

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062815.D
 Acq On : 10 Aug 2020 17:48
 Operator : JC/MD
 Sample : L3618-12MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

sam
 8/11/2020 3:24:58 PM

Quant Time: Aug 11 07:43:24 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	175474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	286856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	274034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	127028	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
35) Dibromofluoromethane	7.55	113	89759	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
50) Toluene-d8	10.06	98	343853	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
62) 4-Bromofluorobenzene	12.38	95	130837	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102728	40.883	ug/l	98
3) Chloromethane	2.04	50	94564	39.881	ug/l	100
4) Vinyl Chloride	2.16	62	94949	42.693	ug/l	97
5) Bromomethane	2.50	94	64549	43.845	ug/l	98
6) Chloroethane	2.65	64	68900	47.092	ug/l	97
7) Trichlorofluoromethane	2.97	101	177473	44.752	ug/l	100
8) Diethyl Ether	3.37	74	55454	48.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	74011	46.207	ug/l	97
10) Methyl Iodide	3.91	142	101862	52.994	ug/l	95
11) Tert butyl alcohol	4.74	59	110430	232.193	ug/l	98
12) 1,1-Dichloroethene	3.69	96	72470	48.459	ug/l	99
13) Acrolein	3.57	56	83226	289.021	ug/l	100
14) Allyl chloride	4.27	41	124990	40.684	ug/l	94
15) Acrylonitrile	4.93	53	277901	251.928	ug/l	99
16) Acetone	3.78	43	231276	220.572	ug/l	97
17) Carbon Disulfide	4.00	76	191806	45.117	ug/l	99
18) Methyl Acetate	4.28	43	124563	50.233	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	330893	48.672	ug/l	100
20) Methylene Chloride	4.50	84	93606	48.763	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	79361	45.195	ug/l	97
22) Diisopropyl ether	5.91	45	326357	49.902	ug/l	99
23) Vinyl Acetate	5.84	43	1162004	233.594	ug/l	98
24) 1,1-Dichloroethane	5.80	63	175715	45.847	ug/l	99
25) 2-Butanone	6.79	43	363101	244.507	ug/l	99
26) 2,2-Dichloropropane	6.78	77	121304	34.336	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	99954	47.451	ug/l	91
28) Bromochloromethane	7.15	49	85273	46.101	ug/l	100
29) Tetrahydrofuran	7.17	42	239271	248.006	ug/l	99
30) Chloroform	7.33	83	182472	44.800	ug/l	97
31) Cyclohexane	7.62	56	157481	44.762	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	160256	44.007	ug/l	99
36) 1,1-Dichloropropene	7.75	75	119823	42.899	ug/l	97
37) Ethyl Acetate	6.88	43	135125	46.312	ug/l	98
38) Carbon Tetrachloride	7.73	117	136925	41.449	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	142380	42.357	ug/l	98
40) Benzene	8.00	78	372910	44.741	ug/l	100
41) Methacrylonitrile	7.14	41	65628m	49.847	ug/l	
42) 1,2-Dichloroethane	8.09	62	150880	42.532	ug/l	100
43) Isopropyl Acetate	8.13	43	224312	46.092	ug/l	98
44) Trichloroethene	8.80	130	87526	43.103	ug/l	100
45) 1,2-Dichloropropane	9.09	63	106728	47.312	ug/l	97
46) Dibromomethane	9.18	93	68962	46.657	ug/l	99
47) Bromodichloromethane	9.37	83	151081	45.511	ug/l	99
48) Methyl methacrylate	9.17	41	110338	46.095	ug/l	97
49) 1,4-Dioxane	9.17	88	44252	997.688	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	771046	244.870	ug/l	99
52) Toluene	10.13	92	229866	44.668	ug/l	96
53) t-1,3-Dichloropropene	10.36	75	158099	43.297	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	167407	45.663	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	100835	45.878	ug/l	98
56) Ethyl methacrylate	10.40	69	165356	49.983	ug/l	97
57) 1,3-Dichloropropane	10.68	76	174251	46.660	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	226197	241.892	ug/l	99
59) 2-Hexanone	10.72	43	573501	244.165	ug/l	97
60) Dibromochloromethane	10.88	129	113429	45.224	ug/l	100
61) 1,2-Dibromoethane	10.98	107	102554	47.287	ug/l	100
64) Tetrachloroethene	10.60	164	73922	41.809	ug/l	95
65) Chlorobenzene	11.41	112	254020	44.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	103400	44.949	ug/l	99
67) Ethyl Benzene	11.49	91	462757	45.143	ug/l	98
68) m/p-Xylenes	11.60	106	337911	90.811	ug/l	98
69) o-Xylene	11.92	106	165306	47.405	ug/l	98
70) Styrene	11.94	104	295325	48.181	ug/l	98
71) Bromoform	12.10	173	83314	44.266	ug/l #	100
73) Isopropylbenzene	12.23	105	459409	46.873	ug/l	99
74) N-amyl acetate	12.05	43	203526	51.242	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	159262	46.160	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	146826m	41.827	ug/l	
77) Bromobenzene	12.50	156	109998	45.169	ug/l	97
78) n-propylbenzene	12.57	91	517186	44.953	ug/l	99
79) 2-Chlorotoluene	12.65	91	323961	44.903	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	399337	46.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	53620	46.630	ug/l	95
82) 4-Chlorotoluene	12.75	91	338414	45.517	ug/l	99
83) tert-Butylbenzene	12.97	119	337239	46.872	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	390655	48.024	ug/l	100
85) sec-Butylbenzene	13.15	105	434102	45.945	ug/l	100
86) p-Isopropyltoluene	13.26	119	384569	45.855	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	195103	44.846	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	193266	44.292	ug/l	97
89) n-Butylbenzene	13.59	91	298422	42.073	ug/l	99
90) Hexachloroethane	13.85	117	77574	42.911	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	191763	47.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	34484	46.555	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	85325	39.686	ug/l	97
94) Hexachlorobutadiene	14.99	225	53488	41.399	ug/l	99
95) Naphthalene	15.10	128	237568	40.467	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	87720	41.144	ug/l	99

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

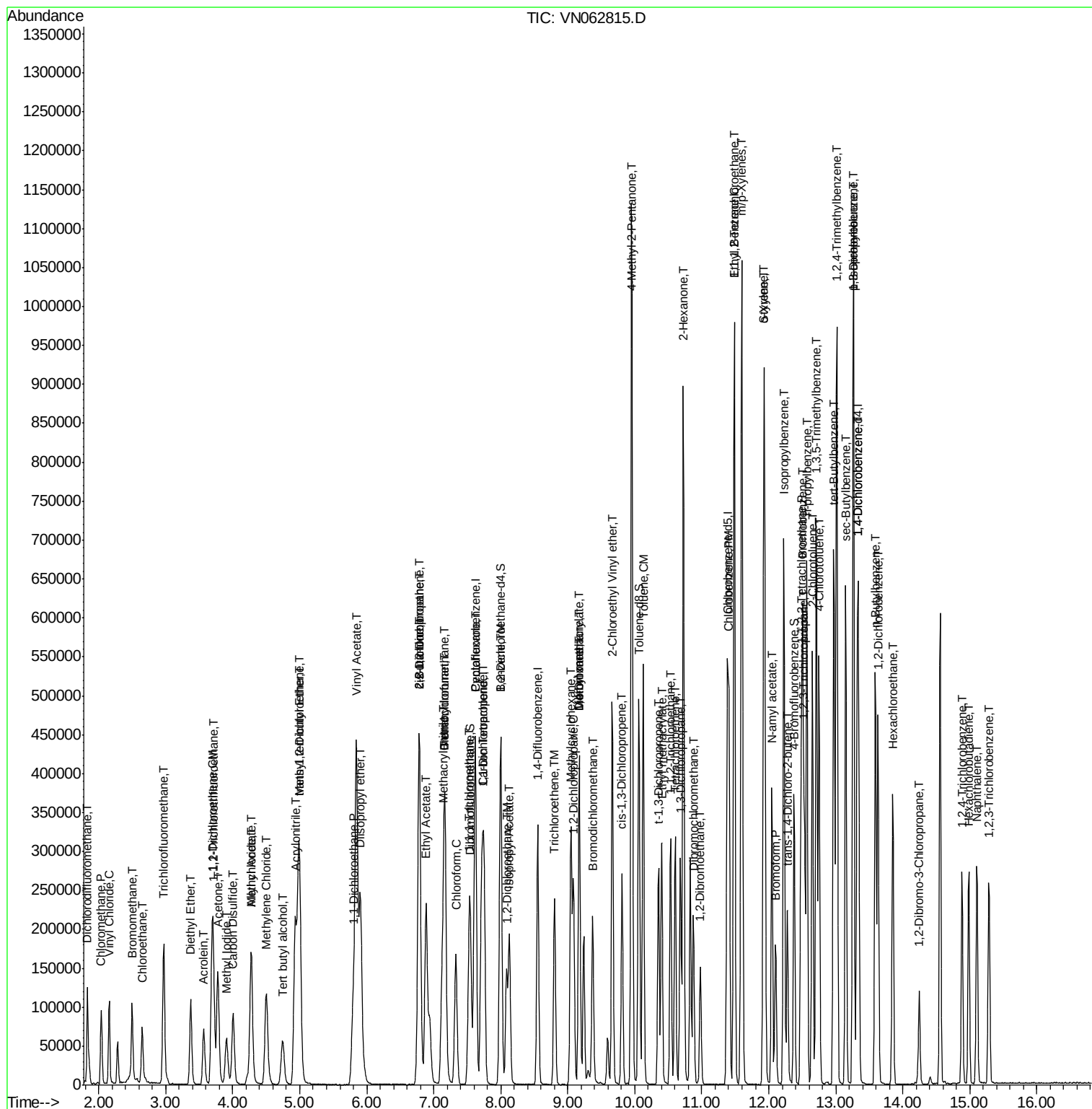
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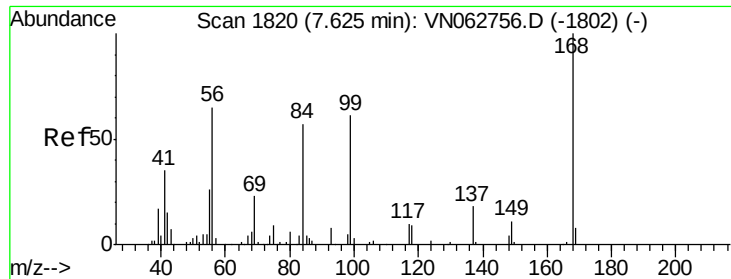
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:168 Resp: 175474

Ion Ratio Lower Upper

168 100

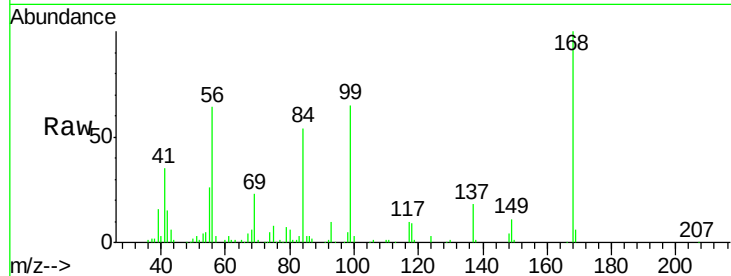
99 64.2 52.9 79.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

40000

20000

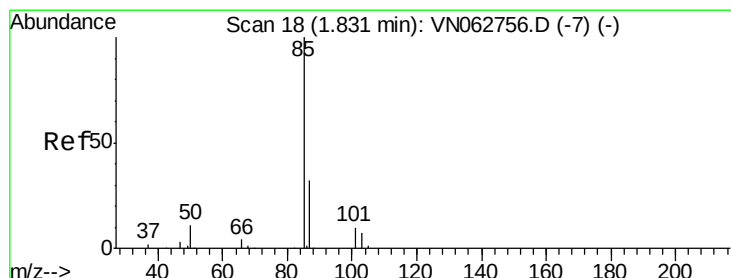
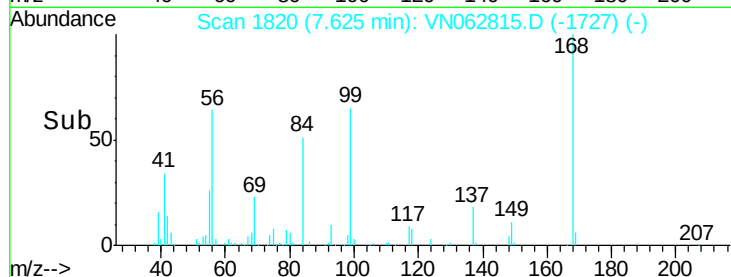
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.883 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062815.D

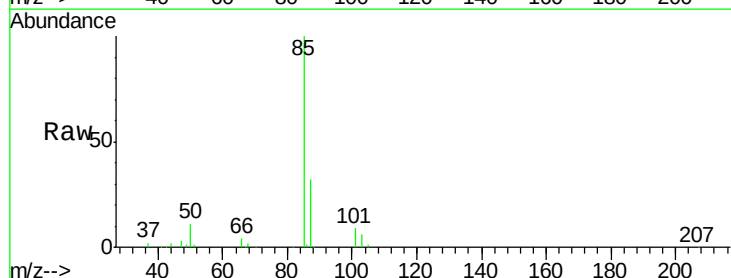
Acq: 10 Aug 2020 17:48

Tgt Ion: 85 Resp: 102728

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

0

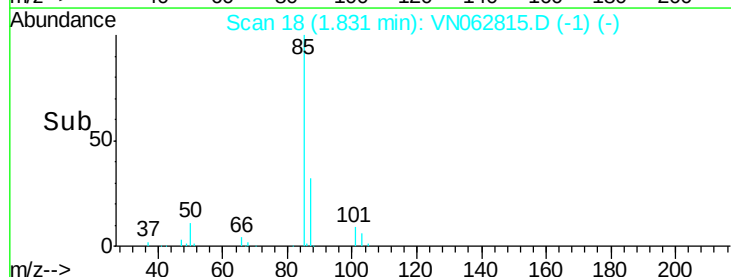
1.75

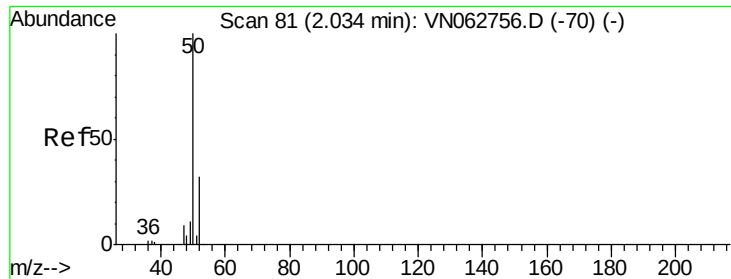
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 39.881 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion: 50 Resp: 94564

Ion Ratio Lower Upper

50 100

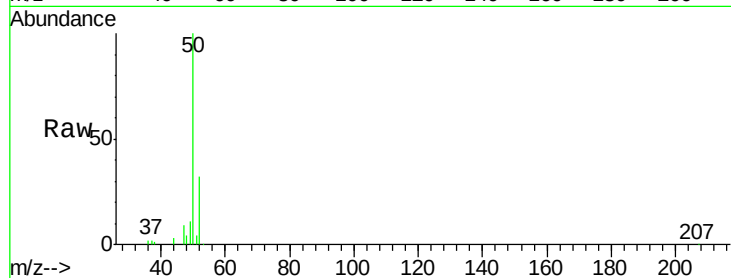
52 32.0 25.6 38.4

Manual Integrations

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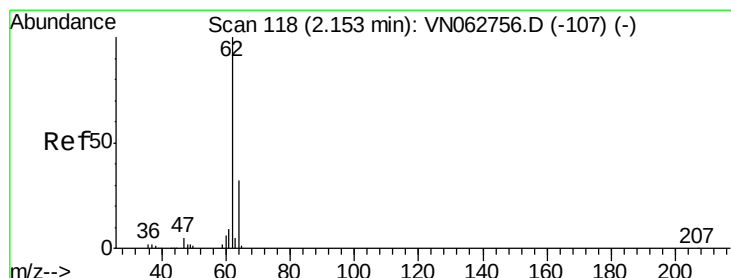
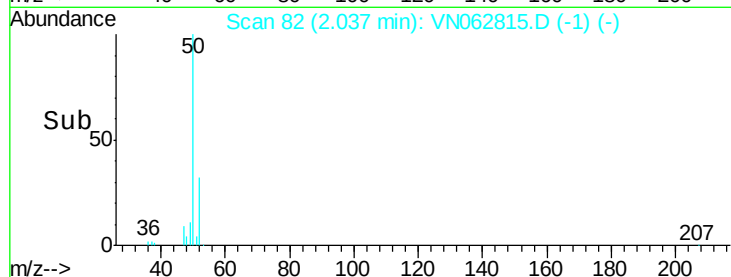
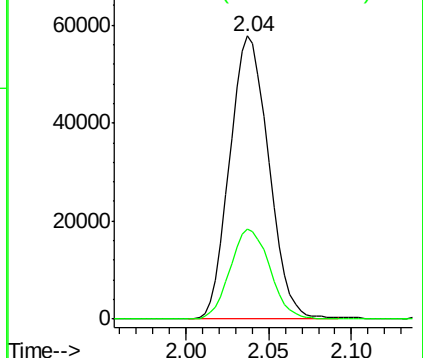
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 42.693 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062815.D

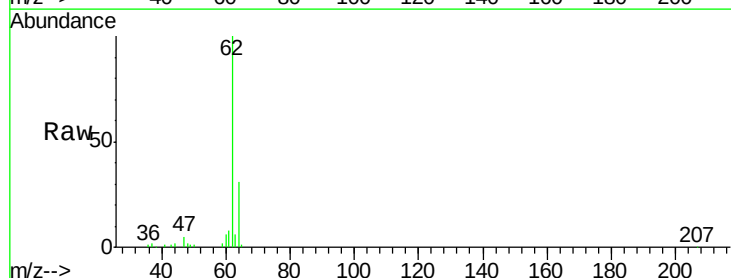
Acq: 10 Aug 2020 17:48

Tgt Ion: 62 Resp: 94949

Ion Ratio Lower Upper

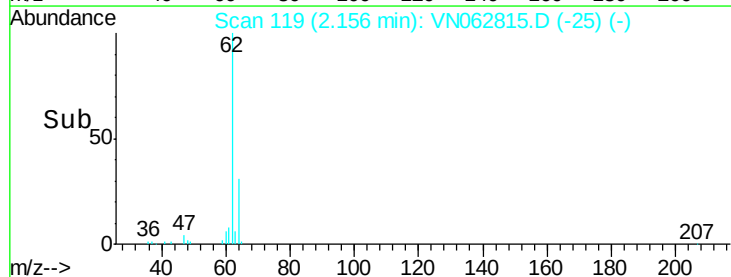
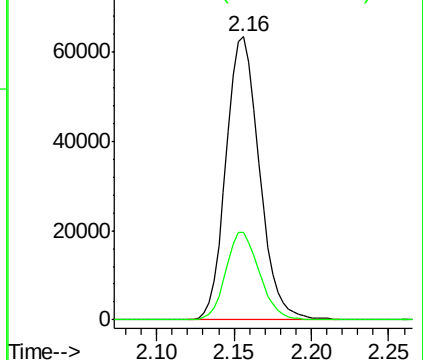
62 100

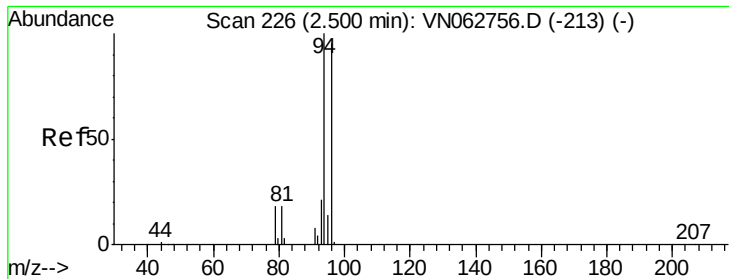
64 30.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.845 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

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Tot Ion: 94 Resp: 64549

Ion Ratio Lower Upper

94 100

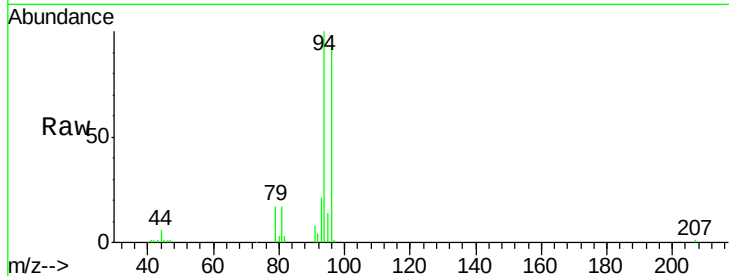
96 93.2 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.50

40000

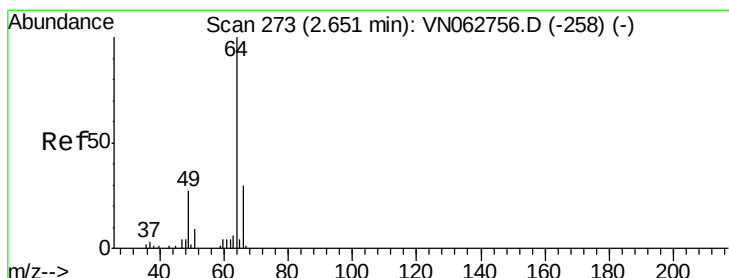
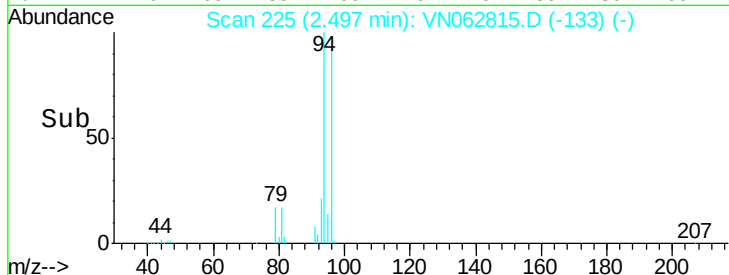
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 47.092 ug/l

RT: 2.65 min Scan# 272

Delta R.T. -0.00 min

Lab File: VN062815.D

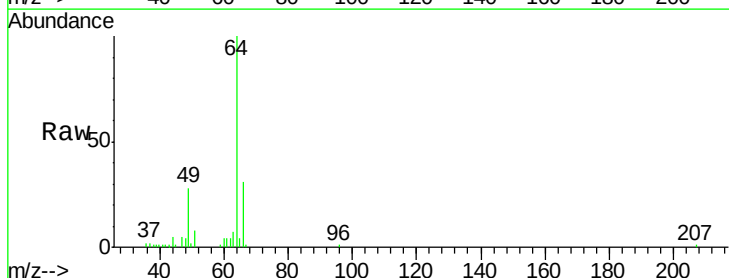
Acq: 10 Aug 2020 17:48

Tgt Ion: 64 Resp: 68900

Ion Ratio Lower Upper

64 100

66 31.4 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.65

40000

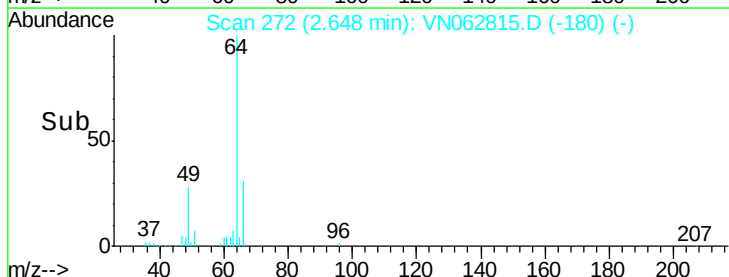
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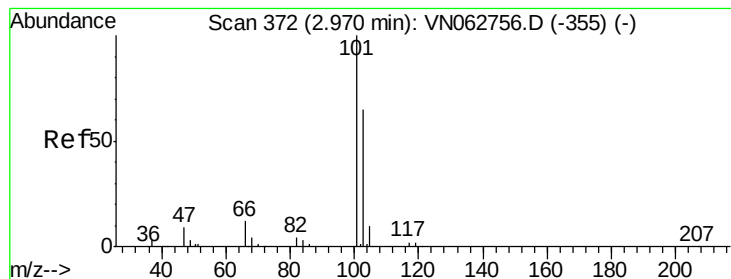
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10000

0

Time-->





#7

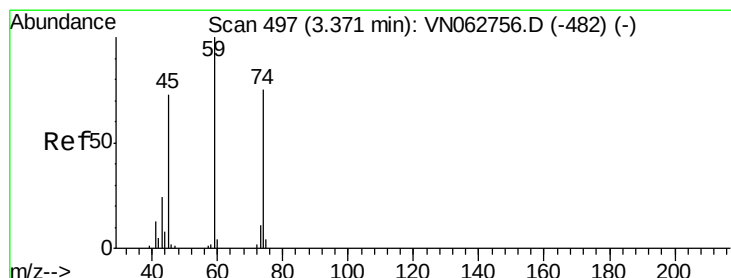
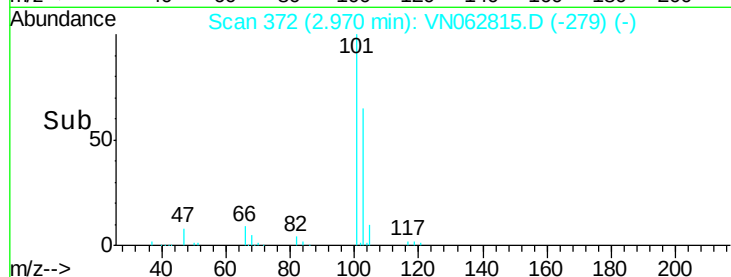
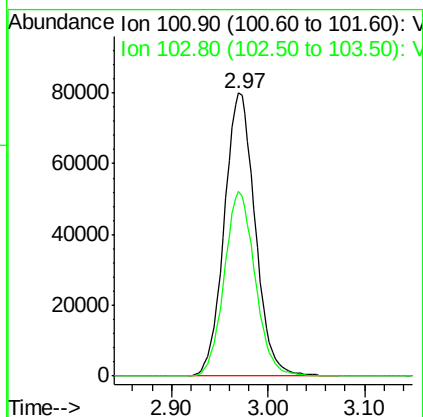
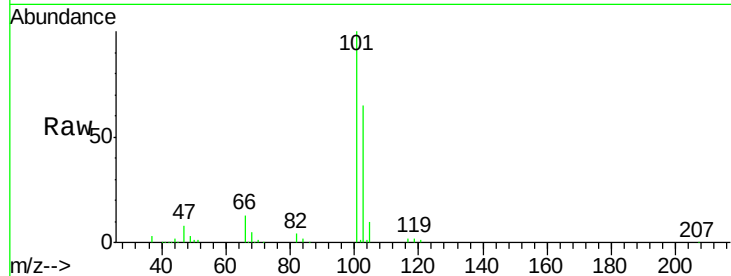
Trichlorofluoromethane
Concen: 44.752 ug/l
RT: 2.97 min Scan# 372
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

Manual Integrations
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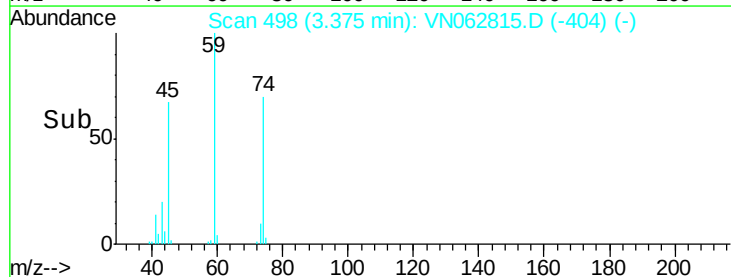
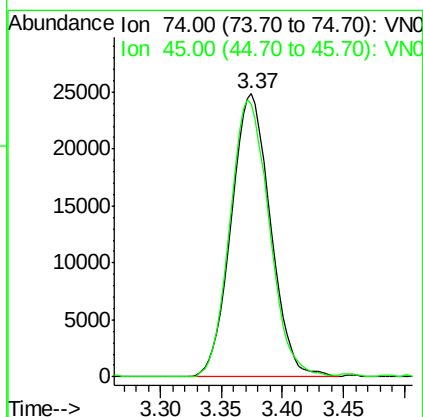
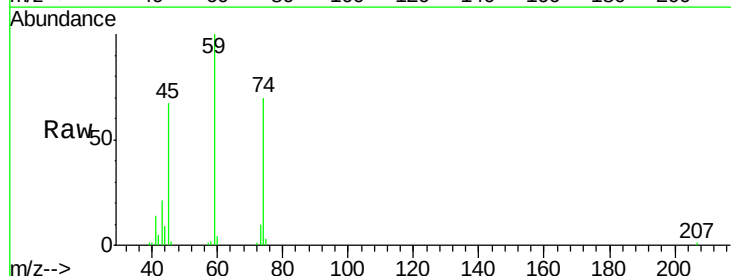
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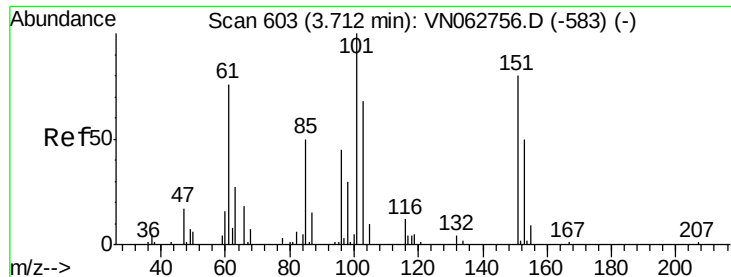


#8

Diethyl Ether
Concen: 48.846 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.207 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

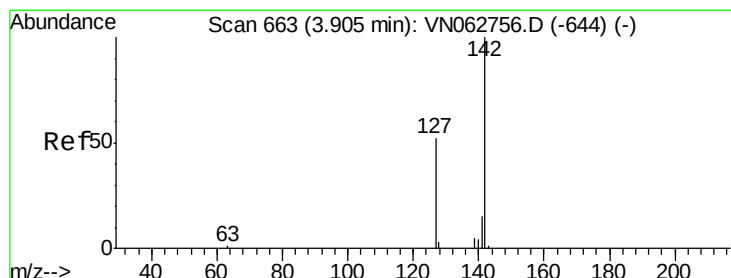
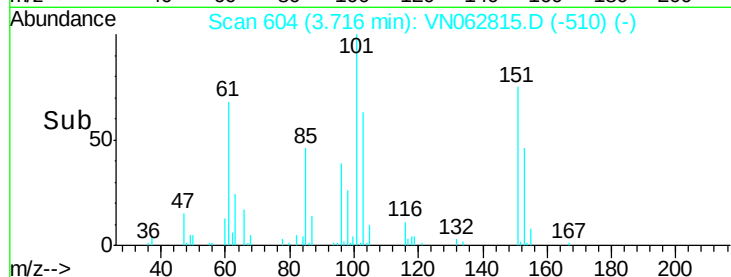
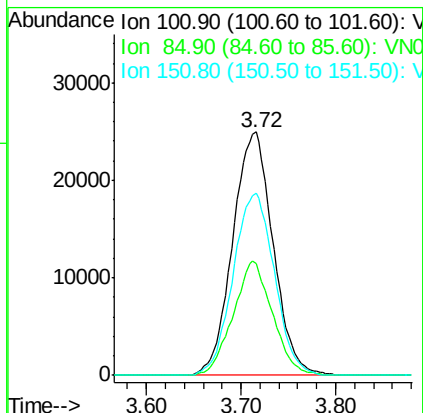
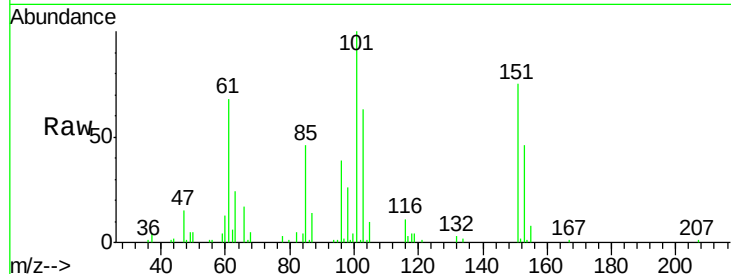
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	101	Resp:	74011
Ion Ratio	Lower	Upper	
101	100		
85	45.5	38.5	57.7
151	76.5	63.0	94.6

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sam
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#10

