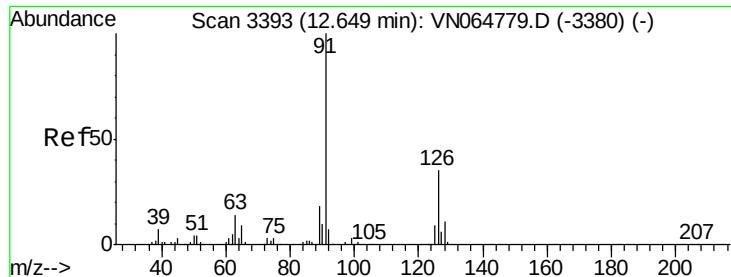
SAM
11/27/2020 1:37:58 PM



#78
n-propylbenzene
Concen: 48.744 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.7





#79

2-Chlorotoluene

Concen: 46.920 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 368583

Ion Ratio Lower Upper

91 100

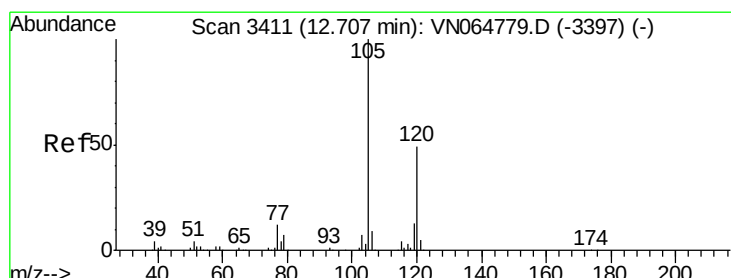
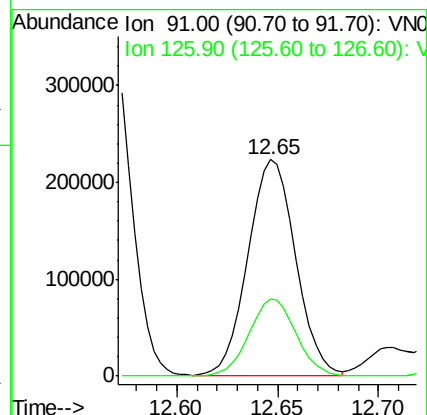
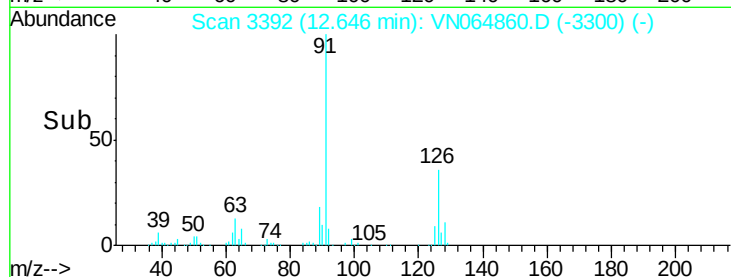
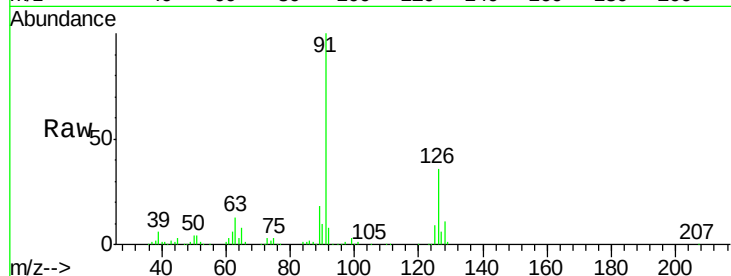
126 35.4 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.385 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064860.D

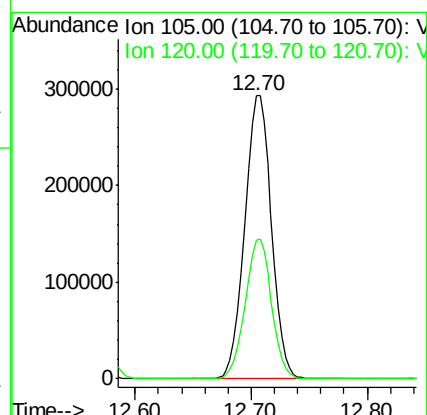
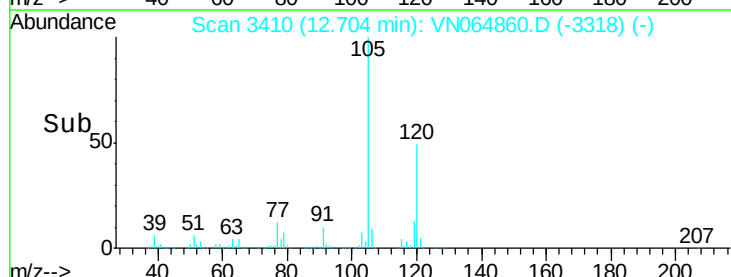
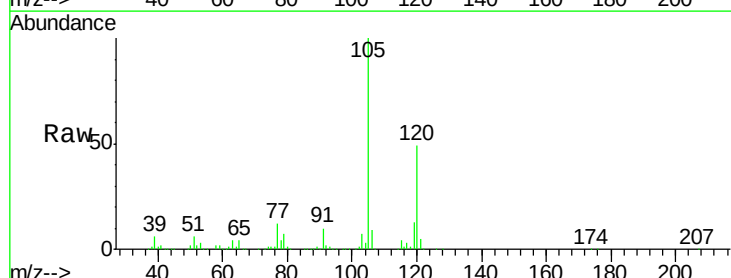
Acq: 25 Nov 2020 16:54

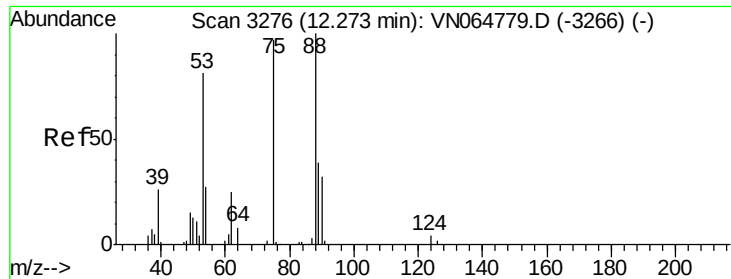
Tgt Ion: 105 Resp: 467189

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.564 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

