

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062509.D
 Acq On : 13 Jul 2020 10:24
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:42 AM

Quant Time: Jul 13 11:13:35 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	40406	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	229687	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	214547	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	104408	38.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	128.00%
60) 4-Bromofluorobenzene	12.37	95	110625	33.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	113.27%
63) Toluene-d8	10.06	98	302445	32.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	133392	73.103	ug/l 98
3) Chloromethane	2.04	50	189757	83.387	ug/l 98
4) Vinyl Chloride	2.16	62	167324	58.887	ug/l 97
5) Bromomethane	2.53	94	81226	46.592	ug/l 93
6) Chloroethane	2.67	64	81880	43.677	ug/l 96
7) Trichlorofluoromethane	2.98	101	193227	49.282	ug/l 97
8) Diethyl Ether	3.37	74	94838	69.262	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	124863	58.387	ug/l 98
10) 1,1-Dichloroethene	3.70	96	128434	60.550	ug/l 96
11) Methyl Iodide	3.91	142	164810	58.743	ug/l 99
12) Methyl Acetate	4.28	43	170747	87.959	ug/l 99
13) Acrolein	3.56	56	142011	517.190	ug/l 98
14) Acrylonitrile	4.93	53	411772	424.062	ug/l 98
15) Acetone	3.77	58	127296	414.547	ug/l 99
16) Carbon Disulfide	4.01	76	418816	87.798	ug/l 98
17) Allyl chloride	4.27	41	263611	91.035	ug/l 98
18) Methylene Chloride	4.50	84	157593	63.373	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	143537	60.980	ug/l 96
20) Diisopropyl ether	5.90	45	569114	86.457	ug/l 97
21) 1,1-Dichloroethane	5.80	63	297848	73.001	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	159812	57.926	ug/l 97
23) tert-Butyl Alcohol	4.73	59	133704	365.937	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	481749	68.472	ug/l 100
25) Chloroform	7.33	83	274370	62.326	ug/l 98
26) Cyclohexane	7.61	56	265978	82.427	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	219384	66.940	ug/l 99
30) 2-Butanone	6.79	43	578658	440.894	ug/l 98
31) 2,2-Dichloropropane	6.78	77	244002	63.649	ug/l # 73
32) 1,1,1-Trichloroethane	7.53	97	233452	57.610	ug/l 98
33) Carbon Tetrachloride	7.73	117	201084	59.940	ug/l 98
34) Benzene	8.00	78	645314	63.593	ug/l # 92
35) Methacrylonitrile	7.12	41	98542	84.943	ug/l 99
36) 1,2-Dichloroethane	8.09	62	230436	68.345	ug/l 100
37) Trichloroethene	8.80	130	145174	48.924	ug/l 100
38) Methylcyclohexane	9.05	83	241986	66.171	ug/l 100
39) 1,2-Dichloropropane	9.09	63	183218	71.904	ug/l 99
40) Dibromomethane	9.18	93	104741	58.365	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	223808	60.936	ug/l	98
42) Vinyl Acetate	5.84	43	2447037	458.635	ug/l	100
43) Ethyl Acetate	6.88	43	231725	87.662	ug/l	98
44) Isopropyl Acetate	8.13	43	393516	85.582	ug/l	98
45) 1,4-Dioxane	9.17	88	53540	1242.641	ug/l	99
46) Methyl methacrylate	9.17	41	184747	89.252	ug/l	95
47) n-amyl Acetate	12.04	43	342895	87.773	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	266565	67.775	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	283790	66.354	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	148005	56.884	ug/l	99
51) Ethyl methacrylate	10.40	69	257181	71.814	ug/l	97
52) 1,3-Dichloropropane	10.68	76	272200	63.795	ug/l	100
53) Dibromochloromethane	10.87	129	162439	53.886	ug/l	99
54) 1,2-Dibromoethane	10.98	107	152890	56.868	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	418363	317.145	ug/l	100
56) Bromoform	12.10	173	111685	53.010	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	1172217	436.899	ug/l	100
59) 2-Hexanone	10.72	43	864465	441.343	ug/l	99
61) Tetrachloroethene	10.60	164	118480	38.153	ug/l	98
62) Toluene	10.12	91	667709	59.396	ug/l	100
64) Chlorobenzene	11.41	112	390867	55.266	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	144437	53.632	ug/l	100
66) Ethyl Benzene	11.48	91	745692	60.444	ug/l	98
67) m/p-Xylenes	11.59	106	538786	112.213	ug/l	100
68) o-Xylene	11.92	106	258256	56.752	ug/l	99
69) Styrene	11.94	104	443982	57.344	ug/l	99
70) Isopropylbenzene	12.22	105	699457	57.901	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	224788	66.875	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	217287m	69.246	ug/l	
73) Bromobenzene	12.50	156	159031	50.158	ug/l	98
74) n-propylbenzene	12.56	91	833099	60.683	ug/l	100
75) 2-Chlorotoluene	12.65	91	496900	60.787	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	597367	59.314	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	82158	71.066	ug/l	96
78) 4-Chlorotoluene	12.75	91	512982	60.635	ug/l	99
79) tert-butylbenzene	12.97	119	495921	57.073	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	585017	57.910	ug/l	99
81) sec-Butylbenzene	13.15	105	654007	58.244	ug/l	99
82) p-Isopropyltoluene	13.26	119	583336	56.462	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	283567	50.480	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	280308	50.894	ug/l	99
85) n-Butylbenzene	13.59	91	502095	58.903	ug/l	99
86) Hexachloroethane	13.85	117	109529	70.922	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	274332	51.424	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	43220	68.684	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	138075	45.352	ug/l	99
90) Hexachlorobutadiene	14.98	225	76195	55.403	ug/l	98
91) Naphthalene	15.10	128	370001	43.854	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	138700	46.358	ug/l	98

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ClientSampleId :
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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

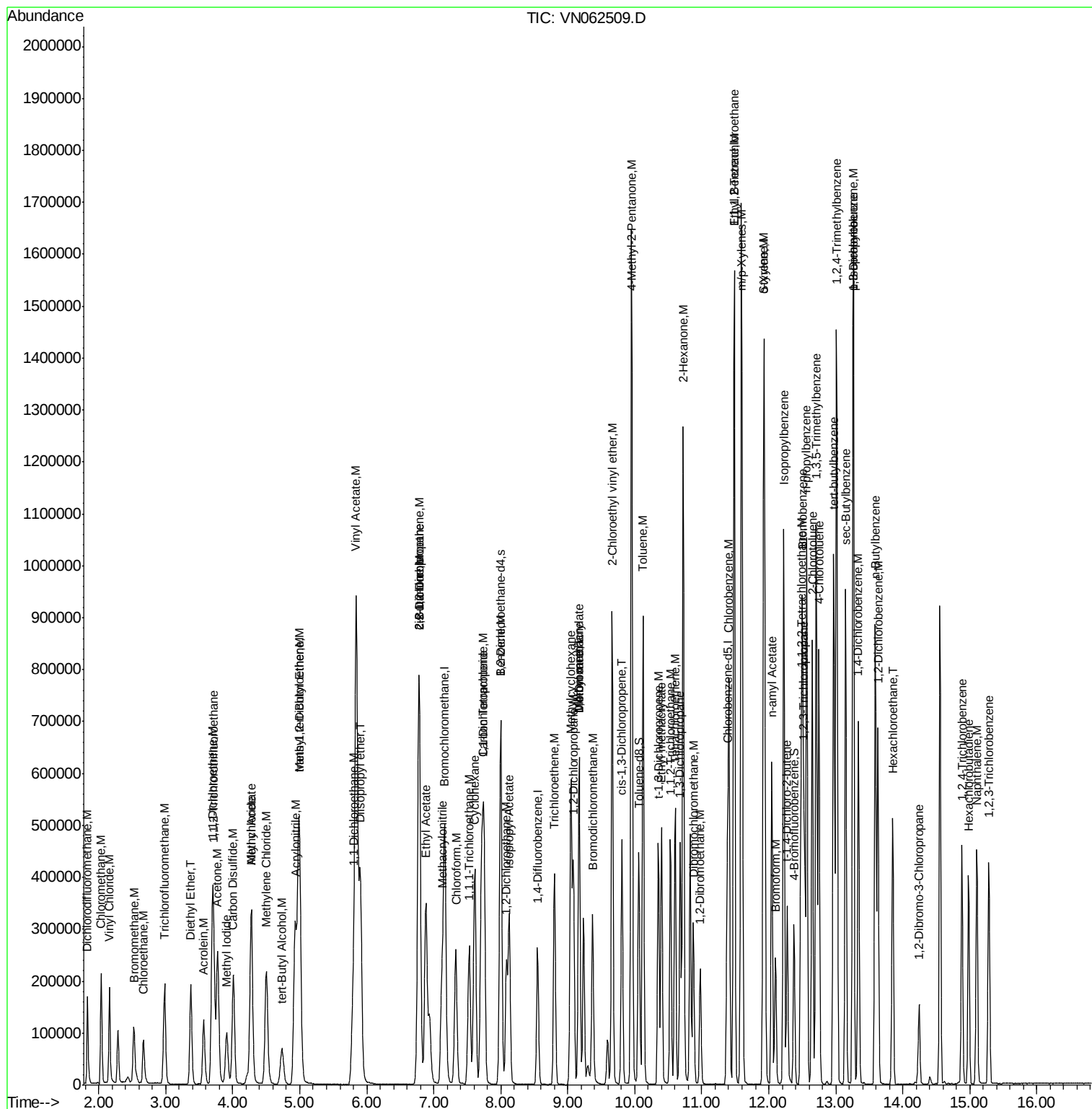
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Data File : VN062509.D
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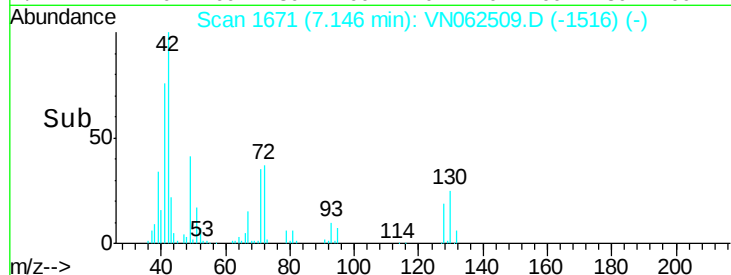
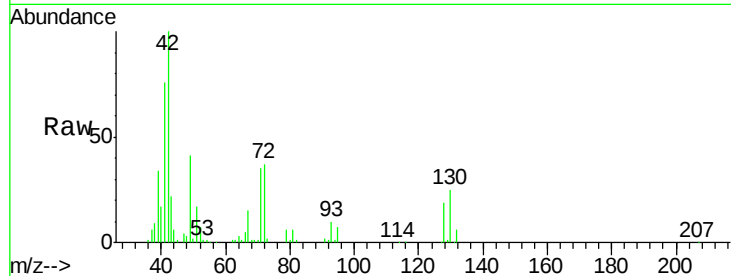
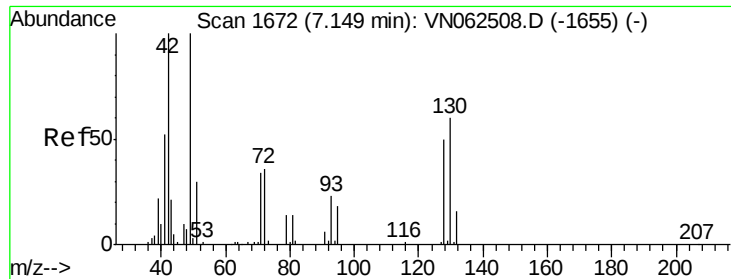
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Manual Integrations
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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: VN062509.D

Acq: 13 Jul 2020 10:24

Tot Ion:	128	Resp:	40406
Ion	Ratio	Lower	Upper
128	100		
49	219.7	0.0	525.0
130	131.9	0.0	319.8

Instrument :

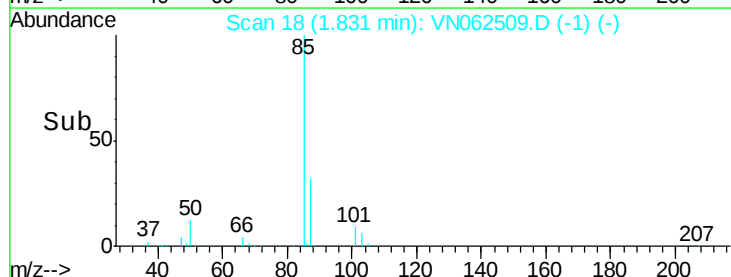
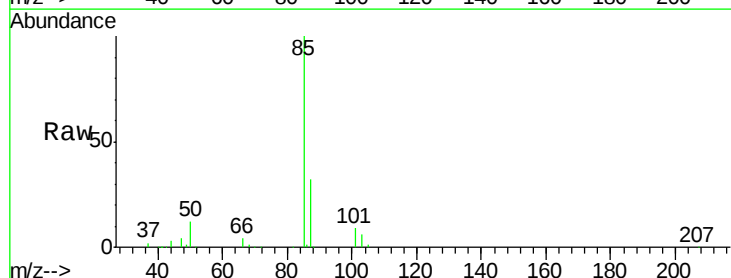
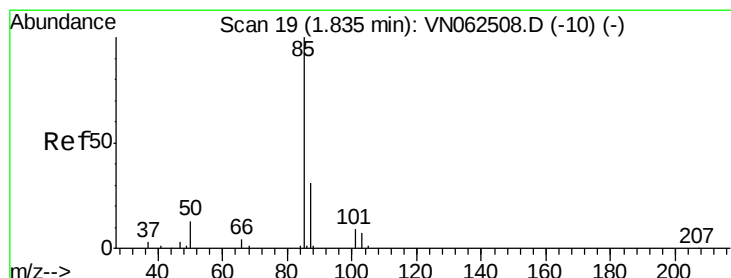
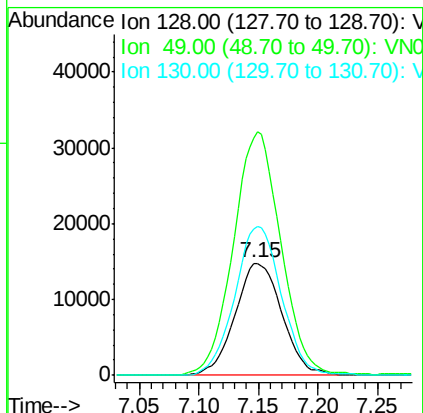
MSVOA_N

ClientSampleId :

VSTDIC050

Manual Integrations
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7/14/2020 11:36:42 AM



#2

Dichlorodifluoromethane

Concen: 73.103 ug/l

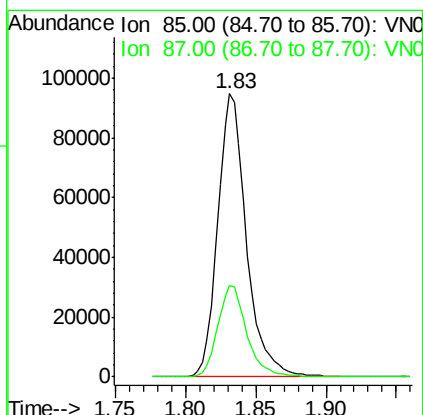
RT: 1.83 min Scan# 18

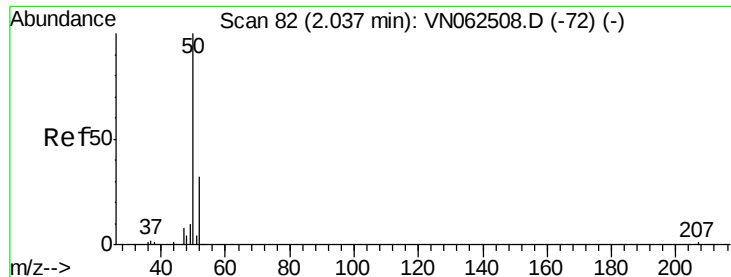
Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	85	Resp:	133392
Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.6	46.7





#3

Chloromethane

Concen: 83.387 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 189757

Ion Ratio Lower Upper

50 100

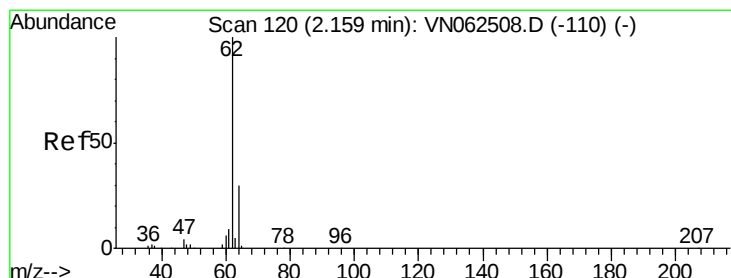
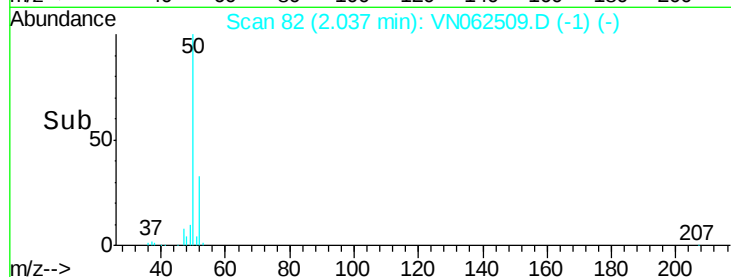
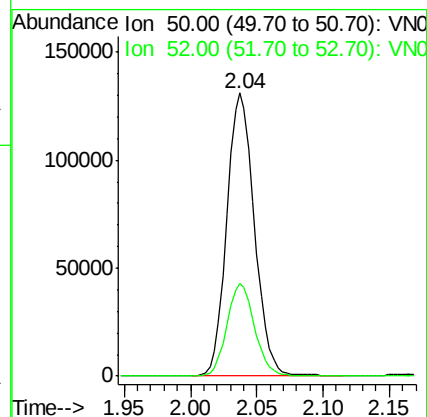
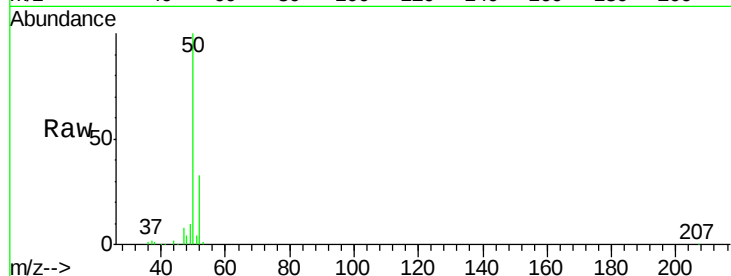
52 32.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.887 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062509.D

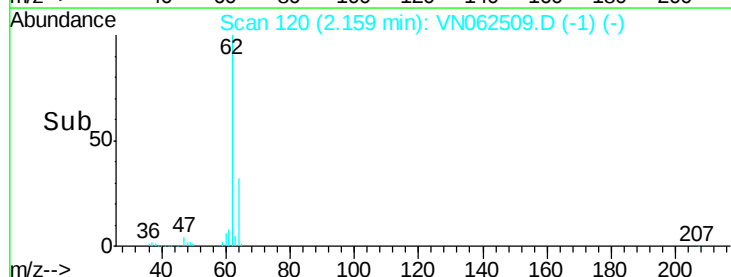
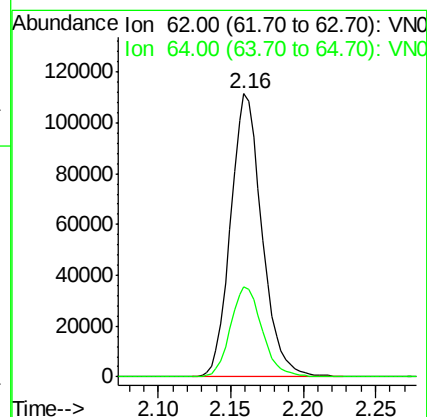
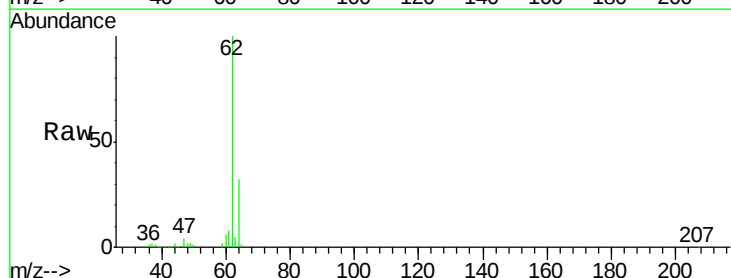
Acq: 13 Jul 2020 10:24

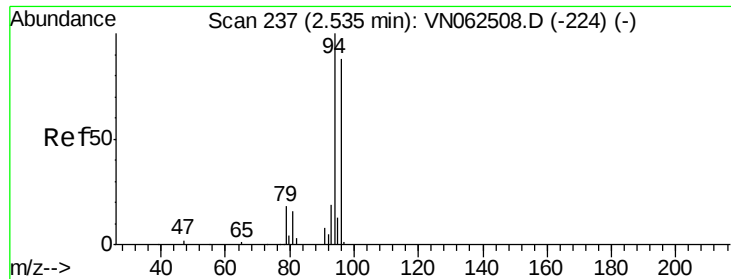
Tgt Ion: 62 Resp: 167324

Ion Ratio Lower Upper

62 100

64 31.8 24.3 36.5





#5

Bromomethane

Concen: 46.592 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 81226

Ion Ratio Lower Upper

94 100

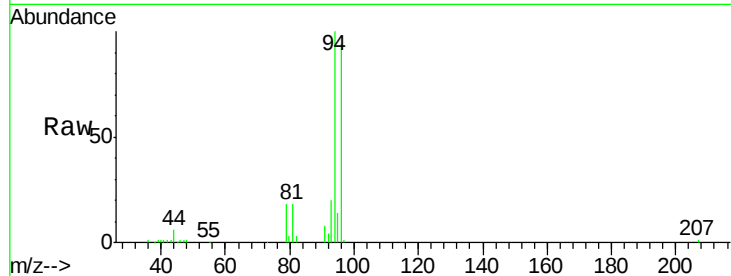
96 93.9 70.2 105.4

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO

2.53

40000

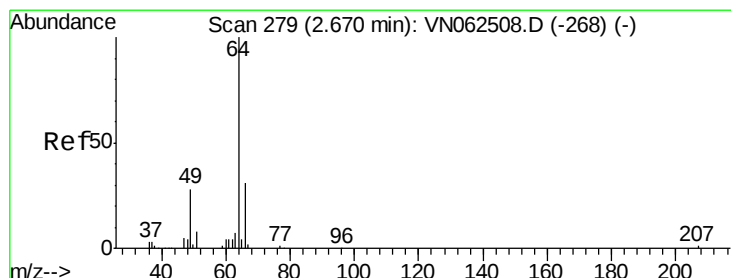
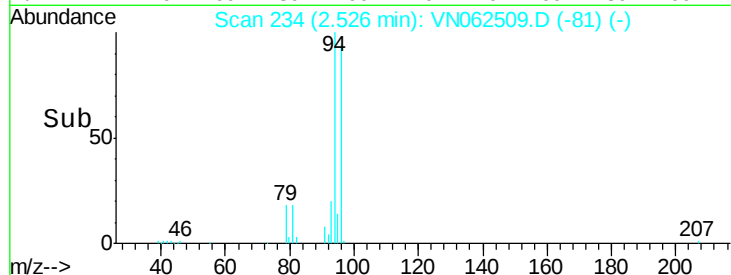
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 43.677 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN062509.D