Methyl Iodide

Concen: 52.994 ug/l

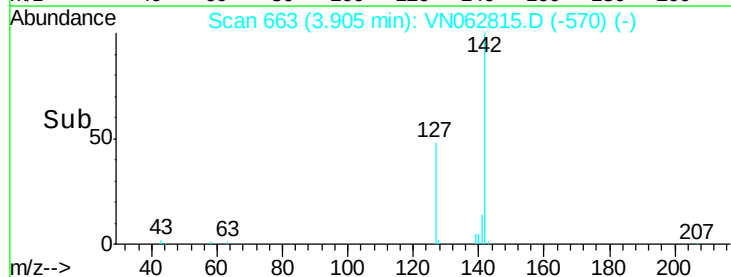
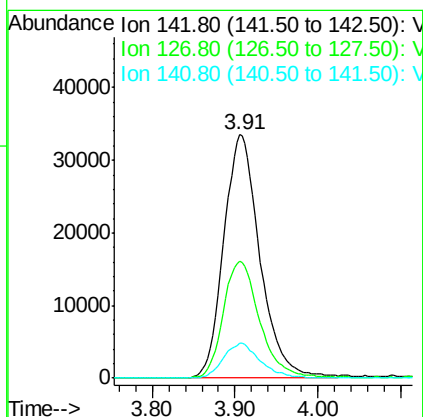
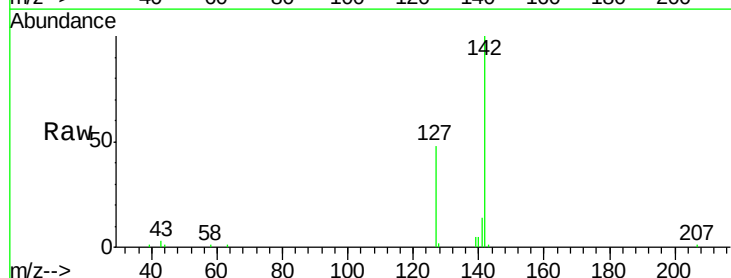
RT: 3.91 min Scan# 663

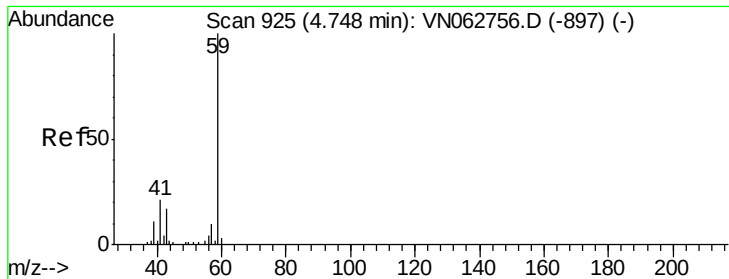
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	142	Resp:	101862
Ion Ratio	Lower	Upper	
142	100		
127	47.9	41.4	62.0
141	14.5	12.2	18.4





#11

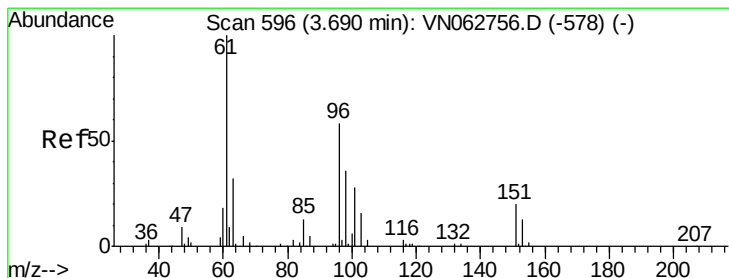
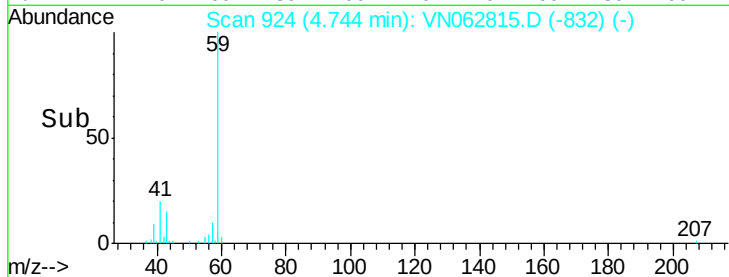
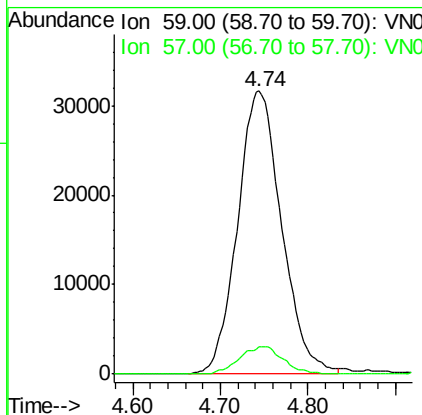
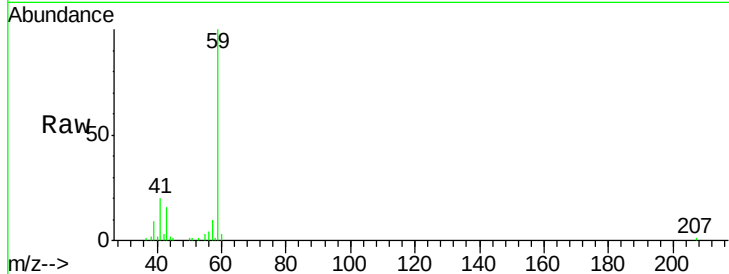
Tert butyl alcohol
Concen: 232.193 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

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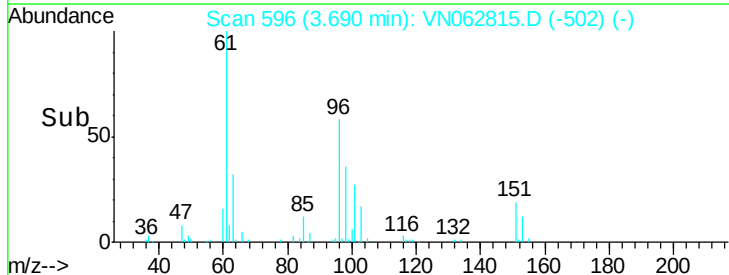
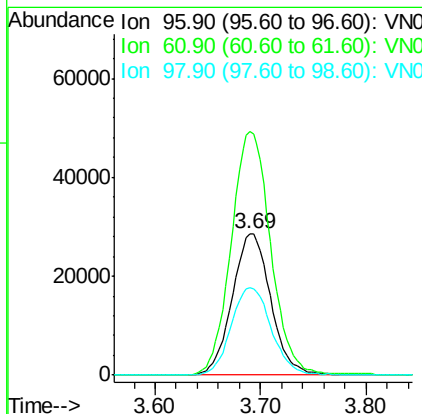
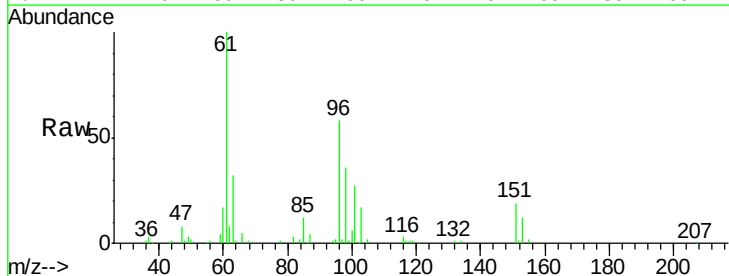
sam
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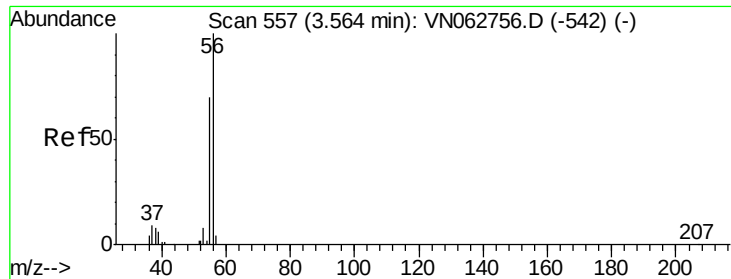


#12

1,1-Dichloroethene
Concen: 48.459 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.0	139.0	208.6
98	61.8	50.2	75.4





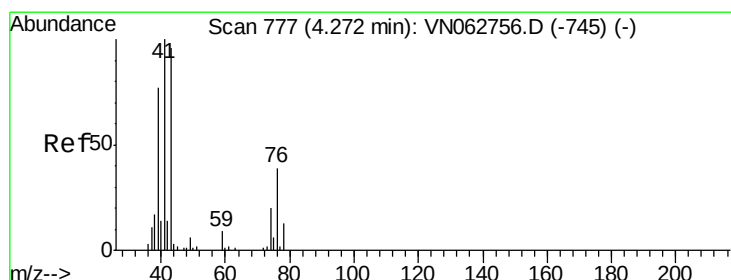
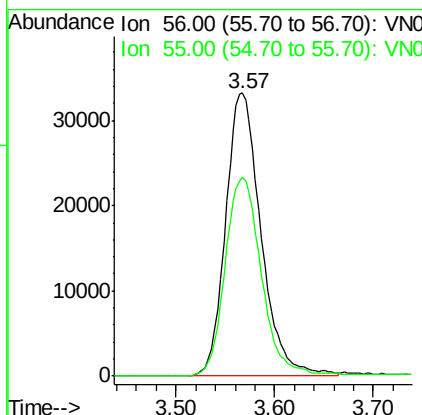
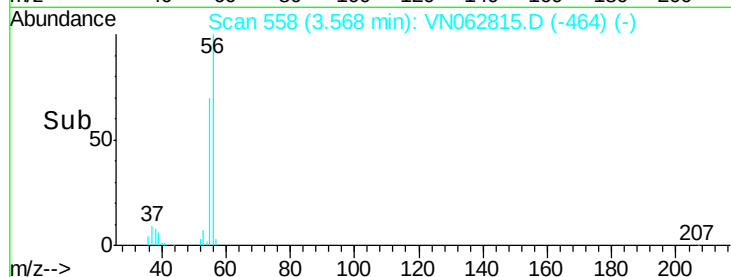
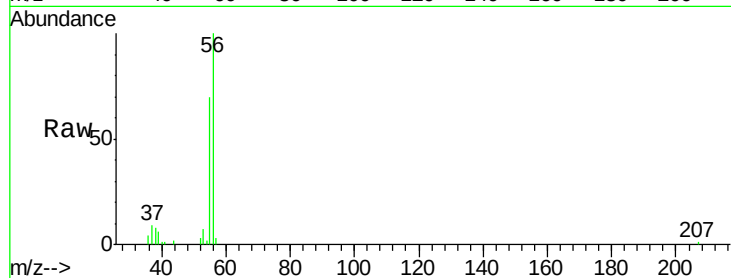
#13
Acrolein
Concen: 289.021 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6

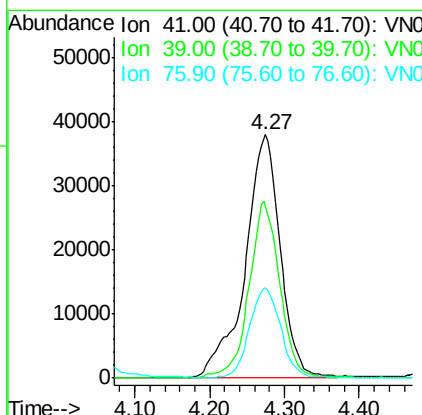
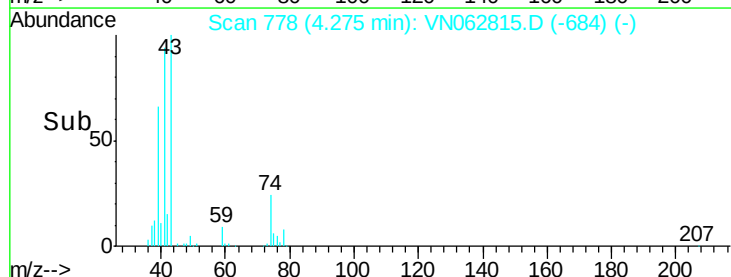
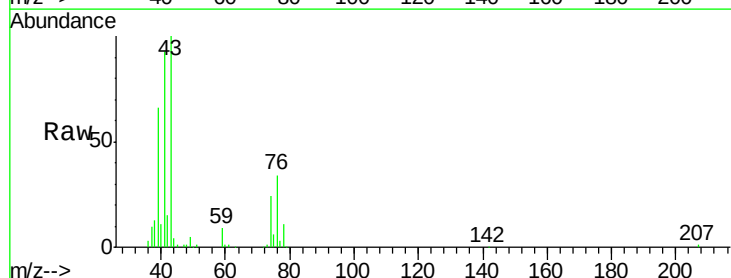
Manual Integrations
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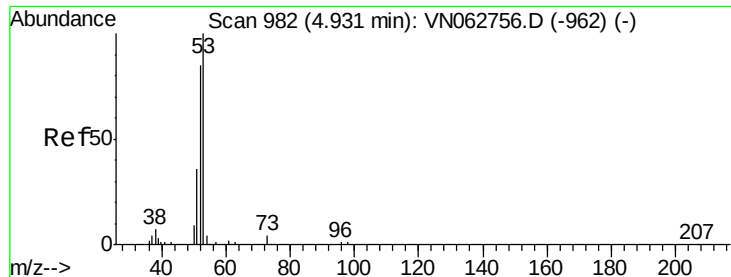
sam
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#14
Allyl chloride
Concen: 40.684 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.2	55.7	83.5
76	32.8	27.5	41.3





#15

Acrylonitrile

Concen: 251.928 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

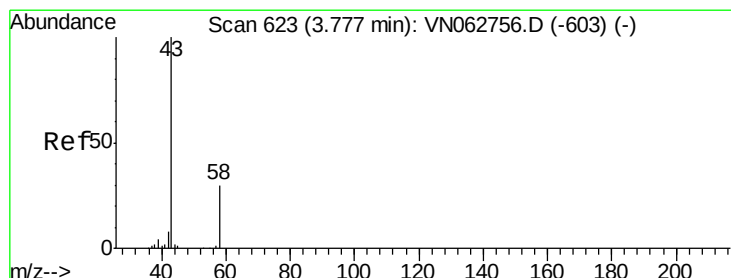
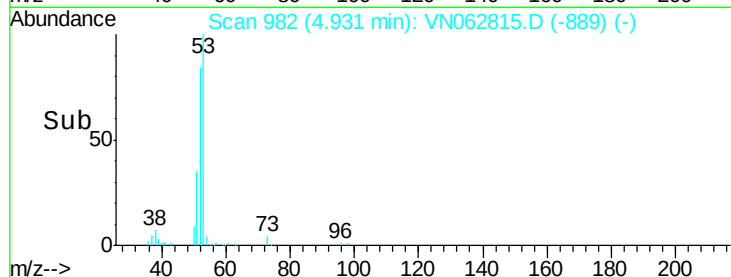
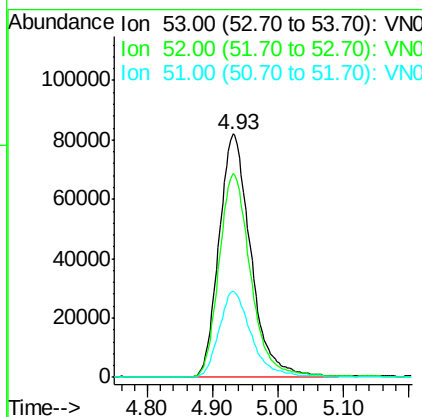
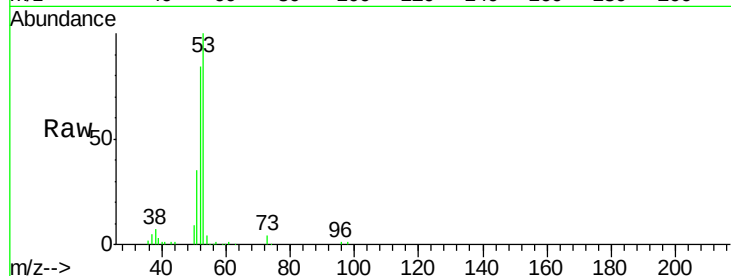
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	53	Resp:	277901
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.8	100.2
51	35.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 220.572 ug/l

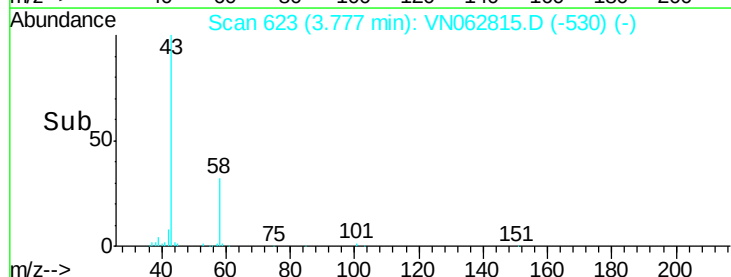
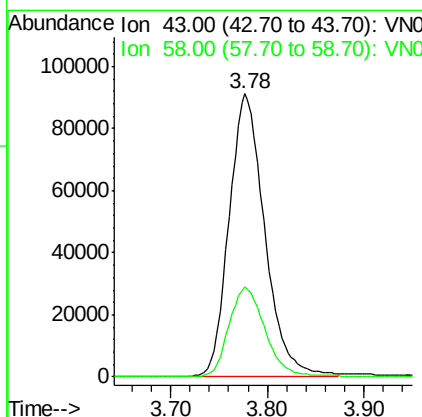
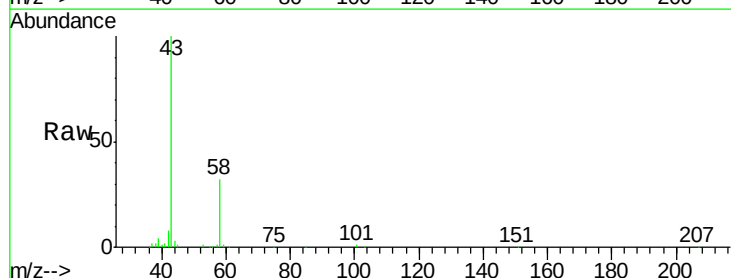
RT: 3.78 min Scan# 623

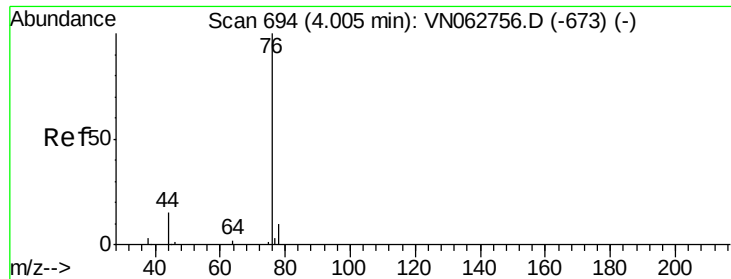
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	43	Resp:	231276
Ion Ratio		Lower	Upper
43	100		
58	31.5	24.1	36.1





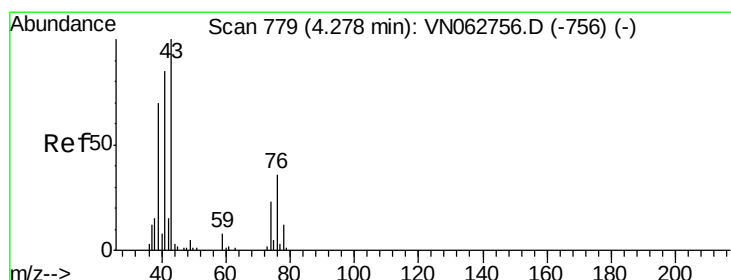
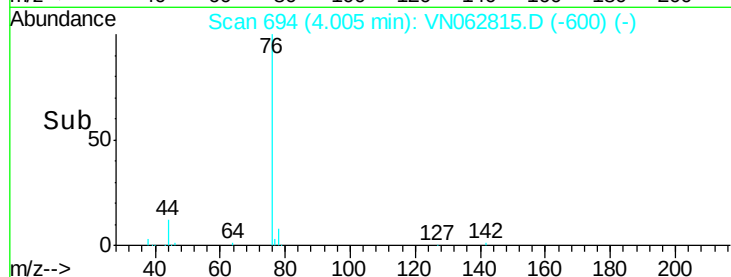
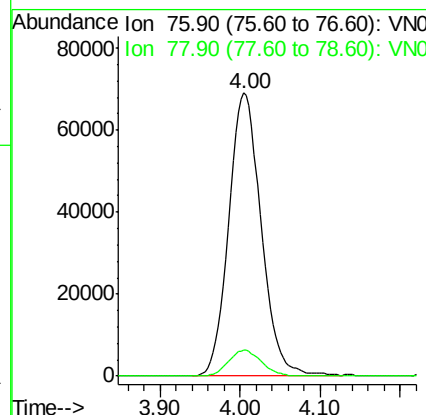
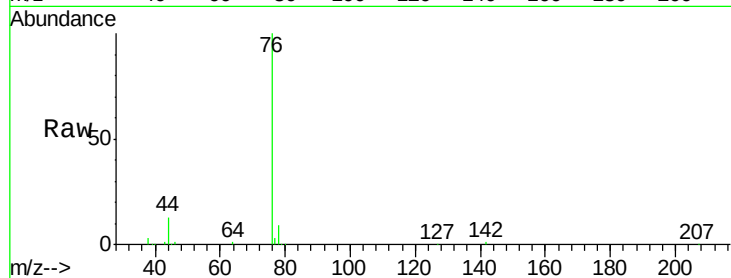
#17
Carbon Disulfide
Concen: 45.117 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.7	11.5

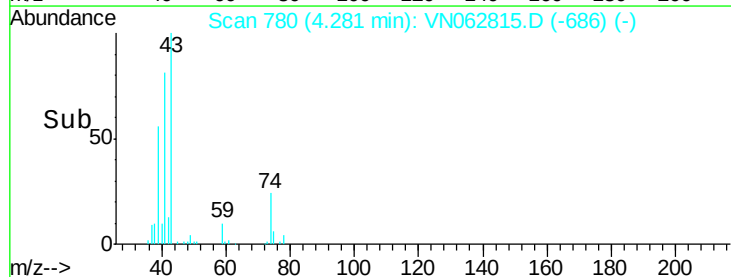
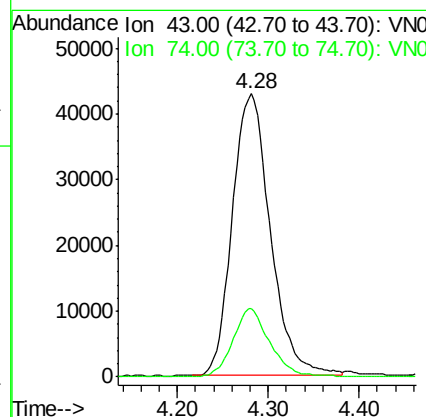
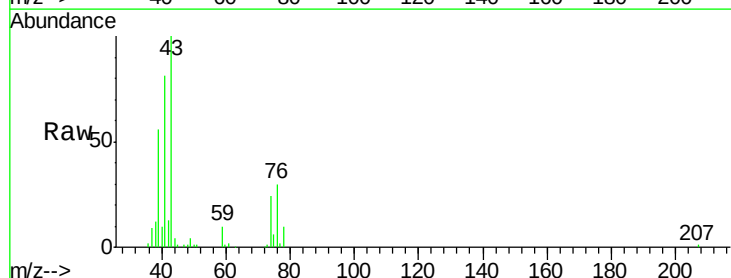
Manual Integrations
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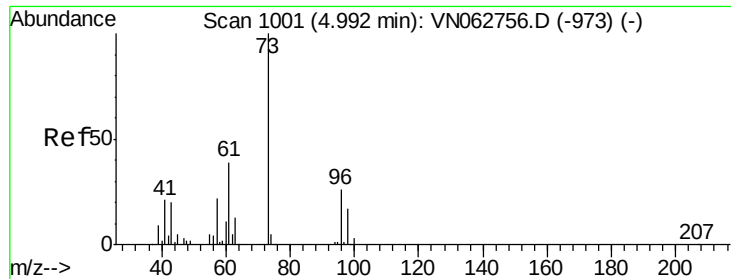
sam
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#18
Methyl Acetate
Concen: 50.233 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.6	28.0





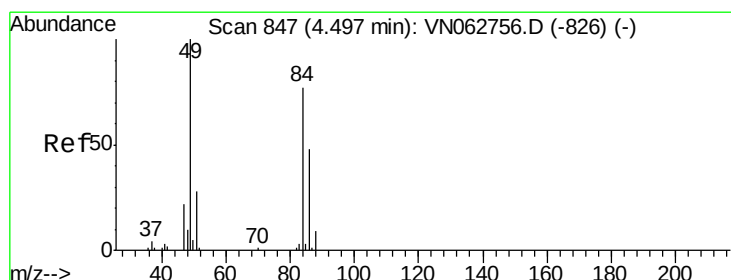
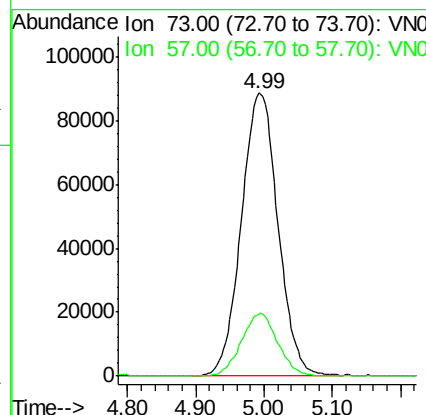
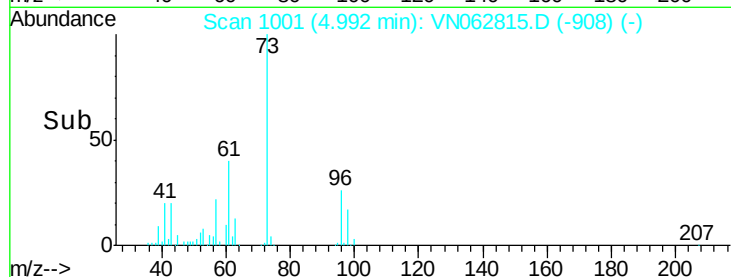
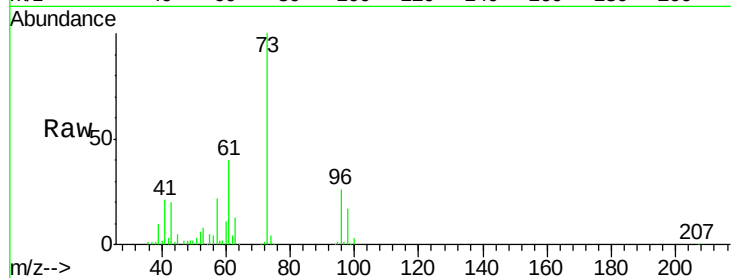
#19
Methvl tert-butyl Ether
Concen: 48.672 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion: 73 Resp: 330893
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

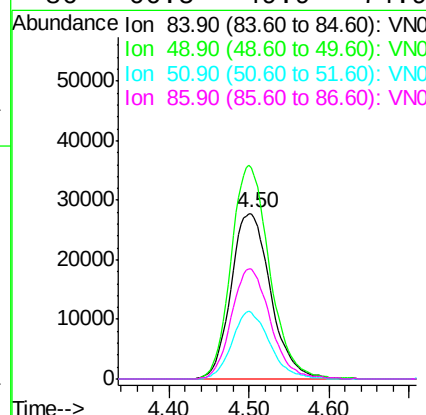
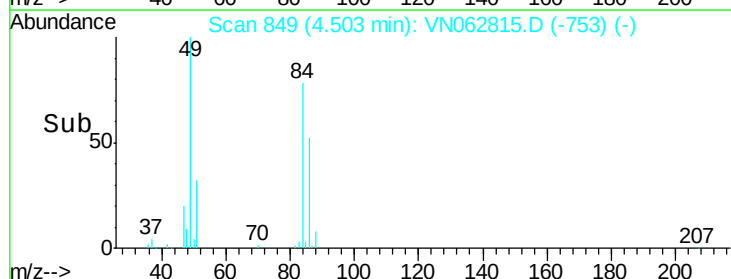
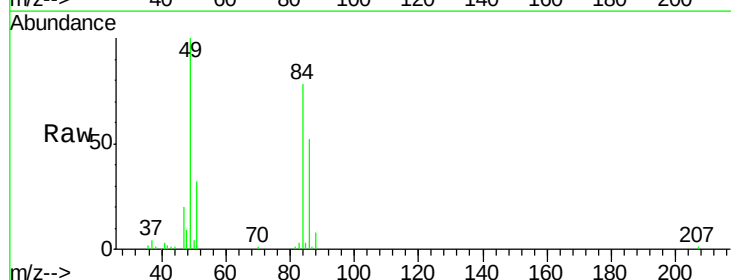
Manual Integrations
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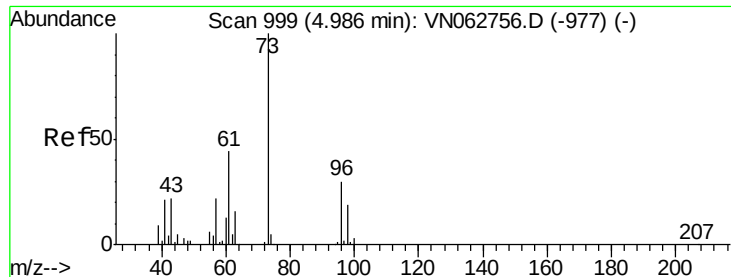
sam
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#20
Methylene Chloride
Concen: 48.763 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 84 Resp: 93606
Ion Ratio Lower Upper
84 100
49 127.5 103.4 155.2
51 40.4 29.3 43.9
86 66.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 45.195 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

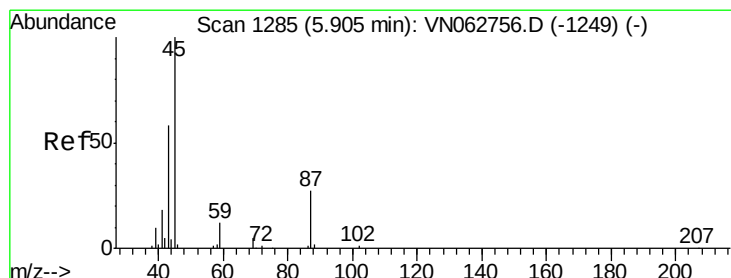
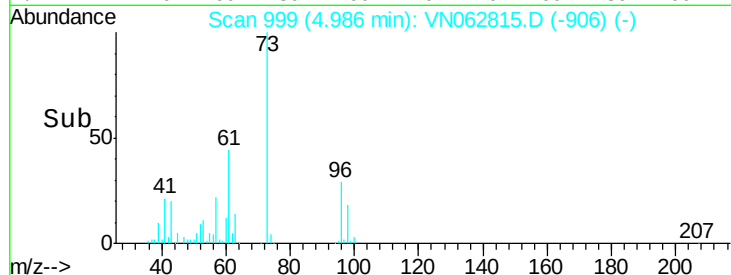
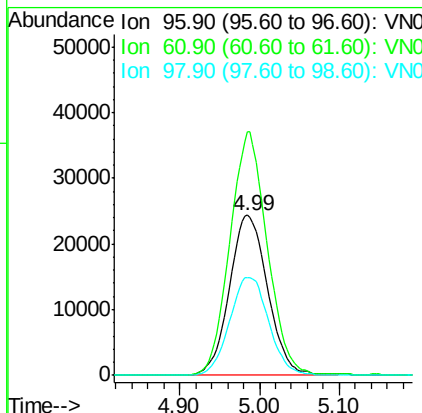
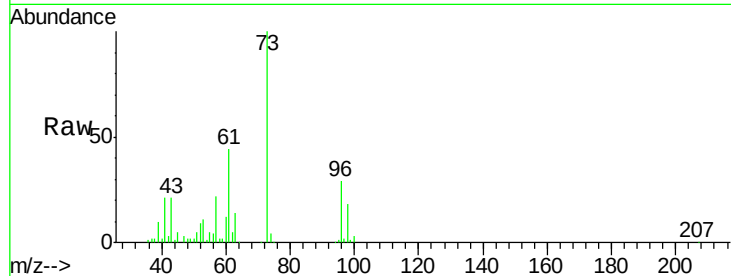
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	96	Resp:	79361
Ion	Ratio	Lower	Upper
96	100		
61	152.3	118.8	178.2
98	61.3	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.902 ug/l

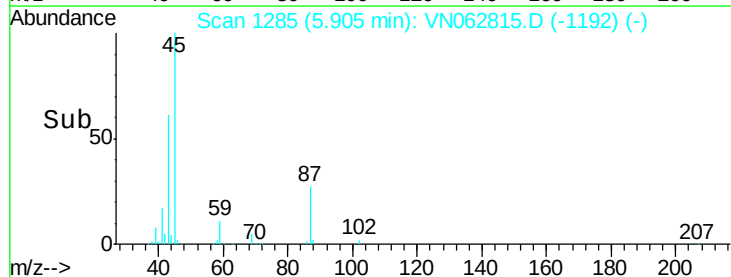
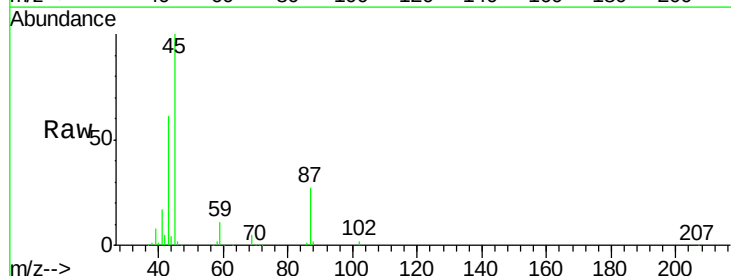
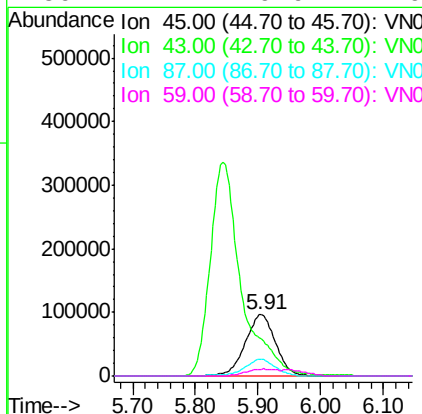
RT: 5.91 min Scan# 1285