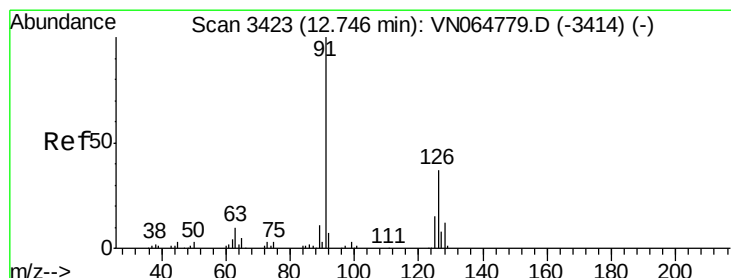
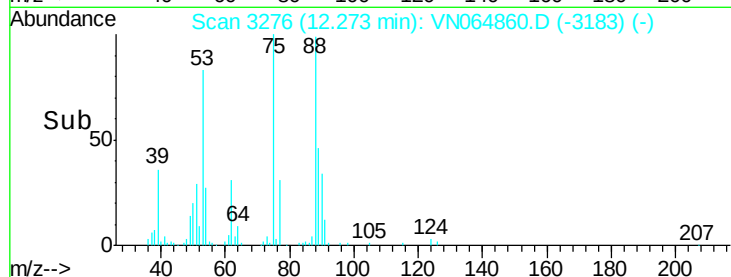
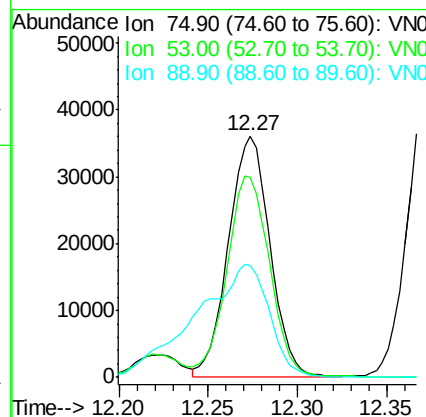
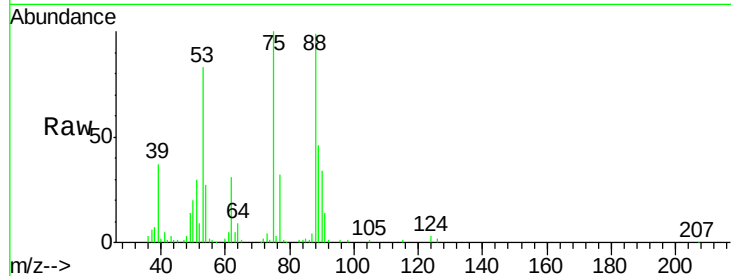
VSTDCCC050EC

Tot Ion:	75	Resp:	58679
Ion Ratio	Lower	Upper	
75	100		
53	84.5	67.0	100.4
89	82.7	39.6	59.4#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.372 ug/l

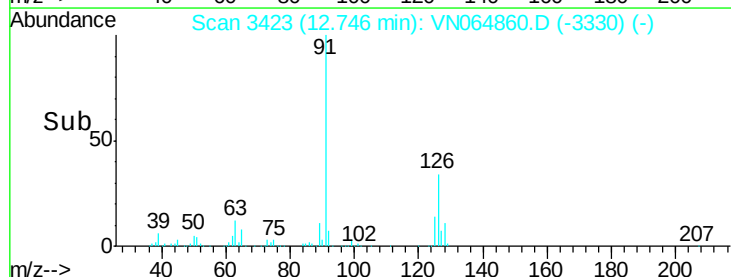
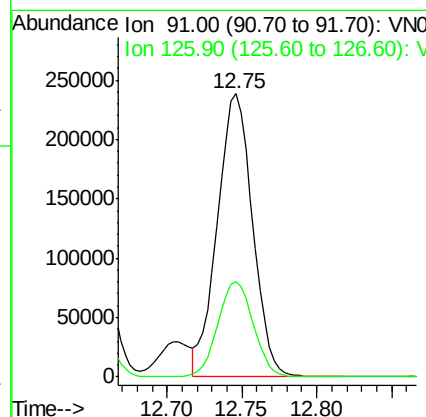
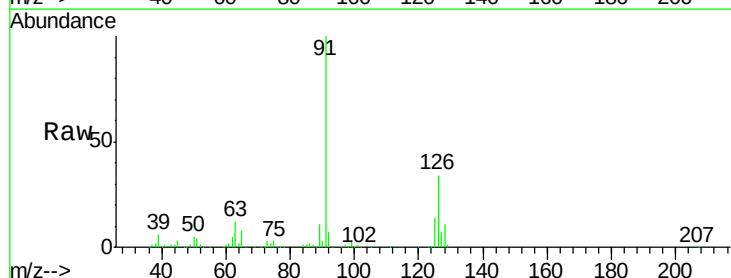
RT: 12.75 min Scan# 3423

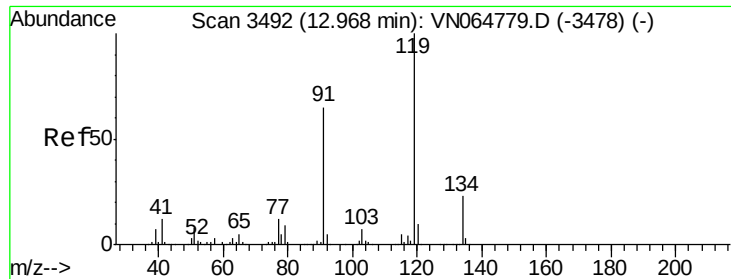
Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	91	Resp:	390064
Ion Ratio	Lower	Upper	
91	100		
126	34.0	16.9	50.7





