

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061542.D
 Acq On : 28 May 2020 19:19
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:46:51 PM

Quant Time: May 29 02:00:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	400663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	645848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	620589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	322002	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	466421	80.55	ug/l	0.00
Spiked Amount			Recovery	=	161.10%	
35) Dibromofluoromethane	7.55	113	313772	92.25	ug/l	0.00
Spiked Amount			Recovery	=	184.50%	
50) Toluene-d8	10.06	98	1589674	101.04	ug/l	0.00
Spiked Amount			Recovery	=	202.08%	
62) 4-Bromofluorobenzene	12.38	95	581582	100.04	ug/l	0.00
Spiked Amount			Recovery	=	200.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	469767	133.606	ug/l	98
3) Chloromethane	2.03	50	470856	87.348	ug/l	100
4) Vinyl Chloride	2.16	62	664620	87.365	ug/l	99
5) Bromomethane	2.52	94	369575	87.540	ug/l	99
6) Chloroethane	2.66	64	408351	80.172	ug/l	99
7) Trichlorofluoromethane	2.98	101	814066	87.236	ug/l	100
8) Diethyl Ether	3.37	74	247759	91.002	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	364579	93.814	ug/l	99
10) Methyl Iodide	3.91	142	528473	107.618	ug/l	100
11) Tert butyl alcohol	4.73	59	307762	459.111	ug/l	99
12) 1,1-Dichloroethene	3.69	96	385747	94.135	ug/l	96
13) Acrolein	3.56	56	88275	184.830	ug/l	98
14) Allyl chloride	4.27	41	506082	79.091	ug/l	99
15) Acrylonitrile	4.93	53	880916	442.857	ug/l	99
16) Acetone	3.77	43	637731	359.187	ug/l	100
17) Carbon Disulfide	4.01	76	812007	80.733	ug/l	98
18) Methyl Acetate	4.27	43	404736	88.509	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1320640	86.607	ug/l	98
20) Methylene Chloride	4.50	84	428831	88.493	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	435157	93.142	ug/l	97
22) Diisopropyl ether	5.90	45	1135850	78.736	ug/l	98
23) Vinyl Acetate	5.84	43	4519583	394.067	ug/l	98
24) 1,1-Dichloroethane	5.80	63	708191	83.403	ug/l	99
25) 2-Butanone	6.78	43	1072965	407.293	ug/l	99
26) 2,2-Dichloropropane	6.77	77	618225	76.815	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	505838	91.785	ug/l	100
28) Bromochloromethane	7.15	49	275185	78.368	ug/l	98
29) Tetrahydrofuran	7.17	42	720101	412.760	ug/l	100
30) Chloroform	7.33	83	788884	88.464	ug/l	99
31) Cyclohexane	7.61	56	626434	77.603	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	728610	89.305	ug/l	100
36) 1,1-Dichloropropene	7.75	75	579912	97.456	ug/l	100
37) Ethyl Acetate	6.88	43	473649	87.952	ug/l	99
38) Carbon Tetrachloride	7.73	117	598867	108.780	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	728515	100.002	ug/l	98
40) Benzene	8.00	78	1769636	98.506	ug/l	100
41) Methacrylonitrile	7.13	41	213671	96.502	ug/l #	87
42) 1,2-Dichloroethane	8.09	62	584928	91.331	ug/l	99
43) Isopropyl Acetate	8.13	43	830001	89.052	ug/l	99
44) Trichloroethene	8.80	130	556770	114.579	ug/l	96
45) 1,2-Dichloropropane	9.08	63	418891	93.845	ug/l	99
46) Dibromomethane	9.18	93	317866	100.142	ug/l	97
47) Bromodichloromethane	9.37	83	651944	98.519	ug/l	99
48) Methyl methacrylate	9.17	41	368035	85.992	ug/l	100
49) 1,4-Dioxane	9.17	88	112112	2092.047	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	2373231	466.654	ug/l	99
52) Toluene	10.12	92	1187051	102.567	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	719926	99.722	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	752930	97.578	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	464602	105.795	ug/l	98
56) Ethyl methacrylate	10.40	69	685369	101.064	ug/l	100
57) 1,3-Dichloropropane	10.68	76	738498	98.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1498269	503.672	ug/l	100
59) 2-Hexanone	10.72	43	1743071	474.009	ug/l	99
60) Dibromochloromethane	10.88	129	562202	114.818	ug/l	99
61) 1,2-Dibromoethane	10.98	107	498846	107.747	ug/l	100
64) Tetrachloroethene	10.60	164	601689	121.511	ug/l	98
65) Chlorobenzene	11.41	112	1303739	103.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	486762	106.926	ug/l	99
67) Ethyl Benzene	11.48	91	2238228	98.354	ug/l	98
68) m/p-Xylenes	11.60	106	1801169	207.090	ug/l	96
69) o-Xylene	11.92	106	868490	103.169	ug/l	98
70) Styrene	11.94	104	1488411	106.977	ug/l	99
71) Bromoform	12.10	173	407708	125.228	ug/l #	99
73) Isopropylbenzene	12.22	105	2247538	88.821	ug/l	99
74) N-amyl acetate	12.04	43	760707	83.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	616579	88.495	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	538515m	80.335	ug/l	
77) Bromobenzene	12.50	156	592897	105.108	ug/l	99
78) n-propylbenzene	12.57	91	2523098	88.030	ug/l	99
79) 2-Chlorotoluene	12.65	91	1489599	87.608	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1909659	92.095	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	228808	89.825	ug/l	99
82) 4-Chlorotoluene	12.75	91	1585007	90.054	ug/l	100
83) tert-Butylbenzene	12.97	119	1659384	93.155	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	1912689	92.184	ug/l	97
85) sec-Butylbenzene	13.15	105	2176002	90.952	ug/l	100
86) p-Isopropyltoluene	13.26	119	2036043	95.261	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	1063328	103.840	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1076278	104.979	ug/l	99
89) n-Butylbenzene	13.59	91	1727400	90.136	ug/l	100
90) Hexachloroethane	13.85	117	232485	83.420	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	1009278	102.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	123677	87.860	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	634616	118.035	ug/l	100
94) Hexachlorobutadiene	14.99	225	251133	106.152	ug/l	99
95) Naphthalene	15.10	128	1932890	113.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	616190	114.740	ug/l	98

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

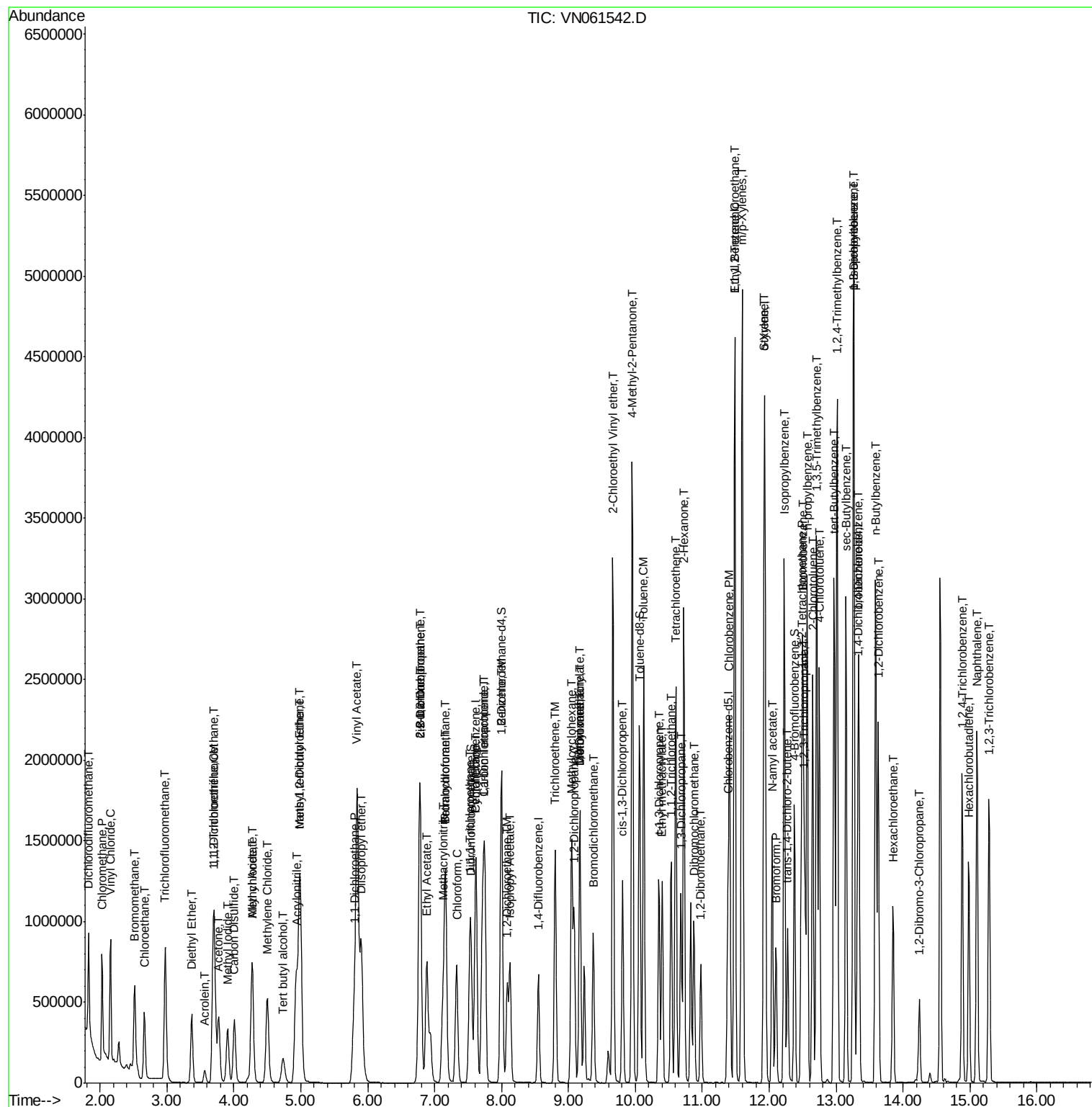
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 Data File : VN061542.D
 Acq On : 28 May 2020 19:19
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 Sample : VSTDICC100
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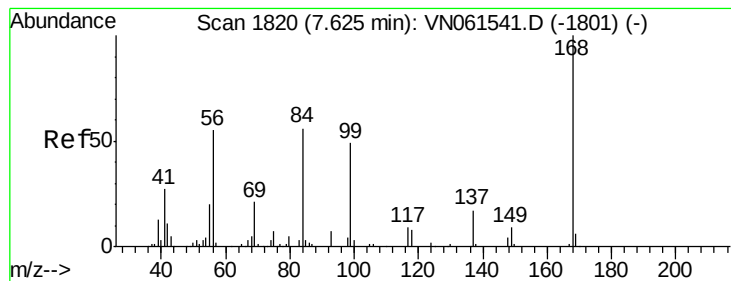
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 400663

Ion Ratio Lower Upper

168 100

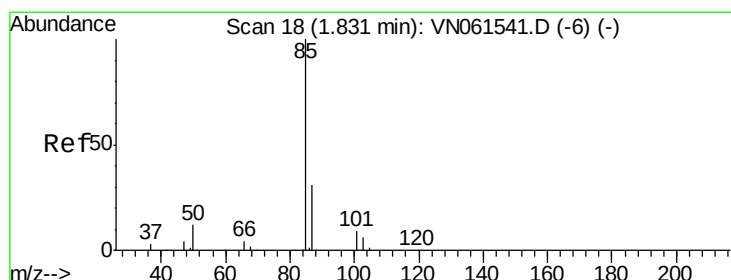
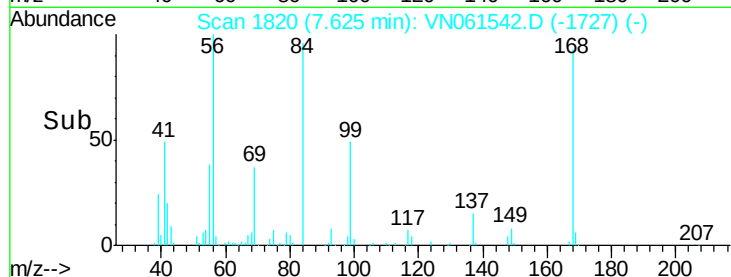
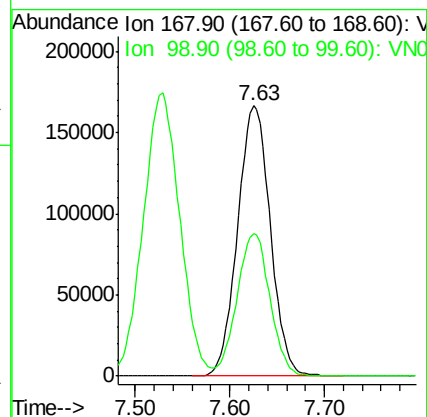
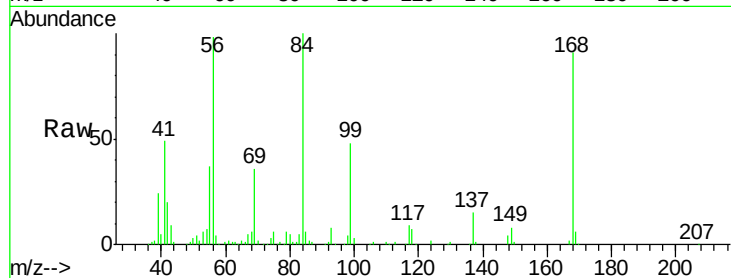
99 52.5 45.0 67.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 133.606 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061542.D

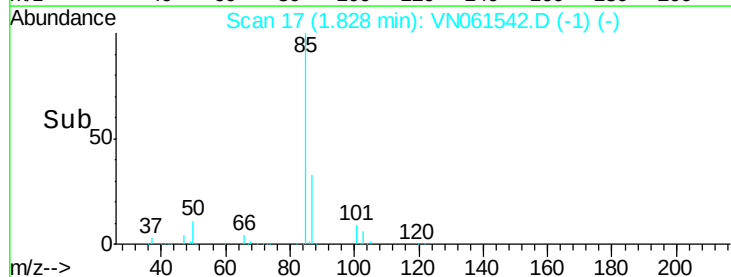
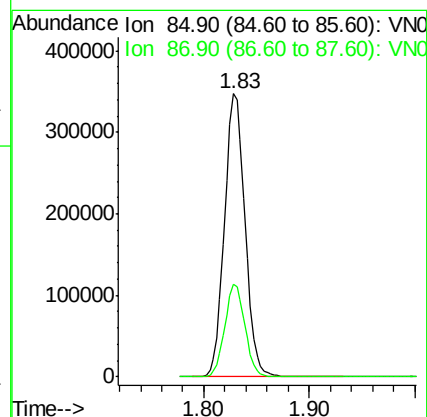
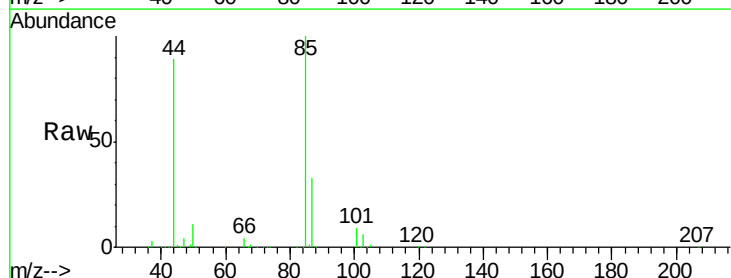
Acq: 28 May 2020 19:19

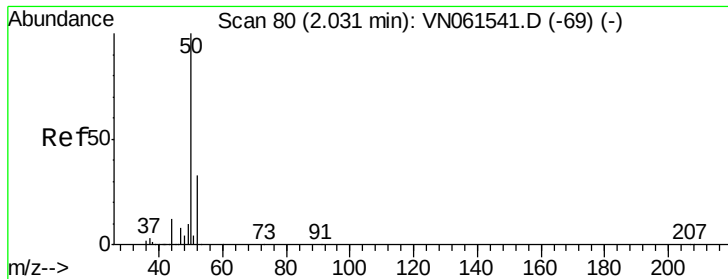
Tgt Ion: 85 Resp: 469767

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.8





#3

Chloromethane

Concen: 87.348 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 470856

Ion Ratio Lower Upper

50 100

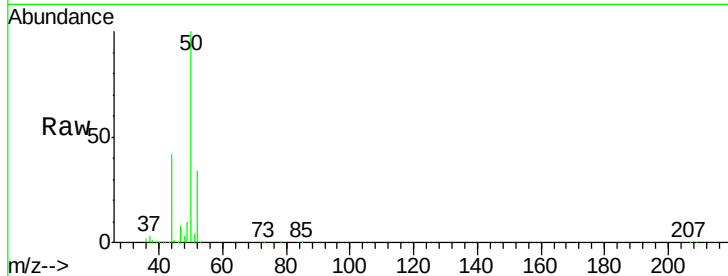
52 33.5 26.7 40.1

Manual Integrations

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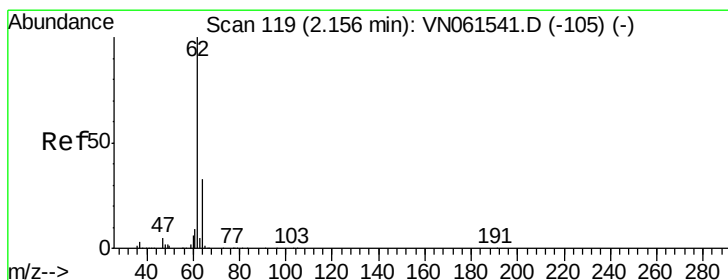
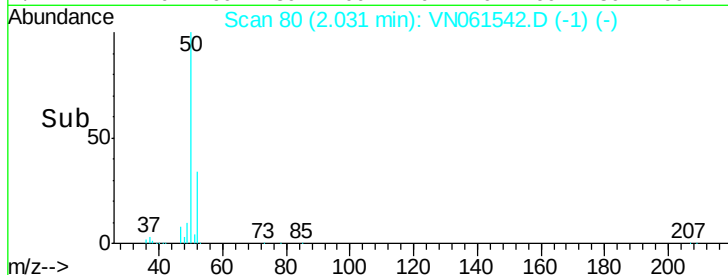
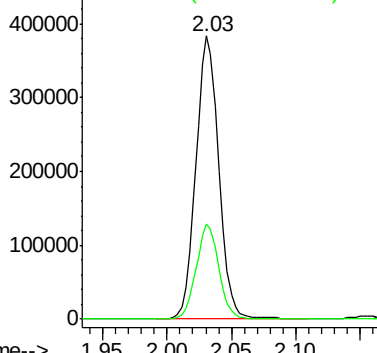
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 87.365 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061542.D

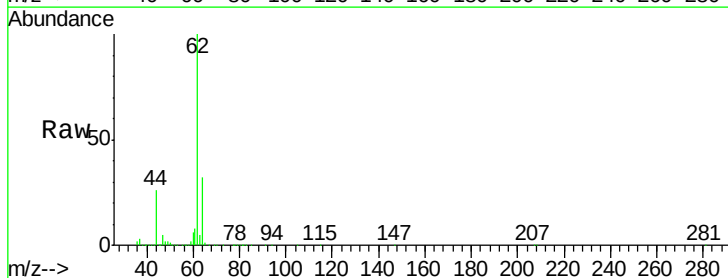
Acq: 28 May 2020 19:19

Tgt Ion: 62 Resp: 664620

Ion Ratio Lower Upper

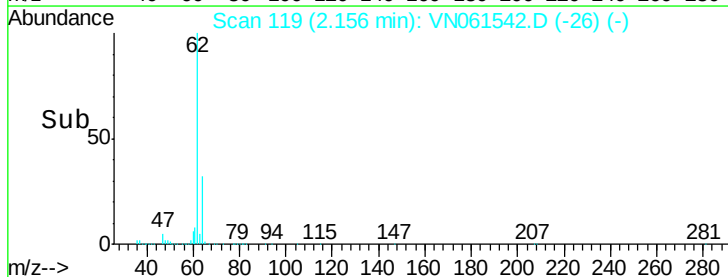
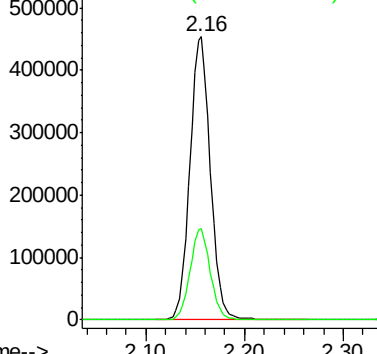
62 100

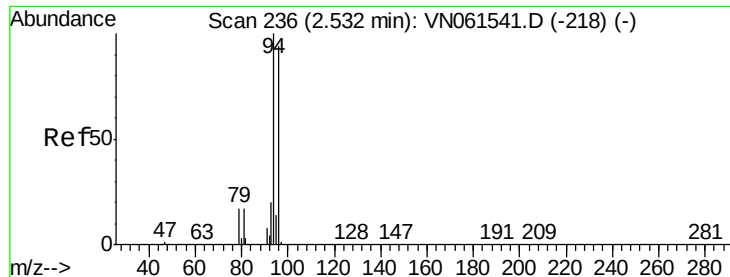
64 32.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 87.540 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

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Tot Ion: 94 Resp: 369575

Ion Ratio Lower Upper

94 100

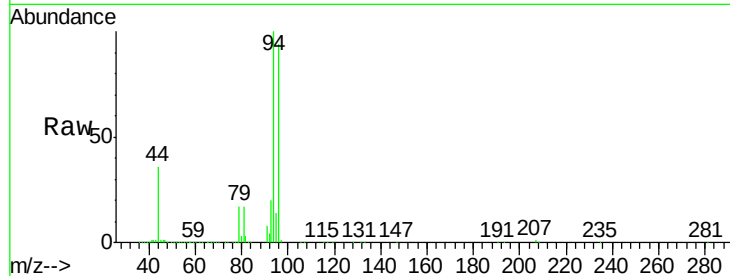
96 94.3 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

200000

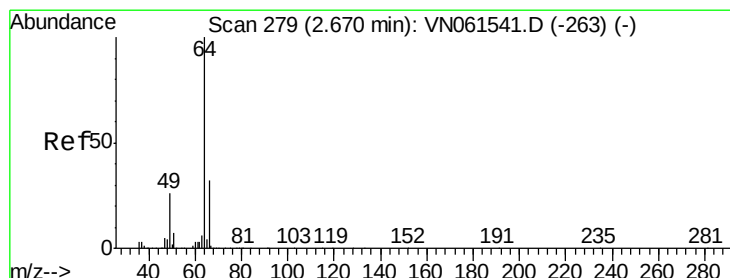
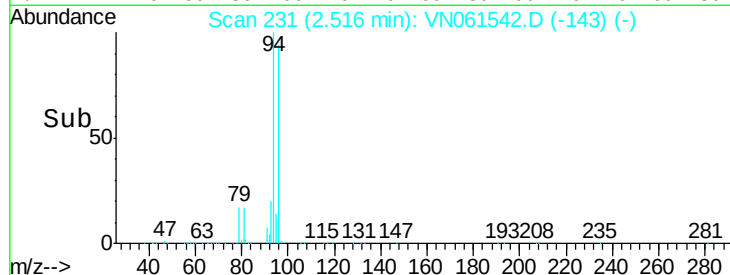
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 80.172 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN061542.D

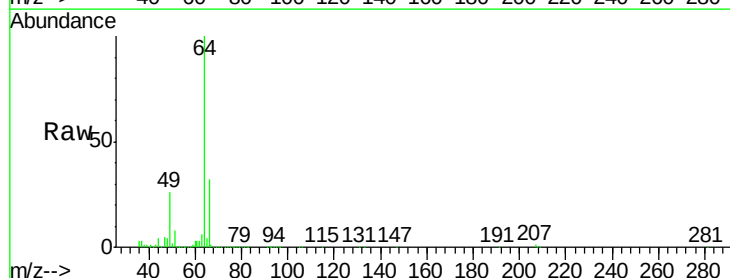
Acq: 28 May 2020 19:19

Tgt Ion: 64 Resp: 408351

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

200000

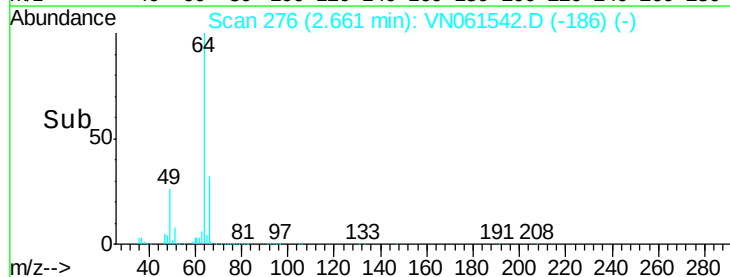
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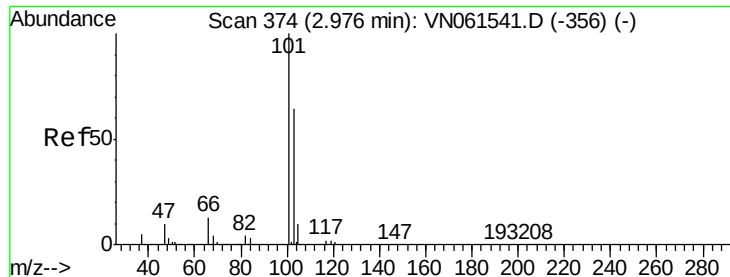
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Time-->





#7

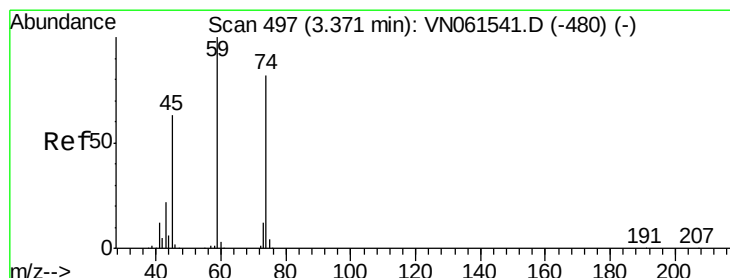
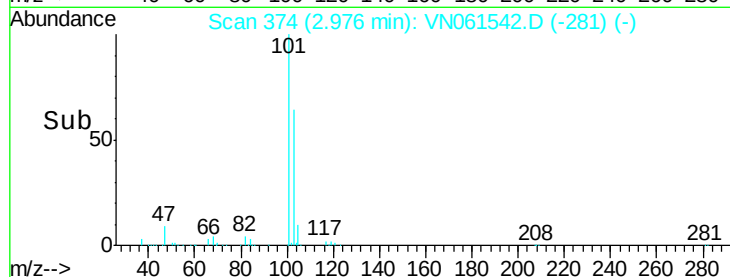
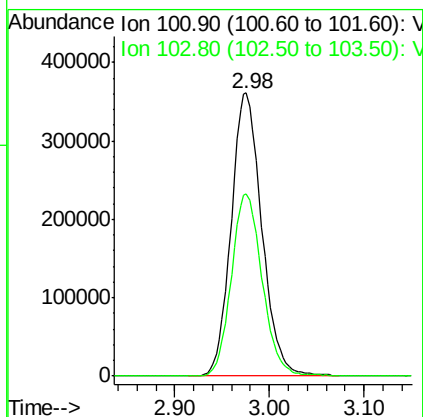
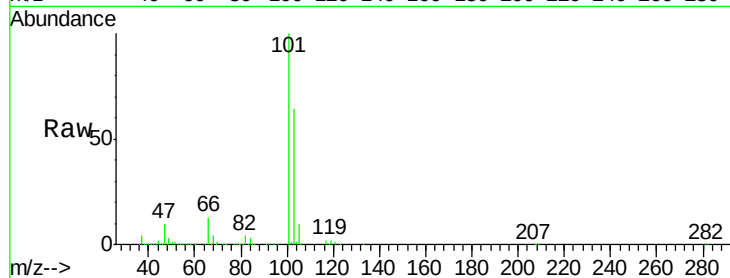
Trichlorofluoromethane
 Concen: 87.236 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

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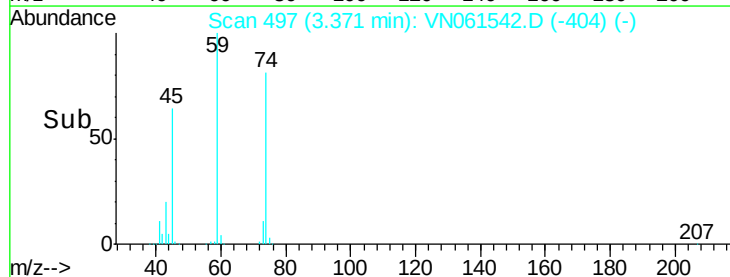
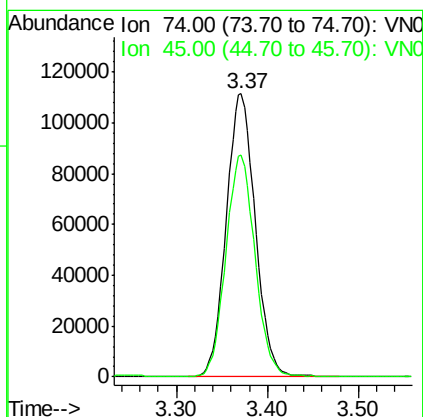
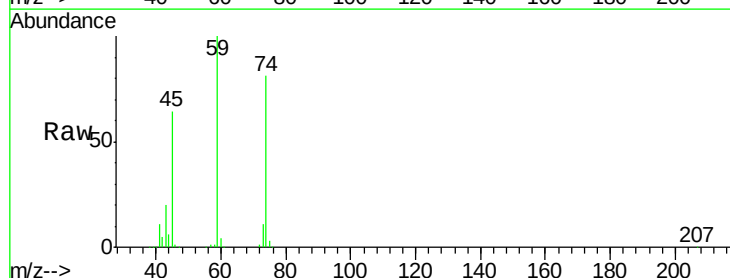
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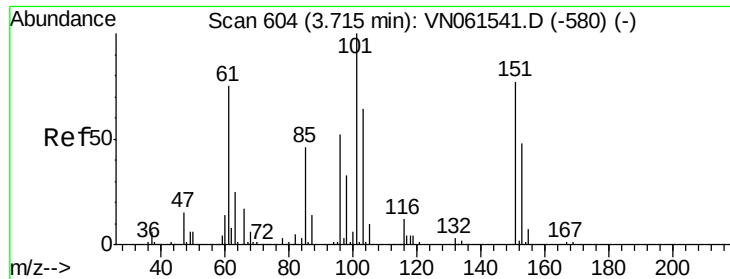


#8

Diethyl Ether
 Concen: 91.002 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.9	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.814 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061542.D

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Instrument :

MSVOA_N

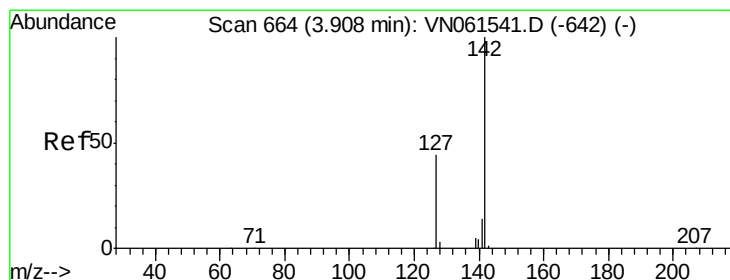
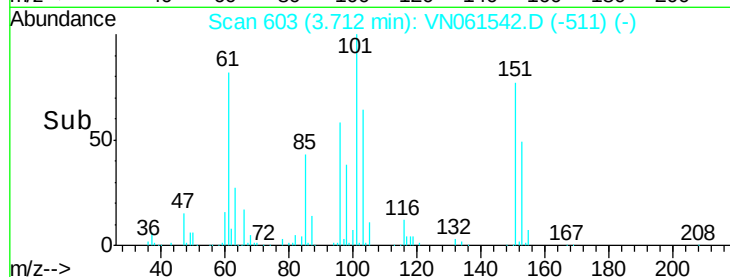
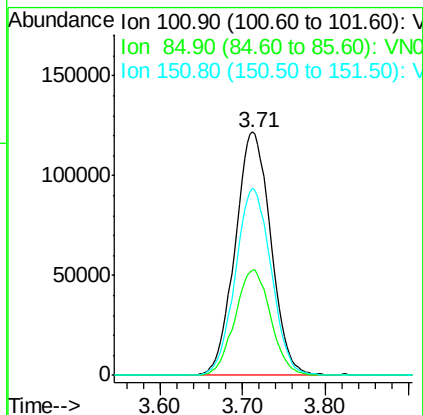
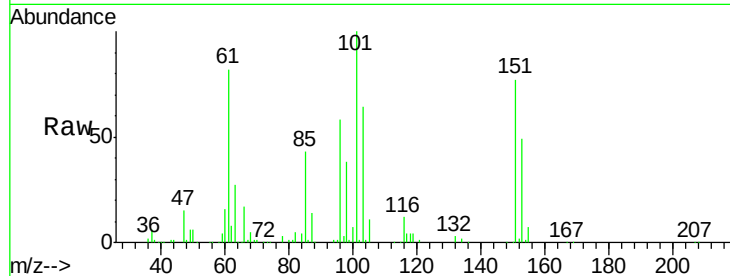
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	364579
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.2	52.8
151	77.3	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 107.618 ug/l

