

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062511.D
 Acq On : 13 Jul 2020 11:12
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:46 AM

Quant Time: Jul 14 00:49:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 13 10:35:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41688	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	235467	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	219580	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	104719	37.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	124.43%
60) 4-Bromofluorobenzene	12.38	95	117729	35.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	117.77%
63) Toluene-d8	10.06	98	308193	32.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	382816	203.344	ug/l 99
3) Chloromethane	2.04	50	557663	237.523	ug/l 99
4) Vinyl Chloride	2.16	62	471628	160.877	ug/l 97
5) Bromomethane	2.51	94	229849m	127.790	ug/l
6) Chloroethane	2.66	64	232635	120.276	ug/l 99
7) Trichlorofluoromethane	2.98	101	513979	127.058	ug/l 99
8) Diethyl Ether	3.37	74	264195	187.013	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	353739	160.324	ug/l 100
10) 1,1-Dichloroethene	3.69	96	362505	165.647	ug/l 98
11) Methyl Iodide	3.91	142	511634	176.754	ug/l 98
12) Methyl Acetate	4.27	43	488346	243.831	ug/l 99
13) Acrolein	3.56	56	409518	1445.561	ug/l 98
14) Acrylonitrile	4.93	53	1161884	1159.767	ug/l 99
15) Acetone	3.77	58	309280	976.214	ug/l 99
16) Carbon Disulfide	4.01	76	1197324	243.281	ug/l 100
17) Allyl chloride	4.27	41	822197	275.204	ug/l 99
18) Methylene Chloride	4.50	84	440893	171.843	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	396210	163.149	ug/l 97
20) Diisopropyl ether	5.90	45	1571780	231.433	ug/l 95
21) 1,1-Dichloroethane	5.80	63	841327	199.863	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	458332	161.020	ug/l 100
23) tert-Butyl Alcohol	4.74	59	384964	1021.213	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1348740	185.803	ug/l 99
25) Chloroform	7.33	83	764195	168.258	ug/l 97
26) Cyclohexane	7.61	56	758215	227.745	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	623334	185.526	ug/l 99
30) 2-Butanone	6.79	43	1581986	1175.766	ug/l 98
31) 2,2-Dichloropropane	6.77	77	679238	172.832	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	656627	158.062	ug/l 99
33) Carbon Tetrachloride	7.73	117	573604	166.785	ug/l 100
34) Benzene	8.00	78	1821244	175.070	ug/l # 90
35) Methacrylonitrile	7.13	41	313204	263.355	ug/l 96
36) 1,2-Dichloroethane	8.09	62	647689	187.382	ug/l 100
37) Trichloroethene	8.80	130	414764	136.346	ug/l 99
38) Methylcyclohexane	9.05	83	705668	188.229	ug/l 99
39) 1,2-Dichloropropane	9.08	63	520418	199.224	ug/l 98
40) Dibromomethane	9.18	93	299798	162.956	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	644576	171.189	ug/l	99
42) Vinyl Acetate	5.84	43	6594673	1205.664	ug/l	99
43) Ethyl Acetate	6.88	43	653846	241.279	ug/l	95
44) Isopropyl Acetate	8.12	43	1123451m	238.330	ug/l	
45) 1,4-Dioxane	9.17	88	149614	3387.241	ug/l	99
46) Methyl methacrylate	9.17	41	546721	257.639	ug/l	98
47) n-amyl Acetate	12.04	43	1025966	256.175	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	772910	191.692	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	822936	187.689	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	421948	158.190	ug/l	99
51) Ethyl methacrylate	10.40	69	748927	203.994	ug/l	97
52) 1,3-Dichloropropane	10.68	76	784193	179.279	ug/l	100
53) Dibromochloromethane	10.87	129	471791	152.666	ug/l	99
54) 1,2-Dibromoethane	10.98	107	438963	159.265	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1318120	974.690	ug/l	100
56) Bromoform	12.10	173	333219	154.276	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	3243161	1181.058	ug/l	97
59) 2-Hexanone	10.72	43	2405615	1200.010	ug/l	98
61) Tetrachloroethene	10.60	164	339566	106.841	ug/l	96
62) Toluene	10.12	91	1897795	164.949	ug/l	99
64) Chlorobenzene	11.41	112	1141684	157.726	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	417180	151.355	ug/l	99
66) Ethyl Benzene	11.48	91	2166388	171.577	ug/l	99
67) m/p-Xylenes	11.60	106	1584959	322.533	ug/l	97
68) o-Xylene	11.92	106	764982	164.252	ug/l	97
69) Styrene	11.94	104	1325107	167.225	ug/l	99
70) Isopropylbenzene	12.22	105	2031281	164.296	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	640059	186.053	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	628873m	195.820	ug/l	
73) Bromobenzene	12.50	156	472430	145.587	ug/l	99
74) n-propylbenzene	12.57	91	2472923	176.000	ug/l	99
75) 2-Chlorotoluene	12.65	91	1473549	176.131	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	1763786	171.116	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	251219	212.322	ug/l	94
78) 4-Chlorotoluene	12.75	91	1538141	177.642	ug/l	100
79) tert-butylbenzene	12.97	119	1475921	165.964	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	1764498	170.661	ug/l	99
81) sec-Butylbenzene	13.15	105	1988157	173.002	ug/l	100
82) p-Isopropyltoluene	13.26	119	1768234	167.226	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	846628	147.262	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	843482	149.635	ug/l	99
85) n-Butylbenzene	13.59	91	1596626	183.015	ug/l	98
86) Hexachloroethane	13.85	117	339781	214.971	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	794188	145.460	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	131814	204.673	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	474706	152.346	ug/l	98
90) Hexachlorobutadiene	14.98	225	214610	152.469	ug/l	97
91) Naphthalene	15.10	128	1298537	150.380	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	459922	150.197	ug/l	98

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QLast Update : Mon Jul 13 10:35:22 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

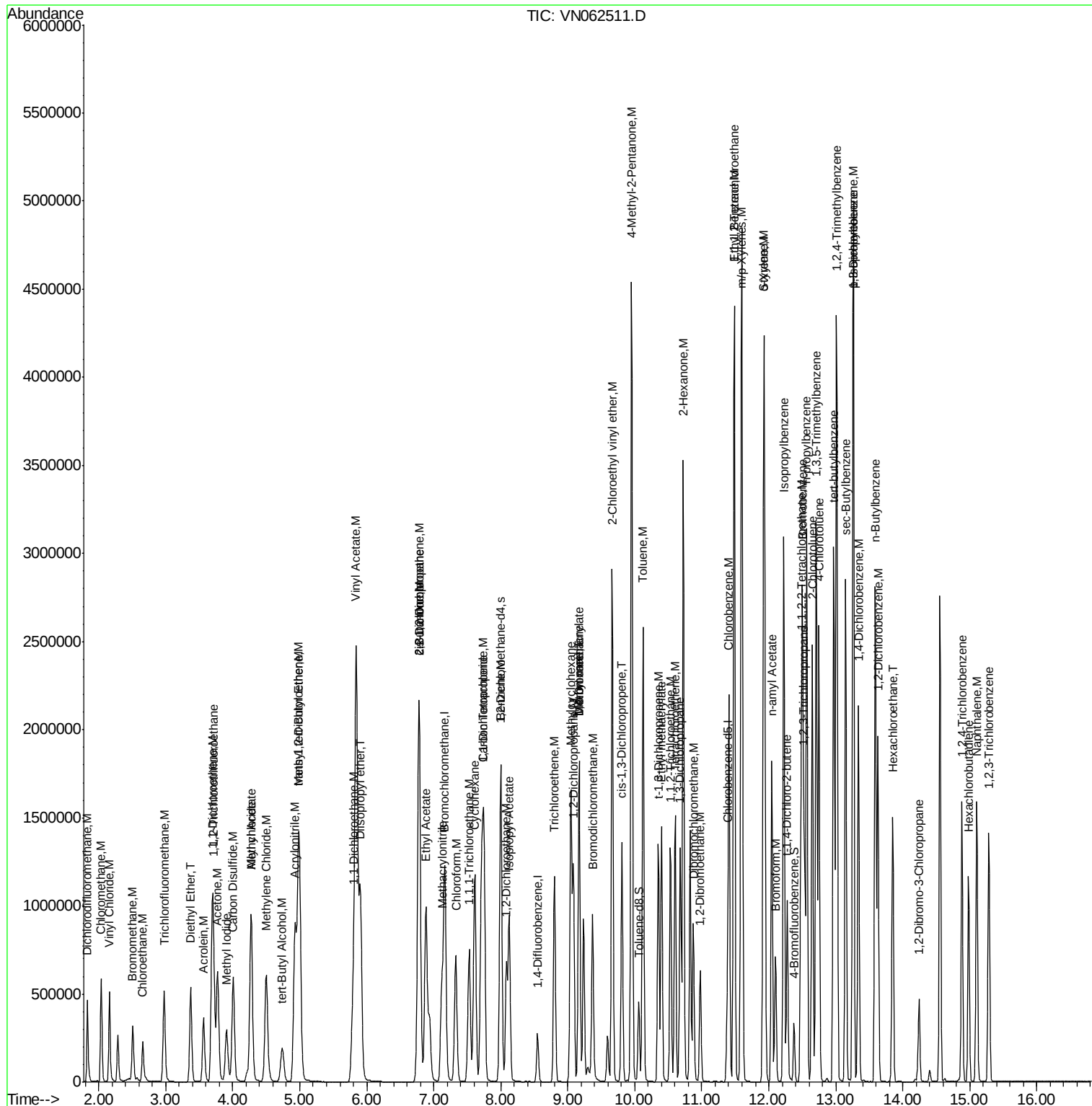
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
Data File : VN062511.D
Acq On : 13 Jul 2020 11:12
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

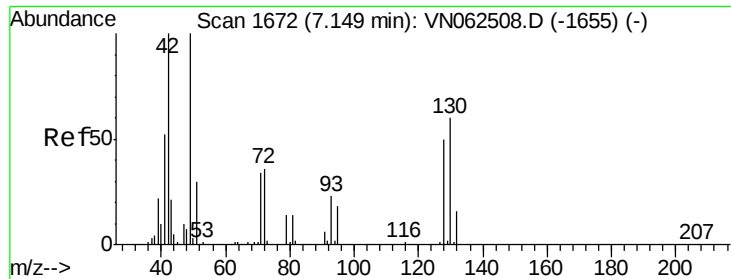
Instrument :
MSVOA_N
ClientSampleId :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 41688

Ion Ratio Lower Upper

128 100

49 220.5 0.0 525.0

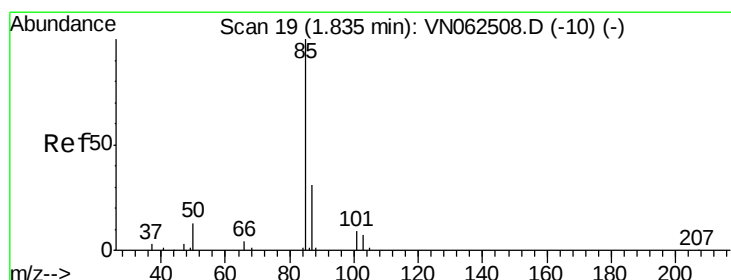
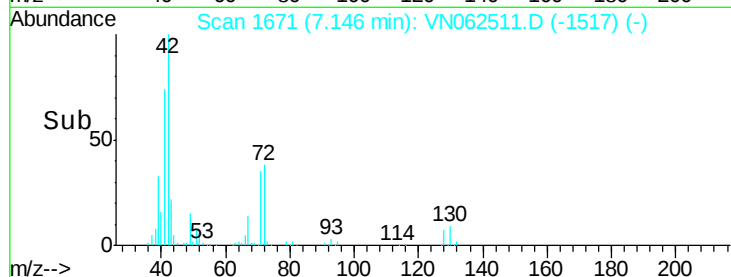
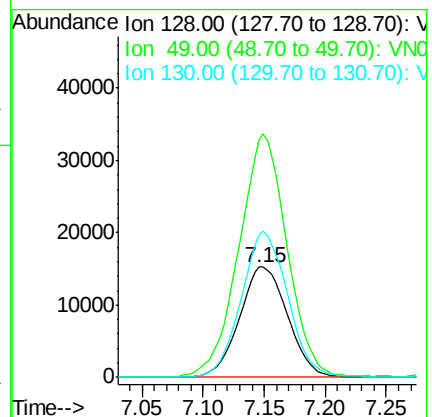
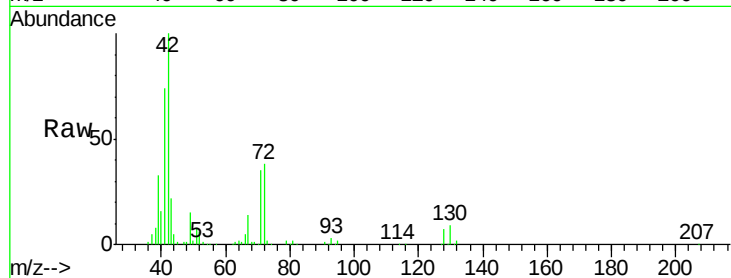
130 127.9 0.0 319.8

Manual Integrations

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7/14/2020 11:36:46 AM



#2

Dichlorodifluoromethane

Concen: 203.344 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062511.D

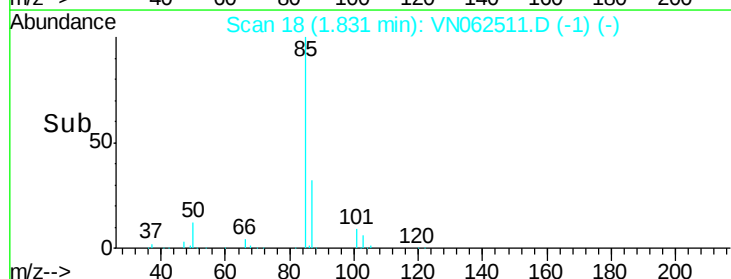
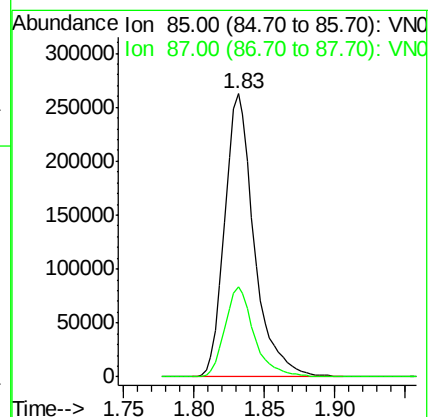
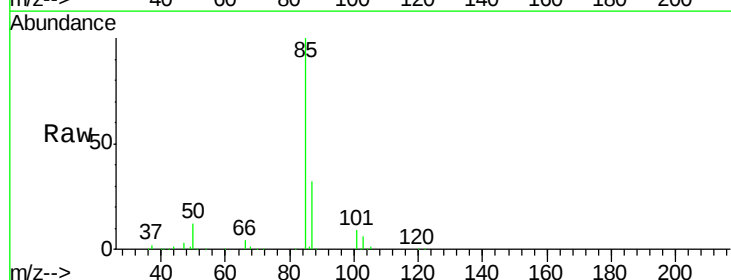
Acq: 13 Jul 2020 11:12

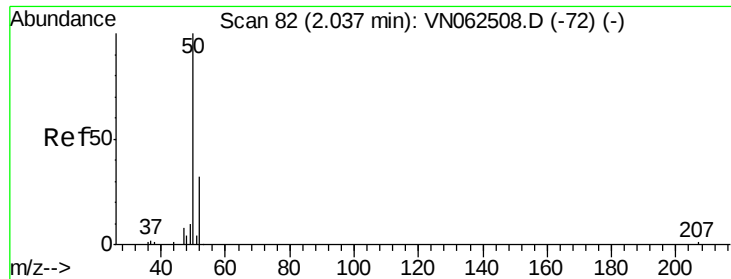
Tgt Ion: 85 Resp: 382816

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.7





#3

Chloromethane

Concen: 237.523 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 557663

Ion Ratio Lower Upper

50 100

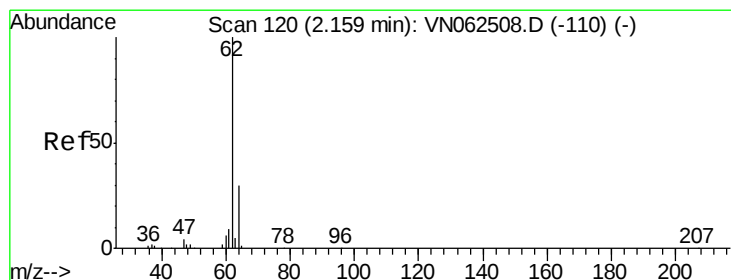
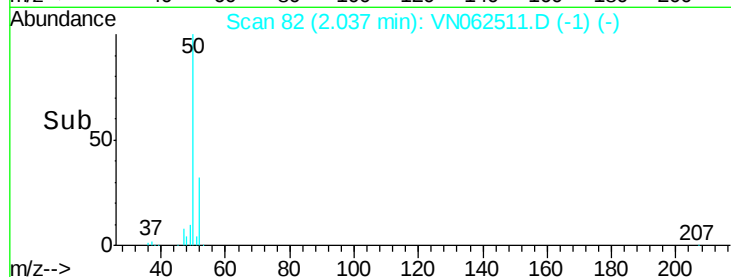
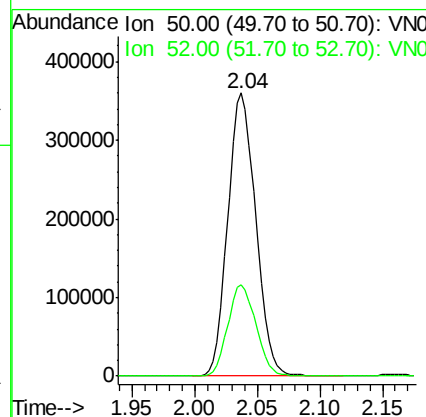
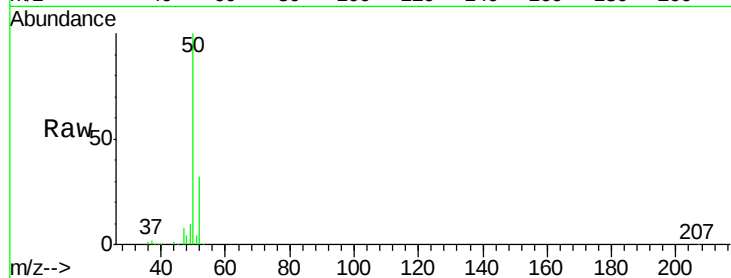
52 32.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 160.877 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062511.D

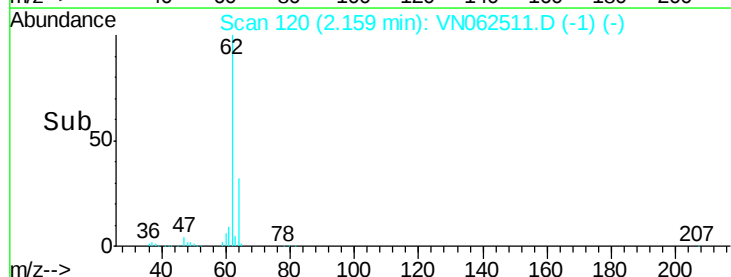
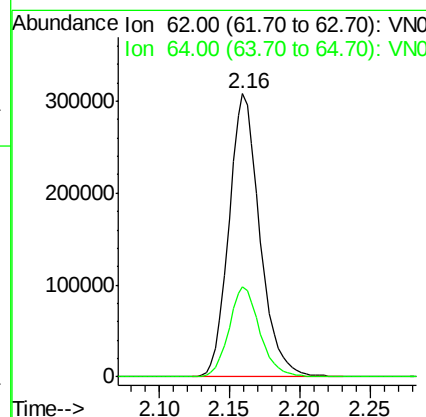
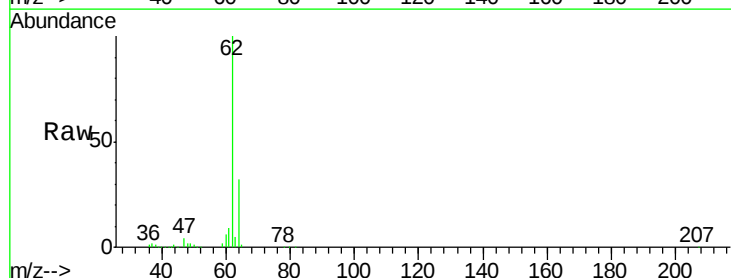
Acq: 13 Jul 2020 11:12

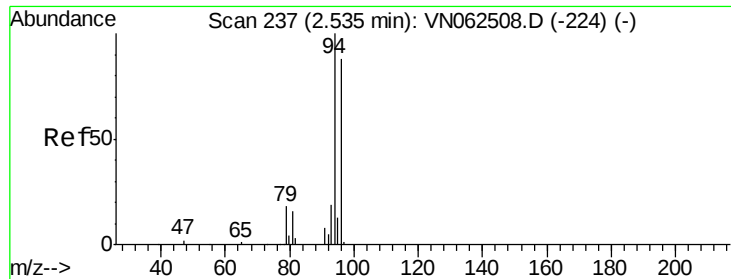
Tgt Ion: 62 Resp: 471628

Ion Ratio Lower Upper

62 100

64 31.9 24.3 36.5





#5

Bromomethane

Concen: 127.790 ug/l m

RT: 2.51 min Scan# 228

Delta R.T. -0.03 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 229849

Ion Ratio Lower Upper

94 100

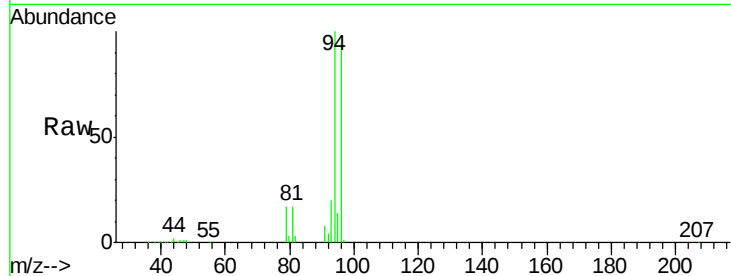
96 93.9 70.2 105.4

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN062508.D (-224) (-)

Ion 96.00 (95.70 to 96.70): VN062508.D (-224) (-)

2.51

120000

100000

80000

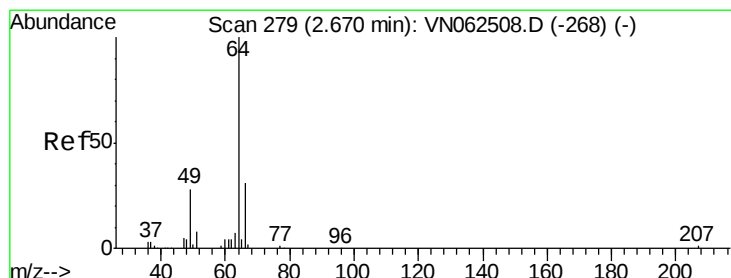
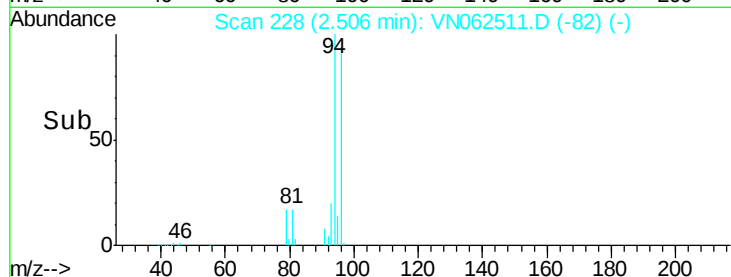
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 120.276 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN062511.D

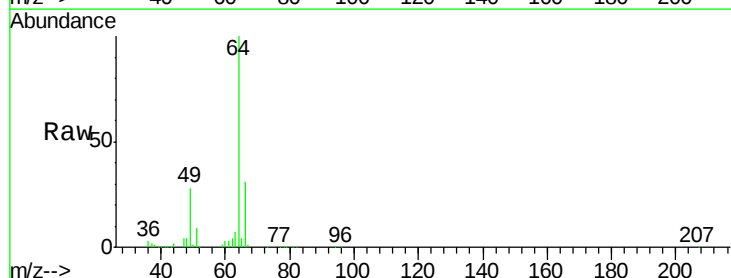
Acq: 13 Jul 2020 11:12

Tgt Ion: 64 Resp: 232635

Ion Ratio Lower Upper

64 100

66 30.7 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN062508.D (-268) (-)

Ion 66.00 (65.70 to 66.70): VN062508.D (-268) (-)

2.66

120000

100000

80000

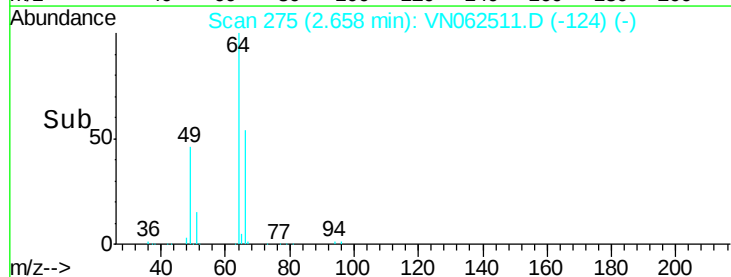
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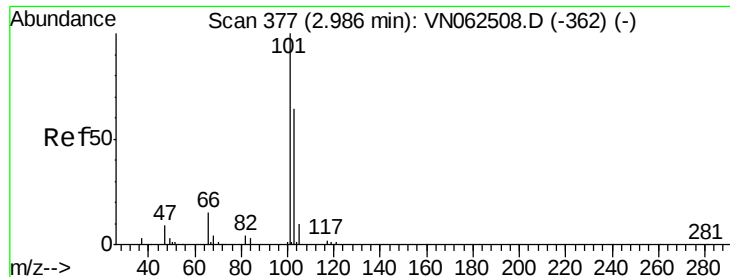
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20000

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Time-->





#7

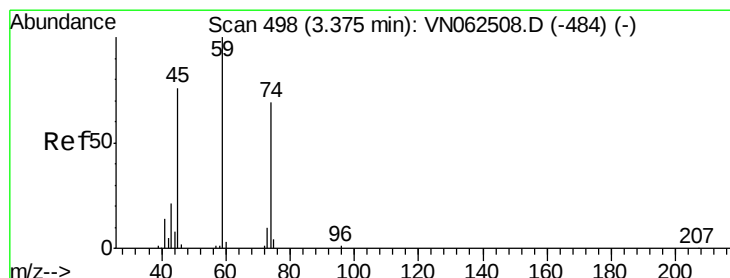
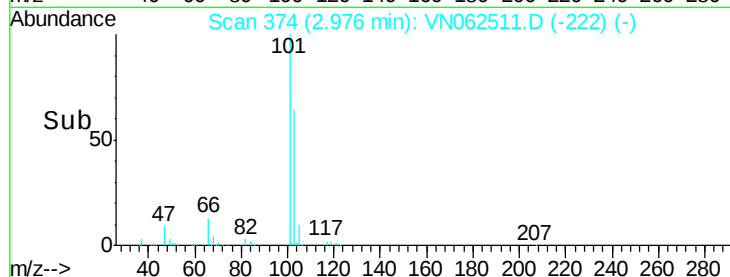
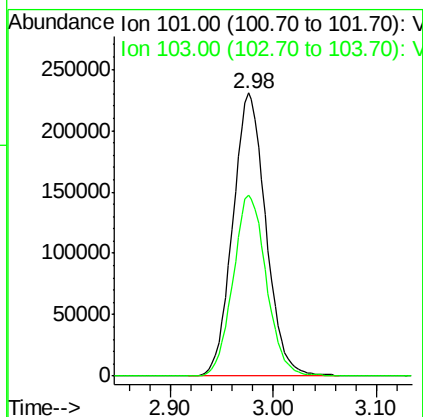
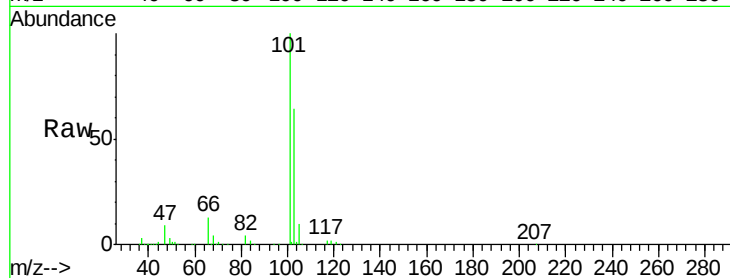
Trichlorofluoromethane
Concen: 127.058 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.01 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.9	76.3

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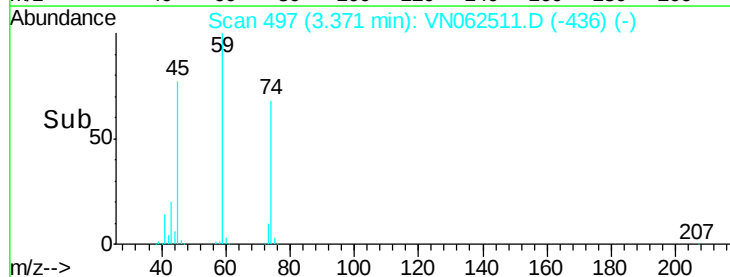
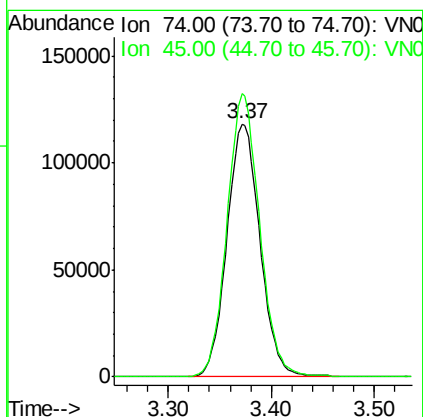
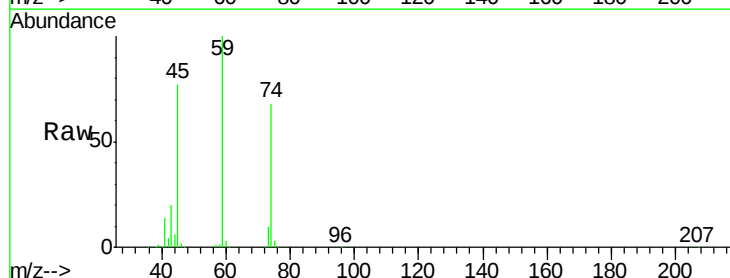
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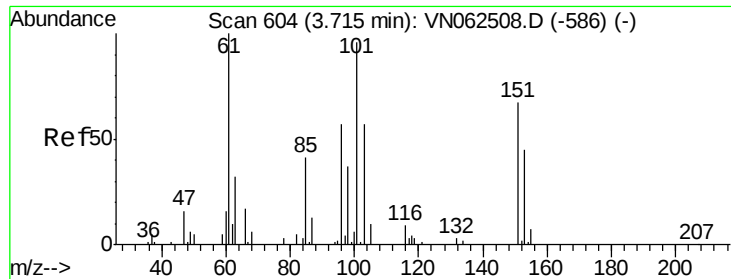


#8

Diethyl Ether
Concen: 187.013 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.5	21.8	196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 160.324 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062511.D

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Instrument :