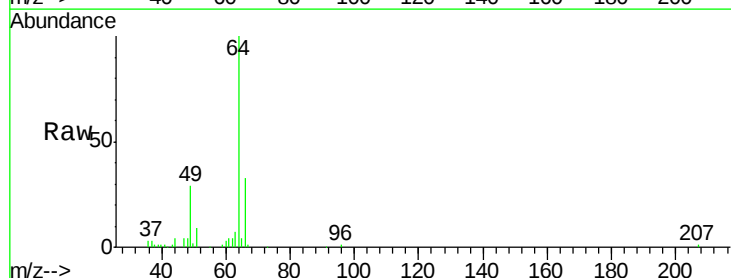
Acq: 13 Jul 2020 10:24

Tgt Ion: 64 Resp: 81880

Ion Ratio Lower Upper

64 100

66 33.1 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO

2.67

40000

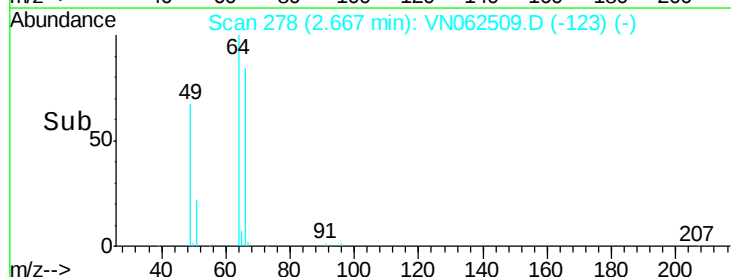
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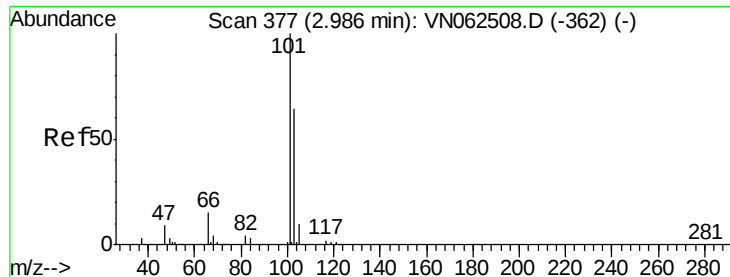
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Time-->





#7

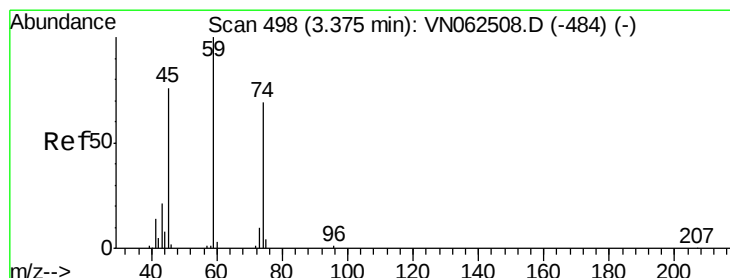
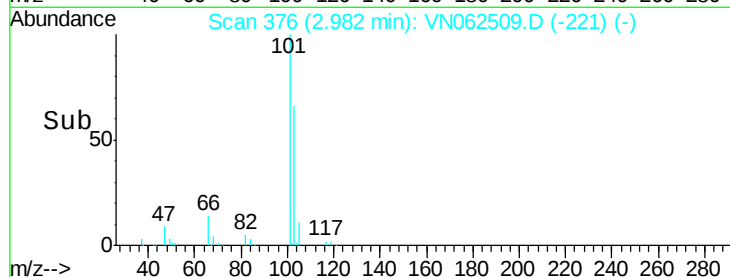
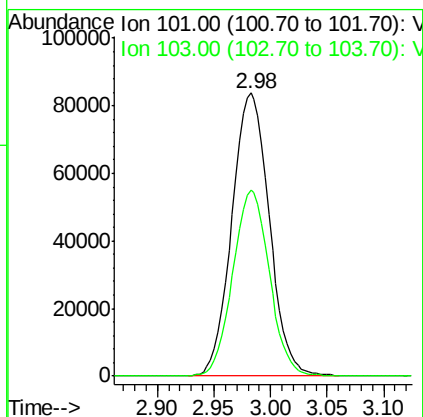
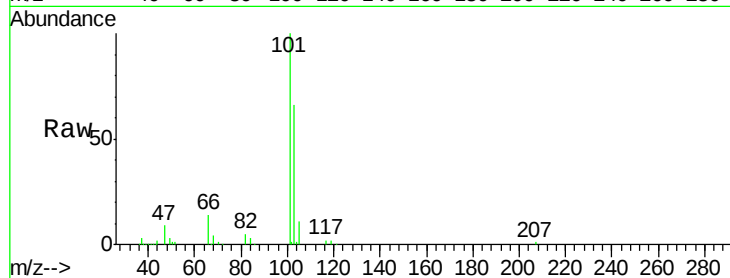
Trichlorofluoromethane
 Concen: 49.282 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		193227		
103	65.9	50.9	76.3		

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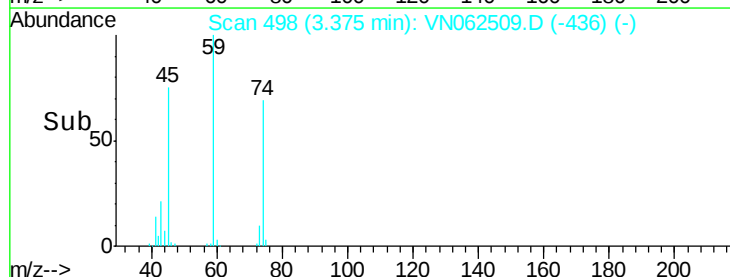
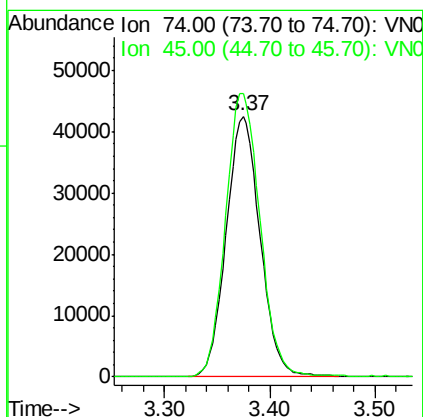
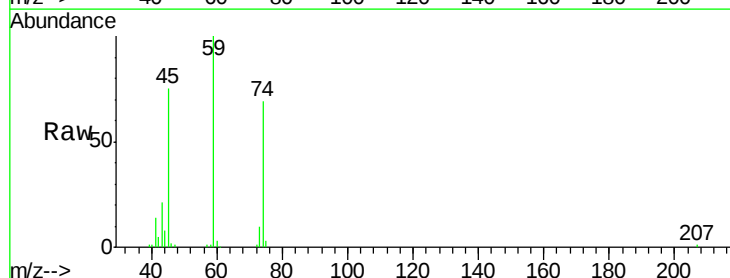
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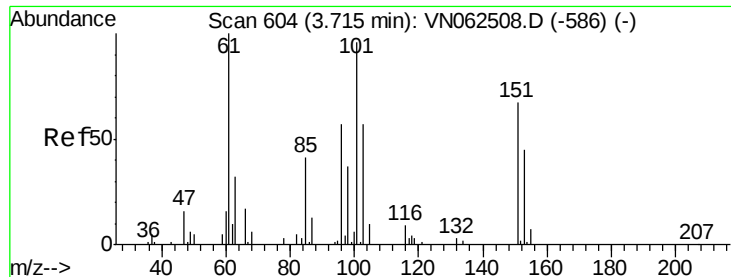


#8

Diethyl Ether
 Concen: 69.262 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		94838		
45	110.9	21.8	196.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.387 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062509.D

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Instrument :

MSVOA_N

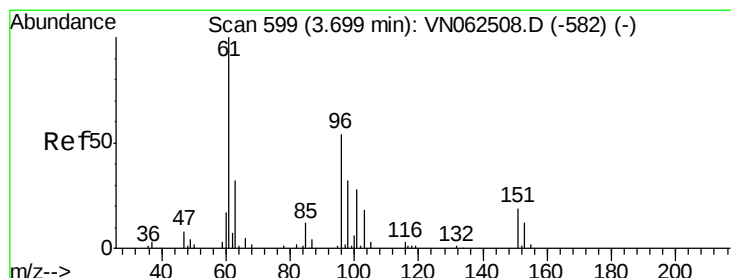
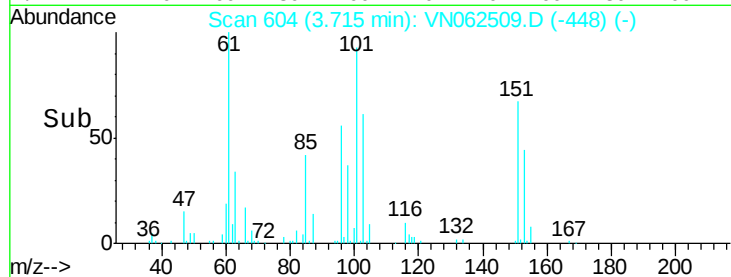
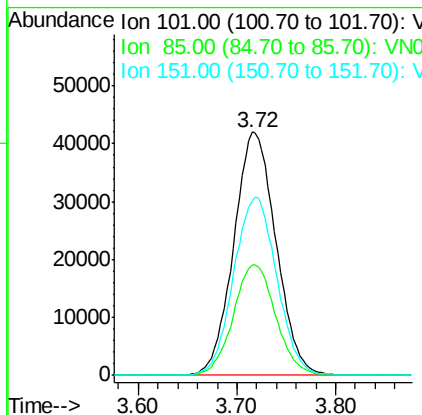
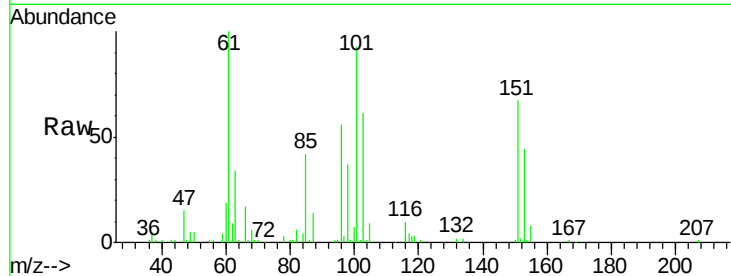
ClientSampled :

VSTDIC050

Tot Ion:	101	Resp:	124863
Ion Ratio	Lower	Upper	
101	100		
85	45.5	0.0	90.4
151	74.7	0.0	145.6

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#10

1,1-Dichloroethene

Concen: 60.550 ug/l

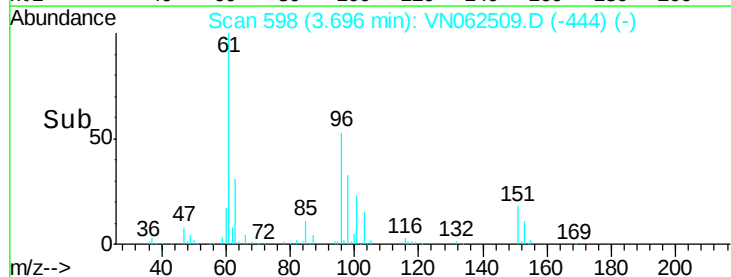
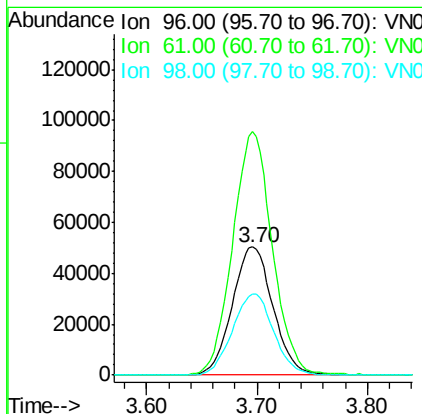
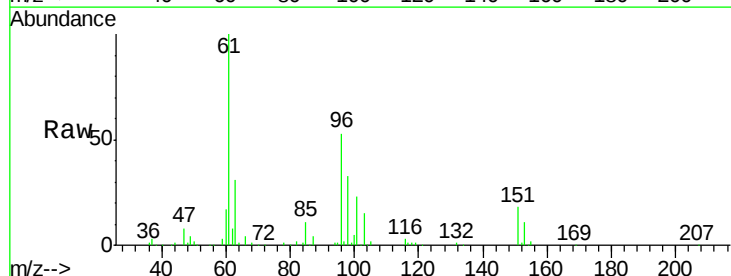
RT: 3.70 min Scan# 598

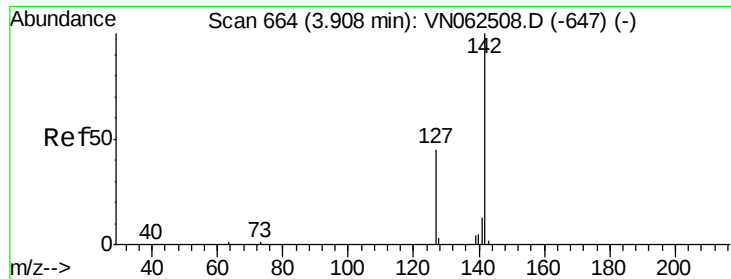
Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	96	Resp:	128434
Ion Ratio	Lower	Upper	
96	100		
61	189.6	147.8	221.8
98	63.4	47.8	71.8





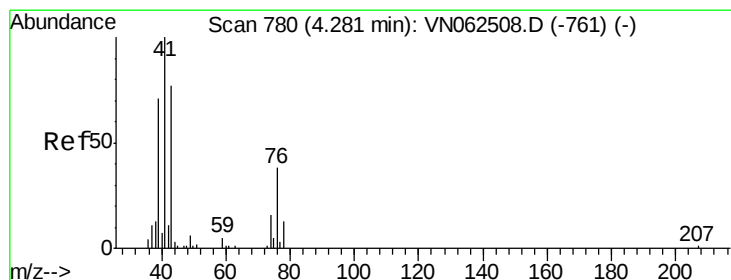
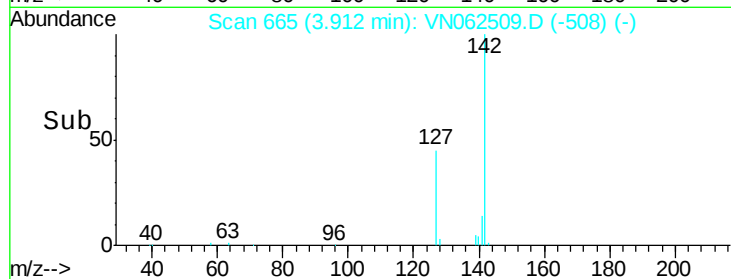
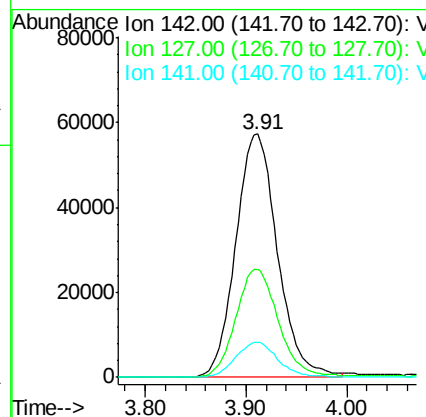
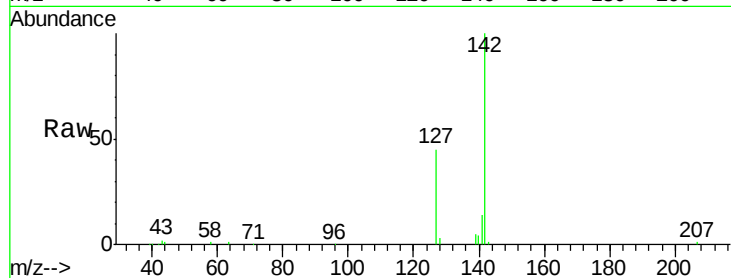
#11
Methvl Iodide
Concen: 58.743 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.5	22.1	66.5
141	14.6	6.5	19.4

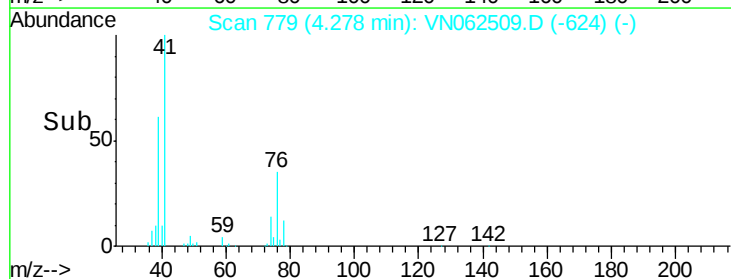
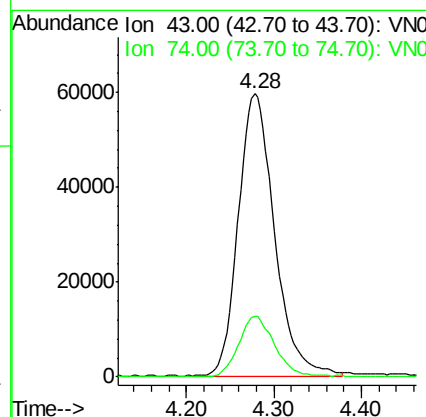
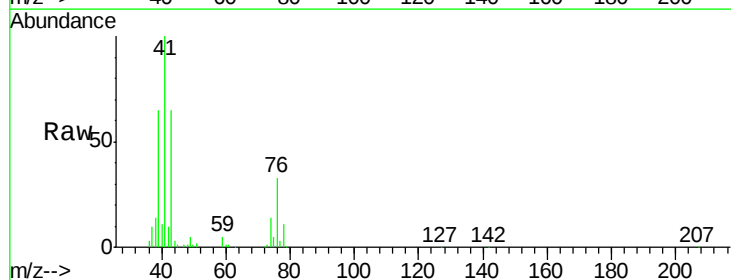
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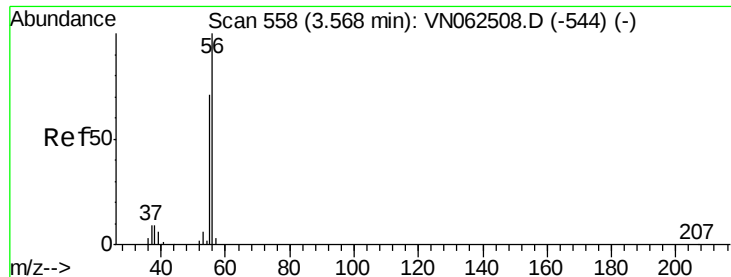
MMDadoda
7/14/2020 11:36:42 AM



#12
Methyl Acetate
Concen: 87.959 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.7	25.1





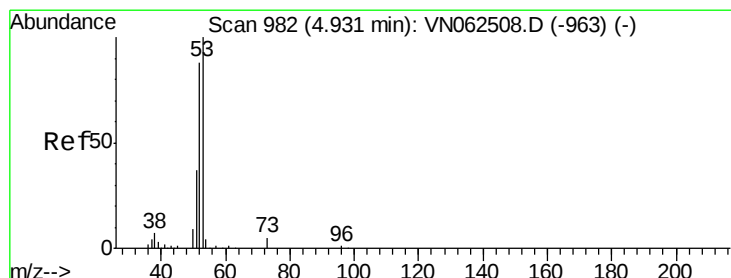
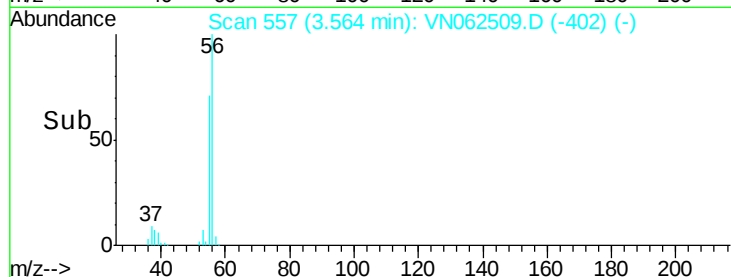
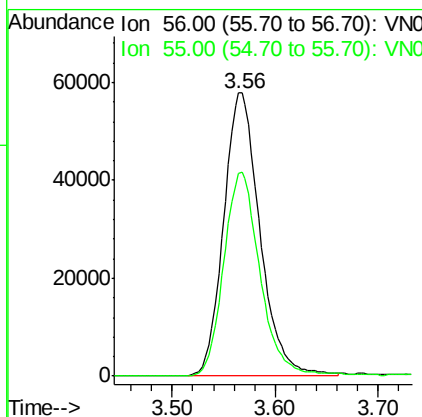
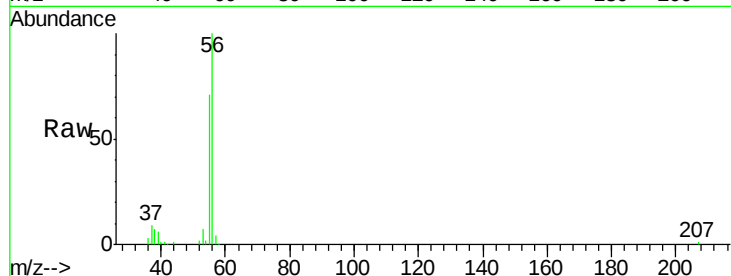
#13
Acrolein
Concen: 517.190 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.0	84.0

