

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062816.D
 Acq On : 10 Aug 2020 18:12
 Operator : JC/MD
 Sample : L3618-13MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Manual Integrations
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sam
 8/11/2020 3:25:05 PM

Quant Time: Aug 11 07:45:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	154046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	256015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	240240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	119896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	124584	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.55	113	87872	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.06	98	334256	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.38	95	132976	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	110155	49.937	ug/l	99
3) Chloromethane	2.04	50	99334	47.720	ug/l	100
4) Vinyl Chloride	2.16	62	105937	54.260	ug/l	98
5) Bromomethane	2.50	94	61410	47.515	ug/l	100
6) Chloroethane	2.65	64	70848	55.159	ug/l	98
7) Trichlorofluoromethane	2.96	101	176303	50.641	ug/l	98
8) Diethyl Ether	3.37	74	54488	54.672	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	76116	54.286	ug/l	97
10) Methyl Iodide	3.90	142	98787	58.544	ug/l	95
11) Tert butyl alcohol	4.75	59	108118	258.953	ug/l	100
12) 1,1-Dichloroethene	3.69	96	72582	55.454	ug/l	95
13) Acrolein	3.56	56	77607	306.997	ug/l	100
14) Allyl chloride	4.27	41	132227	49.027	ug/l	96
15) Acrylonitrile	4.93	53	257669	266.079	ug/l	98
16) Acetone	3.78	43	228369	248.096	ug/l	97
17) Carbon Disulfide	4.00	76	193992	52.122	ug/l	98
18) Methyl Acetate	4.28	43	109643	50.370	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	307563	51.533	ug/l	100
20) Methylene Chloride	4.50	84	91641	54.469	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	72794	47.221	ug/l	95
22) Diisopropyl ether	5.90	45	283708	49.415	ug/l	99
23) Vinyl Acetate	5.84	43	923002	211.358	ug/l	98
24) 1,1-Dichloroethane	5.80	63	158930	47.236	ug/l	99
25) 2-Butanone	6.79	43	318065	243.973	ug/l	100
26) 2,2-Dichloropropane	6.78	77	112945	36.417	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	91076	49.250	ug/l	90
28) Bromochloromethane	7.15	49	79284	48.825	ug/l	97
29) Tetrahydrofuran	7.17	42	208807	246.536	ug/l	96
30) Chloroform	7.33	83	170008	47.546	ug/l	98
31) Cyclohexane	7.61	56	144728	46.860	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	152675	47.757	ug/l	99
36) 1,1-Dichloropropene	7.75	75	112508	45.132	ug/l	98
37) Ethyl Acetate	6.88	43	111326	42.751	ug/l	100
38) Carbon Tetrachloride	7.73	117	133806	45.384	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	139156	46.385	ug/l	98
40) Benzene	8.00	78	340928	45.832	ug/l	98
41) Methacrylonitrile	7.12	41	58832	50.068	ug/l #	64
42) 1,2-Dichloroethane	8.09	62	142030	44.860	ug/l	100
43) Isopropyl Acetate	8.13	43	190038	43.753	ug/l	98
44) Trichloroethene	8.80	130	82946	45.768	ug/l	97
45) 1,2-Dichloropropane	9.08	63	94341	46.859	ug/l	98
46) Dibromomethane	9.17	93	62066	47.050	ug/l	98
47) Bromodichloromethane	9.37	83	140066	47.276	ug/l	98
48) Methyl methacrylate	9.17	41	98844	46.267	ug/l	97
49) 1,4-Dioxane	9.17	88	39357	994.219	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	673583	239.687	ug/l	99
52) Toluene	10.13	92	218536	47.582	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	151579	46.512	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	150208	45.907	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	92179	46.992	ug/l	98
56) Ethyl methacrylate	10.40	69	150296	50.904	ug/l	97
57) 1,3-Dichloropropane	10.68	76	156448	46.940	ug/l	98
59) 2-Hexanone	10.72	43	508102	242.381	ug/l	97
60) Dibromochloromethane	10.88	129	110215	49.236	ug/l	98
61) 1,2-Dibromoethane	10.98	107	94176	48.655	ug/l	99
64) Tetrachloroethene	10.60	164	68091	43.928	ug/l	98
65) Chlorobenzene	11.41	112	237928	47.378	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	98158	48.673	ug/l	97
67) Ethyl Benzene	11.49	91	442564	49.247	ug/l	99
68) m/p-Xylenes	11.60	106	326907	100.212	ug/l	97
69) o-Xylene	11.92	106	159763	52.260	ug/l	96
70) Stvrene	11.94	104	277933	51.722	ug/l	99
71) Bromoform	12.10	173	79367	48.100	ug/l #	99
73) Isopropylbenzene	12.23	105	442252	48.986	ug/l	99
74) N-amyl acetate	12.05	43	170542	46.614	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	144969	45.614	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	140514m	43.456	ug/l	
77) Bromobenzene	12.50	156	107730	48.025	ug/l	95
78) n-propylbenzene	12.57	91	506062	47.752	ug/l	99
79) 2-Chlorotoluene	12.65	91	313402	47.158	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	389274	49.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	48850	46.119	ug/l	98
82) 4-Chlorotoluene	12.75	91	333043	48.630	ug/l	100
83) tert-Butylbenzene	12.97	119	323251	48.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	385471	51.444	ug/l	99
85) sec-Butylbenzene	13.15	105	424399	48.764	ug/l	100
86) p-Isopropyltoluene	13.26	119	383630	49.659	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	190269	47.479	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	190578	47.415	ug/l	99
89) n-Butylbenzene	13.59	91	307072	46.999	ug/l	99
90) Hexachloroethane	13.85	117	74648	44.828	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	187094	49.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	34477	50.531	ug/l	97
93) 1,2,4-Trichlorobenzene	14.89	180	91024	45.436	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	51362	43.224	ug/l	98
95) Naphthalene	15.11	128	270165	49.090	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	92350	46.632	ug/l	99

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

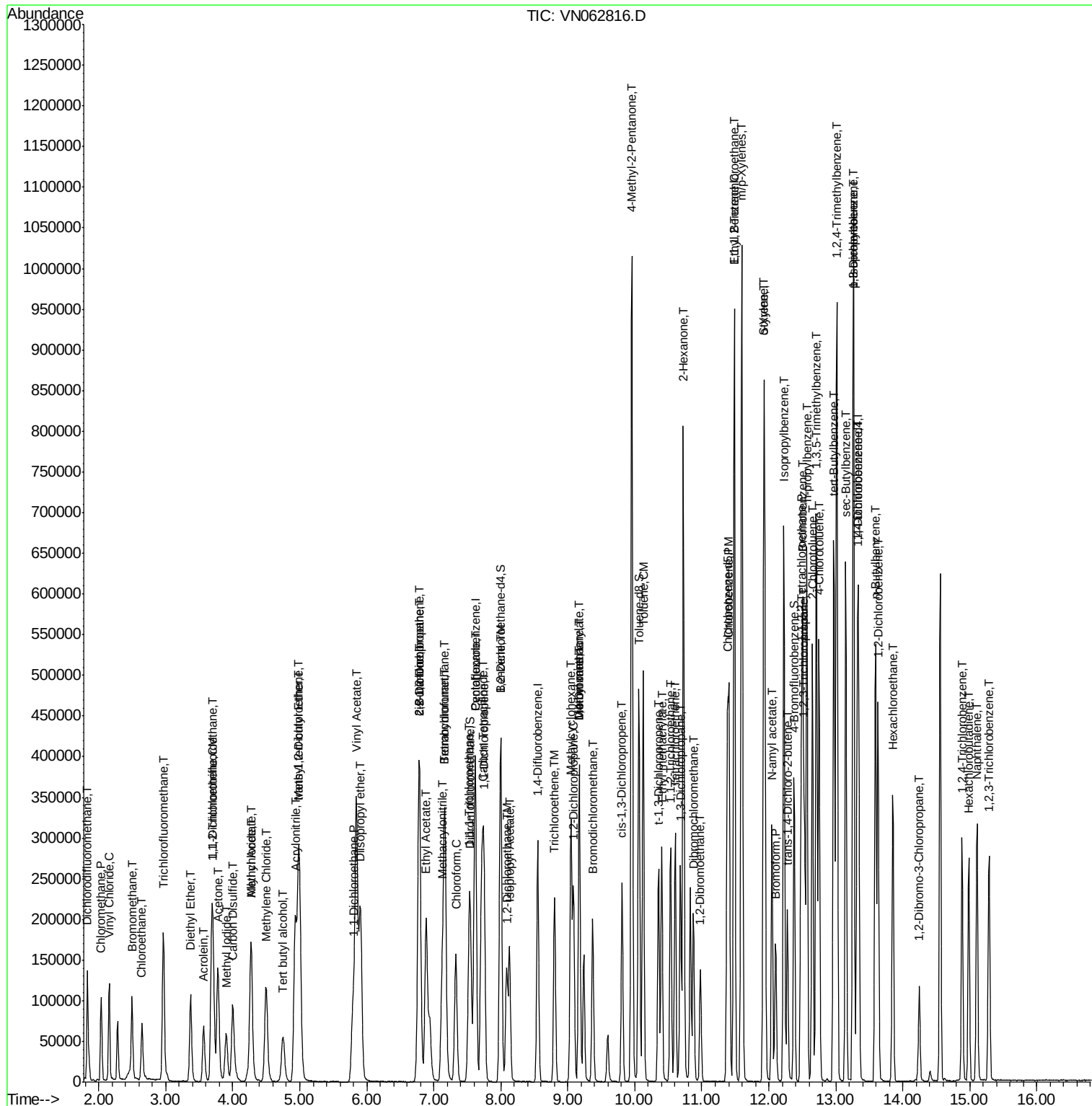
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Data File : VN062816.D
Acq On : 10 Aug 2020 18:12
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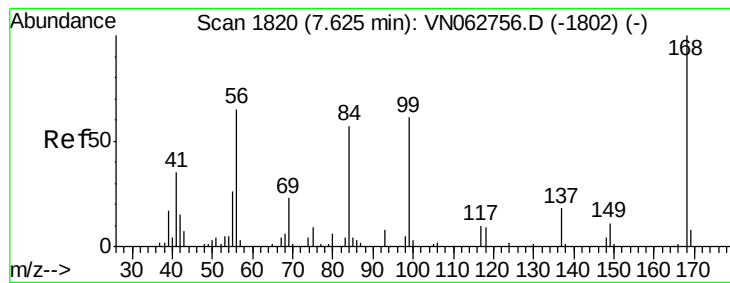
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:168 Resp: 154046

Ion Ratio Lower Upper

168 100

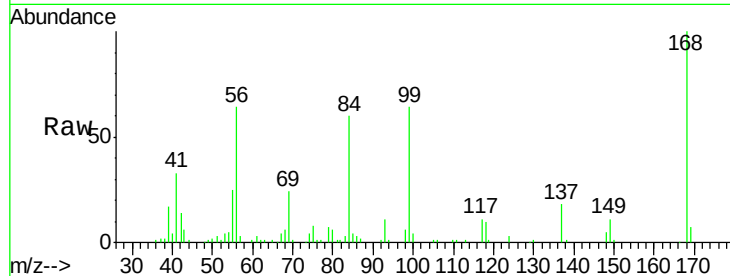
99 63.9 52.9 79.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

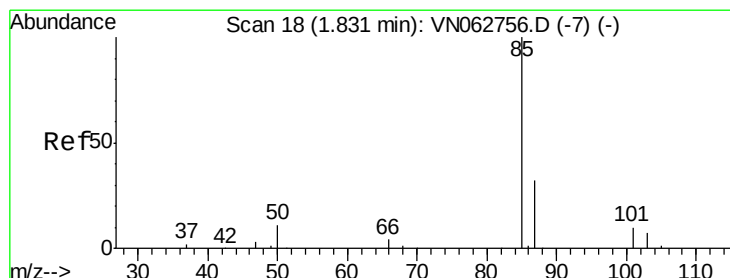
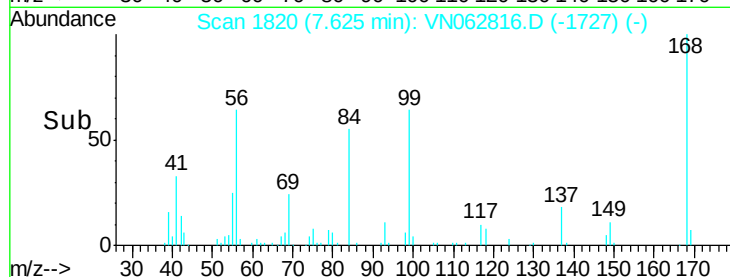
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.937 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062816.D

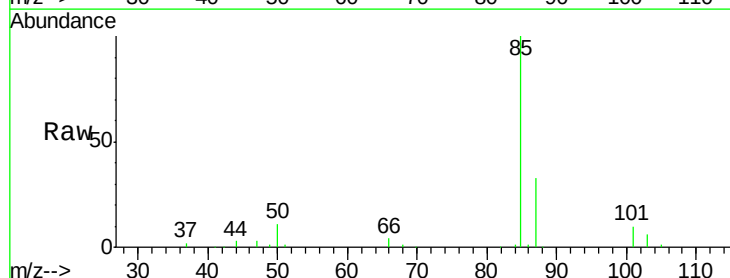
Acq: 10 Aug 2020 18:12

Tgt Ion: 85 Resp: 110155

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

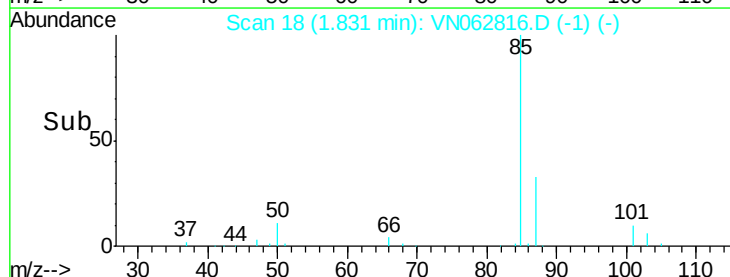
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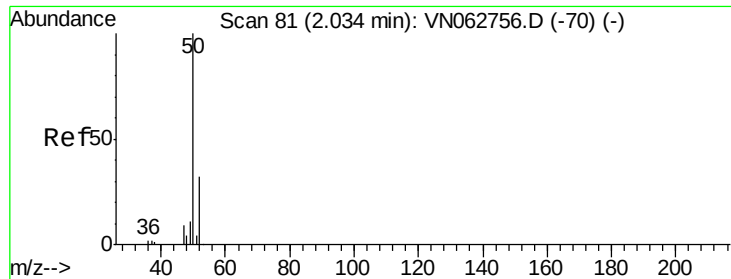
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.720 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion: 50 Resp: 99334

Ion Ratio Lower Upper

50 100

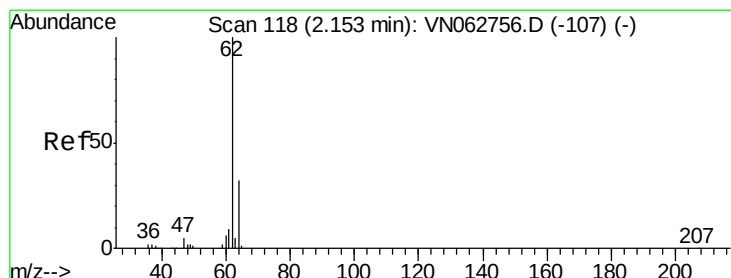
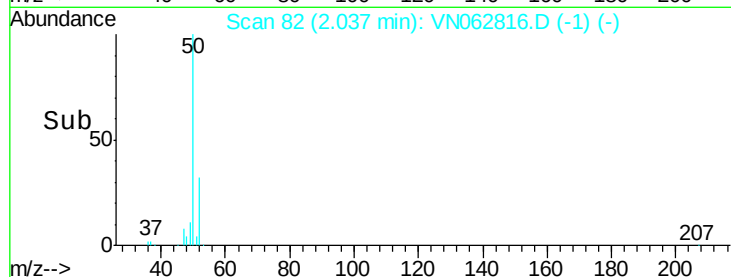
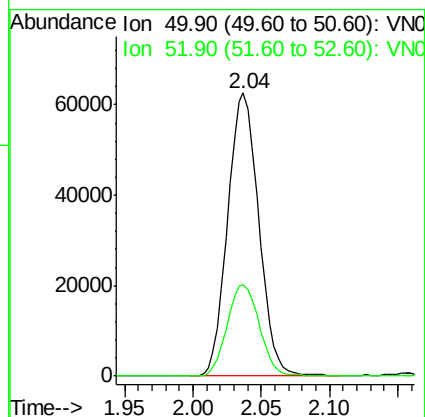
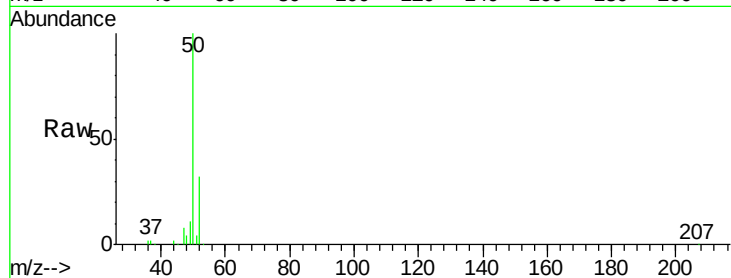
52 32.1 25.6 38.4

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#4

Vinyl Chloride

Concen: 54.260 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062816.D

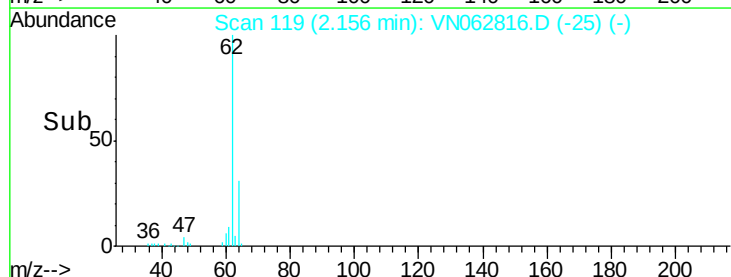
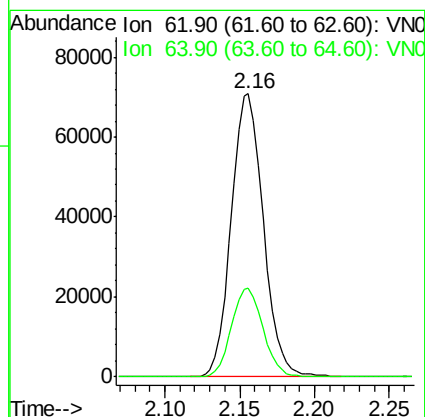
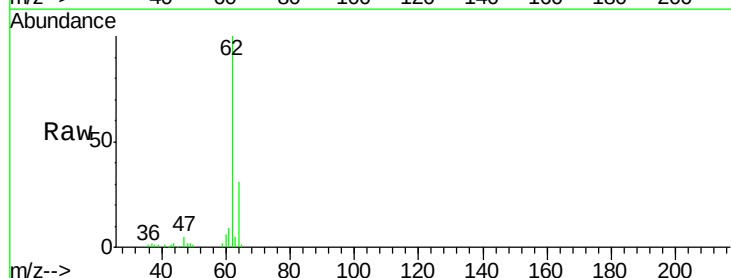
Acq: 10 Aug 2020 18:12

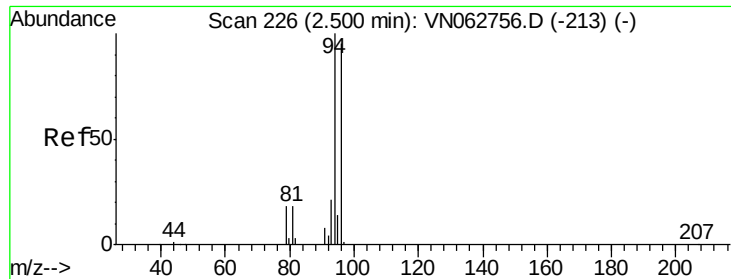
Tgt Ion: 62 Resp: 105937

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 47.515 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

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Tot Ion: 94 Resp: 61410

Ion Ratio Lower Upper

94 100

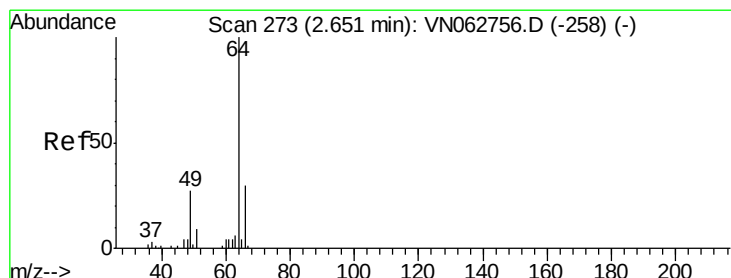
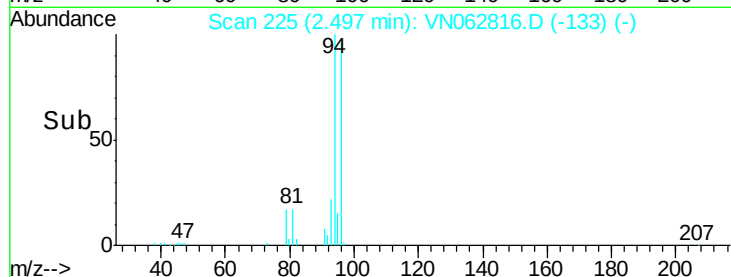
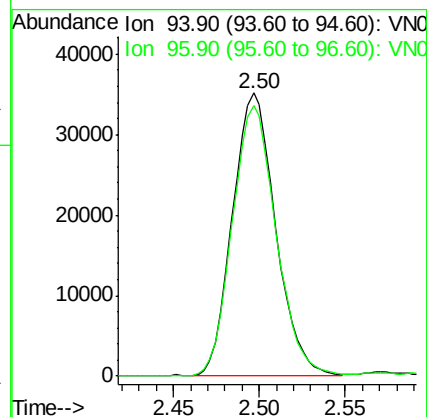
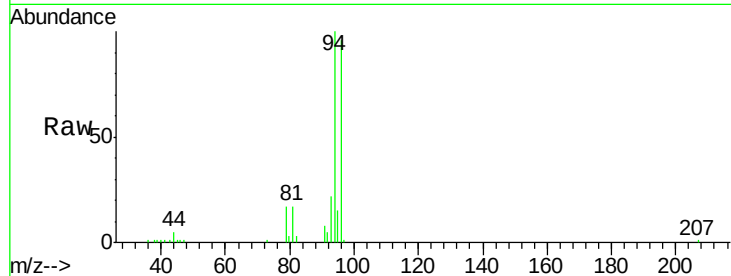
96 95.5 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 55.159 ug/l

RT: 2.65 min Scan# 272

Delta R.T. -0.00 min

Lab File: VN062816.D

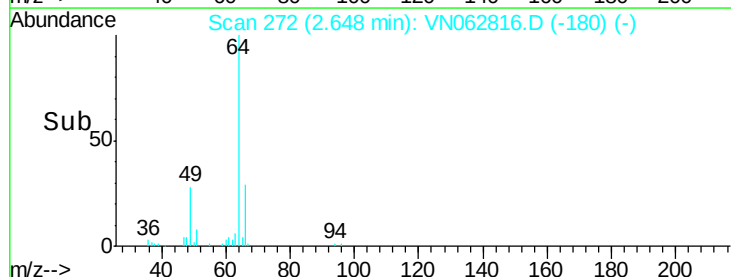
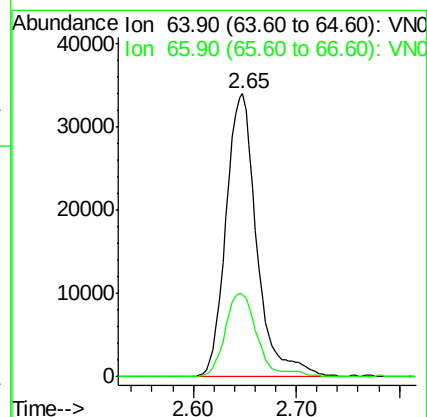
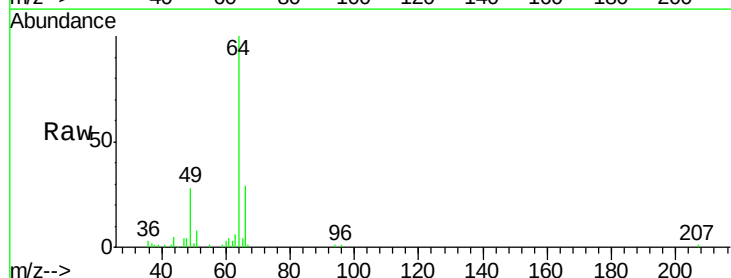
Acq: 10 Aug 2020 18:12

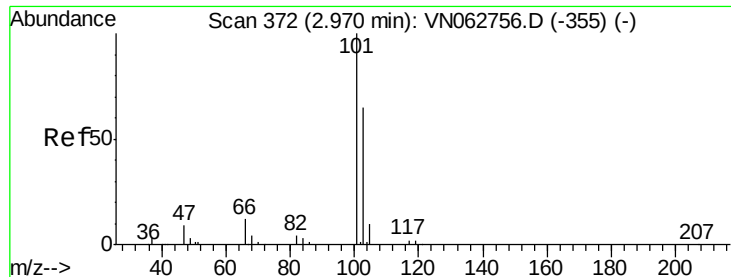
Tgt Ion: 64 Resp: 70848

Ion Ratio Lower Upper

64 100

66 29.1 24.0 36.0





#7

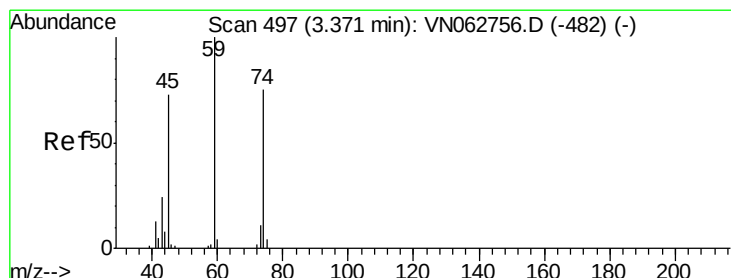
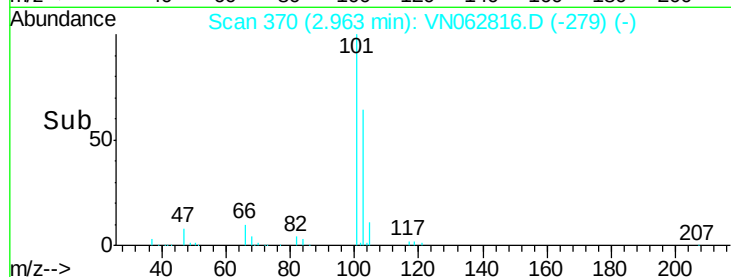
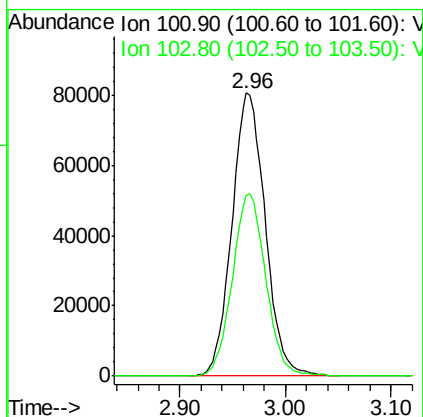
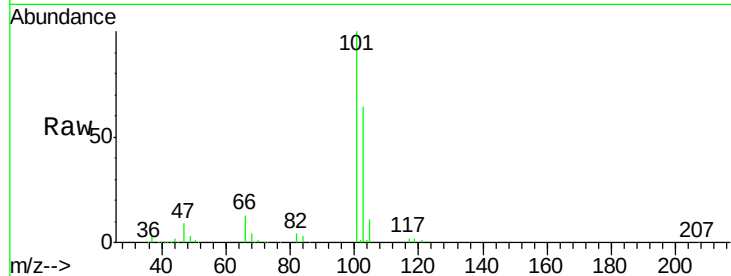
Trichlorofluoromethane
 Concen: 50.641 ug/l
 RT: 2.96 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.3	78.5

Manual Integrations
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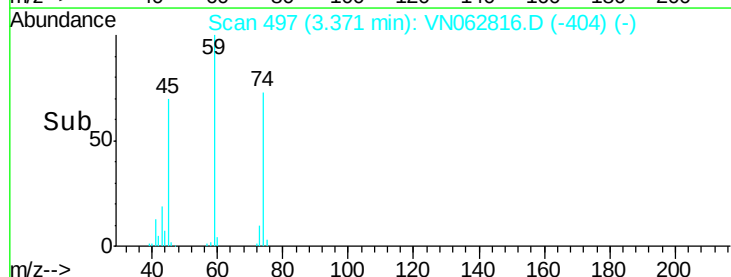
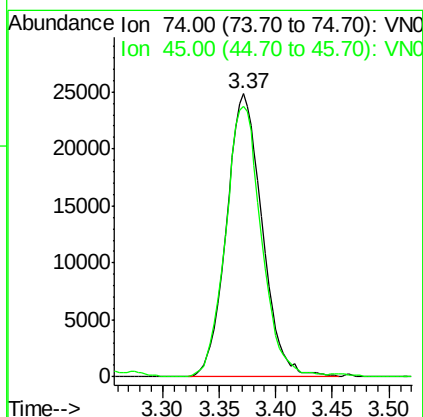
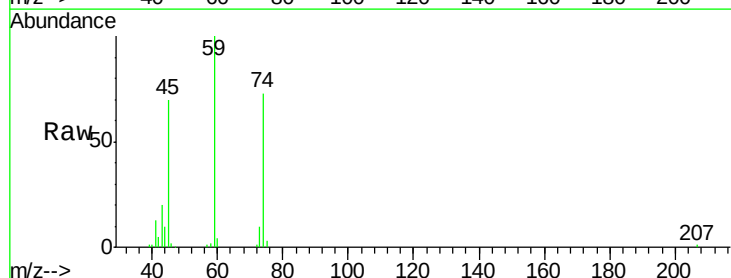
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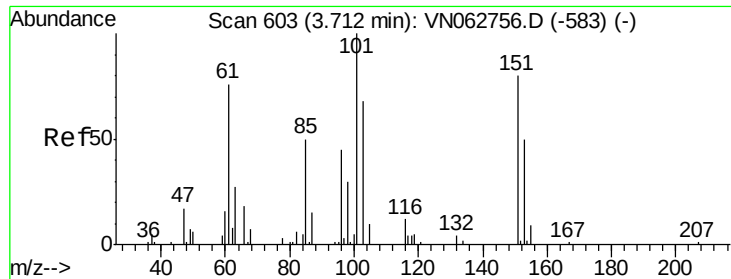


#8

Diethyl Ether
 Concen: 54.672 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.286 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.01 min

Lab File: VN062816.D

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MSVOA_N

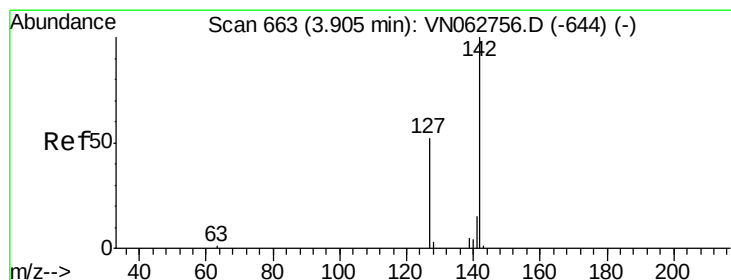
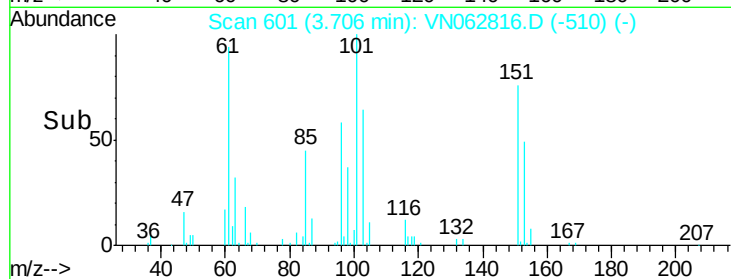
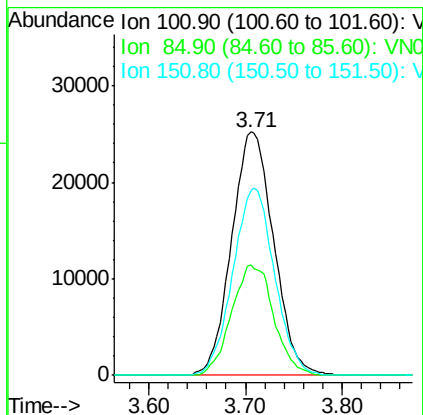
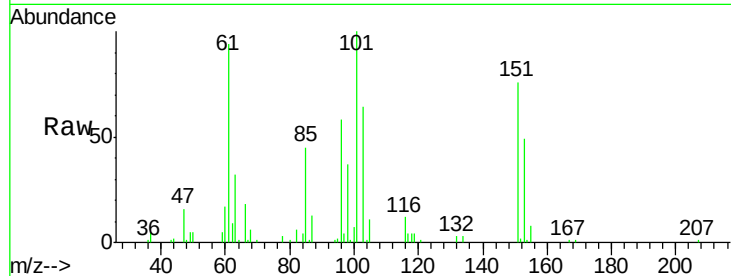
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	101	Resp:	76116
Ion Ratio	Lower	Upper	
101	100		
85	45.5	38.5	57.7
151	76.2	63.0	94.6