MSVOA_N

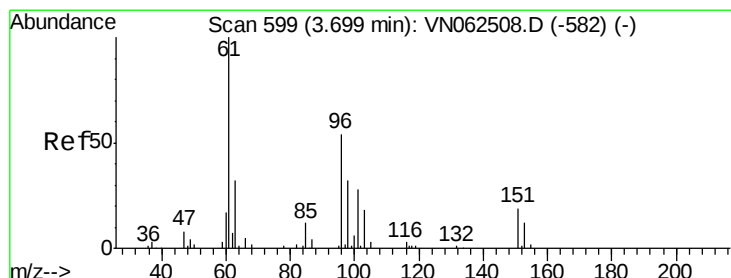
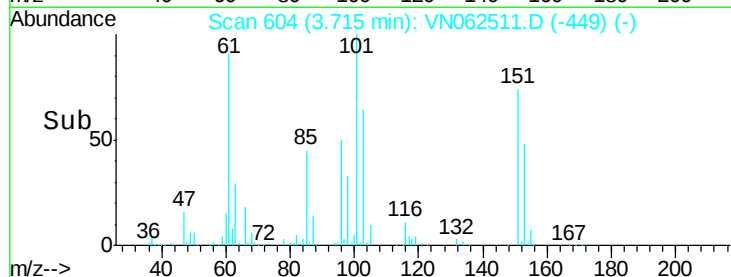
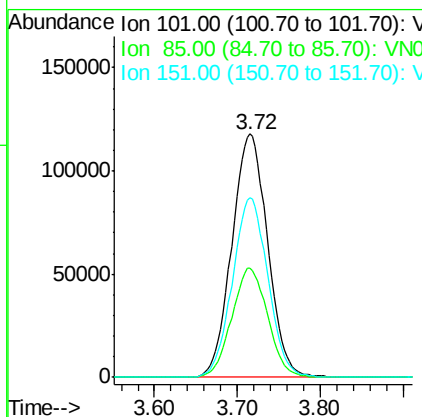
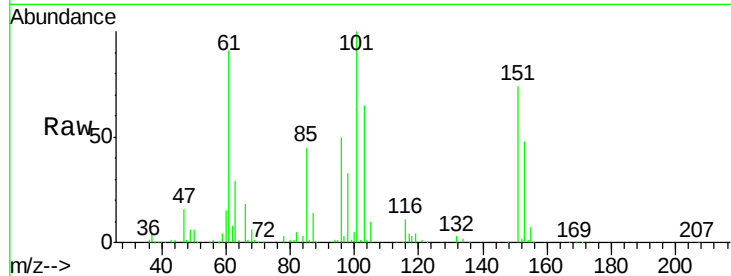
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	353739
Ion Ratio	Lower	Upper	
101	100		
85	45.0	0.0	90.4
151	73.3	0.0	145.6

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#10

1,1-Dichloroethene

Concen: 165.647 ug/l

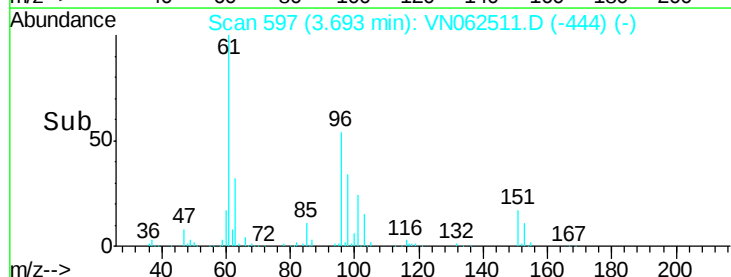
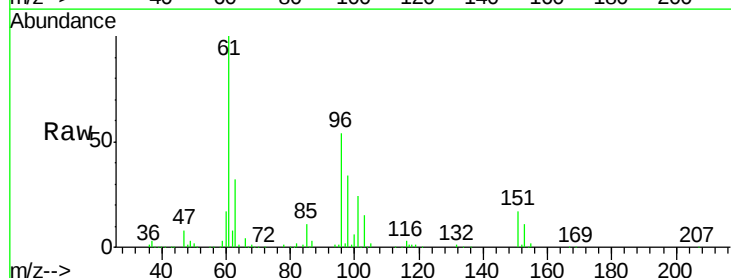
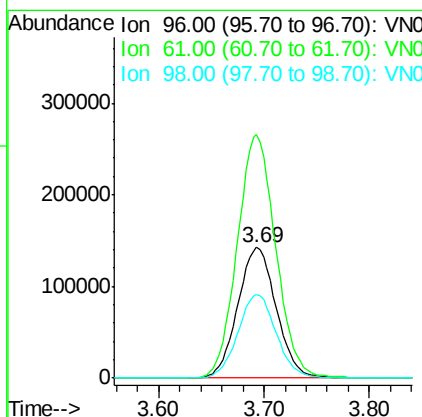
RT: 3.69 min Scan# 597

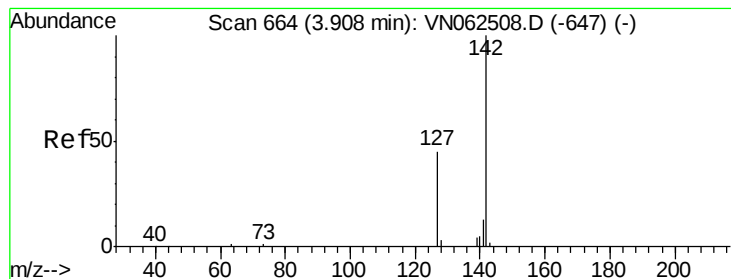
Delta R.T. -0.01 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	96	Resp:	362505
Ion Ratio	Lower	Upper	
96	100		
61	186.6	147.8	221.8
98	64.4	47.8	71.8





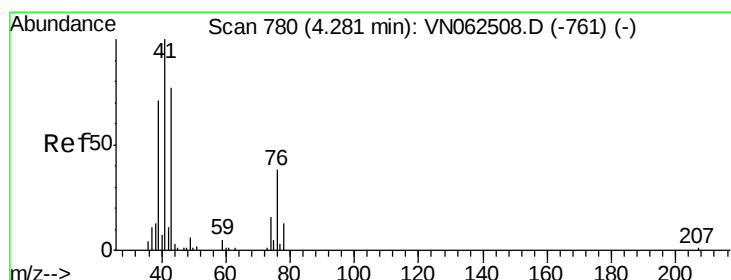
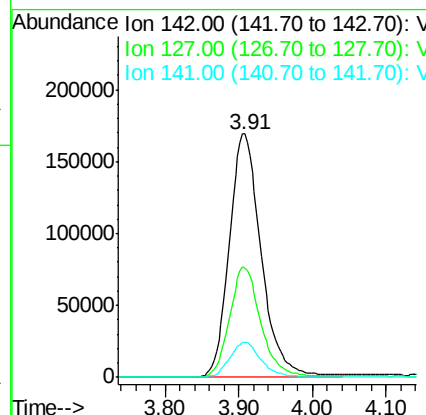
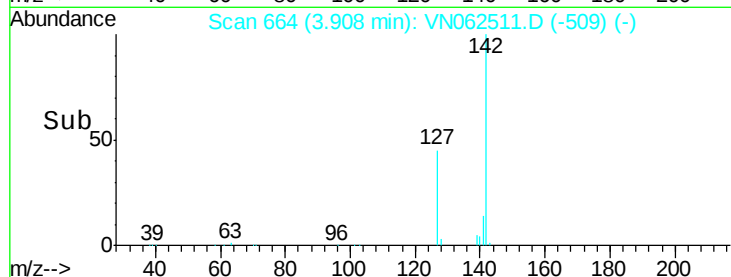
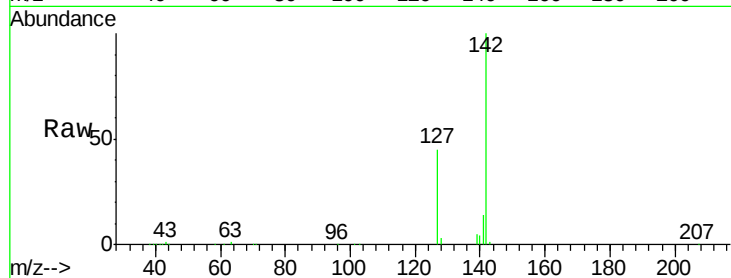
#11
Methvl Iodide
Concen: 176.754 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.1	22.1	66.5
141	14.5	6.5	19.4

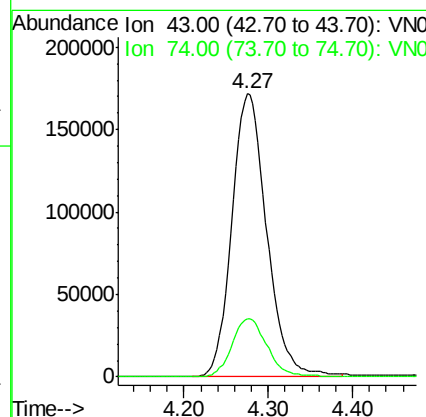
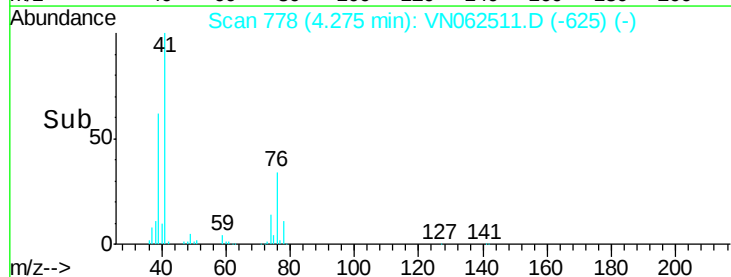
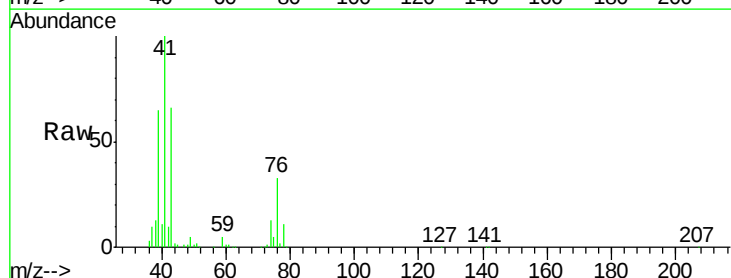
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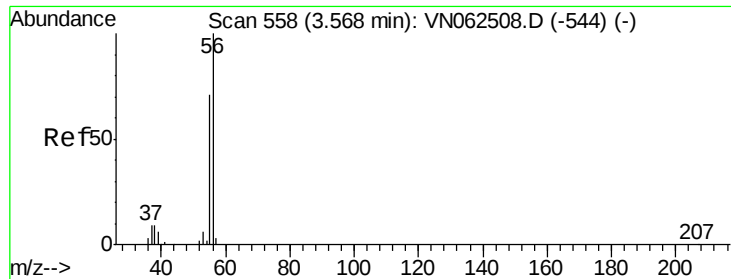
MMDadoda
7/14/2020 11:36:46 AM



#12
Methyl Acetate
Concen: 243.831 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.01 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.7	25.1





#13

Acrolein

Concen: 1445.561 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 409518

Ion Ratio Lower Upper

56 100

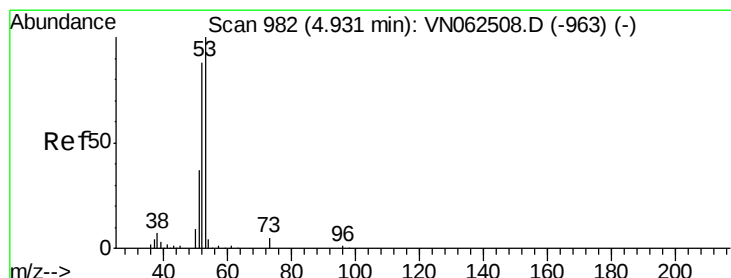
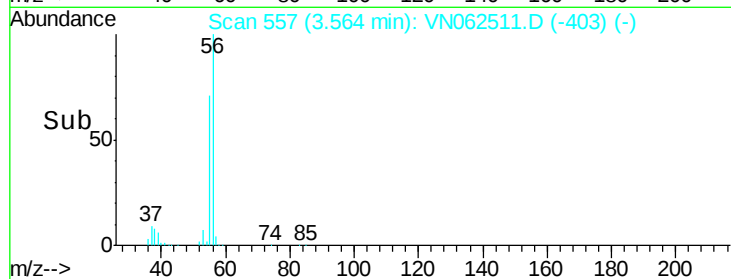
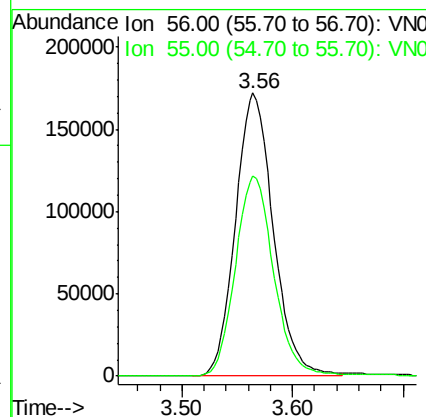
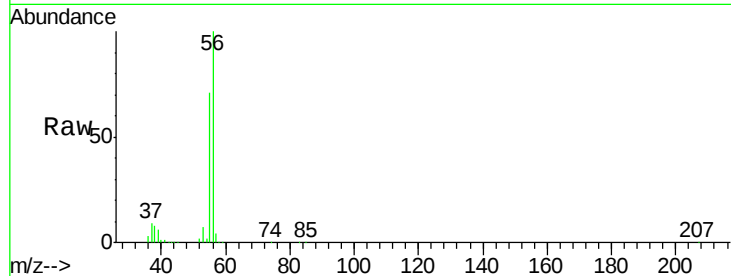
55 71.9 56.0 84.0

Manual Integrations

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#14

Acrylonitrile

Concen: 1159.767 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

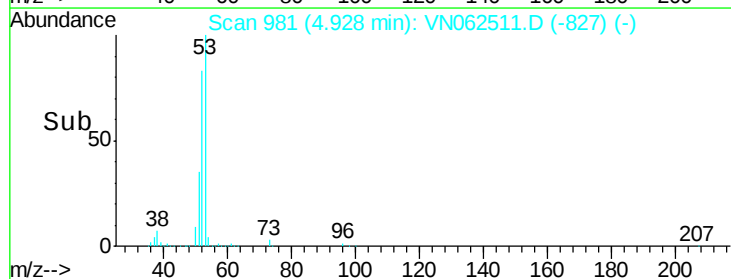
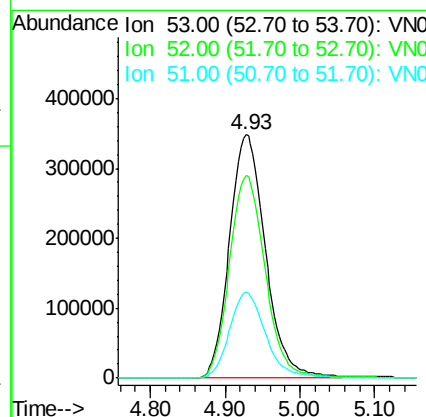
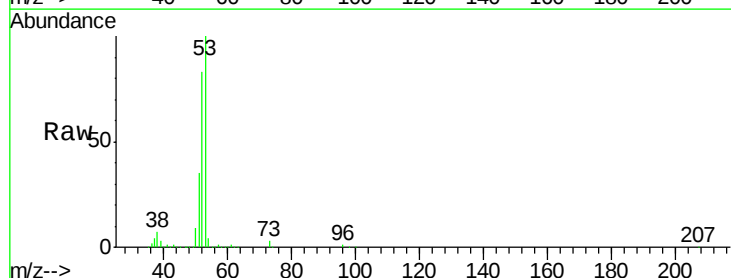
Tgt Ion: 53 Resp: 1161884

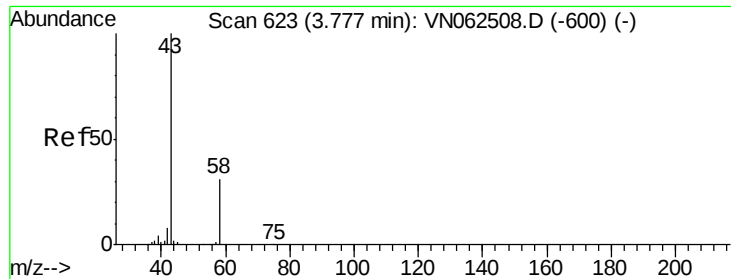
Ion Ratio Lower Upper

53 100

52 82.6 41.8 125.4

51 35.7 18.5 55.5





#15

Acetone

Concen: 976.214 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tot Ion: 58 Resp: 309280

Ion Ratio Lower Upper

58 100

43 323.9 261.1 391.7

Instrument :

MSVOA_N

ClientSampleId :

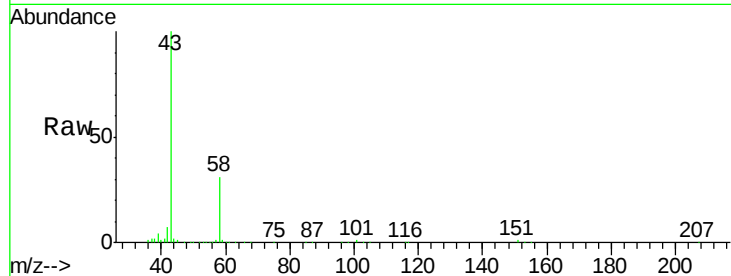
VSTDIC150

Manual Integrations

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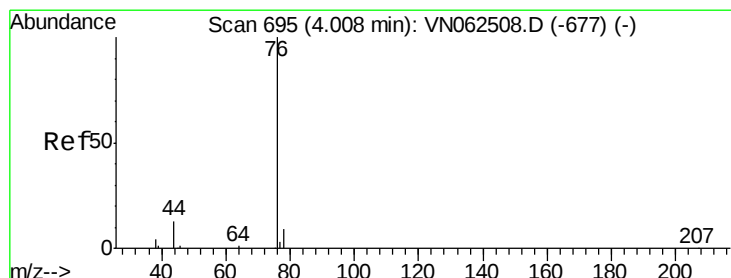
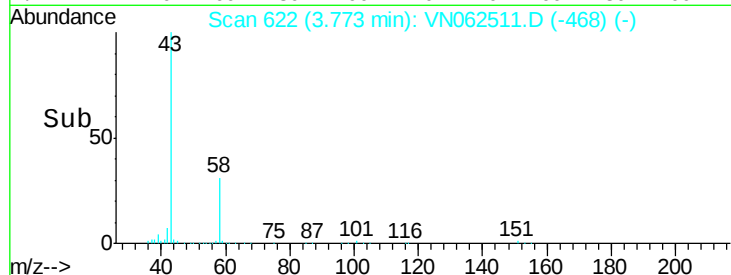
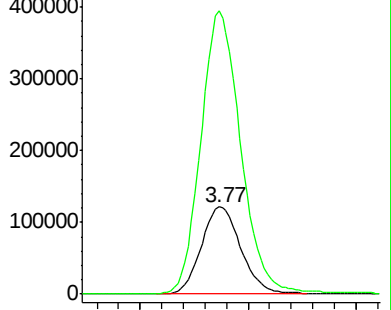
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Abundance Ion 58.00 (57.70 to 58.70): VN062508.D (-600) (-)

Ion 43.00 (42.70 to 43.70): VN062508.D (-600) (-)



#16

Carbon Disulfide

Concen: 243.281 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062511.D

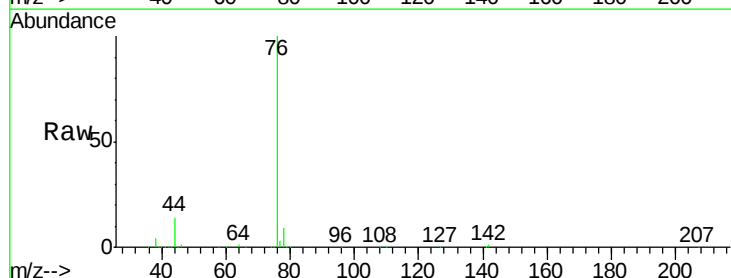
Acq: 13 Jul 2020 11:12

Tgt Ion: 76 Resp: 1197324

Ion Ratio Lower Upper

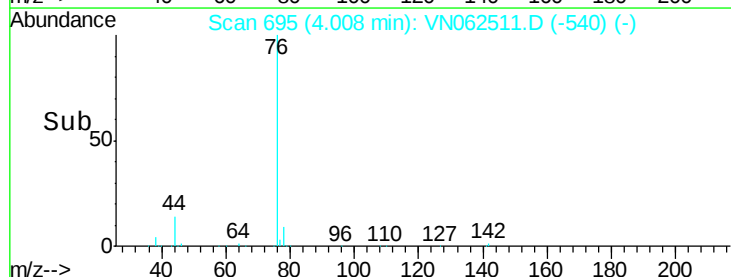
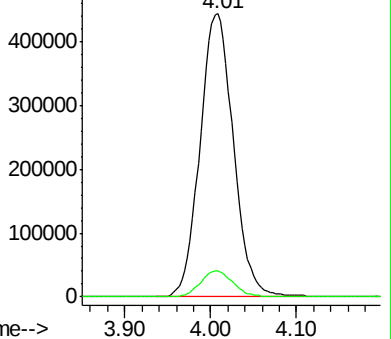
76 100

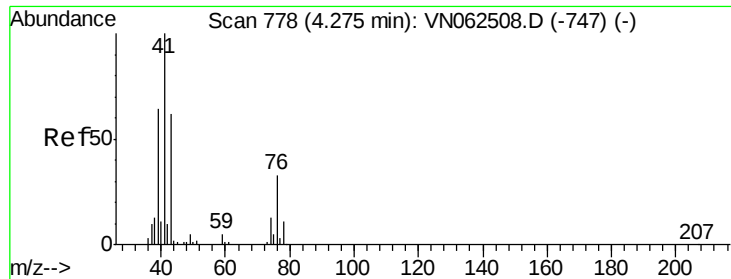
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN062508.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062508.D (-677) (-)





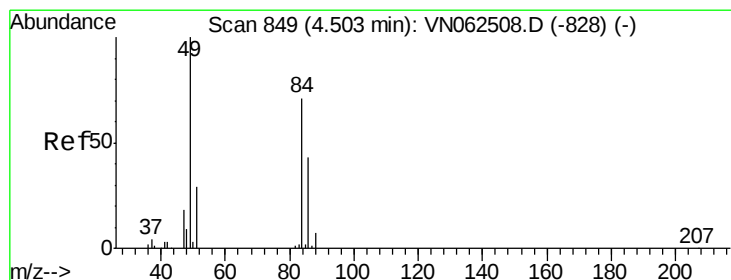
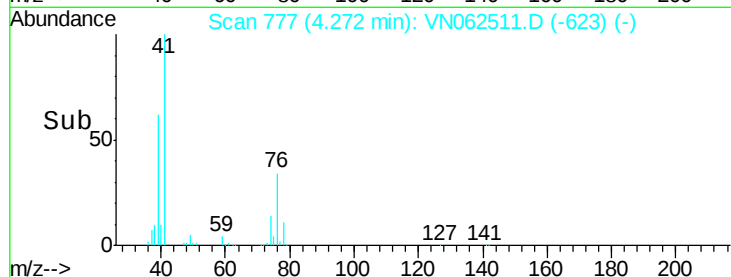
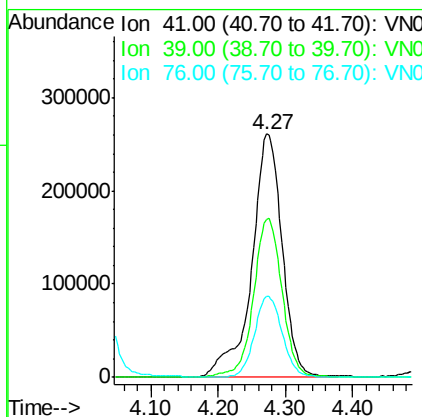
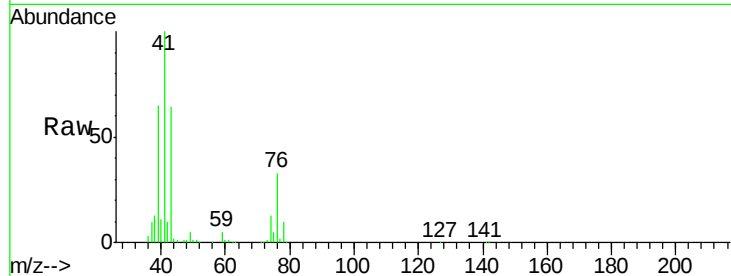
#17
Allvl chloride
Concen: 275.204 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
41	100	822197		
39	65.1		31.9	95.5
76	33.0		16.6	49.8

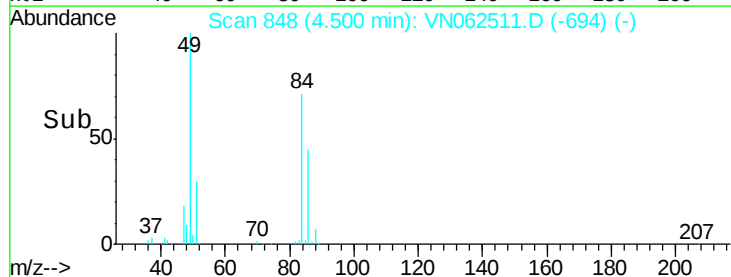
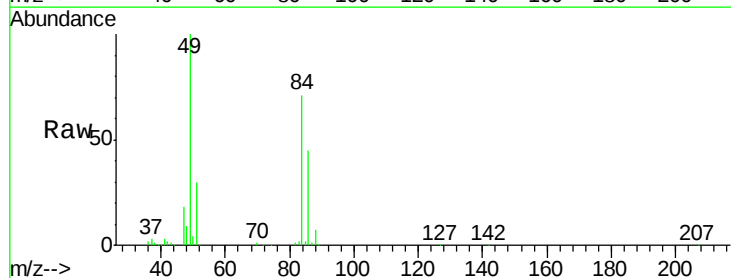
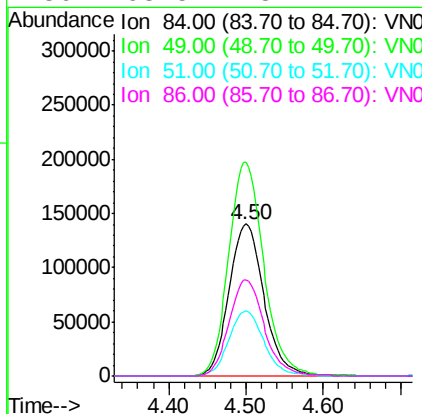
Manual Integrations
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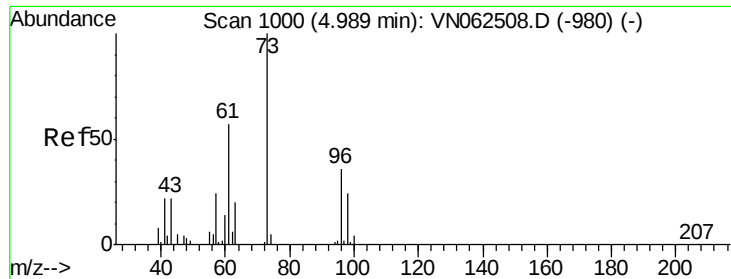
MMDadoda
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#18
Methylene Chloride
Concen: 171.843 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	440893		
49	140.6		112.1	168.1
51	42.8		33.0	49.4
86	63.5		48.2	72.4





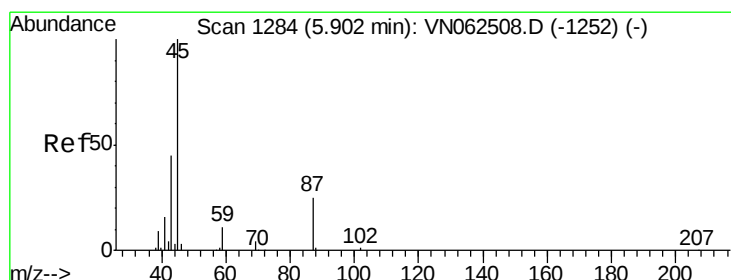
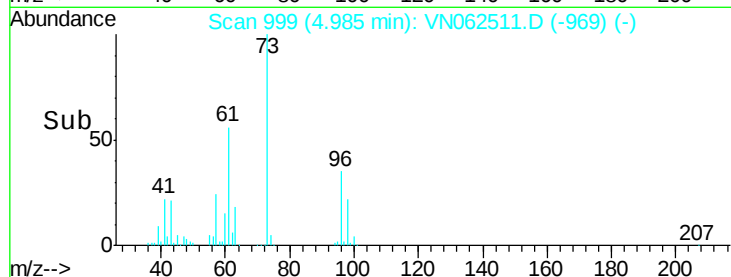
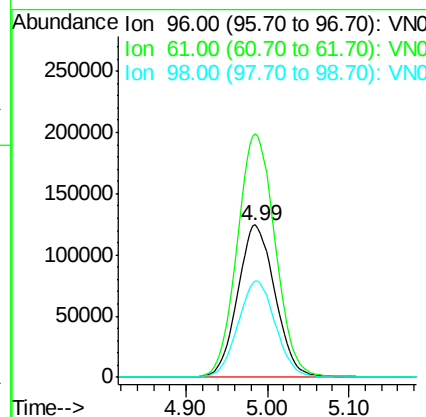
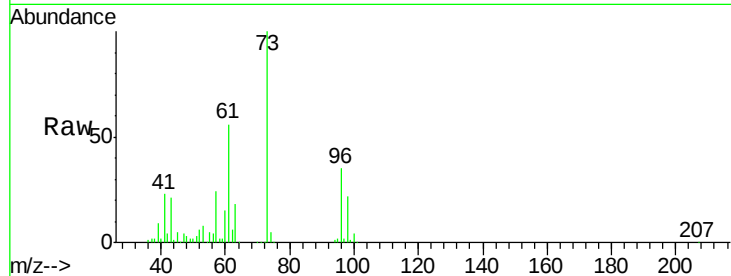
#19
trans-1,2-Dichloroethene
Concen: 163.149 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.0	125.7	188.5
98	63.3	54.1	81.1

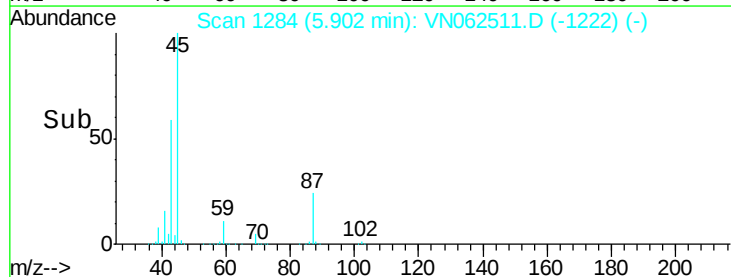
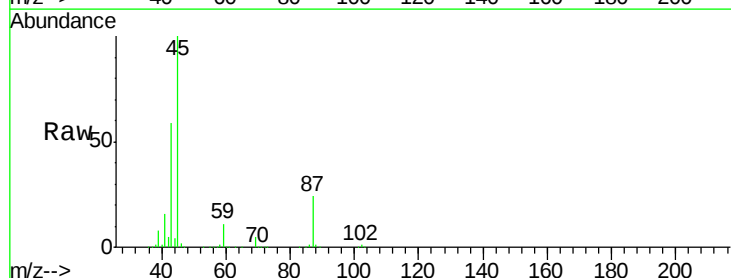
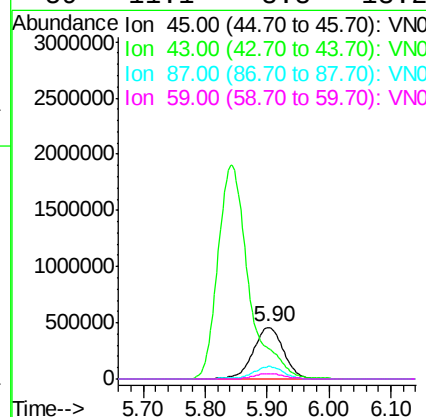
Manual Integrations
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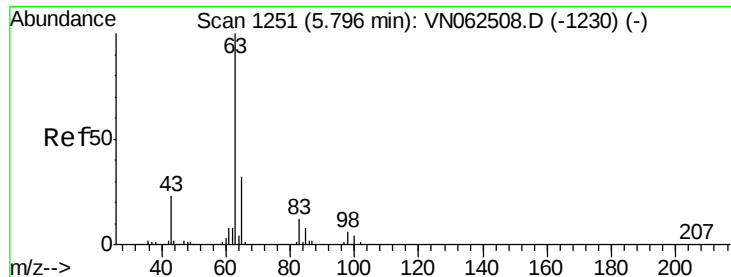
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#20
Diisopropyl ether
Concen: 231.433 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	51.3	76.9
87	24.0	19.8	29.6
59	11.1	8.8	13.2