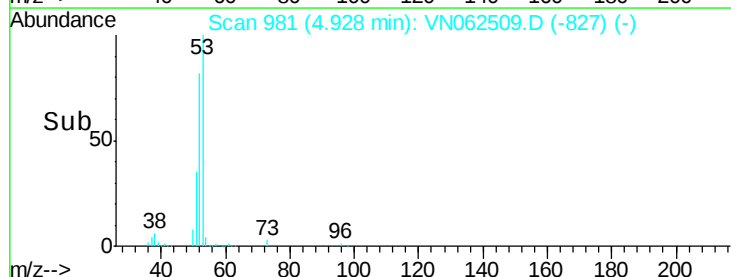
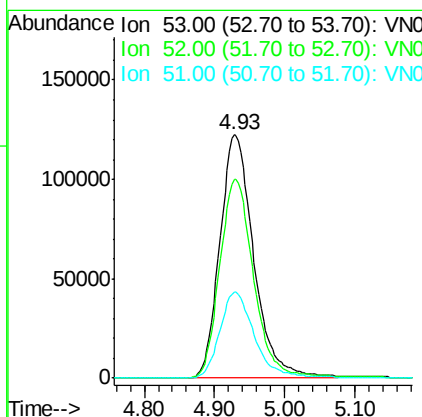
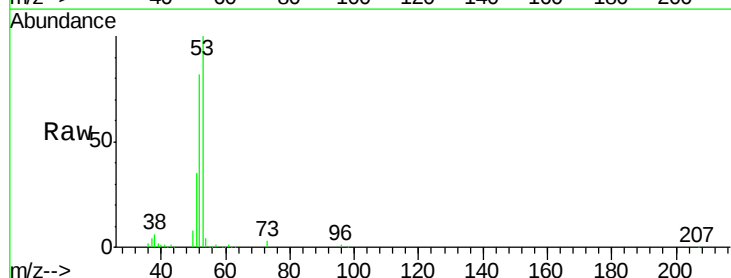
Manual Integrations
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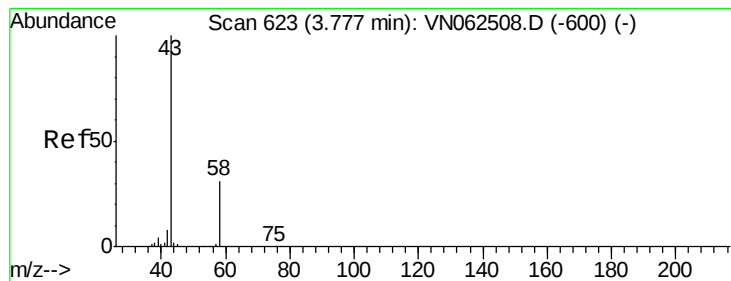
MMDadoda
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#14
Acrylonitrile
Concen: 424.062 ug/l
RT: 4.93 min Scan# 981
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.7	41.8	125.4
51	35.9	18.5	55.5





#15

Acetone

Concen: 414.547 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 127296

Ion Ratio Lower Upper

58 100

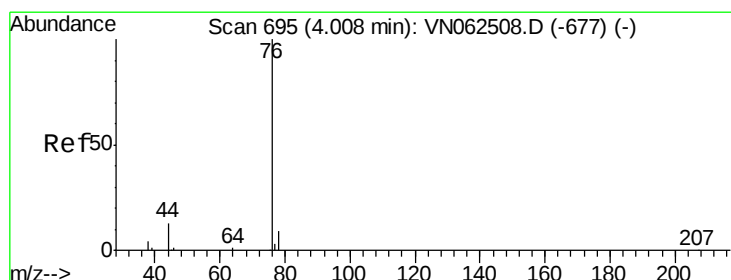
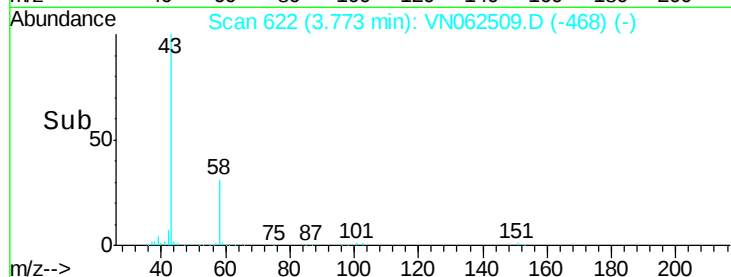
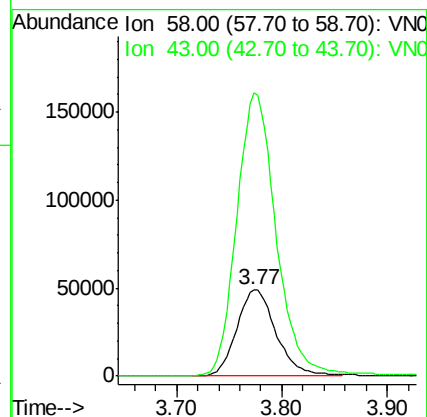
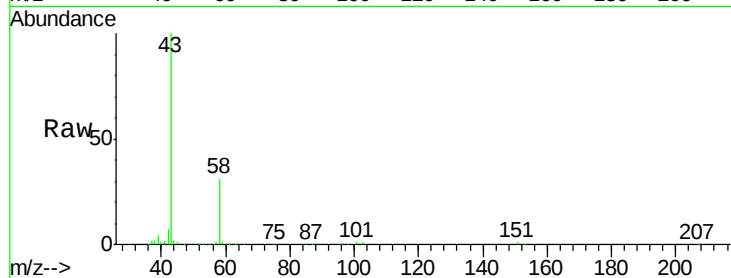
43 324.7 261.1 391.7

Manual Integrations

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#16

Carbon Disulfide

Concen: 87.798 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062509.D

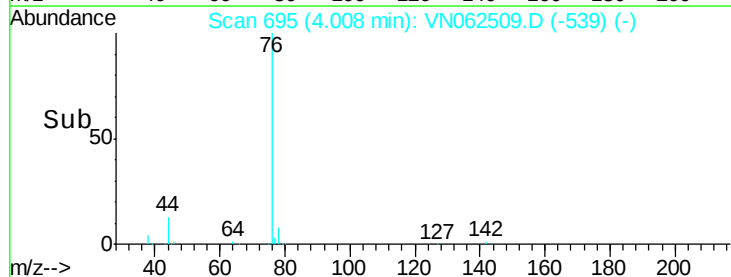
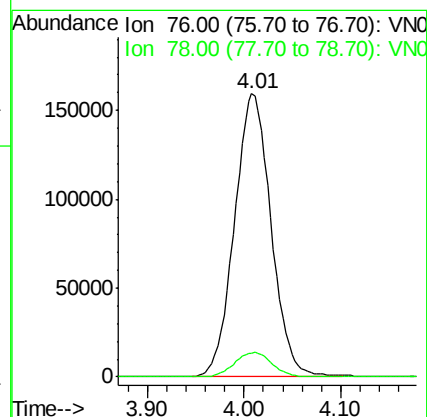
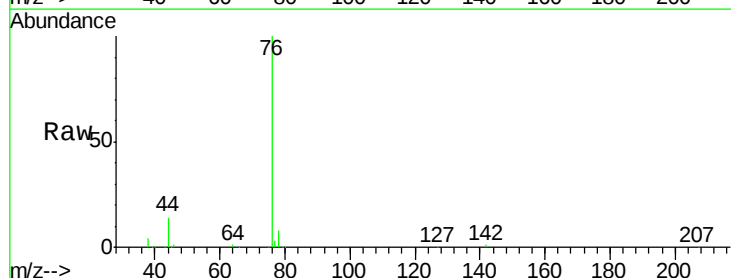
Acq: 13 Jul 2020 10:24

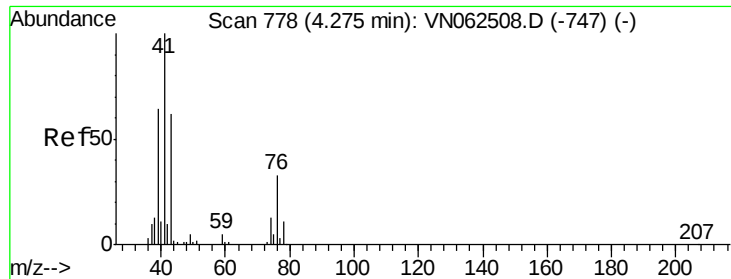
Tgt Ion: 76 Resp: 418816

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0





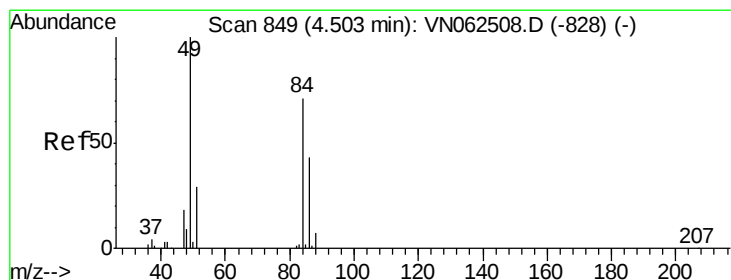
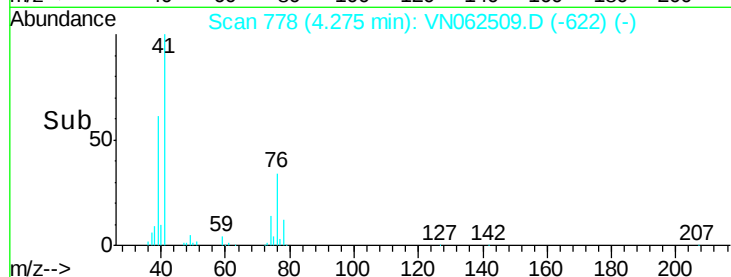
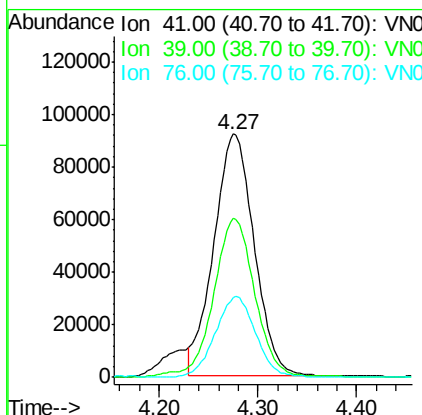
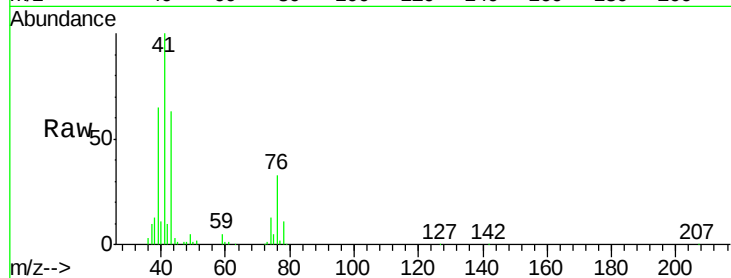
#17
Allvl chloride
Concen: 91.035 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	263611
Ion Ratio		Lower	Upper
41	100		
39	65.4	31.9	95.5
76	32.6	16.6	49.8

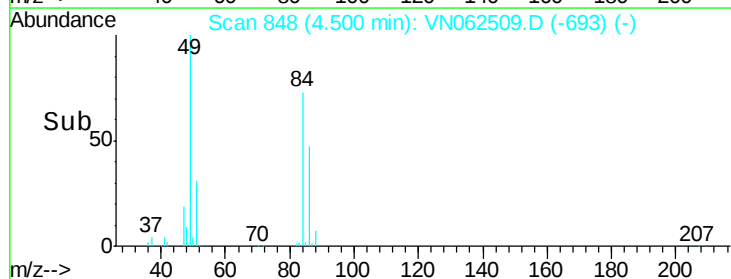
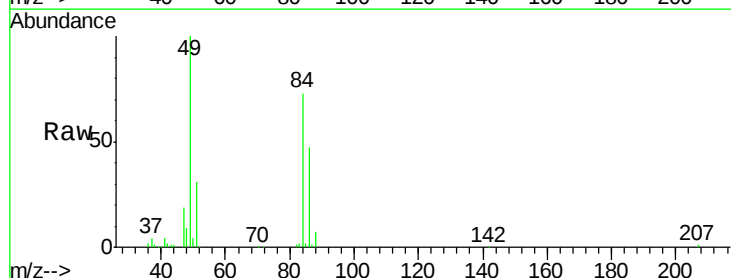
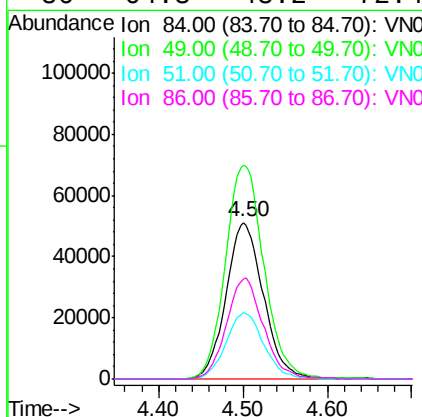
Manual Integrations
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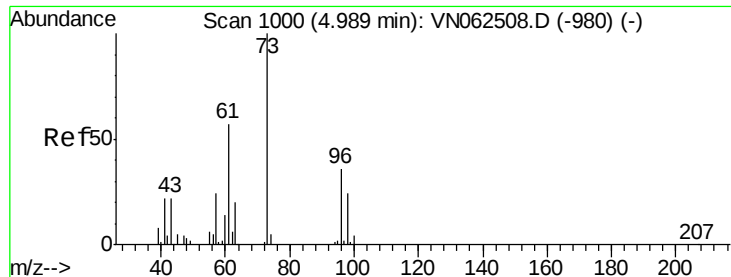
MMDadoda
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#18
Methylene Chloride
Concen: 63.373 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion:	84	Resp:	157593
Ion Ratio		Lower	Upper
84	100		
49	136.3	112.1	168.1
51	42.3	33.0	49.4
86	64.3	48.2	72.4





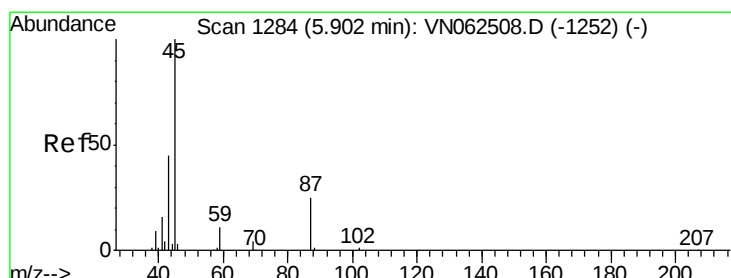
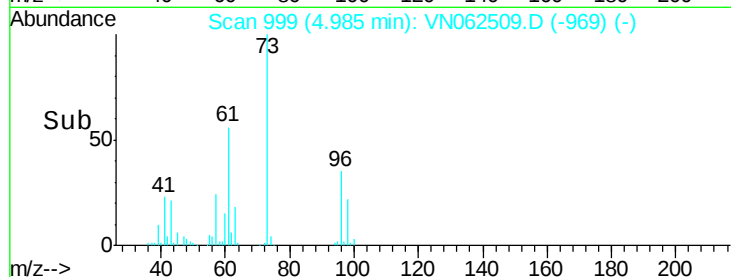
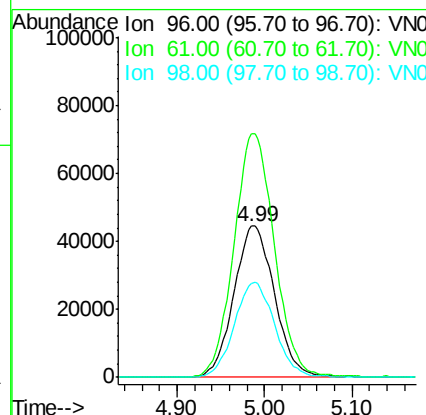
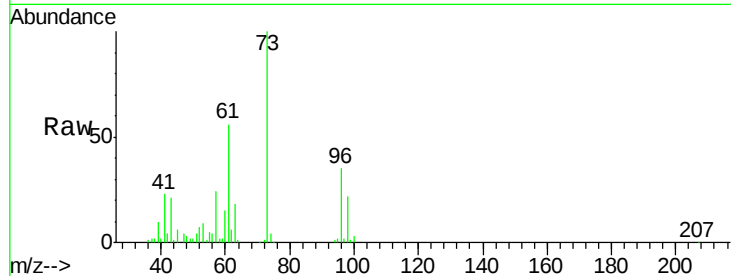
#19
trans-1,2-Dichloroethene
Concen: 60.980 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.5	125.7	188.5
98	62.1	54.1	81.1

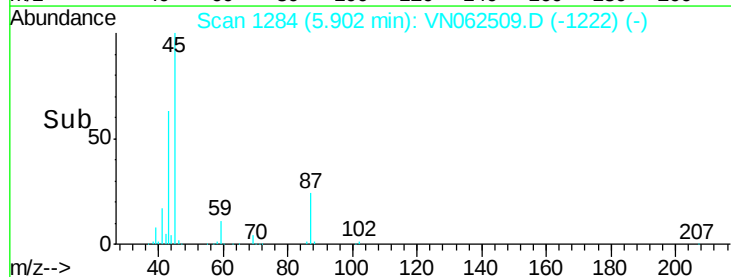
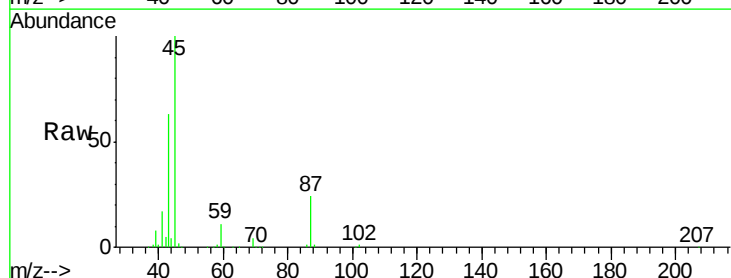
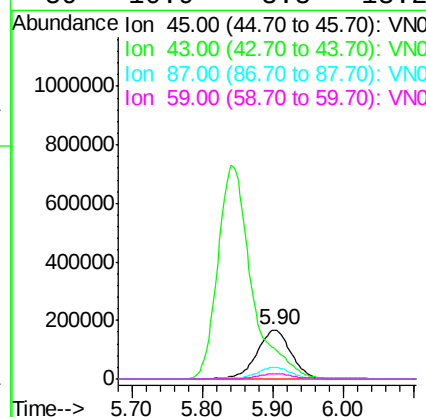
Manual Integrations
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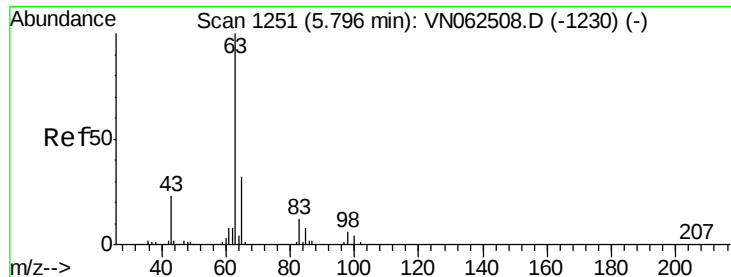
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#20
Diisopropyl ether
Concen: 86.457 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	51.3	76.9
87	24.0	19.8	29.6
59	10.9	8.8	13.2





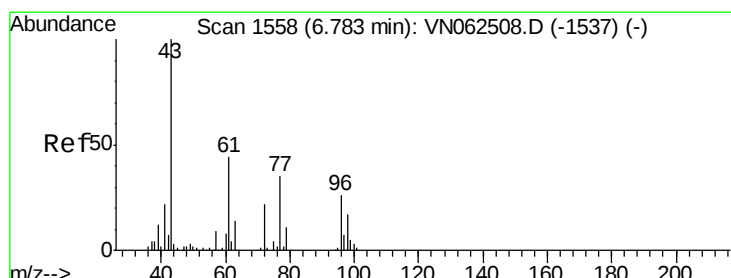
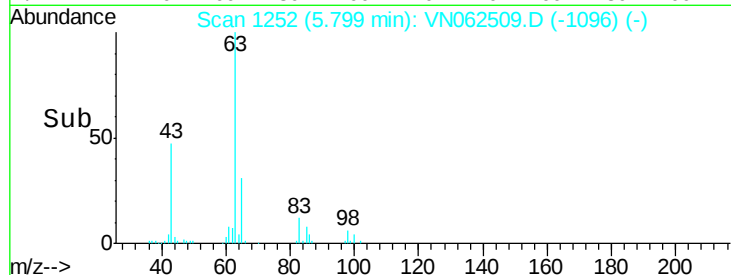
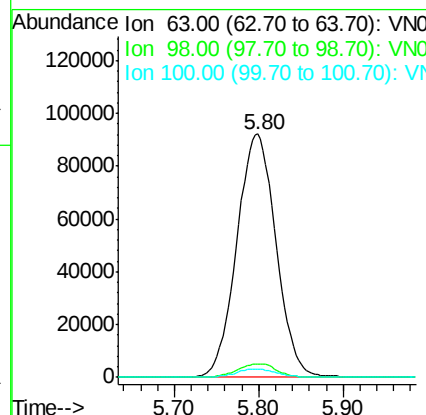
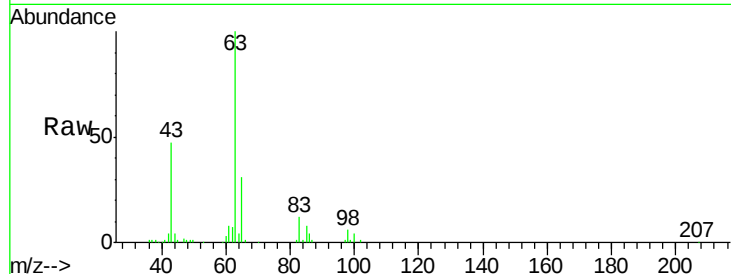
#21
 1,1-Dichloroethane
 Concen: 73.001 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.5	2.8	8.4
100	3.5	2.0	5.8

