

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062234.D
 Acq On : 30 Jun 2020 13:01
 Operator : JC/MD
 Sample : VN0630MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:45 AM

Quant Time: Jul 01 04:11:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	214851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	388508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	363842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	158808	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.54	113	120826	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.06	98	477160	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.37	95	154470	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42269	17.405	ug/l	99
3) Chloromethane	2.03	50	55021	18.399	ug/l	97
4) Vinyl Chloride	2.16	62	63863	16.699	ug/l	98
5) Bromomethane	2.53	94	46654	18.875	ug/l	97
6) Chloroethane	2.67	64	44028	16.853	ug/l	98
7) Trichlorofluoromethane	2.98	101	80932	17.174	ug/l	99
8) Diethyl Ether	3.37	74	33100	20.115	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47950	19.431	ug/l	96
10) Methyl Iodide	3.91	142	52224	18.791	ug/l	98
11) Tert butyl alcohol	4.72	59	44993	103.934	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	46103	18.688	ug/l	98
13) Acrolein	3.56	56	46556	109.845	ug/l	99
14) Allyl chloride	4.27	41	67372	20.058	ug/l	96
15) Acrylonitrile	4.93	53	123021	104.285	ug/l	99
16) Acetone	3.77	43	101212	104.589	ug/l	100
17) Carbon Disulfide	4.00	76	125868	17.845	ug/l	99
18) Methyl Acetate	4.27	43	51979	21.687	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	158116	20.058	ug/l	96
20) Methylene Chloride	4.50	84	58654	21.066	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	50552	17.987	ug/l	92
22) Diisopropyl ether	5.90	45	155800	20.372	ug/l	98
23) Vinyl Acetate	5.84	43	637821	102.151	ug/l	98
24) 1,1-Dichloroethane	5.79	63	95736	19.440	ug/l	98
25) 2-Butanone	6.78	43	149334	101.330	ug/l	97
26) 2,2-Dichloropropane	6.77	77	76727	18.697	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	60104	19.006	ug/l	99
28) Bromochloromethane	7.15	49	40590	18.997	ug/l	93
29) Tetrahydrofuran	7.16	42	97842	101.352	ug/l	99
30) Chloroform	7.33	83	95360	19.032	ug/l	99
31) Cyclohexane	7.61	56	77480	18.600	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	79541	18.824	ug/l	98
36) 1,1-Dichloropropene	7.75	75	69713	17.852	ug/l	99
37) Ethyl Acetate	6.88	43	66596	20.595	ug/l	98
38) Carbon Tetrachloride	7.73	117	65564	17.808	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	79510	18.583	ug/l	99
40) Benzene	8.00	78	220247	18.504	ug/l	100
41) Methacrylonitrile	7.12	41	26611	17.751	ug/l	93
42) 1,2-Dichloroethane	8.08	62	77424	19.253	ug/l	100
43) Isopropyl Acetate	8.12	43	105801	20.071	ug/l	99
44) Trichloroethene	8.80	130	51921	17.293	ug/l	94
45) 1,2-Dichloropropane	9.08	63	56929	19.387	ug/l	96
46) Dibromomethane	9.17	93	37898	19.036	ug/l	97
47) Bromodichloromethane	9.37	83	77566	19.295	ug/l	97
48) Methyl methacrylate	9.16	41	47205	19.972	ug/l	98
49) 1,4-Dioxane	9.17	88	20261	386.557	ug/l	90
51) 4-Methyl-2-Pentanone	9.95	43	312783	101.559	ug/l	100
52) Toluene	10.12	92	135867	18.708	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	83640	18.912	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	90841	19.293	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	54984	19.260	ug/l	96
56) Ethyl methacrylate	10.40	69	73484	19.288	ug/l	97
57) 1,3-Dichloropropane	10.68	76	94595	19.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	137463	95.391	ug/l	97
59) 2-Hexanone	10.72	43	222725	100.149	ug/l	99
60) Dibromochloromethane	10.87	129	54985	18.193	ug/l	100
61) 1,2-Dibromoethane	10.98	107	53819	18.347	ug/l	99
64) Tetrachloroethene	10.60	164	41017	16.503	ug/l	95
65) Chlorobenzene	11.40	112	143231	17.926	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	50298	18.205	ug/l	99
67) Ethyl Benzene	11.48	91	248050	18.382	ug/l	96
68) m/p-Xylenes	11.60	106	185540	35.549	ug/l	96
69) o-Xylene	11.92	106	89210	18.116	ug/l	97
70) Styrene	11.94	104	148288	18.056	ug/l	99
71) Bromoform	12.10	173	34257	17.439	ug/l #	100
73) Isopropylbenzene	12.22	105	237491	19.360	ug/l	100
74) N-amyl acetate	12.05	43	83672	20.633	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	80564	19.735	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	71086m	19.055	ug/l	
77) Bromobenzene	12.50	156	55046	18.074	ug/l	90
78) n-propylbenzene	12.57	91	275860	19.660	ug/l	100
79) 2-Chlorotoluene	12.65	91	162424	19.147	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	195326	19.642	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	23536	18.424	ug/l	91
82) 4-Chlorotoluene	12.75	91	166738	19.008	ug/l	99
83) tert-Butylbenzene	12.97	119	160156	18.819	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	195834	19.718	ug/l	99
85) sec-Butylbenzene	13.15	105	226502	20.142	ug/l	99
86) p-Isopropyltoluene	13.26	119	192741	19.563	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	98919	18.497	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	99207	17.996	ug/l	98
89) n-Butylbenzene	13.59	91	160142	19.551	ug/l	99
90) Hexachloroethane	13.85	117	37828	19.569	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	96941	18.693	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	13096	20.026	ug/l	95

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Instrument :
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VN0630MBS01

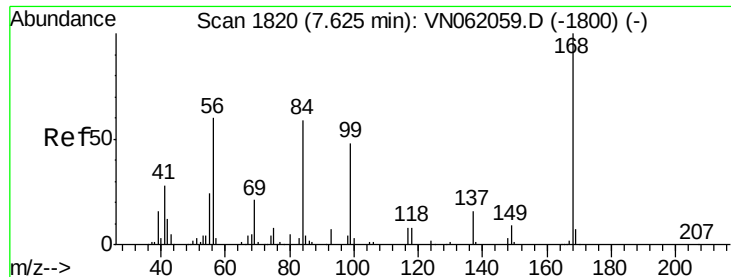
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	39927	17.624	ug/l	100
94) Hexachlorobutadiene	14.98	225	20342	20.673	ug/l	98
95) Naphthalene	15.11	128	113439	17.813	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	41869	18.074	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

VN0630MBS01

Tot Ion:168 Resp: 214851

Ion Ratio Lower Upper

168 100

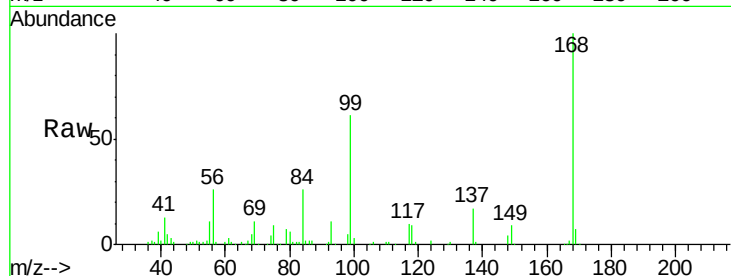
99 61.1 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

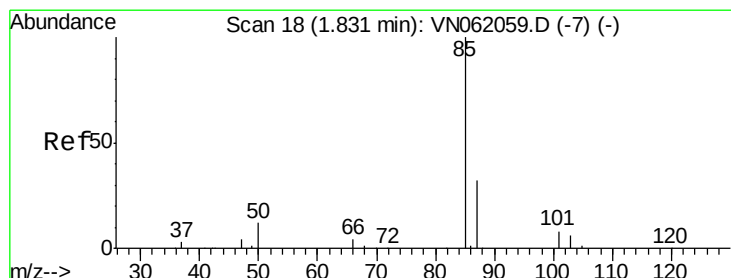
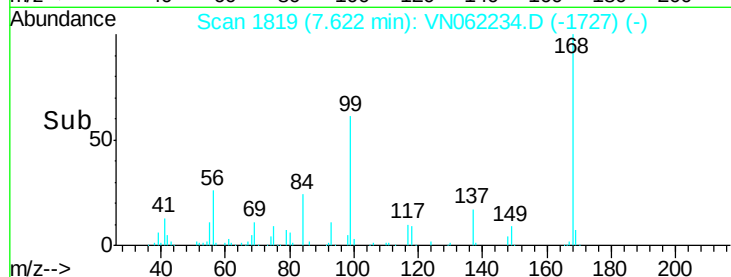
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.405 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062234.D

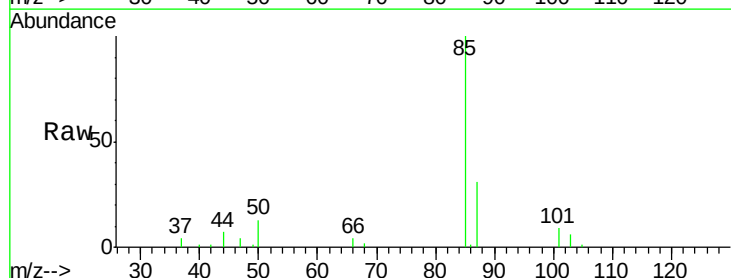
Acq: 30 Jun 2020 13:01

Tgt Ion: 85 Resp: 42269

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

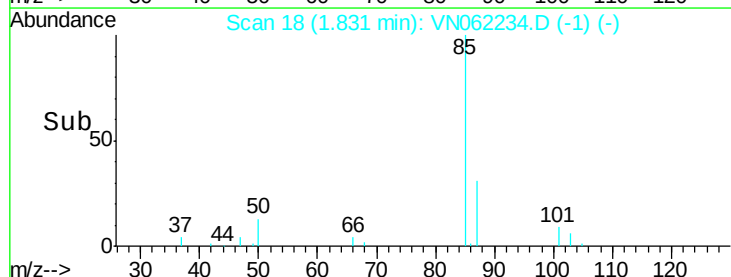
30000

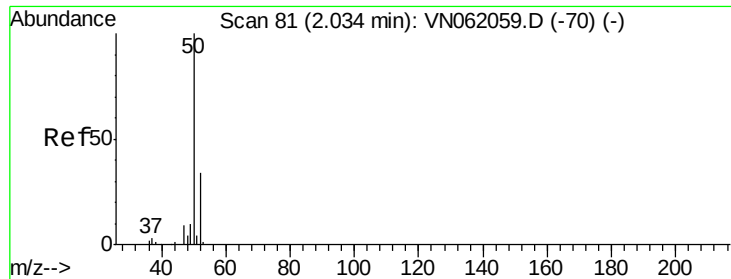
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.399 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0630MBS01

Tot Ion: 50 Resp: 55021

Ion Ratio Lower Upper

50 100

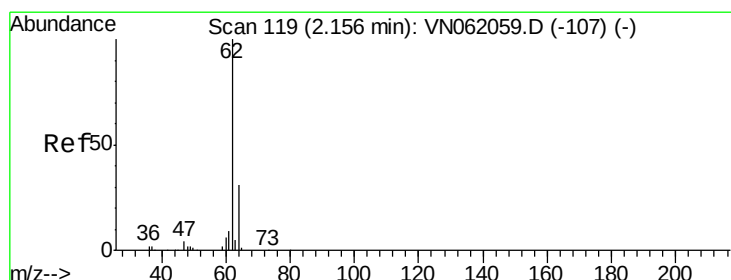
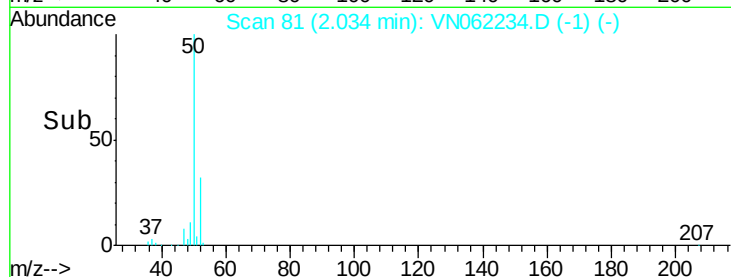
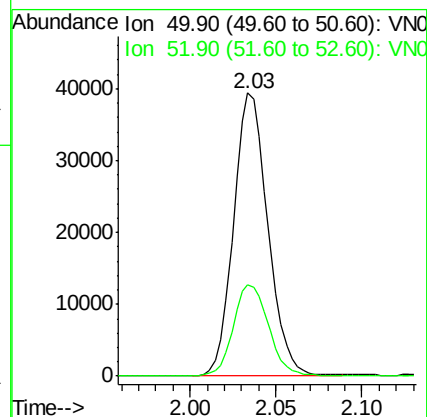
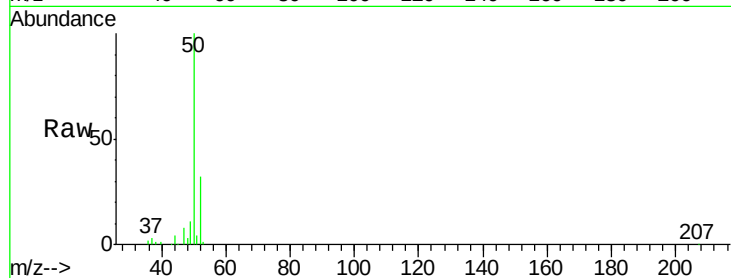
52 32.4 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.699 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062234.D

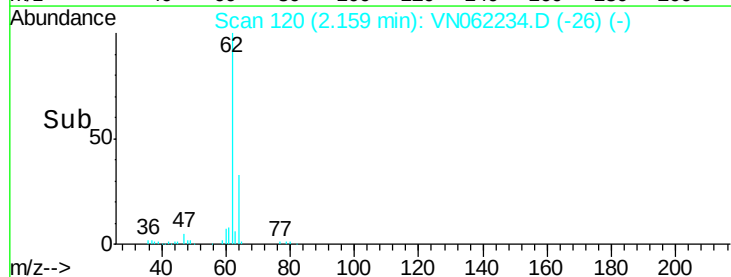
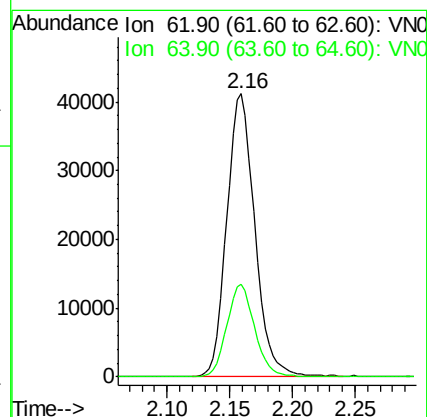
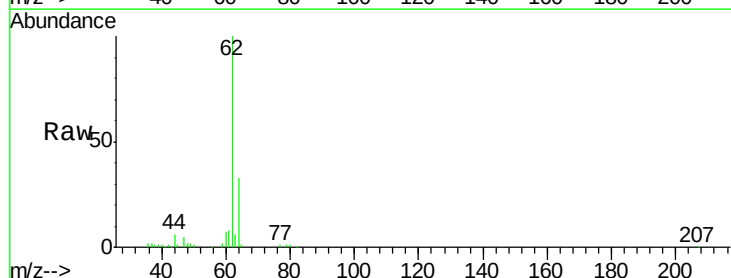
Acq: 30 Jun 2020 13:01

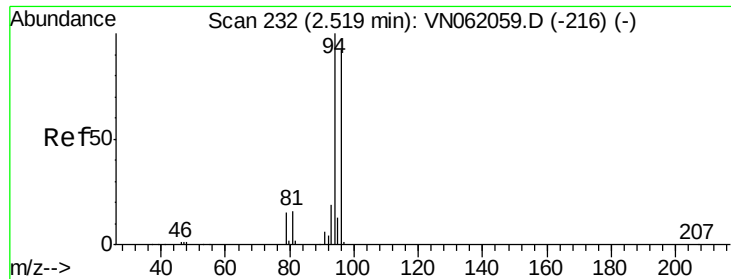
Tgt Ion: 62 Resp: 63863

Ion Ratio Lower Upper

62 100

64 32.7 25.1 37.7





#5

Bromomethane

Concen: 18.875 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

VN0630MBS01

Tot Ion: 94 Resp: 46654

Ion Ratio Lower Upper

94 100

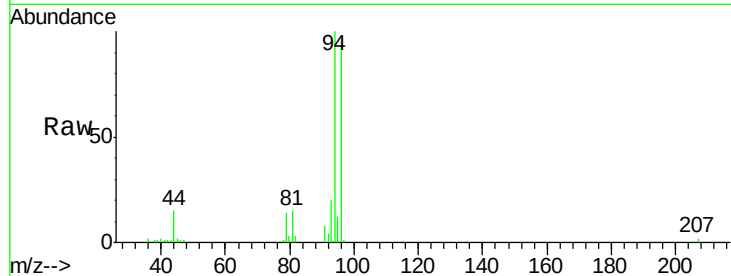
96 94.7 73.4 110.2

Manual Integrations

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7/1/2020 10:16:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VN062234.D (-139) (-)

Ion 95.90 (95.60 to 96.60): VN062234.D (-139) (-)

25000

20000

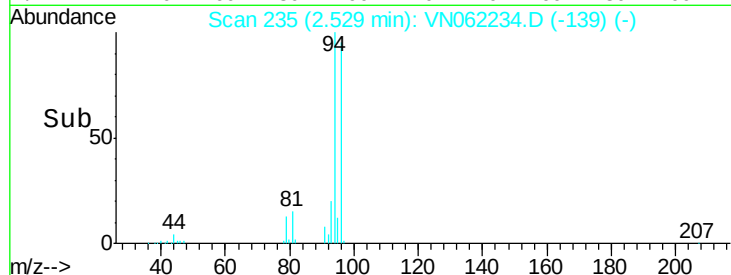
15000

10000

5000

0

Time-->



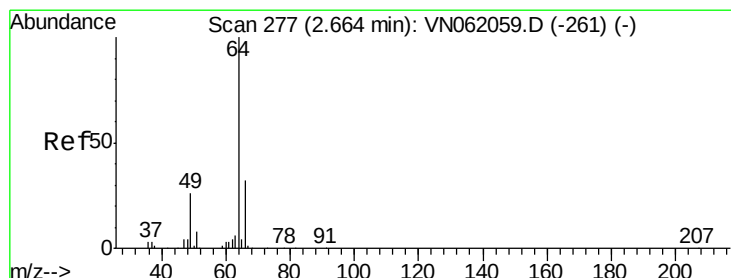
2.53

2.50

2.55

2.60

2.65



#6

Chloroethane

Concen: 16.853 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062234.D

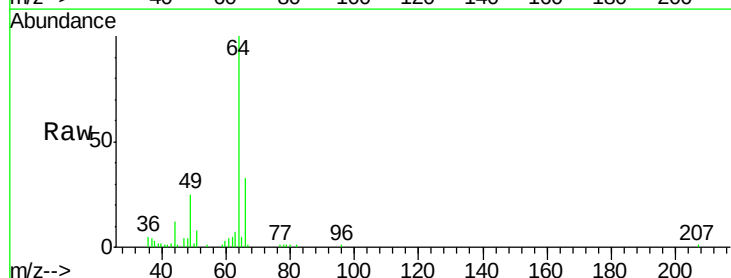
Acq: 30 Jun 2020 13:01

Tgt Ion: 64 Resp: 44028

Ion Ratio Lower Upper

64 100

66 33.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN062234.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VN062234.D (-184) (-)

20000

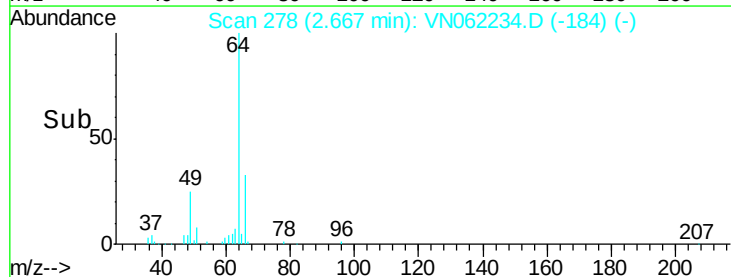
15000

10000

5000

0

Time-->



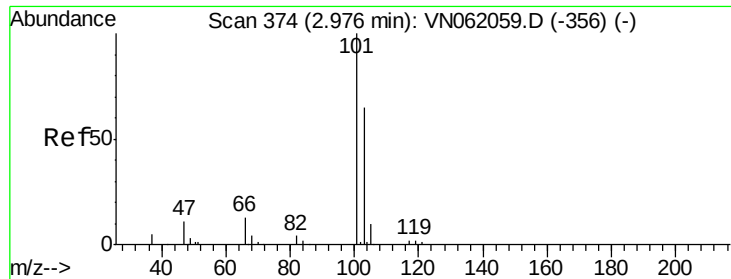
2.67

2.60

2.65

2.70

2.75



#7

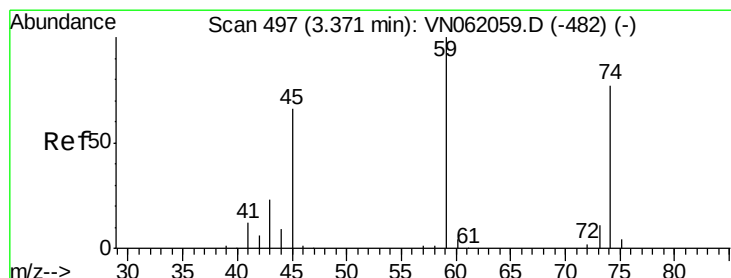
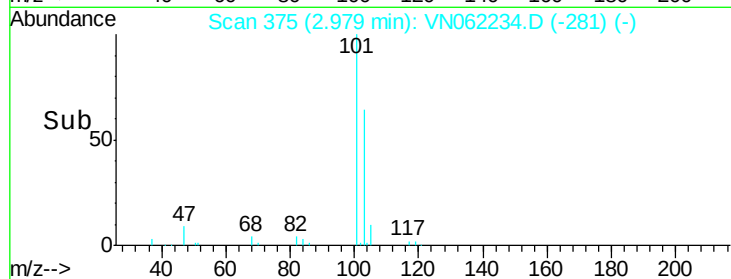
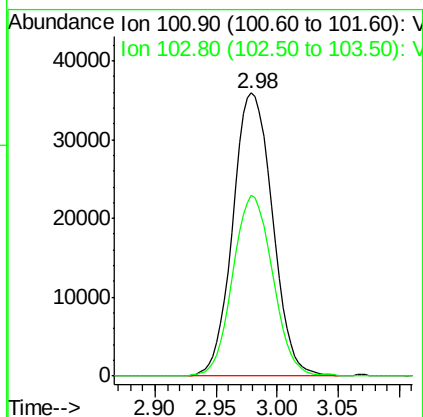
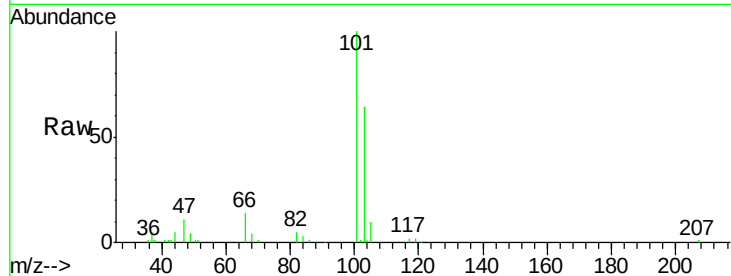
Trichlorofluoromethane
 Concen: 17.174 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
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 ClientSampleId :
 VN0630MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.6

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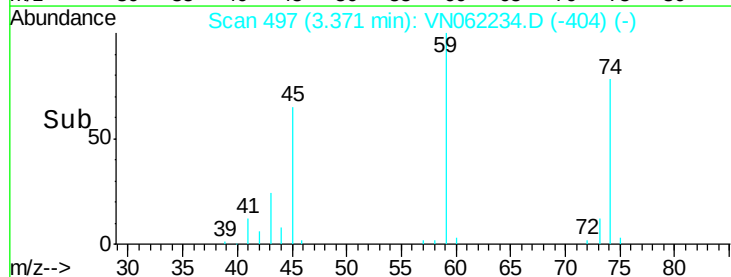
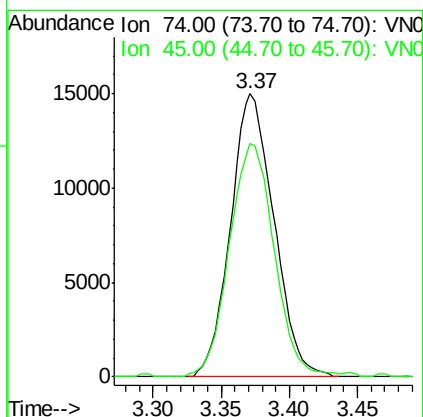
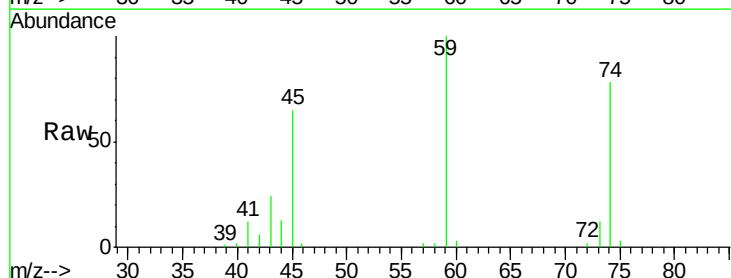
MMDadoda
 7/1/2020 10:16:45 AM

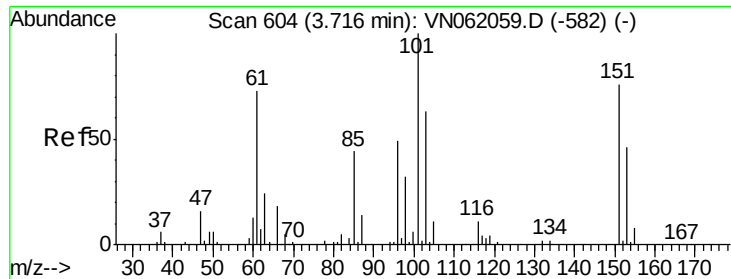


#8

Diethyl Ether
 Concen: 20.115 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.3	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.431 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

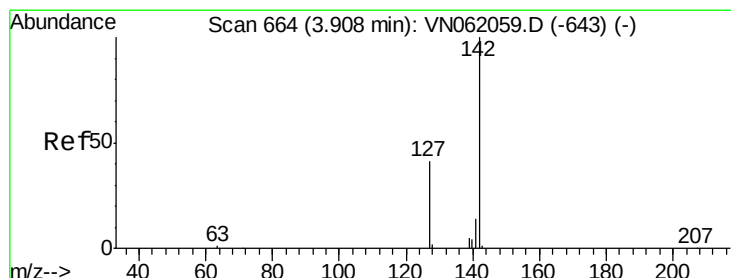
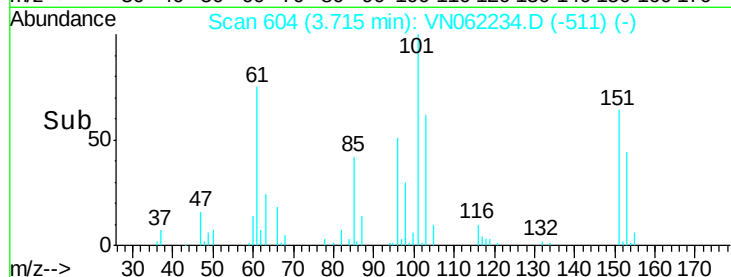
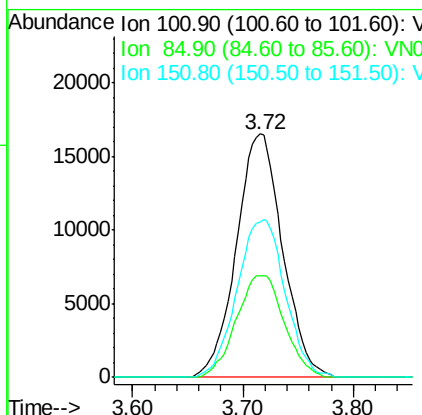
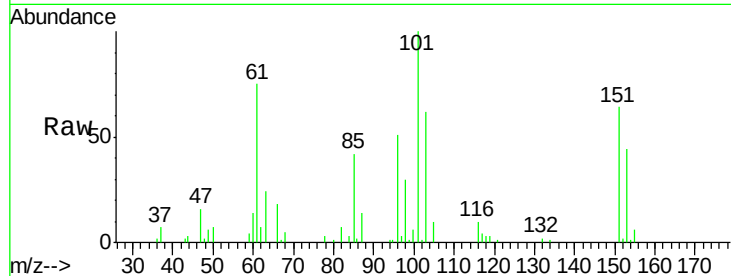
ClientSampled :

VN0630MBS01

Tot Ion:	101	Resp:	47950
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.5	51.7
151	67.3	57.8	86.8

Manual Integrations
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7/1/2020 10:16:45 AM



#10

Methyl Iodide

Concen: 18.791 ug/l

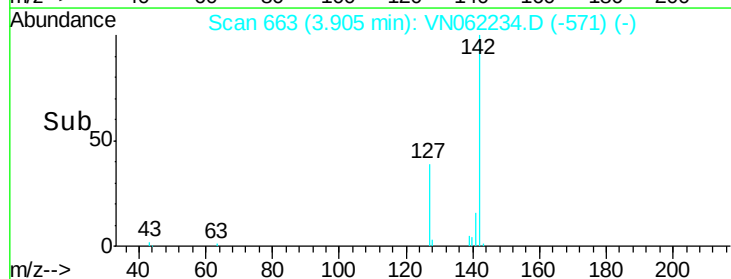
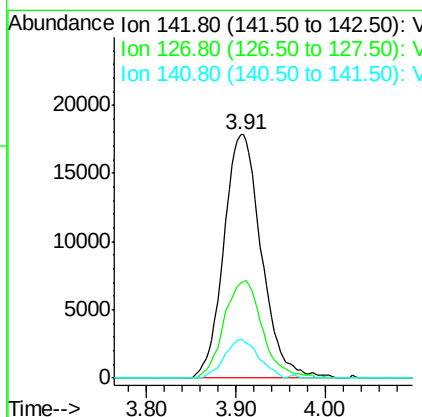
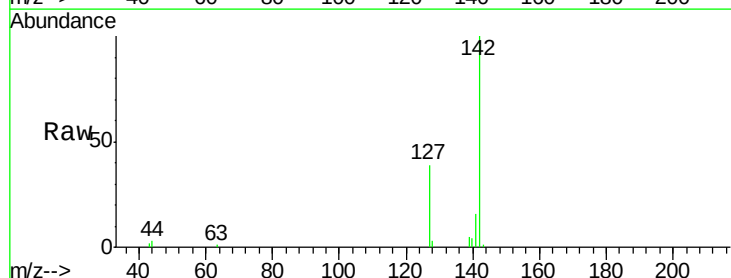
RT: 3.91 min Scan# 663

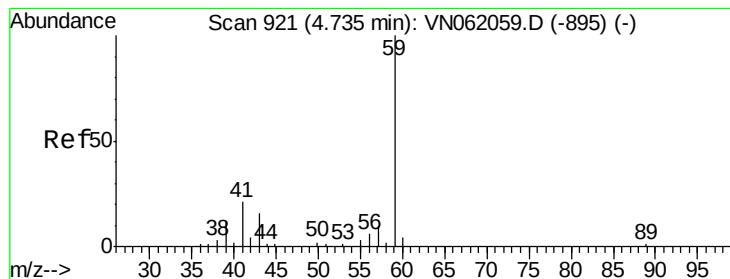
Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Tgt Ion:	142	Resp:	52224
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.6	50.4
141	14.5	11.3	16.9