#21

1,1-Dichloroethane

Concen: 199.863 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

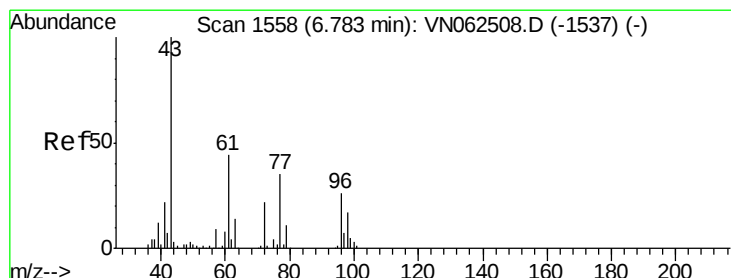
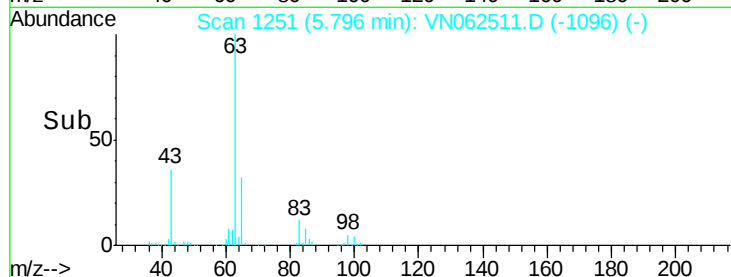
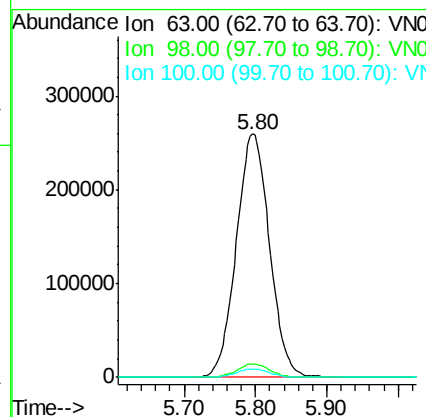
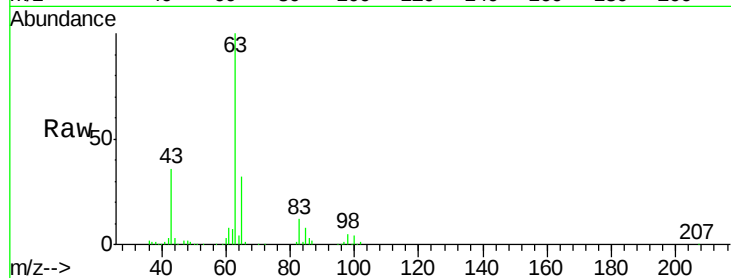
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	841327
Ion Ratio		Lower	Upper
63	100		
98	5.3	2.8	8.4
100	3.6	2.0	5.8

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 161.020 ug/l

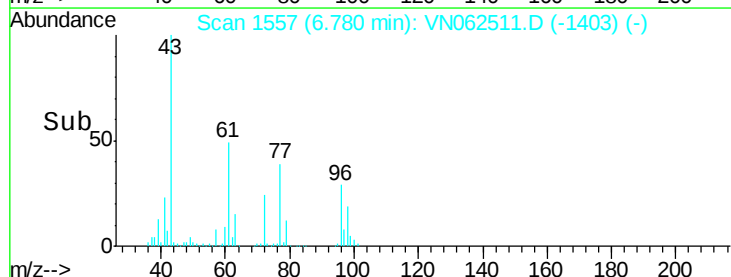
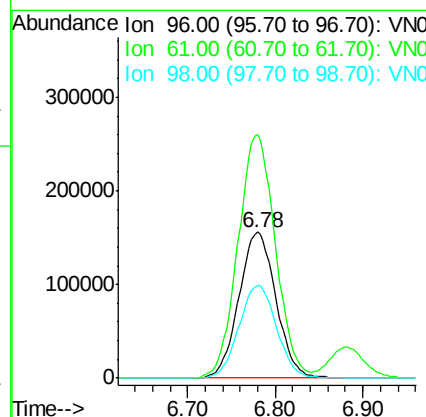
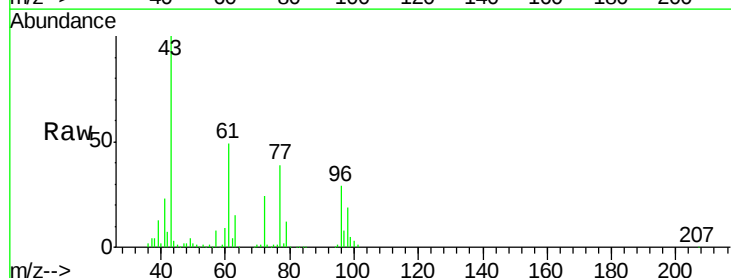
RT: 6.78 min Scan# 1557

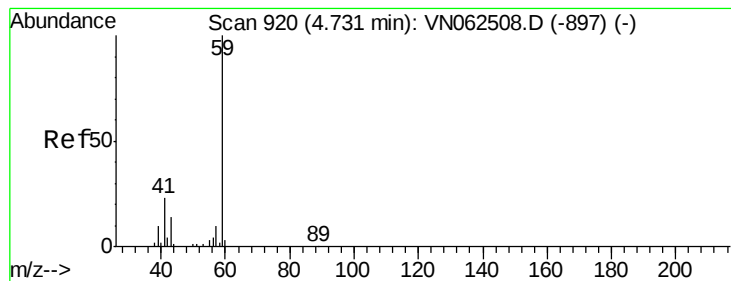
Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	96	Resp:	458332
Ion Ratio		Lower	Upper
96	100		
61	168.2	134.9	202.3
98	64.4	51.5	77.3





#23

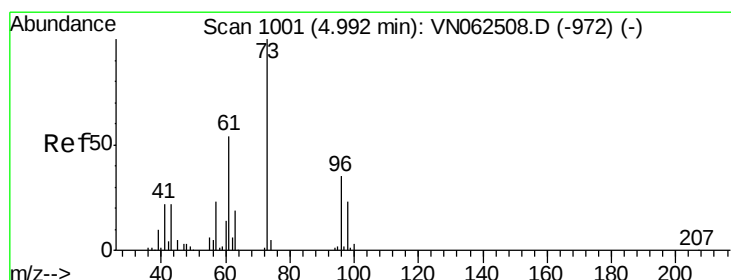
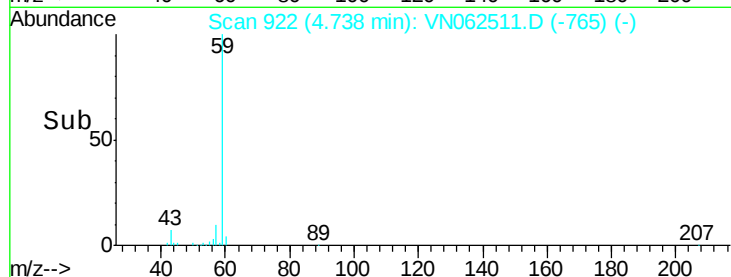
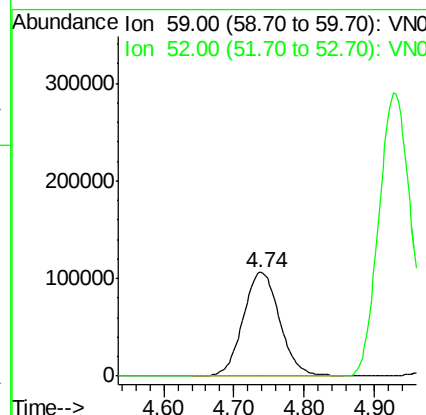
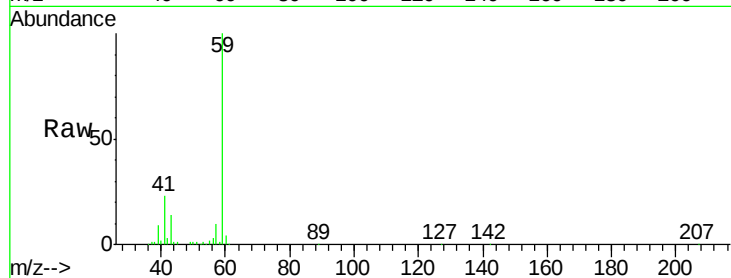
tert-Butyl Alcohol
 Concen: 1021.213 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	384964		
52	52	0.1		0.0	0.0#

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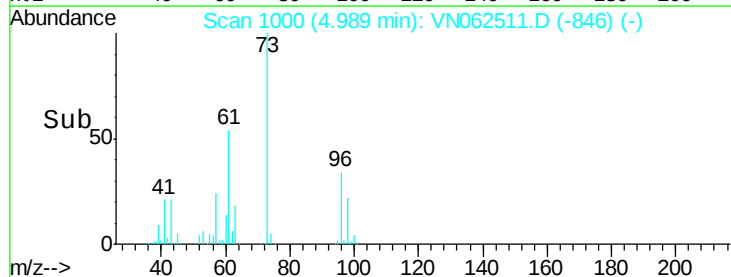
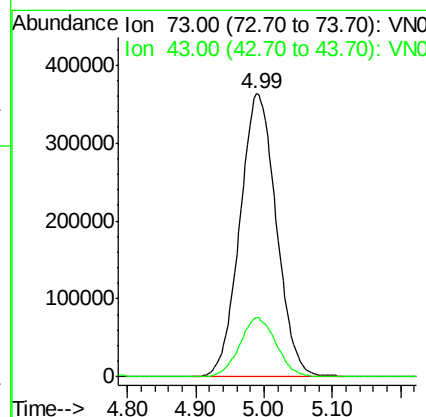
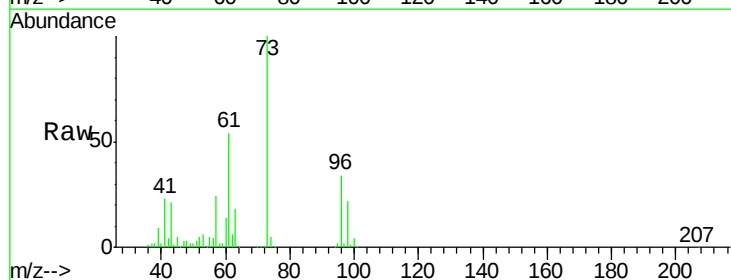
MMDadoda
 7/14/2020 11:36:46 AM

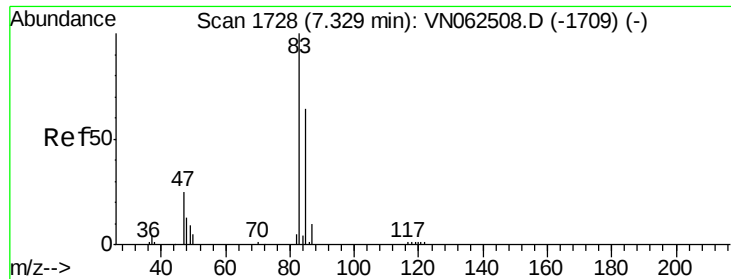


#24

Methyl tert-Butyl Ether
 Concen: 185.803 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	1348740		
43	43	20.7		16.9	25.3





#25

Chloroform

Concen: 168.258 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 764195

Ion Ratio Lower Upper

83 100

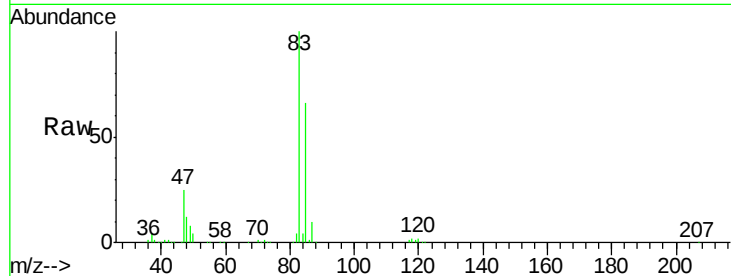
85 66.0 51.0 76.4

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.33

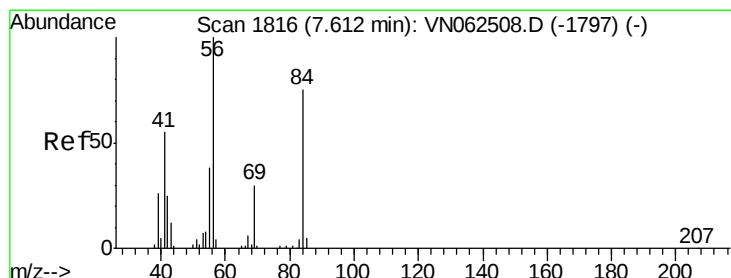
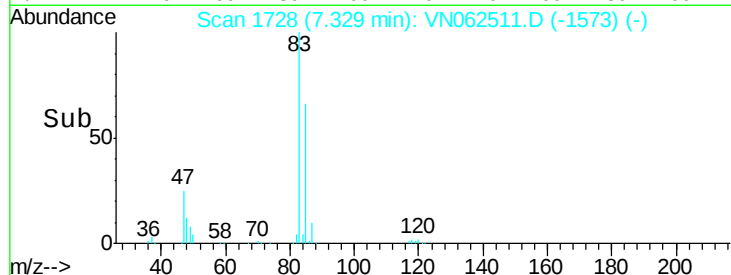
300000

200000

100000

0

Time-->



#26

Cyclohexane

Concen: 227.745 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

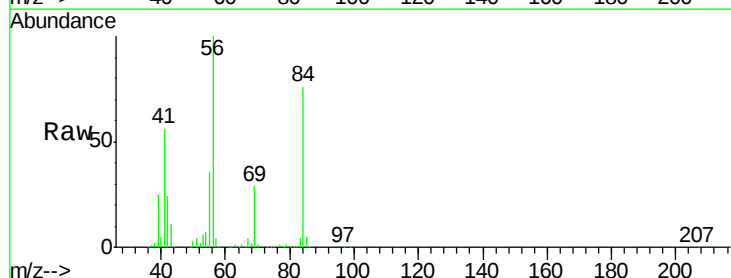
Tgt Ion: 56 Resp: 758215

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 75.1 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

500000

400000

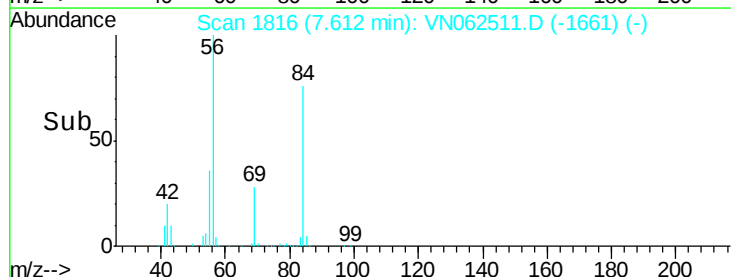
300000

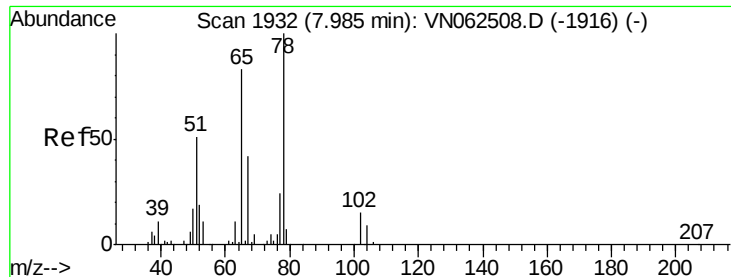
200000

100000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 37.329 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 104719

Ion Ratio Lower Upper

65 100

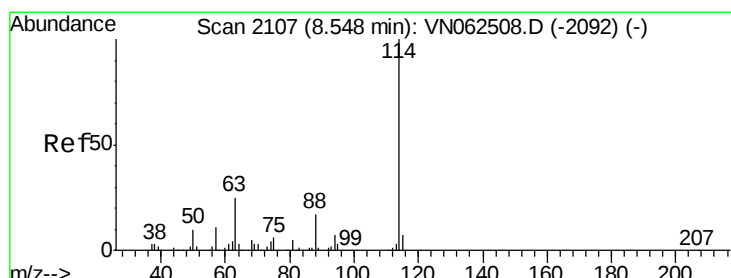
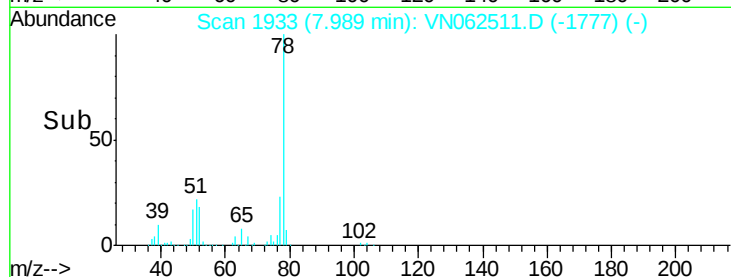
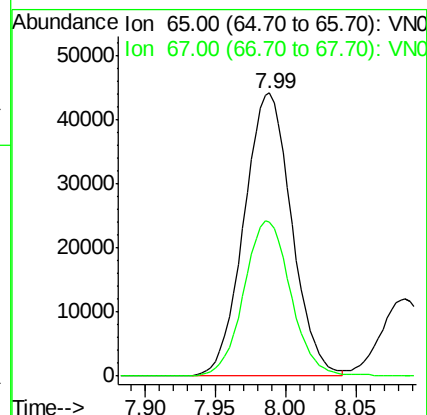
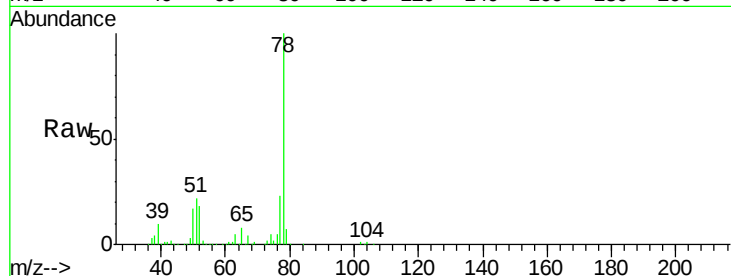
67 53.4 41.7 62.5

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

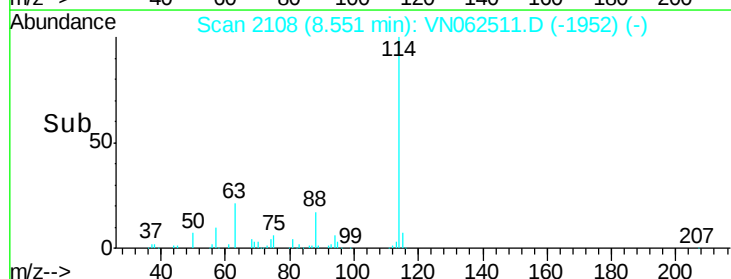
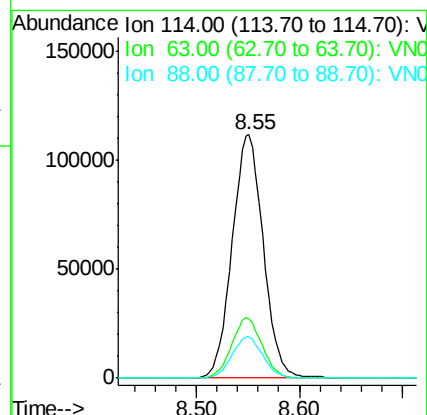
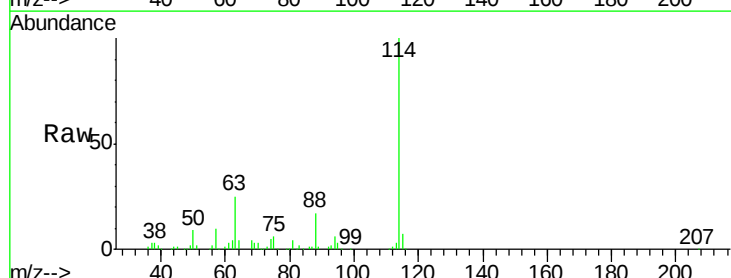
Tgt Ion: 114 Resp: 235467

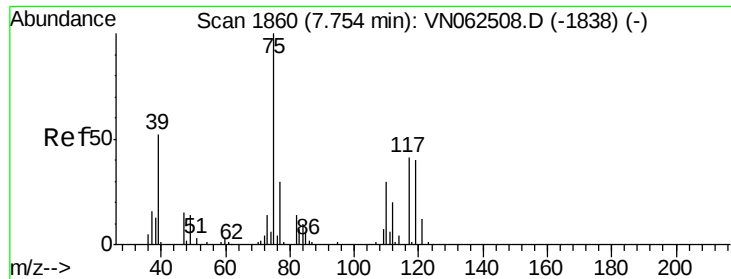
Ion Ratio Lower Upper

114 100

63 24.2 19.4 29.0

88 16.6 13.5 20.3





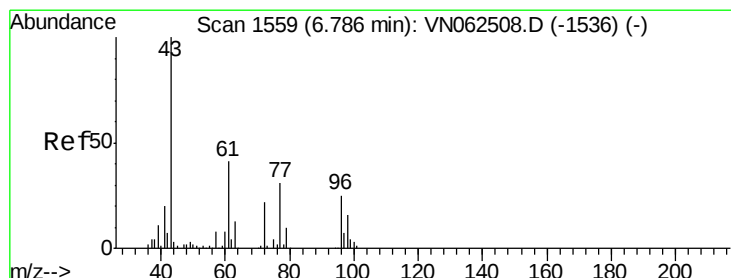
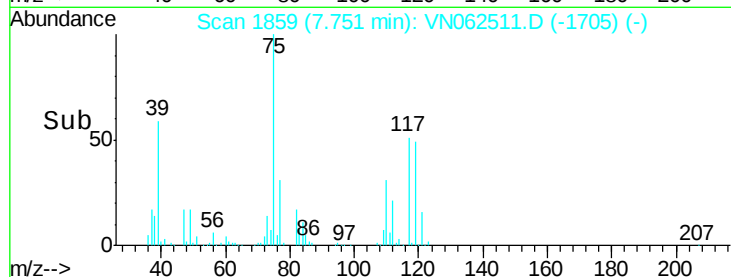
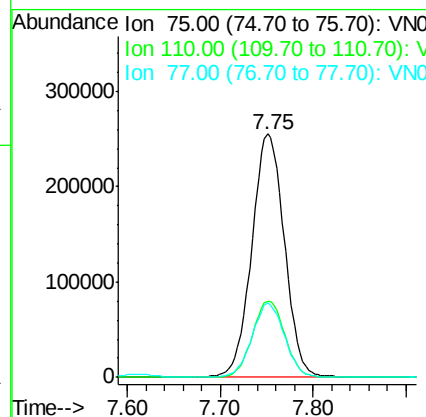
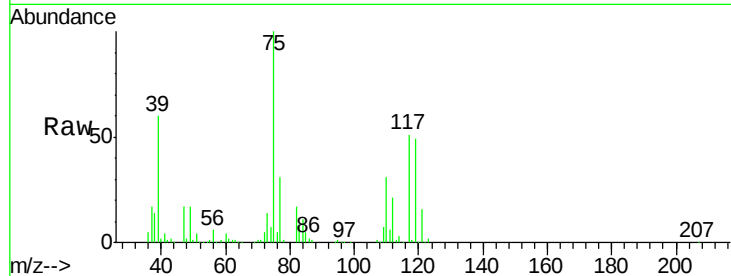
#29
 1,1-Dichloropropene
 Concen: 185.526 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.2	0.0	62.4
77	30.4	0.0	62.8

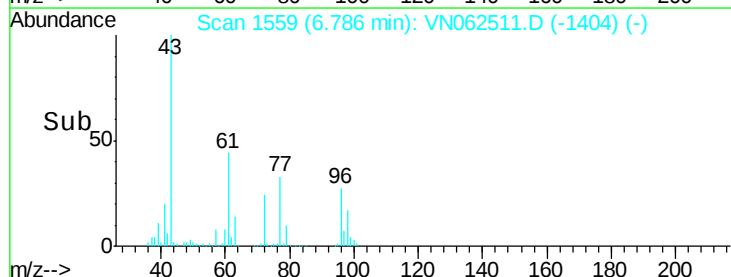
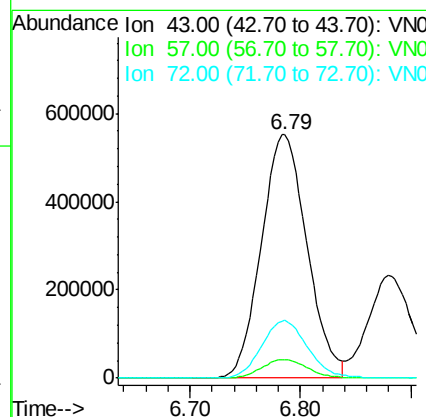
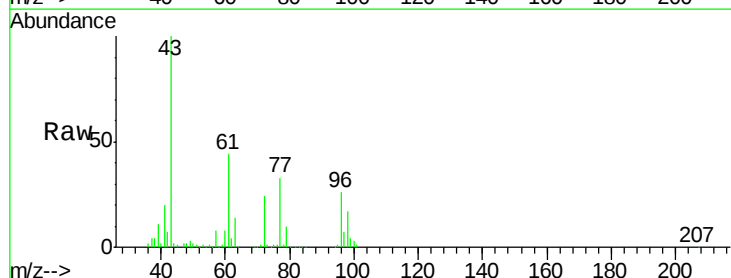
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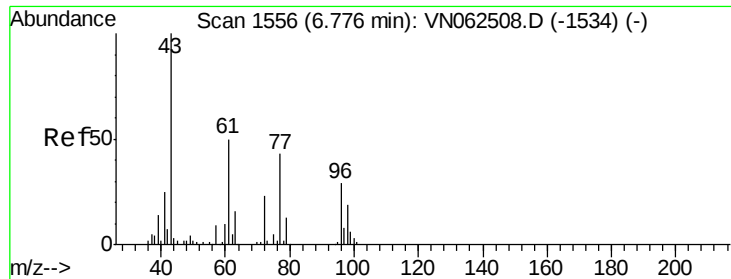
MMDadoda
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#30
 2-Butanone
 Concen: 1175.766 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.6	9.8
72	24.1	18.5	27.7





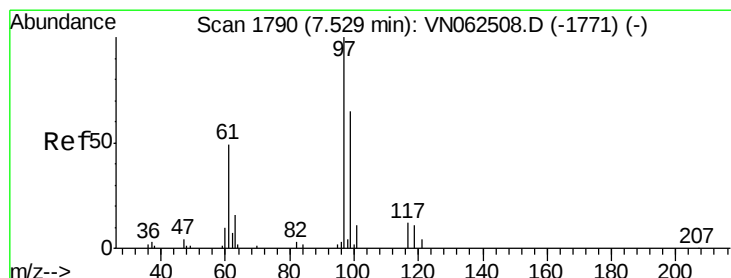
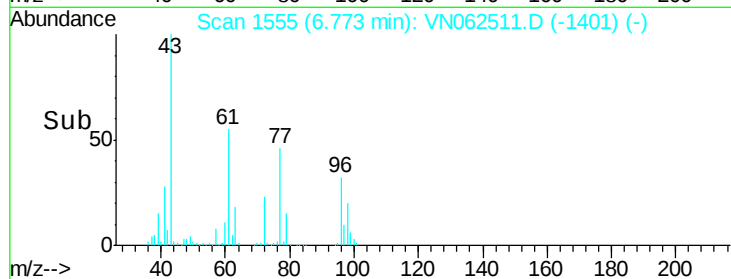
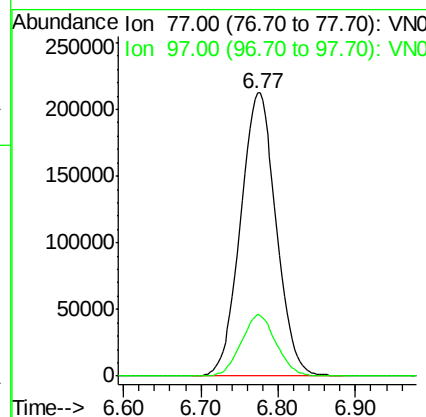
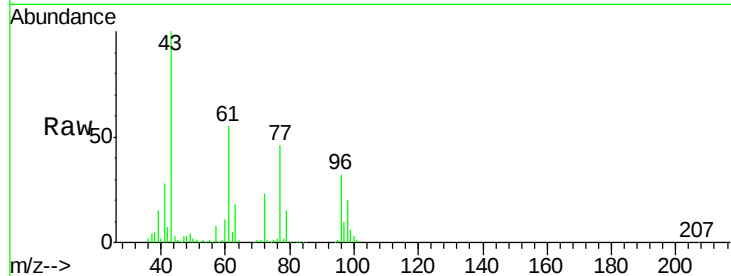
#31
 2,2-Dichloropropane
 Concen: 172.832 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
77	100			
97	21.4	8.6	12.8#	

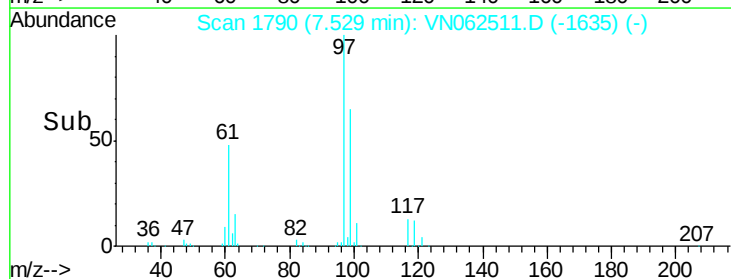
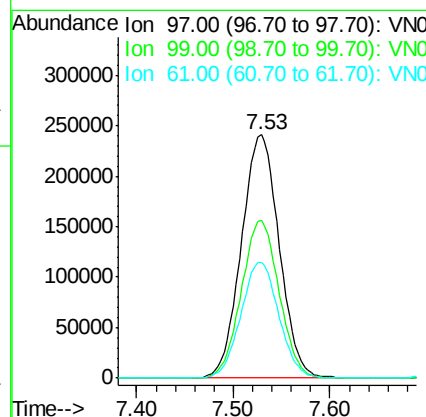
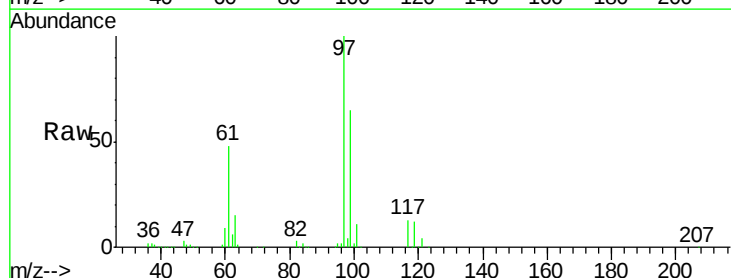
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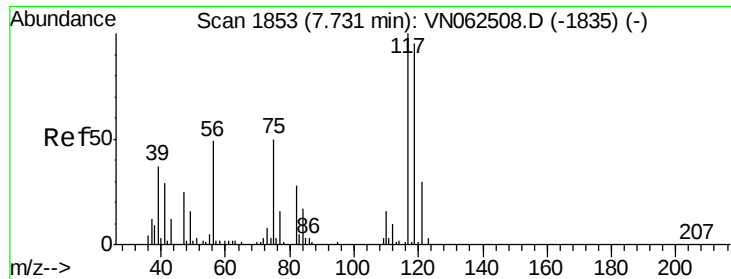
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#32
 1,1,1-Trichloroethane
 Concen: 158.062 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.7	51.8	77.8	
61	47.9	39.4	59.0	





