

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062877.D
 Acq On : 13 Aug 2020 00:17
 Operator : JC/MD
 Sample : VN0812WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 10:56:07 AM

Quant Time: Aug 13 07:10:55 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	163371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	114091	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	127753	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	7.55	113	90100	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.06	98	340909	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.38	95	122267	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	45631	19.505	ug/l	100
3) Chloromethane	2.03	50	50241	22.758	ug/l	98
4) Vinyl Chloride	2.16	62	48540	23.443	ug/l	98
5) Bromomethane	2.51	94	27872	20.334	ug/l	99
6) Chloroethane	2.66	64	29523	21.673	ug/l	97
7) Trichlorofluoromethane	2.98	101	70280	19.035	ug/l	98
8) Diethyl Ether	3.37	74	20769	19.649	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	29704	19.410	ug/l	97
10) Methyl Iodide	3.91	142	35221	19.681	ug/l	98
11) Tert butyl alcohol	4.74	59	38293	86.481	ug/l #	89
12) 1,1-Dichloroethene	3.70	96	28176	19.539	ug/l	92
13) Acrolein	3.57	56	16158	60.269	ug/l	99
14) Allyl chloride	4.27	41	49407	17.273	ug/l	96
15) Acrylonitrile	4.93	53	100353	97.714	ug/l	99
16) Acetone	3.78	43	86873	88.990	ug/l	99
17) Carbon Disulfide	4.01	76	72242	17.689	ug/l	99
18) Methyl Acetate	4.28	43	48453	20.315	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	120119	18.977	ug/l	100
20) Methylene Chloride	4.50	84	35788	19.570	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	30660	18.754	ug/l	98
22) Diisopropyl ether	5.90	45	121240	19.912	ug/l	96
23) Vinyl Acetate	5.85	43	405756	87.611	ug/l	98
24) 1,1-Dichloroethane	5.80	63	67956	19.045	ug/l	98
25) 2-Butanone	6.79	43	129124	93.392	ug/l	98
26) 2,2-Dichloropropane	6.78	77	37852	11.508	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	36973	18.852	ug/l	91
28) Bromochloromethane	7.15	49	32565	18.910	ug/l	100
29) Tetrahydrofuran	7.17	42	85045	94.680	ug/l	100
30) Chloroform	7.33	83	71504	18.856	ug/l	99
31) Cyclohexane	7.62	56	60580	18.495	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	60678	17.897	ug/l	97
36) 1,1-Dichloropropene	7.75	75	47158	18.389	ug/l	98
37) Ethyl Acetate	6.89	43	48146	17.973	ug/l	100
38) Carbon Tetrachloride	7.73	117	54476	17.961	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	54130	17.539	ug/l	98
40) Benzene	8.00	78	139242	18.196	ug/l	100
41) Methacrylonitrile	7.13	41	22335	18.477	ug/l #	59
42) 1,2-Dichloroethane	8.09	62	58817	18.059	ug/l	99
43) Isopropyl Acetate	8.13	43	80189	17.947	ug/l #	89
44) Trichloroethene	8.80	130	34626	18.572	ug/l	100
45) 1,2-Dichloropropane	9.09	63	40141	19.381	ug/l	95
46) Dibromomethane	9.18	93	26244	19.339	ug/l	98
47) Bromodichloromethane	9.37	83	59196	19.422	ug/l	97
48) Methyl methacrylate	9.17	41	37681	17.145	ug/l	96
49) 1,4-Dioxane	9.17	88	15113	371.116	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	273590	94.635	ug/l	99
52) Toluene	10.13	92	87703	18.562	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	57770	17.232	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	60949	18.107	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	40400	20.021	ug/l	92
56) Ethyl methacrylate	10.40	69	55263	18.194	ug/l	97
57) 1,3-Dichloropropane	10.68	76	63953	18.652	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	65921	76.781	ug/l	99
59) 2-Hexanone	10.72	43	198325	91.966	ug/l	100
60) Dibromochloromethane	10.87	129	44075	19.140	ug/l	100
61) 1,2-Dibromoethane	10.98	107	37834	19.001	ug/l	98
64) Tetrachloroethene	10.60	164	29622	18.640	ug/l	97
65) Chlorobenzene	11.41	112	95339	18.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	40057	19.374	ug/l	99
67) Ethyl Benzene	11.49	91	167498	18.179	ug/l	97
68) m/p-Xylenes	11.60	106	125017	37.379	ug/l	98
69) o-Xylene	11.92	106	60932	19.440	ug/l	96
70) Styrene	11.94	104	105125	19.081	ug/l	97
71) Bromoform	12.10	173	30697	18.146	ug/l #	98
73) Isopropylbenzene	12.23	105	168156	19.573	ug/l	99
74) N-amyl acetate	12.05	43	67751	19.460	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	60043	19.854	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	54897m	17.842	ug/l	
77) Bromobenzene	12.50	156	41918	19.637	ug/l	95
78) n-propylbenzene	12.57	91	192610	19.100	ug/l	99
79) 2-Chlorotoluene	12.65	91	120201	19.007	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	146723	19.686	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	16514	16.384	ug/l	97
82) 4-Chlorotoluene	12.75	91	123732	18.986	ug/l	98
83) tert-Butylbenzene	12.97	119	122122	19.364	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	144615	20.282	ug/l	100
85) sec-Butylbenzene	13.15	105	163445	19.735	ug/l	100
86) p-Isopropyltoluene	13.26	119	142306	19.358	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	71452	18.737	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	72325	18.910	ug/l	99
89) n-Butylbenzene	13.59	91	109634	17.634	ug/l	99
90) Hexachloroethane	13.85	117	29313	18.499	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	72837	20.373	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11918	18.356	ug/l	98

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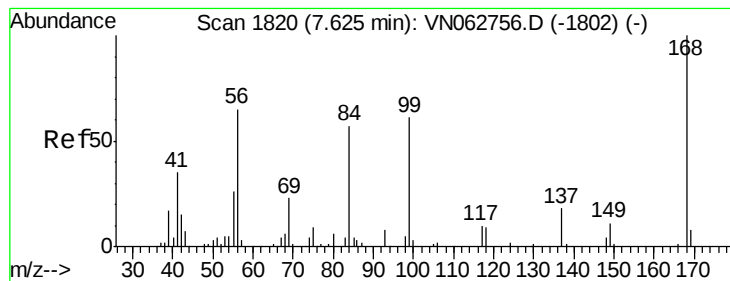
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	30868	18.331	ug/l	96
94) Hexachlorobutadiene	14.98	225	21411	18.039	ug/l	96
95) Naphthalene	15.11	128	78326	17.535	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	31282	18.365	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion:168 Resp: 163371

Ion Ratio Lower Upper

168 100

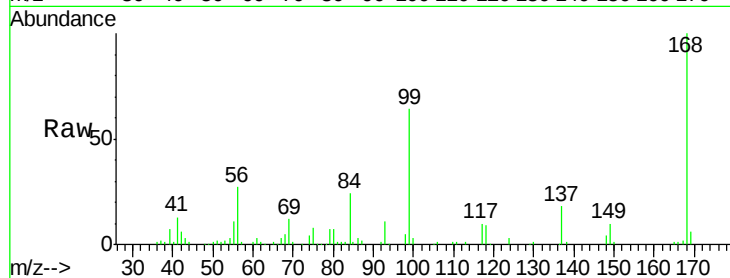
99 63.4 52.9 79.3

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

60000

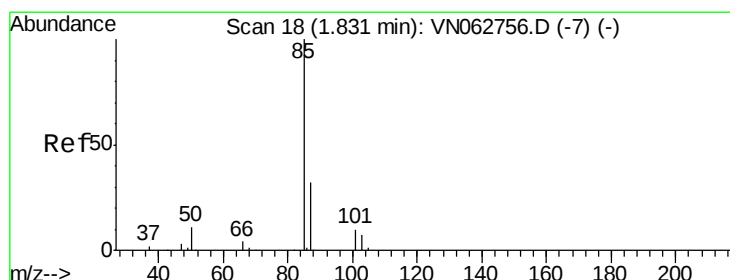
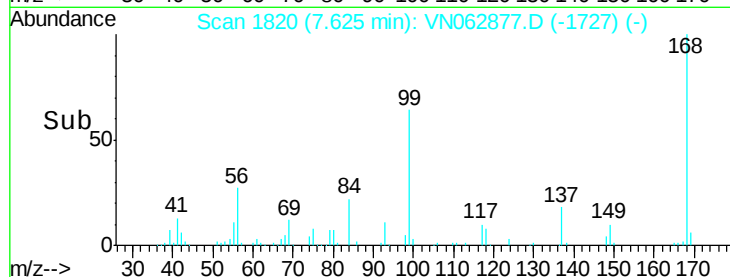
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.505 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062877.D

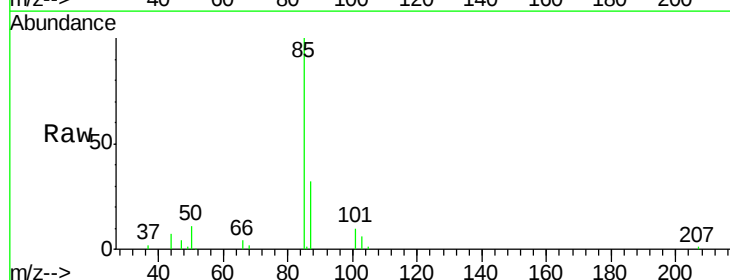
Acq: 13 Aug 2020 00:17

Tgt Ion: 85 Resp: 45631

Ion Ratio Lower Upper

85 100

87 32.2 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

40000

30000

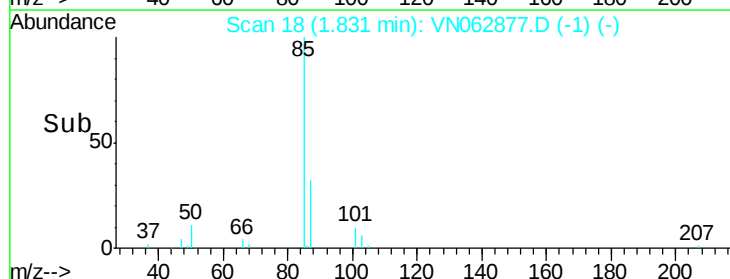
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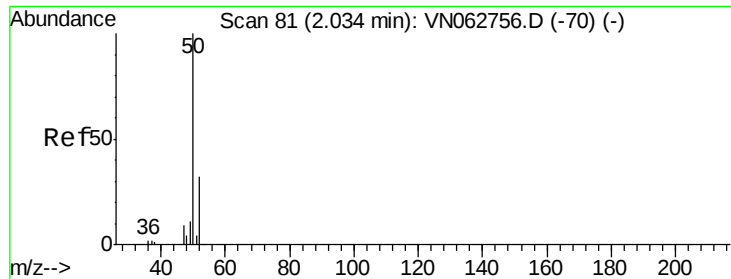
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 22.758 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 50 Resp: 50241

Ion Ratio Lower Upper

50 100

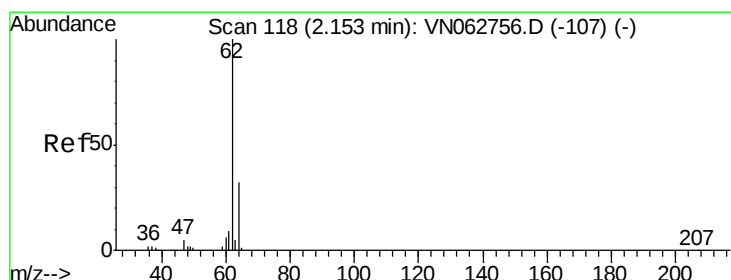
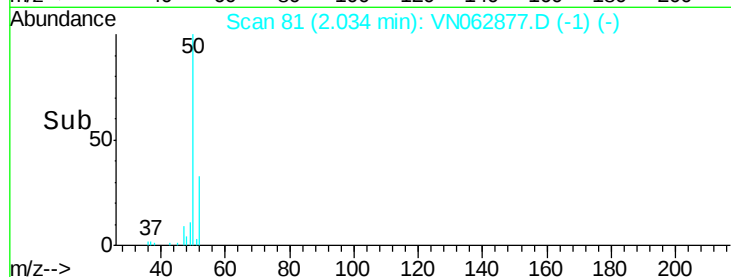
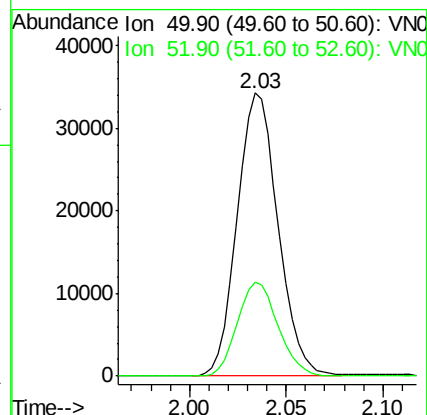
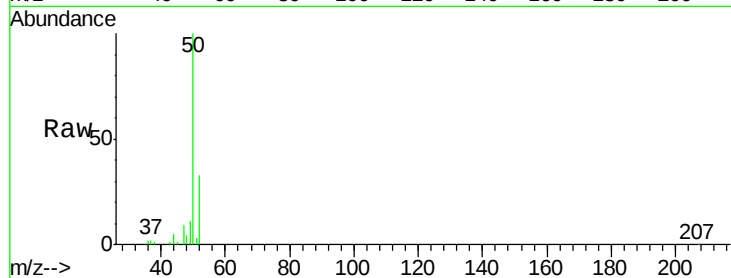
52 33.2 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.443 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062877.D

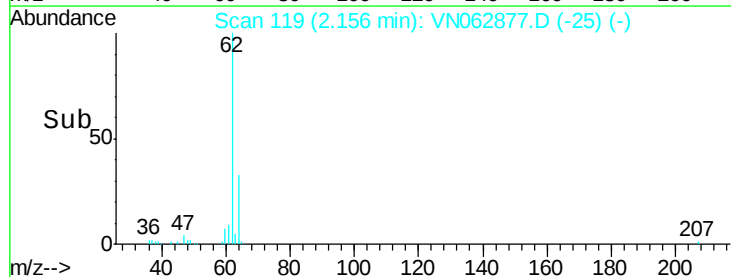
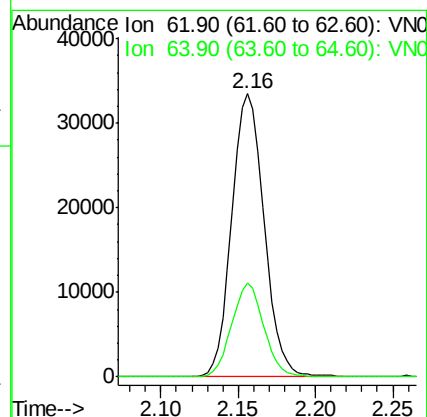
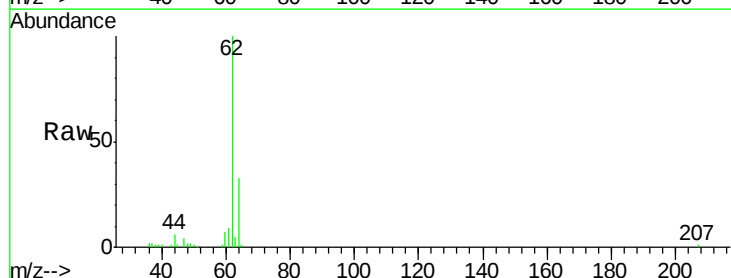
Acq: 13 Aug 2020 00:17

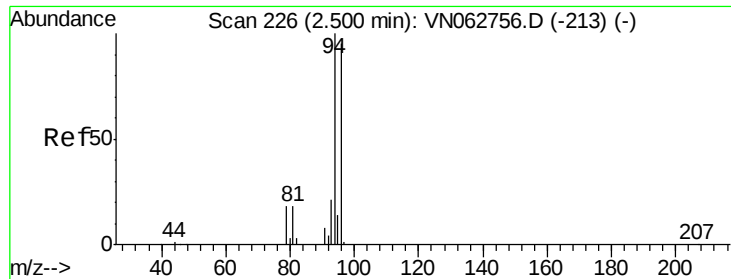
Tgt Ion: 62 Resp: 48540

Ion Ratio Lower Upper

62 100

64 33.2 25.8 38.8





#5

Bromomethane

Concen: 20.334 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.01 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 94 Resp: 27872

Ion Ratio Lower Upper

94 100

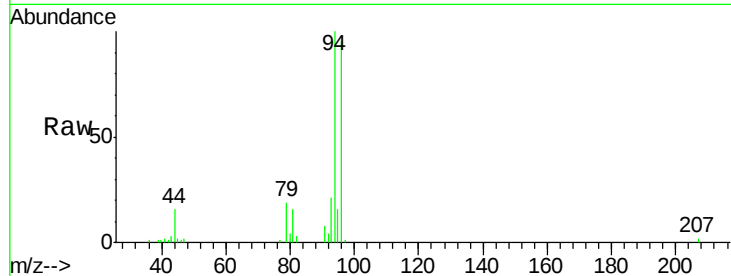
96 94.6 76.2 114.4

Manual Integrations

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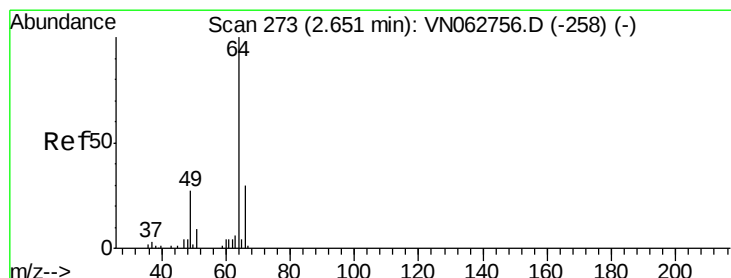
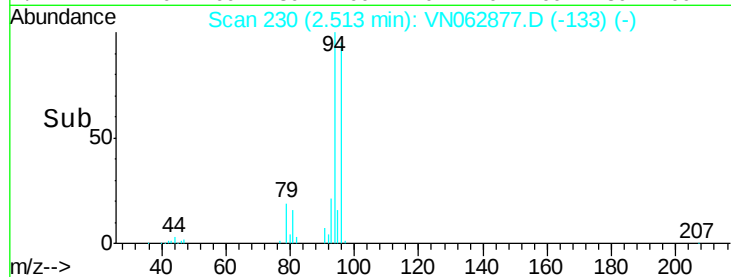
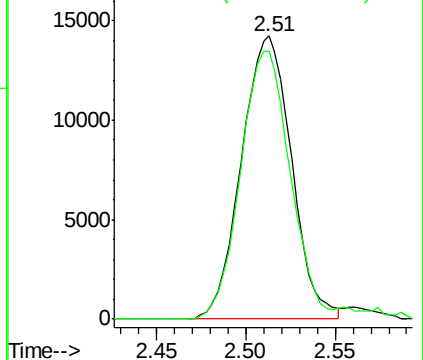
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.673 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

Lab File: VN062877.D

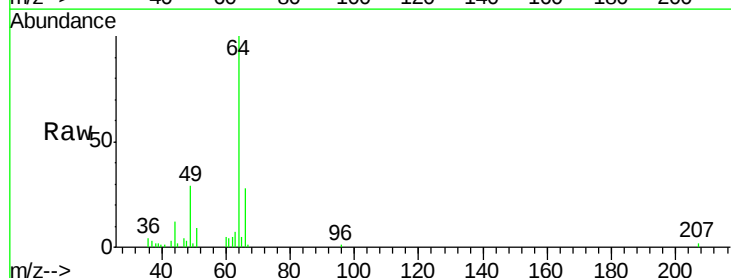
Acq: 13 Aug 2020 00:17

Tgt Ion: 64 Resp: 29523

Ion Ratio Lower Upper

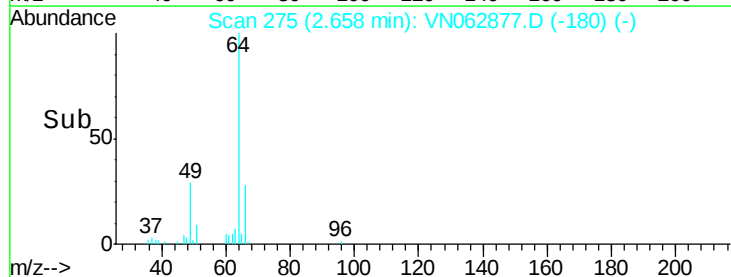
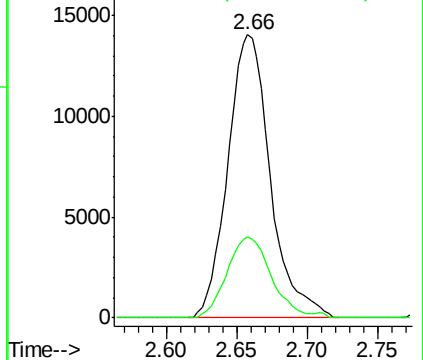
64 100

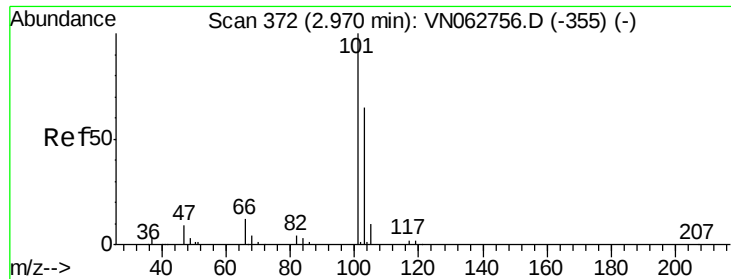
66 28.5 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

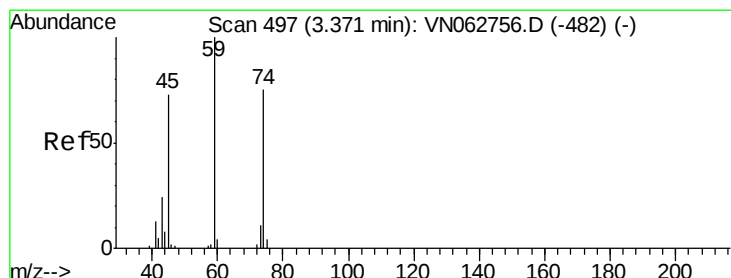
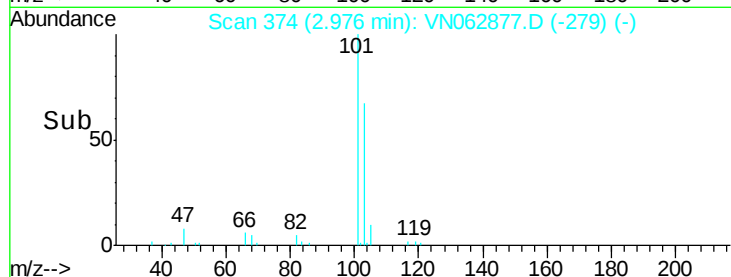
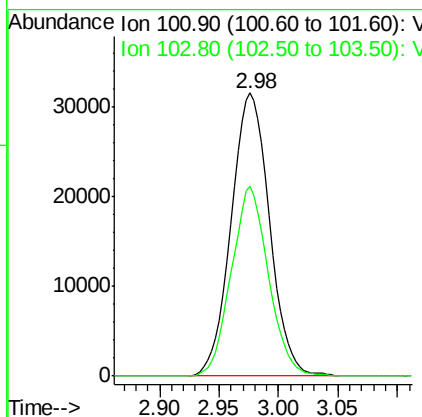
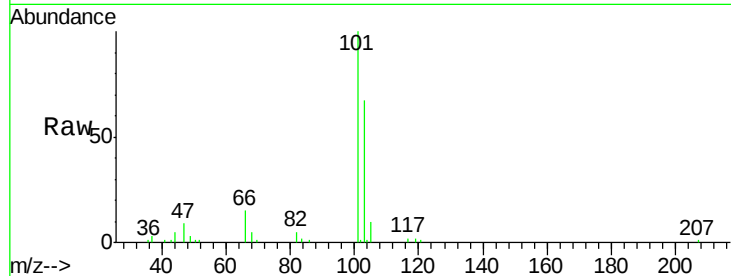
Trichlorofluoromethane
 Concen: 19.035 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.3	78.5

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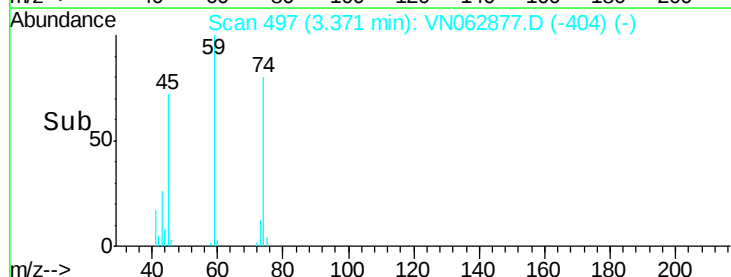
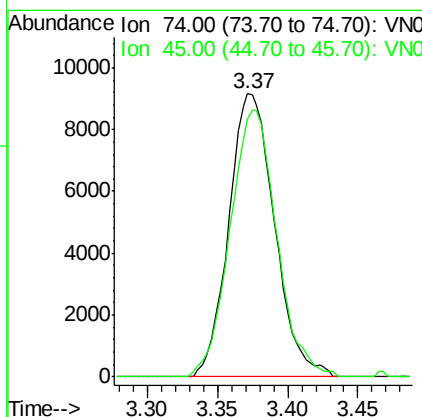
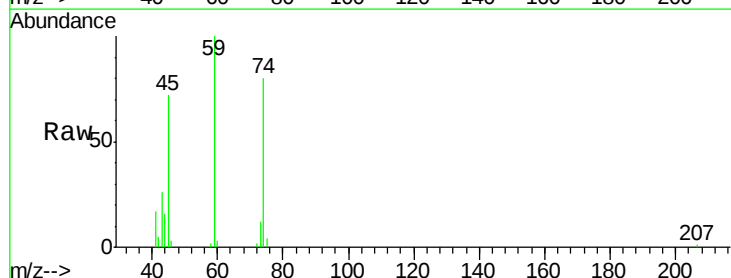
MMDadoda
 8/13/2020 10:56:07 AM

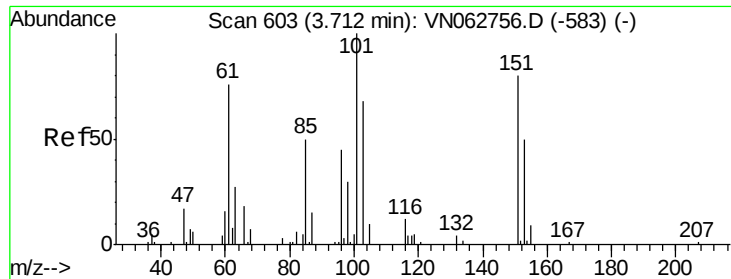


#8

Diethyl Ether
 Concen: 19.649 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.410 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

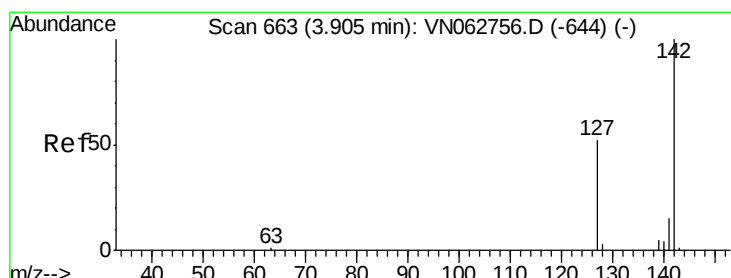
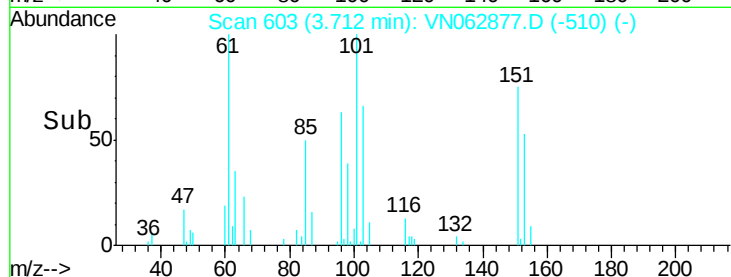
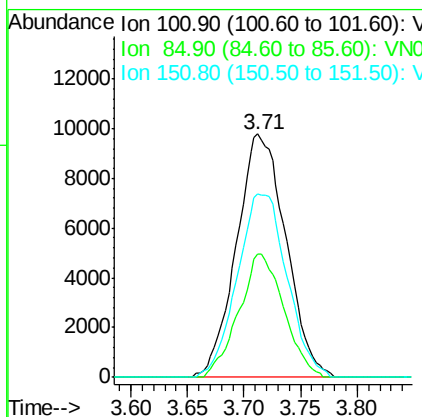
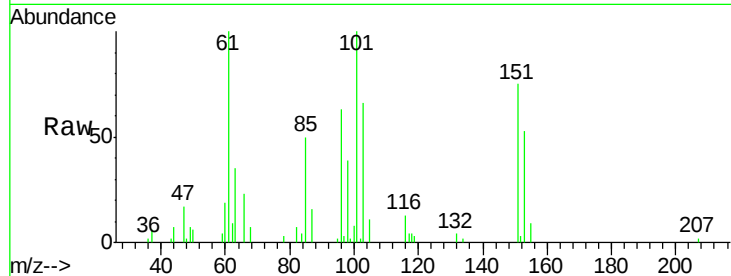
ClientSampleId :

VN0812WBSD02

Tot Ion:	101	Resp:	29704
Ion Ratio	Lower	Upper	
101	100		
85	46.2	38.5	57.7
151	76.0	63.0	94.6

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#10

Methyl Iodide

Concen: 19.681 ug/l

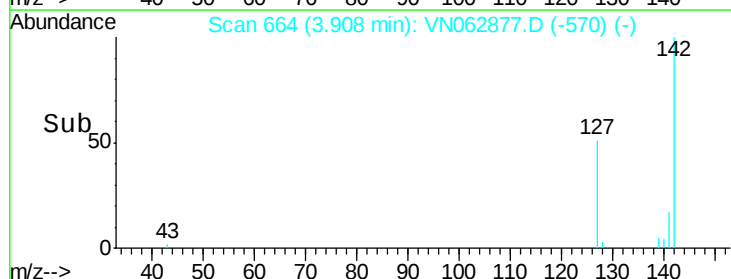
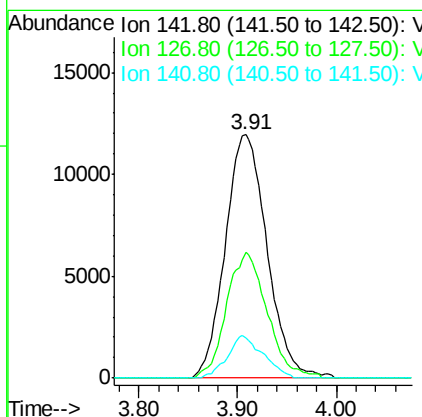
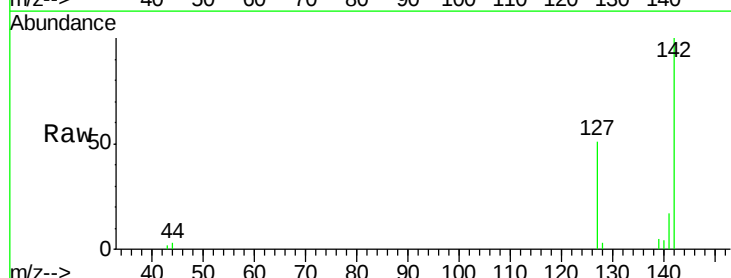
RT: 3.91 min Scan# 664

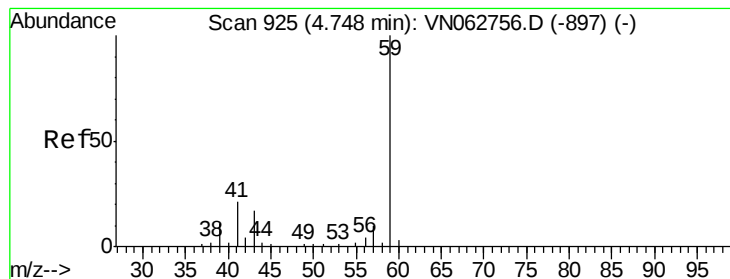
Delta R.T. 0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Tgt Ion:	142	Resp:	35221
Ion Ratio	Lower	Upper	
142	100		
127	50.1	41.4	62.0
141	15.0	12.2	18.4