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 58.544 ug/l

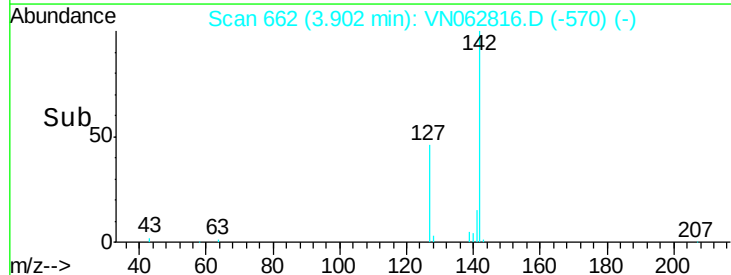
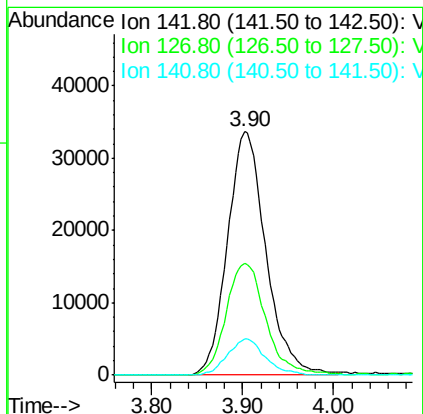
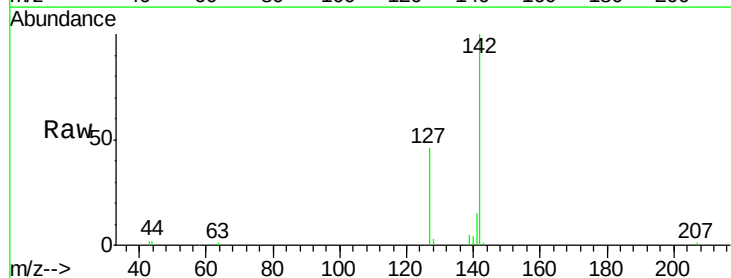
RT: 3.90 min Scan# 662

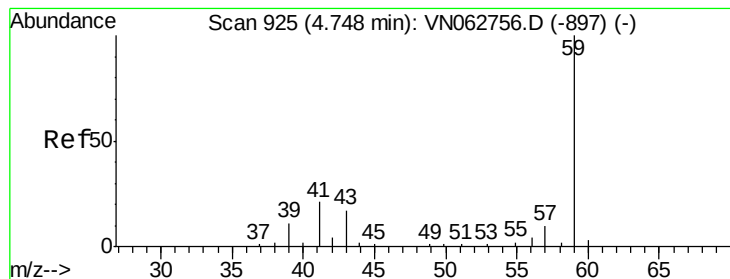
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	142	Resp:	98787
Ion Ratio	Lower	Upper	
142	100		
127	47.4	41.4	62.0
141	14.5	12.2	18.4





#11

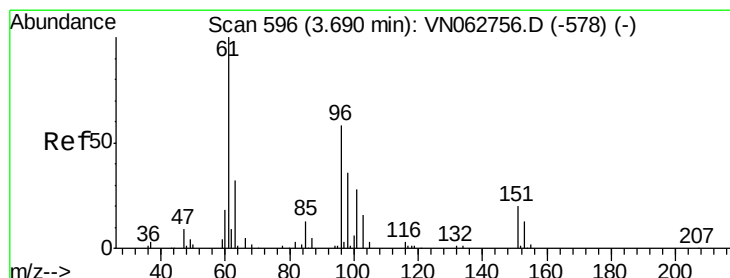
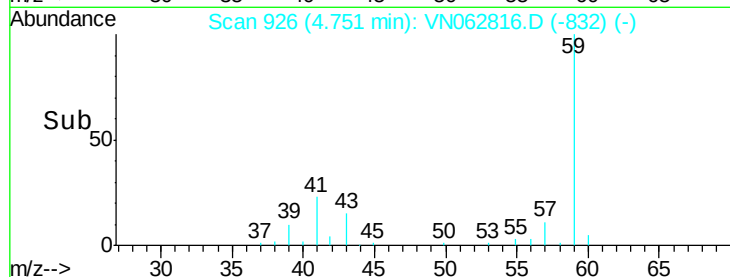
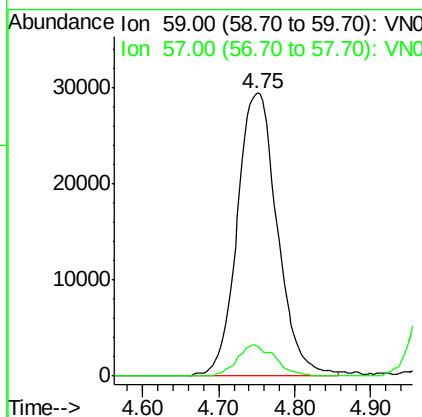
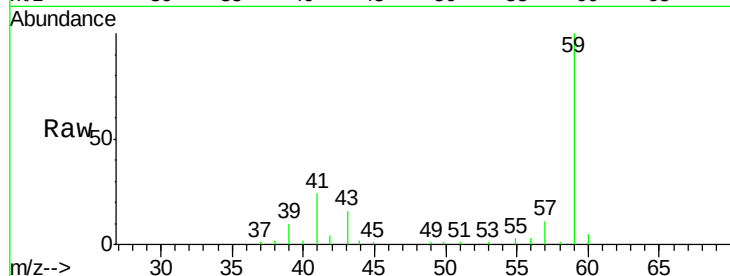
Tert butyl alcohol
 Concen: 258.953 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	108118		
57	10.4		8.3	12.5

Manual Integrations
 APPROVED

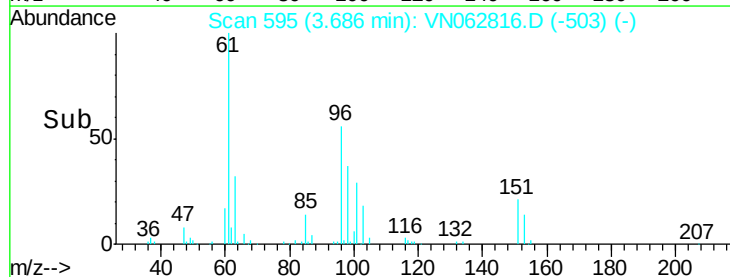
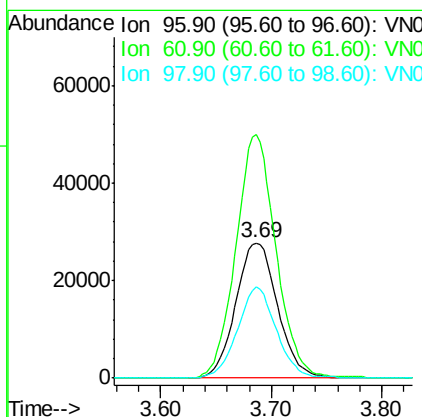
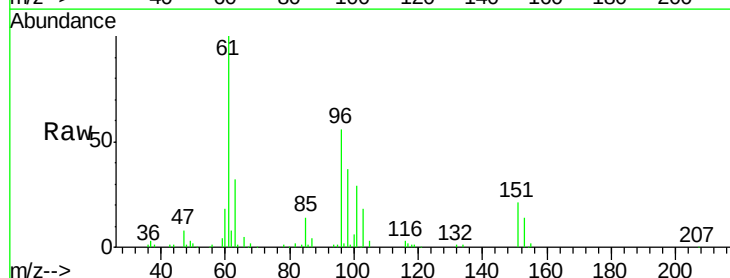
sam
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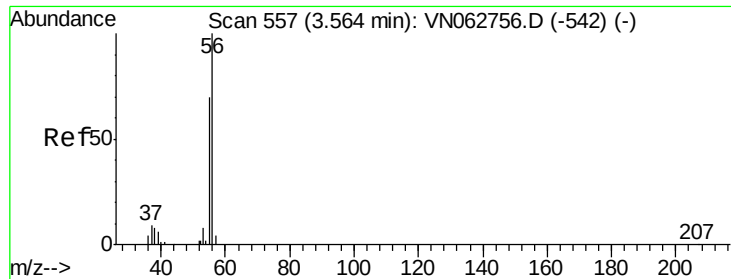


#12

1,1-Dichloroethene
 Concen: 55.454 ug/l
 RT: 3.69 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	72582		
61	180.0		139.0	208.6
98	67.1		50.2	75.4





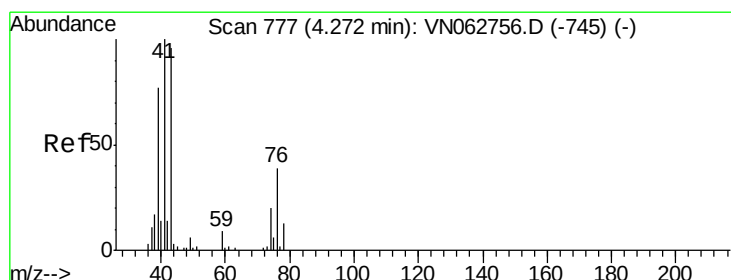
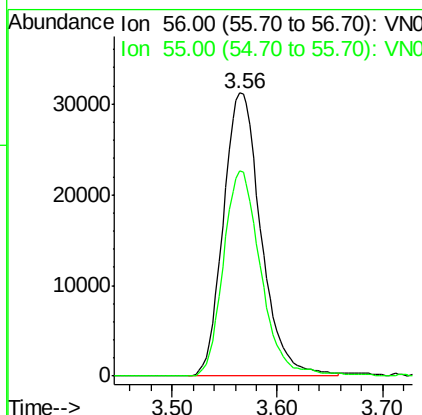
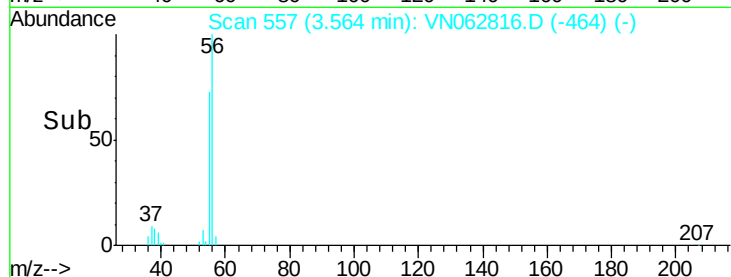
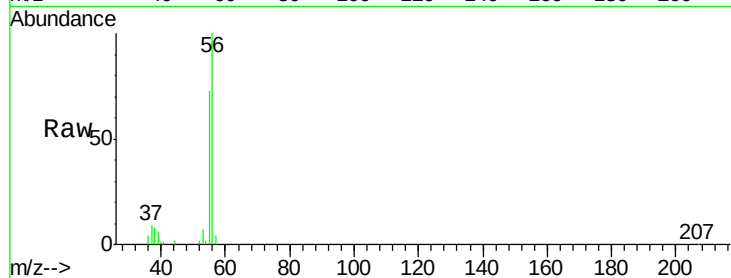
#13
Acrolein
Concen: 306.997 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	56	Resp	77607
Ion Ratio	100	Lower	Upper
56	100		
55	71.7	57.0	85.6

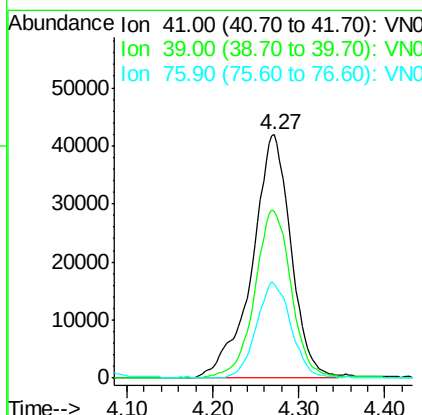
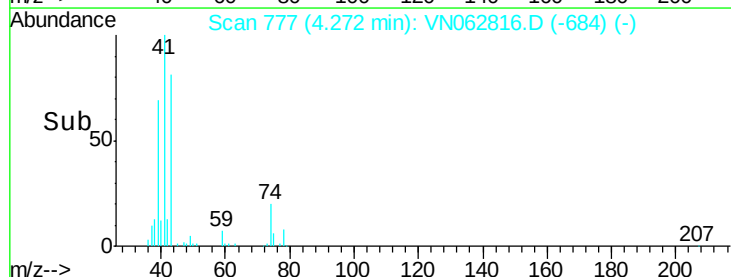
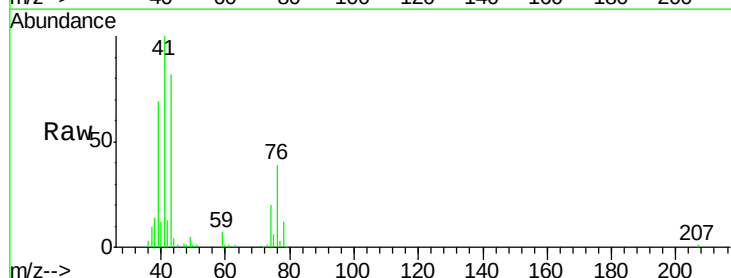
Manual Integrations
APPROVED

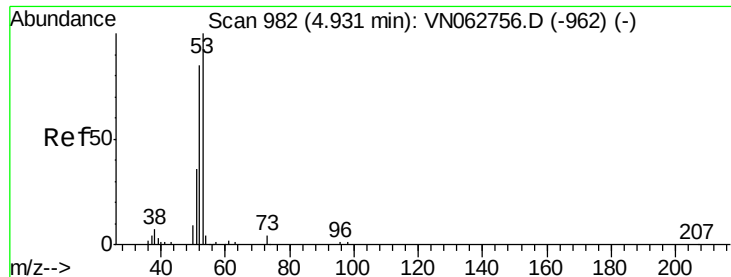
sam
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#14
Allyl chloride
Concen: 49.027 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	41	Resp	132227
Ion Ratio	100	Lower	Upper
41	100		
39	64.9	55.7	83.5
76	35.1	27.5	41.3





#15

Acrylonitrile

Concen: 266.079 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

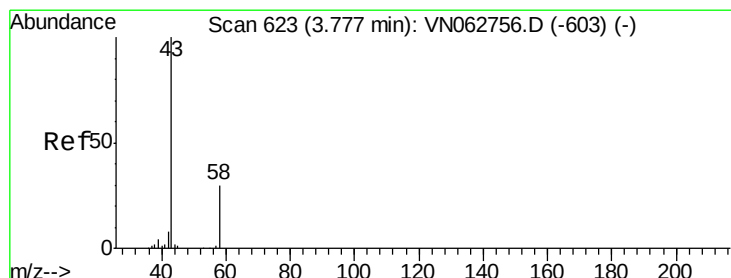
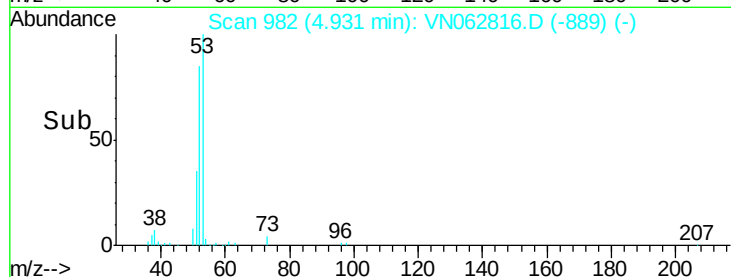
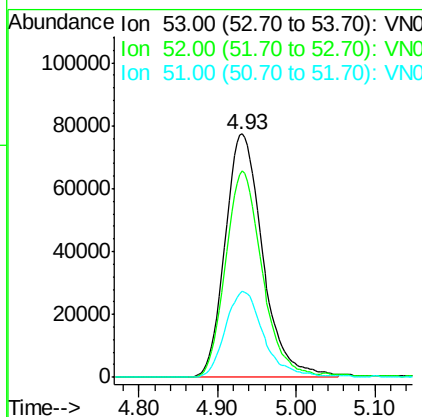
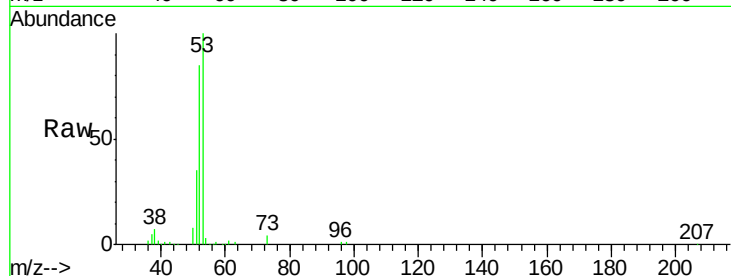
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	53	Resp:	257669
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.8	100.2
51	35.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 248.096 ug/l

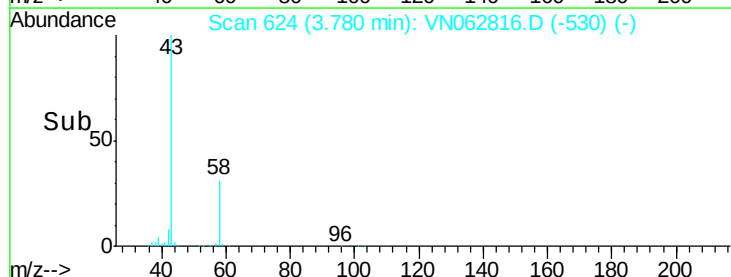
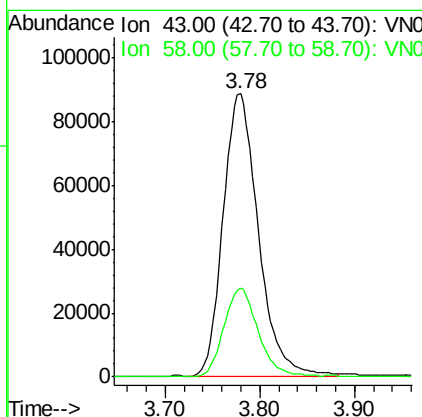
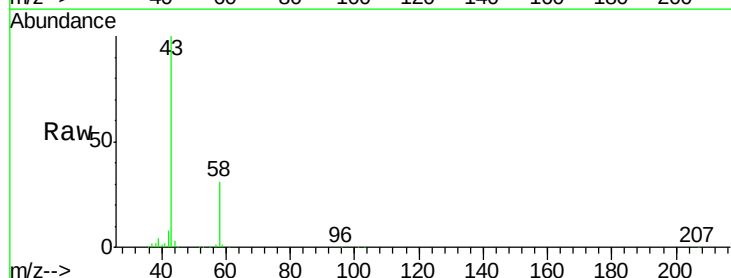
RT: 3.78 min Scan# 624

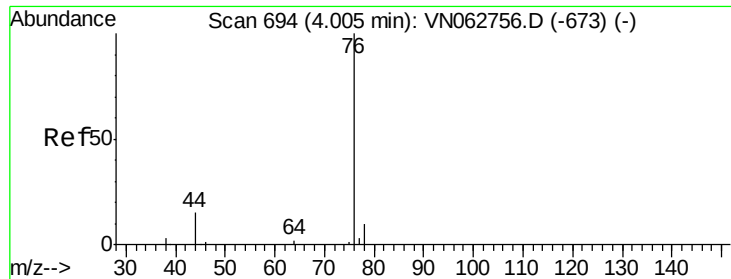
Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	43	Resp:	228369
Ion Ratio		Lower	Upper
43	100		
58	31.5	24.1	36.1





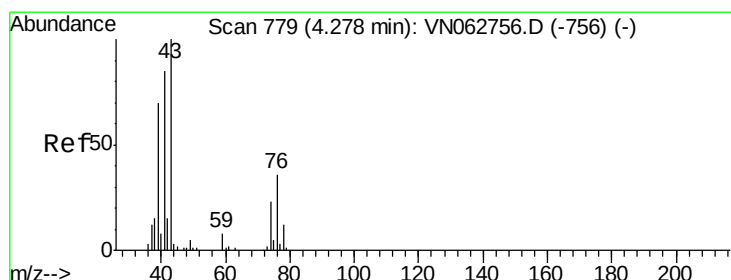
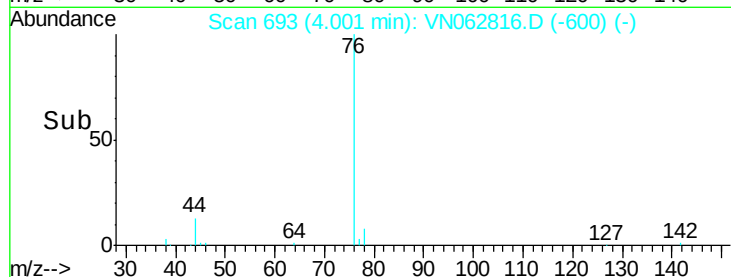
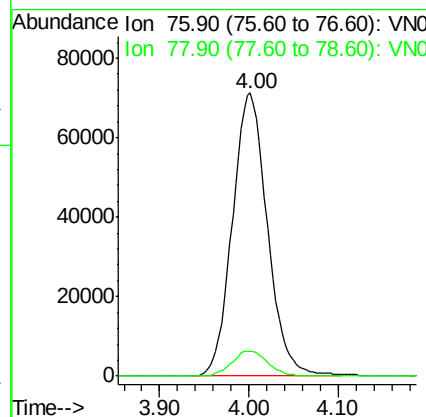
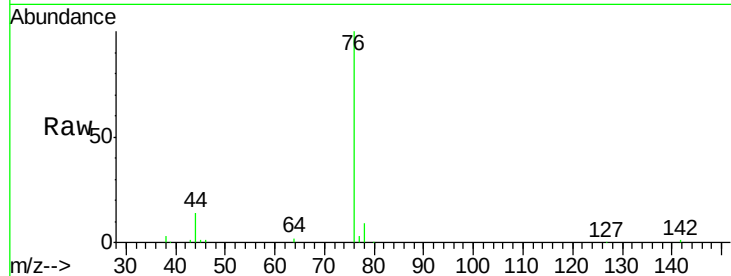
#17
Carbon Disulfide
Concen: 52.122 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.7	11.5

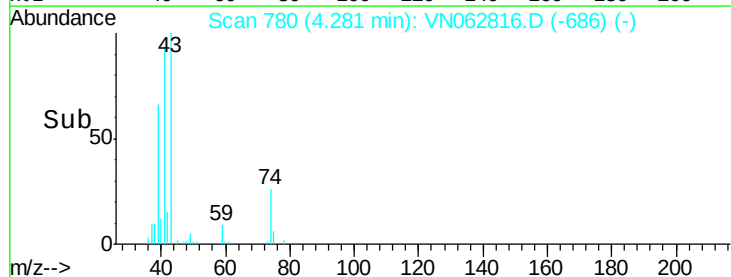
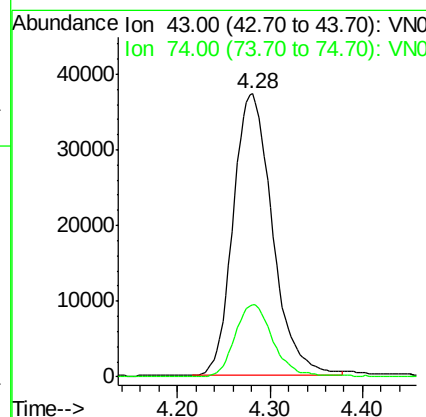
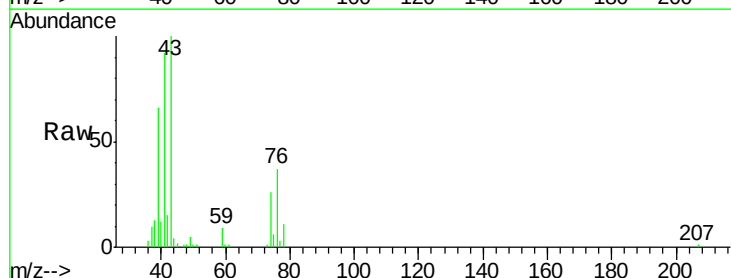
Manual Integrations
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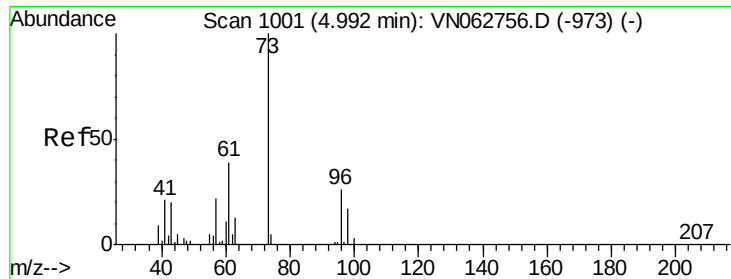
sam
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#18
Methyl Acetate
Concen: 50.370 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.6	28.0





#19

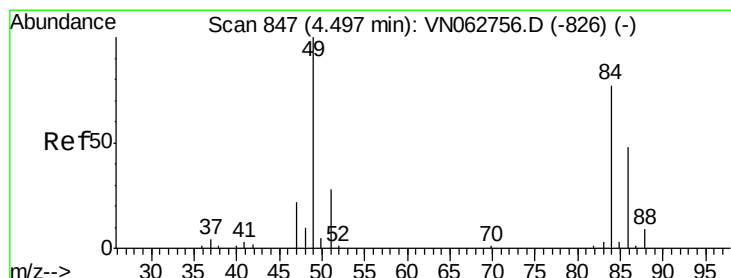
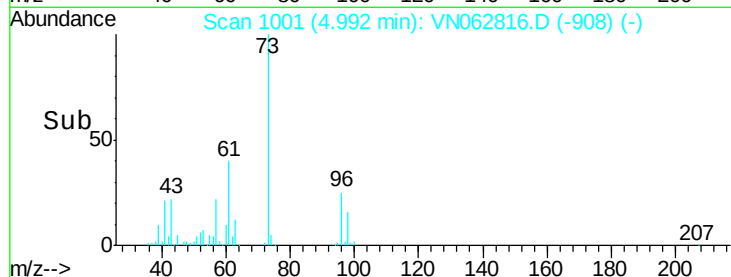
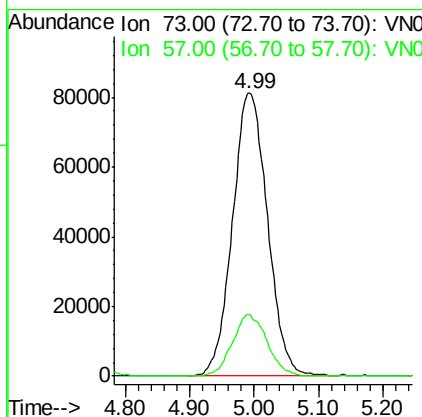
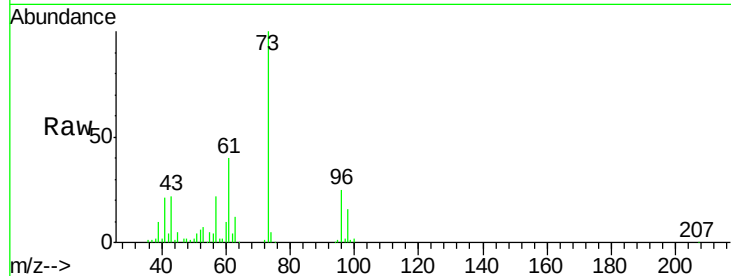
Methyl tert-butyl Ether
 Concen: 51.533 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	73	Resp	307563
Ion Ratio	100	Lower	Upper
57	22.1	17.5	26.3

Manual Integrations
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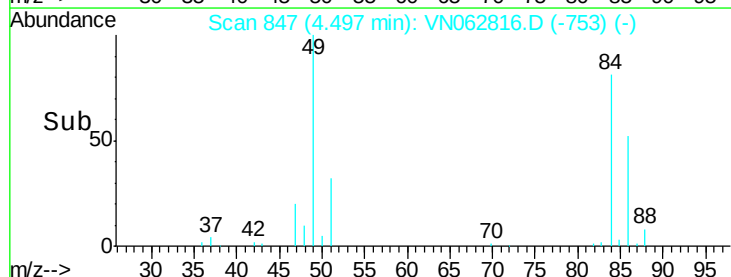
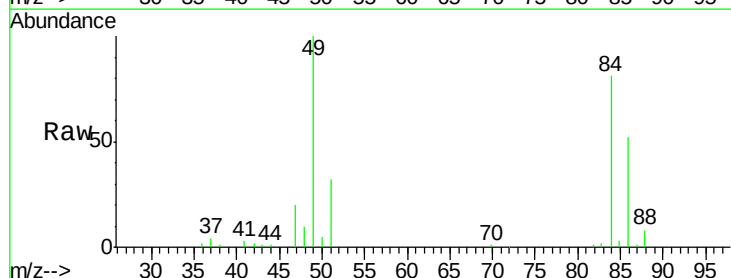
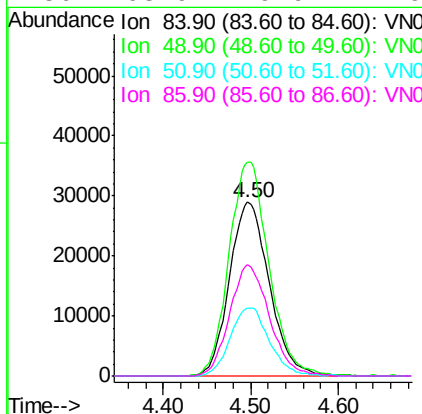
sam
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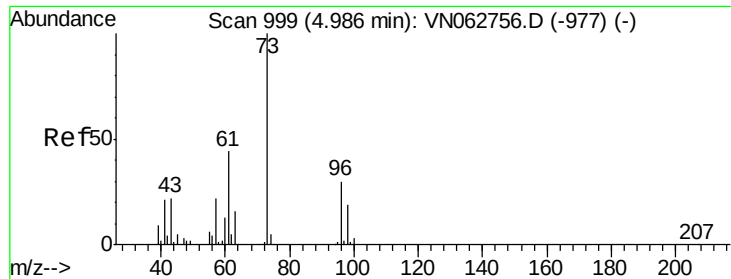


#20

Methylene Chloride
 Concen: 54.469 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	84	Resp	91641
Ion Ratio	100	Lower	Upper
49	123.0	103.4	155.2
51	38.8	29.3	43.9
86	63.9	49.9	74.9





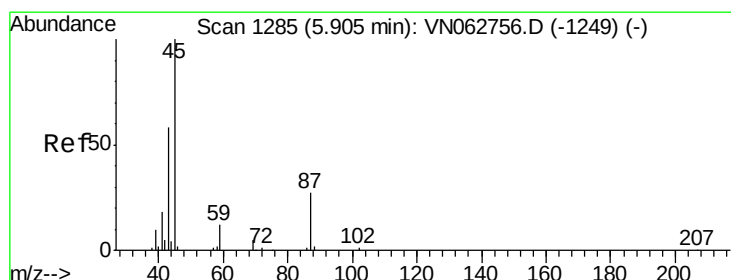
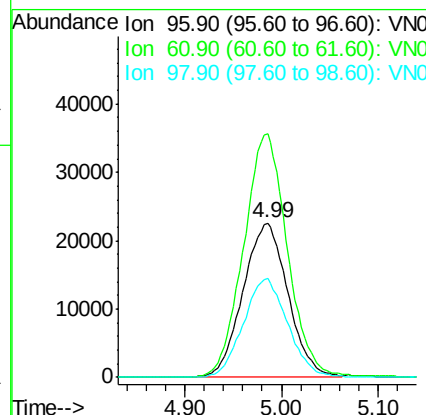
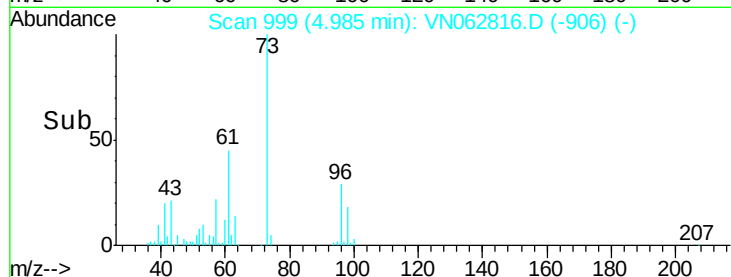
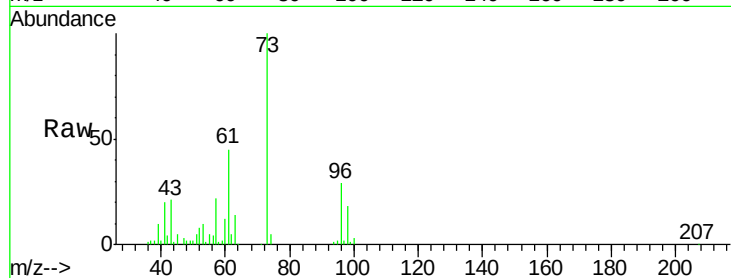
#21
trans-1,2-Dichloroethene
Concen: 47.221 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.0	118.8	178.2
98	63.9	51.0	76.4