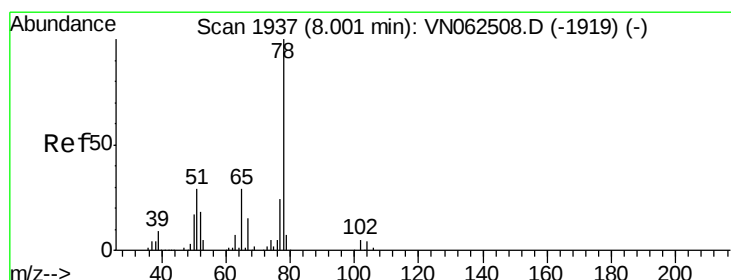
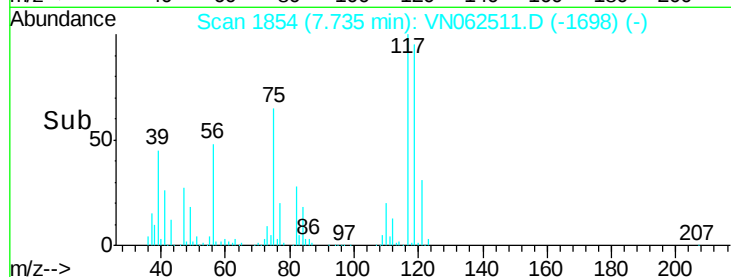
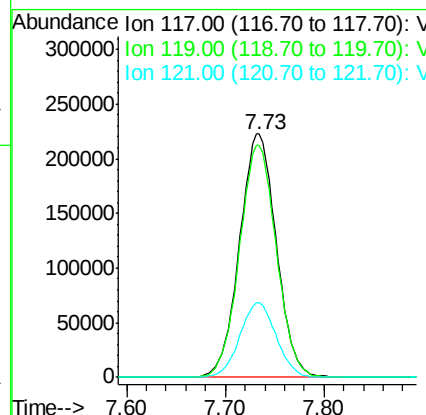
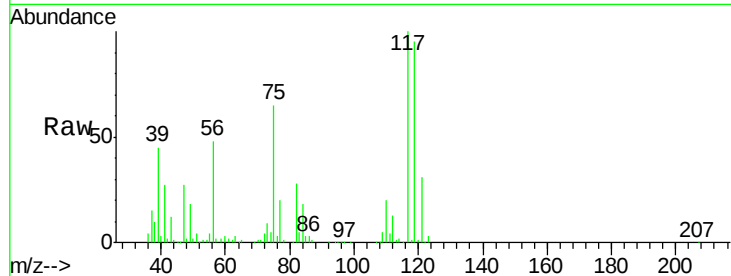
#33
Carbon Tetrachloride
Concen: 166.785 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.4
121	30.7	23.8	35.6

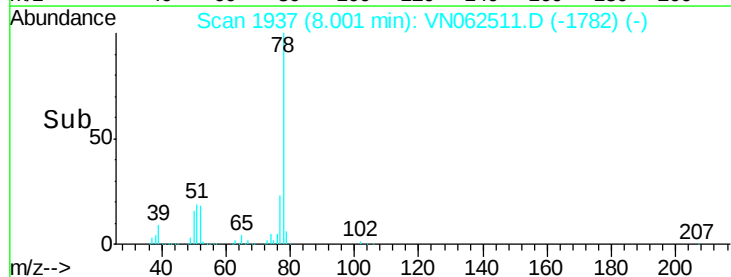
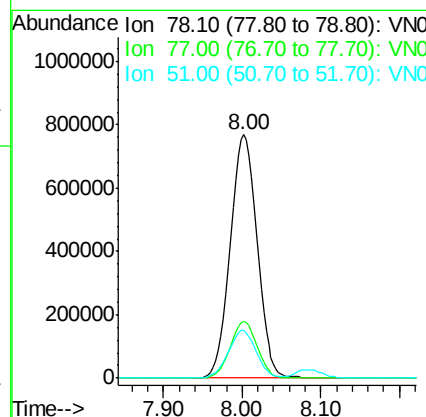
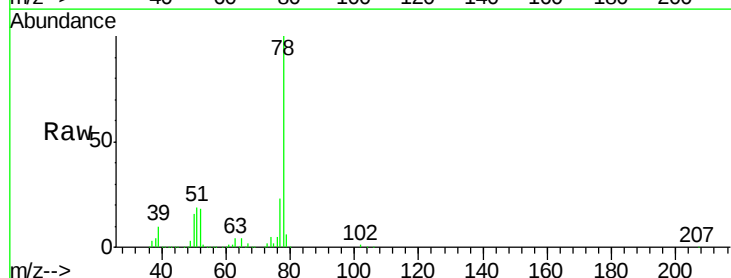
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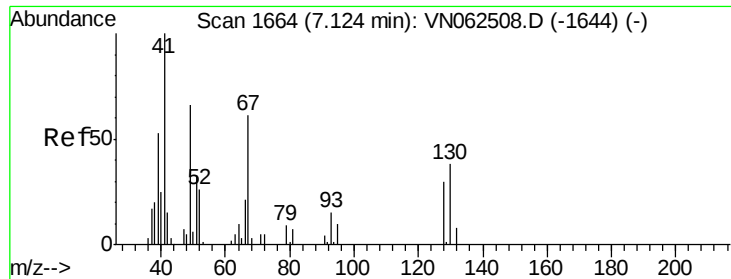
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#34
Benzene
Concen: 175.070 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3
51	19.4	23.1	34.7#





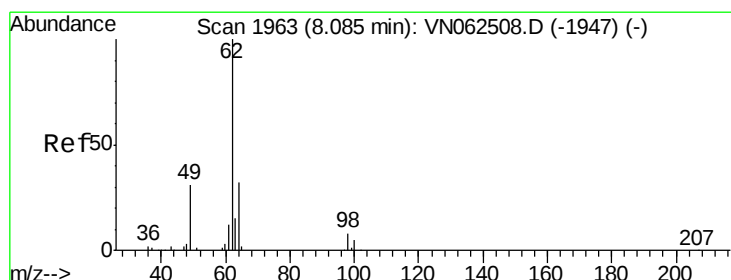
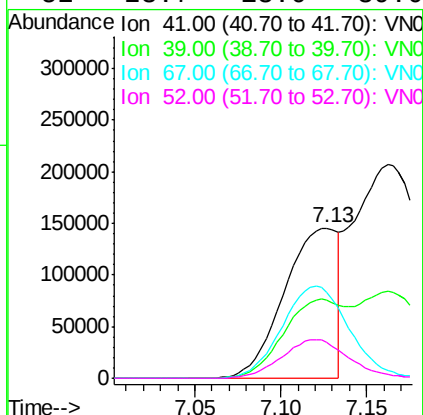
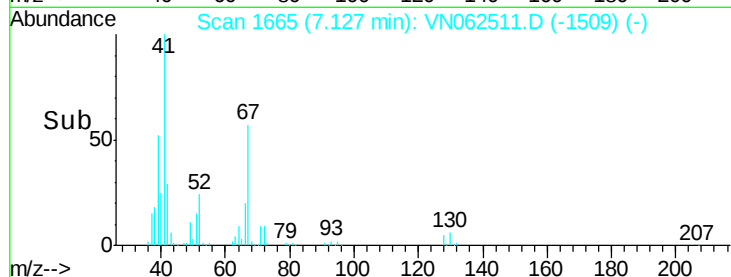
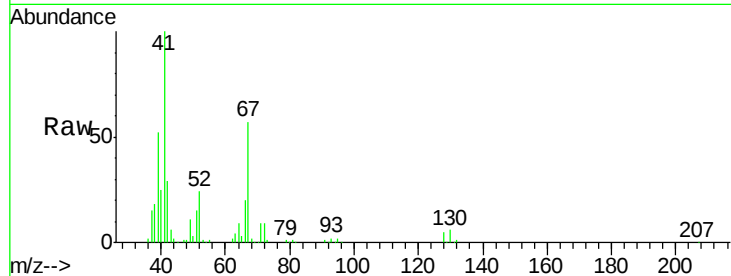
#35
Methacrylonitrile
Concen: 263.355 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	26.5	79.5	
67	57.3	30.7	92.1	
52	23.7	13.0	39.0	

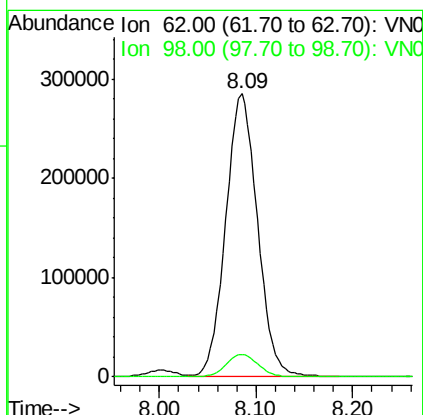
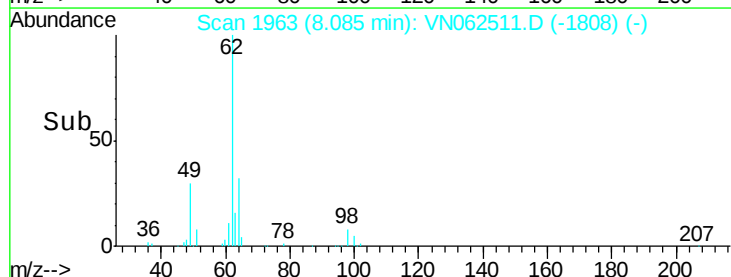
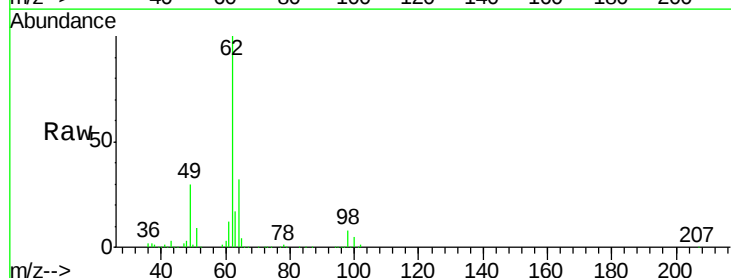
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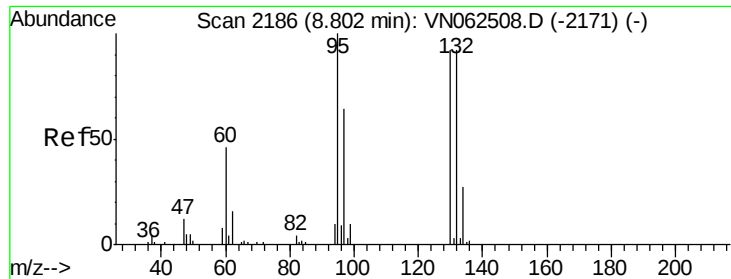
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#36
1,2-Dichloroethane
Concen: 187.382 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	6.6	9.8	





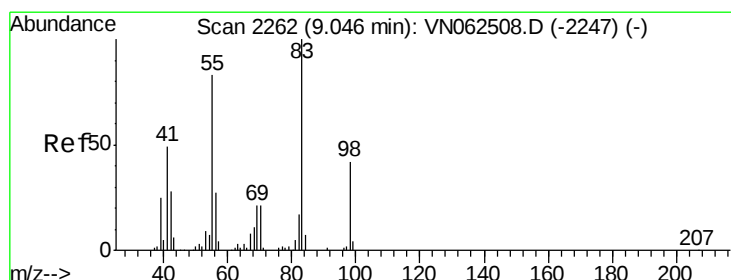
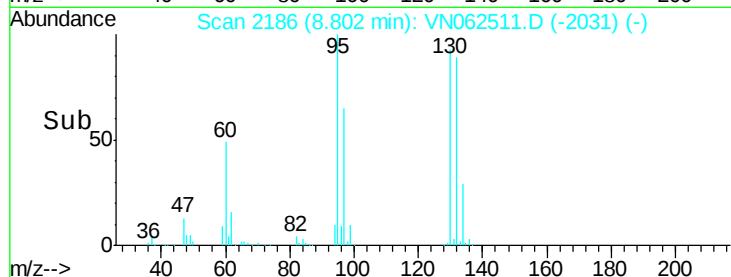
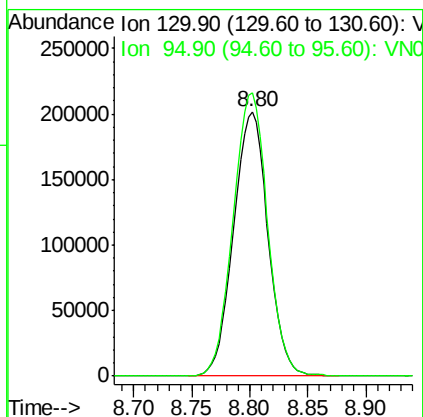
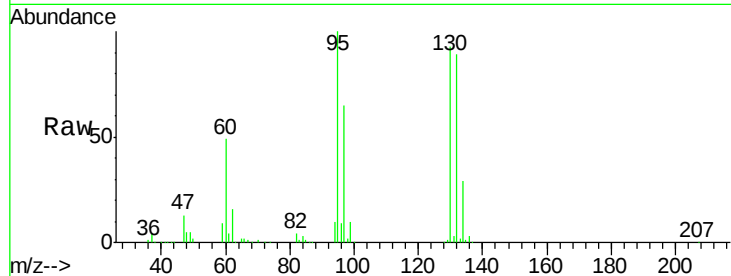
#37
 Trichloroethene
 Concen: 136.346 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
130	100	414764		
95	107.1	86.5	129.7	

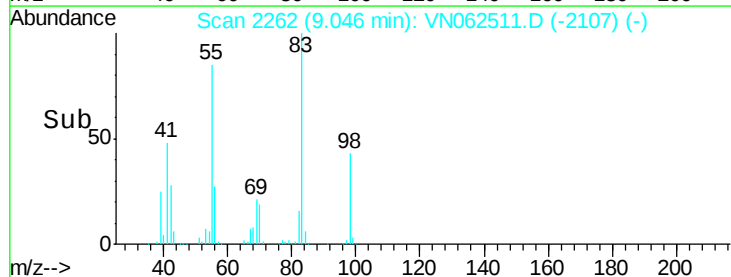
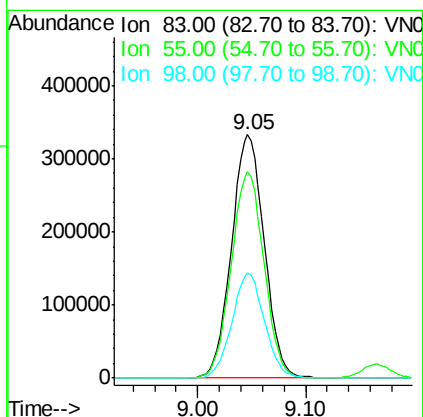
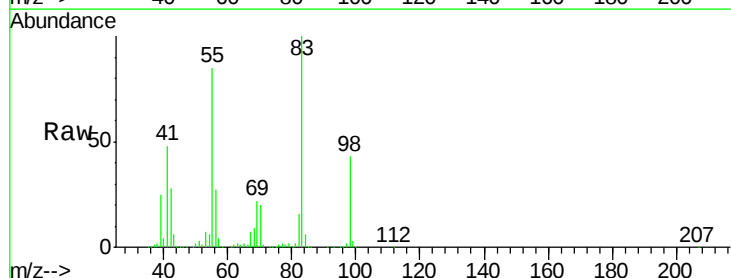
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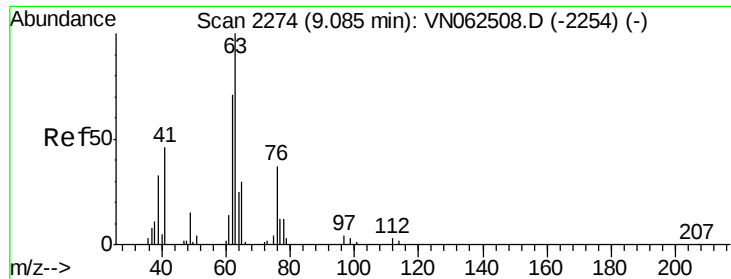
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#38
 Methylcyclohexane
 Concen: 188.229 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	705668		
55	84.8	42.8	128.3	
98	42.8	21.9	65.7	





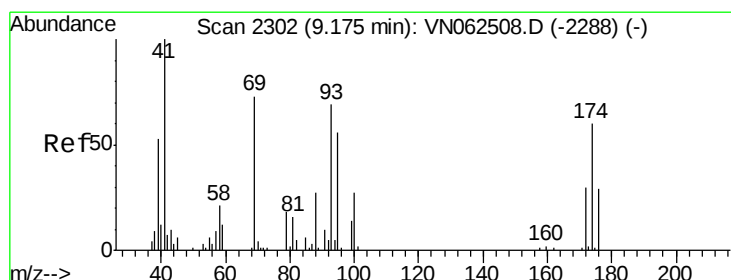
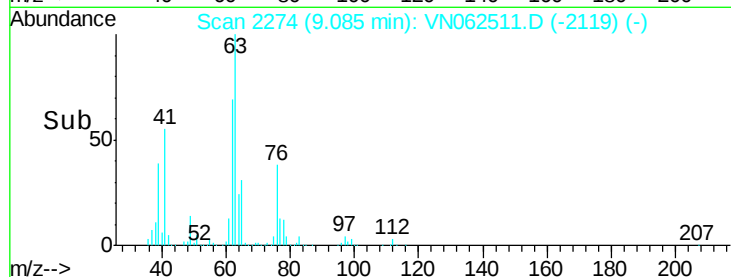
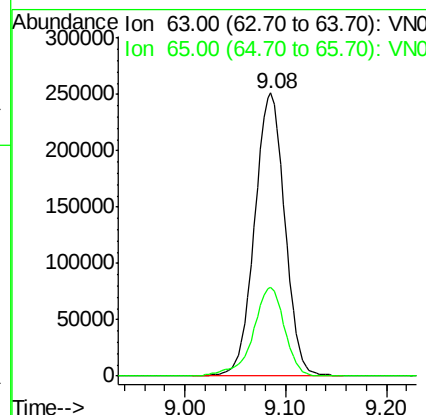
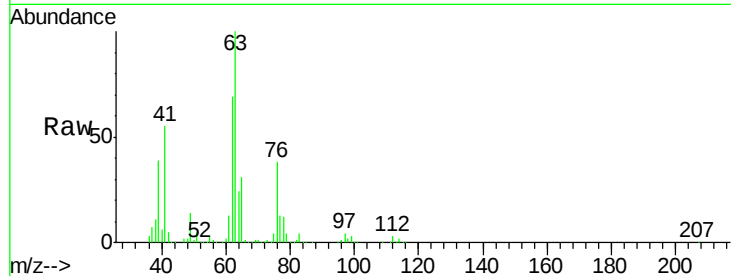
#39
 1,2-Dichloropropane
 Concen: 199.224 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100	520418		
65	31.2		24.2	36.4

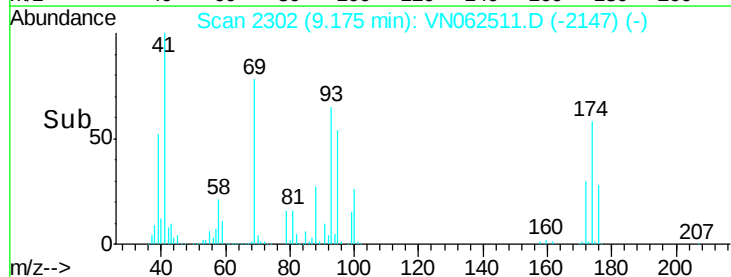
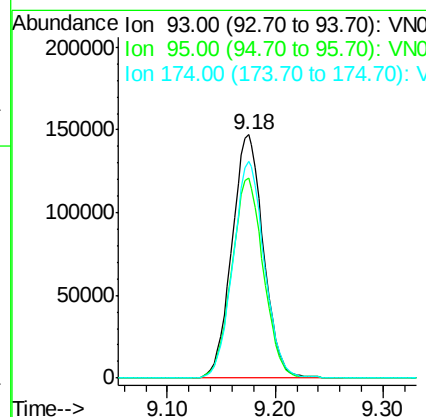
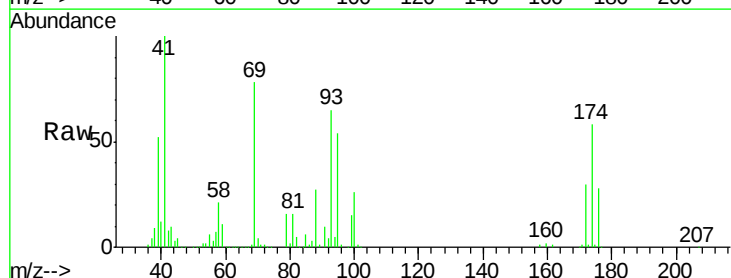
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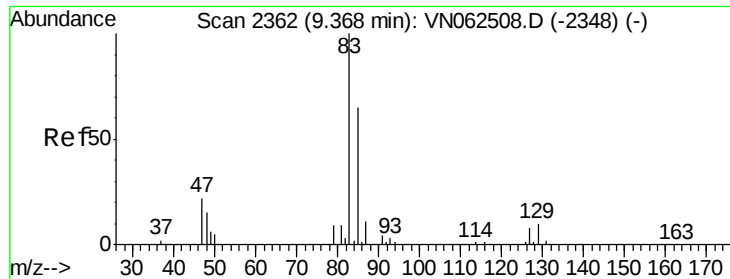
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#40
 Dibromomethane
 Concen: 162.956 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	299798		
95	82.3		0.0	161.2
174	88.4		0.0	178.0





#41

Bromodichloromethane

Concen: 171.189 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

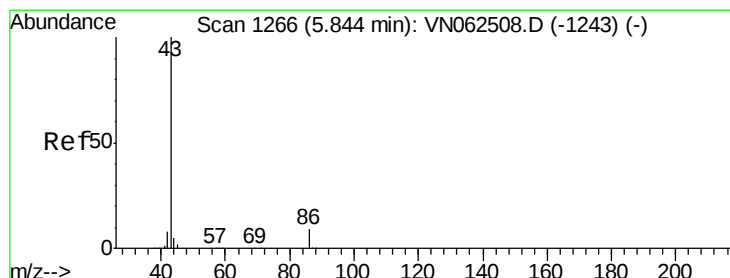
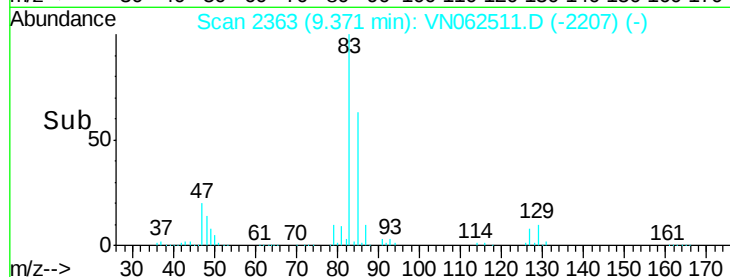
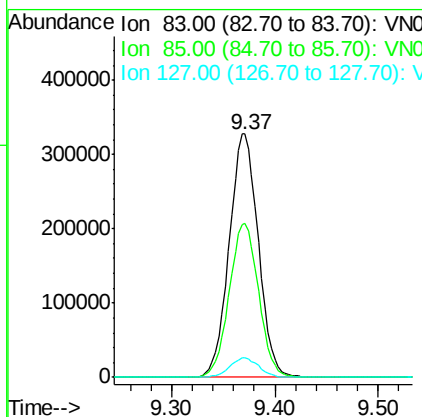
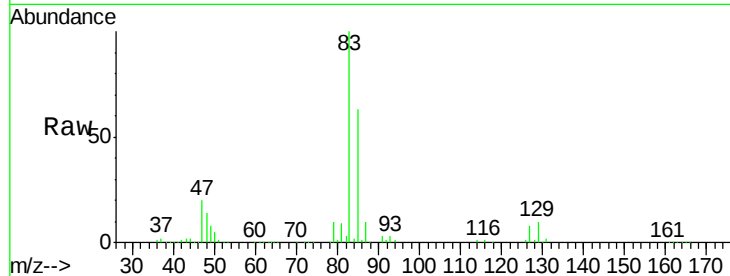
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	644576
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.6	77.4
127	8.0	6.3	9.5

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#42

Vinyl Acetate

Concen: 1205.664 ug/l

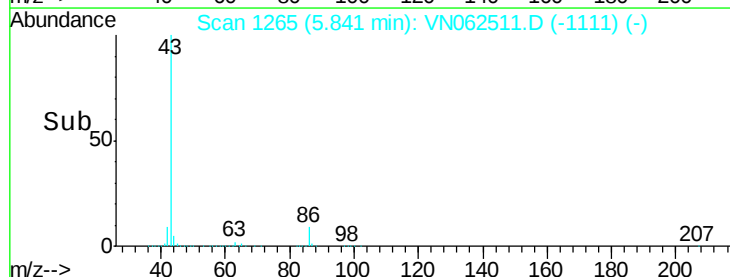
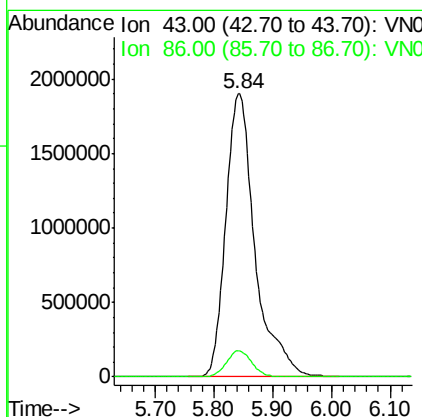
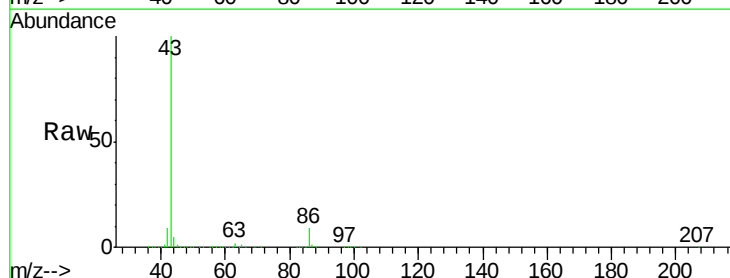
RT: 5.84 min Scan# 1265

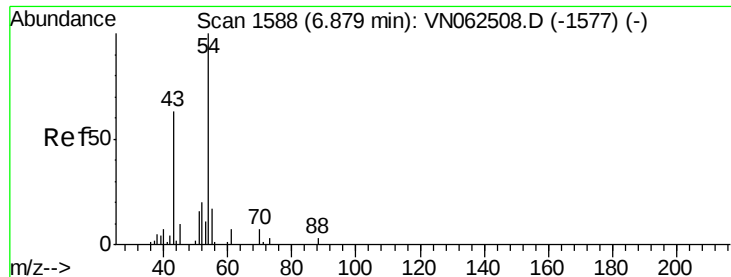
Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	43	Resp:	6594673
Ion Ratio	Lower	Upper	
43	100		
86	8.0	6.1	9.1





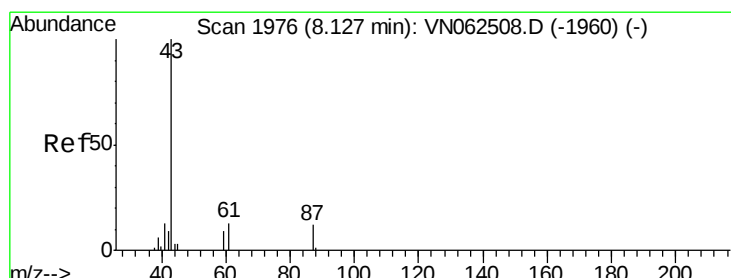
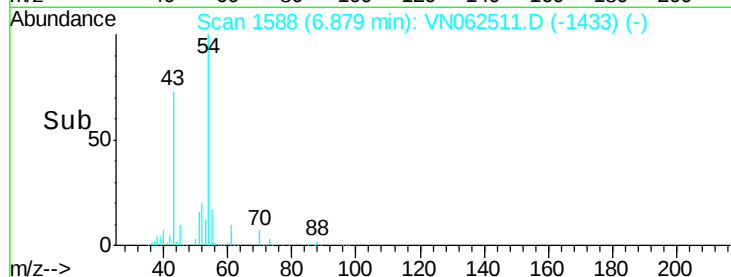
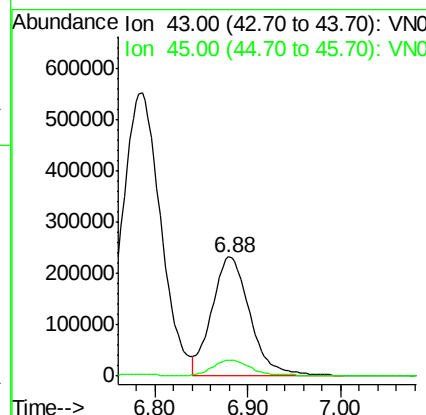
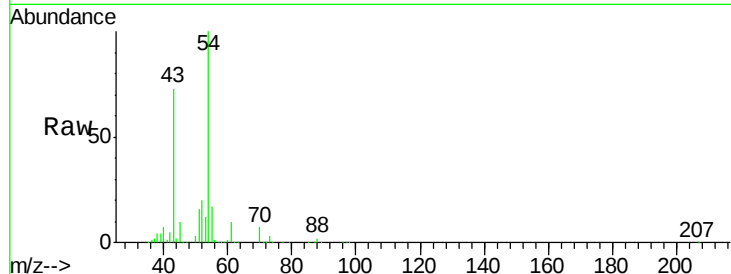
#43
Ethyl Acetate
Concen: 241.279 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 653846
Ion Ratio Lower Upper
43 100
45 14.6 10.2 15.4

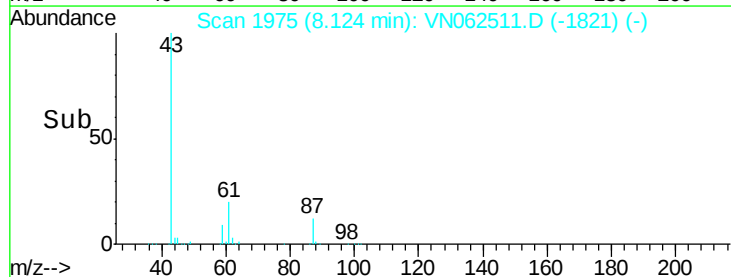
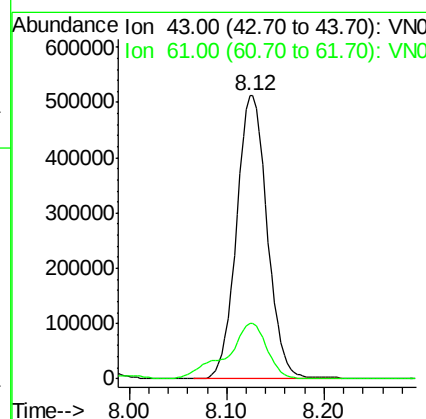
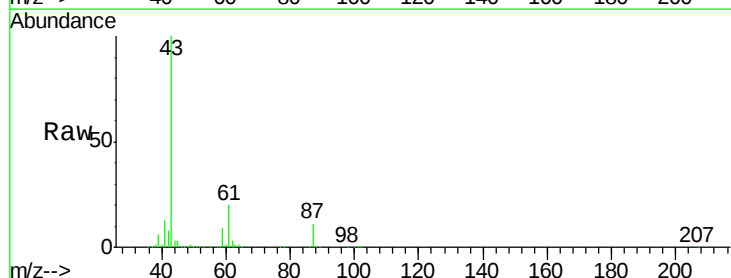
Manual Integrations
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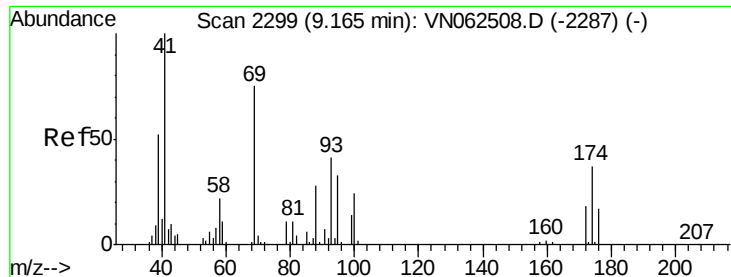
MMDadoda
7/14/2020 11:36:46 AM