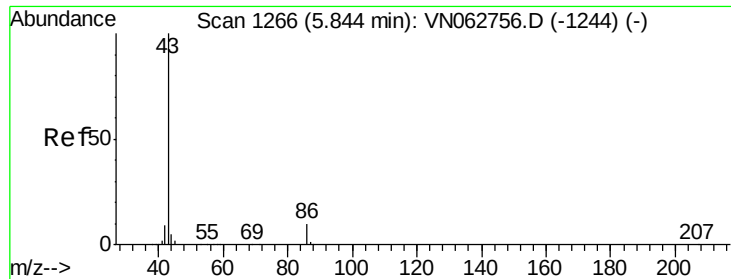
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	45	Resp:	326357
Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.4	71.2
87	27.3	22.8	34.2
59	11.2	9.9	14.9





#23

Vinyl Acetate

Concen: 233.594 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion: 43 Resp: 1162004

Ion Ratio Lower Upper

43 100

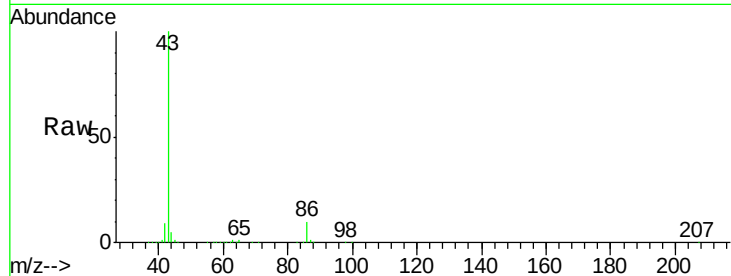
86 10.2 7.7 11.5

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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

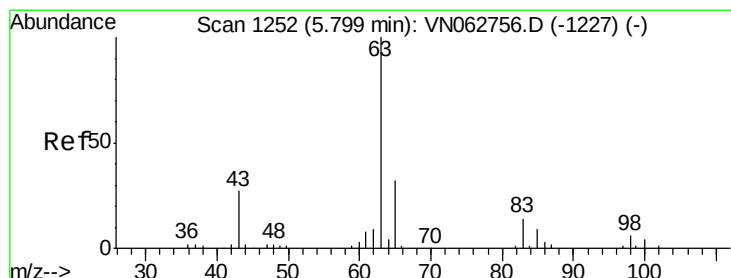
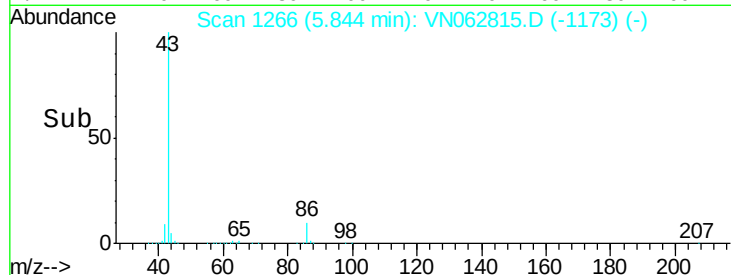
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.847 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

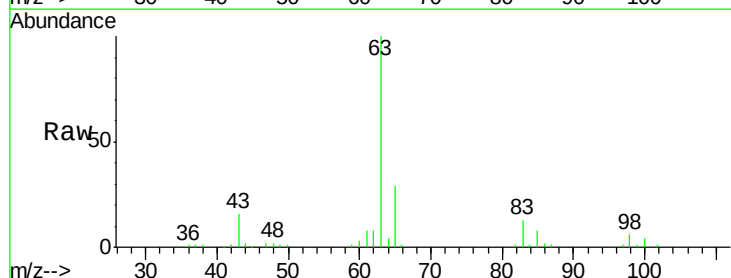
Tgt Ion: 63 Resp: 175715

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.6 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

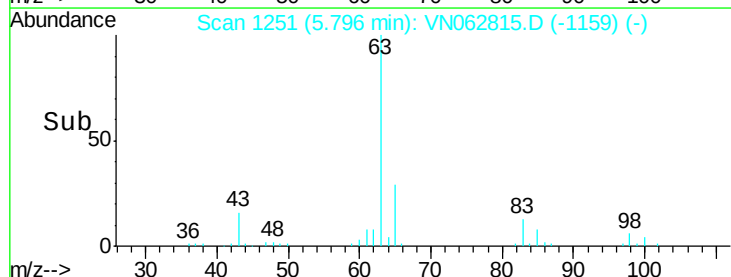
60000

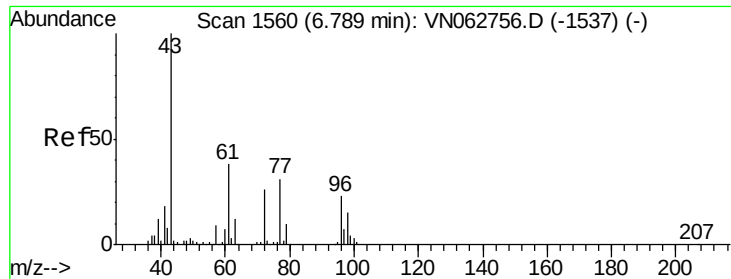
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.507 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion: 43 Resp: 363101

Ion Ratio Lower Upper

43 100

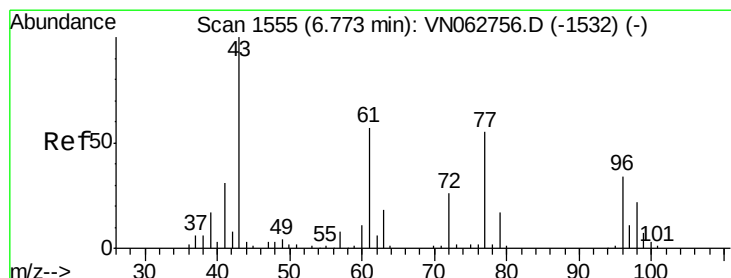
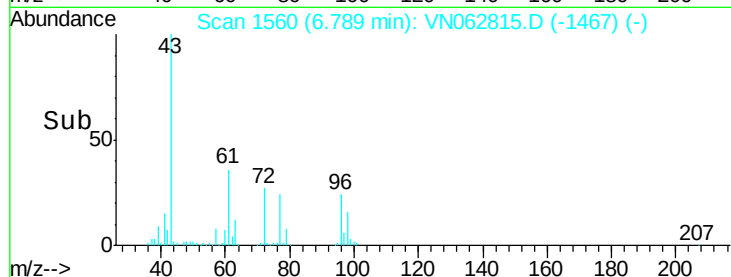
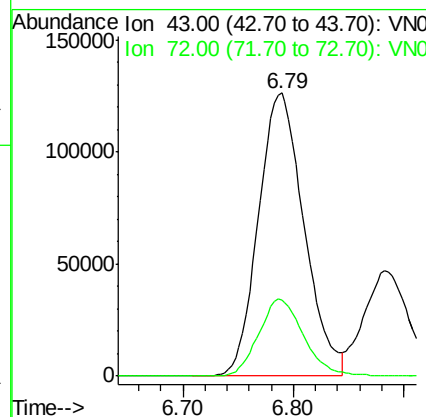
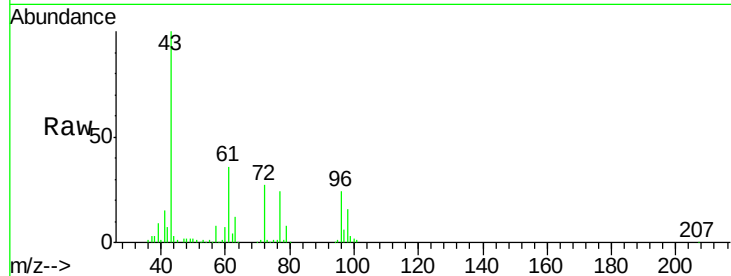
72 27.0 21.1 31.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 34.336 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062815.D

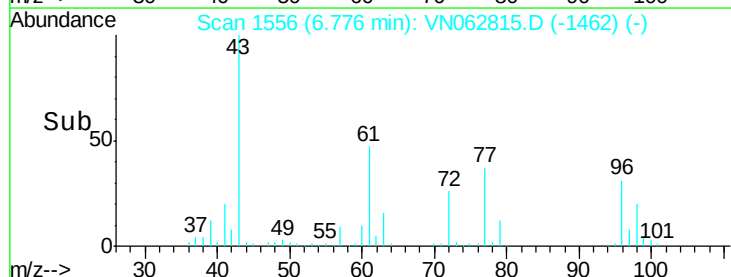
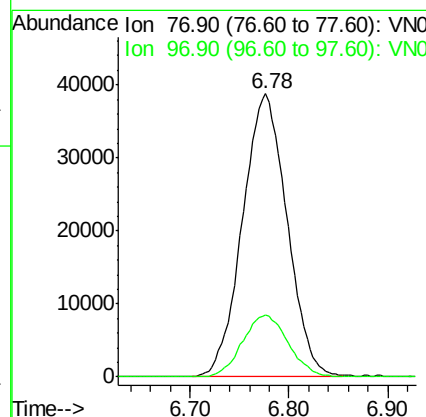
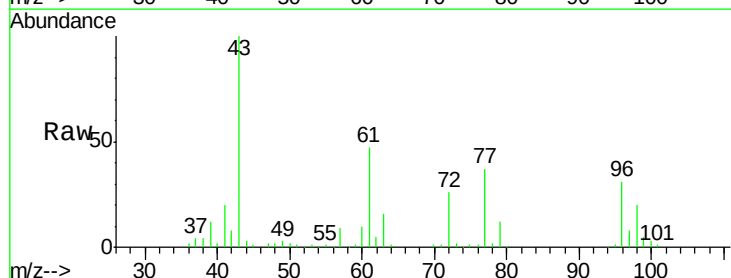
Acq: 10 Aug 2020 17:48

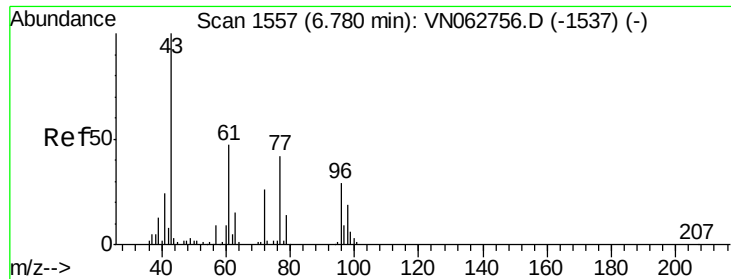
Tgt Ion: 77 Resp: 121304

Ion Ratio Lower Upper

77 100

97 22.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.451 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

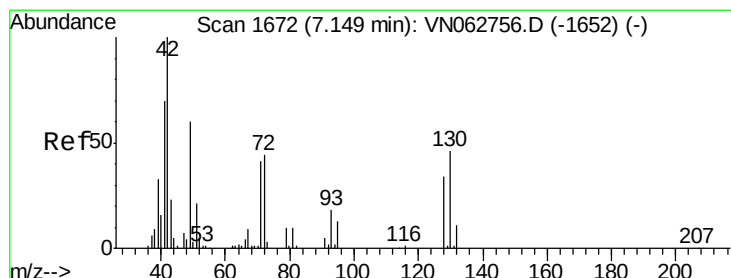
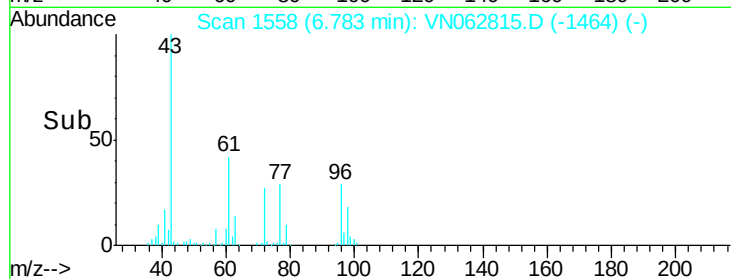
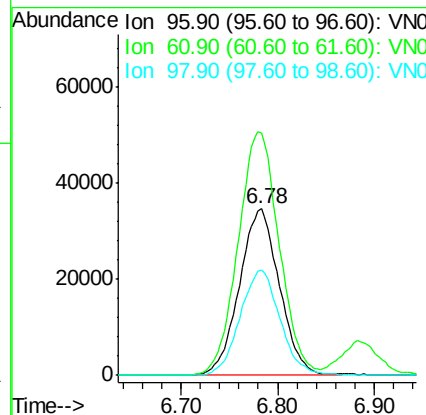
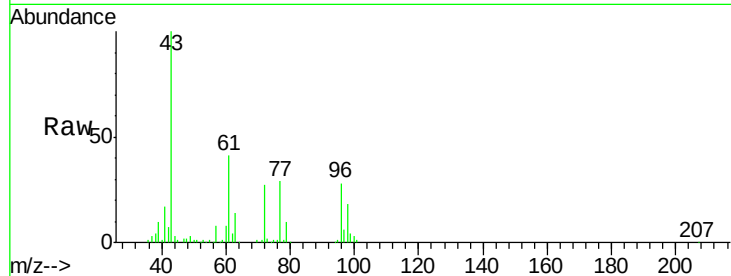
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	96	Resp:	99954
Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	332.2
98	62.9	0.0	129.4

Manual Integrations
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sam
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#28

Bromochloromethane

Concen: 46.101 ug/l

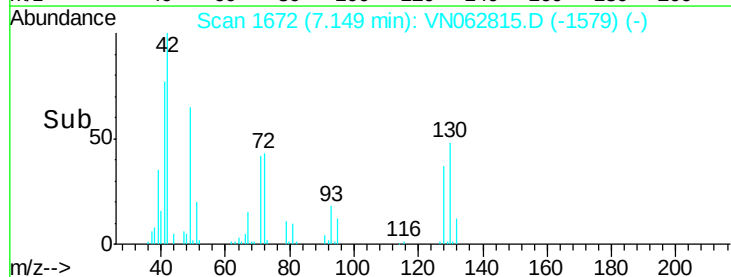
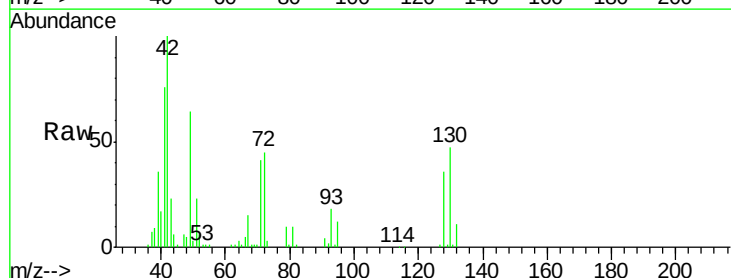
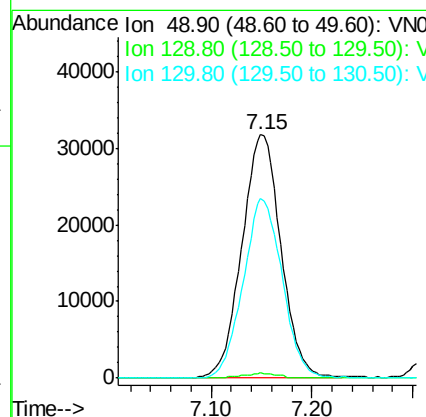
RT: 7.15 min Scan# 1672

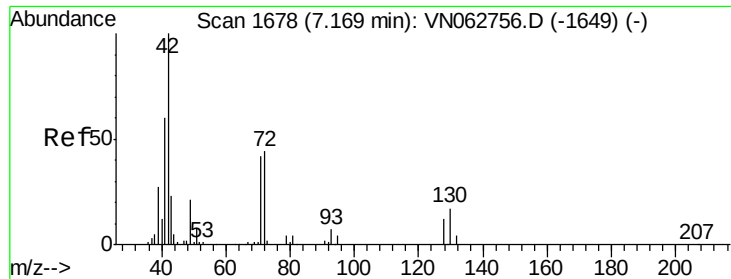
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	49	Resp:	85273
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	73.6	59.0	88.6





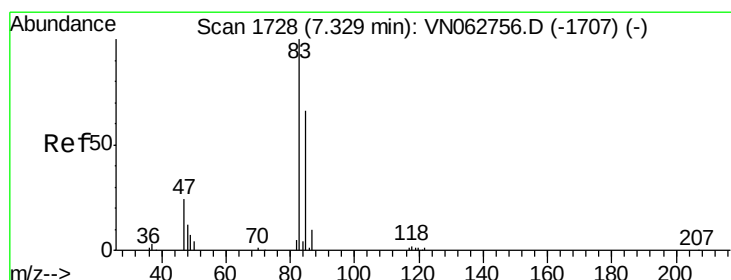
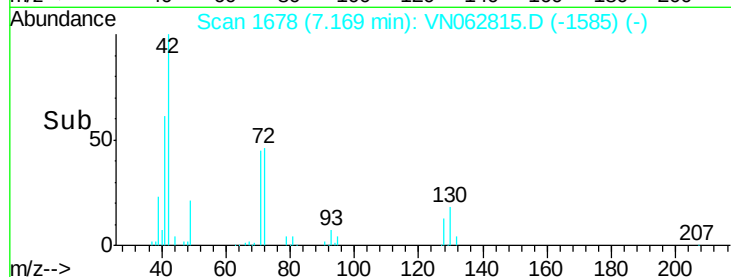
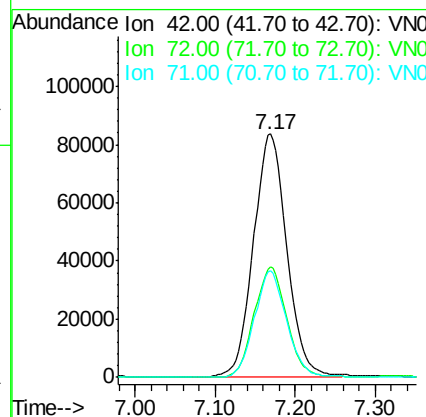
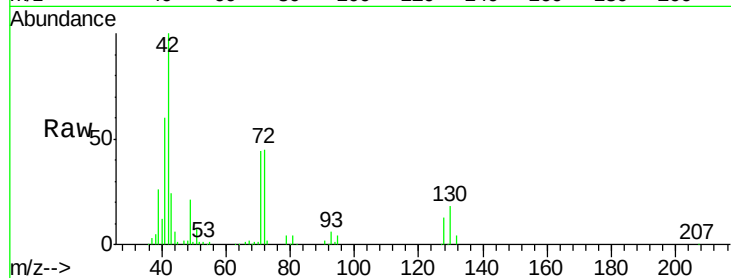
#29
Tetrahydrofuran
Concen: 248.006 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.0	52.4
71	42.3	33.2	49.8

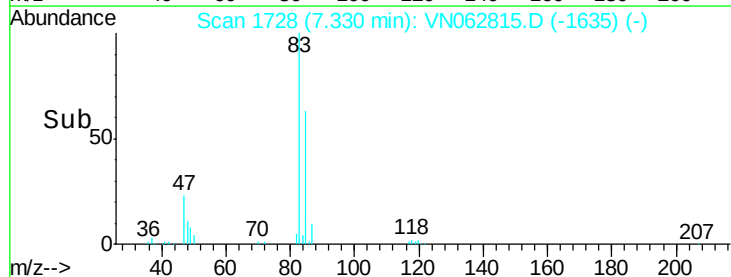
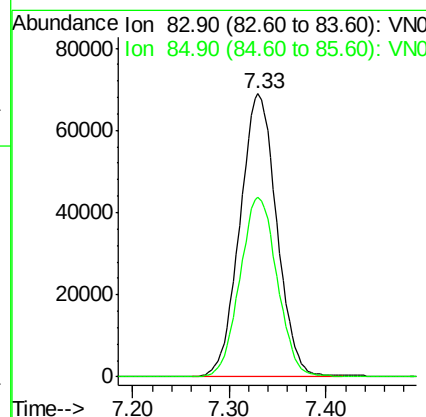
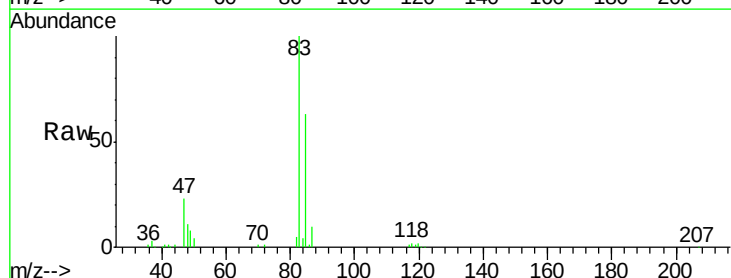
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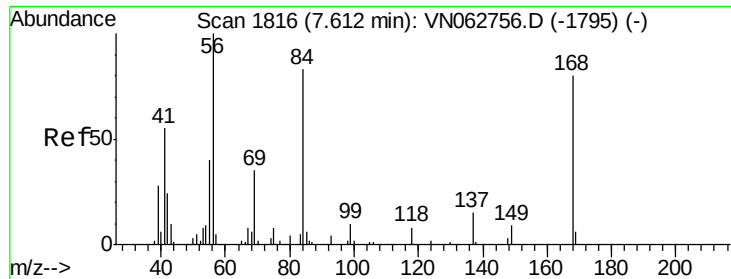
sam
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#30
Chloroform
Concen: 44.800 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.7	79.1





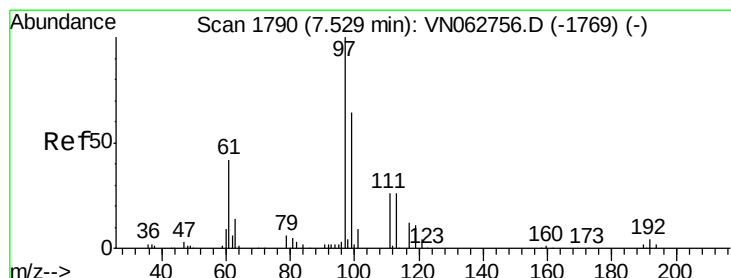
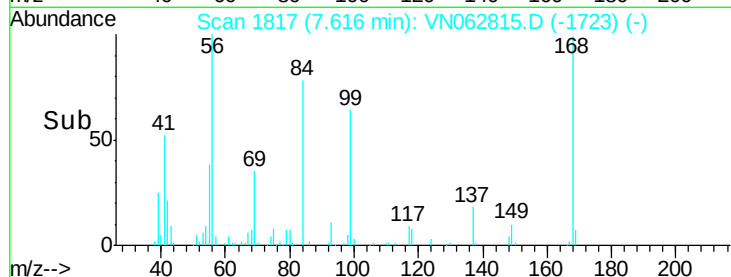
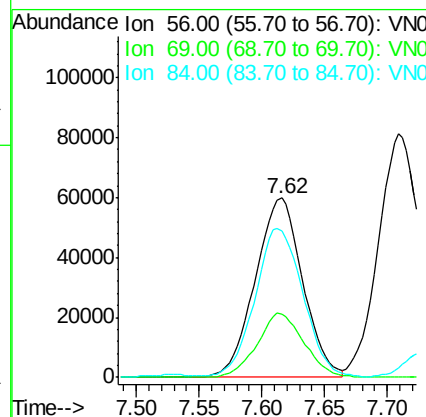
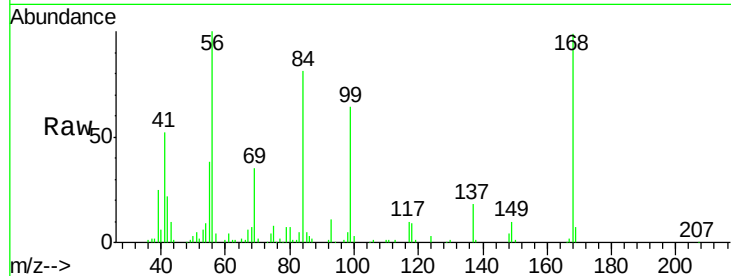
#31
Cyclohexane
Concen: 44.762 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	28.1	42.1
84	80.1	66.8	100.2

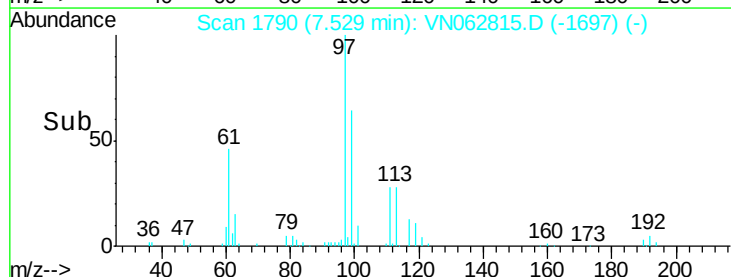
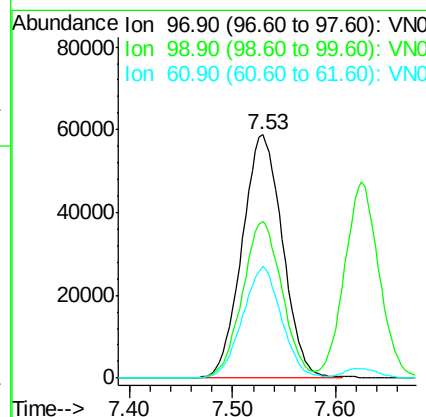
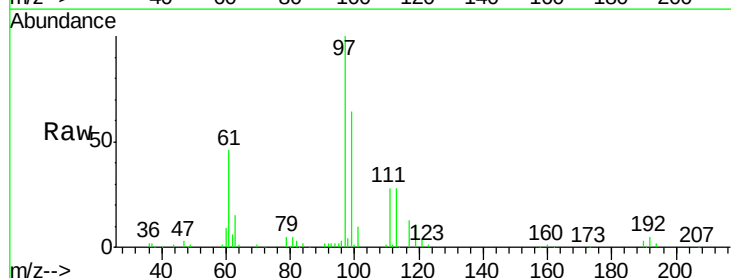
Manual Integrations
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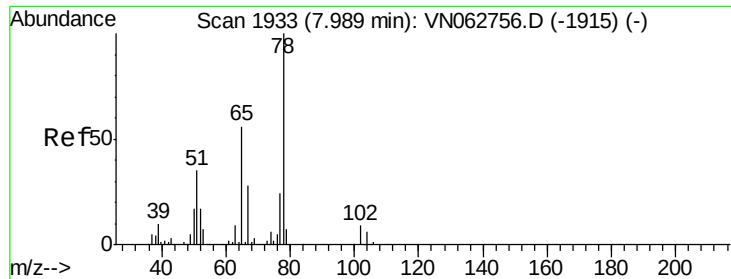
sam
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#32
1,1,1-Trichloroethane
Concen: 44.007 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.0	75.0
61	44.1	34.8	52.2





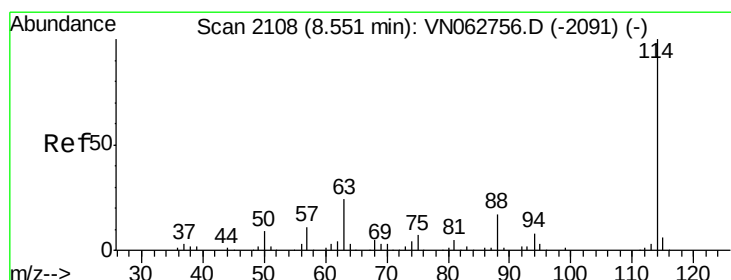
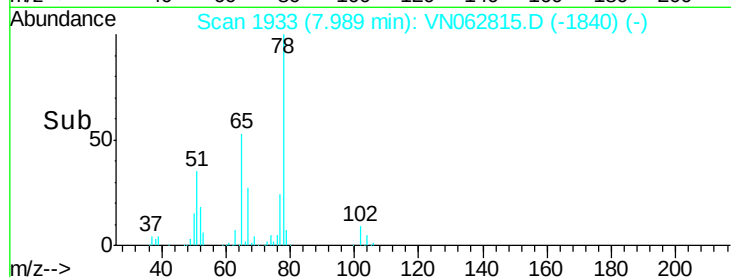
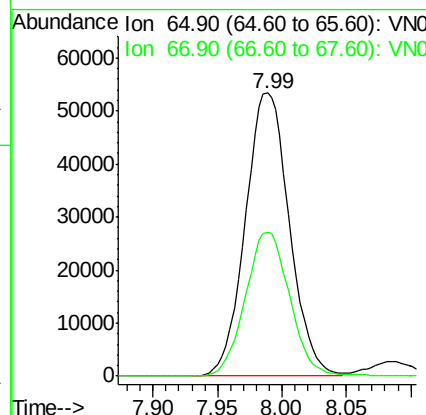
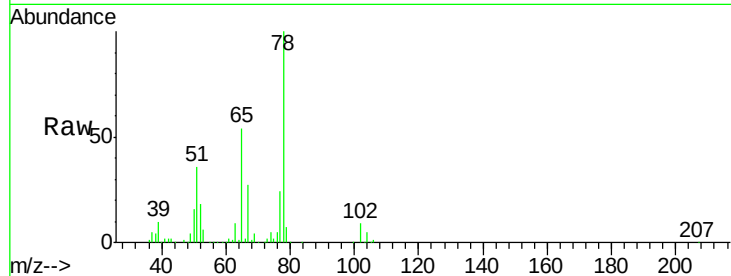
#33
 1,2-Dichloroethane-d4
 Concen: 43.776 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	101.4	

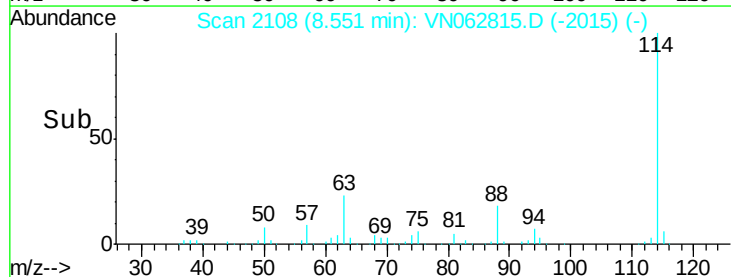
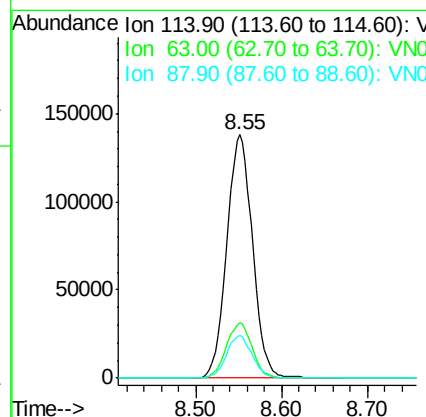
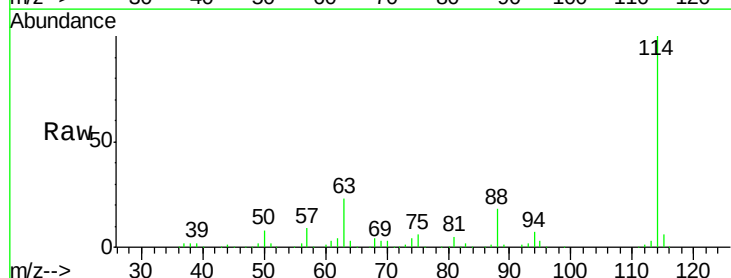
Manual Integrations
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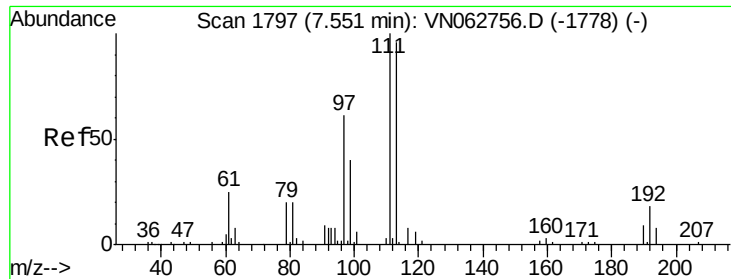
sam
 8/11/2020 3:24:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	47.6	
88	17.5	0.0	34.4	