#11

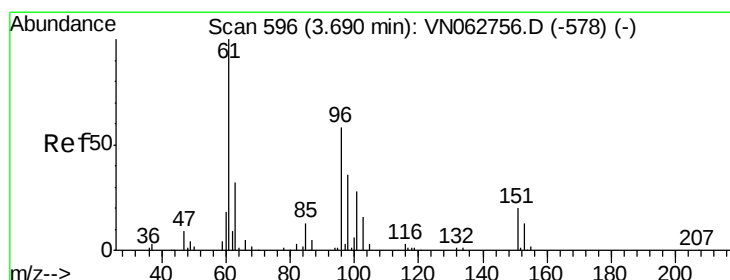
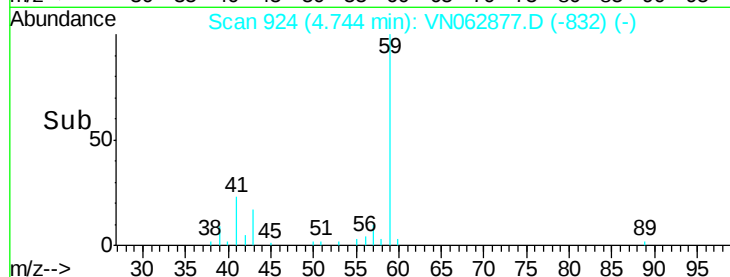
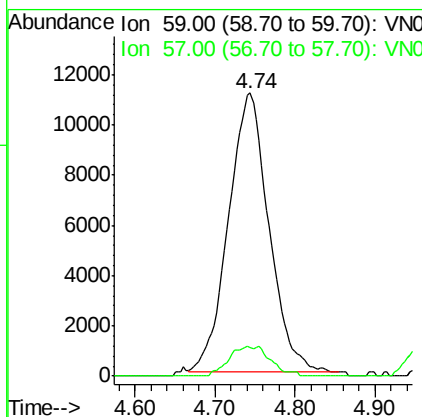
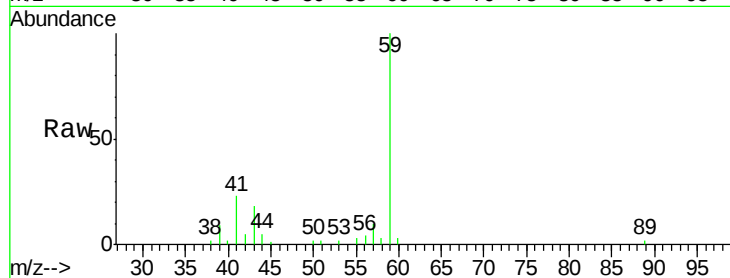
Tert butyl alcohol
 Concen: 86.481 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.4	8.3	12.5#

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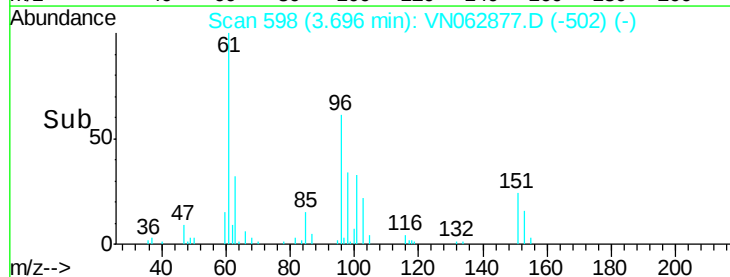
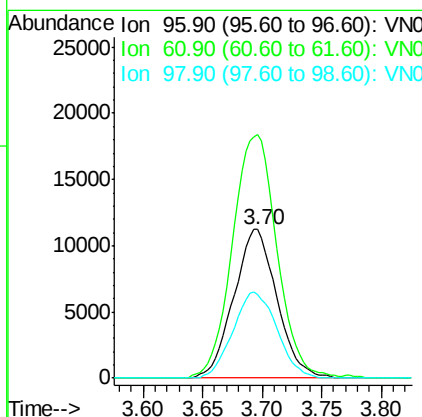
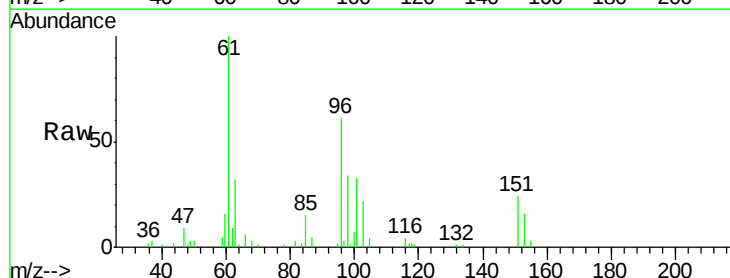
MMDadoda
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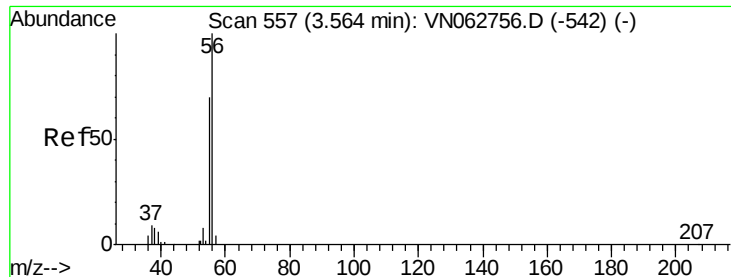


#12

1,1-Dichloroethene
 Concen: 19.539 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	139.0	208.6
98	55.9	50.2	75.4





#13

Acrolein

Concen: 60.269 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 56 Resp: 16158

Ion Ratio Lower Upper

56 100

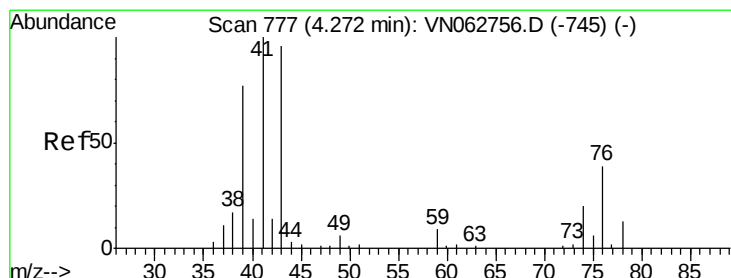
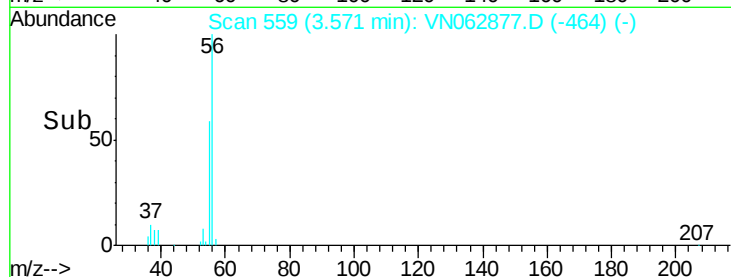
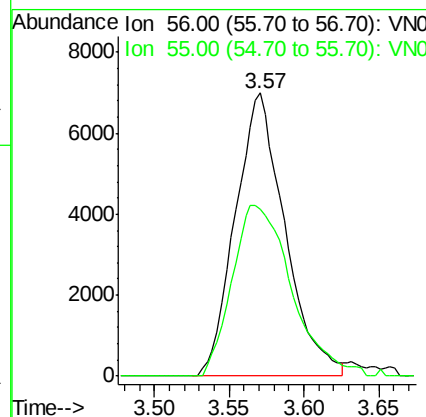
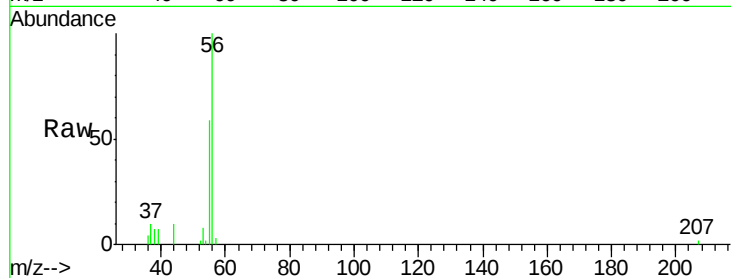
55 72.3 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.273 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

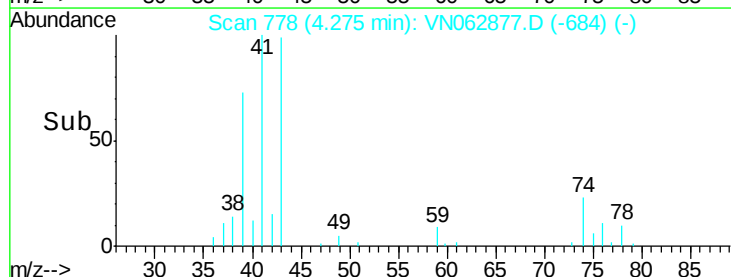
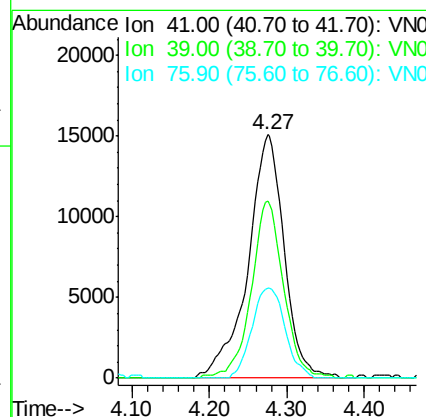
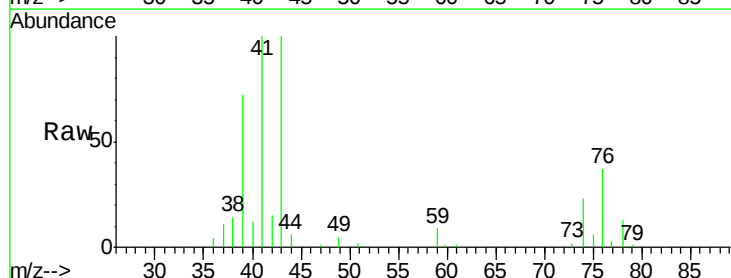
Tgt Ion: 41 Resp: 49407

Ion Ratio Lower Upper

41 100

39 65.0 55.7 83.5

76 33.9 27.5 41.3





#15

Acrylonitrile

Concen: 97.714 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

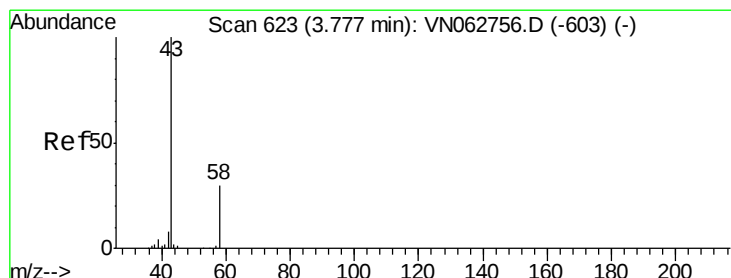
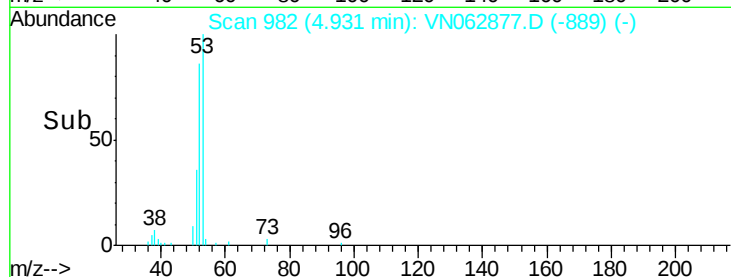
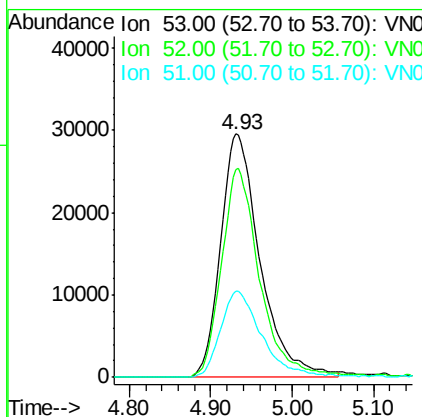
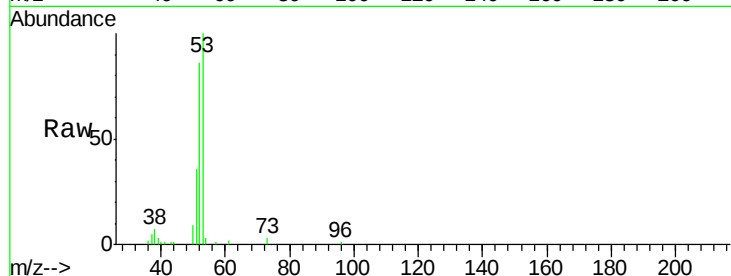
ClientSampleId :

VN0812WBSD02

Tot Ion:	53	Resp:	100353
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.8	100.2
51	36.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 88.990 ug/l

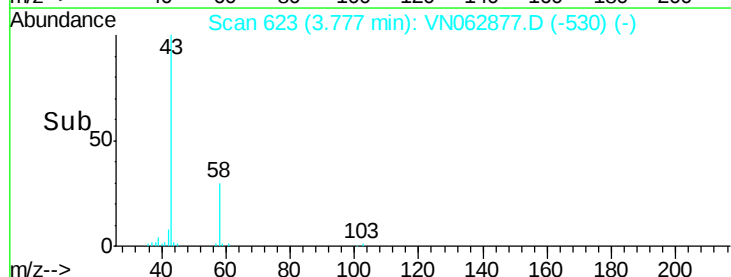
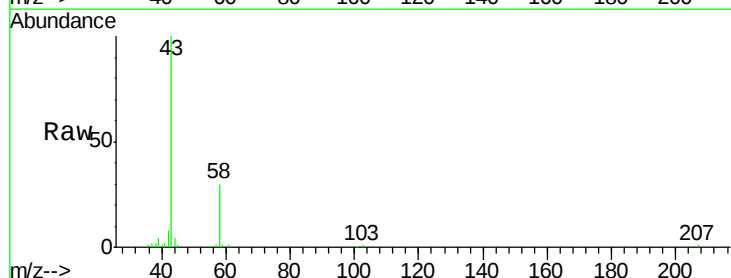
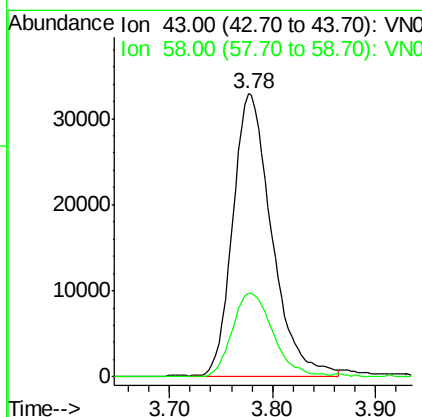
RT: 3.78 min Scan# 623

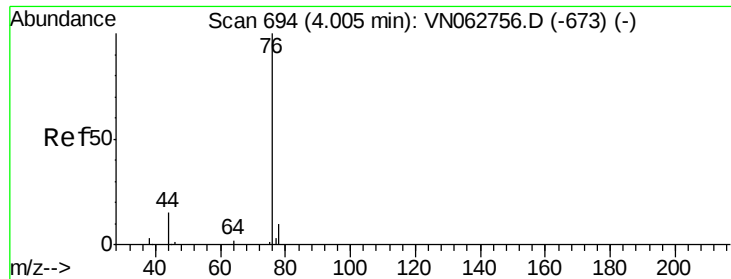
Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Tgt Ion:	43	Resp:	86873
Ion Ratio	Lower	Upper	
43	100		
58	29.7	24.1	36.1





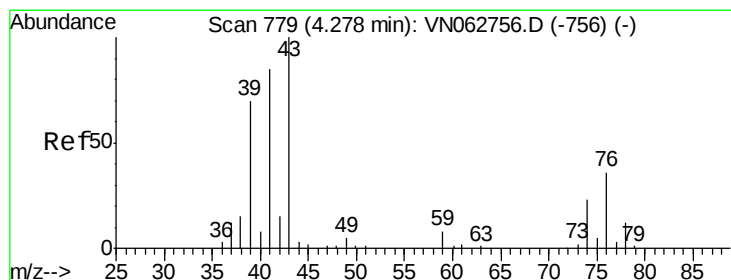
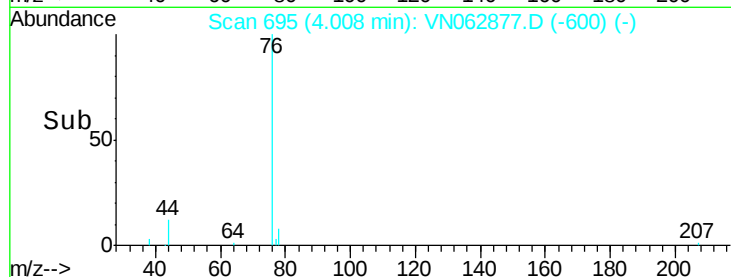
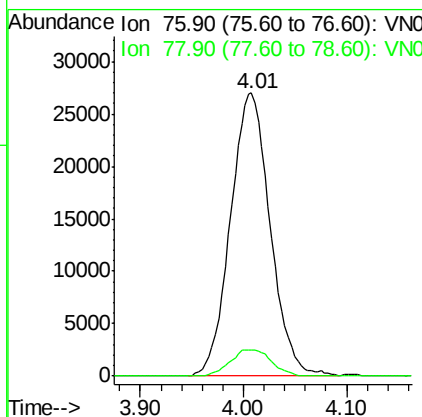
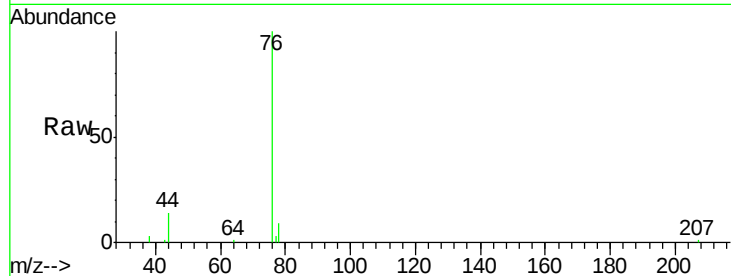
#17
Carbon Disulfide
Concen: 17.689 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion: 76 Resp: 72242
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5

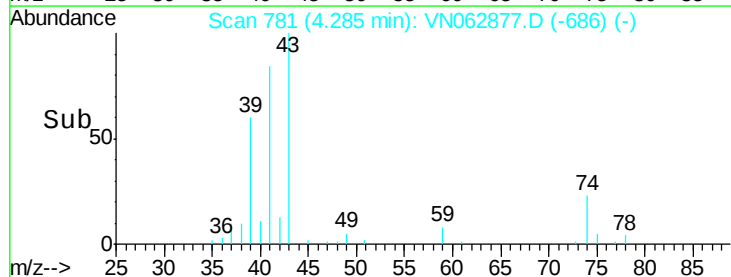
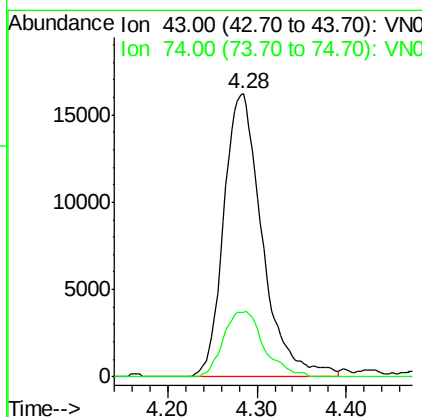
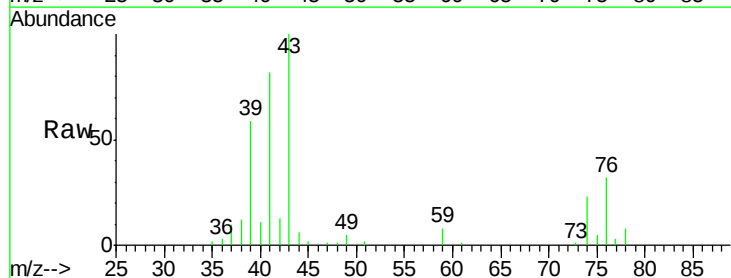
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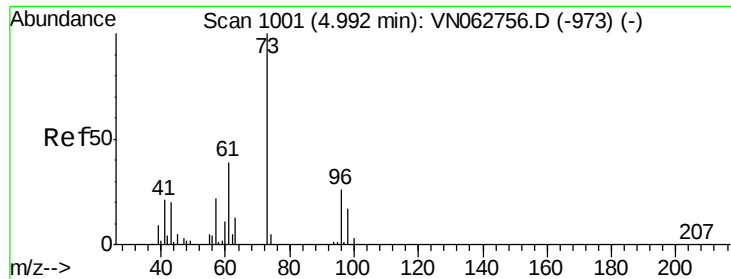
MMDadoda
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#18
Methyl Acetate
Concen: 20.315 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion: 43 Resp: 48453
Ion Ratio Lower Upper
43 100
74 24.3 18.6 28.0





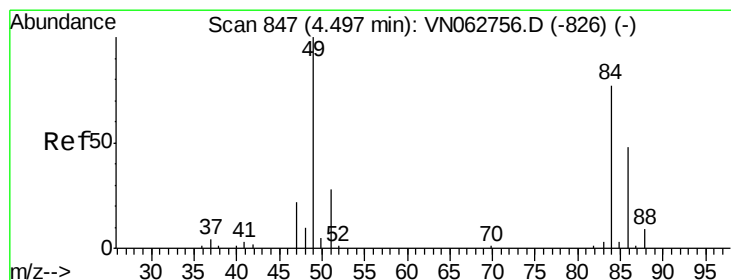
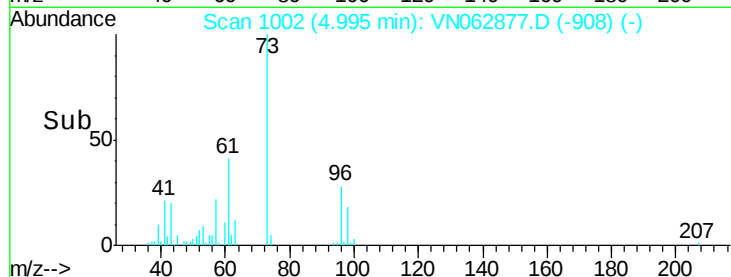
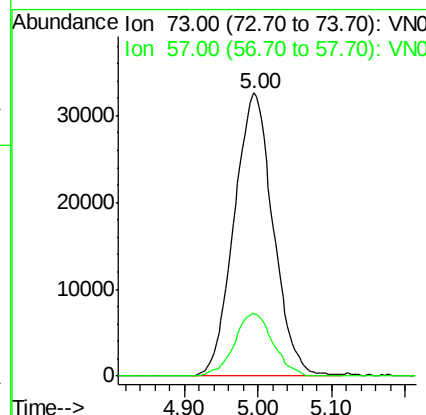
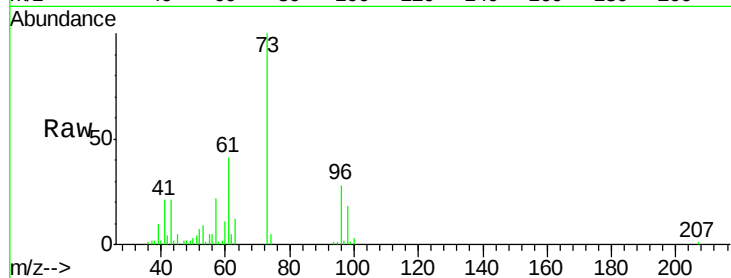
#19
Methvl tert-butvl Ether
Concen: 18.977 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	26.3

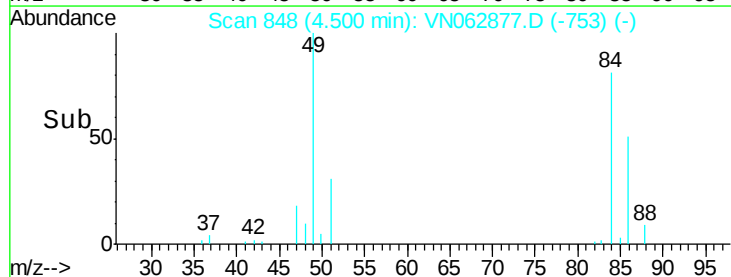
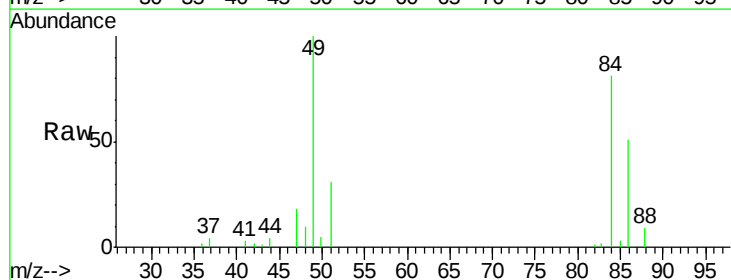
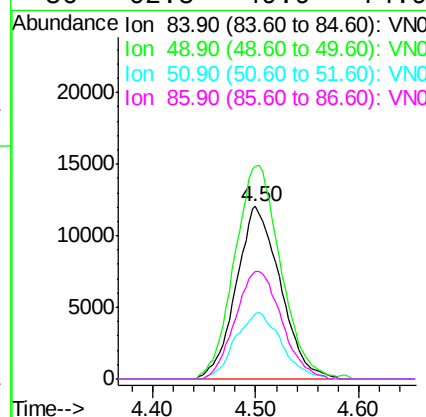
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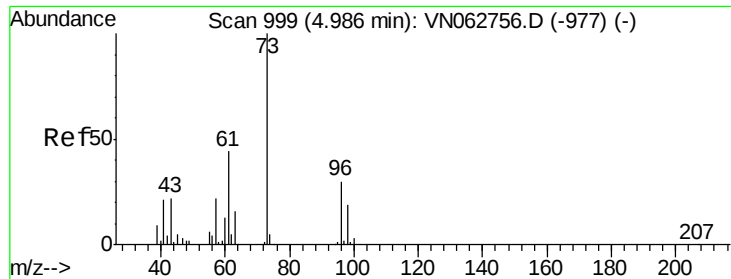
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#20
Methylene Chloride
Concen: 19.570 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	103.4	155.2
51	38.1	29.3	43.9
86	62.5	49.9	74.9





#21

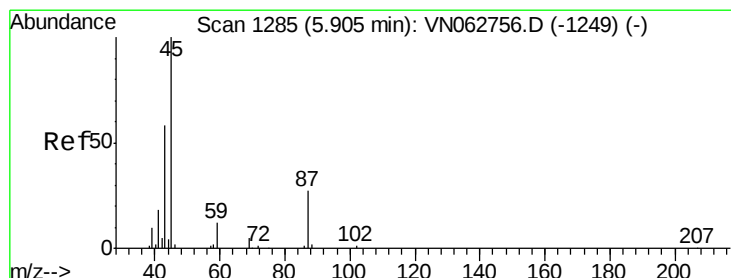
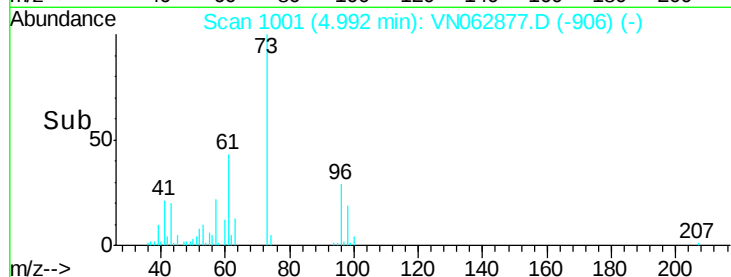
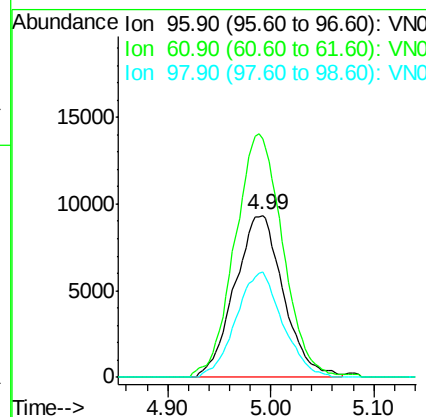
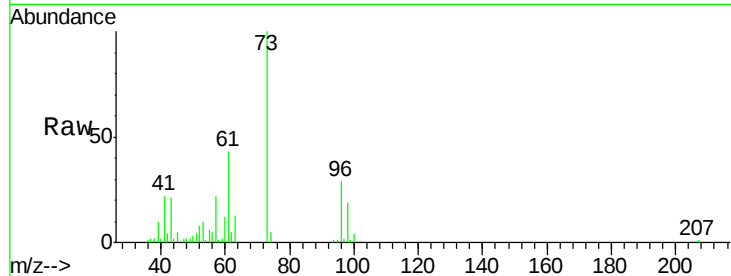
trans-1,2-Dichloroethene
Concen: 18.754 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	118.8	178.2
98	65.0	51.0	76.4

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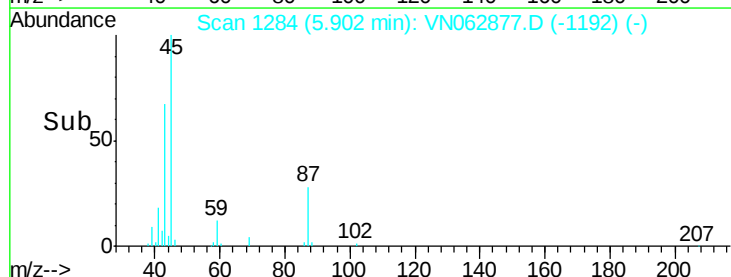
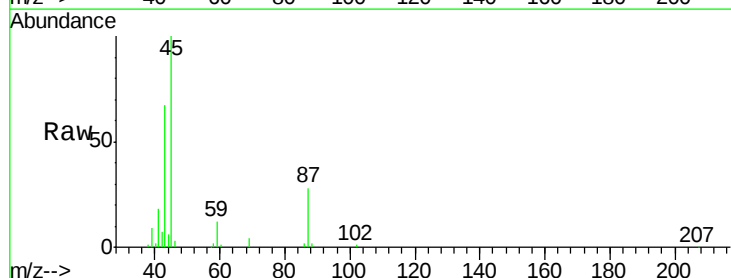
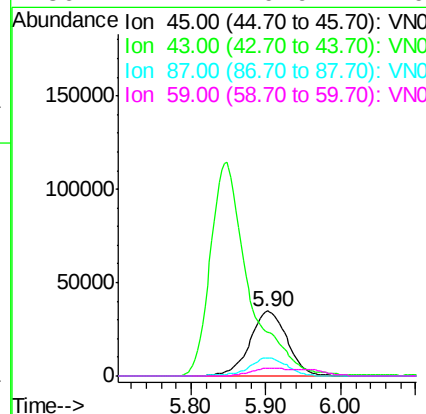
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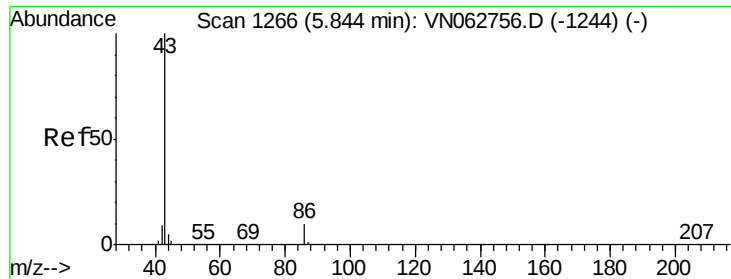


#22

Diisopropyl ether
Concen: 19.912 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	47.4	71.2
87	28.3	22.8	34.2
59	12.2	9.9	14.9





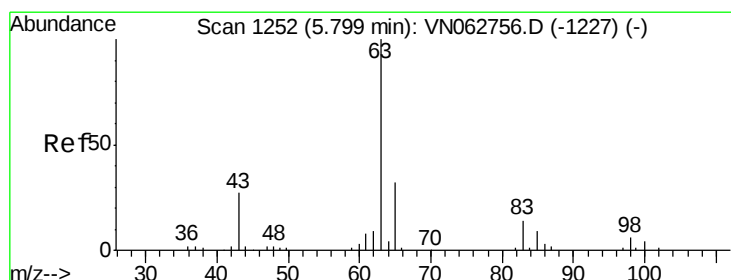
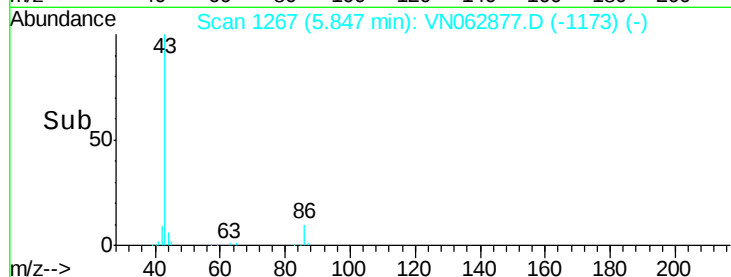
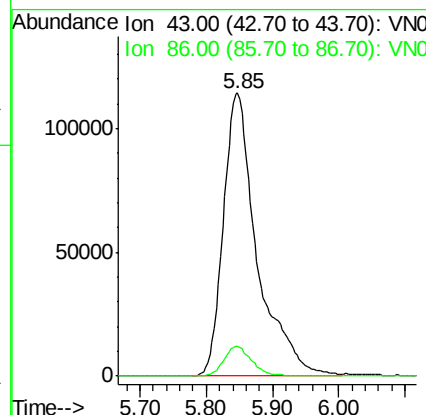
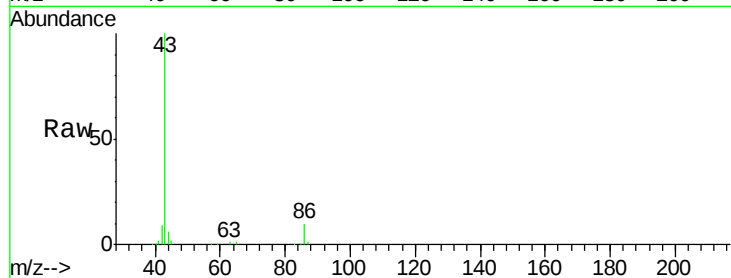
#23
 Vinyl Acetate
 Concen: 87.611 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	43	Resp	405756
Ion Ratio	100	Lower	Upper
43	100		
86	10.5	7.7	11.5