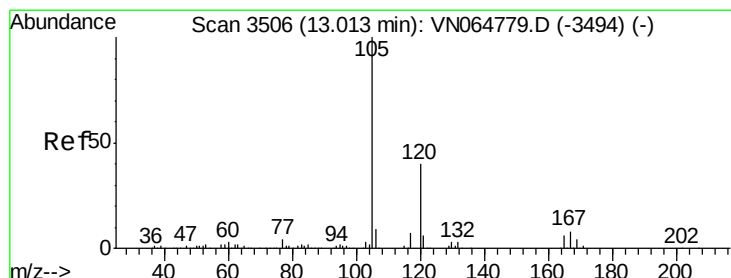
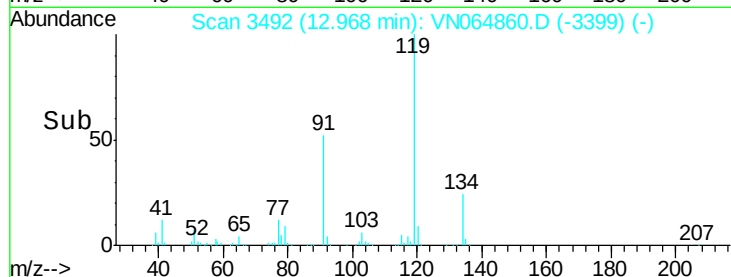
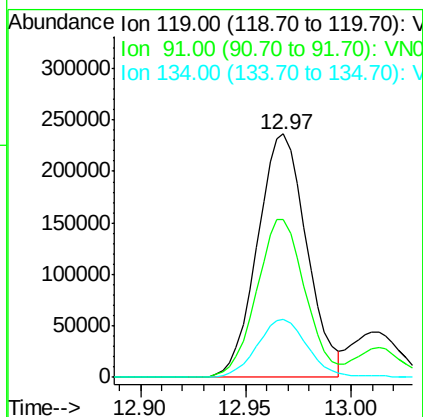
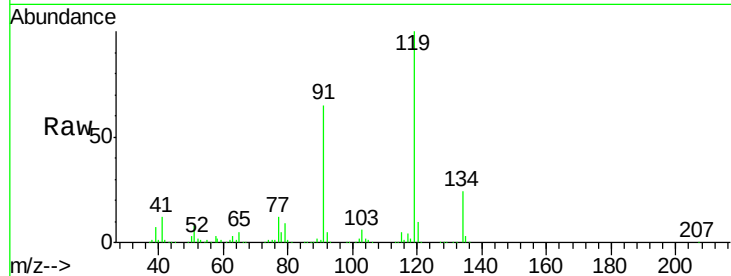
#83
 tert-Butylbenzene
 Concen: 49.493 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	384659		
91	63.9		32.3	96.8
134	24.5		12.6	37.6

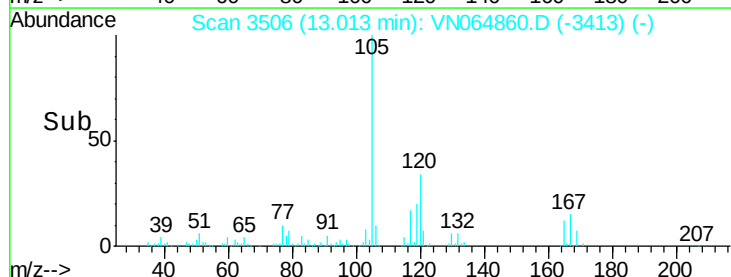
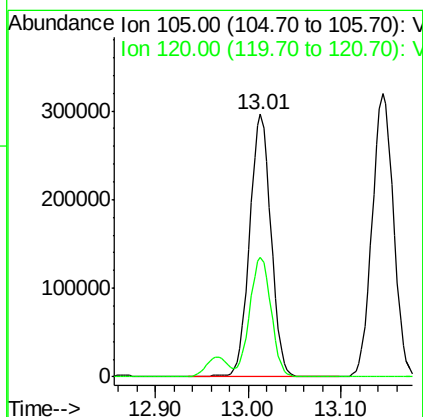
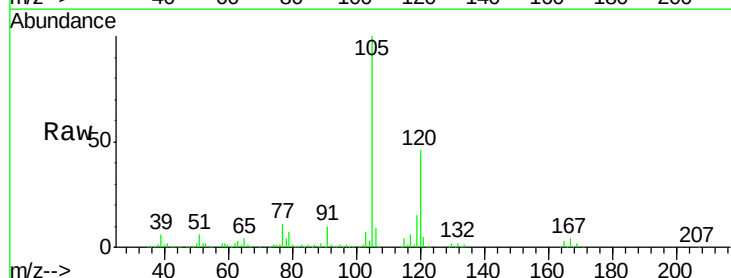
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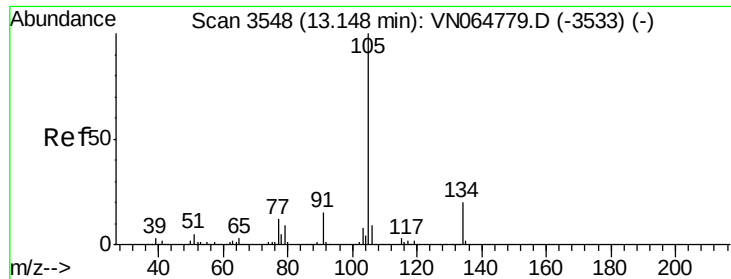
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.541 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	473816		
120	45.6		23.1	69.2