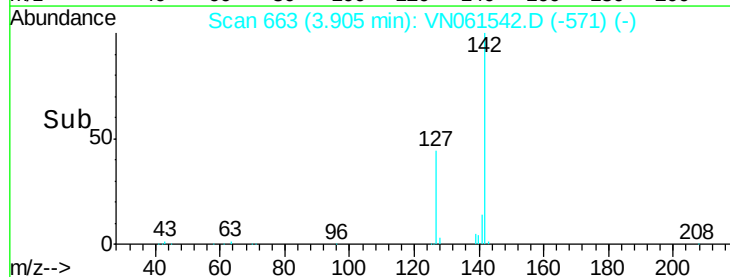
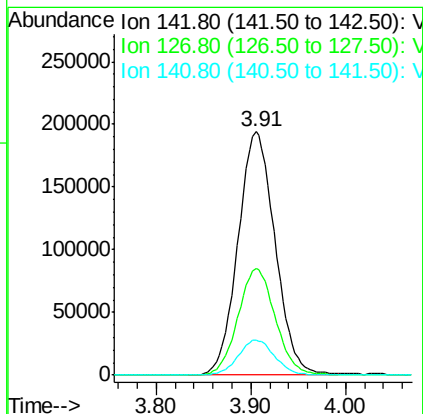
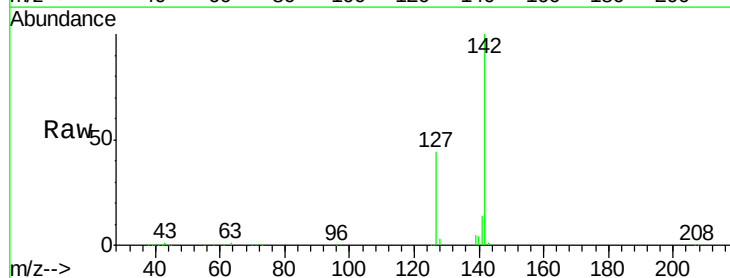
RT: 3.91 min Scan# 663

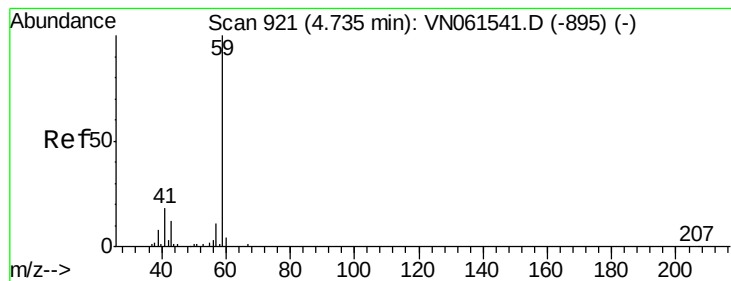
Delta R.T. -0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion:	142	Resp:	528473
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.5	53.3
141	14.2	11.5	17.3





#11

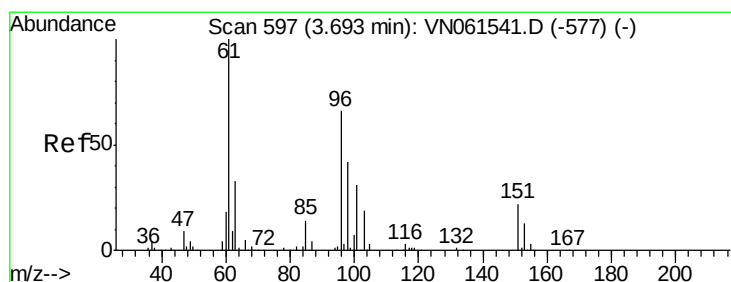
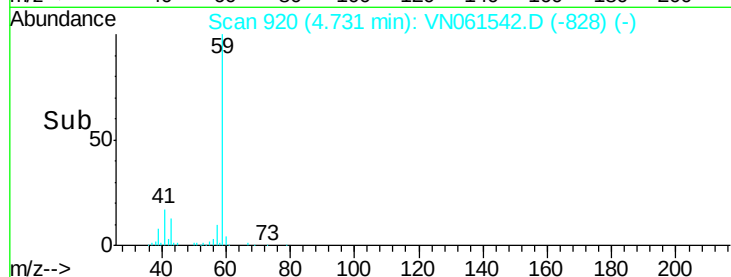
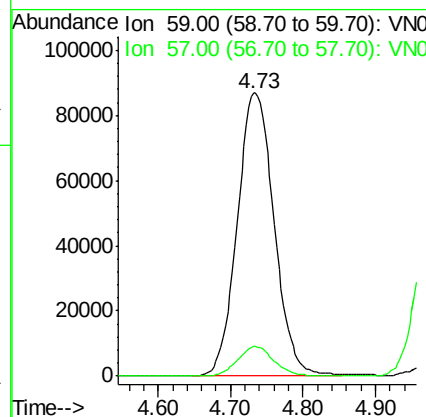
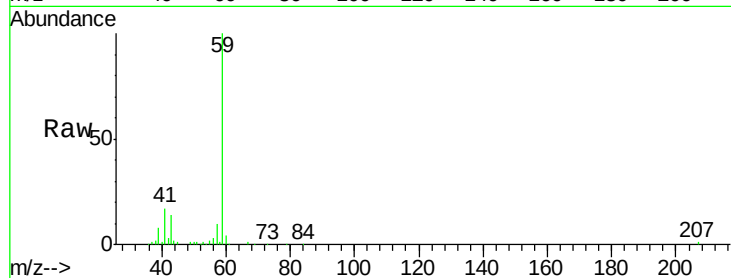
Tert butyl alcohol
Concen: 459.111 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

Manual Integrations
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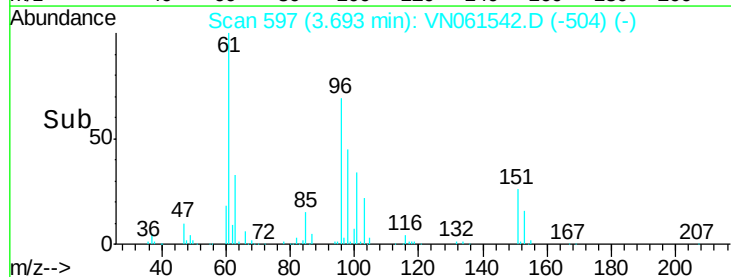
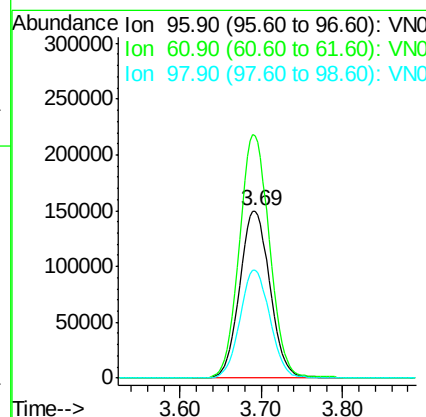
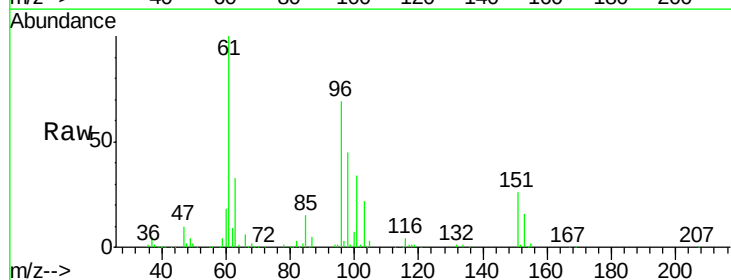
MMDadoda
5/29/2020 5:46:51 PM

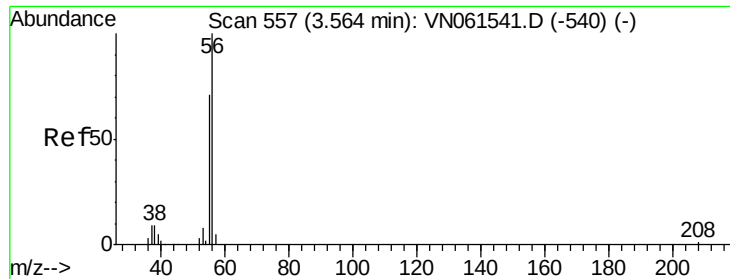


#12

1,1-Dichloroethene
Concen: 94.135 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.9	120.5	180.7
98	64.5	50.8	76.2





#13

Acrolein

Concen: 184.830 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 88275

Ion Ratio Lower Upper

56 100

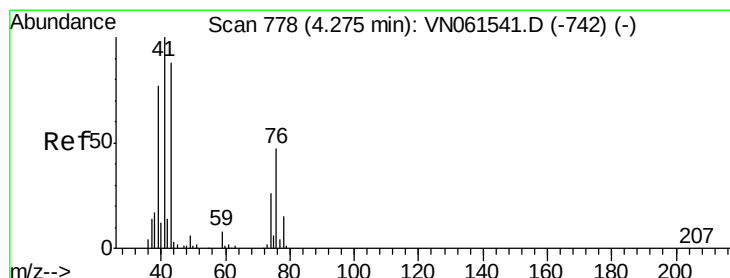
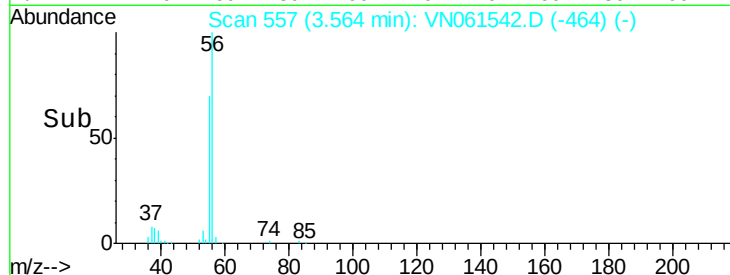
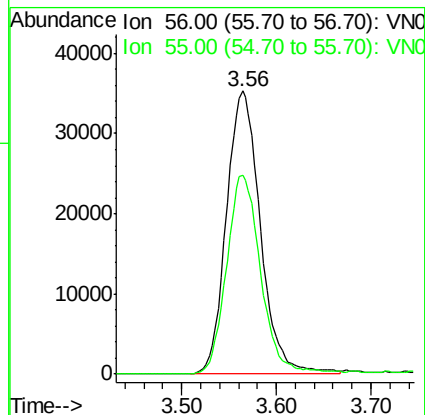
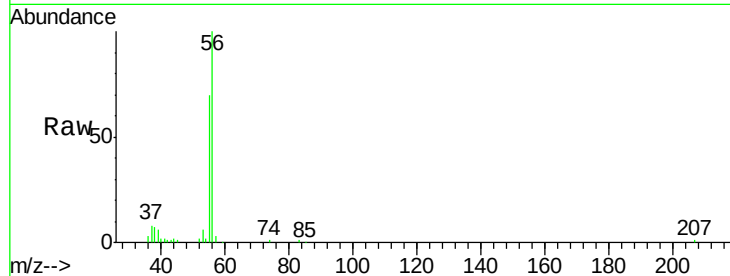
55 70.8 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 79.091 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

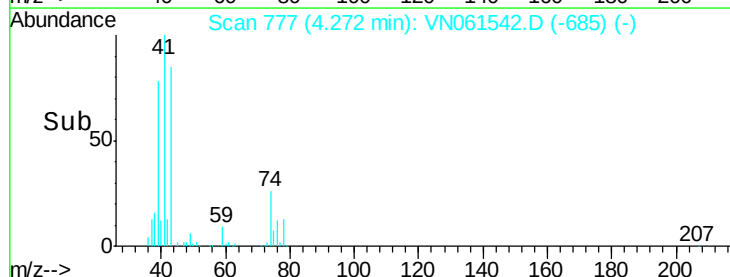
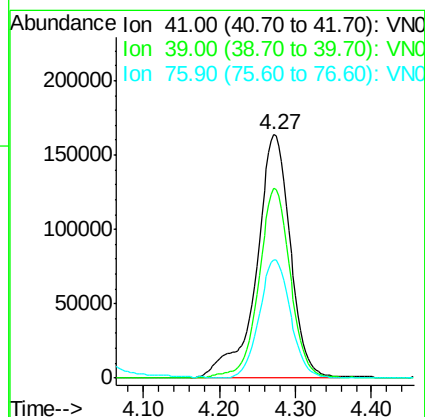
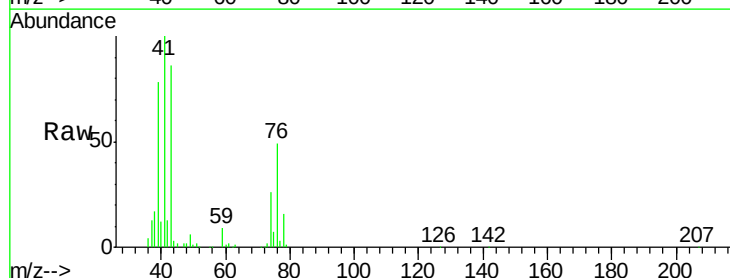
Tgt Ion: 41 Resp: 506082

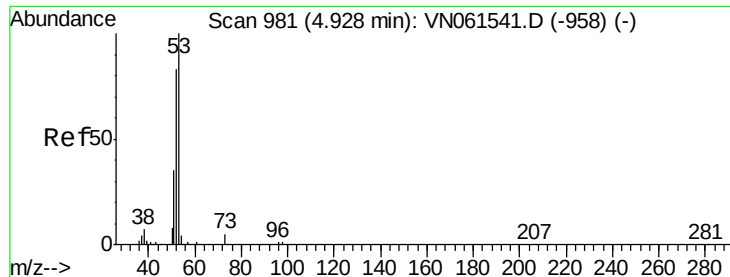
Ion Ratio Lower Upper

41 100

39 72.7 58.6 88.0

76 43.8 34.2 51.4





#15

Acrylonitrile

Concen: 442.857 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

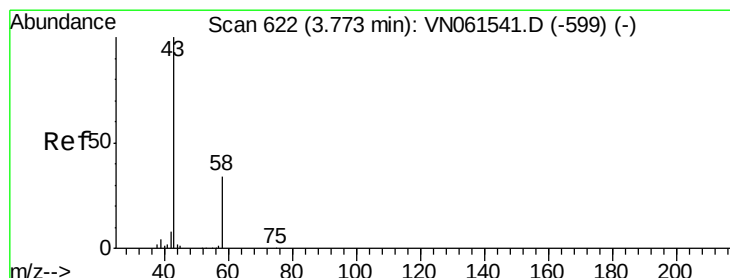
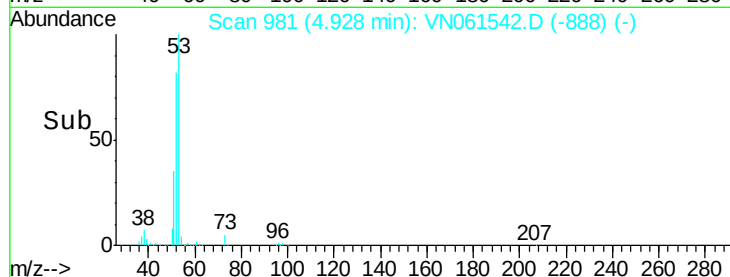
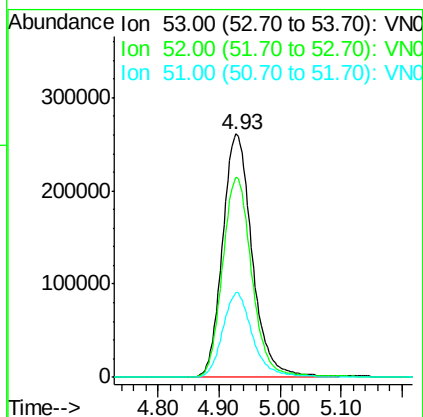
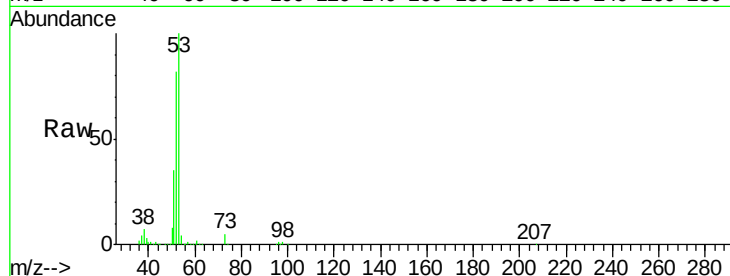
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	880916
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.4	98.2
51	35.3	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 359.187 ug/l

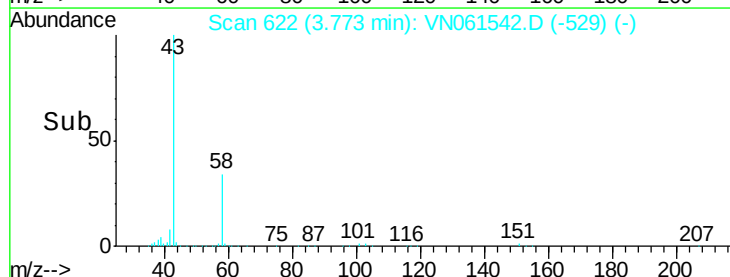
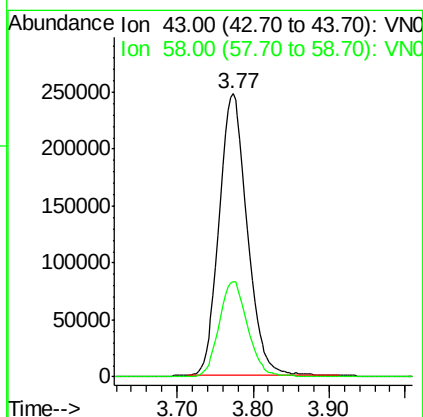
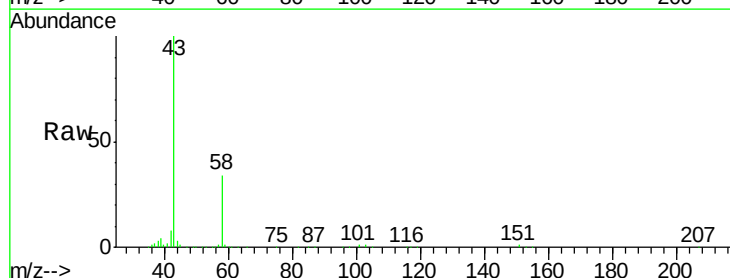
RT: 3.77 min Scan# 622

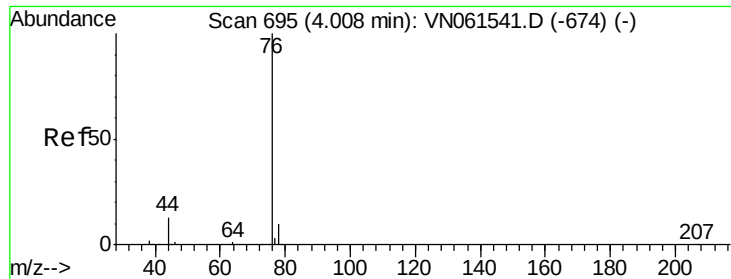
Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion:	43	Resp:	637731
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.2	40.8





#17

Carbon Disulfide

Concen: 80.733 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 812007

Ion Ratio Lower Upper

76 100

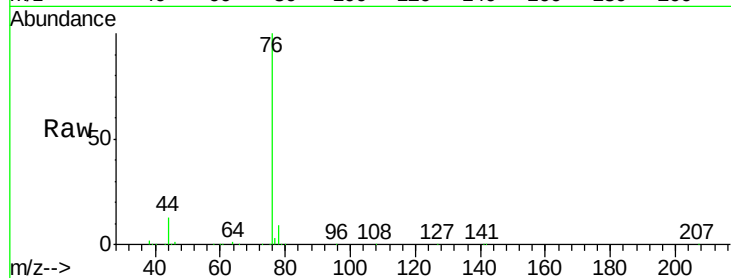
78 9.0 7.8 11.6

Manual Integrations

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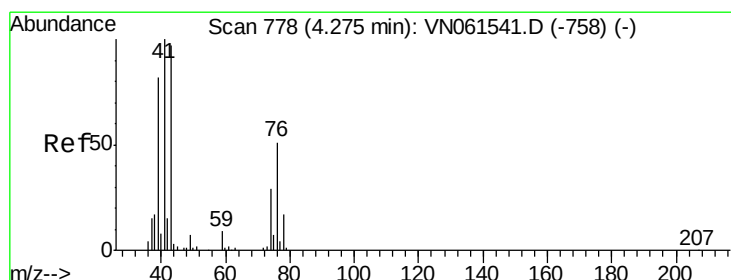
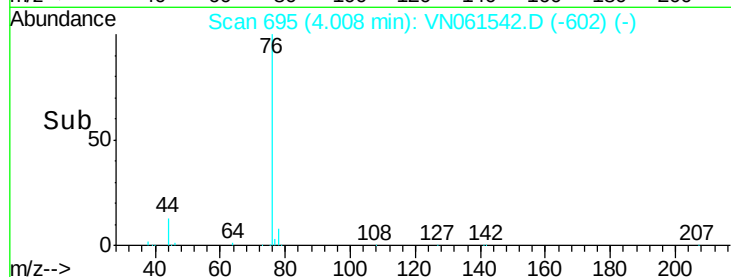
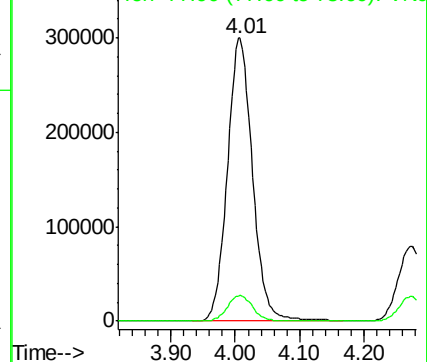
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 88.509 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061542.D

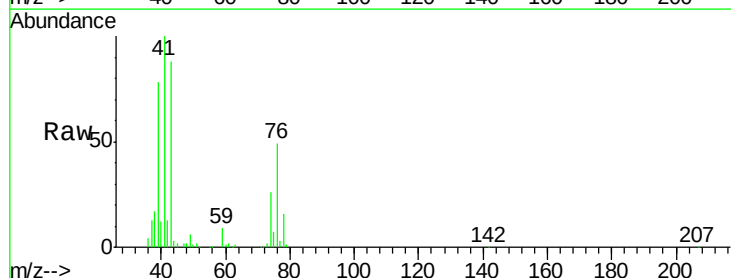
Acq: 28 May 2020 19:19

Tgt Ion: 43 Resp: 404736

Ion Ratio Lower Upper

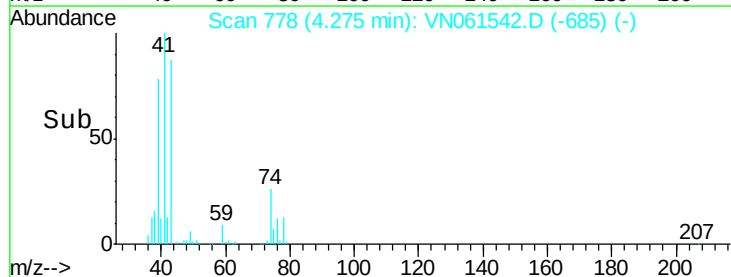
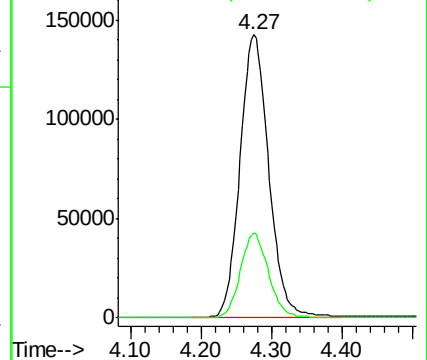
43 100

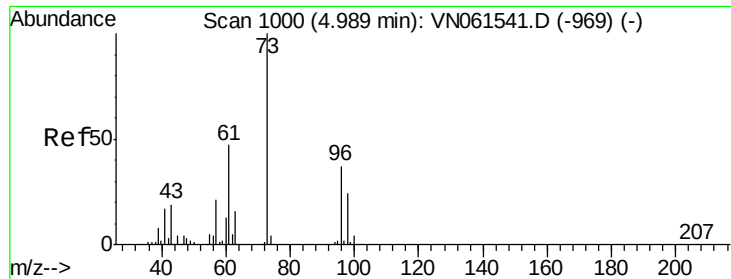
74 29.4 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





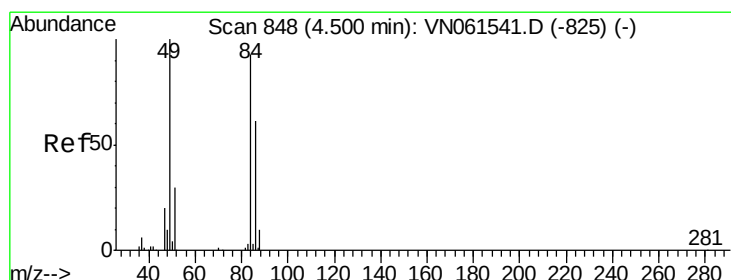
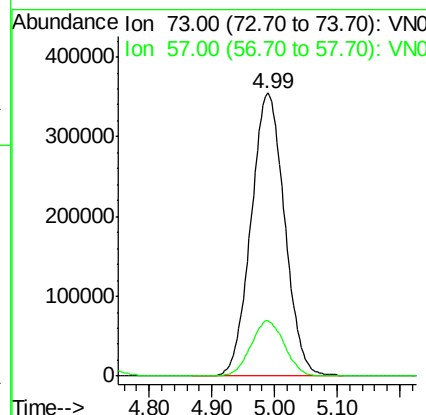
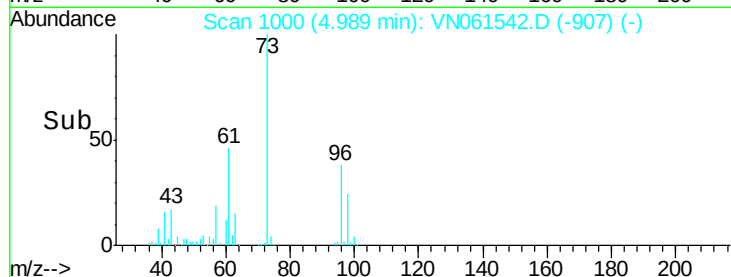
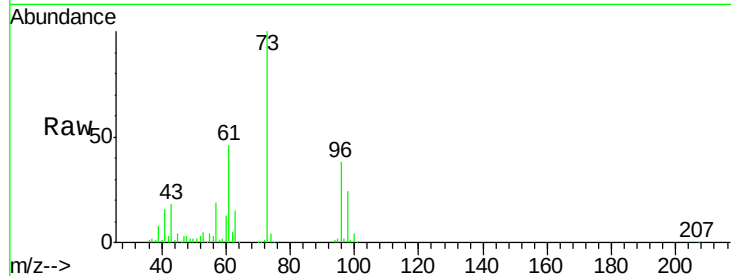
#19
Methvl tert-butvl Ether
Concen: 86.607 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1320640
Ion Ratio Lower Upper
73 100
57 19.5 16.4 24.6

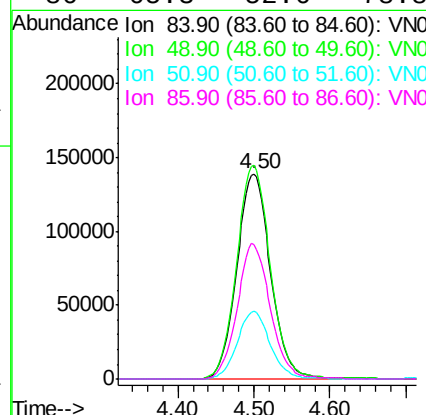
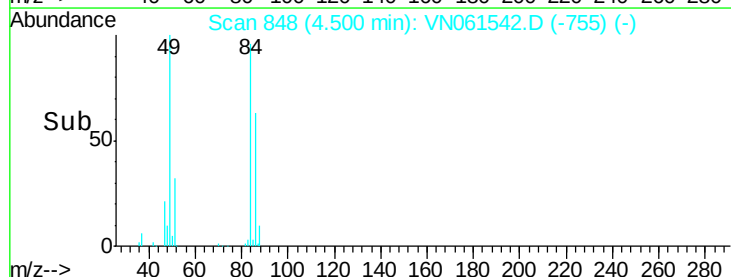
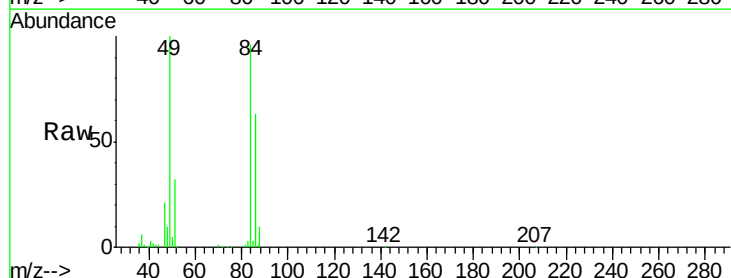
Manual Integrations
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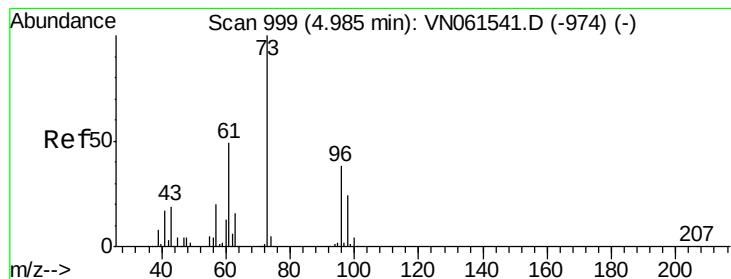
MMDadoda
5/29/2020 5:46:51 PM



#20
Methylene Chloride
Concen: 88.493 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 84 Resp: 428831
Ion Ratio Lower Upper
84 100
49 104.0 85.8 128.8
51 32.9 26.2 39.2
86 65.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 93.142 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 435157

Ion Ratio Lower Upper

96 100

61 123.3 101.4 152.0

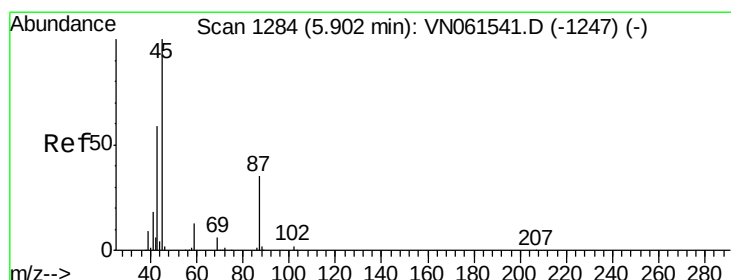
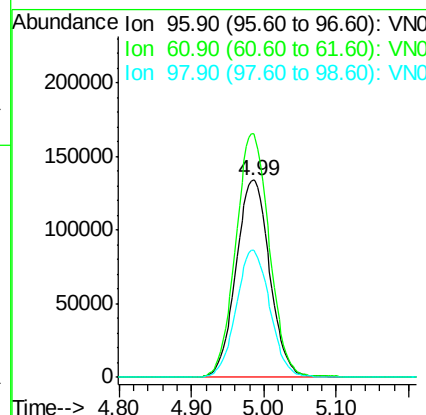
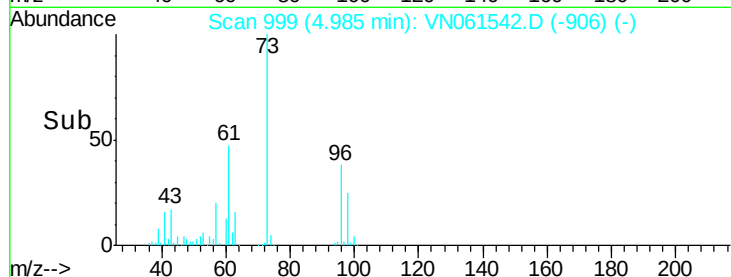
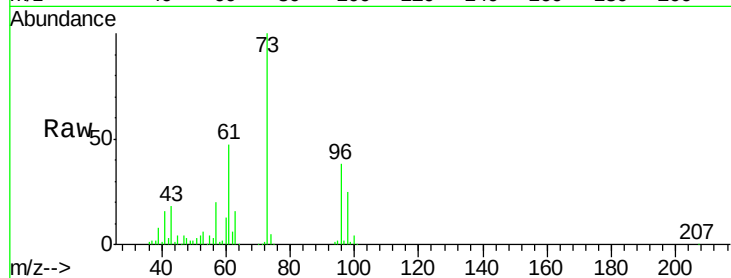
98 64.6 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 78.736 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion: 45 Resp: 1135850