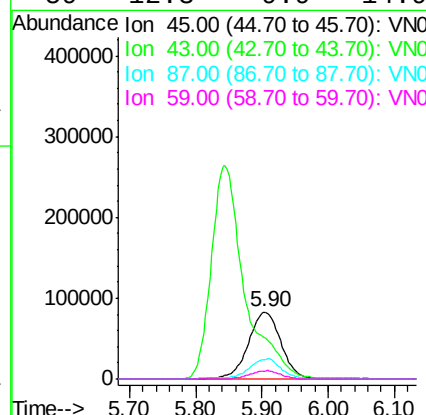
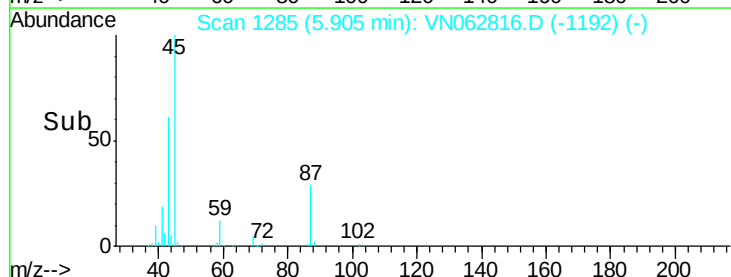
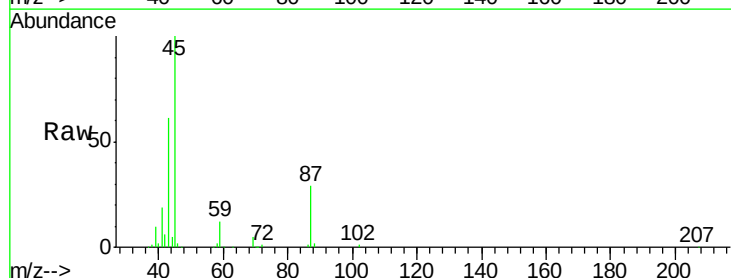
Manual Integrations
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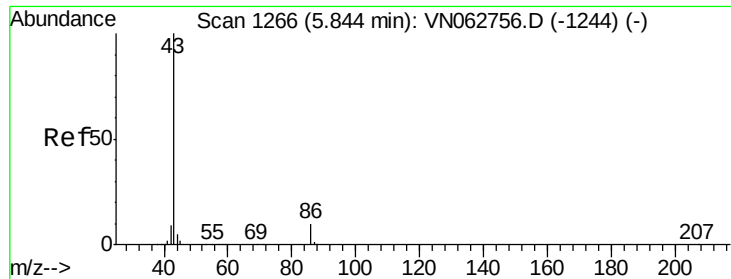
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#22
Diisopropyl ether
Concen: 49.415 ug/l
RT: 5.90 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	47.4	71.2
87	29.4	22.8	34.2
59	12.3	9.9	14.9





#23

Vinyl Acetate

Concen: 211.358 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion: 43 Resp: 923002

Ion Ratio Lower Upper

43 100

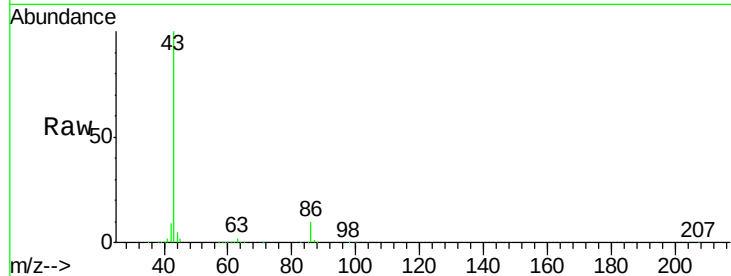
86 10.2 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

300000

250000

200000

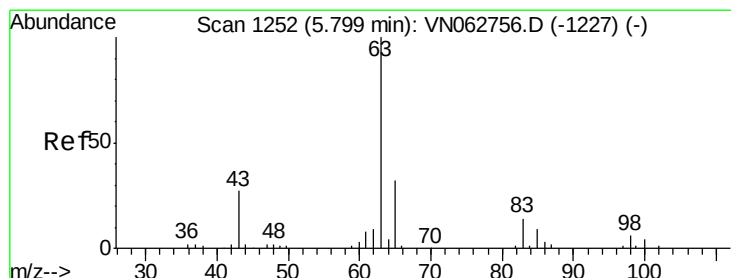
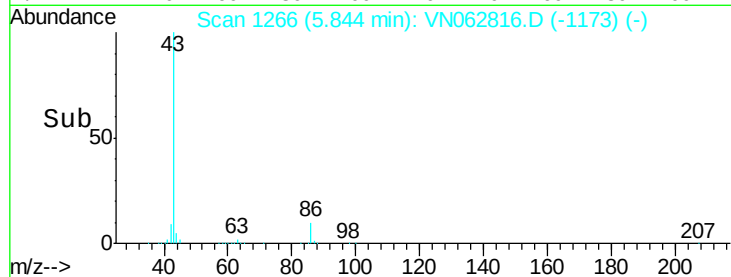
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.236 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

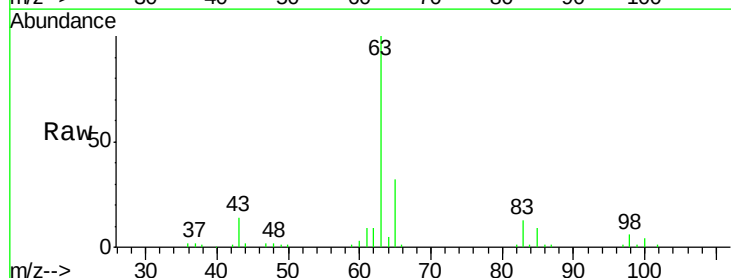
Tgt Ion: 63 Resp: 158930

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.2 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

60000

50000

40000

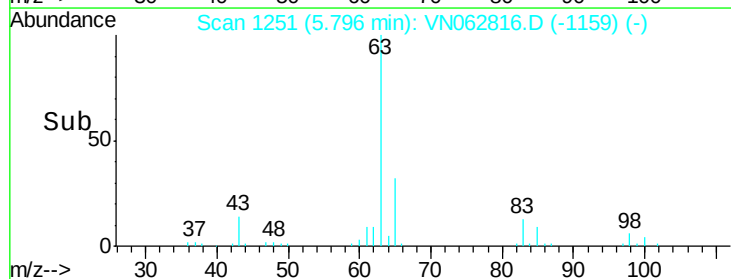
30000

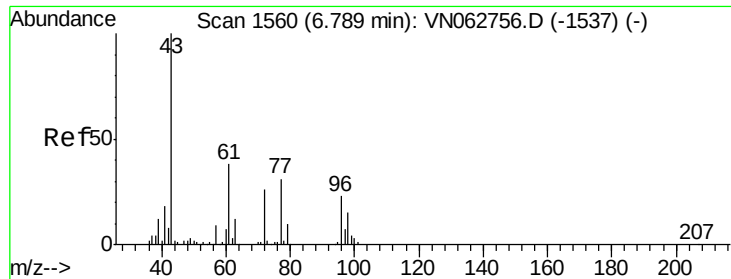
20000

10000

0

Time-->





#25

2-Butanone

Concen: 243.973 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion: 43 Resp: 318065

Ion Ratio Lower Upper

43 100

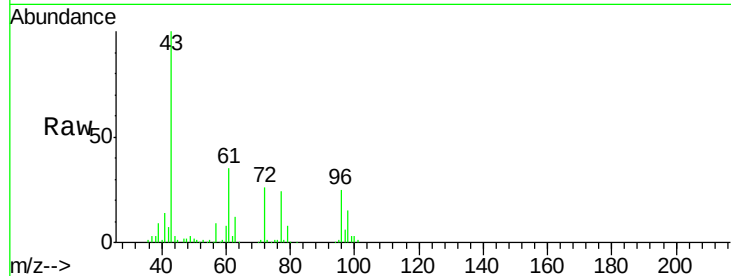
72 26.3 21.1 31.7

Manual Integrations

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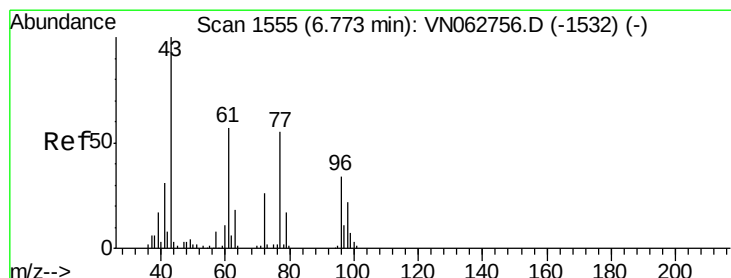
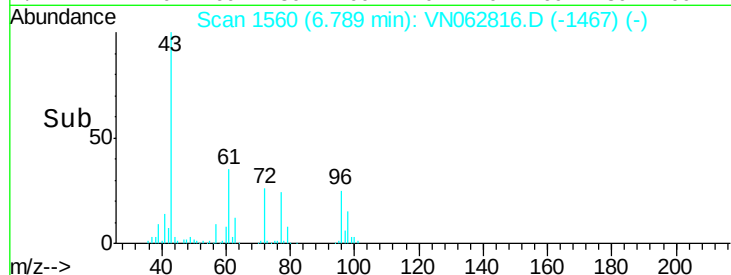
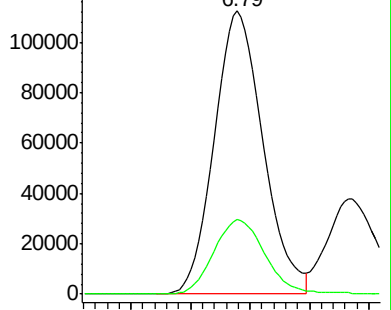
sam

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Abundance Ion 43.00 (42.70 to 43.70): VN062816.D (-1467) (-)

Ion 72.00 (71.70 to 72.70): VN062816.D (-1467) (-)



#26

2,2-Dichloropropane

Concen: 36.417 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062816.D

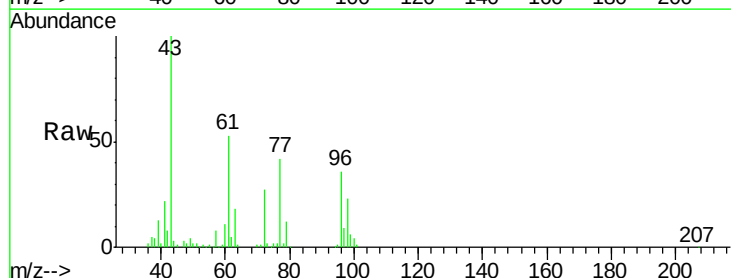
Acq: 10 Aug 2020 18:12

Tgt Ion: 77 Resp: 112945

Ion Ratio Lower Upper

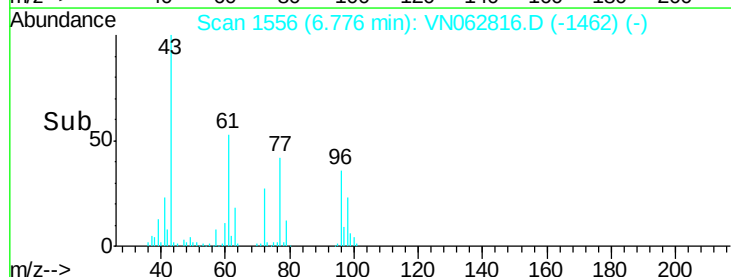
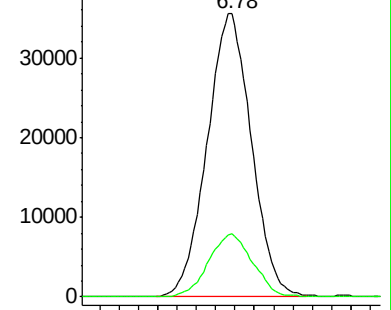
77 100

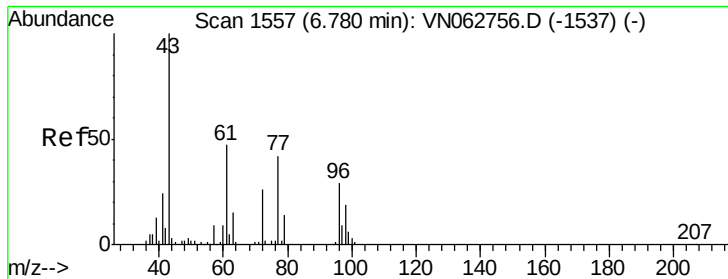
97 22.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN062816.D (-1462) (-)

Ion 96.90 (96.60 to 97.60): VN062816.D (-1462) (-)





#27

cis-1,2-Dichloroethene

Concen: 49.250 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

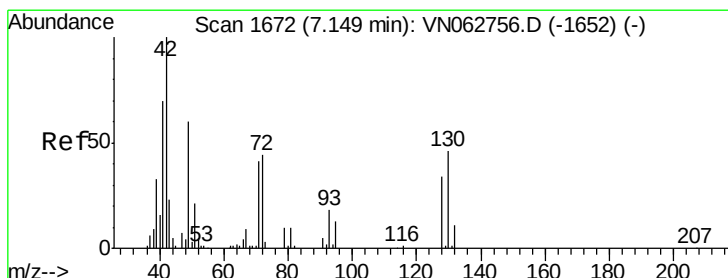
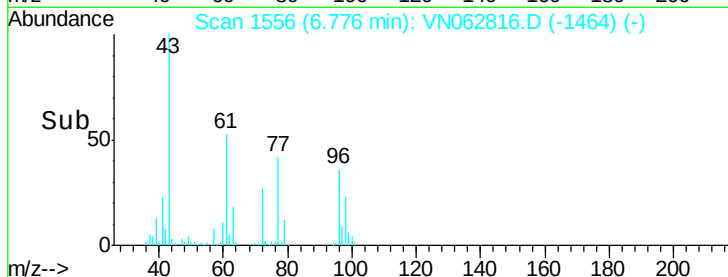
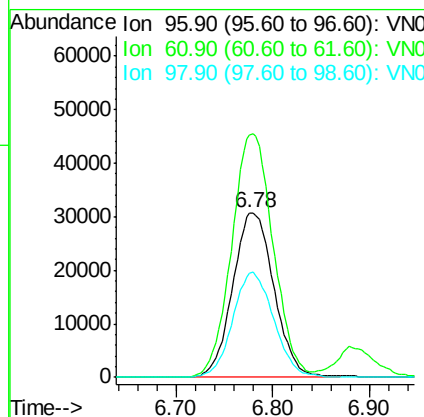
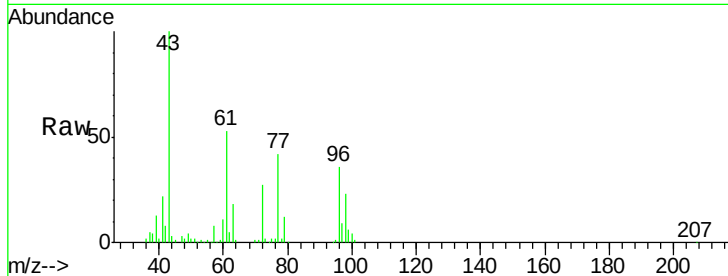
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	96	Resp:	91076
Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	332.2
98	63.7	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 48.825 ug/l

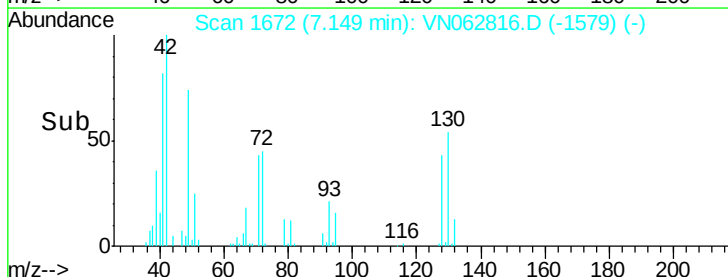
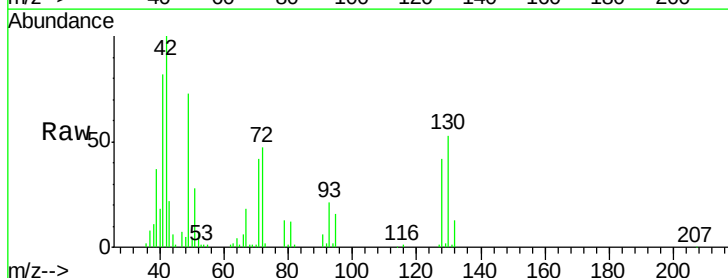
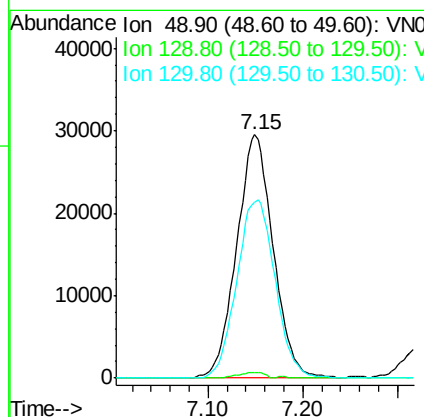
RT: 7.15 min Scan# 1672

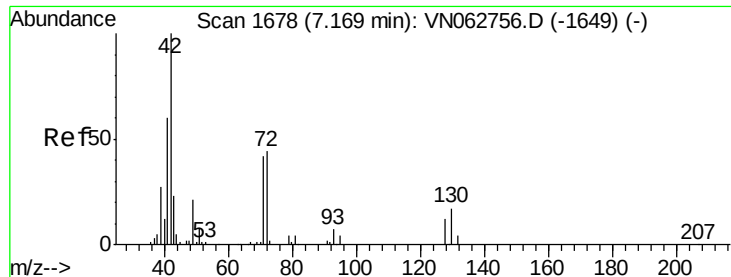
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	49	Resp:	79284
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	76.7	59.0	88.6





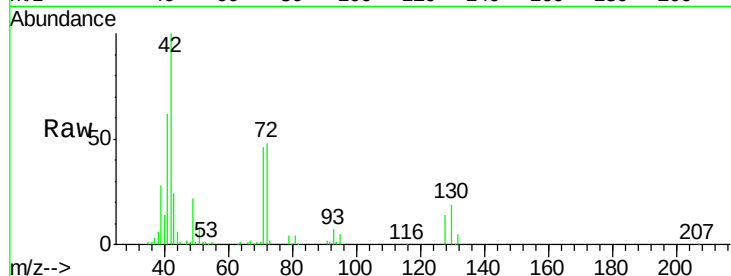
#29
Tetrahydrofuran
Concen: 246.536 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

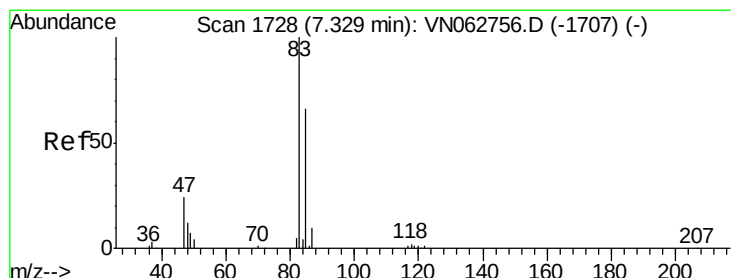
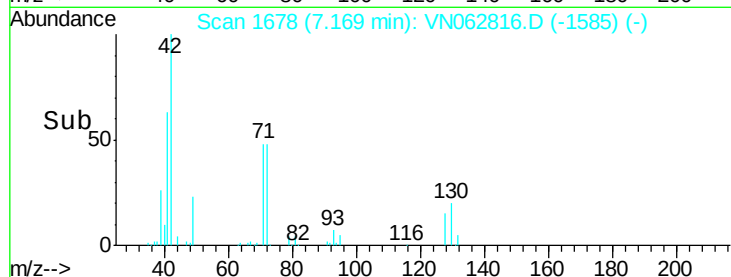
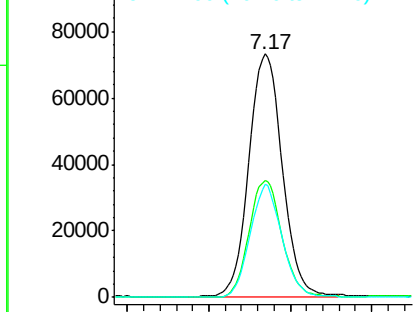
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	35.0	52.4
71	43.7	33.2	49.8

Manual Integrations
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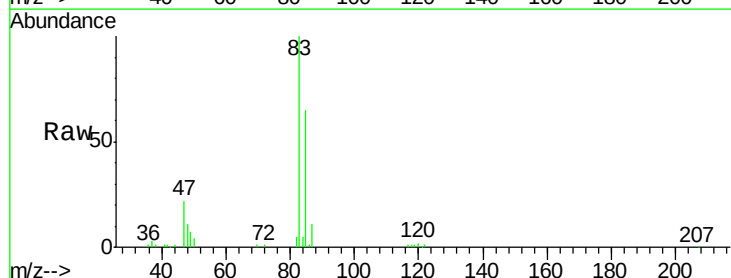


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

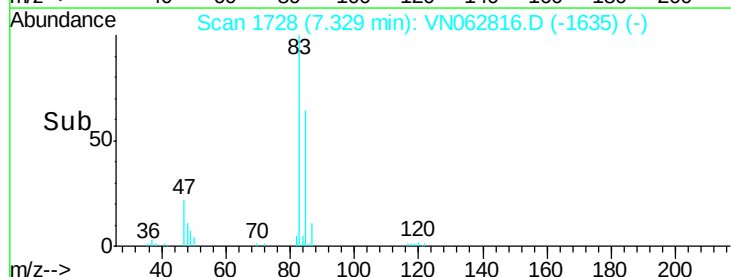
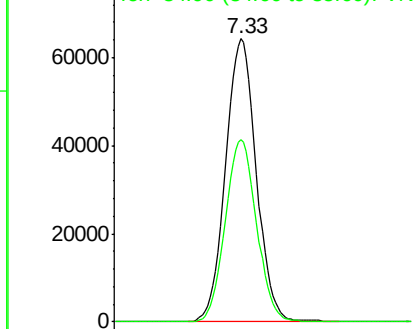


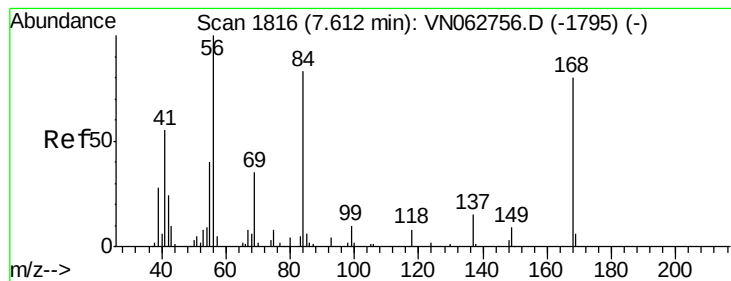
#30
Chloroform
Concen: 47.546 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.7	79.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.860 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

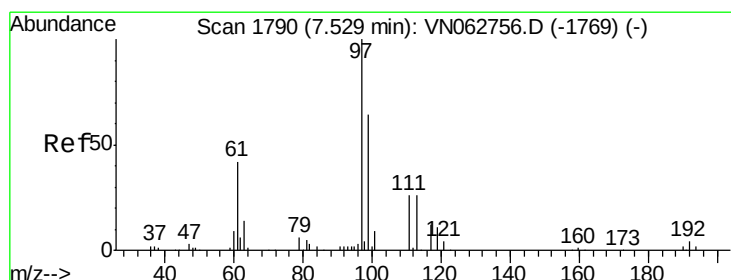
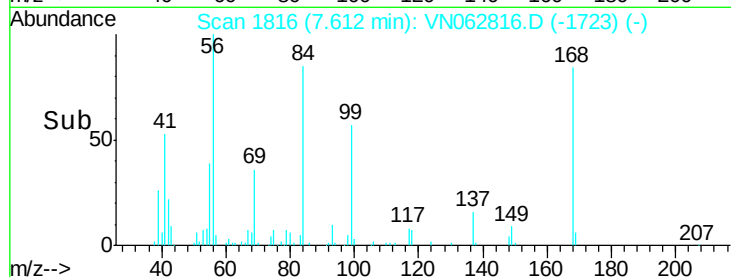
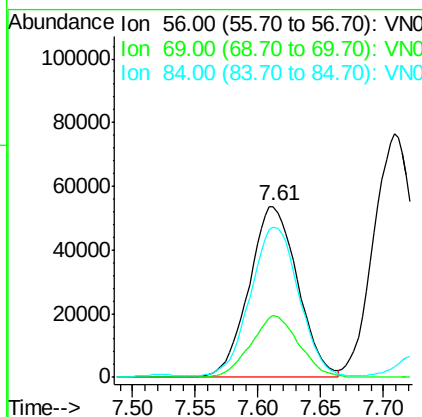
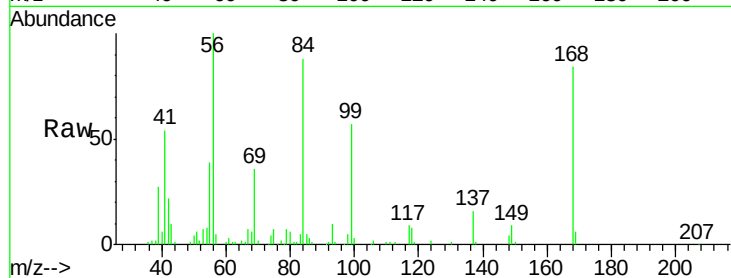
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	56	Resp:	144728
Ion Ratio	Lower	Upper	
56	100		
69	35.9	28.1	42.1
84	87.0	66.8	100.2

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#32

1,1,1-Trichloroethane

Concen: 47.757 ug/l

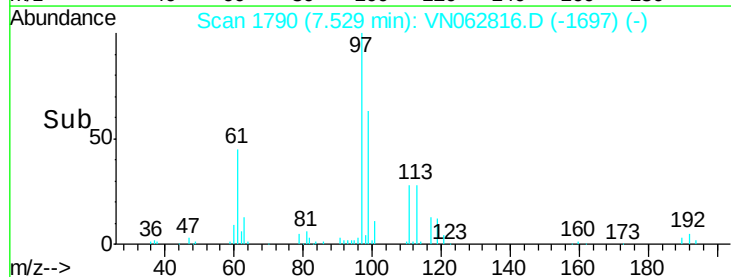
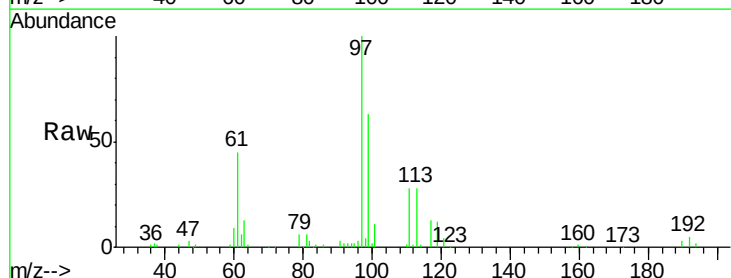
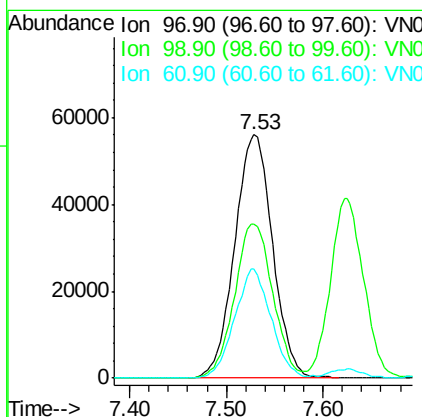
RT: 7.53 min Scan# 1790

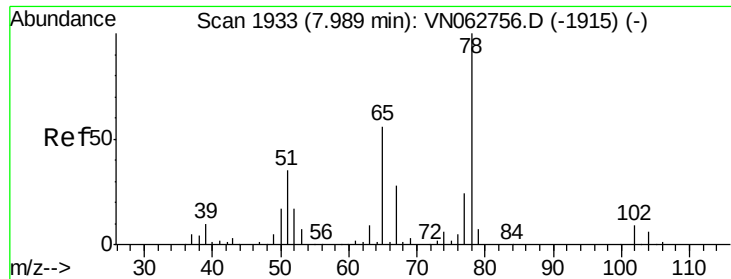
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	97	Resp:	152675
Ion Ratio	Lower	Upper	
97	100		
99	64.0	50.0	75.0
61	43.0	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 48.906 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion: 65 Resp: 124584

Ion Ratio Lower Upper

65 100

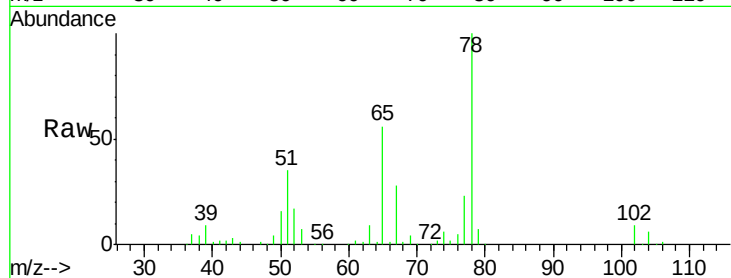
67 51.4 0.0 101.4

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Abundance Ion 64.90 (64.60 to 65.60): VN062816.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062816.D (-1840) (-)

7.99

60000

50000

40000

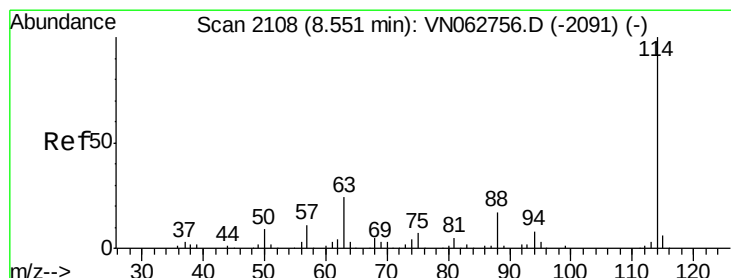
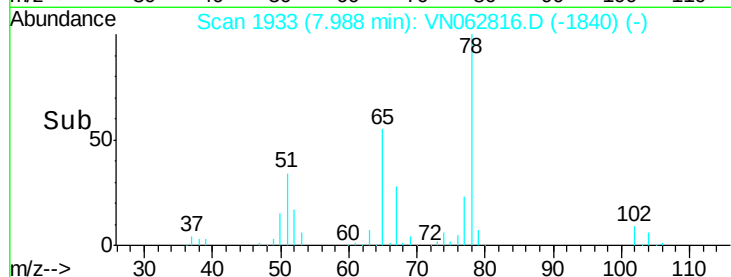
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

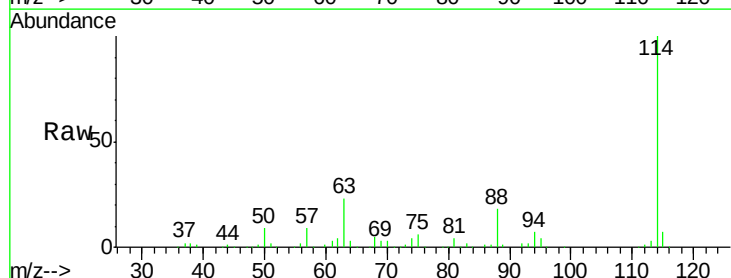
Tgt Ion: 114 Resp: 256015

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.6

88 17.7 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VN062816.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062816.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062816.D (-2015) (-)