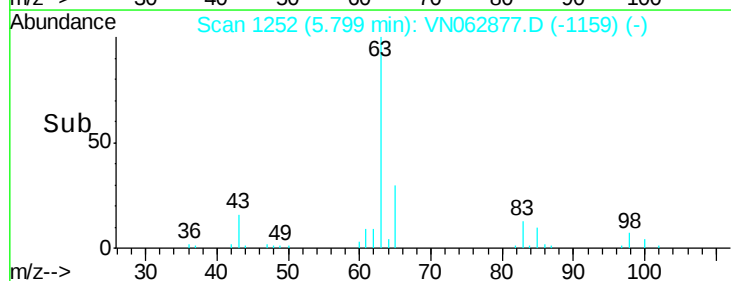
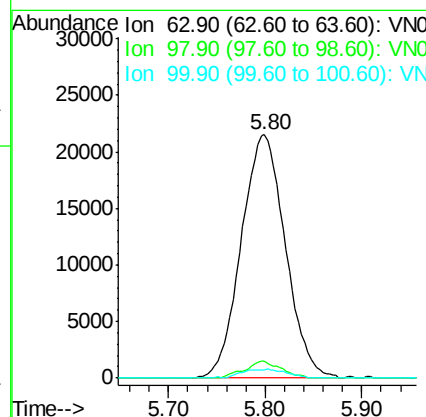
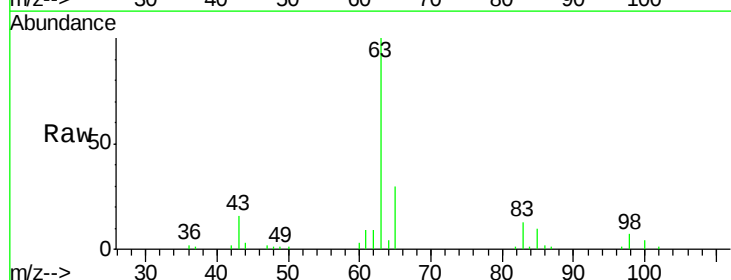
Manual Integrations
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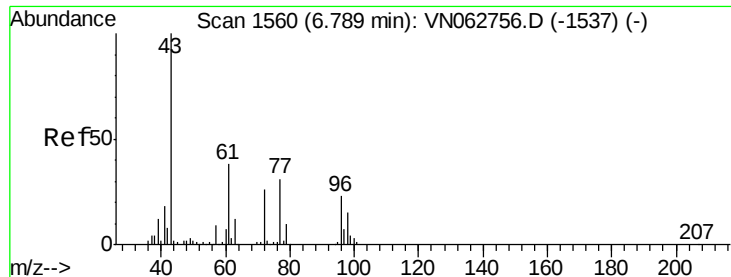
MMDadoda
 8/13/2020 10:56:07 AM



#24
 1,1-Dichloroethane
 Concen: 19.045 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	63	Resp	67956
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.0	9.2
100	3.5	1.9	5.7





#25

2-Butanone

Concen: 93.392 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 43 Resp: 129124

Ion Ratio Lower Upper

43 100

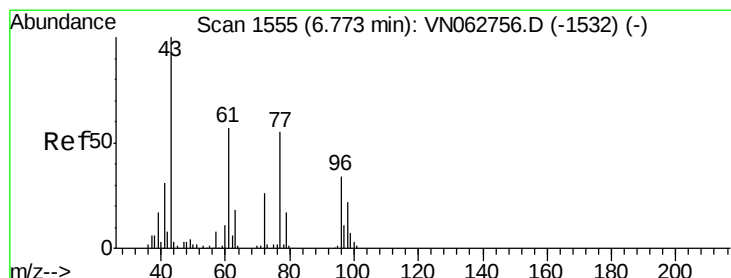
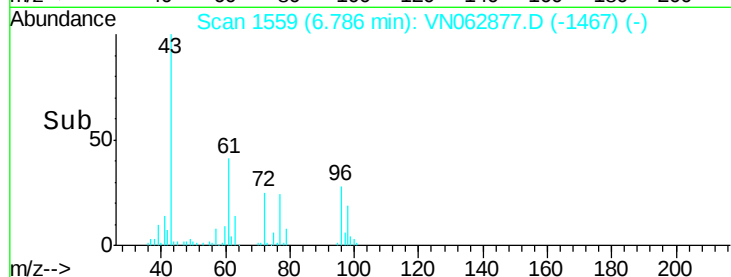
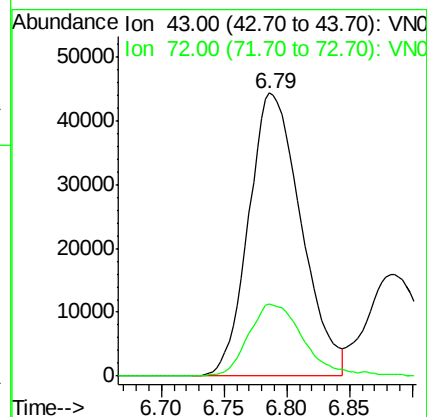
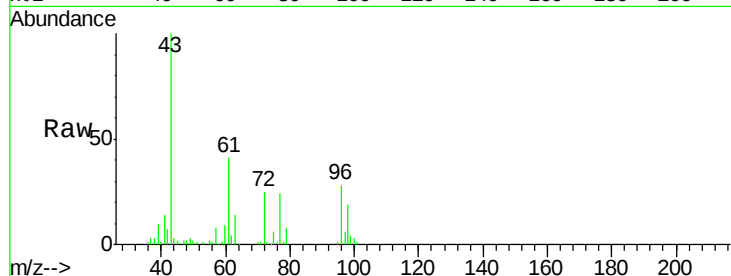
72 25.5 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 11.508 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062877.D

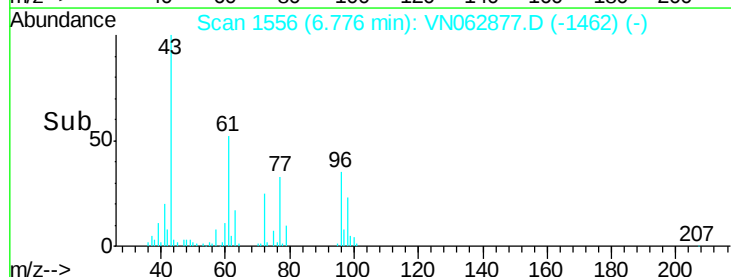
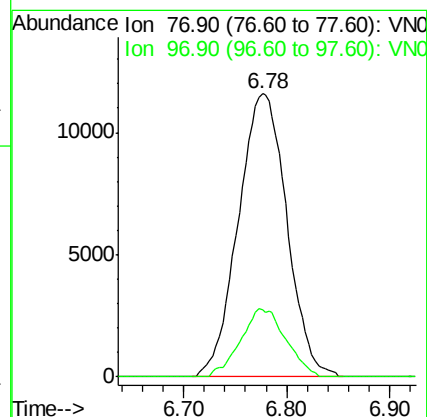
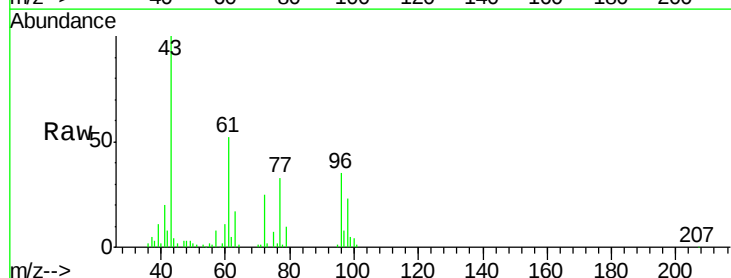
Acq: 13 Aug 2020 00:17

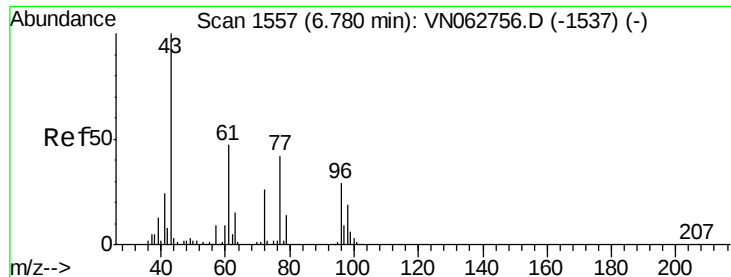
Tgt Ion: 77 Resp: 37852

Ion Ratio Lower Upper

77 100

97 22.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 18.852 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

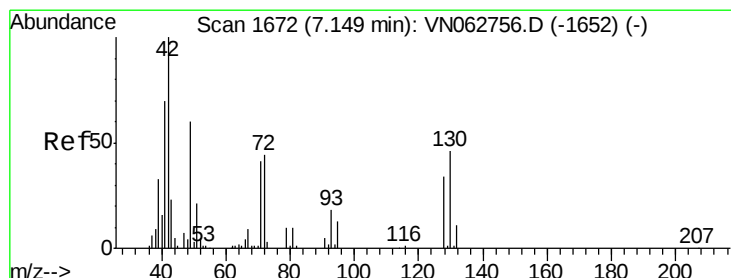
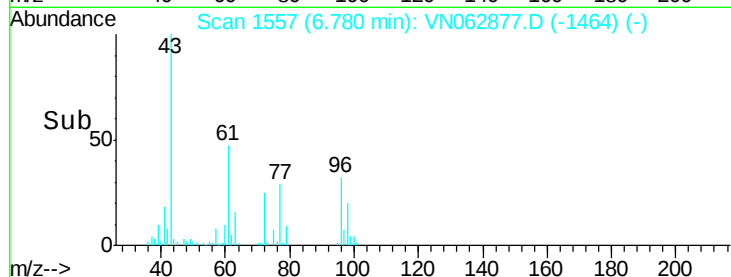
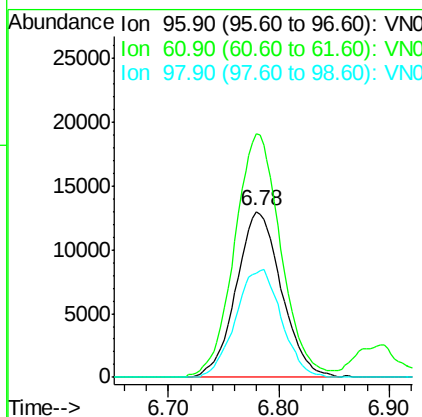
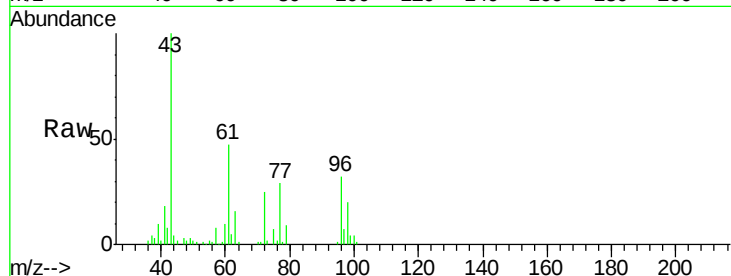
ClientSampleId :

VN0812WBSD02

Tot Ion:	96	Resp:	36973
Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	332.2
98	65.6	0.0	129.4

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#28

Bromochloromethane

Concen: 18.910 ug/l

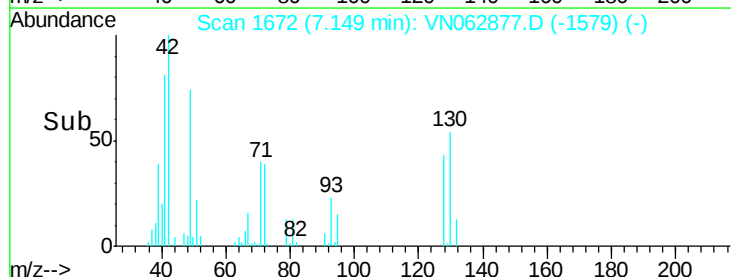
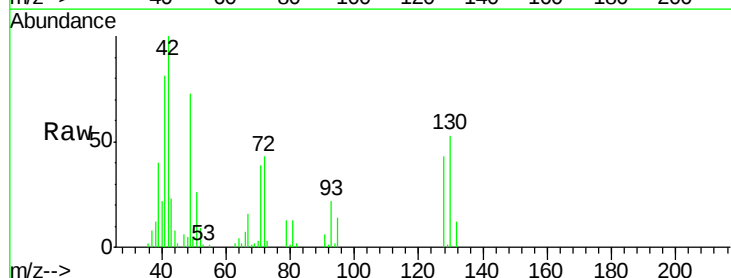
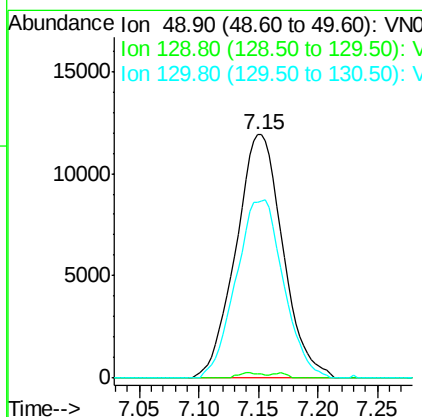
RT: 7.15 min Scan# 1672

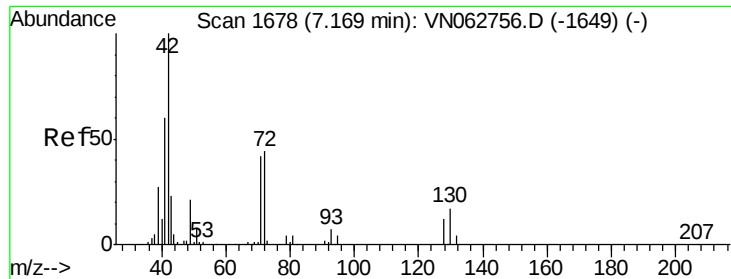
Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Tgt Ion:	49	Resp:	32565
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	73.8	59.0	88.6





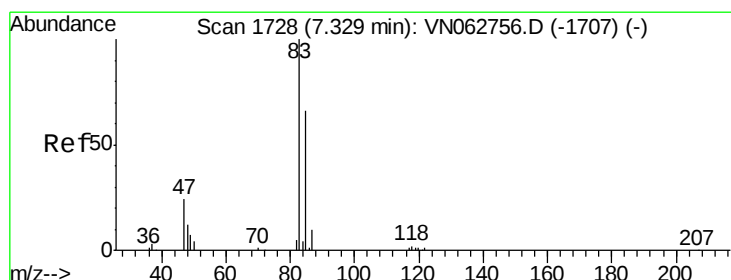
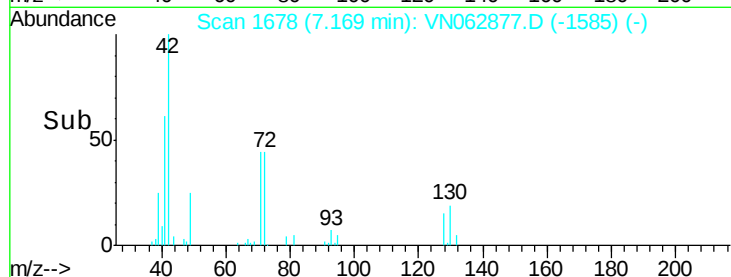
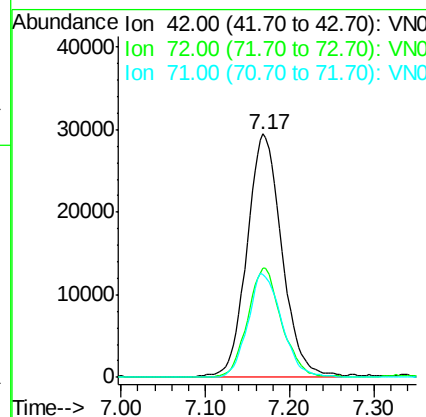
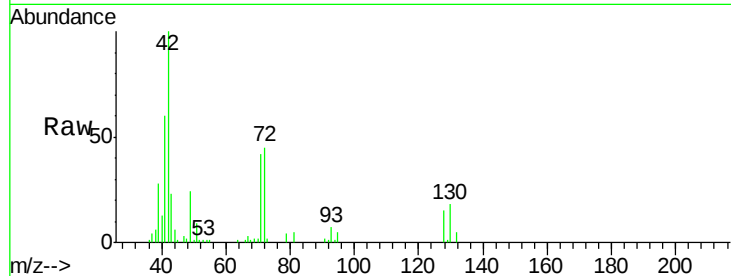
#29
Tetrahydrofuran
Concen: 94.680 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.0	52.4
71	41.4	33.2	49.8

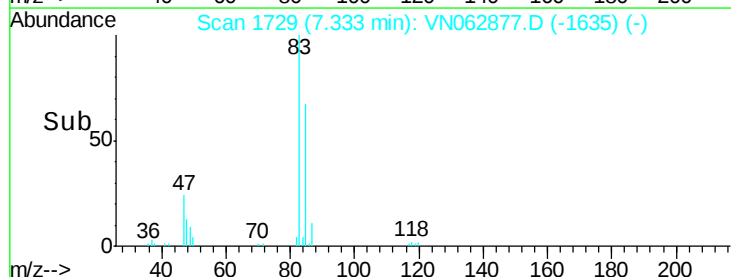
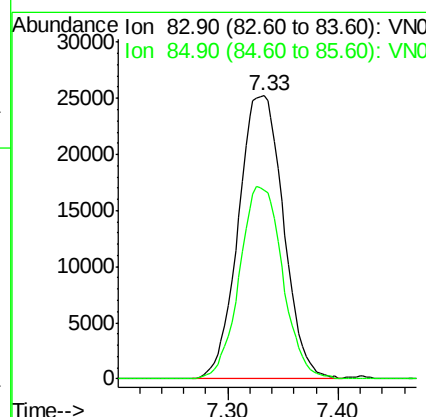
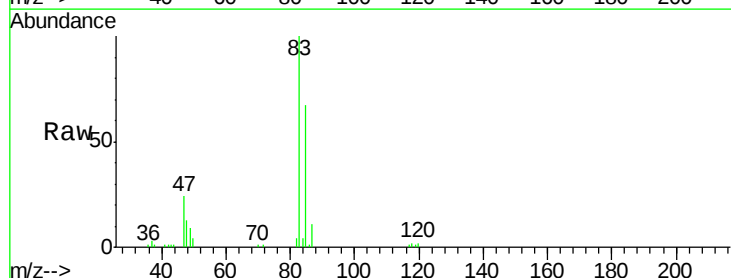
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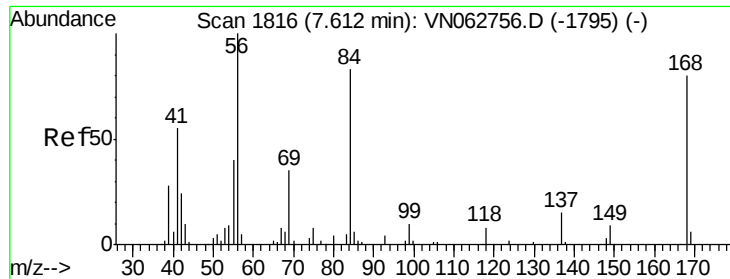
MMDadoda
8/13/2020 10:56:07 AM



#30
Chloroform
Concen: 18.856 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.7	79.1





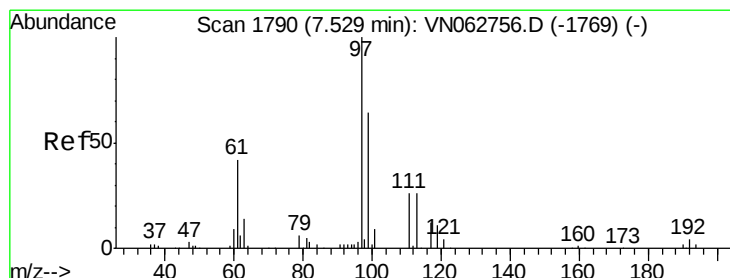
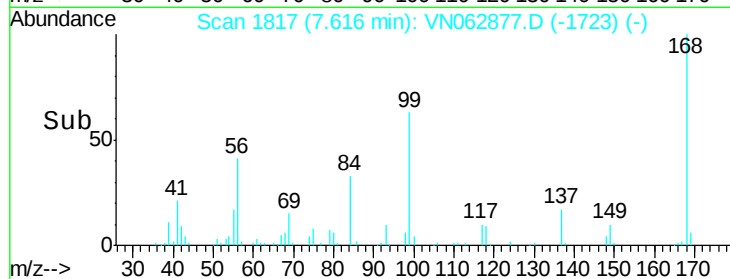
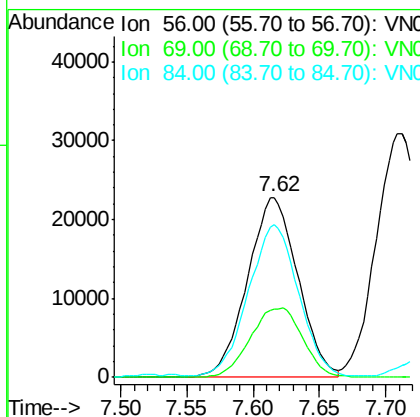
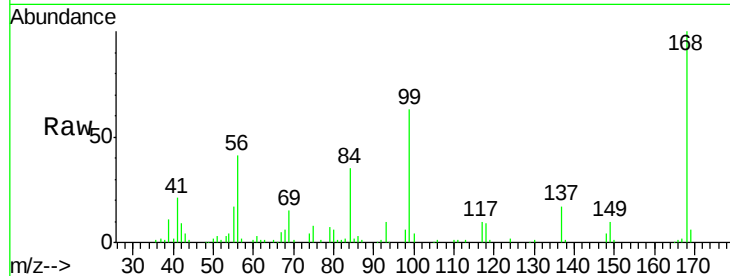
#31
Cyclohexane
Concen: 18.495 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	28.1	42.1
84	84.2	66.8	100.2

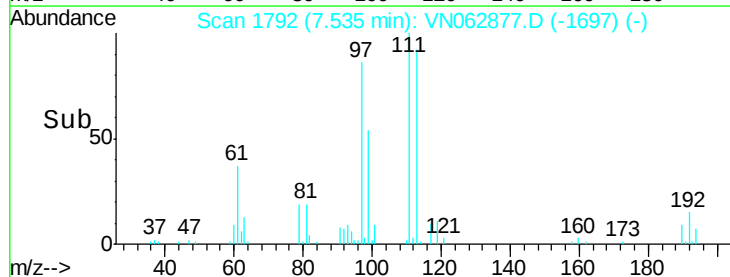
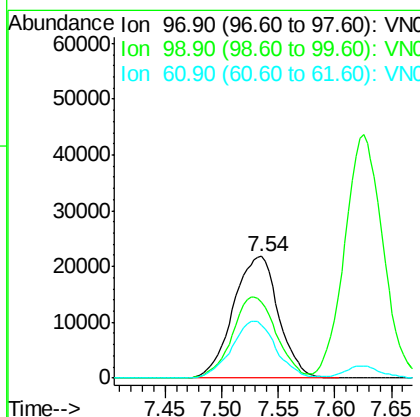
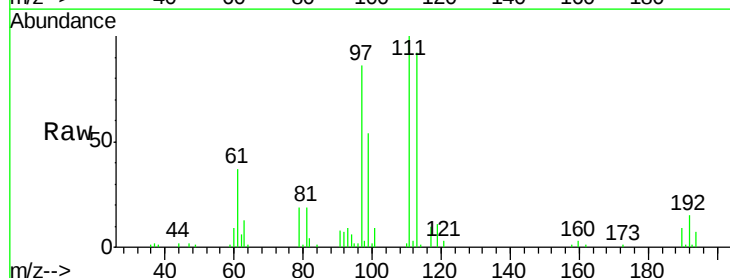
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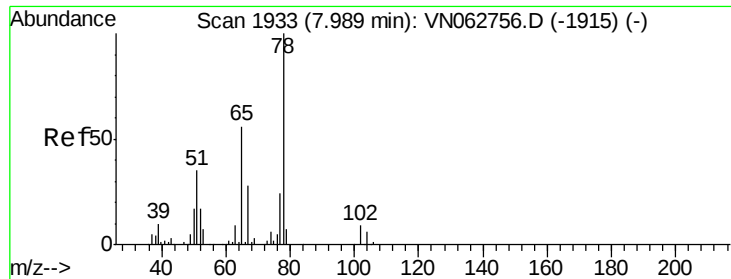
MMDadoda
8/13/2020 10:56:07 AM



#32
1,1,1-Trichloroethane
Concen: 17.897 ug/l
RT: 7.54 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.0	75.0
61	45.2	34.8	52.2





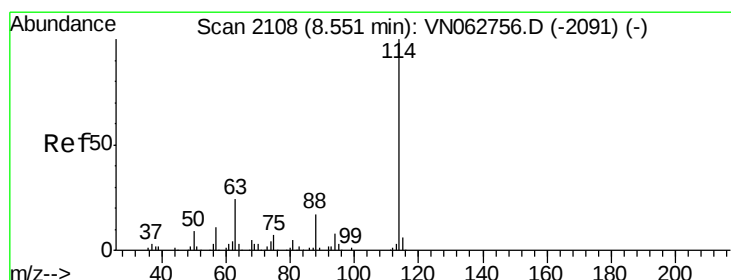
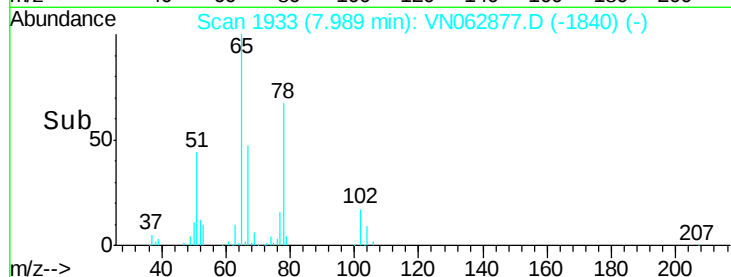
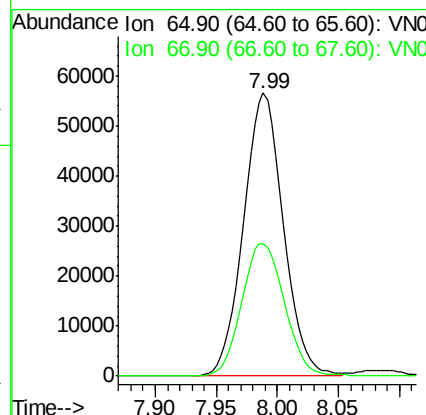
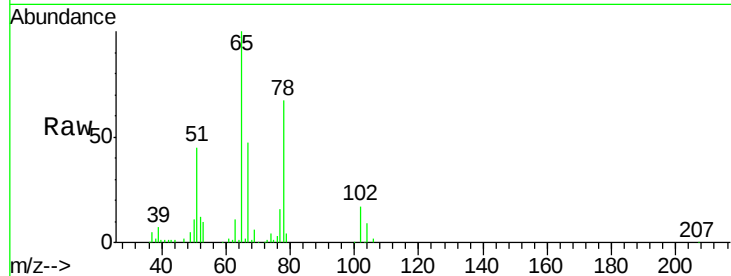
#33
 1,2-Dichloroethane-d4
 Concen: 47.287 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127753		
67	50.0	0.0	101.4	

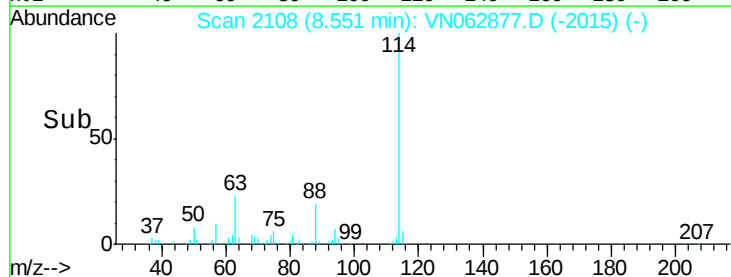
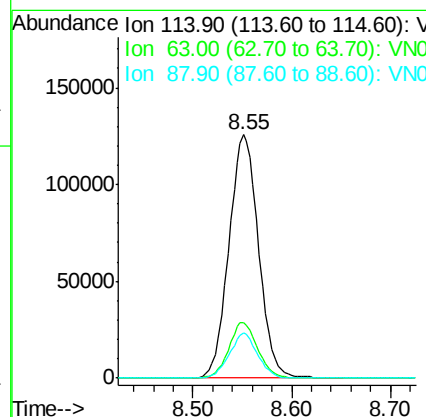
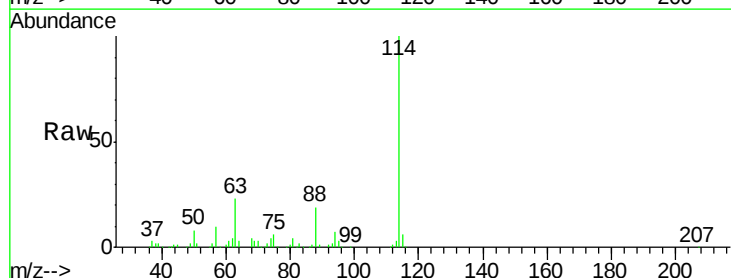
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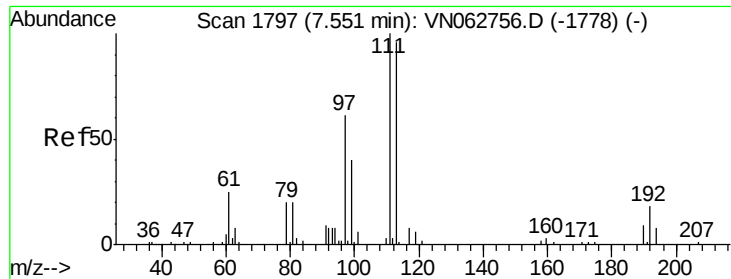
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 8/13/2020 10:56:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	263370		
63	22.9	0.0	47.6	
88	18.6	0.0	34.4	





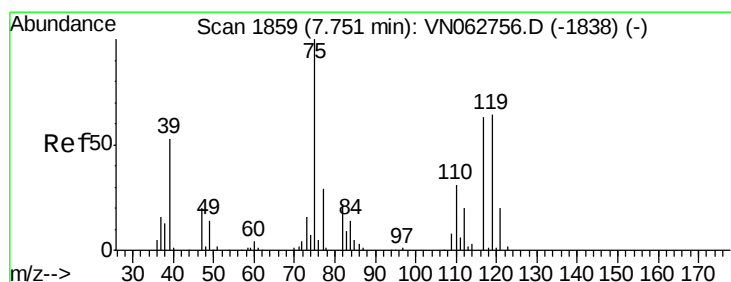
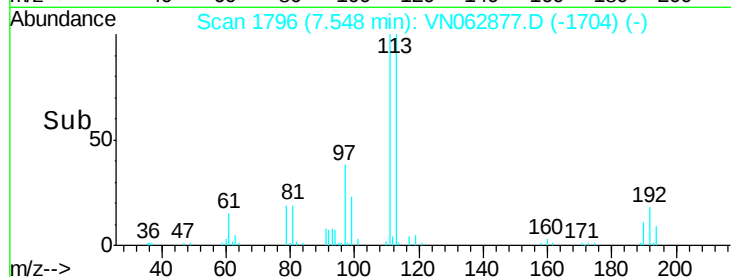
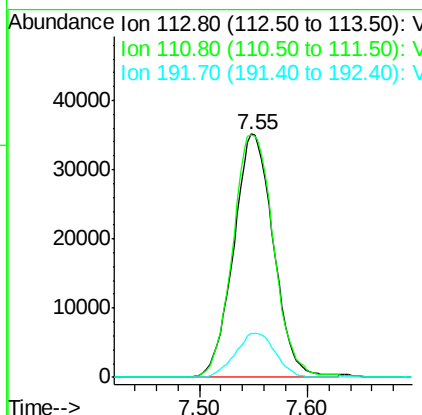
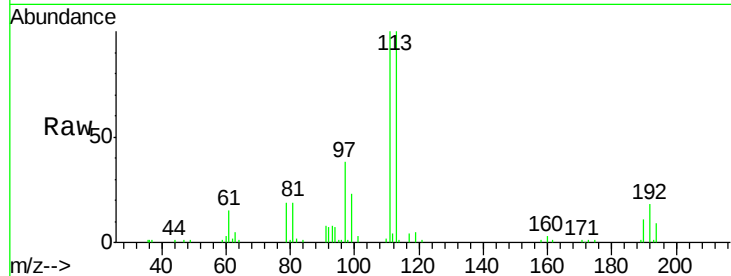
#35
 Dibromofluoromethane
 Concen: 50.011 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90100		
111	102.3		81.8	122.6
192	18.2		15.0	22.4