#85

sec-Butylbenzene

Concen: 49.478 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 510566

Ion Ratio Lower Upper

105 100

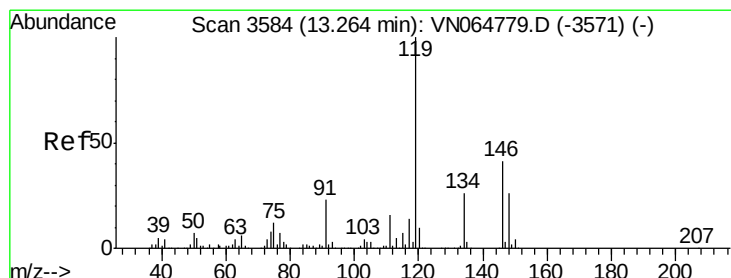
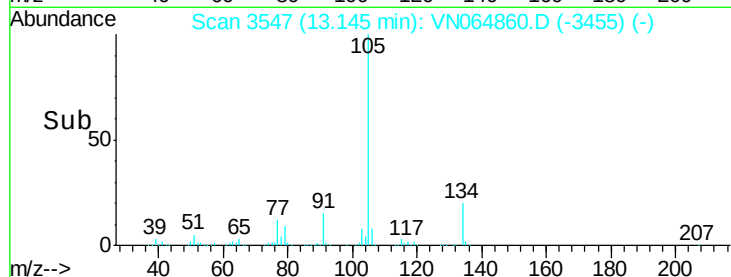
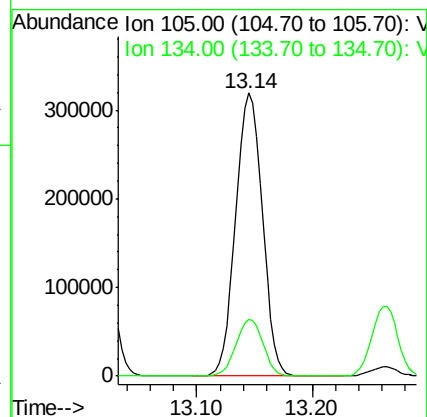
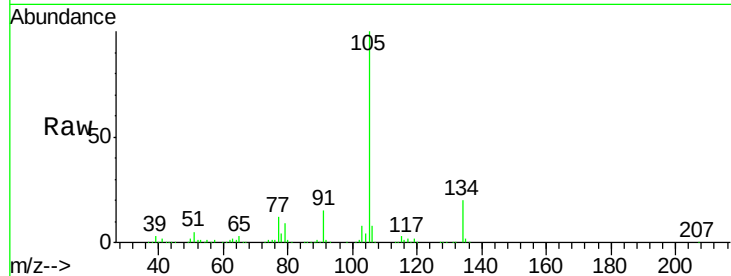
134 20.0 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.262 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

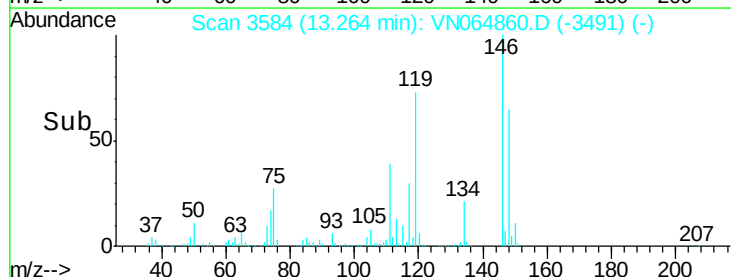
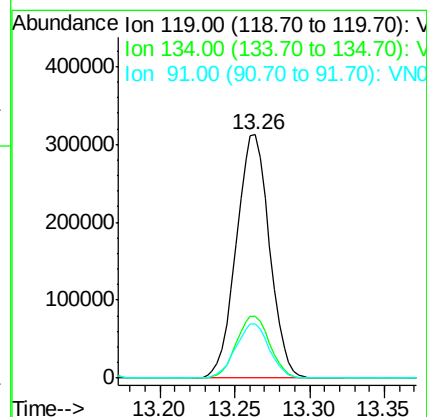
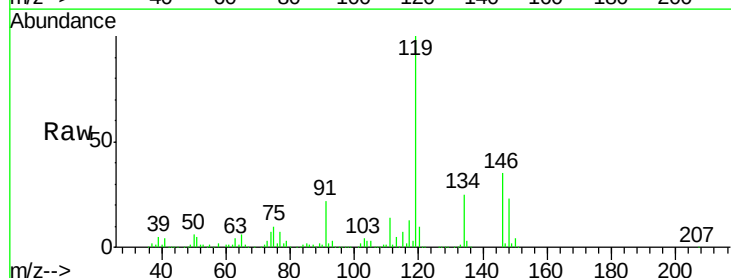
Tgt Ion:119 Resp: 481600

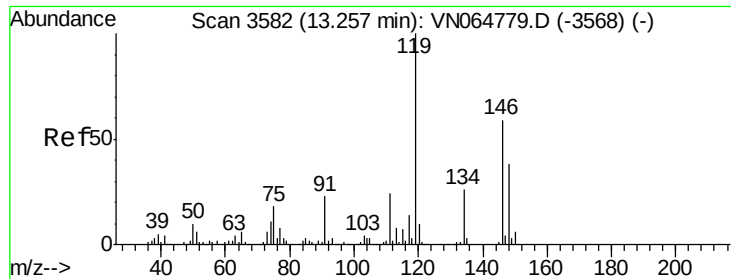
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 22.4 11.5 34.5