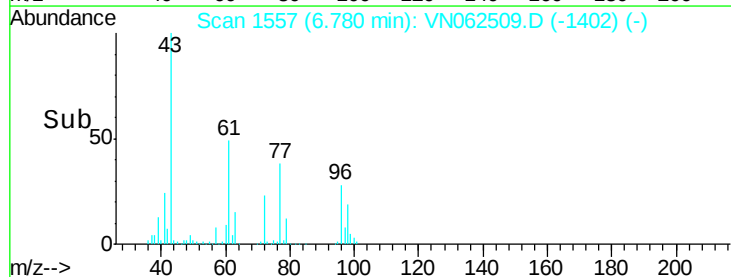
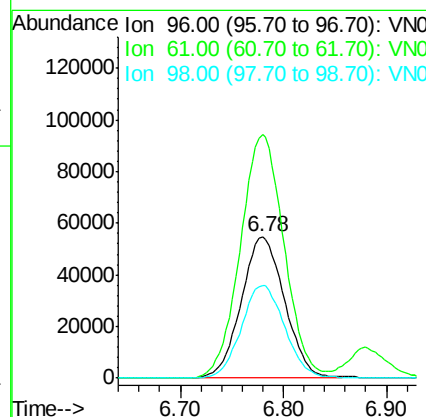
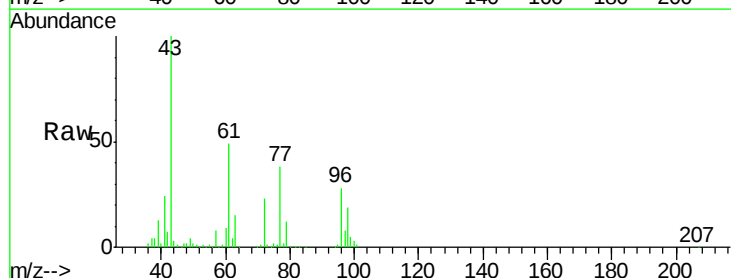
Manual Integrations
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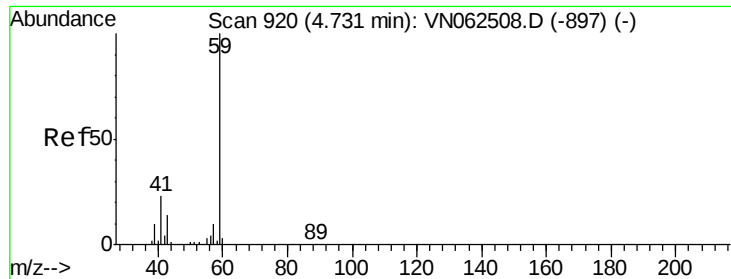
MMDadoda
 7/14/2020 11:36:42 AM



#22
 cis-1,2-Dichloroethene
 Concen: 57.926 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	173.3	134.9	202.3
98	65.8	51.5	77.3





#23

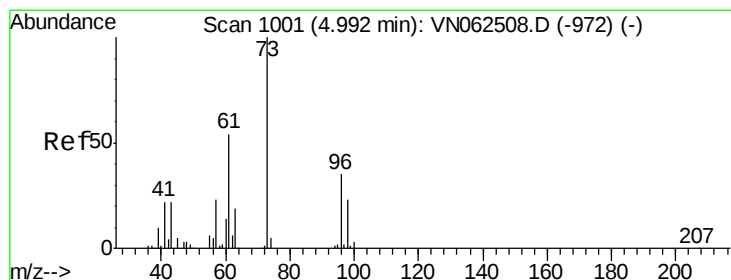
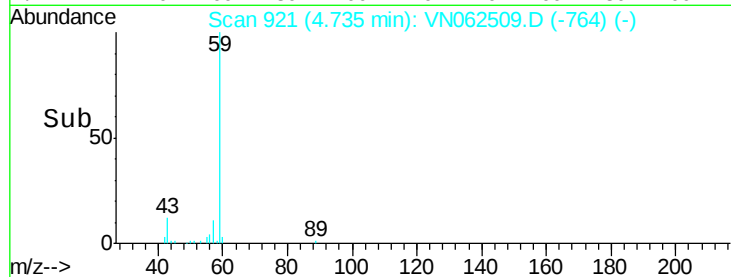
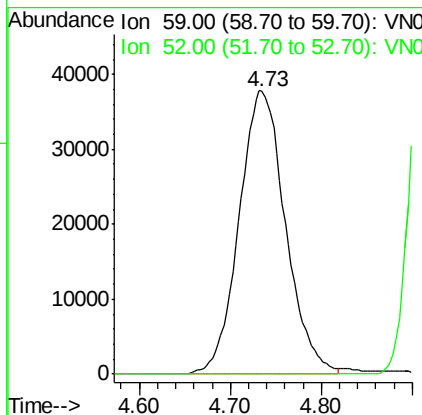
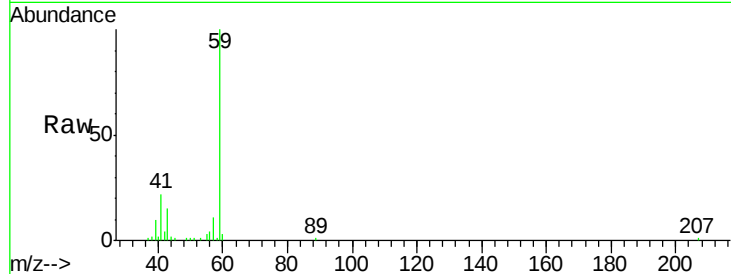
tert-Butyl Alcohol
Concen: 365.937 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		133704		
52	0.0		0.0	0.0	0.0

Manual Integrations
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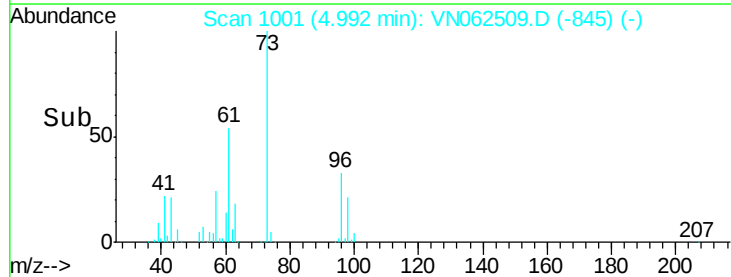
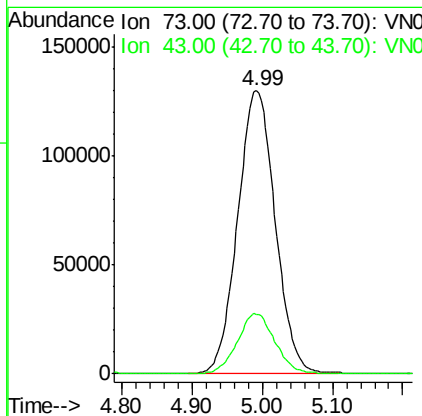
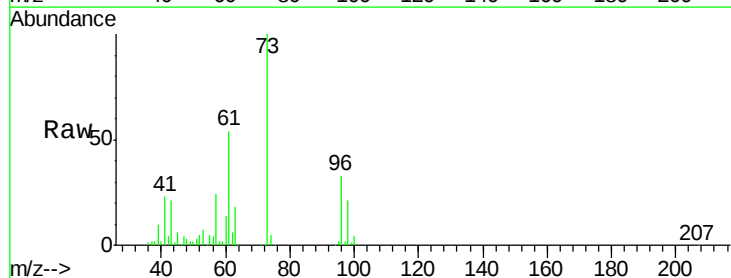
MMDadoda
7/14/2020 11:36:42 AM

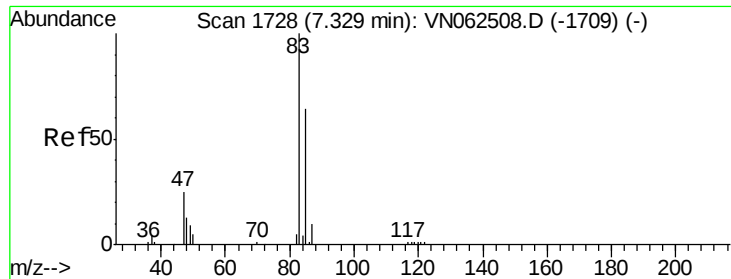


#24

Methyl tert-Butyl Ether
Concen: 68.472 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		481749		
43	21.0		16.9	25.3	





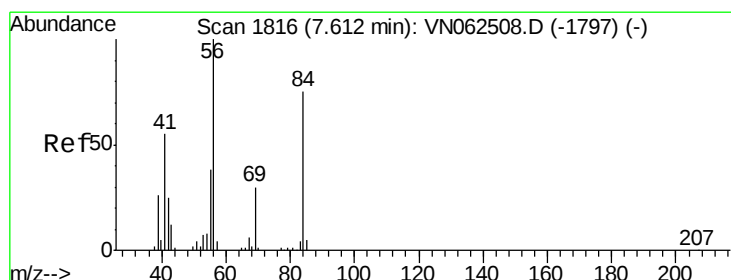
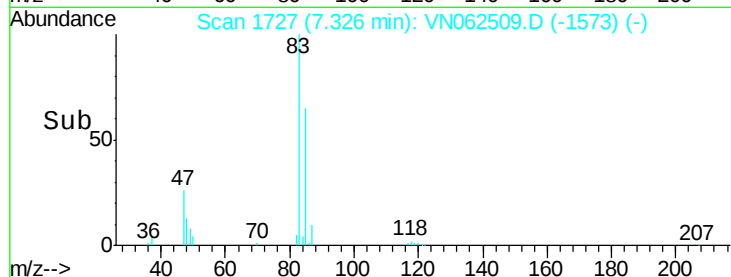
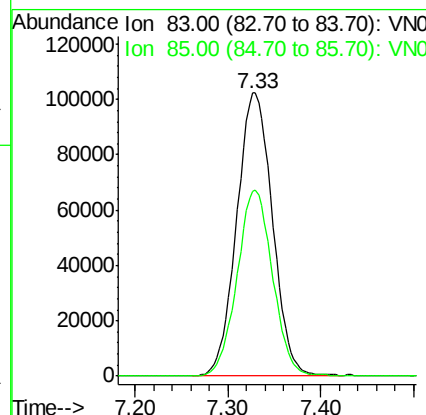
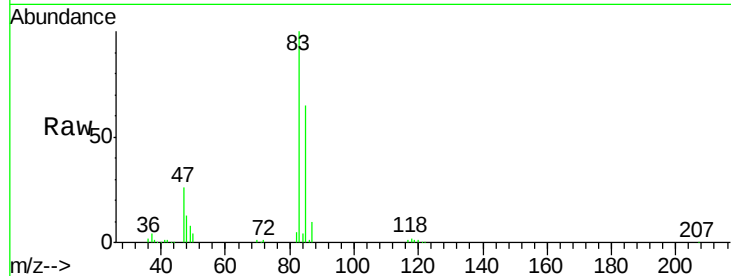
#25
Chloroform
Concen: 62.326 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	274370
Ion Ratio	100	Lower	Upper
85	65.4	51.0	76.4

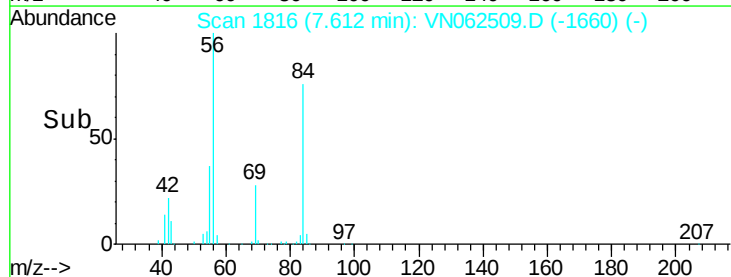
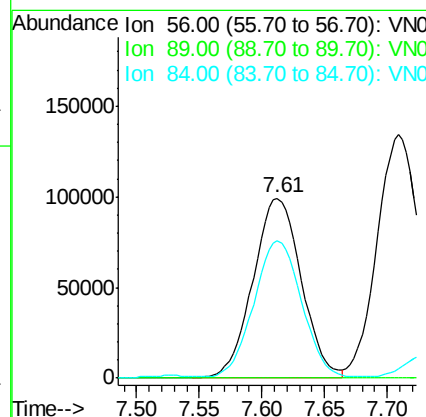
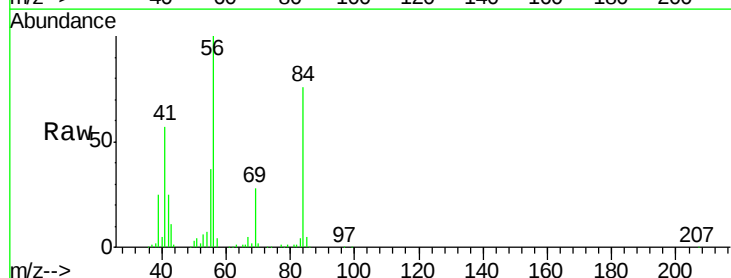
Manual Integrations
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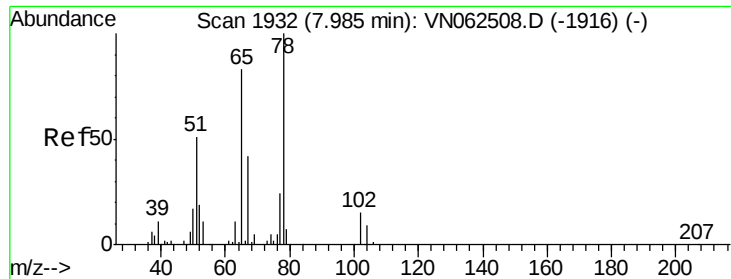
MMDadoda
7/14/2020 11:36:42 AM



#26
Cyclohexane
Concen: 82.427 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	56	Resp	265978
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	76.2	61.1	91.7





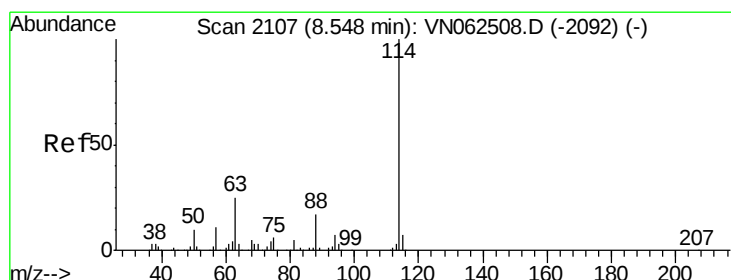
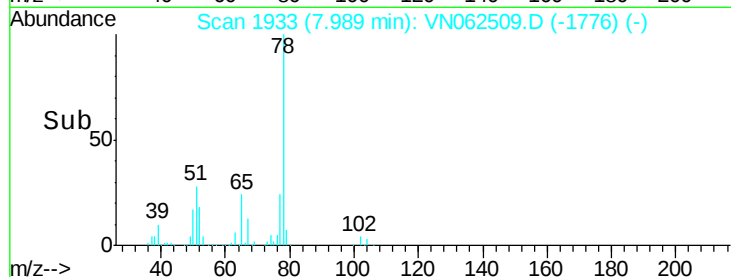
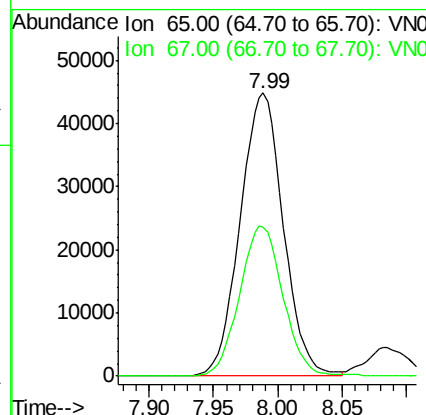
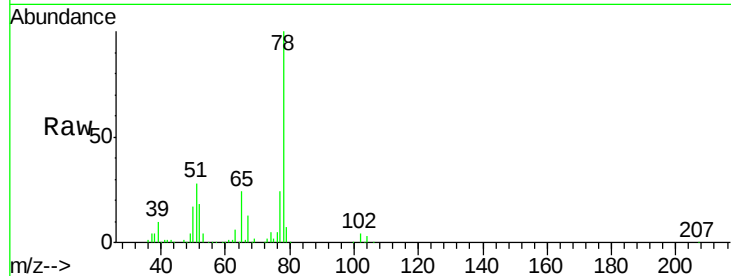
#27
 1,2-Dichloroethane-d4
 Concen: 38.399 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	41.7	62.5

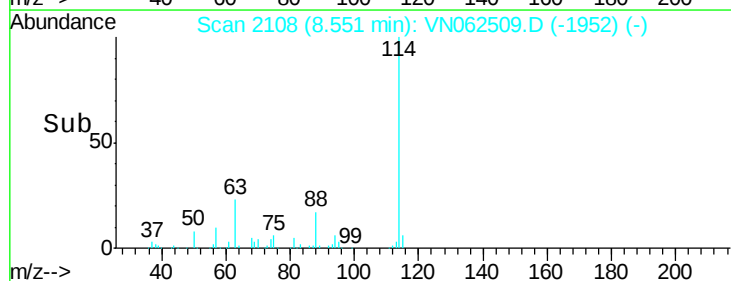
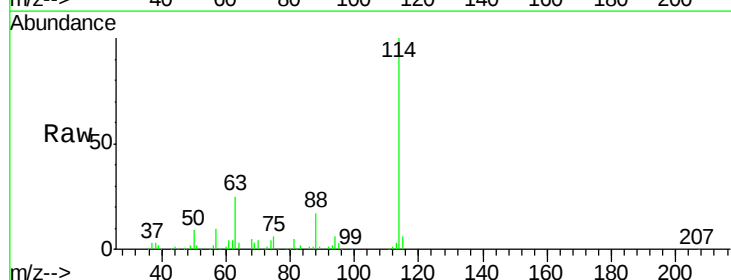
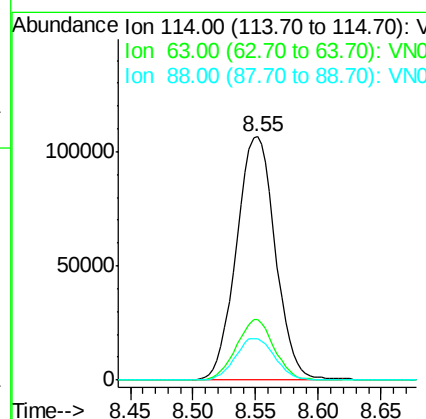
Manual Integrations
 APPROVED

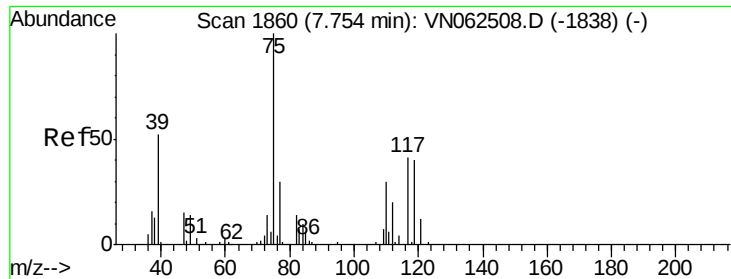
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	17.4	13.5	20.3





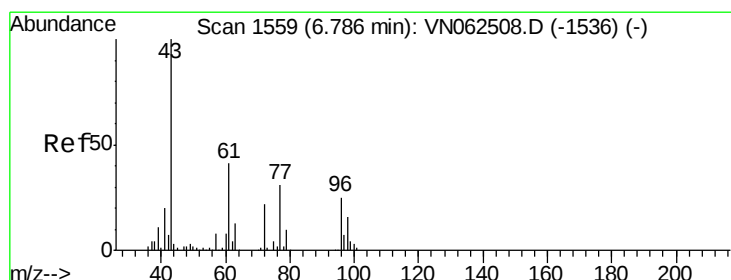
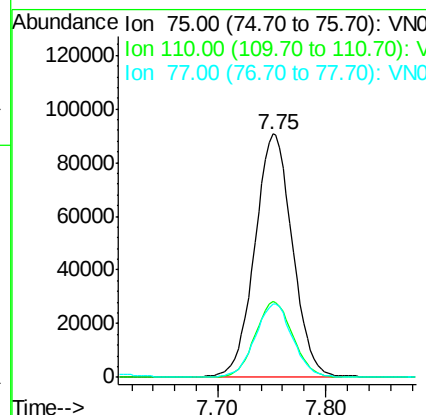
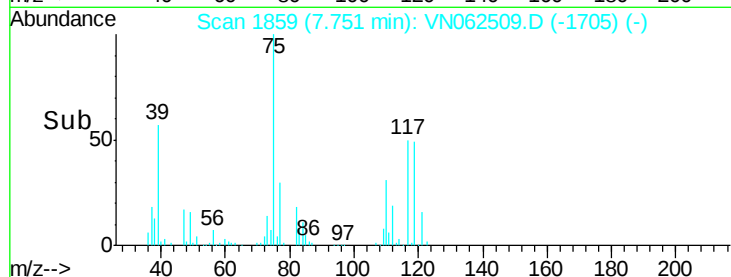
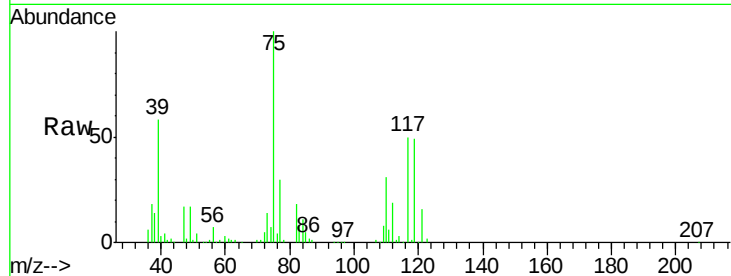
#29
 1,1-Dichloropropene
 Concen: 66.940 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	219384		
110	31.1	0.0	62.4	
77	30.3	0.0	62.8	