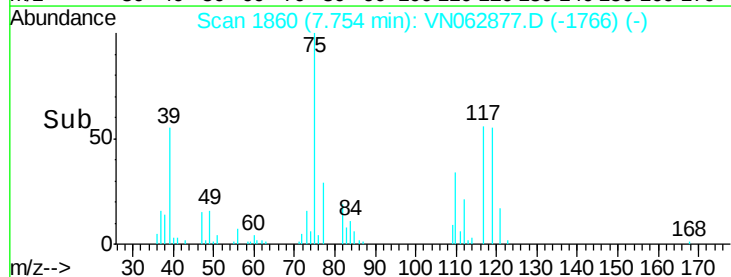
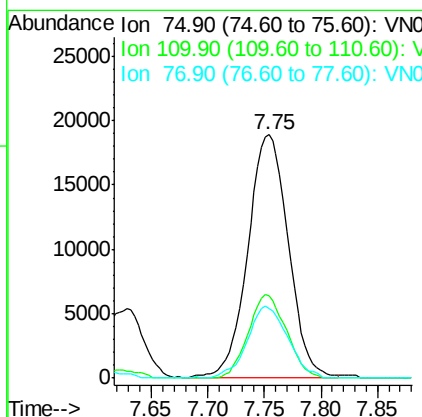
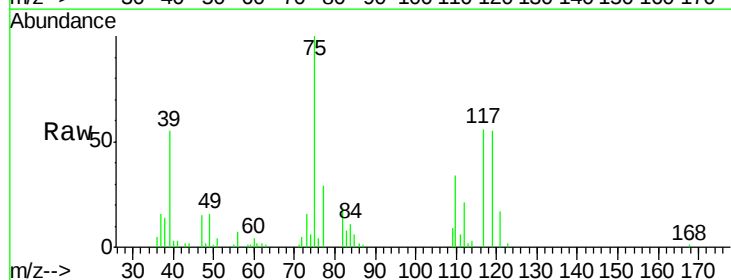
Manual Integrations
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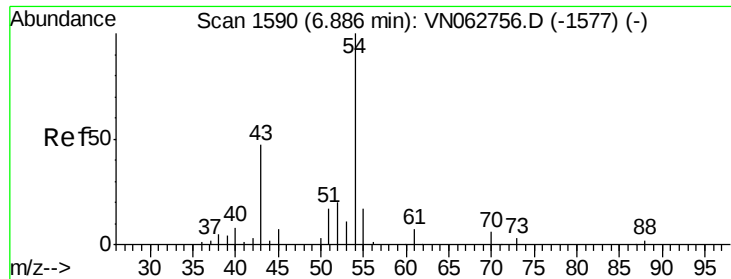
MMDadoda
 8/13/2020 10:56:07 AM



#36
 1,1-Dichloropropene
 Concen: 18.389 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47158		
110	32.0		15.6	46.7
77	29.2		24.1	36.1





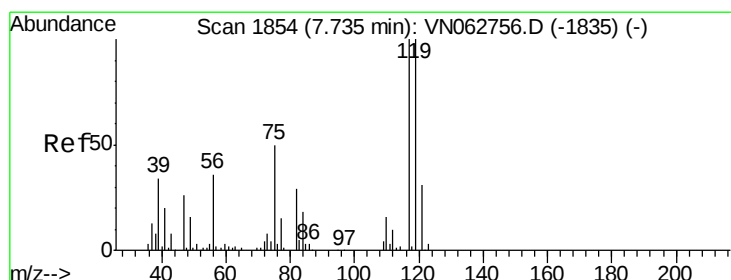
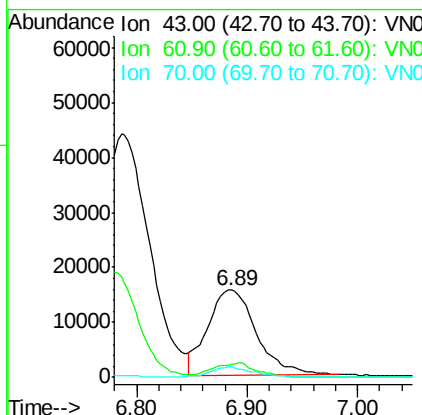
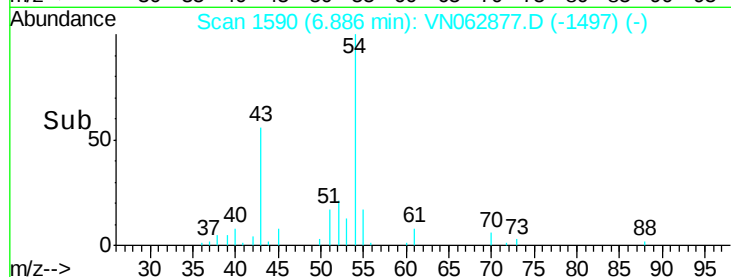
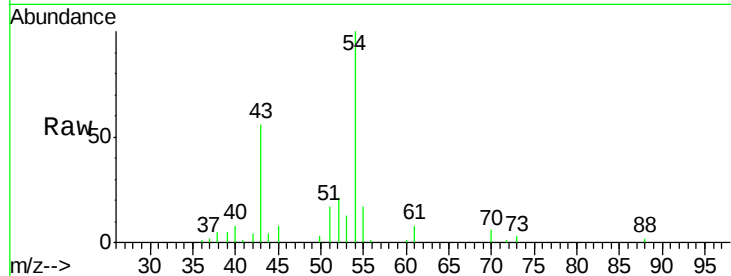
#37
Ethyl Acetate
Concen: 17.973 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion:	43	Resp:	48146
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.1	18.1
70	10.4	8.3	12.5

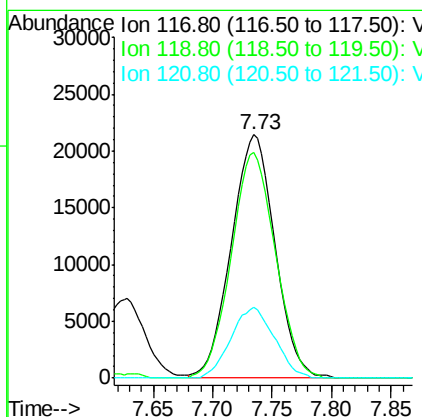
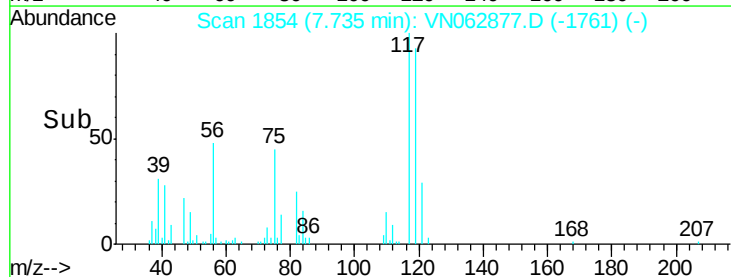
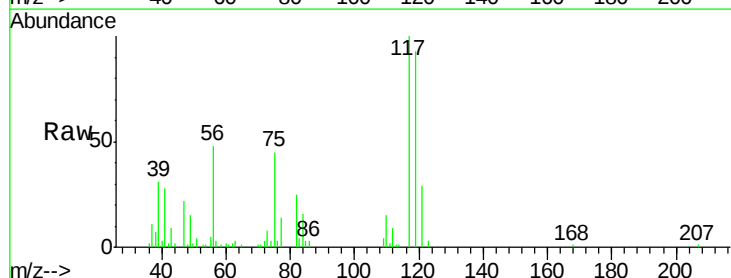
Manual Integrations
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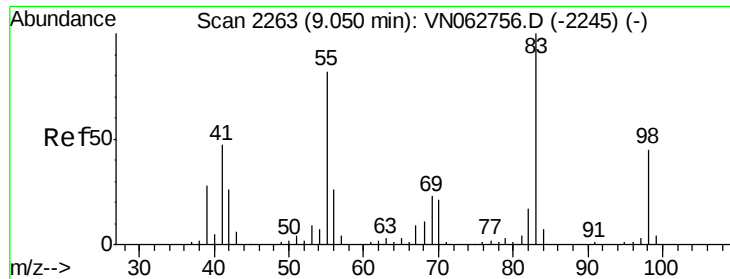
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#38
Carbon Tetrachloride
Concen: 17.961 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion:	117	Resp:	54476
Ion	Ratio	Lower	Upper
117	100		
119	92.6	79.4	119.2
121	29.1	24.9	37.3





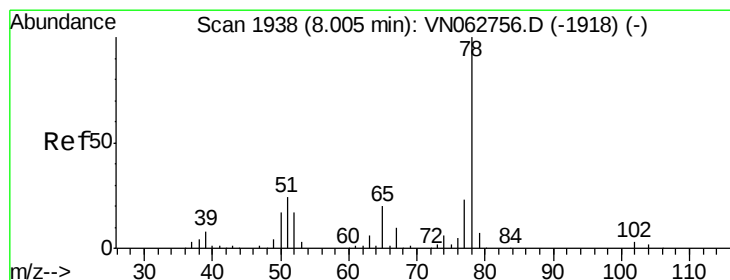
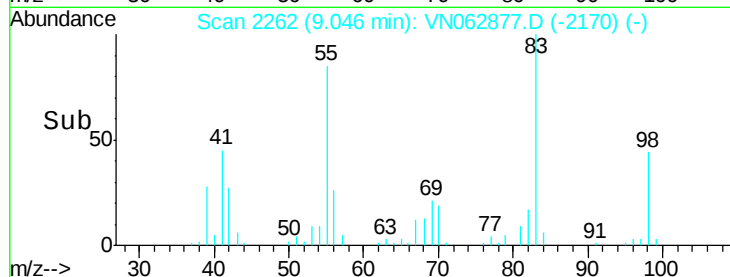
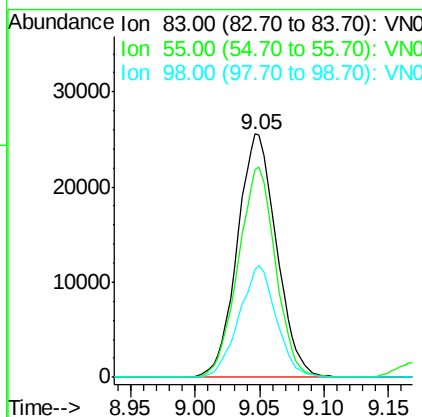
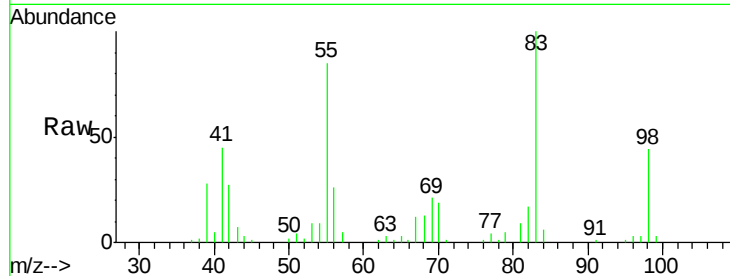
#39
Methvlcvclohexane
Concen: 17.539 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.1	65.7	98.5
98	44.1	35.6	53.4

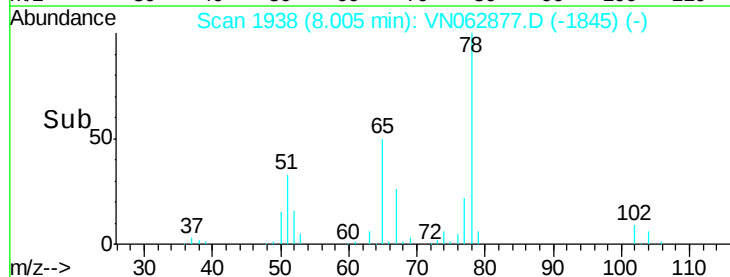
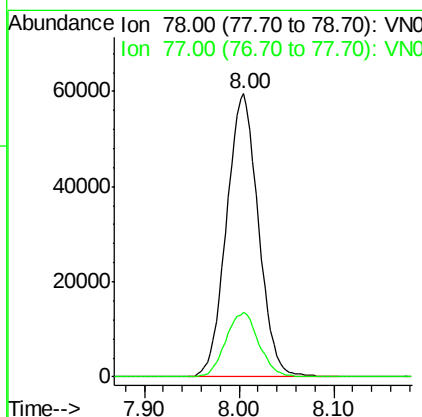
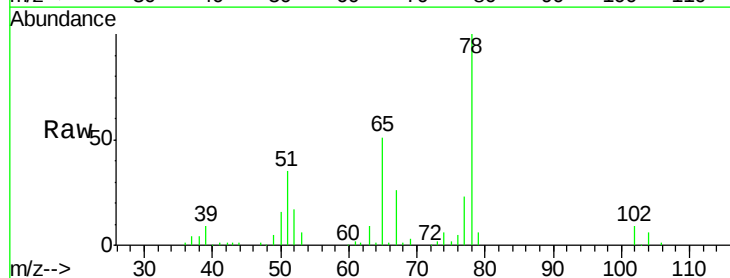
Manual Integrations
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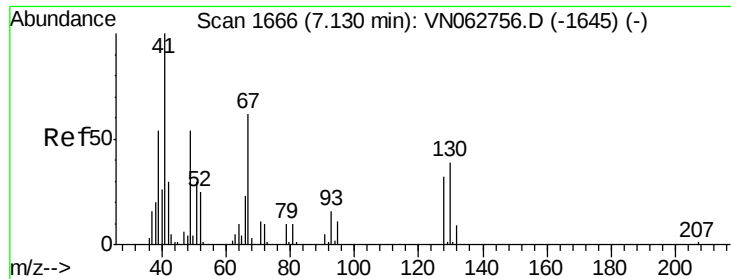
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#40
Benzene
Concen: 18.196 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.1	27.1





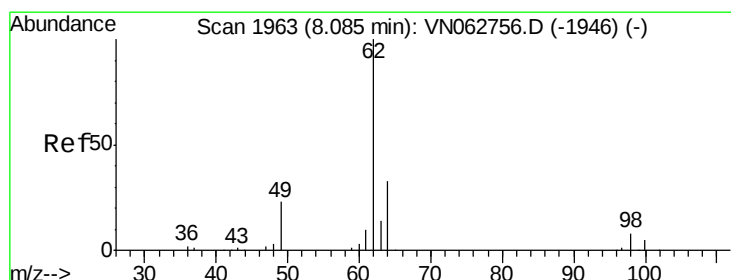
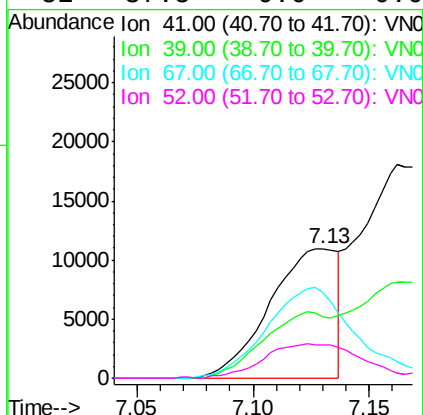
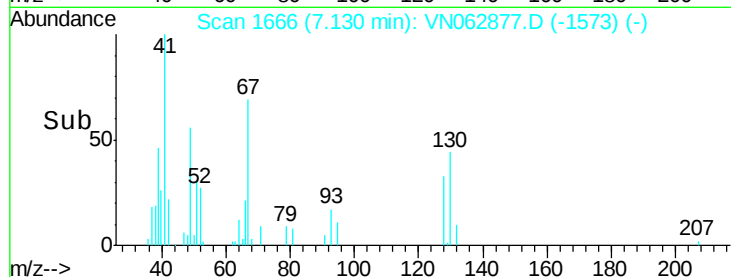
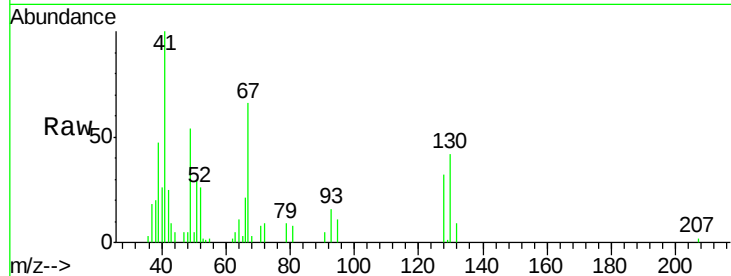
#41
Methacrylonitrile
Concen: 18.477 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		22335		
39	49.0	69.4	104.2#		
67	92.0	0.0	0.0#		
52	37.5	0.0	0.0#		

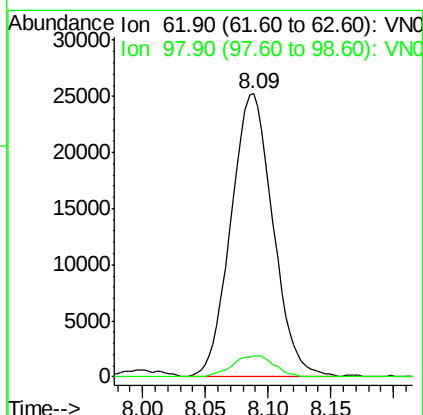
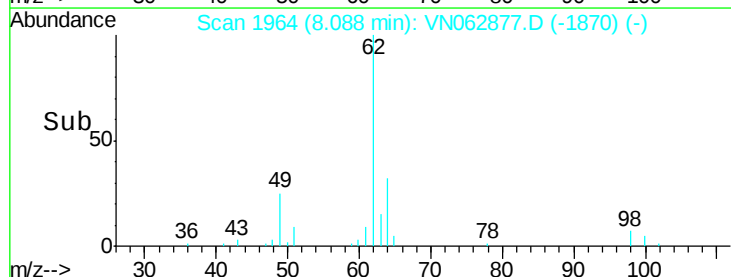
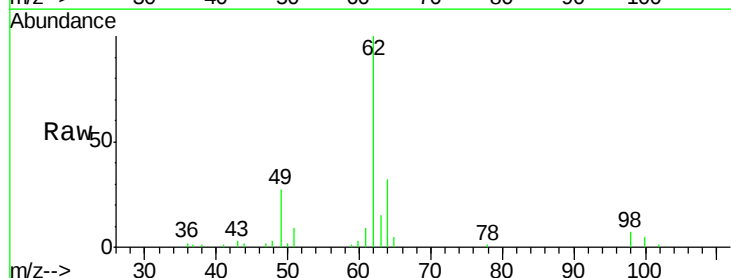
Manual Integrations
APPROVED

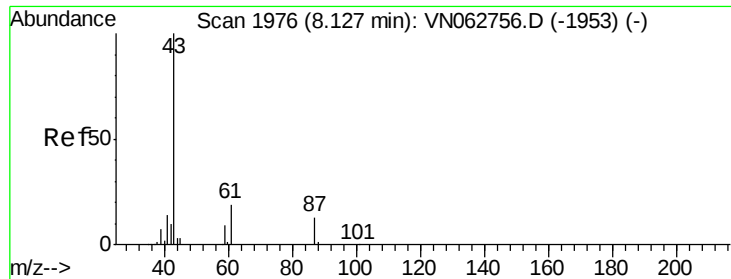
MMDadoda
8/13/2020 10:56:07 AM



#42
1,2-Dichloroethane
Concen: 18.059 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		58817		
98	7.5	0.0	15.8		





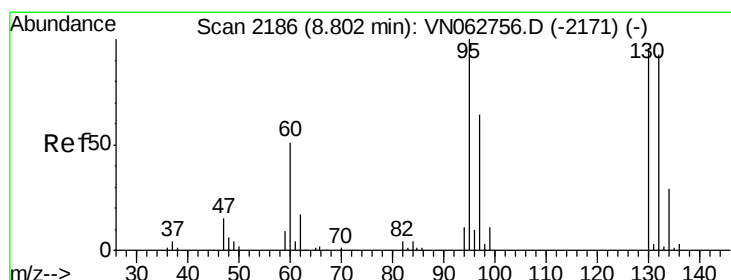
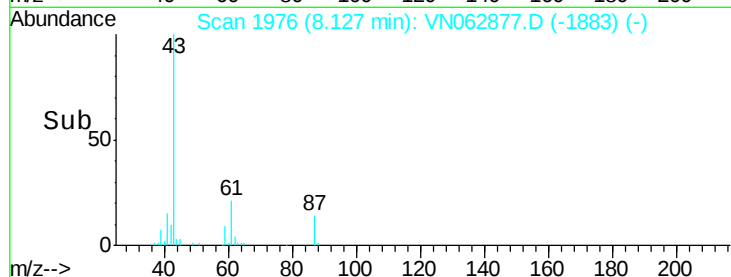
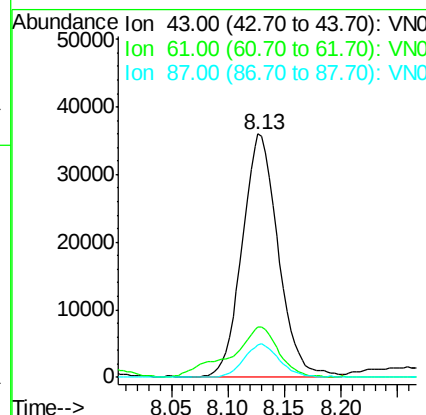
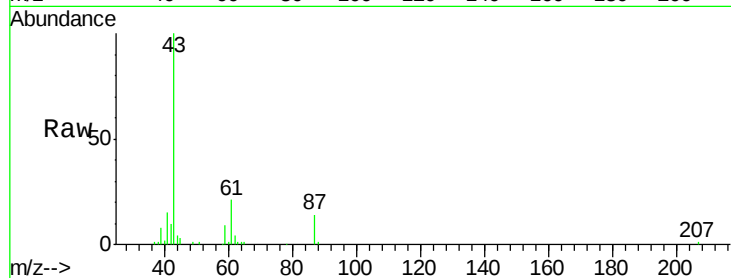
#43
Isopropyl Acetate
Concen: 17.947 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	15.8	23.6#
87	13.3	9.9	14.9

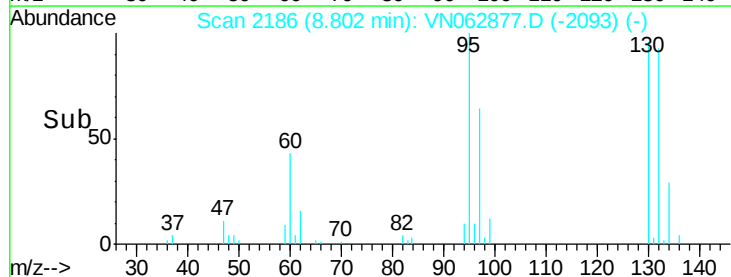
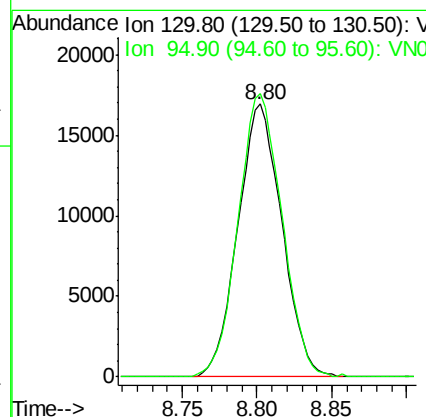
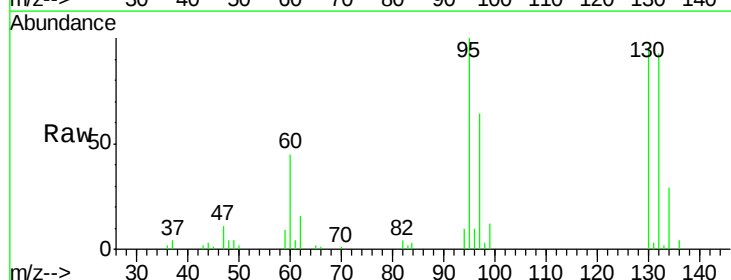
Manual Integrations
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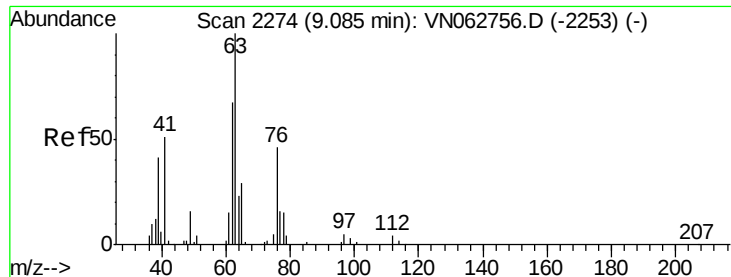
MMDadoda
8/13/2020 10:56:07 AM



#44
Trichloroethene
Concen: 18.572 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	207.6





#45

1,2-Dichloropropane

Concen: 19.381 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 63 Resp: 40141

Ion Ratio Lower Upper

63 100

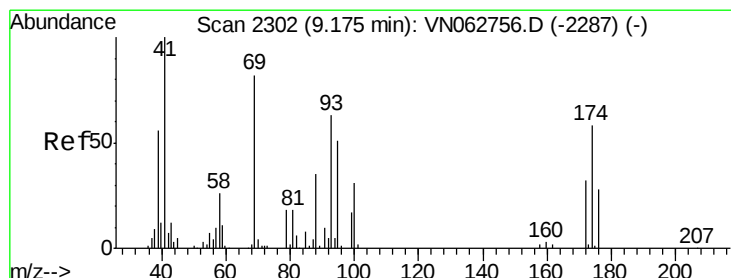
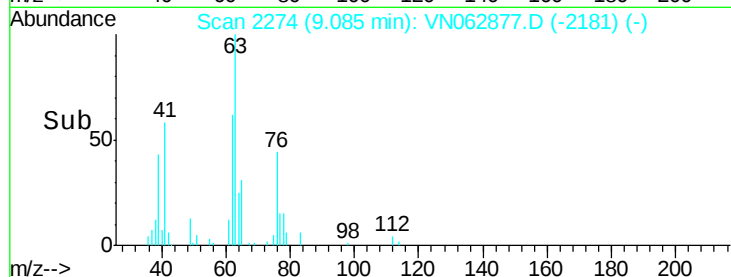
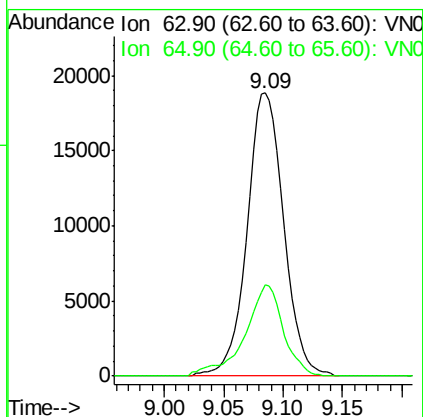
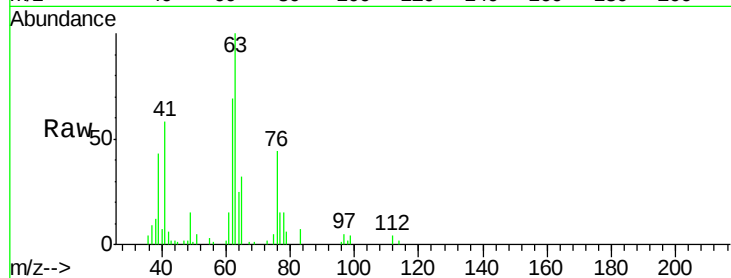
65 32.3 23.5 35.3

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#46

Dibromomethane

Concen: 19.339 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

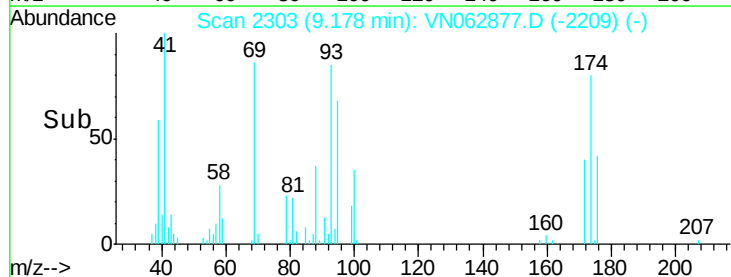
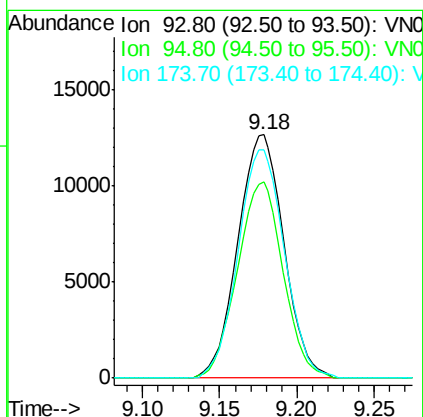
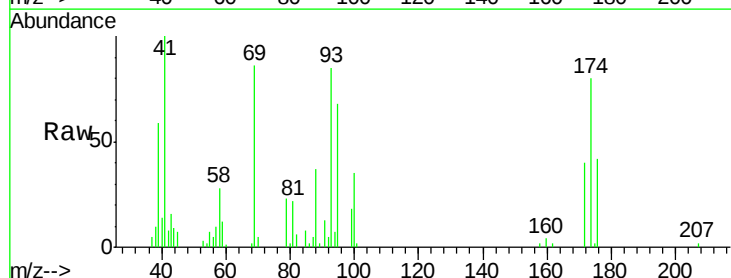
Tgt Ion: 93 Resp: 26244

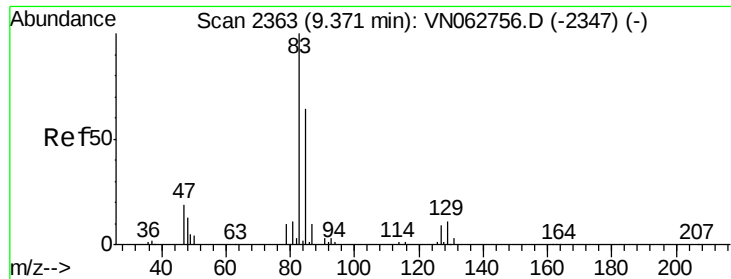
Ion Ratio Lower Upper

93 100

95 80.0 65.1 97.7

174 94.5 73.9 110.9





#47

Bromodichloromethane

Concen: 19.422 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

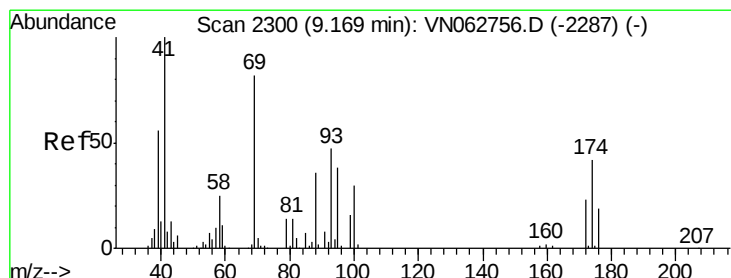
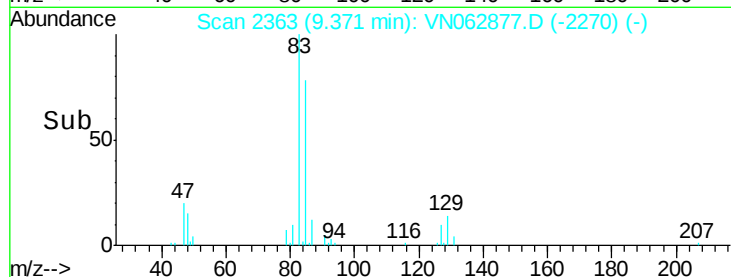
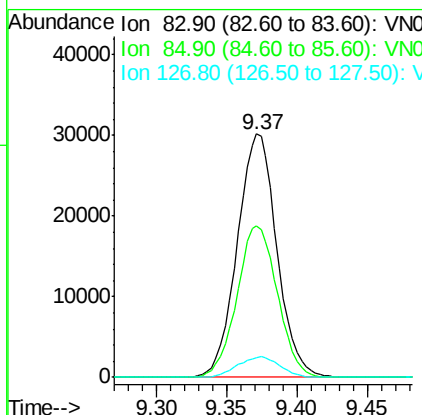
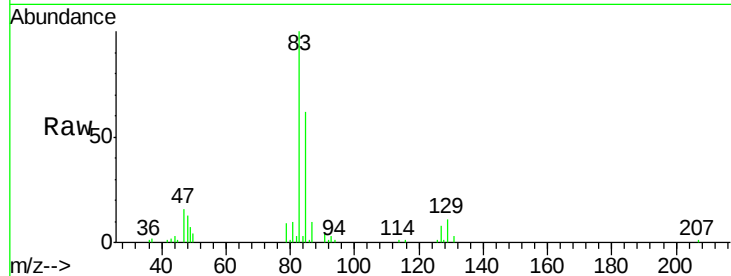
ClientSampleId :