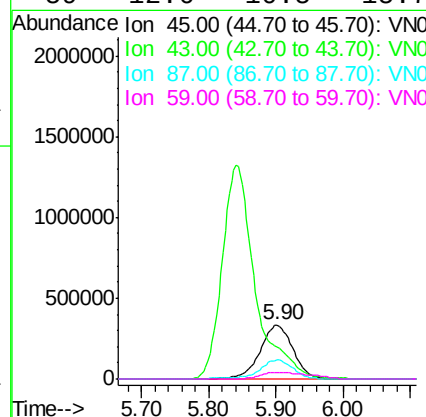
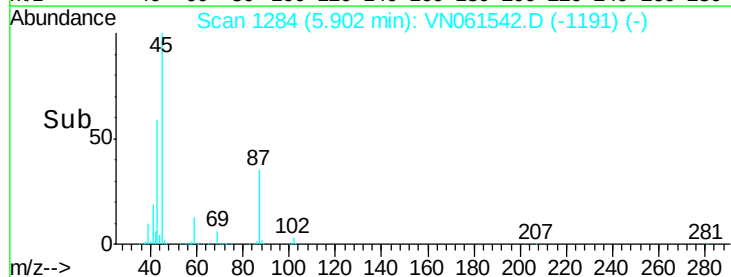
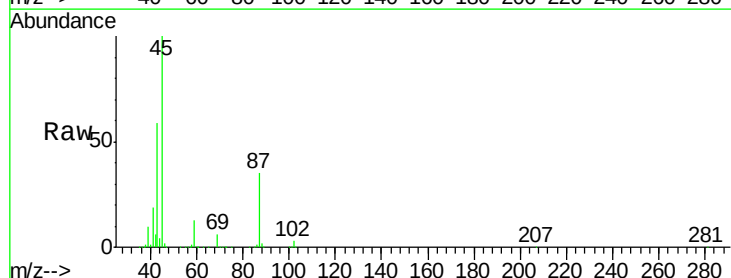
Ion Ratio Lower Upper

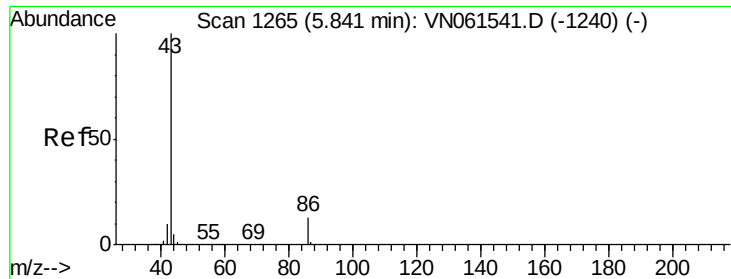
45 100

43 58.1 47.9 71.9

87 34.7 28.4 42.6

59 12.6 10.5 15.7





#23

Vinyl Acetate

Concen: 394.067 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4519583

Ion Ratio Lower Upper

43 100

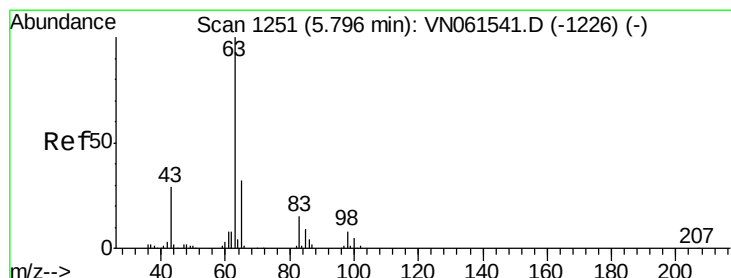
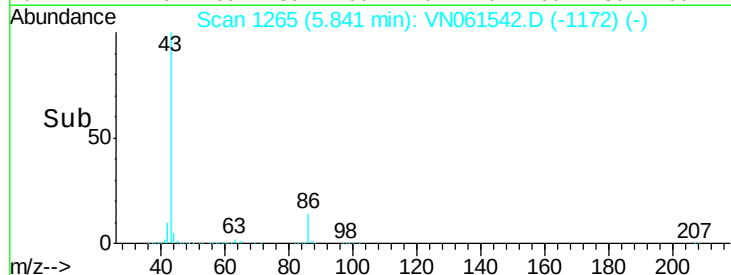
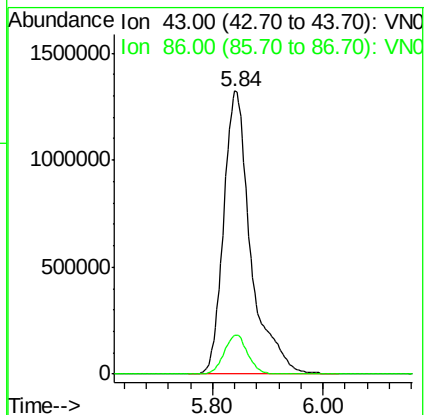
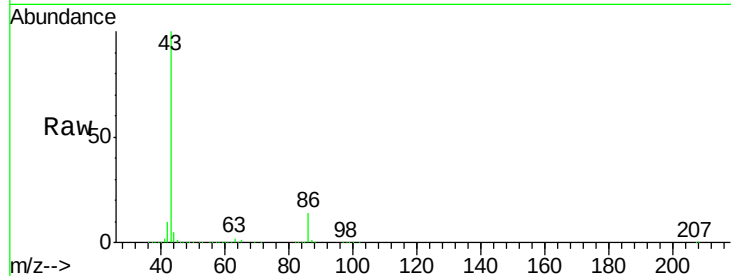
86 13.9 10.6 16.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 83.403 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

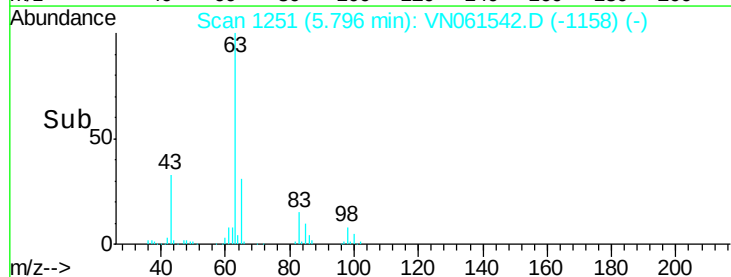
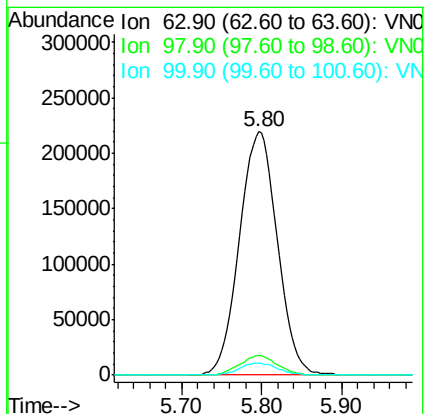
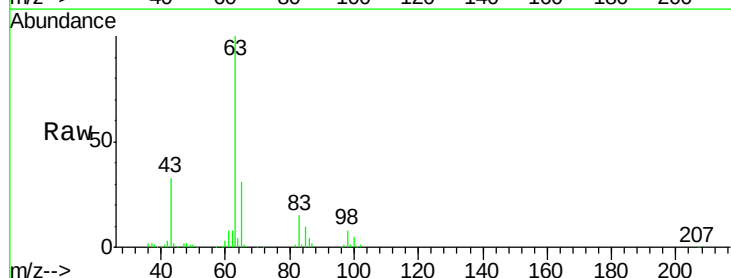
Tgt Ion: 63 Resp: 708191

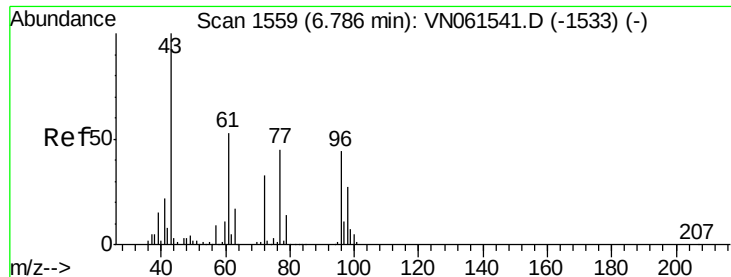
Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.4

100 4.8 2.5 7.6





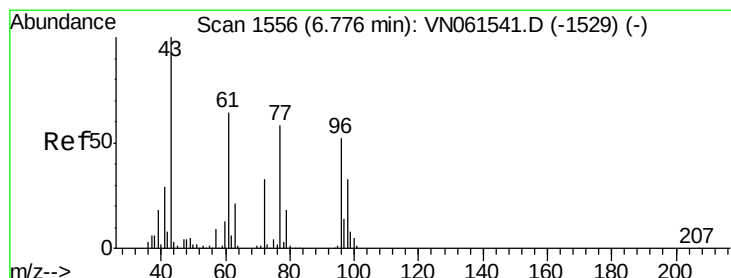
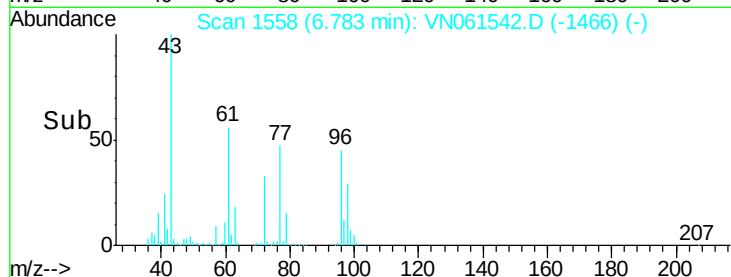
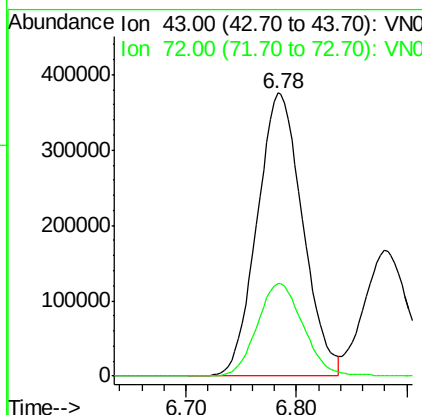
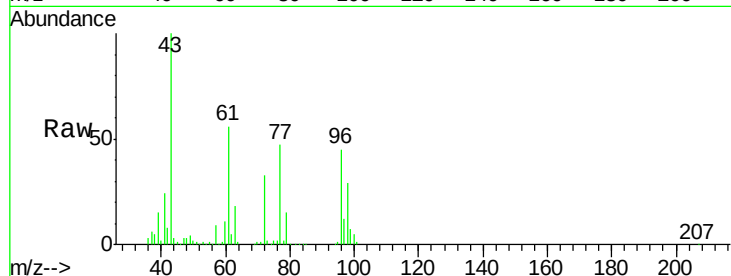
#25
 2-Butanone
 Concen: 407.293 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1072965
 Ion Ratio Lower Upper
 43 100
 72 33.0 26.0 39.0

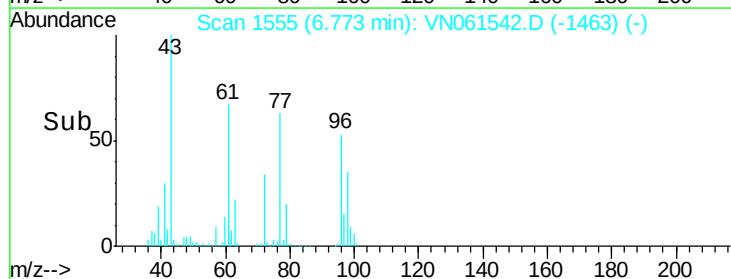
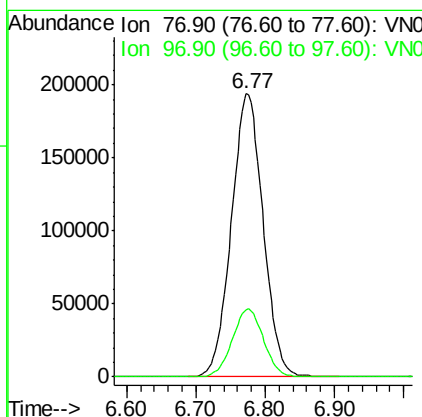
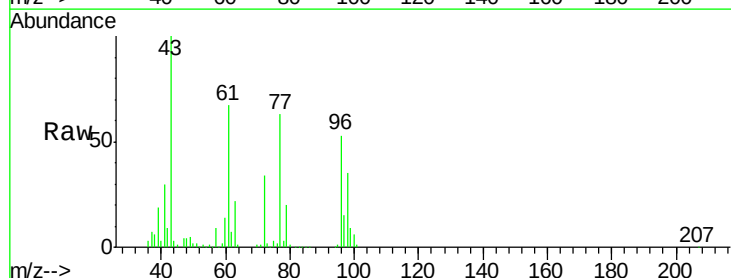
Manual Integrations
 APPROVED

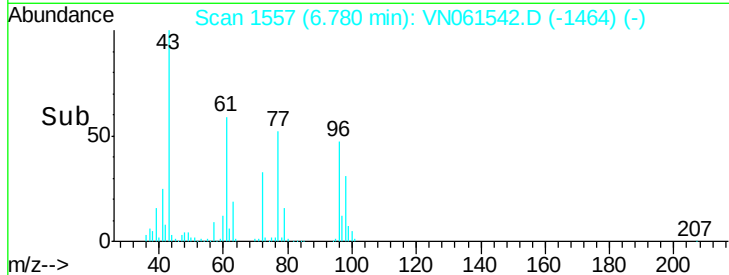
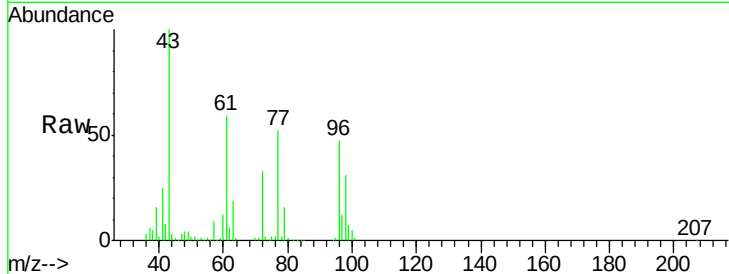
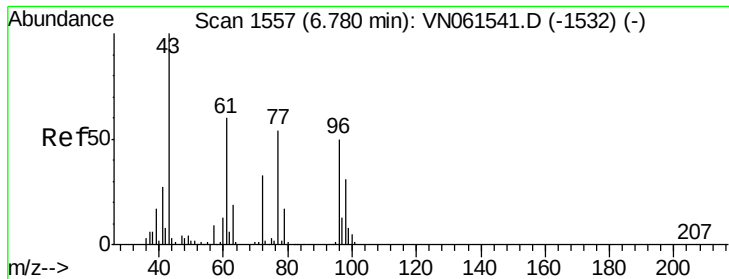
MMDadoda
 5/29/2020 5:46:51 PM



#26
 2,2-Dichloropropane
 Concen: 76.815 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 77 Resp: 618225
 Ion Ratio Lower Upper
 77 100
 97 23.6 12.0 36.0





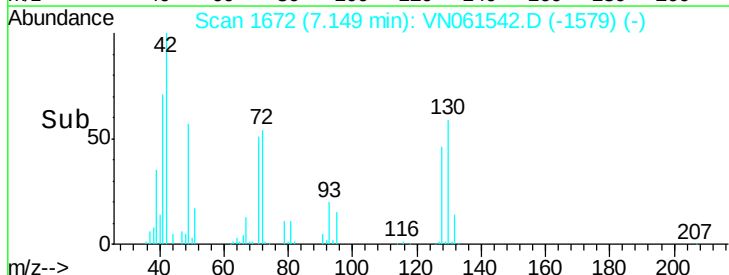
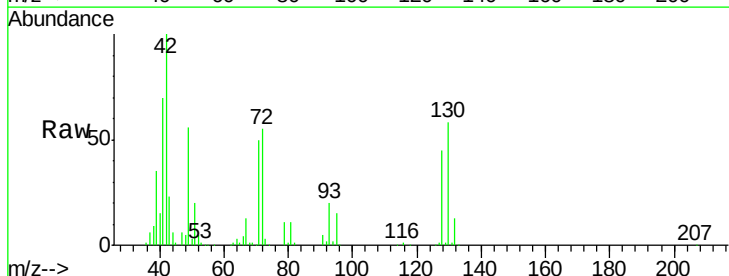
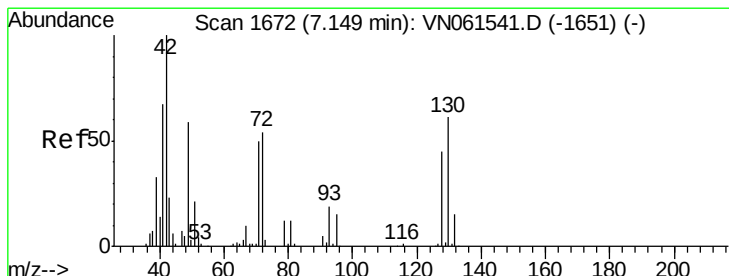
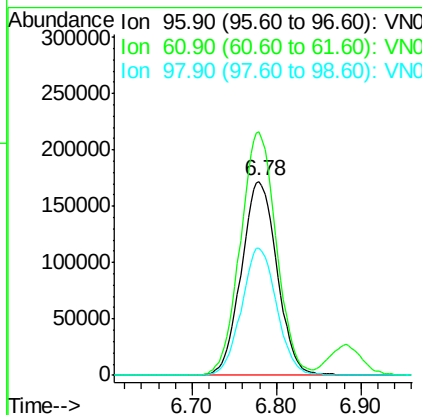
#27
 cis-1,2-Dichloroethene
 Concen: 91.785 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	126.4	0.0	252.2	
98	64.7	0.0	129.2	

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

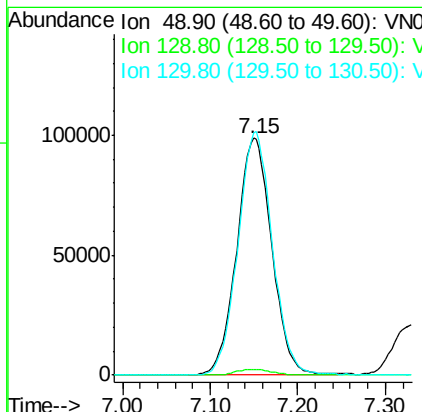
Manual Integrations
 APPROVED

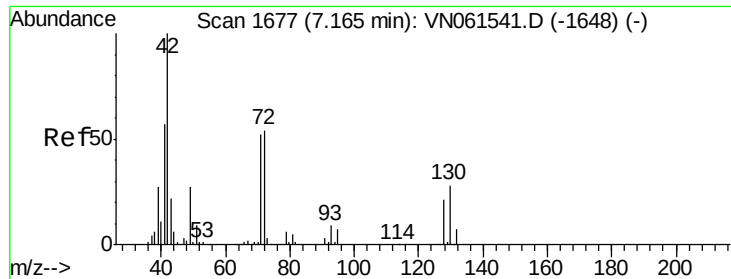
MMDadoda
 5/29/2020 5:46:51 PM



#28
 Bromochloromethane
 Concen: 78.368 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	100.7	78.8	118.2	





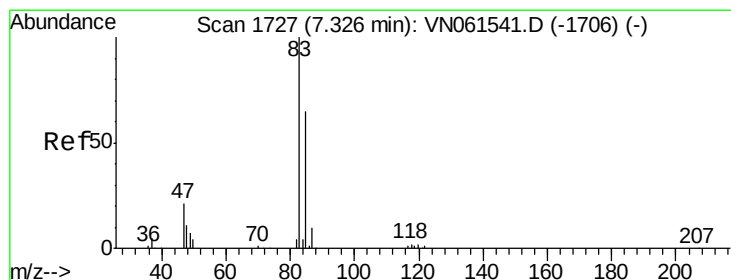
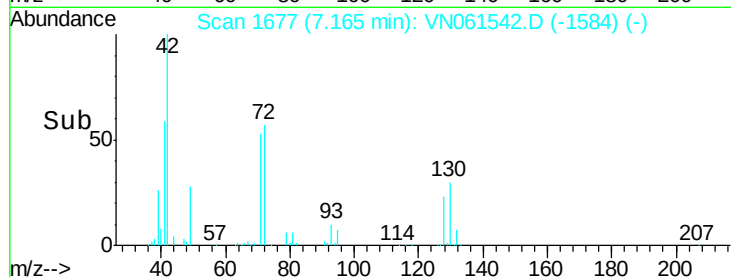
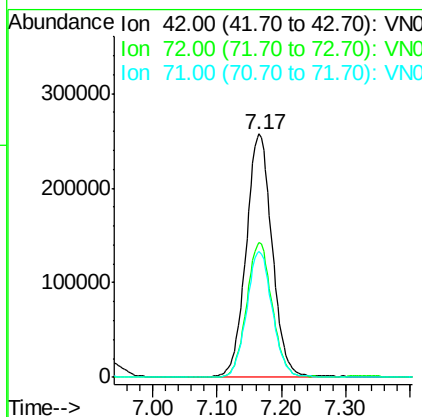
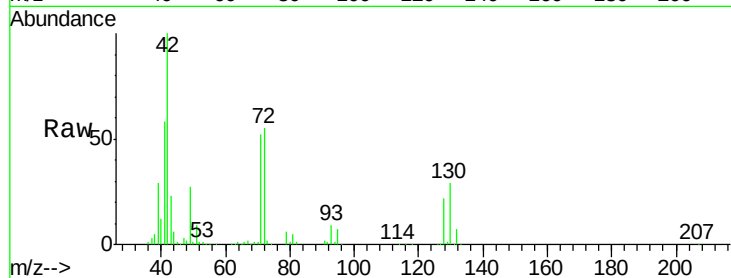
#29
Tetrahydrofuran
Concen: 412.760 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.3	43.6	65.4
71	51.1	41.2	61.8

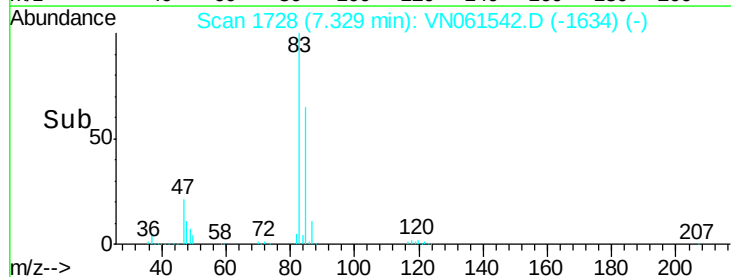
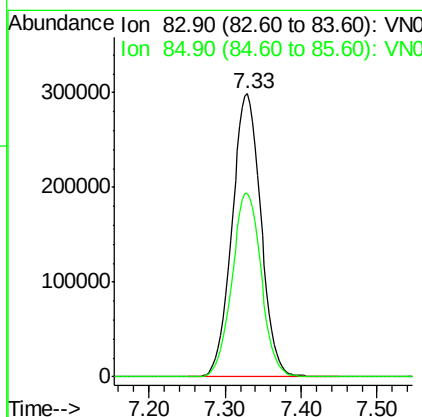
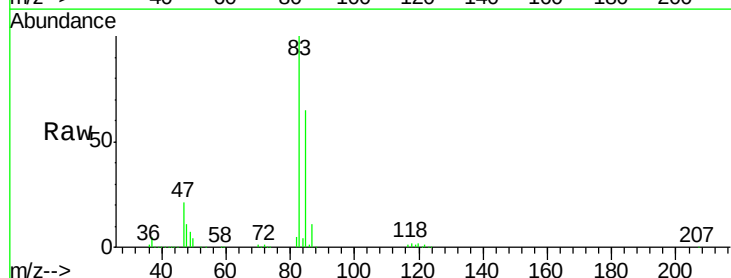
Manual Integrations
APPROVED

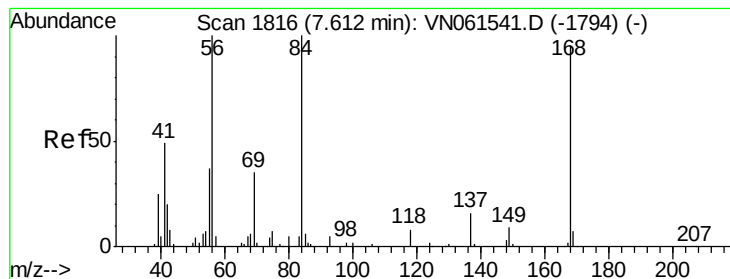
MMDadoda
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#30
Chloroform
Concen: 88.464 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5





#31

Cyclohexane

Concen: 77.603 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

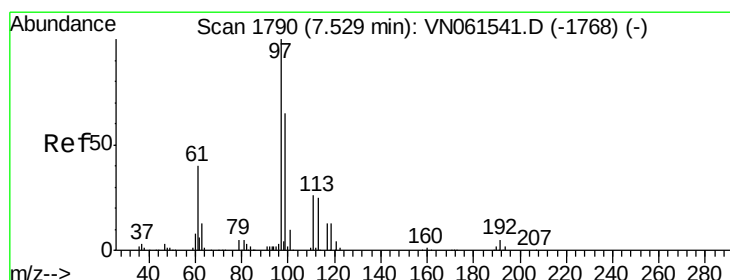
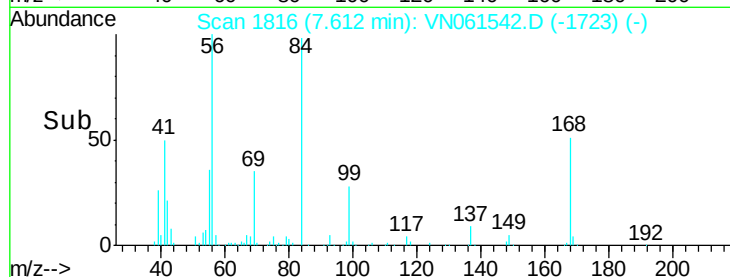
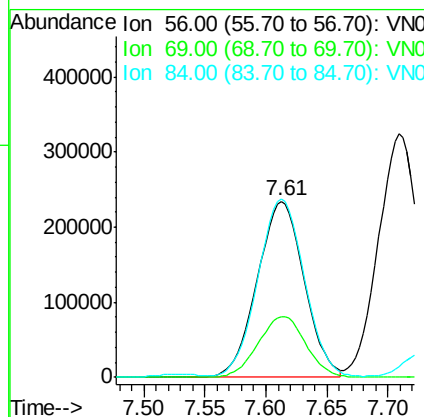
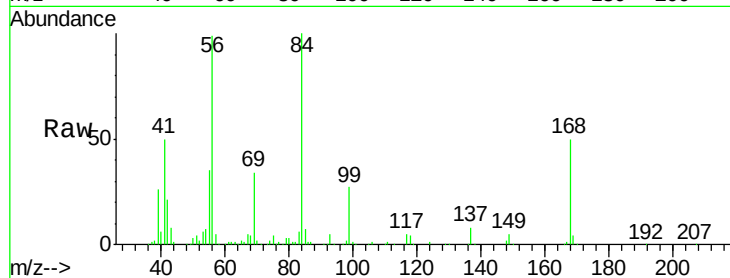
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	626434
Ion Ratio	Lower	Upper	
56	100		
69	34.7	27.8	41.8
84	99.6	79.9	119.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 89.305 ug/l

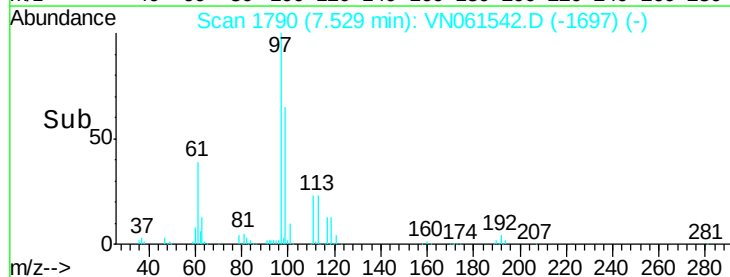
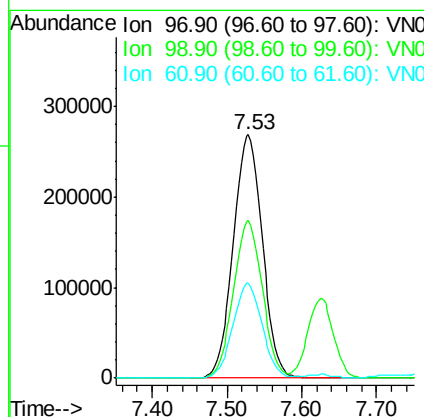
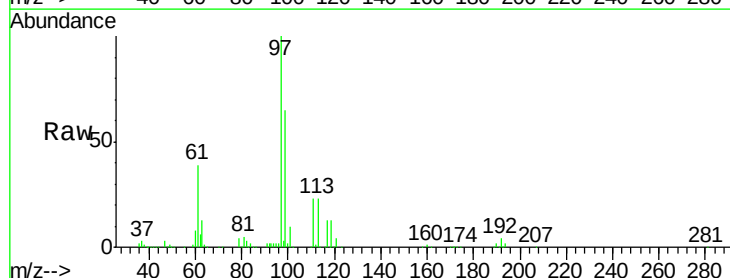
RT: 7.53 min Scan# 1790

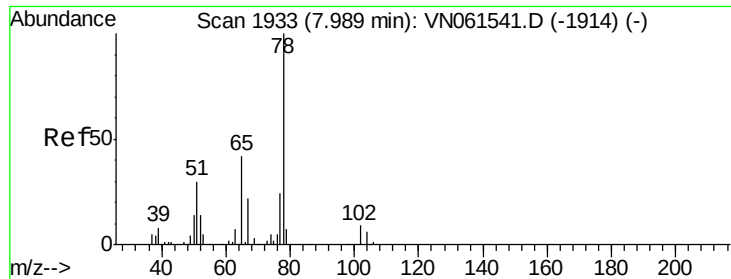
Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion:	97	Resp:	728610
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.4	77.0
61	38.9	31.4	47.0





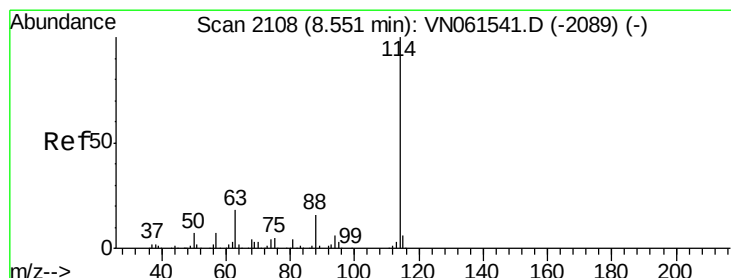
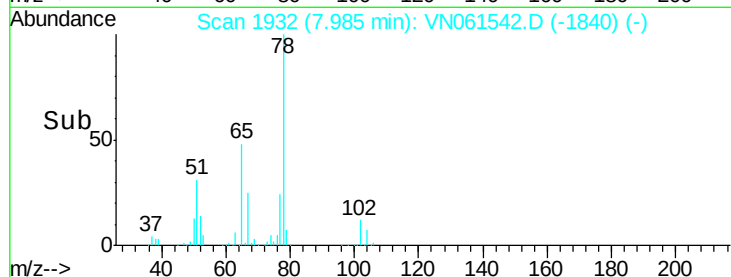
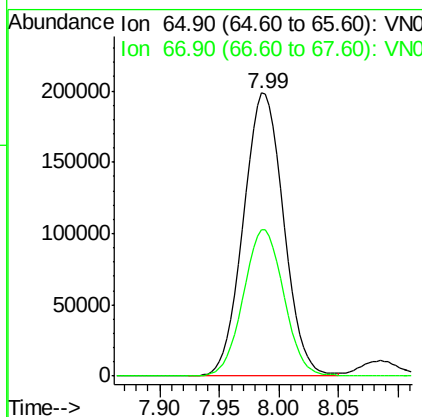
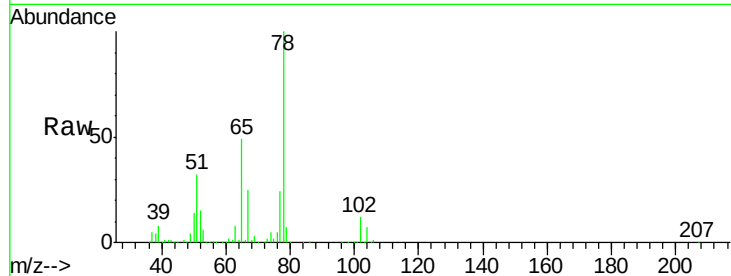
#33
 1,2-Dichloroethane-d4
 Concen: 80.553 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	466421		
67	52.1	0.0	104.8	

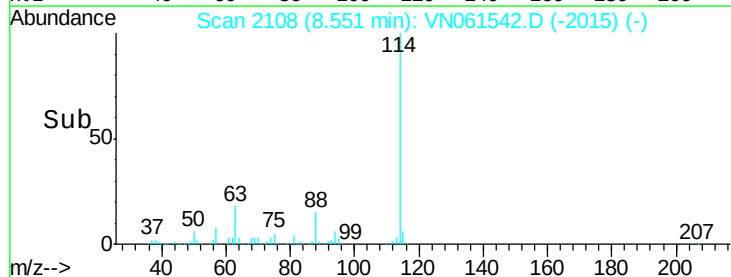
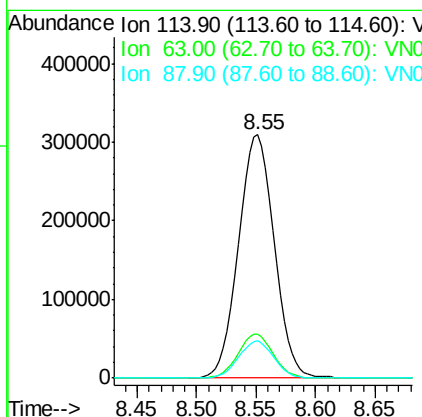
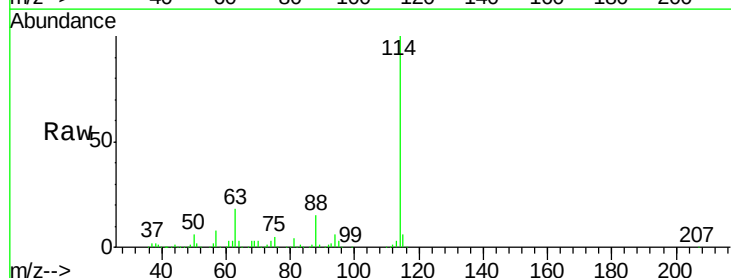
Manual Integrations
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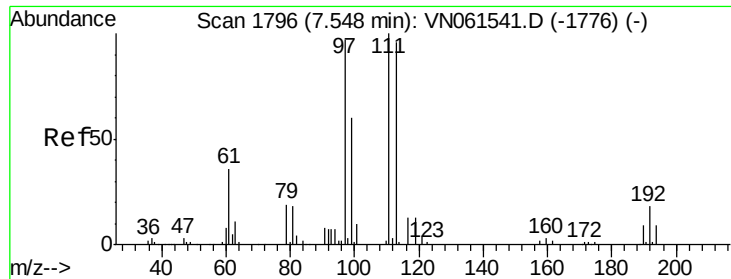
MMDadoda
 5/29/2020 5:46:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	645848		
63	17.9	0.0	35.8	
88	15.2	0.0	31.0	