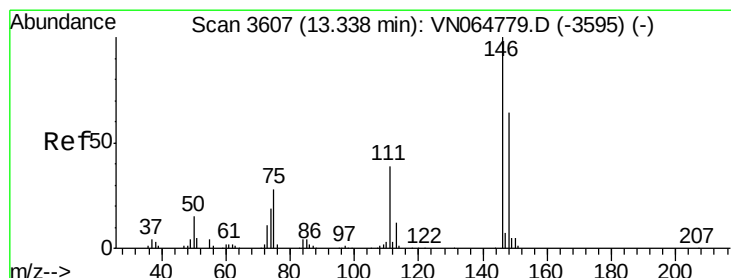
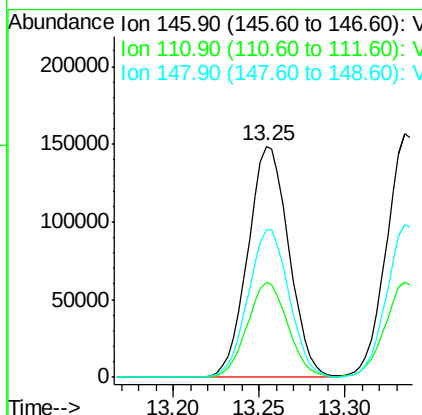
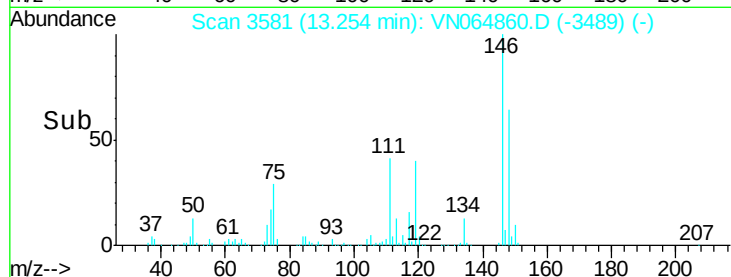
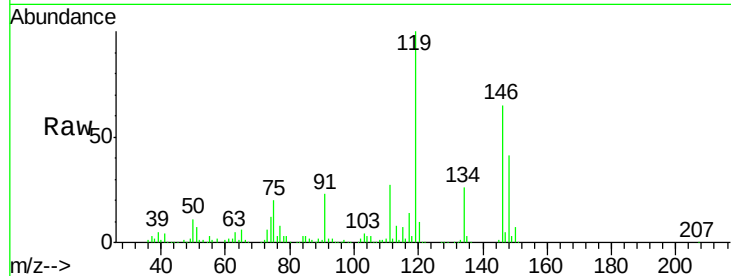
#87
 1,3-Dichlorobenzene
 Concen: 46.038 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.9
148	64.0	31.9	95.5

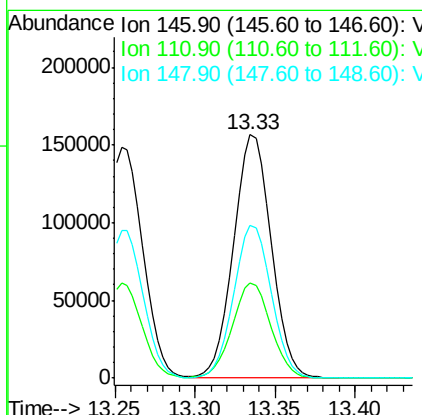
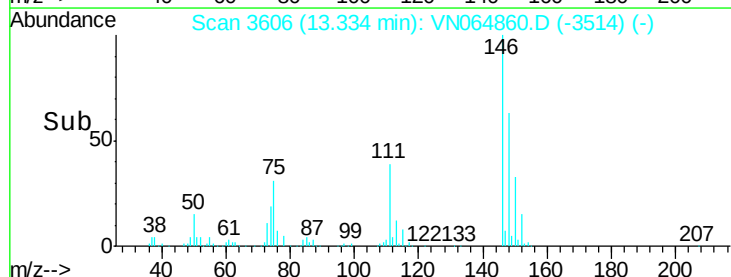
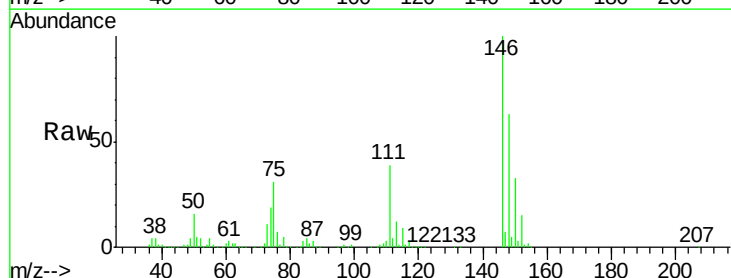
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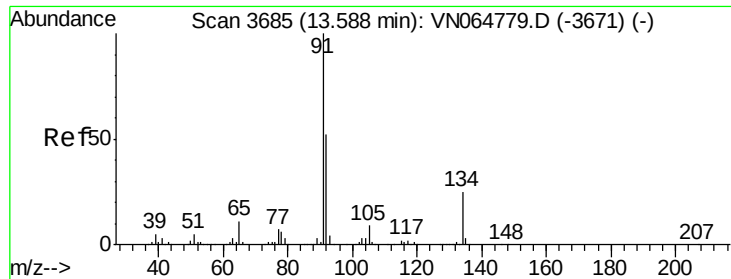
SAM
 11/27/2020 1:37:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 44.289 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.3
148	63.1	31.9	95.5





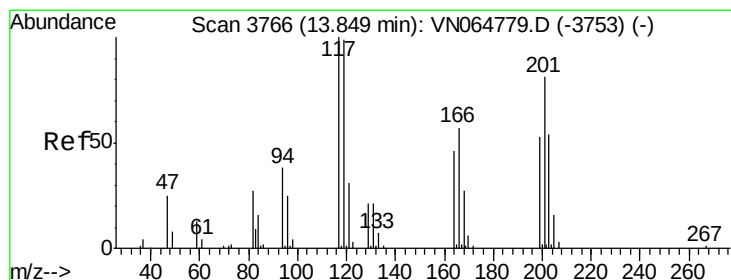
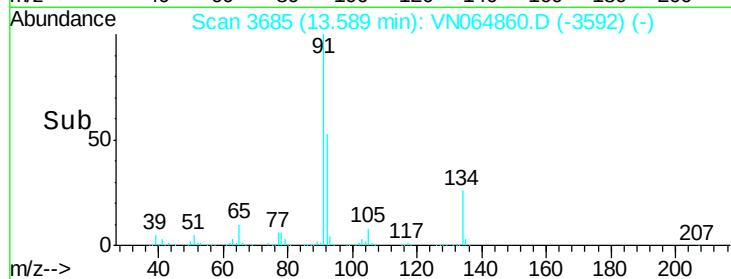
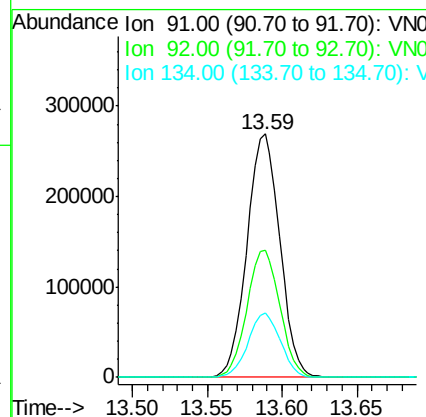
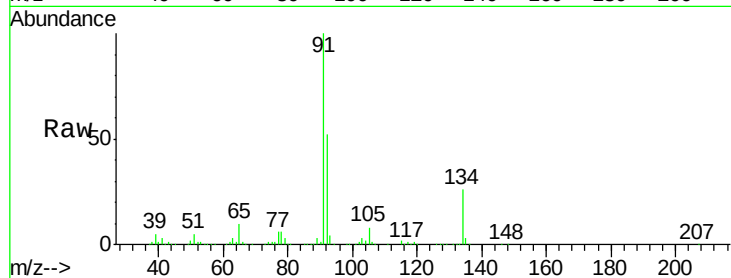
#89
n-Butylbenzene
Concen: 49.908 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	25.9	12.9	38.6