#11

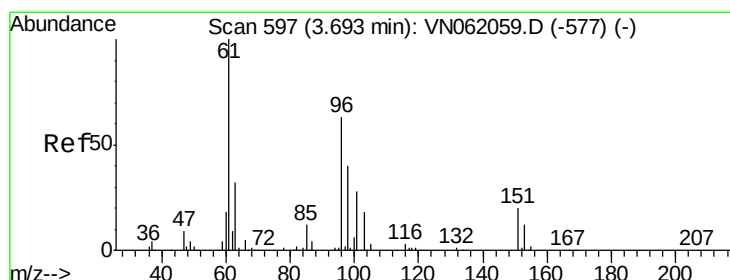
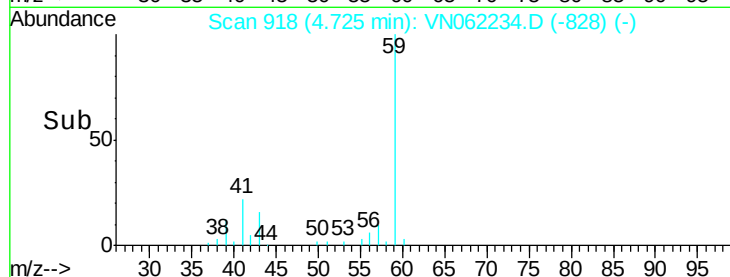
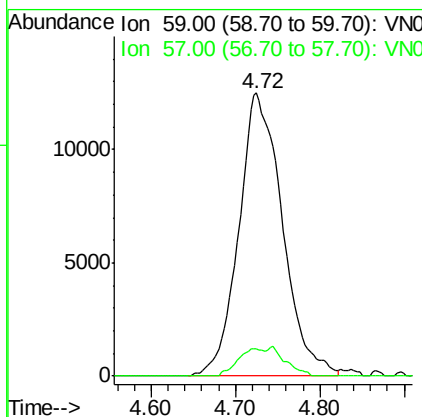
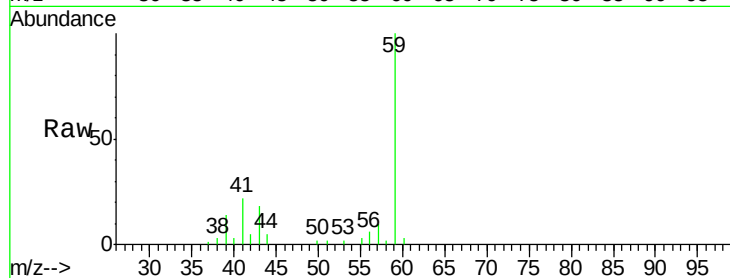
Tert butyl alcohol
 Concen: 103.934 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630MBS01

Tot Ion	59	57	Ratio	100	5.8	Resp:	44993	Lower	8.3	Upper	12.5#
Ion	59	57	Ratio	100	5.8	Resp:	44993	Lower	8.3	Upper	12.5#

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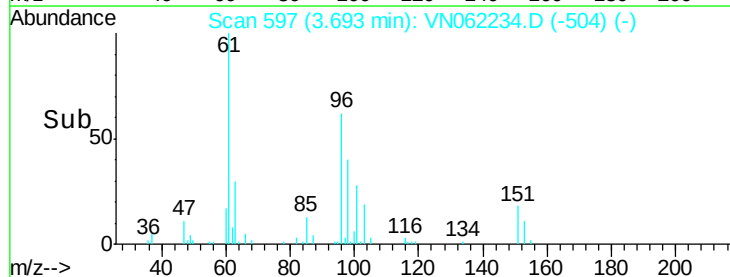
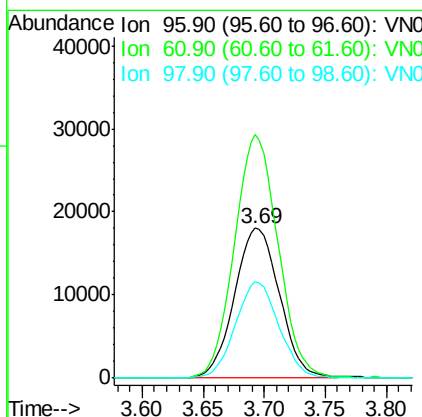
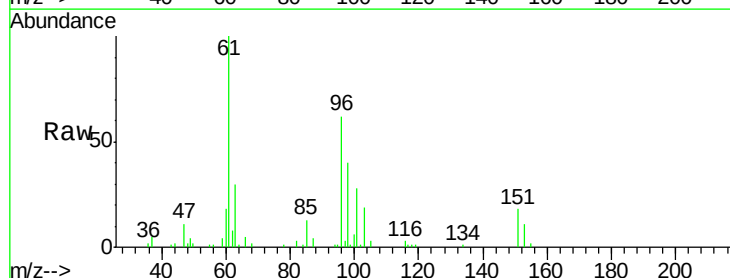
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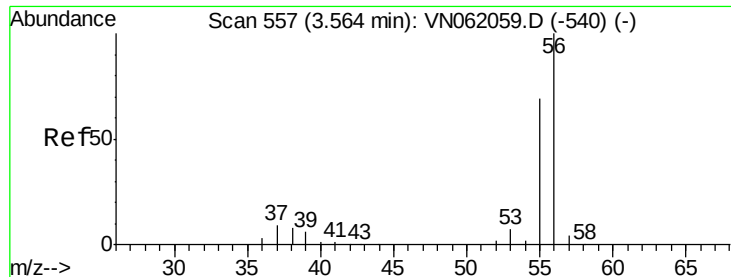


#12

1,1-Dichloroethene
 Concen: 18.688 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	96	61	98	Ratio	100	162.5	64.3	Resp:	46103	Lower	126.7	51.0	Upper	190.1	76.4
Ion	96	61	98	Ratio	100	162.5	64.3	Resp:	46103	Lower	126.7	51.0	Upper	190.1	76.4





#13

Acrolein

Concen: 109.845 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0630MBS01

Tot Ion: 56 Resp: 46556

Ion Ratio Lower Upper

56 100

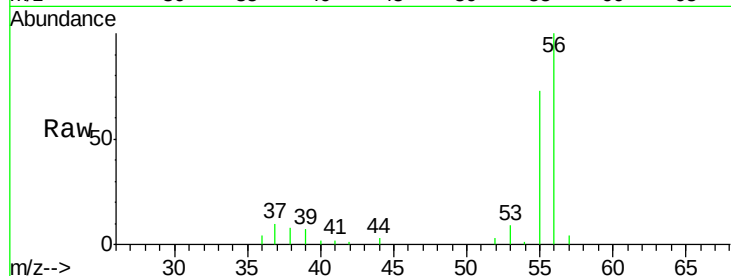
55 70.1 55.5 83.3

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Abundance Ion 56.00 (55.70 to 56.70): VN062234.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN062234.D (-464) (-)

20000

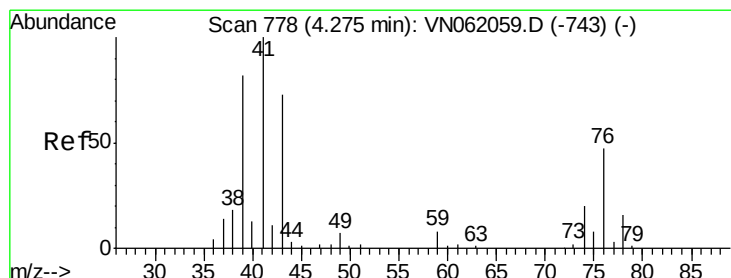
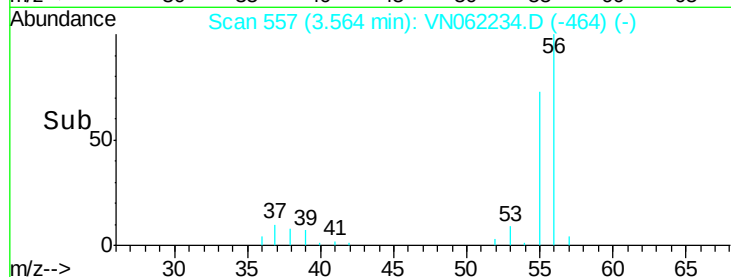
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.058 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

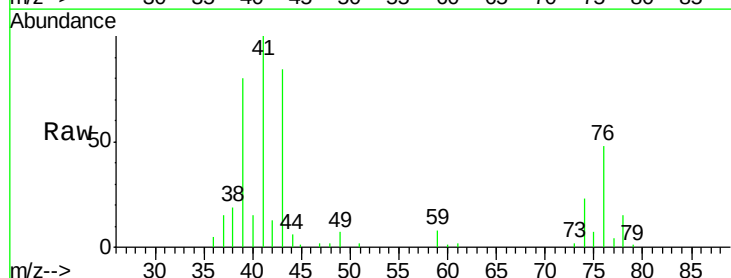
Tgt Ion: 41 Resp: 67372

Ion Ratio Lower Upper

41 100

39 70.7 60.0 90.0

76 41.6 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN062234.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN062234.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN062234.D (-685) (-)

25000

20000

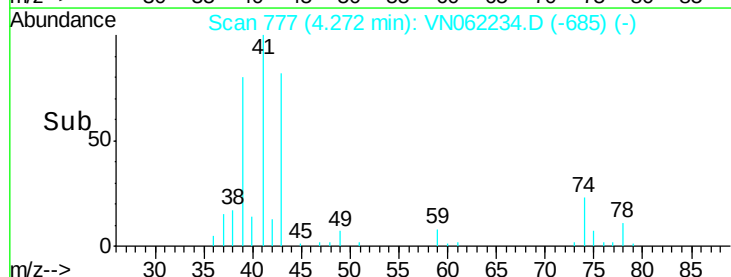
15000

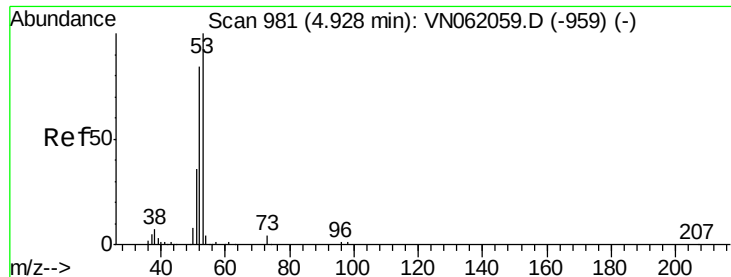
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 104.285 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

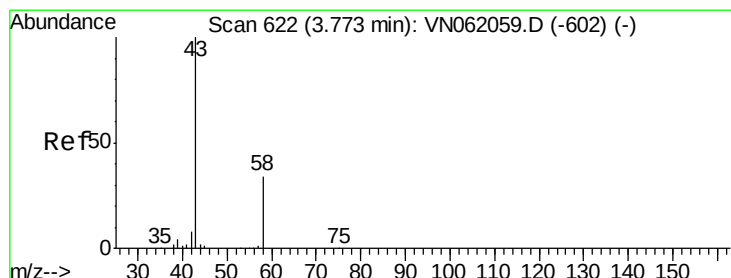
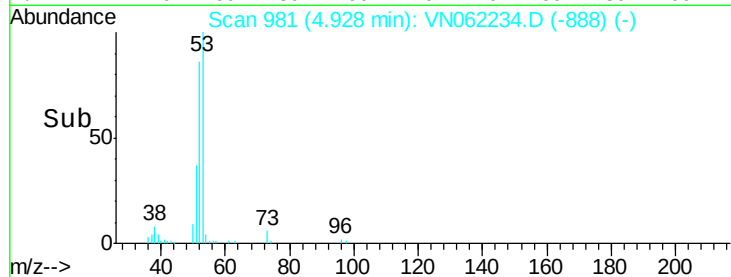
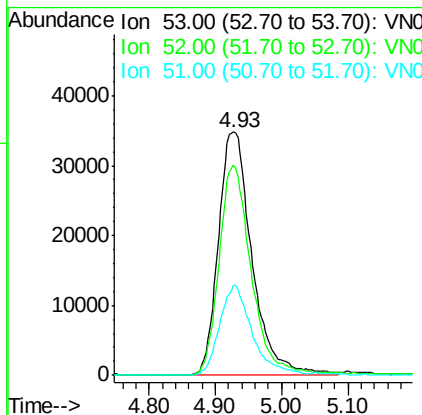
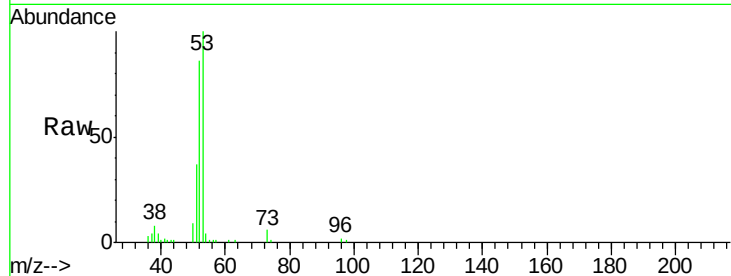
ClientSampleId :

VN0630MBS01

Tot Ion:	53	Resp:	123021
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.4
51	35.8	28.9	43.3

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#16

Acetone

Concen: 104.589 ug/l

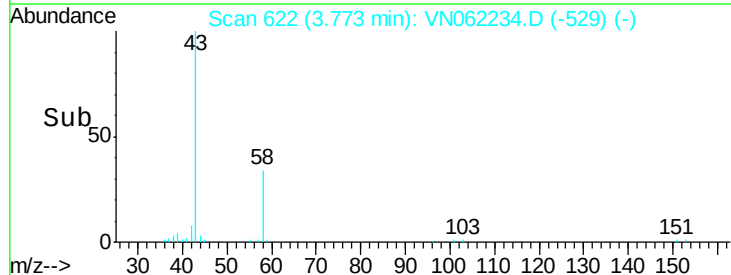
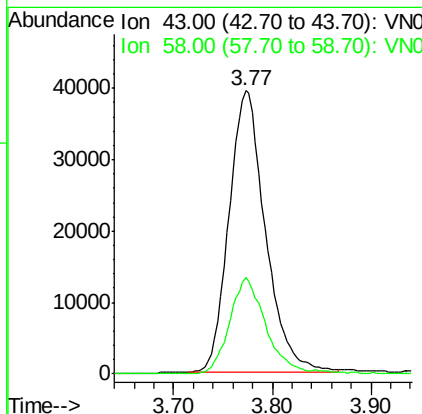
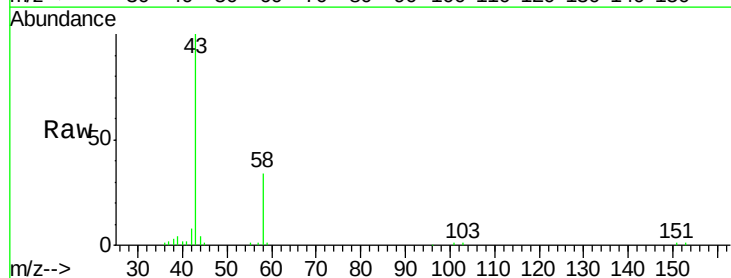
RT: 3.77 min Scan# 622

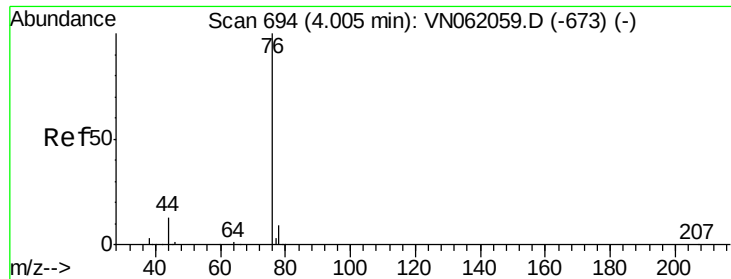
Delta R.T. 0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Tgt Ion:	43	Resp:	101212
Ion Ratio	Lower	Upper	
43	100		
58	34.5	27.5	41.3





#17

Carbon Disulfide

Concen: 17.845 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

VN0630MBS01

Tot Ion: 76 Resp: 125868

Ion Ratio Lower Upper

76 100

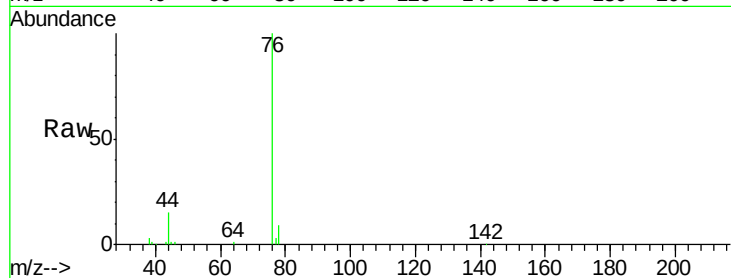
78 9.5 7.2 10.8

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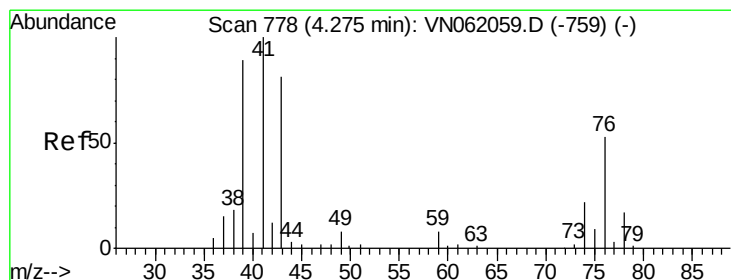
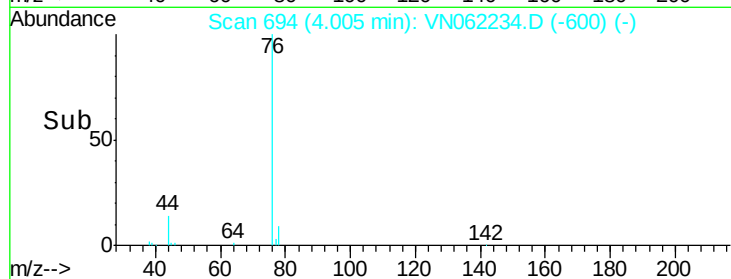
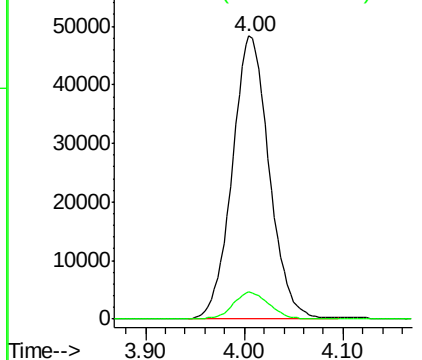
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.687 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062234.D

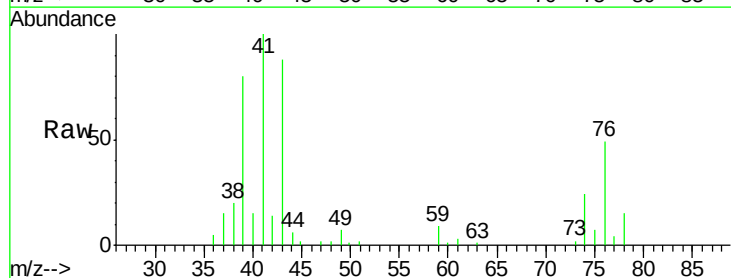
Acq: 30 Jun 2020 13:01

Tgt Ion: 43 Resp: 51979

Ion Ratio Lower Upper

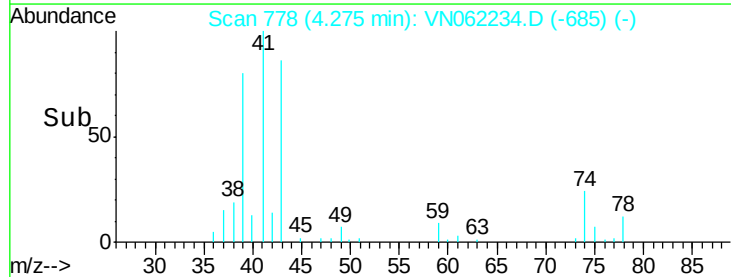
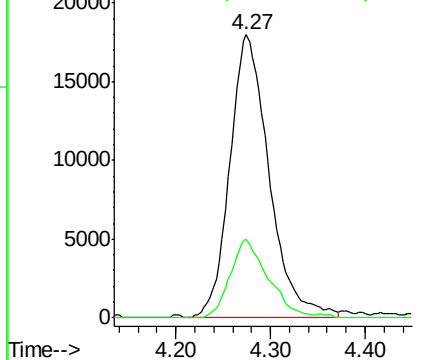
43 100

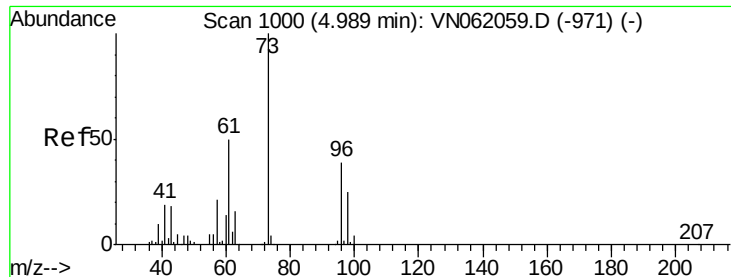
74 26.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





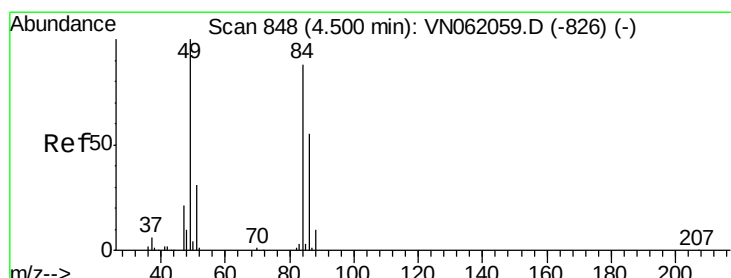
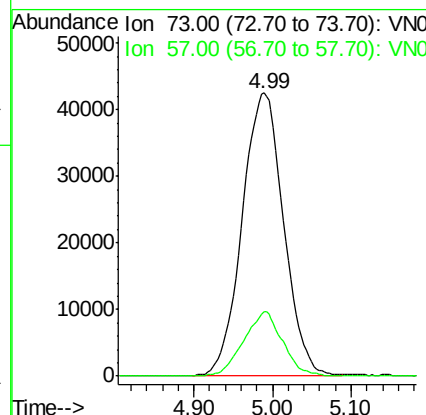
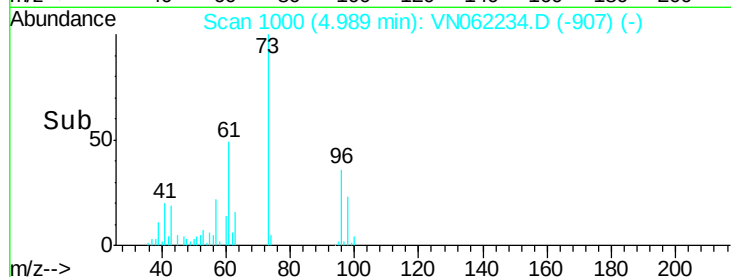
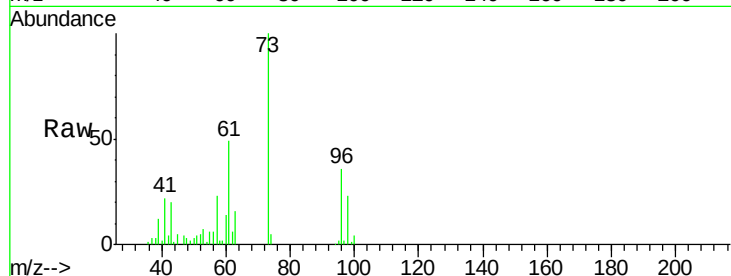
#19
Methvl tert-butvl Ether
Concen: 20.058 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion: 73 Resp: 158116
Ion Ratio Lower Upper
73 100
57 22.7 16.6 24.8

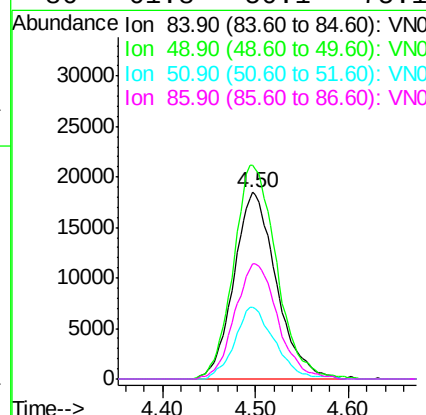
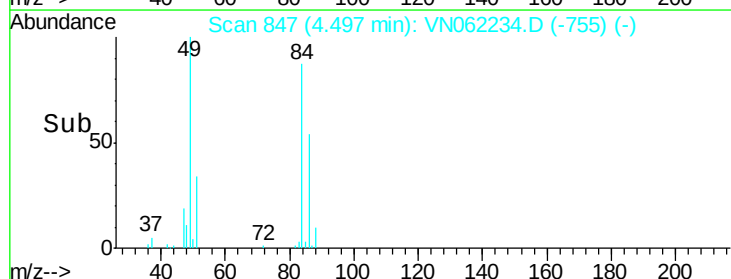
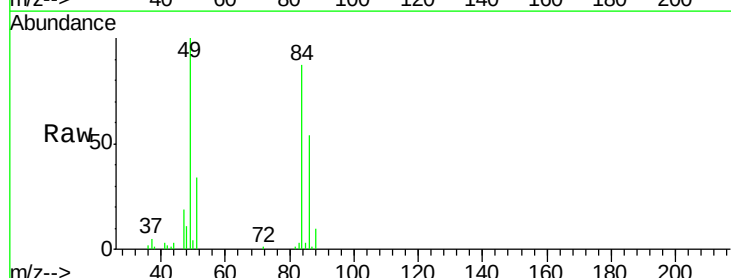
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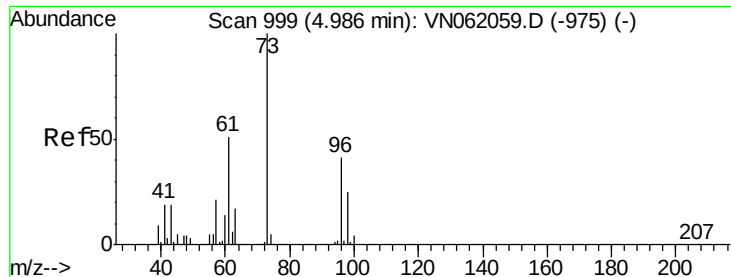
MMDadoda
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#20
Methylene Chloride
Concen: 21.066 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion: 84 Resp: 58654
Ion Ratio Lower Upper
84 100
49 114.6 90.6 136.0
51 38.6 27.8 41.8
86 61.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 17.987 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

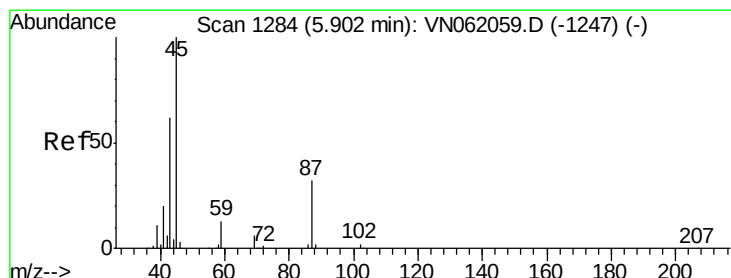
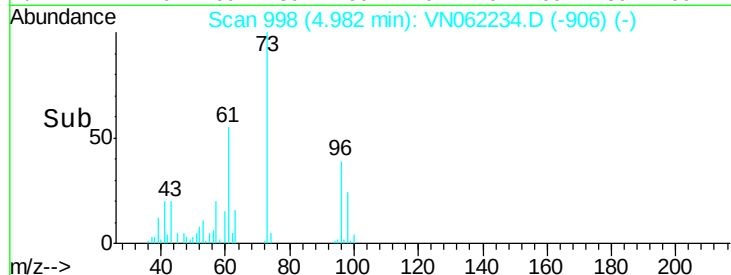
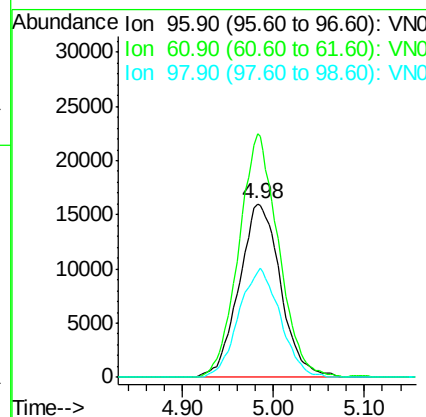
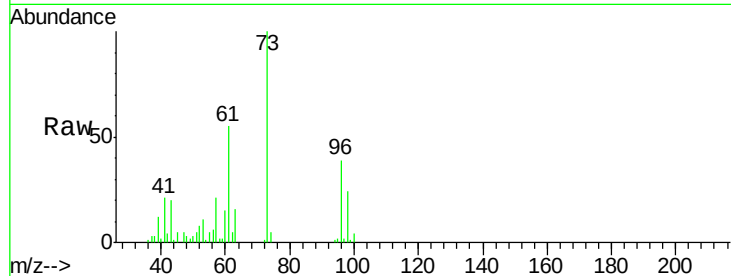
ClientSampleId :

VN0630MBS01

Tot Ion:	96	Resp:	50552
Ion	Ratio	Lower	Upper
96	100		
61	140.4	101.4	152.2
98	60.9	49.3	73.9

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#22

Diisopropyl ether

Concen: 20.372 ug/l

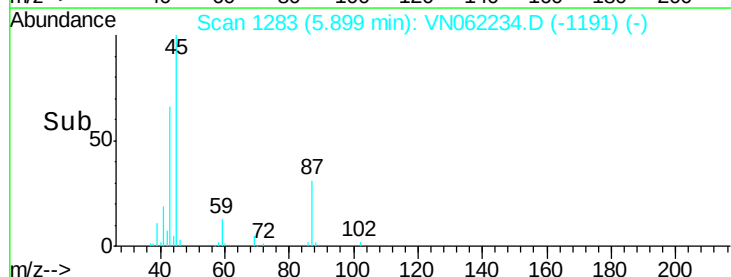
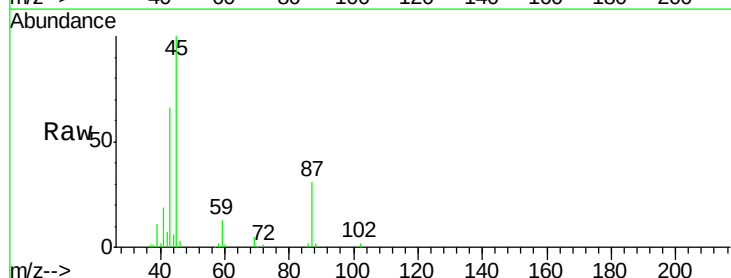
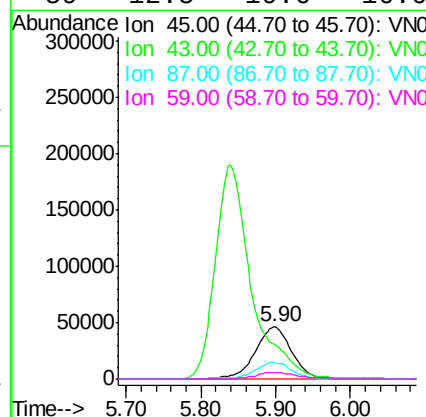
RT: 5.90 min Scan# 1283

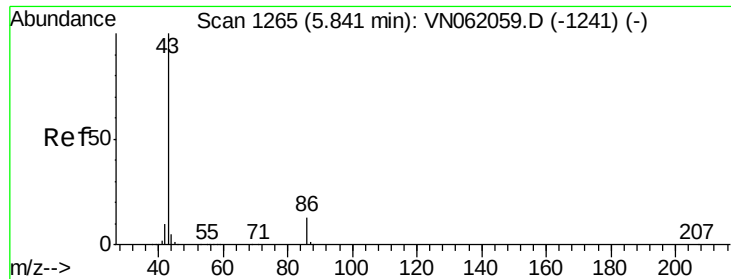
Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Tgt Ion:	45	Resp:	155800
Ion	Ratio	Lower	Upper
45	100		
43	63.5	49.7	74.5
87	31.3	25.9	38.9
59	12.5	10.6	16.0





#23

Vinyl Acetate

Concen: 102.151 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

VN0630MBS01

Tot Ion: 43 Resp: 637821

Ion Ratio Lower Upper

43 100

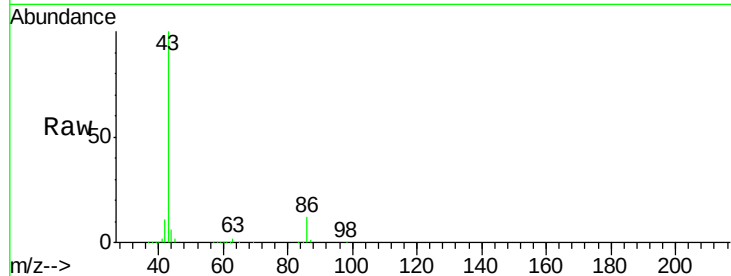
86 12.0 10.1 15.1

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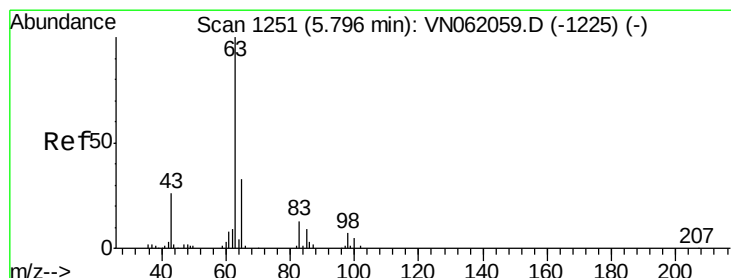
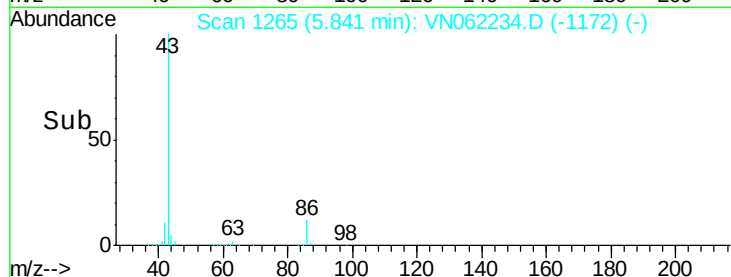
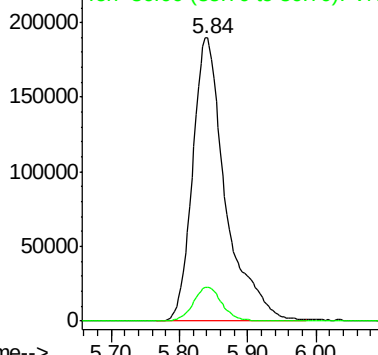
MMDadoda