#44
Isopropyl Acetate
Concen: 238.330 ug/l m
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 43 Resp: 1123451
Ion Ratio Lower Upper
43 100
61 0.0 14.7 22.1#





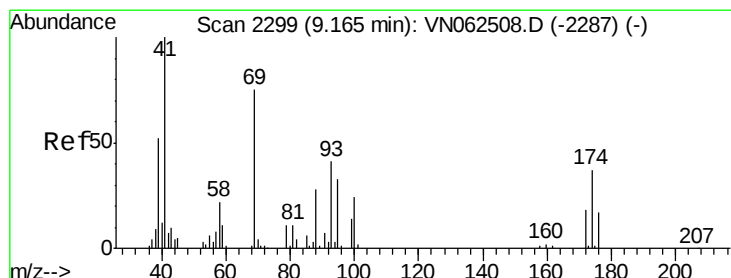
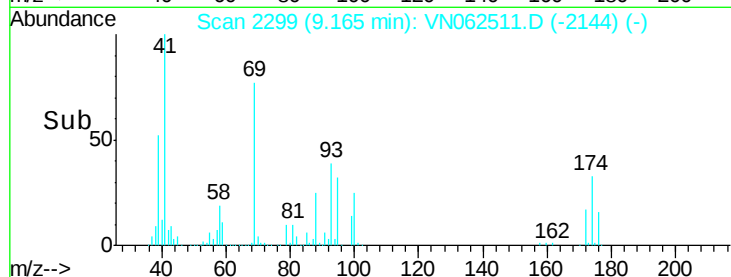
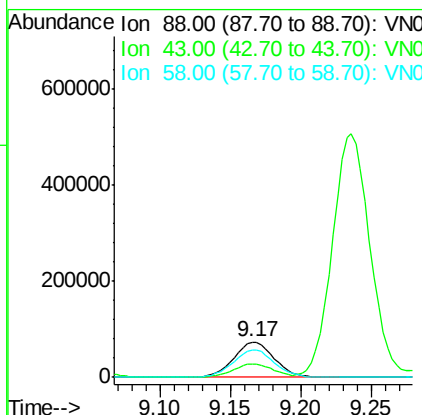
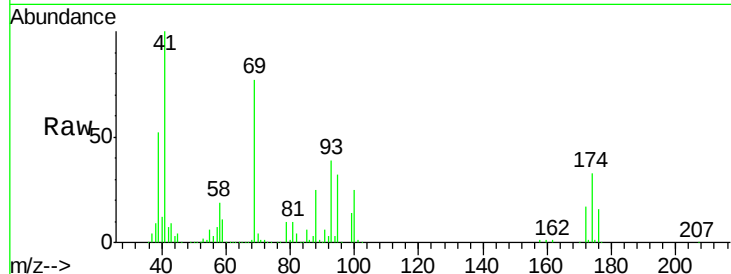
#45
1,4-Dioxane
Concen: 3387.241 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	149614		
43	36.5	29.2	43.8	
58	78.6	62.2	93.4	

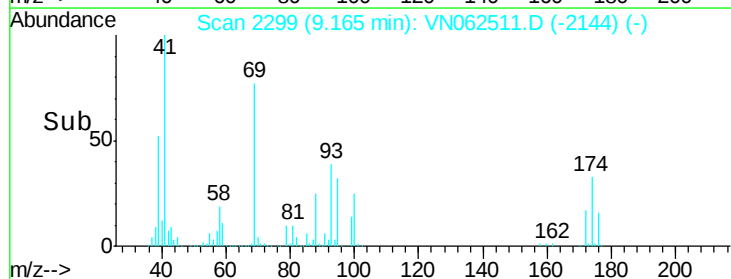
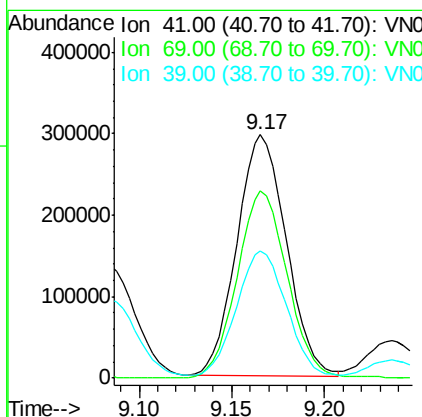
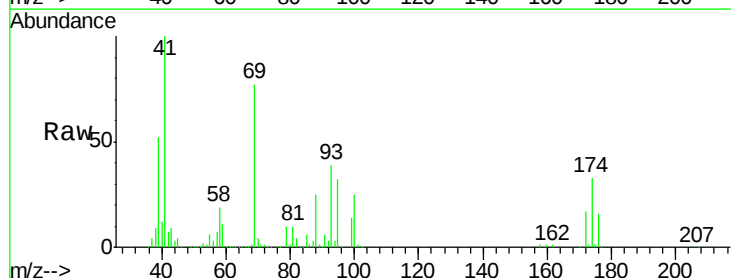
Manual Integrations
APPROVED

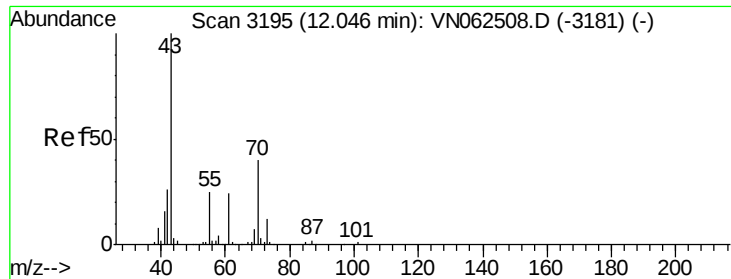
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#46
Methyl methacrylate
Concen: 257.639 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	546721		
69	77.5	37.4	112.2	
39	52.0	25.9	77.6	





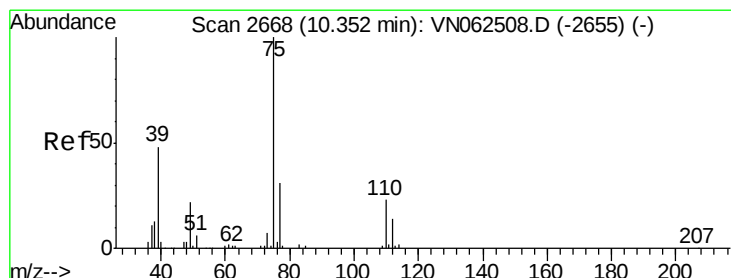
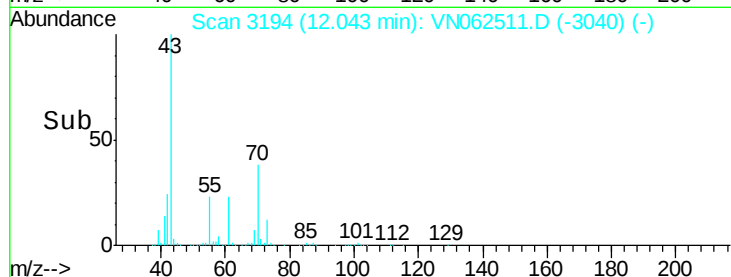
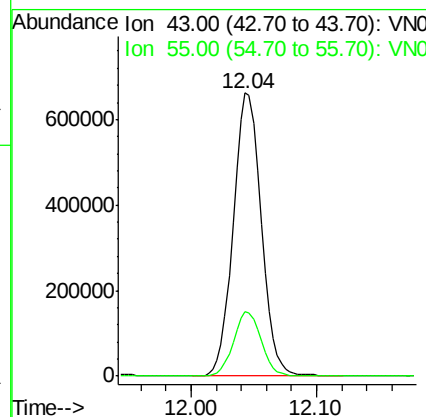
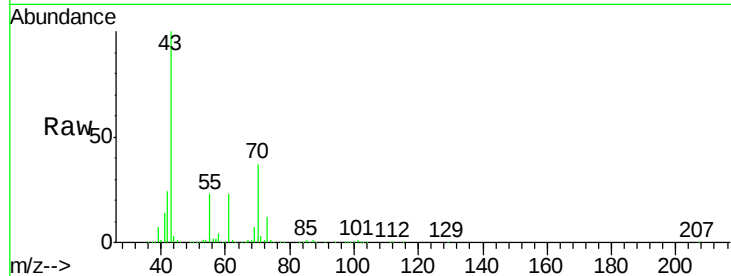
#47
n-amvl Acetate
Concen: 256.175 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1025966
Ion Ratio Lower Upper
43 100
55 22.6 20.4 30.6

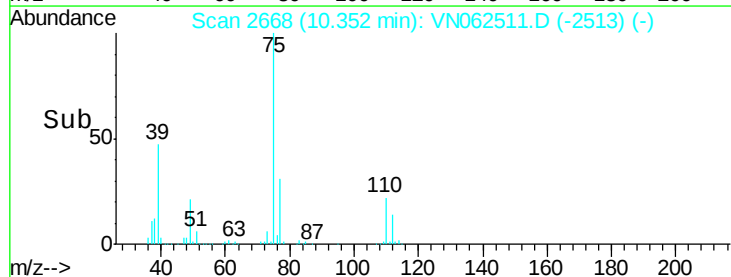
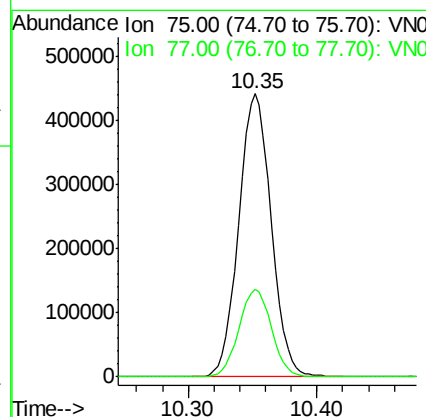
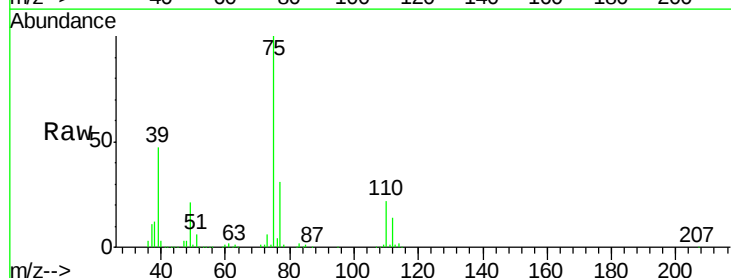
Manual Integrations
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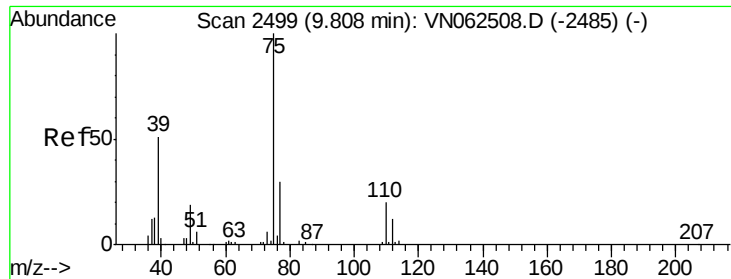
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 191.692 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 75 Resp: 772910
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.4





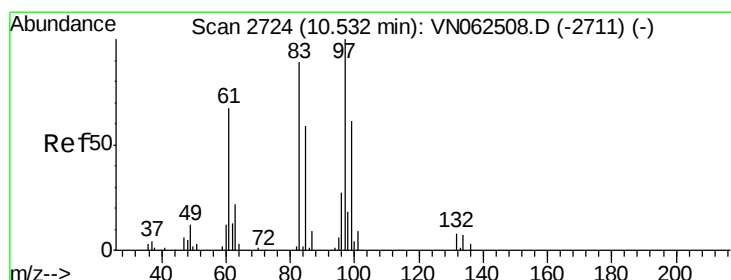
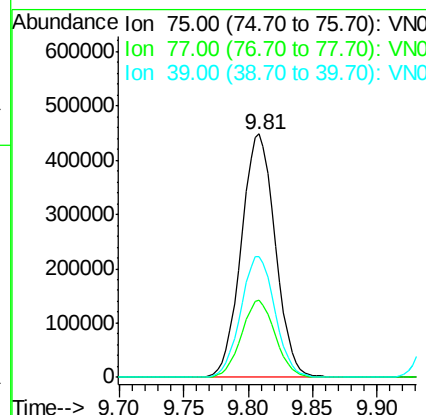
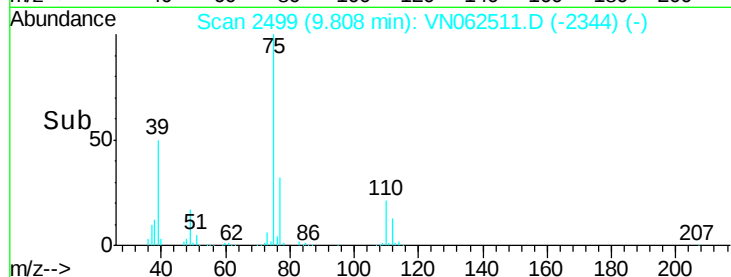
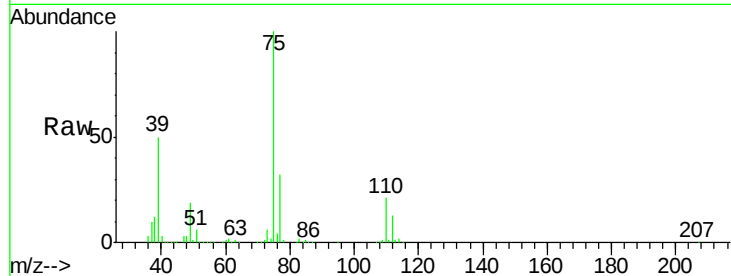
#49
 cis-1,3-Dichloropropene
 Concen: 187.689 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	23.7	35.5
39	49.7	40.5	60.7

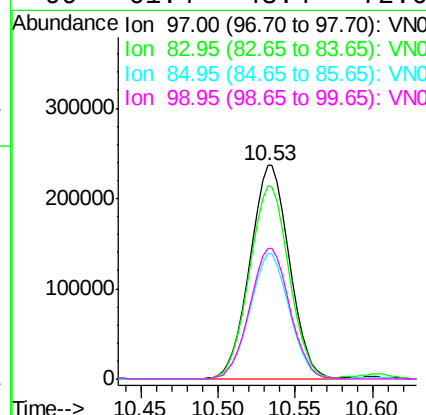
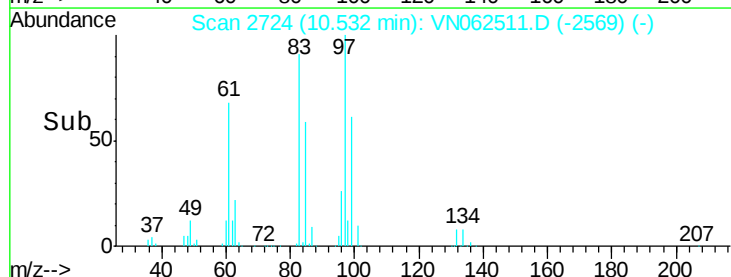
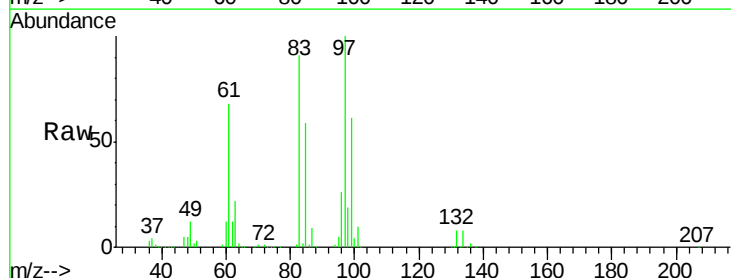
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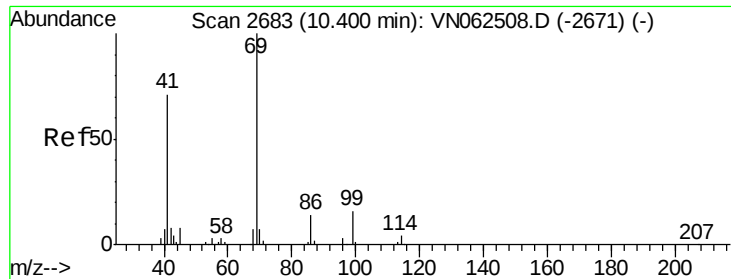
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#50
 1,1,2-Trichloroethane
 Concen: 158.190 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.3	106.9
85	58.7	47.2	70.8
99	61.4	48.4	72.6





#51

Ethyl methacrylate

Concen: 203.994 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

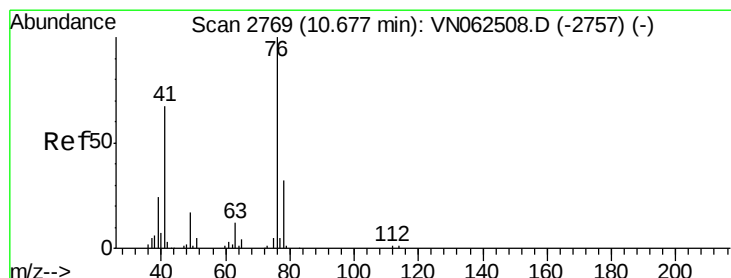
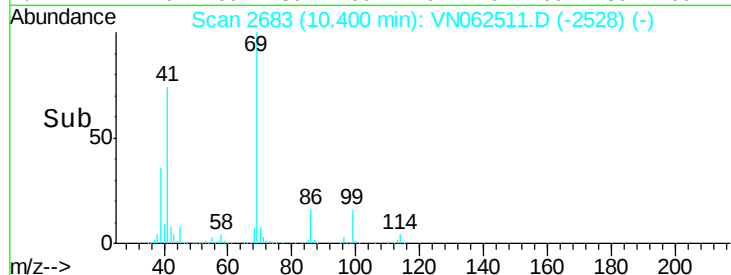
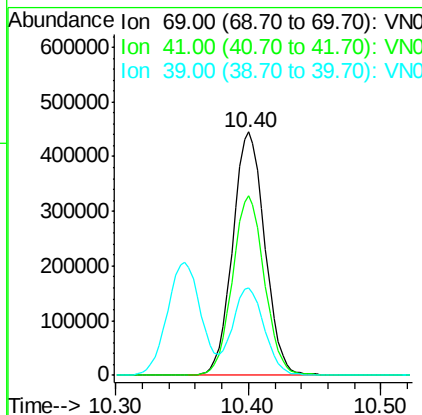
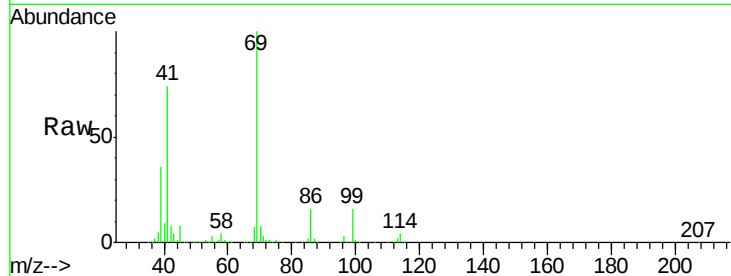
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	748927
Ion Ratio	Lower	Upper	
69	100		
41	73.5	35.6	106.8
39	36.0	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 179.279 ug/l

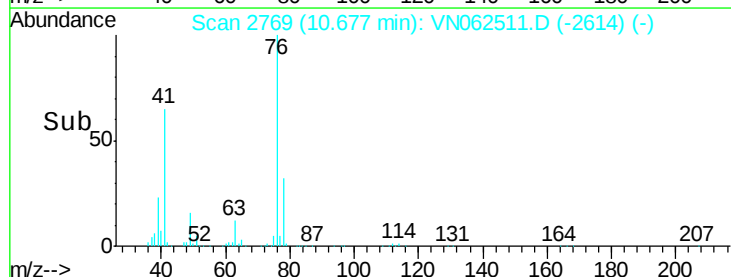
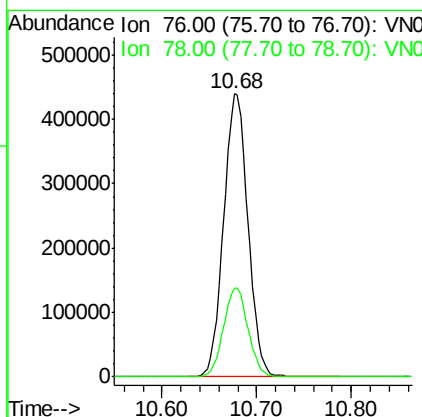
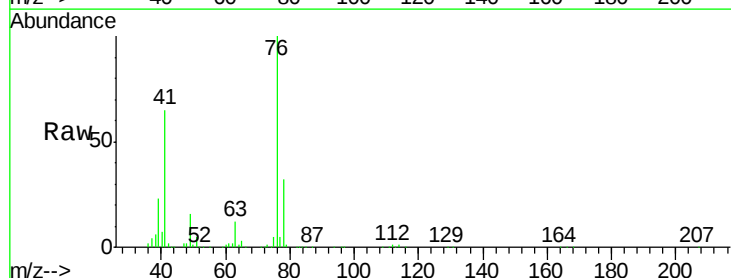
RT: 10.68 min Scan# 2769

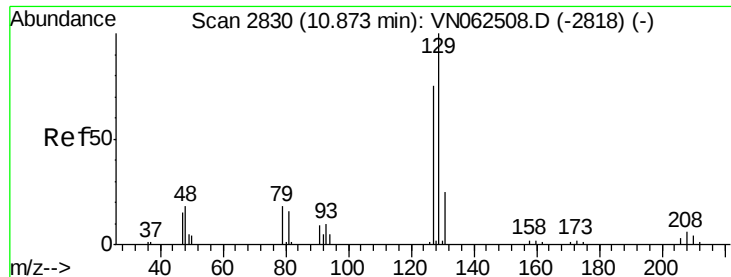
Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	76	Resp:	784193
Ion Ratio	Lower	Upper	
76	100		
78	31.8	0.0	63.6





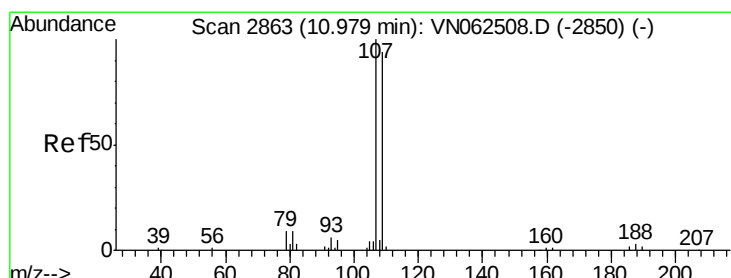
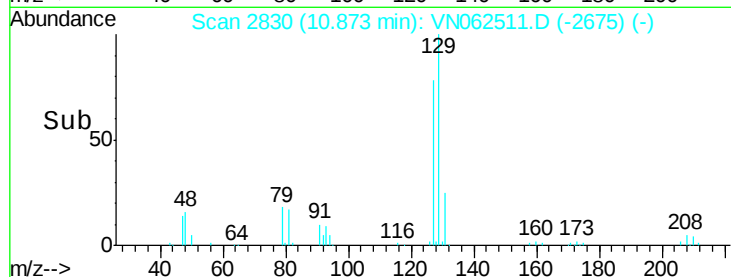
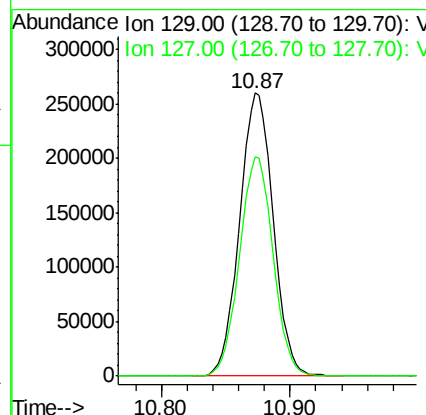
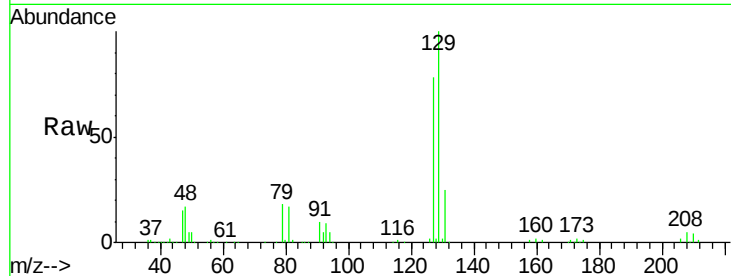
#53
 Dibromochloromethane
 Concen: 152.666 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
471791	129	100			
	127	77.5	38.1	114.5	

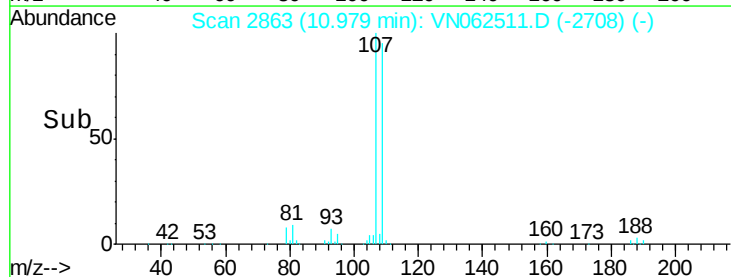
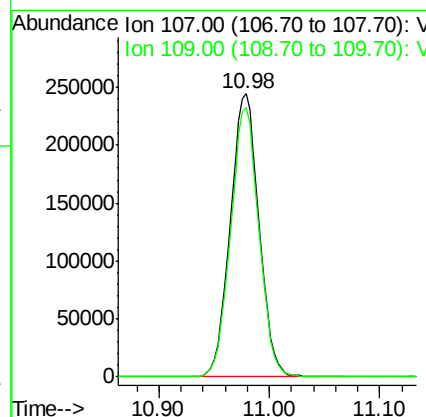
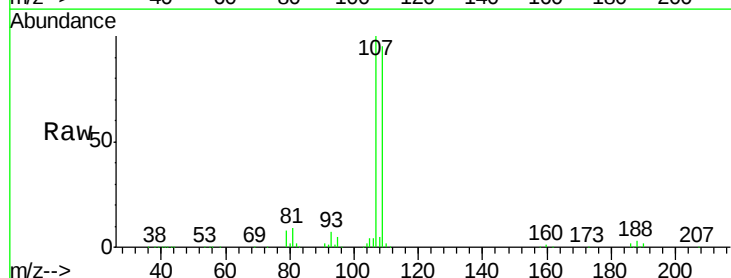
Manual Integrations
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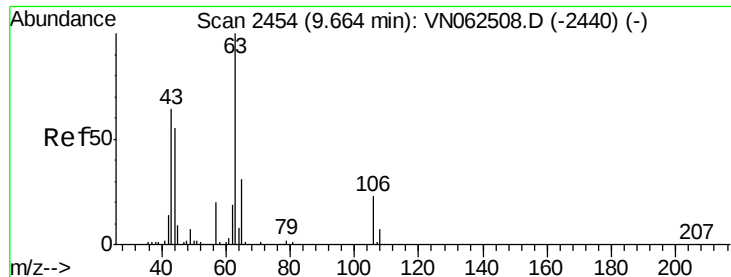
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#54
 1,2-Dibromoethane
 Concen: 159.265 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
438963	107	100			
	109	94.1	74.8	112.2	





#55

2-Chloroethyl vinyl ether

Concen: 974.690 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

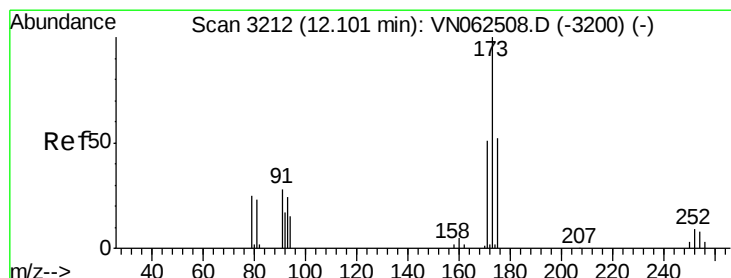
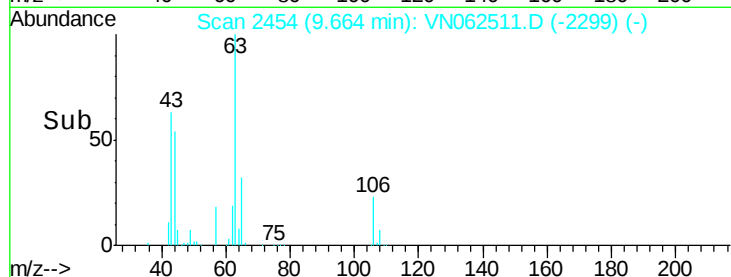
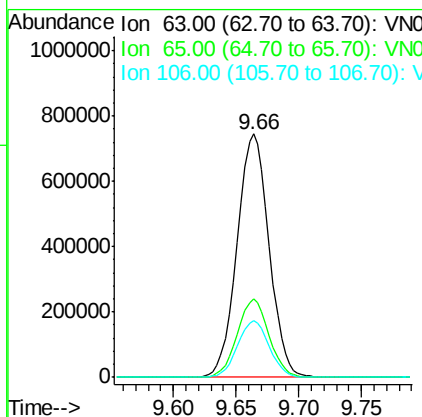
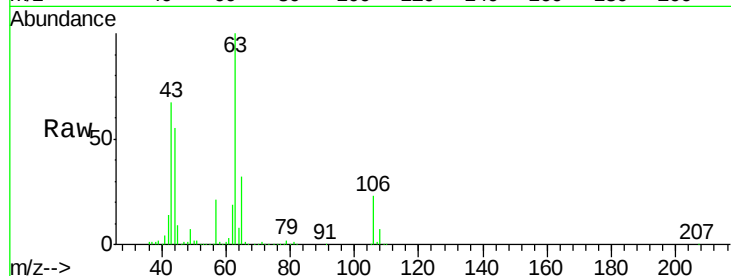
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	1318120
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	23.2	18.4	27.6

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#56

Bromoform

Concen: 154.276 ug/l

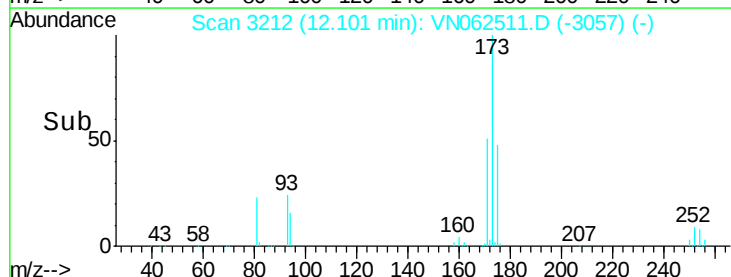
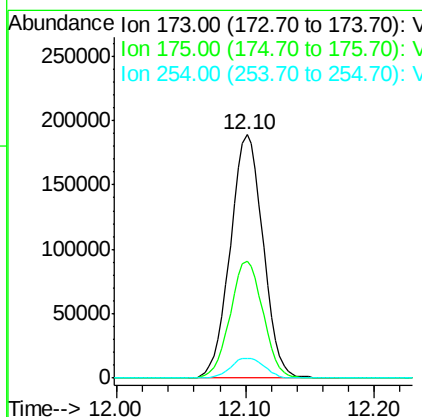
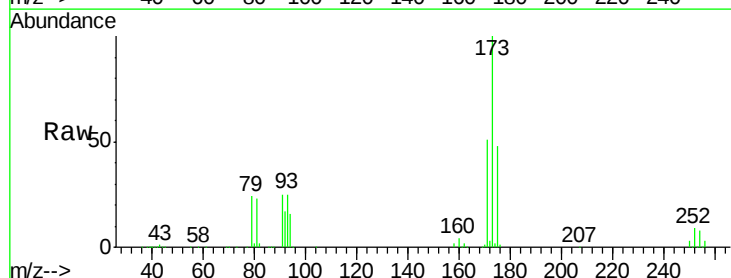
RT: 12.10 min Scan# 3212