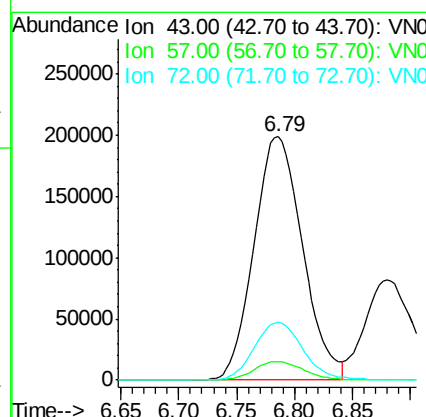
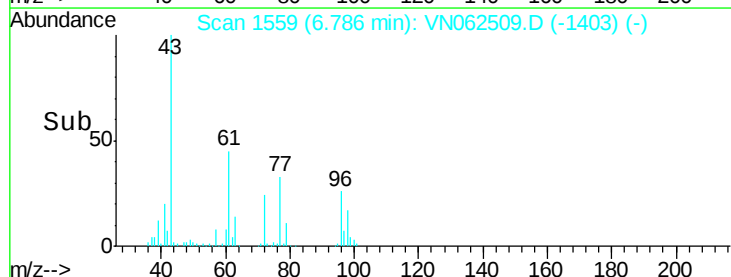
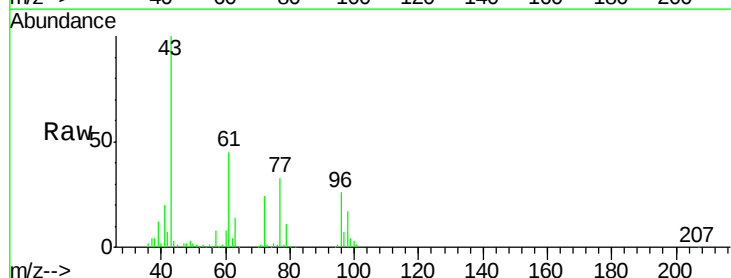
Manual Integrations
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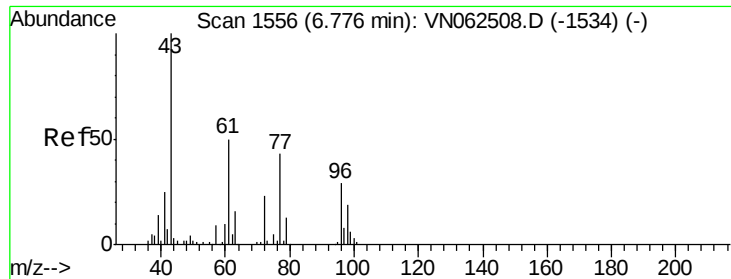
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 7/14/2020 11:36:42 AM



#30
 2-Butanone
 Concen: 440.894 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	578658		
57	7.8	6.6	9.8	
72	24.0	18.5	27.7	





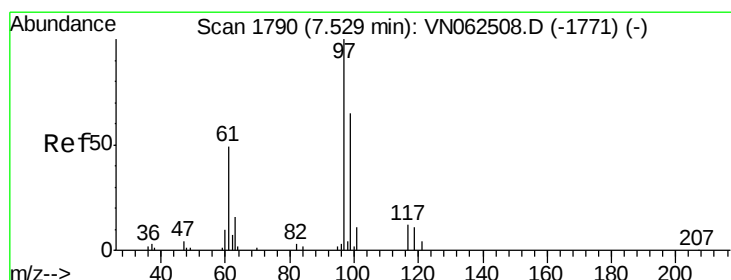
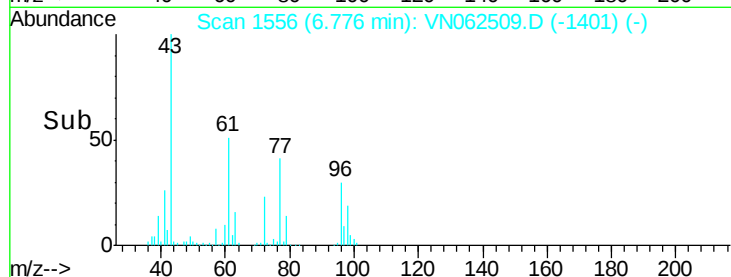
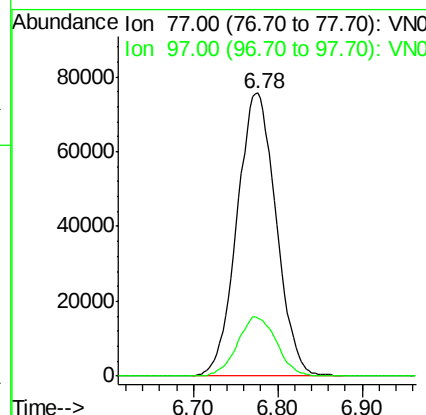
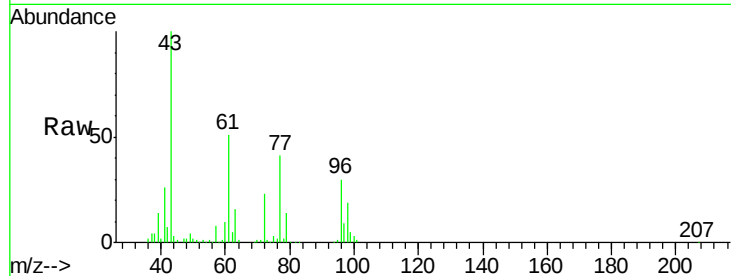
#31
 2,2-Dichloropropane
 Concen: 63.649 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 77 Resp: 244002
 Ion Ratio Lower Upper
 77 100
 97 21.0 8.6 12.8#

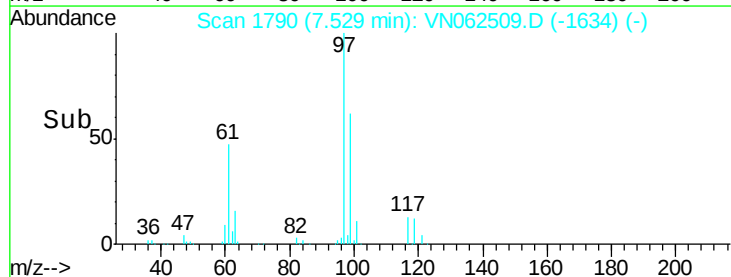
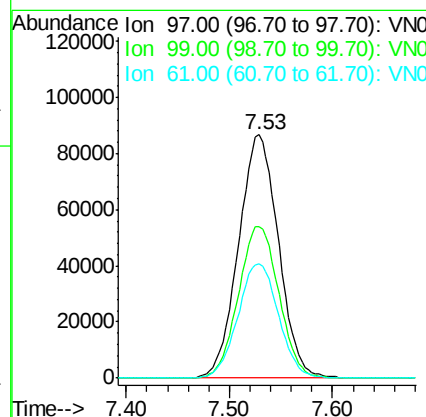
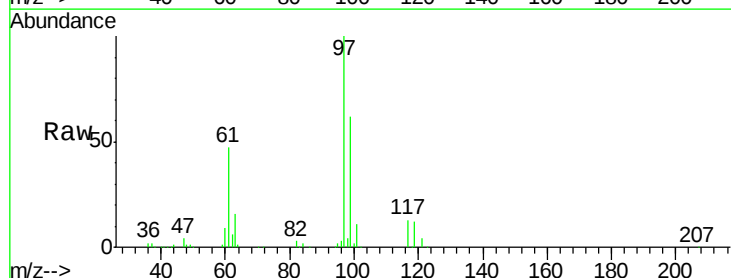
Manual Integrations
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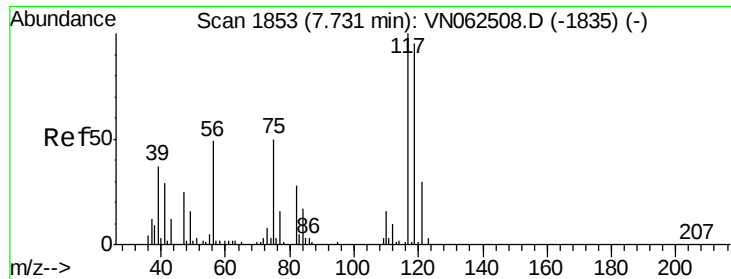
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#32
 1,1,1-Trichloroethane
 Concen: 57.610 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 97 Resp: 233452
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.8 77.8
 61 47.8 39.4 59.0





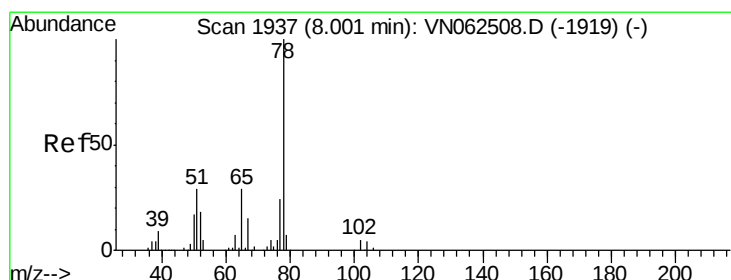
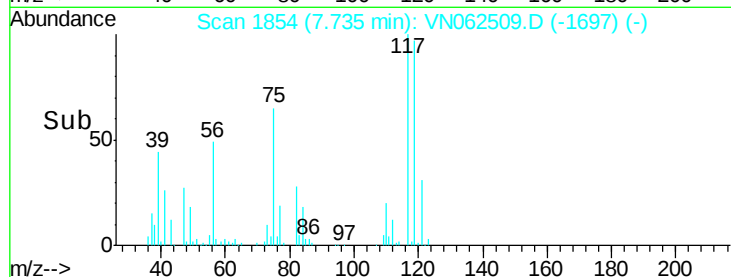
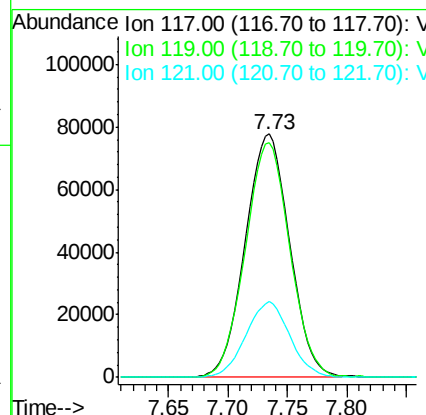
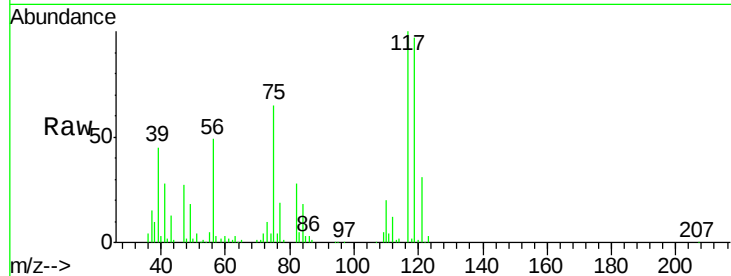
#33
Carbon Tetrachloride
Concen: 59.940 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.2	114.4
121	31.0	23.8	35.6

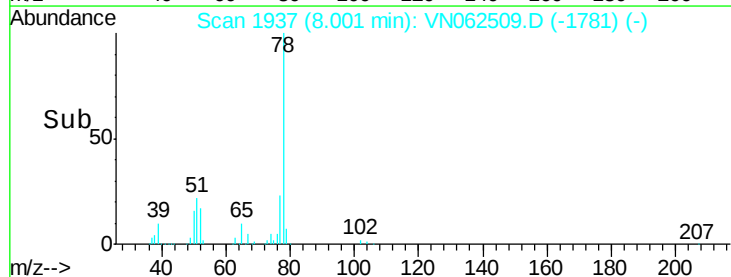
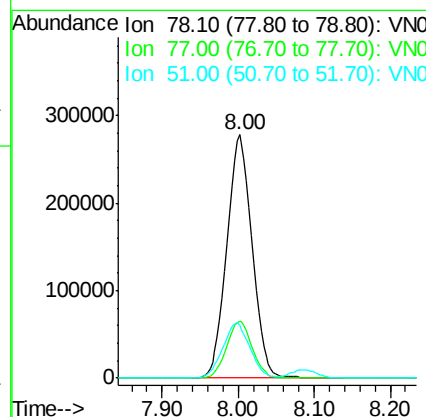
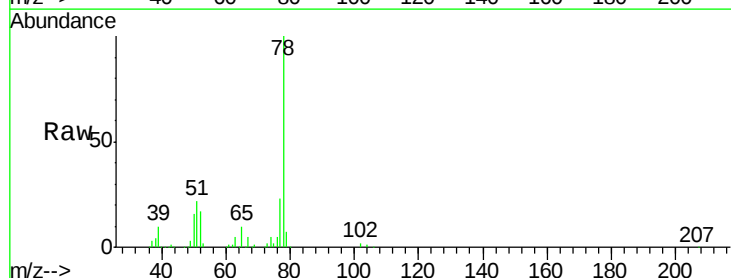
Manual Integrations
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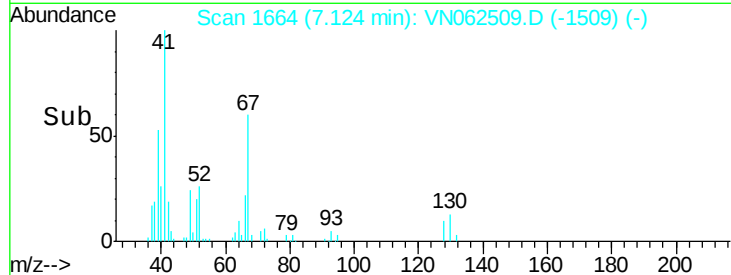
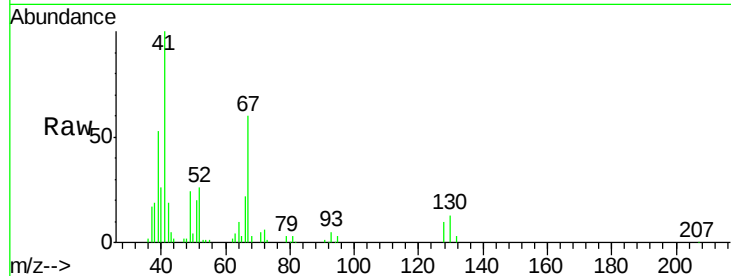
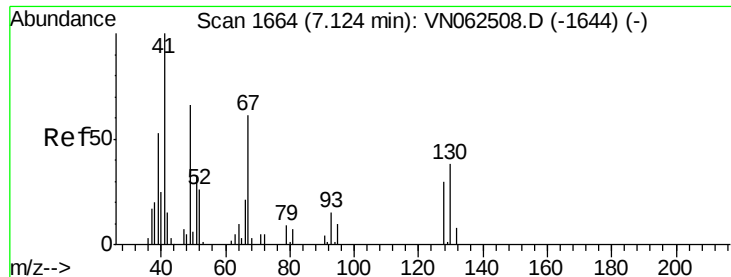
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#34
Benzene
Concen: 63.593 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3
51	21.7	23.1	34.7#





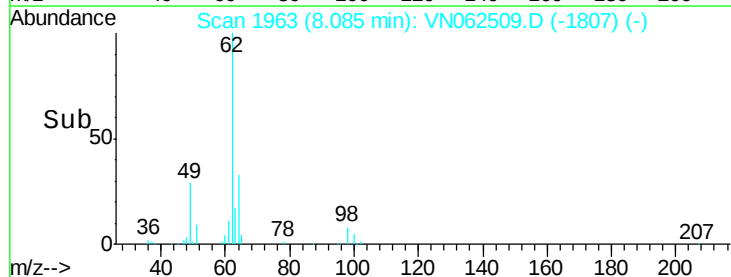
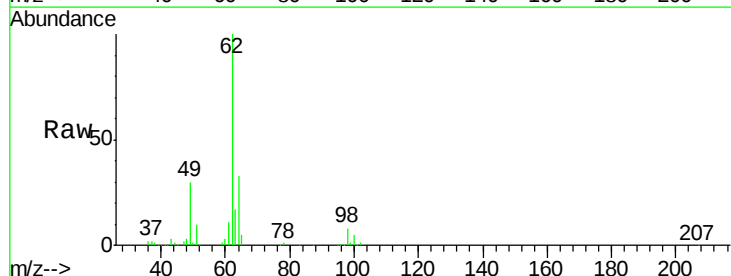
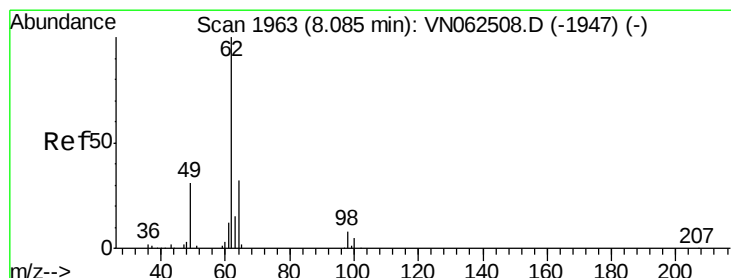
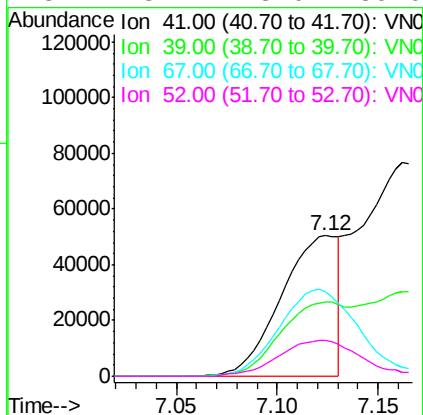
#35
Methacrylonitrile
Concen: 84.943 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tot Ion:	41	Resp:	98542
Ion Ratio	Lower	Upper	
41	100		
39	52.7	26.5	79.5
67	59.9	30.7	92.1
52	25.4	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

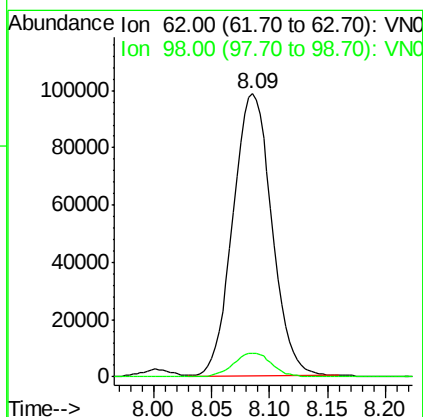
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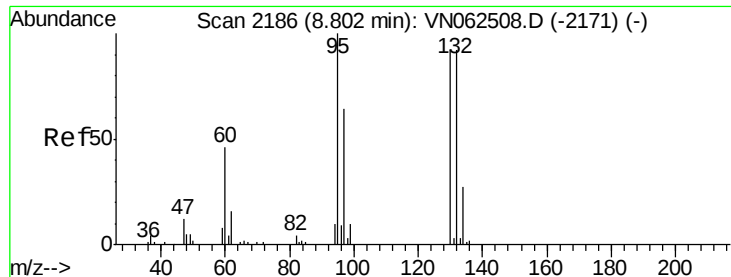
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#36
1,2-Dichloroethane
Concen: 68.345 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion:	62	Resp:	230436
Ion Ratio	Lower	Upper	
62	100		
98	8.2	6.6	9.8





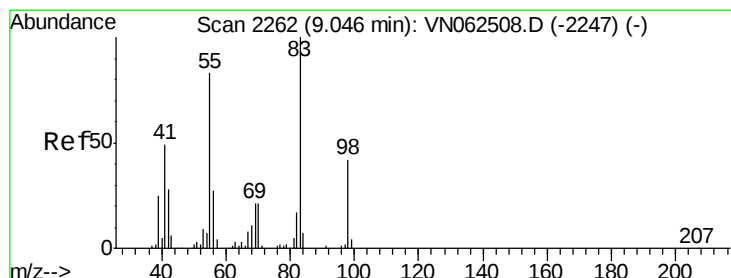
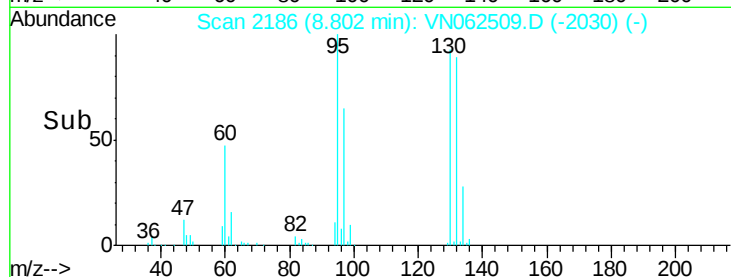
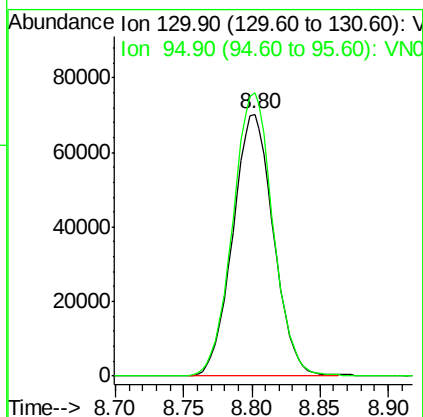
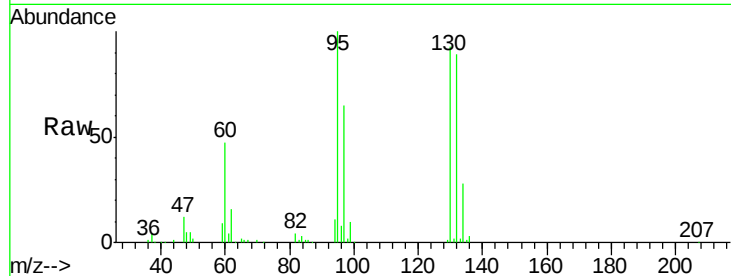
#37
 Trichloroethene
 Concen: 48.924 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 145174
 Ion Ratio Lower Upper
 130 100
 95 107.6 86.5 129.7