7/1/2020 10:16:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.440 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

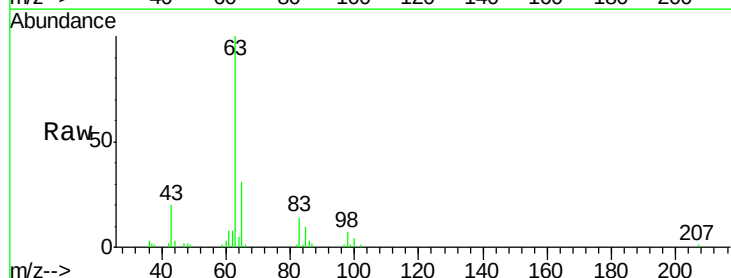
Tgt Ion: 63 Resp: 95736

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

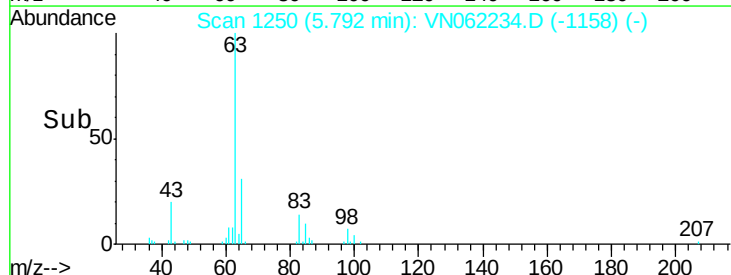
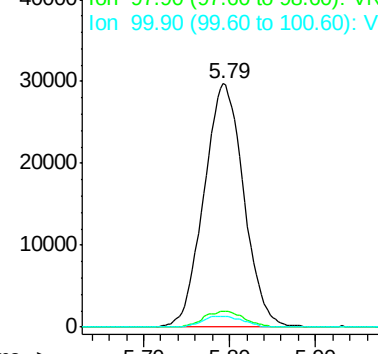
100 4.4 2.4 7.1

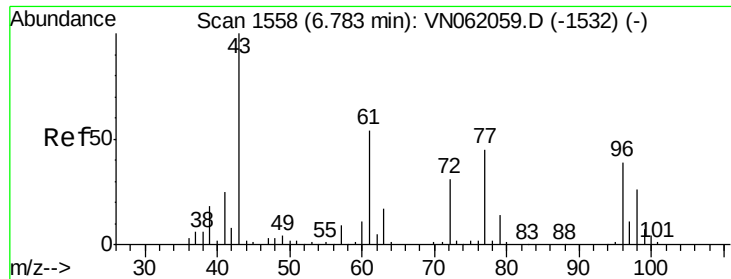


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





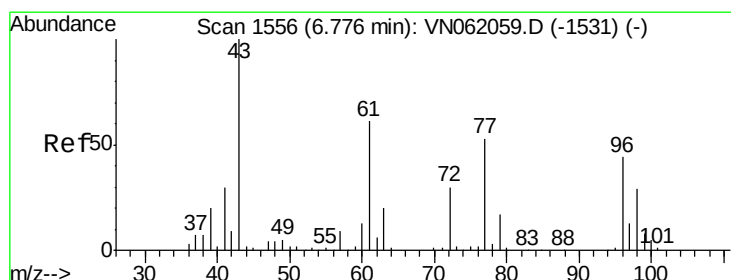
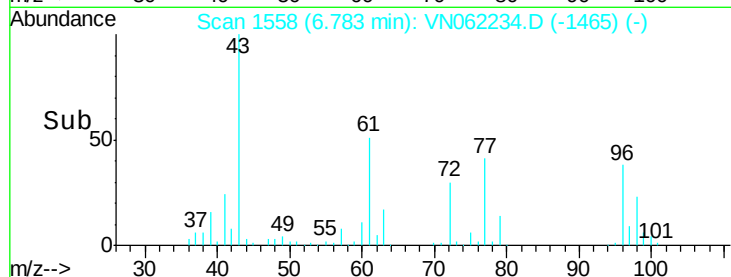
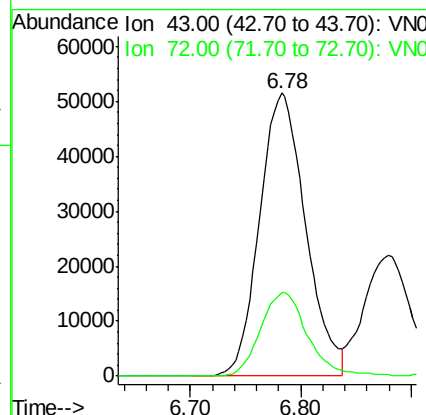
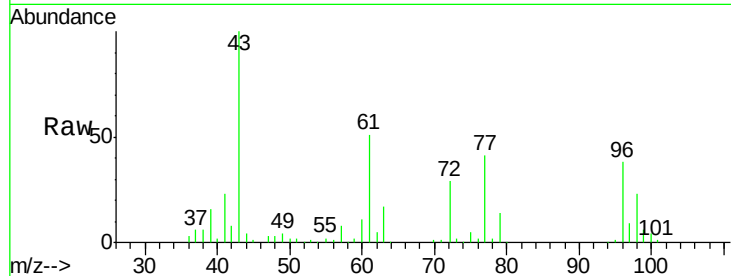
#25
2-Butanone
Concen: 101.330 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion: 43 Resp: 149334
Ion Ratio Lower Upper
43 100
72 29.4 24.8 37.2

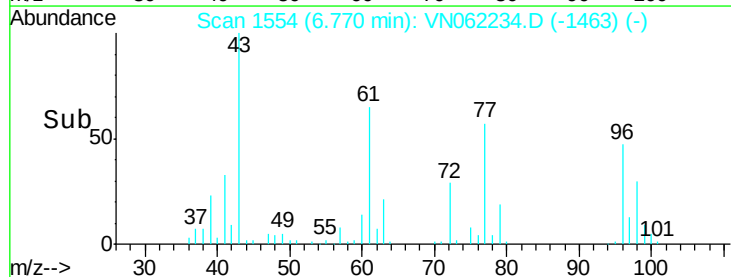
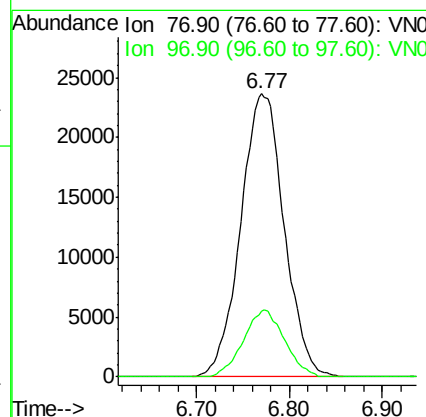
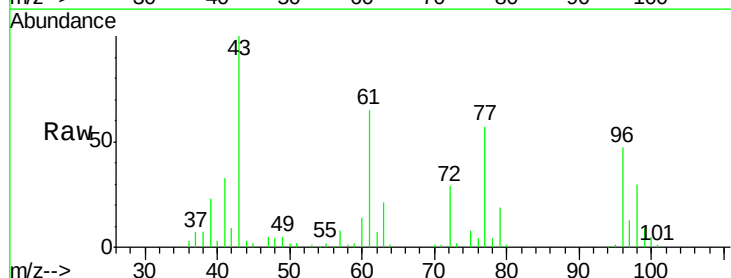
Manual Integrations
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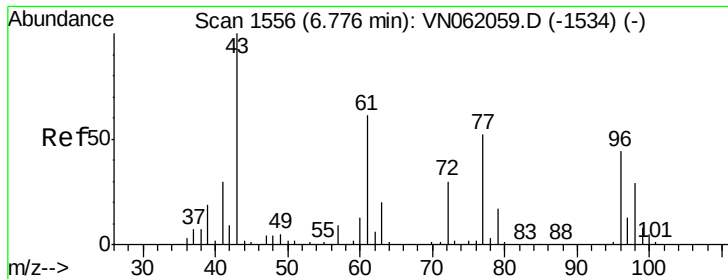
MMDadoda
7/1/2020 10:16:45 AM



#26
2,2-Dichloropropane
Concen: 18.697 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion: 77 Resp: 76727
Ion Ratio Lower Upper
77 100
97 22.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.006 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

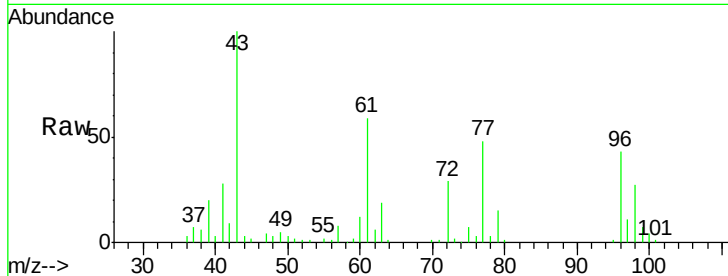
ClientSampleId :

VN0630MBS01

Tot Ion:	96	Resp:	60104
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	280.4
98	62.7	0.0	129.4

Manual Integrations
APPROVED

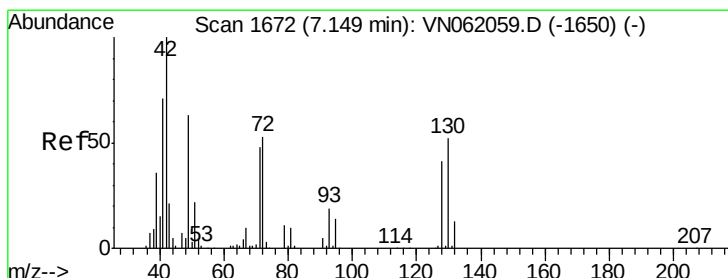
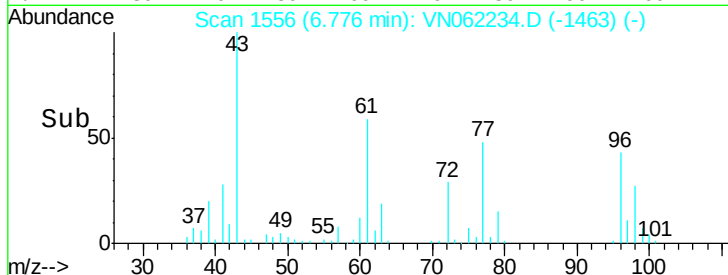
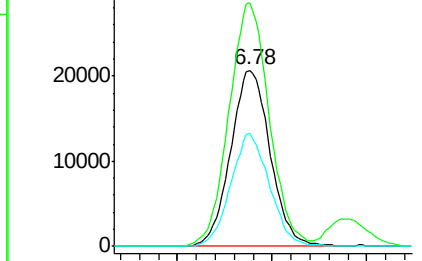
MMDadoda
7/1/2020 10:16:45 AM



Abundance Ion 95.90 (95.60 to 96.60): VN062059.D (-1534) (-)

Ion 60.90 (60.60 to 61.60): VN062059.D (-1534) (-)

Ion 97.90 (97.60 to 98.60): VN062059.D (-1534) (-)



#28

Bromochloromethane

Concen: 18.997 ug/l

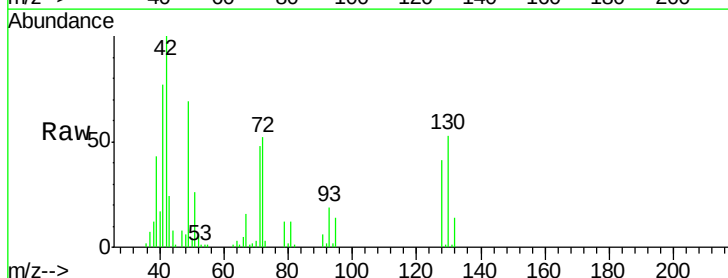
RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

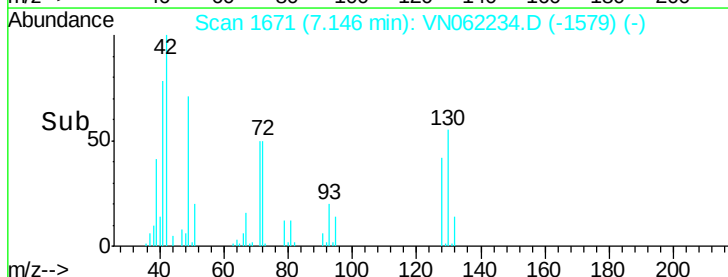
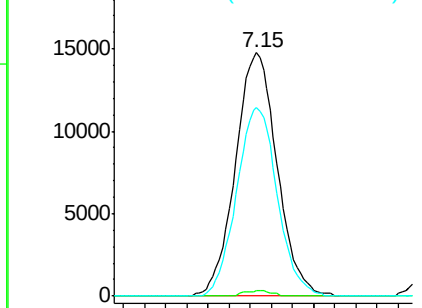
Tgt Ion:	49	Resp:	40590
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.4
130	75.6	65.5	98.3

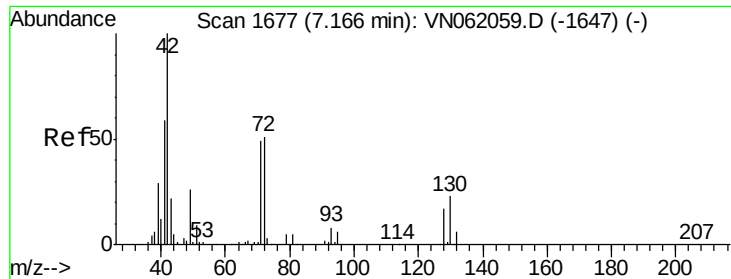


Abundance Ion 48.90 (48.60 to 49.60): VN062059.D (-1650) (-)

Ion 128.80 (128.50 to 129.50): VN062059.D (-1650) (-)

Ion 129.80 (129.50 to 130.50): VN062059.D (-1650) (-)





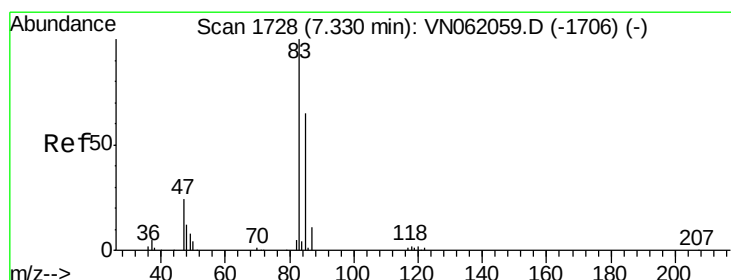
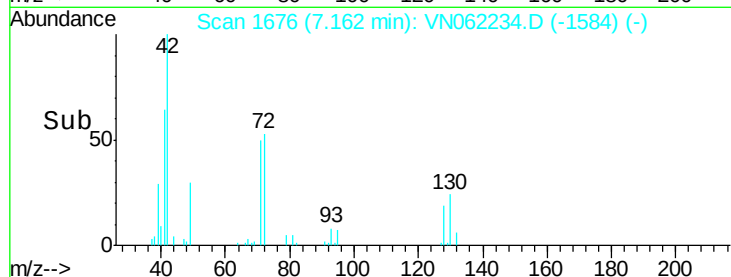
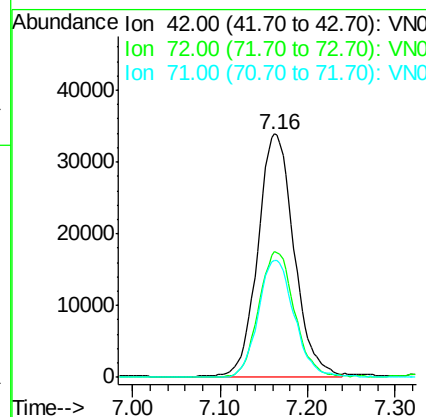
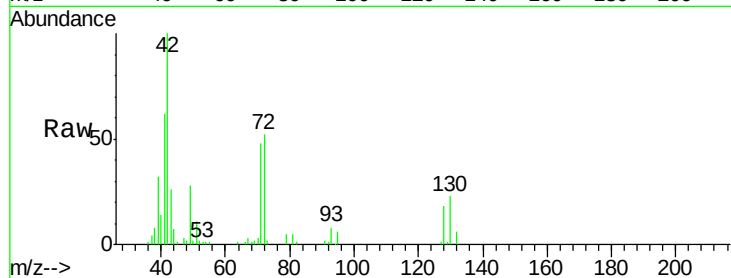
#29
Tetrahydrofuran
Concen: 101.352 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	41.1	61.7
71	47.4	38.2	57.4

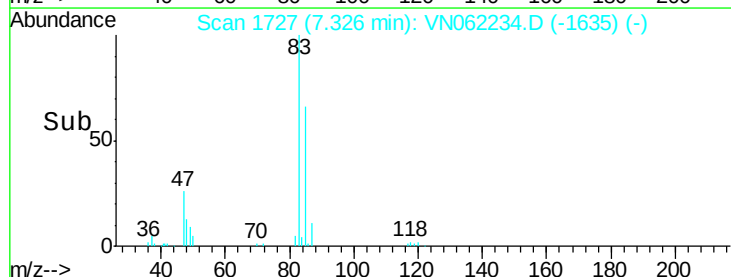
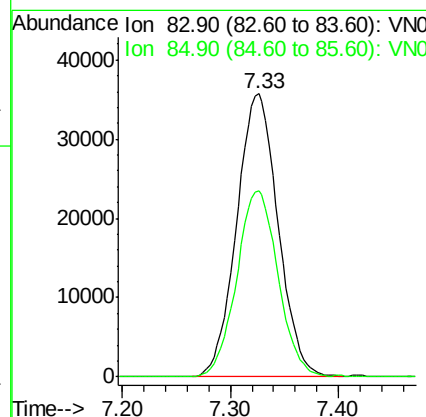
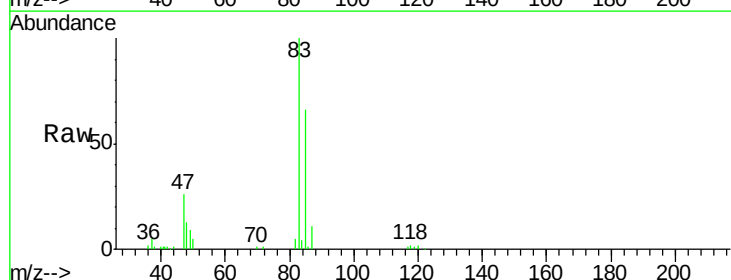
Manual Integrations
APPROVED

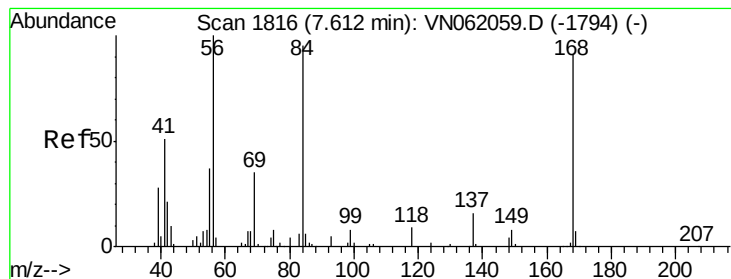
MMDadoda
7/1/2020 10:16:45 AM



#30
Chloroform
Concen: 19.032 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5





#31

Cyclohexane

Concen: 18.600 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

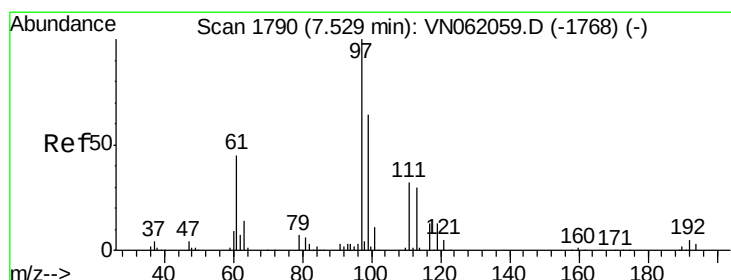
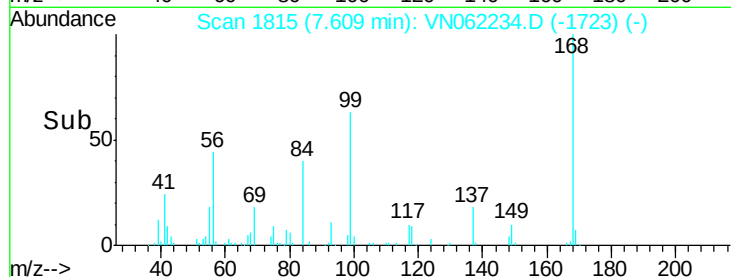
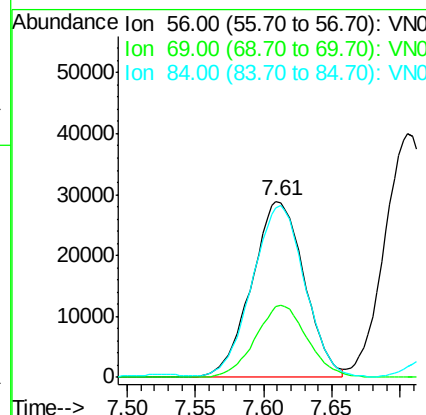
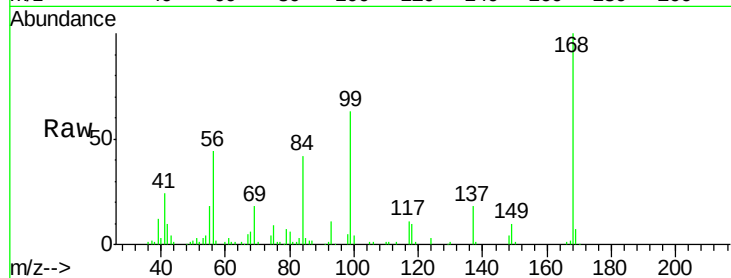
ClientSampled :

VN0630MBS01

Tot Ion:	56	Resp:	77480
Ion	Ratio	Lower	Upper
56	100		
69	40.1	28.0	42.0
84	95.2	76.1	114.1

Manual Integrations
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MMDadoda
7/1/2020 10:16:45 AM



#32

1,1,1-Trichloroethane

Concen: 18.824 ug/l

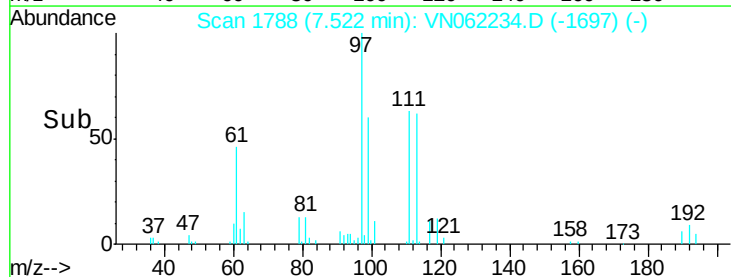
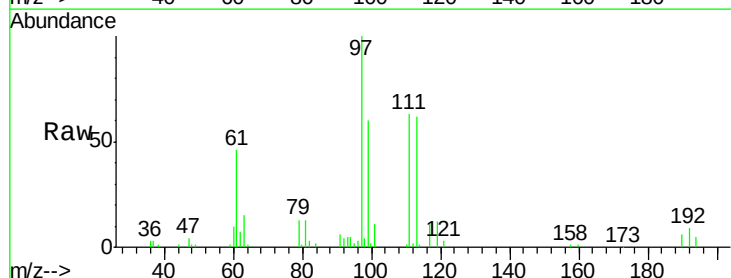
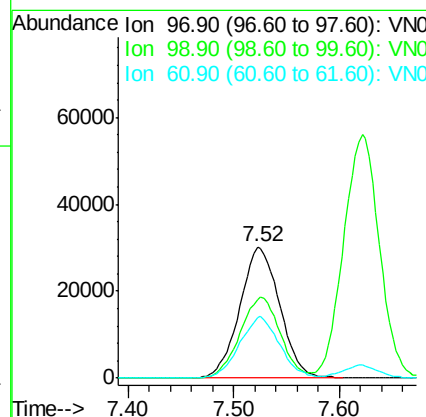
RT: 7.52 min Scan# 1788

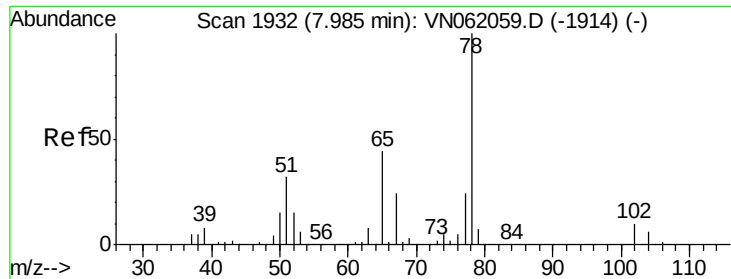
Delta R.T. -0.01 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Tgt Ion:	97	Resp:	79541
Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.4
61	46.6	36.2	54.2





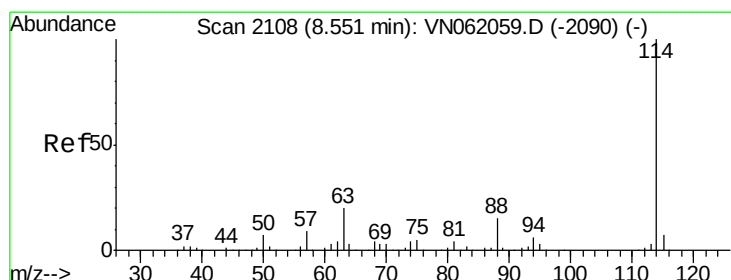
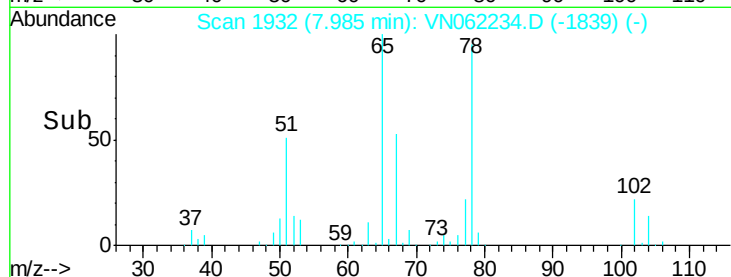
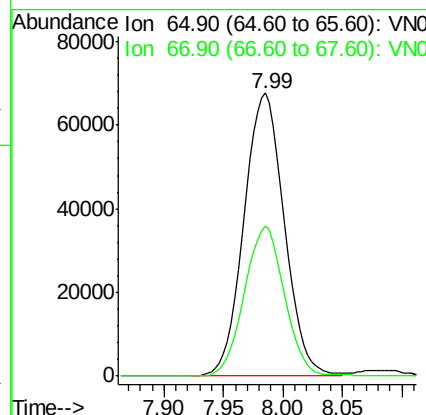
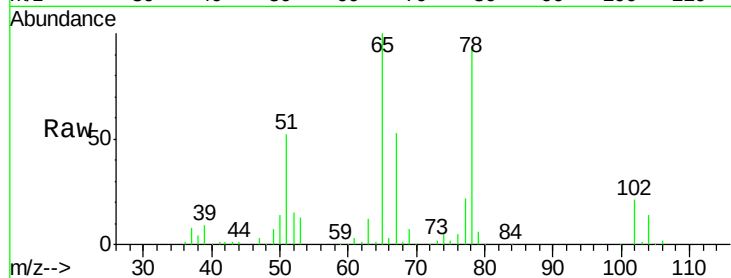
#33
 1,2-Dichloroethane-d4
 Concen: 52.671 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	106.2	

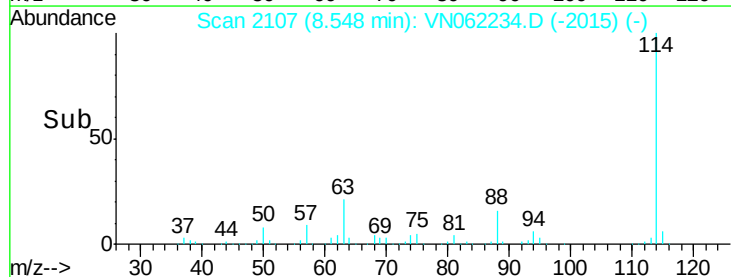
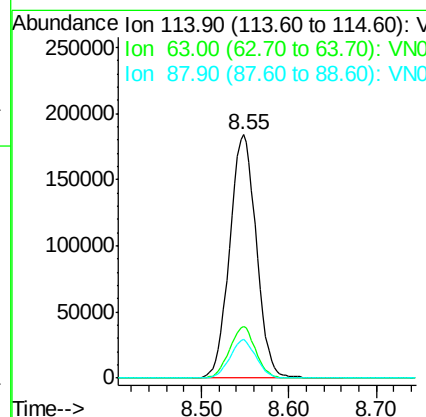
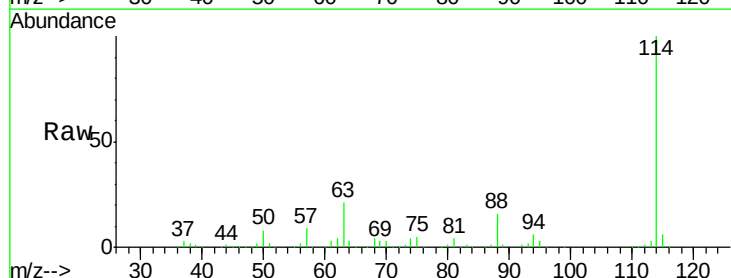
Manual Integrations
 APPROVED

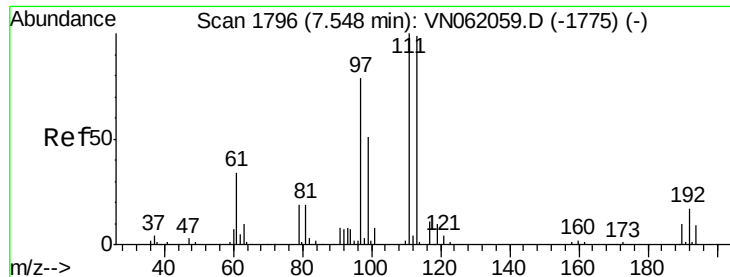
MMDadoda
 7/1/2020 10:16:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	39.2	
88	15.8	0.0	30.8	





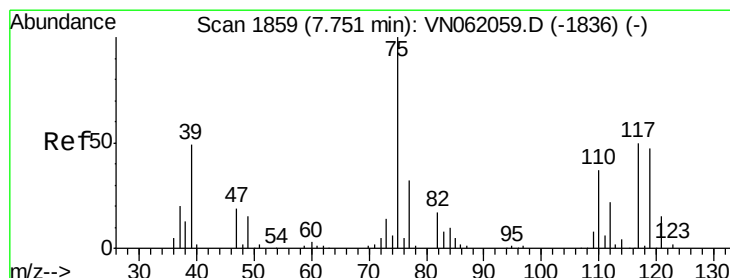
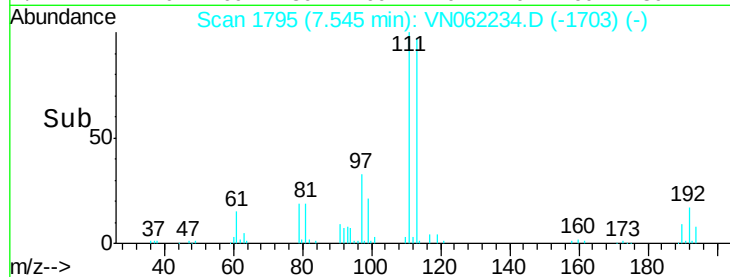
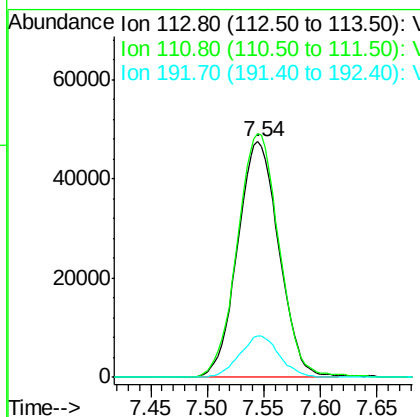
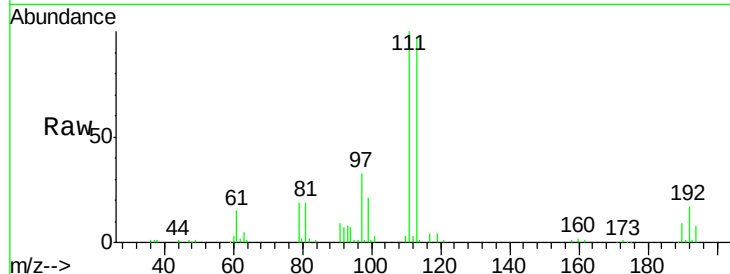
#35
 Dibromofluoromethane
 Concen: 48.477 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.8	82.2	123.4	
192	16.8	14.0	21.0	