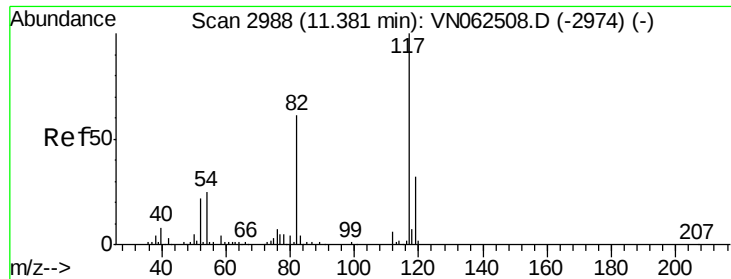
Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	173	Resp:	333219
Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.1	57.1
254	8.5	6.2	9.2





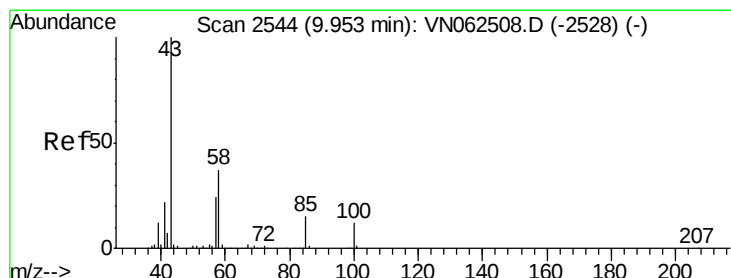
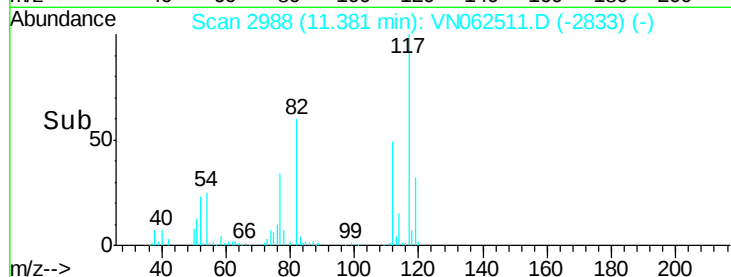
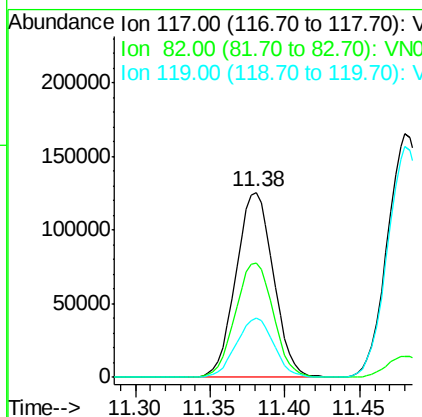
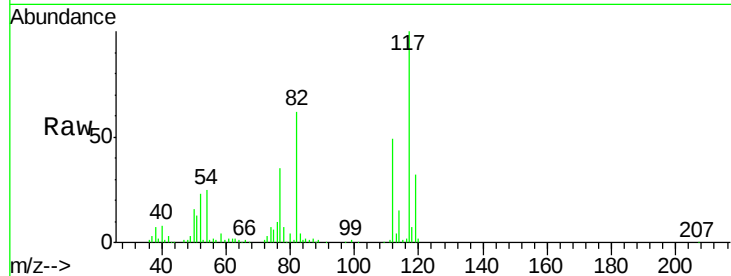
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	219580		
82	62.5	49.0	73.6	
119	32.0	25.6	38.4	

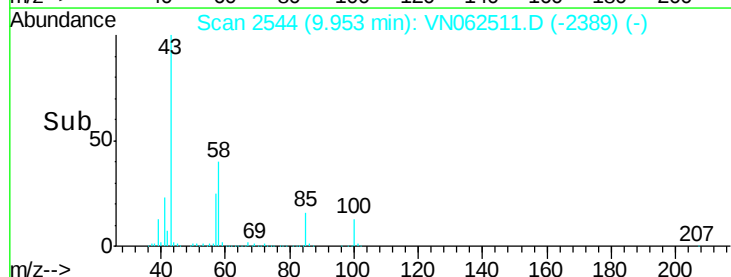
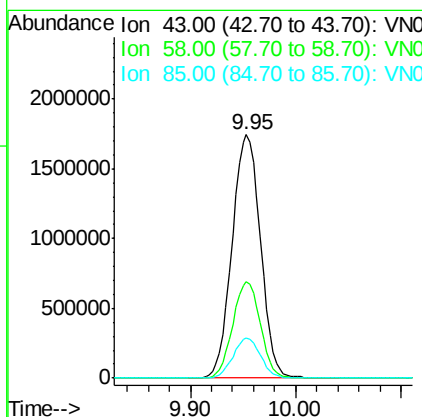
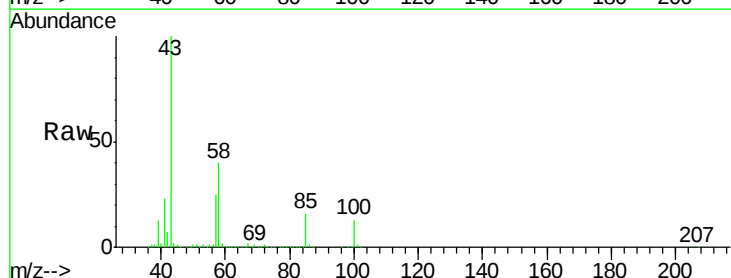
Manual Integrations
APPROVED

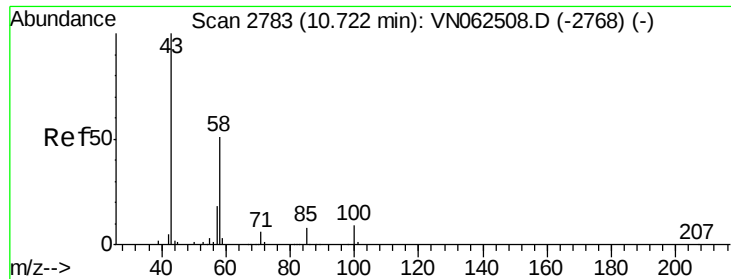
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#58
4-Methyl-2-Pentanone
Concen: 1181.058 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	3243161		
58	38.7	29.6	44.4	
85	15.9	12.0	18.0	





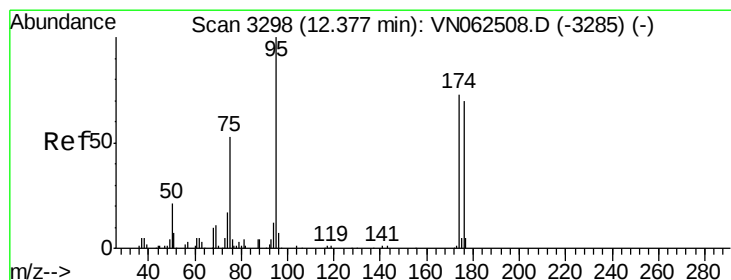
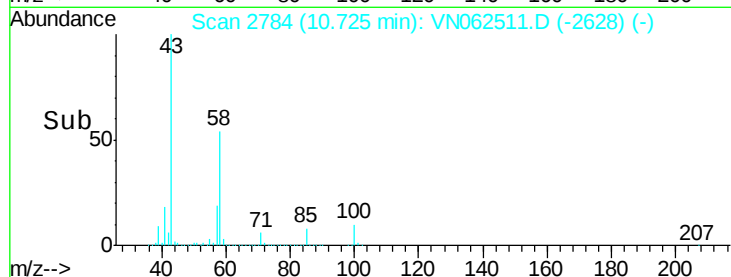
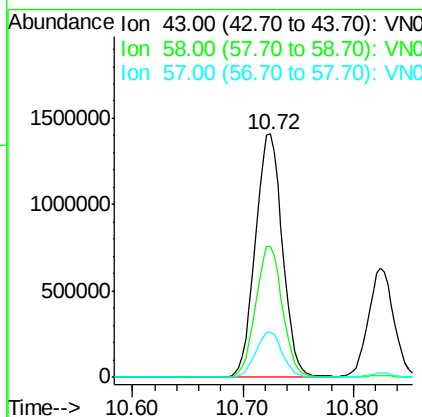
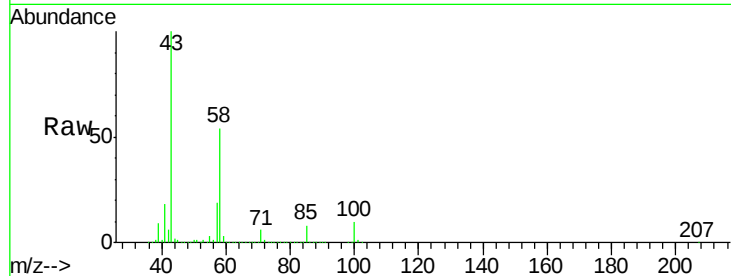
#59
2-Hexanone
Concen: 1200.010 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	41.2	61.8
57	18.5	14.4	21.6

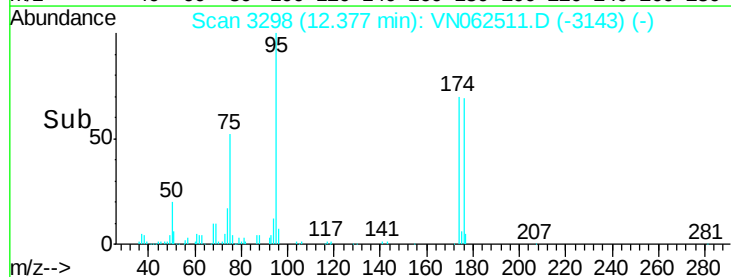
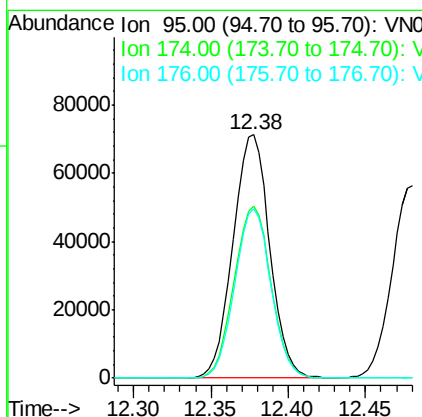
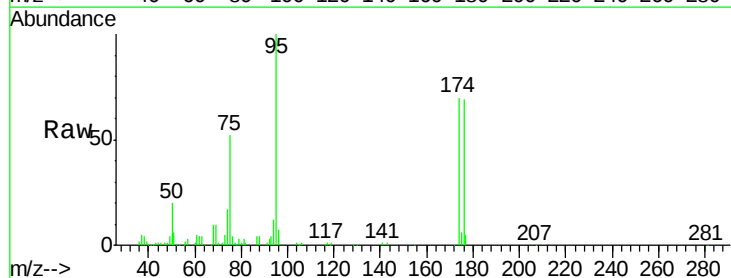
Manual Integrations
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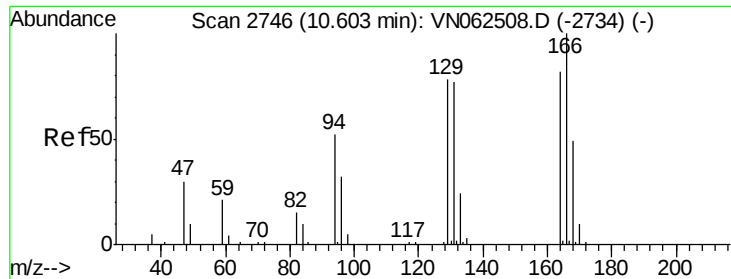
MMDadoda
7/14/2020 11:36:46 AM



#60
4-Bromofluorobenzene
Concen: 35.330 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.9	57.5	86.3
176	68.4	56.3	84.5





#61

Tetrachloroethene

Concen: 106.841 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 339566

Ion Ratio Lower Upper

164 100

166 127.1 97.7 146.5

129 100.0 77.0 115.4

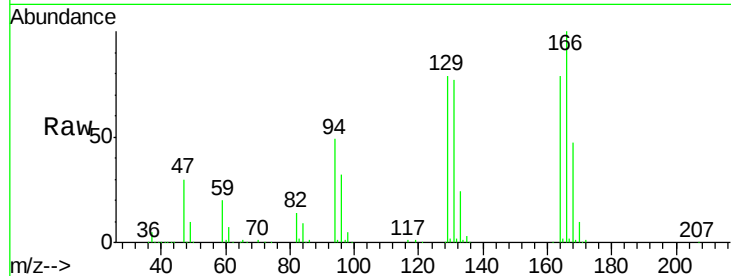
131 97.2 75.0 112.6

Manual Integrations

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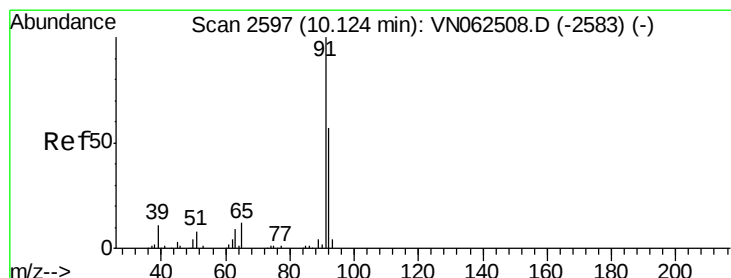
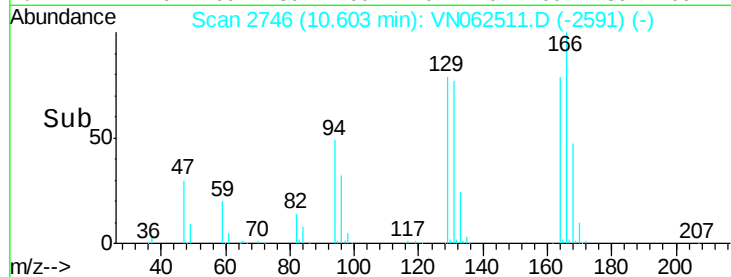
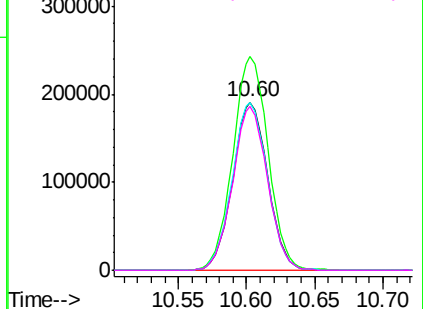


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 164.949 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062511.D

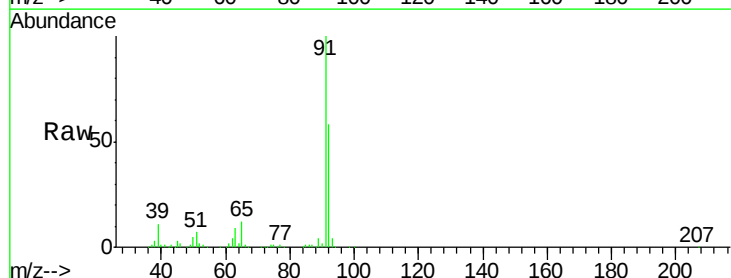
Acq: 13 Jul 2020 11:12

Tgt Ion: 91 Resp: 1897795

Ion Ratio Lower Upper

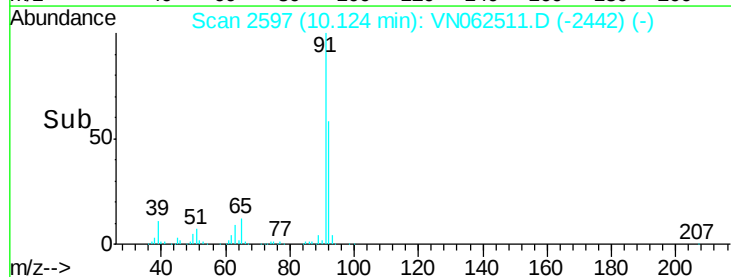
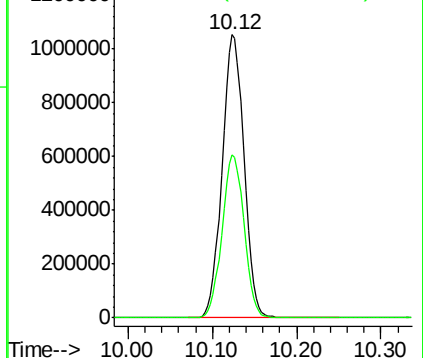
91 100

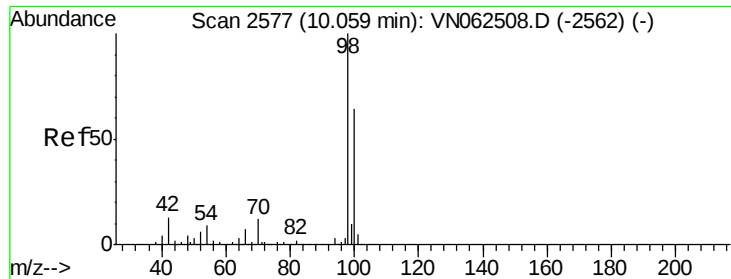
92 57.9 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 32.271 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 308193

Ion Ratio Lower Upper

98 100

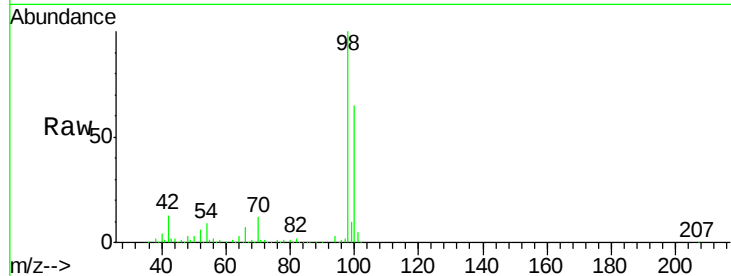
100 64.5 50.4 75.6

Manual Integrations

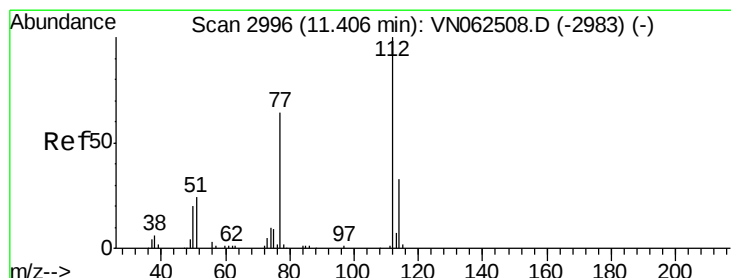
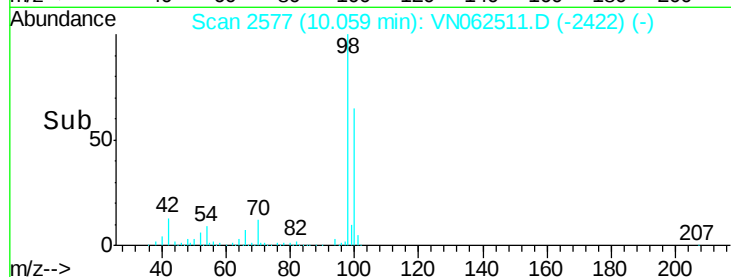
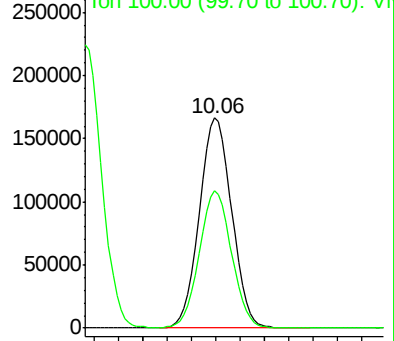
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Abundance Ion 98.00 (97.70 to 98.70): VN062511.D (-2422) (-)



#64

Chlorobenzene

Concen: 157.726 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062511.D

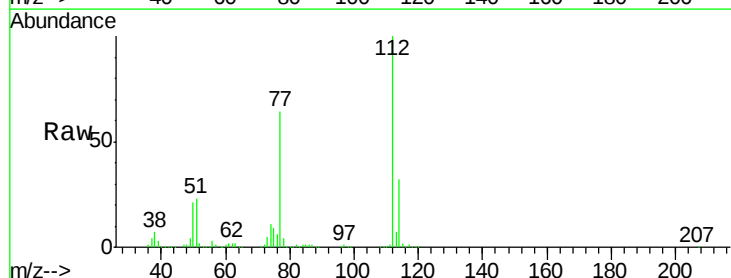
Acq: 13 Jul 2020 11:12

Tgt Ion: 112 Resp: 1141684

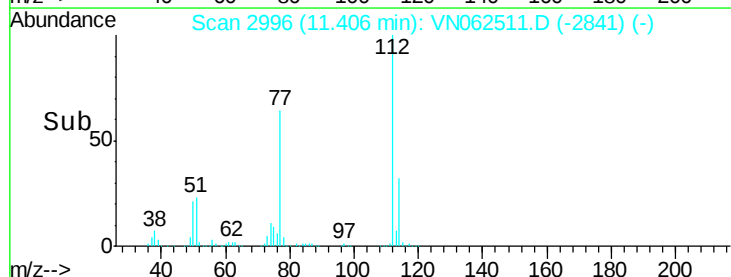
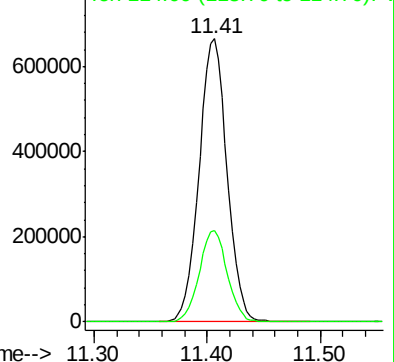
Ion Ratio Lower Upper

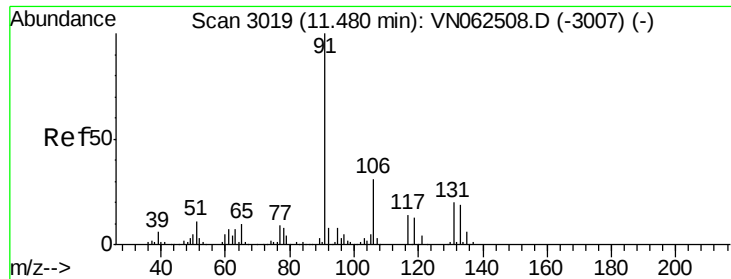
112 100

114 32.1 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): VN062511.D (-2841) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 151.355 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

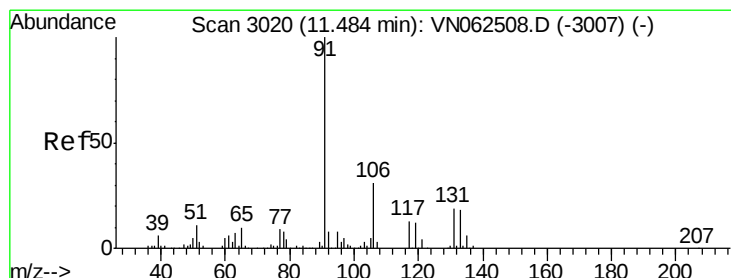
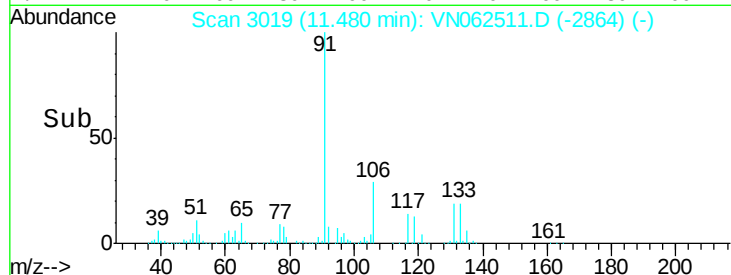
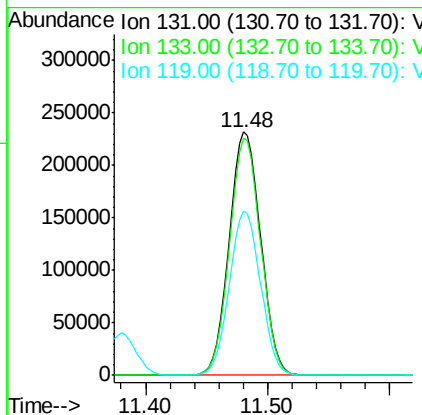
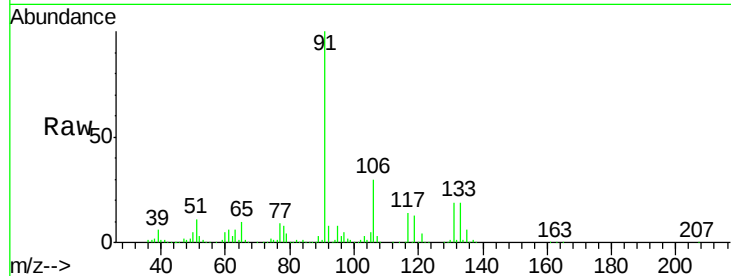
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	417180
Ion Ratio	Lower	Upper	
131	100		
133	96.2	0.0	191.4
119	66.9	0.0	136.2

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#66

Ethyl Benzene

Concen: 171.577 ug/l

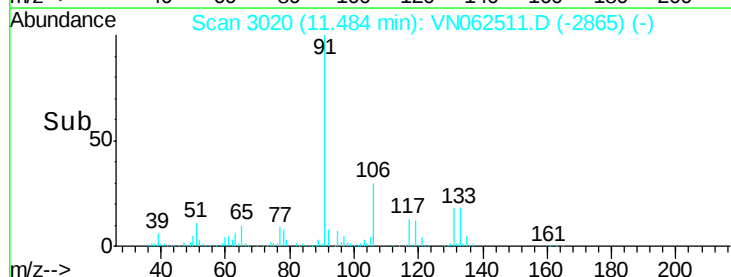
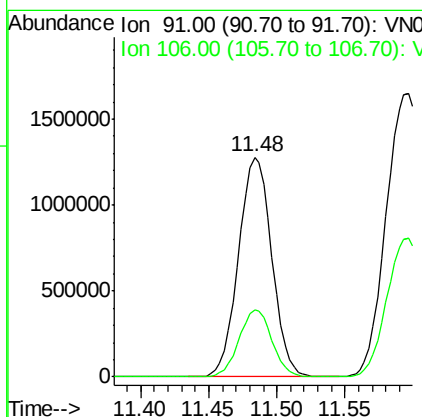
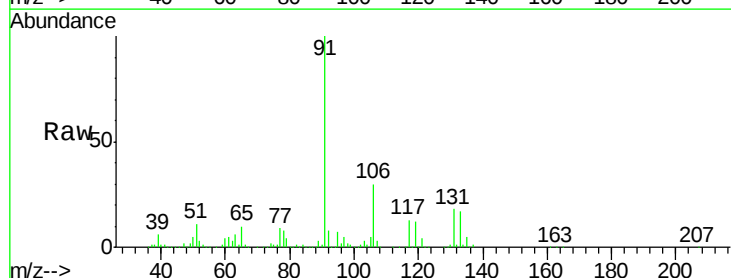
RT: 11.48 min Scan# 3020

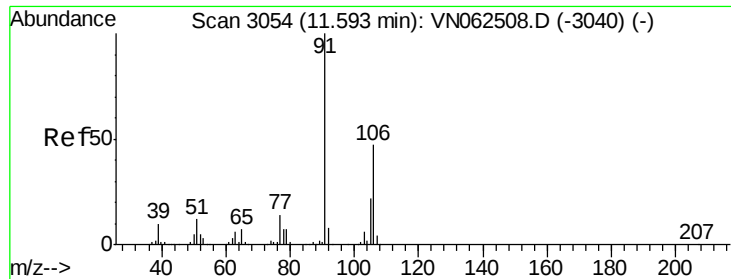
Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	91	Resp:	2166388
Ion Ratio	Lower	Upper	
91	100		
106	30.3	24.6	36.8





#67

m/p-Xvlenes

Concen: 322.533 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 1584959

Ion Ratio Lower Upper

106 100

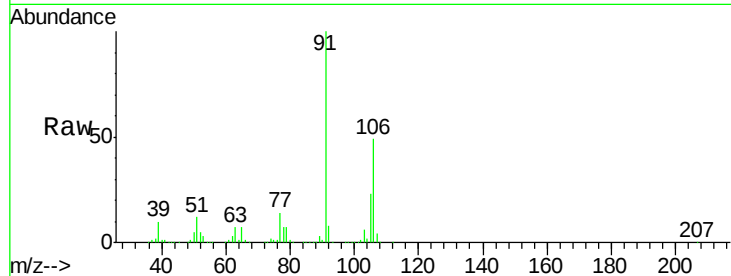
91 209.0 170.7 256.1

Manual Integrations

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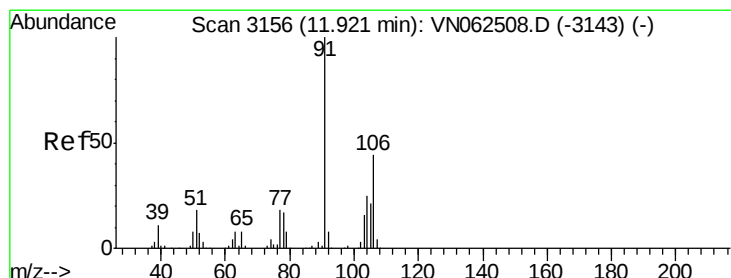
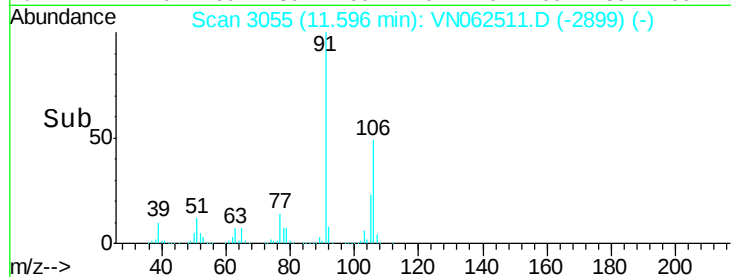
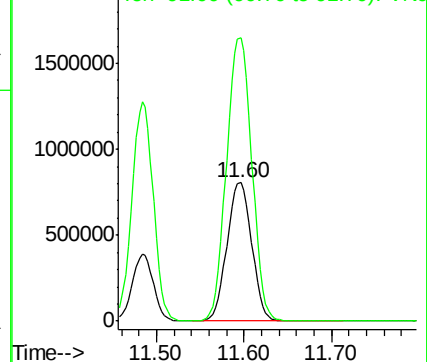
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 164.252 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN062511.D

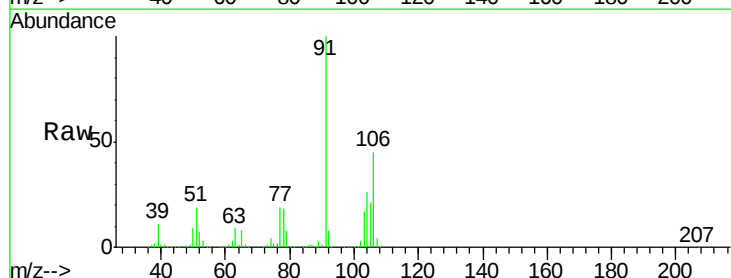
Acq: 13 Jul 2020 11:12

Tgt Ion:106 Resp: 764982

Ion Ratio Lower Upper

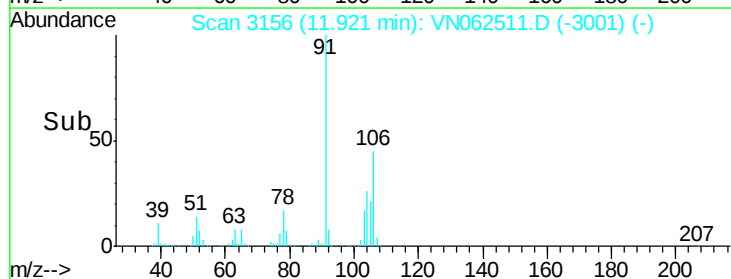
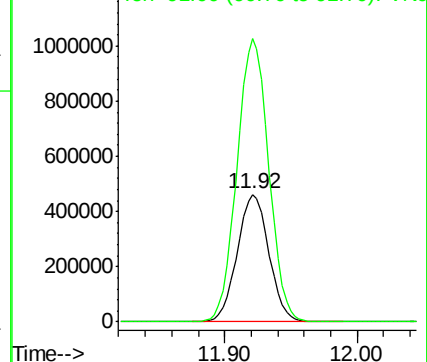
106 100