8.55

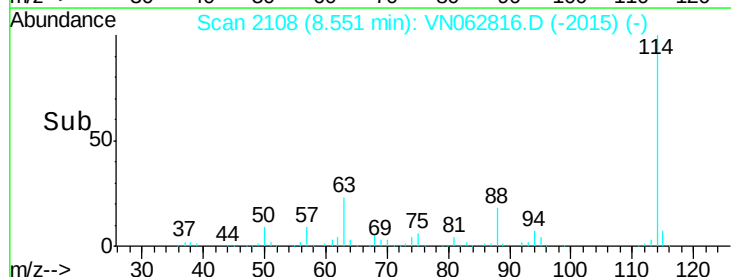
150000

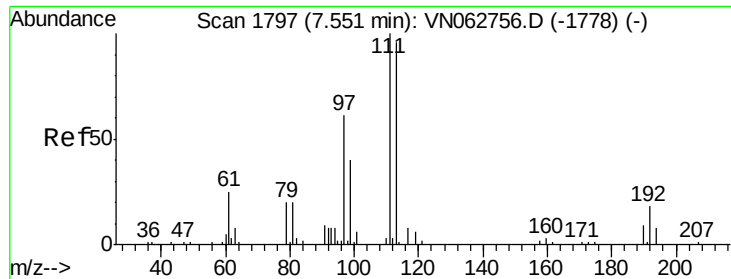
100000

50000

0

Time-->





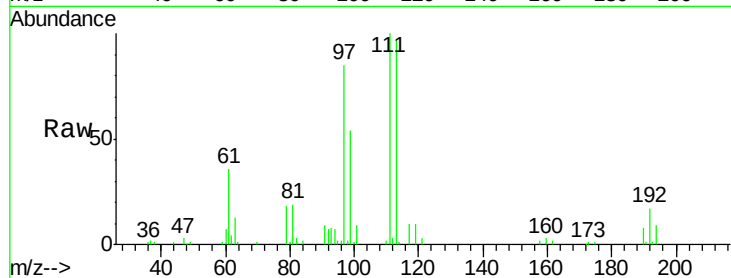
#35
 Dibromofluoromethane
 Concen: 50.176 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	18.1	15.0	22.4

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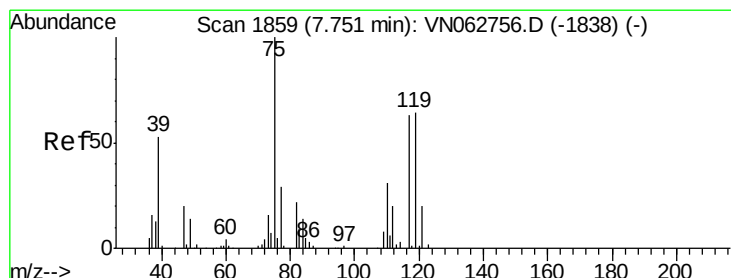
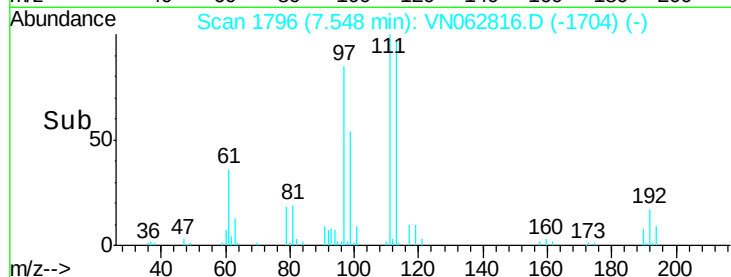
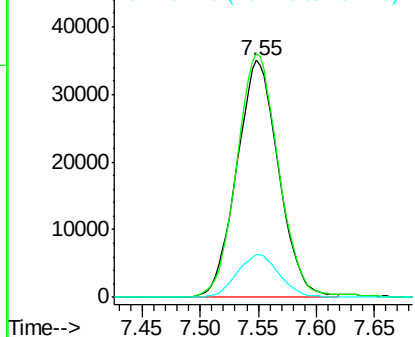


Abundance

Ion 112.80 (112.50 to 113.50): V

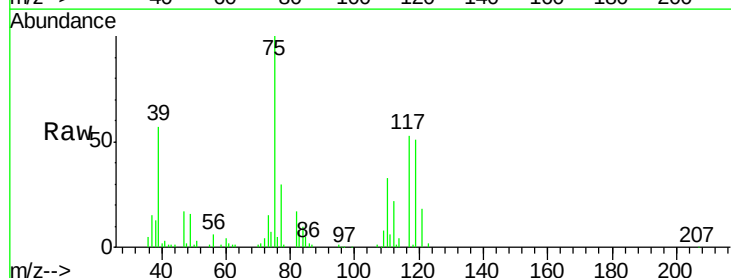
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 45.132 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	15.6	46.7
77	30.8	24.1	36.1

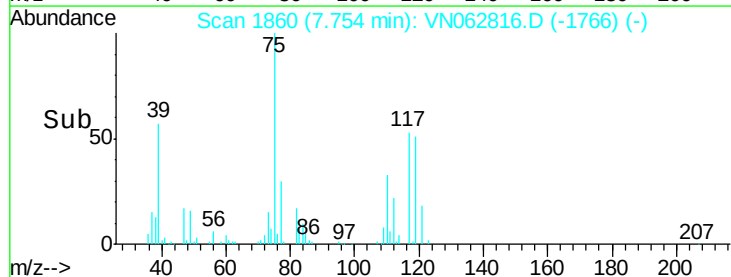
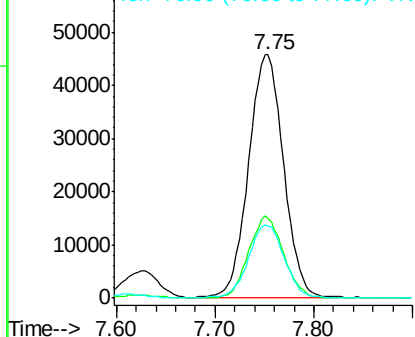


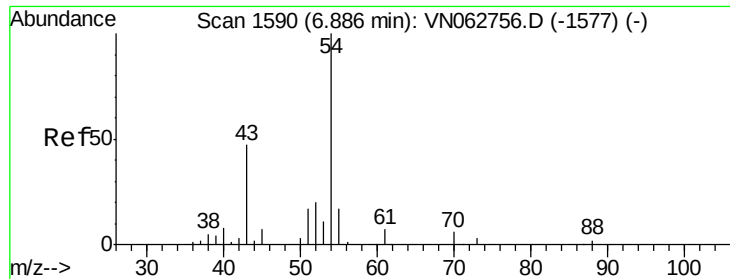
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





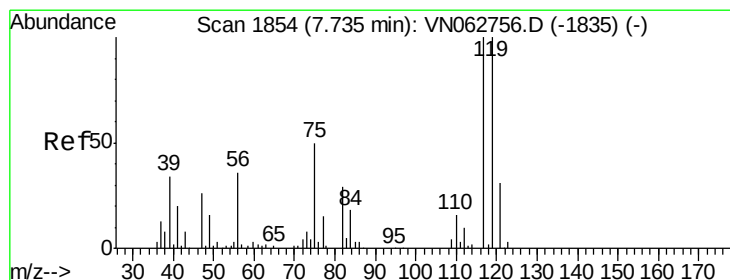
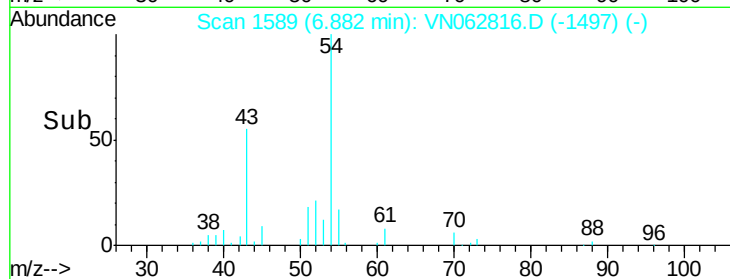
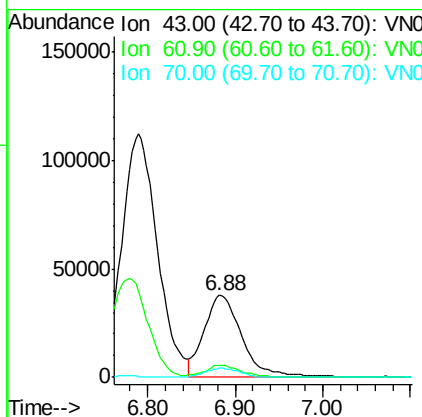
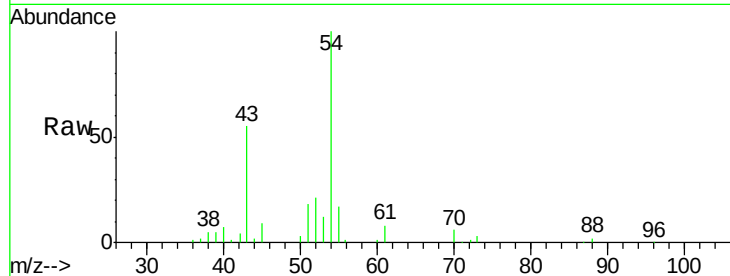
#37
Ethyl Acetate
Concen: 42.751 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.1	18.1
70	10.5	8.3	12.5

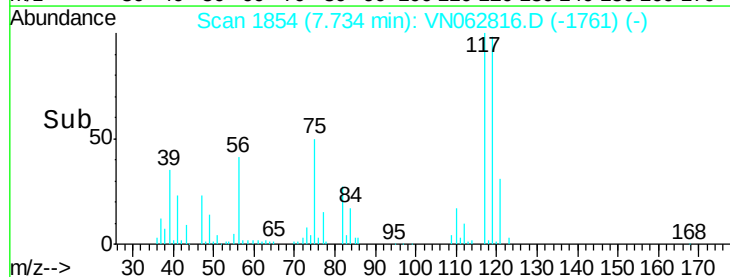
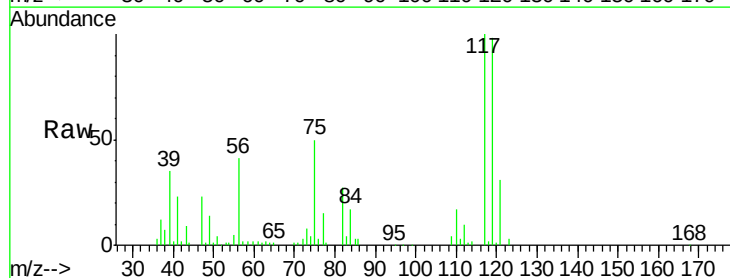
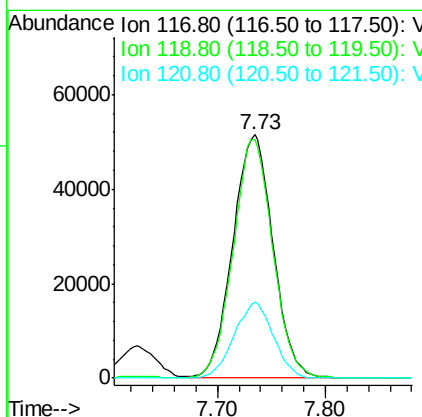
Manual Integrations
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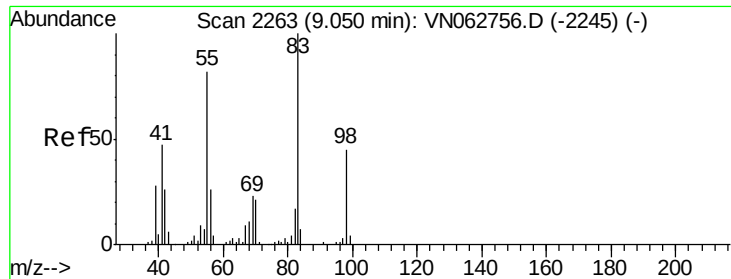
sam
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#38
Carbon Tetrachloride
Concen: 45.384 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	79.4	119.2
121	31.2	24.9	37.3





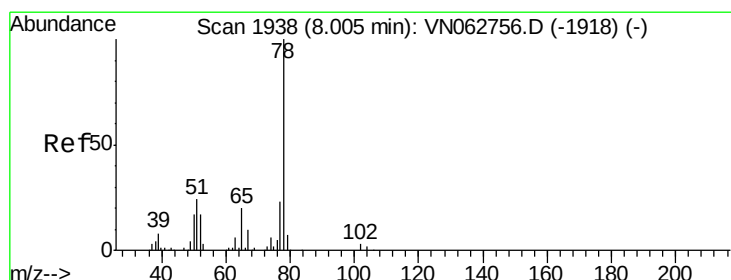
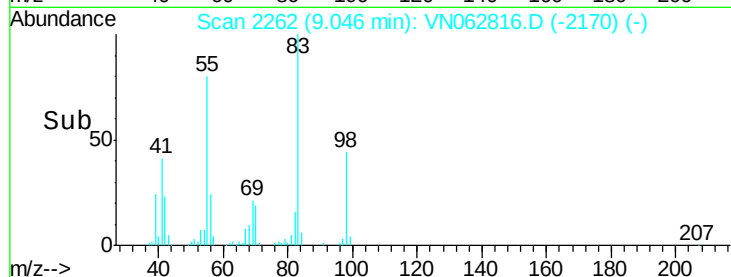
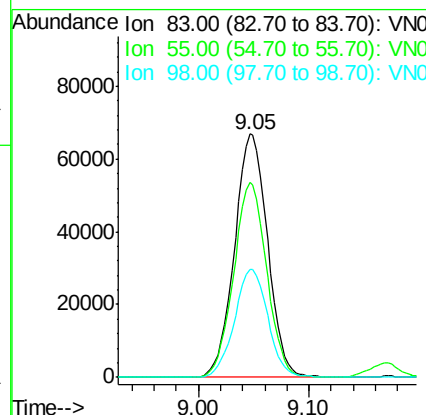
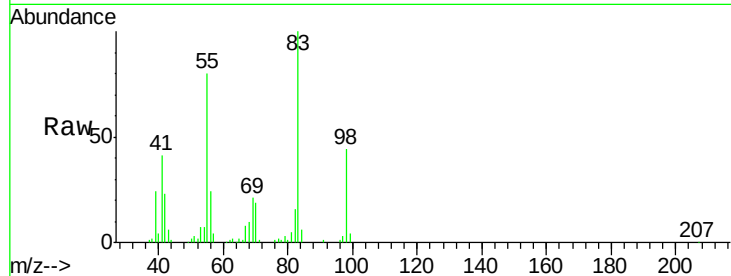
#39
Methylvlcyclohexane
Concen: 46.385 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.1	65.7	98.5	
98	44.4	35.6	53.4	

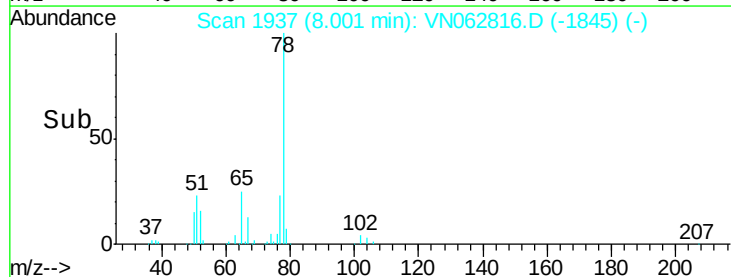
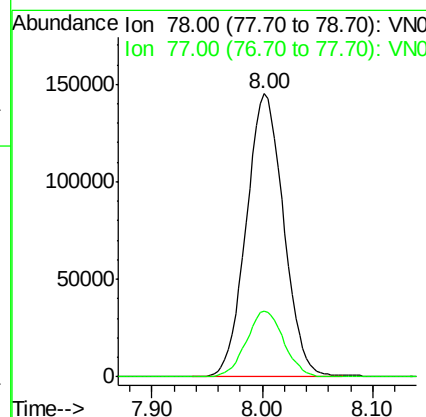
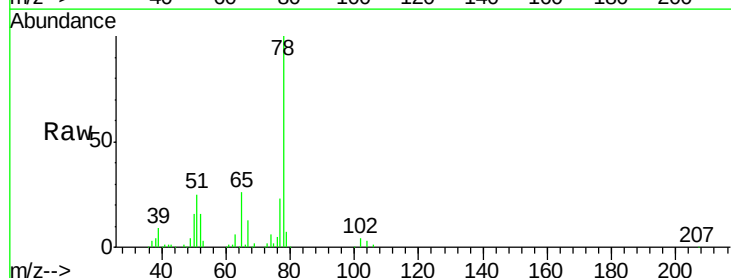
Manual Integrations
APPROVED

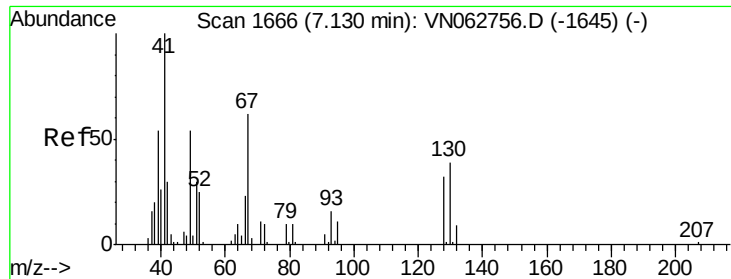
sam
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#40
Benzene
Concen: 45.832 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.1	27.1	





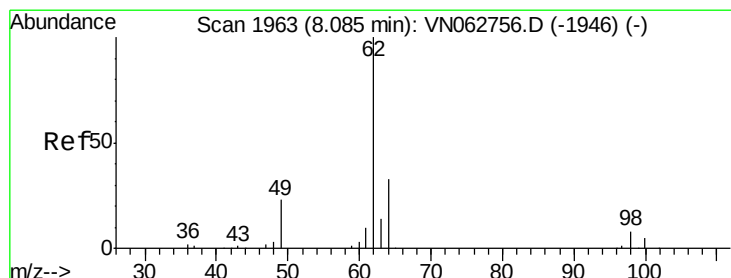
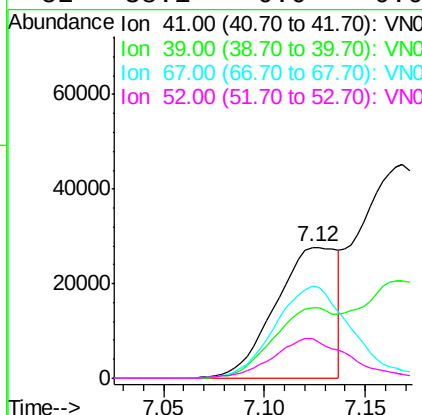
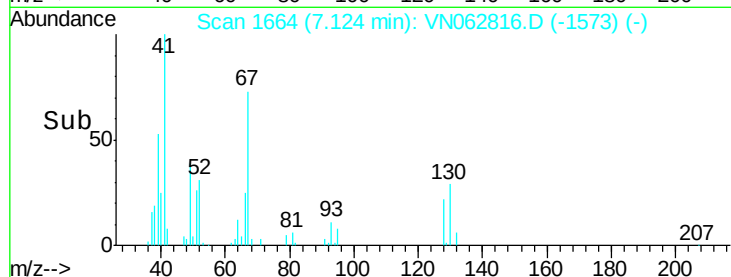
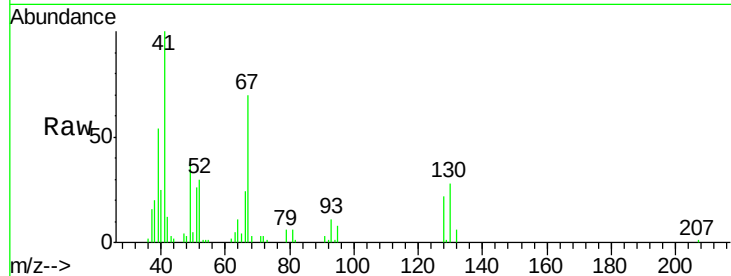
#41
Methacrylonitrile
Concen: 50.068 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		58832		
39	53.9	69.4	104.2#		
67	88.5	0.0	0.0#		
52	38.1	0.0	0.0#		

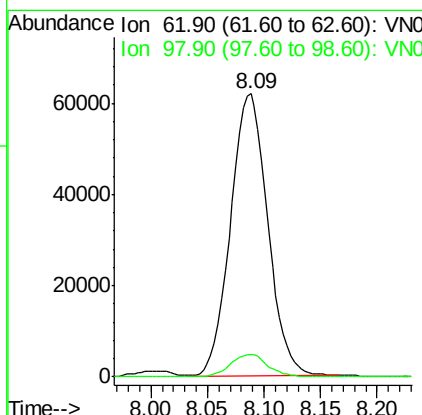
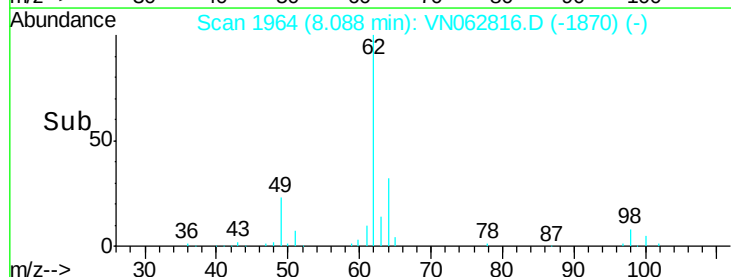
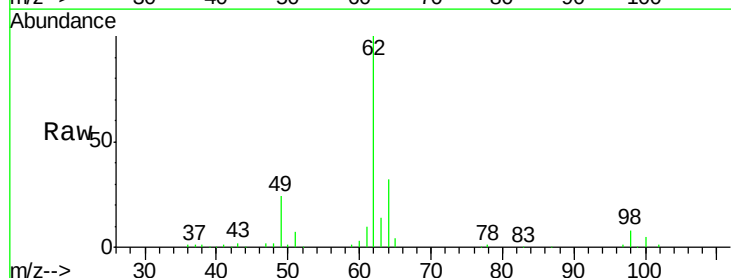
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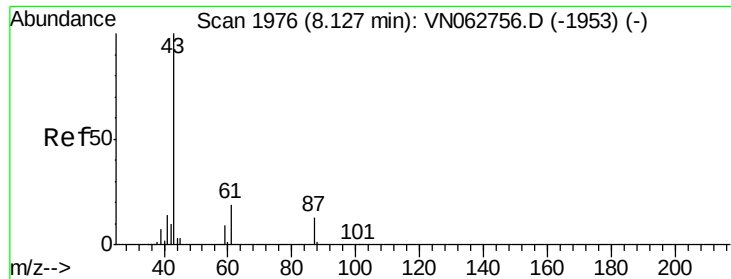
sam
8/11/2020 3:25:05 PM



#42
1,2-Dichloroethane
Concen: 44.860 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		142030		
98	8.0	0.0	15.8		





#43

Isopropyl Acetate

Concen: 43.753 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

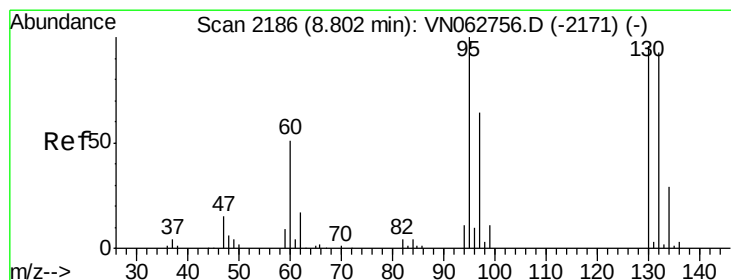
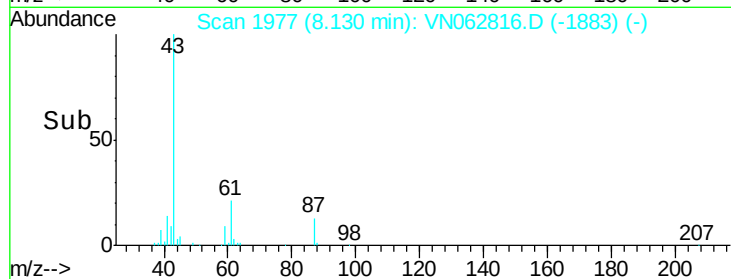
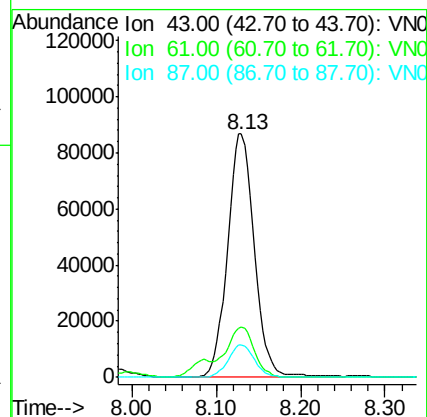
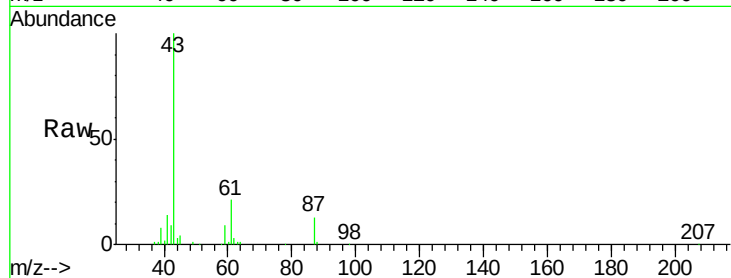
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	43	Resp:	190038
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.8	23.6
87	13.1	9.9	14.9

Manual Integrations
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sam
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#44

Trichloroethene

Concen: 45.768 ug/l

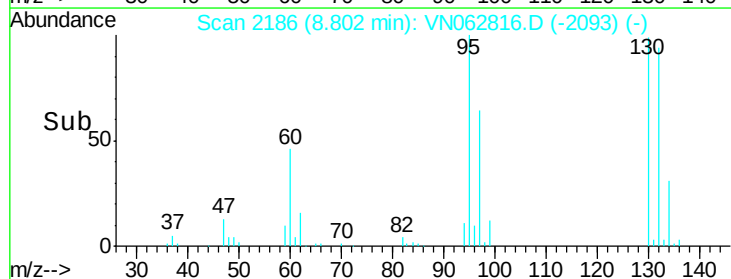
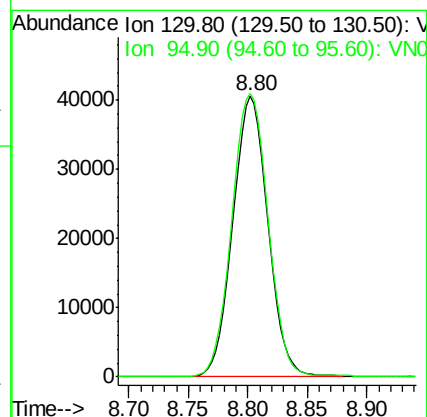
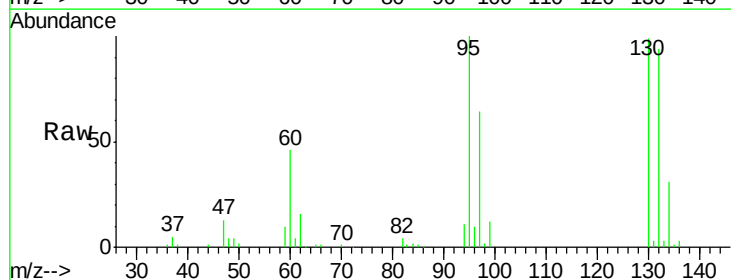
RT: 8.80 min Scan# 2186

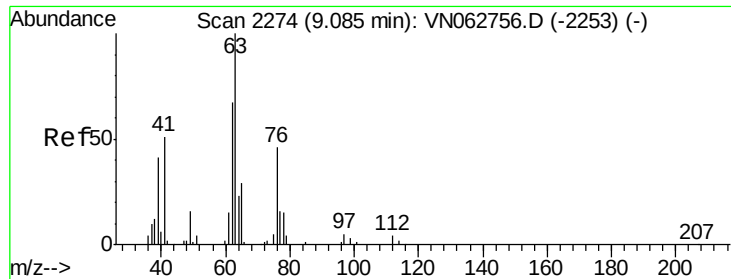
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	130	Resp:	82946
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	207.6





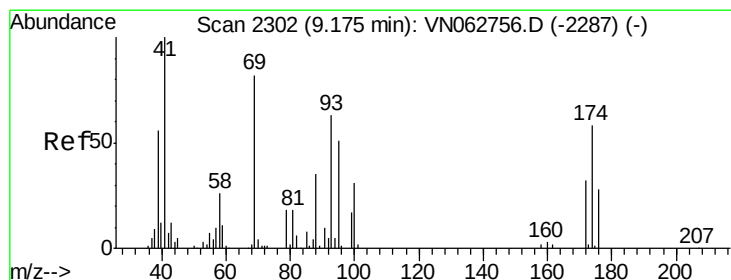
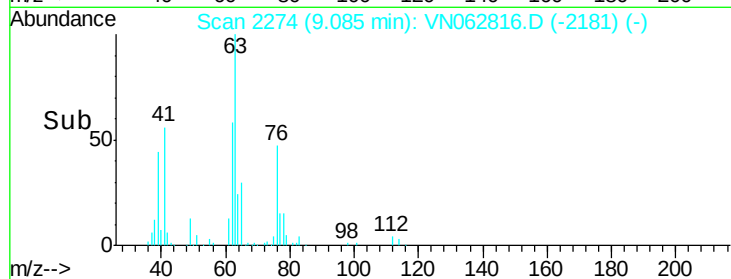
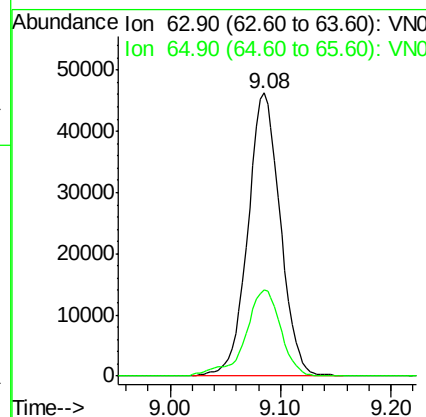
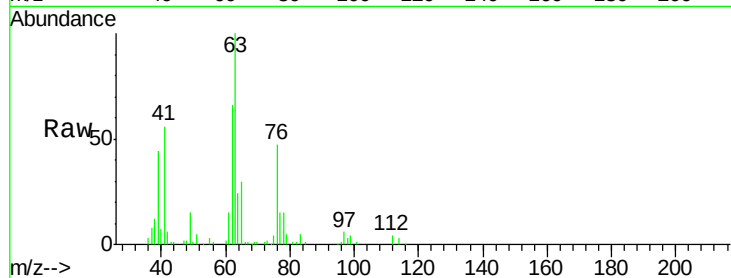
#45
 1,2-Dichloropropane
 Concen: 46.859 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	63	Resp	94341
Ion Ratio	Lower	Upper	
63	100		
65	30.4	23.5	35.3

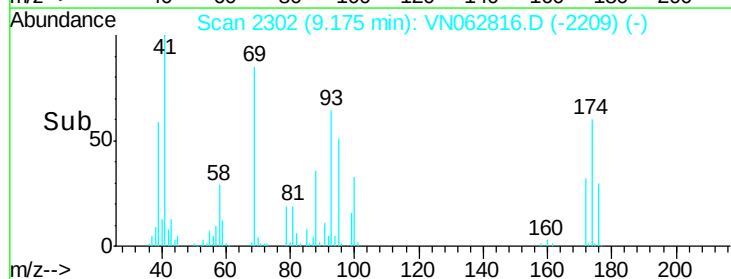
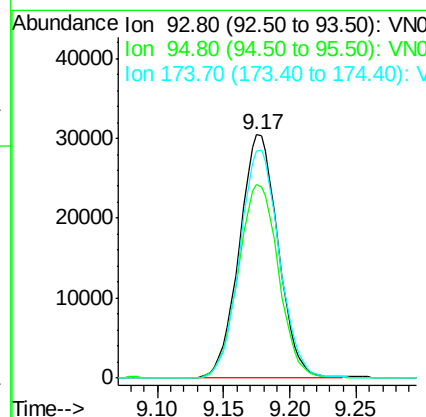
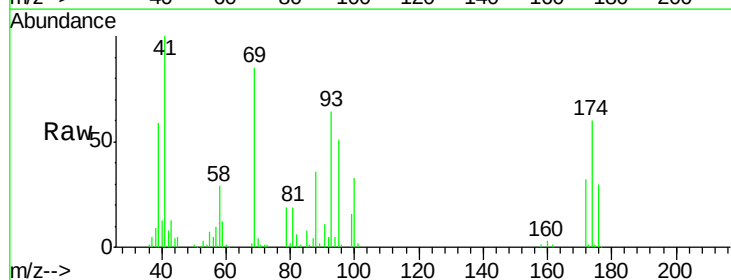
Manual Integrations
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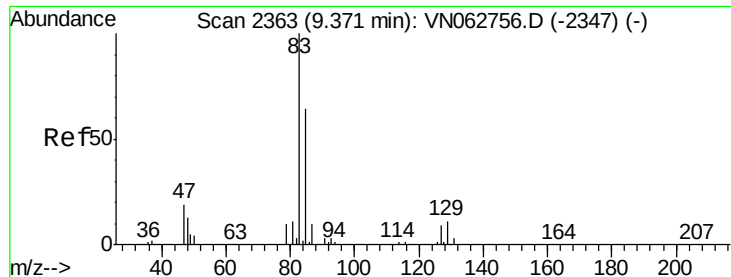
sam
 8/11/2020 3:25:05 PM