VN0812WBSD02

Tot Ion:	83	Resp:	59196
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.0
127	8.1	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.145 ug/l

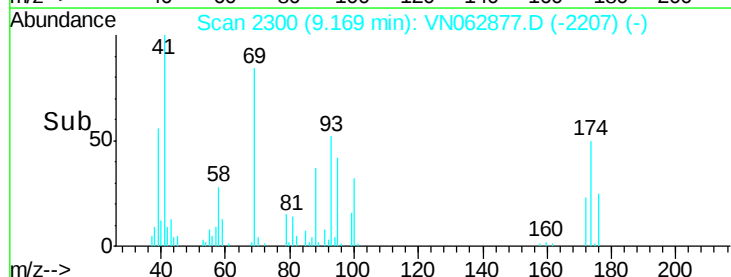
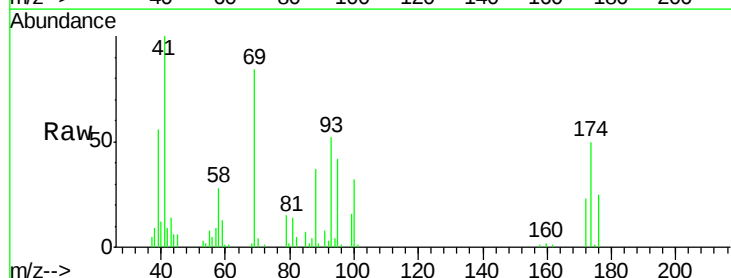
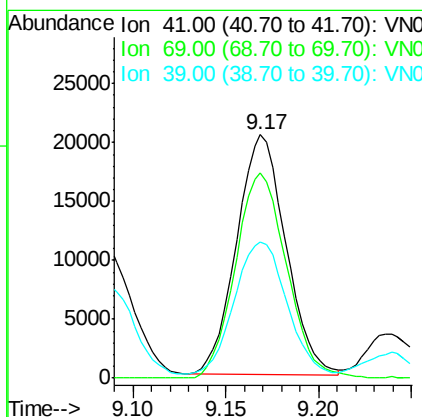
RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Tgt Ion:	41	Resp:	37681
Ion	Ratio	Lower	Upper
41	100		
69	88.5	67.4	101.2
39	62.2	47.6	71.4





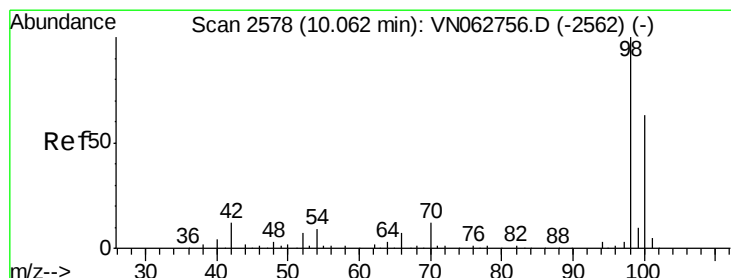
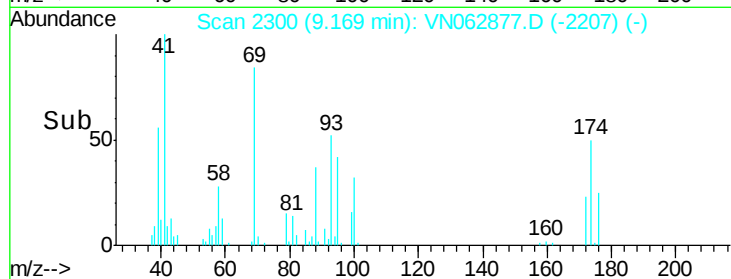
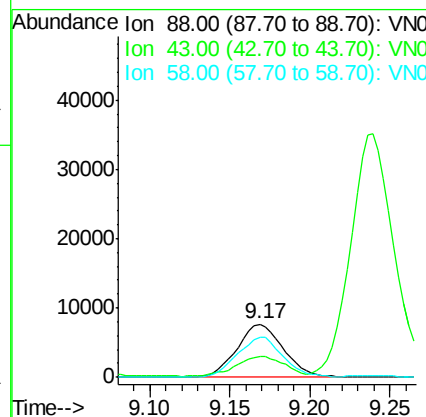
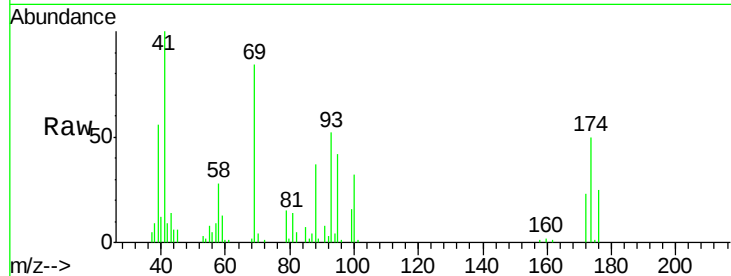
#49
1,4-Dioxane
Concen: 371.116 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	29.5	44.3
58	75.0	59.8	89.8

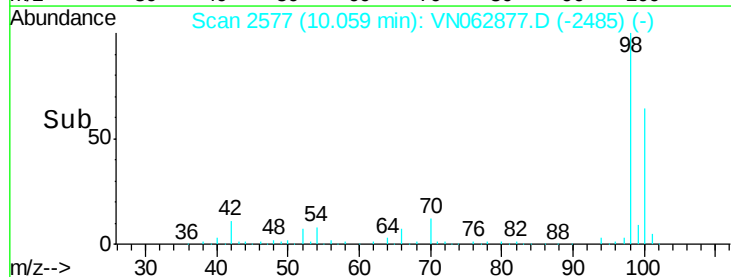
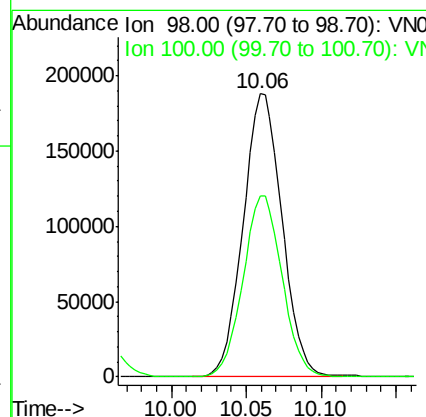
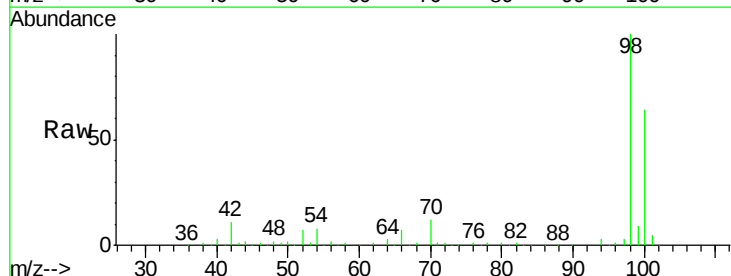
Manual Integrations
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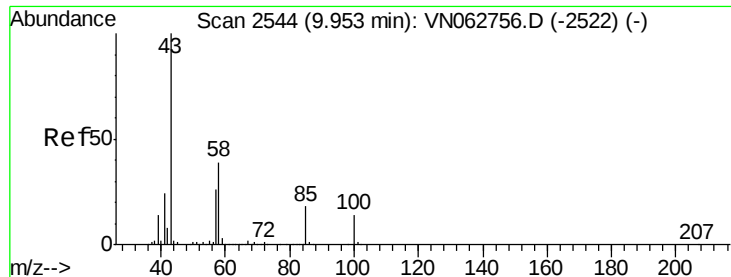
MMDadoda
8/13/2020 10:56:07 AM



#50
Toluene-d8
Concen: 48.469 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 94.635 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 43 Resp: 273590

Ion Ratio Lower Upper

43 100

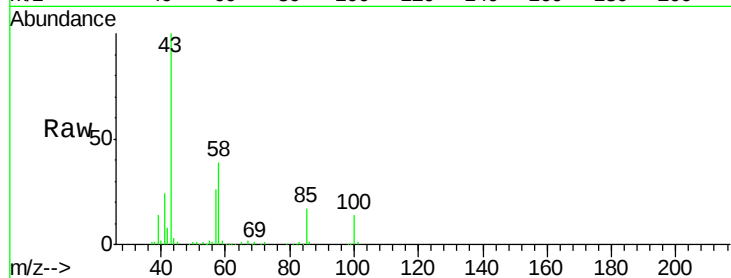
58 39.2 31.1 46.7

Manual Integrations

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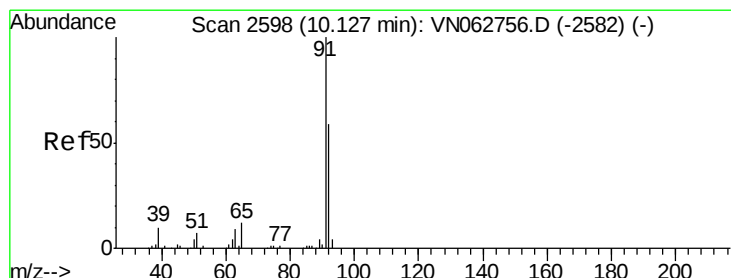
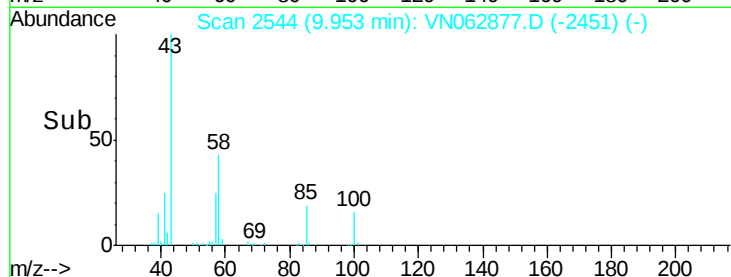
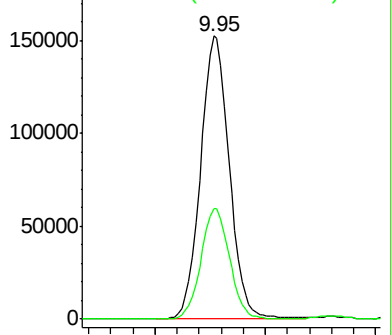
MMDadoda

8/13/2020 10:56:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.562 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062877.D

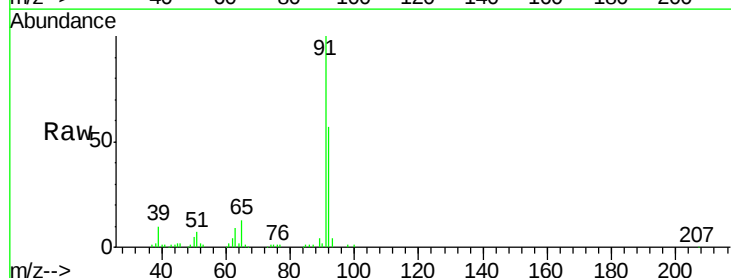
Acq: 13 Aug 2020 00:17

Tgt Ion: 92 Resp: 87703

Ion Ratio Lower Upper

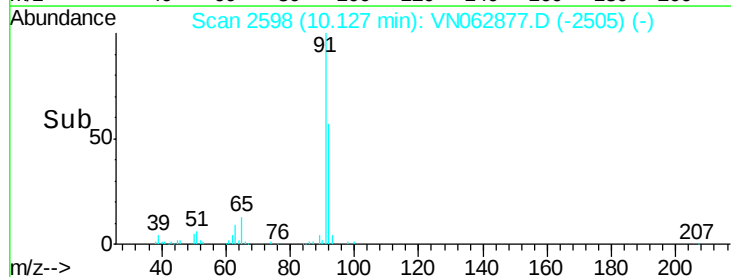
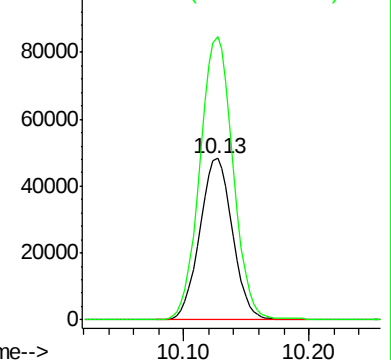
92 100

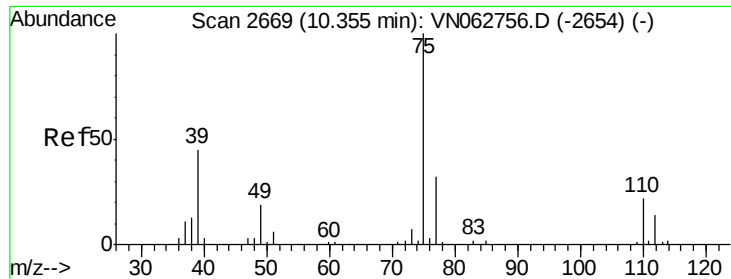
91 176.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





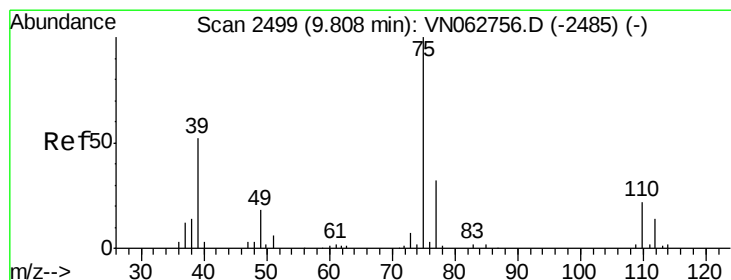
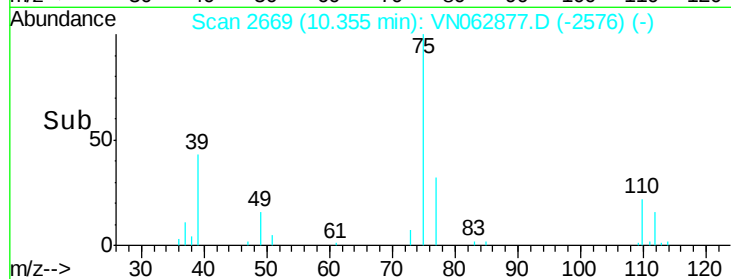
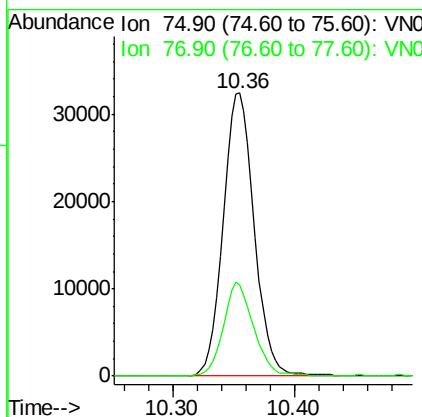
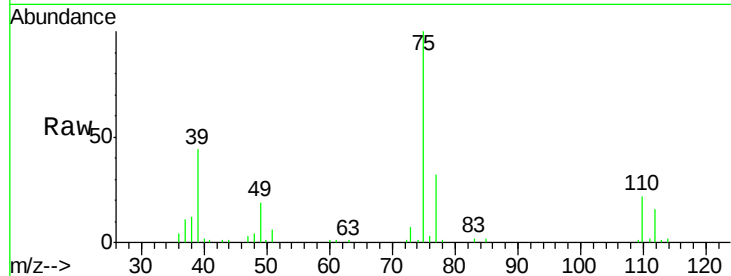
#53
t-1,3-Dichloropropene
Concen: 17.232 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion: 75 Resp: 57770
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

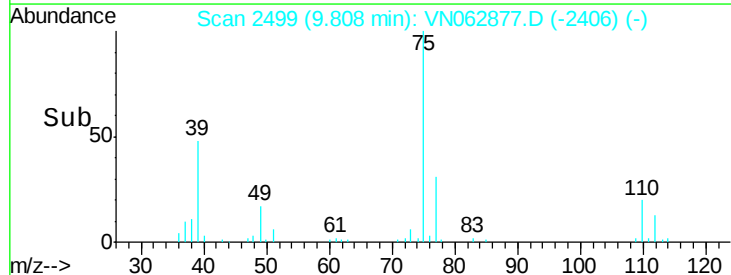
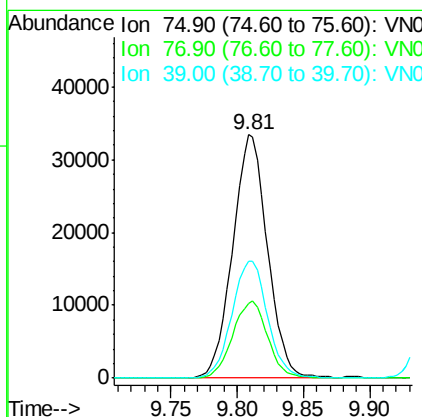
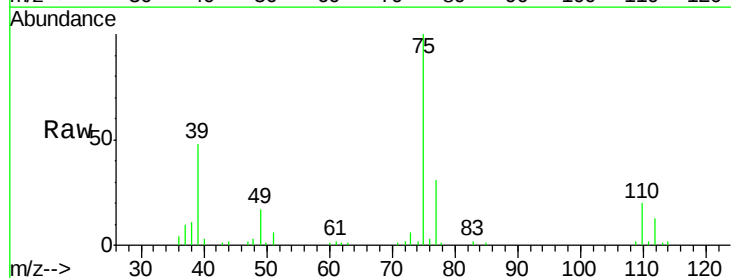
Manual Integrations
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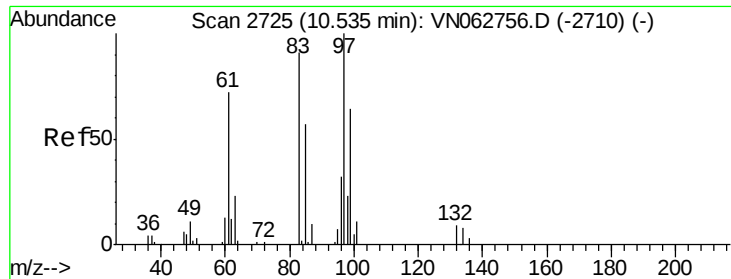
MMDadoda
8/13/2020 10:56:07 AM



#54
cis-1,3-Dichloropropene
Concen: 18.107 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion: 75 Resp: 60949
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3
39 48.2 41.9 62.9





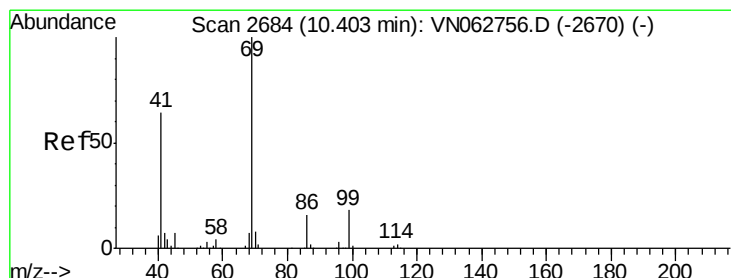
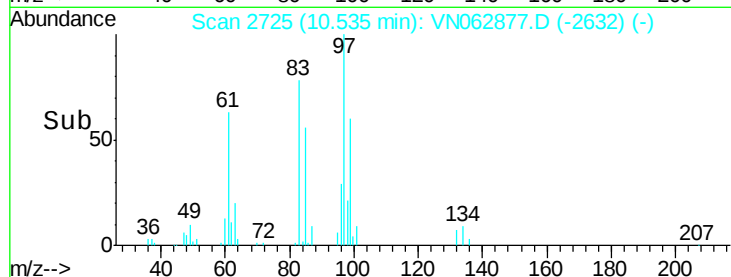
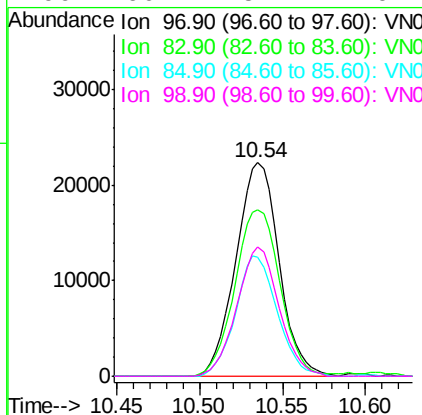
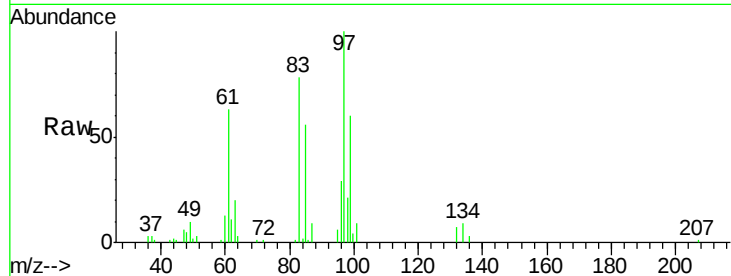
#55
 1,1,2-Trichloroethane
 Concen: 20.021 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion:	97	Resp:	40400
Ion	Ratio	Lower	Upper
97	100		
83	78.0	72.6	108.8
85	55.5	46.0	69.0
99	60.4	51.1	76.7

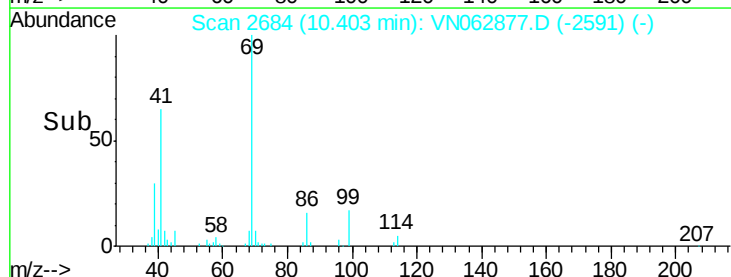
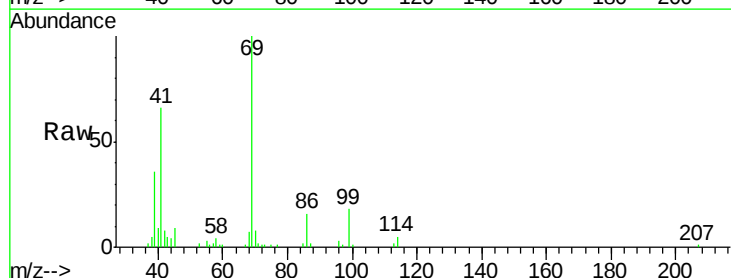
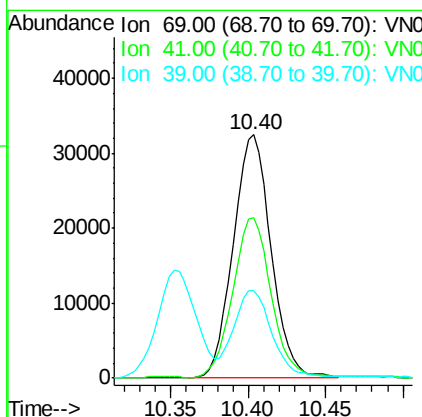
Manual Integrations
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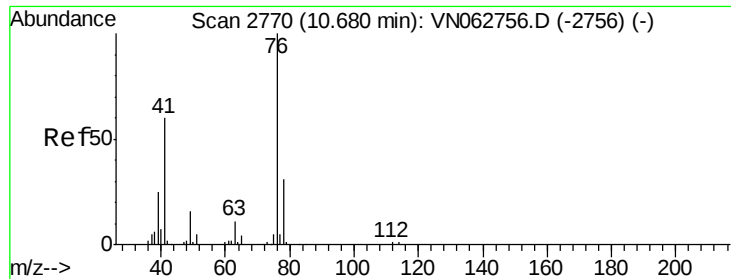
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 8/13/2020 10:56:07 AM



#56
 Ethyl methacrylate
 Concen: 18.194 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion:	69	Resp:	55263
Ion	Ratio	Lower	Upper
69	100		
41	67.1	52.2	78.2
39	36.5	30.9	46.3





#57

1,3-Dichloropropane

Concen: 18.652 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 76 Resp: 63953

Ion Ratio Lower Upper

76 100

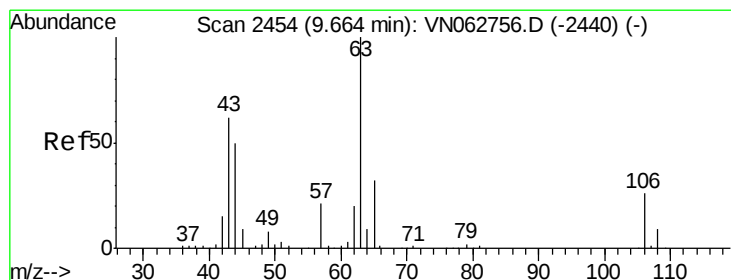
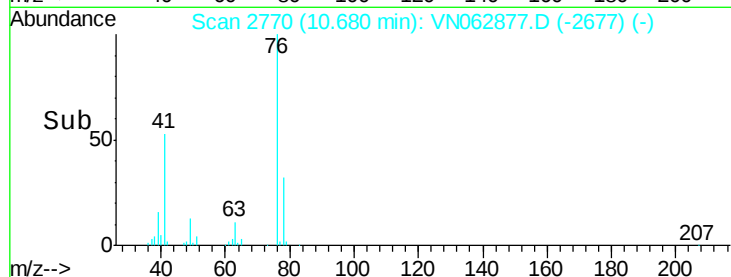
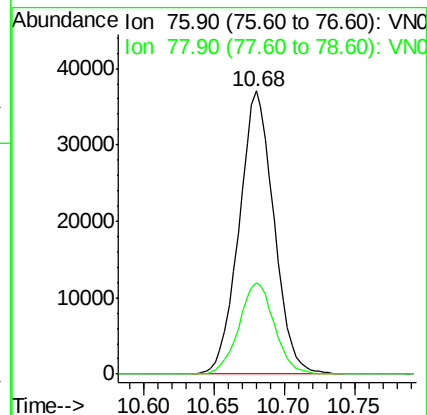
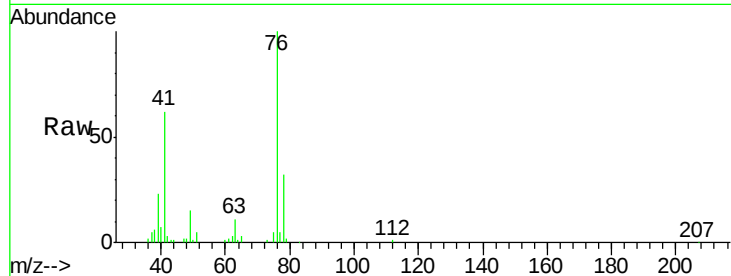
78 32.8 25.4 38.0

Manual Integrations

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MMDadoda

8/13/2020 10:56:07 AM



#58

2-Chloroethyl Vinyl ether

Concen: 76.781 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN062877.D

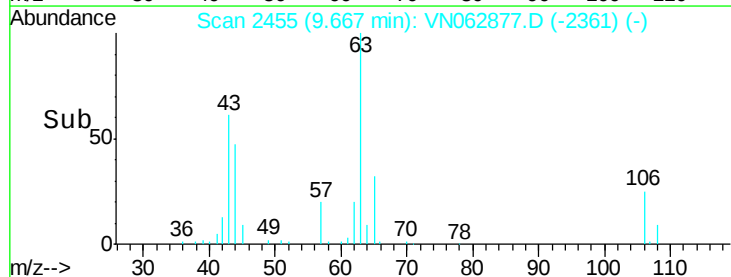
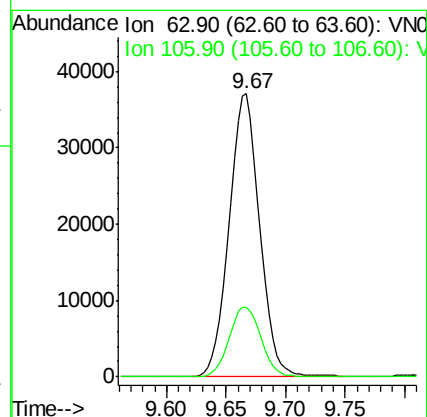
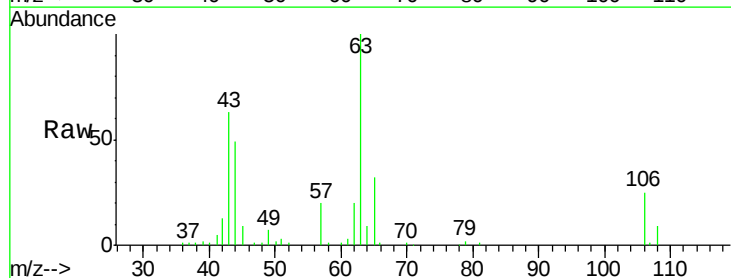
Acq: 13 Aug 2020 00:17

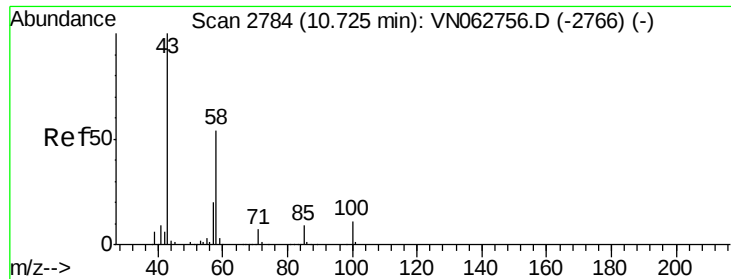
Tgt Ion: 63 Resp: 65921

Ion Ratio Lower Upper

63 100

106 25.6 20.9 31.3





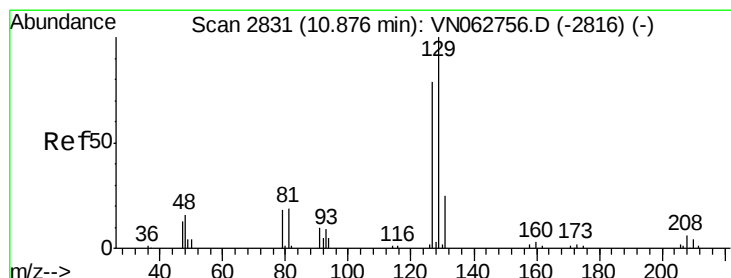
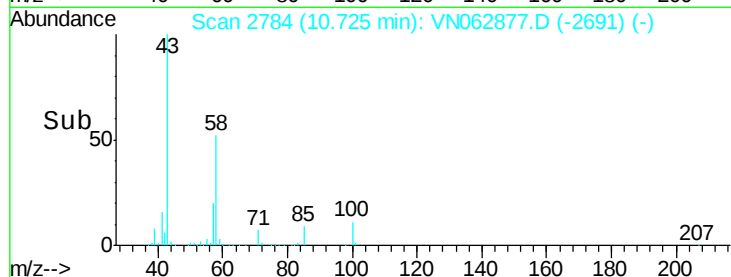
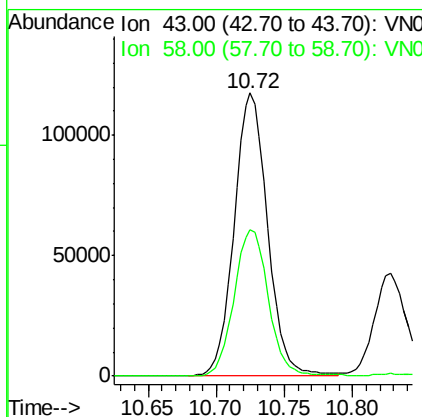
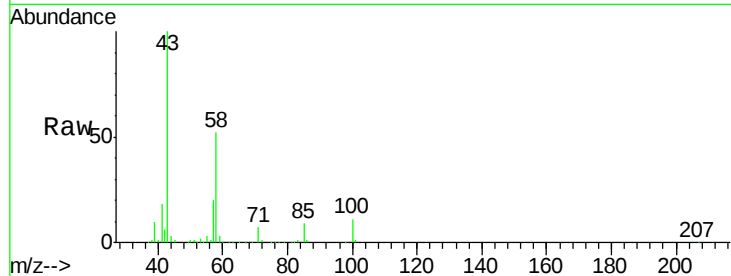
#59
2-Hexanone
Concen: 91.966 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	43	Resp	198325
Ion Ratio	43	100	
Lower	58	53.3	26.7
Upper			80.1