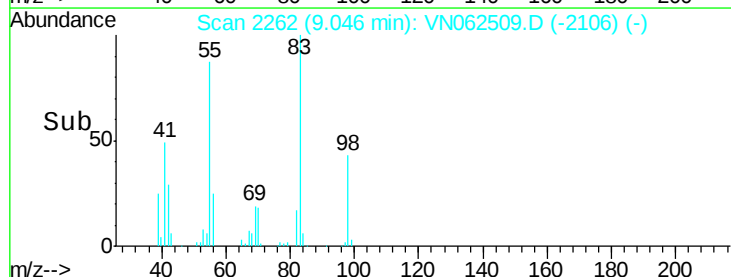
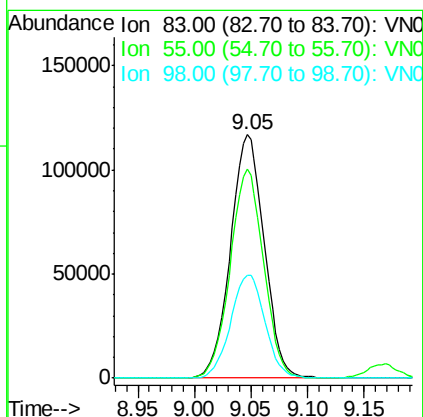
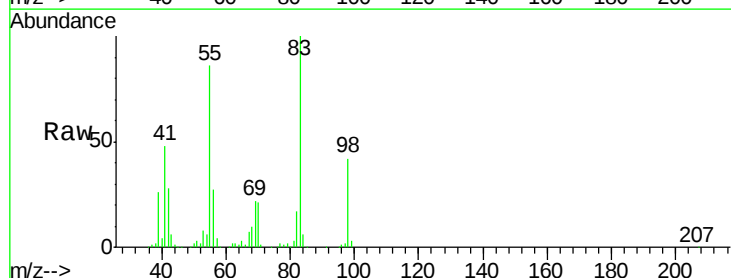
Manual Integrations
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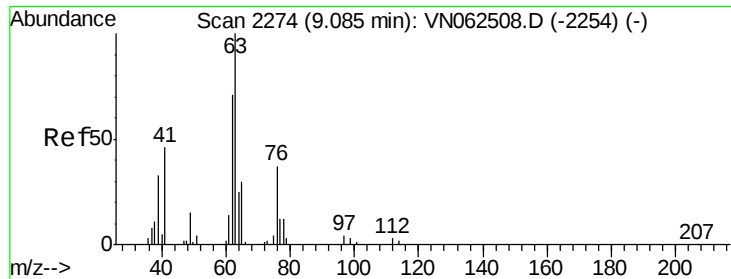
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#38
 Methylcyclohexane
 Concen: 66.171 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 83 Resp: 241986
 Ion Ratio Lower Upper
 83 100
 55 85.3 42.8 128.3
 98 43.3 21.9 65.7





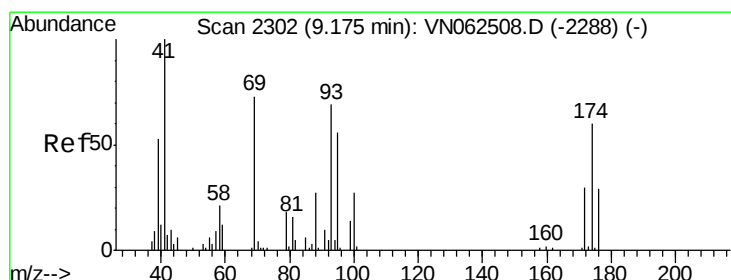
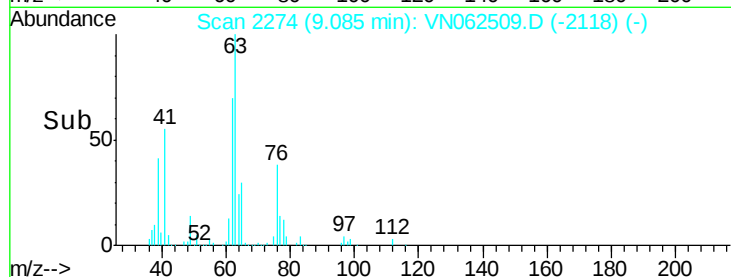
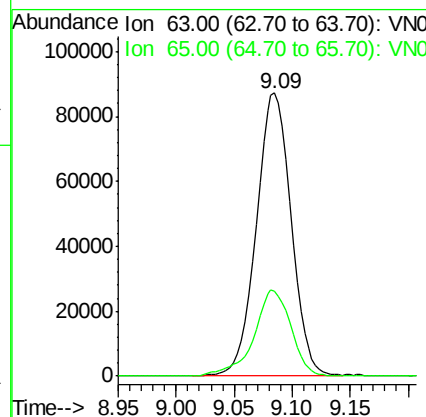
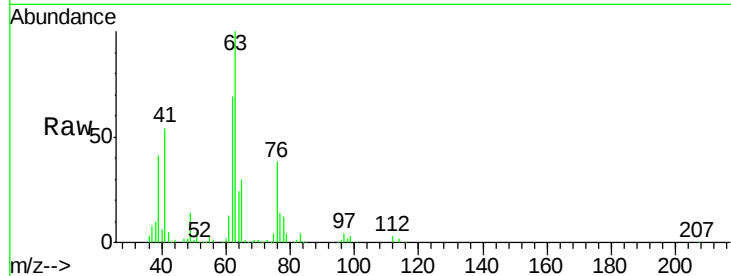
#39
 1,2-Dichloropropane
 Concen: 71.904 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.2	36.4

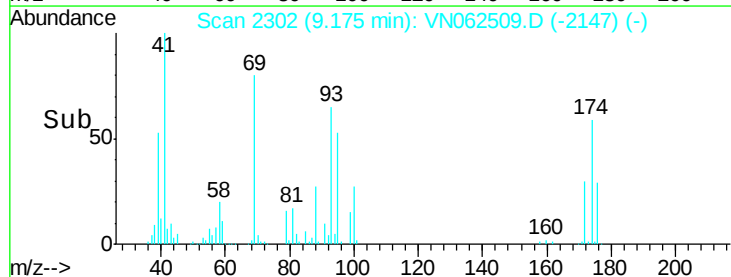
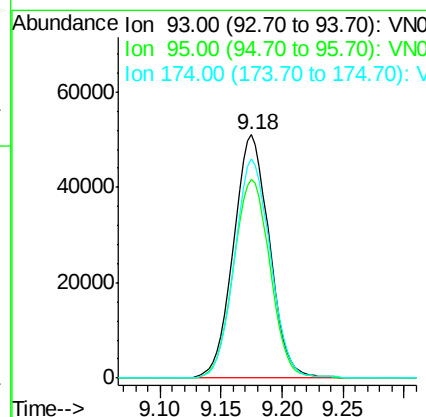
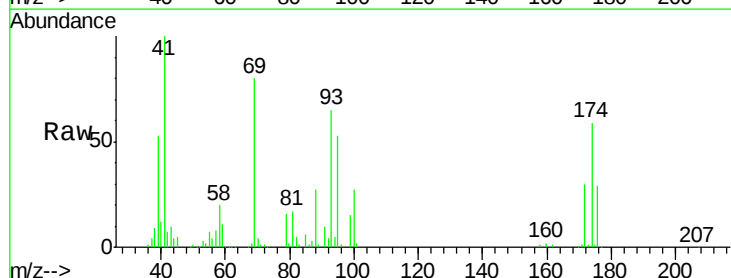
Manual Integrations
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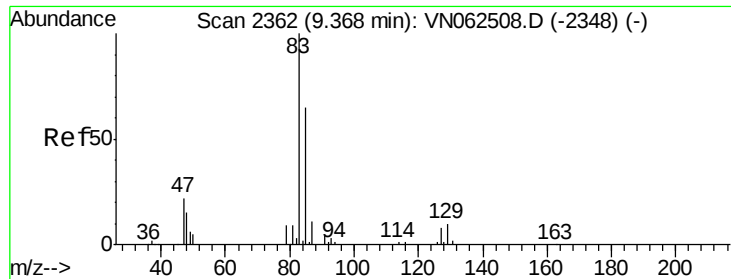
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#40
 Dibromomethane
 Concen: 58.365 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	161.2
174	89.9	0.0	178.0





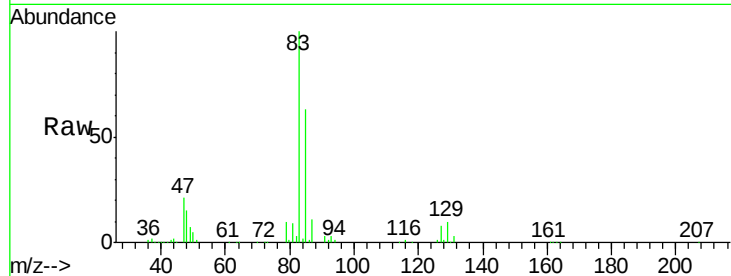
#41
Bromodichloromethane
Concen: 60.936 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

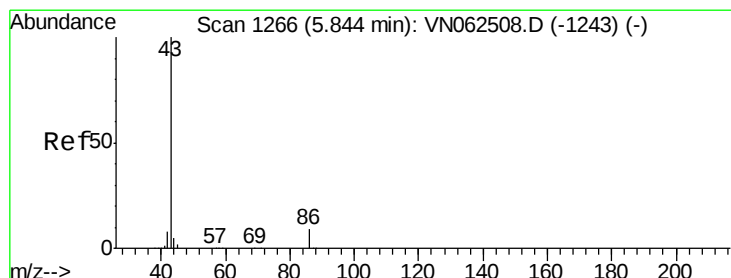
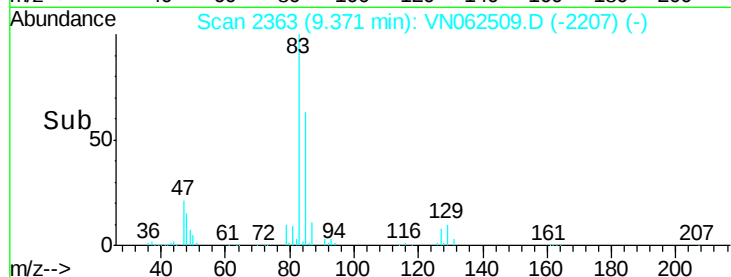
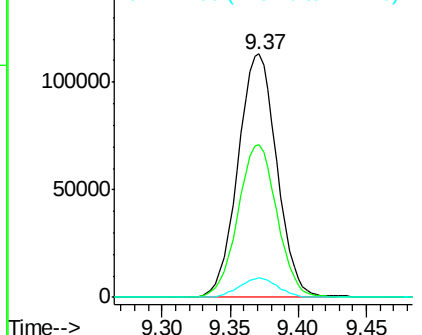
Tot Ion	83	Resp	223808
Ion Ratio	100	Lower	Upper
83	100		
85	62.6	51.6	77.4
127	7.9	6.3	9.5

Manual Integrations
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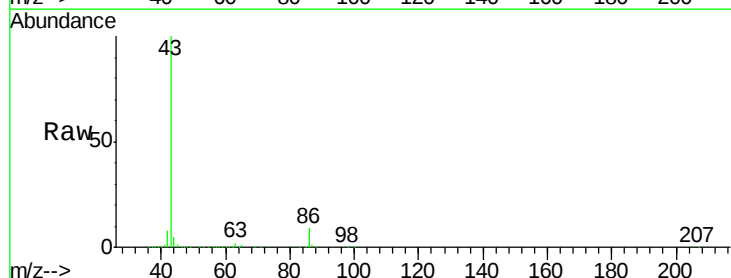


Abundance Ion 83.00 (82.70 to 83.70): VN062509.D (-2207) (-)
Ion 85.00 (84.70 to 85.70): VN062509.D (-2207) (-)
Ion 127.00 (126.70 to 127.70): VN062509.D (-2207) (-)

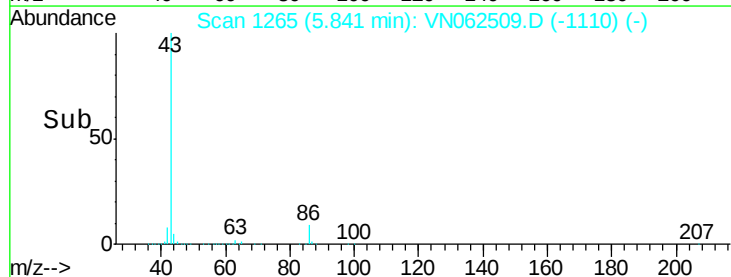
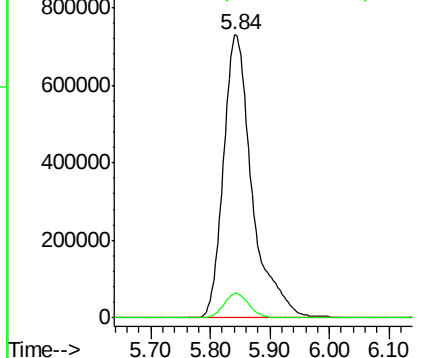


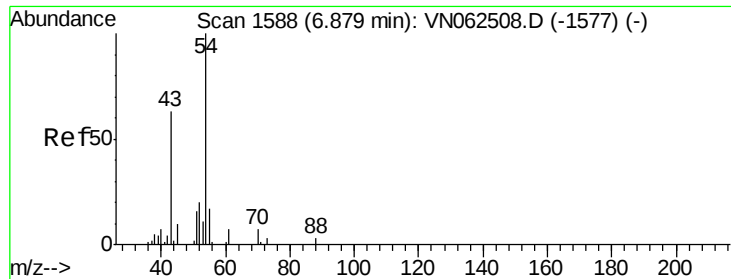
#42
Vinyl Acetate
Concen: 458.635 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	43	Resp	2447037
Ion Ratio	100	Lower	Upper
43	100		
86	7.5	6.1	9.1



Abundance Ion 43.00 (42.70 to 43.70): VN062509.D (-1110) (-)
Ion 86.00 (85.70 to 86.70): VN062509.D (-1110) (-)





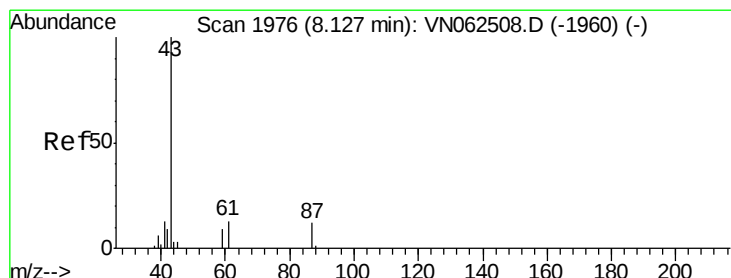
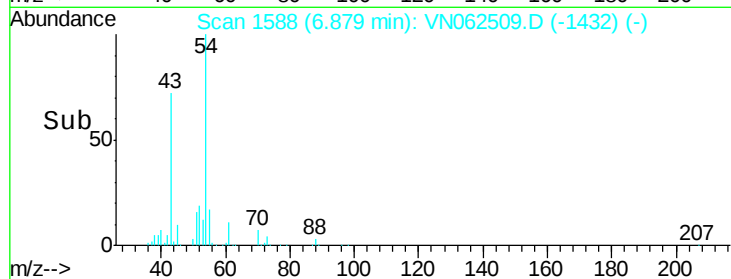
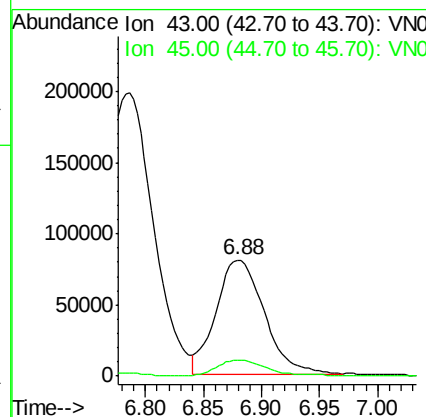
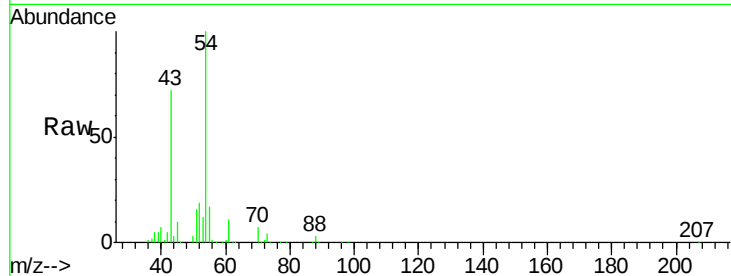
#43
Ethyl Acetate
Concen: 87.662 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 231725
Ion Ratio Lower Upper
43 100
45 13.5 10.2 15.4

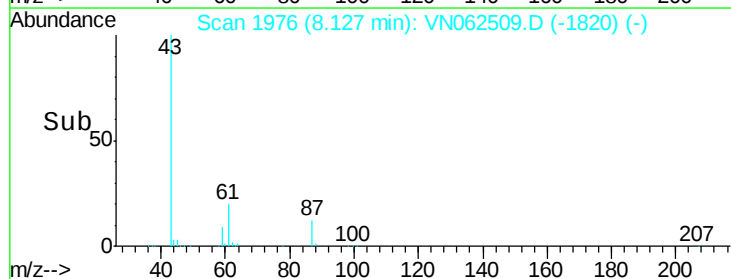
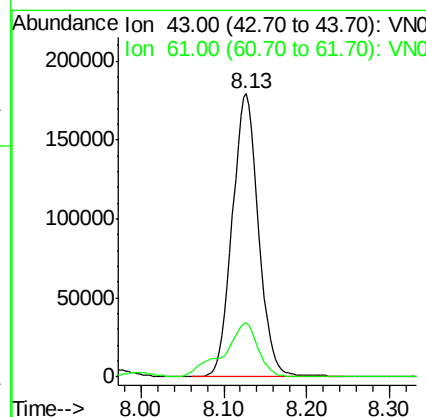
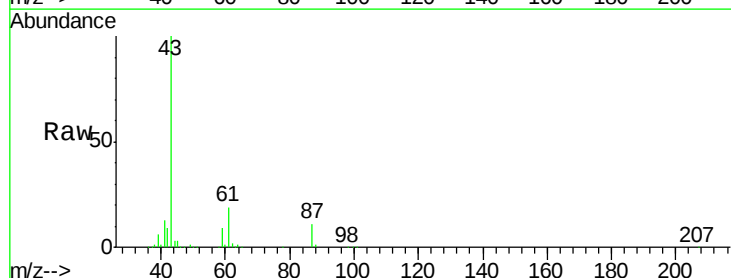
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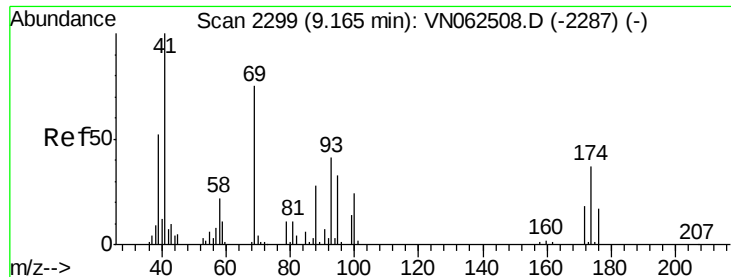
MMDadoda
7/14/2020 11:36:42 AM



#44
Isopropyl Acetate
Concen: 85.582 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion: 43 Resp: 393516
Ion Ratio Lower Upper
43 100
61 19.1 14.7 22.1





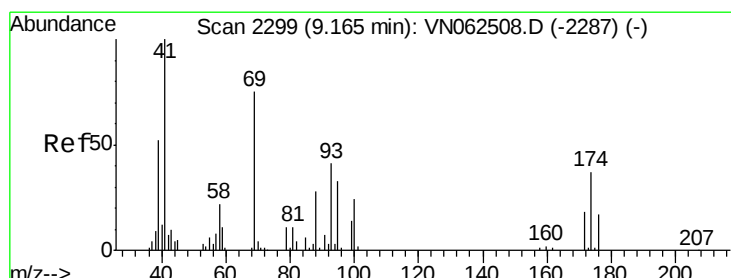
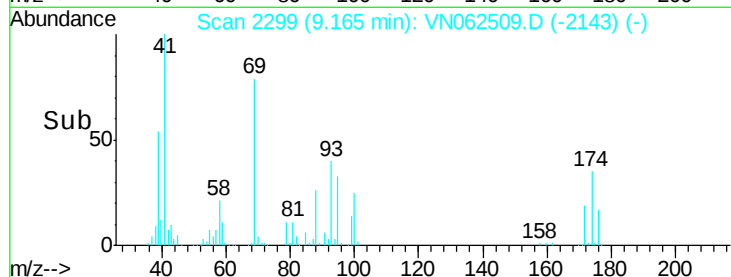
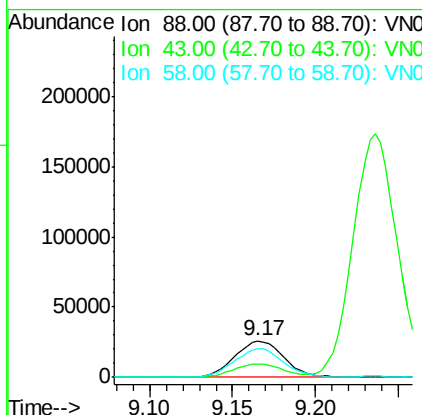
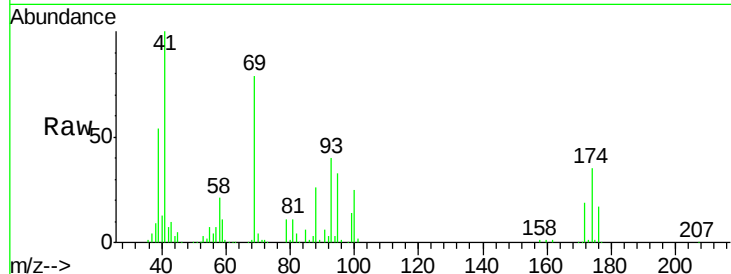
#45
1,4-Dioxane
Concen: 1242.641 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	29.2	43.8
58	78.9	62.2	93.4

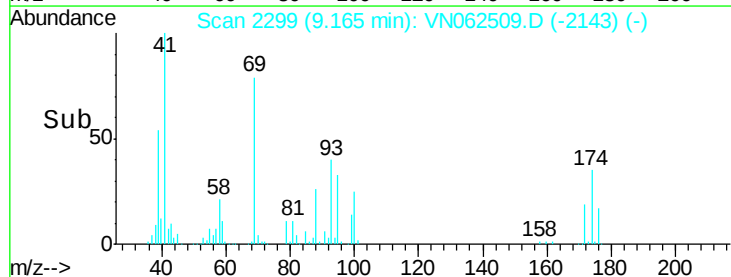
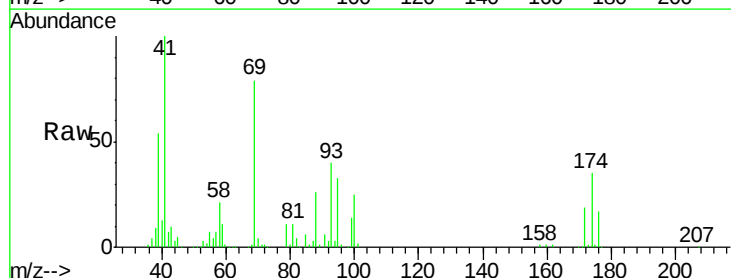
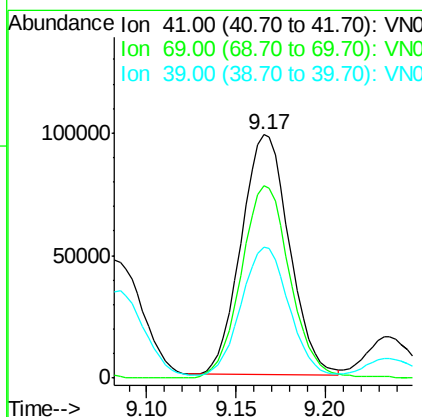
Manual Integrations
APPROVED