#46
 Dibromomethane
 Concen: 47.050 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	93	Resp	62066
Ion Ratio	Lower	Upper	
93	100		
95	81.9	65.1	97.7
174	95.4	73.9	110.9





#47

Bromodichloromethane

Concen: 47.276 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

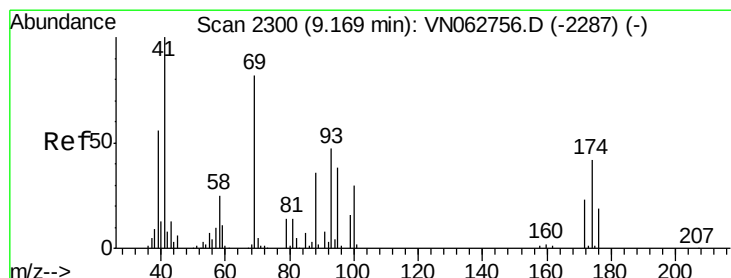
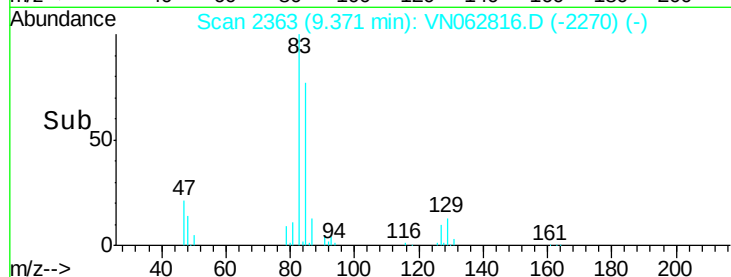
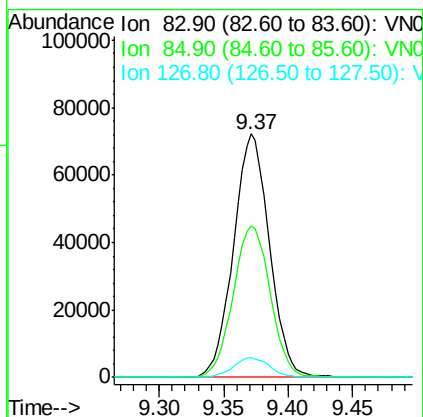
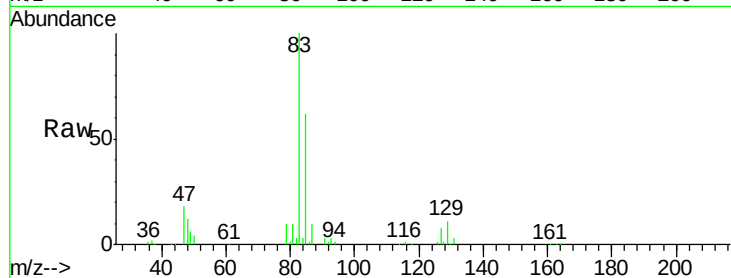
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	83	Resp:	140066
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.0
127	7.9	6.9	10.3

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 46.267 ug/l

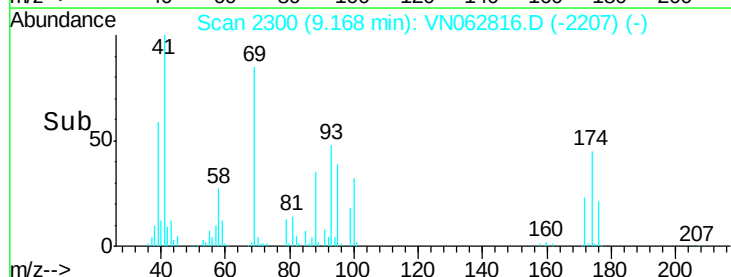
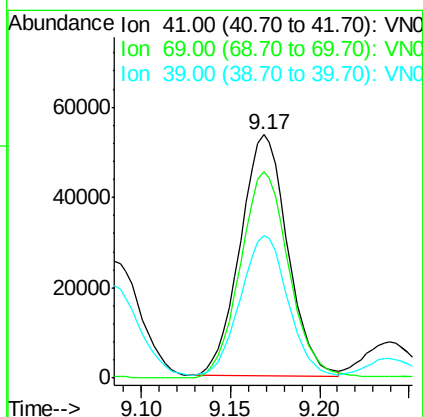
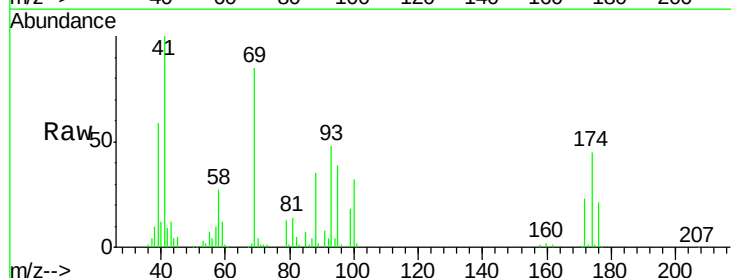
RT: 9.17 min Scan# 2300

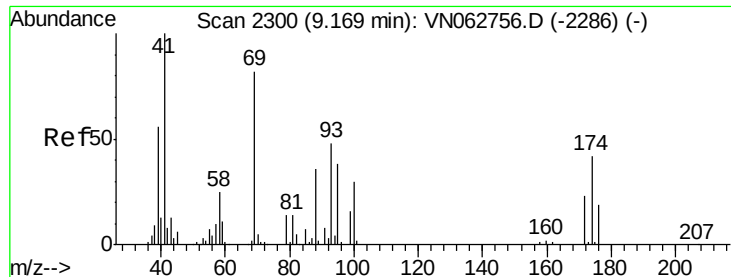
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	41	Resp:	98844
Ion	Ratio	Lower	Upper
41	100		
69	88.4	67.4	101.2
39	60.4	47.6	71.4





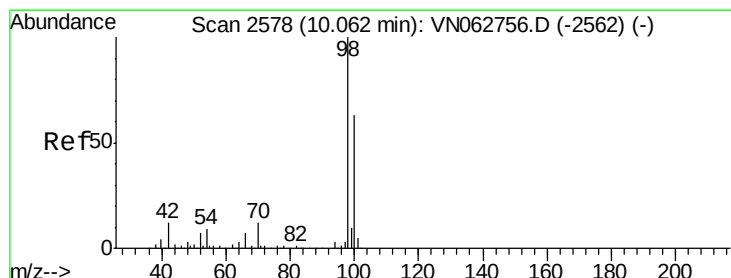
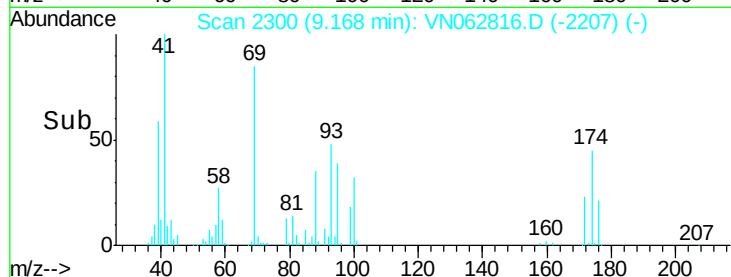
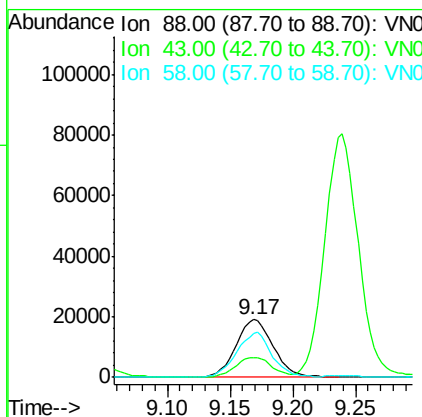
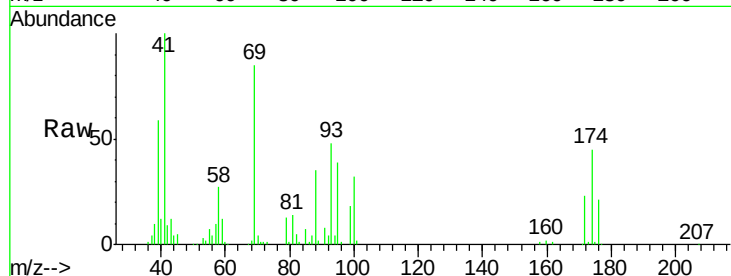
#49
1,4-Dioxane
Concen: 994.219 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.6	29.5	44.3	
58	73.7	59.8	89.8	

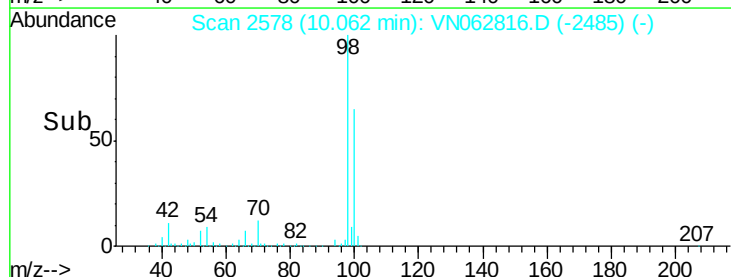
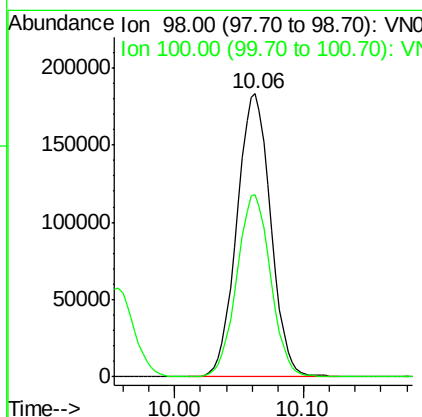
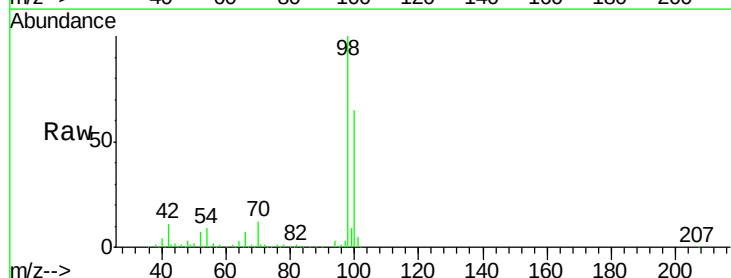
Manual Integrations
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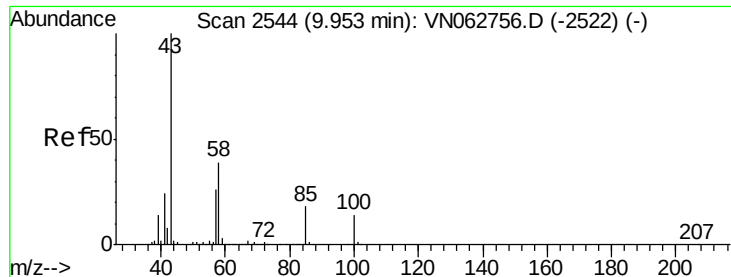
sam
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#50
Toluene-d8
Concen: 48.888 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.2	50.9	76.3	





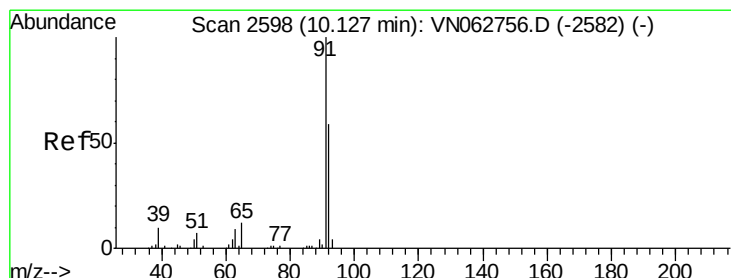
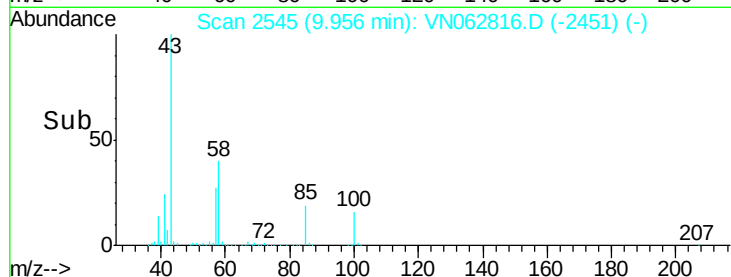
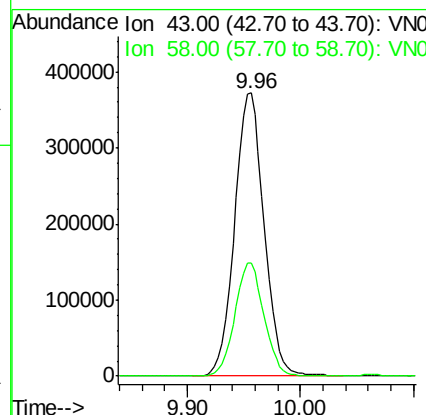
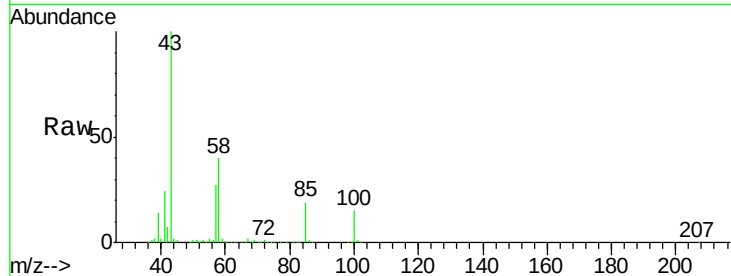
#51
 4-Methyl-2-Pentanone
 Concen: 239.687 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.1	46.7

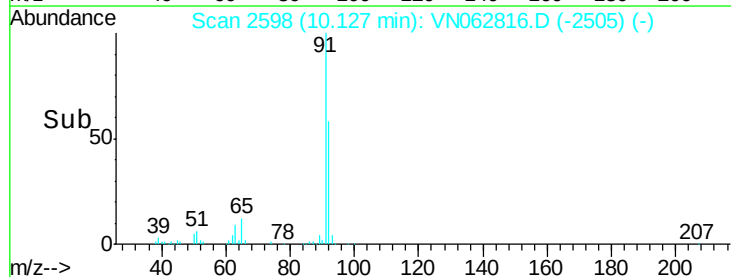
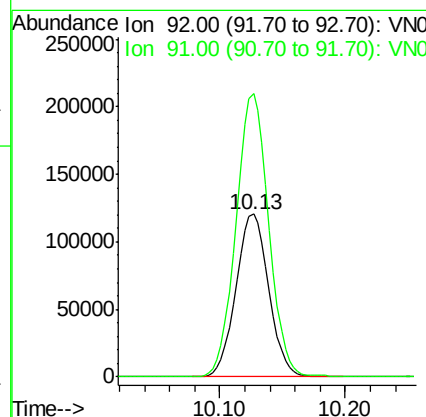
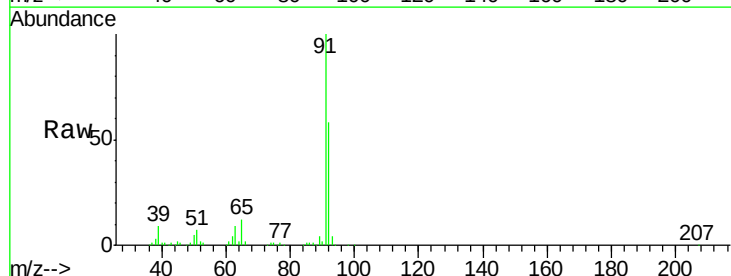
Manual Integrations
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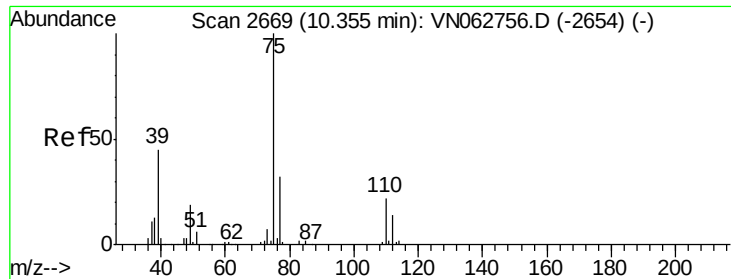
sam
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#52
 Toluene
 Concen: 47.582 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3





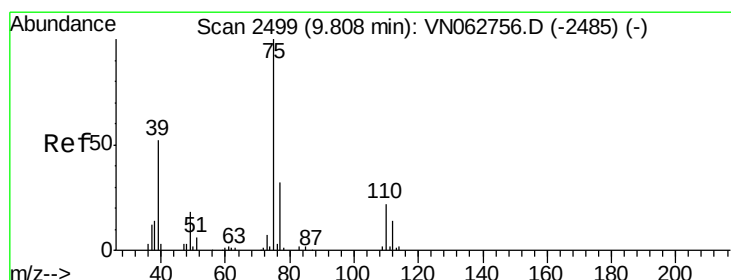
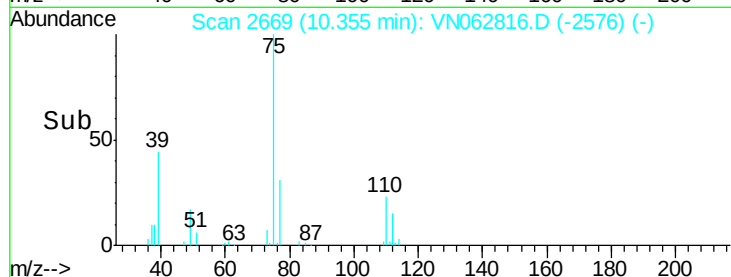
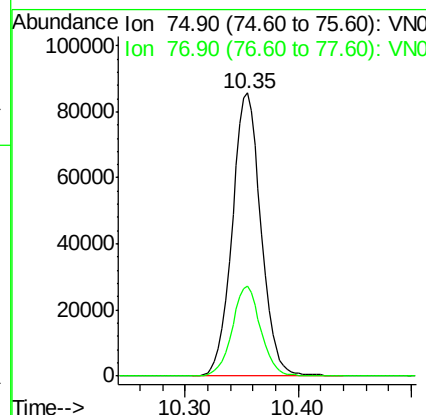
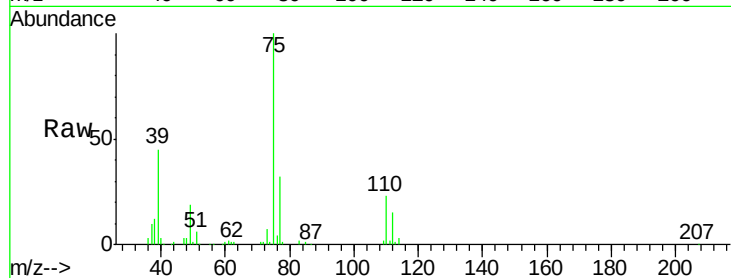
#53
t-1,3-Dichloropropene
Concen: 46.512 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion: 75 Resp: 151579
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

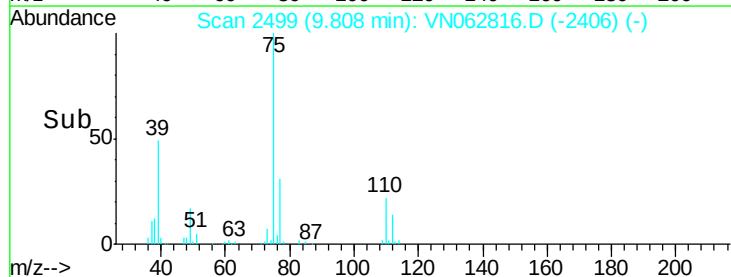
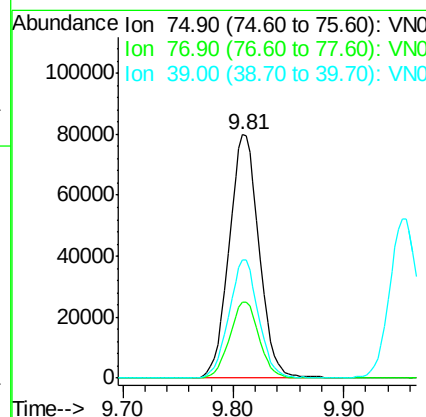
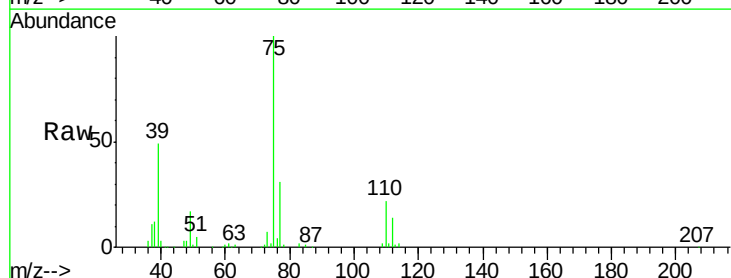
Manual Integrations
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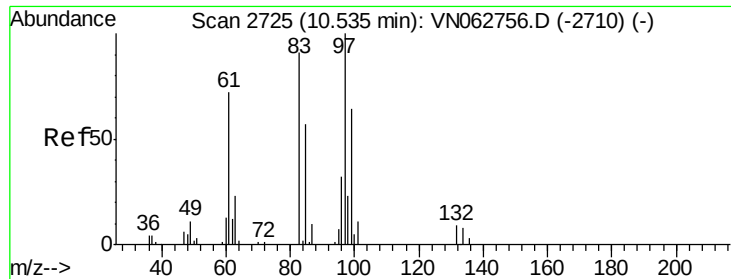
sam
8/11/2020 3:25:05 PM



#54
cis-1,3-Dichloropropene
Concen: 45.907 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion: 75 Resp: 150208
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3
39 48.6 41.9 62.9





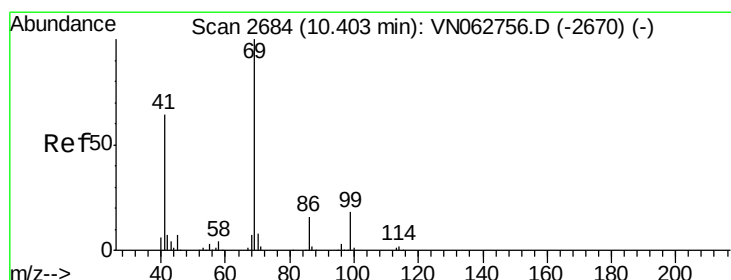
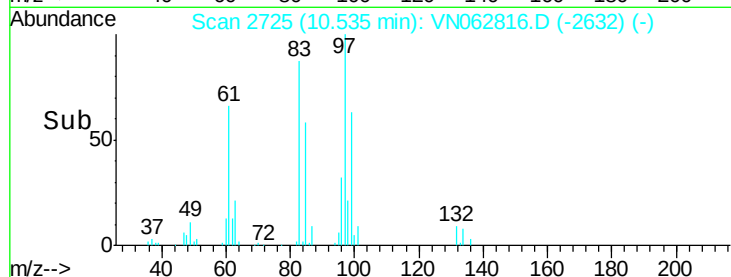
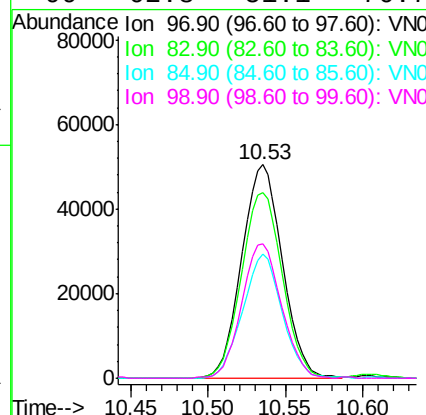
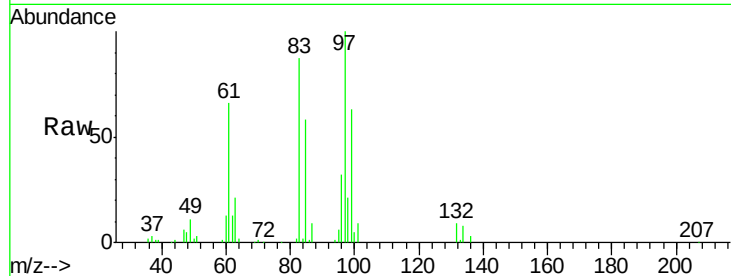
#55
 1,1,2-Trichloroethane
 Concen: 46.992 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion:	97	Resp:	92179
Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.6	108.8
85	57.9	46.0	69.0
99	62.8	51.1	76.7

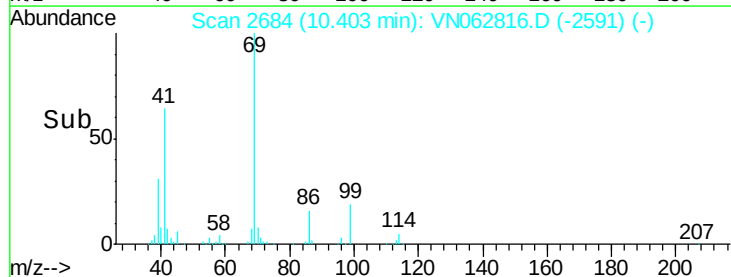
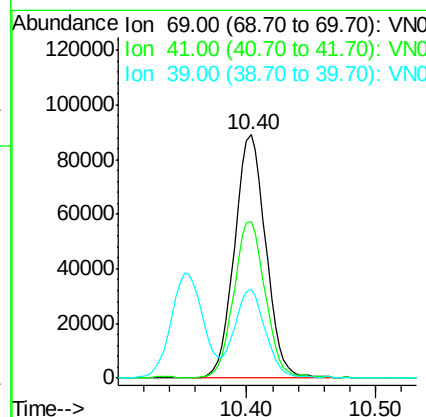
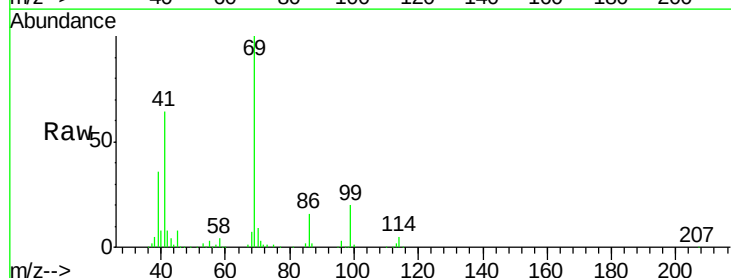
Manual Integrations
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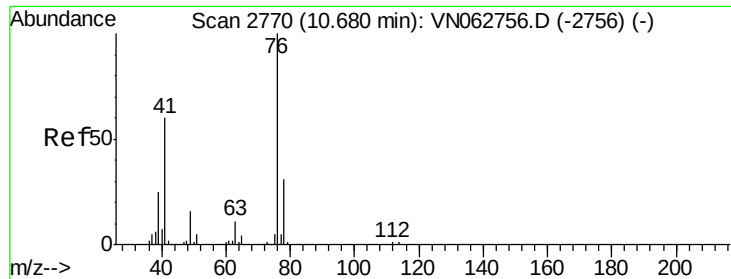
sam
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#56
 Ethyl methacrylate
 Concen: 50.904 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion:	69	Resp:	150296
Ion	Ratio	Lower	Upper
69	100		
41	63.9	52.2	78.2
39	34.9	30.9	46.3





#57

1,3-Dichloropropane

Concen: 46.940 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion: 76 Resp: 156448

Ion Ratio Lower Upper

76 100

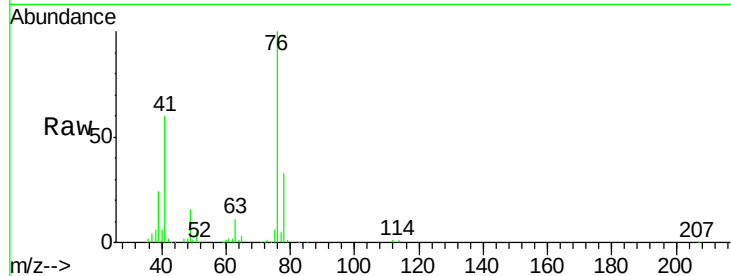
78 32.6 25.4 38.0

Manual Integrations

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sam

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

80000

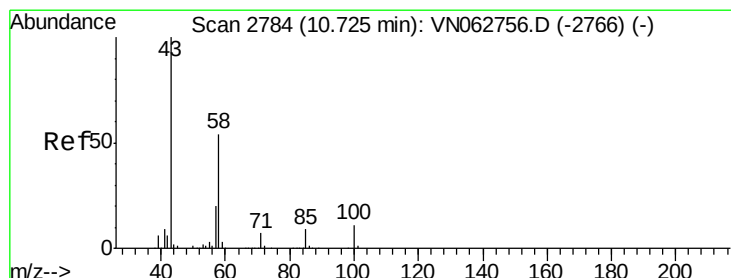
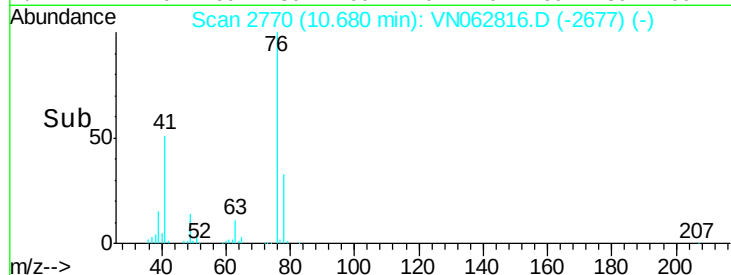
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 242.381 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VN062816.D

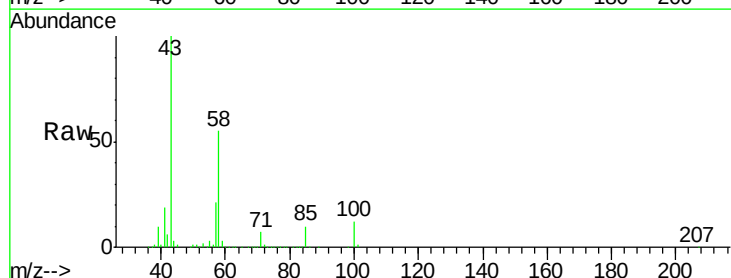
Acq: 10 Aug 2020 18:12

Tgt Ion: 43 Resp: 508102

Ion Ratio Lower Upper

43 100

58 55.6 26.7 80.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.72

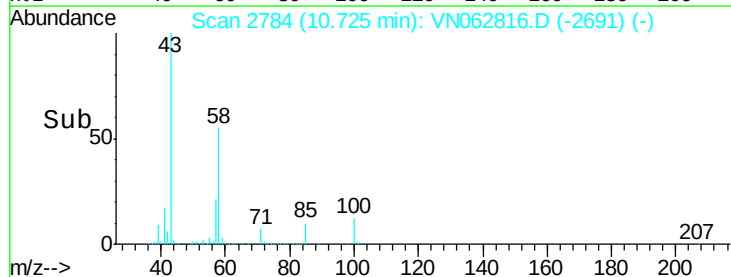
300000

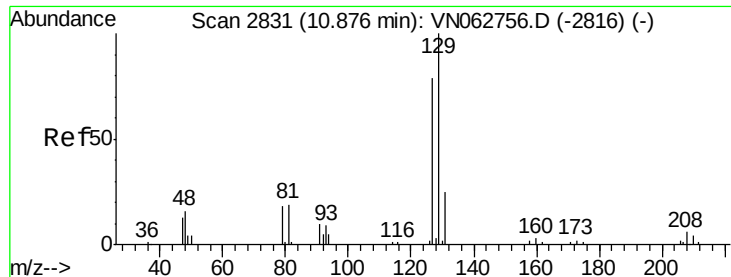
200000

100000

0

Time-->





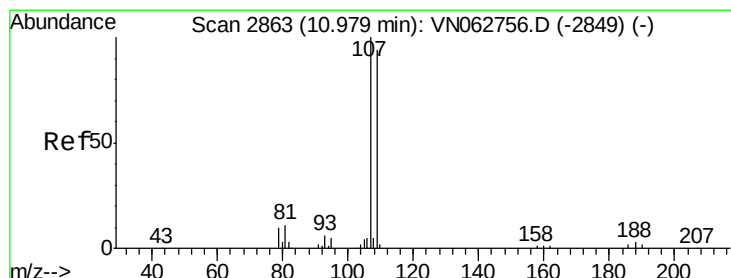
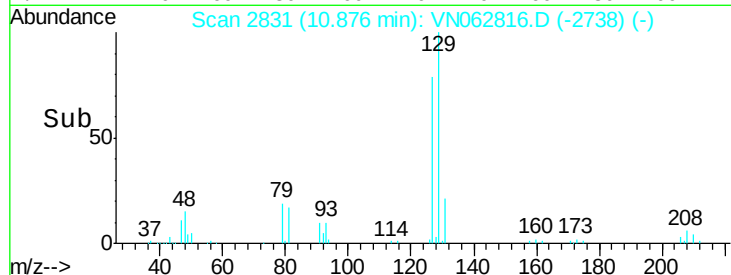
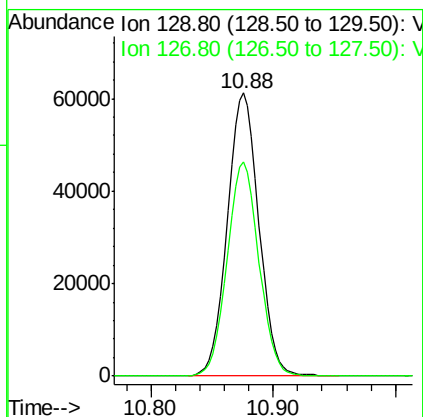
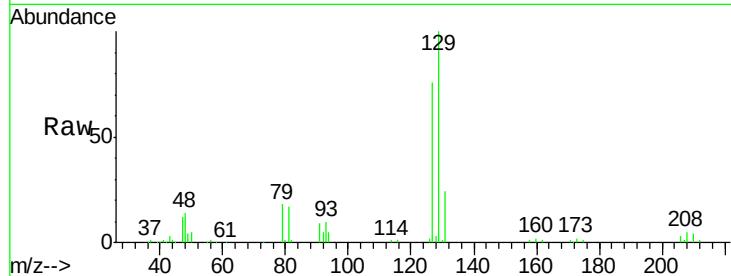
#60
Dibromochloromethane
Concen: 49.236 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
129	100	110215		
127	76.3	39.1	117.2	