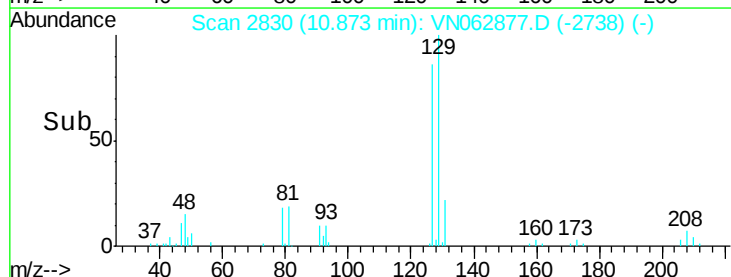
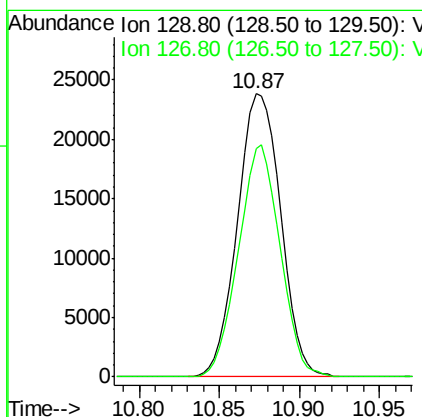
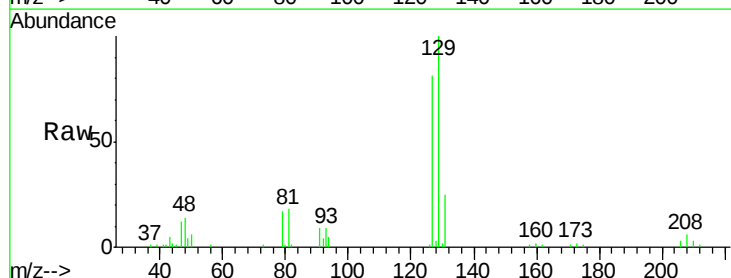
Manual Integrations
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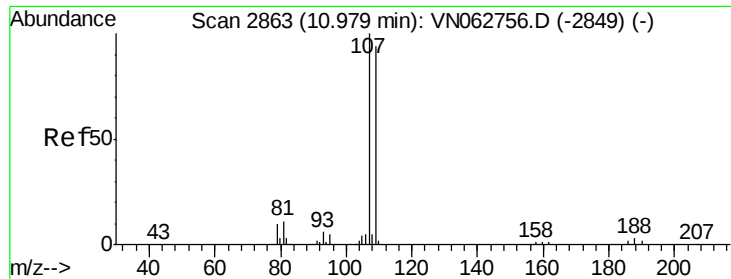
MMDadoda
8/13/2020 10:56:07 AM



#60
Dibromochloromethane
Concen: 19.140 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	129	Resp	44075
Ion Ratio	129	100	
Lower	127	78.5	39.1
Upper			117.2





#61

1,2-Dibromoethane

Concen: 19.001 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion:107 Resp: 37834

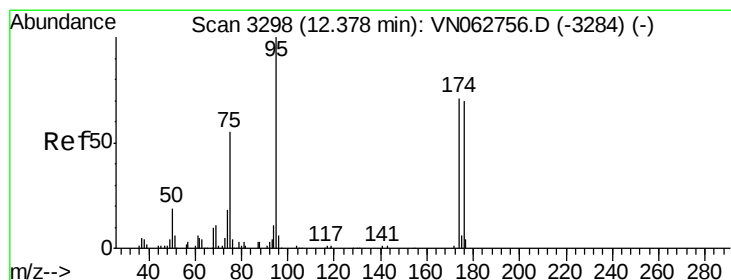
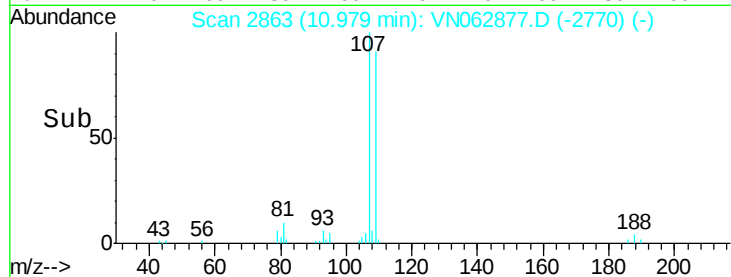
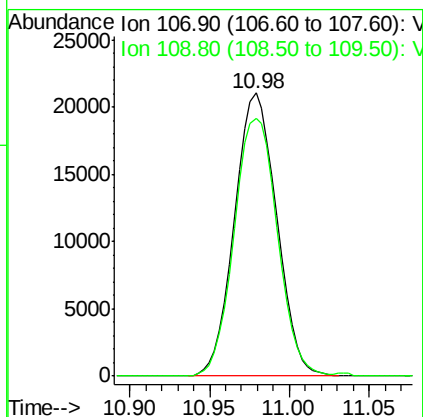
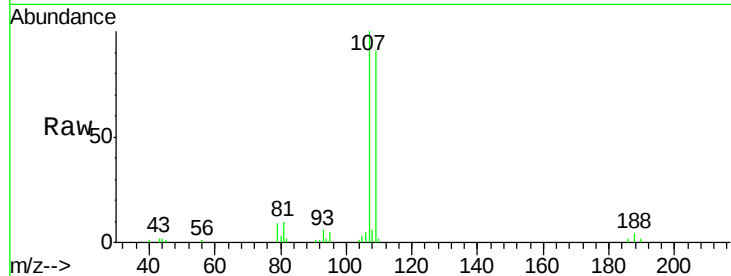
Ion Ratio Lower Upper

107 100

109 93.6 76.1 114.1

Manual Integrations
APPROVED

MMDadoda
8/13/2020 10:56:07 AM



#62

4-Bromofluorobenzene

Concen: 46.000 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

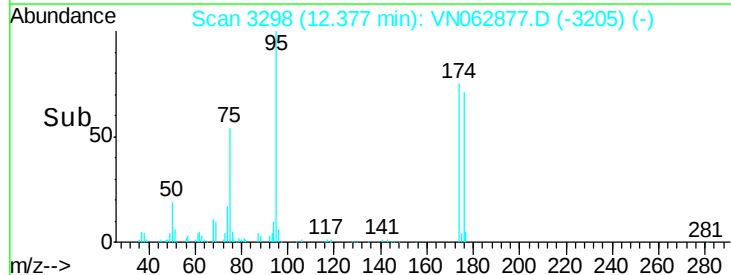
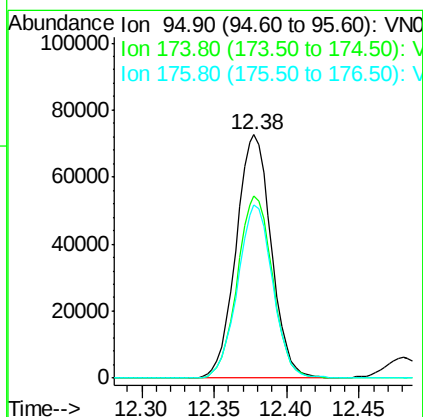
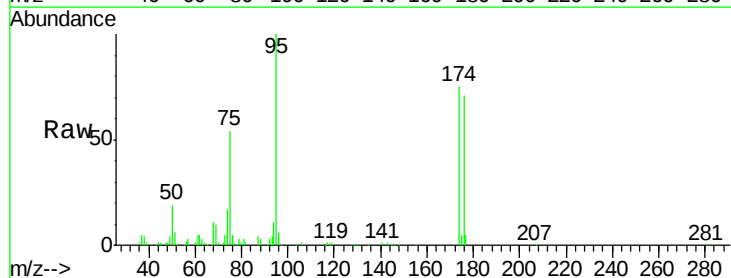
Tgt Ion: 95 Resp: 122267

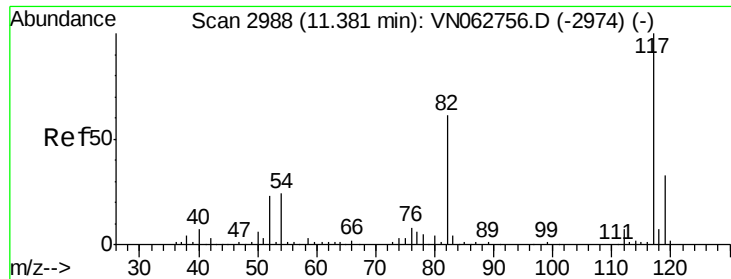
Ion Ratio Lower Upper

95 100

174 74.9 0.0 144.8

176 71.1 0.0 142.2





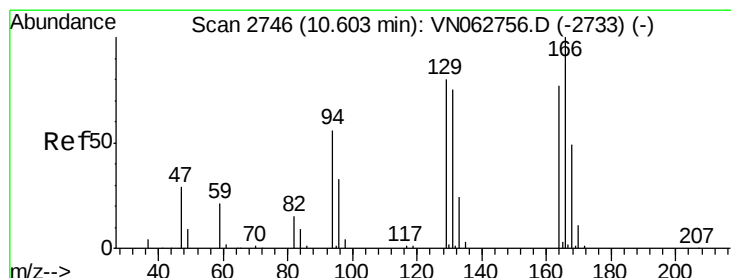
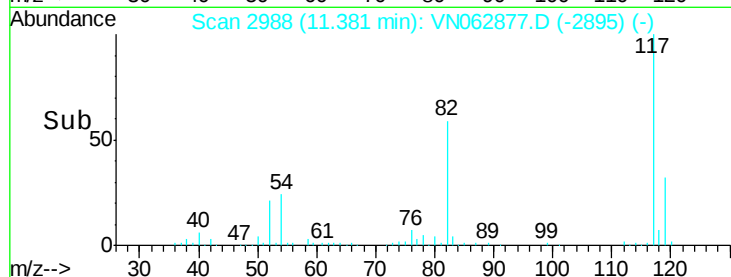
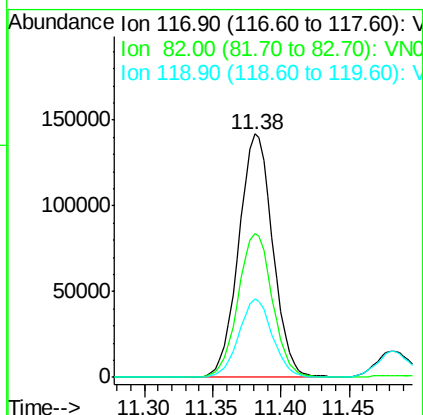
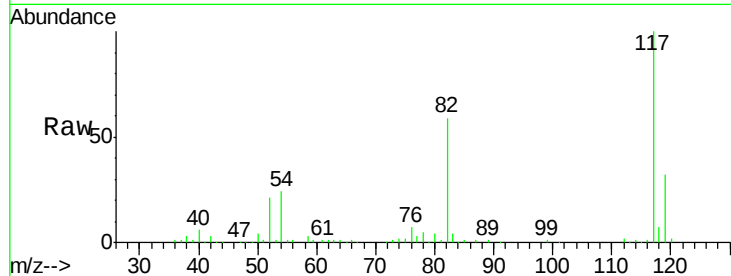
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	49.0	73.4
119	32.0	26.2	39.2

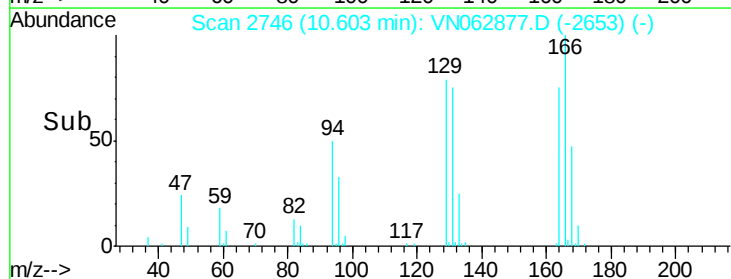
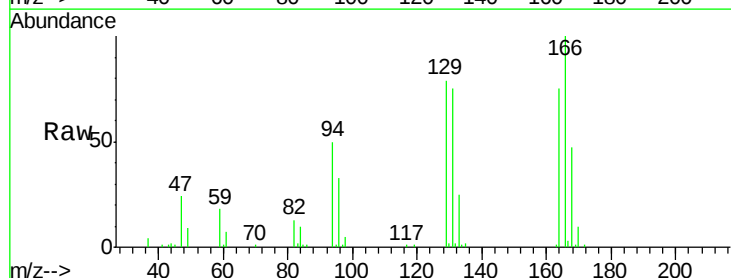
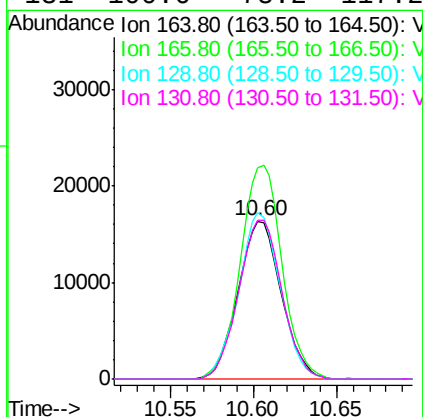
Manual Integrations
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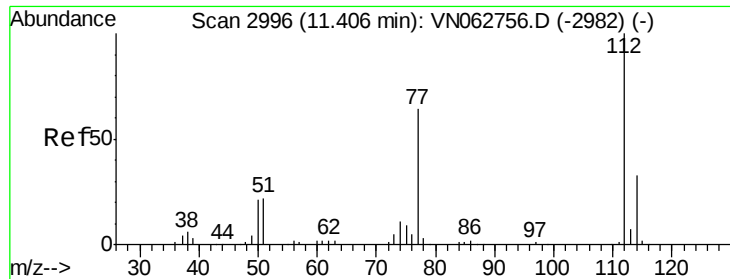
MMDadoda
8/13/2020 10:56:07 AM



#64
Tetrachloroethene
Concen: 18.640 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.8	103.8	155.8
129	105.2	82.7	124.1
131	100.6	78.2	117.2





#65

Chlorobenzene

Concen: 18.517 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion:112 Resp: 95339

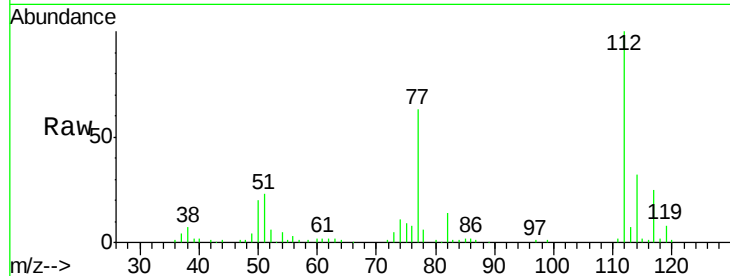
Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.4

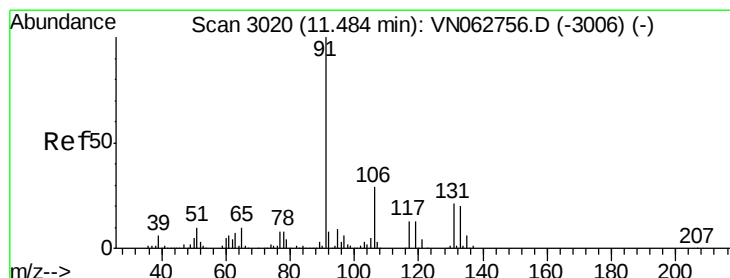
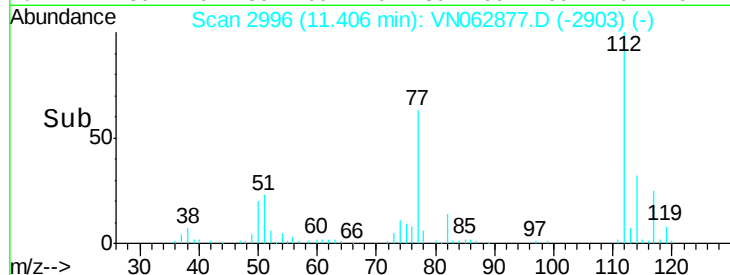
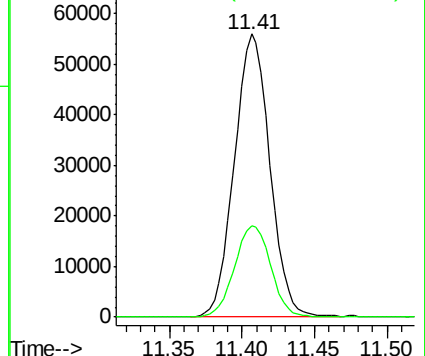
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.374 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

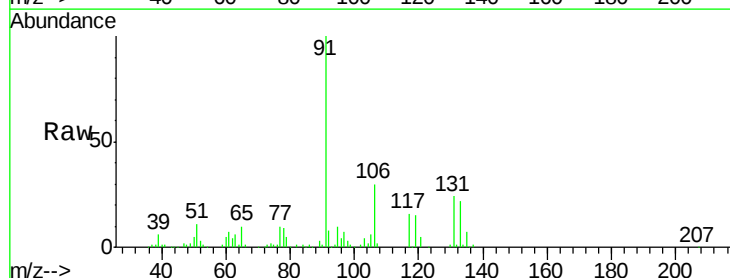
Tgt Ion:131 Resp: 40057

Ion Ratio Lower Upper

131 100

133 95.1 48.6 145.8

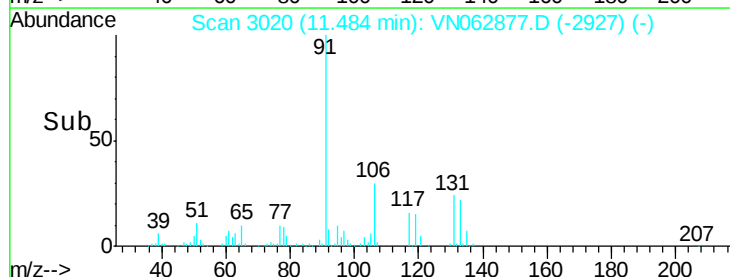
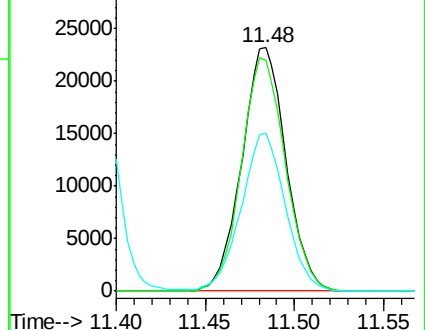
119 64.7 32.2 96.6

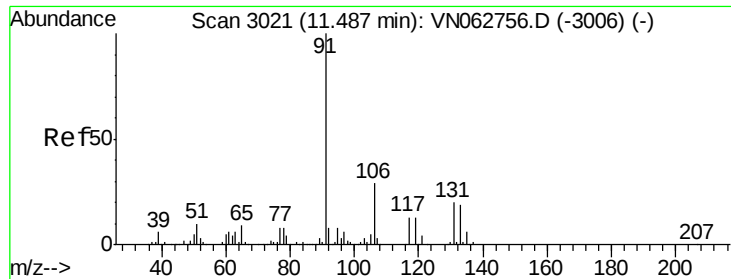


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





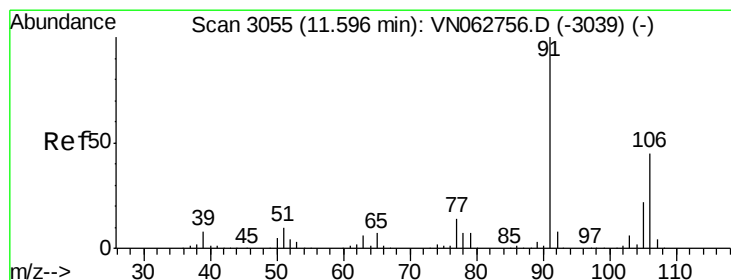
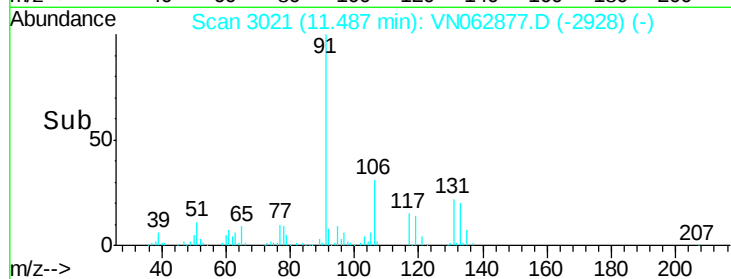
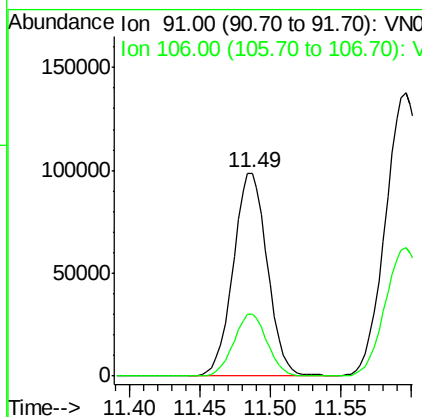
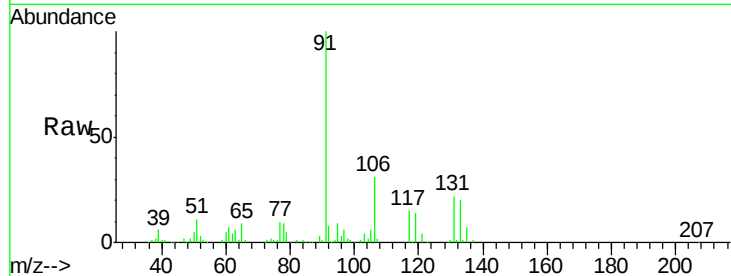
#67
Ethyl Benzene
Concen: 18.179 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion: 91 Resp: 167498
Ion Ratio Lower Upper
91 100
106 30.6 23.2 34.8

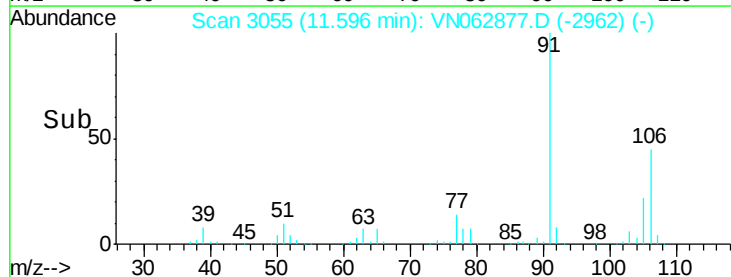
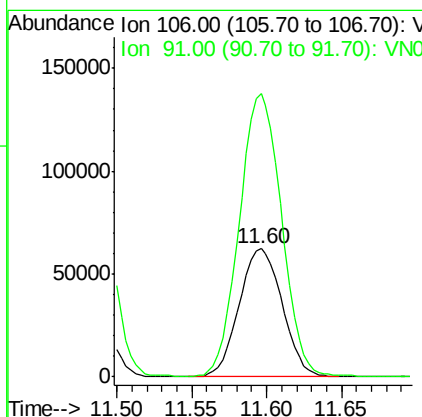
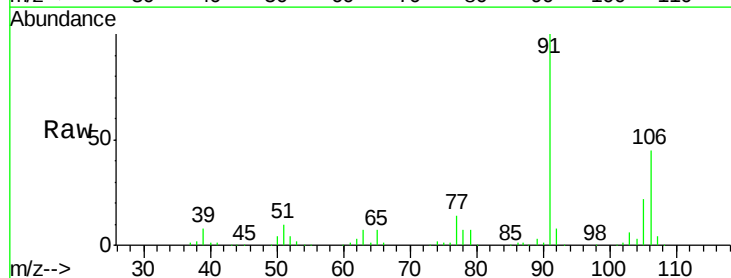
Manual Integrations
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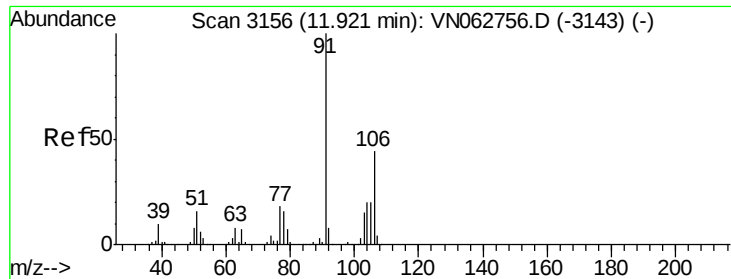
MMDadoda
8/13/2020 10:56:07 AM



#68
m/p-Xylenes
Concen: 37.379 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion: 106 Resp: 125017
Ion Ratio Lower Upper
106 100
91 216.2 175.9 263.9





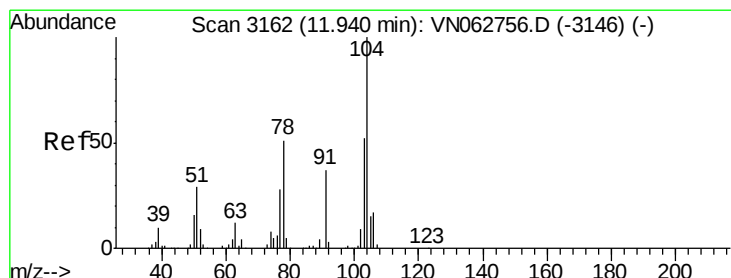
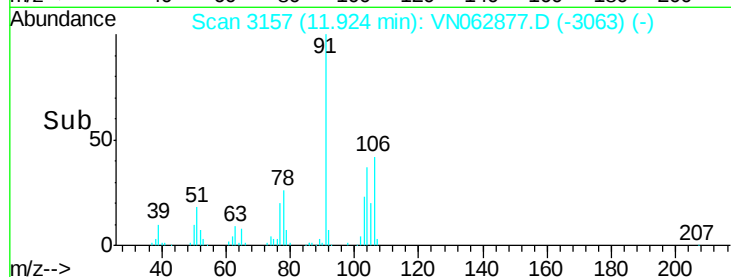
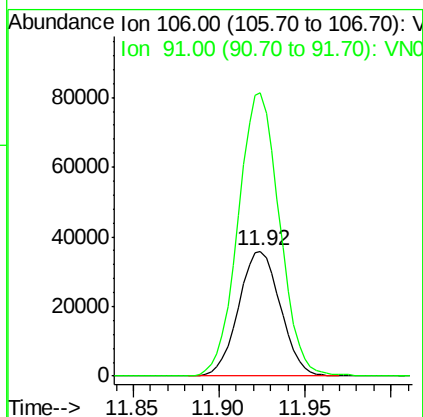
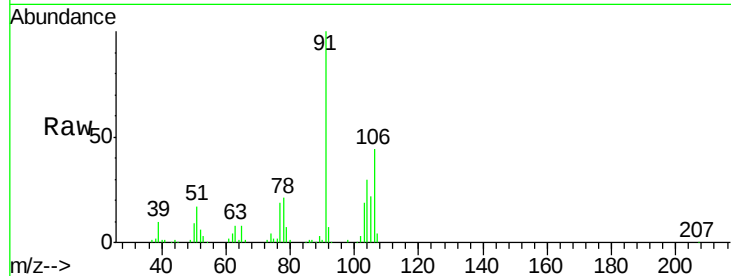
#69
o-Xylene
Concen: 19.440 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion:106 Resp: 60932
Ion Ratio Lower Upper
106 100
91 224.3 115.8 347.4

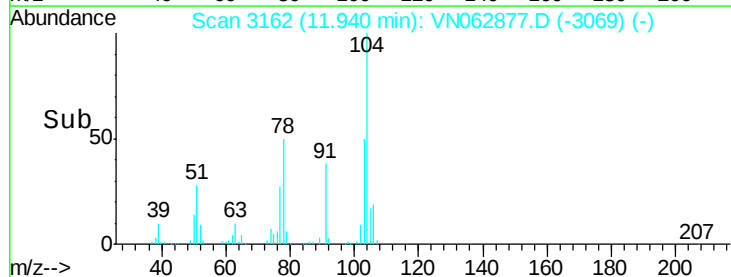
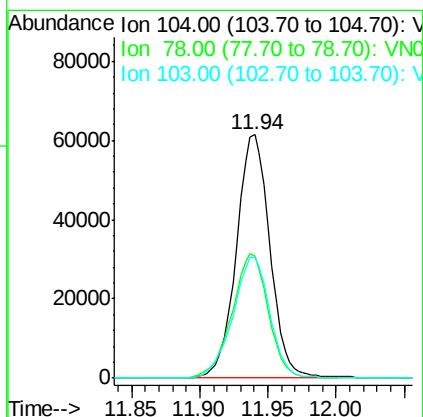
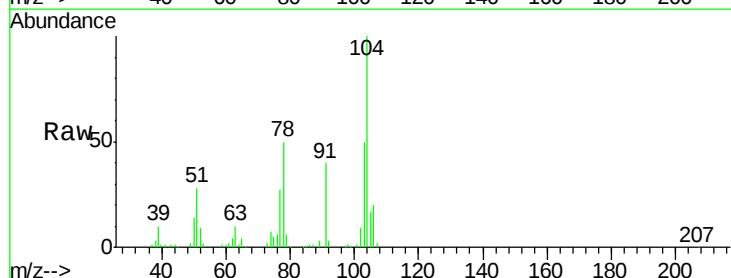
Manual Integrations
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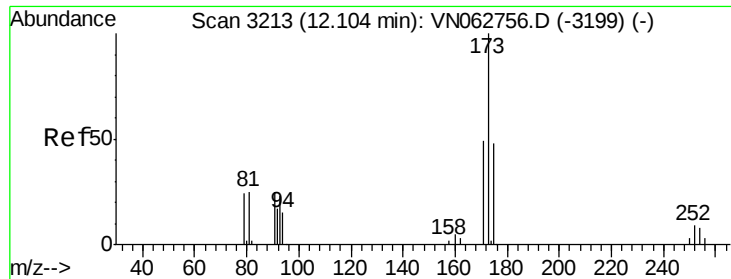
MMDadoda
8/13/2020 10:56:07 AM



#70
Styrene
Concen: 19.081 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion:104 Resp: 105125
Ion Ratio Lower Upper
104 100
78 55.3 45.9 68.9
103 54.3 45.1 67.7





#71

Bromoform

Concen: 18.146 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion:173 Resp: 30697

Ion Ratio Lower Upper

173 100

175 49.4 24.0 72.0

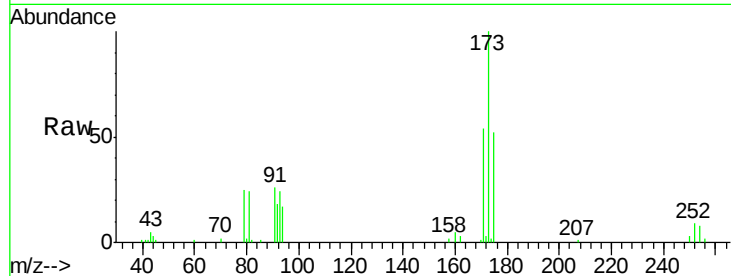
254 0.0 0.0 0.0

Manual Integrations

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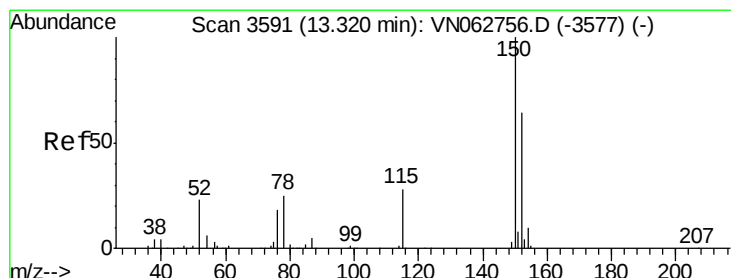
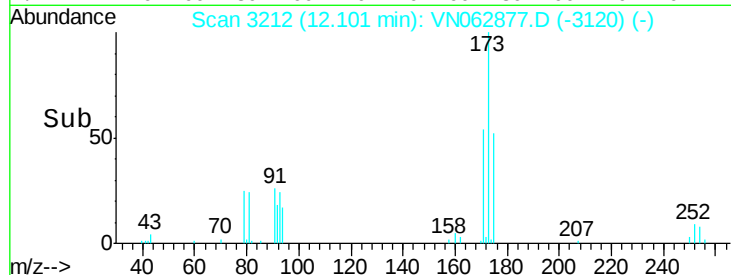
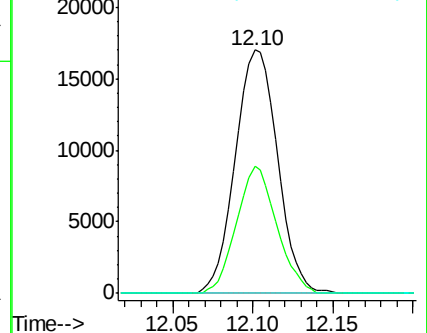
8/13/2020 10:56:07 AM