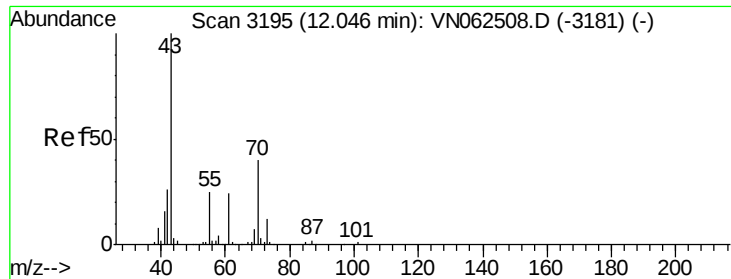
MMDadoda
7/14/2020 11:36:42 AM



#46
Methyl methacrylate
Concen: 89.252 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.8	37.4	112.2
39	53.6	25.9	77.6





#47

n-amvl Acetate

Concen: 87.773 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 342895

Ion Ratio Lower Upper

43 100

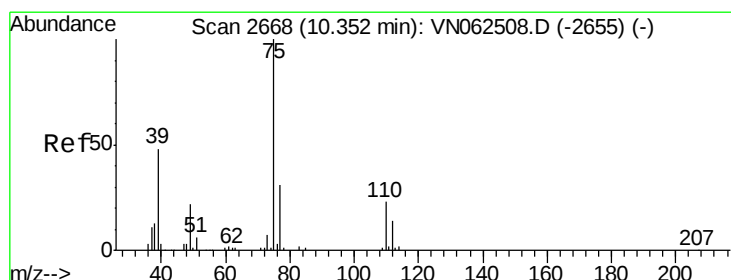
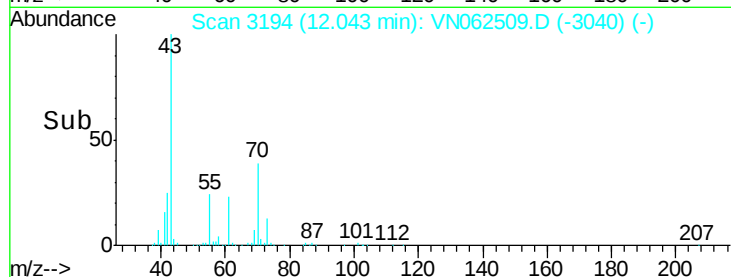
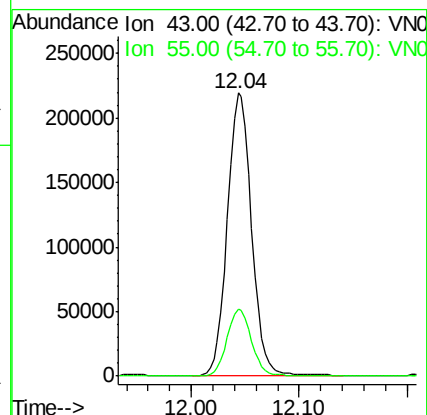
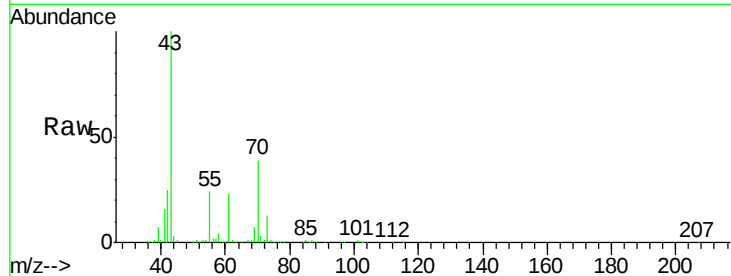
55 23.9 20.4 30.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 67.775 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062509.D

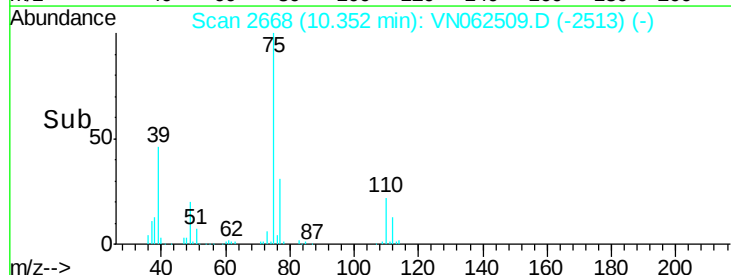
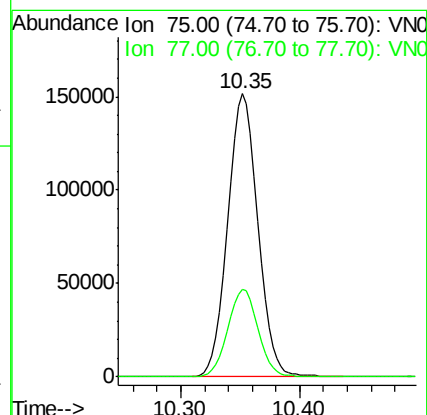
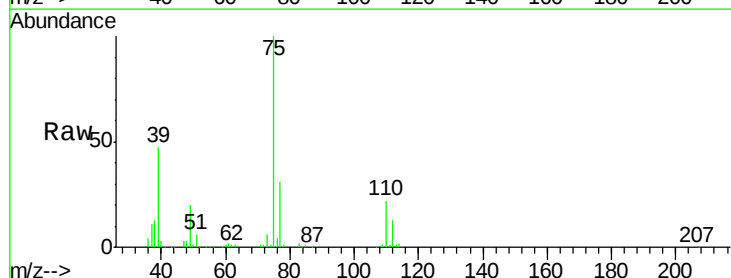
Acq: 13 Jul 2020 10:24

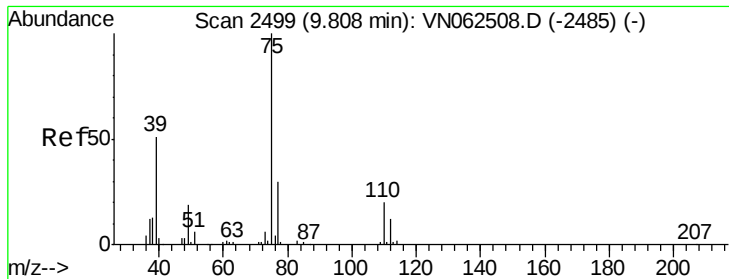
Tgt Ion: 75 Resp: 266565

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 66.354 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

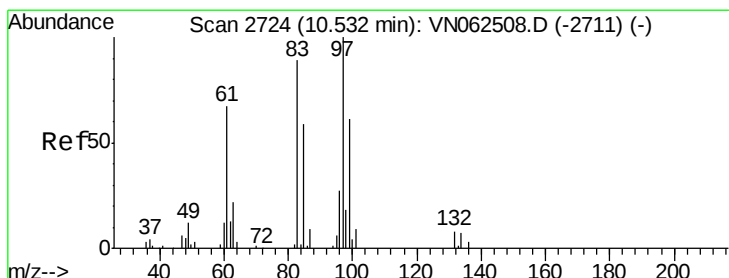
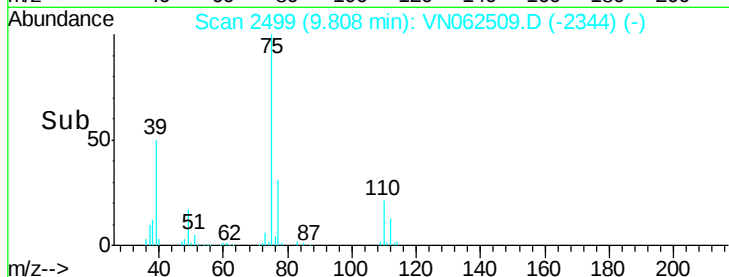
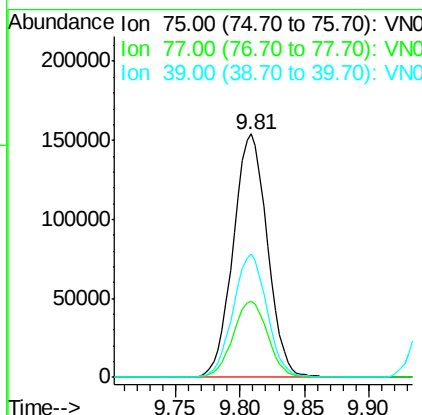
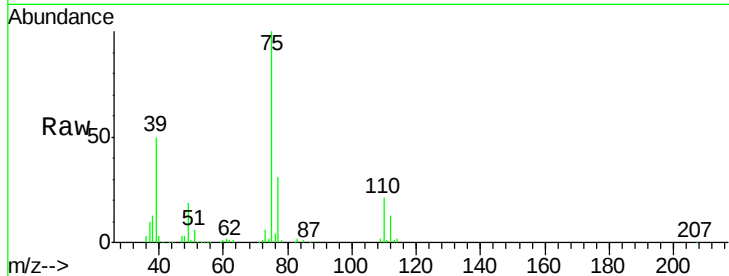
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	283790
Ion Ratio		Lower	Upper
75	100		
77	31.3	23.7	35.5
39	50.4	40.5	60.7

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#50

1,1,2-Trichloroethane

Concen: 56.884 ug/l

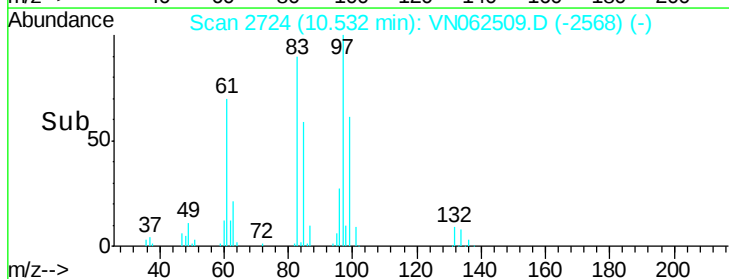
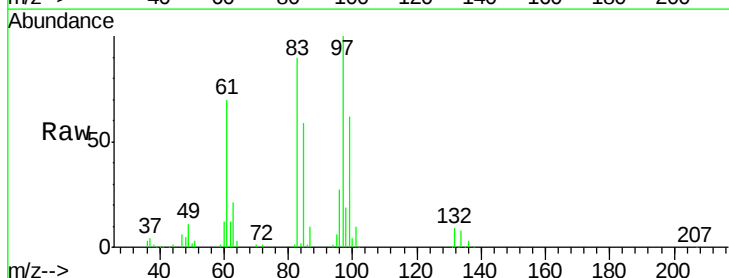
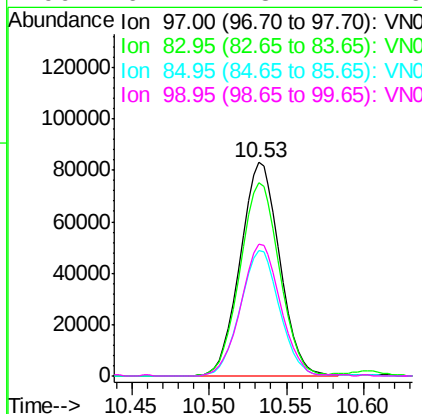
RT: 10.53 min Scan# 2724

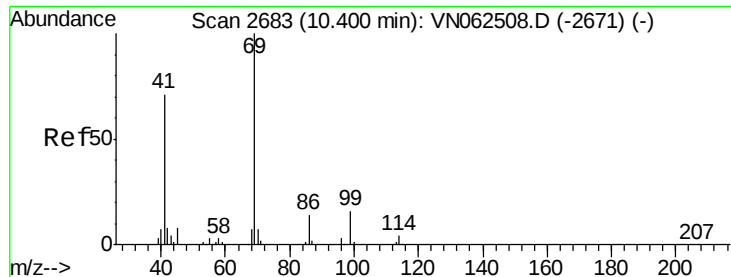
Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	97	Resp:	148005
Ion Ratio		Lower	Upper
97	100		
83	90.3	71.3	106.9
85	59.0	47.2	70.8
99	61.7	48.4	72.6





#51

Ethyl methacrylate

Concen: 71.814 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

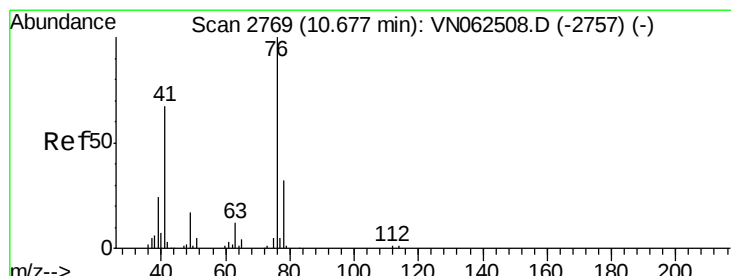
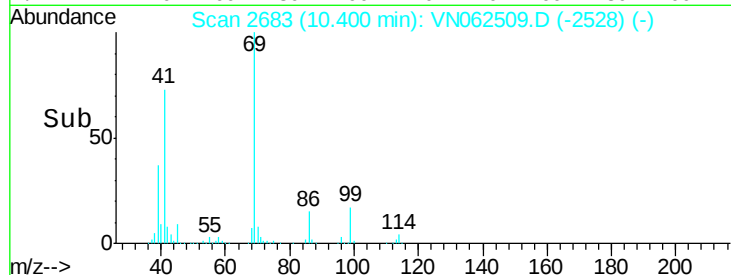
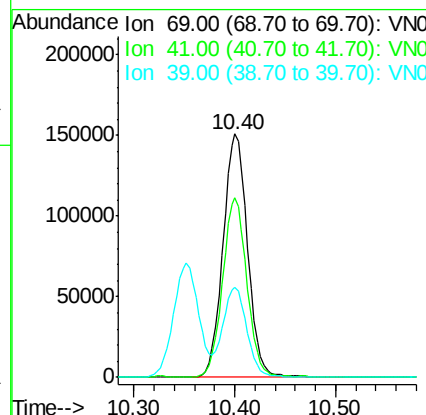
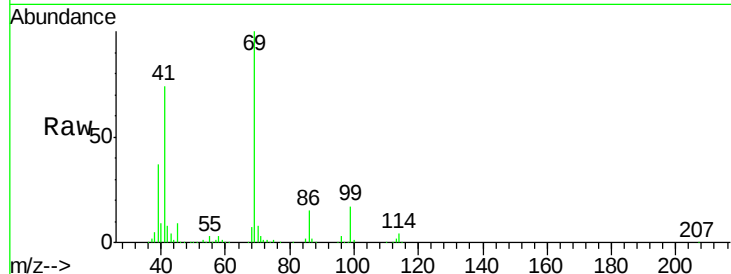
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	257181
Ion	Ratio	Lower	Upper
69	100		
41	73.4	35.6	106.8
39	36.9	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 63.795 ug/l

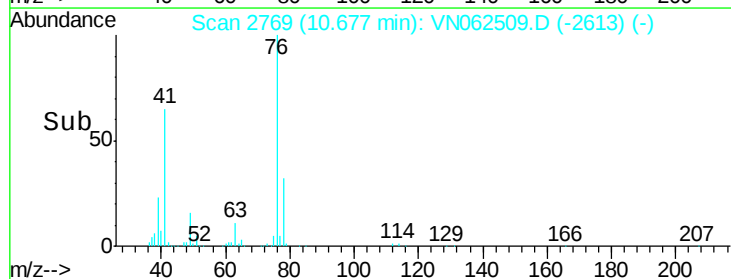
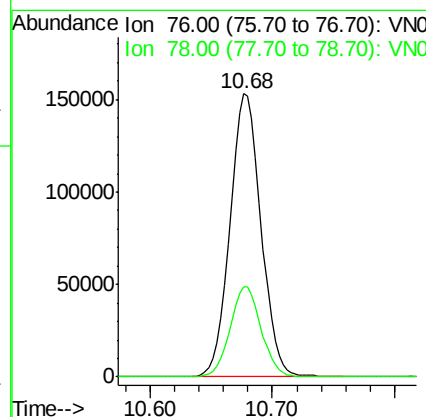
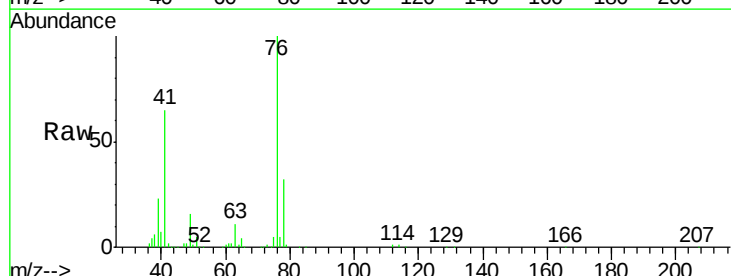
RT: 10.68 min Scan# 2769

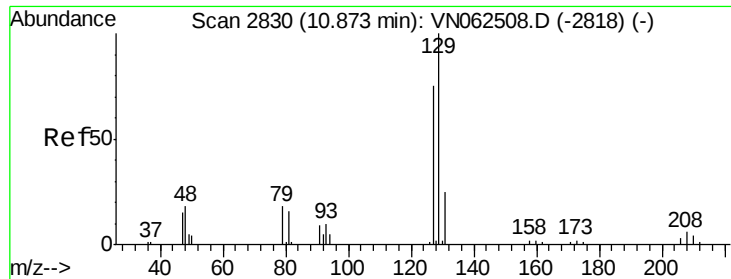
Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	76	Resp:	272200
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.6





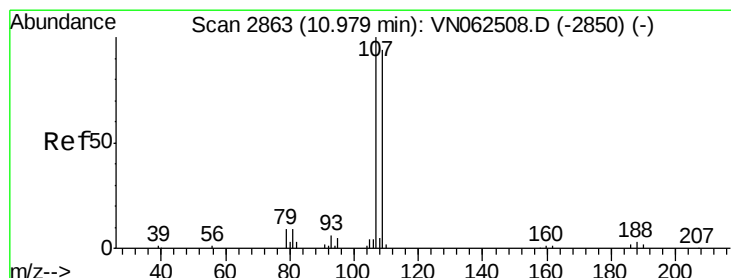
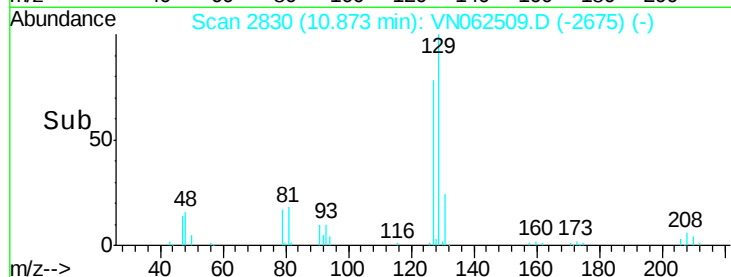
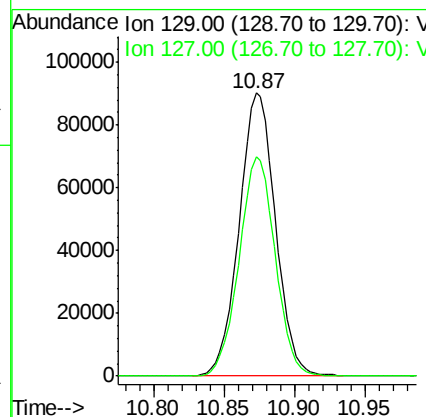
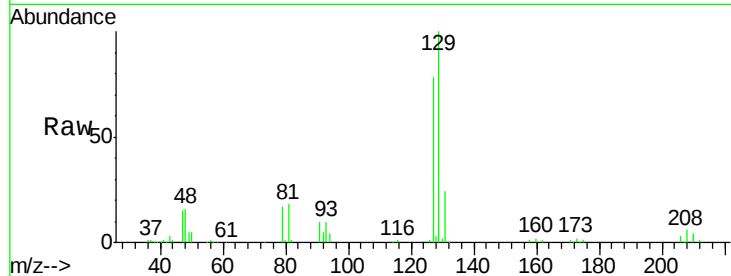
#53
 Dibromochloromethane
 Concen: 53.886 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		162439		
127	77.2	38.1	114.5		

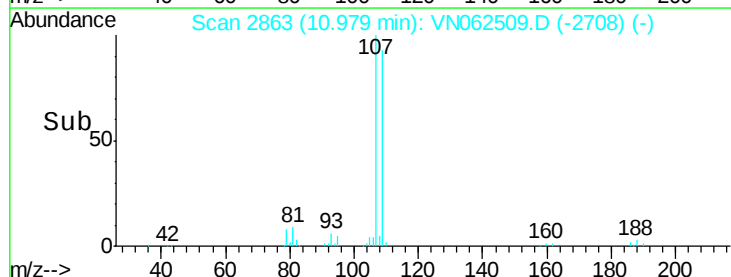
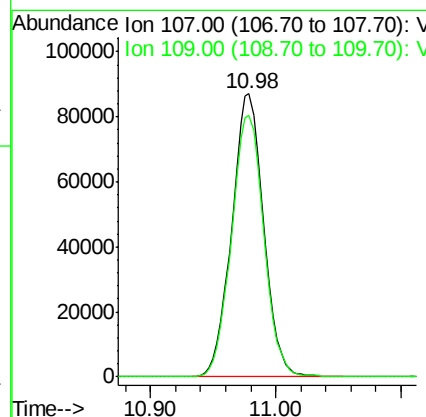
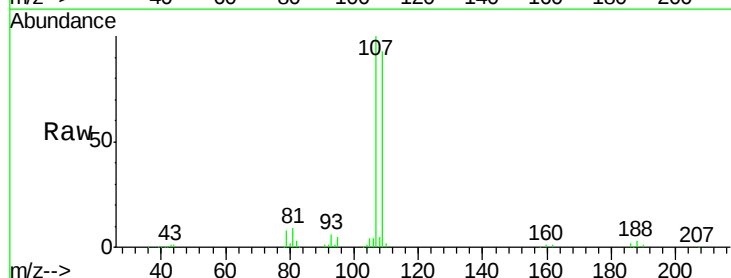
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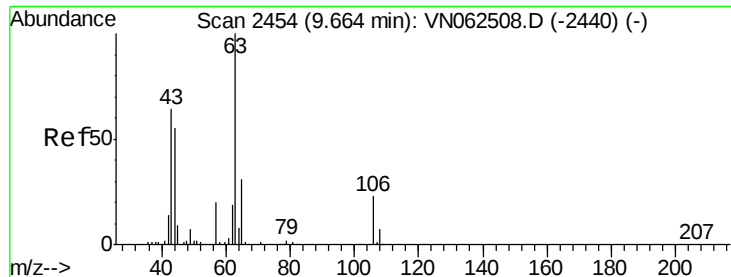
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#54
 1,2-Dibromoethane
 Concen: 56.868 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		152890		
109	94.1	74.8	112.2		