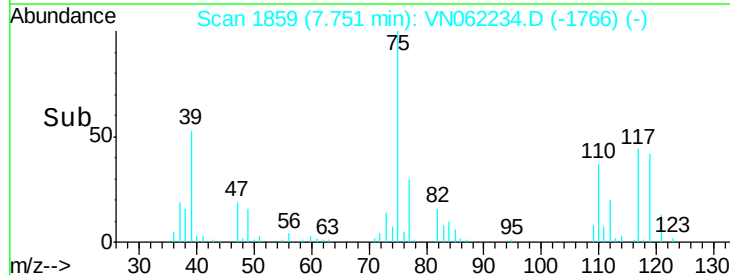
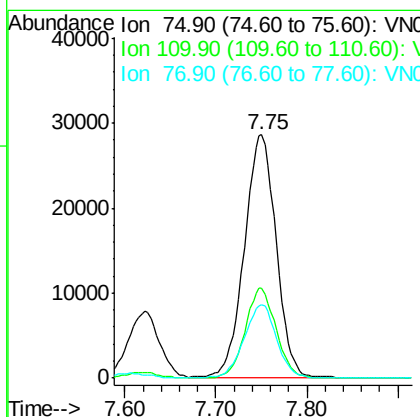
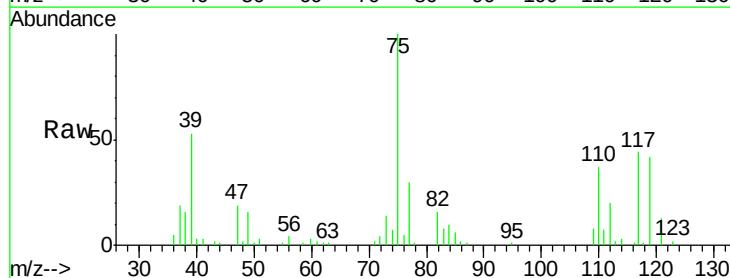
Manual Integrations
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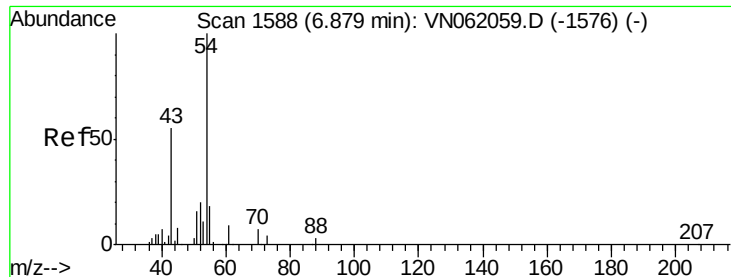
MMDadoda
 7/1/2020 10:16:45 AM



#36
 1,1-Dichloropropene
 Concen: 17.852 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.5	17.9	53.8	
77	30.7	24.9	37.3	





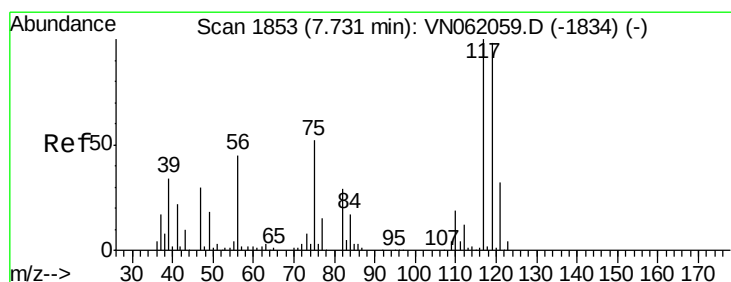
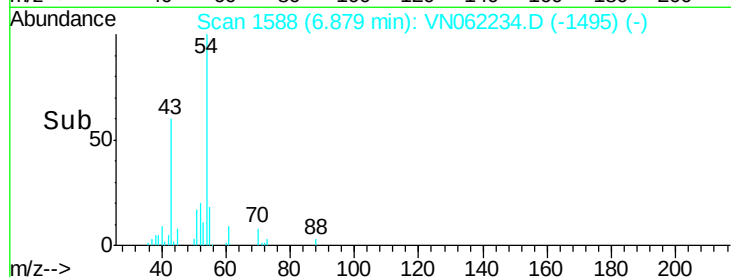
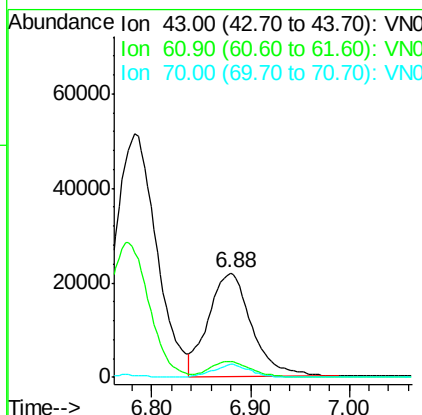
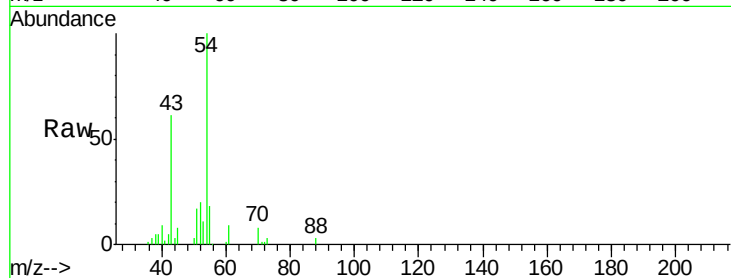
#37
Ethyl Acetate
Concen: 20.595 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.4	9.6	14.4

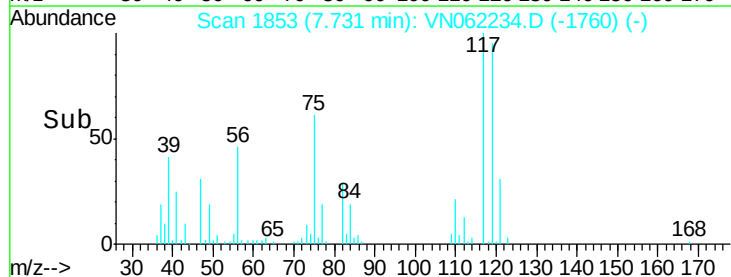
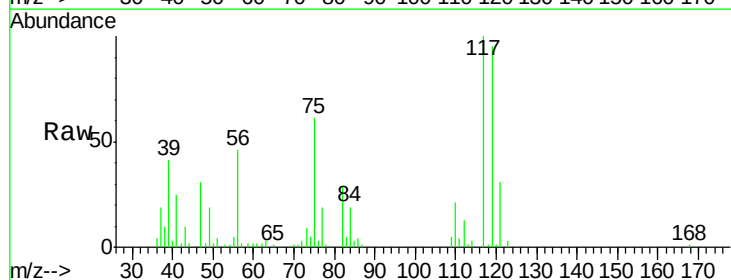
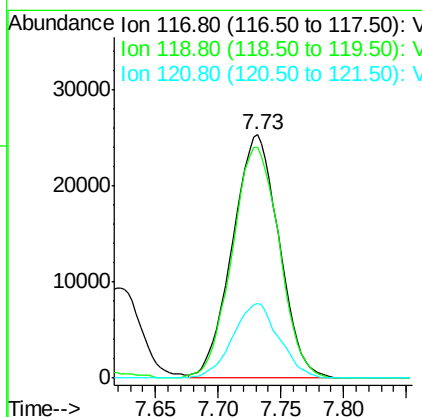
Manual Integrations
APPROVED

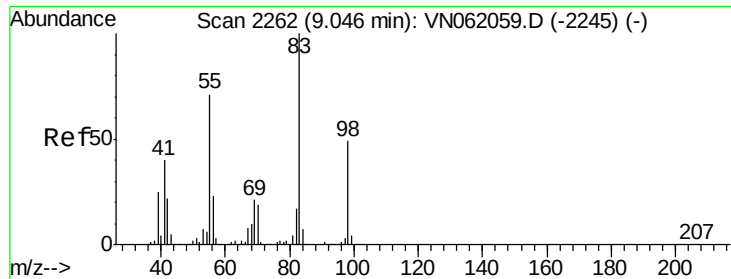
MMDadoda
7/1/2020 10:16:45 AM



#38
Carbon Tetrachloride
Concen: 17.808 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.2	117.2
121	30.9	25.8	38.6





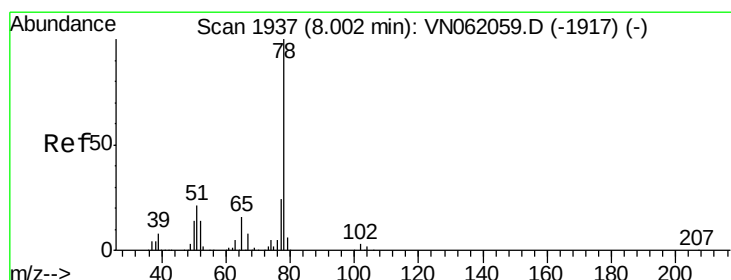
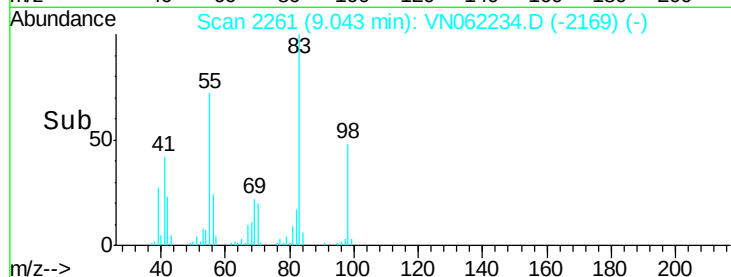
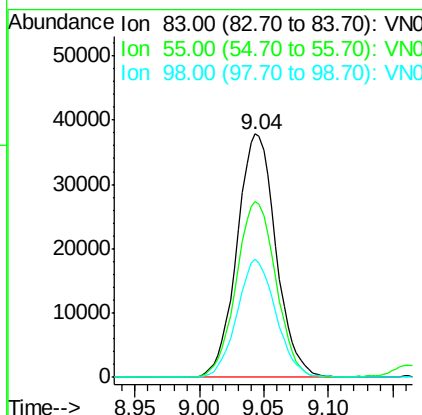
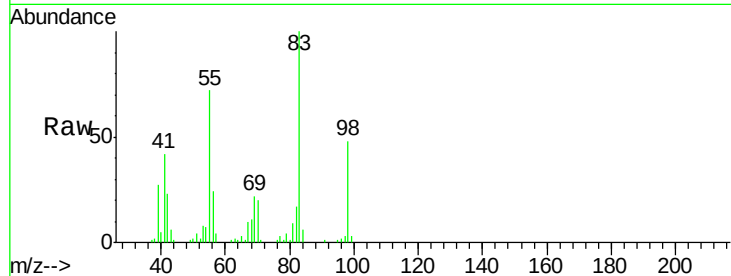
#39
Methylvlcyclohexane
Concen: 18.583 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	57.0	85.6
98	48.4	39.0	58.6

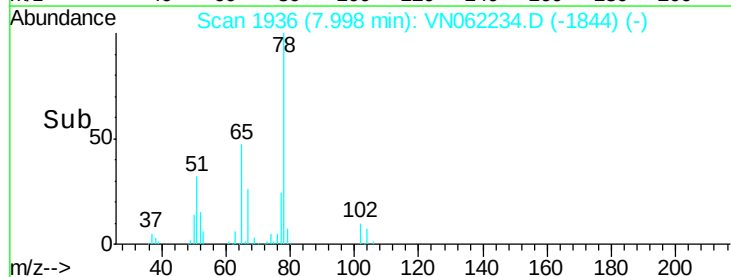
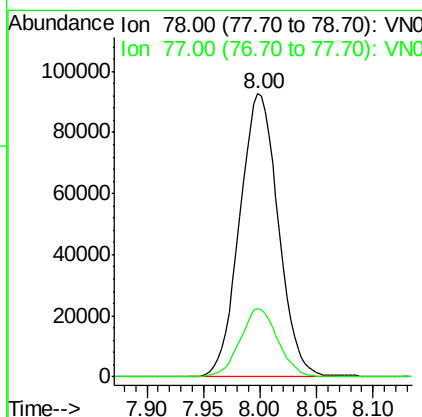
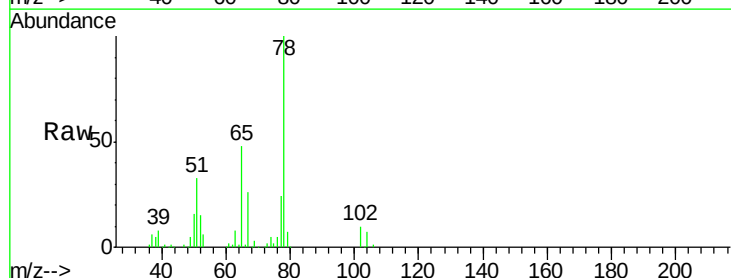
Manual Integrations
APPROVED

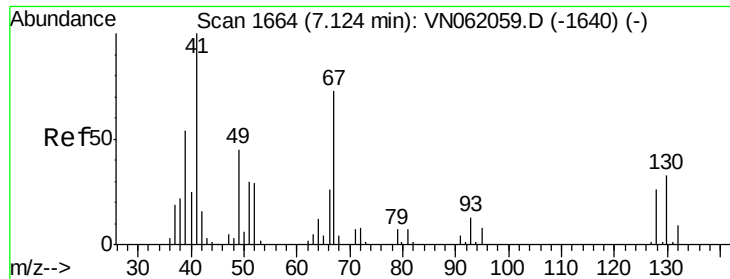
MMDadoda
7/1/2020 10:16:45 AM



#40
Benzene
Concen: 18.504 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





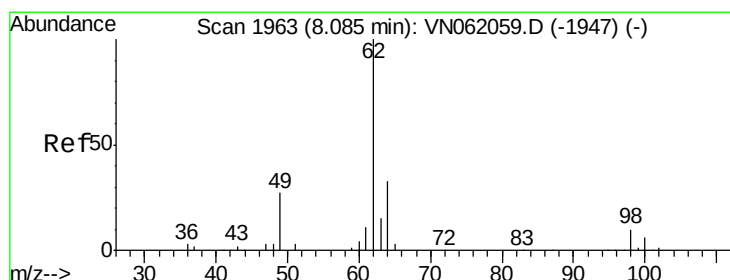
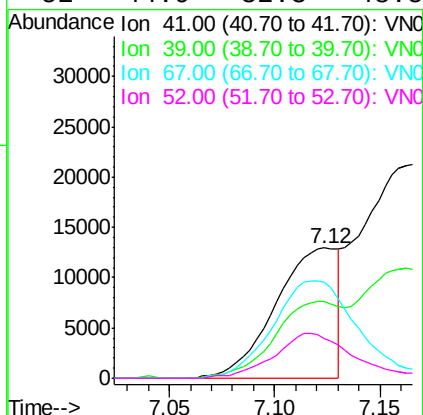
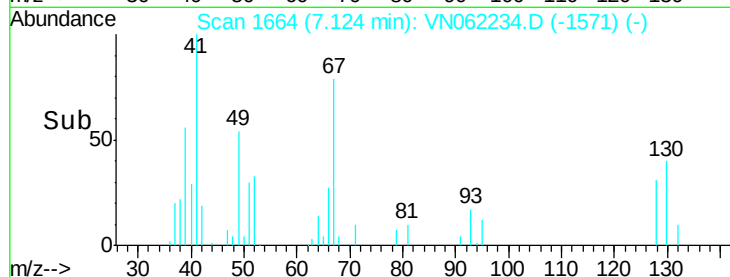
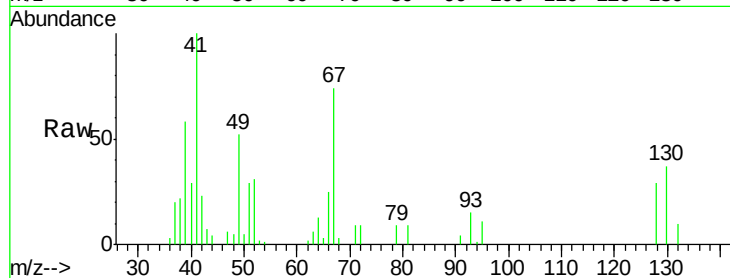
#41
Methacrylonitrile
Concen: 17.751 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion	41	Resp	26611
Ion	Ratio	Lower	Upper
41	100		
39	63.8	44.2	66.2
67	103.0	79.5	119.3
52	44.9	32.3	48.5

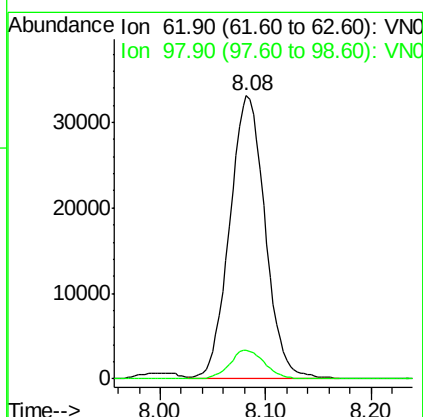
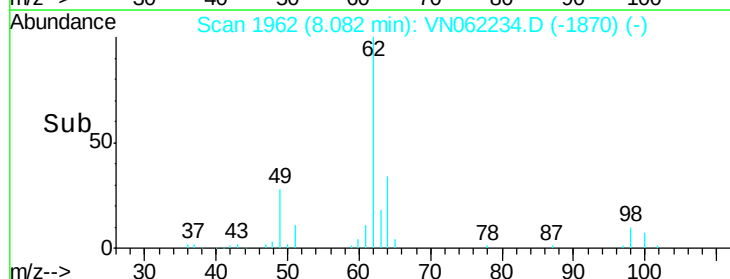
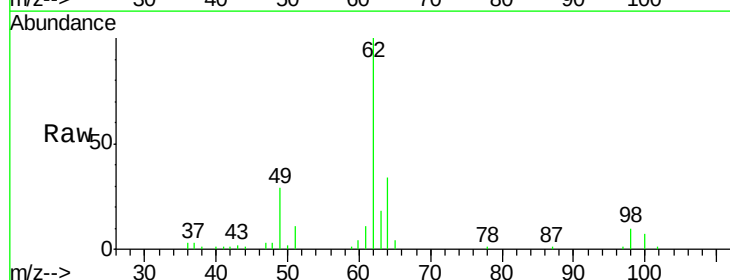
Manual Integrations
APPROVED

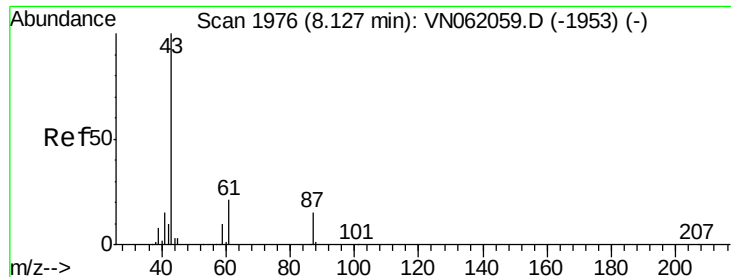
MMDadoda
7/1/2020 10:16:45 AM



#42
1,2-Dichloroethane
Concen: 19.253 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	62	Resp	77424
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





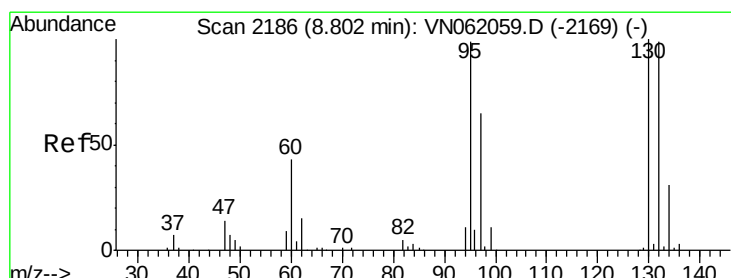
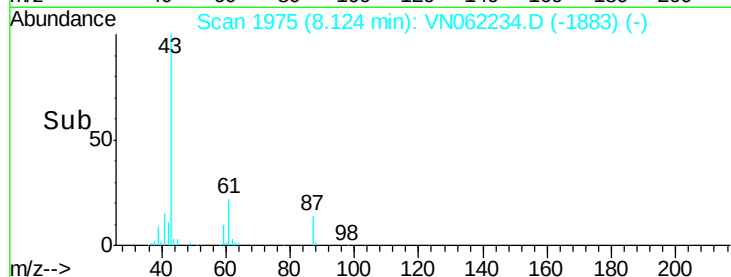
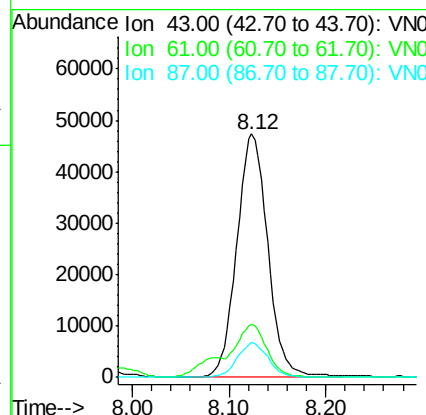
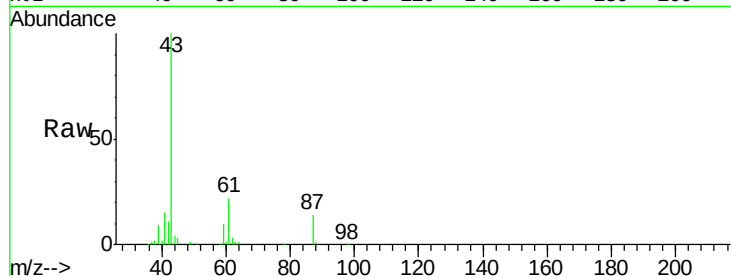
#43
Isopropyl Acetate
Concen: 20.071 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion	43	Resp	105801
Ion Ratio	100	Lower	Upper
43	100		
61	21.7	17.2	25.8
87	14.0	12.1	18.1

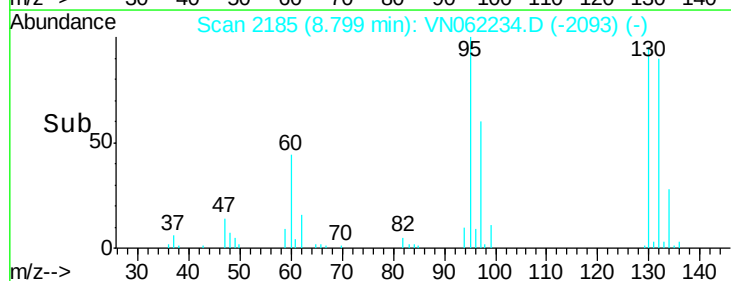
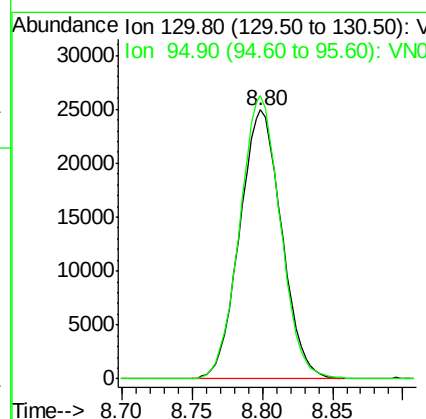
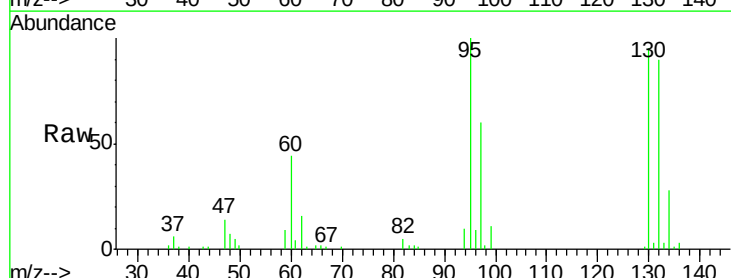
Manual Integrations
APPROVED

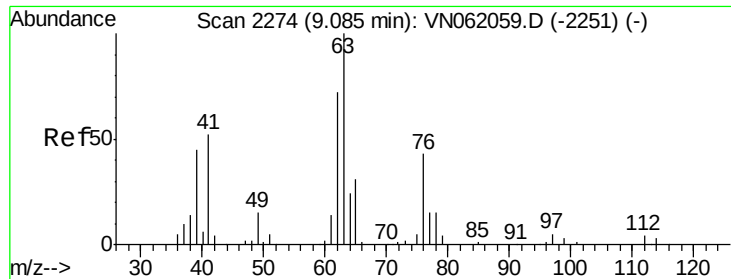
MMDadoda
7/1/2020 10:16:45 AM



#44
Trichloroethene
Concen: 17.293 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	130	Resp	51921
Ion Ratio	100	Lower	Upper
130	100		
95	105.3	0.0	197.8





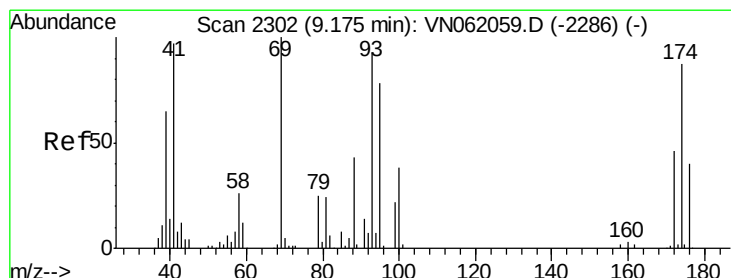
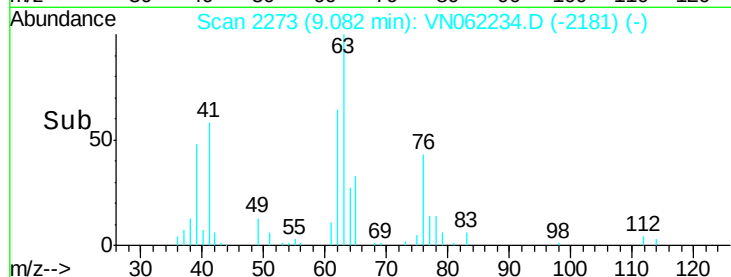
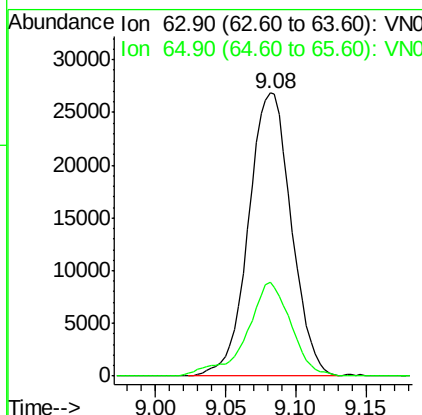
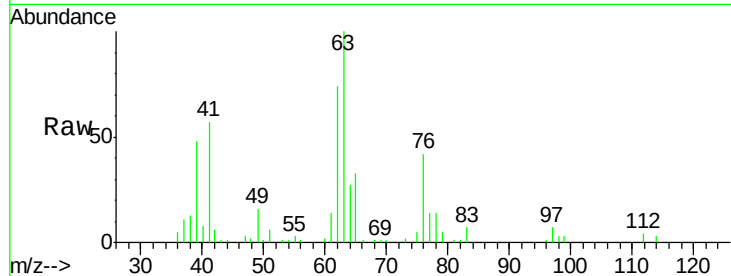
#45
 1,2-Dichloropropane
 Concen: 19.387 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630MBS01

Tot Ion: 63 Resp: 56929
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.0 37.4

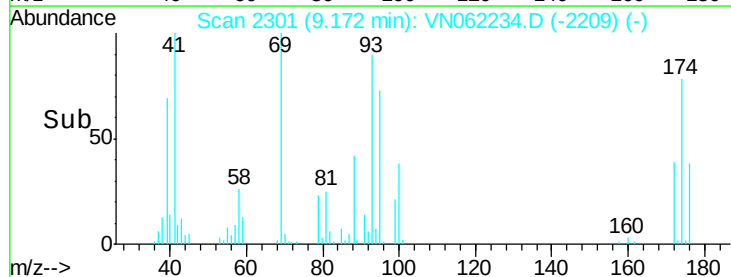
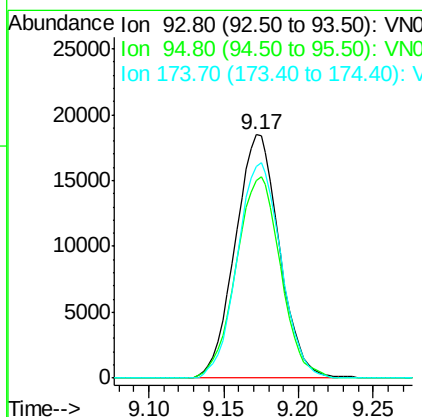
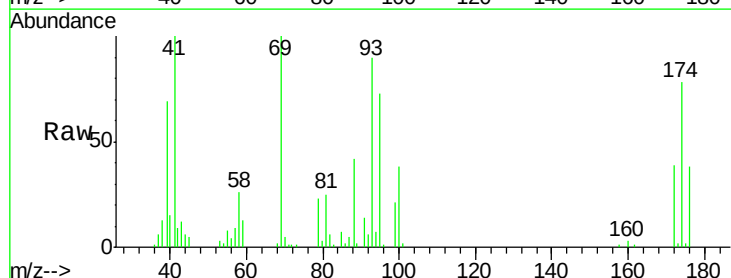
Manual Integrations
 APPROVED

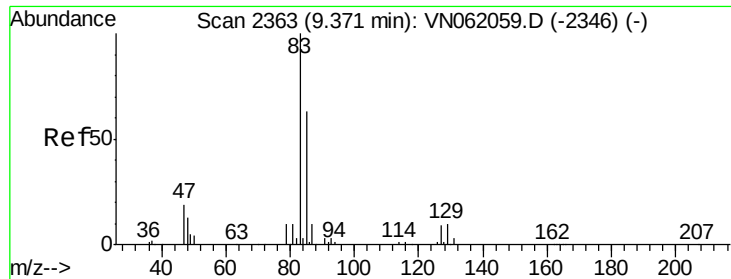
MMDadoda
 7/1/2020 10:16:45 AM



#46
 Dibromomethane
 Concen: 19.036 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion: 93 Resp: 37898
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 87.6 74.4 111.6