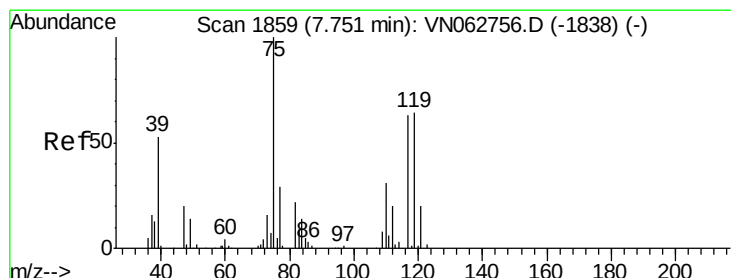
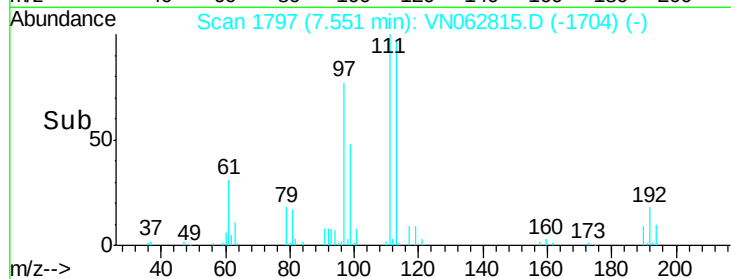
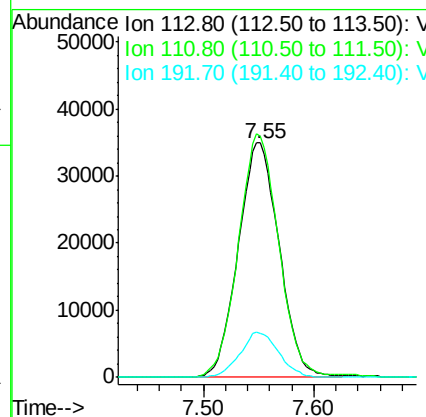
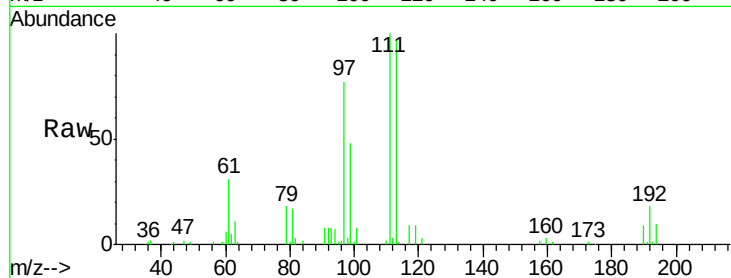
#35
 Dibromofluoromethane
 Concen: 45.743 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89759		
111	102.1		81.8	122.6
192	18.2		15.0	22.4

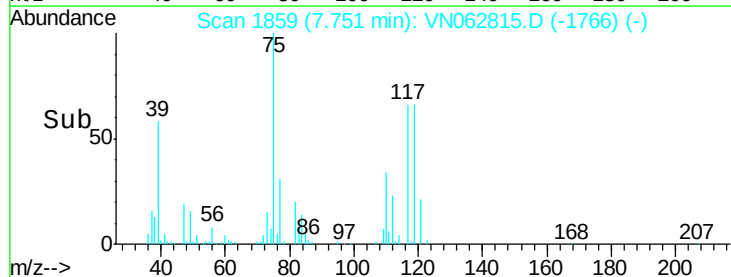
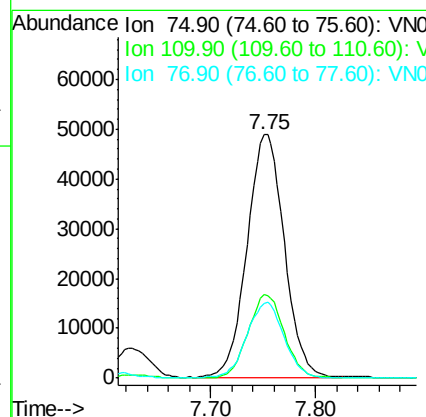
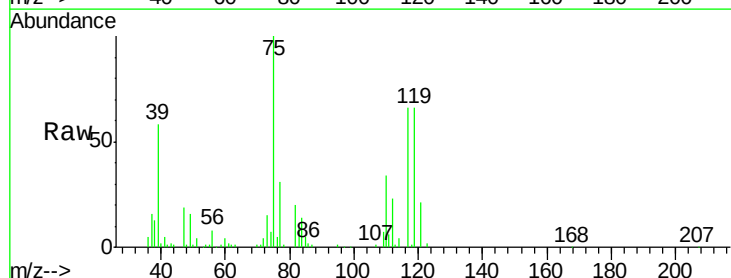
Manual Integrations
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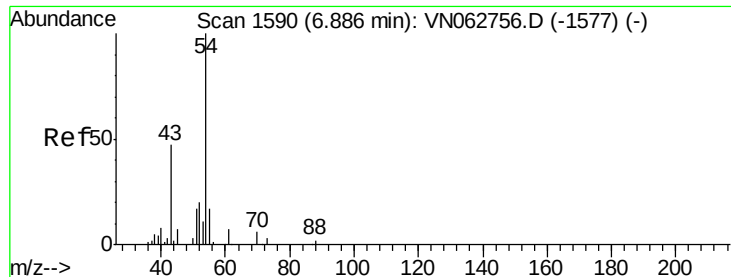
sam
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#36
 1,1-Dichloropropene
 Concen: 42.899 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119823		
110	33.5		15.6	46.7
77	31.3		24.1	36.1





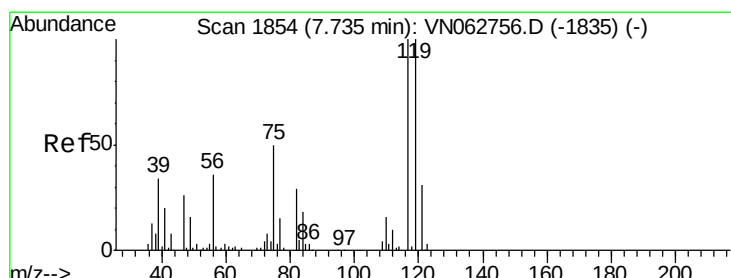
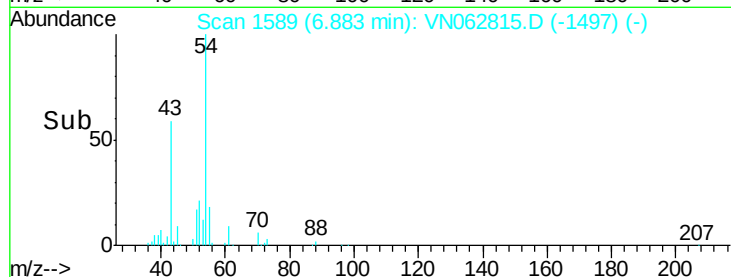
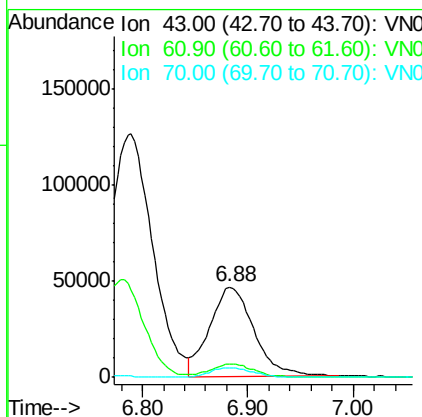
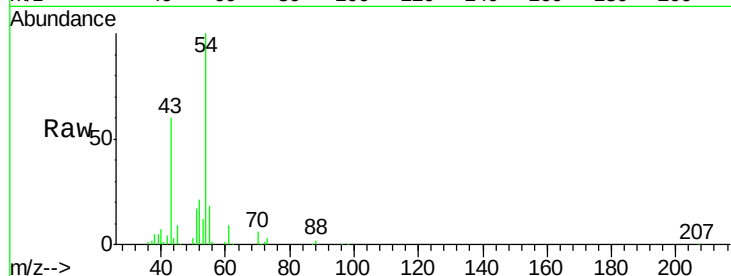
#37
Ethyl Acetate
Concen: 46.312 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.1	18.1
70	10.3	8.3	12.5

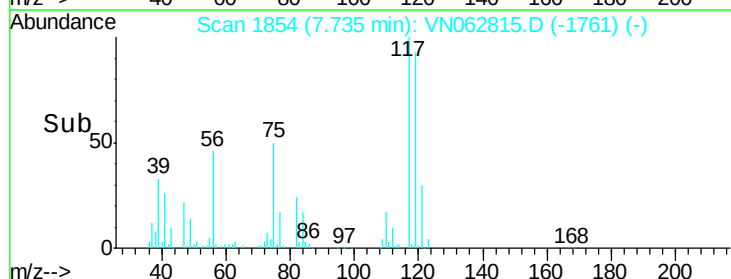
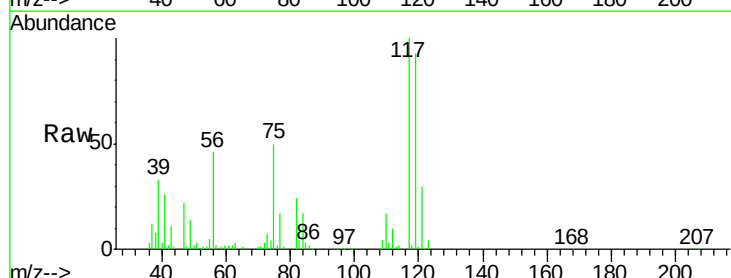
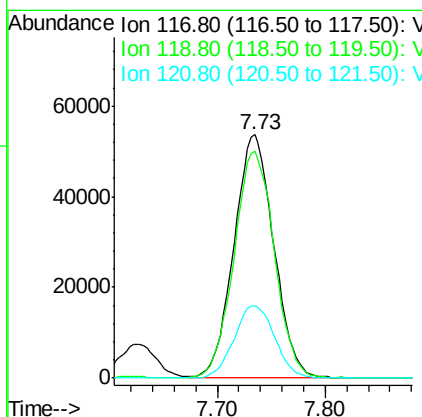
Manual Integrations
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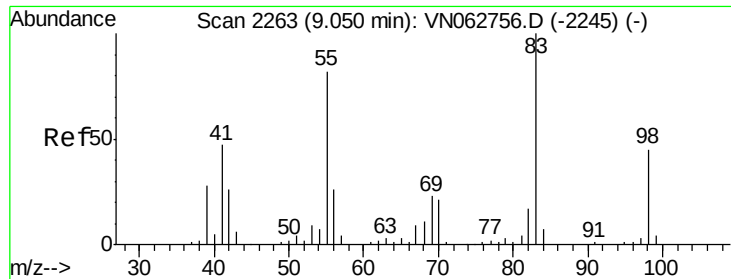
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#38
Carbon Tetrachloride
Concen: 41.449 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	79.4	119.2
121	29.7	24.9	37.3





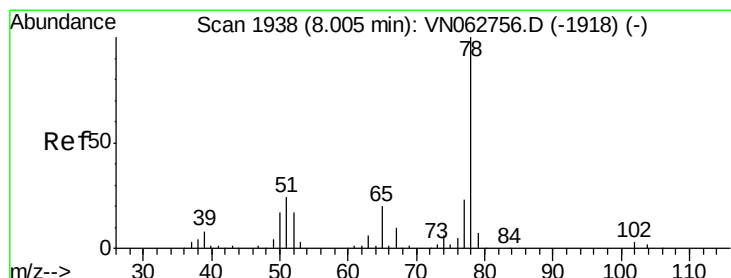
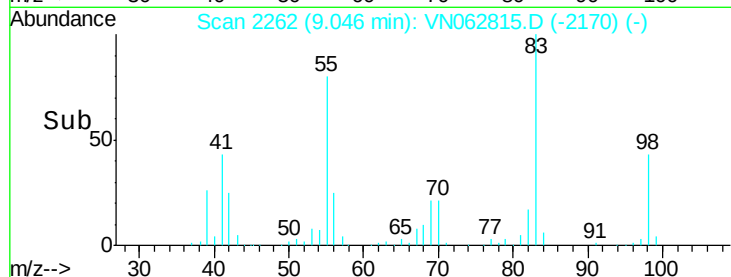
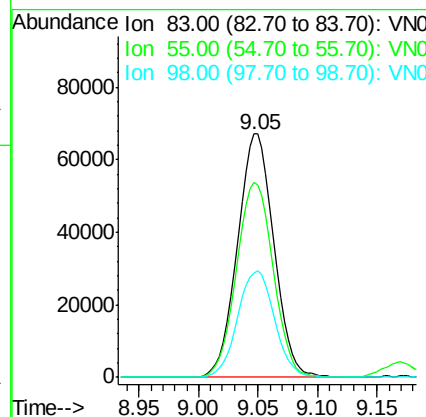
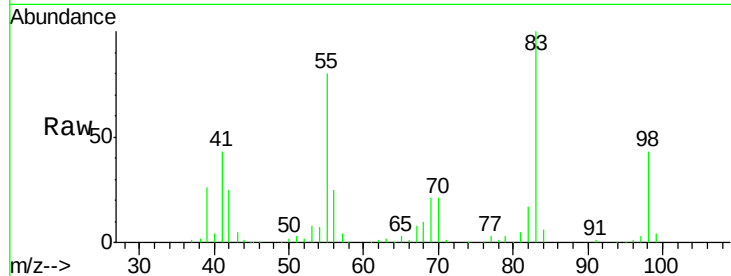
#39
Methylvlcyclohexane
Concen: 42.357 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.3	65.7	98.5	
98	43.0	35.6	53.4	

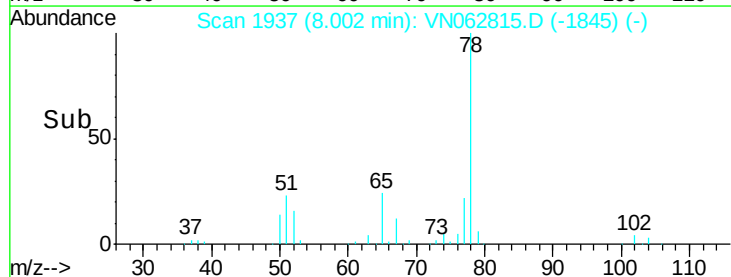
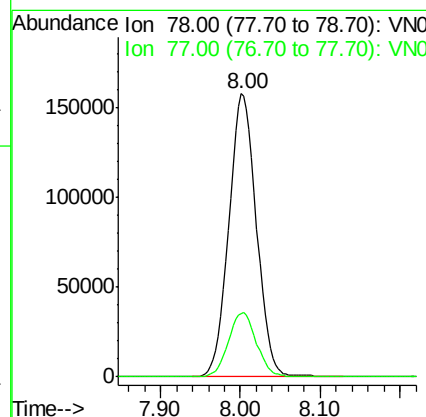
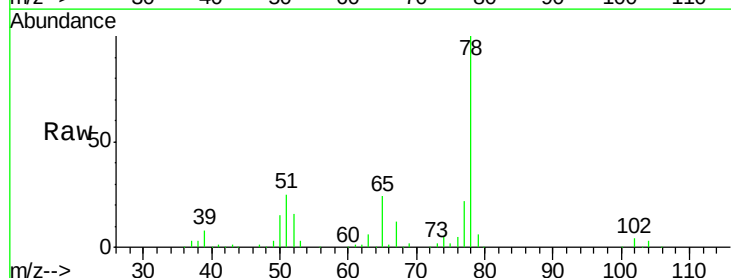
Manual Integrations
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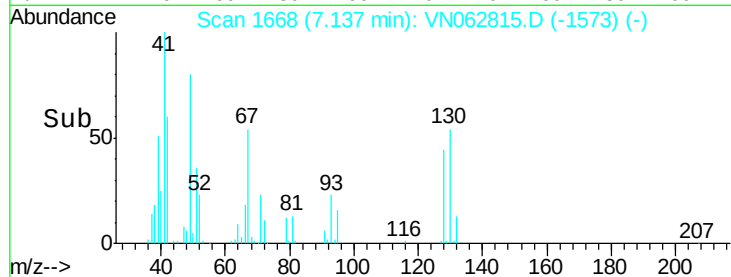
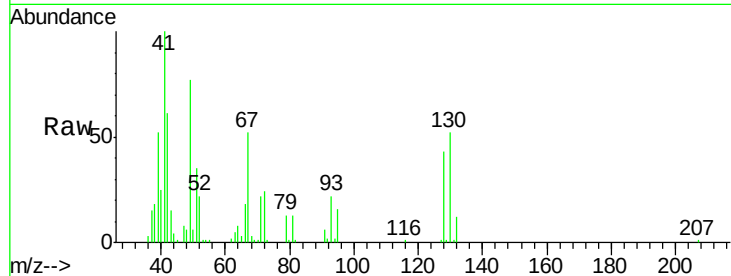
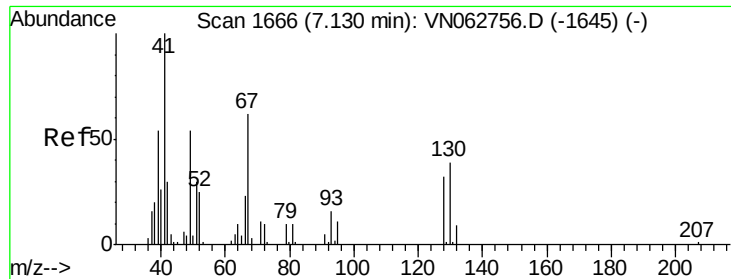
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#40
Benzene
Concen: 44.741 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.4	18.1	27.1	





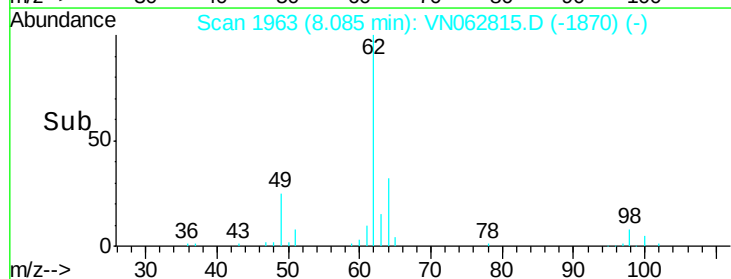
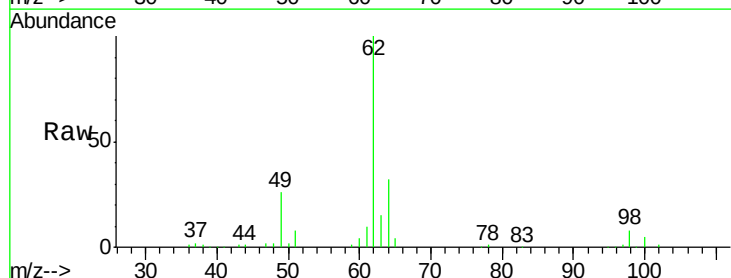
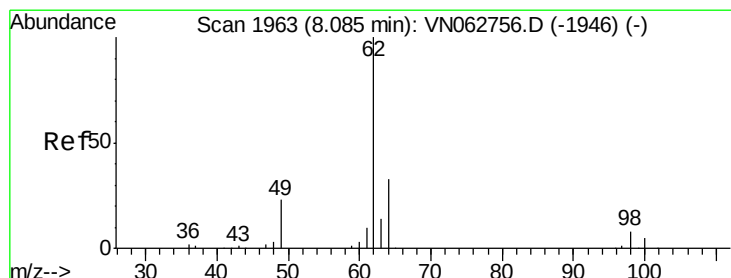
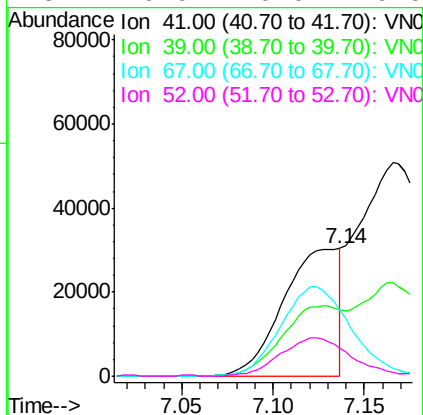
#41
Methacrylonitrile
Concen: 49.847 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	69.4	104.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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

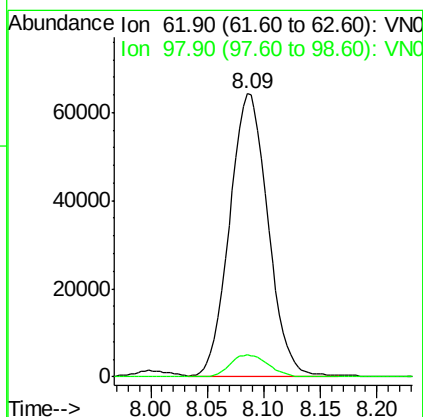
Manual Integrations
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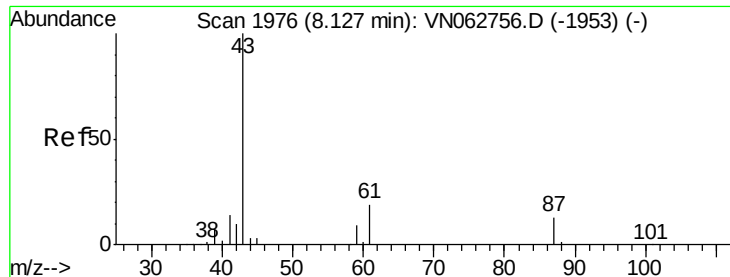
sam
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#42
1,2-Dichloroethane
Concen: 42.532 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





#43

Isopropyl Acetate

Concen: 46.092 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

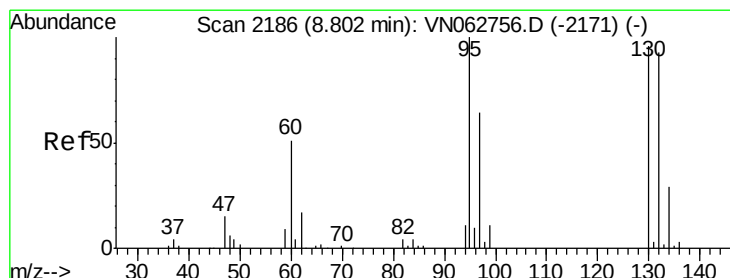
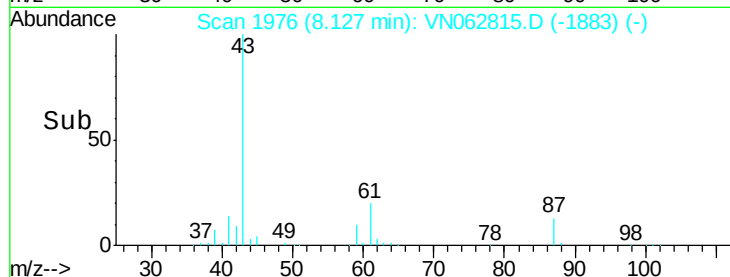
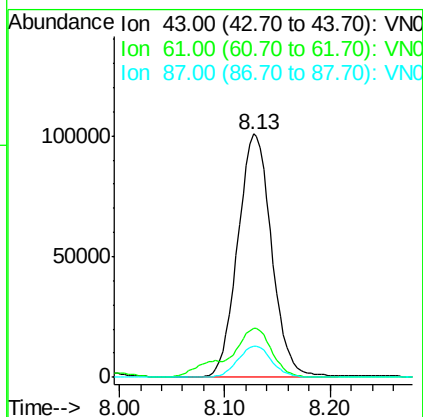
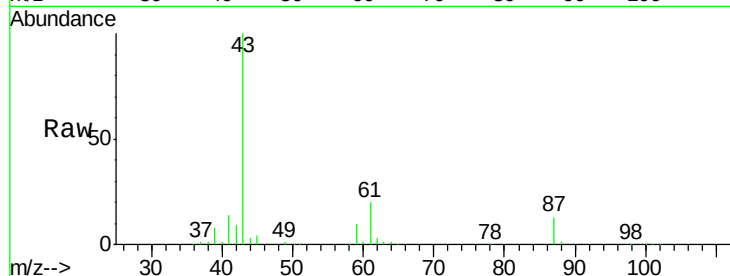
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	43	Resp:	224312
Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.8	23.6
87	12.9	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 43.103 ug/l

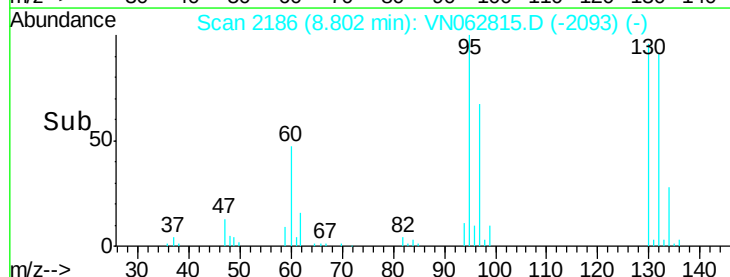
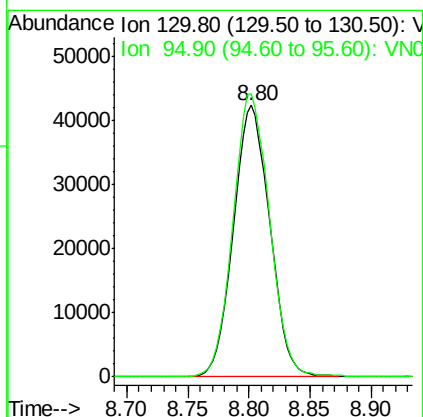
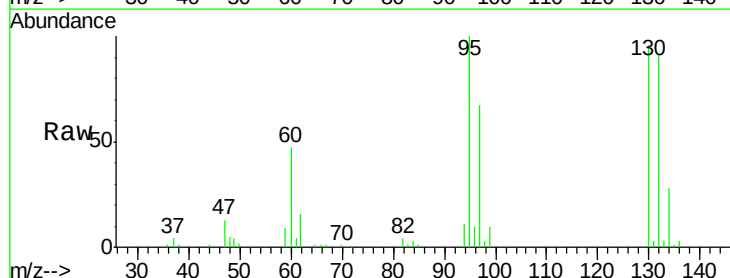
RT: 8.80 min Scan# 2186

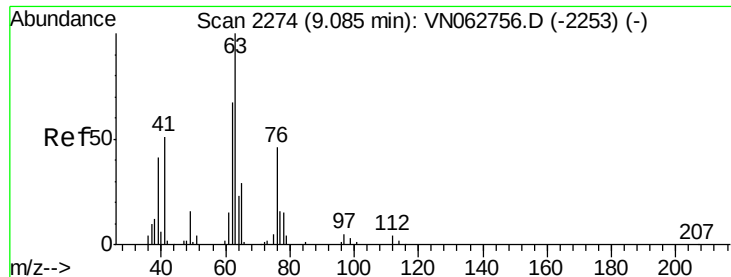
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	130	Resp:	87526
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	207.6





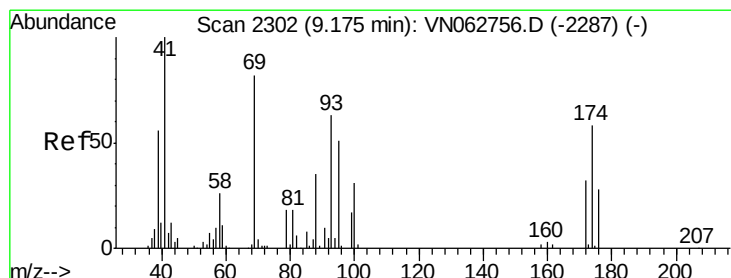
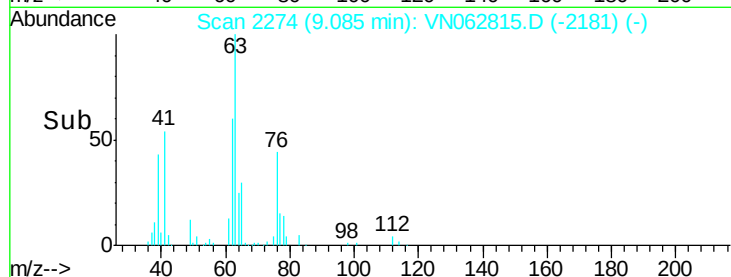
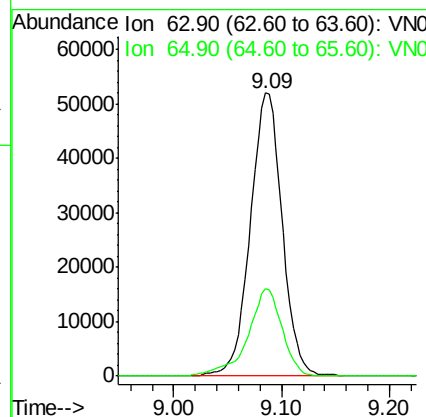
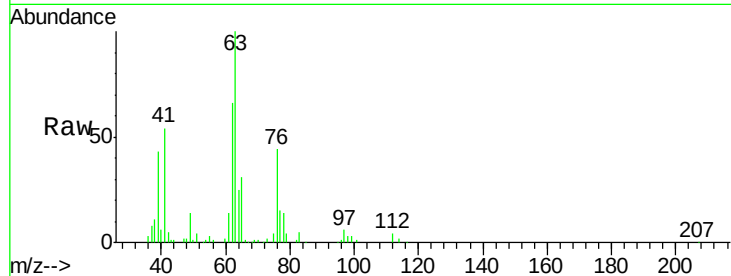
#45
 1,2-Dichloropropane
 Concen: 47.312 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.5	35.3

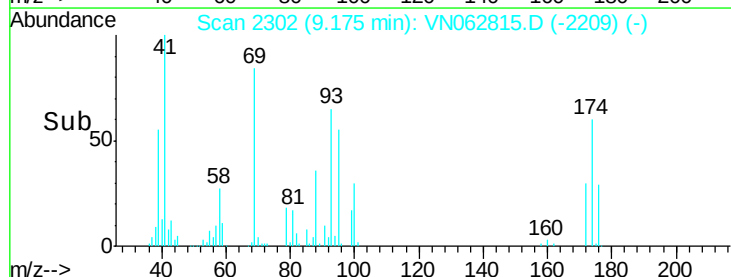
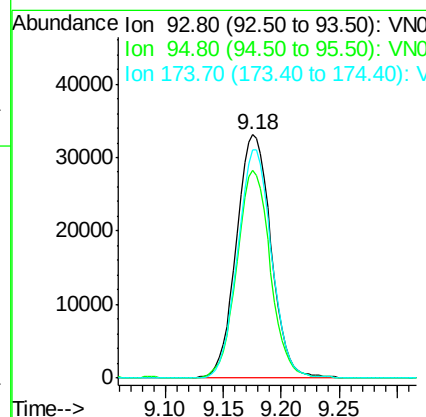
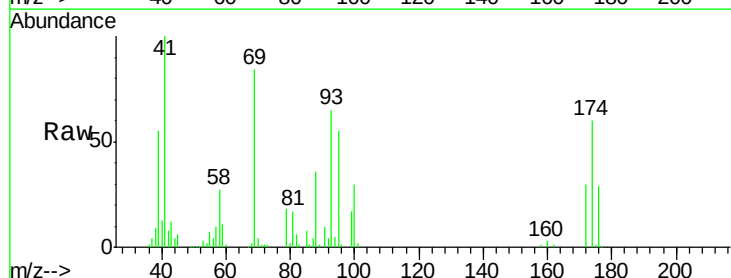
Manual Integrations
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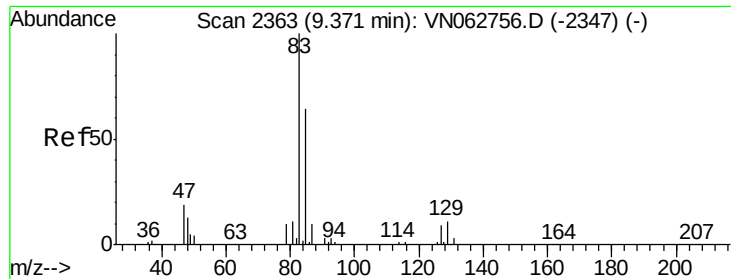
sam
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#46
 Dibromomethane
 Concen: 46.657 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.1	97.7
174	91.6	73.9	110.9