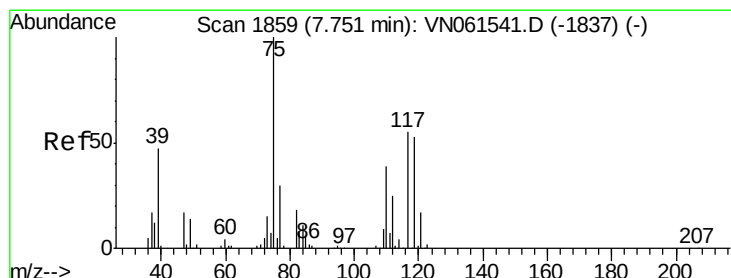
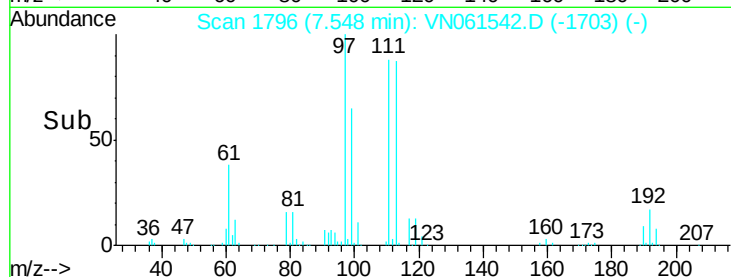
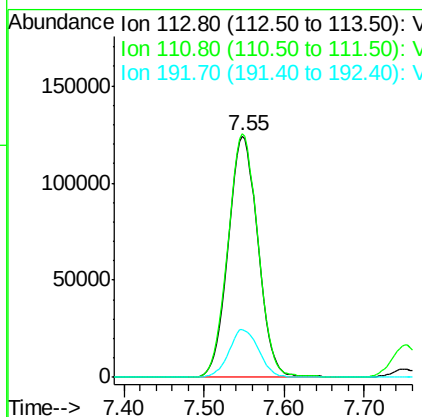
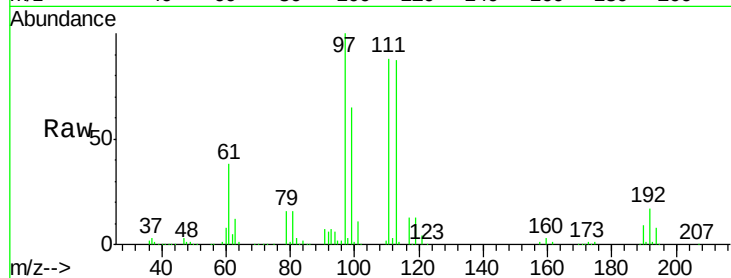
#35
 Dibromofluoromethane
 Concen: 92.254 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	313772		
111	101.3	83.4	125.0	
192	19.7	15.4	23.2	

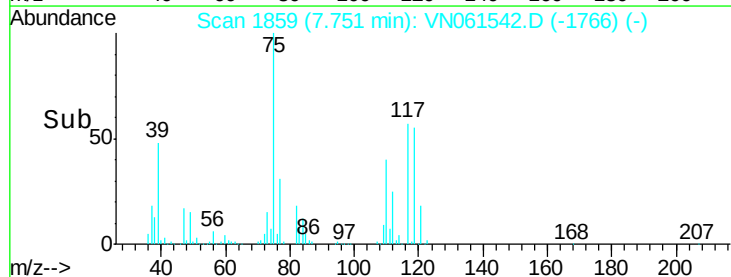
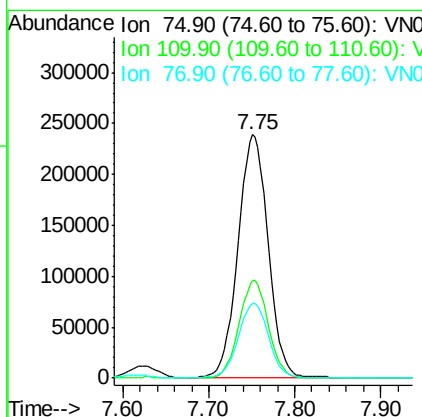
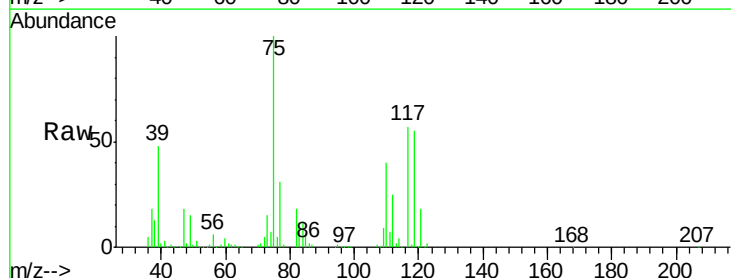
Manual Integrations
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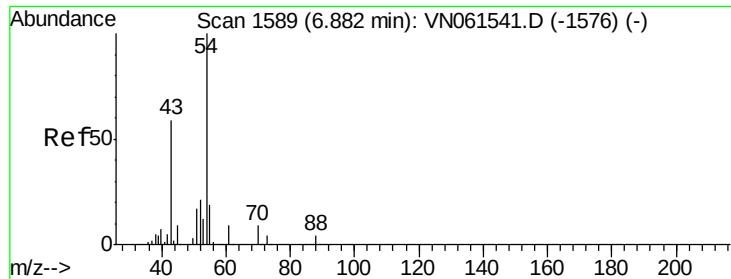
MMDadoda
 5/29/2020 5:46:51 PM



#36
 1,1-Dichloropropene
 Concen: 97.456 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	579912		
110	39.0	19.5	58.5	
77	31.2	24.7	37.1	





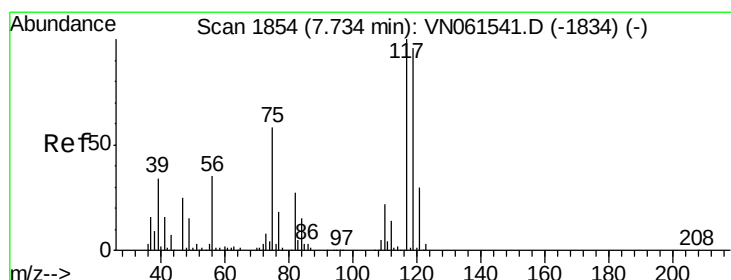
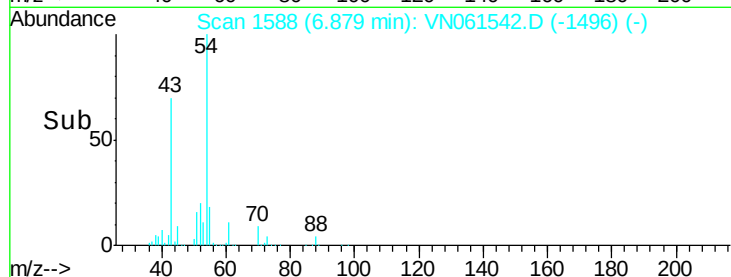
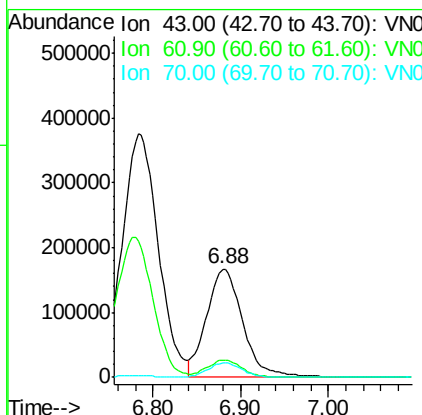
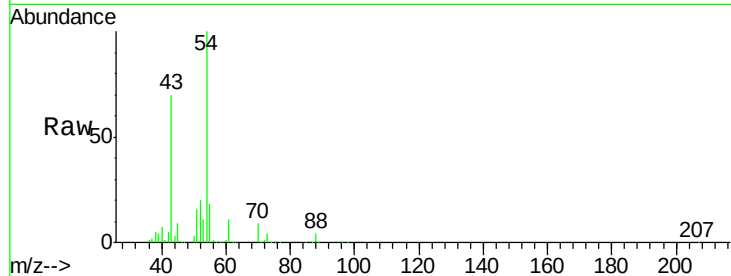
#37
Ethyl Acetate
Concen: 87.952 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.4
70	12.6	9.4	14.2

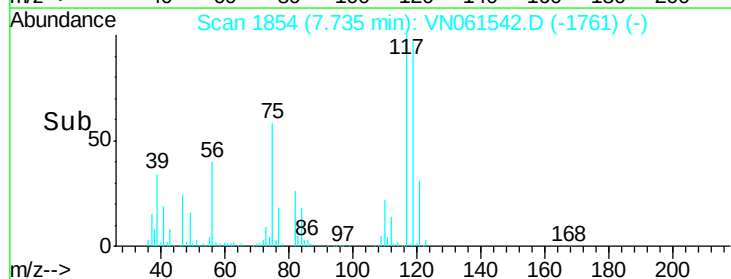
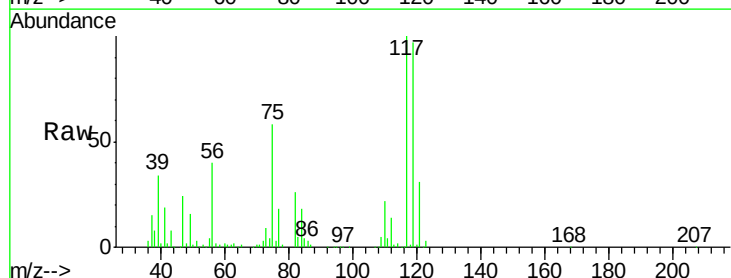
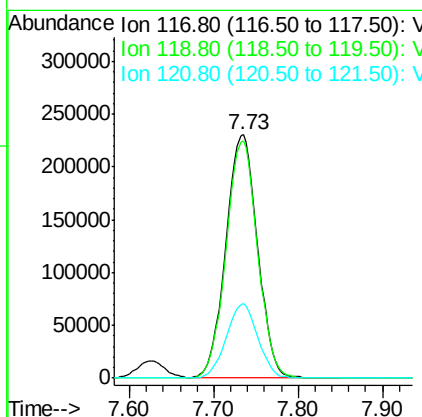
Manual Integrations
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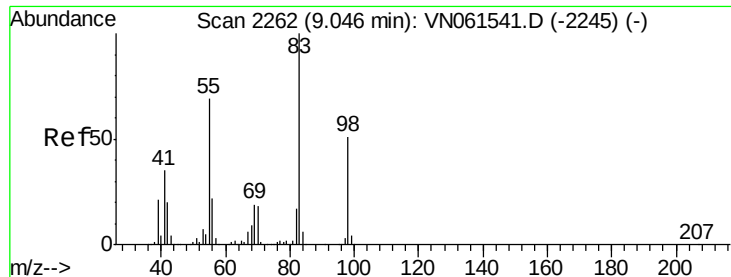
MMDadoda
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#38
Carbon Tetrachloride
Concen: 108.780 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.5	114.7
121	30.6	24.1	36.1





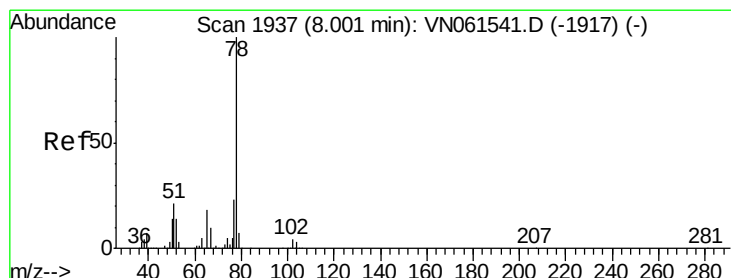
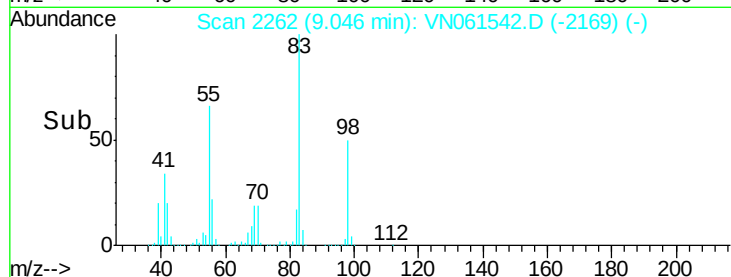
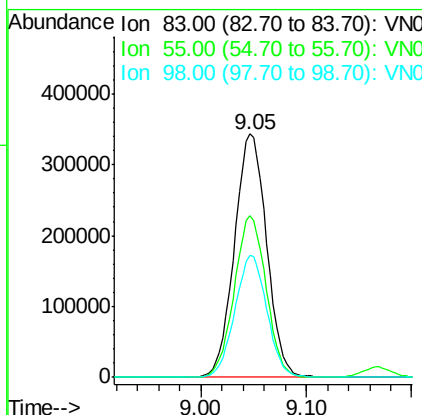
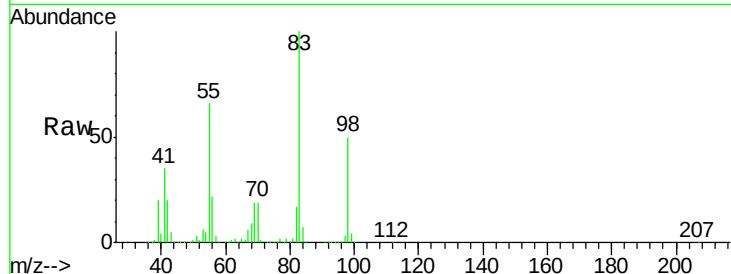
#39
Methylvlcyclohexane
Concen: 100.002 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.2	54.9	82.3	
98	49.9	41.0	61.4	

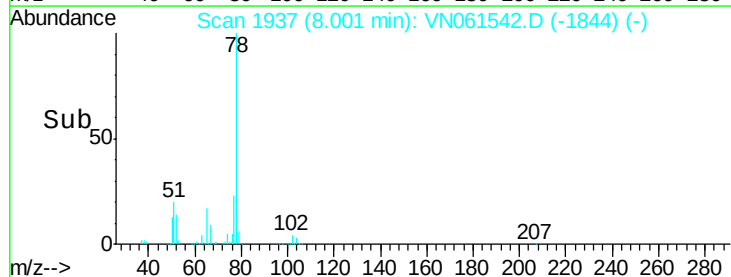
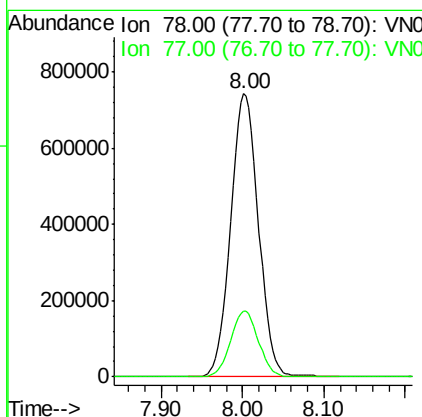
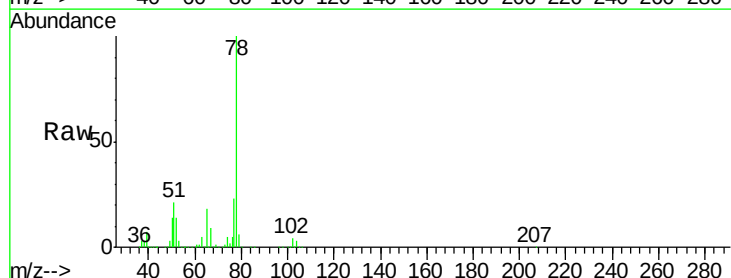
Manual Integrations
APPROVED

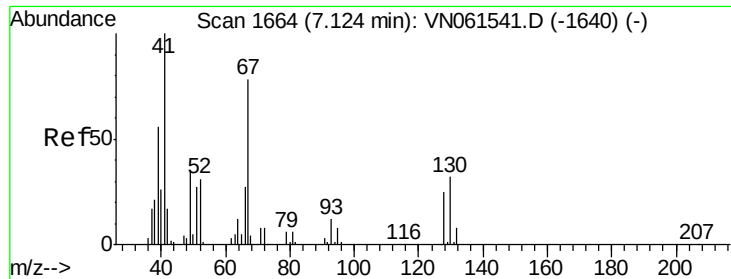
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#40
Benzene
Concen: 98.506 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.6	28.0	





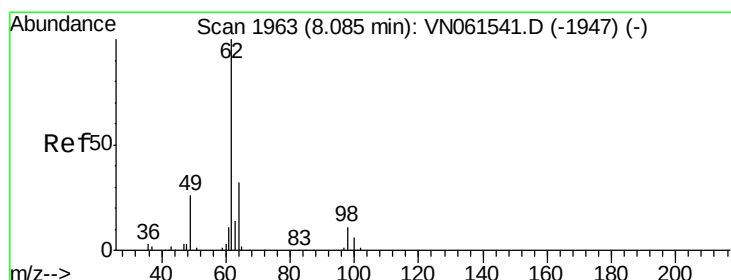
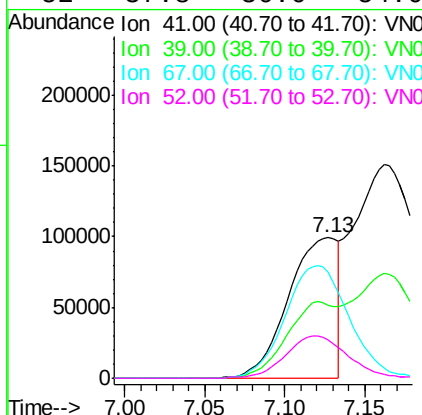
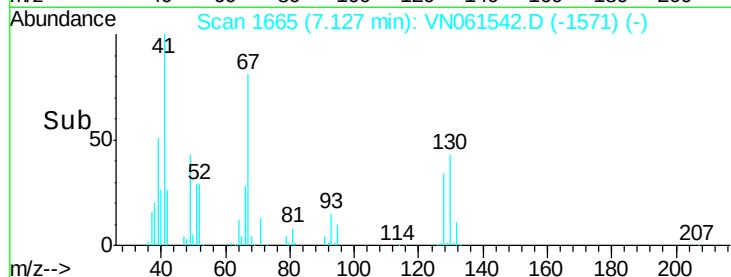
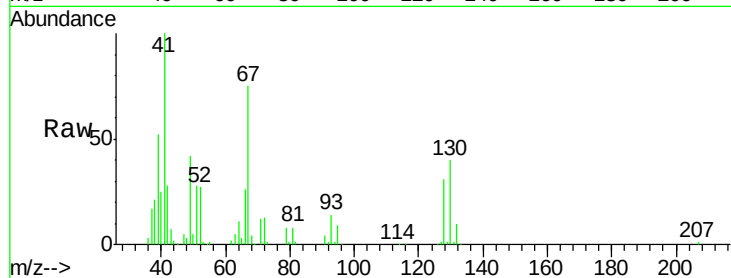
#41
Methacrylonitrile
Concen: 96.502 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.8	53.8	80.6#
67	104.5	91.1	136.7
52	37.8	36.0	54.0

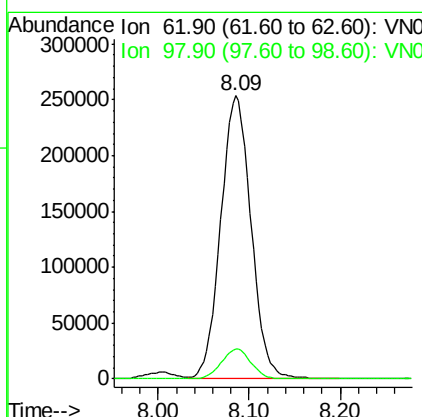
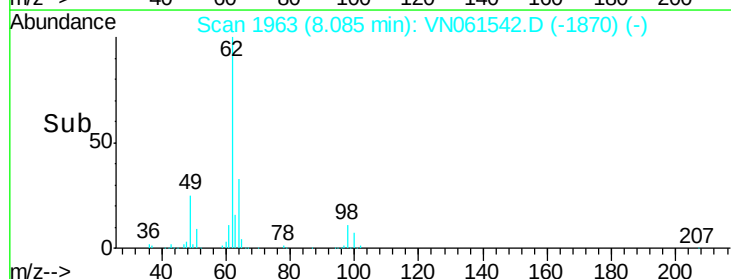
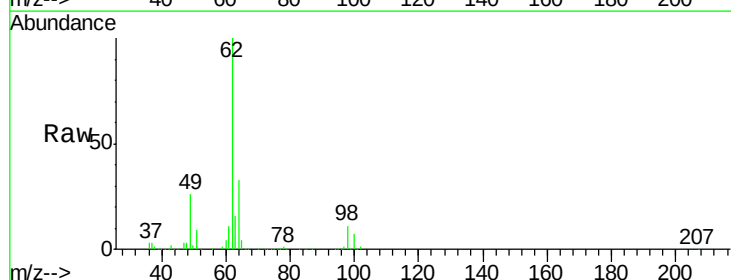
Manual Integrations
APPROVED

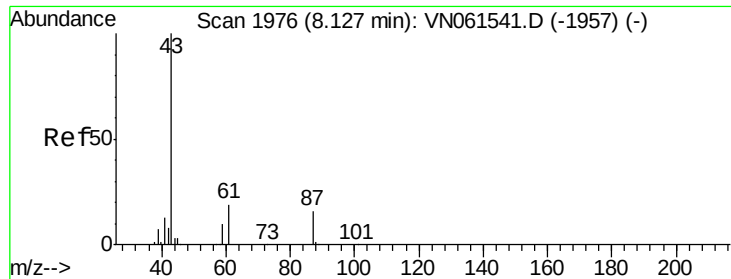
MMDadoda
5/29/2020 5:46:51 PM



#42
1,2-Dichloroethane
Concen: 91.331 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.4





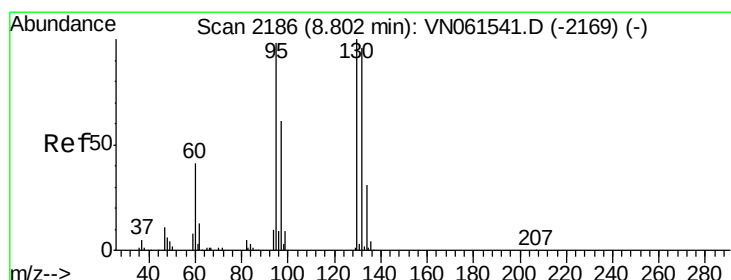
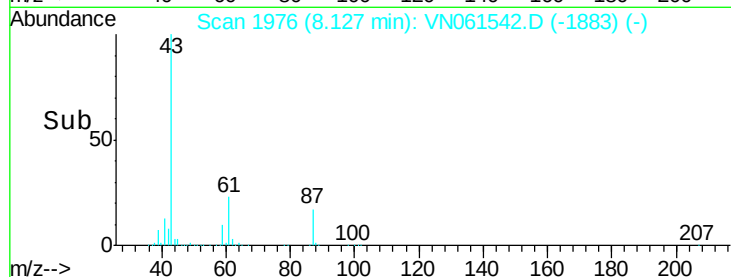
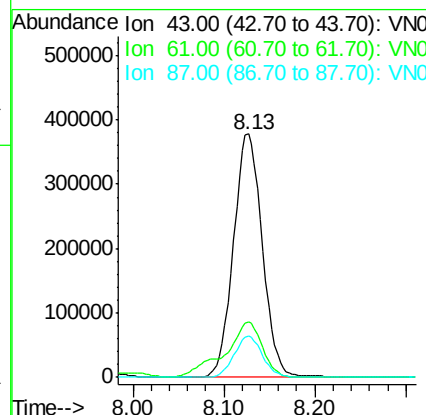
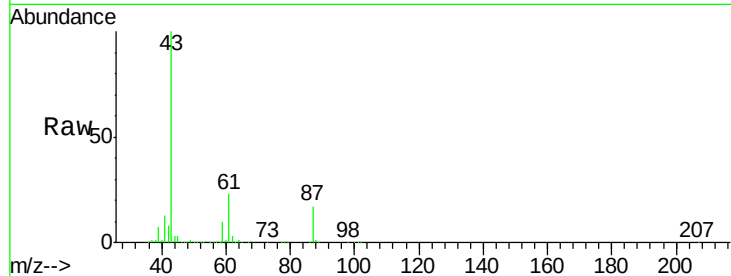
#43
Isopropyl Acetate
Concen: 89.052 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.6	35.4
87	16.8	13.0	19.6

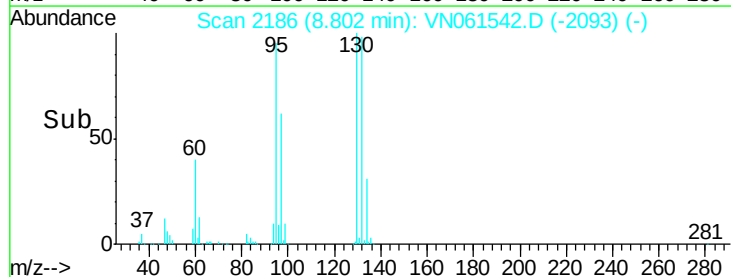
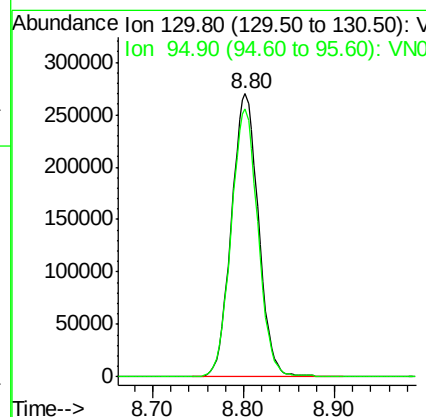
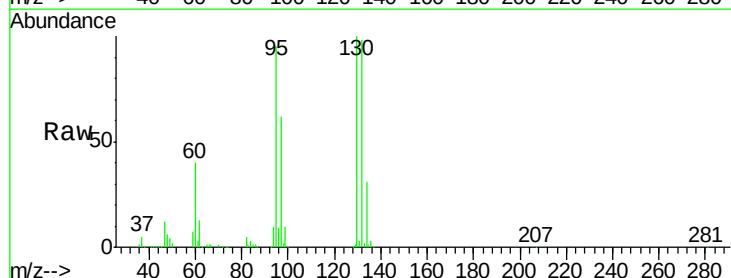
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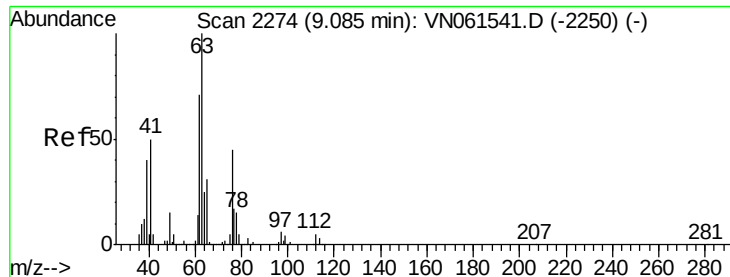
MMDadoda
5/29/2020 5:46:51 PM



#44
Trichloroethene
Concen: 114.579 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	196.6





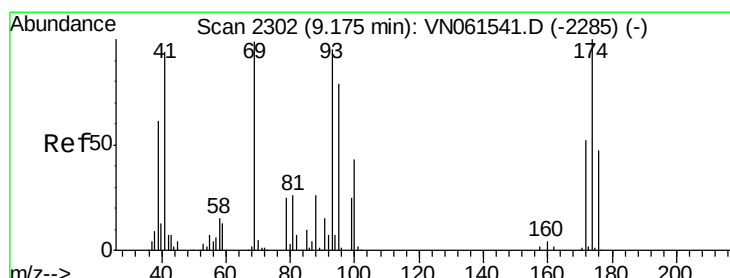
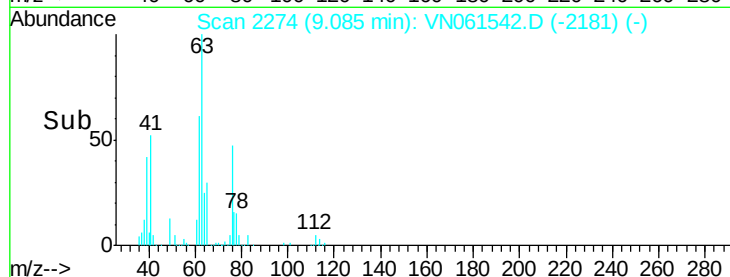
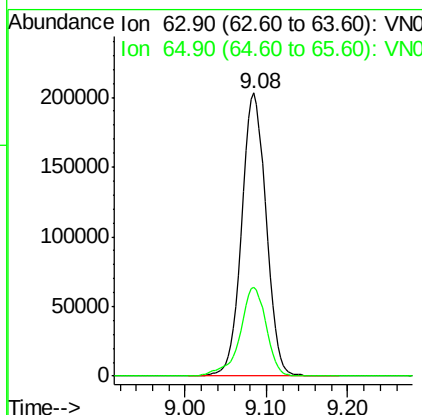
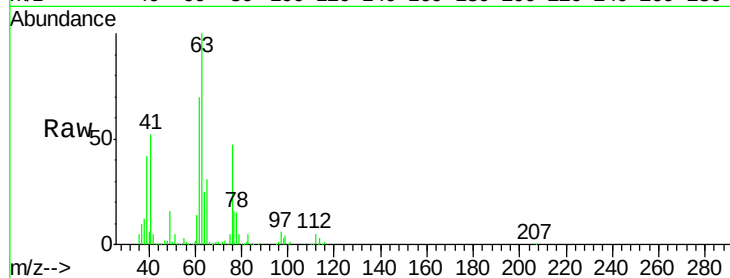
#45
 1,2-Dichloropropane
 Concen: 93.845 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

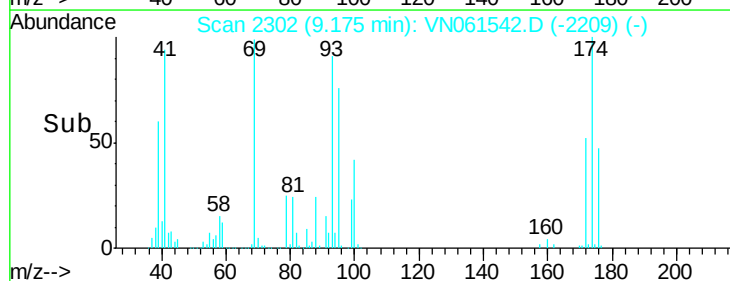
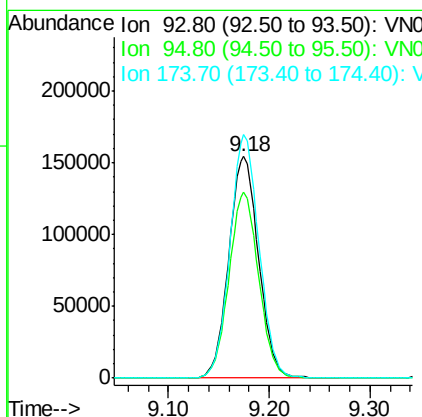
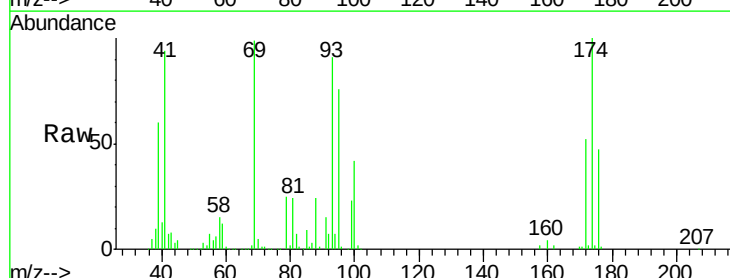
Manual Integrations
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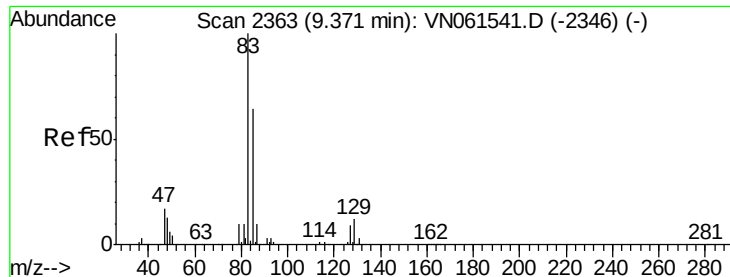
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#46
 Dibromomethane
 Concen: 100.142 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.0	99.0
174	107.2	82.5	123.7