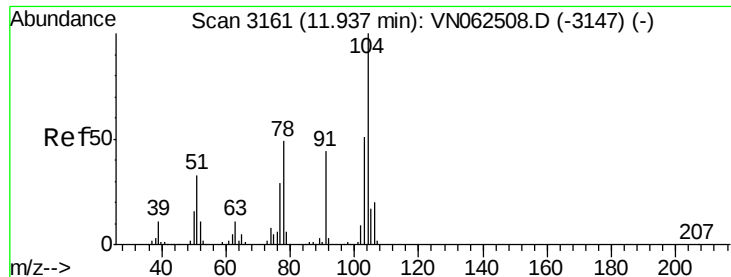
91 222.6 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





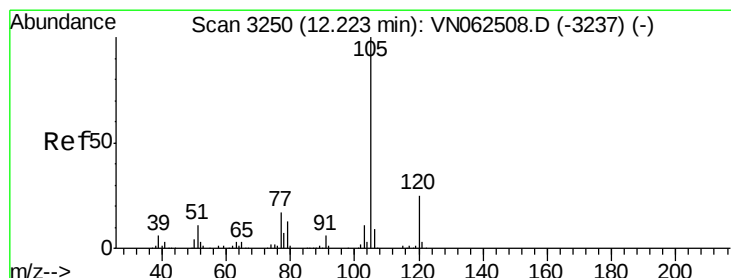
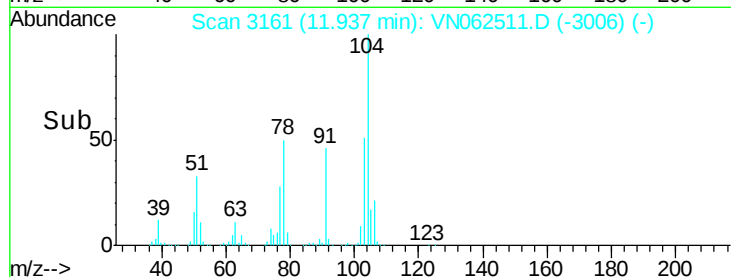
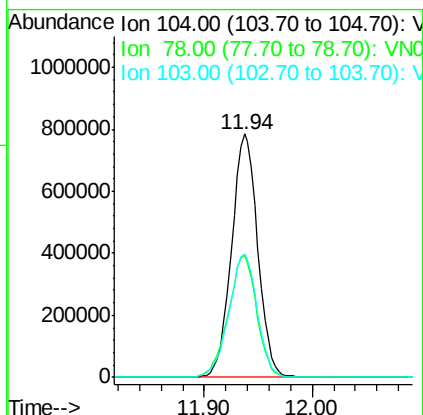
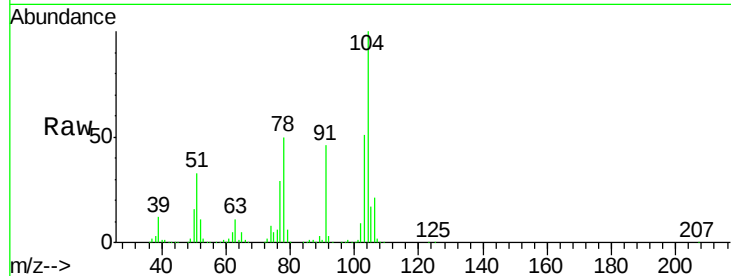
#69
Stvrene
Concen: 167.225 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.9	65.9
103	54.9	43.8	65.6

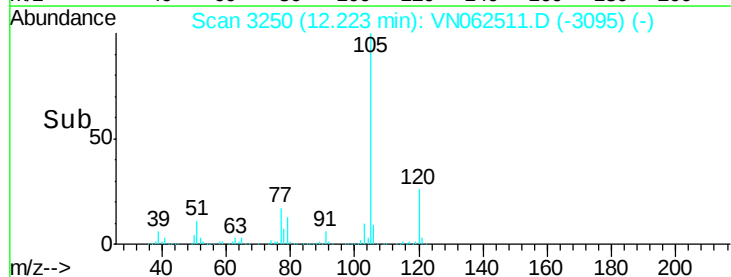
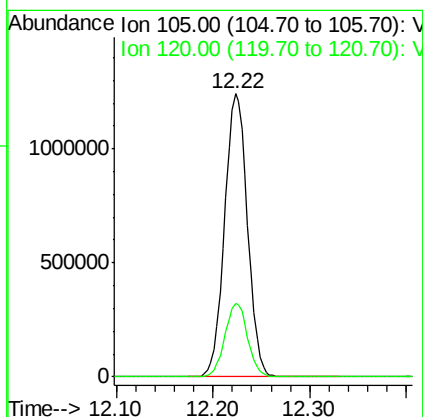
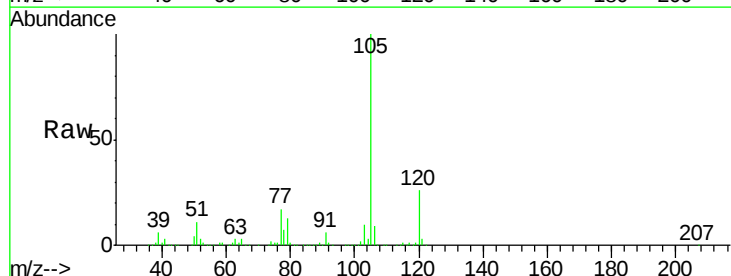
Manual Integrations
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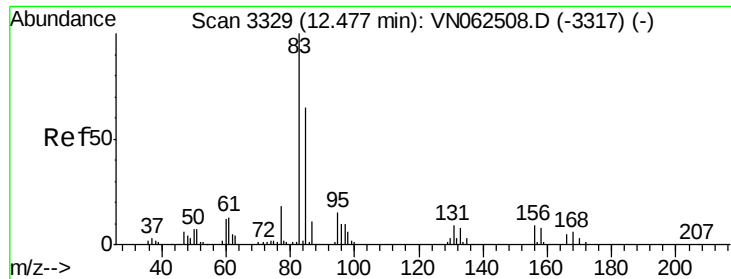
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#70
Isopropylbenzene
Concen: 164.296 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	17.6	32.8





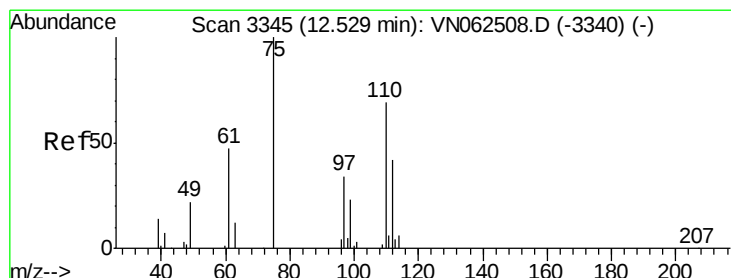
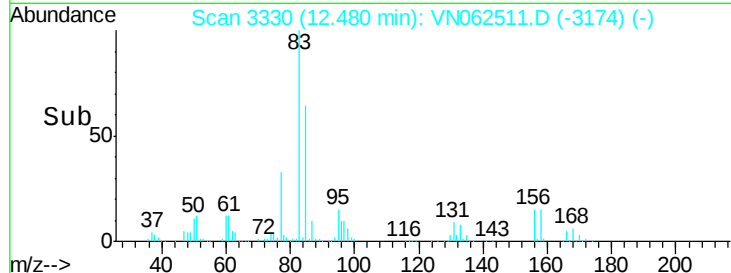
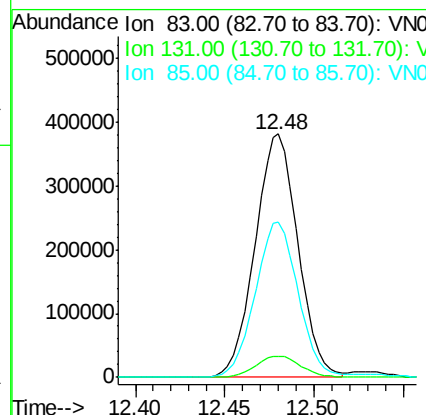
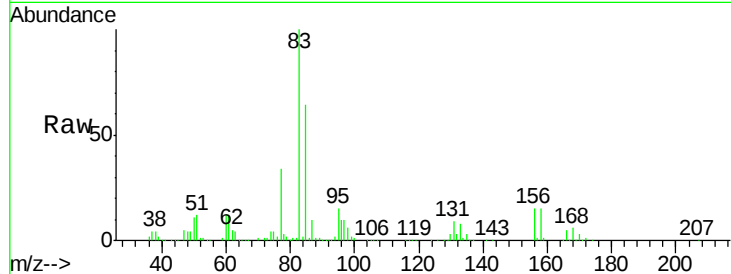
#71
 1,1,2,2-Tetrachloroethane
 Concen: 186.053 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	63.9	32.5	97.4

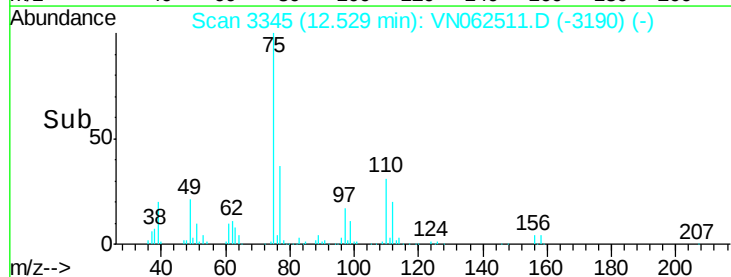
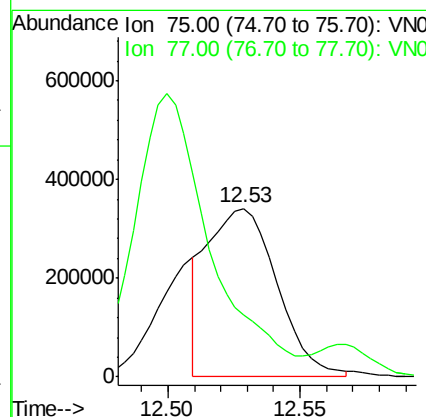
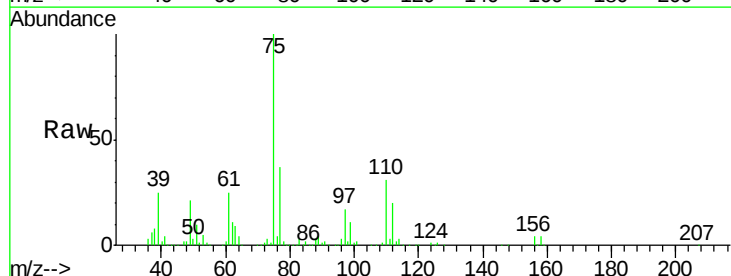
Manual Integrations
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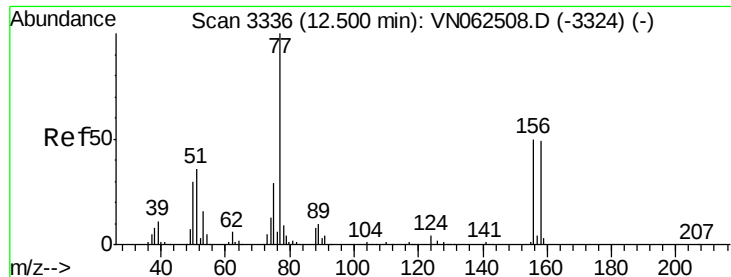
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#72
 1,2,3-Trichloropropane
 Concen: 195.820 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	183.1	0.0	376.2





#73

Bromobenzene

Concen: 145.587 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

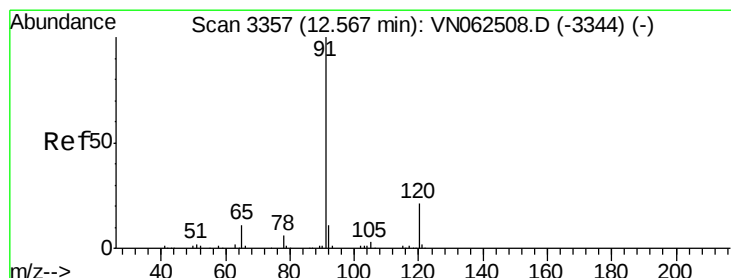
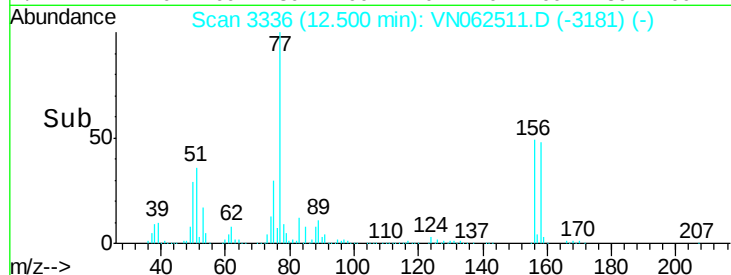
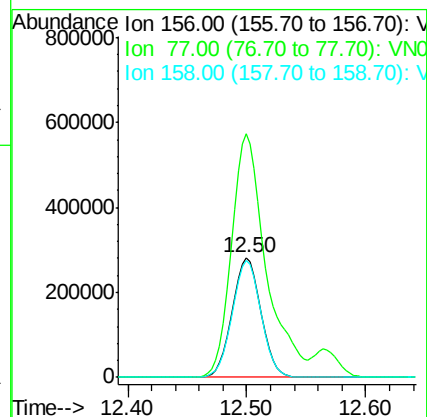
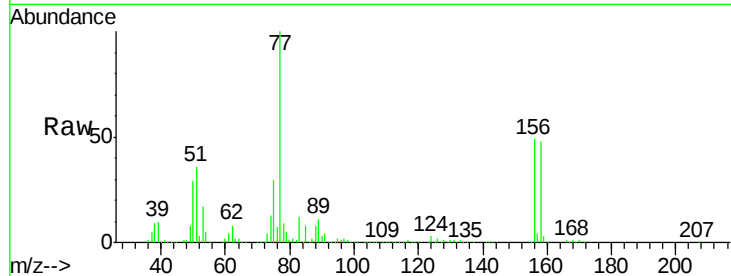
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	472430
Ion Ratio	Lower	Upper	
156	100		
77	243.8	0.0	485.0
158	97.4	0.0	192.6

Manual Integrations
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#74

n-propylbenzene

Concen: 176.000 ug/l

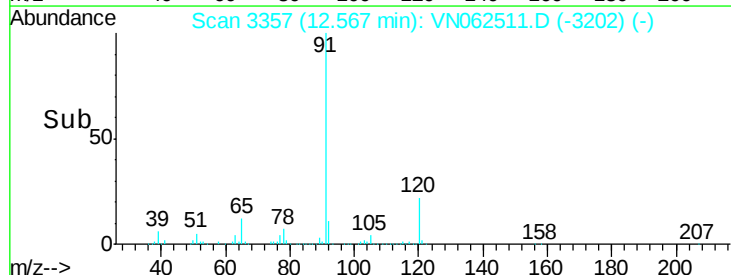
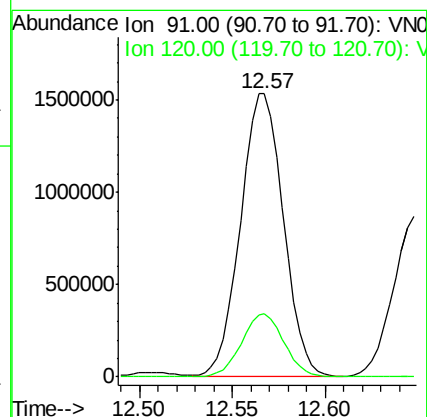
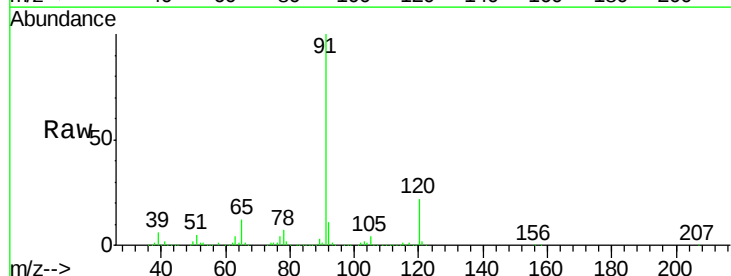
RT: 12.57 min Scan# 3357

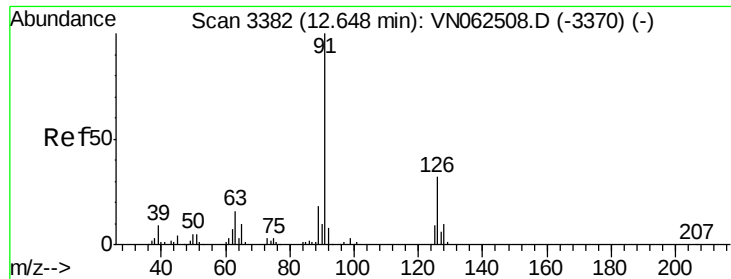
Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	91	Resp:	2472923
Ion Ratio	Lower	Upper	
91	100		
120	21.9	0.0	42.8





#75

2-Chlorotoluene

Concen: 176.131 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1473549

Ion Ratio Lower Upper

91 100

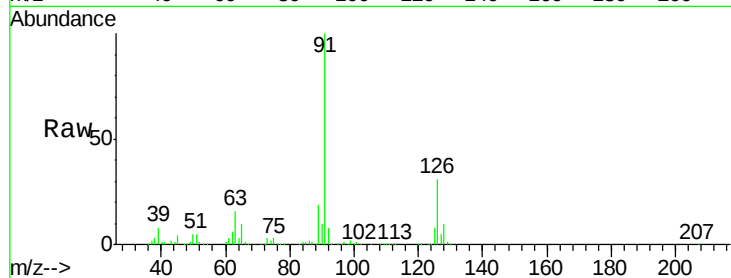
126 31.2 0.0 62.2

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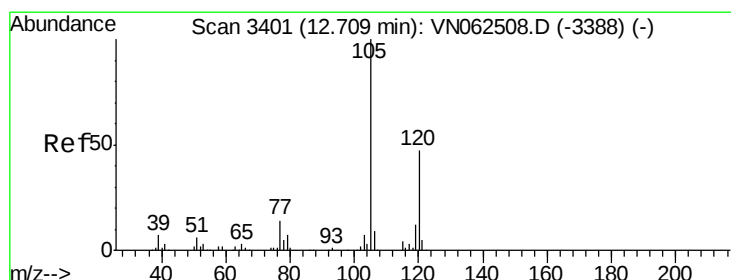
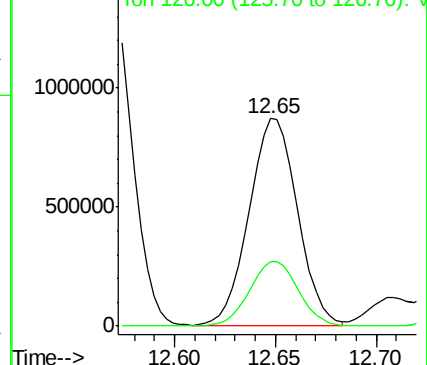
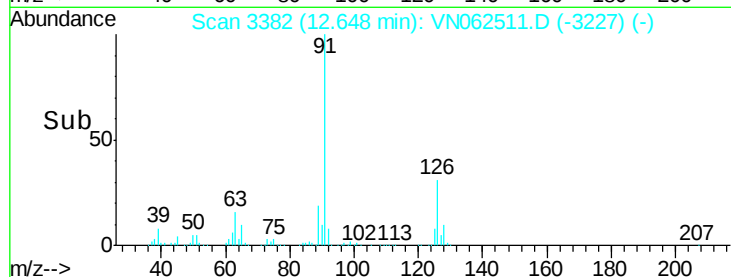
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Abundance Ion 91.00 (90.70 to 91.70): VN062511.D (-3227) (-)



#76

1,3,5-Trimethylbenzene

Concen: 171.116 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062511.D

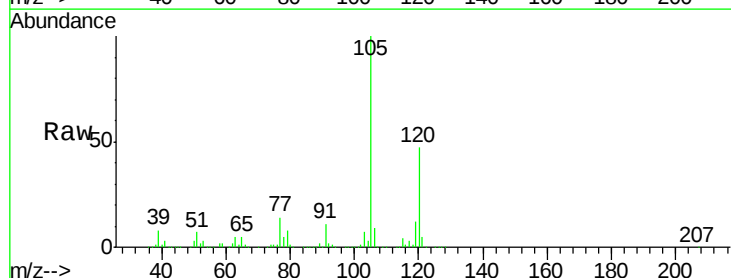
Acq: 13 Jul 2020 11:12

Tgt Ion: 105 Resp: 1763786

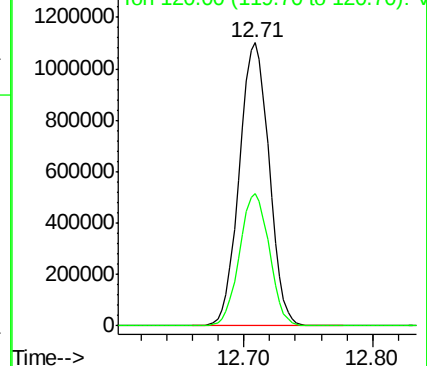
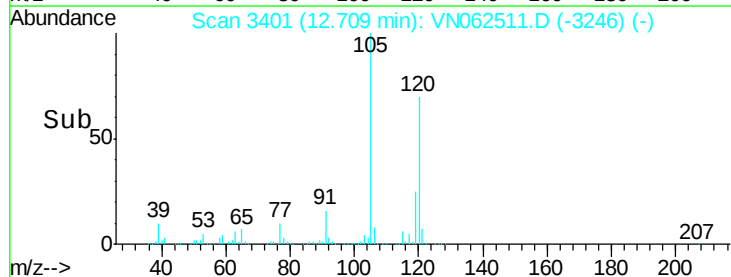
Ion Ratio Lower Upper

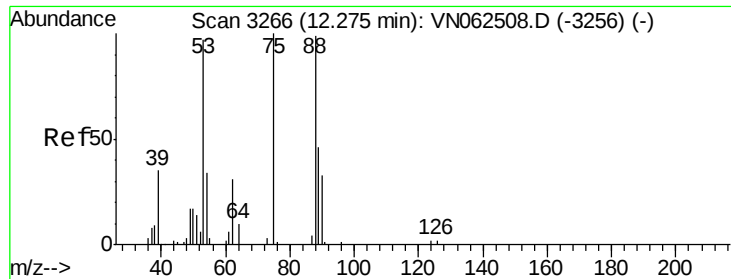
105 100

120 46.9 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062511.D (-3246) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 212.322 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

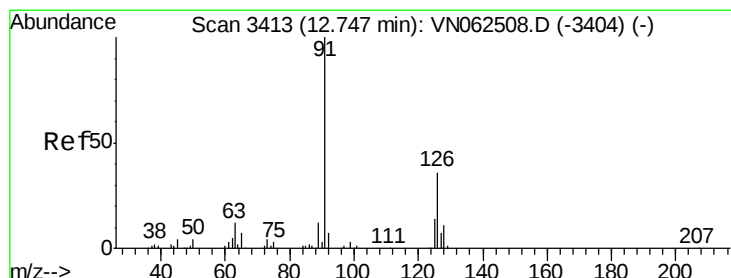
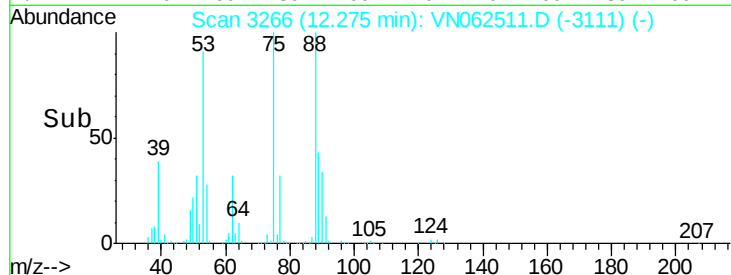
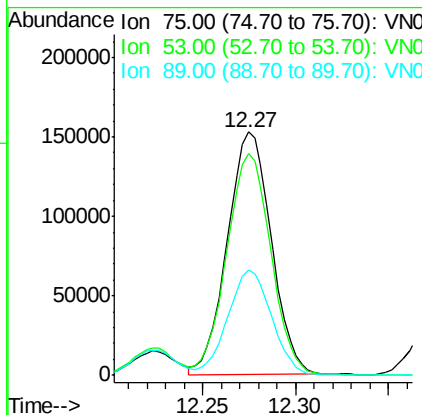
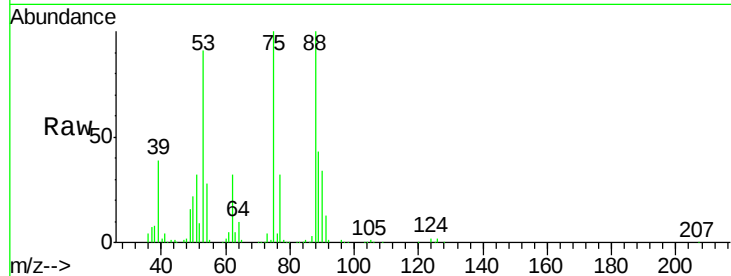
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	251219
Ion Ratio	Lower	Upper	
75	100		
53	90.9	48.3	144.8
89	43.1	23.3	69.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 177.642 ug/l

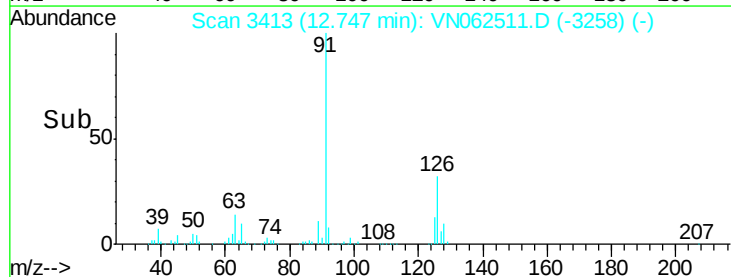
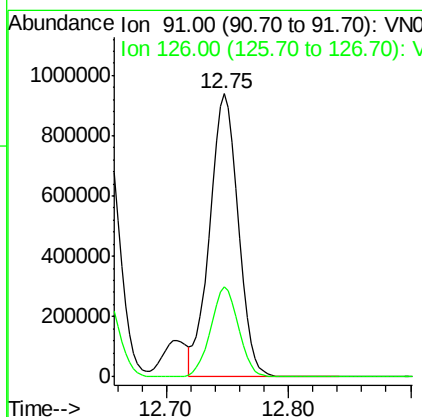
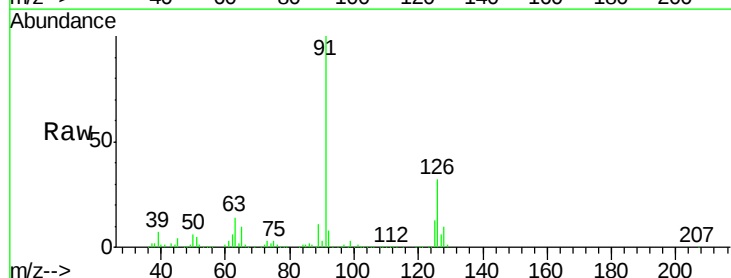
RT: 12.75 min Scan# 3413

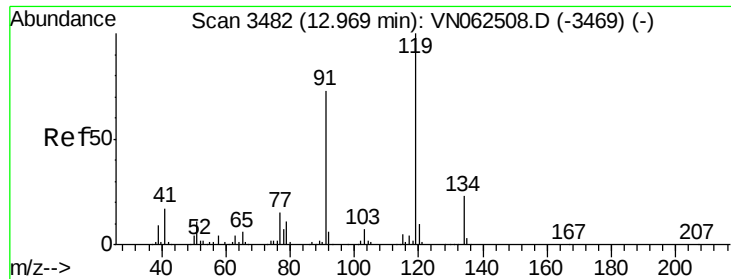
Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	91	Resp:	1538141
Ion Ratio	Lower	Upper	
91	100		
126	31.1	0.0	62.2





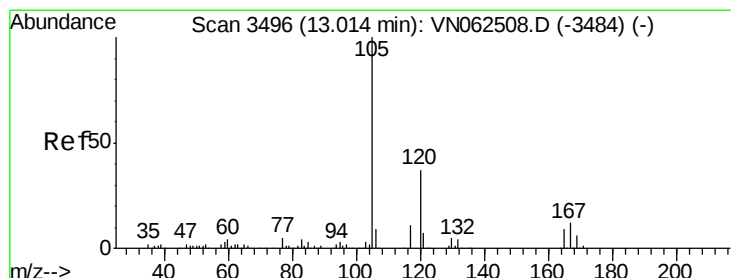
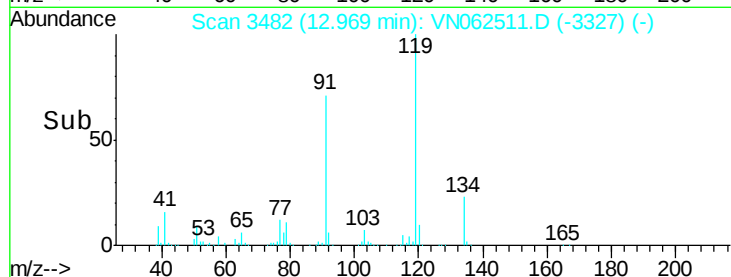
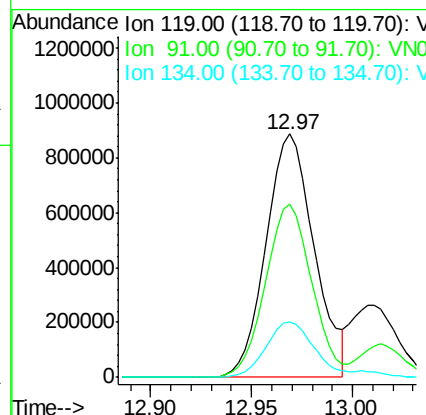
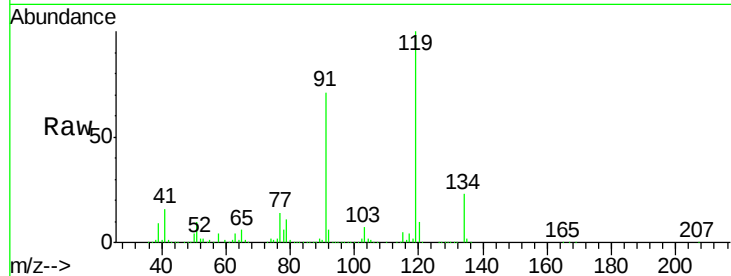
#79
tert-butylbenzene
Concen: 165.964 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	0.0	139.8
134	22.7	0.0	45.0