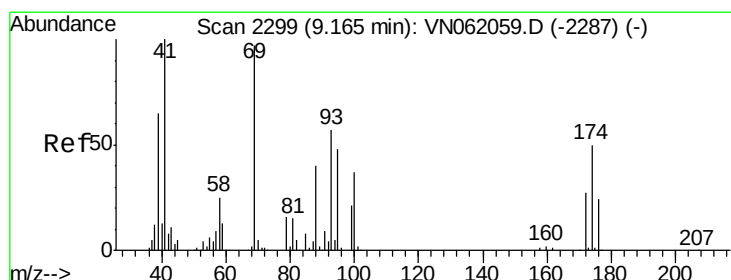
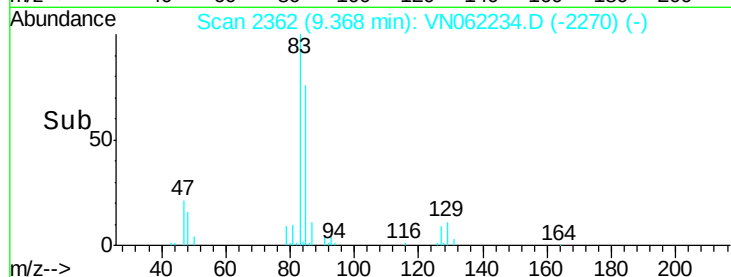
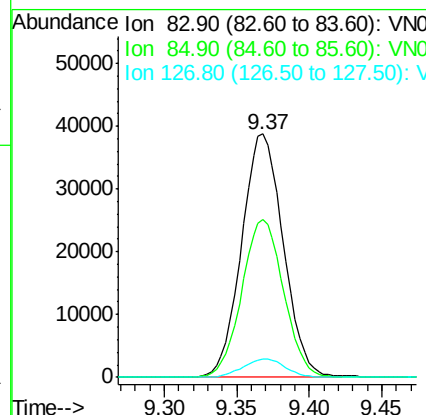
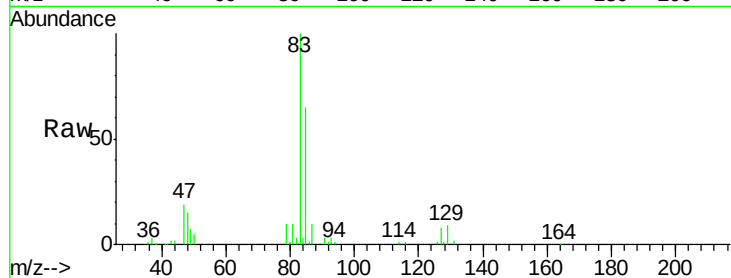
#47
Bromodichloromethane
Concen: 19.295 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

Tot Ion	83	Resp	77566
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.3	75.5
127	7.6	6.9	10.3

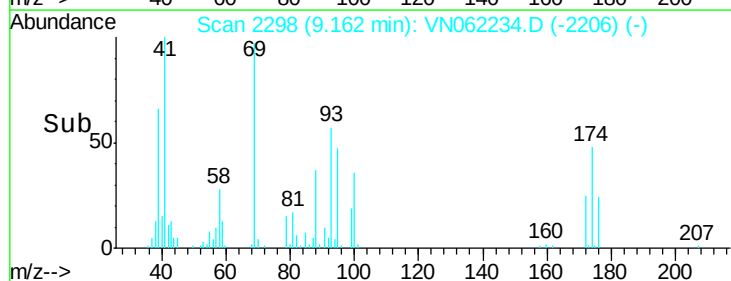
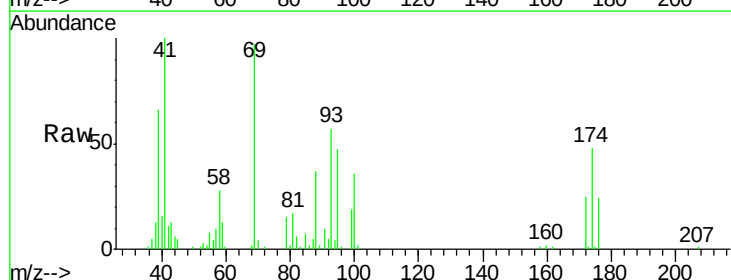
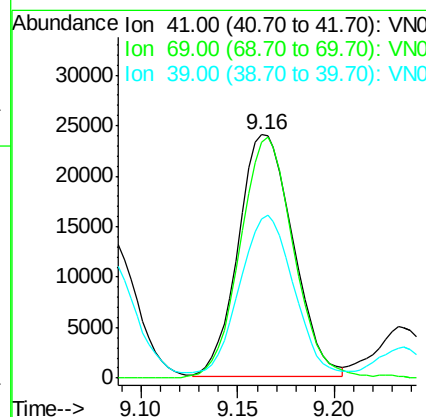
Manual Integrations
APPROVED

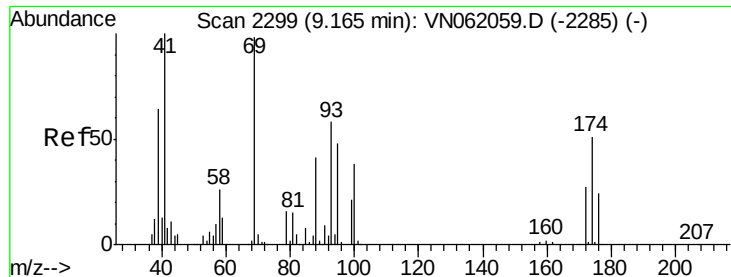
MMDadoda
7/1/2020 10:16:45 AM



#48
Methyl methacrylate
Concen: 19.972 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	41	Resp	47205
Ion Ratio	100	Lower	Upper
41	100		
69	96.9	80.7	121.1
39	67.9	54.5	81.7





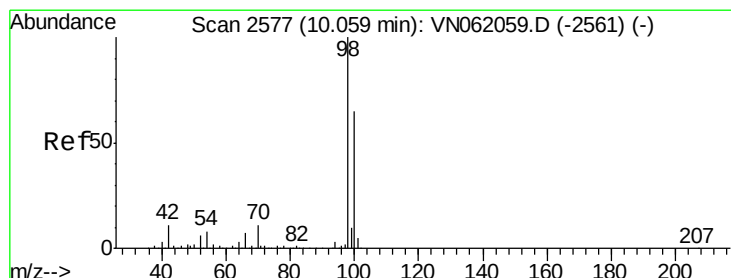
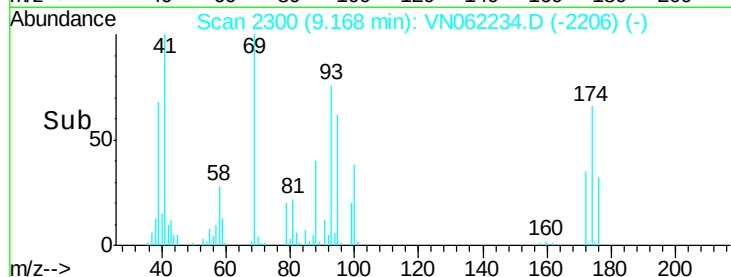
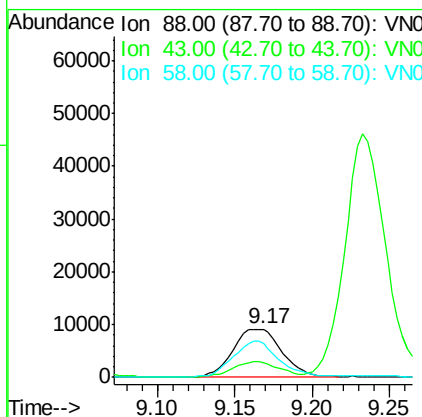
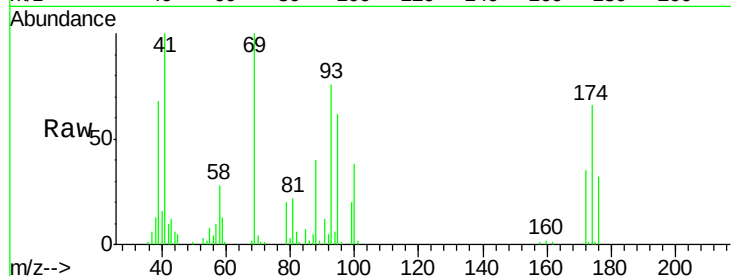
#49
1,4-Dioxane
Concen: 386.557 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	22.0	33.0
58	69.3	49.2	73.8

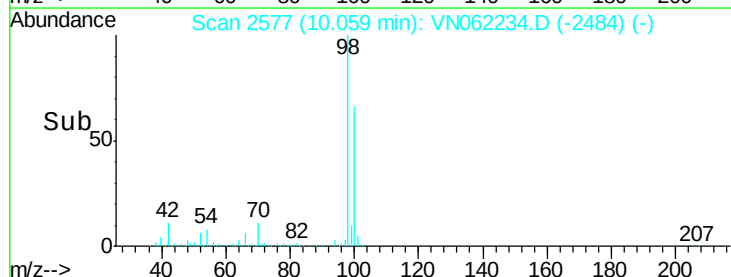
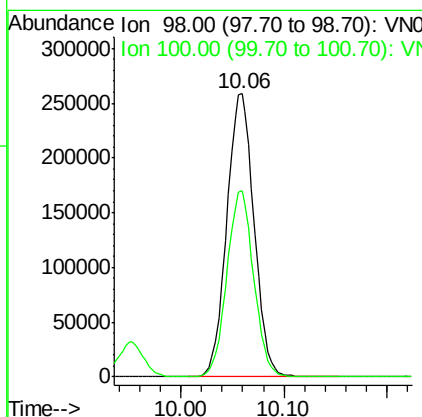
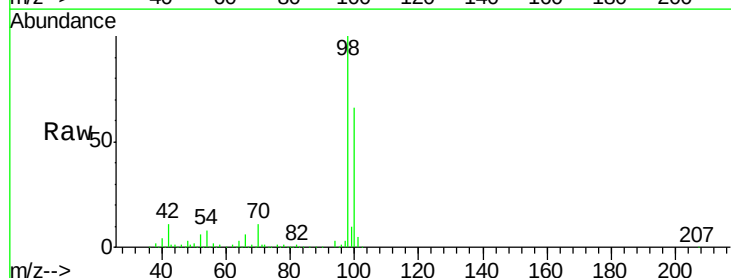
Manual Integrations
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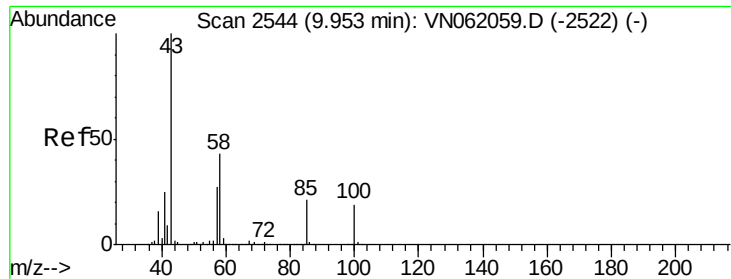
MMDadoda
7/1/2020 10:16:45 AM



#50
Toluene-d8
Concen: 47.892 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 101.559 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

VN0630MBS01

Tot Ion: 43 Resp: 312783

Ion Ratio Lower Upper

43 100

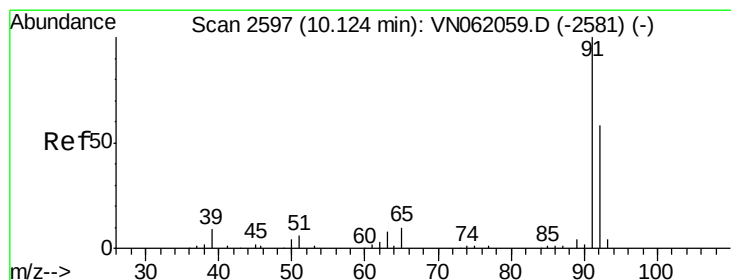
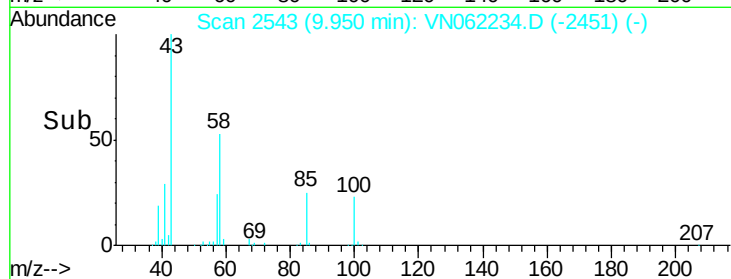
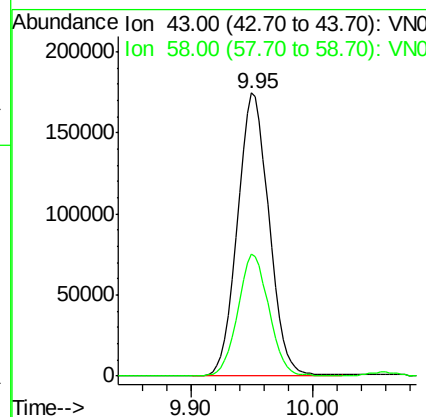
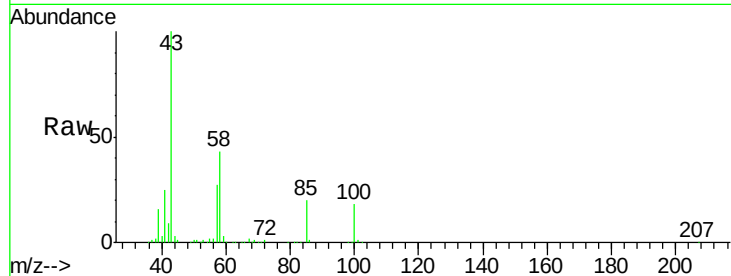
58 42.4 34.2 51.2

Manual Integrations

APPROVED

MMDadoda

7/1/2020 10:16:45 AM



#52

Toluene

Concen: 18.708 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062234.D

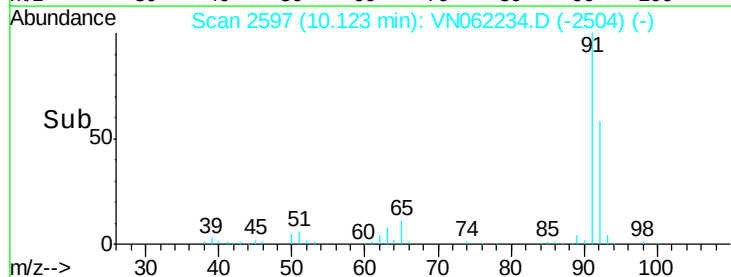
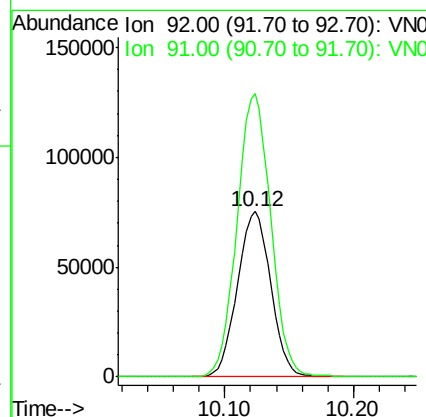
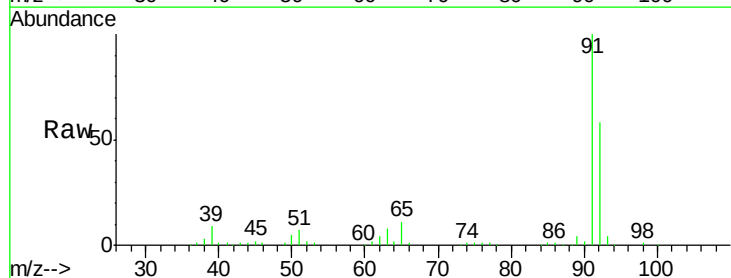
Acq: 30 Jun 2020 13:01

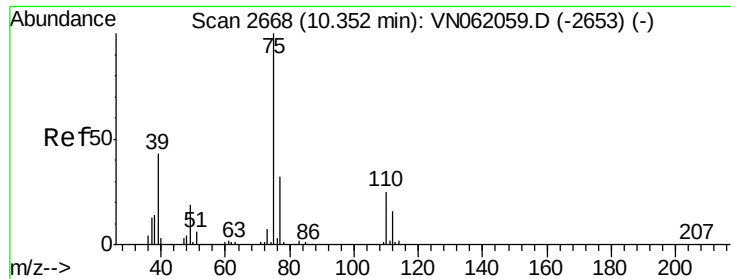
Tgt Ion: 92 Resp: 135867

Ion Ratio Lower Upper

92 100

91 173.2 137.4 206.0





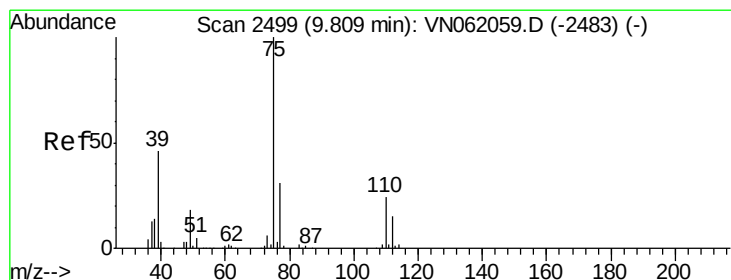
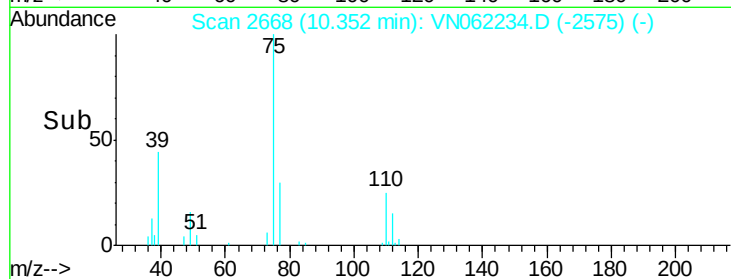
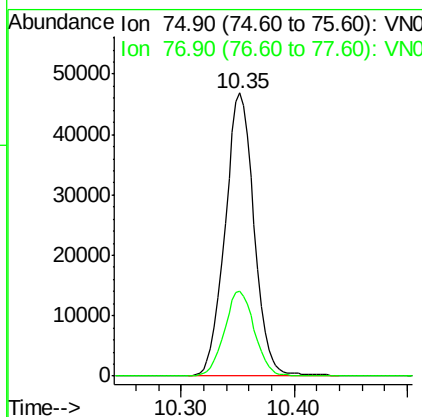
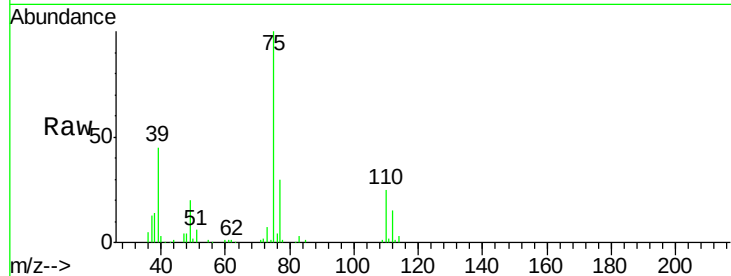
#53
t-1,3-Dichloropropene
Concen: 18.912 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.5	38.3

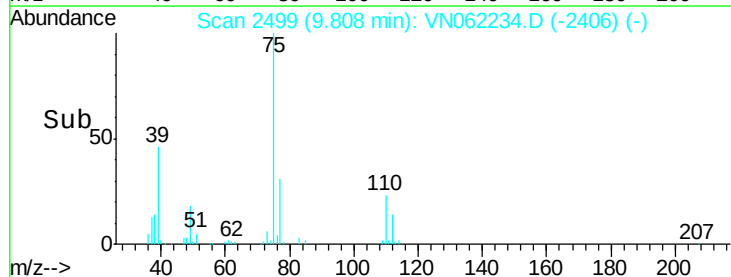
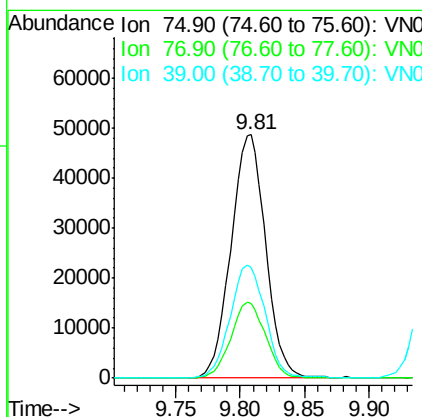
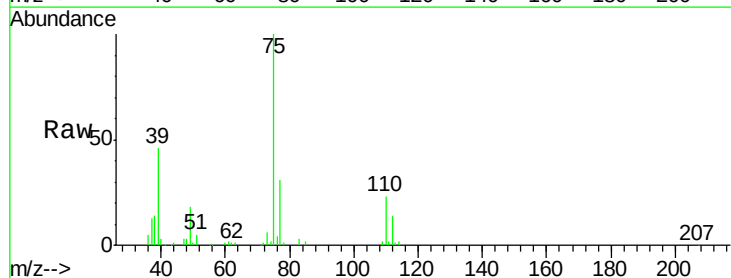
Manual Integrations
APPROVED

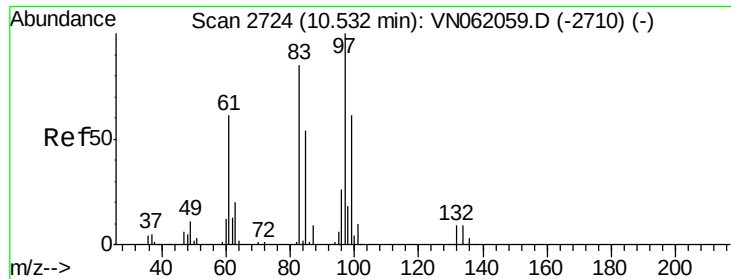
MMDadoda
7/1/2020 10:16:45 AM



#54
cis-1,3-Dichloropropene
Concen: 19.293 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6
39	45.6	36.9	55.3





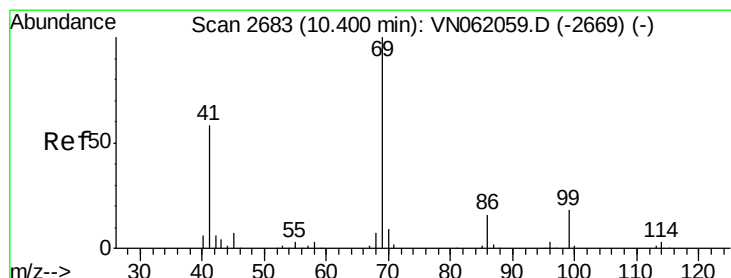
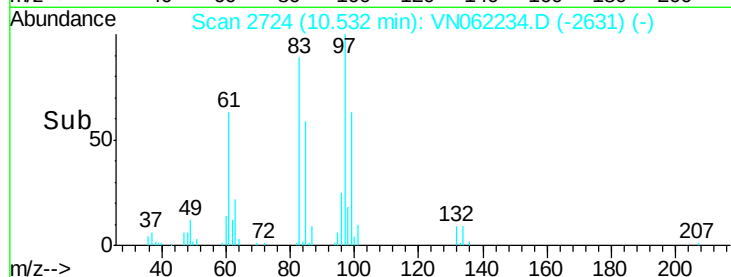
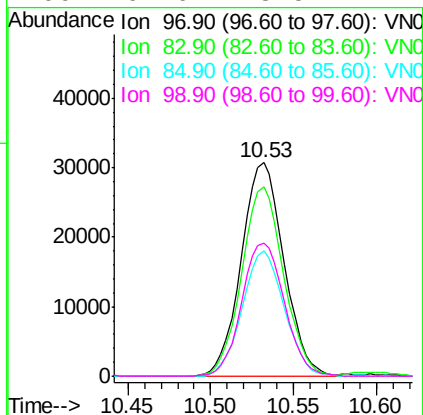
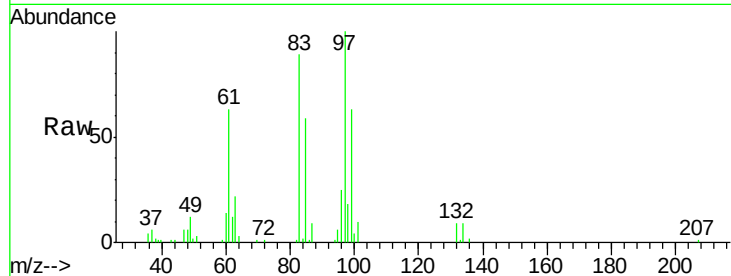
#55
 1,1,2-Trichloroethane
 Concen: 19.260 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.2	102.2
85	58.6	43.2	64.8
99	62.6	48.5	72.7

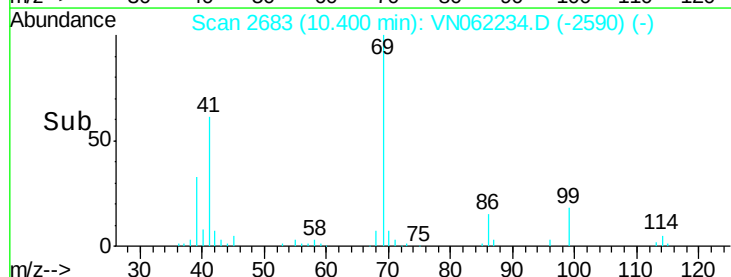
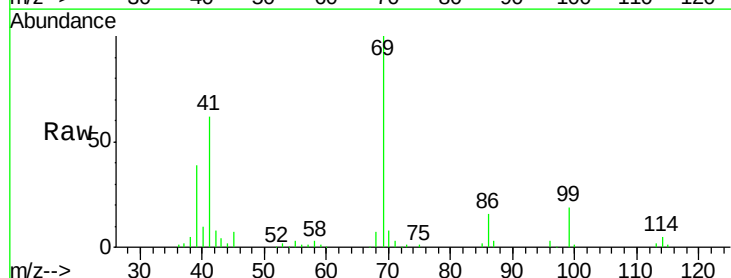
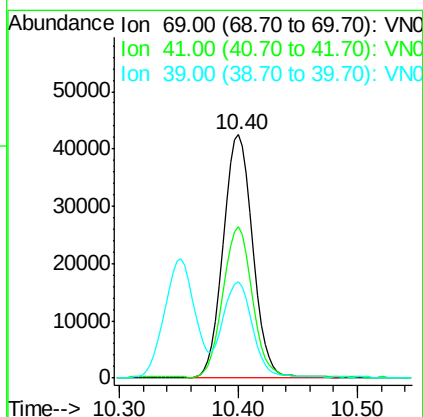
Manual Integrations
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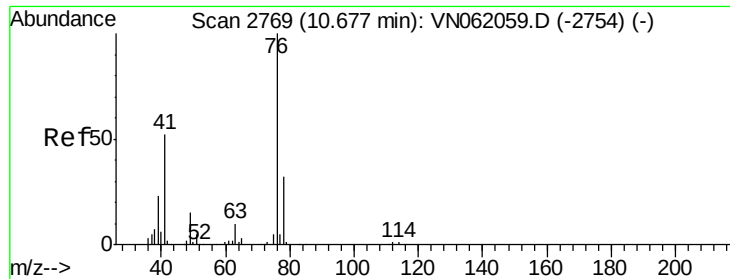
MMDadoda
 7/1/2020 10:16:45 AM



#56
 Ethyl methacrylate
 Concen: 19.288 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.3	46.6	70.0
39	38.3	31.0	46.4





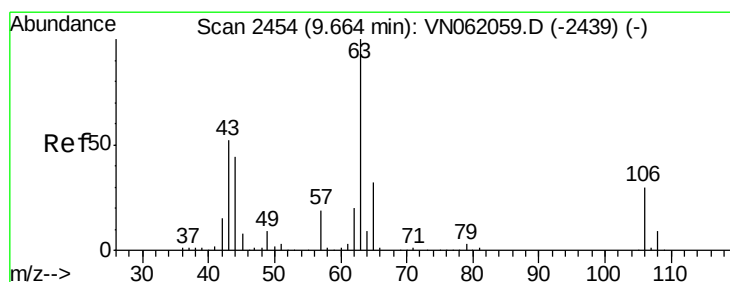
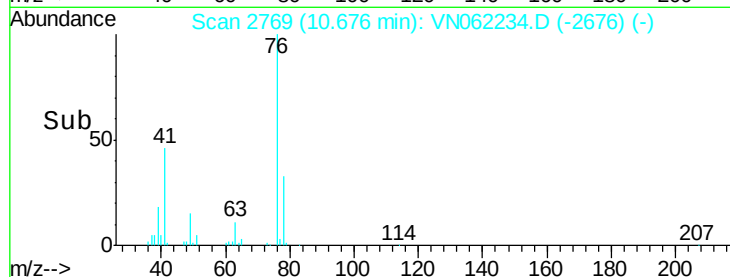
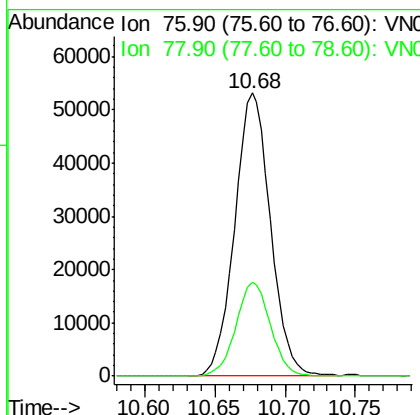
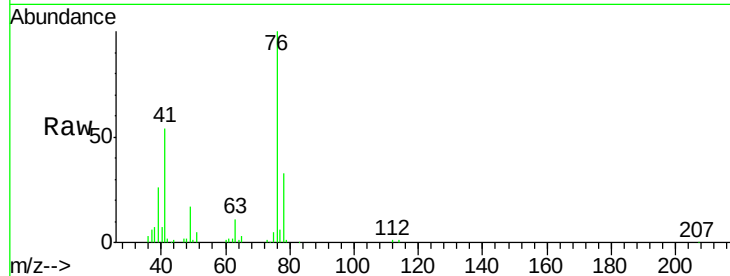
#57
 1,3-Dichloropropane
 Concen: 19.251 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630MBS01

Tot Ion: 76 Resp: 94595
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

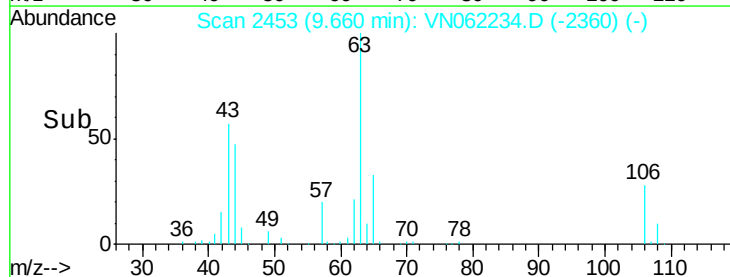
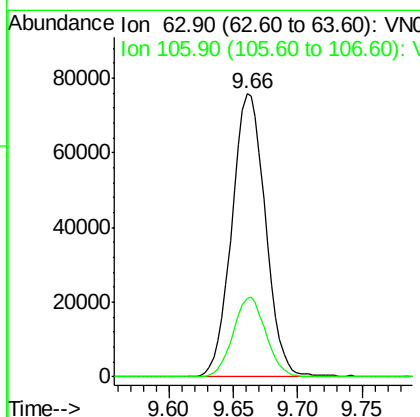
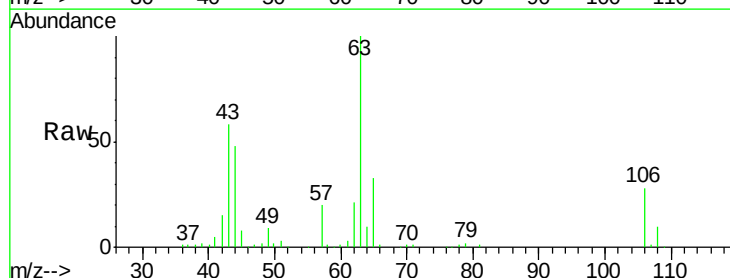
Manual Integrations
 APPROVED

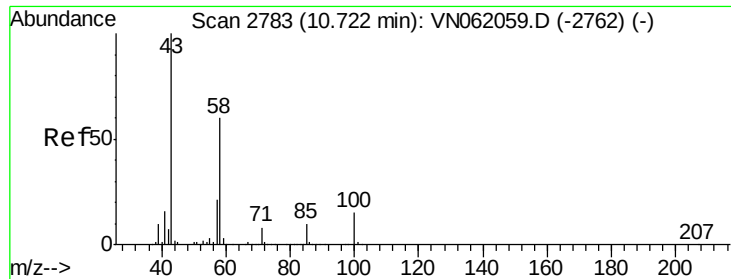
MMDadoda
 7/1/2020 10:16:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.391 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion: 63 Resp: 137463
 Ion Ratio Lower Upper
 63 100
 106 27.4 23.2 34.8