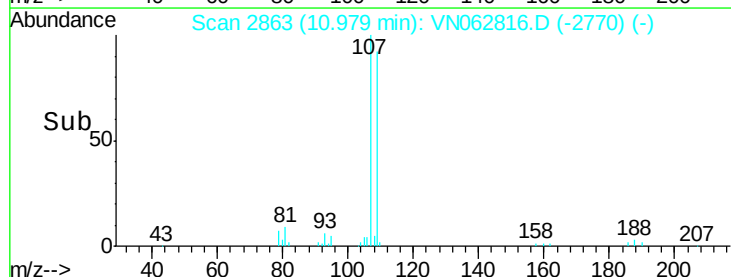
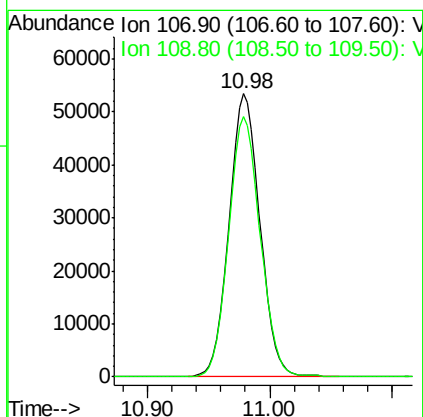
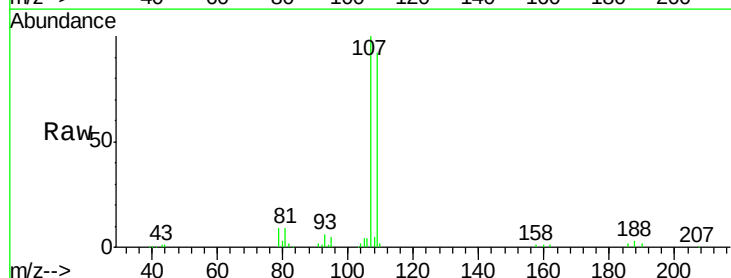
Manual Integrations
APPROVED

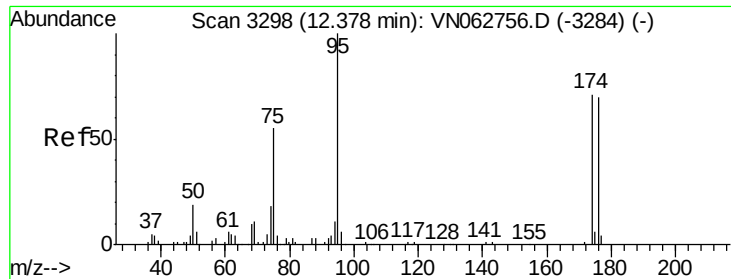
sam
8/11/2020 3:25:05 PM



#61
1,2-Dibromoethane
Concen: 48.655 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	94176		
109	94.2	76.1	114.1	





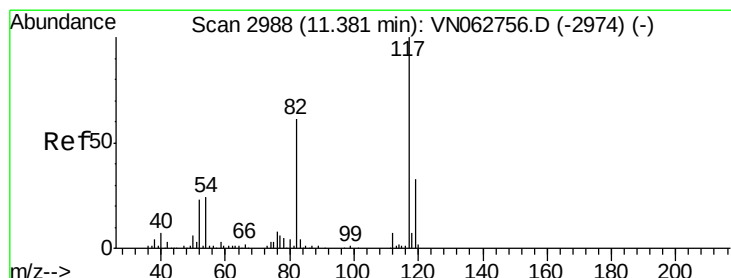
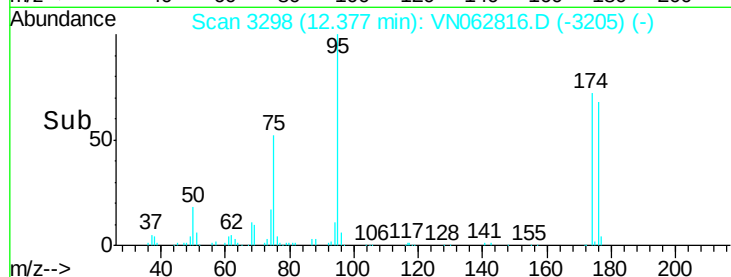
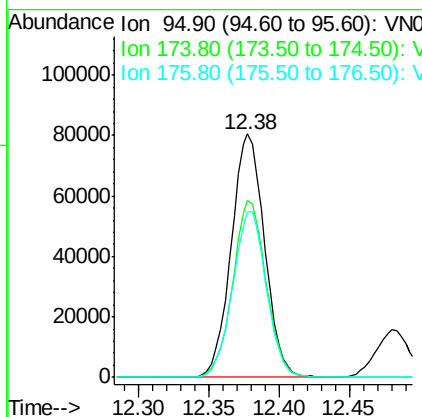
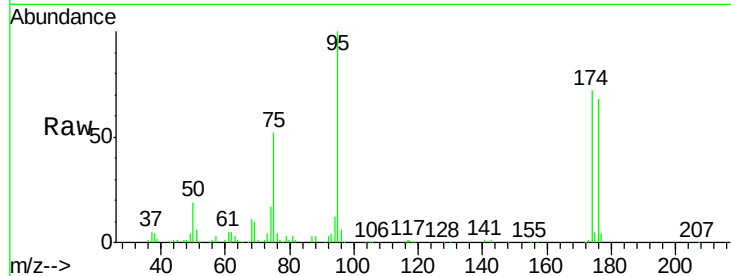
#62
4-Bromofluorobenzene
Concen: 51.466 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100			
174	72.9	0.0	144.8	
176	69.2	0.0	142.2	

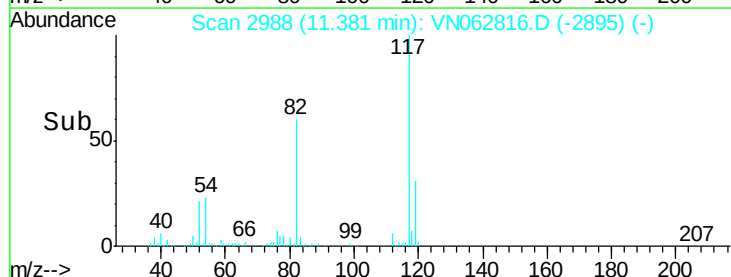
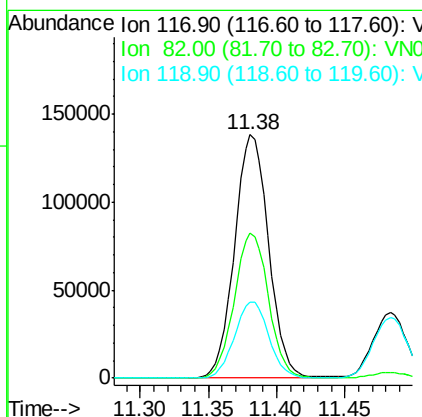
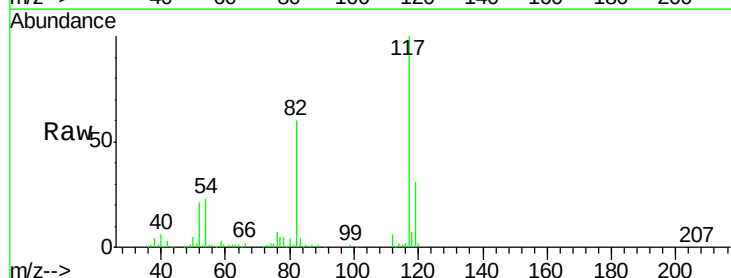
Manual Integrations
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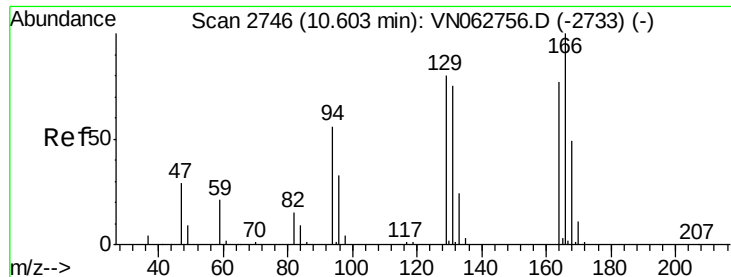
sam
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
82	59.5	49.0	73.4	
119	31.4	26.2	39.2	





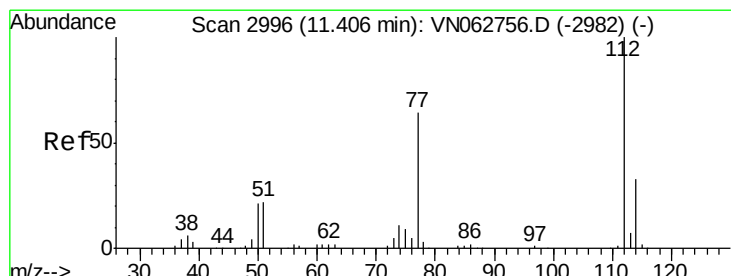
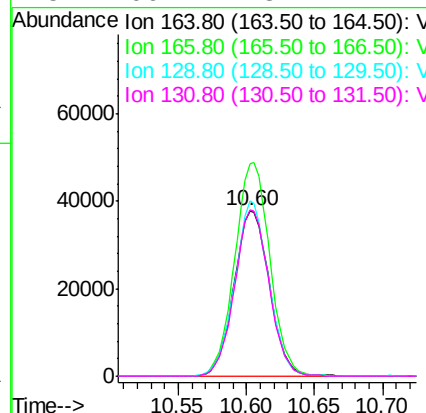
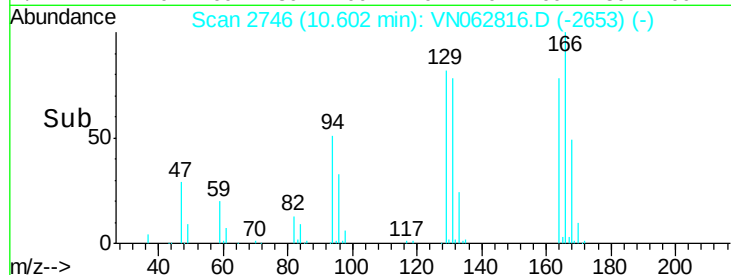
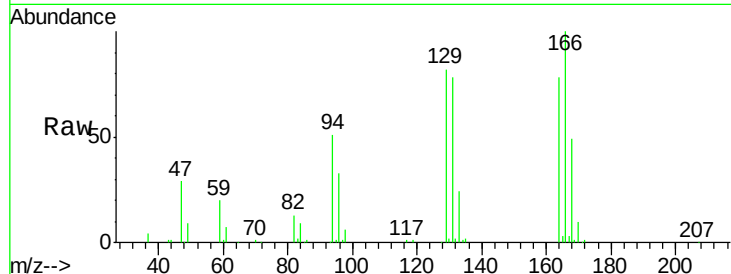
#64
Tetrachloroethene
 Concen: 43.928 ug/l
 RT: 10.60 min Scan# 2746
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument : MSVOA_N
 ClientSampleId : BP-VPB179-GW-498-500MSD

Tot Ion:	164	Resp:	68091
Ion Ratio	Lower	Upper	
164	100		
166	128.8	103.8	155.8
129	106.3	82.7	124.1
131	100.7	78.2	117.2

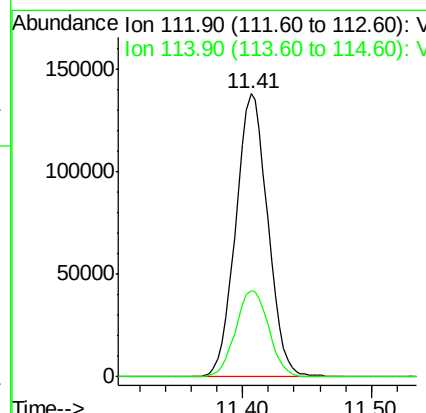
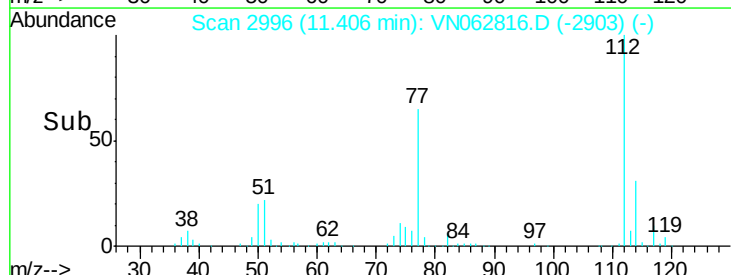
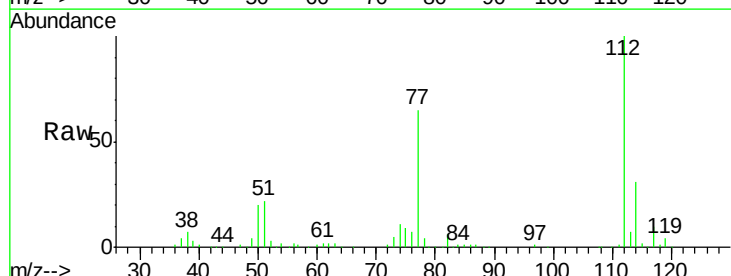
Manual Integrations
 APPROVED

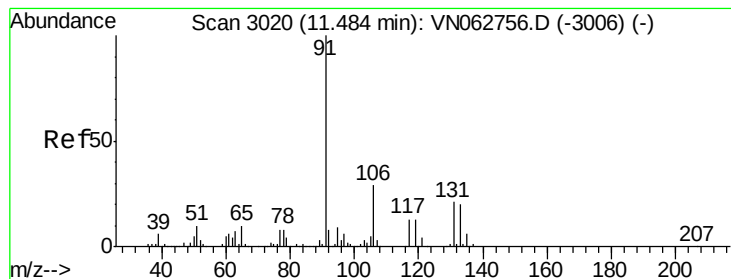
sam
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#65
Chlorobenzene
 Concen: 47.378 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion:	112	Resp:	237928
Ion Ratio	Lower	Upper	
112	100		
114	30.6	26.2	39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 48.673 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

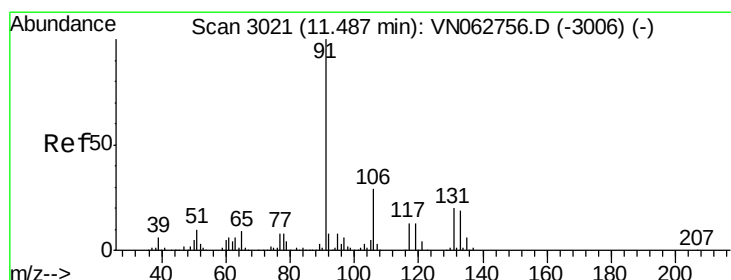
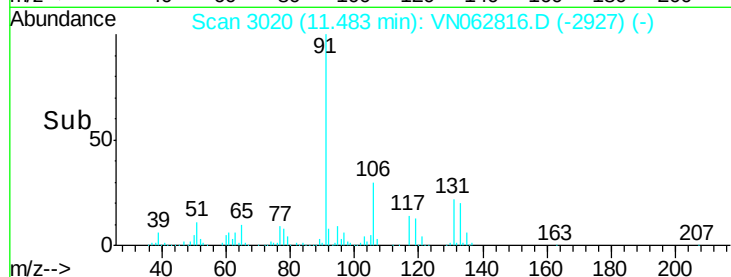
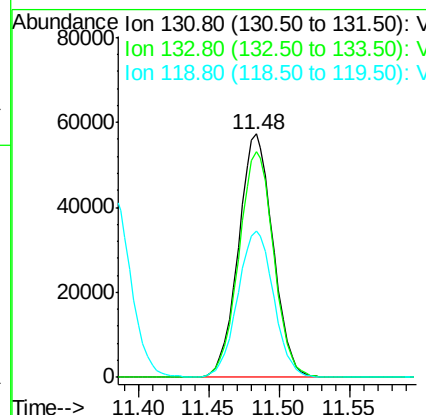
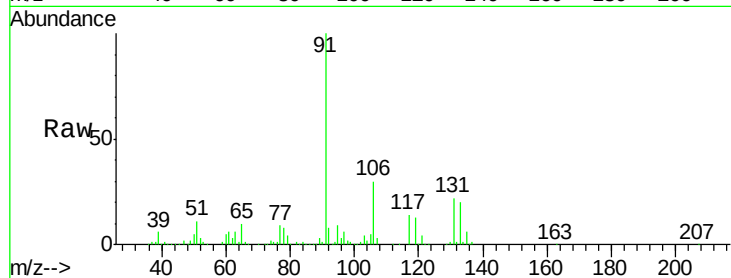
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	131	Resp:	98158
Ion Ratio	Lower	Upper	
131	100		
133	93.5	48.6	145.8
119	62.7	32.2	96.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.247 ug/l

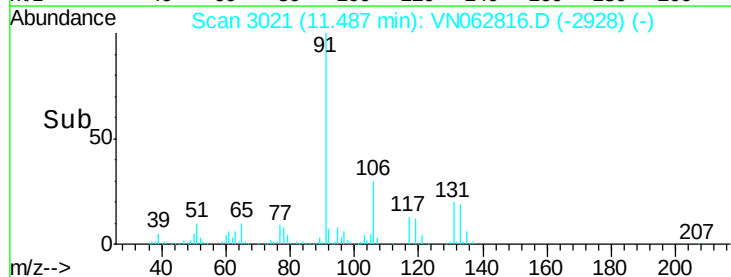
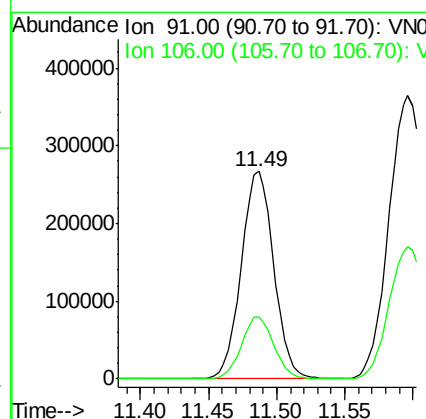
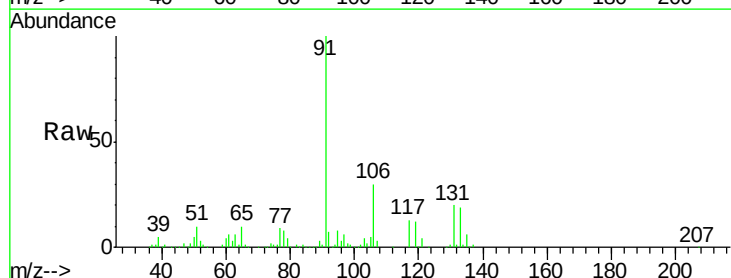
RT: 11.49 min Scan# 3021

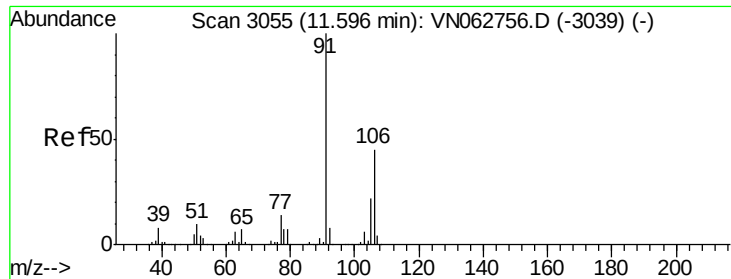
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	91	Resp:	442564
Ion Ratio	Lower	Upper	
91	100		
106	29.8	23.2	34.8





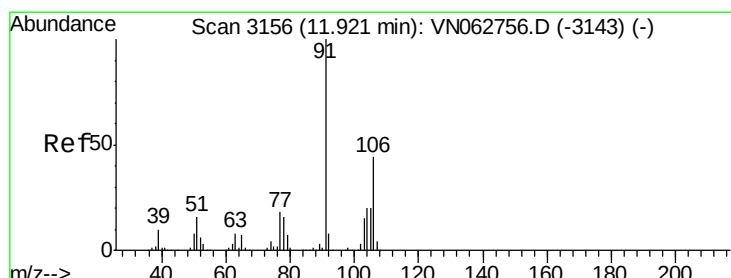
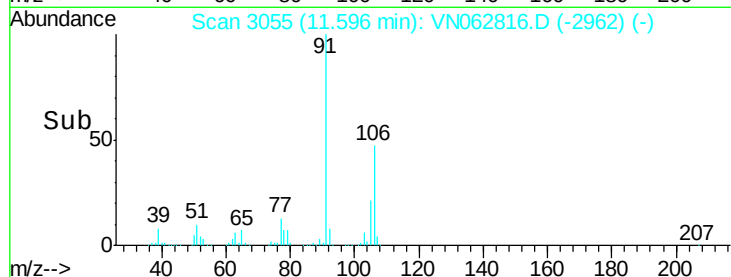
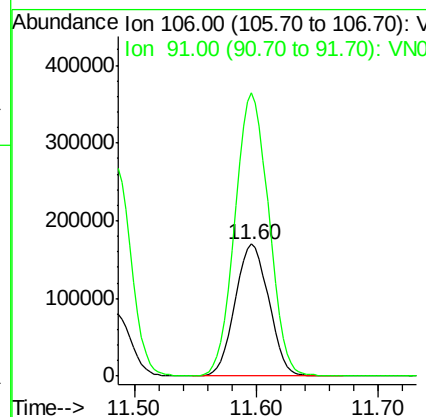
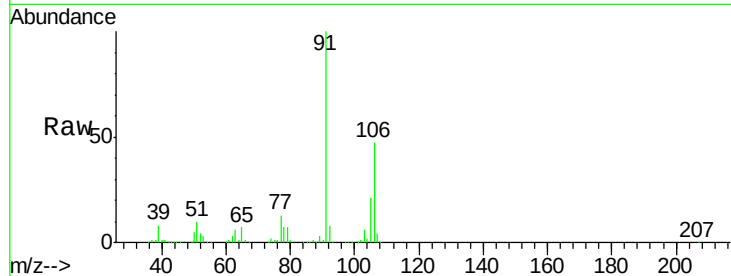
#68
m/p-Xylenes
Concen: 100.212 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-498-500MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	214.5	175.9	263.9		

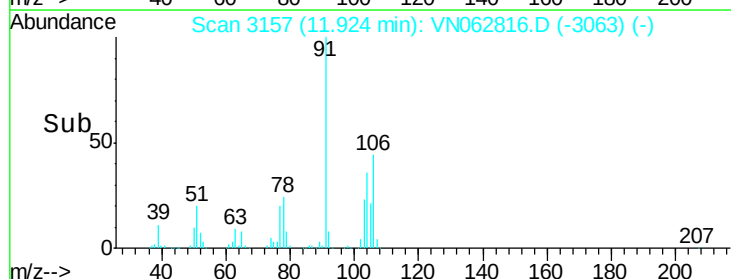
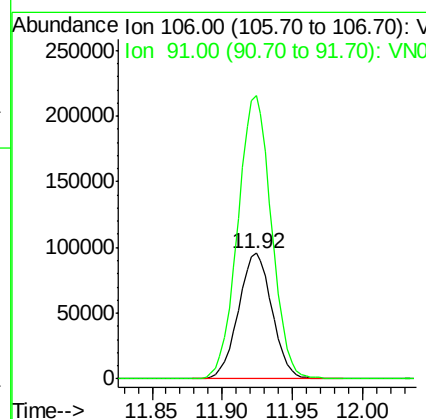
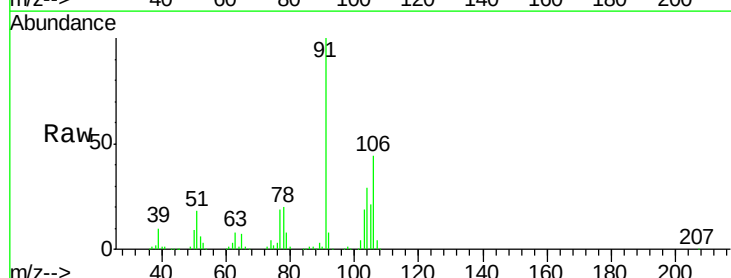
Manual Integrations
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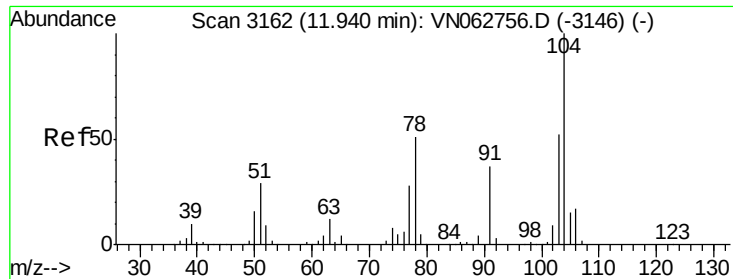
sam
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#69
o-Xylene
Concen: 52.260 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062816.D
Acq: 10 Aug 2020 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	225.4	115.8	347.4		





#70

Stvrene

Concen: 51.722 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

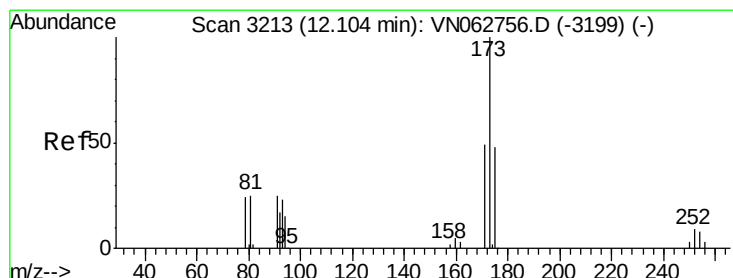
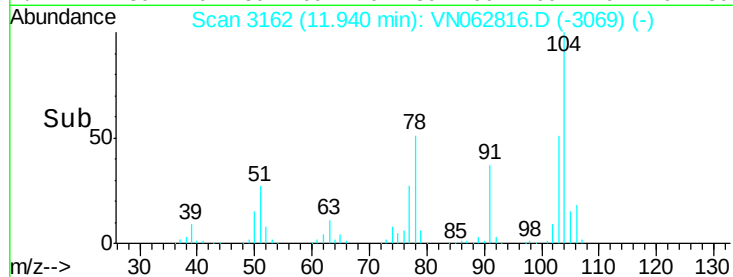
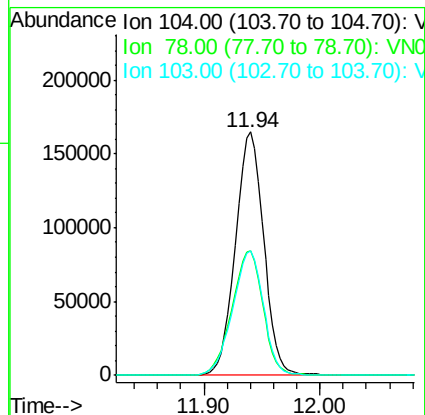
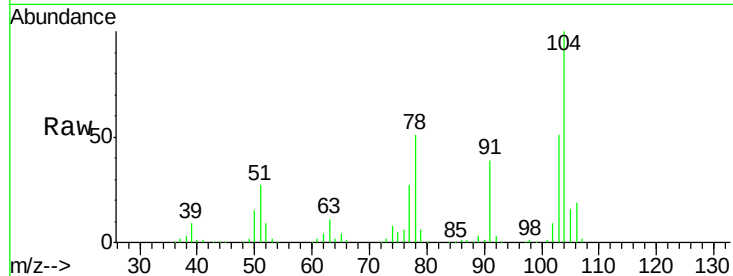
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	104	Resp:	277933
Ion Ratio		Lower	Upper
104	100		
78	56.2	45.9	68.9
103	55.7	45.1	67.7

Manual Integrations
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#71

Bromoform

Concen: 48.100 ug/l

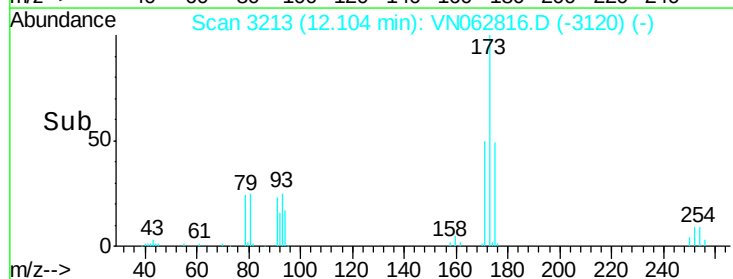
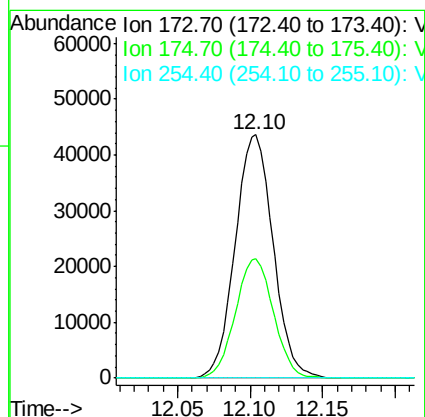
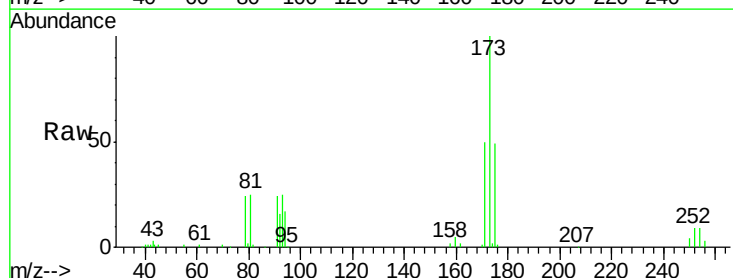
RT: 12.10 min Scan# 3213

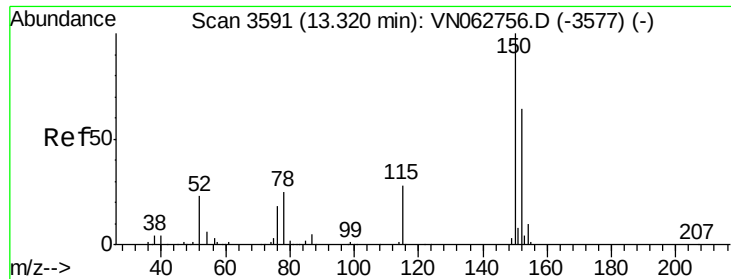
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	173	Resp:	79367
Ion Ratio		Lower	Upper
173	100		
175	49.0	24.0	72.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