#47

Bromodichloromethane

Concen: 98.519 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

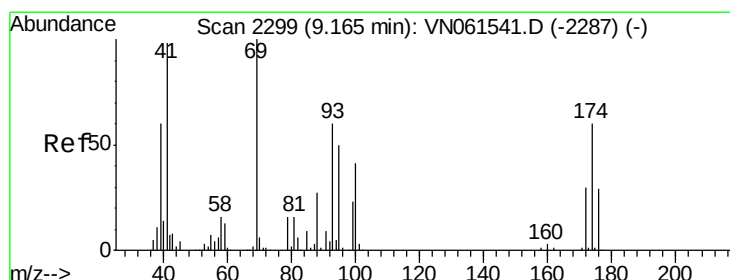
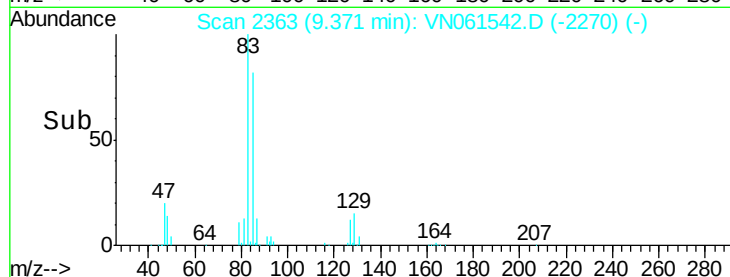
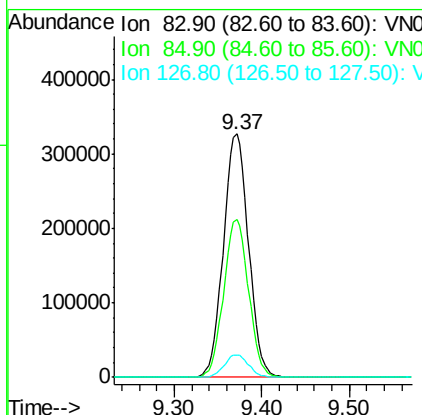
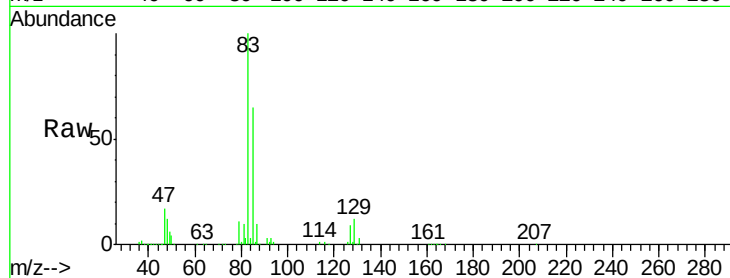
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	651944
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	9.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 85.992 ug/l

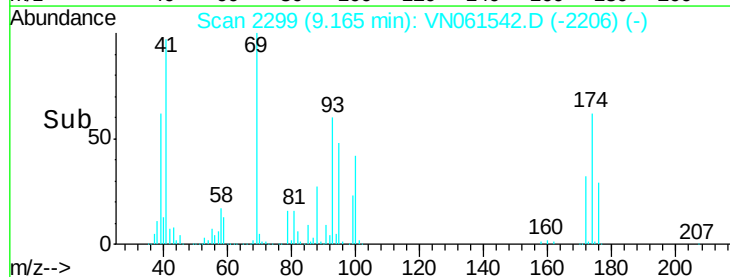
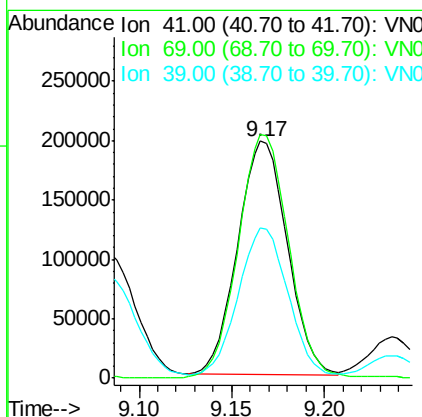
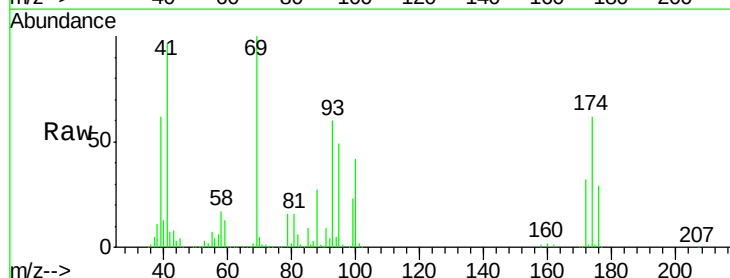
RT: 9.17 min Scan# 2299

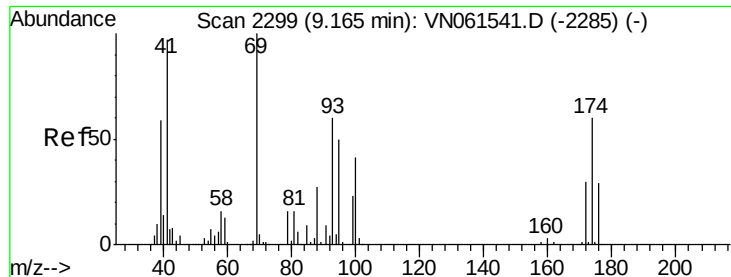
Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion:	41	Resp:	368035
Ion	Ratio	Lower	Upper
41	100		
69	105.4	83.9	125.9
39	65.1	52.1	78.1





#49

1,4-Dioxane

Concen: 2092.047 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

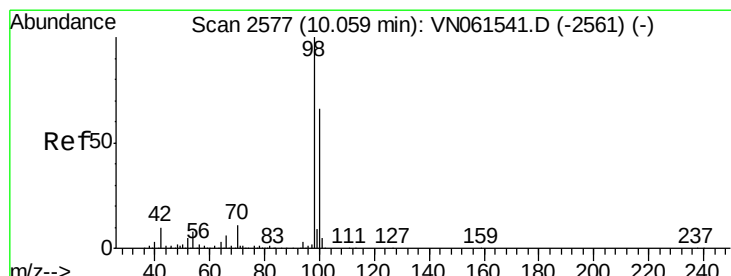
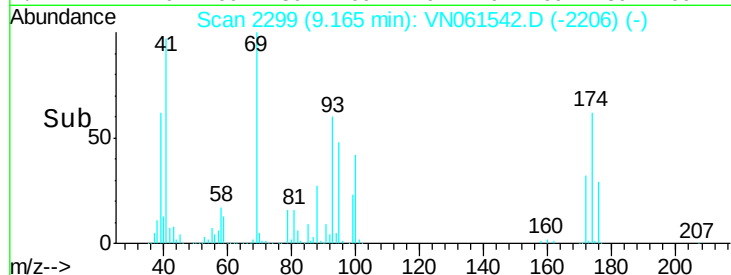
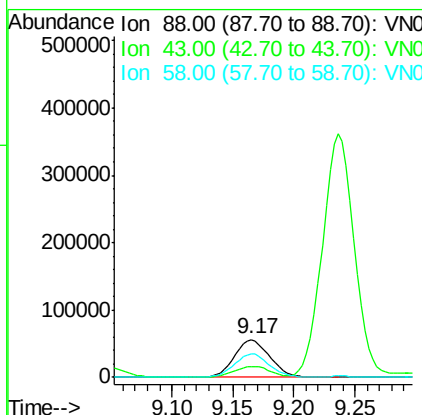
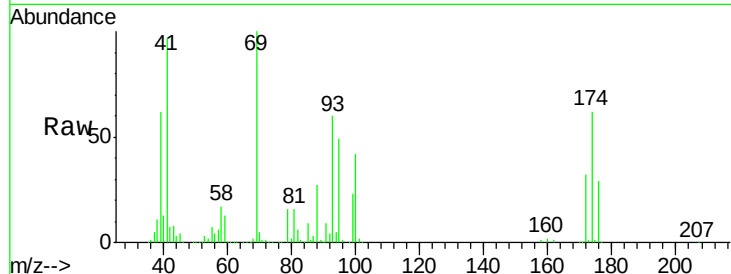
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	112112
Ion Ratio	Lower	Upper	
88	100		
43	28.1	23.1	34.7
58	61.6	48.3	72.5

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#50

Toluene-d8

Concen: 101.043 ug/l

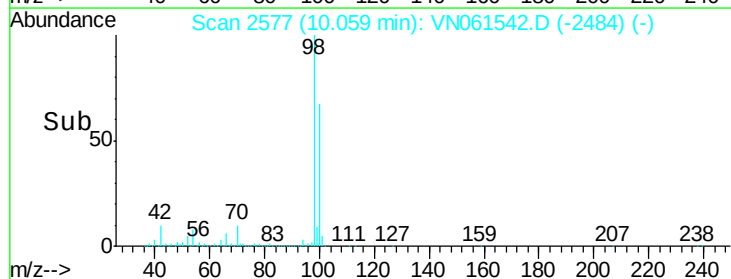
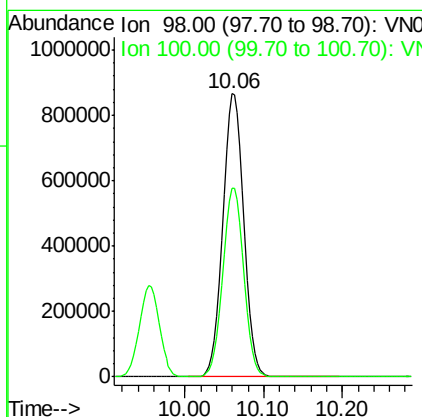
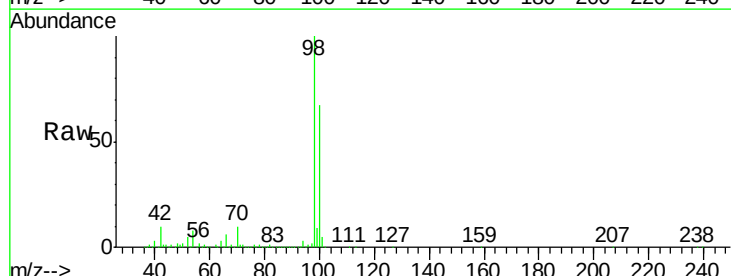
RT: 10.06 min Scan# 2577

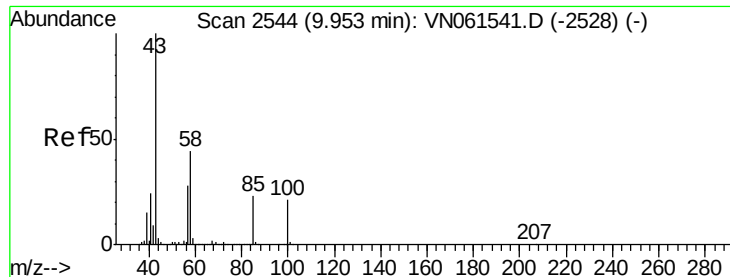
Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion:	98	Resp:	1589674
Ion Ratio	Lower	Upper	
98	100		
100	66.5	52.8	79.2





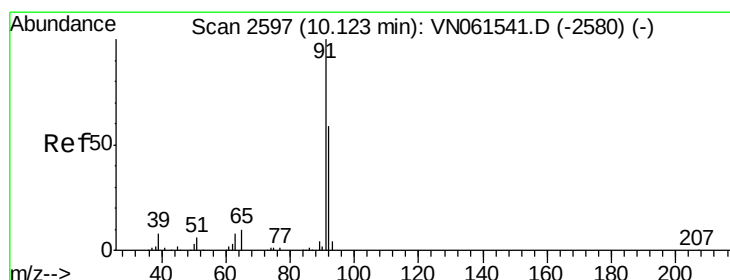
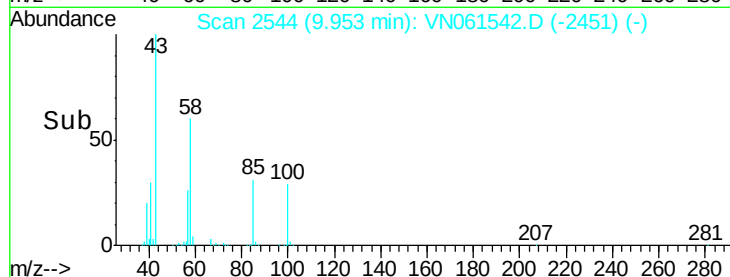
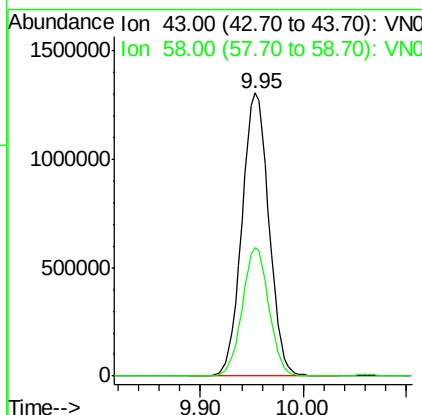
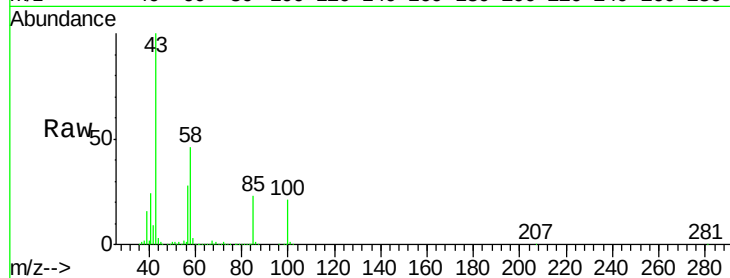
#51
 4-Methyl-2-Pentanone
 Concen: 466.654 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2373231
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.0 52.6

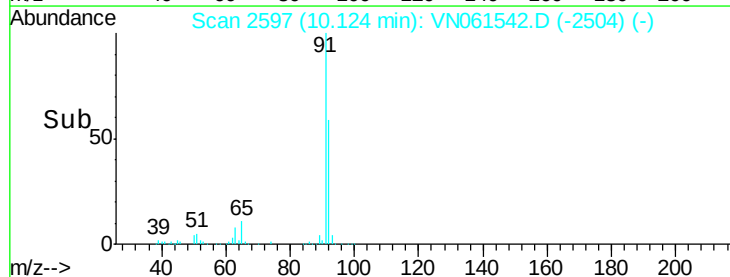
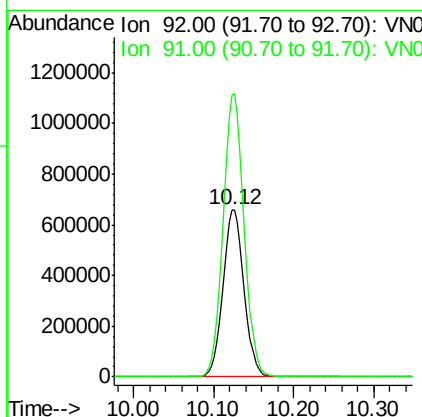
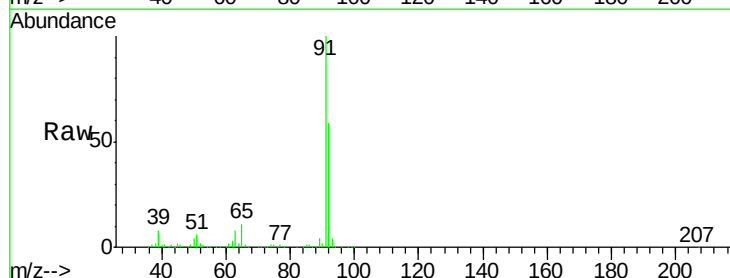
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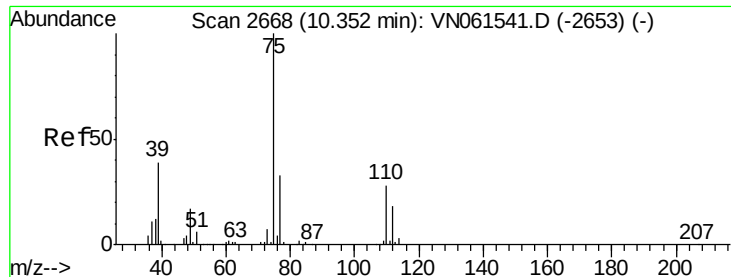
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#52
 Toluene
 Concen: 102.567 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 92 Resp: 1187051
 Ion Ratio Lower Upper
 92 100
 91 169.4 136.4 204.6





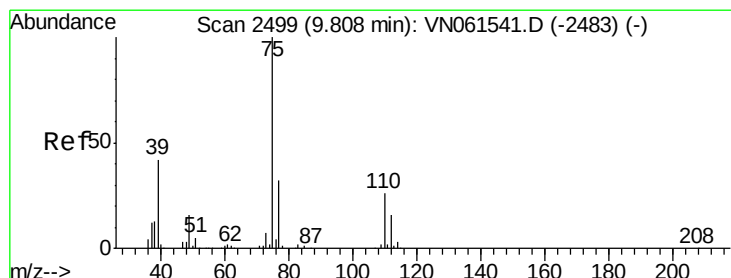
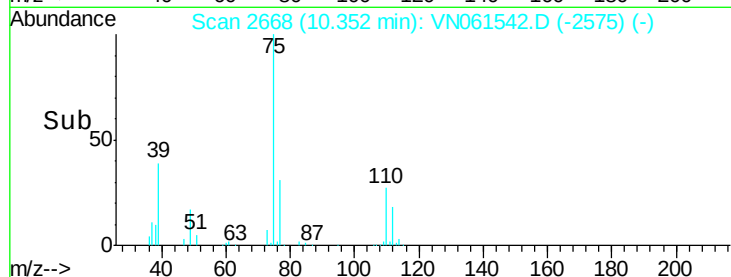
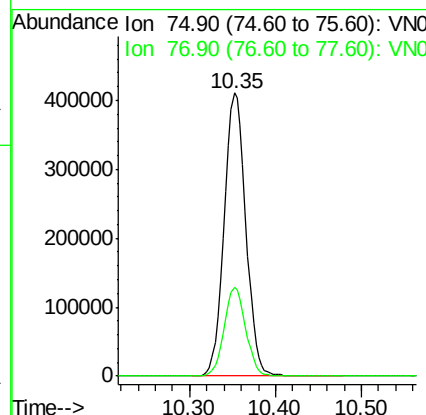
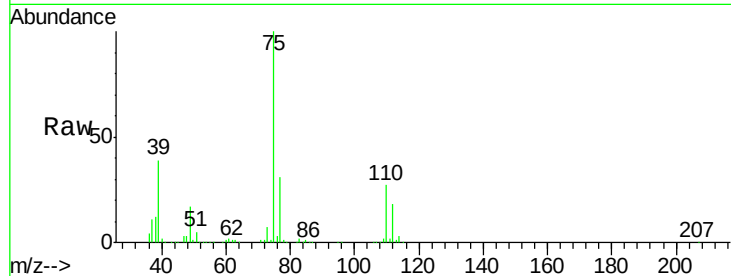
#53
t-1,3-Dichloropropene
Concen: 99.722 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.2	39.4

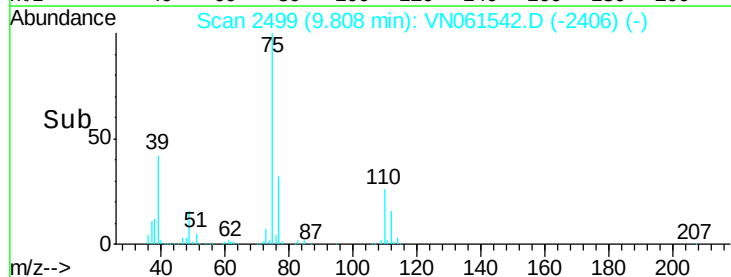
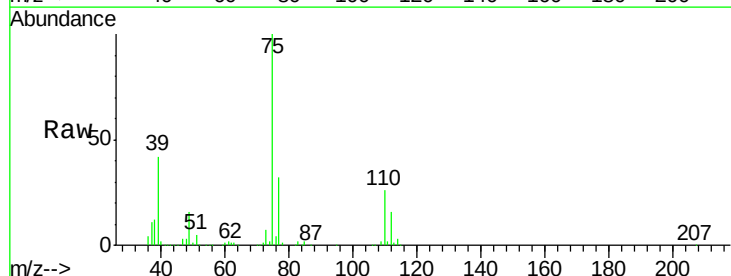
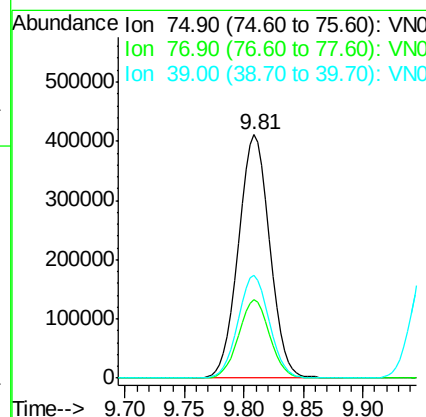
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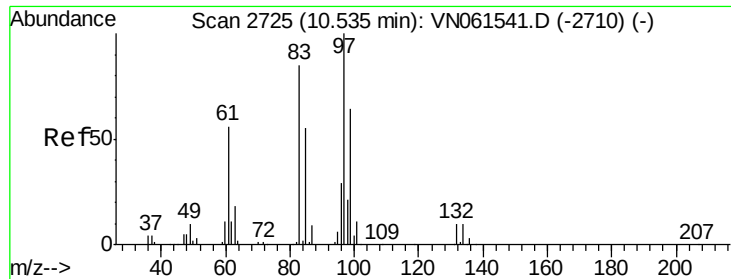
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#54
cis-1,3-Dichloropropene
Concen: 97.578 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2
39	42.1	33.8	50.6





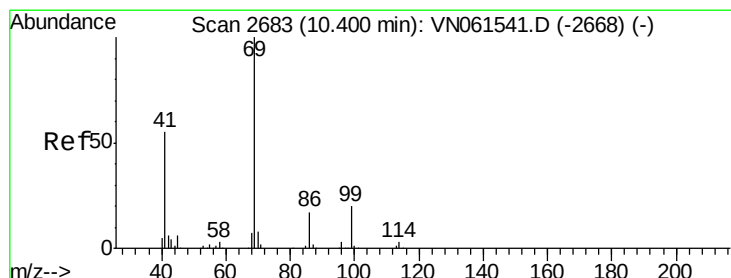
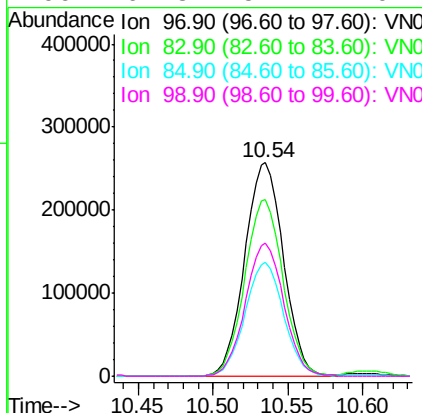
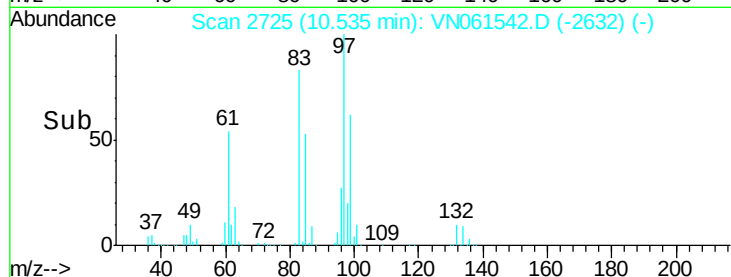
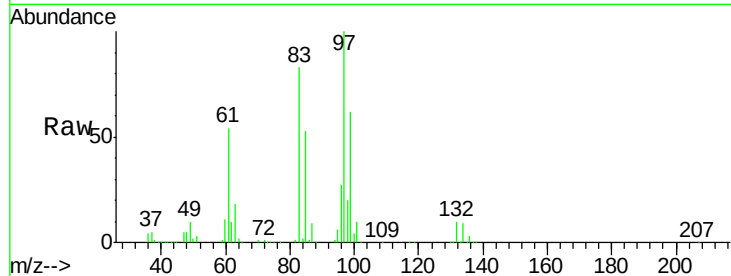
#55
 1,1,2-Trichloroethane
 Concen: 105.795 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	464602
Ion	Ratio	Lower	Upper
97	100		
83	82.6	68.1	102.1
85	53.2	44.1	66.1
99	62.3	51.1	76.7

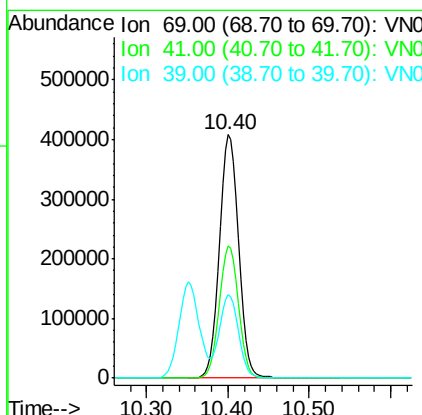
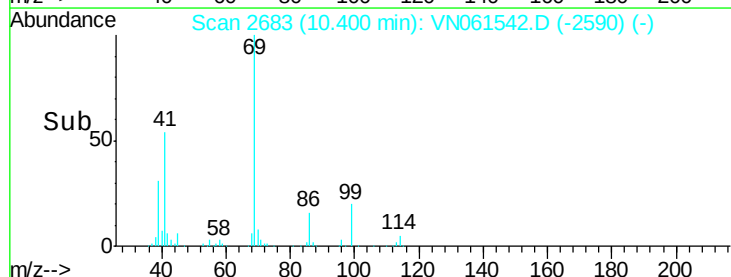
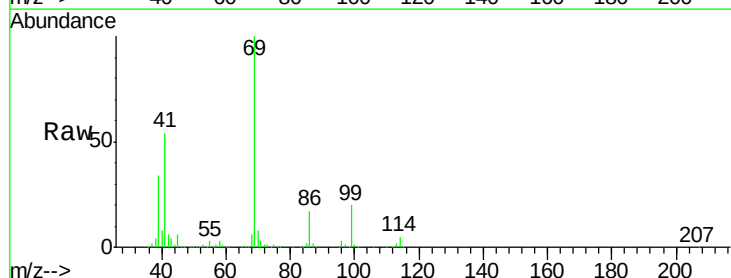
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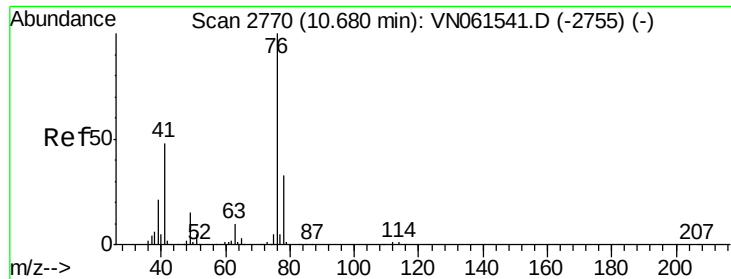
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#56
 Ethyl methacrylate
 Concen: 101.064 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion:	69	Resp:	685369
Ion	Ratio	Lower	Upper
69	100		
41	54.2	43.5	65.3
39	34.2	27.0	40.6





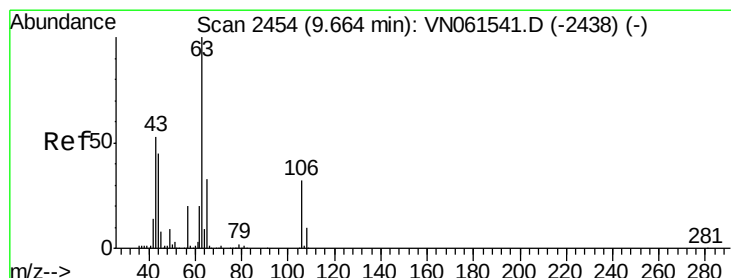
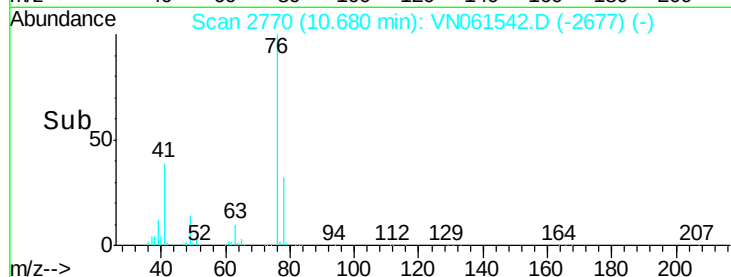
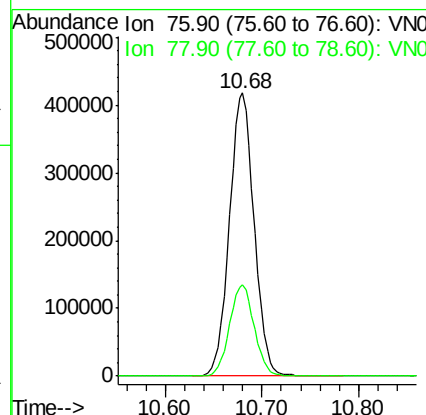
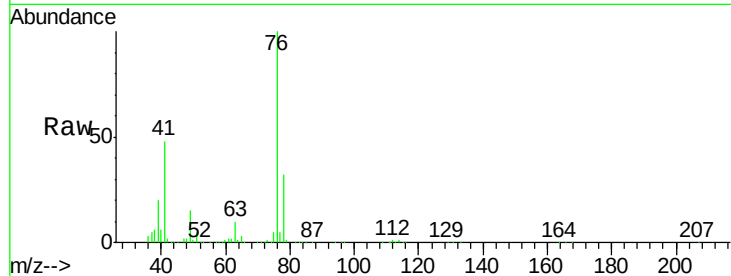
#57
 1,3-Dichloropropane
 Concen: 98.270 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.3	39.5

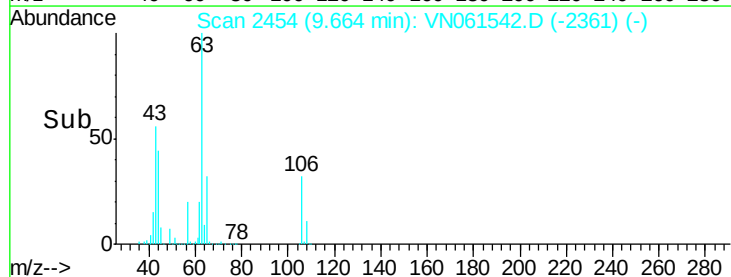
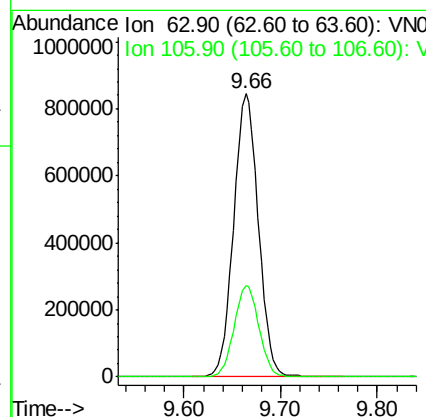
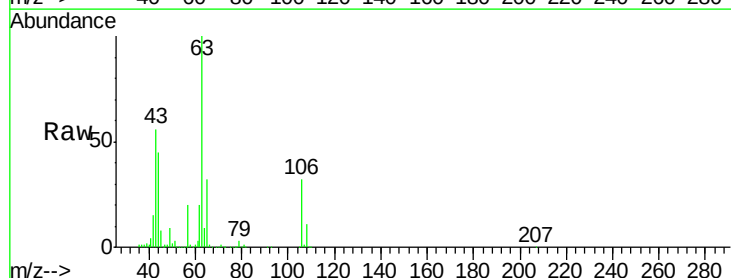
Manual Integrations
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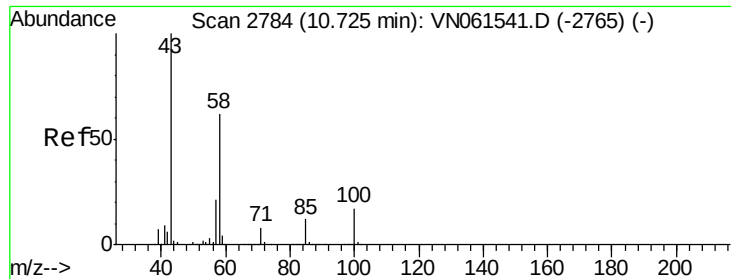
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#58
 2-Chloroethyl Vinyl ether
 Concen: 503.672 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.4	25.9	38.9