#47

Bromodichloromethane

Concen: 45.511 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

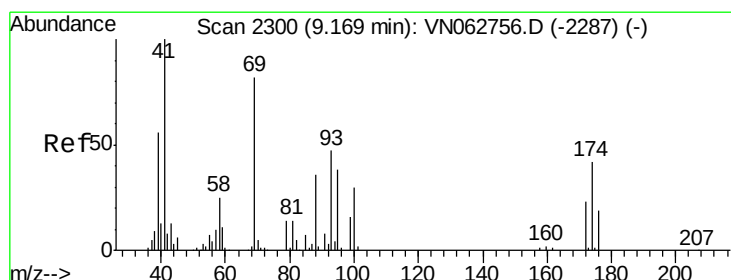
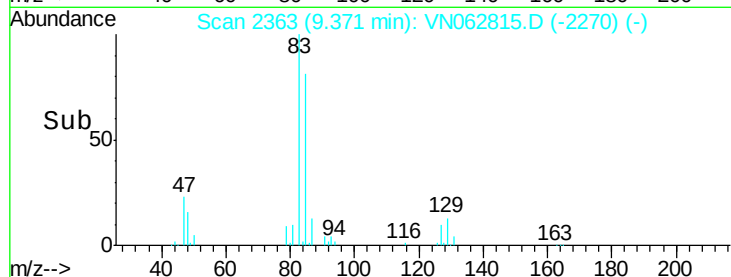
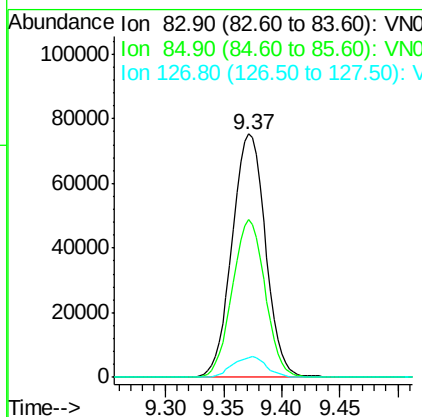
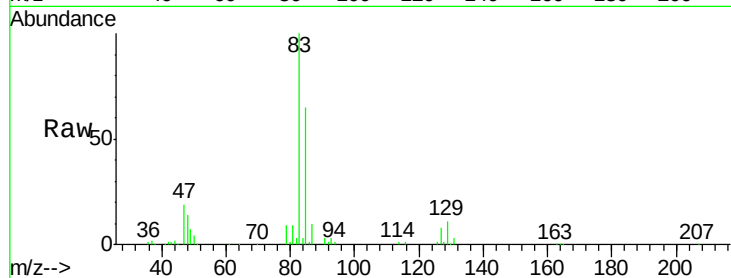
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	83	Resp:	151081
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.4	77.0
127	8.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.095 ug/l

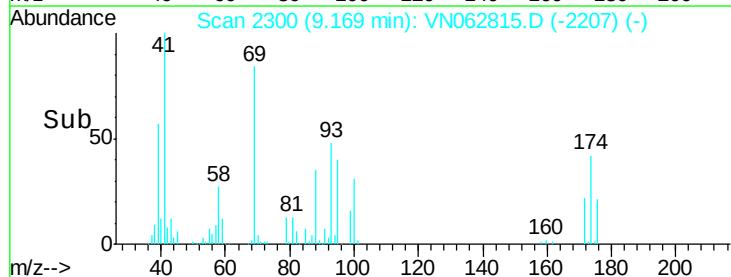
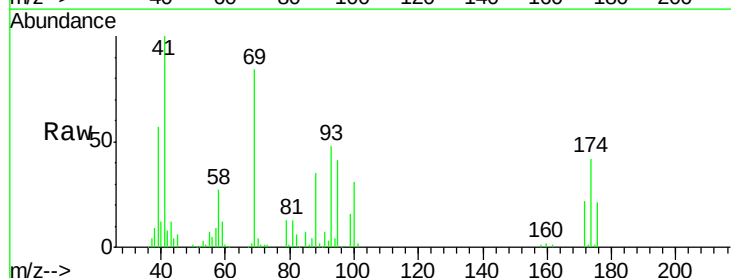
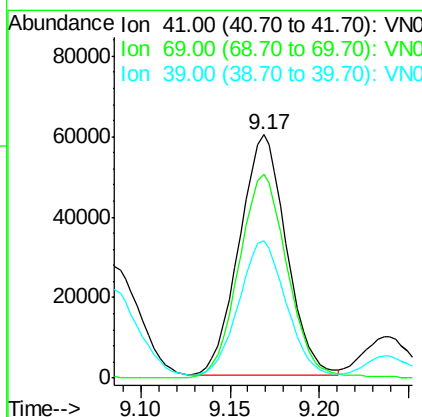
RT: 9.17 min Scan# 2300

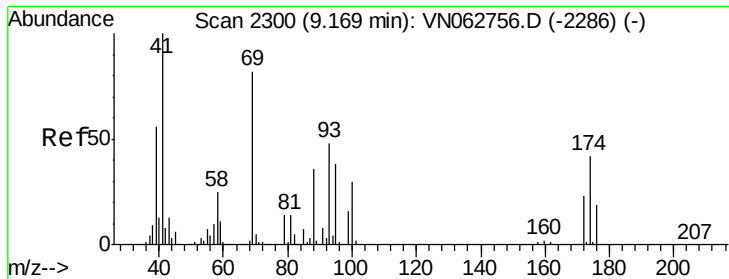
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	41	Resp:	110338
Ion Ratio	Lower	Upper	
41	100		
69	87.7	67.4	101.2
39	58.7	47.6	71.4





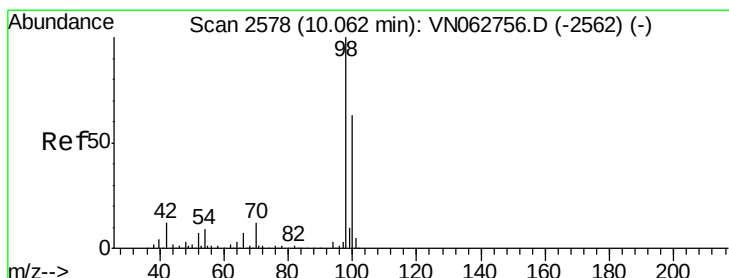
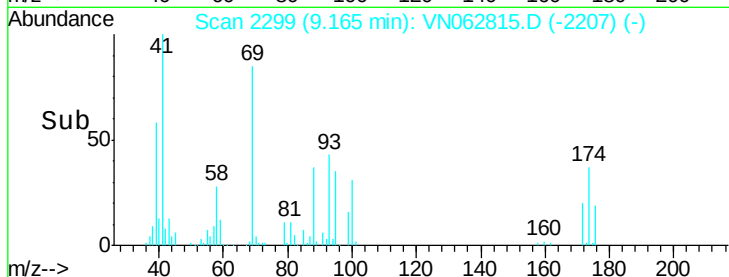
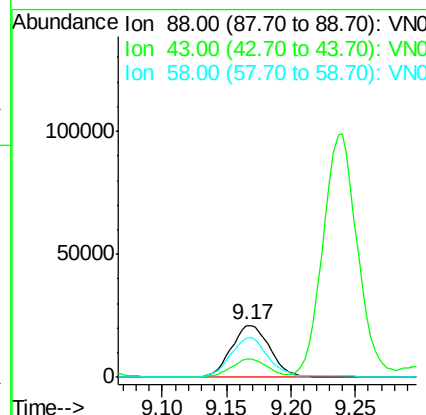
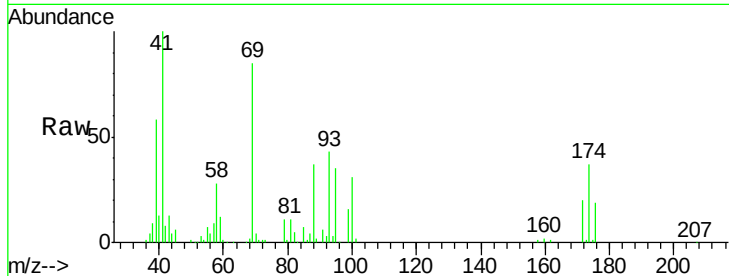
#49
 1,4-Dioxane
 Concen: 997.688 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	29.5	44.3
58	74.3	59.8	89.8

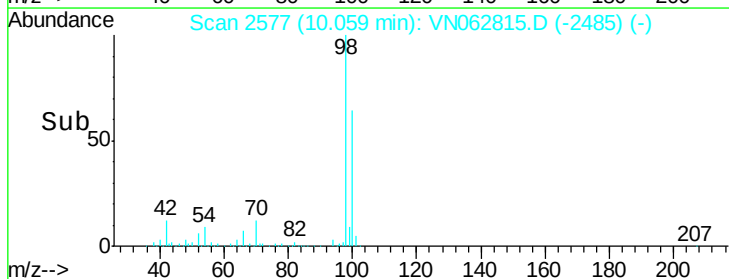
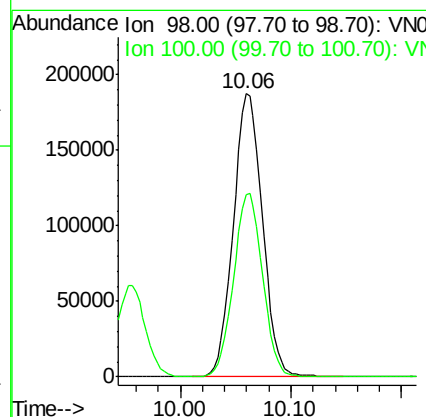
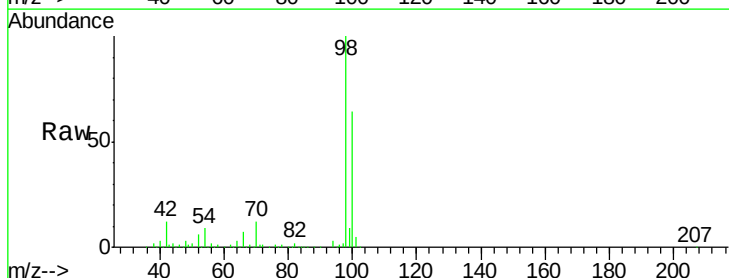
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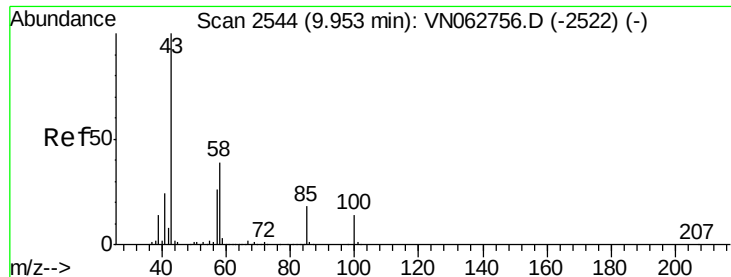
sam
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#50
 Toluene-d8
 Concen: 44.885 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





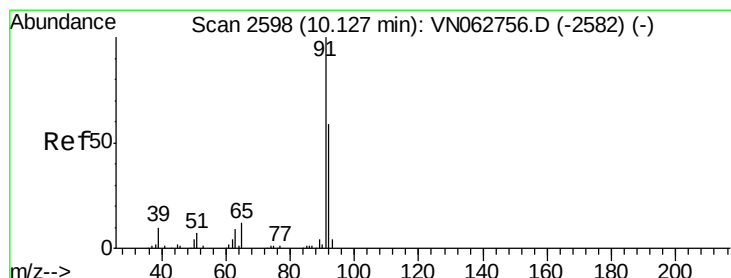
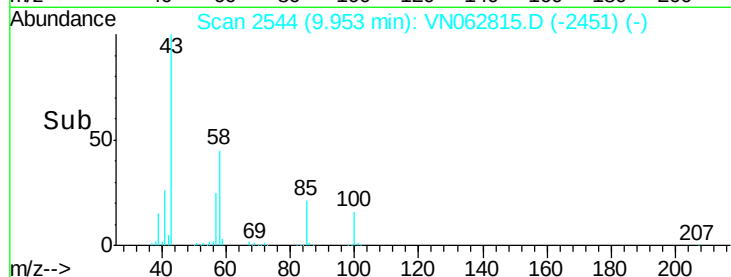
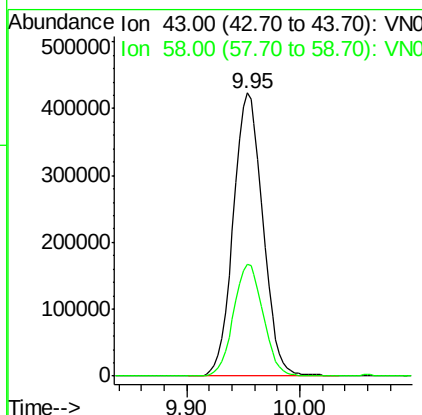
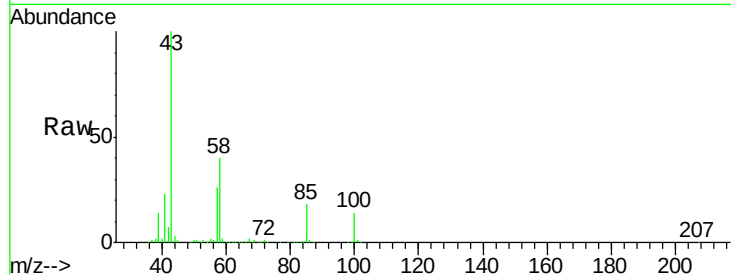
#51
 4-Methyl-2-Pentanone
 Concen: 244.870 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.1	46.7

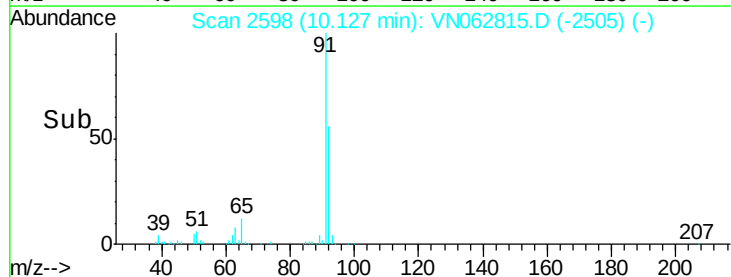
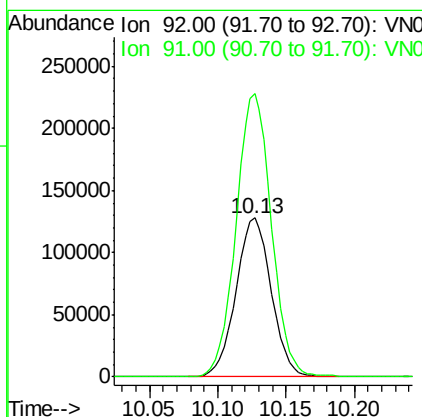
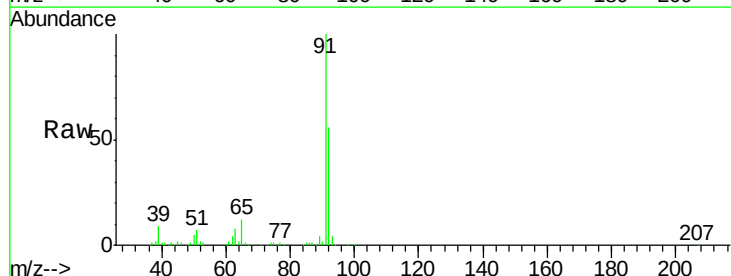
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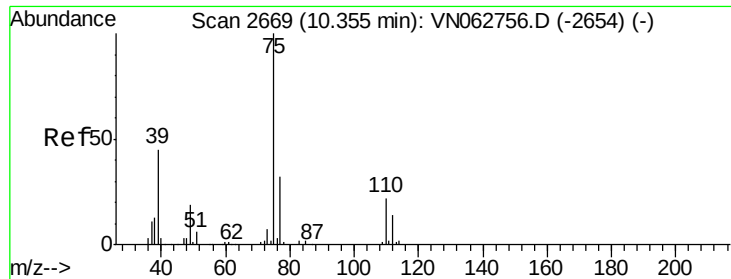
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#52
 Toluene
 Concen: 44.668 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	178.7	138.9	208.3





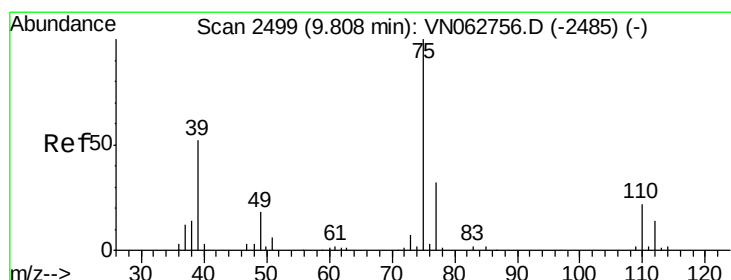
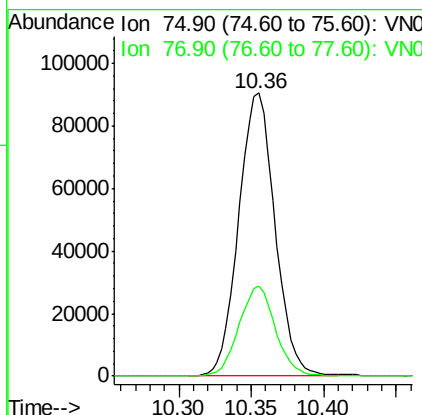
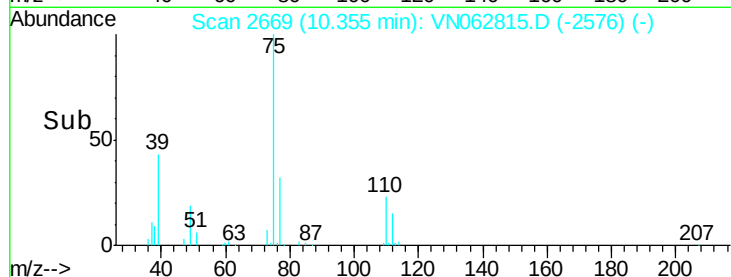
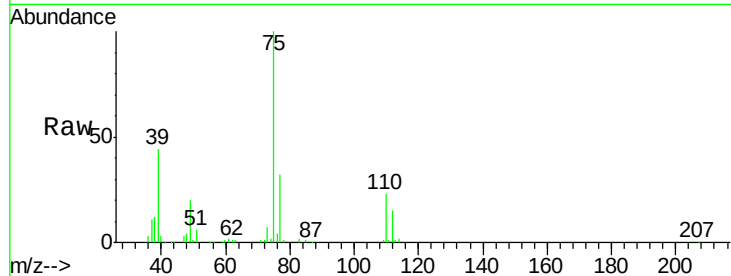
#53
t-1,3-Dichloropropene
Concen: 43.297 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	31.8	25.4	38.2	

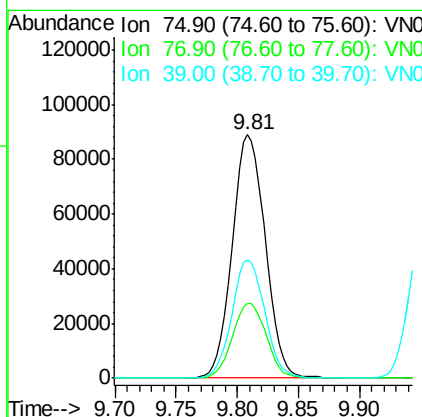
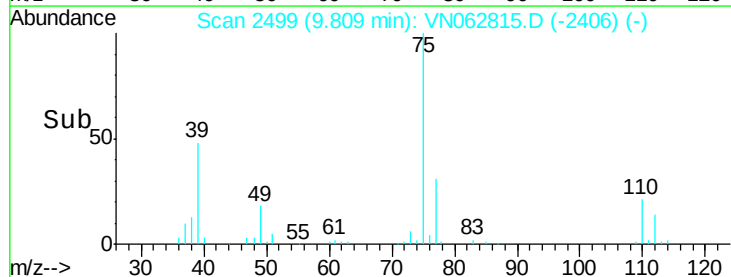
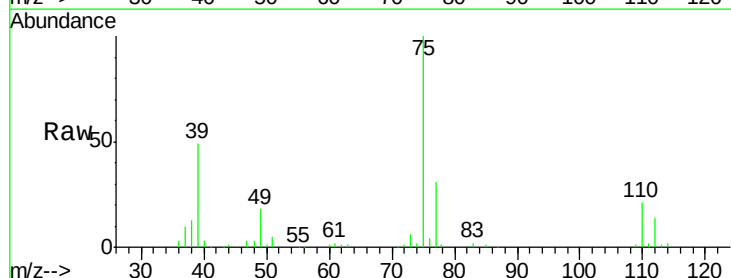
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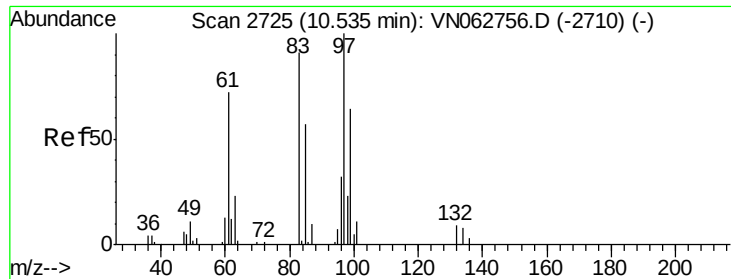
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#54
cis-1,3-Dichloropropene
Concen: 45.663 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ion	Ratio	Lower	Upper
75	100			
77	30.8	25.5	38.3	
39	48.6	41.9	62.9	





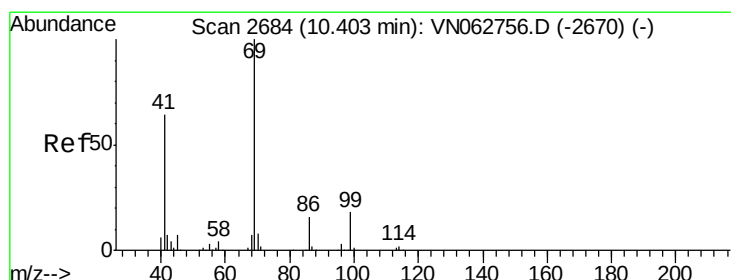
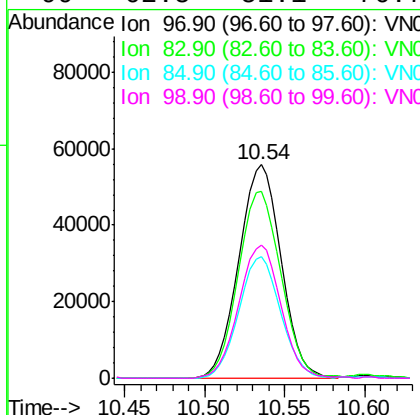
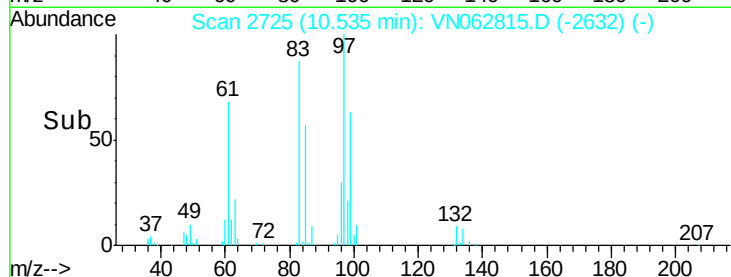
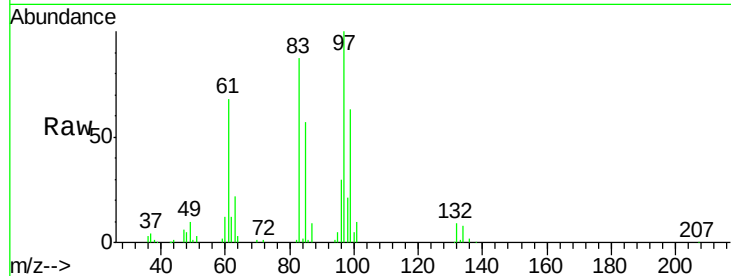
#55
 1,1,2-Trichloroethane
 Concen: 45.878 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion:	97	Resp:	100835
Ion	Ratio	Lower	Upper
97	100		
83	87.4	72.6	108.8
85	56.7	46.0	69.0
99	62.5	51.1	76.7

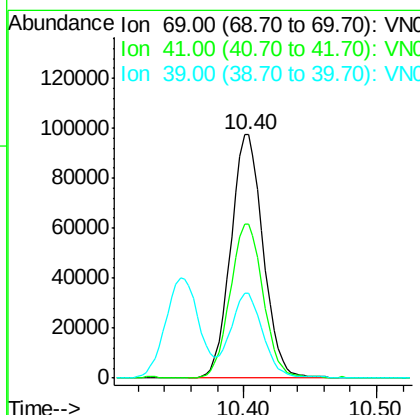
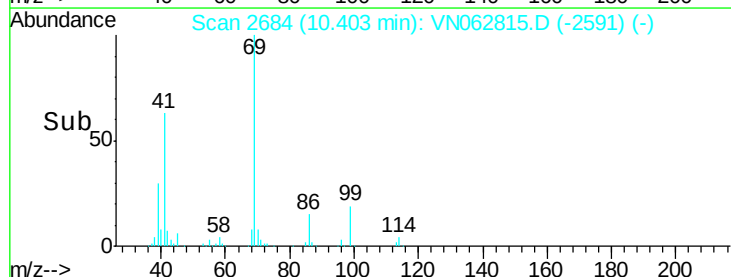
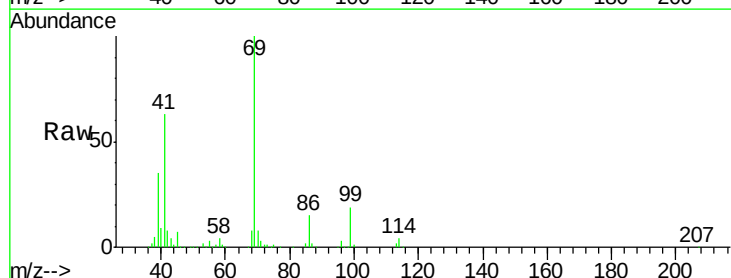
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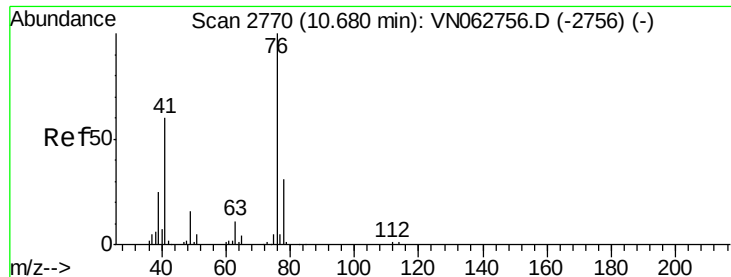
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#56
 Ethyl methacrylate
 Concen: 49.983 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion:	69	Resp:	165356
Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.2	78.2
39	35.6	30.9	46.3





#57

1,3-Dichloropropane

Concen: 46.660 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion: 76 Resp: 174251

Ion Ratio Lower Upper

76 100

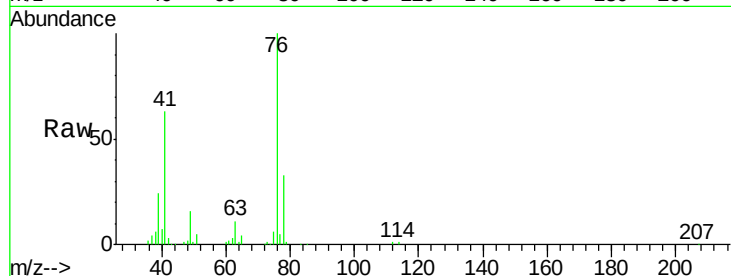
78 32.5 25.4 38.0

Manual Integrations

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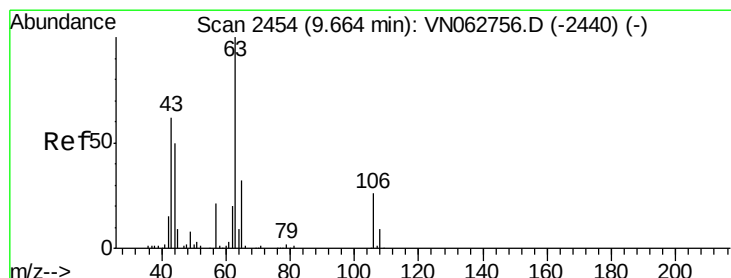
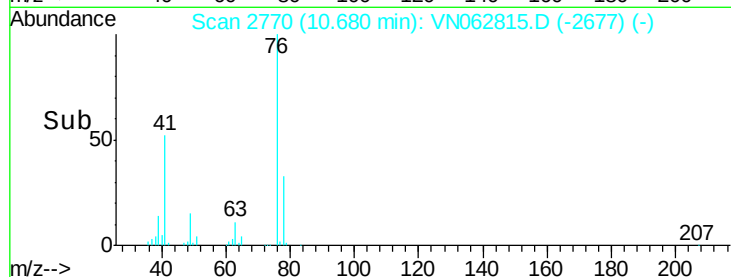
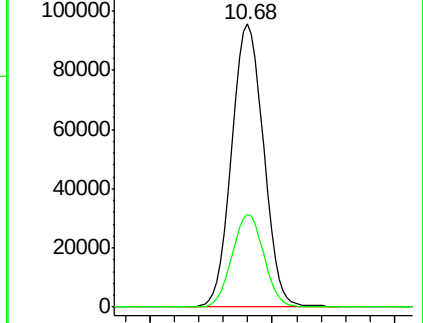
sam

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 241.892 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062815.D

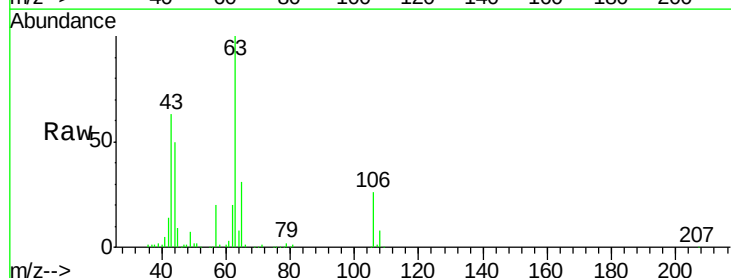
Acq: 10 Aug 2020 17:48

Tgt Ion: 63 Resp: 226197

Ion Ratio Lower Upper

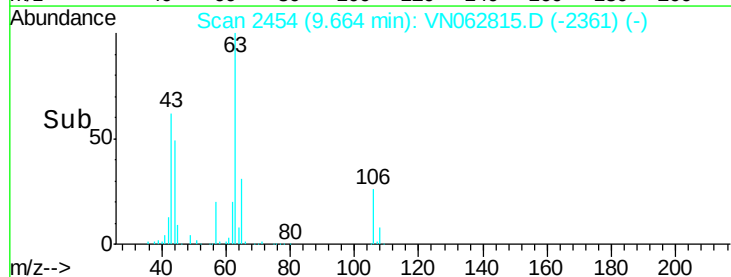
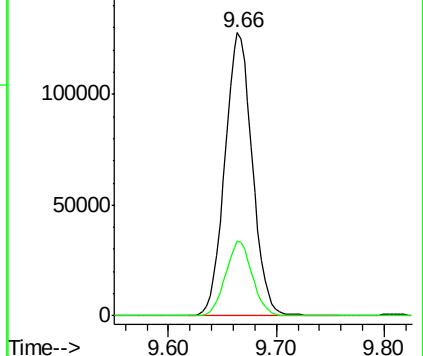
63 100

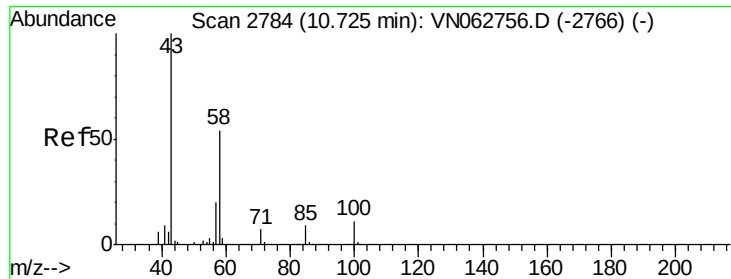
106 25.8 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





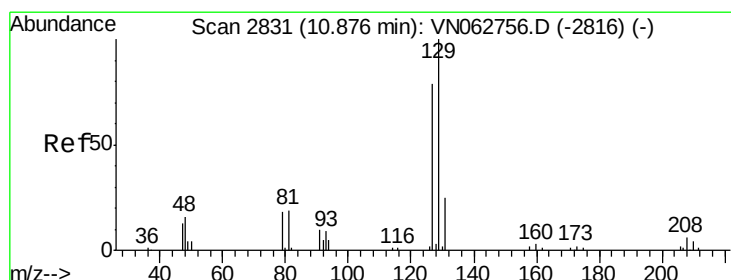
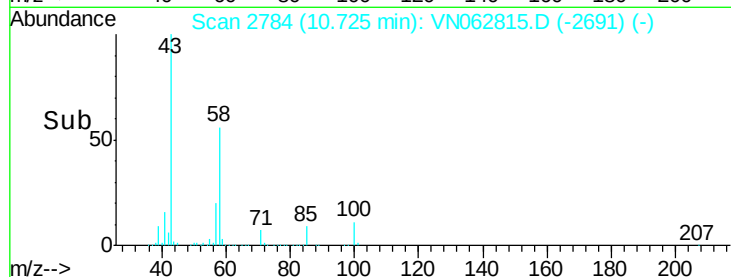
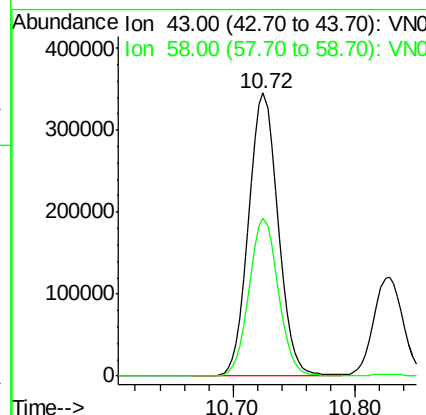
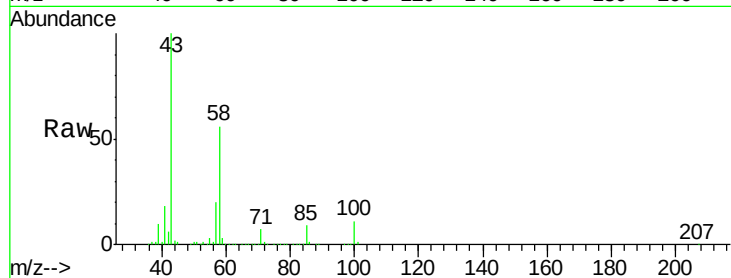
#59
2-Hexanone
Concen: 244.165 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion: 43 Resp: 573501
Ion Ratio Lower Upper
43 100
58 55.3 26.7 80.1