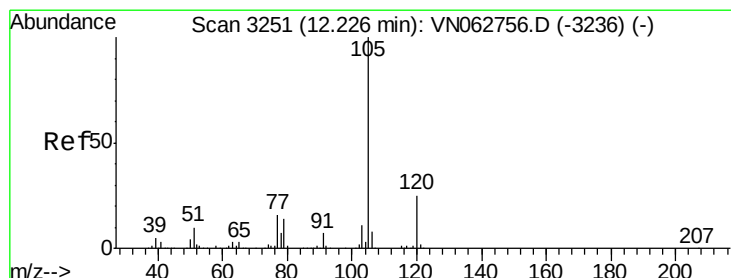
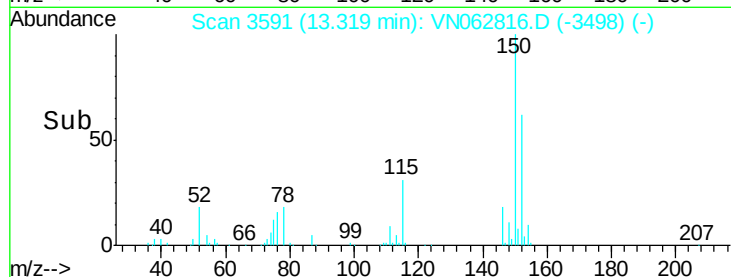
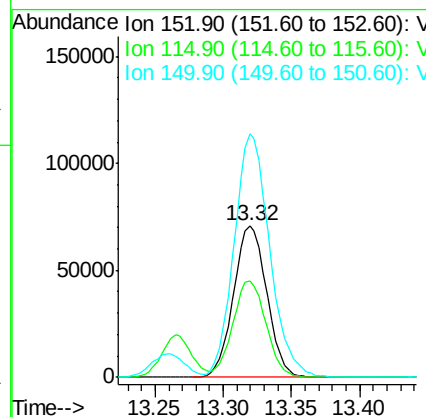
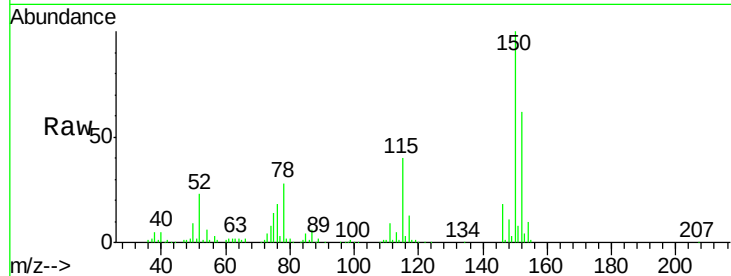
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	152	Resp:	119896
Ion Ratio	Lower	Upper	
152	100		
115	63.8	31.6	94.8
150	172.6	0.0	349.2

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#73

Isopropylbenzene

Concen: 48.986 ug/l

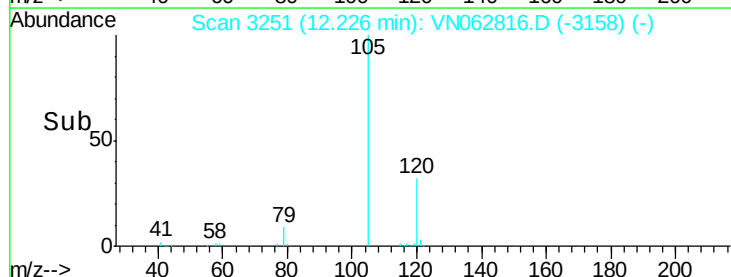
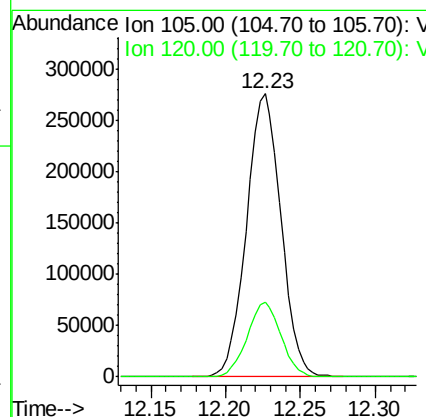
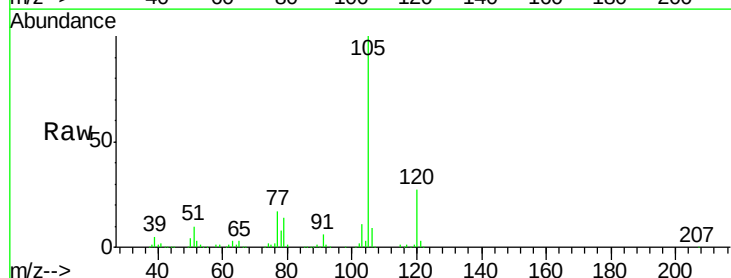
RT: 12.23 min Scan# 3251

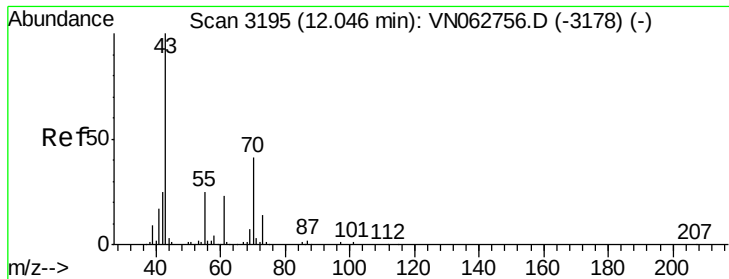
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	105	Resp:	442252
Ion Ratio	Lower	Upper	
105	100		
120	25.9	12.6	37.8





#74

N-amyl acetate

Concen: 46.614 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

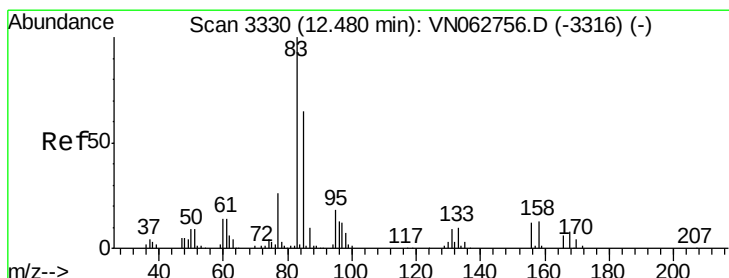
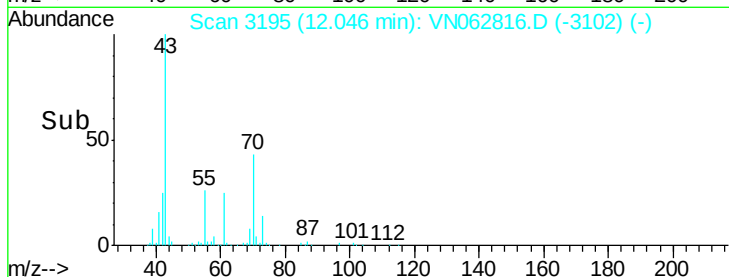
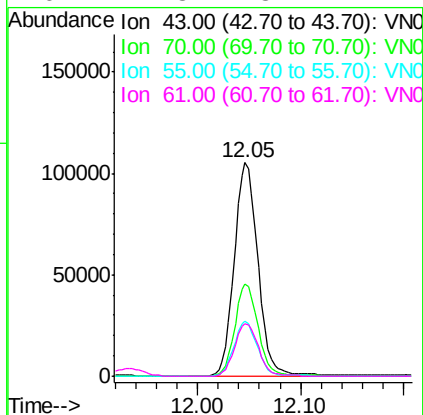
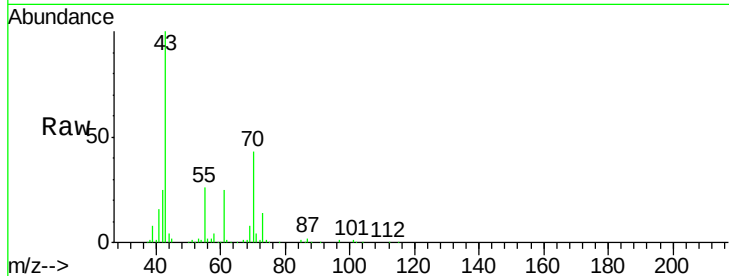
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		170542		
70	42.3	32.3	48.5		
55	24.8	20.2	30.2		
61	24.8	18.2	27.4		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 45.614 ug/l

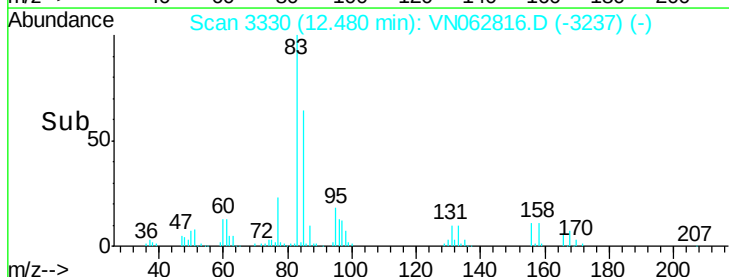
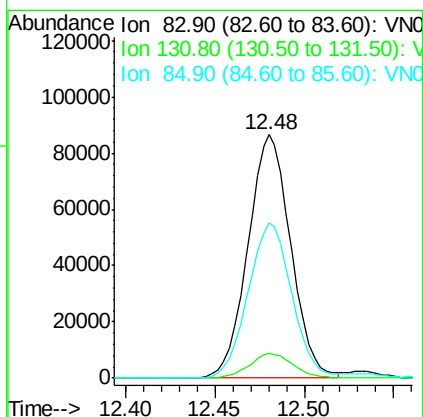
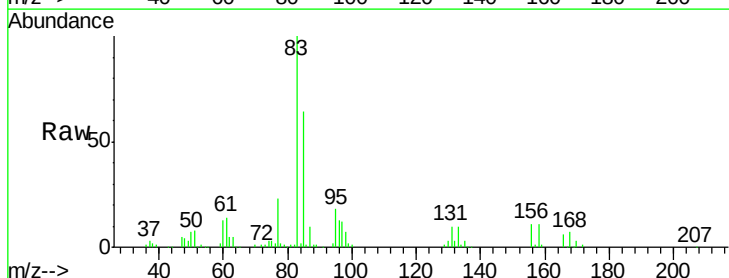
RT: 12.48 min Scan# 3330

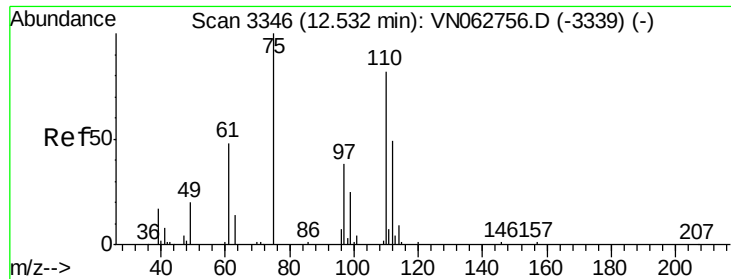
Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		144969		
131	10.4	5.1	15.4		
85	65.1	31.9	95.9		





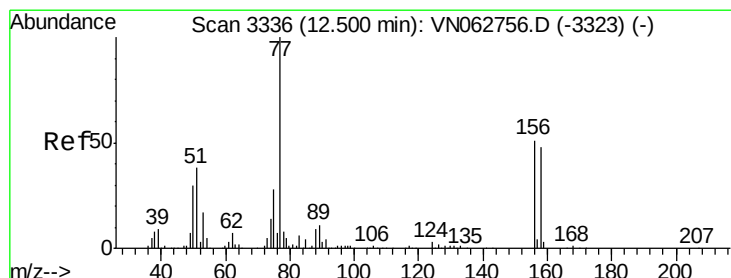
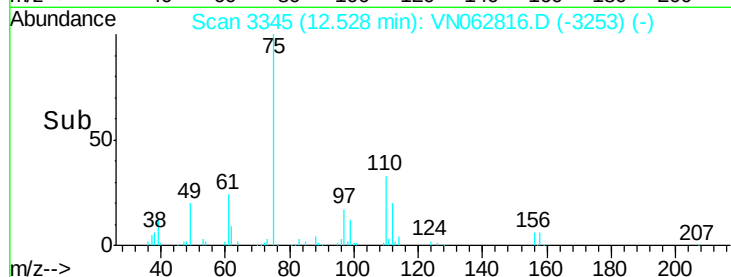
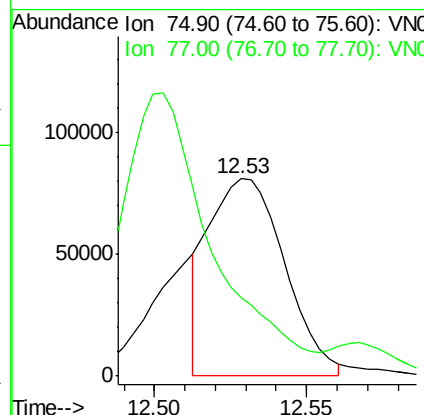
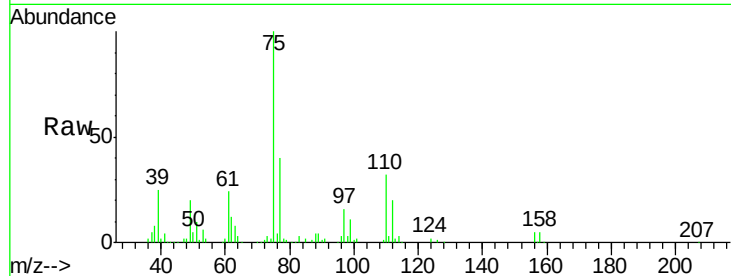
#76
 1,2,3-Trichloropropane
 Concen: 43.456 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

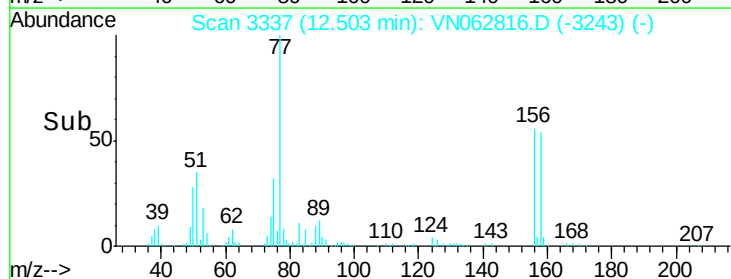
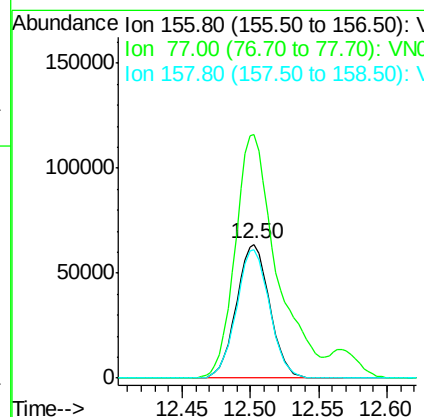
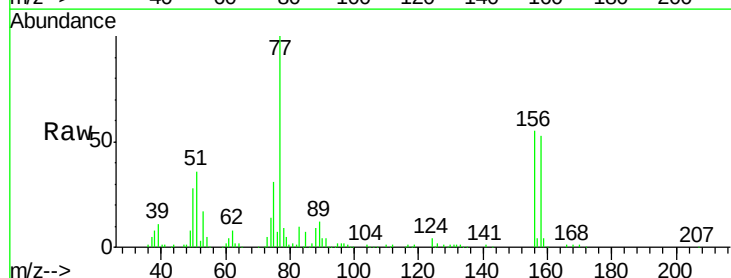
Manual Integrations
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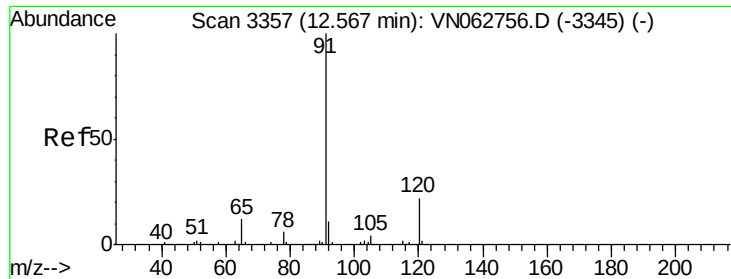
sam
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#77
 Bromobenzene
 Concen: 48.025 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
156	100		
77	227.5	119.7	359.1
158	95.8	48.1	144.3





#78

n-propylbenzene

Concen: 47.752 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion: 91 Resp: 506062

Ion Ratio Lower Upper

91 100

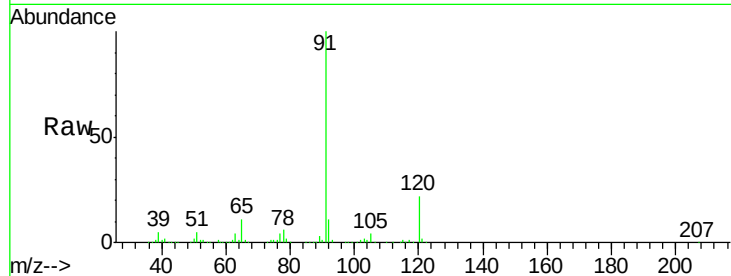
120 22.4 10.9 32.9

Manual Integrations

APPROVED

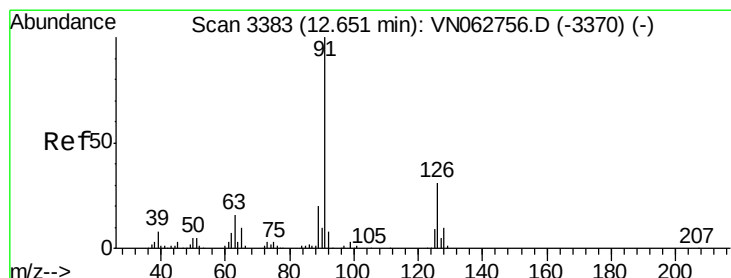
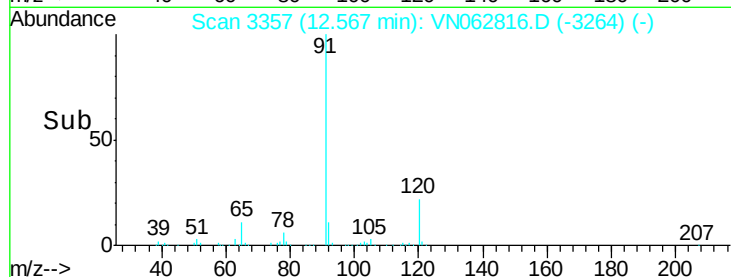
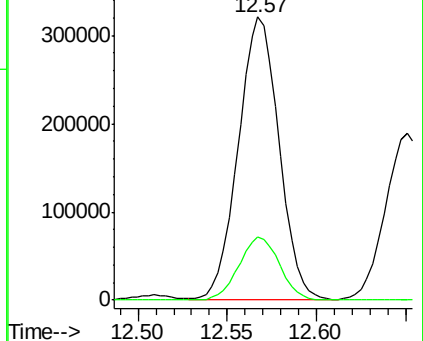
sam

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 47.158 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062816.D

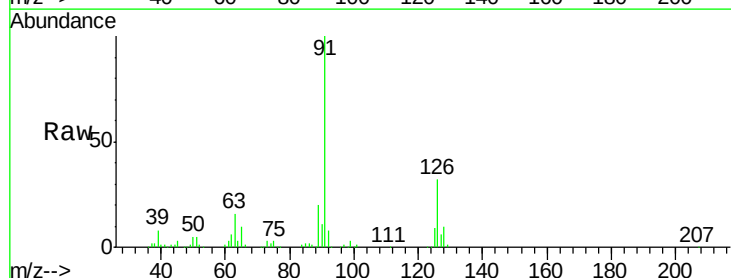
Acq: 10 Aug 2020 18:12

Tgt Ion: 91 Resp: 313402

Ion Ratio Lower Upper

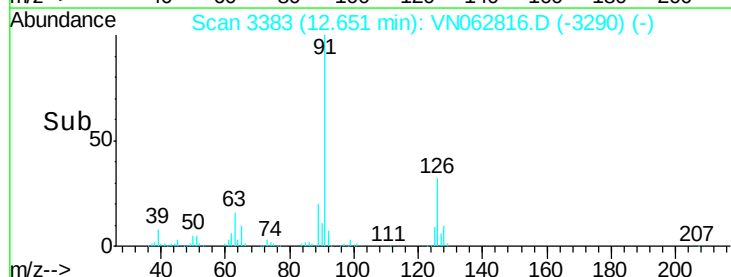
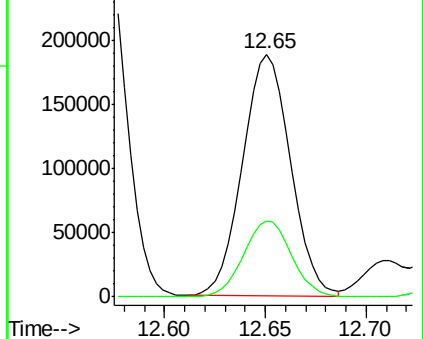
91 100

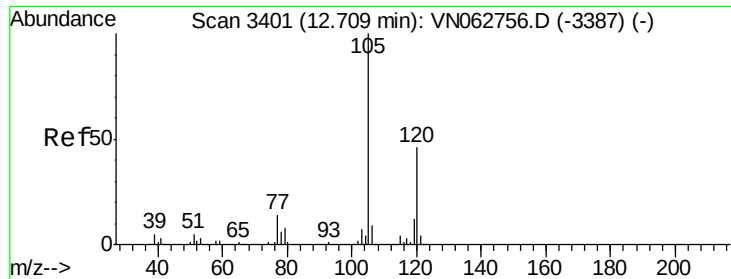
126 31.7 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





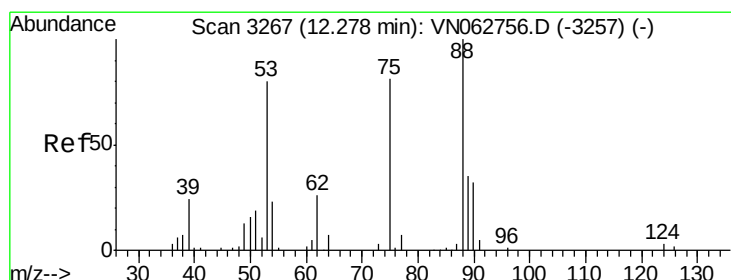
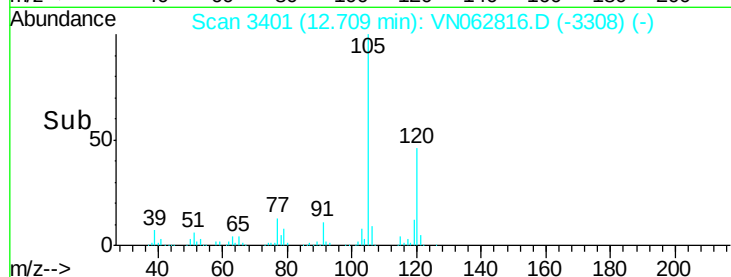
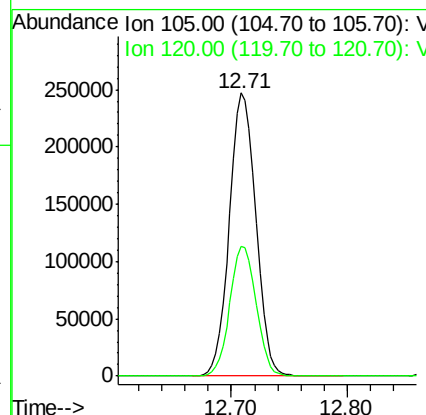
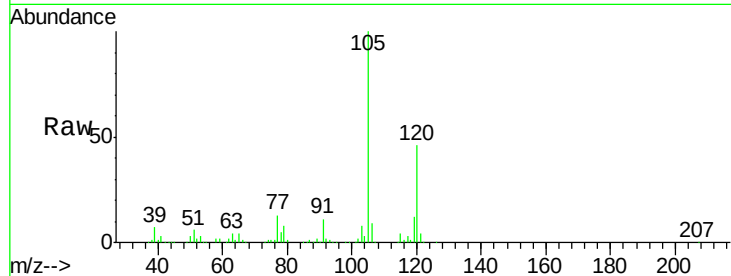
#80
 1,3,5-Trimethylbenzene
 Concen: 49.701 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.5

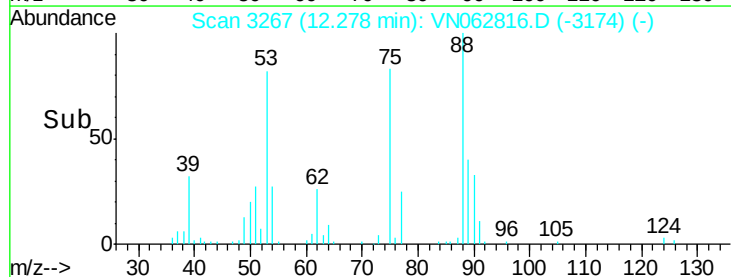
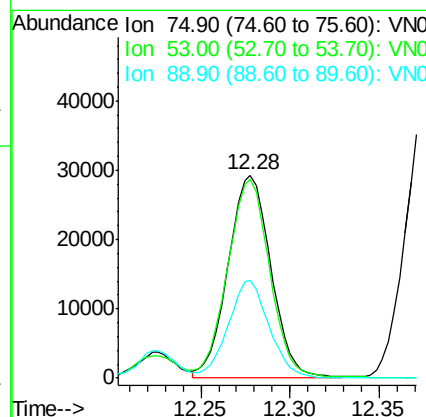
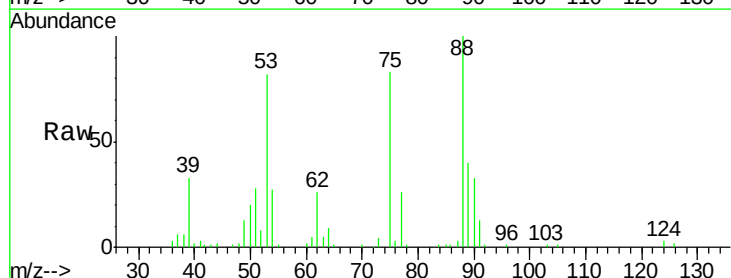
Manual Integrations
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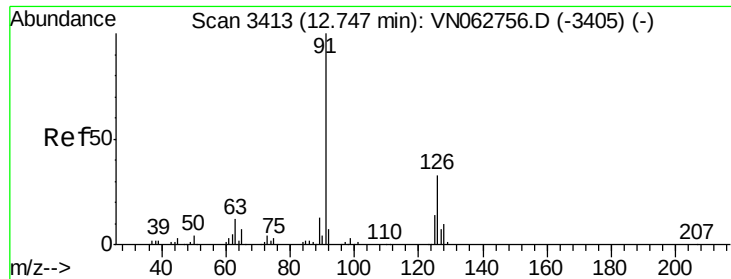
sam
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.119 ug/l
 RT: 12.28 min Scan# 3267
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.2	79.1	118.7
89	45.9	36.2	54.2





#82

4-Chlorotoluene

Concen: 48.630 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion: 91 Resp: 333043

Ion Ratio Lower Upper

91 100

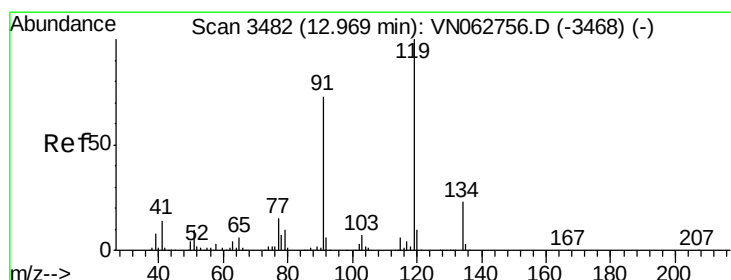
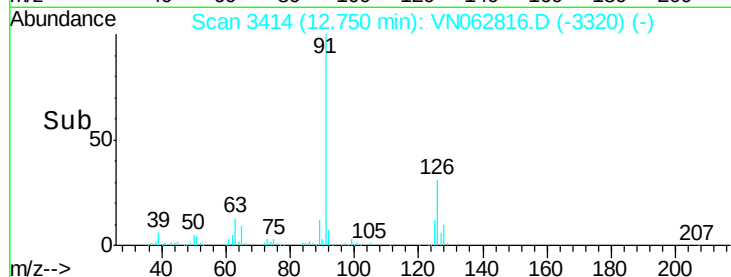
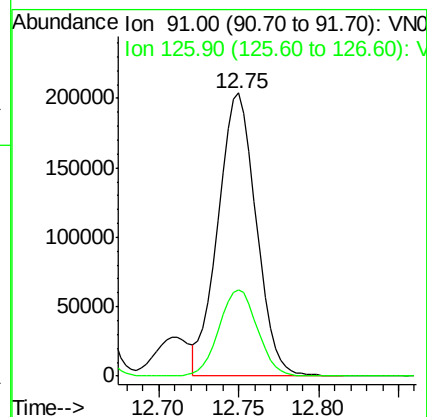
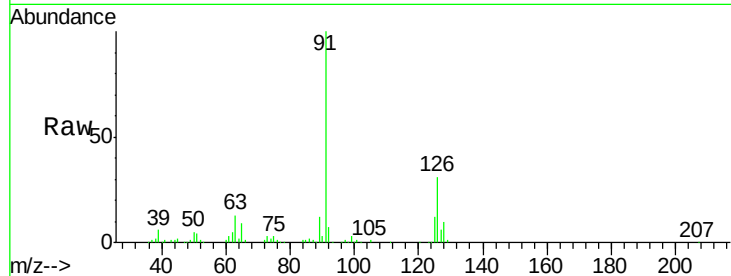
126 30.8 15.3 45.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 48.774 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

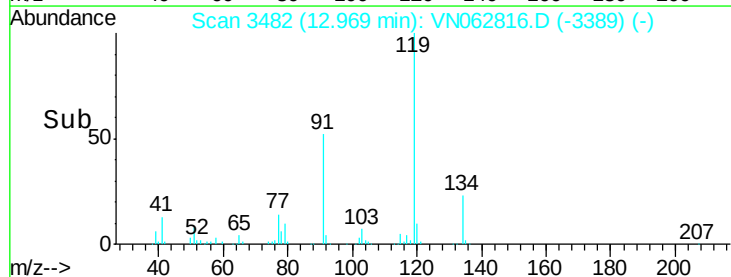
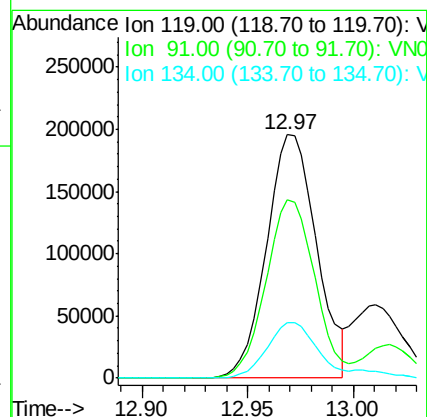
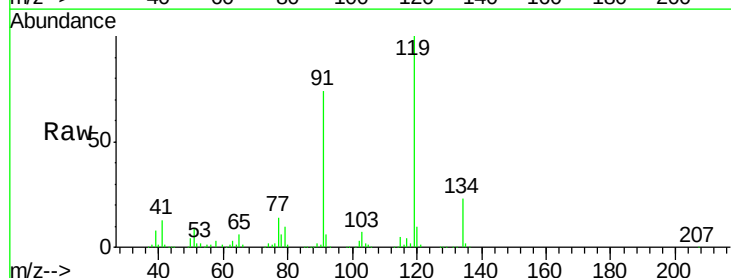
Tgt Ion: 119 Resp: 323251