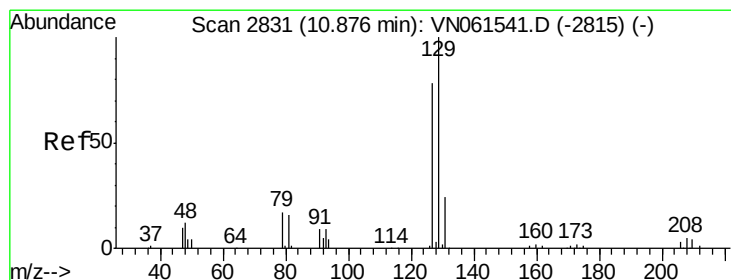
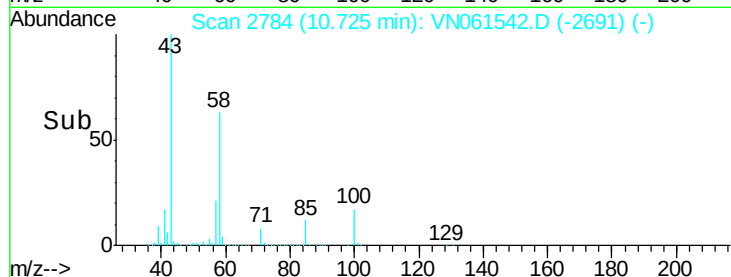
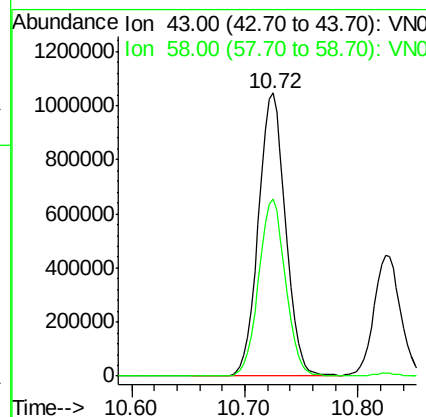
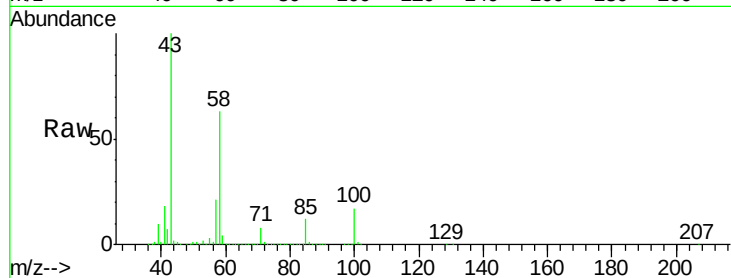
#59
2-Hexanone
Concen: 474.009 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1743071
Ion Ratio Lower Upper
43 100
58 62.1 30.7 92.1

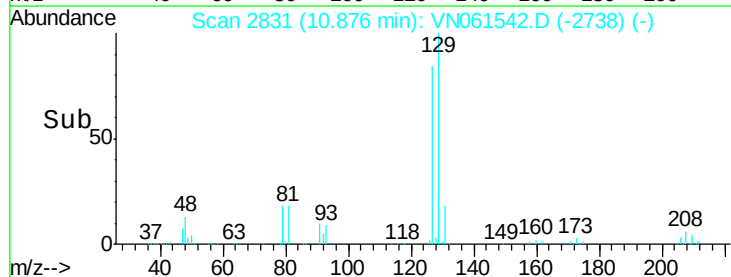
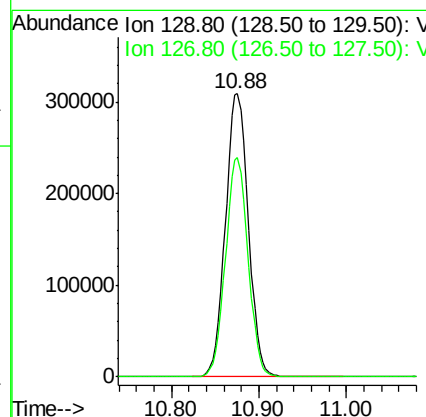
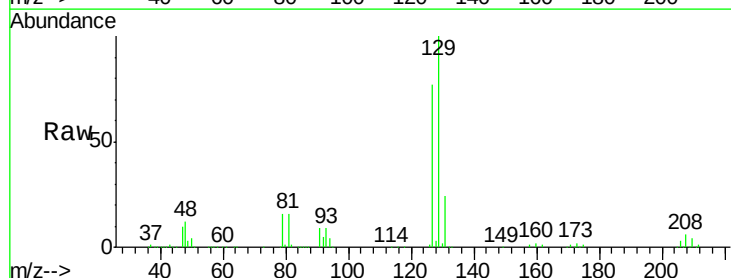
Manual Integrations
APPROVED

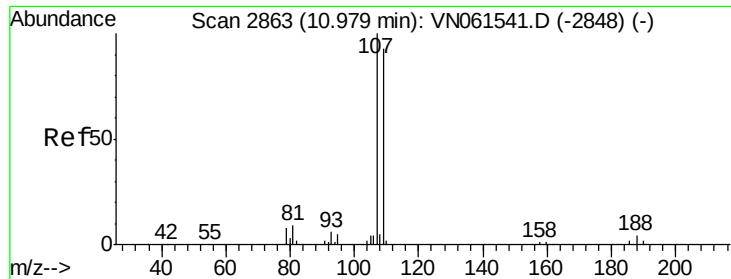
MMDadoda
5/29/2020 5:46:51 PM



#60
Dibromochloromethane
Concen: 114.818 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 129 Resp: 562202
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.3





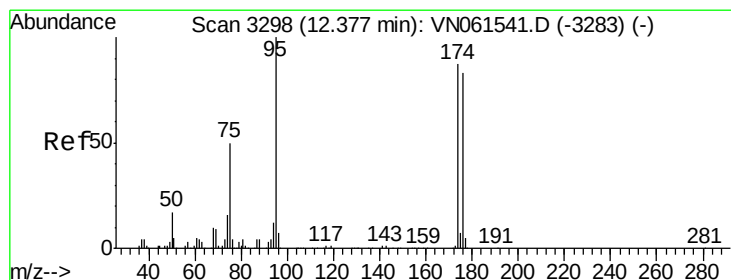
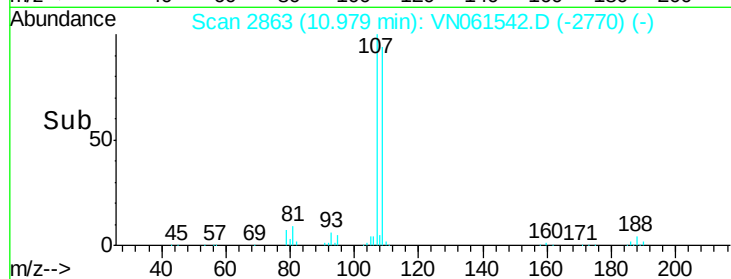
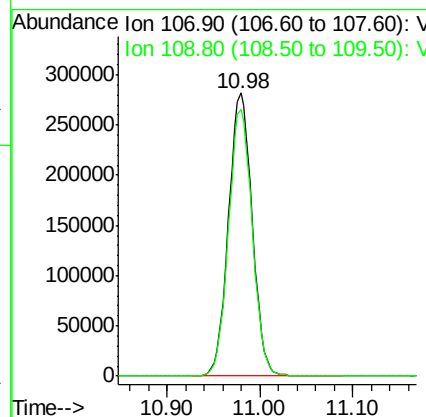
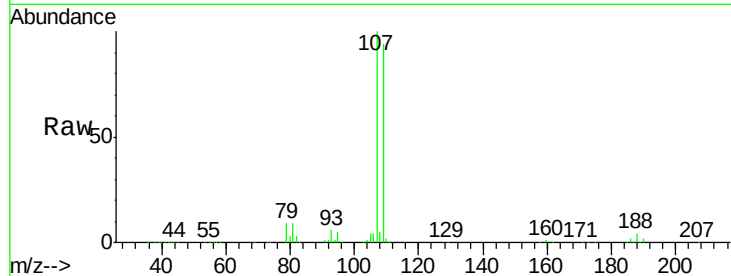
#61
 1,2-Dibromoethane
 Concen: 107.747 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	498846		
109	94.8	76.1	114.1	

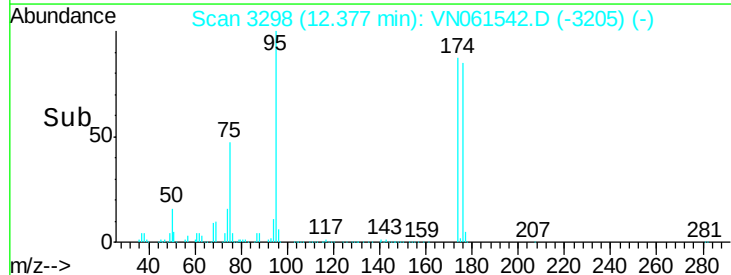
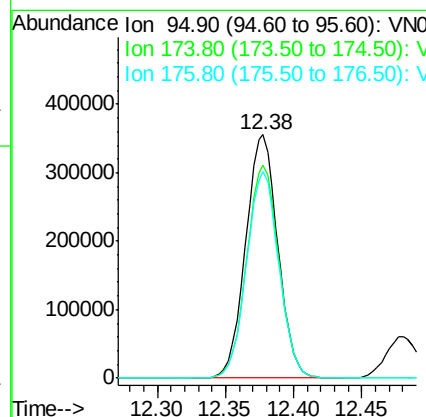
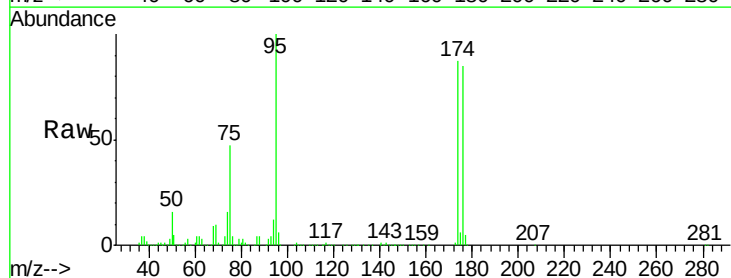
Manual Integrations
 APPROVED

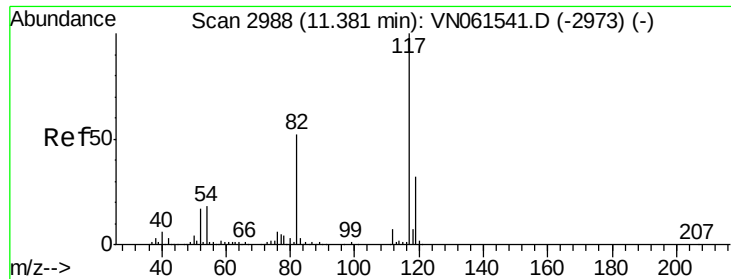
MMDadoda
 5/29/2020 5:46:51 PM



#62
 4-Bromofluorobenzene
 Concen: 100.045 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	581582		
174	88.0	0.0	172.8	
176	85.1	0.0	164.8	





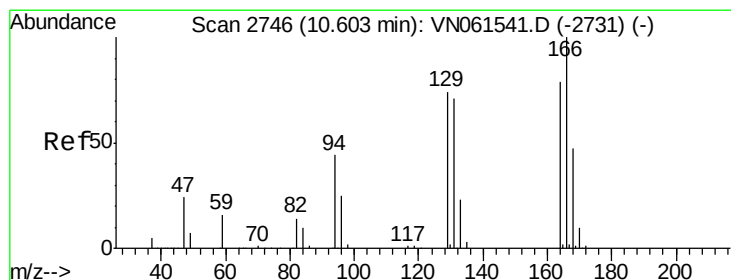
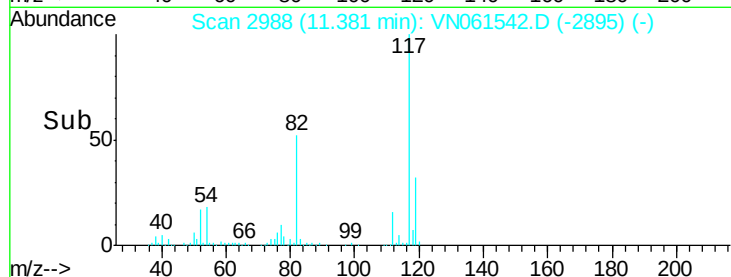
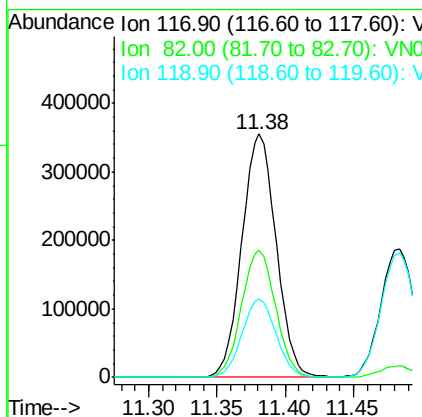
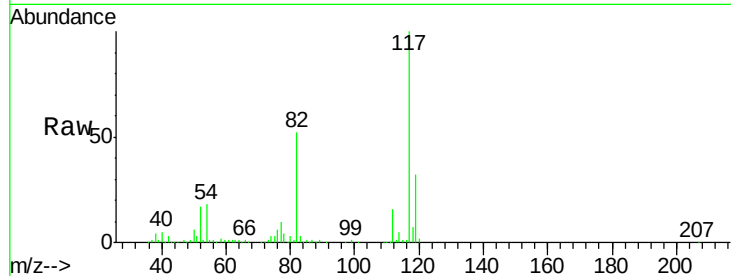
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.5	62.3
119	32.1	25.6	38.4

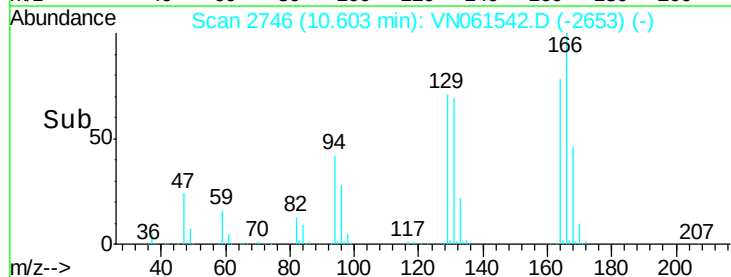
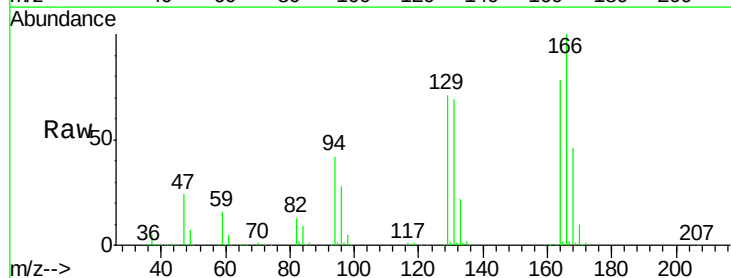
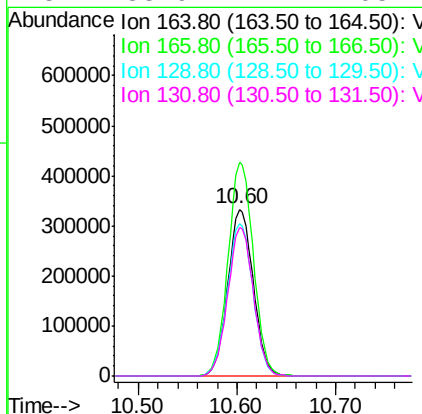
Manual Integrations
APPROVED

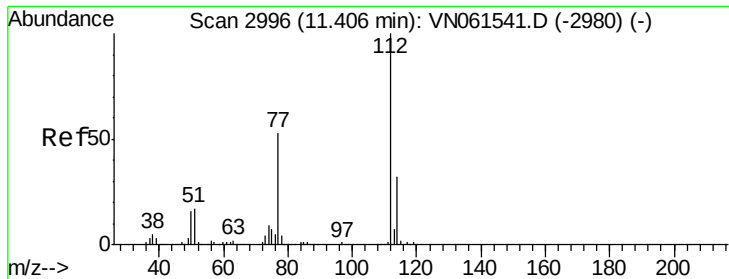
MMDadoda
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#64
Tetrachloroethene
Concen: 121.511 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.5	152.3
129	91.7	74.9	112.3
131	88.9	72.2	108.2





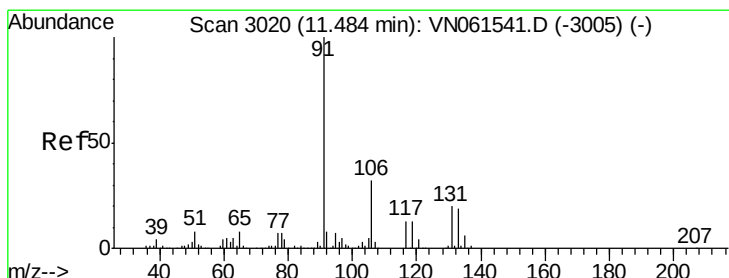
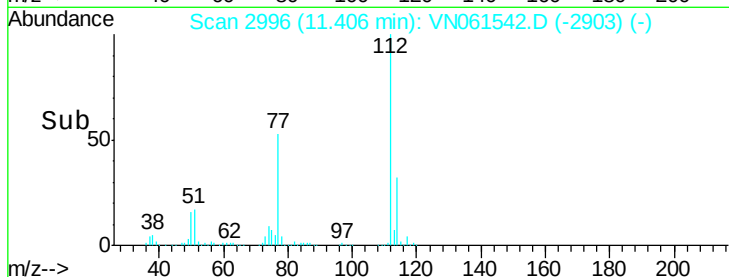
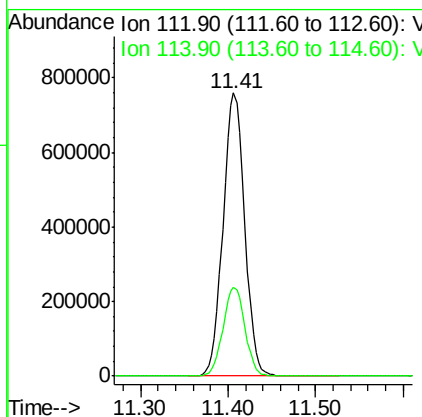
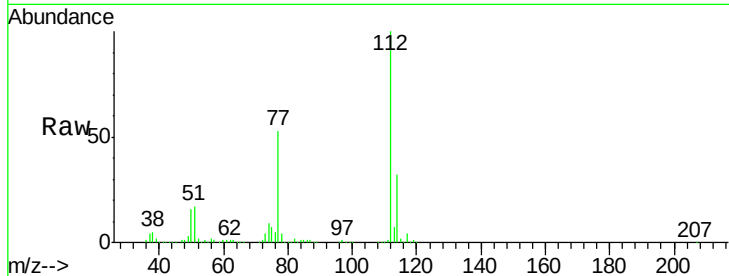
#65
Chlorobenzene
Concen: 103.318 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 1303739
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

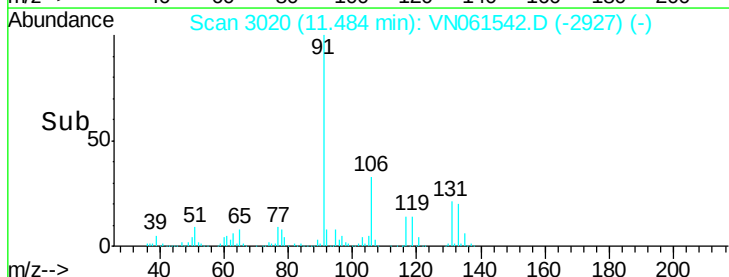
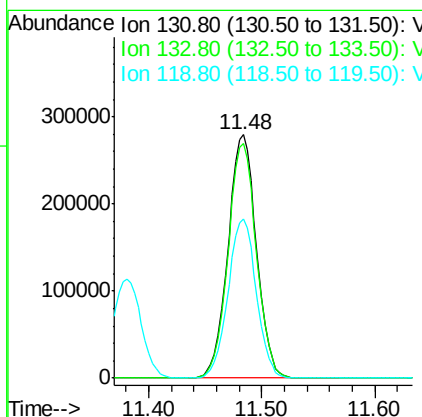
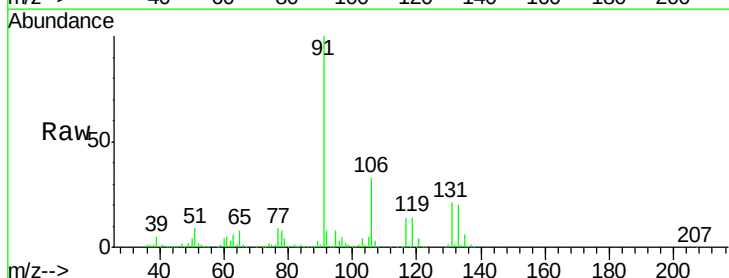
Manual Integrations
APPROVED

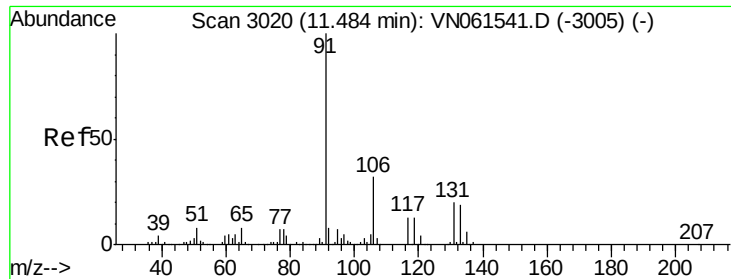
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#66
1,1,1,2-Tetrachloroethane
Concen: 106.926 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion:131 Resp: 486762
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.2
119 65.3 32.6 97.8





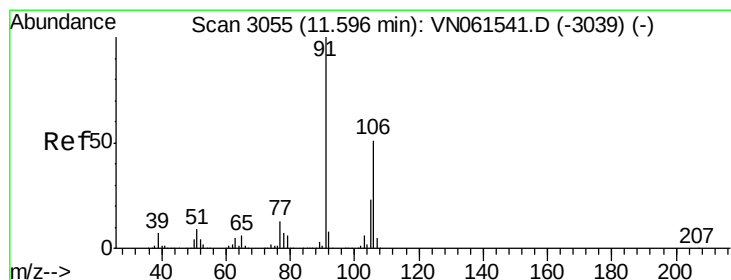
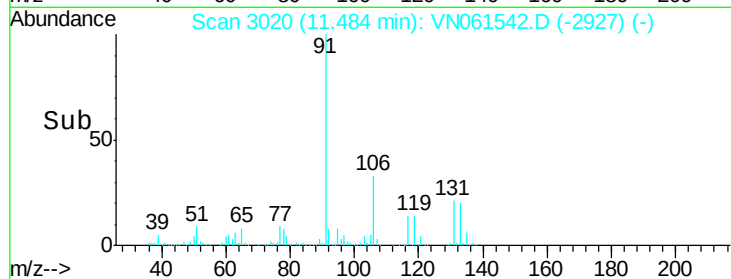
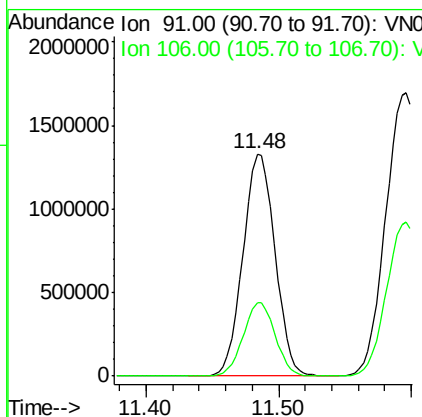
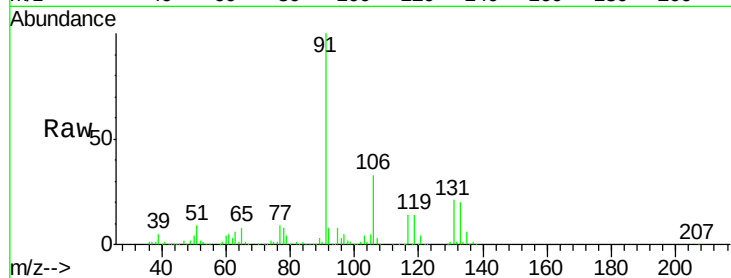
#67
Ethyl Benzene
Concen: 98.354 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 2238228
Ion Ratio Lower Upper
91 100
106 33.0 25.6 38.4

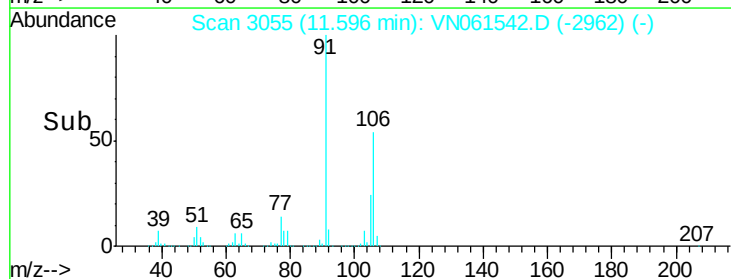
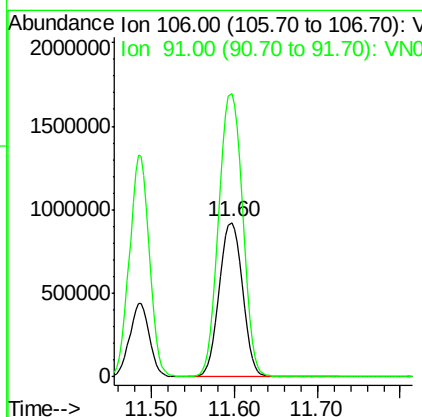
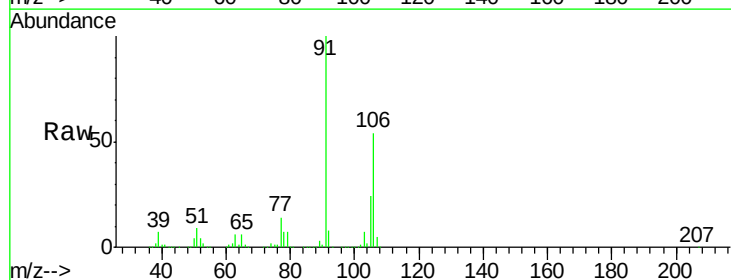
Manual Integrations
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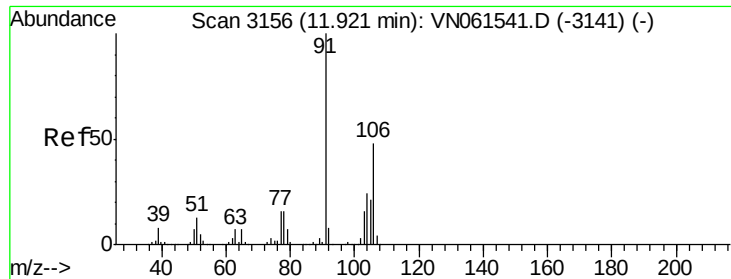
MMDadoda
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#68
m/p-Xylenes
Concen: 207.090 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 106 Resp: 1801169
Ion Ratio Lower Upper
106 100
91 188.7 156.2 234.4





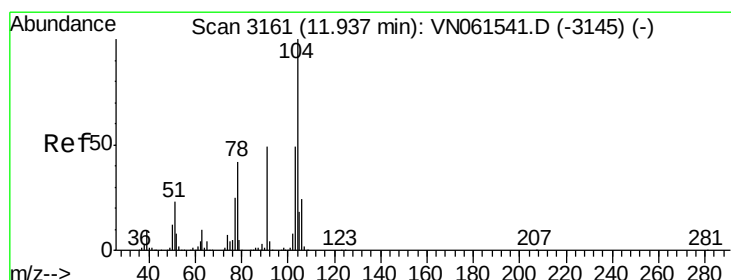
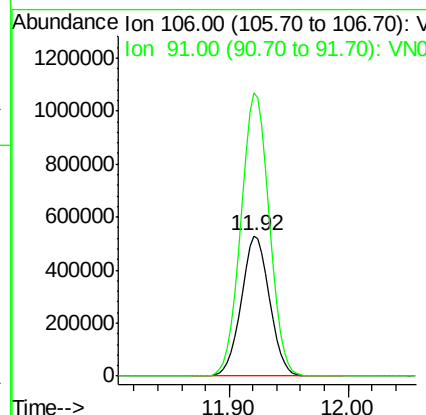
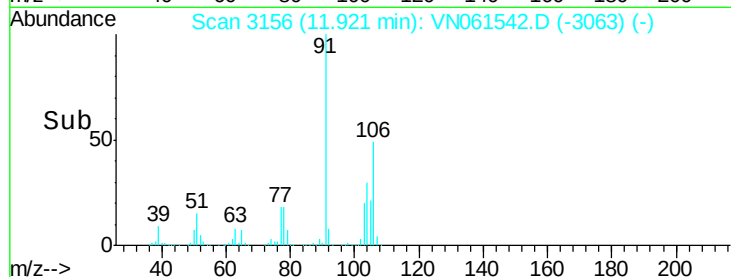
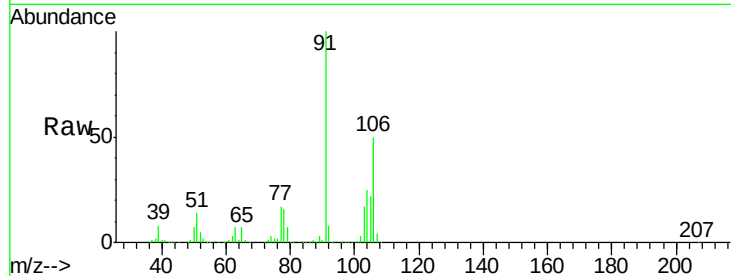
#69
o-Xylene
Concen: 103.169 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		868490		
91	203.2	103.3	309.8		

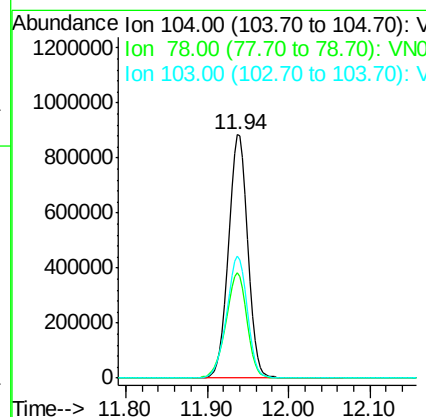
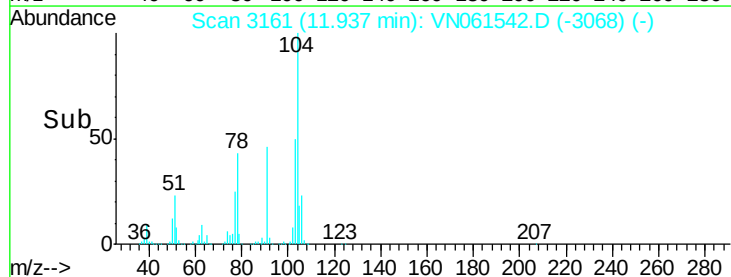
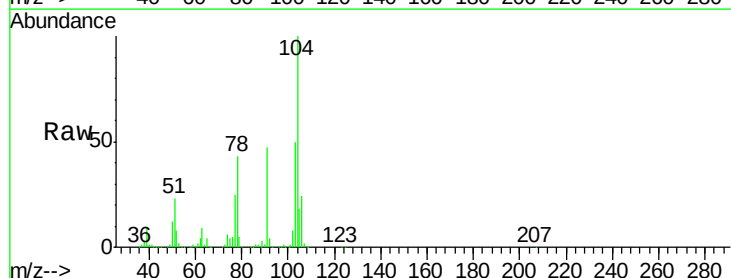
Manual Integrations
APPROVED

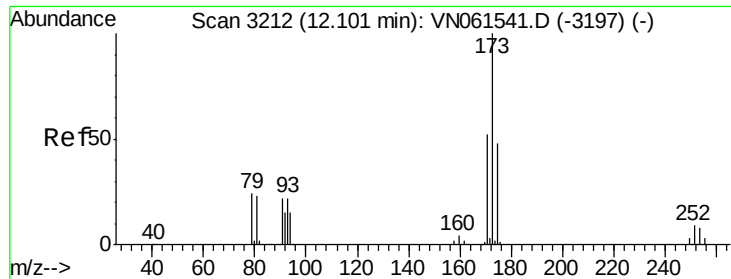
MMDadoda
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#70
Styrene
Concen: 106.977 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	37.4	56.0	
103	53.8	42.3	63.5	