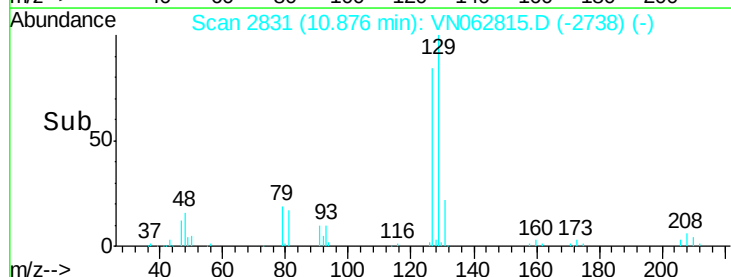
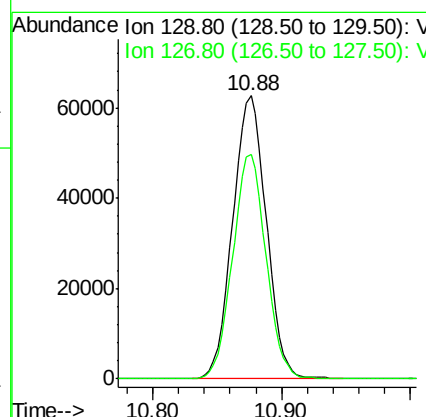
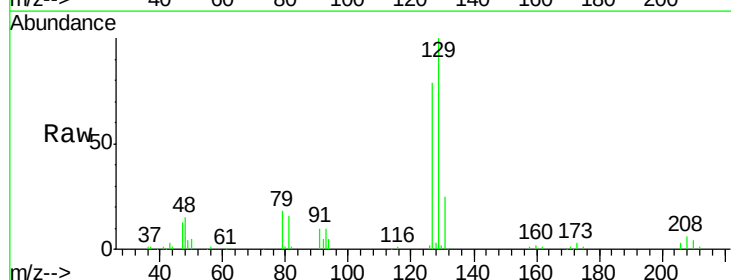
Manual Integrations
APPROVED

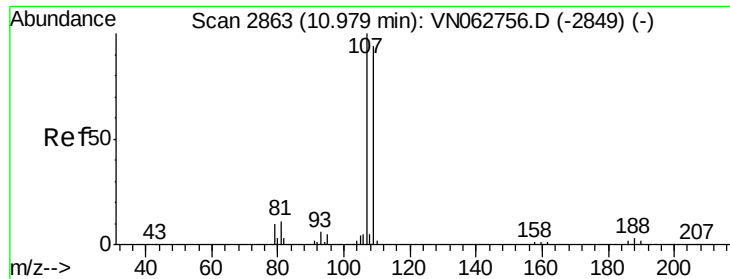
sam
8/11/2020 3:24:58 PM



#60
Dibromochloromethane
Concen: 45.224 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion: 129 Resp: 113429
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





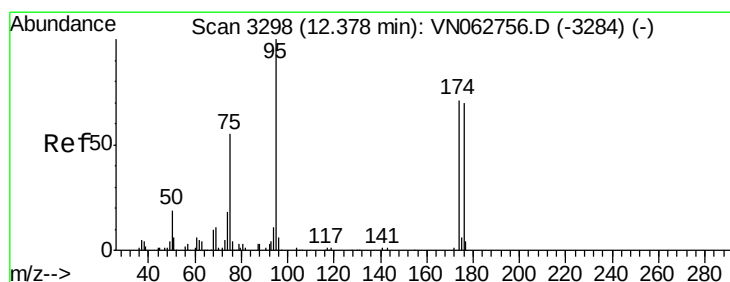
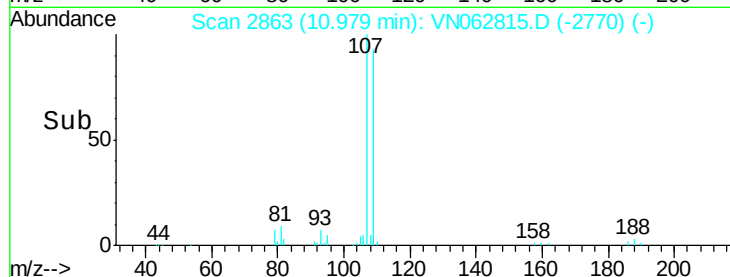
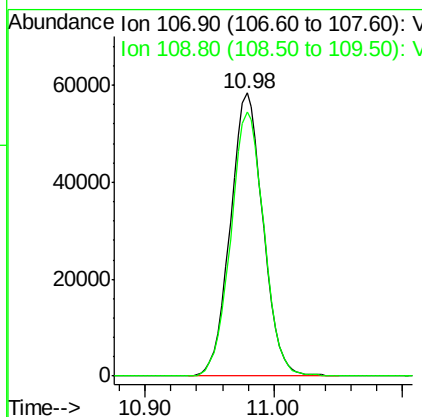
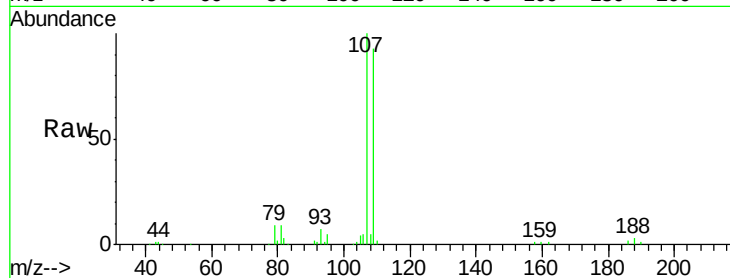
#61
 1,2-Dibromoethane
 Concen: 47.287 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100	102554		
109	94.7	76.1	114.1	

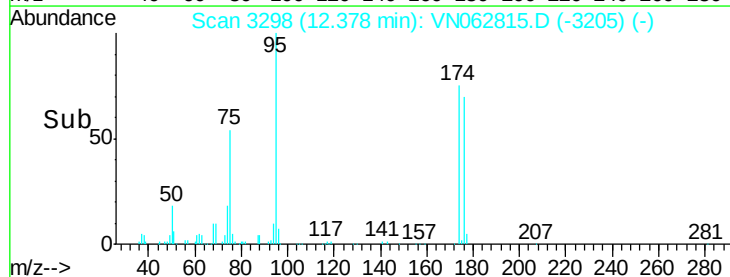
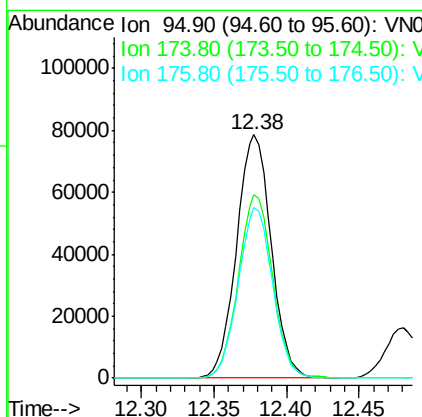
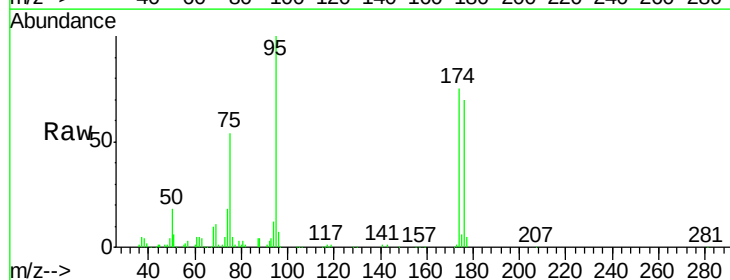
Manual Integrations
 APPROVED

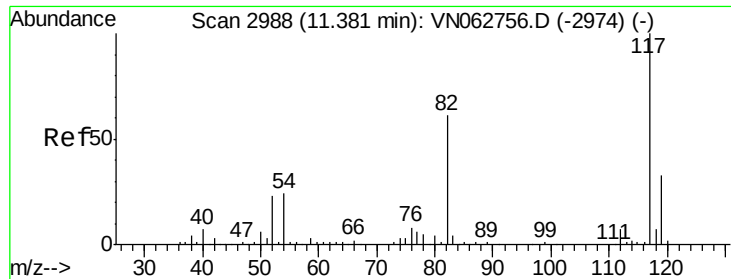
sam
 8/11/2020 3:24:58 PM



#62
 4-Bromofluorobenzene
 Concen: 45.194 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	130837		
174	74.5	0.0	144.8	
176	69.3	0.0	142.2	





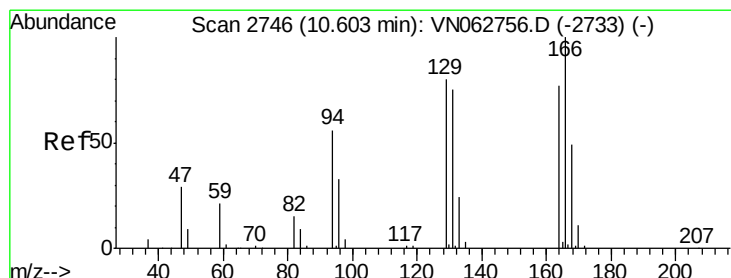
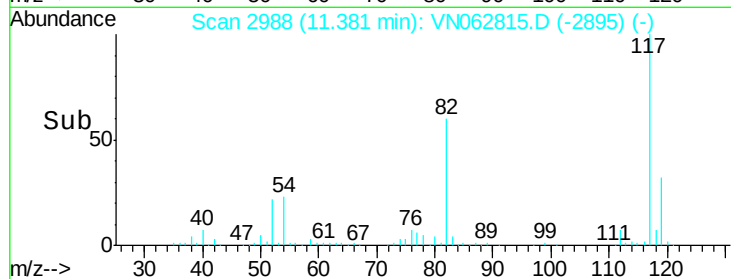
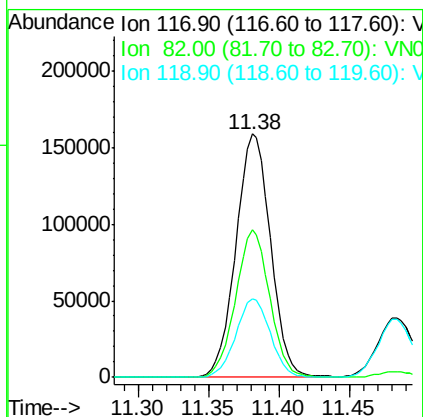
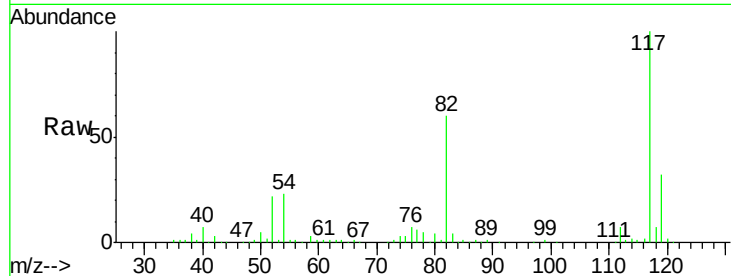
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	49.0	73.4
119	32.3	26.2	39.2

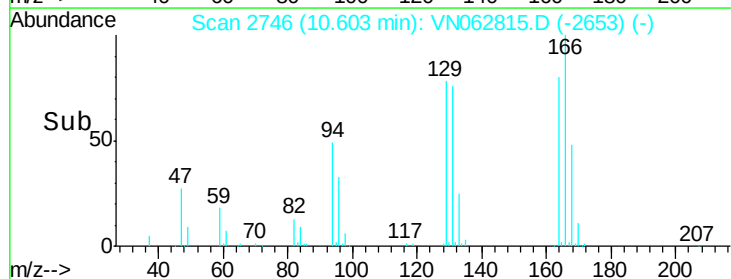
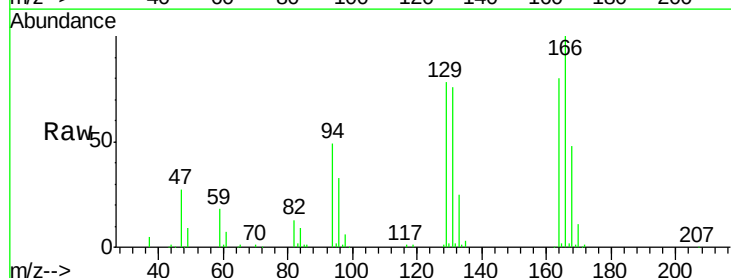
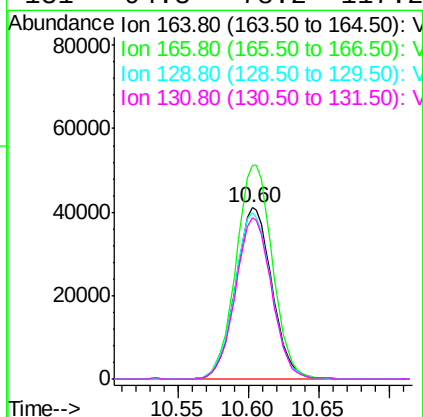
Manual Integrations
APPROVED

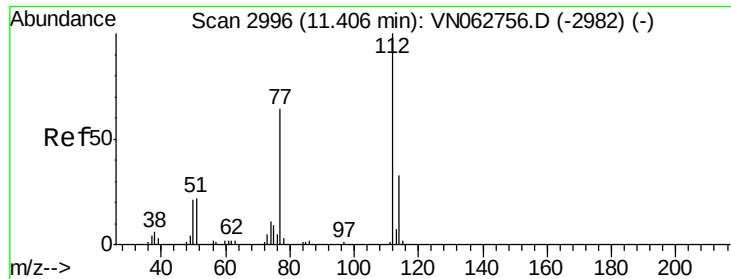
sam
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#64
Tetrachloroethene
Concen: 41.809 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.8	155.8
129	97.4	82.7	124.1
131	94.3	78.2	117.2





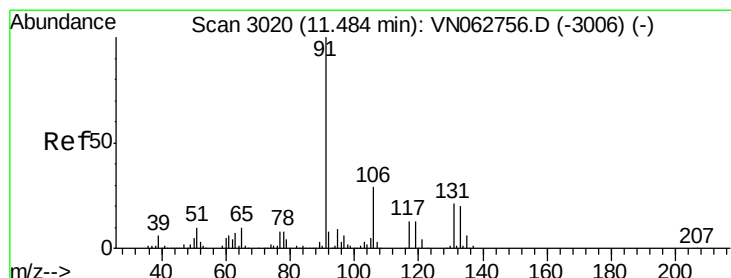
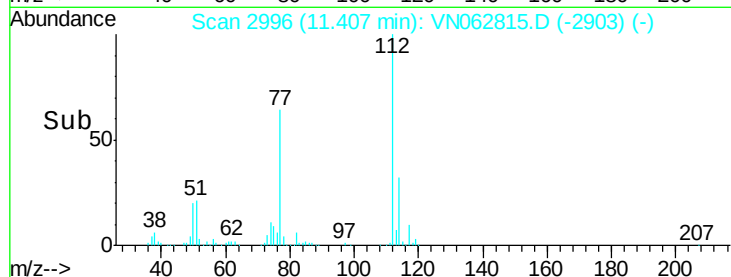
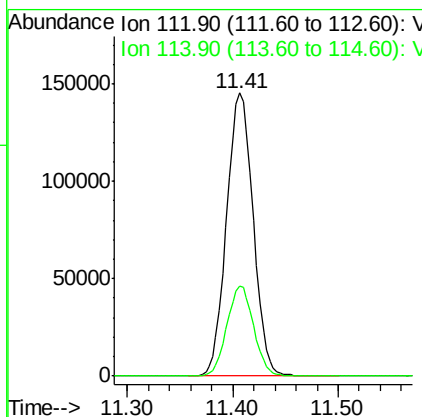
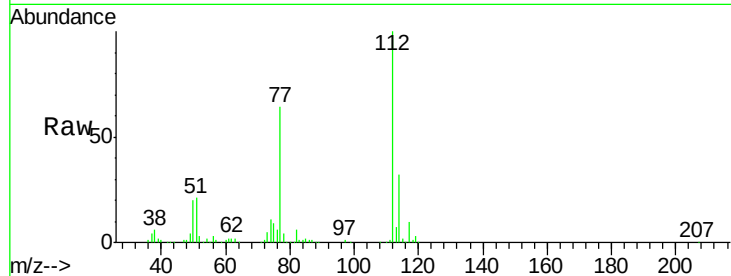
#65
Chlorobenzene
Concen: 44.344 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion:112 Resp: 254020
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

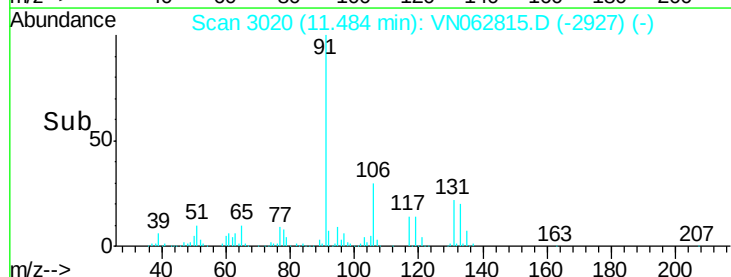
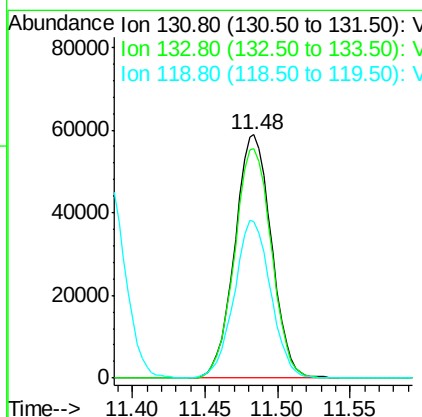
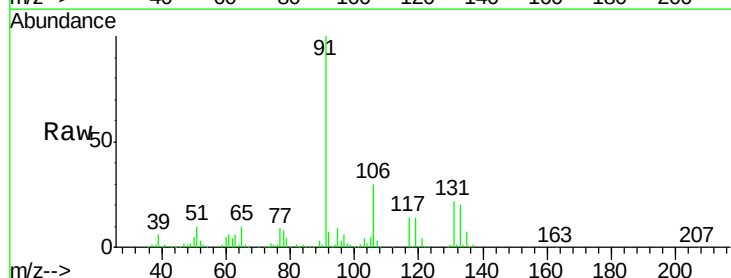
Manual Integrations
APPROVED

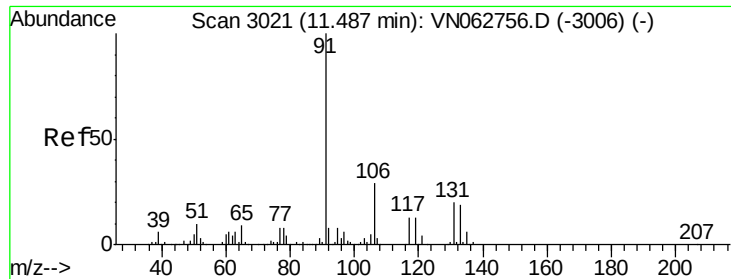
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.949 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion:131 Resp: 103400
Ion Ratio Lower Upper
131 100
133 95.0 48.6 145.8
119 64.4 32.2 96.6





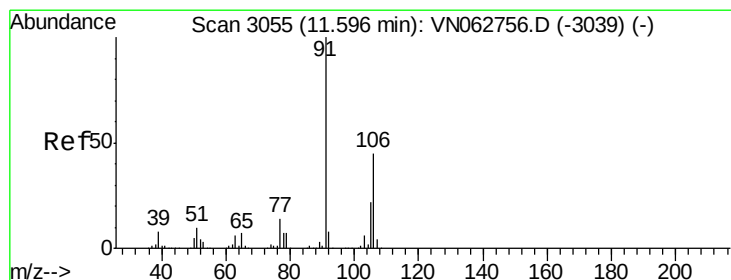
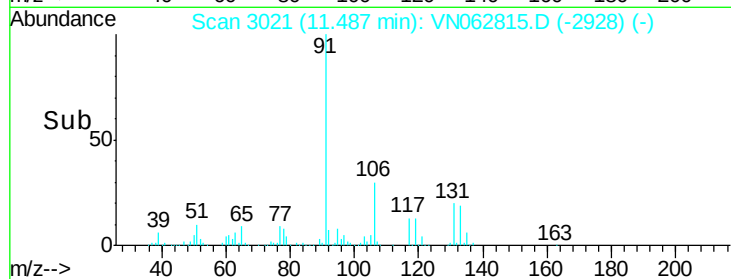
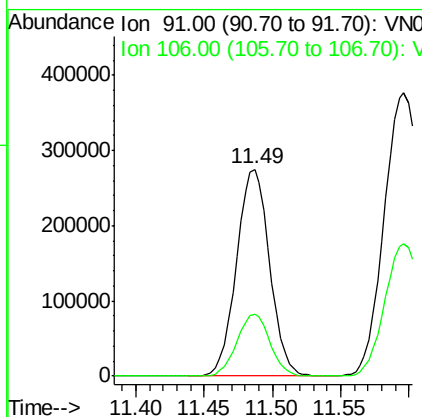
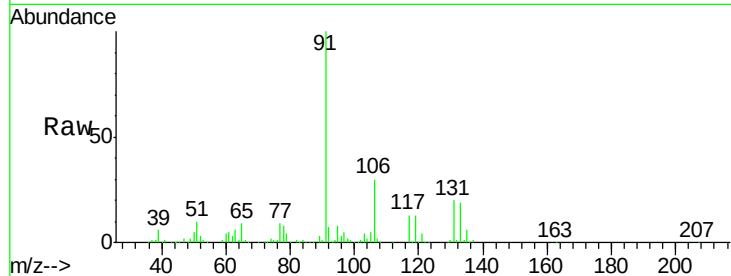
#67
Ethyl Benzene
Concen: 45.143 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.2	34.8

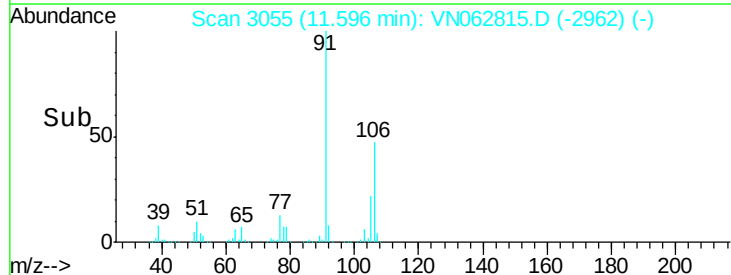
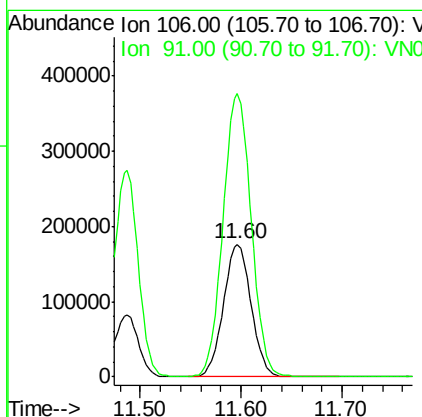
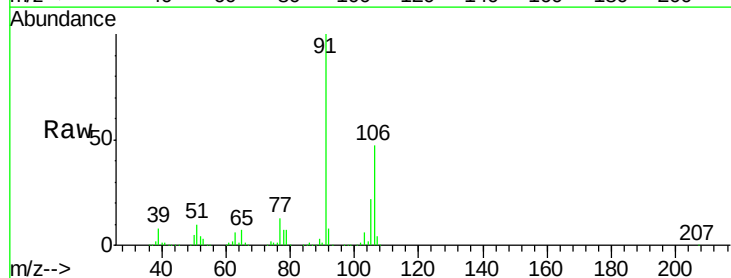
Manual Integrations
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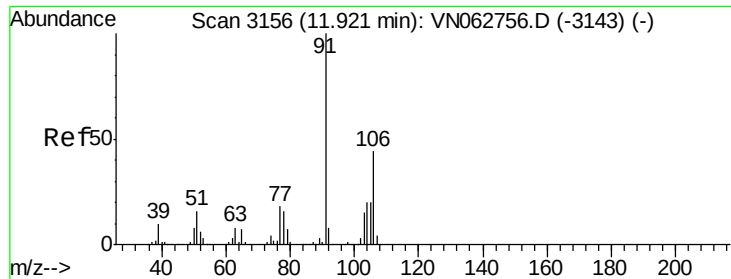
sam
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#68
m/p-Xylenes
Concen: 90.811 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.5	175.9	263.9





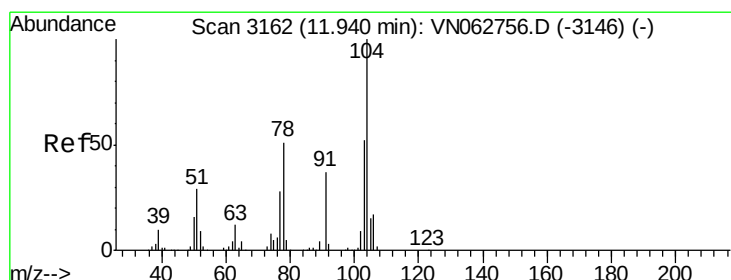
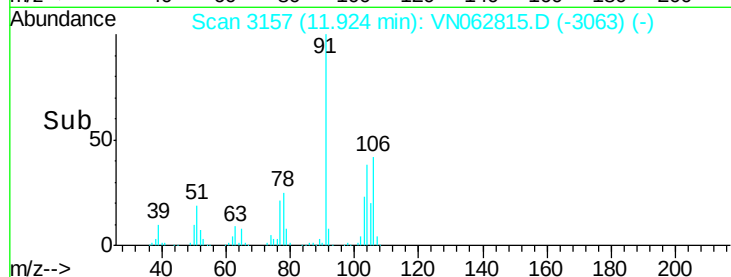
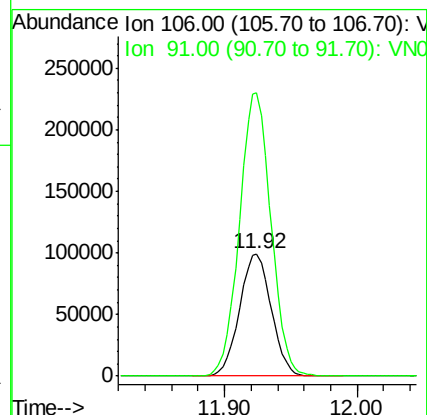
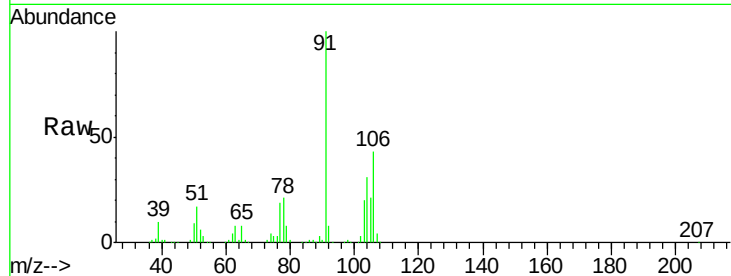
#69
o-Xylene
Concen: 47.405 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		165306		
91	229.1	115.8	347.4		

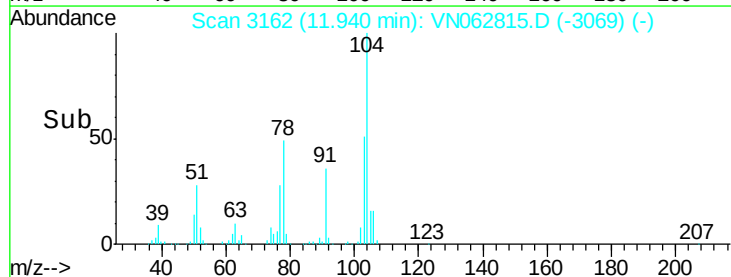
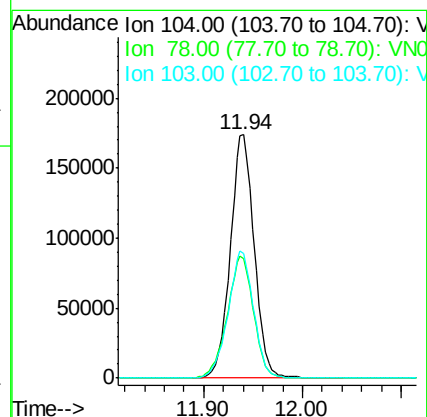
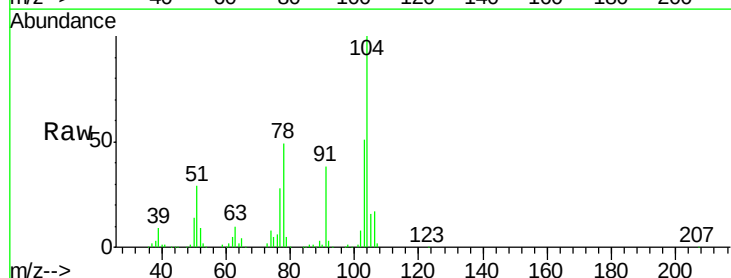
Manual Integrations
APPROVED

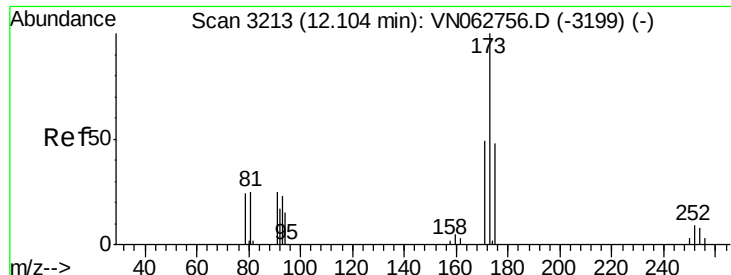
sam
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#70
Styrene
Concen: 48.181 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062815.D
Acq: 10 Aug 2020 17:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		295325		
78	54.9	45.9	68.9		
103	55.4	45.1	67.7		





#71

Bromoform

Concen: 44.266 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:173 Resp: 83314

Ion Ratio Lower Upper

173 100

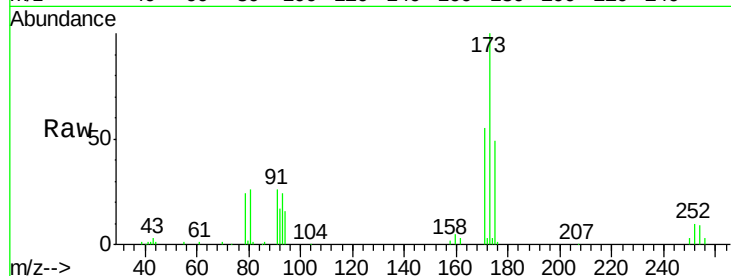
175 48.2 24.0 72.0

254 0.0 0.0 0.0

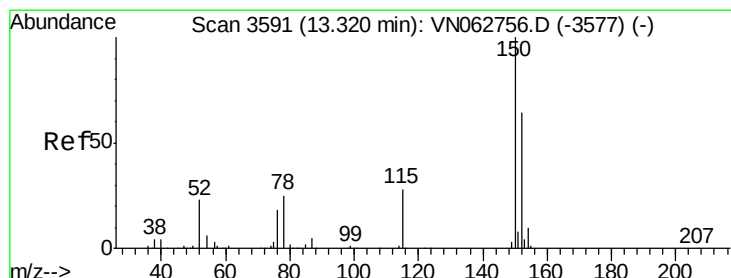
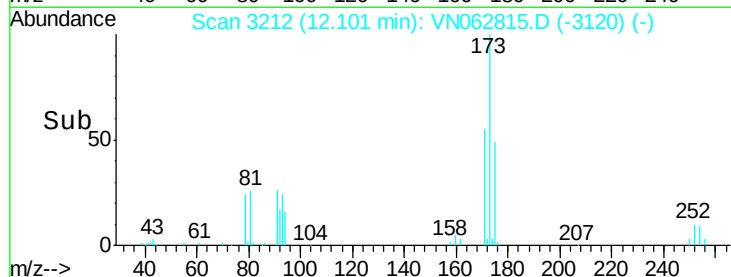
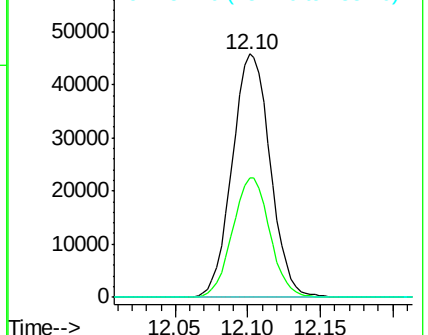
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