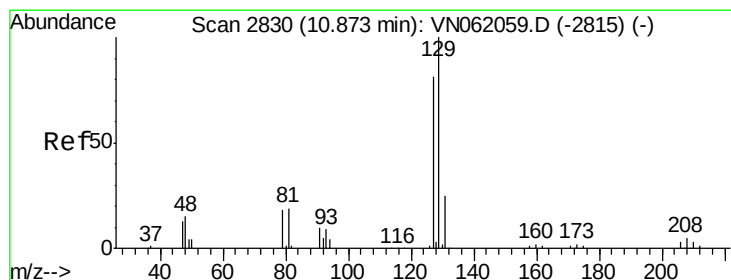
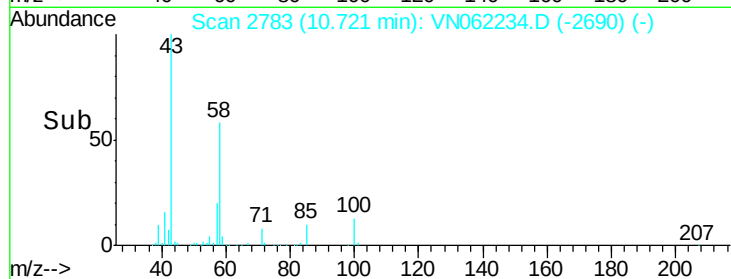
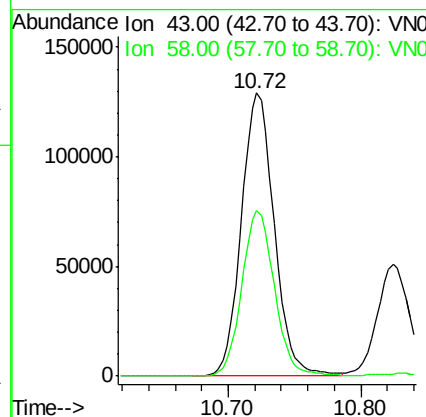
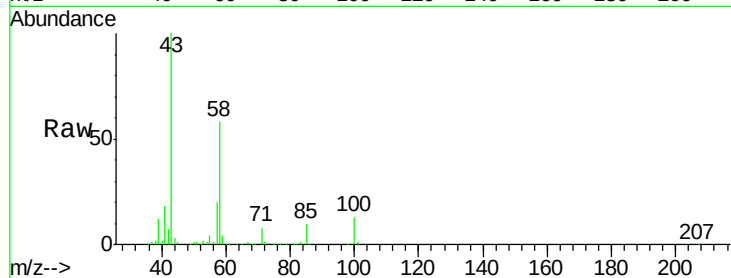
#59
2-Hexanone
Concen: 100.149 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion	43	Resp	222725
Ion Ratio	100	Lower	Upper
43	100		
58	58.1	29.5	88.5

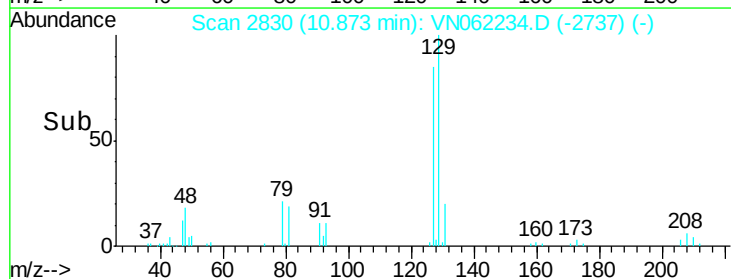
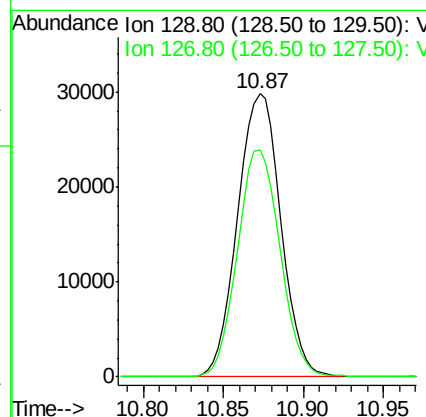
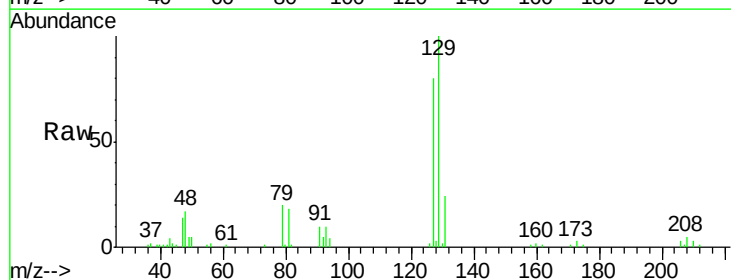
Manual Integrations
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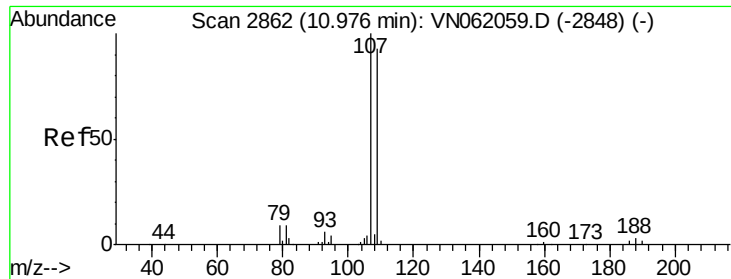
MMDadoda
7/1/2020 10:16:45 AM



#60
Dibromochloromethane
Concen: 18.193 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	129	Resp	54985
Ion Ratio	100	Lower	Upper
129	100		
127	79.0	39.5	118.5





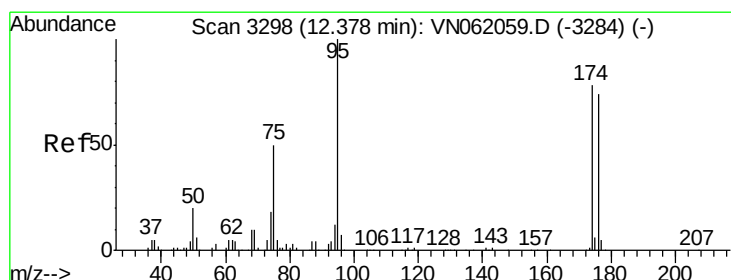
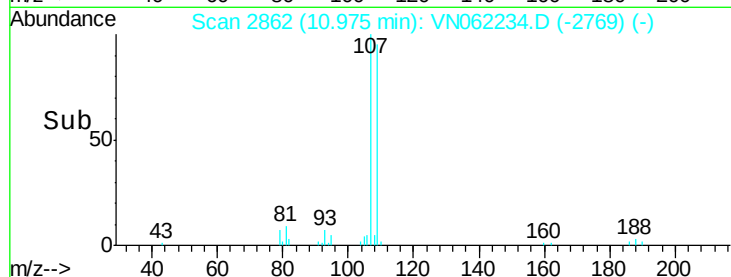
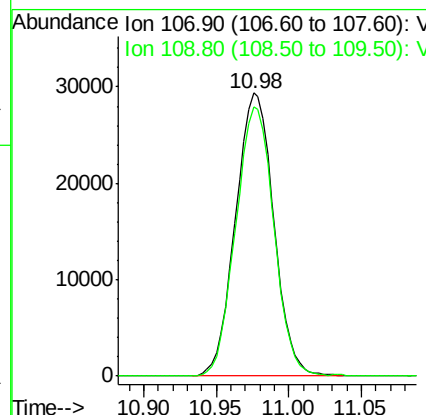
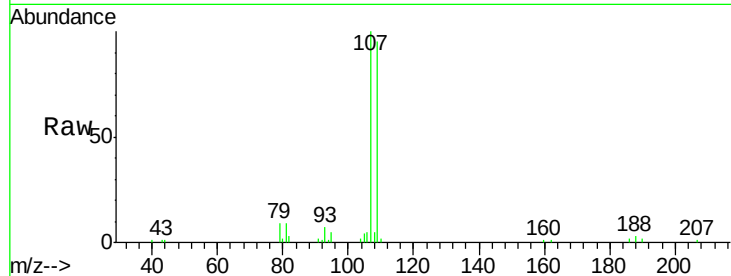
#61
 1,2-Dibromoethane
 Concen: 18.347 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.0	112.6

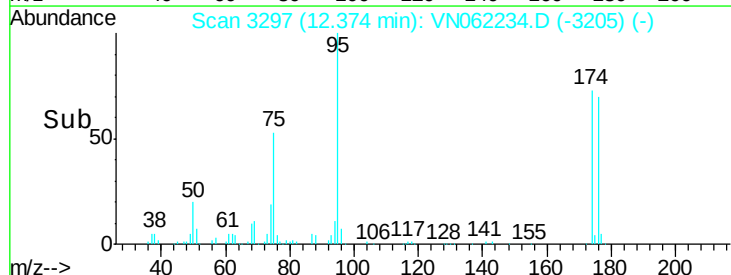
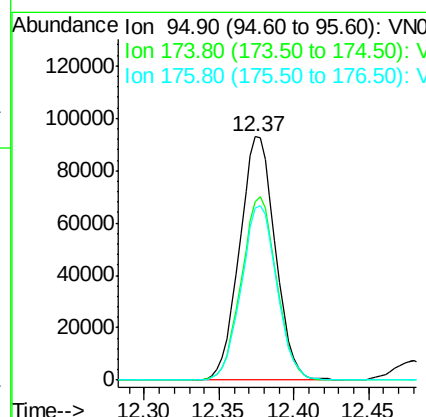
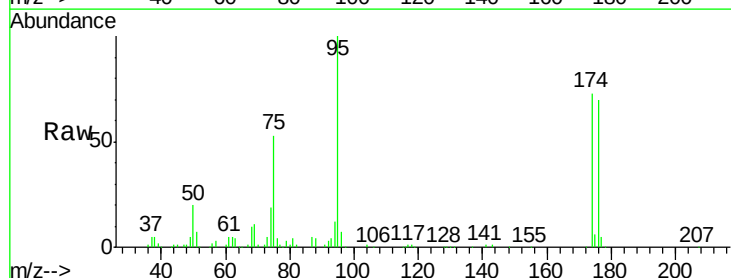
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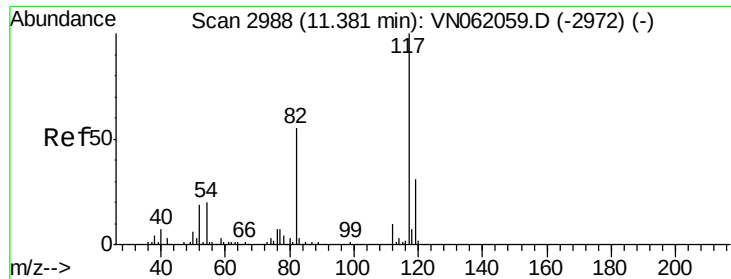
MMDadoda
 7/1/2020 10:16:45 AM



#62
 4-Bromofluorobenzene
 Concen: 45.889 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	154.8
176	71.4	0.0	147.4





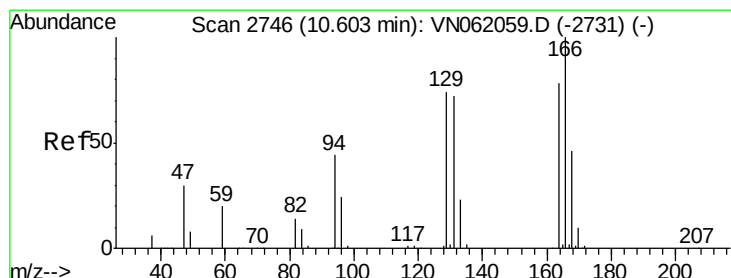
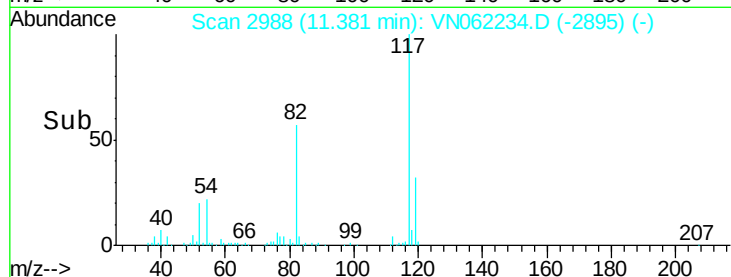
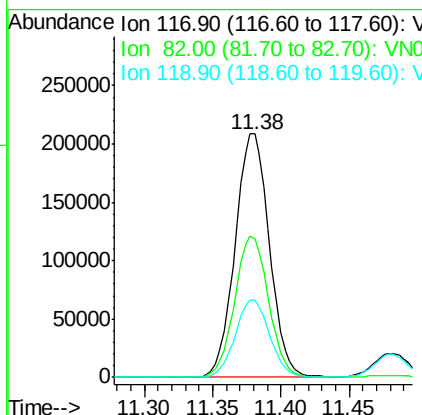
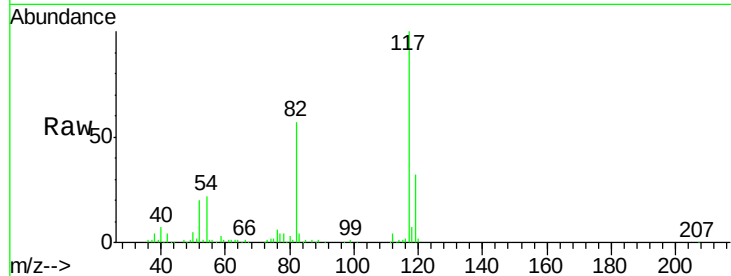
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	43.8	65.8
119	31.6	25.2	37.8

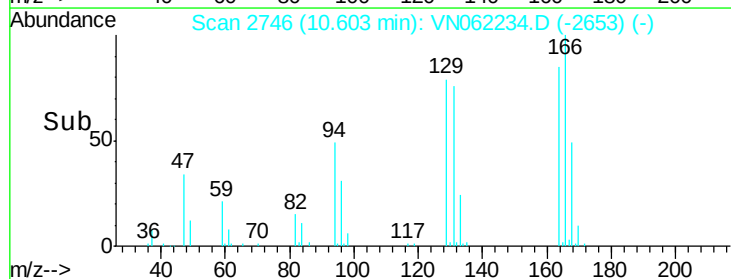
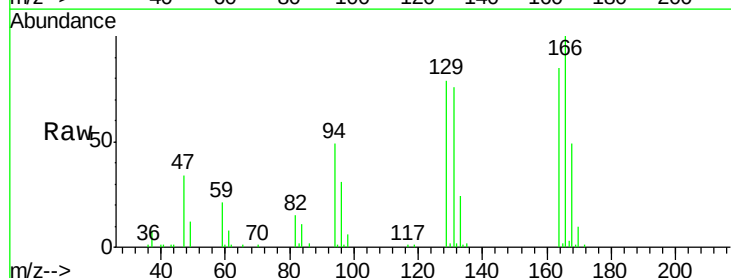
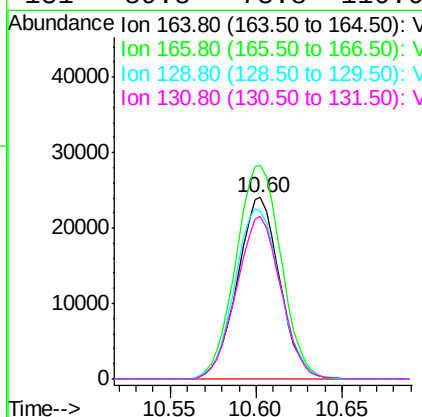
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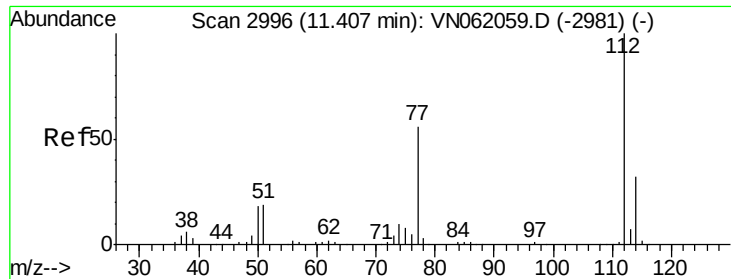
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#64
Tetrachloroethene
Concen: 16.503 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.6	102.9	154.3
129	92.4	75.8	113.8
131	89.8	73.8	110.6





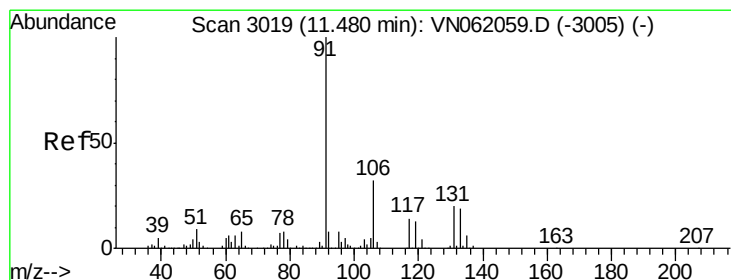
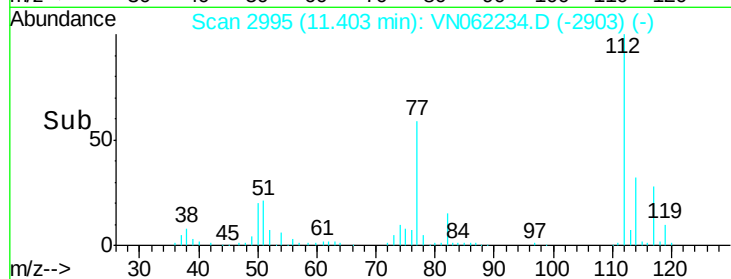
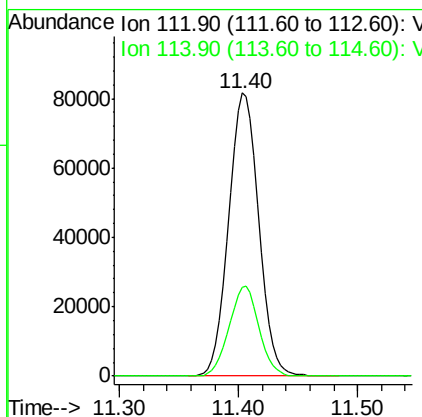
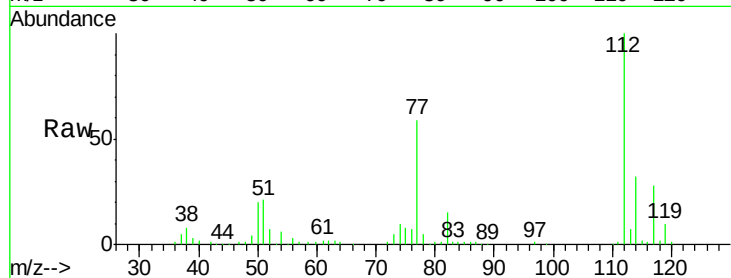
#65
Chlorobenzene
Concen: 17.926 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion:112 Resp: 143231
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8

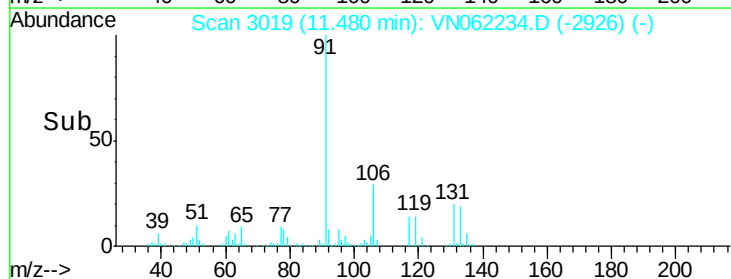
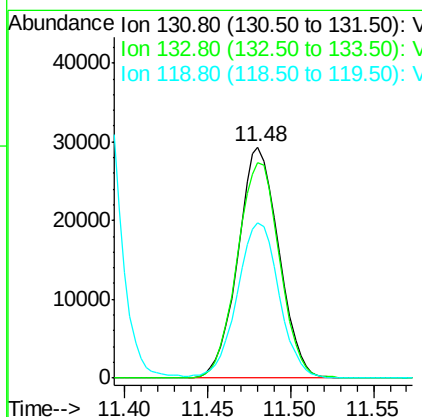
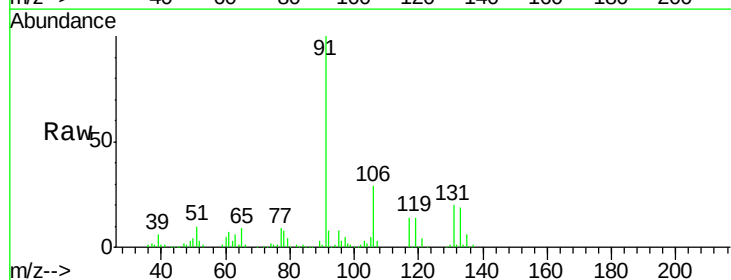
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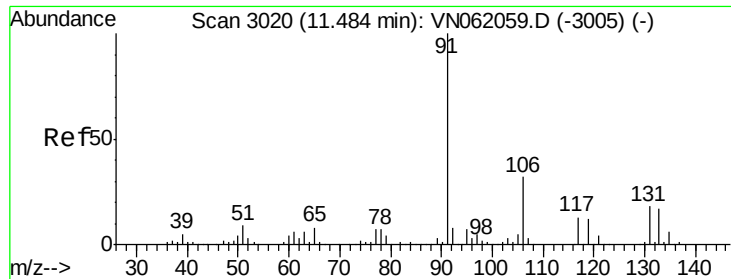
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.205 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion:131 Resp: 50298
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 68.9 34.4 103.3





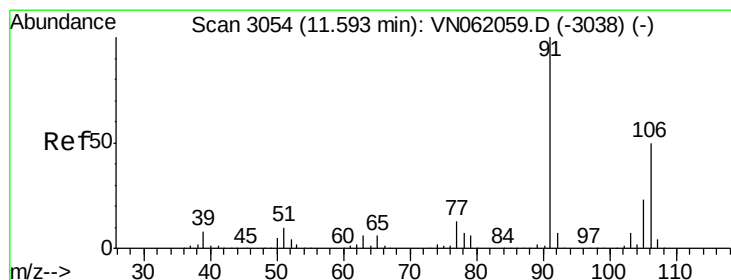
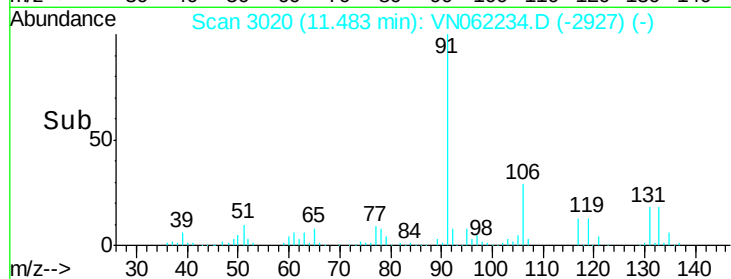
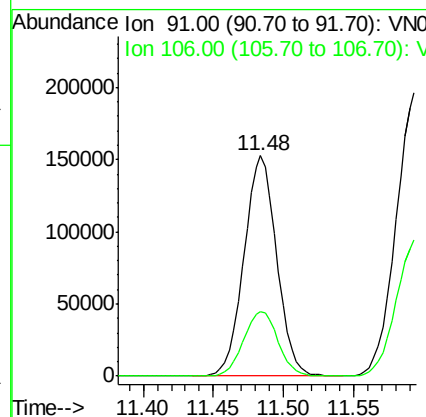
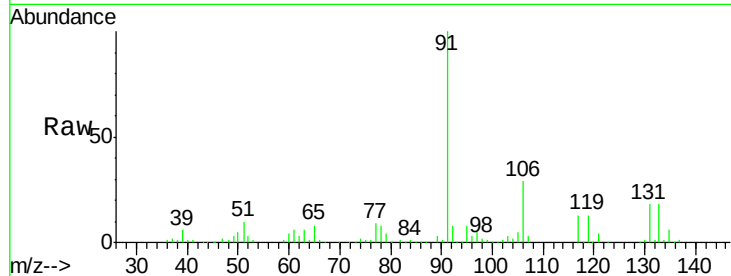
#67
Ethyl Benzene
Concen: 18.382 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

Tot Ion: 91 Resp: 248050
Ion Ratio Lower Upper
91 100
106 29.5 25.3 37.9

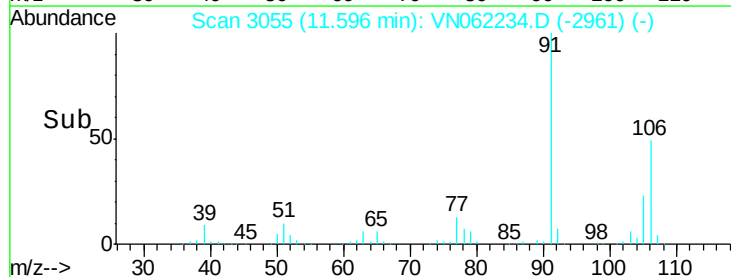
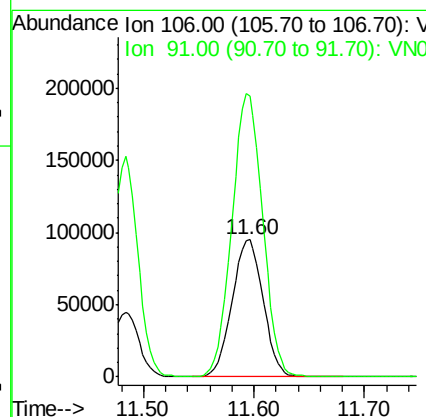
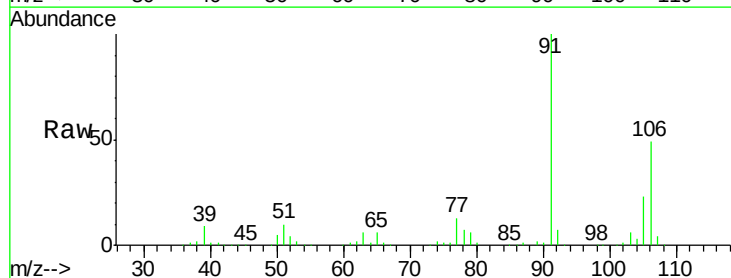
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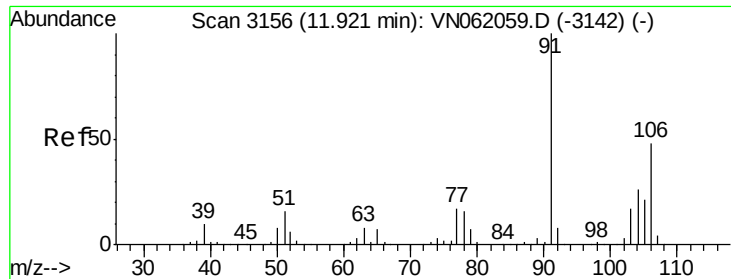
MMDadoda
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#68
m/p-Xylenes
Concen: 35.549 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion: 106 Resp: 185540
Ion Ratio Lower Upper
106 100
91 203.2 157.8 236.8





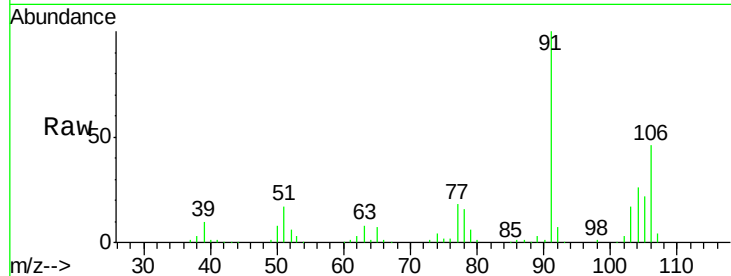
#69
o-Xylene
Concen: 18.116 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

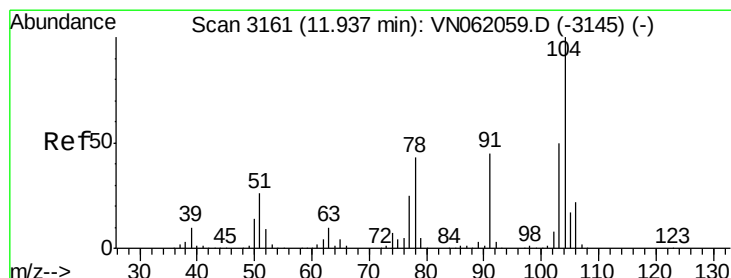
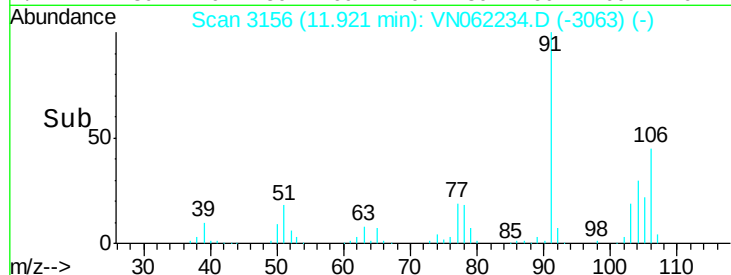
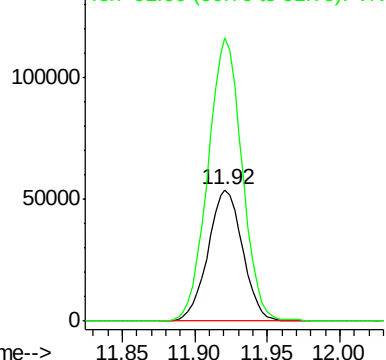
Tot Ion:106 Resp: 89210
Ion Ratio Lower Upper
106 100
91 212.9 104.0 311.9

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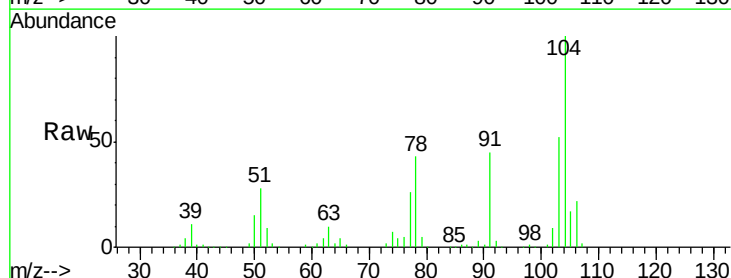


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

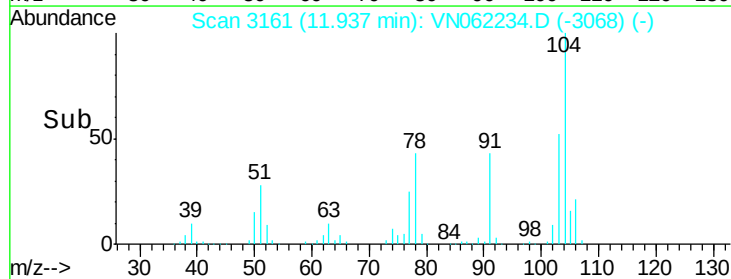
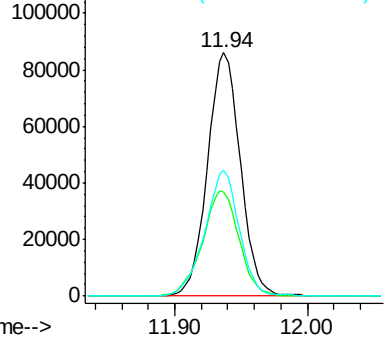


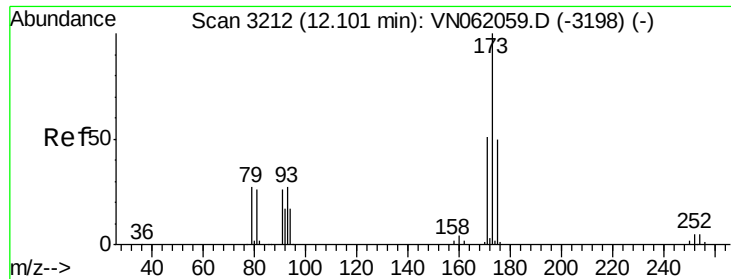
#70
Styrene
Concen: 18.056 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion:104 Resp: 148288
Ion Ratio Lower Upper
104 100
78 48.2 37.7 56.5
103 54.5 43.0 64.6



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





#71

Bromoform

Concen: 17.439 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

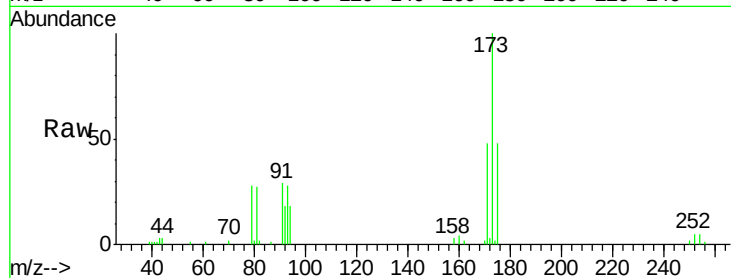
ClientSampled :