#71

Bromoform

Concen: 125.228 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 407708

Ion Ratio Lower Upper

173 100

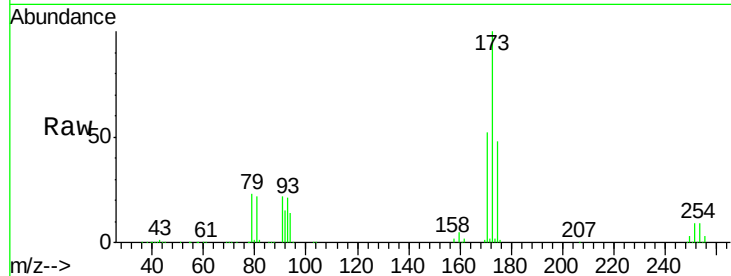
175 48.2 24.4 73.2

254 0.1 0.0 0.0#

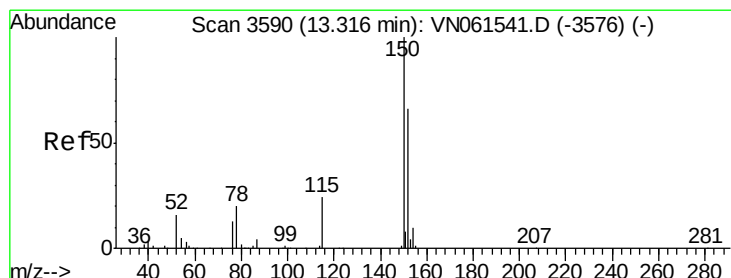
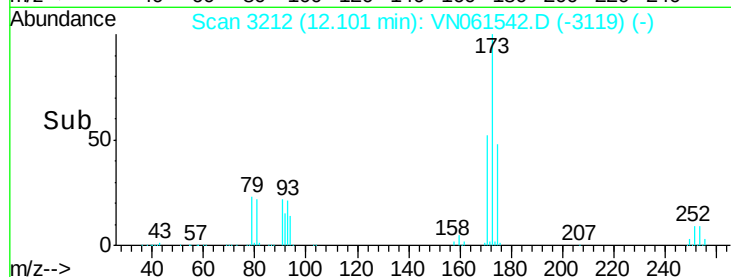
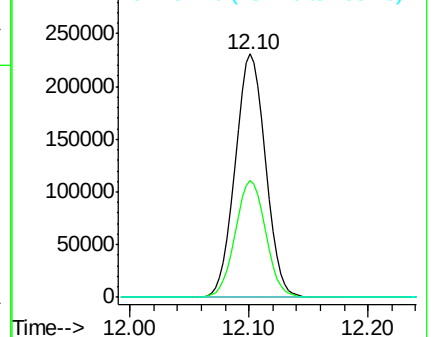
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

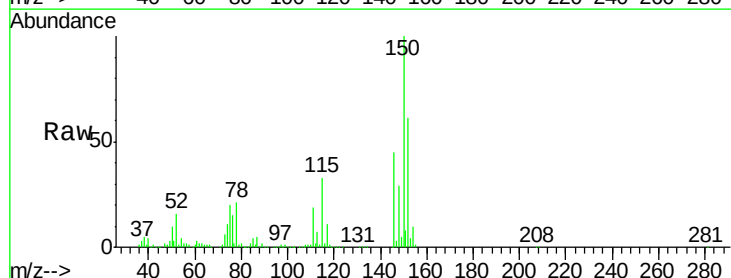
Tgt Ion:152 Resp: 322002

Ion Ratio Lower Upper

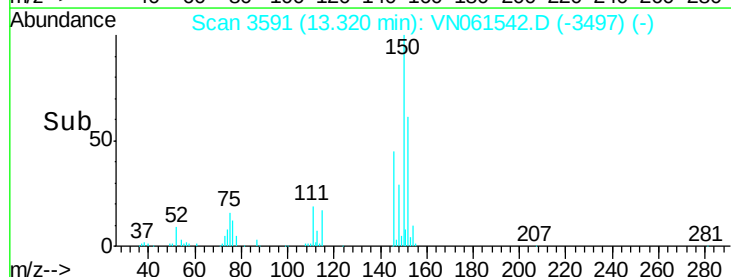
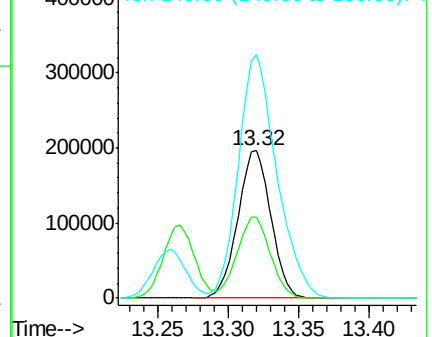
152 100

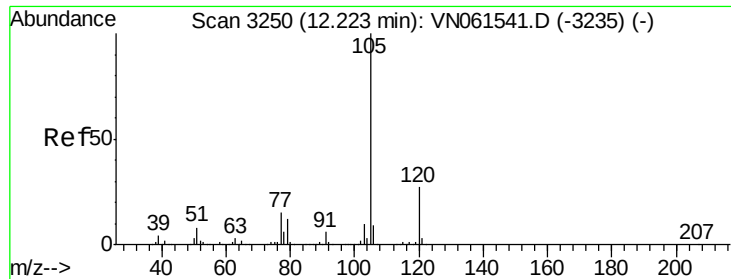
115 55.2 28.0 84.0

150 192.2 0.0 344.0



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





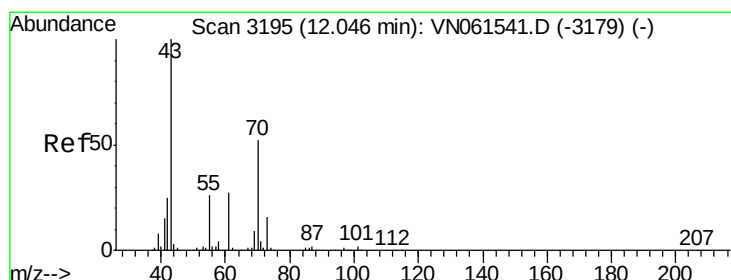
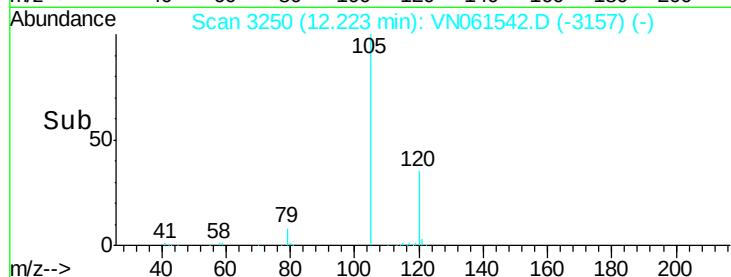
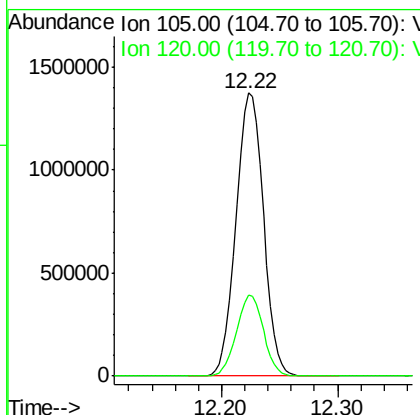
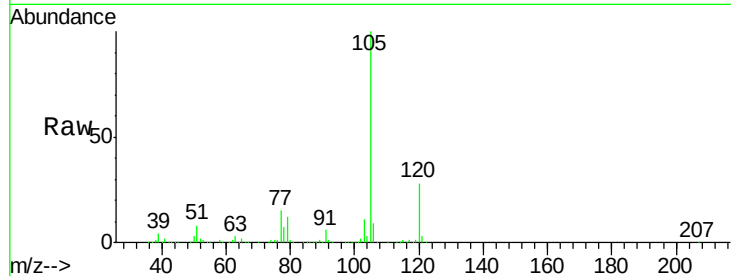
#73
Isopropylbenzene
Concen: 88.821 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:105 Resp: 2247538
Ion Ratio Lower Upper
105 100
120 28.1 13.8 41.3

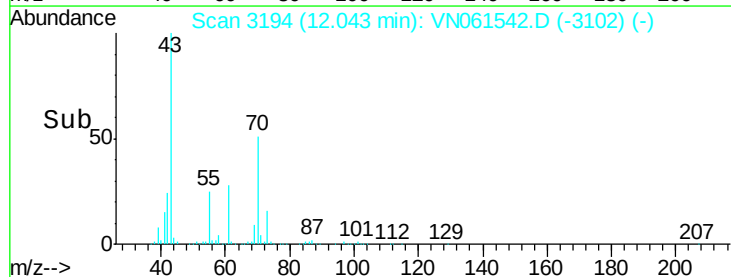
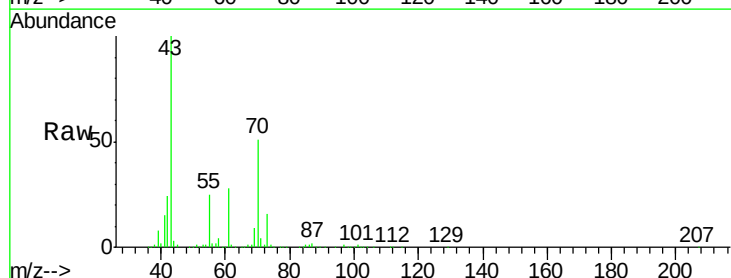
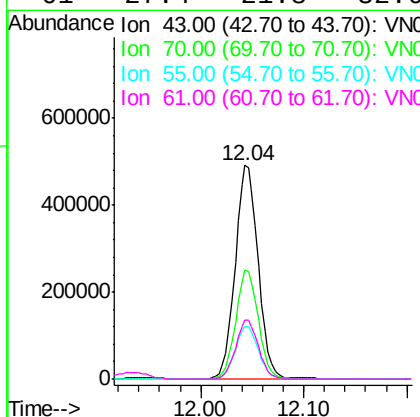
Manual Integrations
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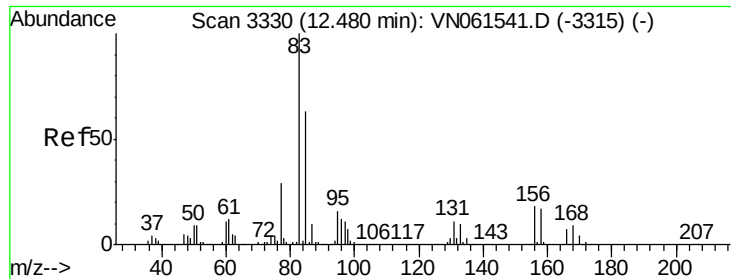
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#74
N-ethyl acetate
Concen: 83.478 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 43 Resp: 760707
Ion Ratio Lower Upper
43 100
70 50.4 40.5 60.7
55 25.1 20.6 31.0
61 27.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 88.495 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

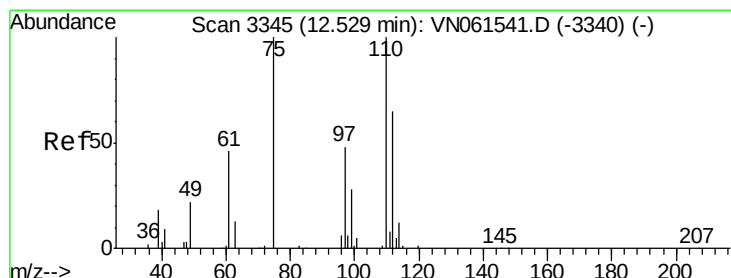
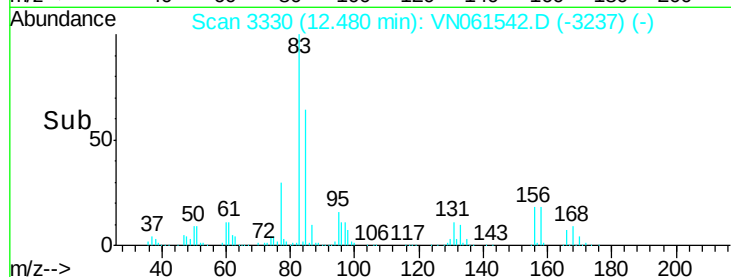
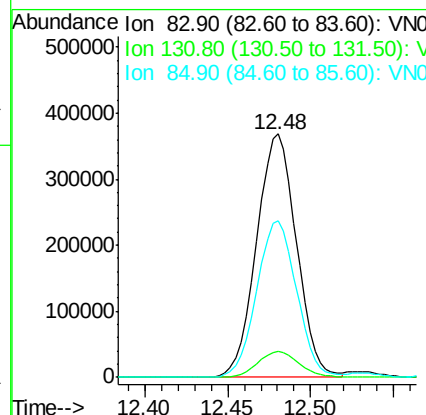
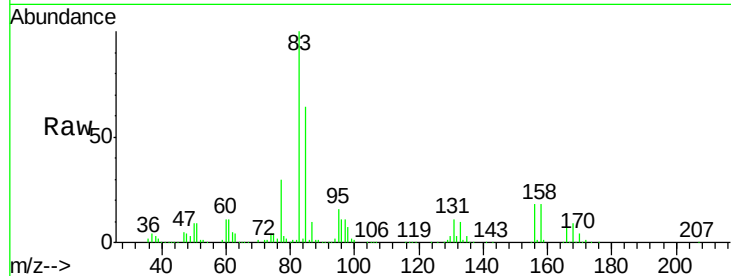
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	616579
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.5
85	64.4	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 80.335 ug/l m

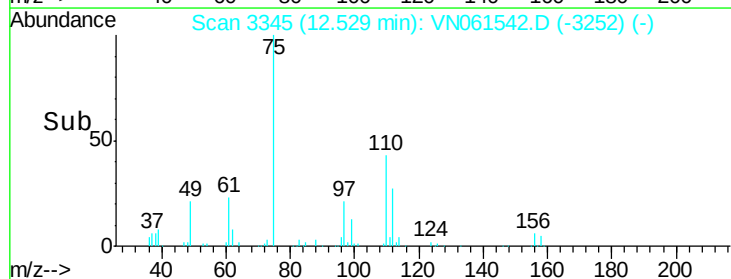
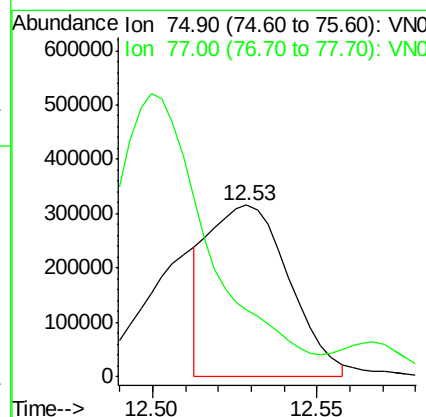
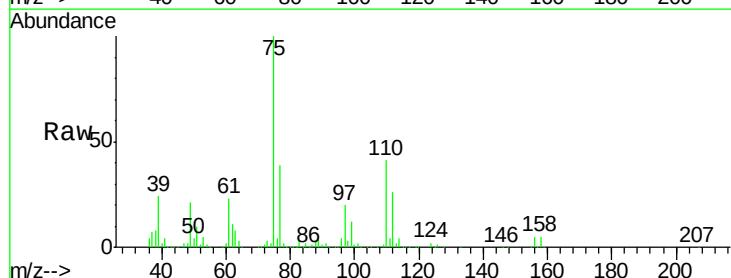
RT: 12.53 min Scan# 3345

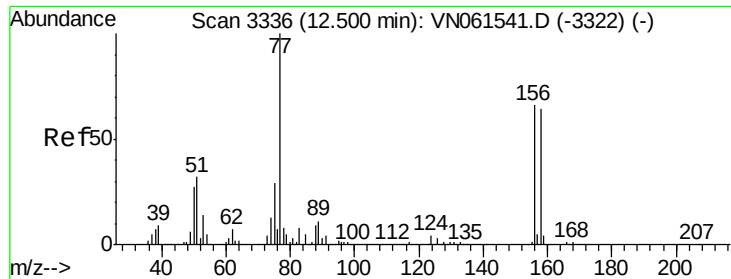
Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion:	75	Resp:	538515
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





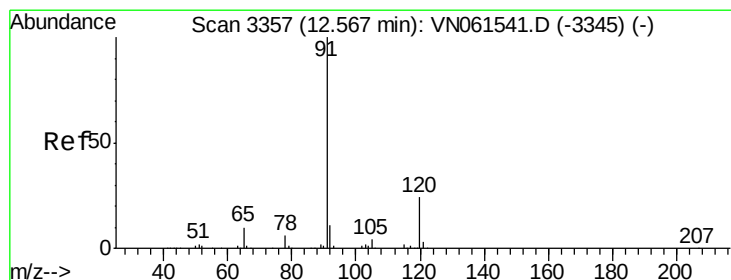
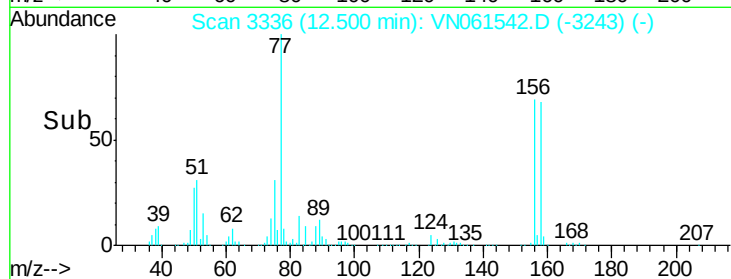
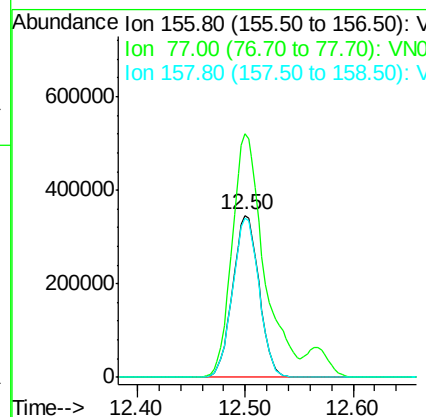
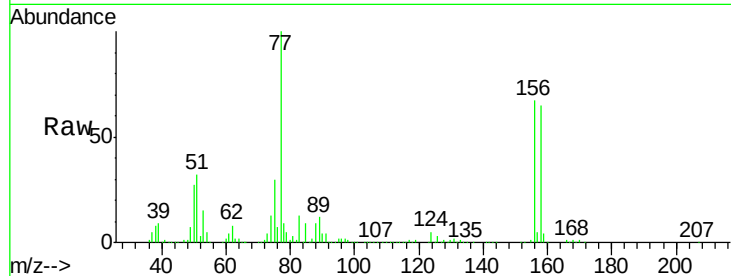
#77
Bromobenzene
Concen: 105.108 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
156	100	592897		
77	180.8	90.9	272.7	
158	98.3	48.4	145.3	

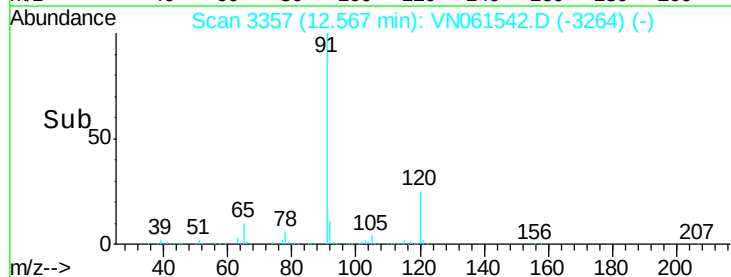
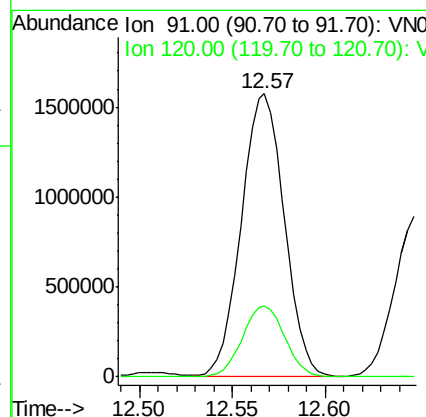
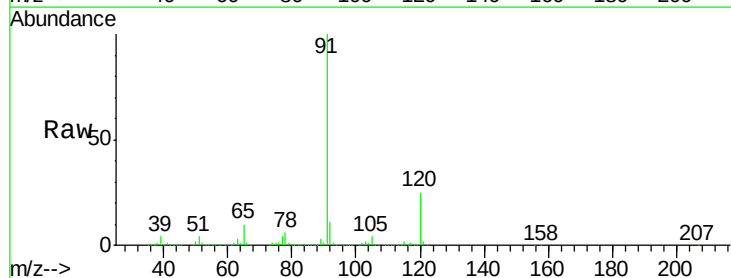
Manual Integrations
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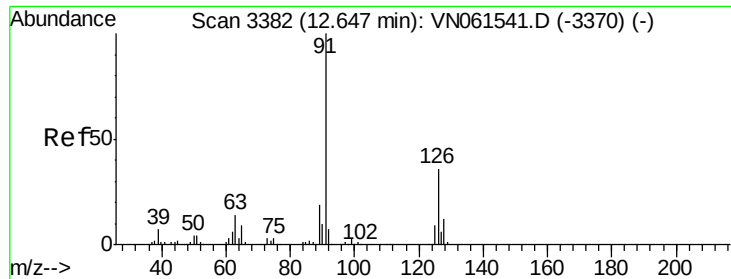
MMDadoda
5/29/2020 5:46:51 PM



#78
n-propylbenzene
Concen: 88.030 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2523098		
120	25.0	12.3	36.9	





#79

2-Chlorotoluene

Concen: 87.608 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1489599

Ion Ratio Lower Upper

91 100

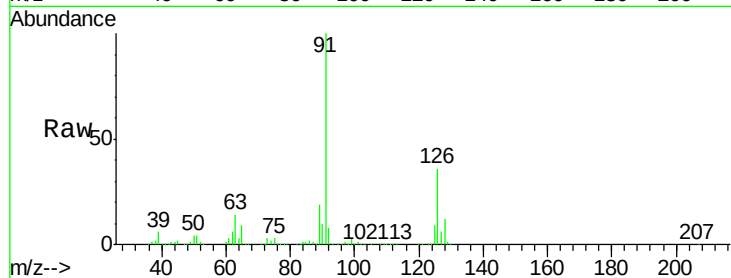
126 35.9 17.9 53.7

Manual Integrations

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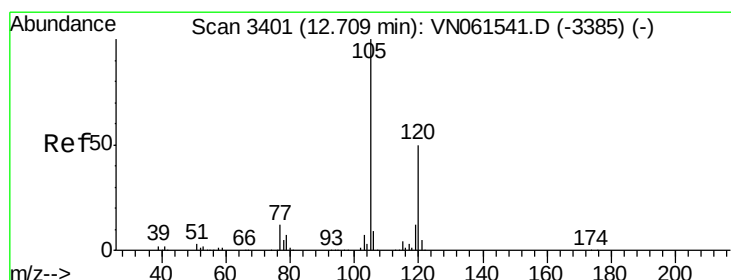
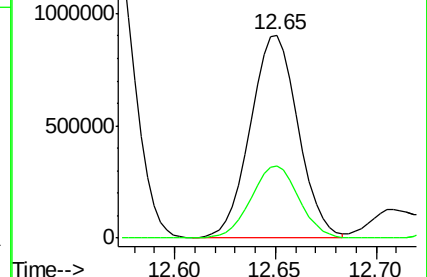
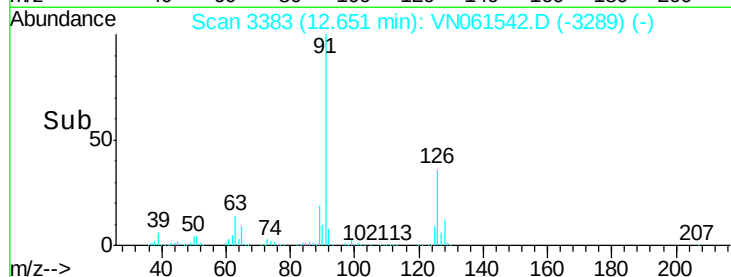
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Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 92.095 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061542.D

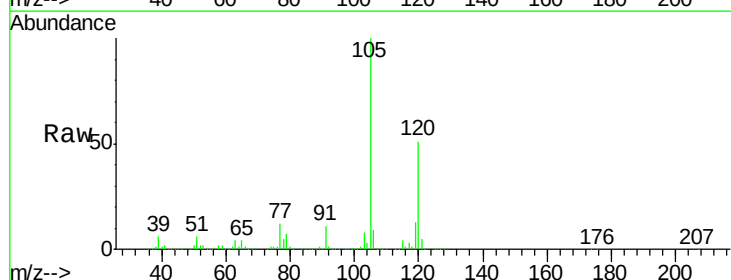
Acq: 28 May 2020 19:19

Tgt Ion: 105 Resp: 1909659

Ion Ratio Lower Upper

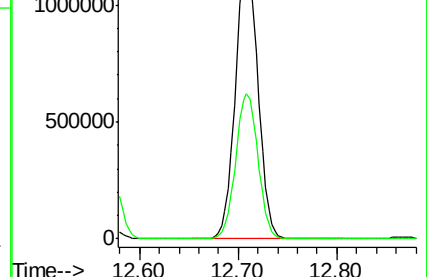
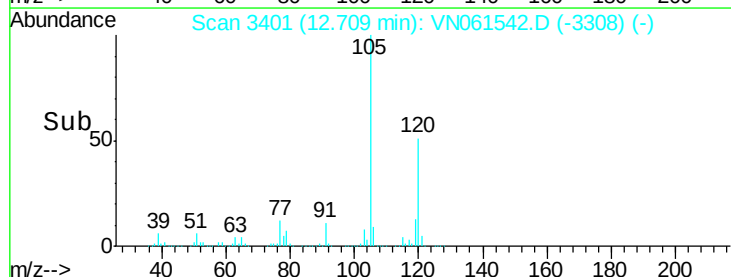
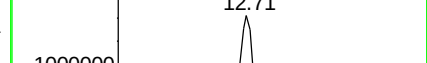
105 100

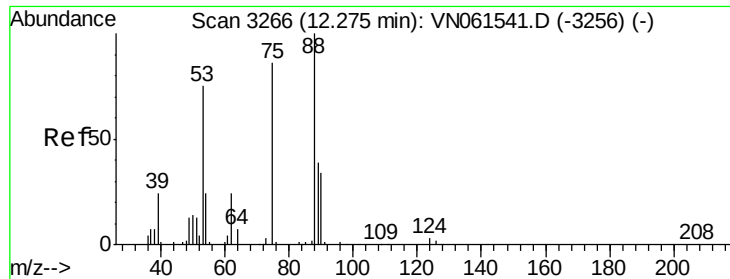
120 51.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061541.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 89.825 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

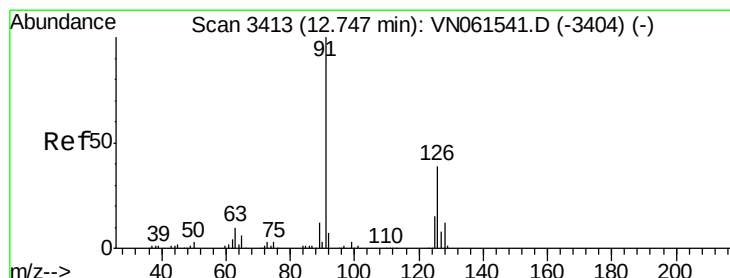
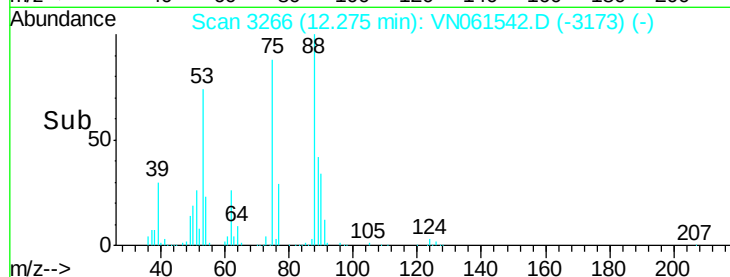
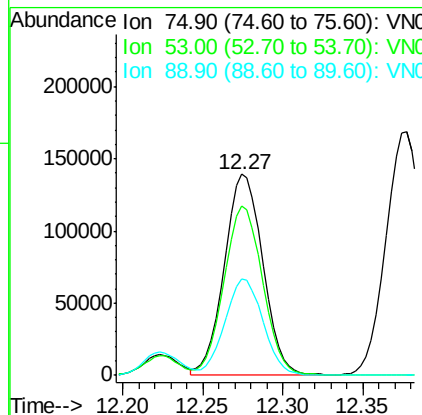
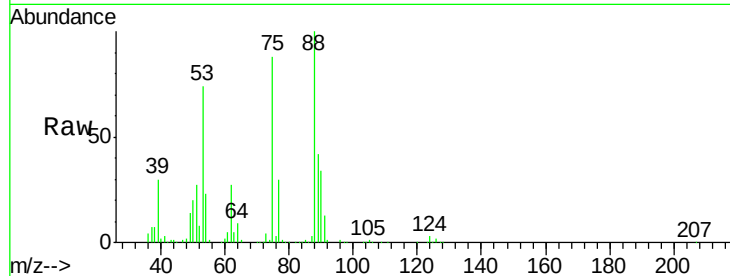
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	228808
Ion Ratio	Lower	Upper	
75	100		
53	84.7	67.8	101.8
89	47.5	37.1	55.7

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#82

4-Chlorotoluene

Concen: 90.054 ug/l

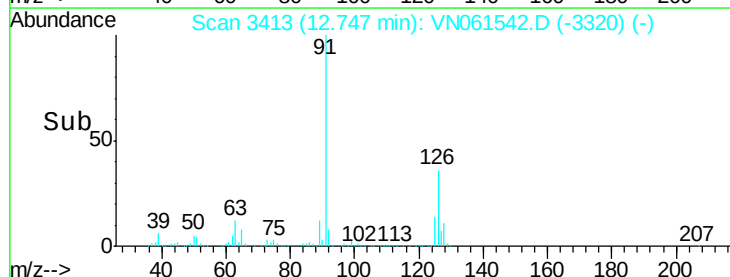
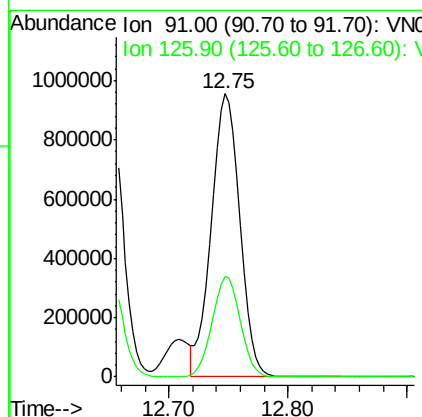
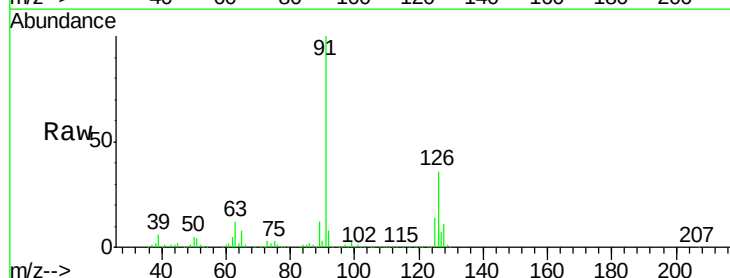
RT: 12.75 min Scan# 3413

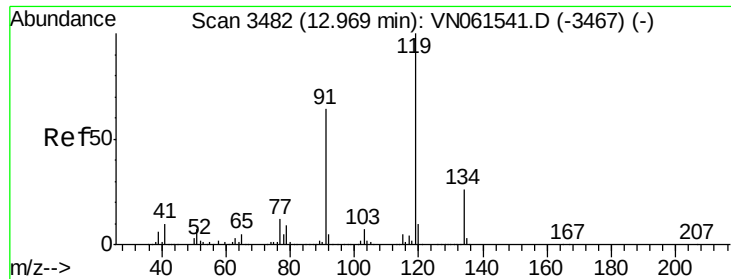
Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion:	91	Resp:	1585007
Ion Ratio	Lower	Upper	
91	100		
126	35.1	17.5	52.6





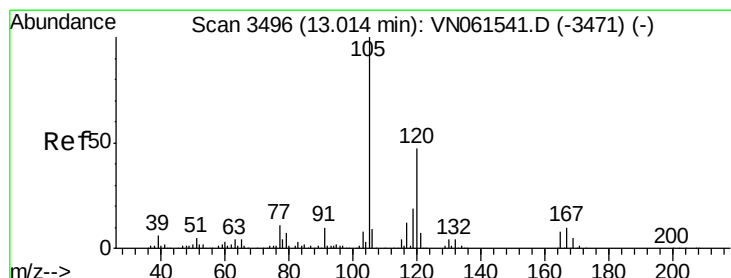
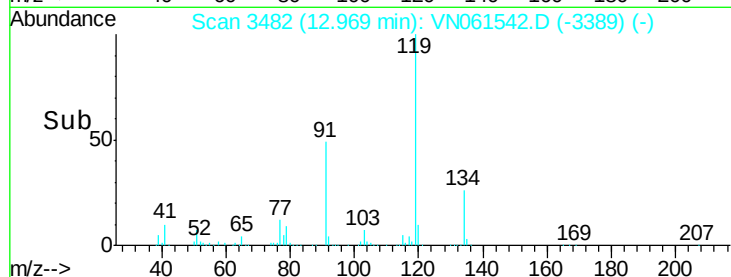
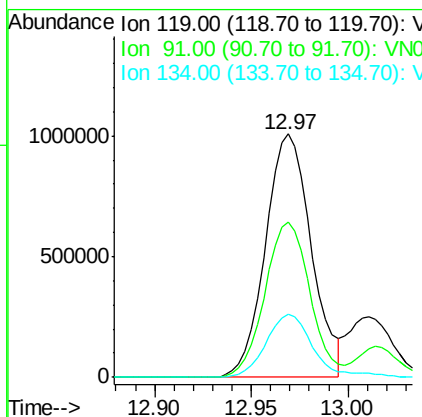
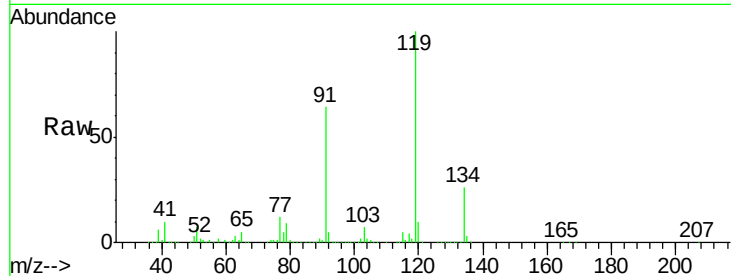
#83
tert-Butylbenzene
Concen: 93.155 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.3	93.8
134	26.9	13.5	40.4