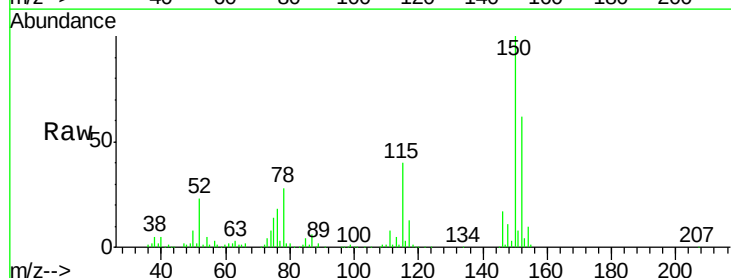
Tgt Ion:152 Resp: 130161

Ion Ratio Lower Upper

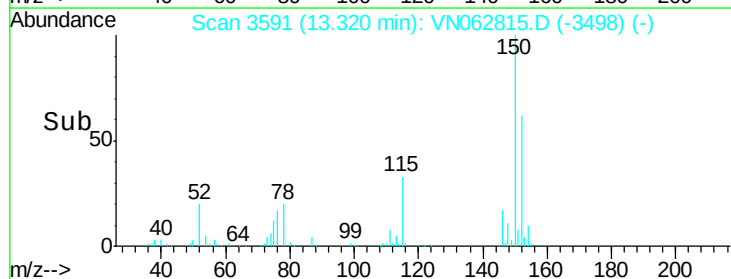
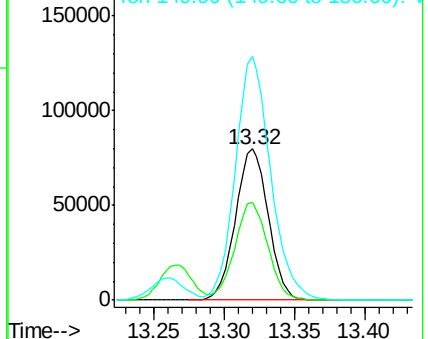
152 100

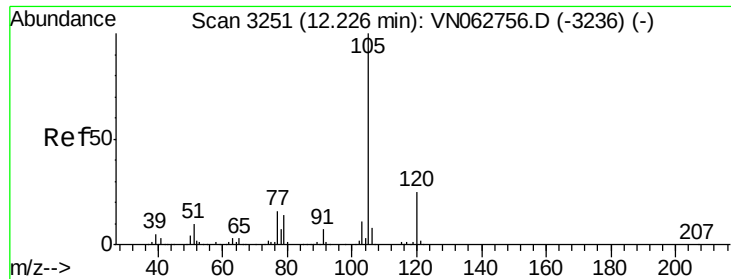
115 64.8 31.6 94.8

150 172.5 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.873 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:105 Resp: 459409

Ion Ratio Lower Upper

105 100

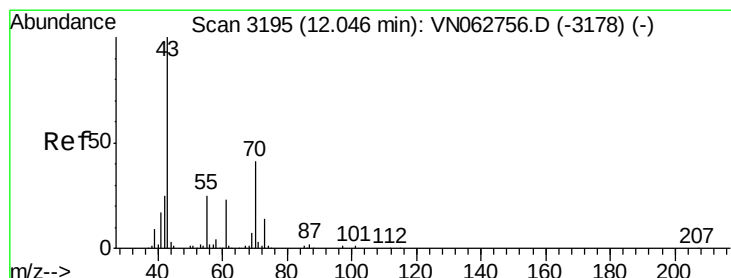
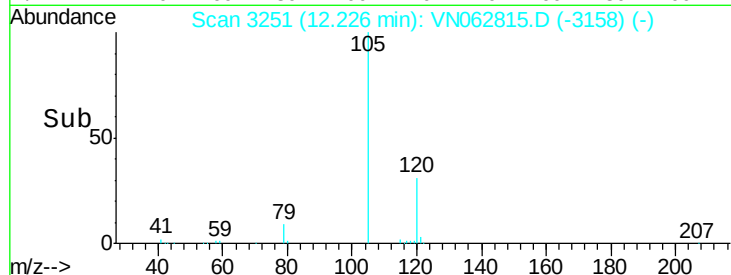
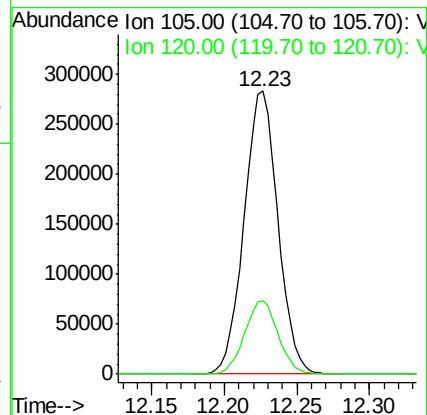
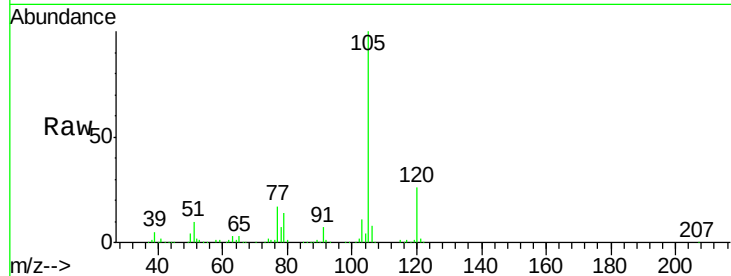
120 25.7 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.242 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion: 43 Resp: 203526

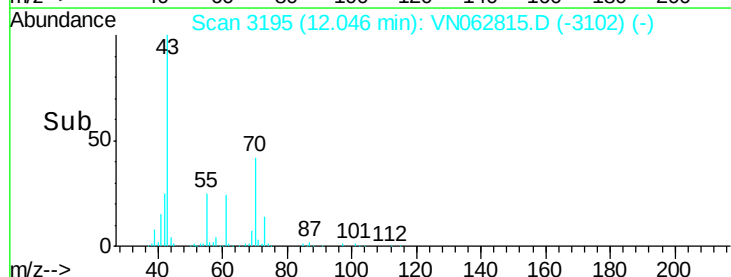
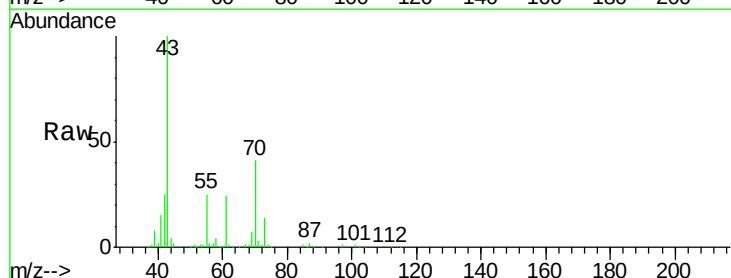
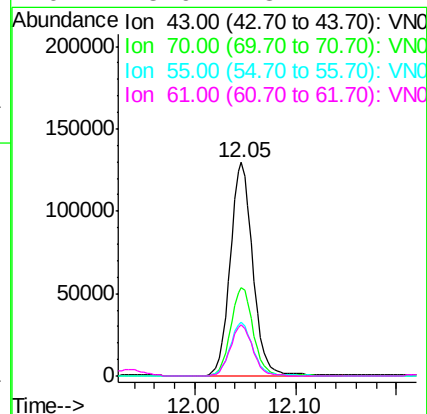
Ion Ratio Lower Upper

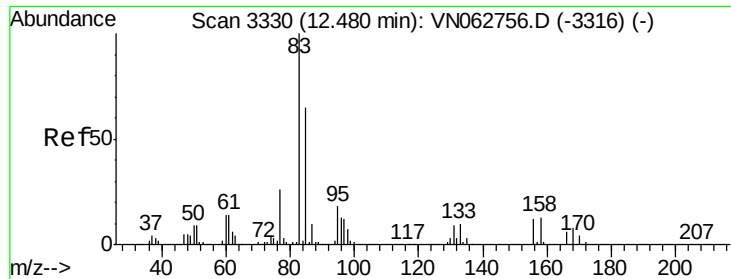
43 100

70 41.6 32.3 48.5

55 25.3 20.2 30.2

61 23.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.160 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

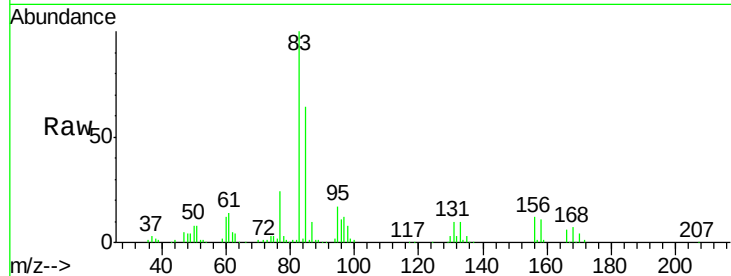
ClientSampleId :

BP-VPB179-GW-498-500MS

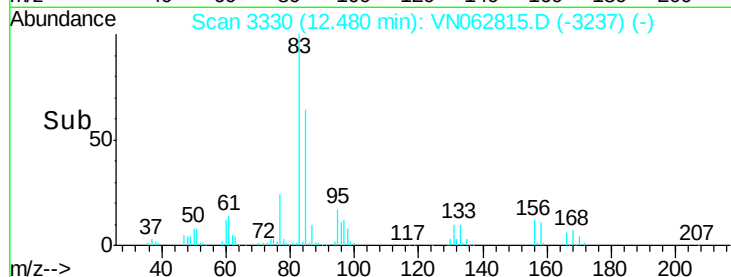
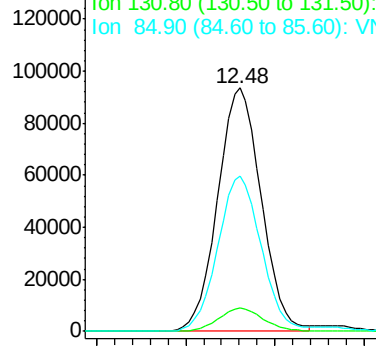
Tot Ion:	83	Resp:	159262
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.4
85	63.7	31.9	95.9

Manual Integrations
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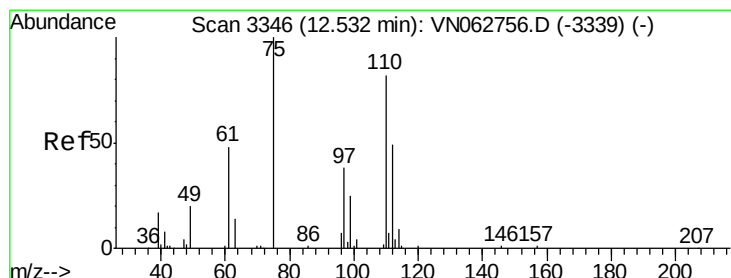
Sam
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Abundance Ion 82.90 (82.60 to 83.60): VN062815.D (-3237) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 41.827 ug/l m

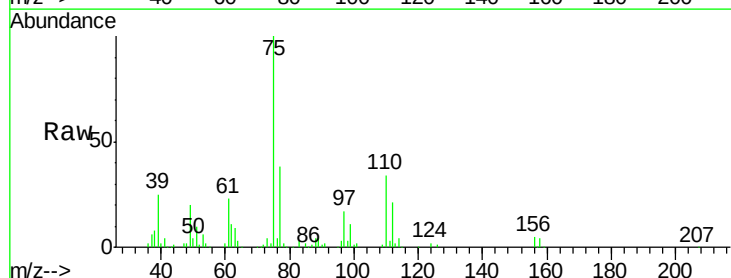
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

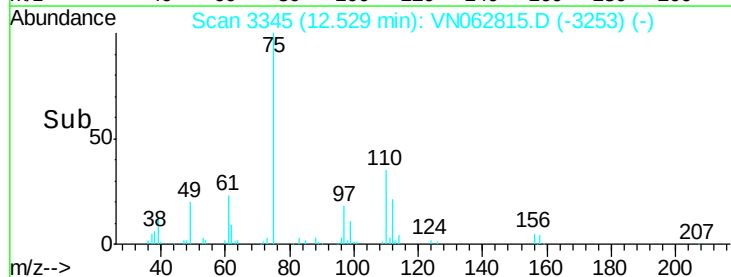
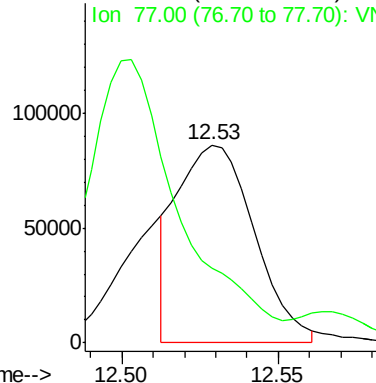
Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

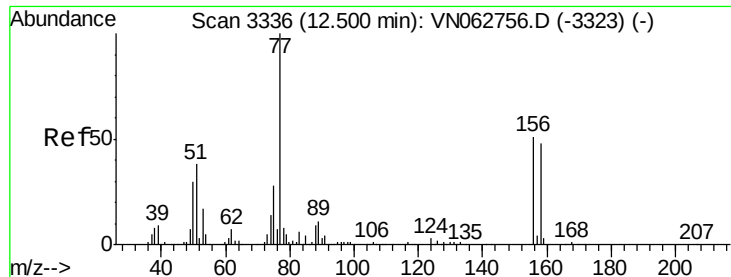
Tgt Ion:	75	Resp:	146826
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062815.D (-3253) (-)



Time-->



#77

Bromobenzene

Concen: 45.169 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

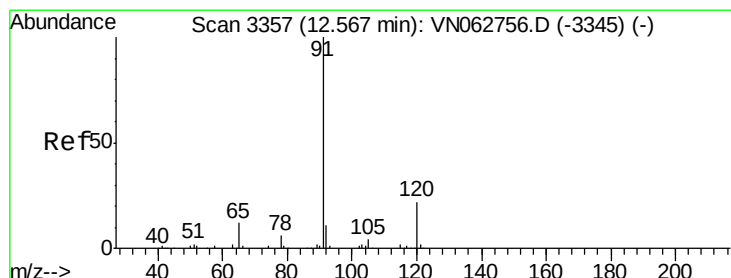
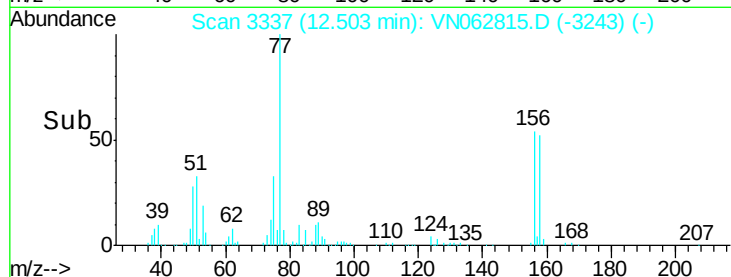
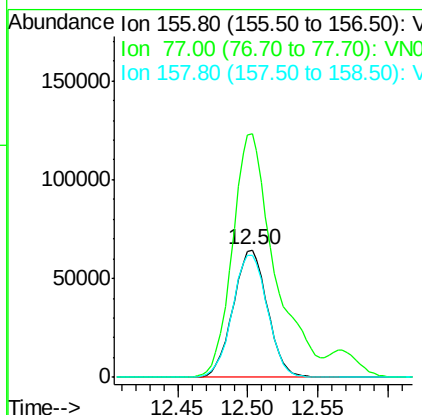
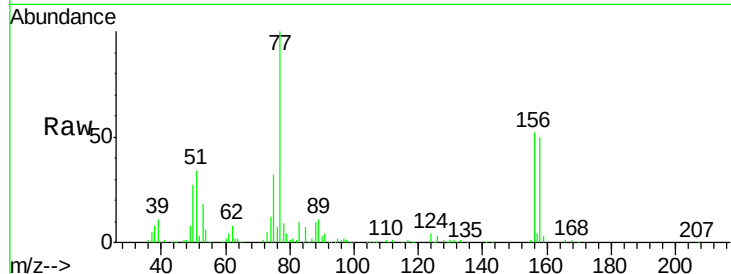
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.0	119.7	359.1
158	98.4	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 44.953 ug/l

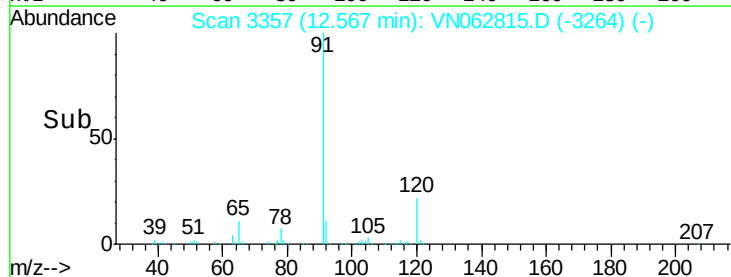
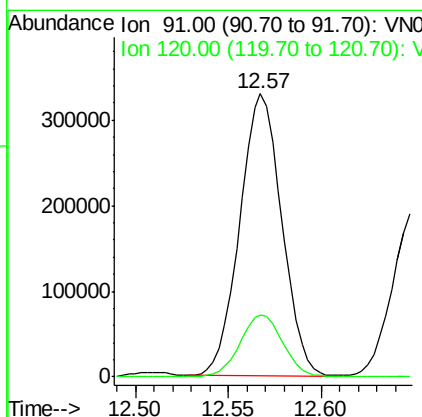
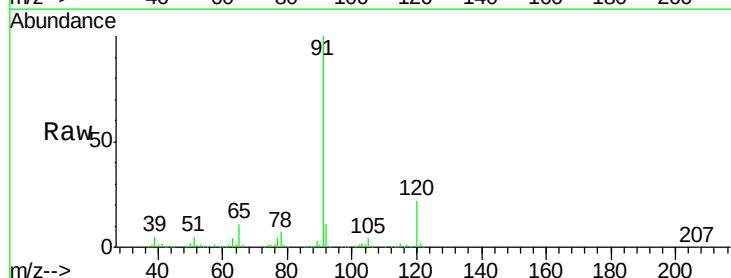
RT: 12.57 min Scan# 3357

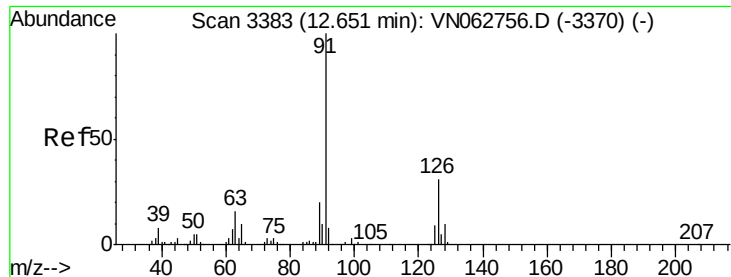
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.9	32.9





#79

2-Chlorotoluene

Concen: 44.903 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion: 91 Resp: 323961

Ion Ratio Lower Upper

91 100

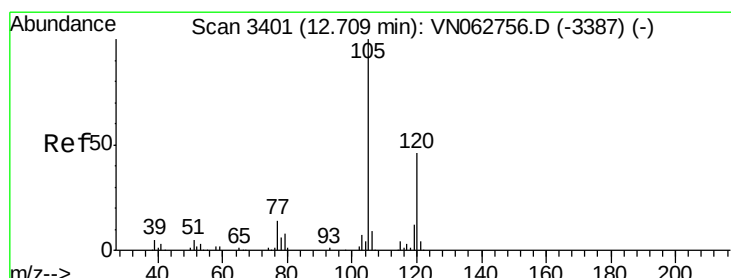
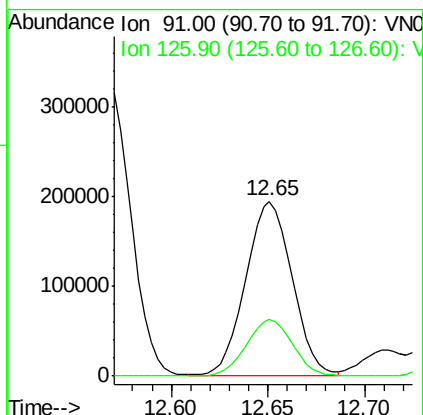
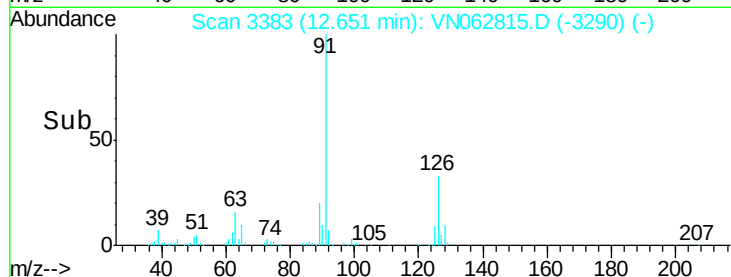
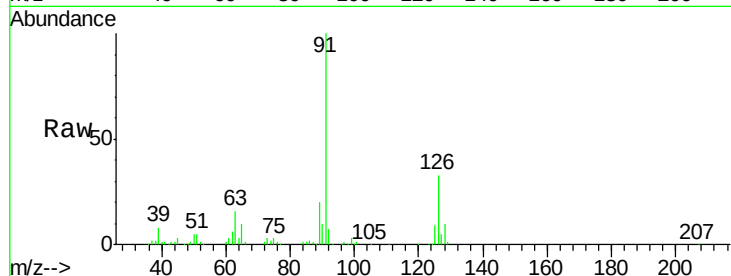
126 32.5 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.965 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062815.D

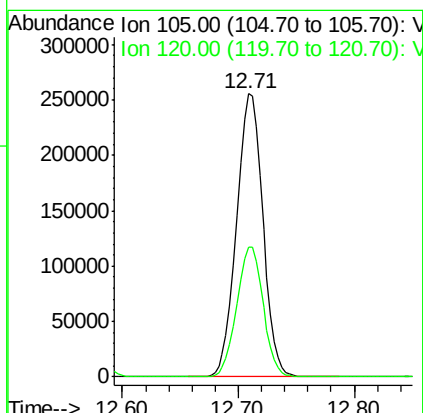
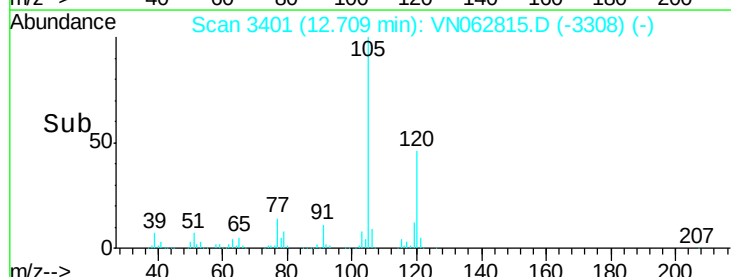
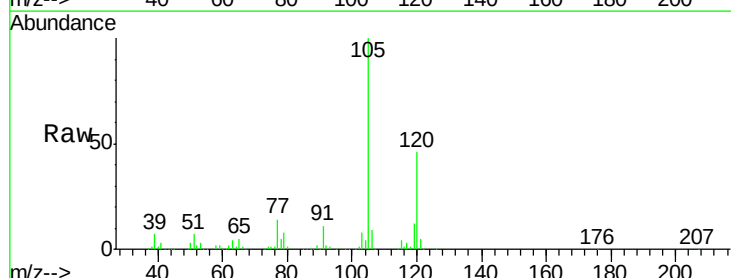
Acq: 10 Aug 2020 17:48

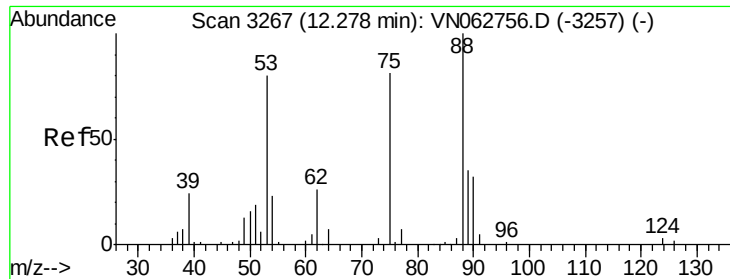
Tgt Ion: 105 Resp: 399337

Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 46.630 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

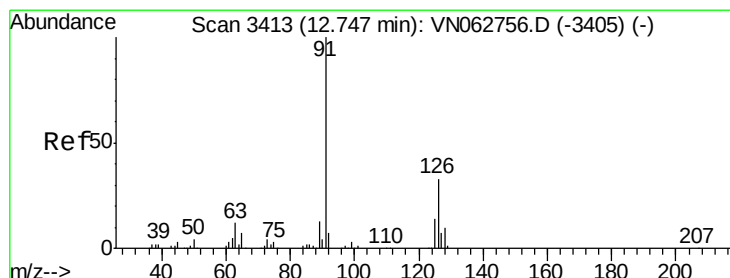
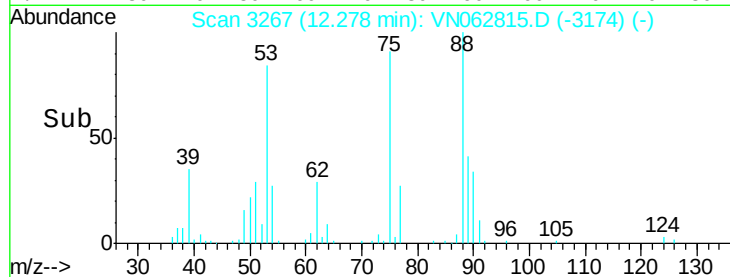
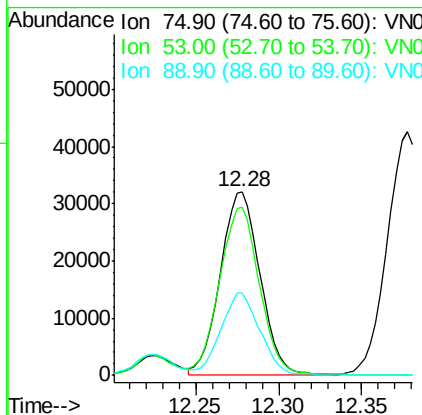
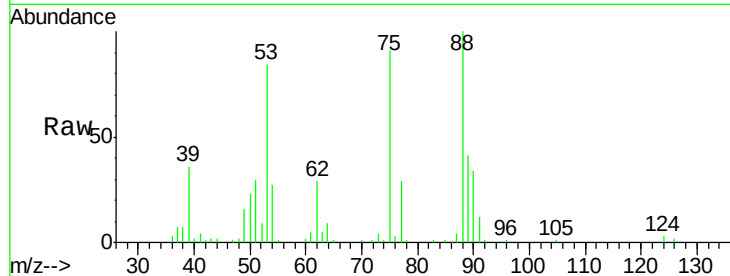
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	75	Resp:	53620
Ion	Ratio	Lower	Upper
75	100		
53	92.4	79.1	118.7
89	44.5	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.517 ug/l

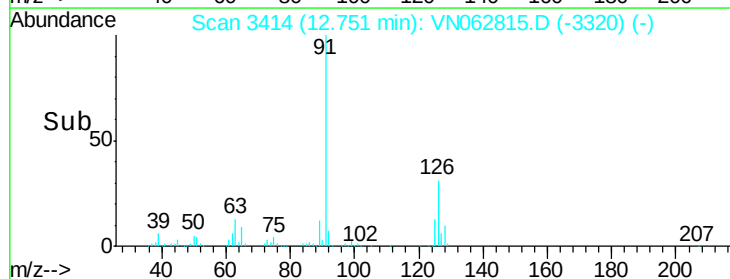
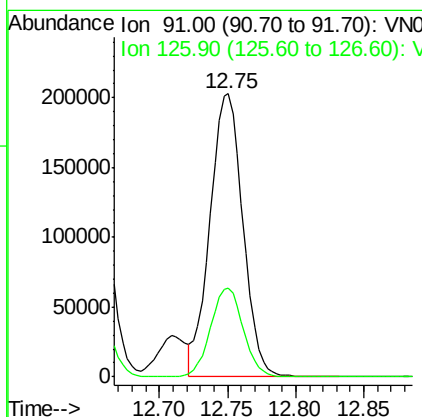
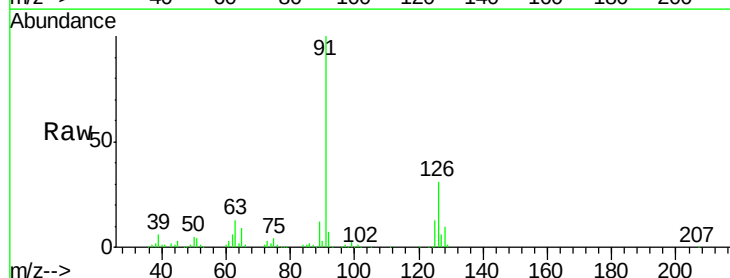
RT: 12.75 min Scan# 3414

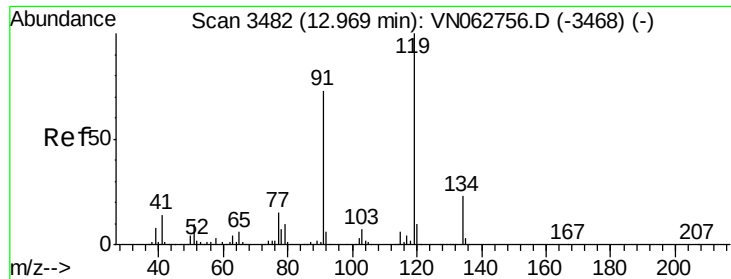
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	91	Resp:	338414
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.3	45.9





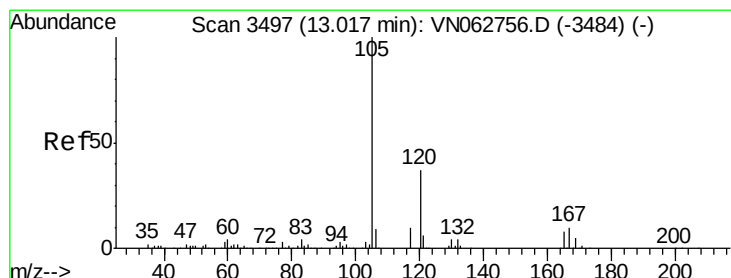
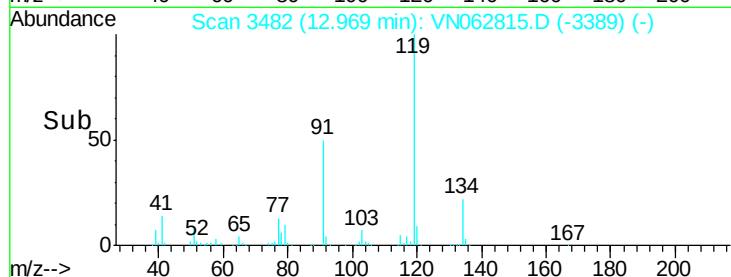
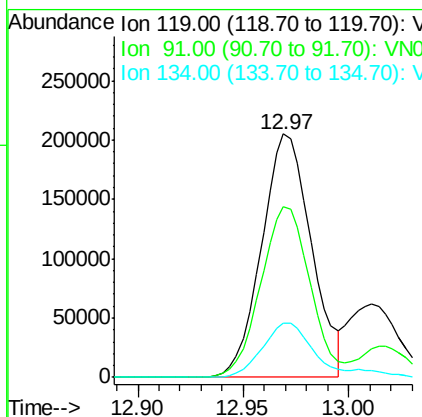
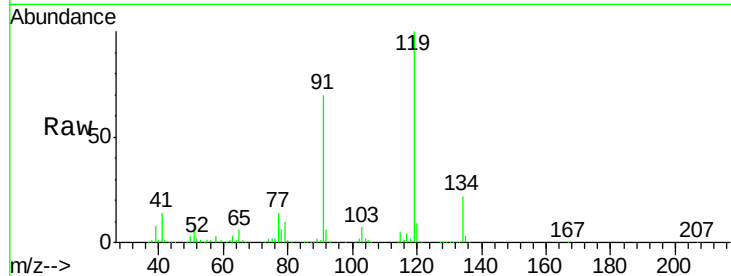
#83
 tert-Butylbenzene
 Concen: 46.872 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	36.5	109.5
134	24.6	11.3	33.8