VN0630MBS01

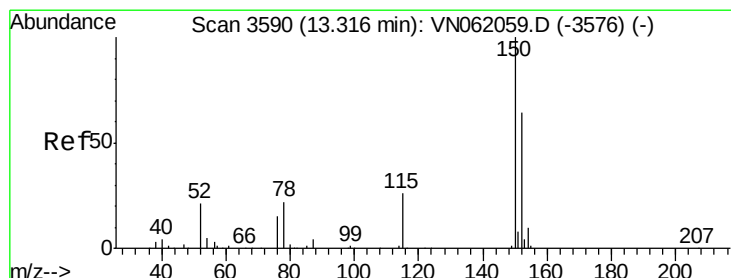
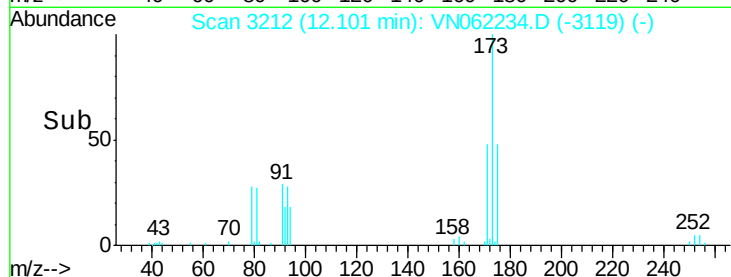
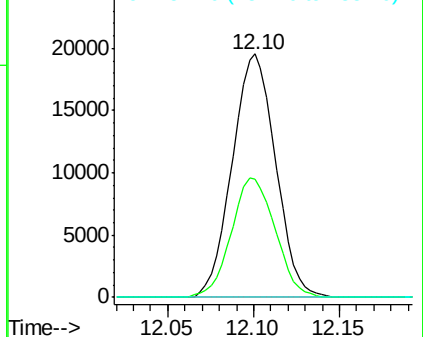
Tot Ion:	173	Resp:	34257
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.7	74.1
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

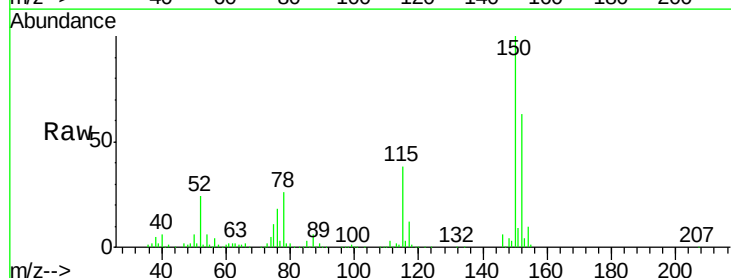
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

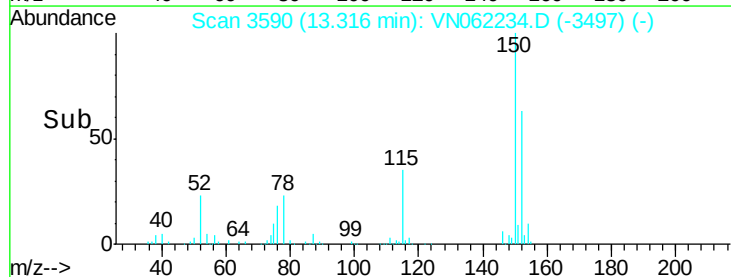
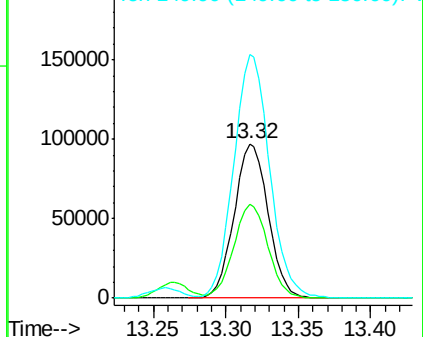
Lab File: VN062234.D

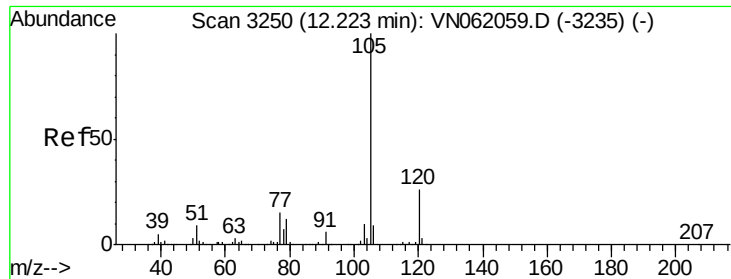
Acq: 30 Jun 2020 13:01

Tgt Ion:	152	Resp:	158474
Ion Ratio	Lower	Upper	
152	100		
115	61.0	29.5	88.5
150	166.0	0.0	351.4



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





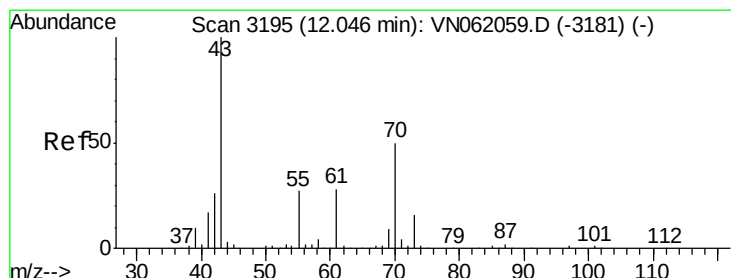
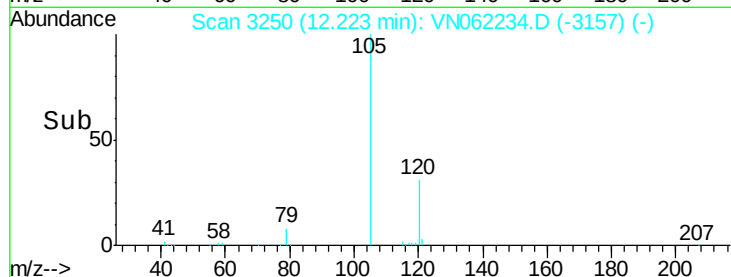
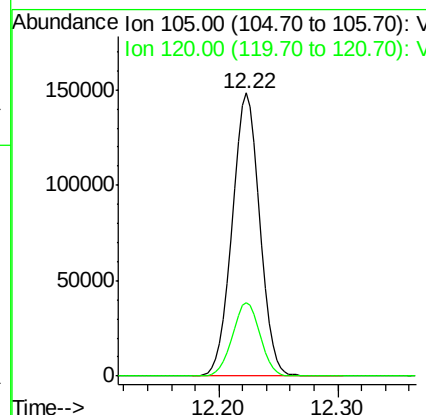
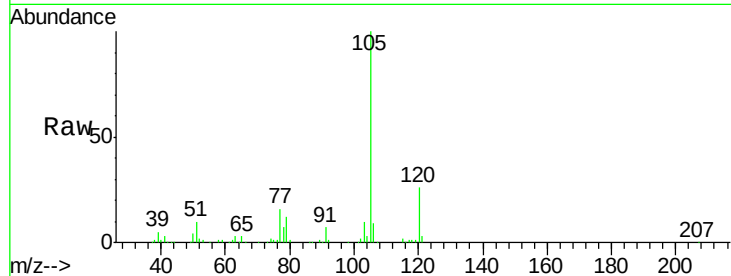
#73
Isopropylbenzene
Concen: 19.360 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

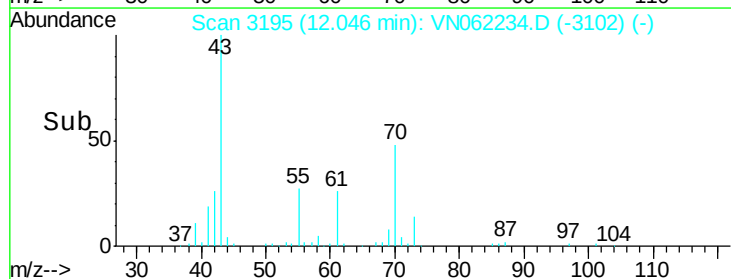
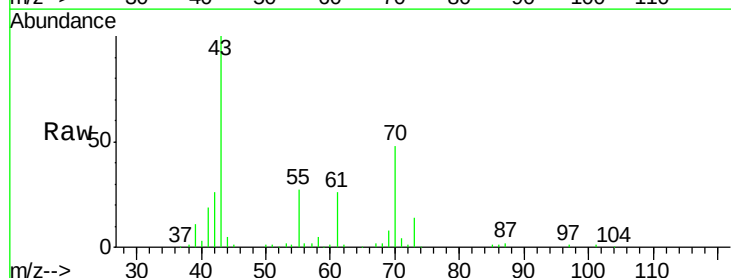
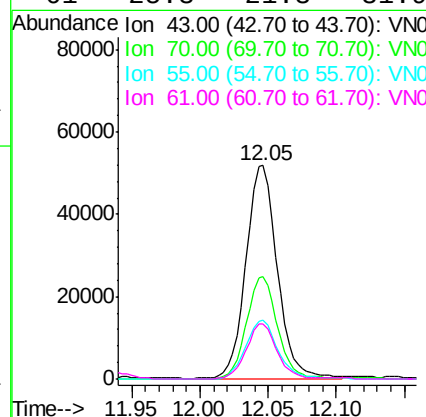
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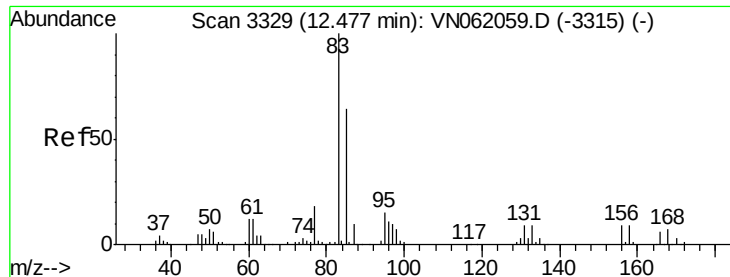
MMDadoda
7/1/2020 10:16:45 AM



#74
N-ethyl acetate
Concen: 20.633 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.0	39.4	59.2
55	28.3	21.7	32.5
61	25.3	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.735 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

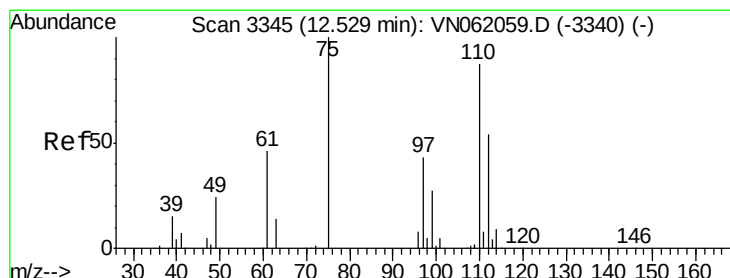
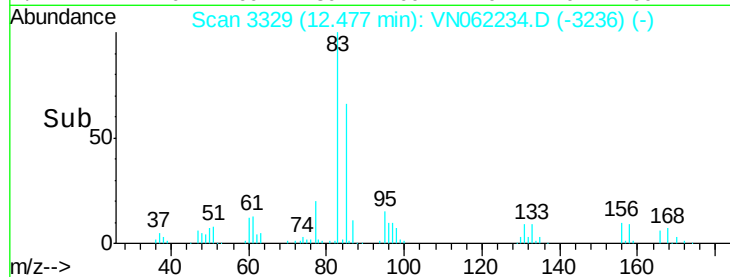
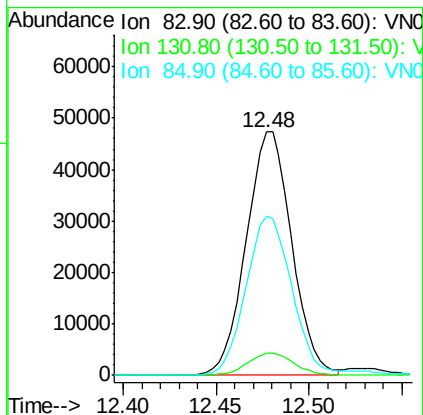
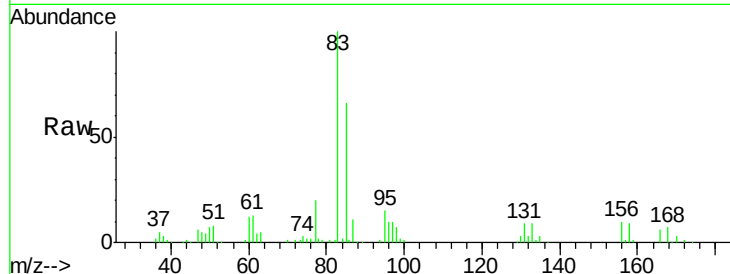
ClientSampled :

VN0630MBS01

Tot Ion:	83	Resp:	80564
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.4
85	65.9	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 19.055 ug/l m

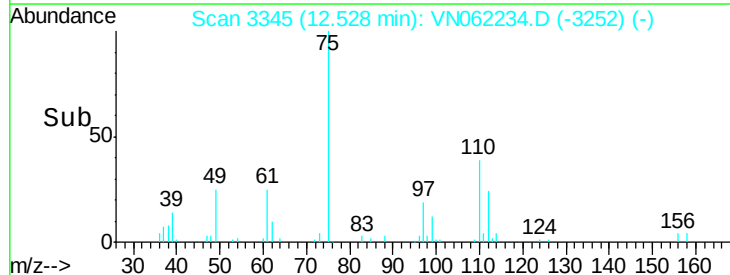
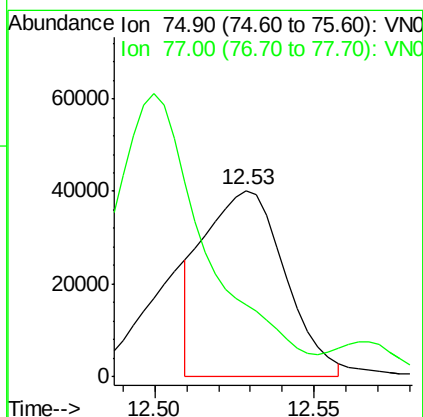
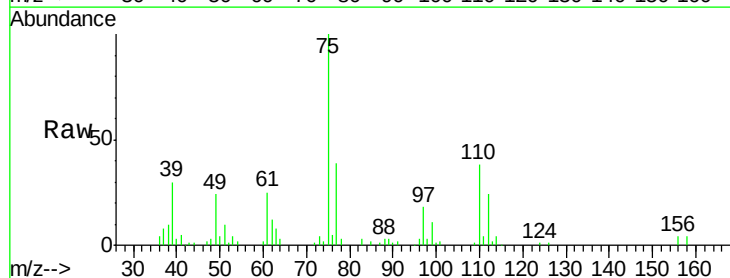
RT: 12.53 min Scan# 3345

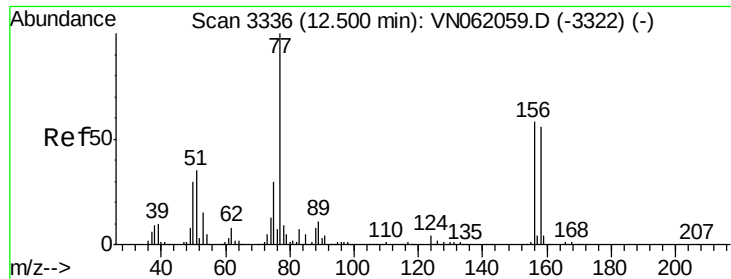
Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Tgt Ion:	75	Resp:	71086
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





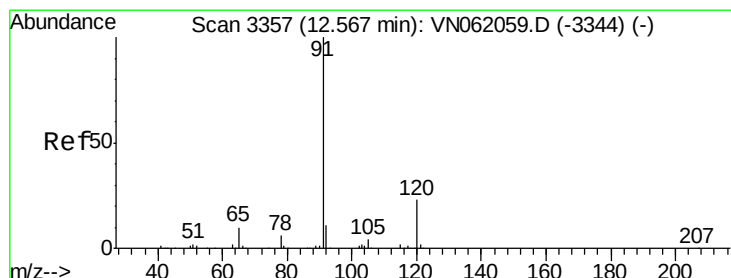
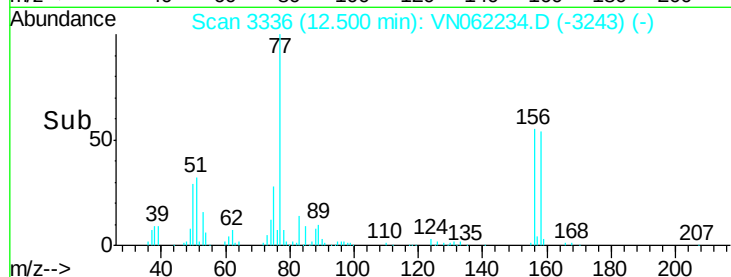
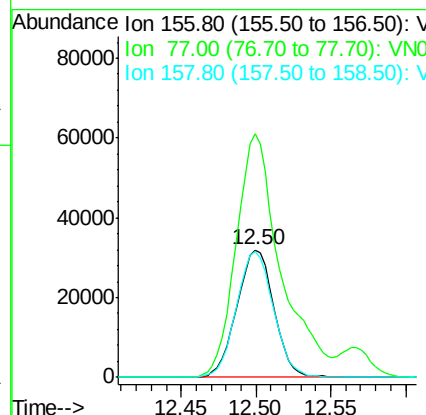
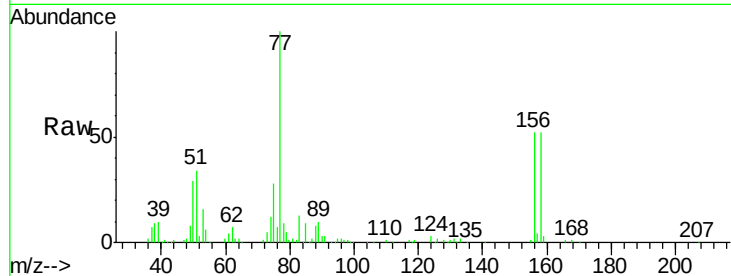
#77
Bromobenzene
Concen: 18.074 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	229.8	104.6	313.8
158	98.9	48.0	144.0

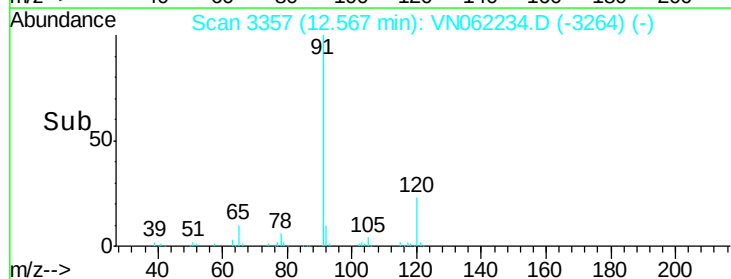
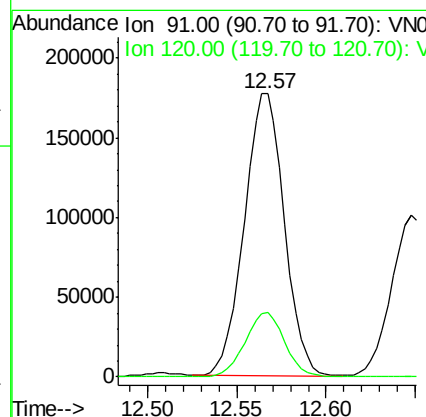
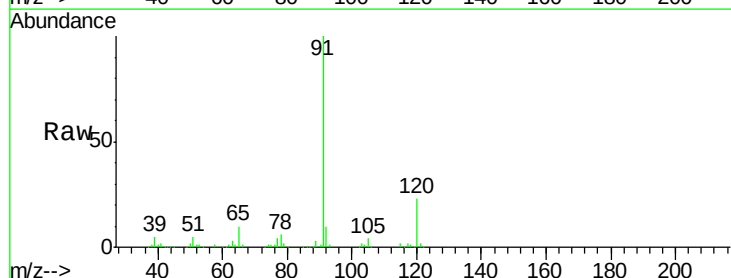
Manual Integrations
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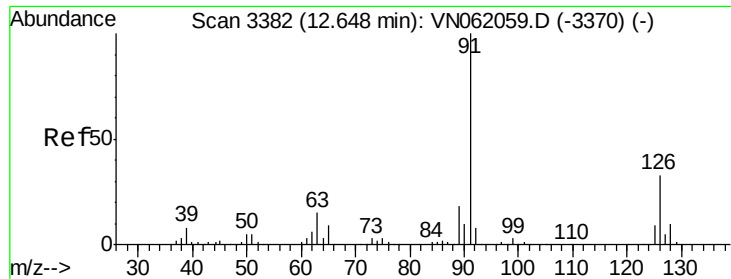
MMDadoda
7/1/2020 10:16:45 AM



#78
n-propylbenzene
Concen: 19.660 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1





#79

2-Chlorotoluene

Concen: 19.147 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

VN0630MBS01

Tot Ion: 91 Resp: 162424

Ion Ratio Lower Upper

91 100

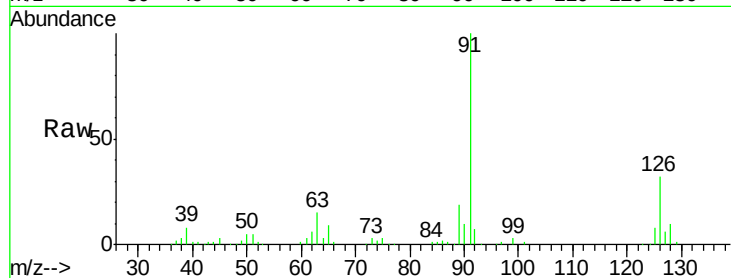
126 32.9 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062059.D (-3370) (-)

150000

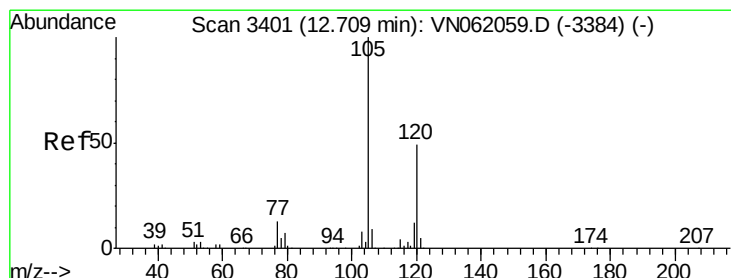
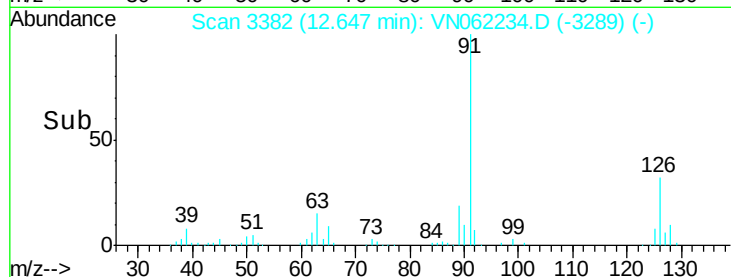
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.642 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062234.D

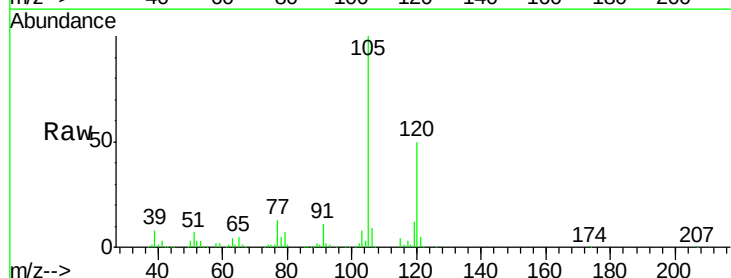
Acq: 30 Jun 2020 13:01

Tgt Ion: 105 Resp: 195326

Ion Ratio Lower Upper

105 100

120 48.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062059.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN062059.D (-3384) (-)

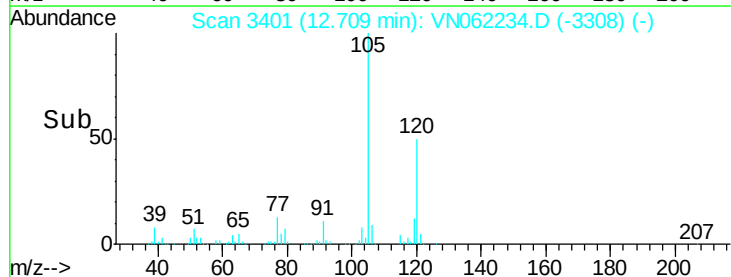
100000

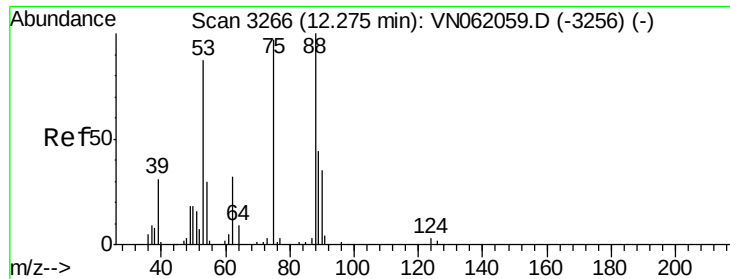
50000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.424 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

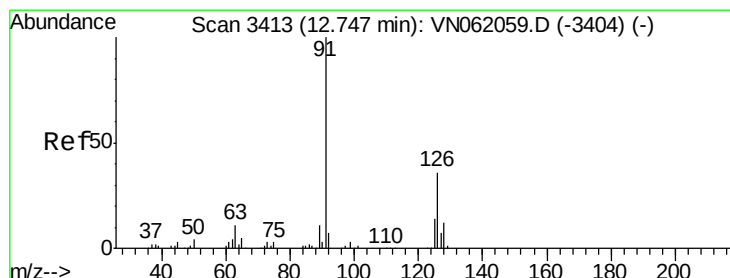
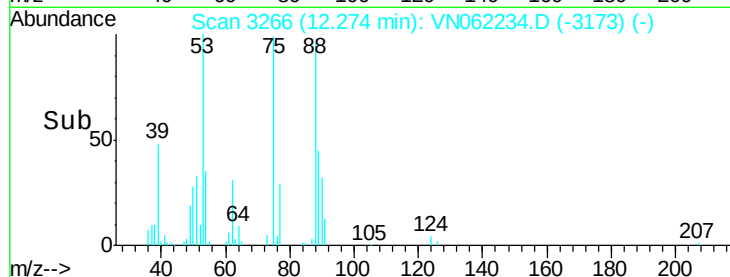
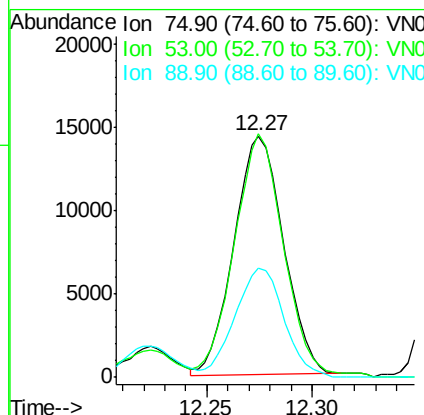
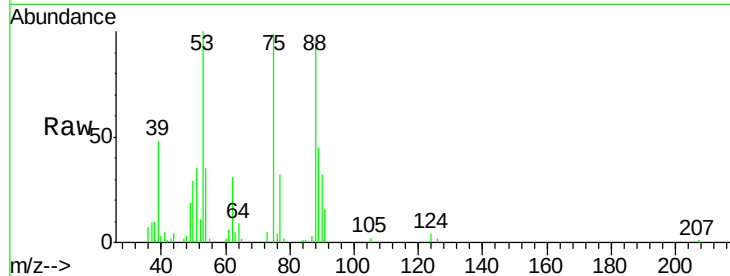
ClientSampleId :

VN0630MBS01

Tot Ion:	75	Resp:	23536
Ion	Ratio	Lower	Upper
75	100		
53	101.7	72.0	108.0
89	45.2	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.008 ug/l

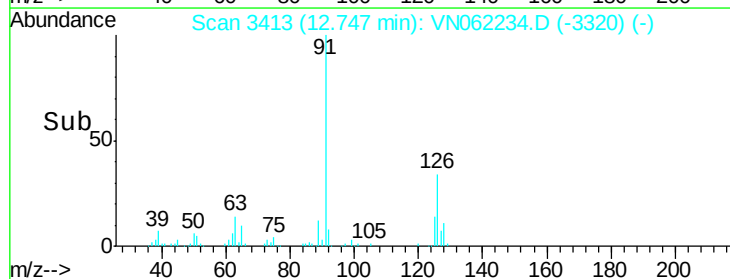
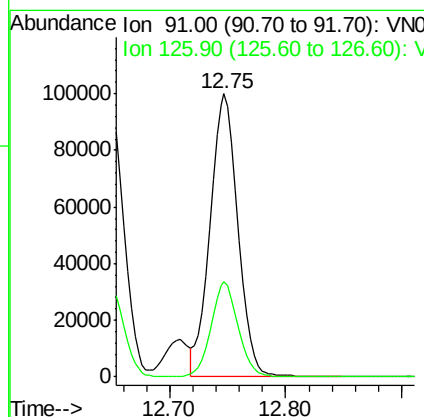
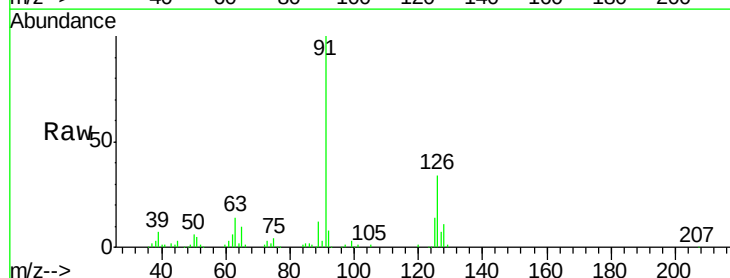
RT: 12.75 min Scan# 3413

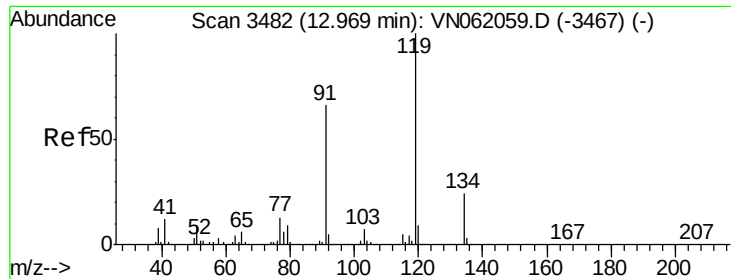
Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Tgt Ion:	91	Resp:	166738
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.7	50.1





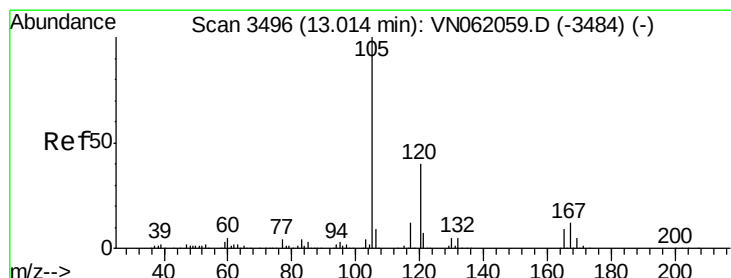
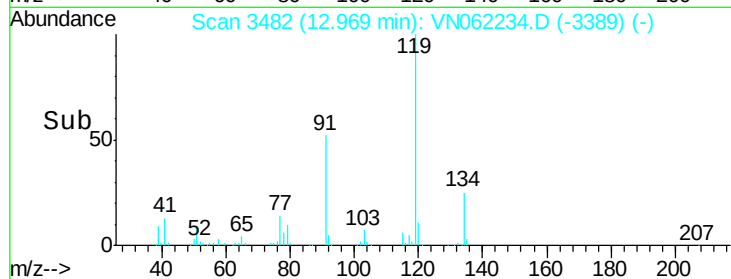
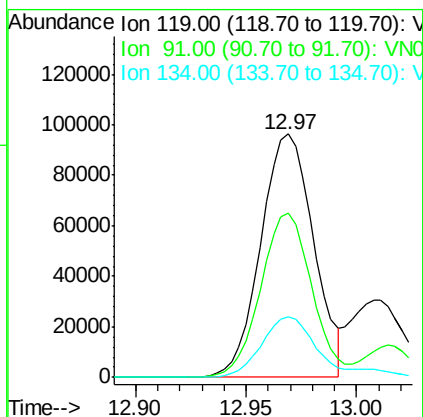
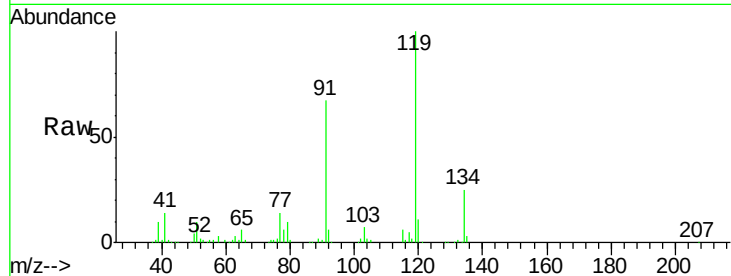
#83
 tert-Butylbenzene
 Concen: 18.819 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	160156		
91	65.7	31.7	95.1	
134	25.0	13.1	39.1	