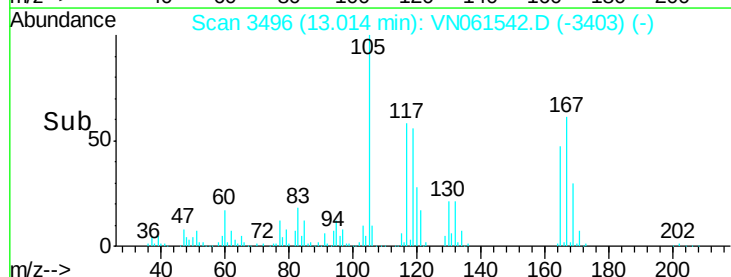
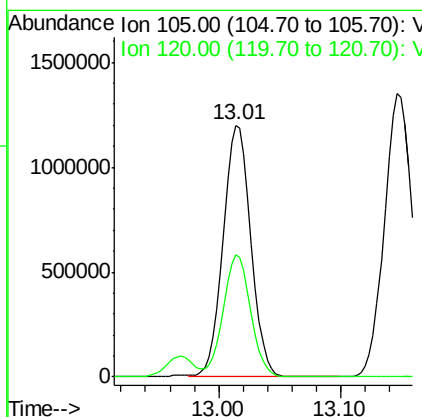
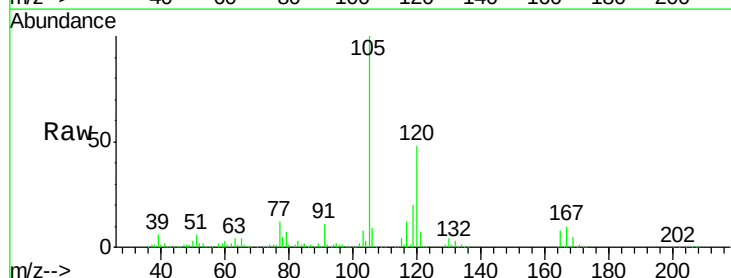
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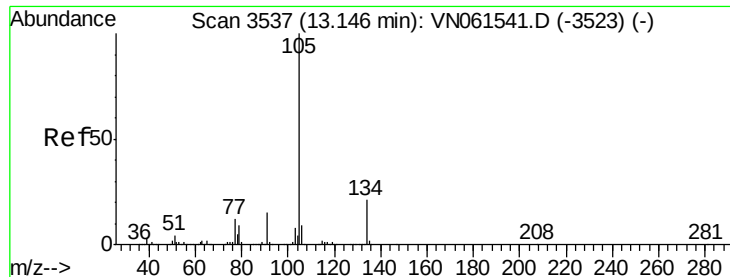
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#84
1,2,4-Trimethylbenzene
Concen: 92.184 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.2	69.5





#85

sec-Butylbenzene

Concen: 90.952 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2176002

Ion Ratio Lower Upper

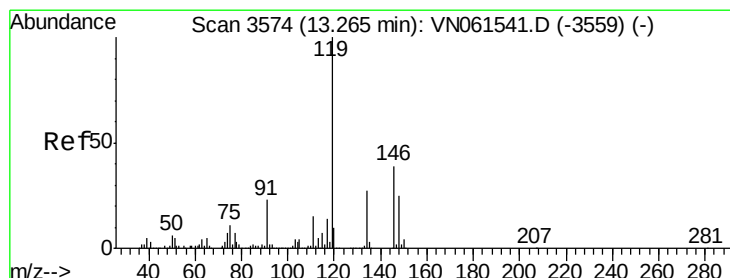
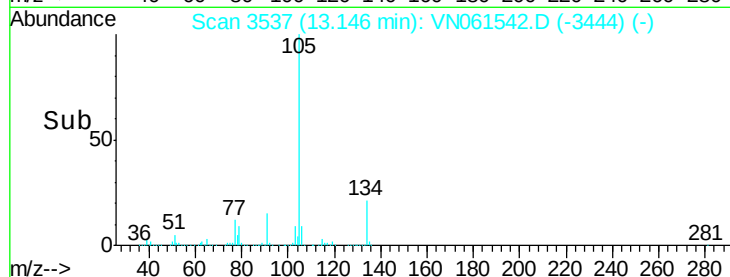
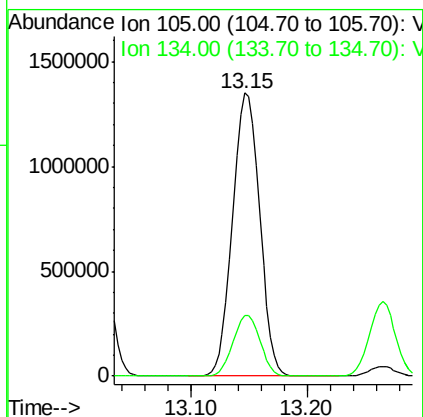
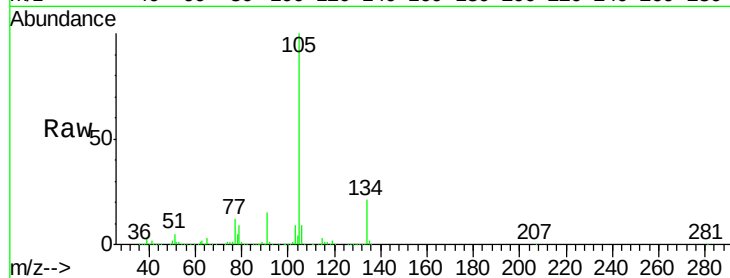
105 100

134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 95.261 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

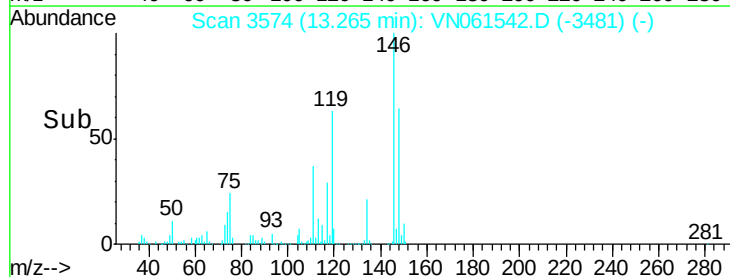
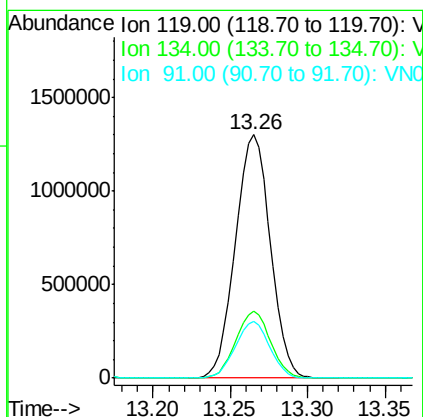
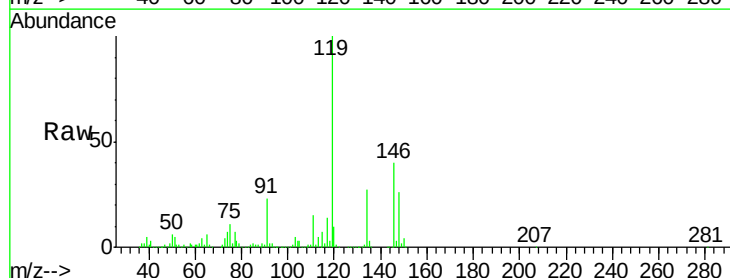
Tgt Ion:119 Resp: 2036043

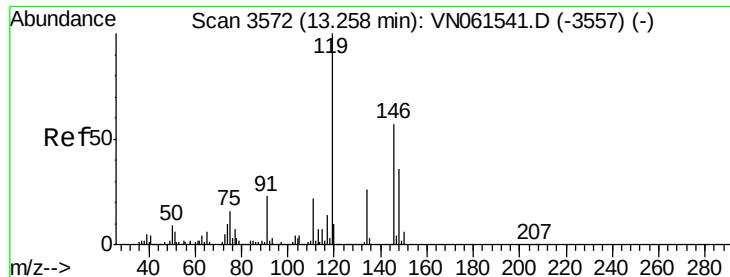
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 22.9 11.4 34.1





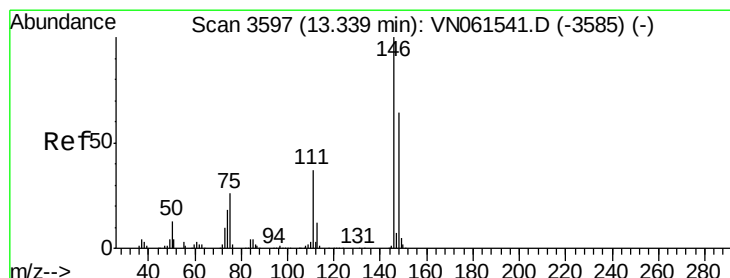
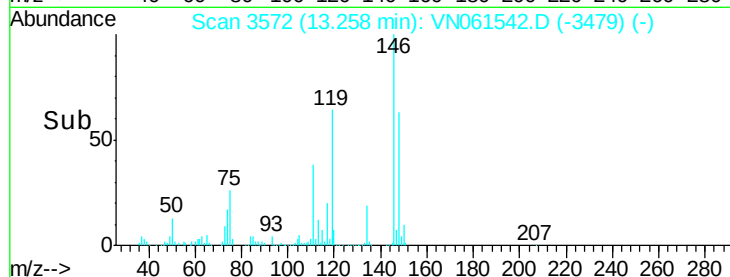
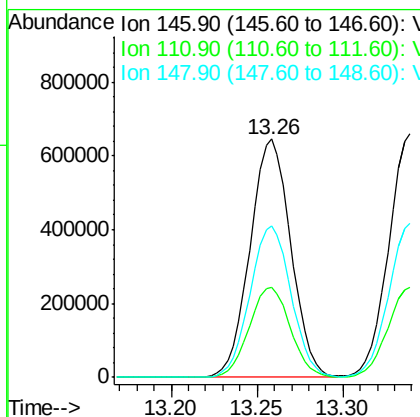
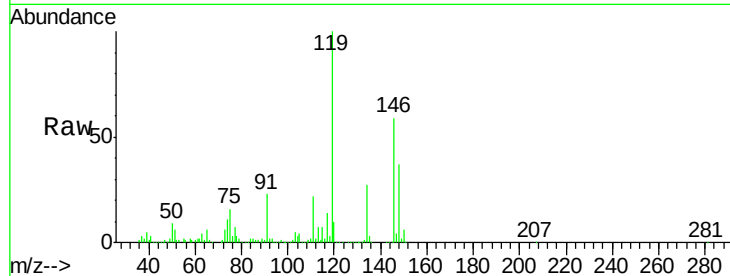
#87
 1,3-Dichlorobenzene
 Concen: 103.840 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.2	57.6
148	63.8	31.7	95.1

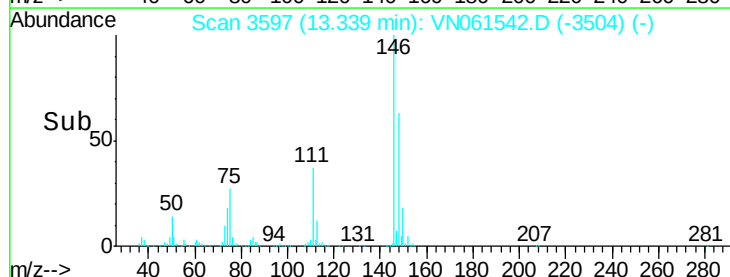
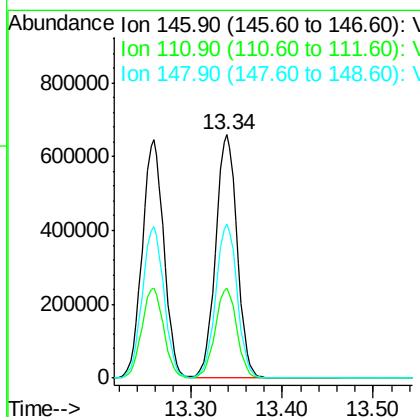
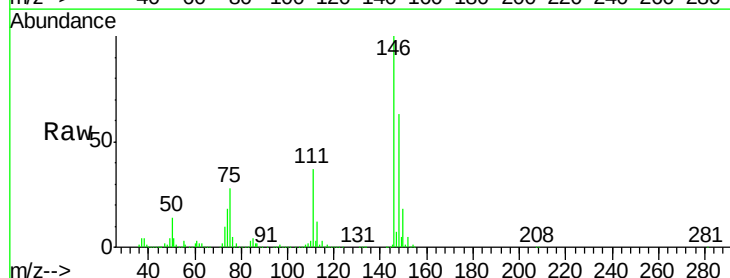
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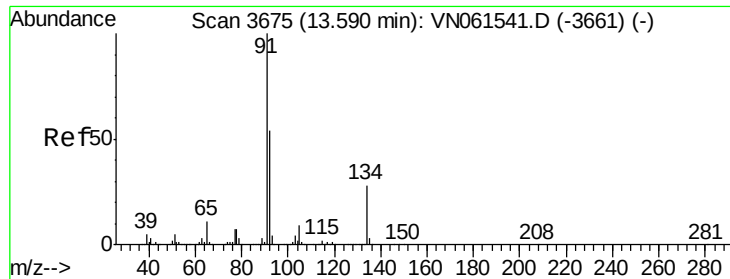
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#88
 1,4-Dichlorobenzene
 Concen: 104.979 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	63.5	31.8	95.3





#89

n-Butylbenzene

Concen: 90.136 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1727400

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

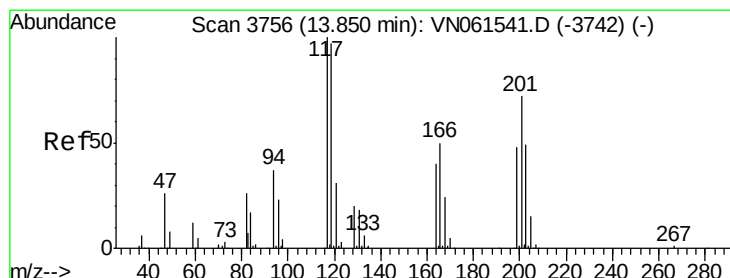
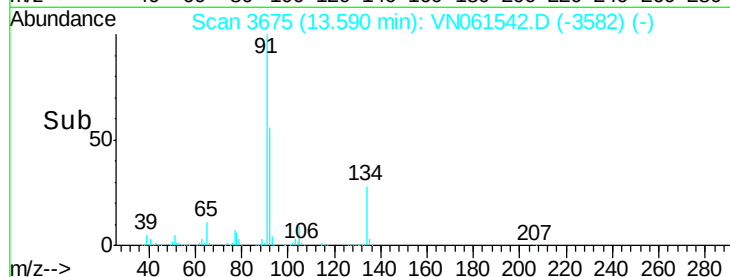
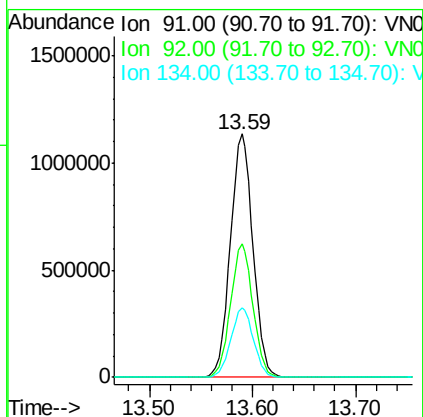
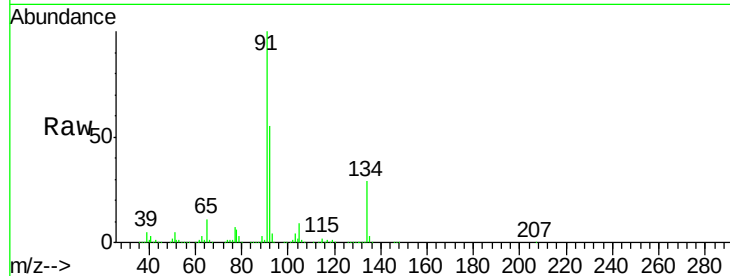
134 28.6 14.0 42.0

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#90

Hexachloroethane

Concen: 83.420 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061542.D

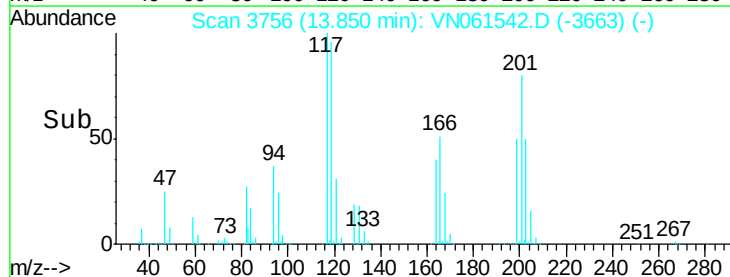
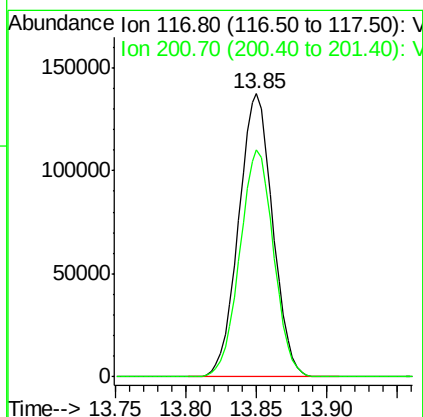
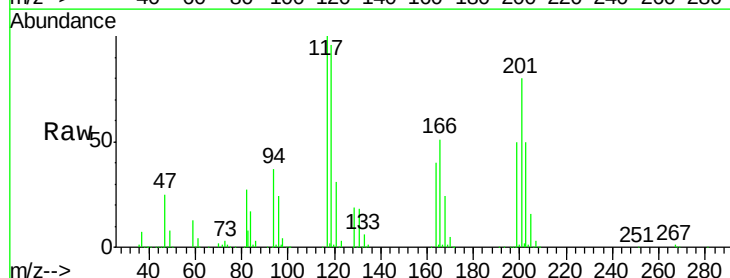
Acq: 28 May 2020 19:19

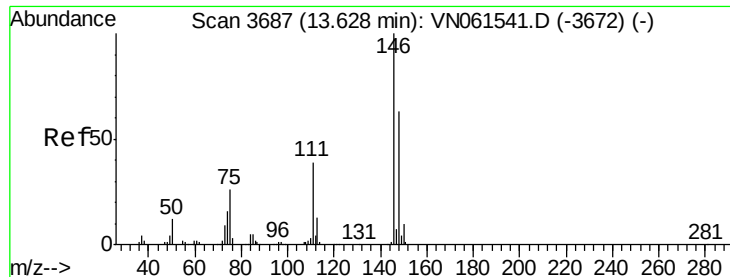
Tgt Ion: 117 Resp: 232485

Ion Ratio Lower Upper

117 100

201 79.7 36.7 110.1





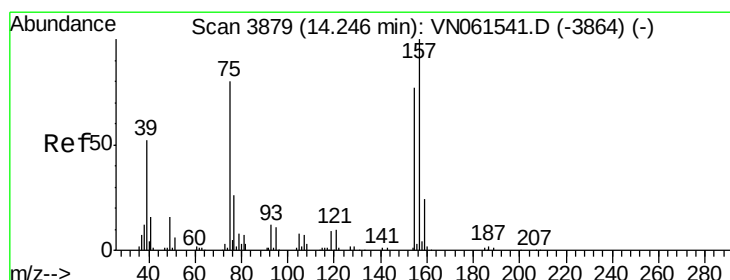
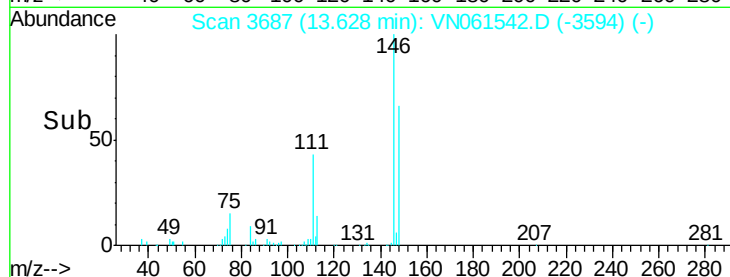
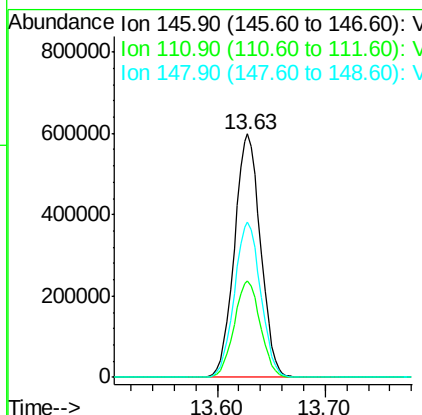
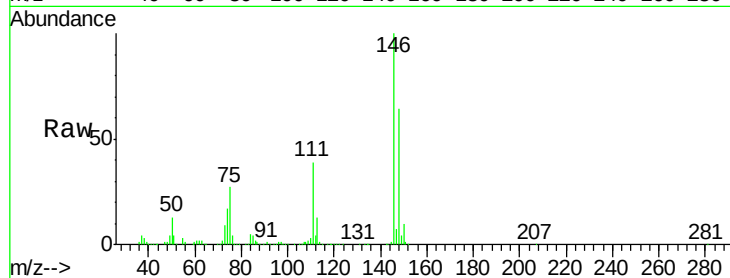
#91
 1,2-Dichlorobenzene
 Concen: 102.736 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	64.5	31.9	95.5

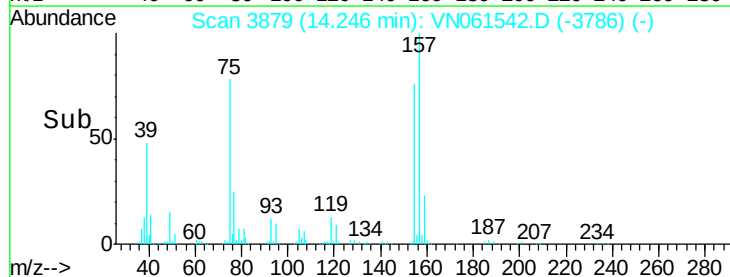
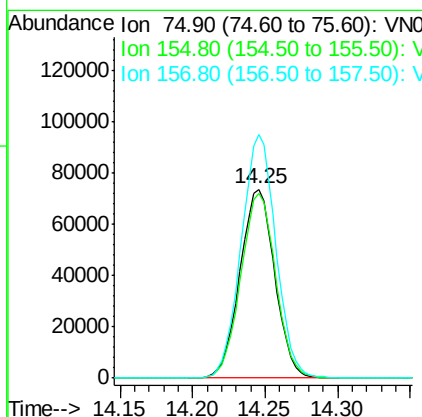
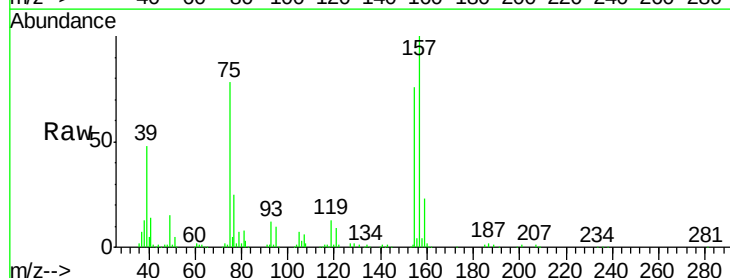
Manual Integrations
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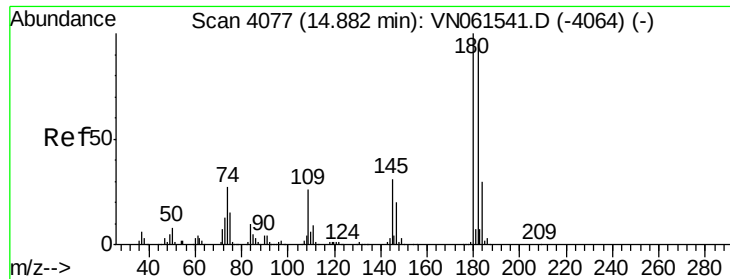
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 87.860 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	47.1	141.4
157	128.1	60.3	180.8





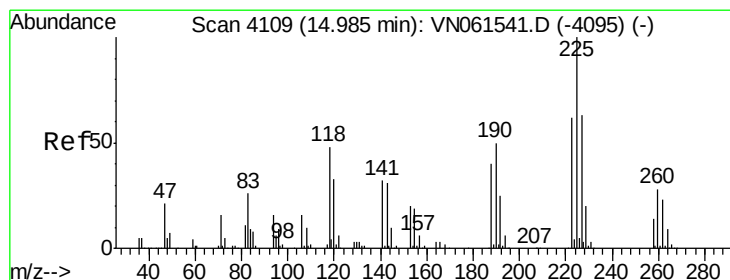
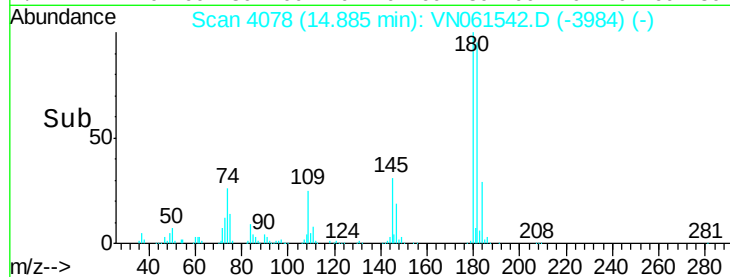
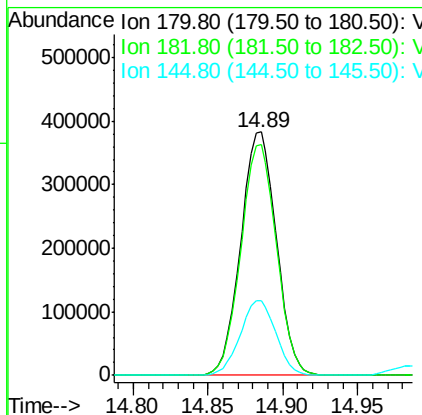
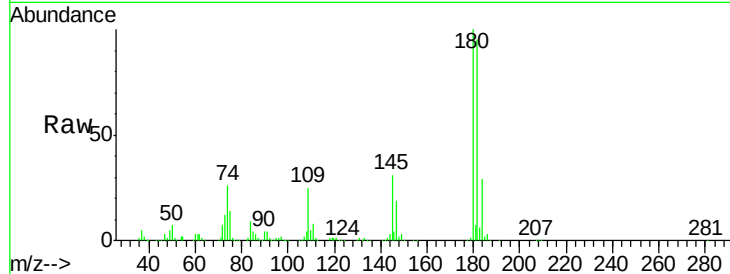
#93
 1,2,4-Trichlorobenzene
 Concen: 118.035 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	634616		
182	95.0	47.8	143.3	
145	30.9	15.5	46.5	

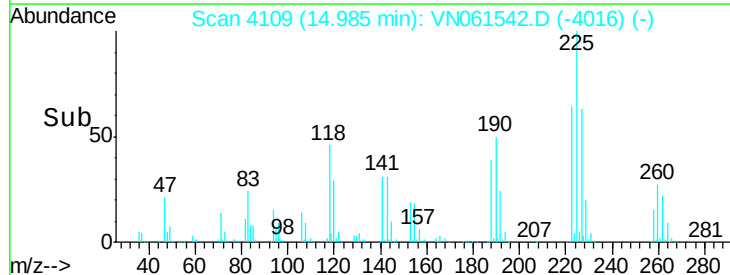
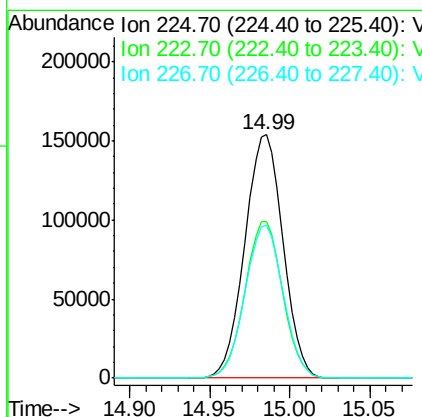
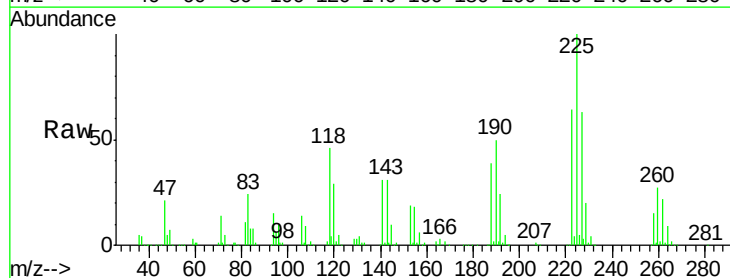
Manual Integrations
 APPROVED

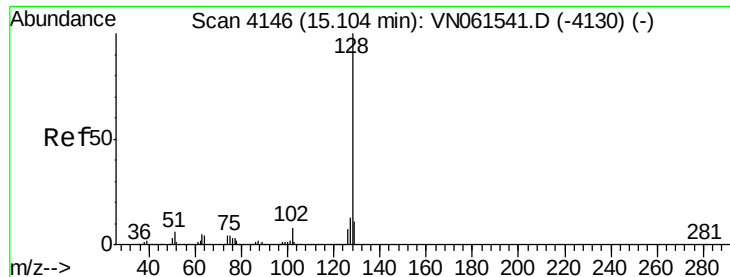
MMDadoda
 5/29/2020 5:46:51 PM



#94
 Hexachlorobutadiene
 Concen: 106.152 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251133		
223	63.3	31.9	95.5	
227	62.5	31.9	95.9	





#95

Naphthalene

Concen: 113.441 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1932890

Ion Ratio Lower Upper

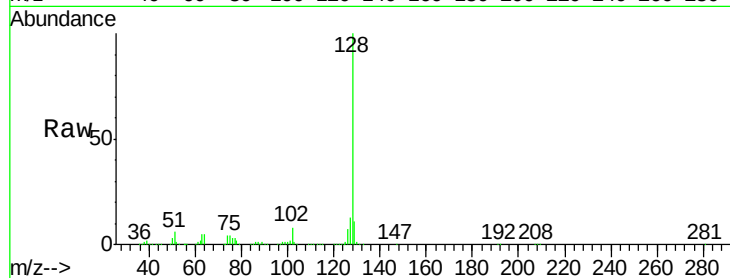
128 100

127 12.7 10.0 15.0

129 10.8 8.5 12.7

Manual Integrations
APPROVED

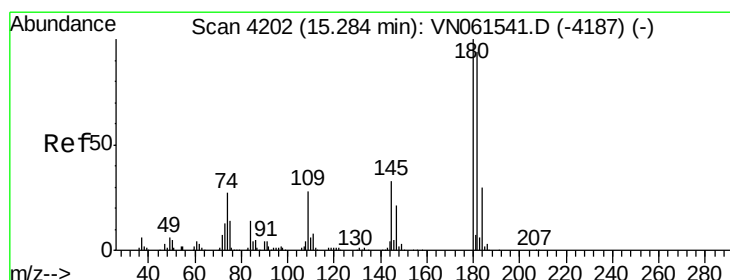
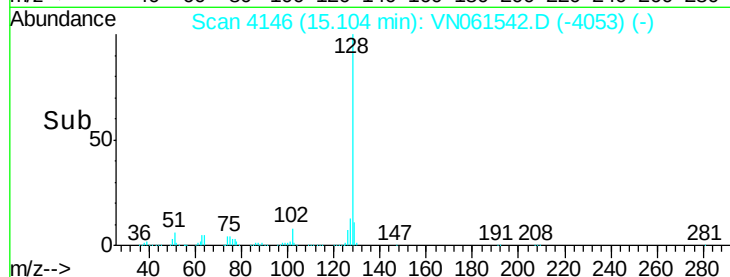
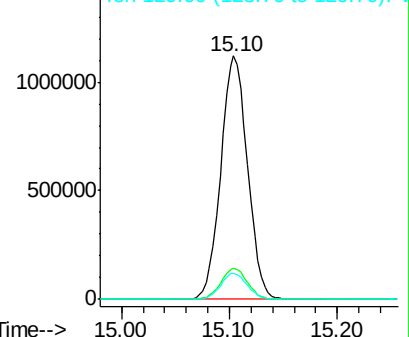
MMDadoda
5/29/2020 5:46:51 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 114.740 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

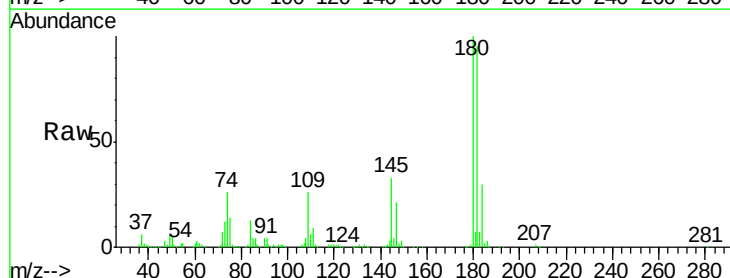
Tgt Ion:180 Resp: 616190

Ion Ratio Lower Upper

180 100

182 95.8 47.1 141.3

145 33.3 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