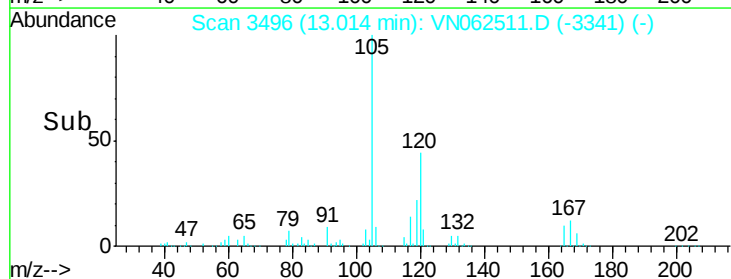
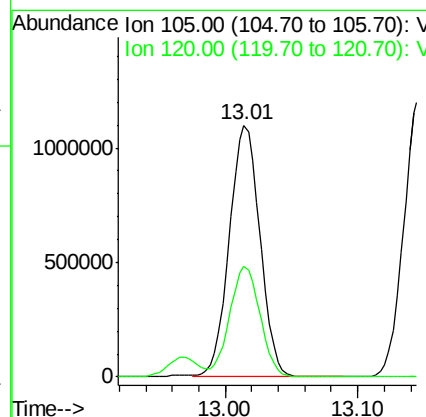
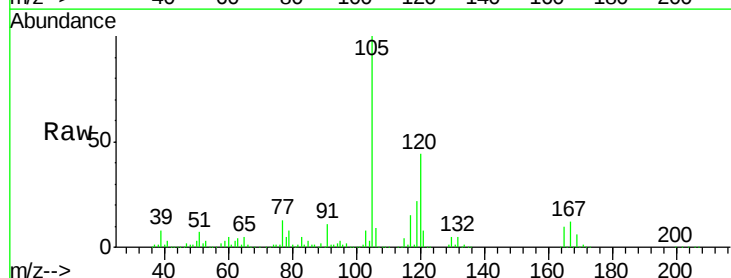
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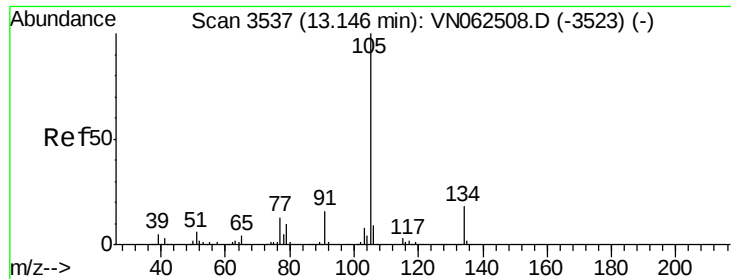
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#80
1,2,4-Trimethylbenzene
Concen: 170.661 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	0.0	86.6





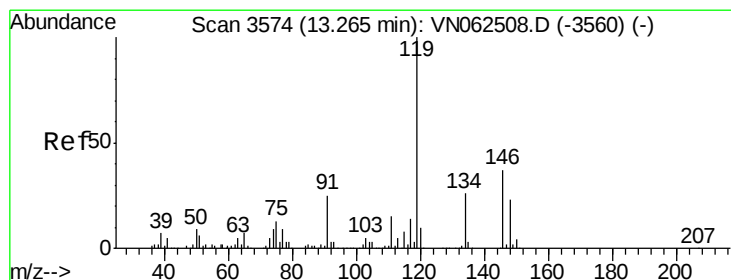
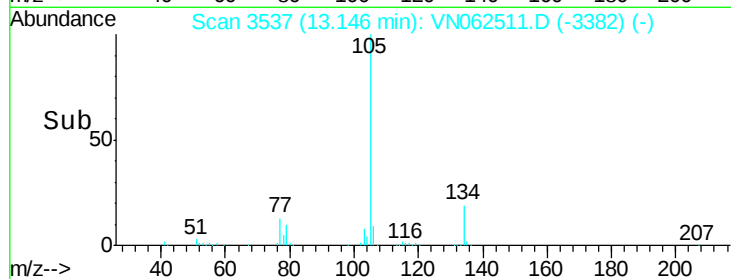
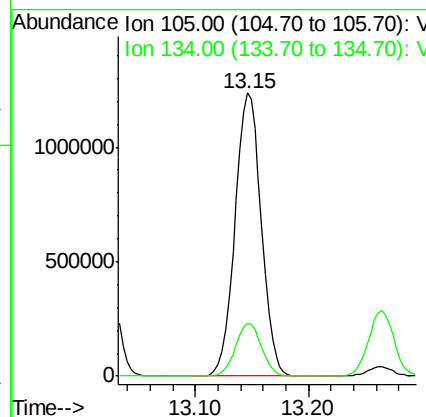
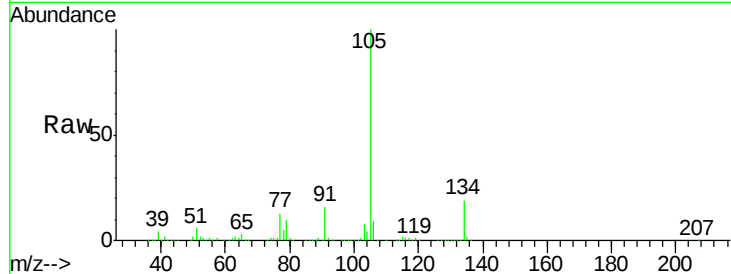
#81
 sec-Butylbenzene
 Concen: 173.002 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1988157
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 37.2

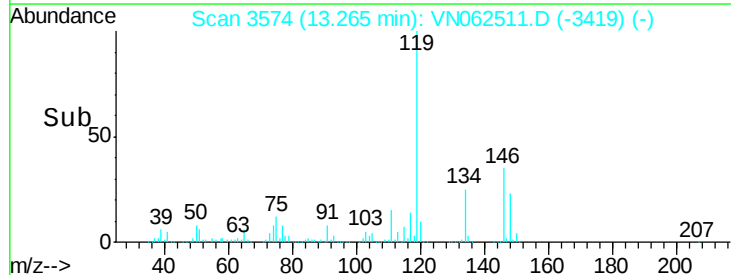
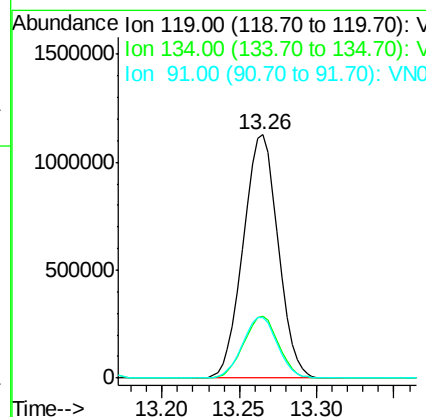
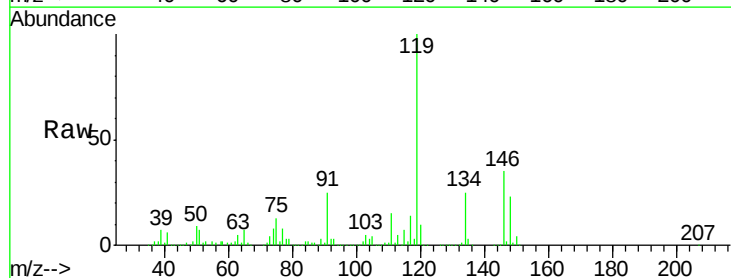
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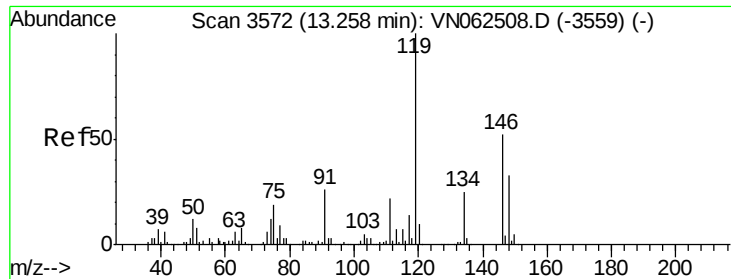
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#82
 p-Isopropyltoluene
 Concen: 167.226 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion:119 Resp: 1768234
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 50.8
 91 25.1 0.0 51.2





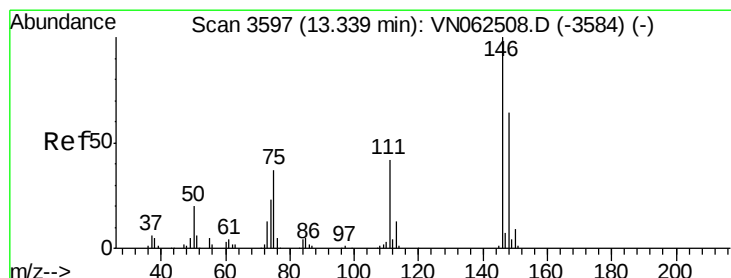
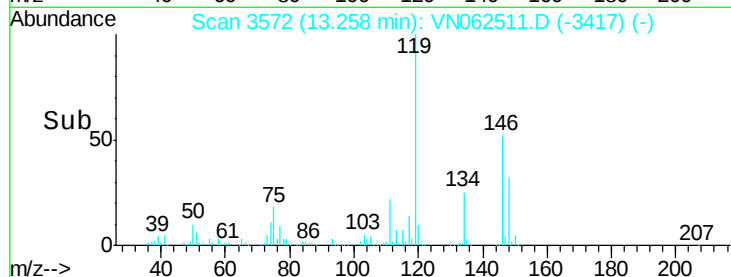
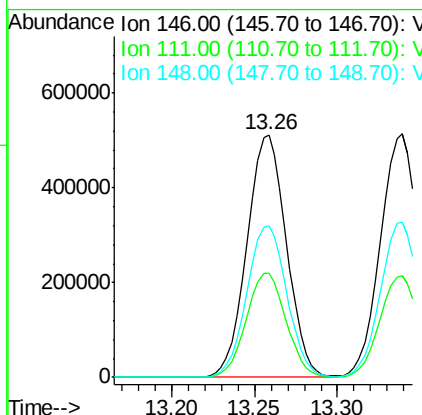
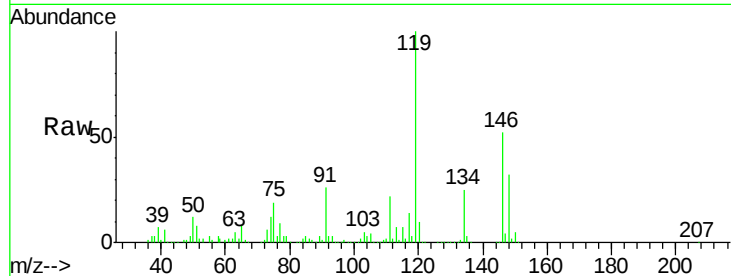
#83
 1,3-Dichlorobenzene
 Concen: 147.262 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.0	63.0
148	63.5	31.7	95.1

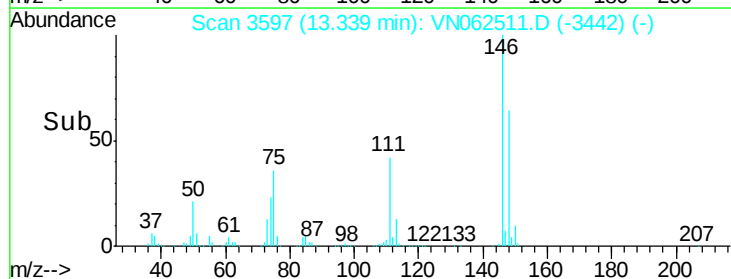
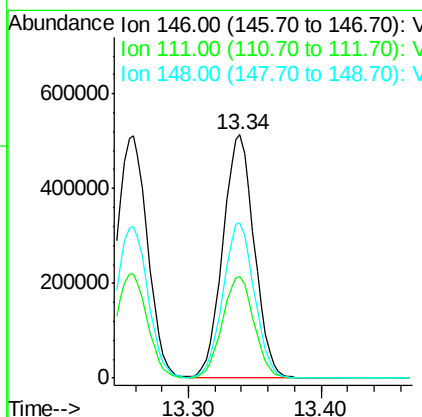
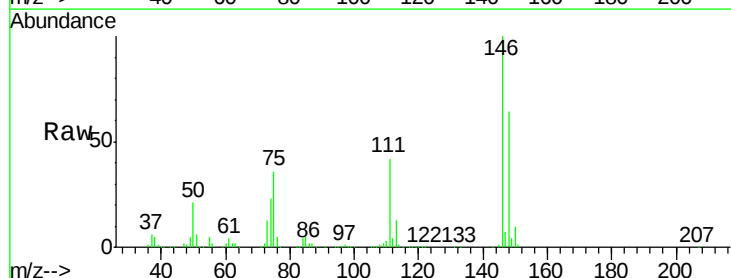
Manual Integrations
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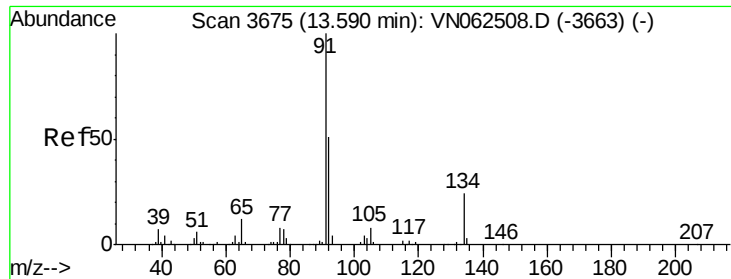
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#84
 1,4-Dichlorobenzene
 Concen: 149.635 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.2
148	63.7	32.4	97.2





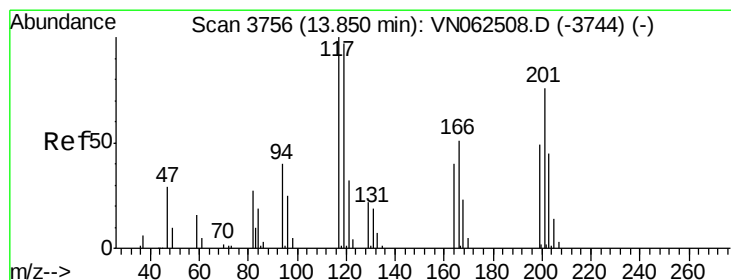
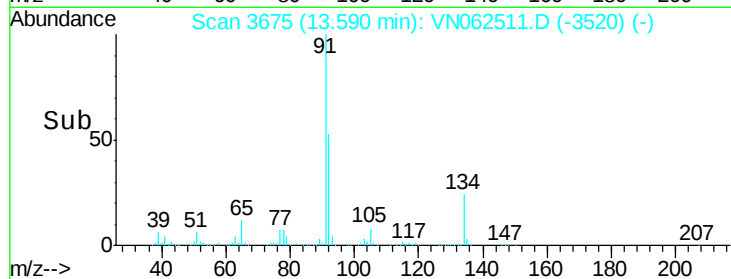
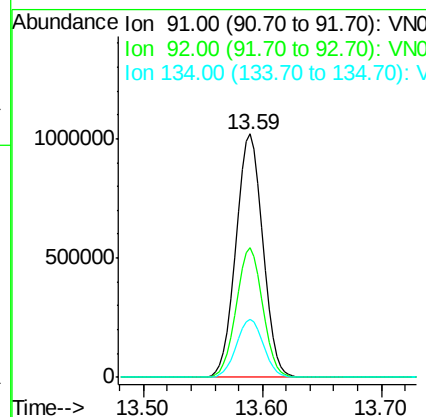
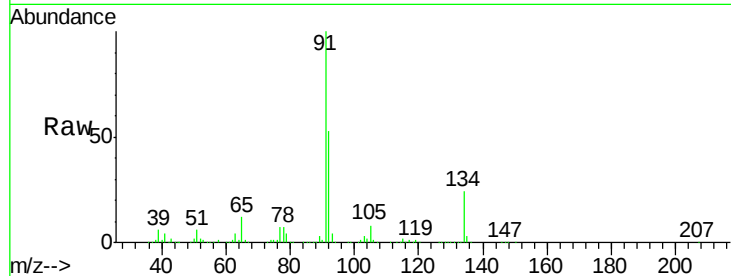
#85
n-Butylbenzene
Concen: 183.015 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 91 Resp: 1596626
Ion Ratio Lower Upper
91 100
92 52.6 0.0 102.4
134 24.0 0.0 46.6

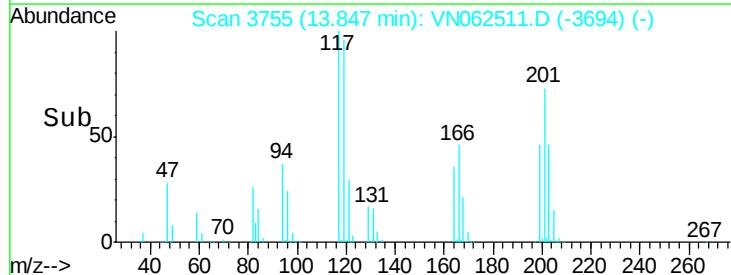
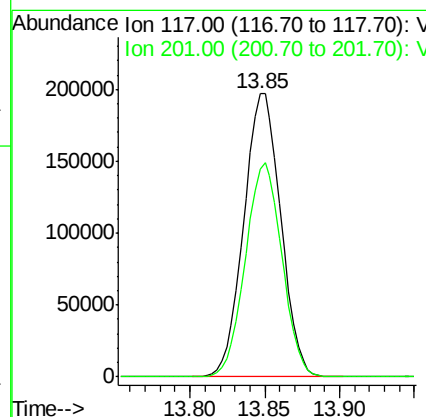
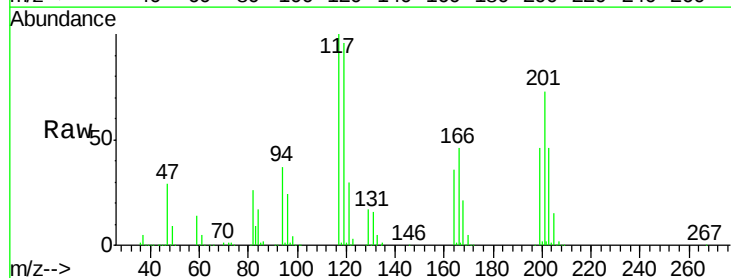
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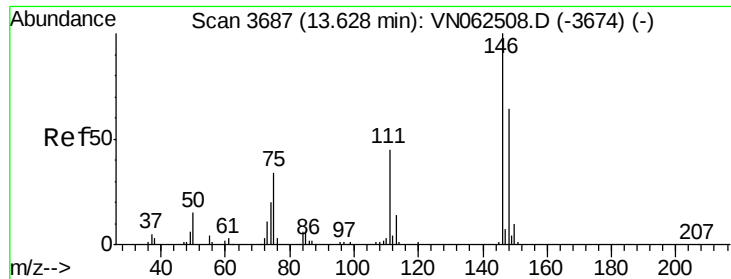
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#86
Hexachloroethane
Concen: 214.971 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 117 Resp: 339781
Ion Ratio Lower Upper
117 100
201 74.6 37.4 112.2





#87

1,2-Dichlorobenzene

Concen: 145.460 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

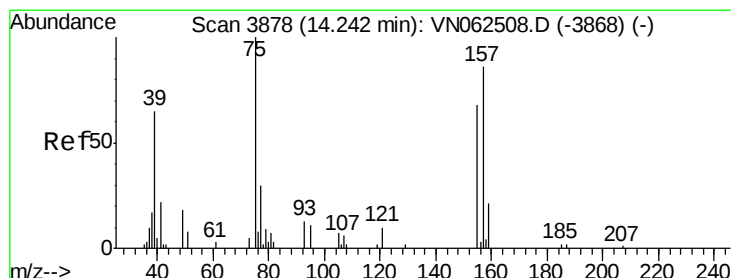
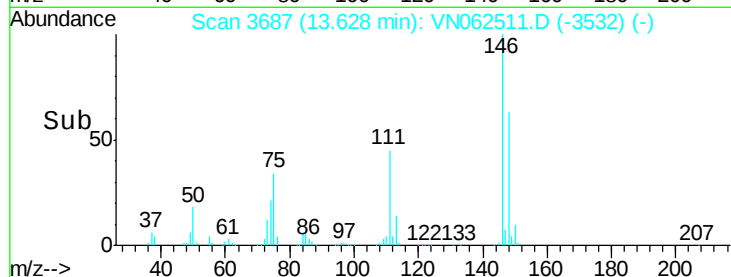
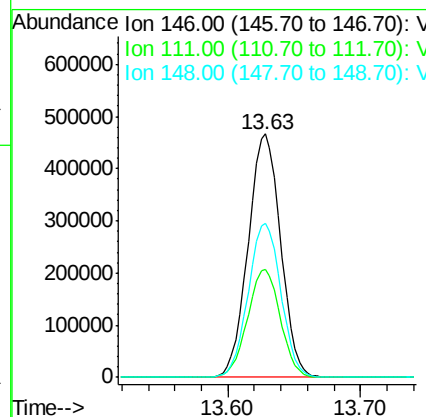
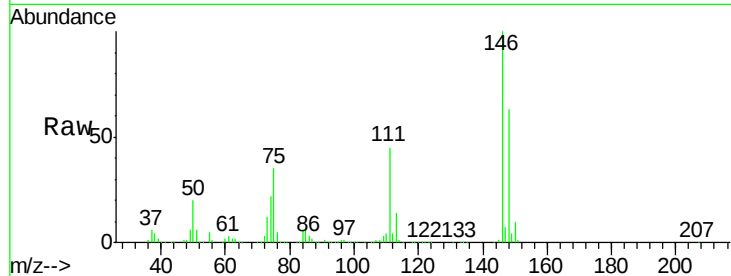
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	794188
Ion Ratio	Lower	Upper	
146	100		
111	44.6	22.4	67.0
148	63.6	32.1	96.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 204.673 ug/l

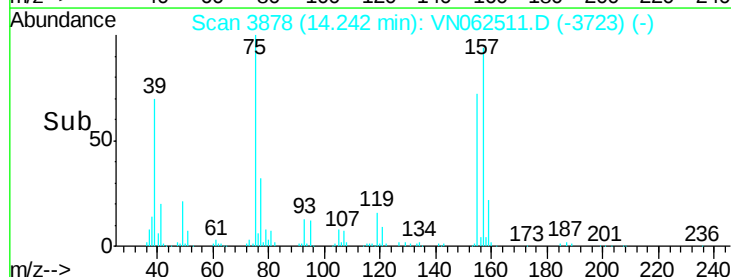
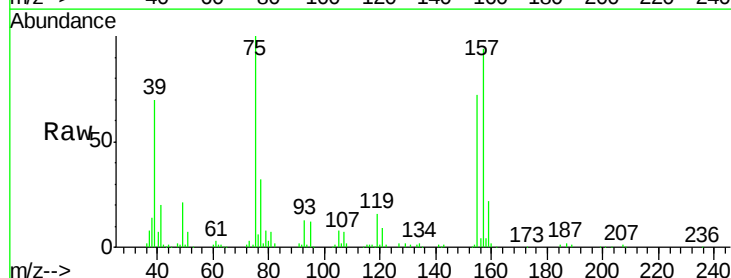
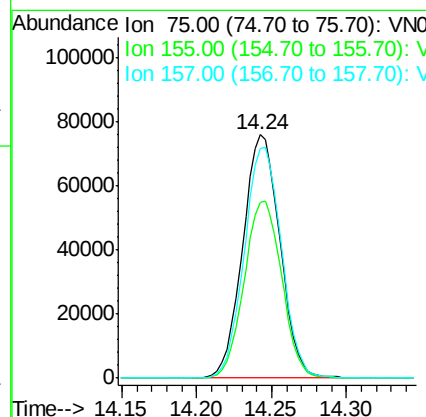
RT: 14.24 min Scan# 3878

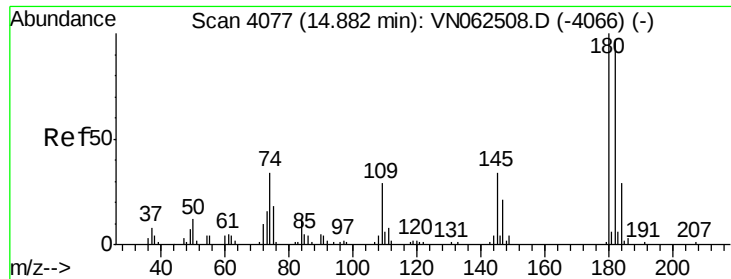
Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion:	75	Resp:	131814
Ion Ratio	Lower	Upper	
75	100		
155	73.2	55.7	83.5
157	94.9	71.0	106.6





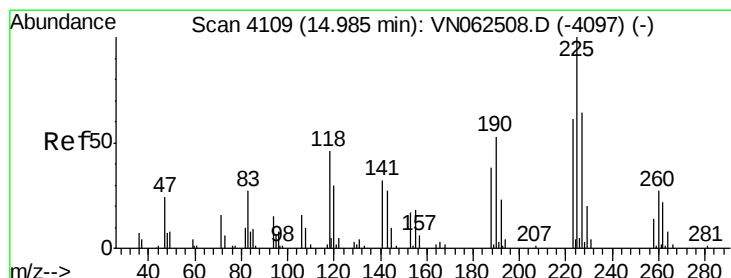
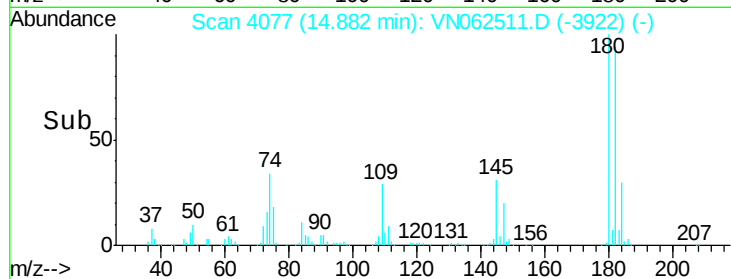
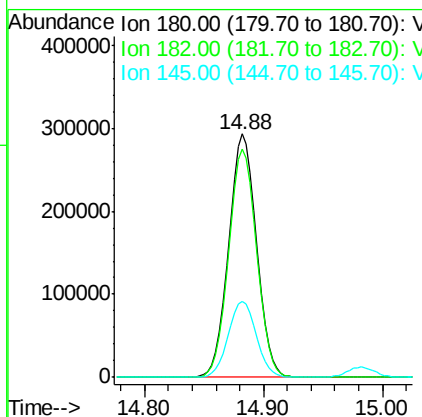
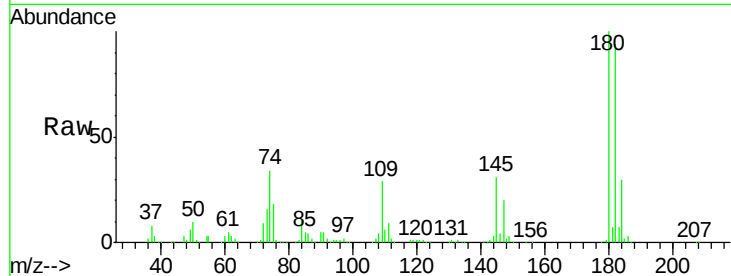
#89
 1,2,4-Trichlorobenzene
 Concen: 152.346 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	474706		
182	94.3	77.5	116.3	
145	31.5	26.1	39.1	

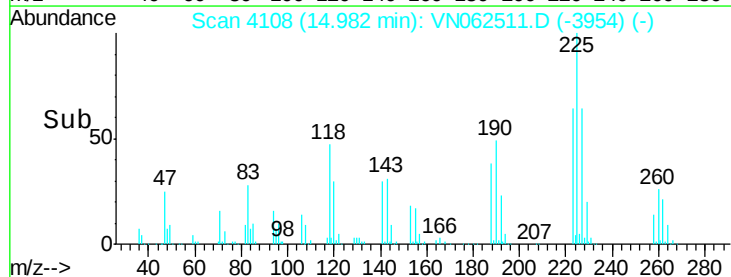
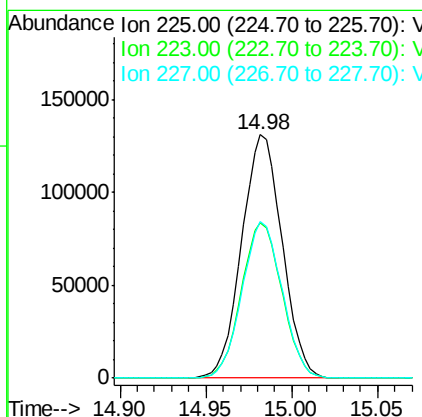
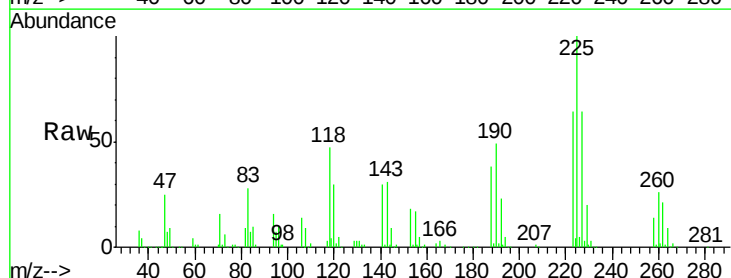
Manual Integrations
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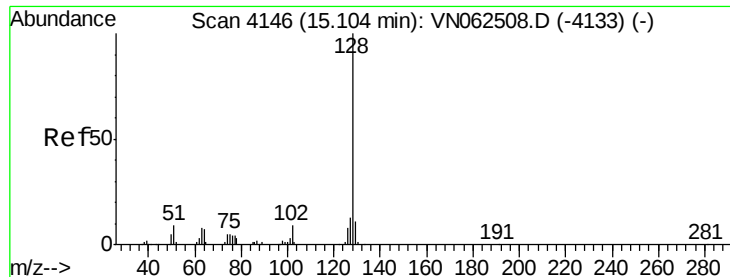
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#90
 Hexachlorobutadiene
 Concen: 152.469 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	214610		
223	63.9	0.0	120.4	
227	63.8	0.0	129.6	





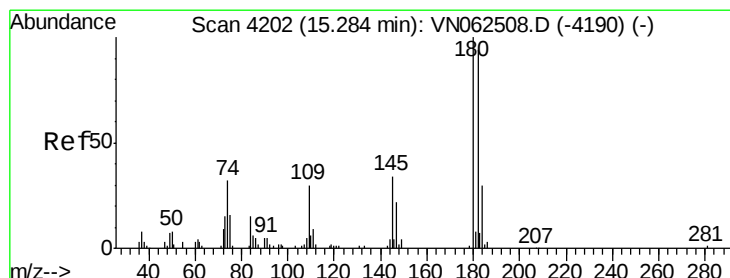
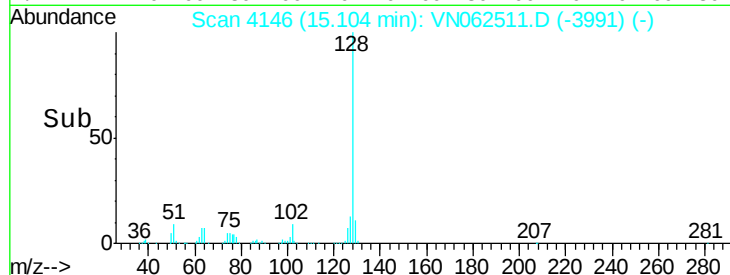
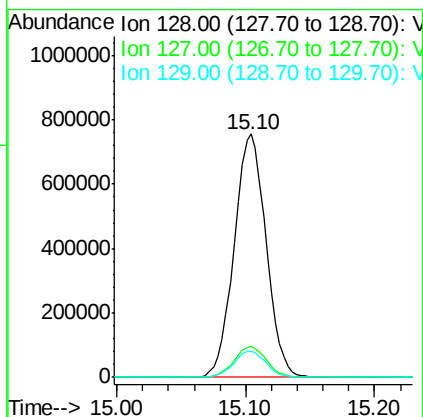
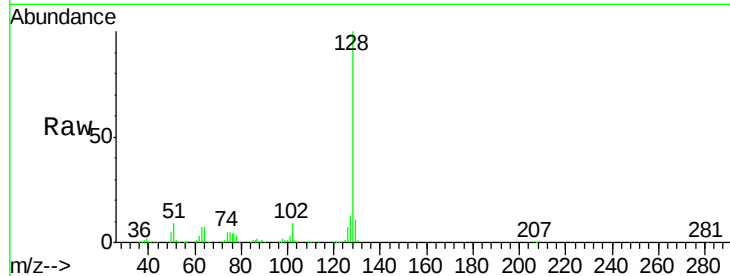
#91
Naphthalene
Concen: 150.380 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:46 AM



#92
1,2,3-Trichlorobenzene
Concen: 150.197 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	187.2
145	32.9	0.0	67.8