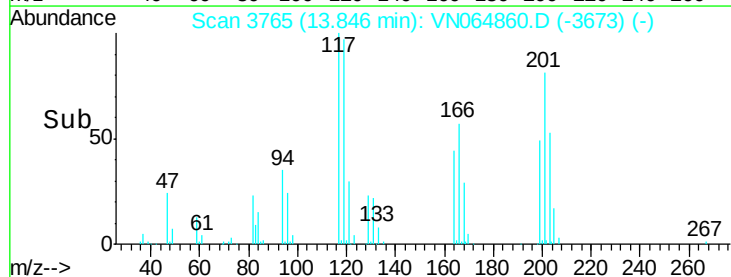
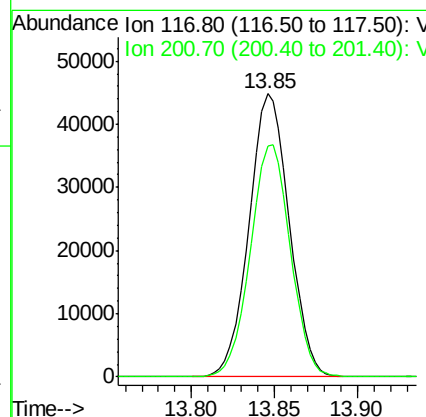
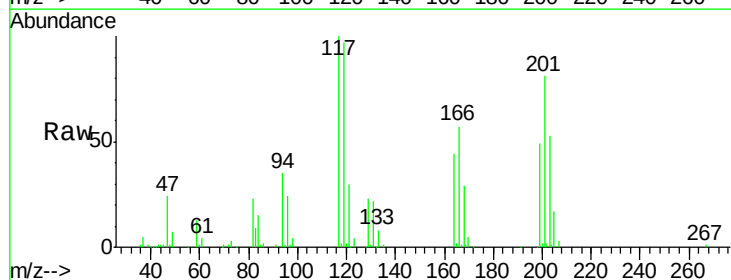
Manual Integrations
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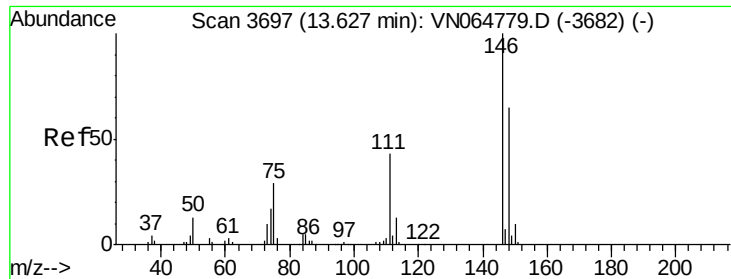
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#90
Hexachloroethane
Concen: 46.168 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	40.1	120.3





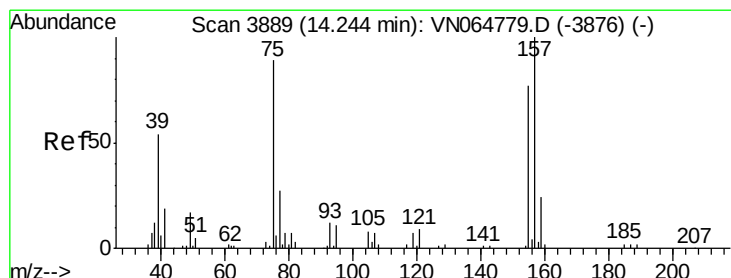
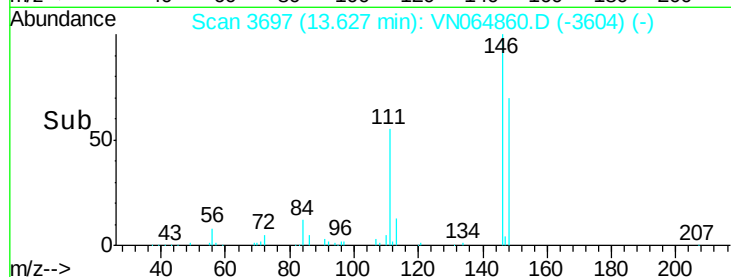
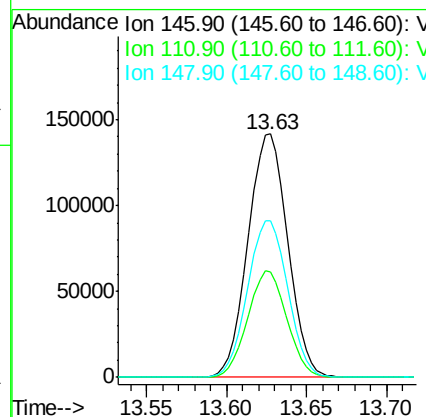
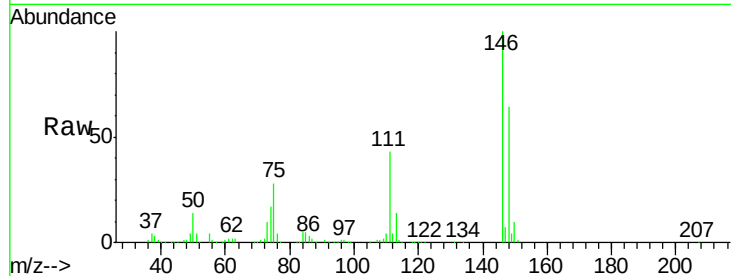
#91
 1,2-Dichlorobenzene
 Concen: 45.881 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.1
148	65.1	32.0	96.2