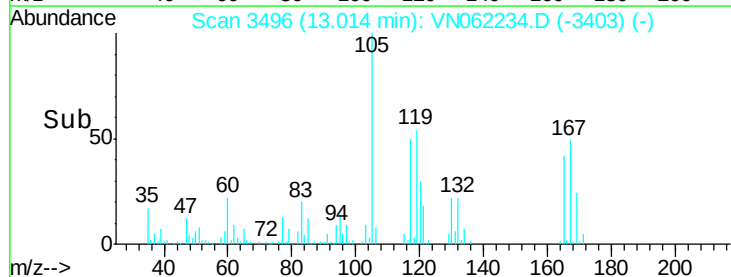
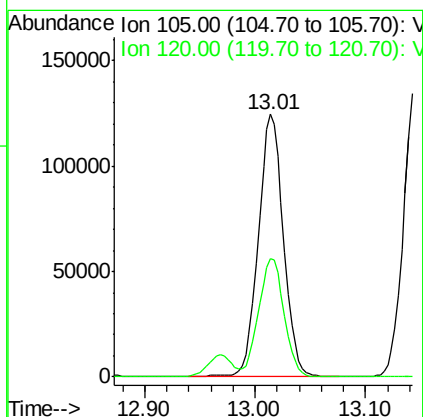
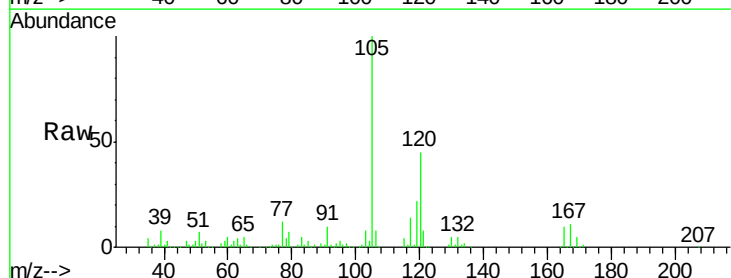
Manual Integrations
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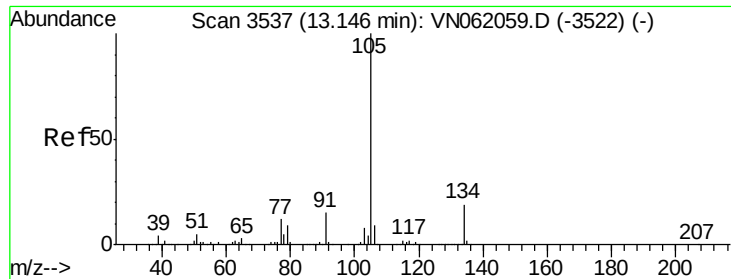
MMDadoda
 7/1/2020 10:16:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.718 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	195834		
120	45.7	23.2	69.5	





#85

sec-Butylbenzene

Concen: 20.142 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

VN0630MBS01

Tot Ion:105 Resp: 226502

Ion Ratio Lower Upper

105 100

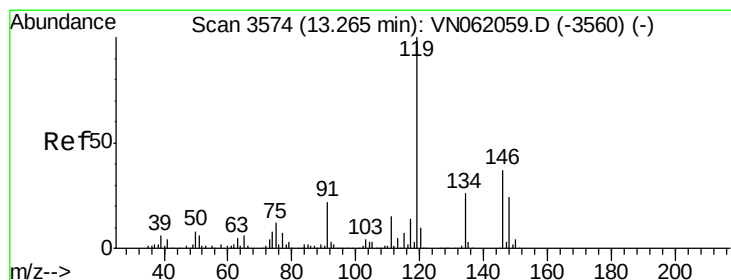
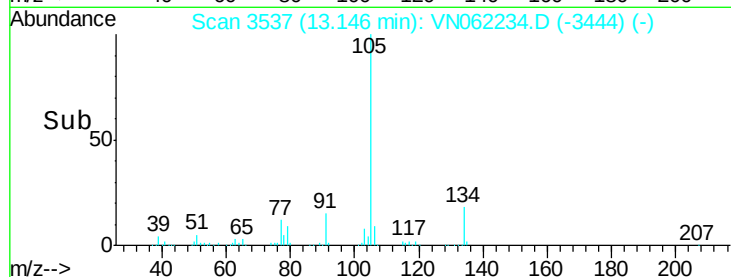
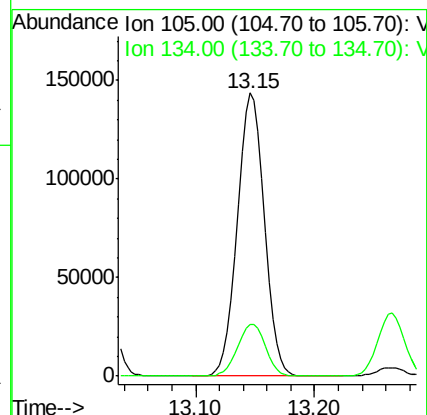
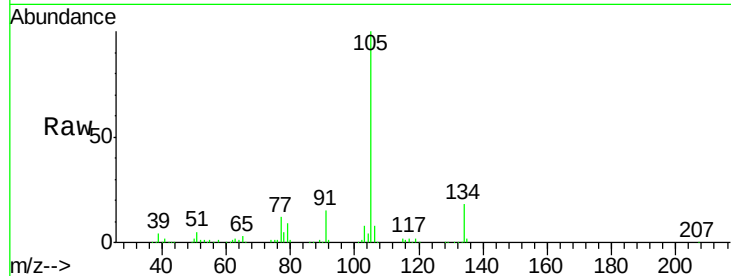
134 18.9 9.7 29.1

Manual Integrations

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7/1/2020 10:16:45 AM



#86

p-Isopropyltoluene

Concen: 19.563 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

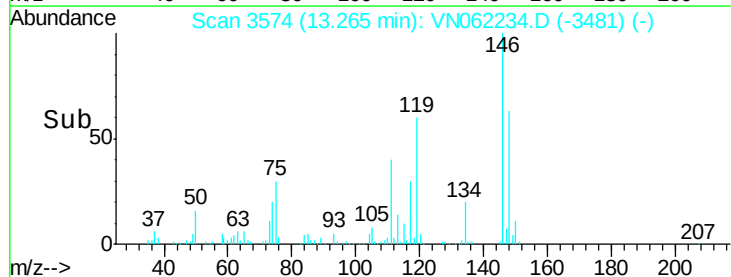
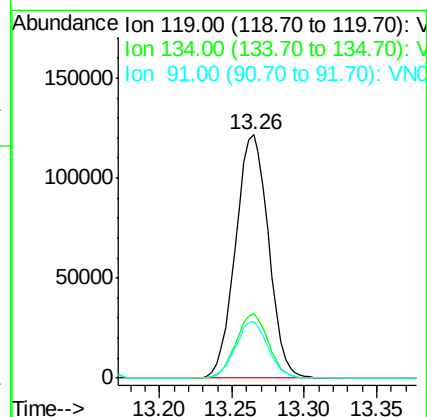
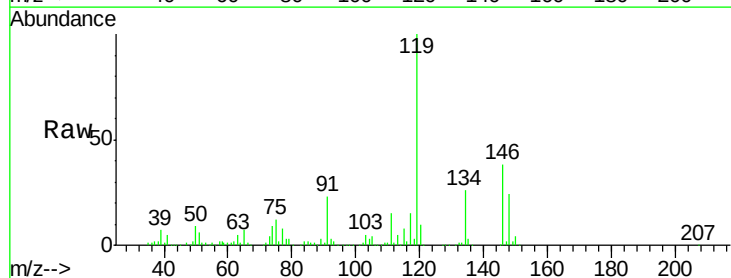
Tgt Ion:119 Resp: 192741

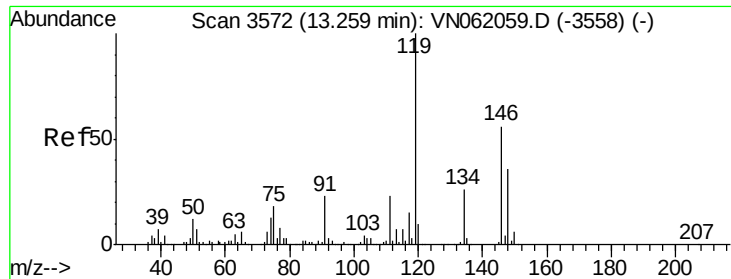
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 23.0 11.3 33.8





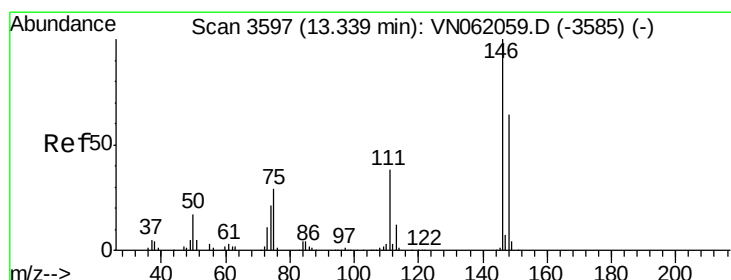
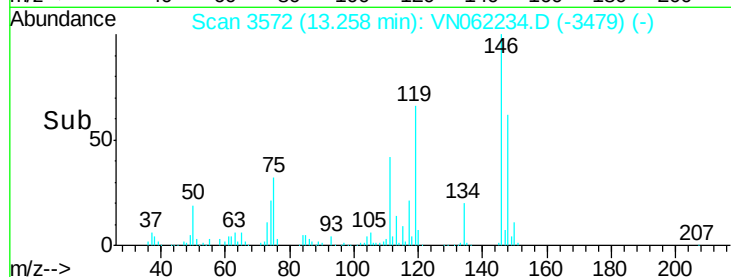
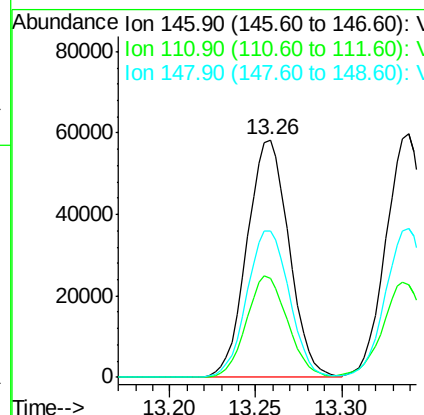
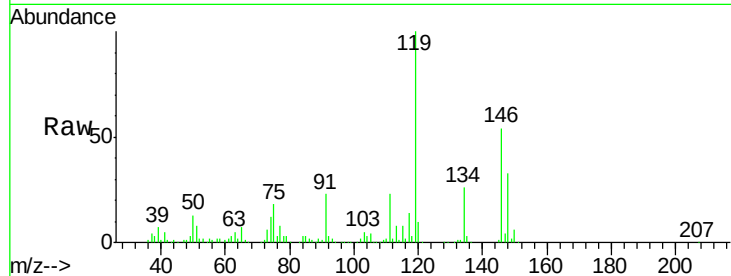
#87
 1,3-Dichlorobenzene
 Concen: 18.497 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	62.5	31.8	95.3

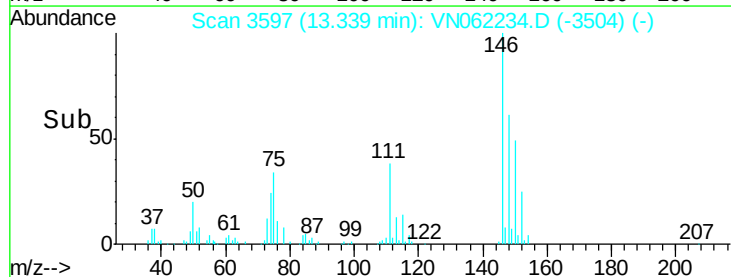
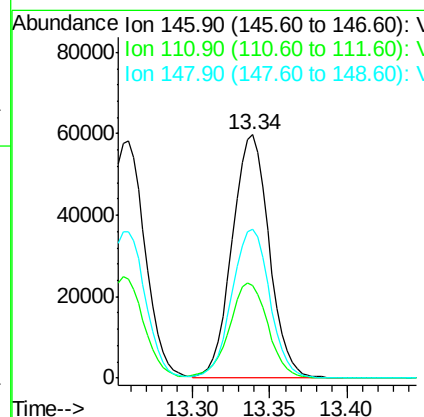
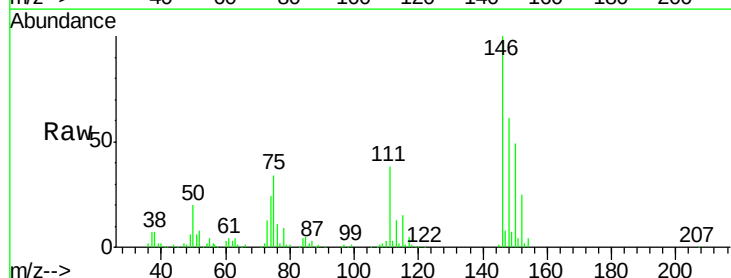
Manual Integrations
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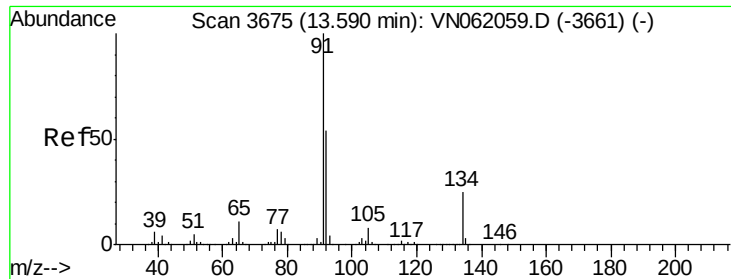
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 17.996 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.9	59.6
148	62.7	31.9	95.9





#89

n-Butylbenzene

Concen: 19.551 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

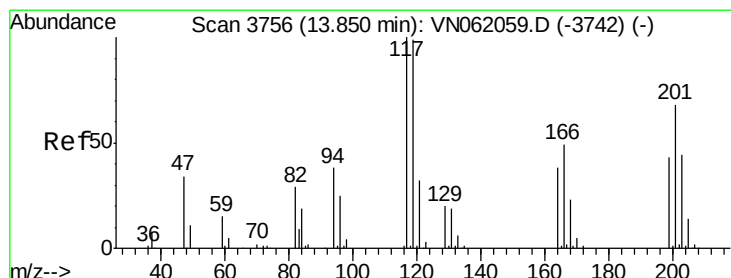
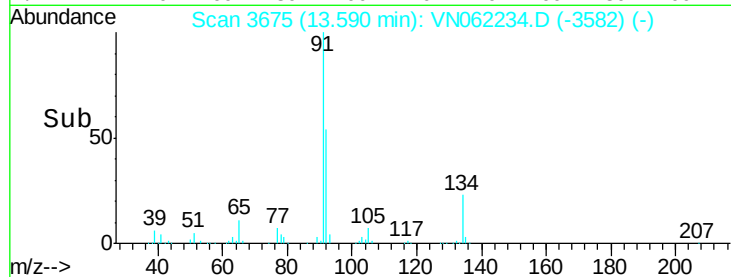
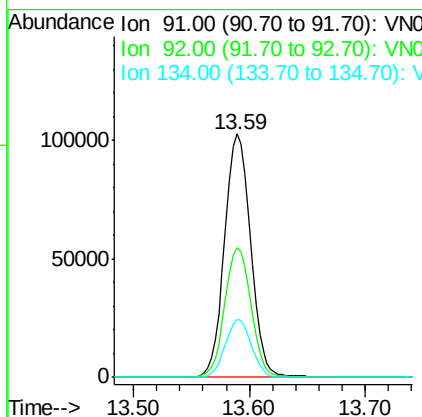
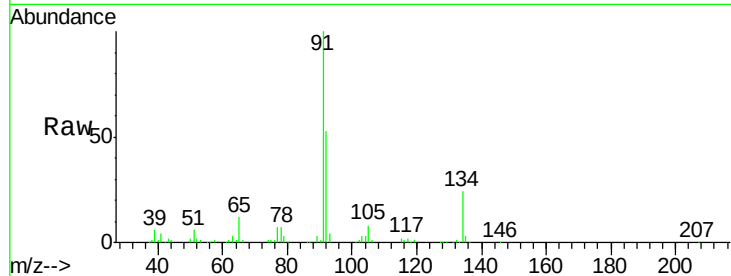
ClientSampled :

VN0630MBS01

Tot Ion:	91	Resp:	160142
Ion Ratio	Lower	Upper	
91	100		
92	53.4	26.6	79.7
134	23.7	12.3	36.9

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#90

Hexachloroethane

Concen: 19.569 ug/l

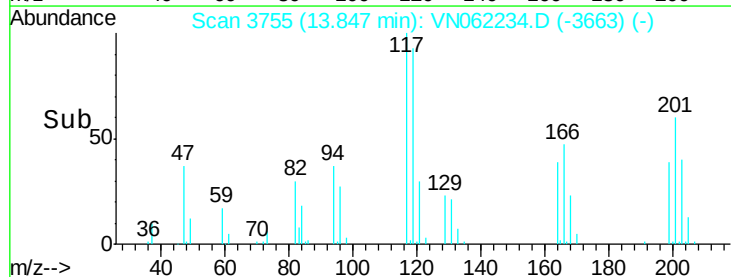
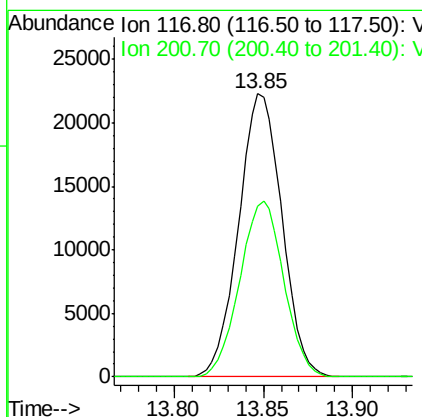
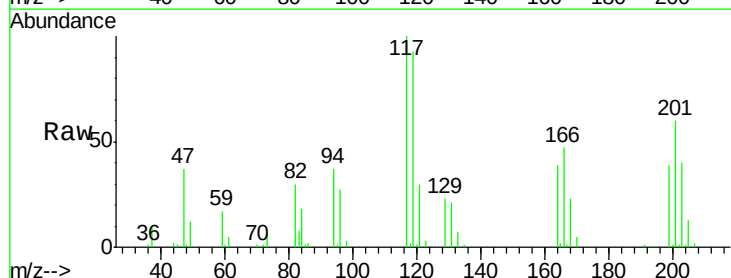
RT: 13.85 min Scan# 3755

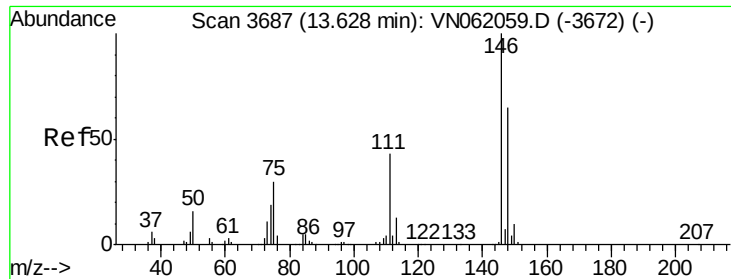
Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Tgt Ion:	117	Resp:	37828
Ion Ratio	Lower	Upper	
117	100		
201	63.0	32.7	98.1





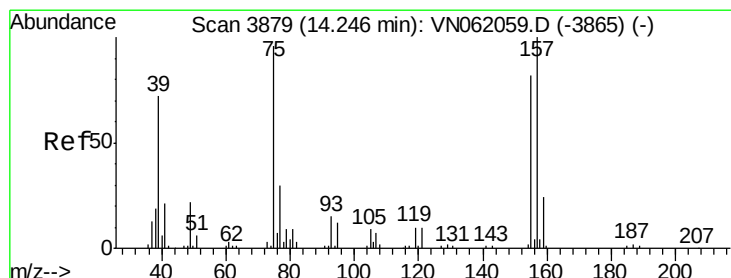
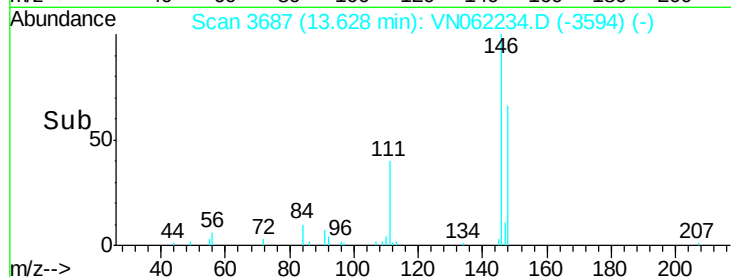
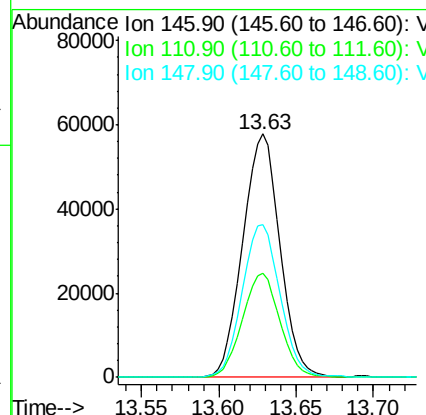
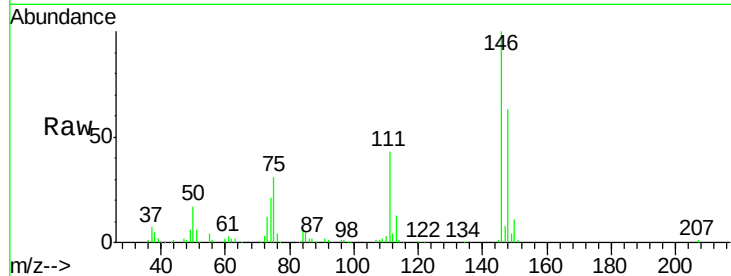
#91
 1,2-Dichlorobenzene
 Concen: 18.693 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.9	31.9	95.5

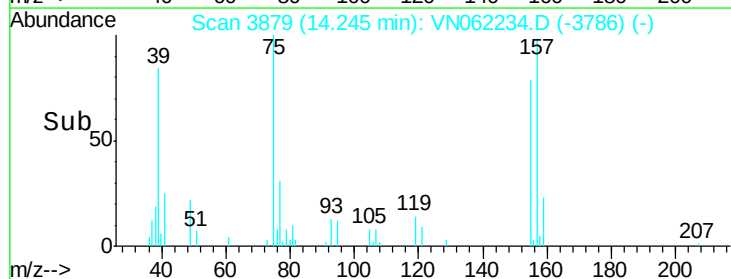
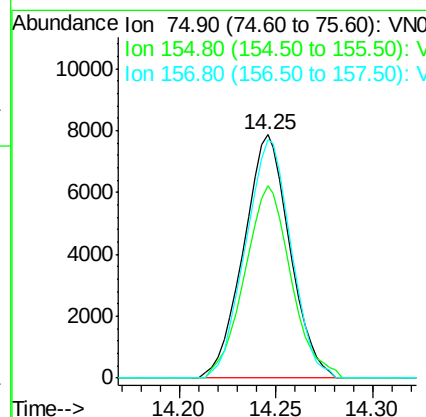
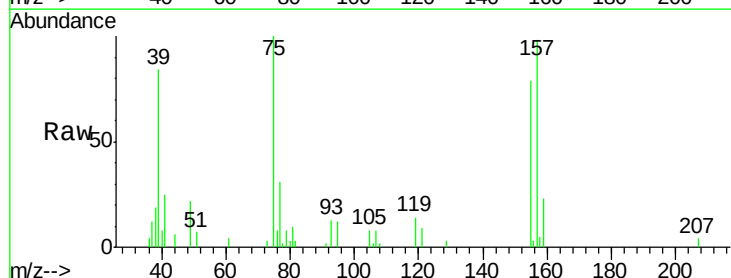
Manual Integrations
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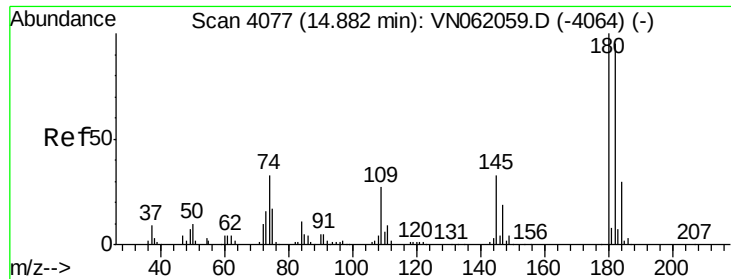
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.026 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062234.D
 Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	40.8	122.4
157	96.6	51.4	154.3





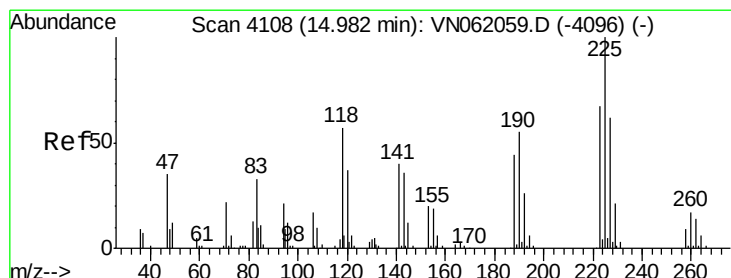
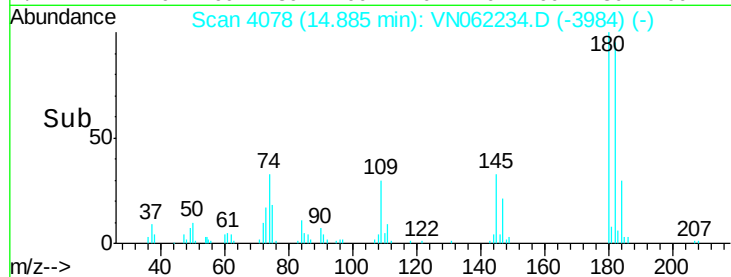
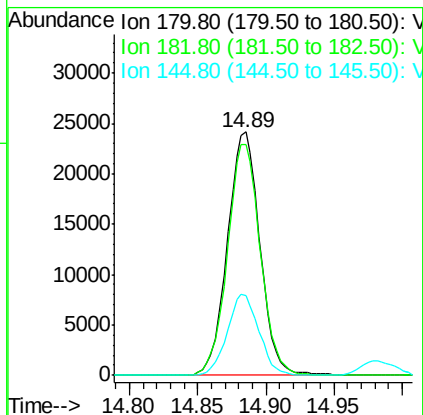
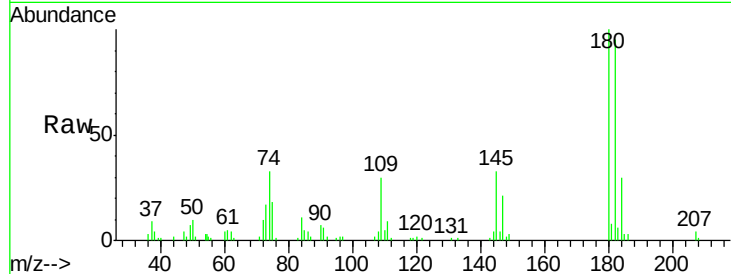
#93
1,2,4-Trichlorobenzene
Concen: 17.624 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0630MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	32.3	16.0	48.0

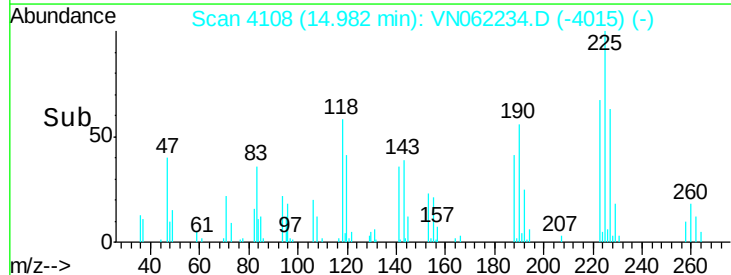
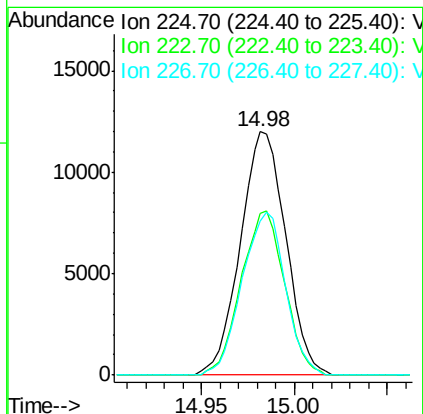
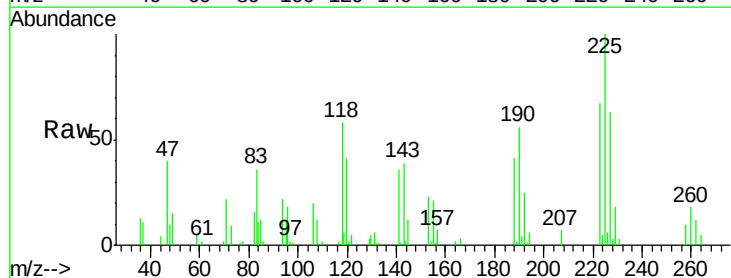
Manual Integrations
APPROVED

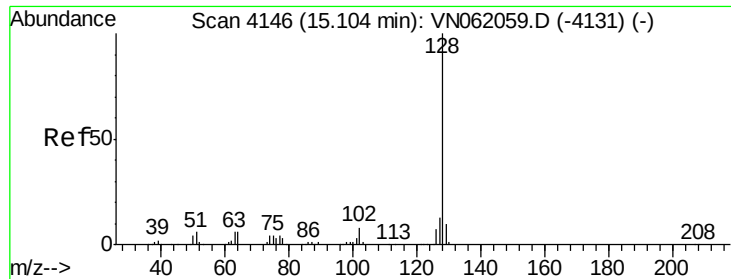
MMDadoda
7/1/2020 10:16:45 AM



#94
Hexachlorobutadiene
Concen: 20.673 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062234.D
Acq: 30 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	32.9	98.7
227	63.8	31.3	93.8





#95

Naphthalene

Concen: 17.813 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Instrument :

MSVOA_N

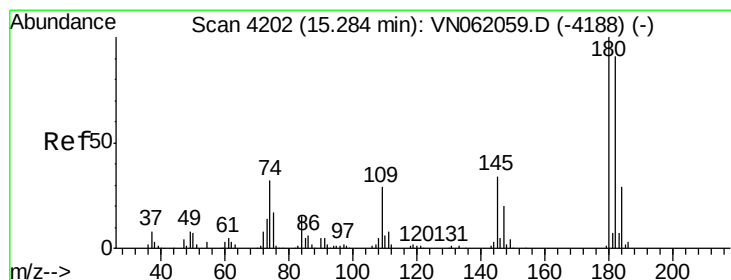
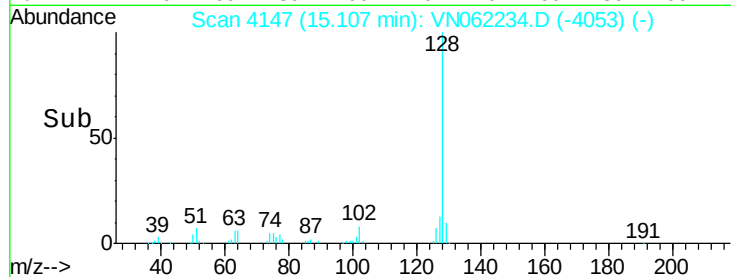
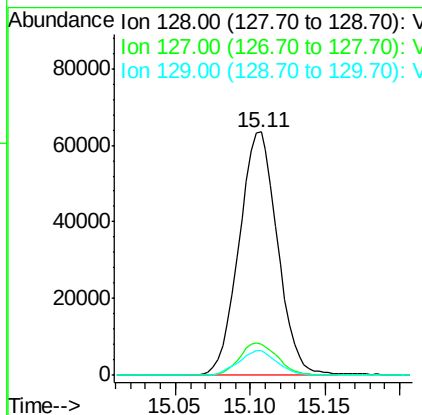
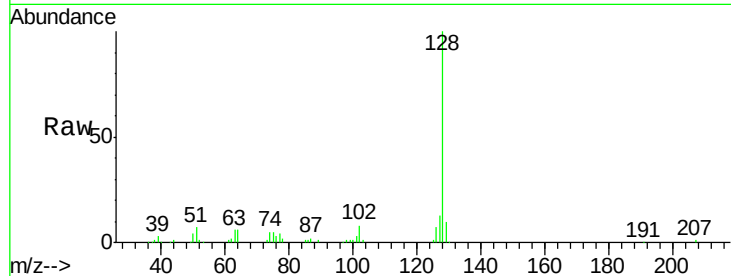
ClientSampled :

VN0630MBS01

Tot Ion:	128	Resp:	113439
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.074 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062234.D

Acq: 30 Jun 2020 13:01

Tgt Ion:	180	Resp:	41869
Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.8	140.4
145	34.3	16.4	49.2