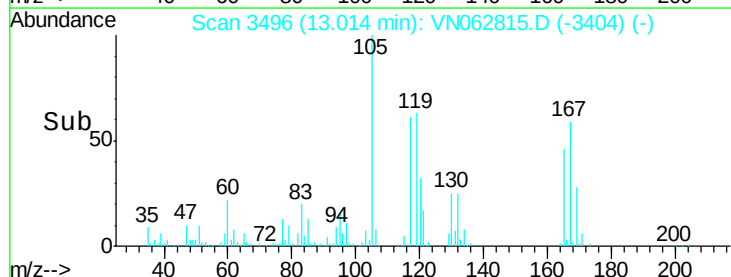
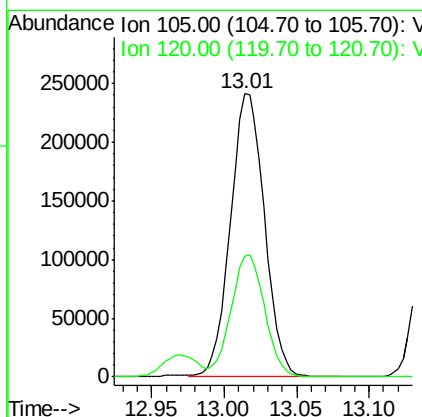
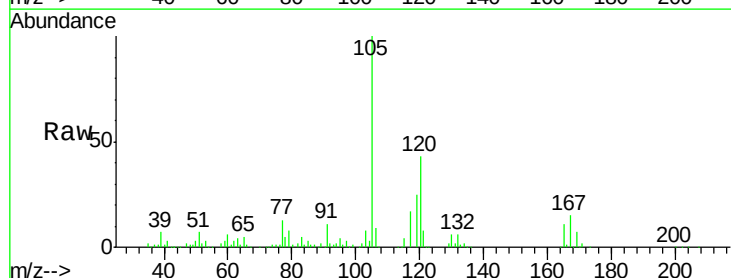
Manual Integrations
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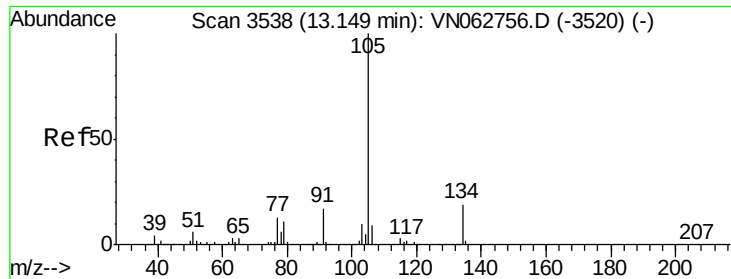
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.024 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.4	64.2





#85

sec-Butylbenzene

Concen: 45.945 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:105 Resp: 434102

Ion Ratio Lower Upper

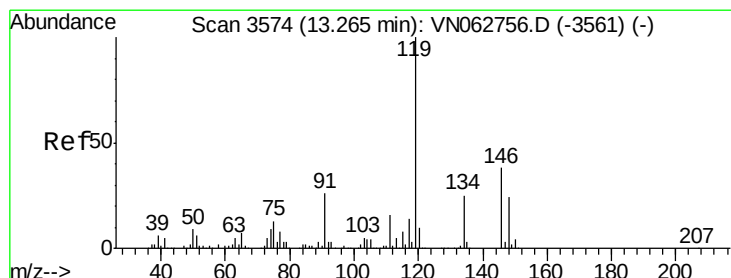
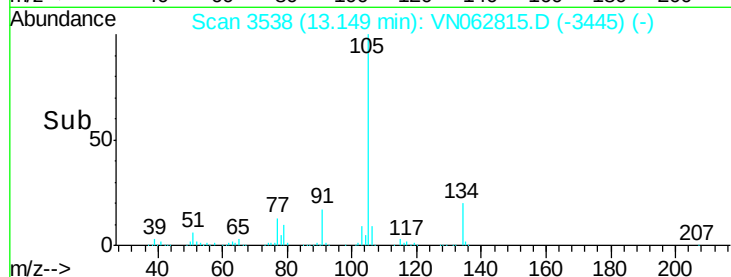
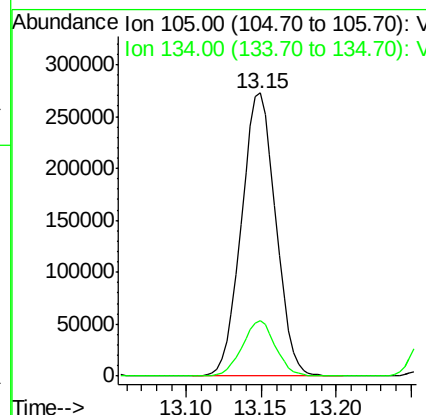
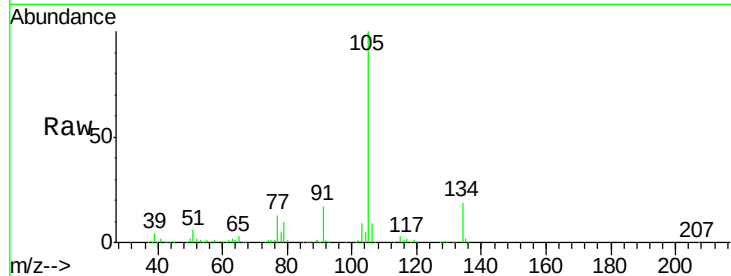
105 100

134 18.9 9.6 28.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 45.855 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

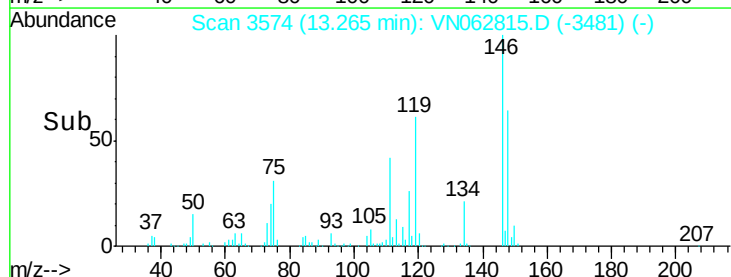
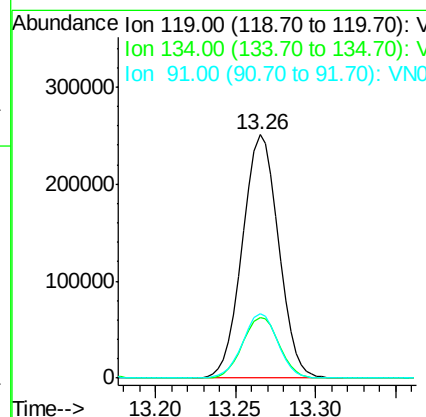
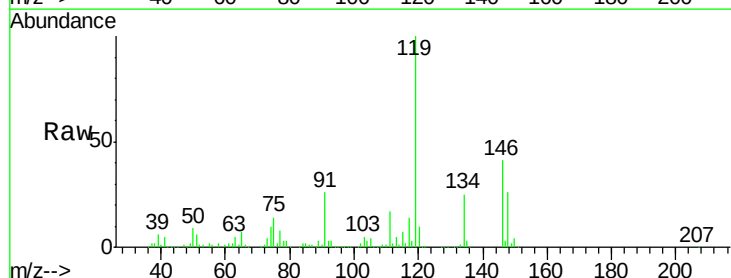
Tgt Ion:119 Resp: 384569

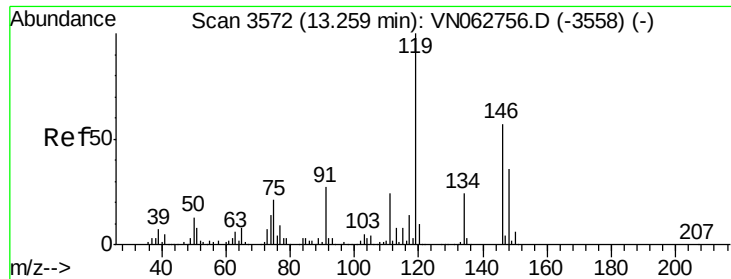
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

91 25.6 13.4 40.2





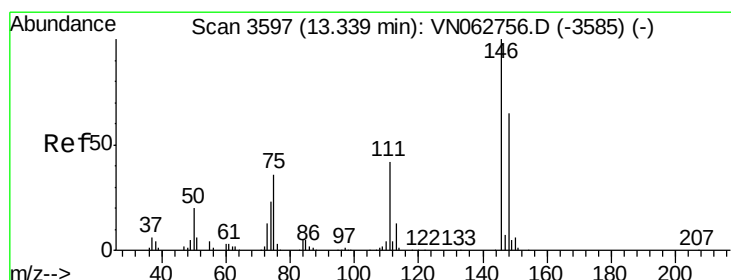
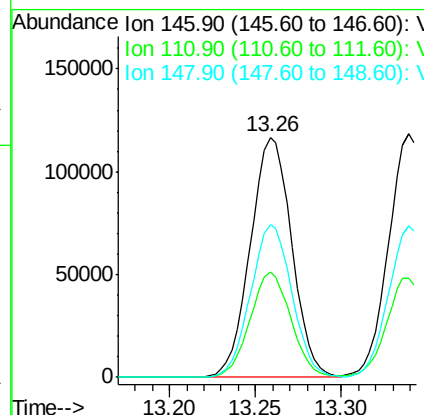
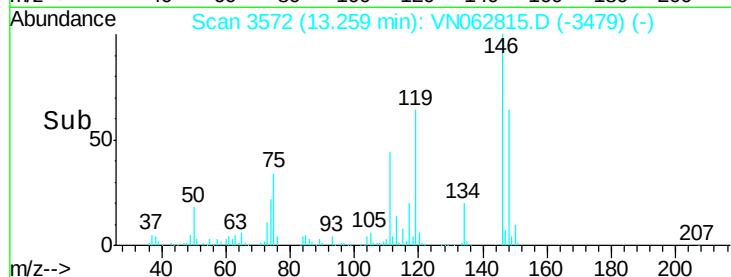
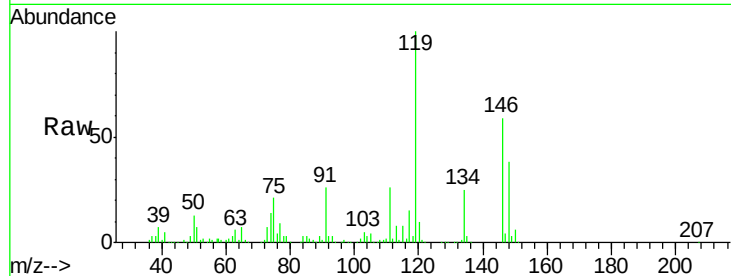
#87
 1,3-Dichlorobenzene
 Concen: 44.846 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195103		
111	43.2	21.7	65.1	
148	63.5	31.4	94.2	

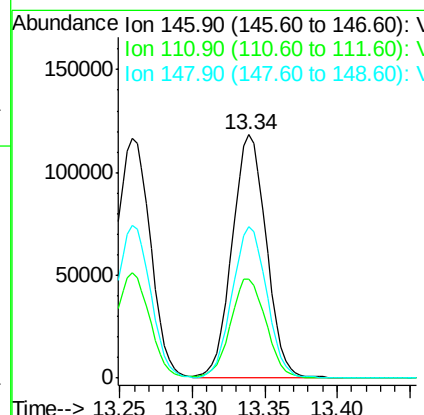
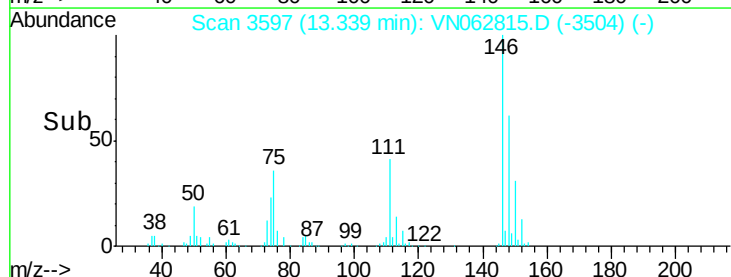
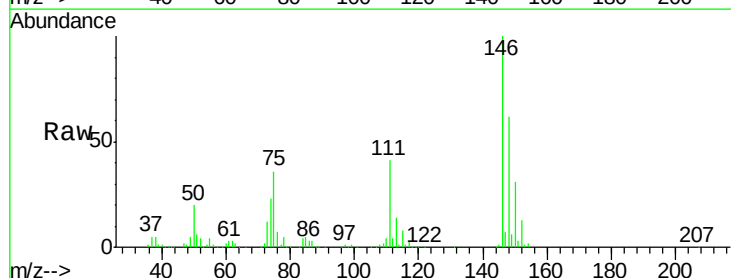
Manual Integrations
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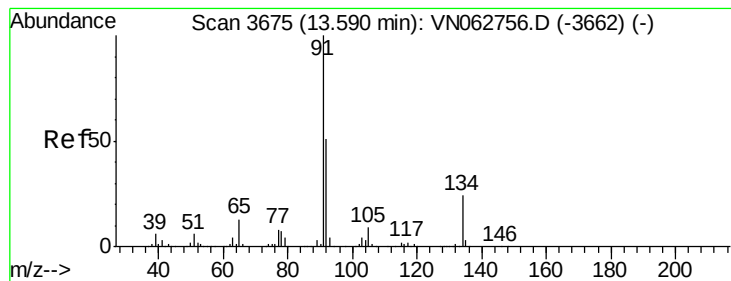
sam
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#88
 1,4-Dichlorobenzene
 Concen: 44.292 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	193266		
111	42.0	21.6	64.6	
148	62.7	32.6	97.8	





#89

n-Butylbenzene

Concen: 42.073 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

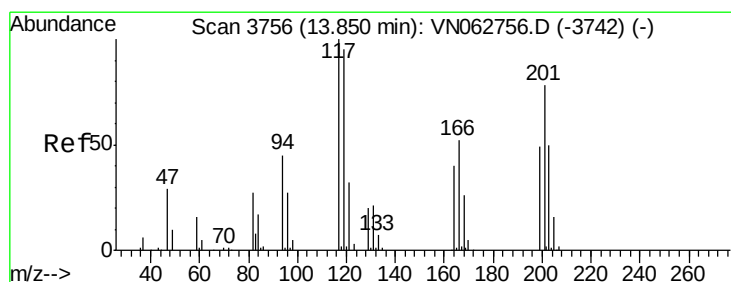
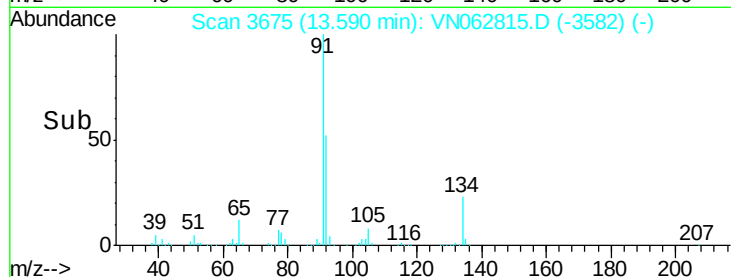
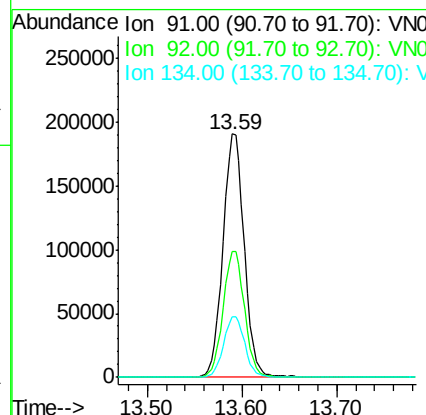
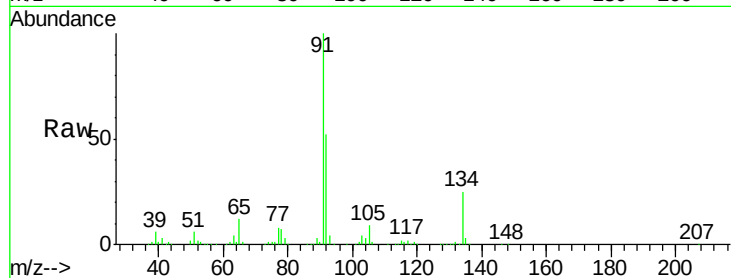
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	91	Resp:	298422
Ion Ratio	Lower	Upper	
91	100		
92	52.0	25.7	77.0
134	24.9	12.2	36.6

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#90

Hexachloroethane

Concen: 42.911 ug/l

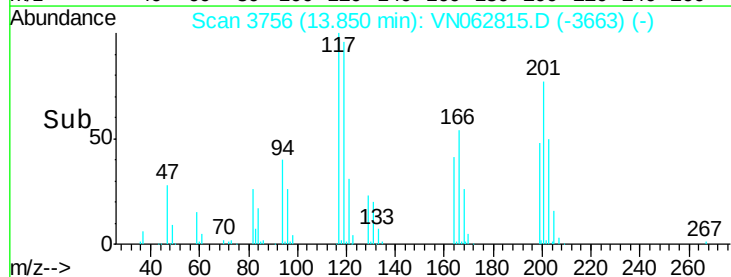
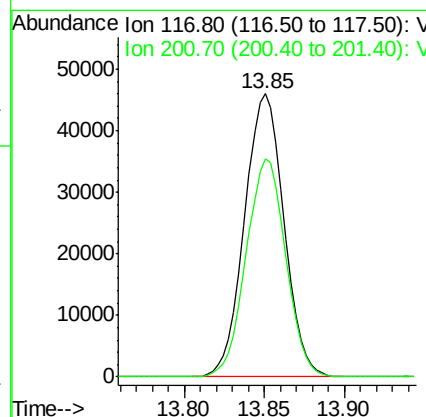
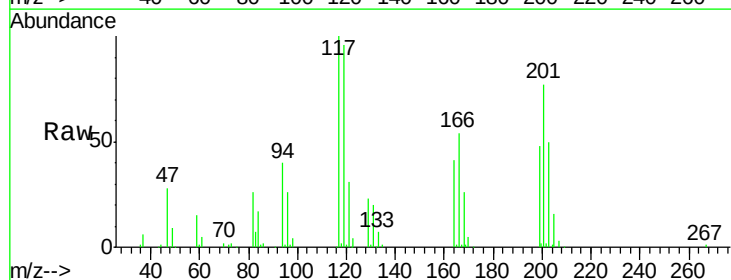
RT: 13.85 min Scan# 3756

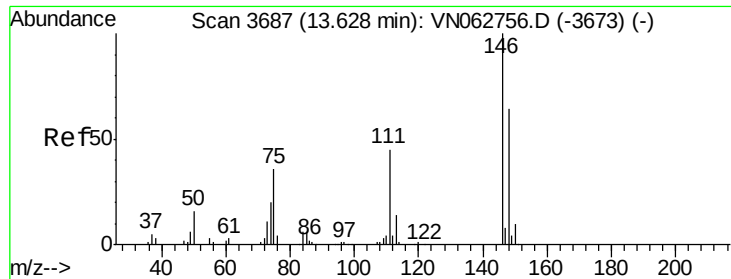
Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	117	Resp:	77574
Ion Ratio	Lower	Upper	
117	100		
201	77.3	39.2	117.6





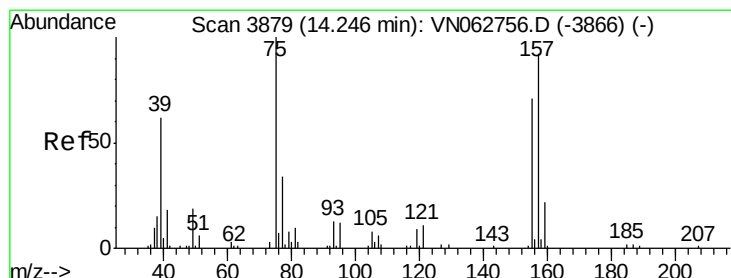
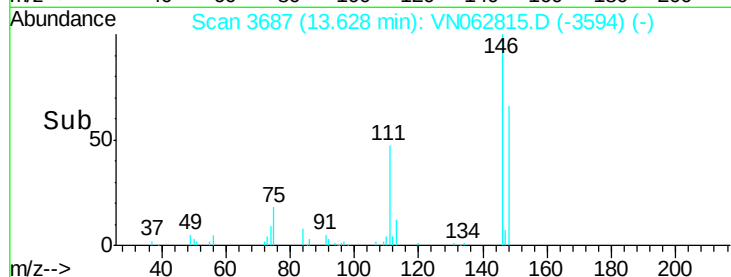
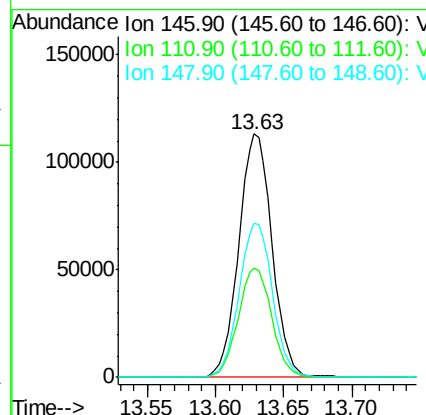
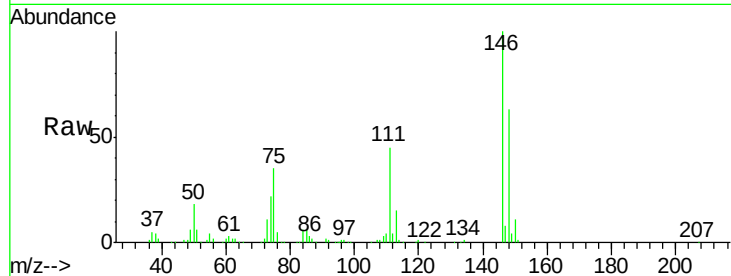
#91
 1,2-Dichlorobenzene
 Concen: 47.016 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191763		
111	45.2	22.8	68.4	
148	63.5	31.9	95.5	

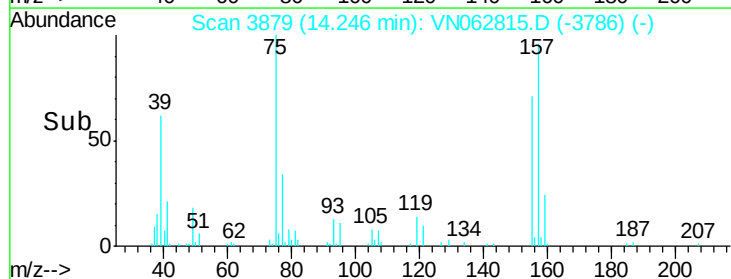
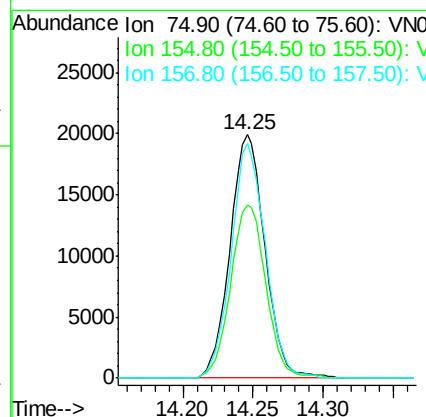
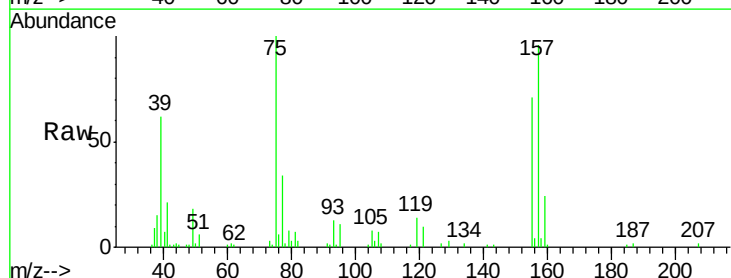
Manual Integrations
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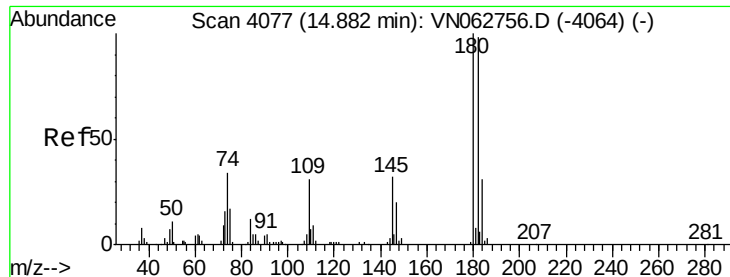
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.555 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34484		
155	71.7	35.0	105.1	
157	94.2	43.2	129.6	





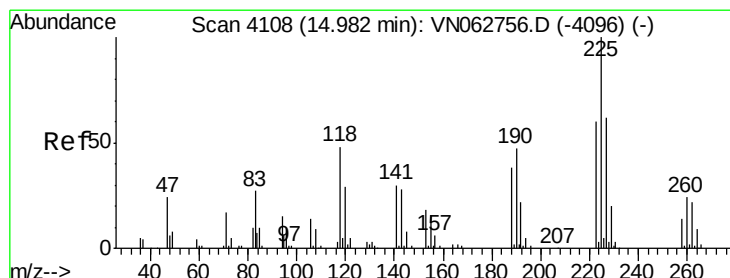
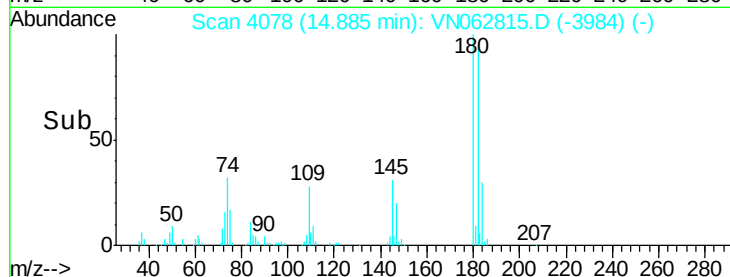
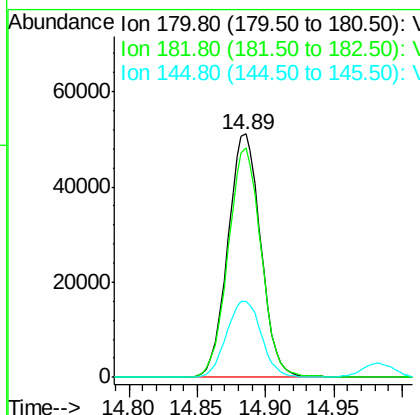
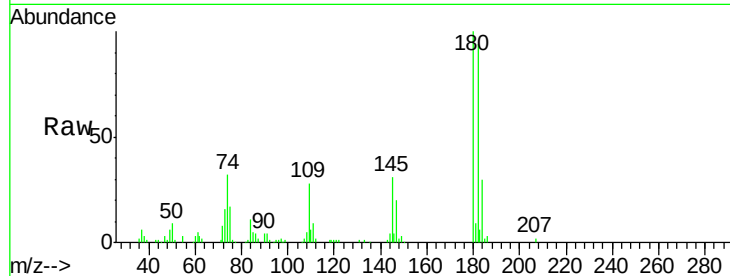
#93
 1,2,4-Trichlorobenzene
 Concen: 39.686 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.6	49.1	147.4	
145	33.1	16.3	48.8	

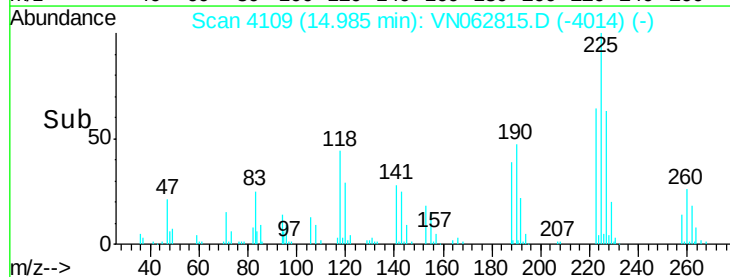
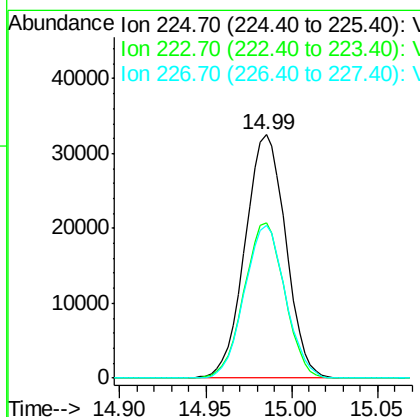
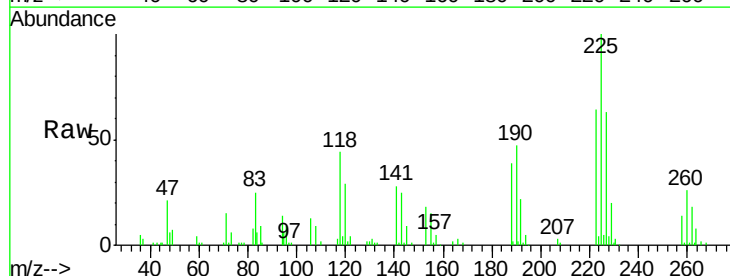
Manual Integrations
 APPROVED

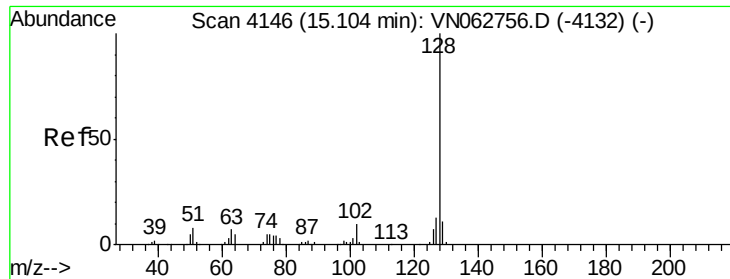
sam
 8/11/2020 3:24:58 PM



#94
 Hexachlorobutadiene
 Concen: 41.399 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062815.D
 Acq: 10 Aug 2020 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	30.6	92.0	
227	63.1	31.6	95.0	





#95

Naphthalene

Concen: 40.467 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Instrument :

MSVOA_N

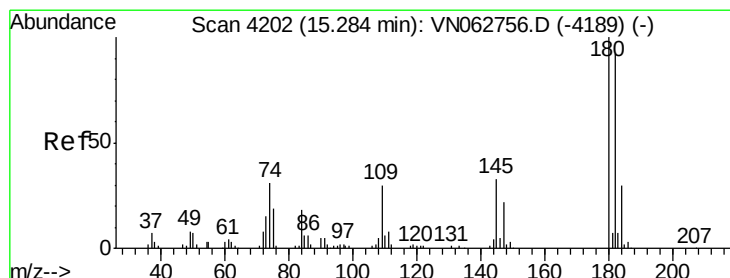
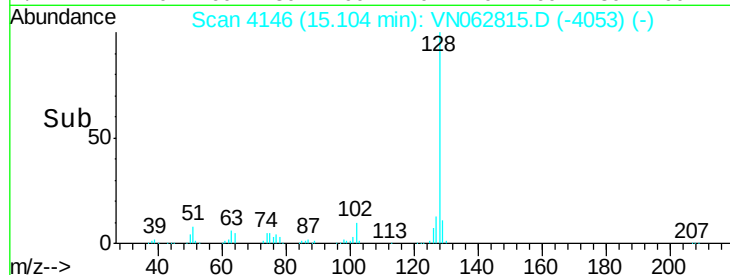
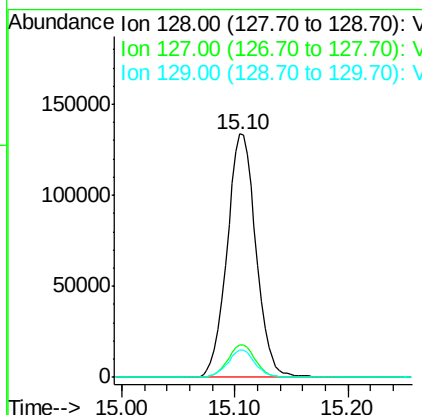
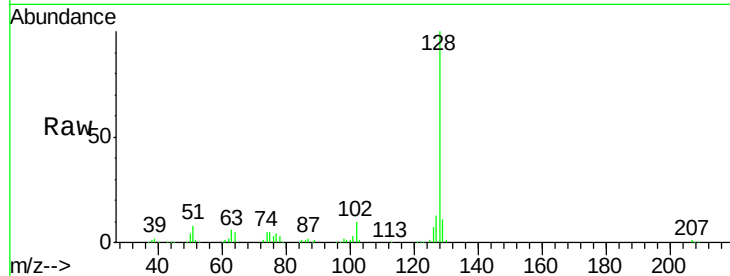
ClientSampleId :

BP-VPB179-GW-498-500MS

Tot Ion:	128	Resp:	237568
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.8	16.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

sam
8/11/2020 3:24:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 41.144 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062815.D

Acq: 10 Aug 2020 17:48

Tgt Ion:	180	Resp:	87720
Ion Ratio		Lower	Upper
180	100		
182	96.5	47.9	143.6
145	34.1	17.3	51.7