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: VN062877.D

Acq: 13 Aug 2020 00:17

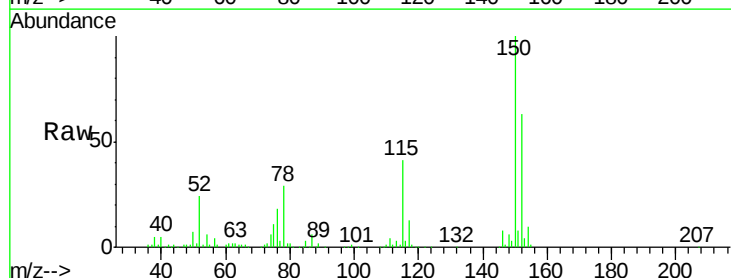
Tgt Ion:152 Resp: 114091

Ion Ratio Lower Upper

152 100

115 63.8 31.6 94.8

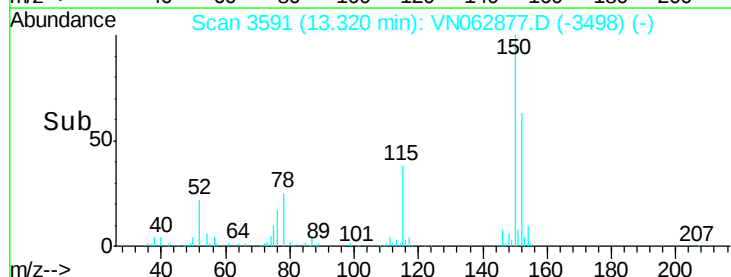
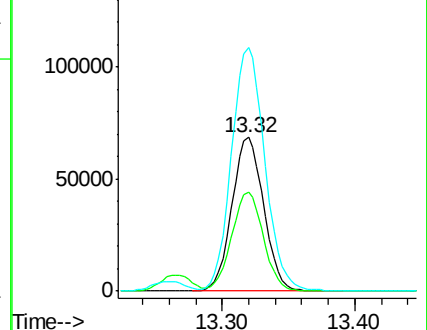
150 165.5 0.0 349.2

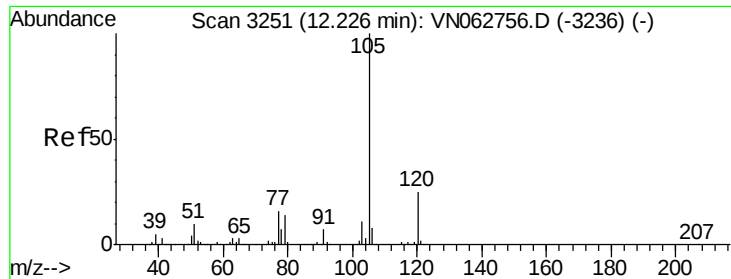


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





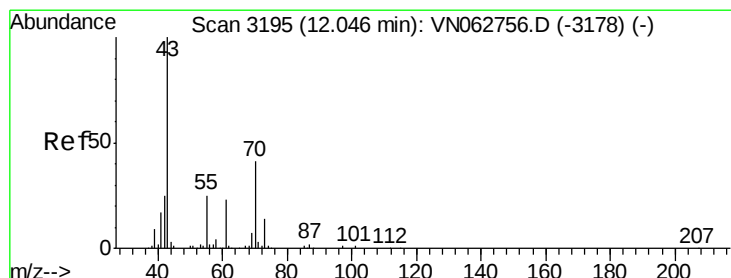
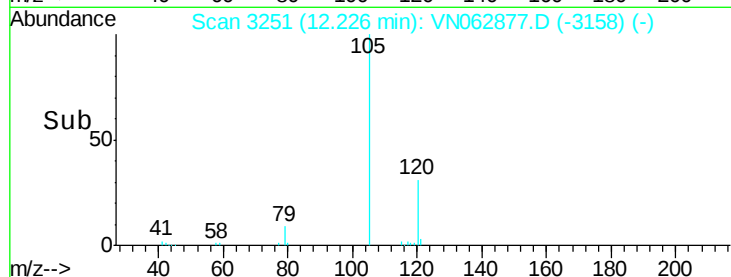
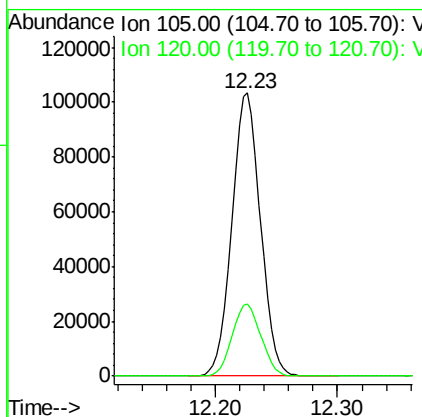
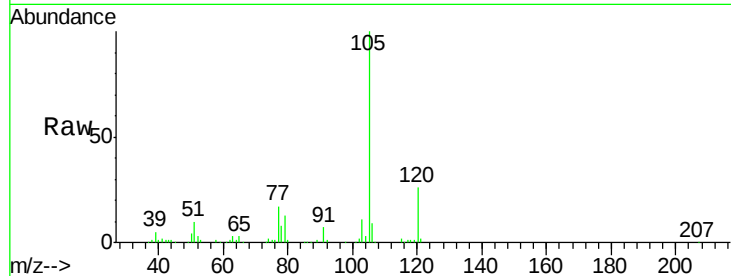
#73
Isopropylbenzene
Concen: 19.573 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.6	37.8

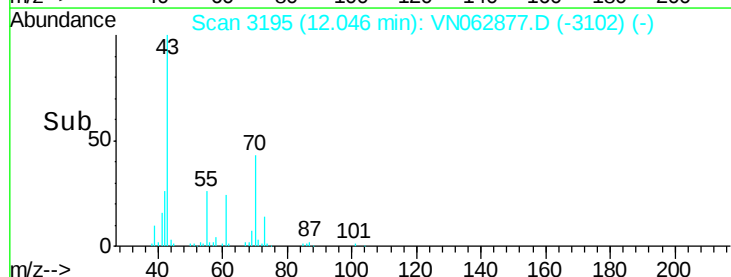
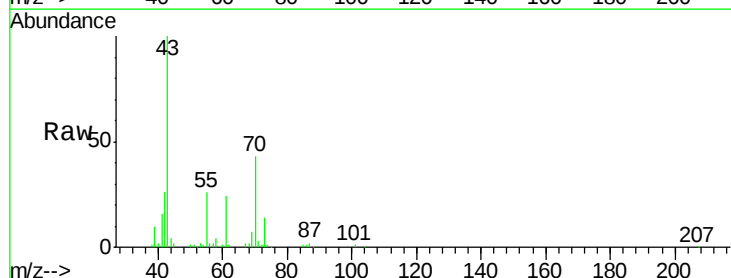
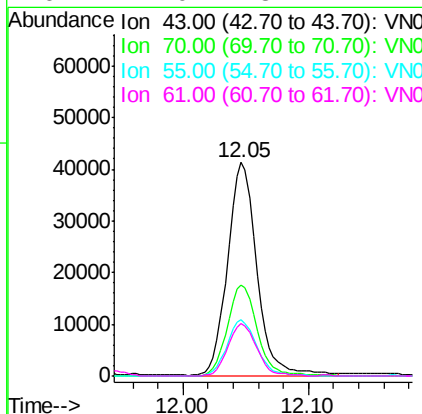
Manual Integrations
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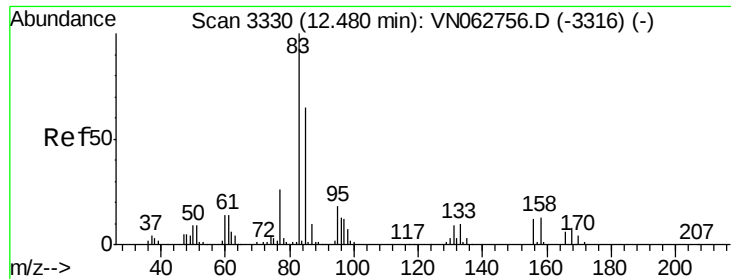
MMDadoda
8/13/2020 10:56:07 AM



#74
N-ethyl acetate
Concen: 19.460 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.2	32.3	48.5
55	26.6	20.2	30.2
61	24.0	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.854 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

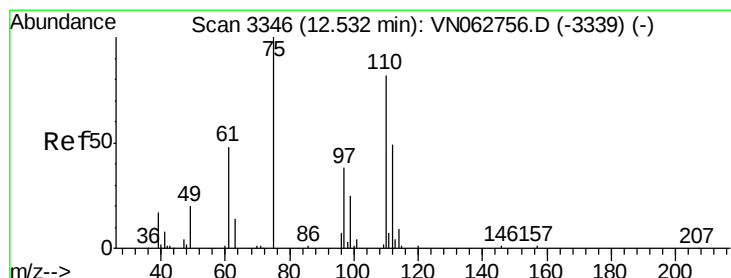
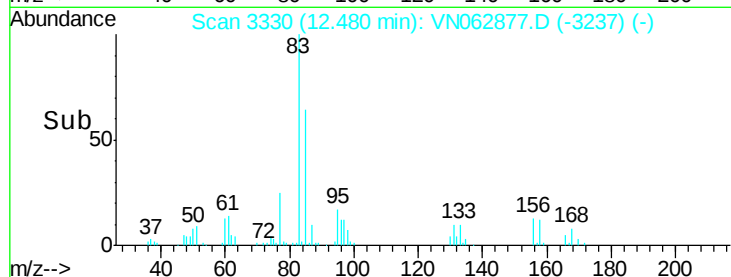
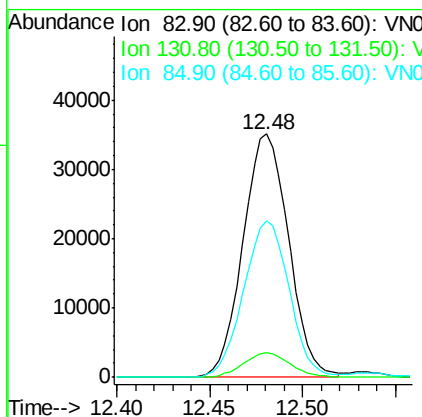
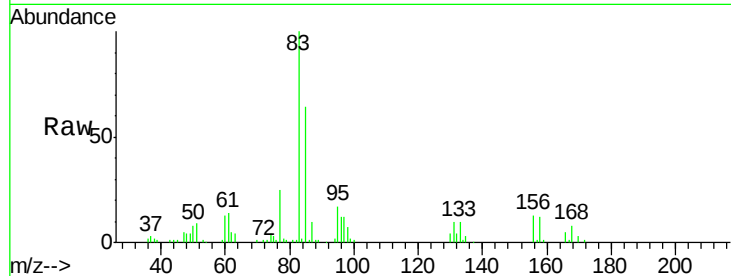
ClientSampleId :

VN0812WBSD02

Tot Ion:	83	Resp:	60043
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	64.1	31.9	95.9

Manual Integrations
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MMDadoda
8/13/2020 10:56:07 AM



#76

1,2,3-Trichloropropane

Concen: 17.842 ug/l m

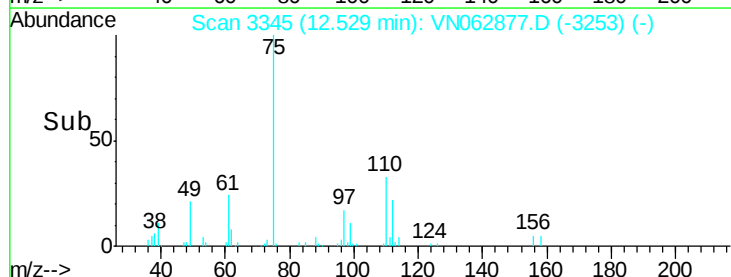
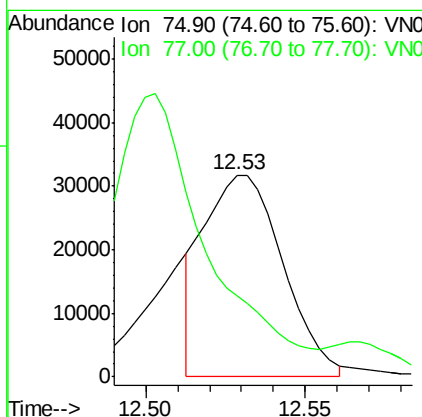
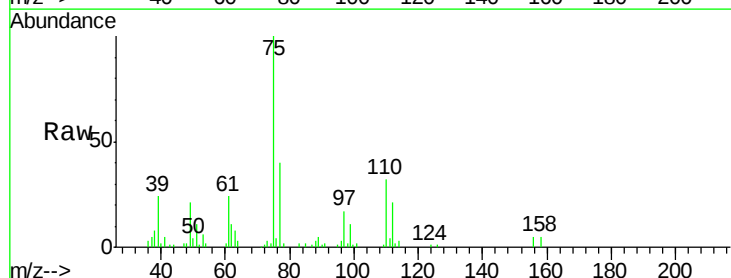
RT: 12.53 min Scan# 3345

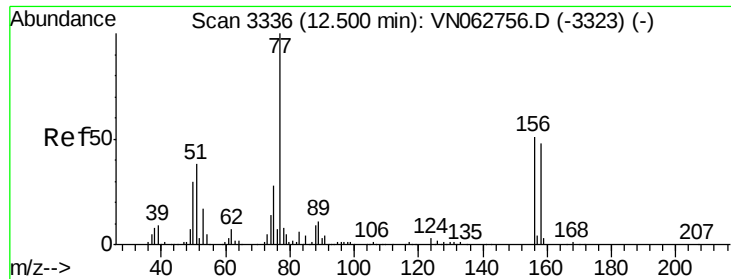
Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Tgt Ion:	75	Resp:	54897
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.637 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

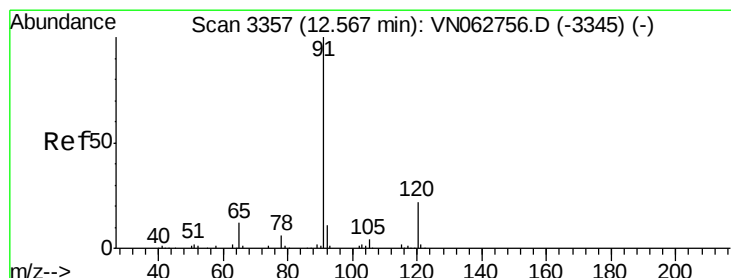
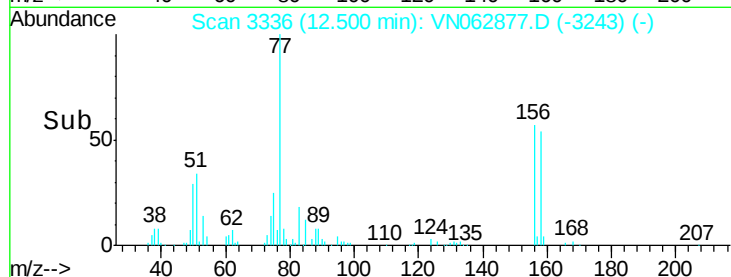
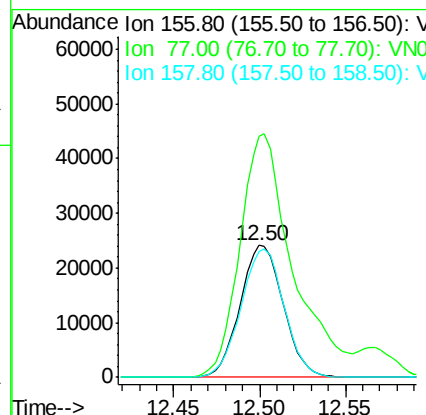
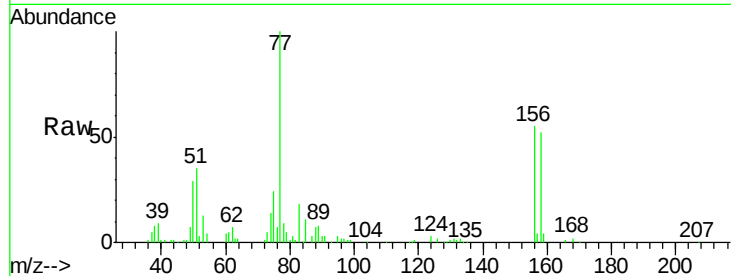
ClientSampleId :

VN0812WBSD02

Tot Ion	156	Resp	41918
Ion Ratio	Lower	Upper	
156	100		
77	227.2	119.7	359.1
158	97.4	48.1	144.3

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#78

n-propylbenzene

Concen: 19.100 ug/l

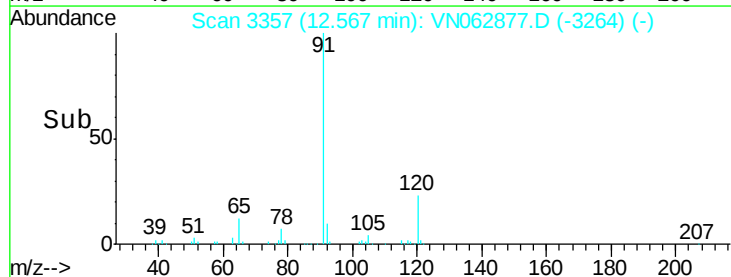
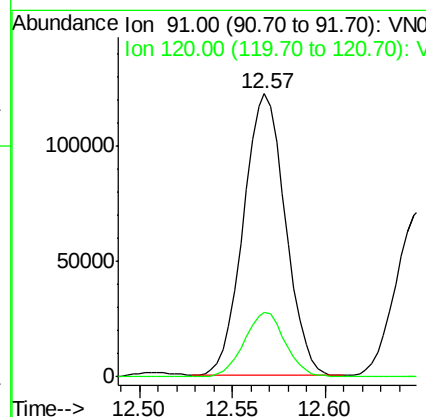
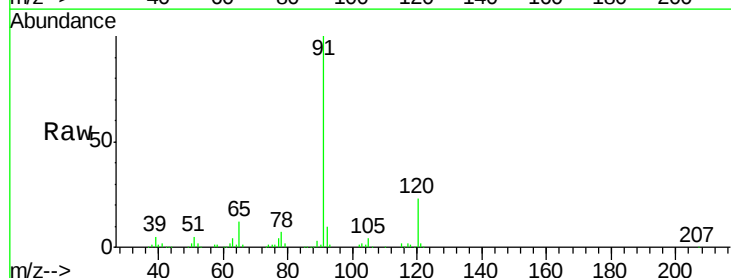
RT: 12.57 min Scan# 3357

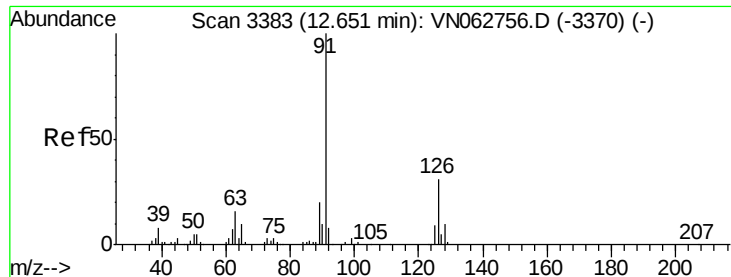
Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Tgt Ion	91	Resp	192610
Ion Ratio	Lower	Upper	
91	100		
120	22.4	10.9	32.9





#79

2-Chlorotoluene

Concen: 19.007 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 91 Resp: 120201

Ion Ratio Lower Upper

91 100

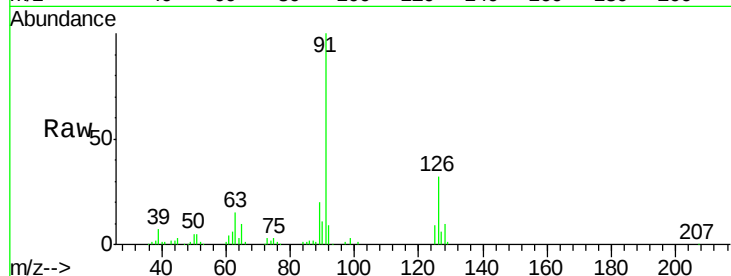
126 32.1 15.6 46.7

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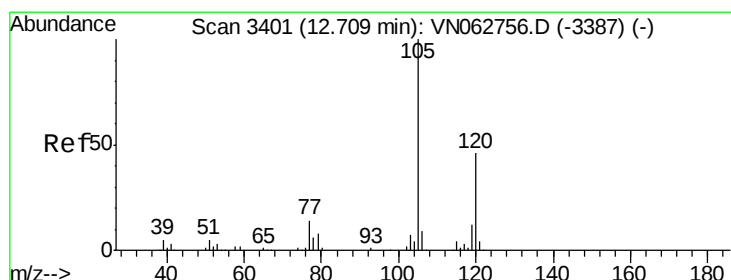
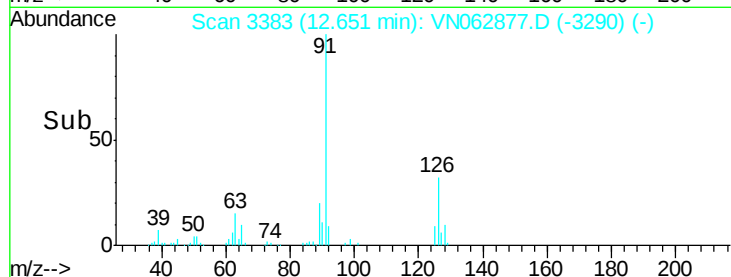
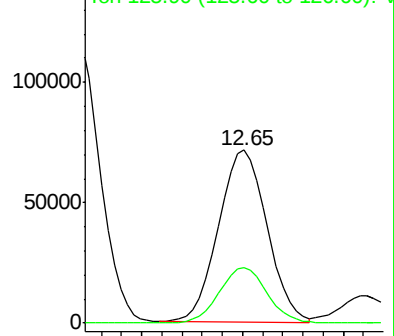
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Abundance Ion 91.00 (90.70 to 91.70): VN062877.D (-3290) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.686 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062877.D

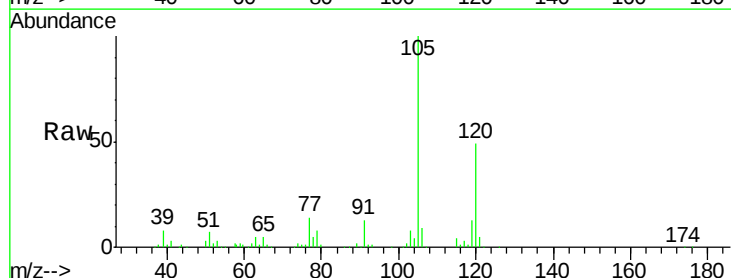
Acq: 13 Aug 2020 00:17

Tgt Ion: 105 Resp: 146723

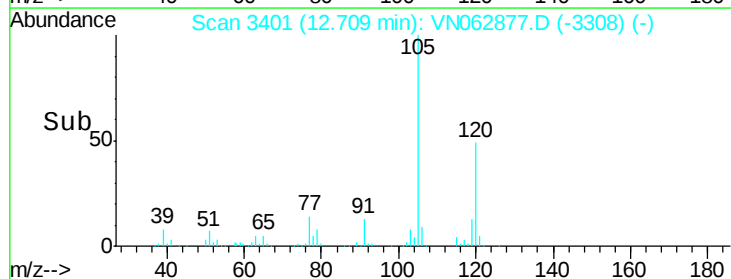
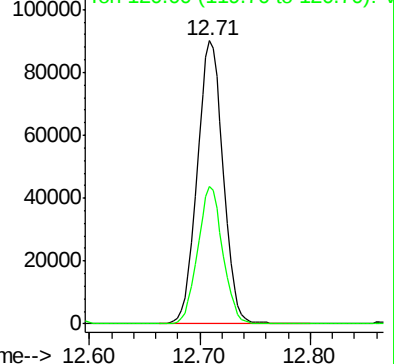
Ion Ratio Lower Upper

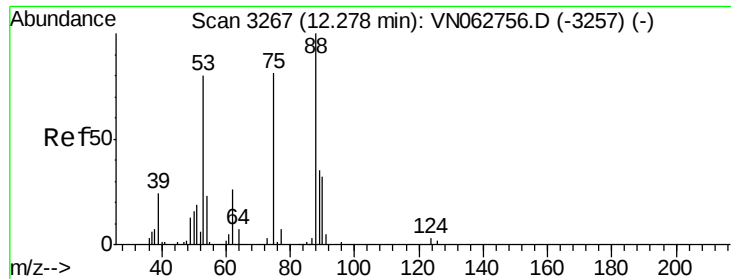
105 100

120 46.7 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062877.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.384 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Instrument :

MSVOA_N

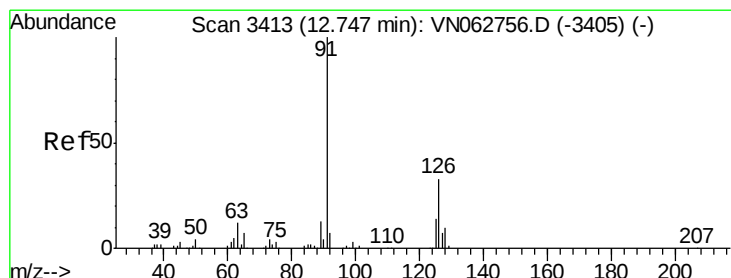
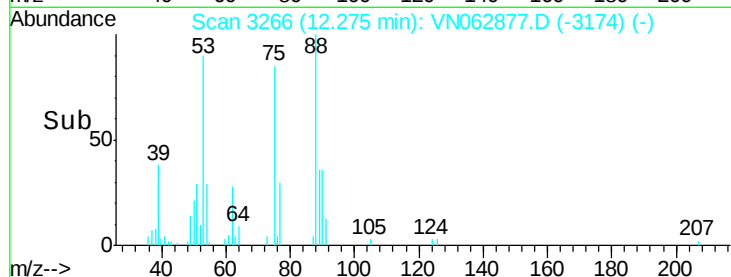
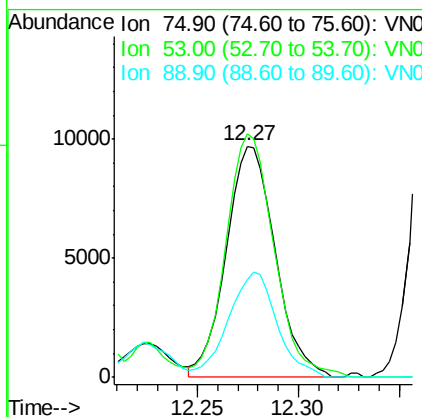
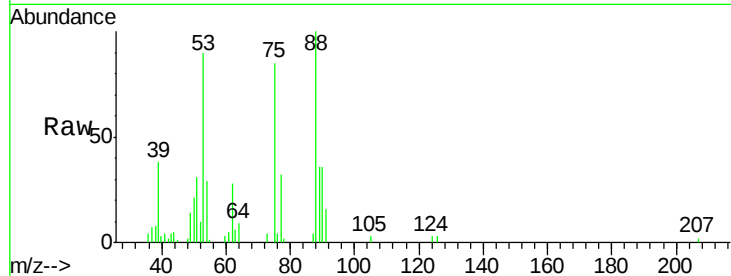
ClientSampleId :

VN0812WBSD02

Tot Ion:	75	Resp:	16514
Ion	Ratio	Lower	Upper
75	100		
53	103.5	79.1	118.7
89	45.1	36.2	54.2

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#82

4-Chlorotoluene

Concen: 18.986 ug/l

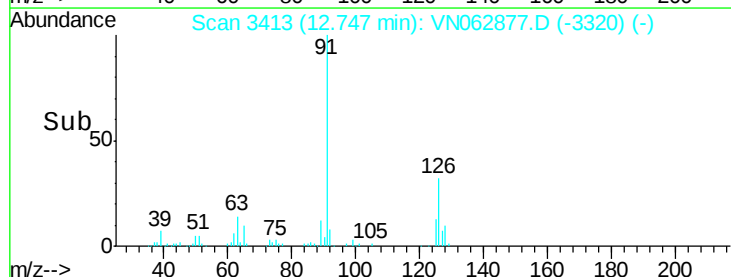
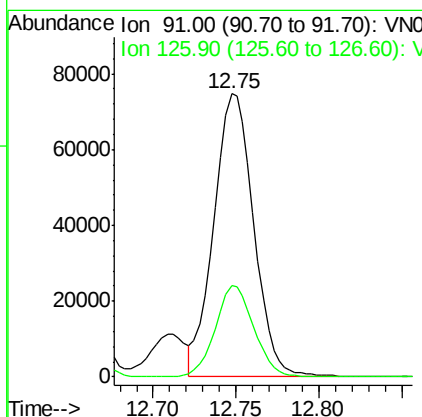
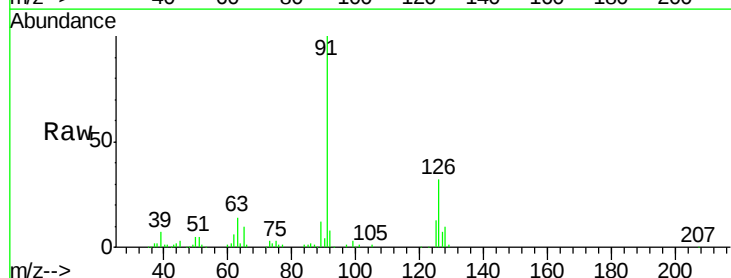
RT: 12.75 min Scan# 3413

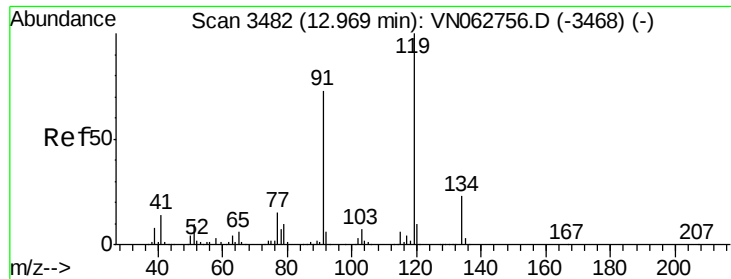
Delta R.T. -0.00 min

Lab File: VN062877.D

Acq: 13 Aug 2020 00:17

Tgt Ion:	91	Resp:	123732
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.3	45.9





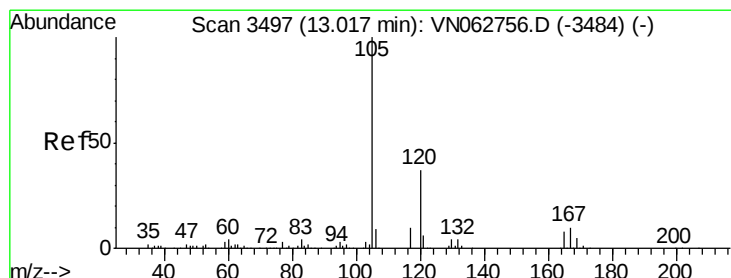
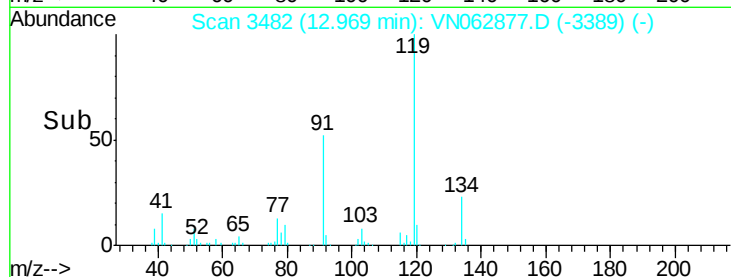
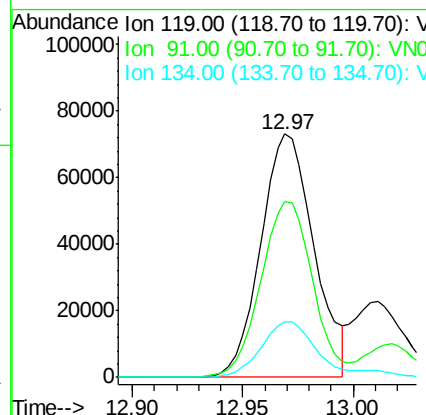
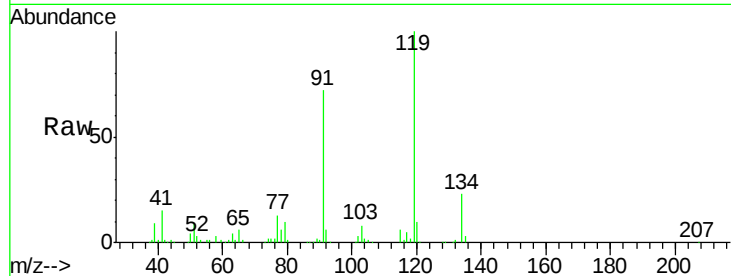
#83
 tert-Butylbenzene
 Concen: 19.364 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	122122		
91	70.5	36.5	109.5	
134	25.4	11.3	33.8	