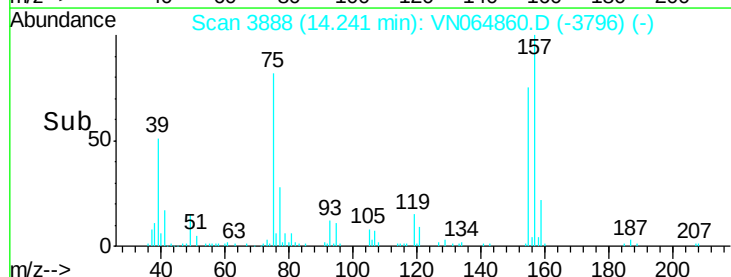
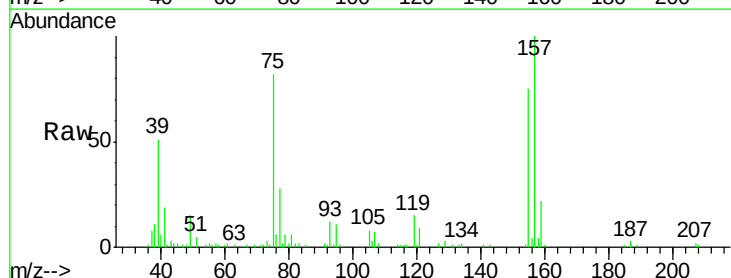
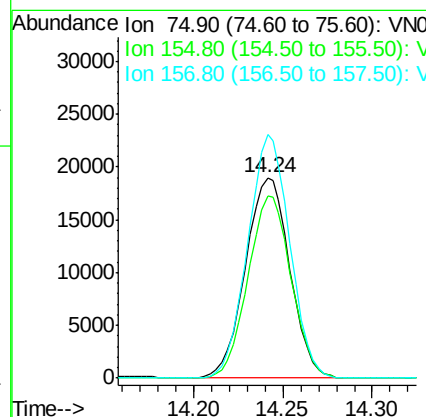
Manual Integrations
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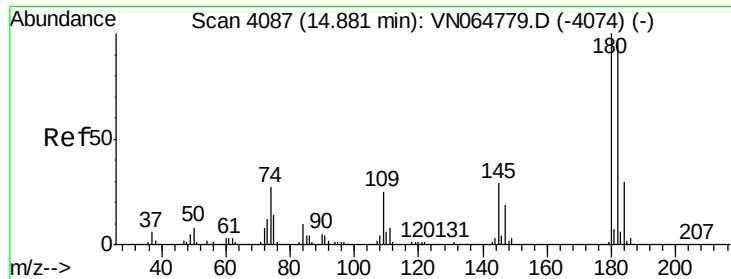
SAM
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.844 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064860.D
 Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	42.8	128.3
157	115.2	56.4	169.1





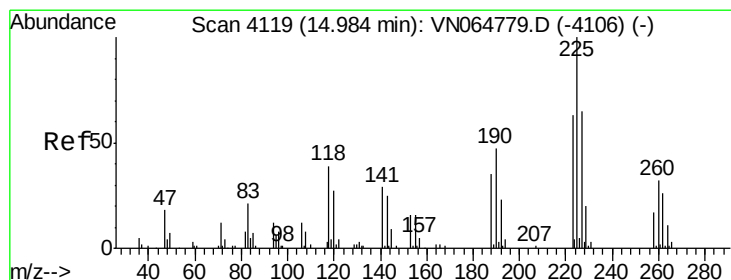
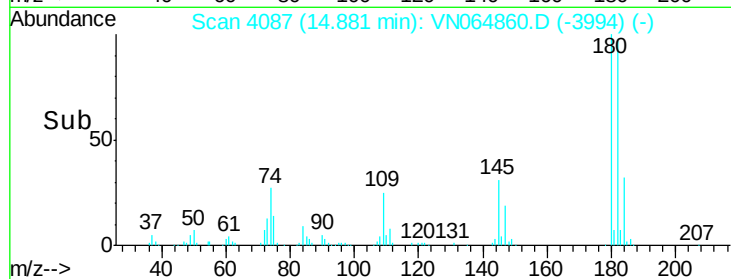
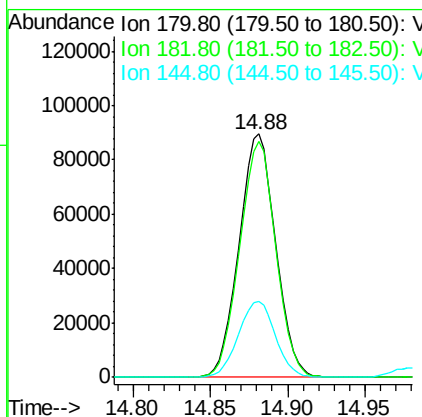
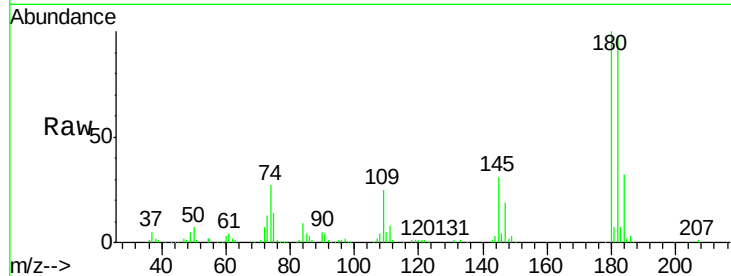
#93
1,2,4-Trichlorobenzene
Concen: 45.437 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	31.5	15.3	45.8