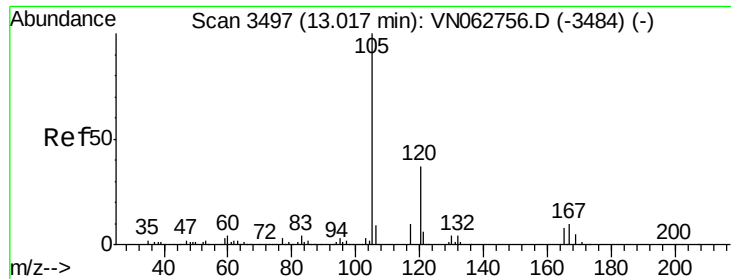
Ion Ratio Lower Upper

119 100

91 71.7 36.5 109.5

134 22.7 11.3 33.8





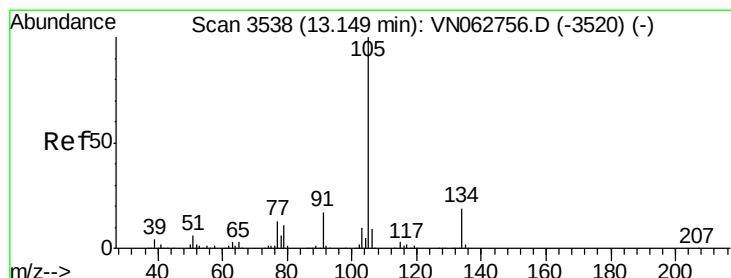
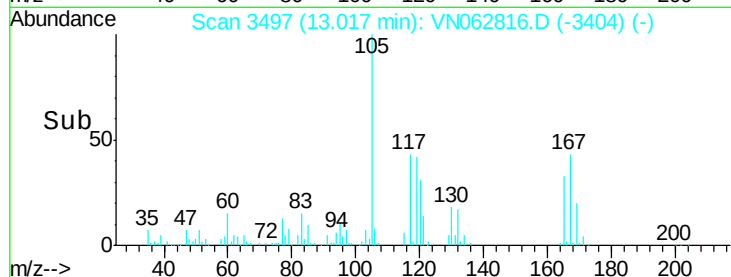
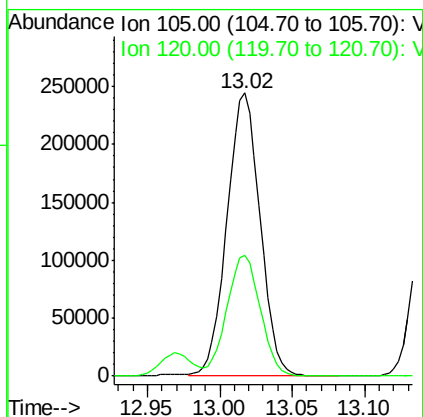
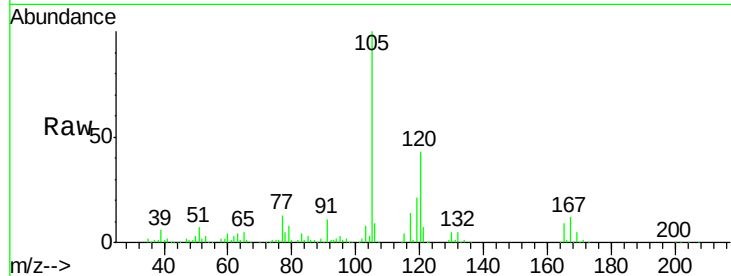
#84
 1,2,4-Trimethylbenzene
 Concen: 51.444 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.4	64.2

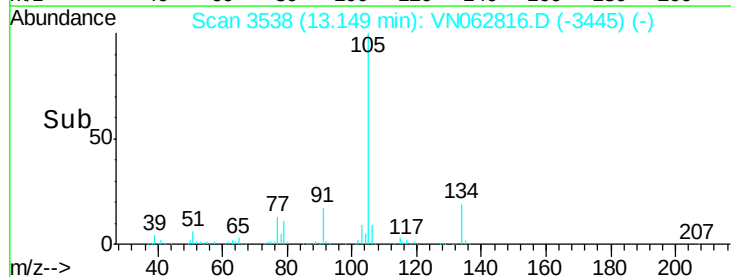
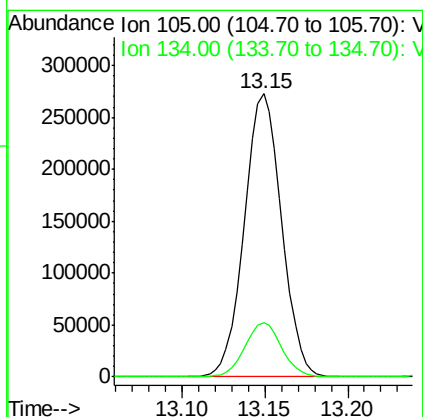
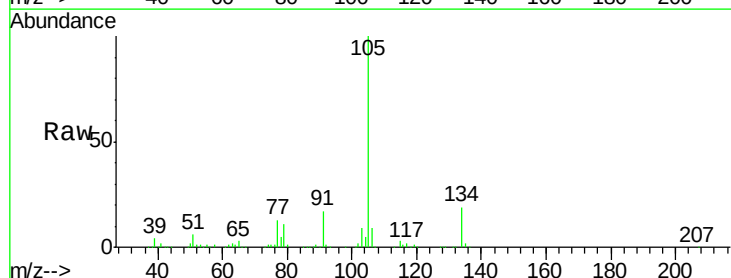
Manual Integrations
 APPROVED

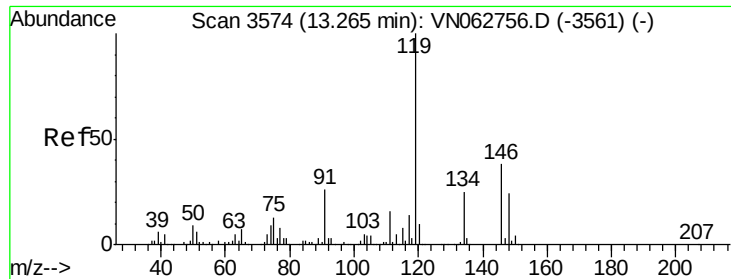
sam
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#85
 sec-Butylbenzene
 Concen: 48.764 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.6	28.6





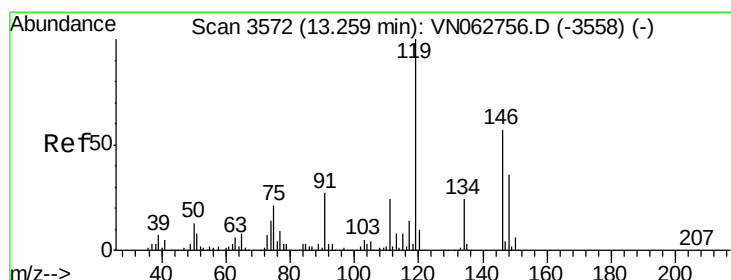
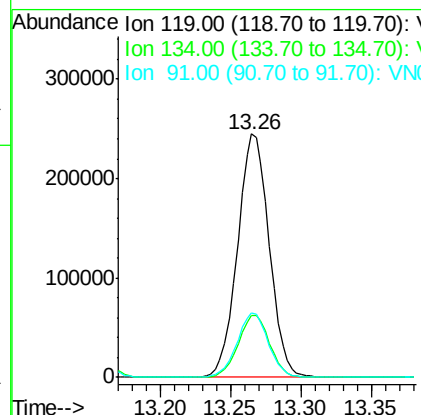
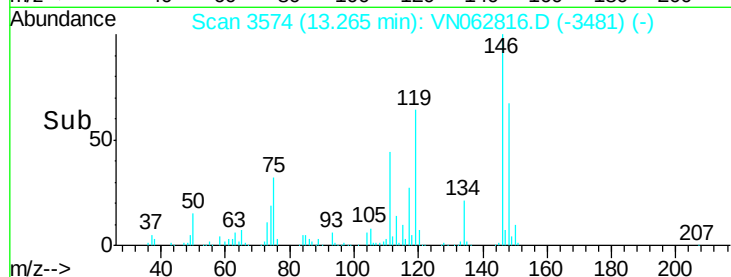
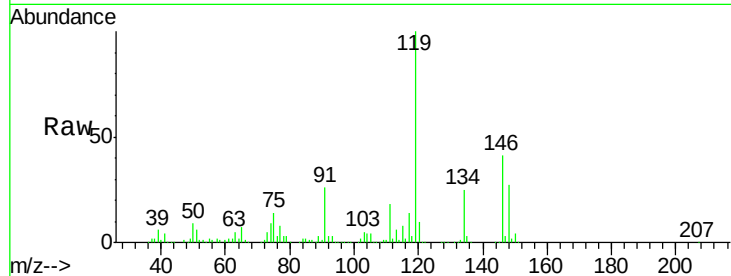
#86
 p-Isopropyltoluene
 Concen: 49.659 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion:	119	Resp:	383630
Ion Ratio	Lower	Upper	
119	100		
134	25.3	12.6	37.8
91	25.9	13.4	40.2

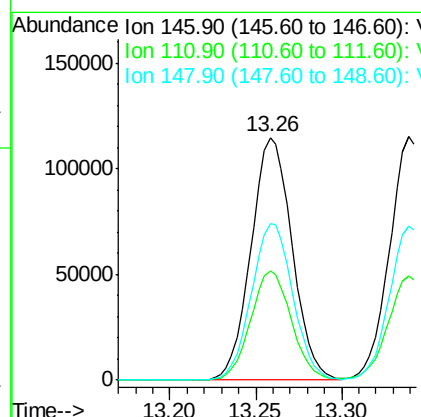
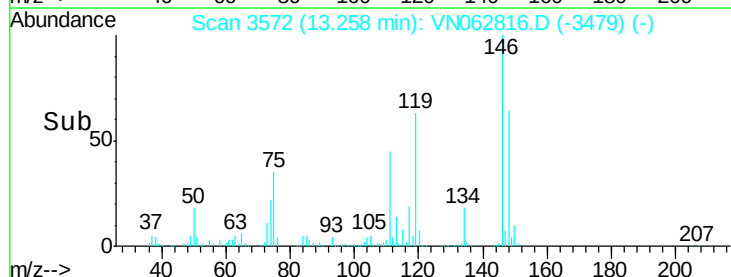
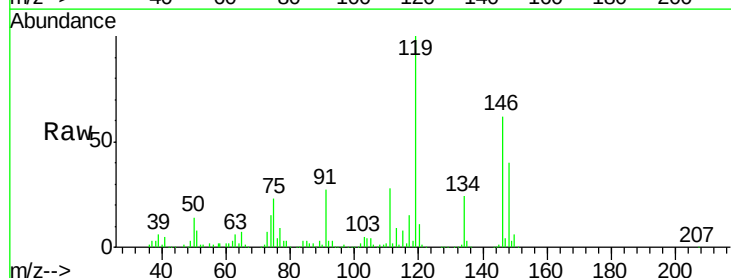
Manual Integrations
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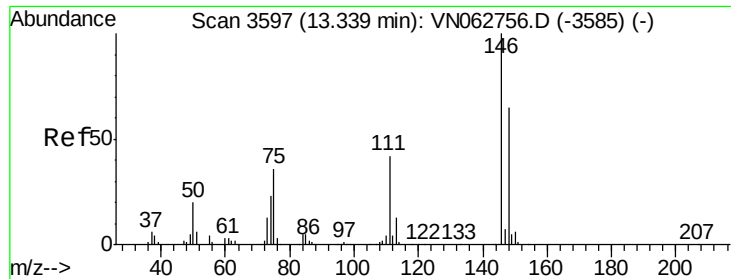
sam
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#87
 1,3-Dichlorobenzene
 Concen: 47.479 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion:	146	Resp:	190269
Ion Ratio	Lower	Upper	
146	100		
111	44.6	21.7	65.1
148	64.8	31.4	94.2





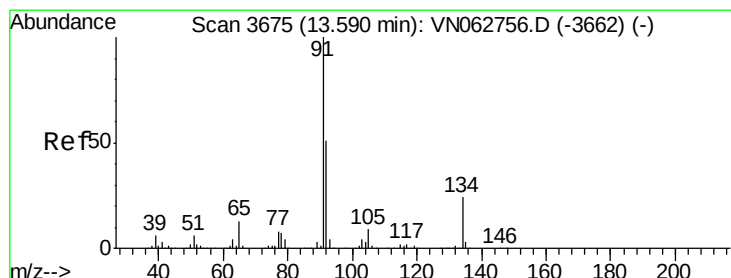
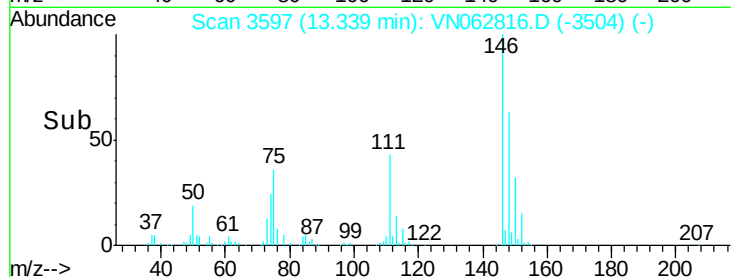
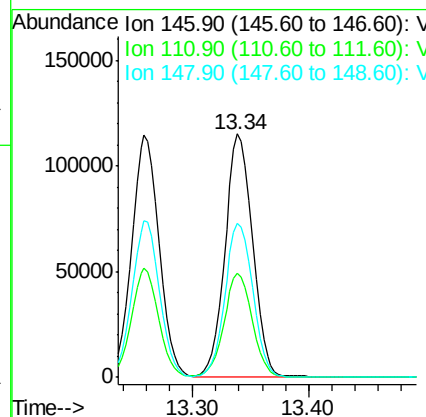
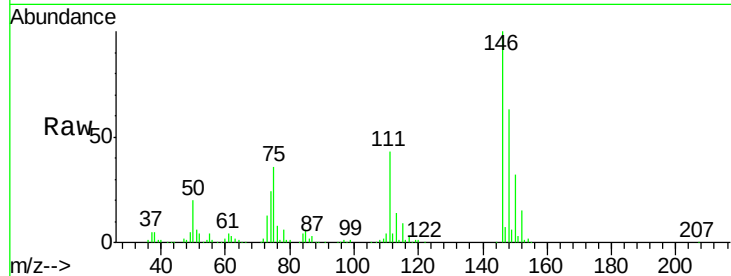
#88
 1,4-Dichlorobenzene
 Concen: 47.415 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.6	32.6	97.8

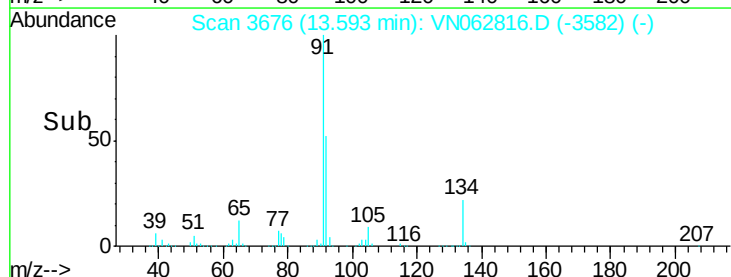
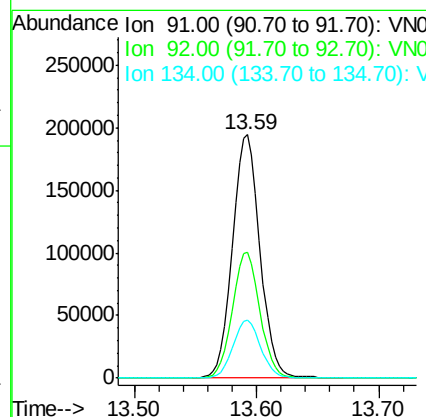
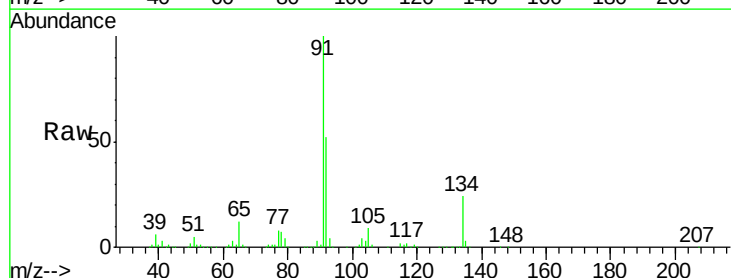
Manual Integrations
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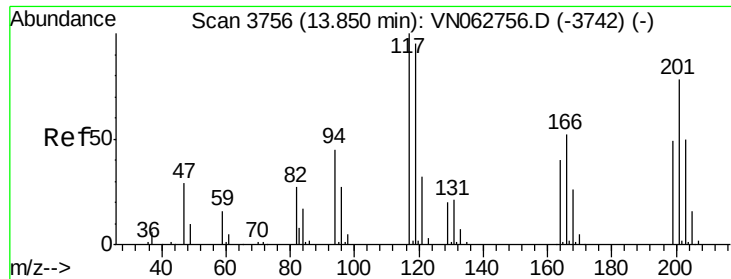
sam
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#89
 n-Butylbenzene
 Concen: 46.999 ug/l
 RT: 13.59 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.7	77.0
134	24.2	12.2	36.6





#90

Hexachloroethane

Concen: 44.828 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:117 Resp: 74648

Ion Ratio Lower Upper

117 100

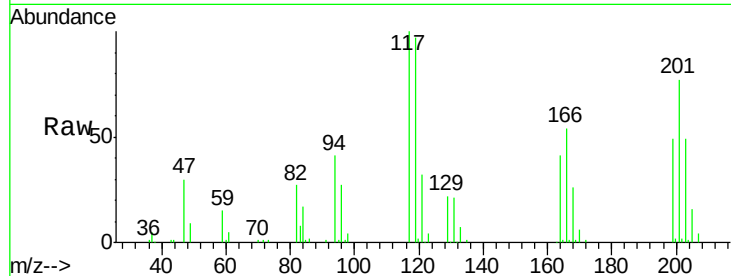
201 77.0 39.2 117.6

Manual Integrations

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.85

40000

30000

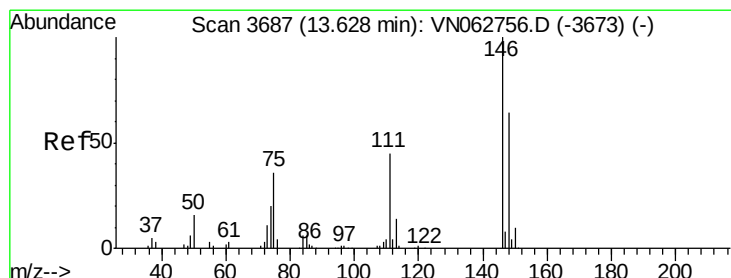
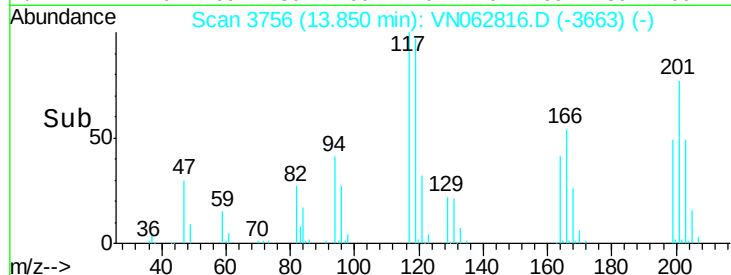
20000

10000

0

Time-->

13.80 13.85 13.90



#91

1,2-Dichlorobenzene

Concen: 49.798 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

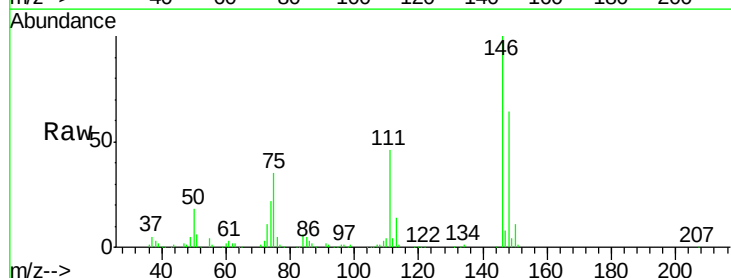
Tgt Ion:146 Resp: 187094

Ion Ratio Lower Upper

146 100

111 46.2 22.8 68.4

148 63.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.63

150000

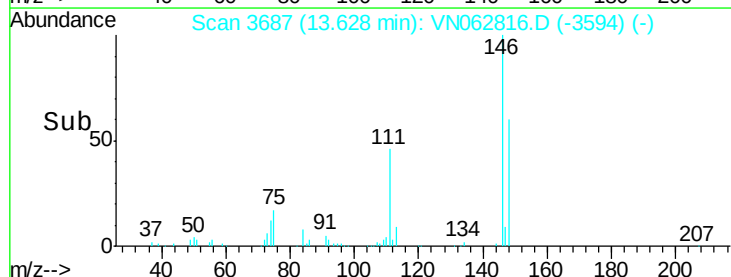
100000

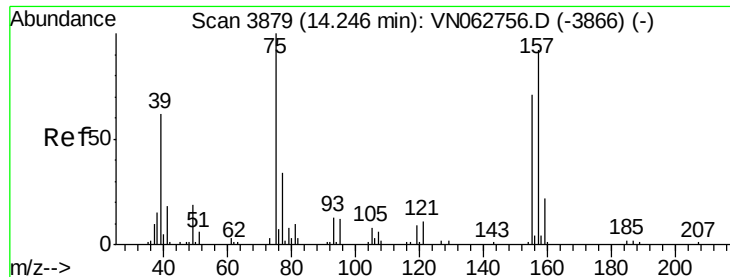
50000

0

Time-->

13.55 13.60 13.65 13.70





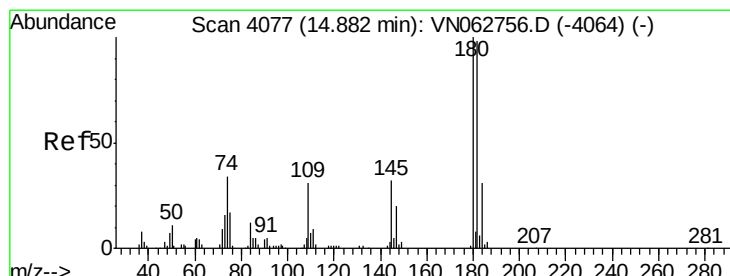
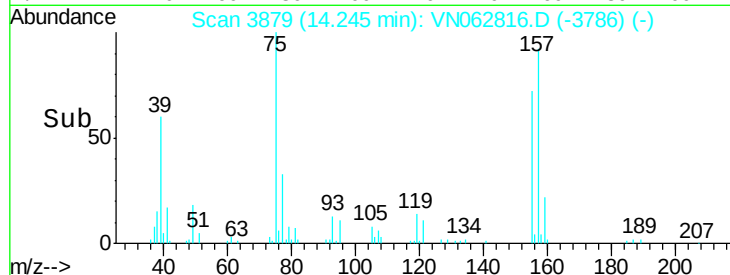
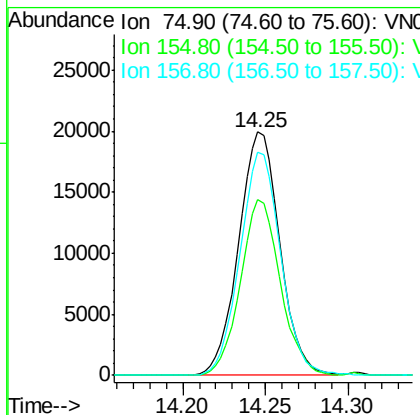
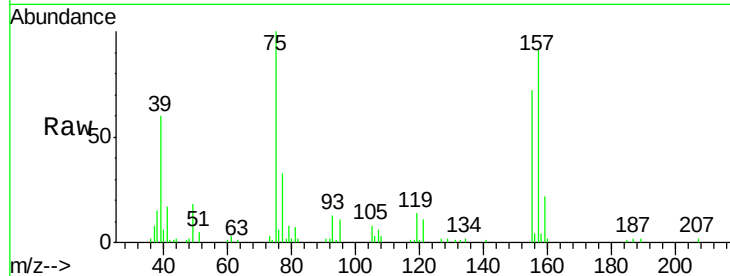
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.531 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	69.7	35.0	105.1
157	90.6	43.2	129.6

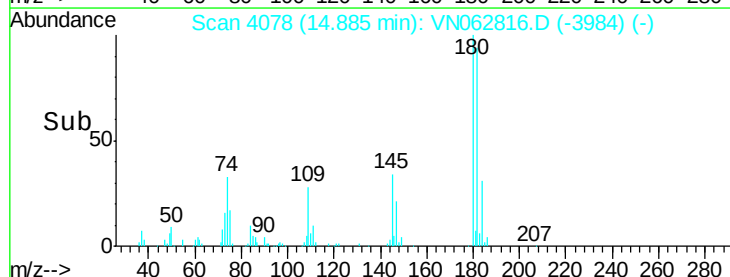
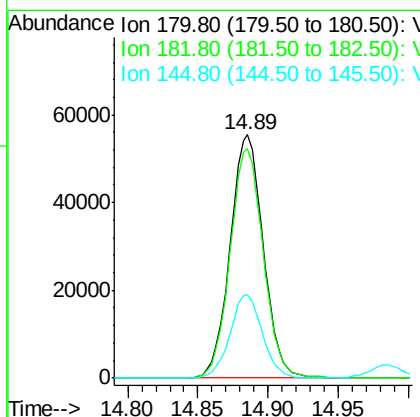
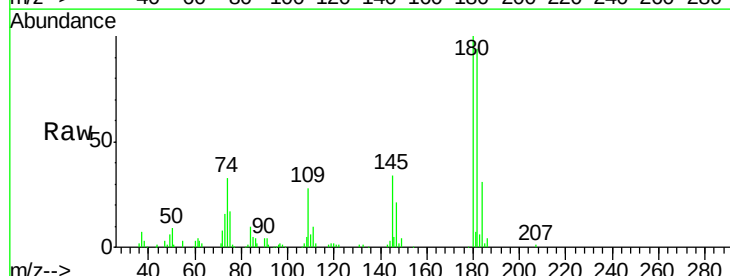
Manual Integrations
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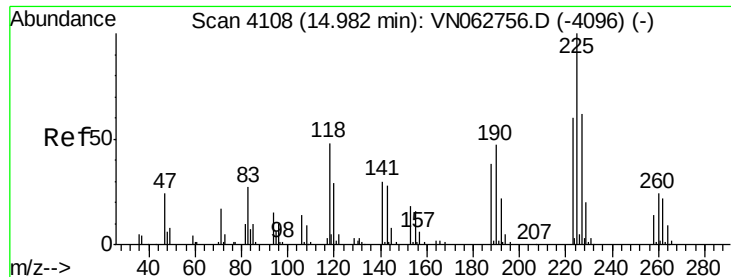
sam
 8/11/2020 3:25:05 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 45.436 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	49.1	147.4
145	33.4	16.3	48.8





#94

Hexachlorobutadiene

Concen: 43.224 ug/l

RT: 14.98 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Instrument :

MSVOA_N

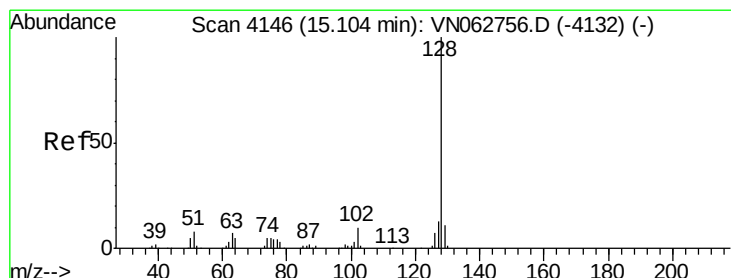
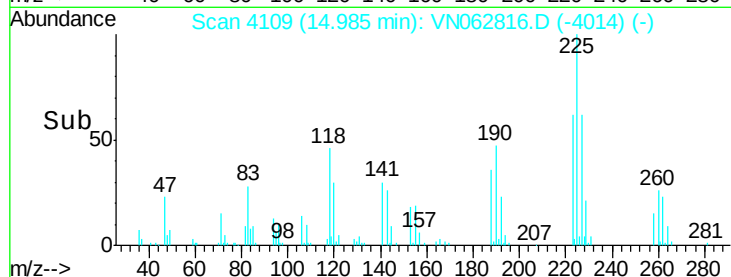
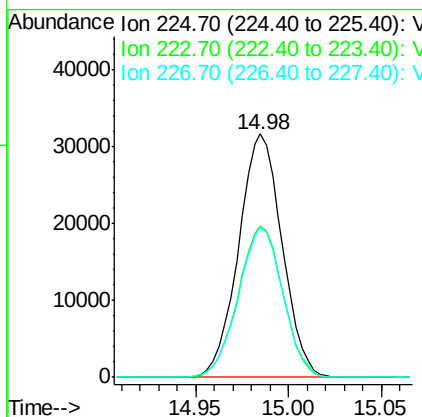
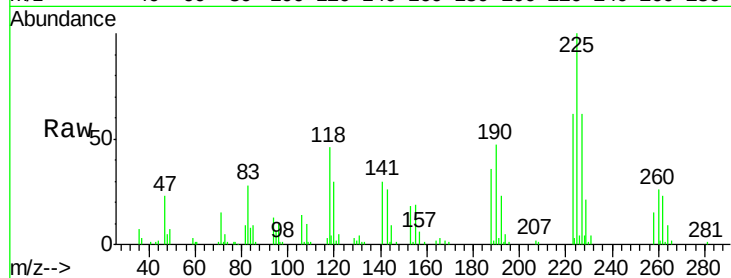
ClientSampleId :

BP-VPB179-GW-498-500MSD

Tot Ion:	225	Resp:	51362
Ion Ratio	Lower	Upper	
225	100		
223	63.8	30.6	92.0
227	63.3	31.6	95.0

Manual Integrations
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sam
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#95

Naphthalene

Concen: 49.090 ug/l

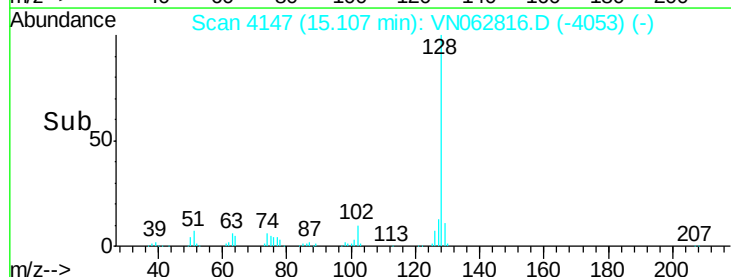
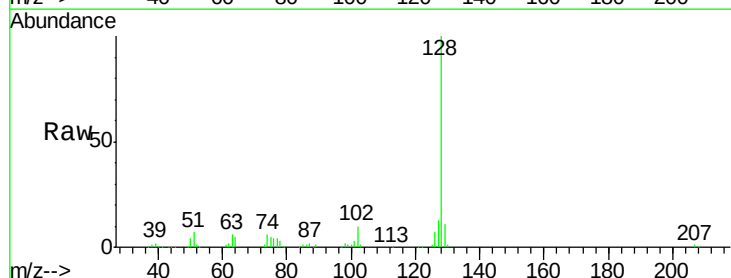
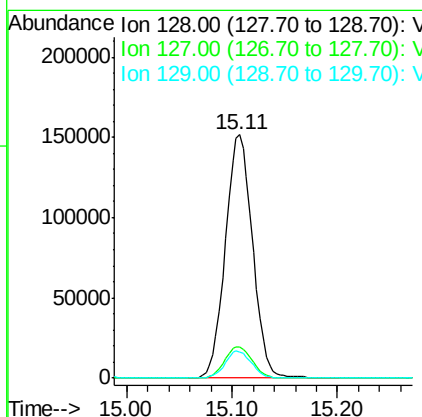
RT: 15.11 min Scan# 4147

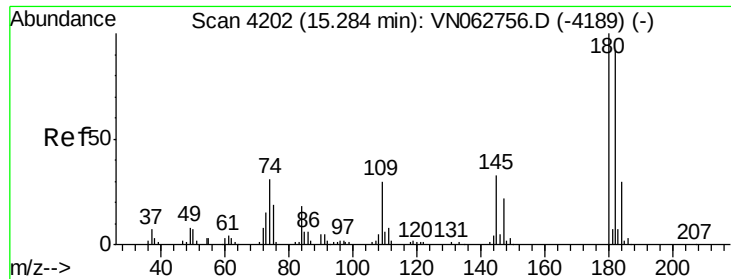
Delta R.T. 0.00 min

Lab File: VN062816.D

Acq: 10 Aug 2020 18:12

Tgt Ion:	128	Resp:	270165
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.8	16.2
129	10.8	8.8	13.2





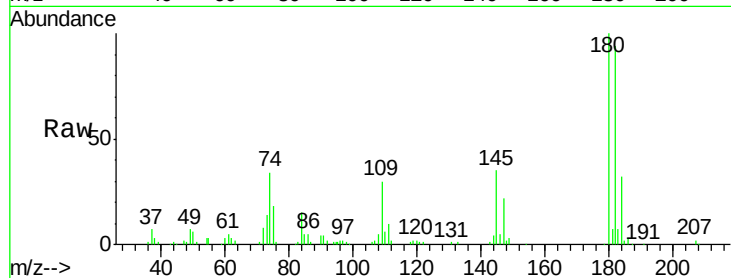
#96
 1,2,3-Trichlorobenzene
 Concen: 46.632 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN062816.D
 Acq: 10 Aug 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.9	143.6	
145	35.2	17.3	51.7	

Manual Integrations
 APPROVED

sam
 8/11/2020 3:25:05 PM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