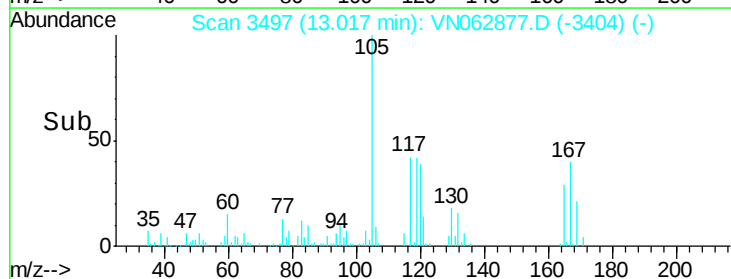
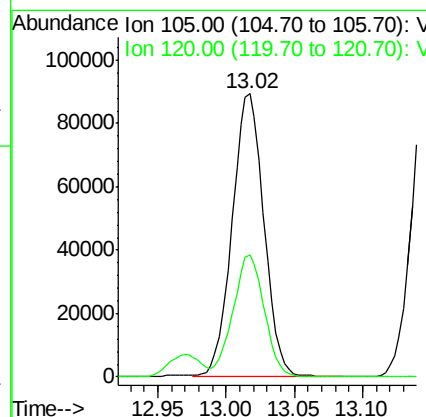
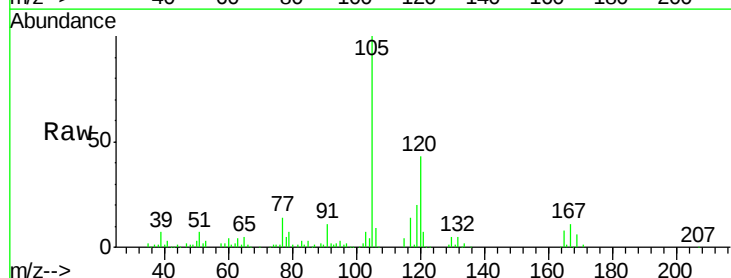
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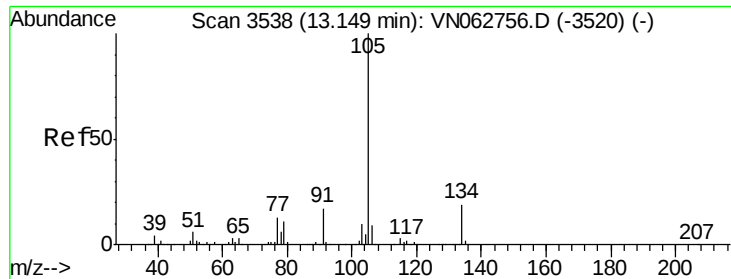
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.282 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144615		
120	42.6	21.4	64.2	





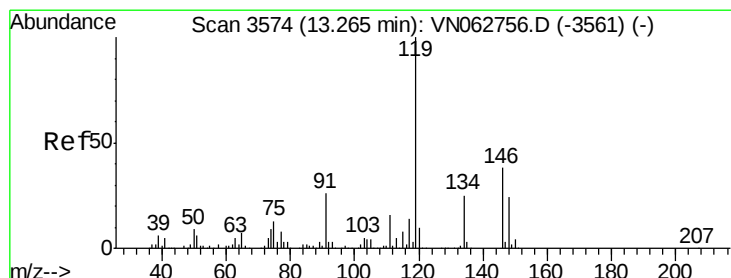
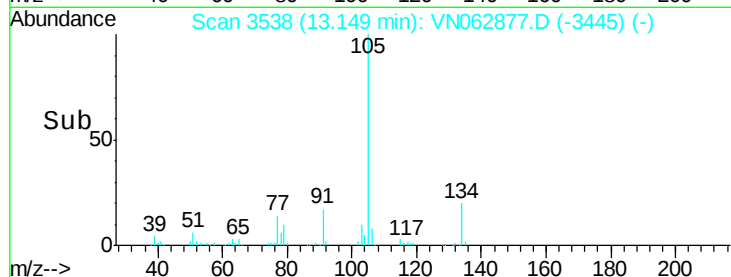
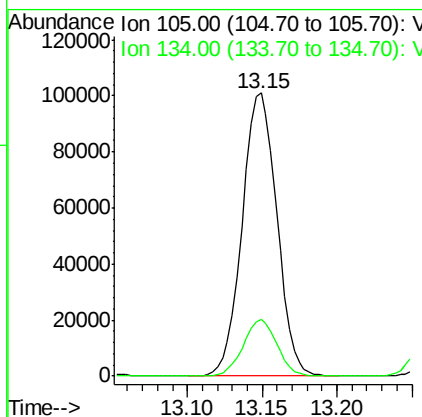
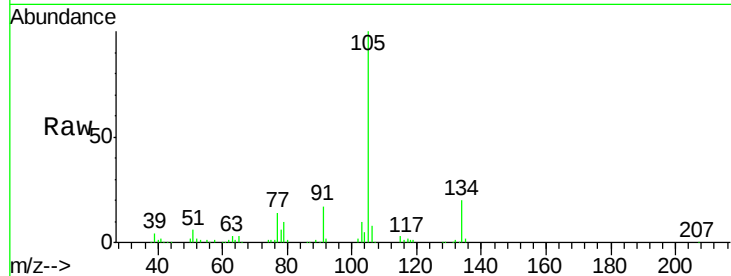
#85
 sec-Butylbenzene
 Concen: 19.735 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	163445		
134	19.3	9.6	28.6	

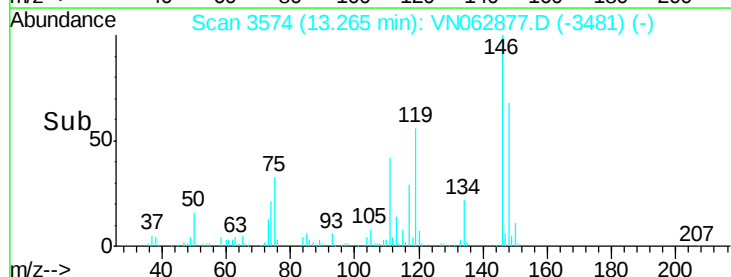
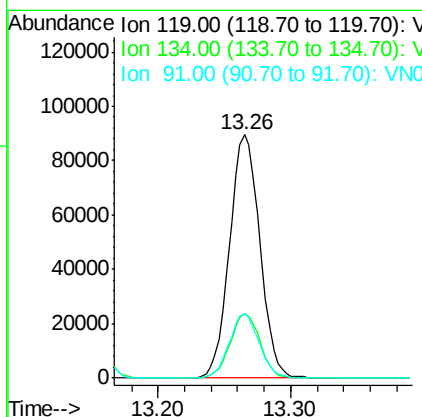
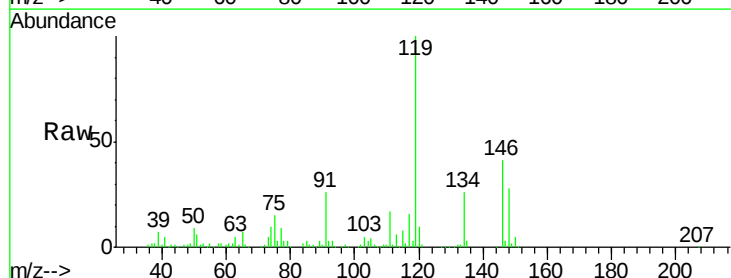
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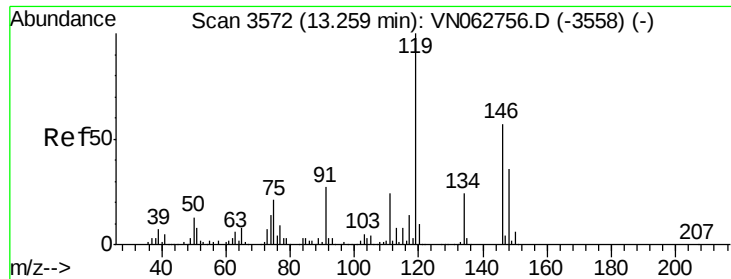
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#86
 p-Isopropyltoluene
 Concen: 19.358 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	142306		
134	26.0	12.6	37.8	
91	26.2	13.4	40.2	





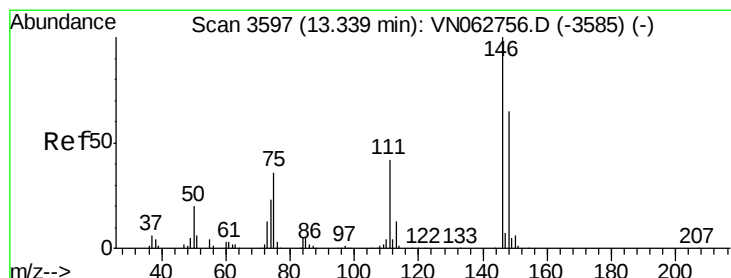
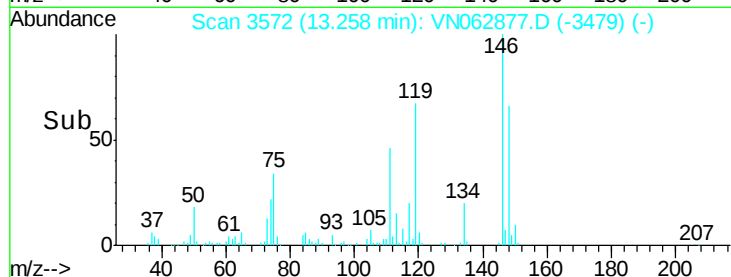
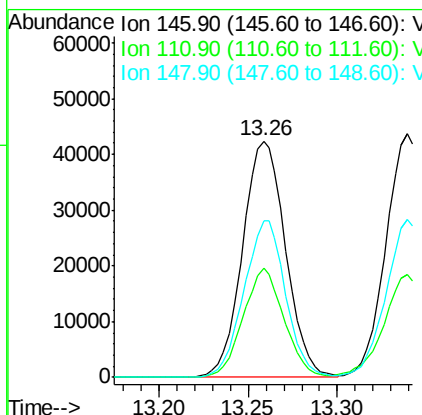
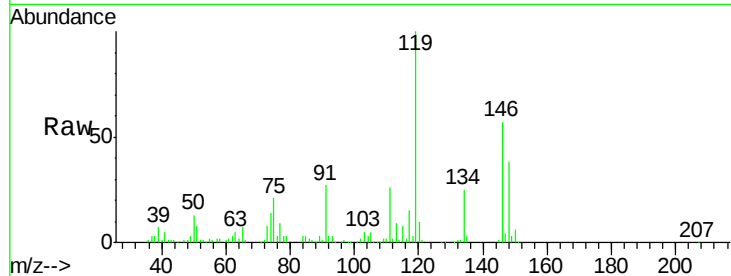
#87
 1,3-Dichlorobenzene
 Concen: 18.737 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.7	65.1
148	64.2	31.4	94.2

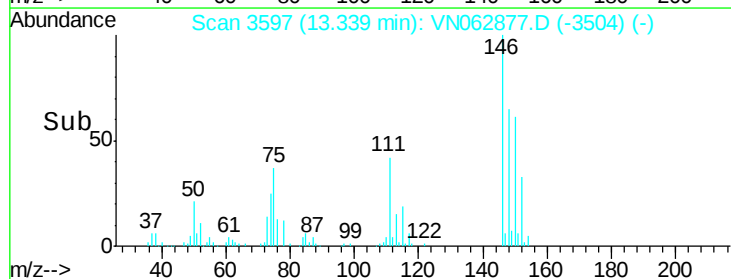
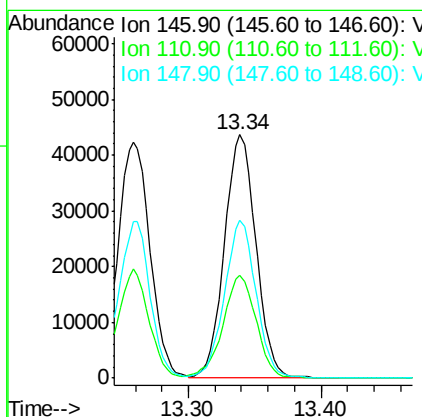
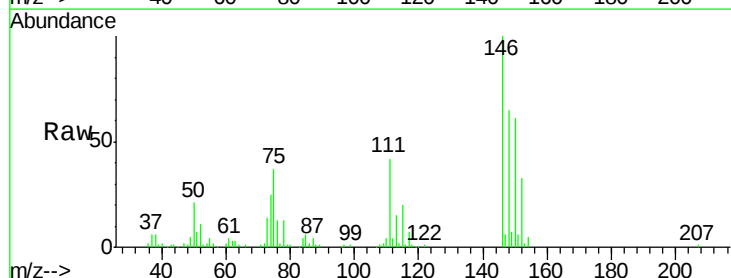
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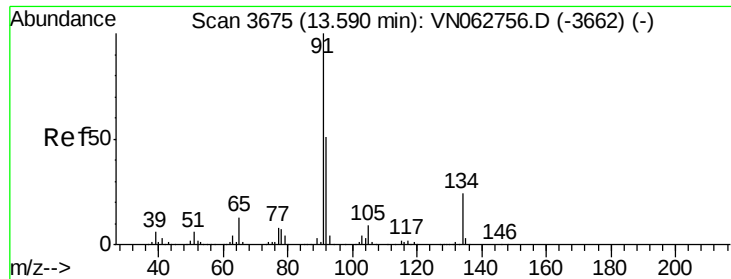
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#88
 1,4-Dichlorobenzene
 Concen: 18.910 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.6	64.6
148	64.7	32.6	97.8





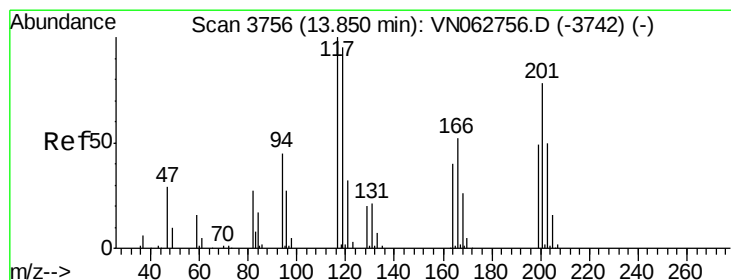
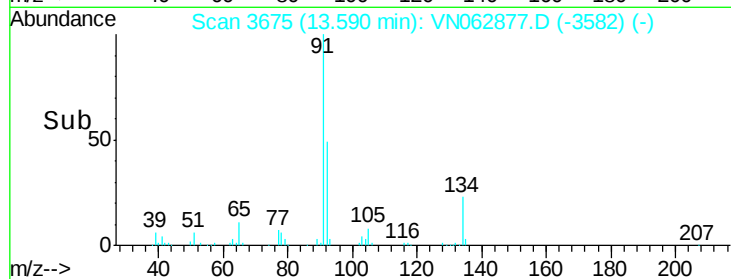
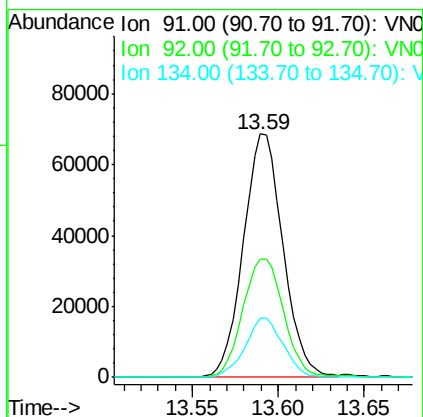
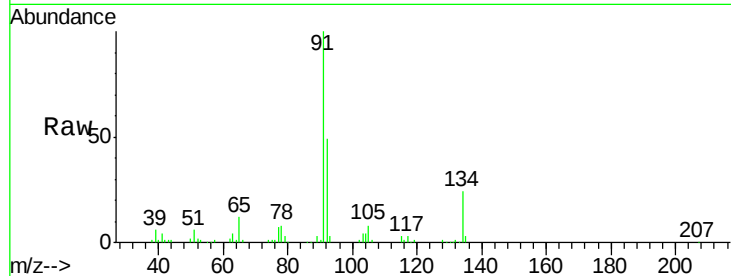
#89
n-Butylbenzene
Concen: 17.634 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.7	77.0
134	23.5	12.2	36.6

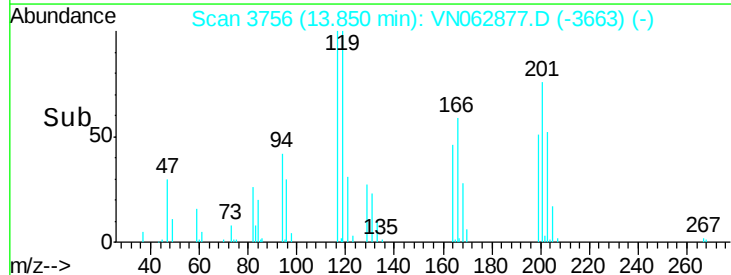
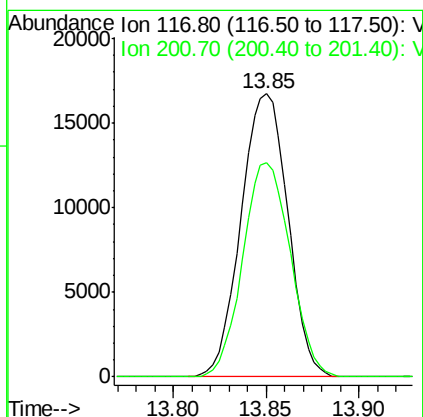
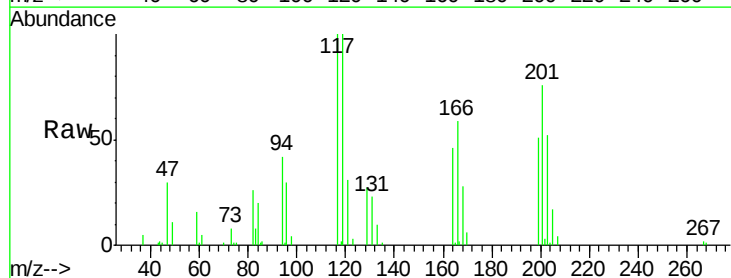
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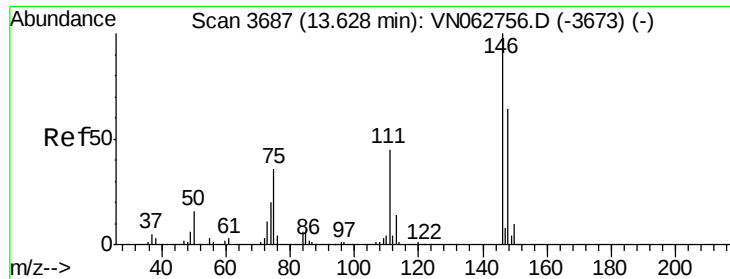
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#90
Hexachloroethane
Concen: 18.499 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	39.2	117.6





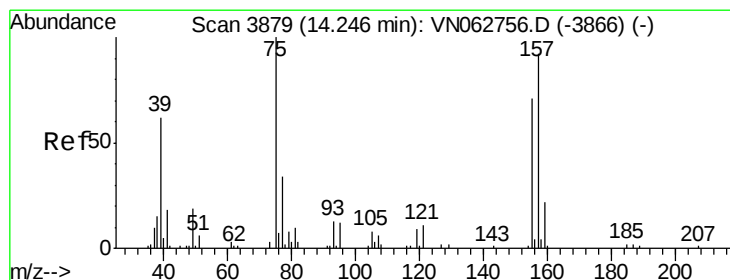
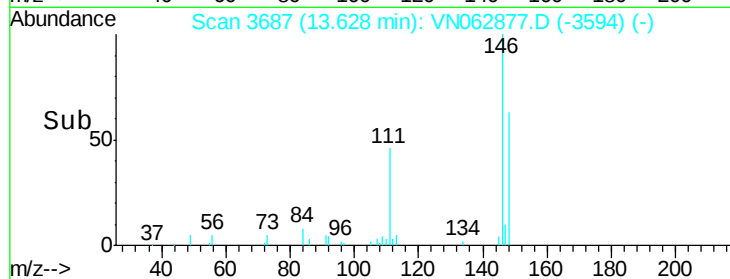
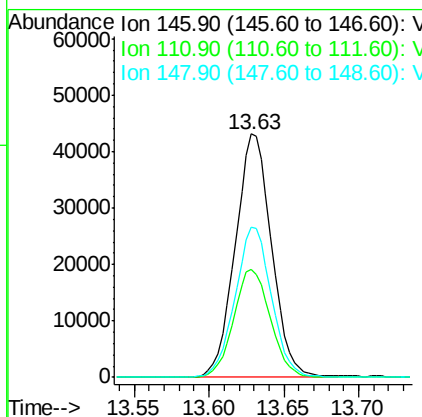
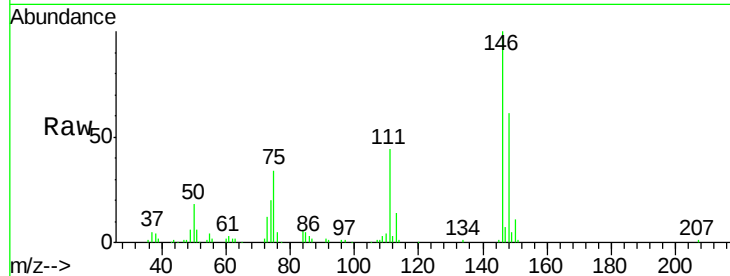
#91
 1,2-Dichlorobenzene
 Concen: 20.373 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.8	68.4
148	61.6	31.9	95.5

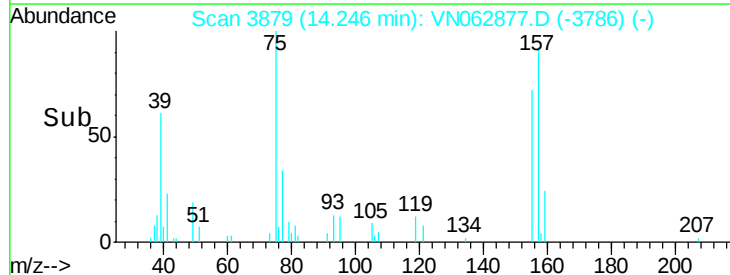
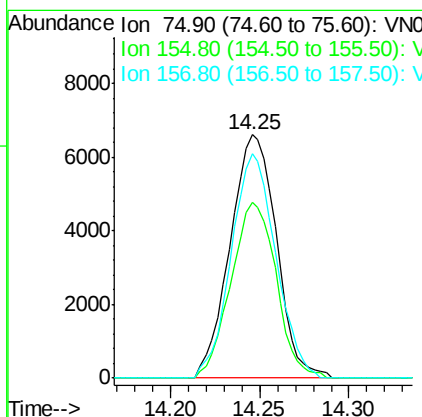
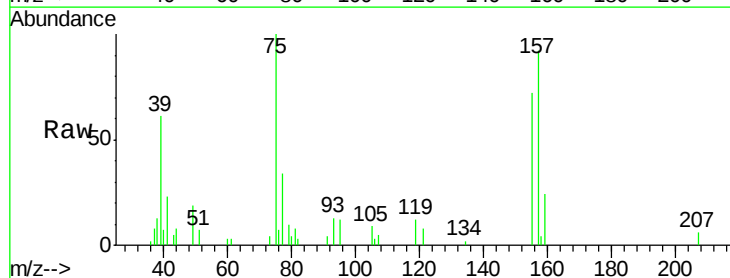
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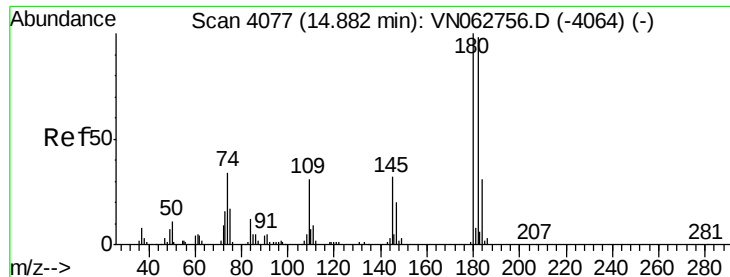
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.356 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.5	35.0	105.1
157	88.8	43.2	129.6





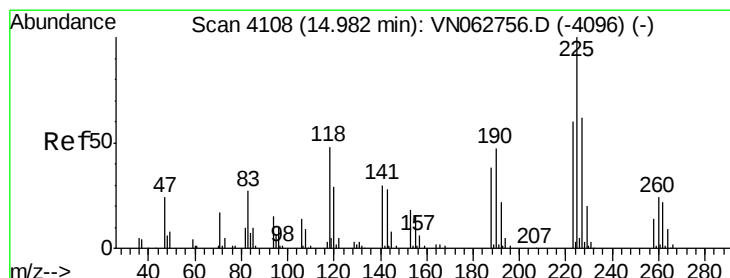
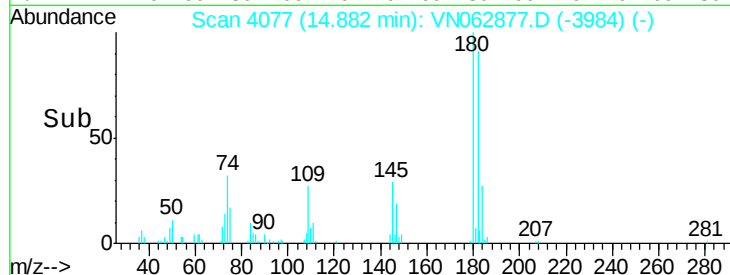
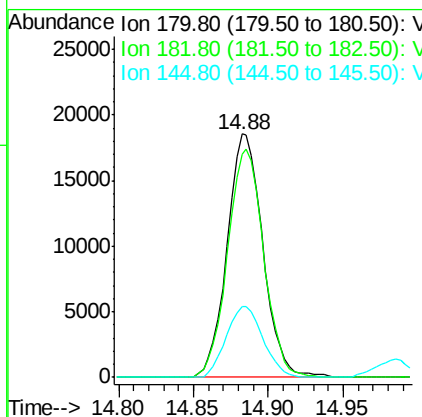
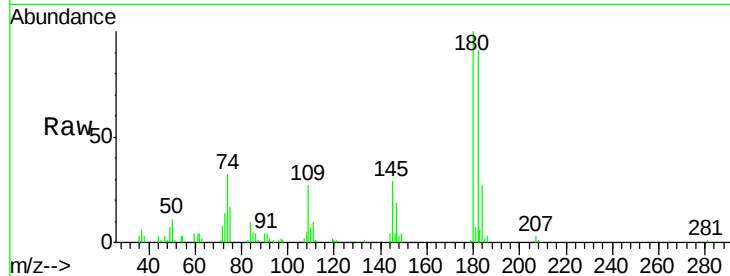
#93
 1,2,4-Trichlorobenzene
 Concen: 18.331 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion:	180	Resp:	30868
Ion Ratio	Lower	Upper	
180	100		
182	94.4	49.1	147.4
145	29.9	16.3	48.8

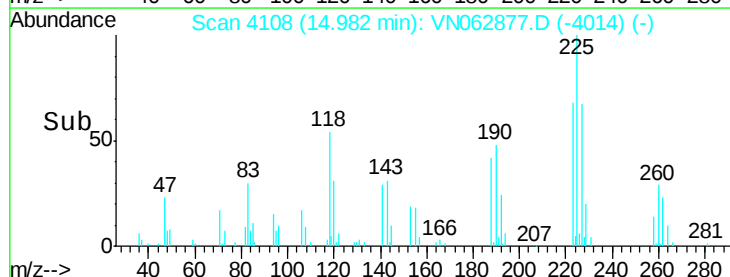
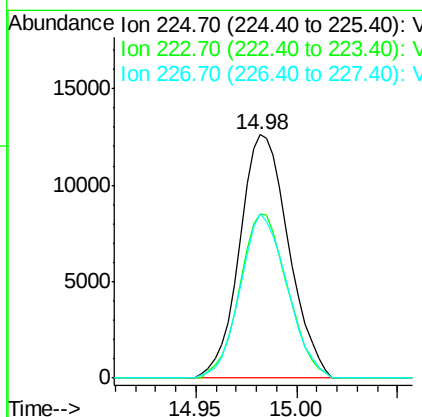
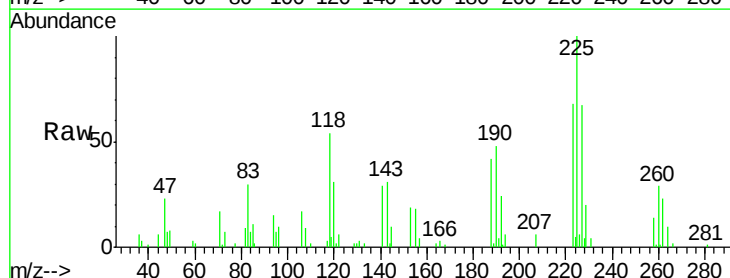
Manual Integrations
 APPROVED

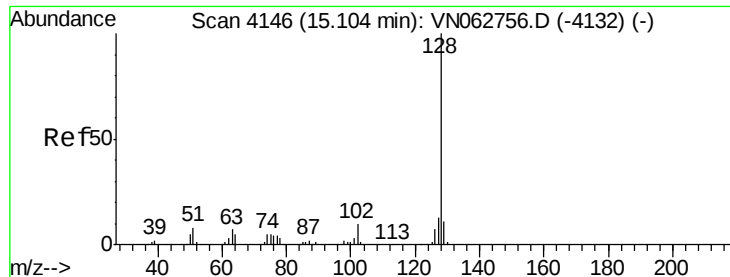
MMDadoda
 8/13/2020 10:56:07 AM



#94
 Hexachlorobutadiene
 Concen: 18.039 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062877.D
 Acq: 13 Aug 2020 00:17

Tgt Ion:	225	Resp:	21411
Ion Ratio	Lower	Upper	
225	100		
223	65.7	30.6	92.0
227	64.9	31.6	95.0





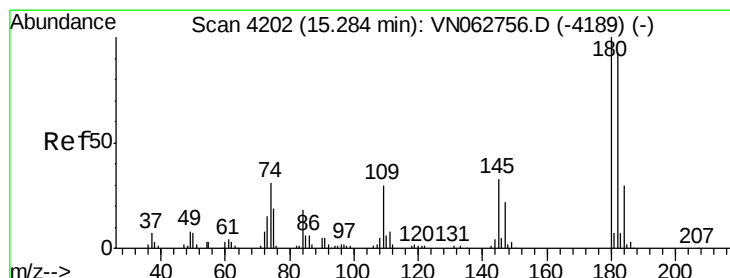
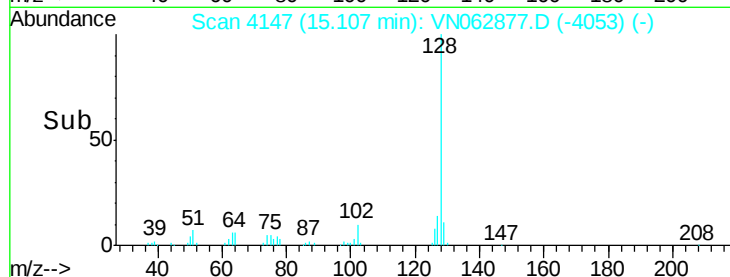
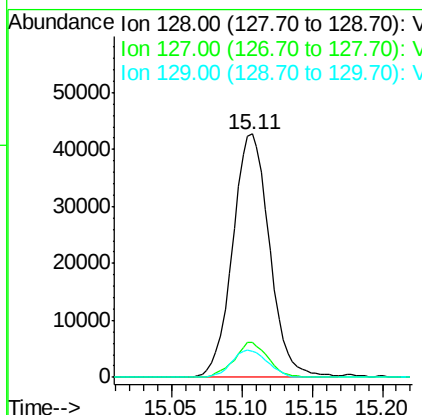
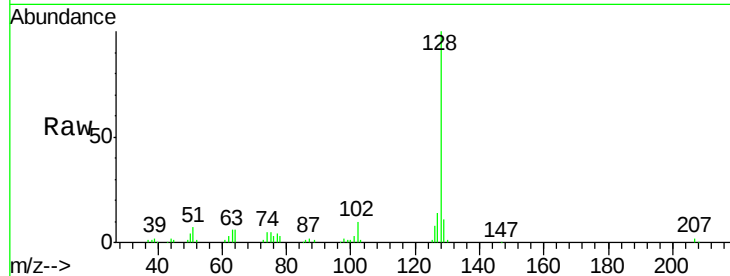
#95
Naphthalene
Concen: 17.535 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	78326		
127	13.2		10.8	16.2
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/13/2020 10:56:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.365 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062877.D
Acq: 13 Aug 2020 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	31282		
182	96.6		47.9	143.6
145	32.7		17.3	51.7