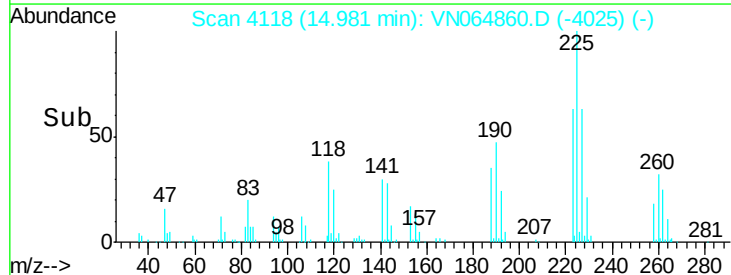
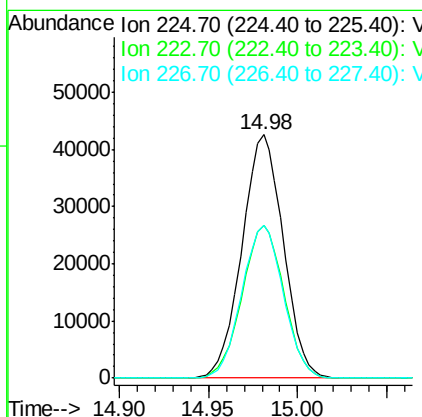
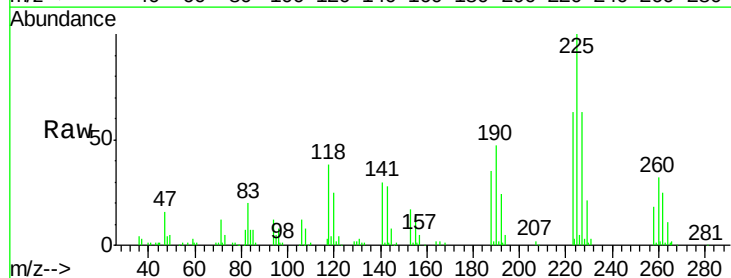
Manual Integrations
APPROVED

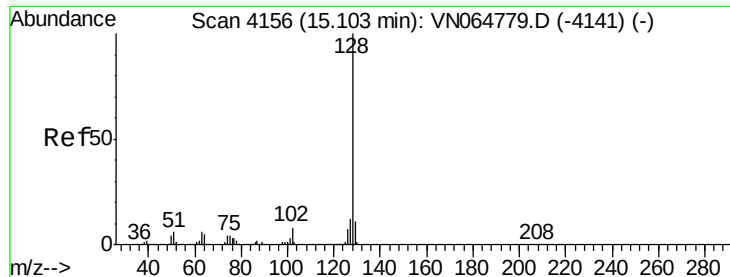
SAM
11/27/2020 1:37:58 PM



#94
Hexachlorobutadiene
Concen: 47.301 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064860.D
Acq: 25 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.0	93.0
227	63.0	32.0	96.0





#95

Naphthalene

Concen: 46.946 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

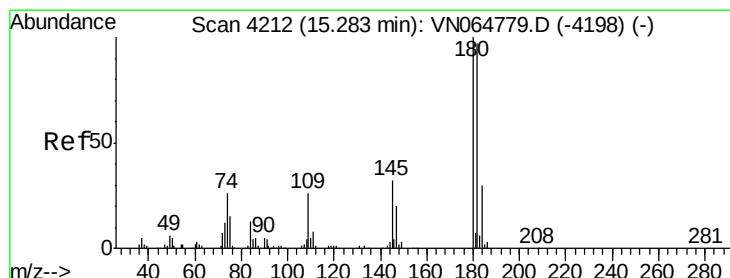
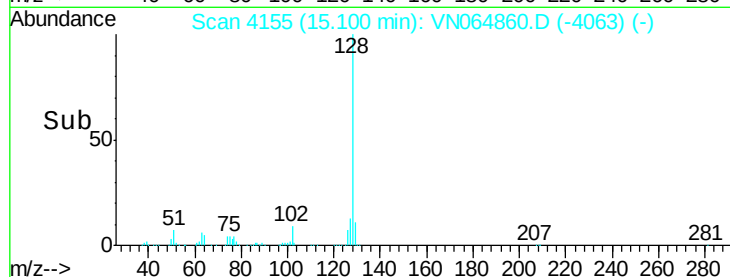
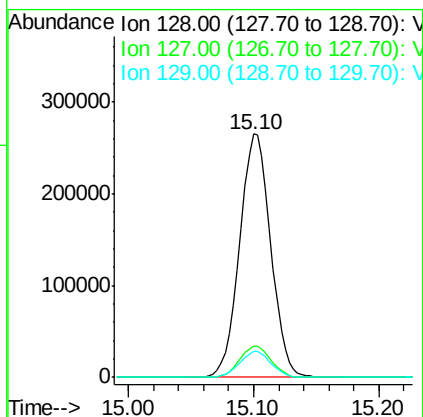
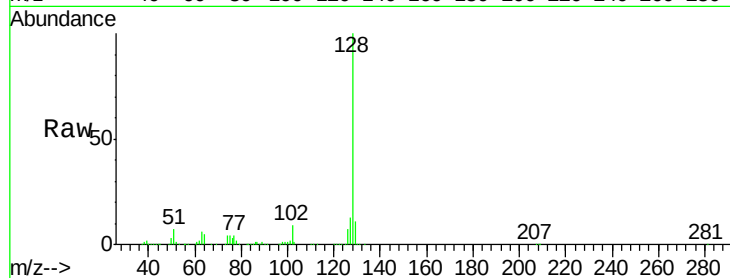
VSTDCCC050EC

Tot Ion:	128	Resp:	456469
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

SAM

11/27/2020 1:37:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.917 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064860.D

Acq: 25 Nov 2020 16:54

Tgt Ion:	180	Resp:	141260
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.1	144.4
145	32.9	16.4	49.1