#55

2-Chloroethyl vinyl ether

Concen: 317.145 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

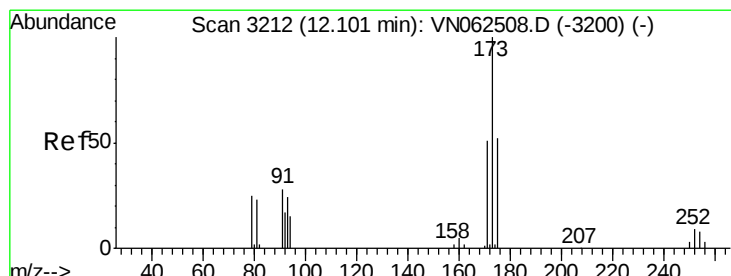
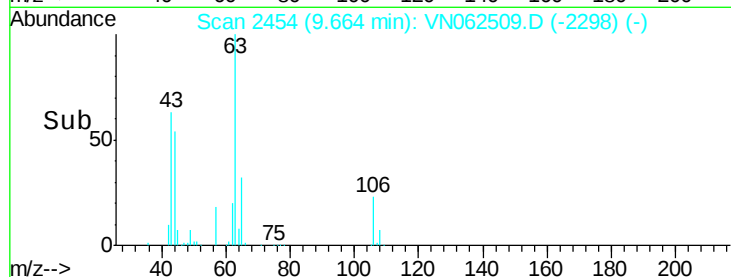
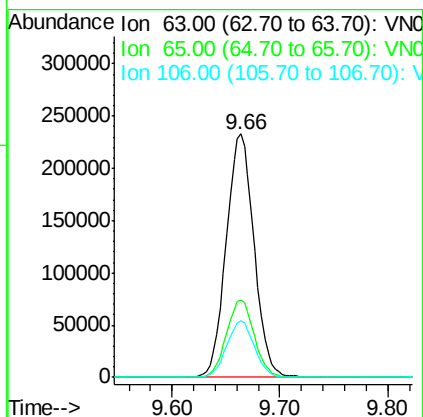
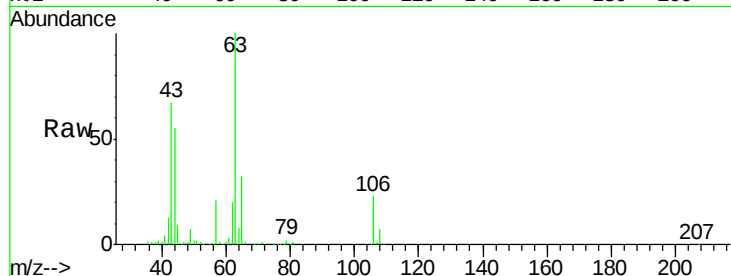
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	418363
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2
106	23.0	18.4	27.6

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#56

Bromoform

Concen: 53.010 ug/l

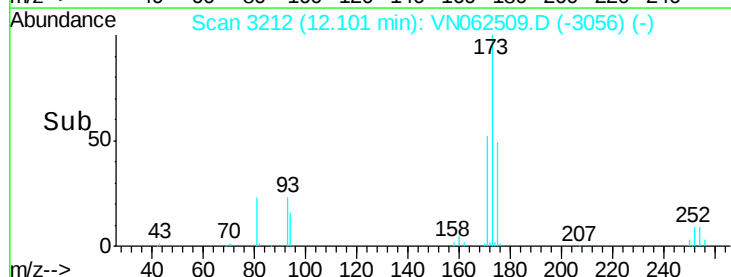
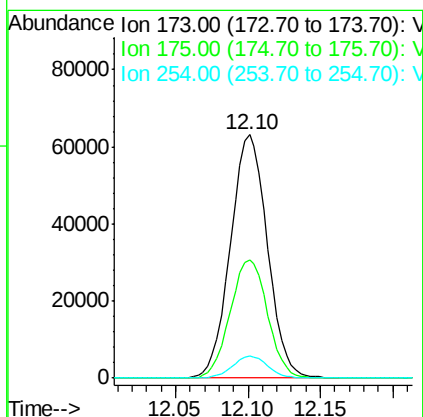
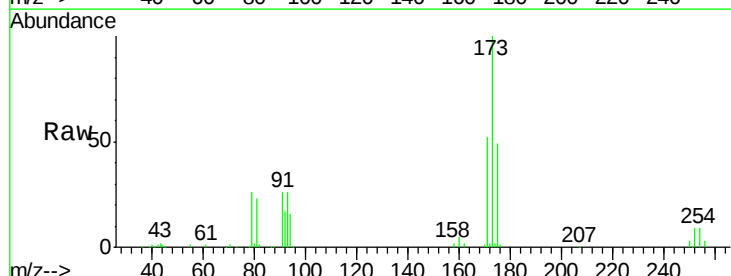
RT: 12.10 min Scan# 3212

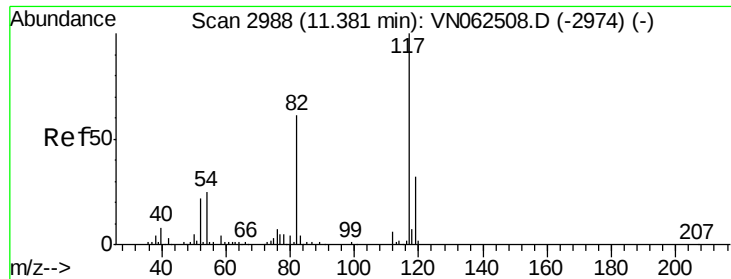
Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	173	Resp:	111685
Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.1	57.1
254	8.6	6.2	9.2





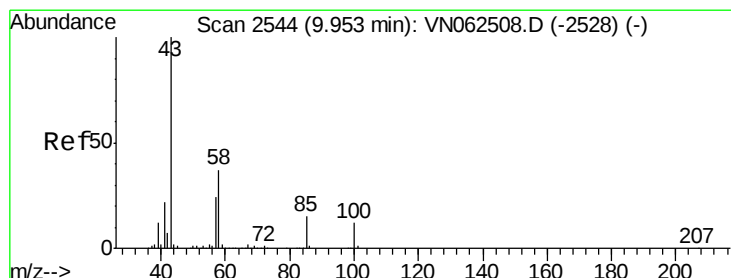
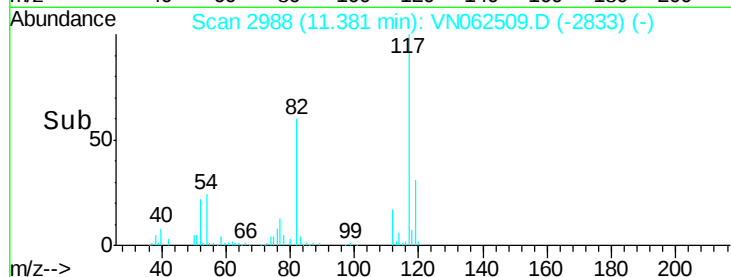
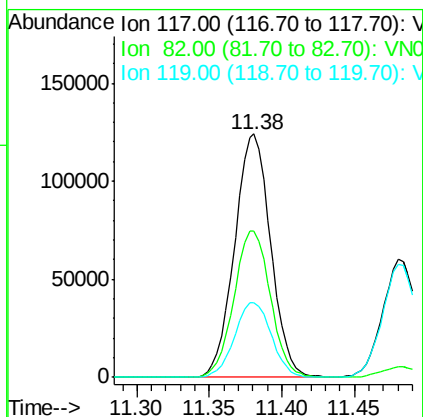
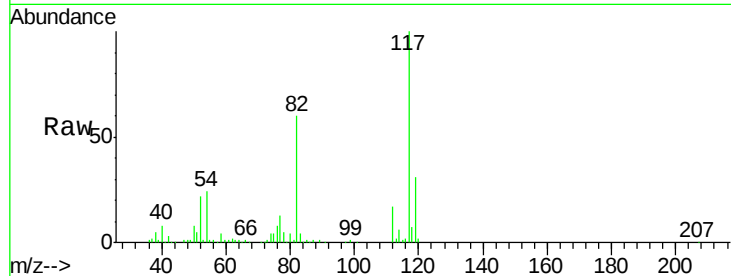
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	49.0	73.6
119	31.3	25.6	38.4

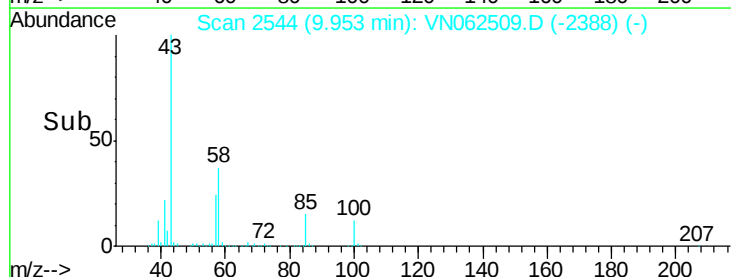
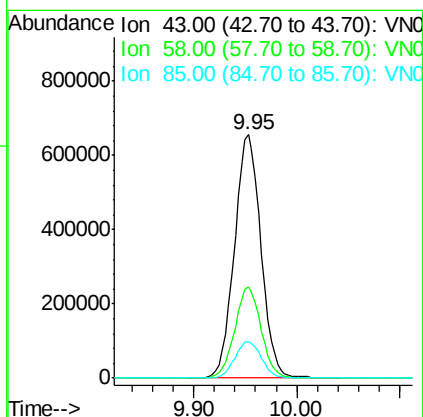
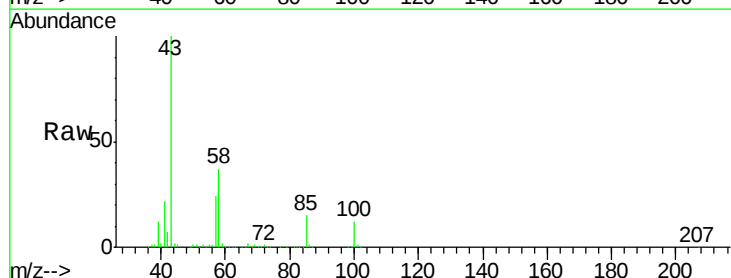
Manual Integrations
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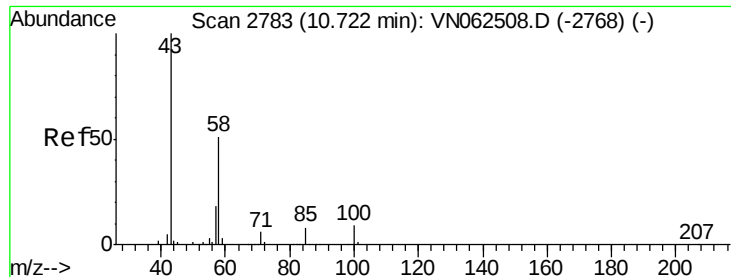
MMDadoda
7/14/2020 11:36:42 AM



#58
4-Methyl-2-Pentanone
Concen: 436.899 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.6	44.4
85	15.2	12.0	18.0





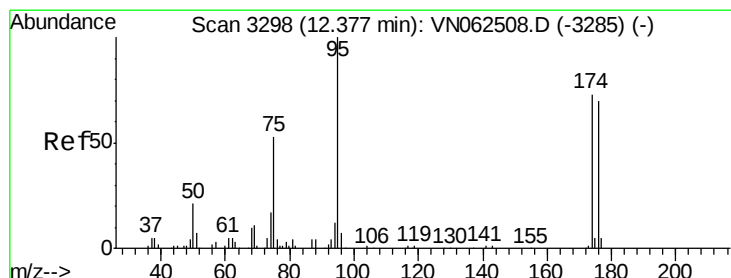
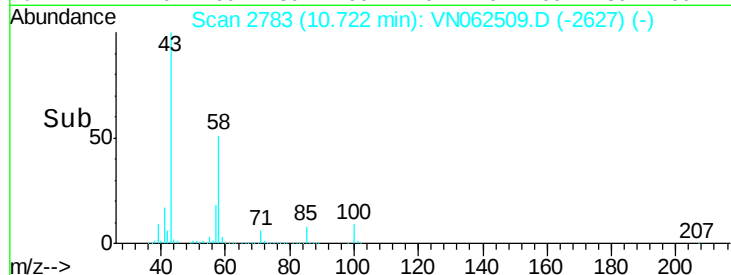
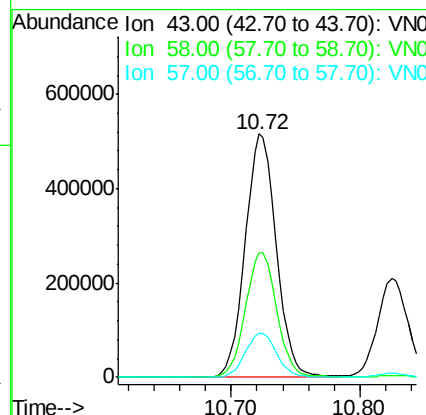
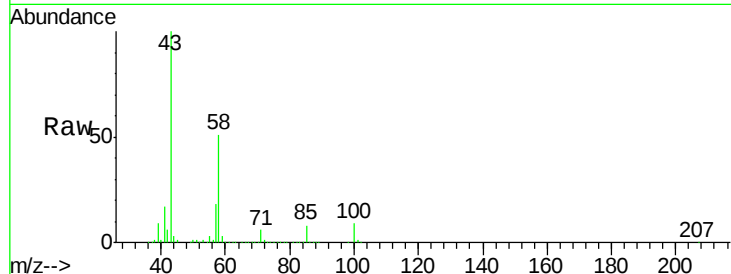
#59
2-Hexanone
Concen: 441.343 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	41.2	61.8
57	18.4	14.4	21.6

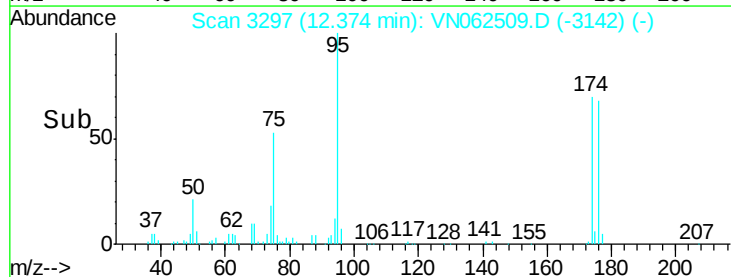
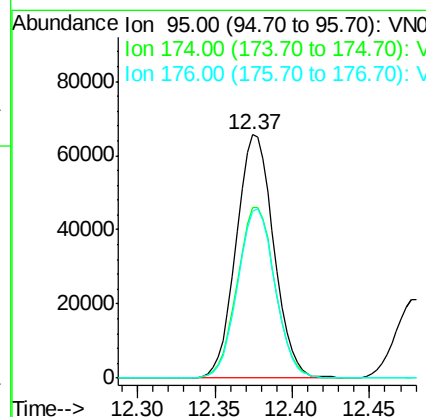
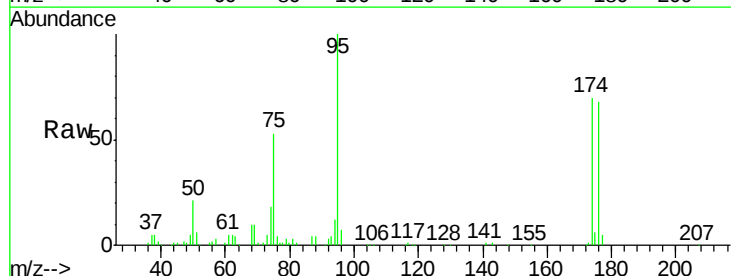
Manual Integrations
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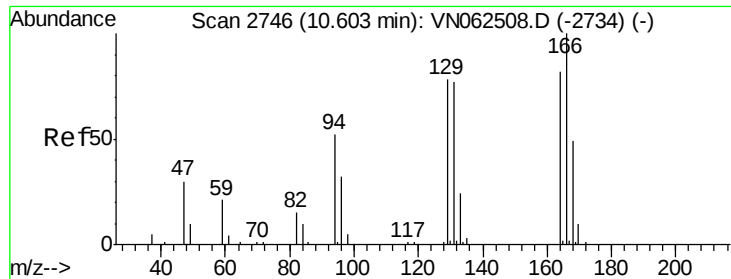
MMDadoda
7/14/2020 11:36:42 AM



#60
4-Bromofluorobenzene
Concen: 33.977 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.7	57.5	86.3
176	69.1	56.3	84.5





#61

Tetrachloroethene

Concen: 38.153 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

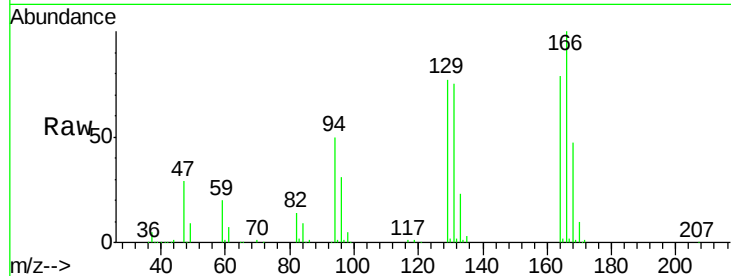
ClientSampleId :

VSTDIC050

Tot Ion:	164	Resp:	118480
Ion	Ratio	Lower	Upper
164	100		
166	125.9	97.7	146.5
129	96.7	77.0	115.4
131	94.1	75.0	112.6

Manual Integrations
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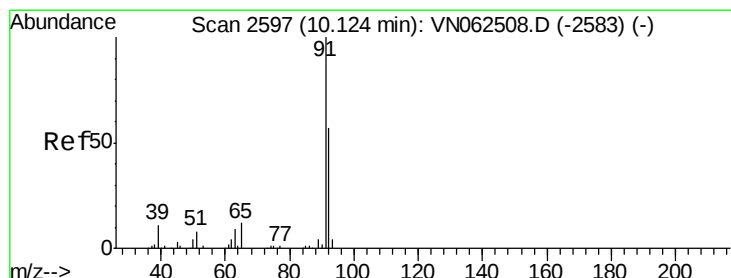
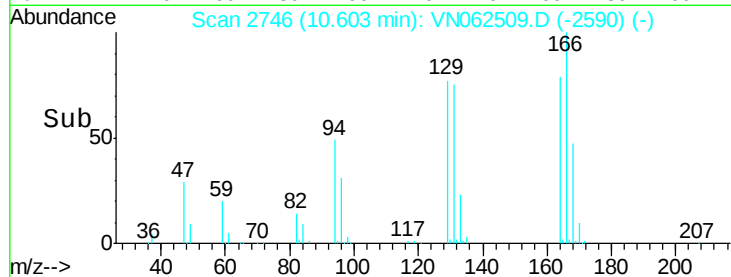
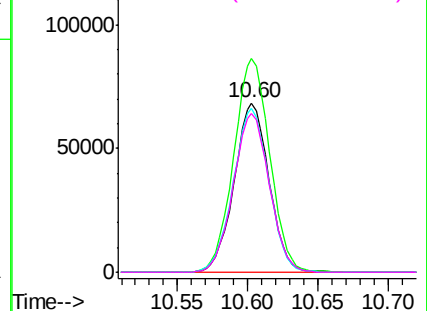


Abundance Ion 163.85 (163.55 to 164.55): V

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: 59.396 ug/l

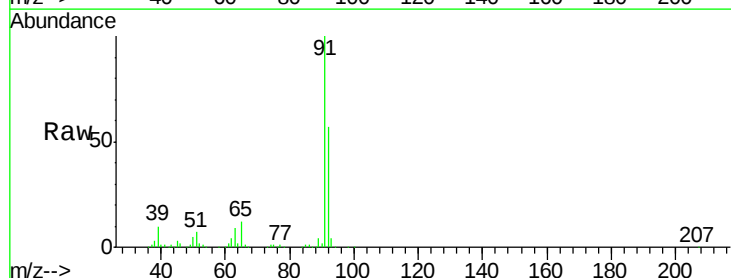
RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062509.D

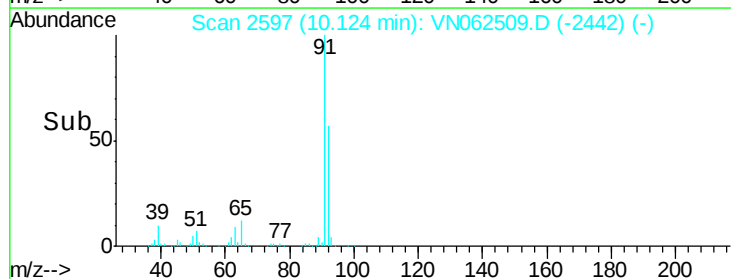
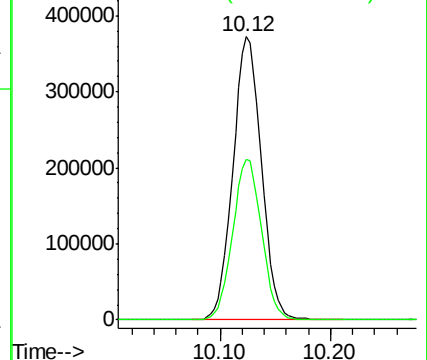
Acq: 13 Jul 2020 10:24

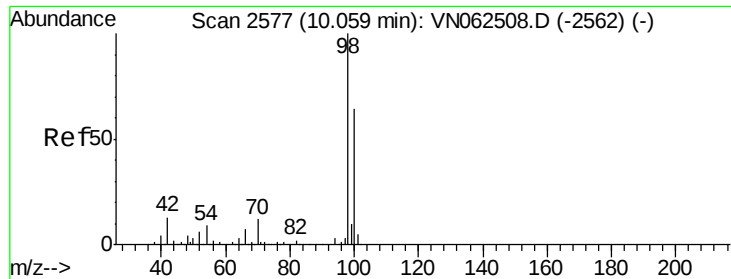
Tgt Ion:	91	Resp:	667709
Ion	Ratio	Lower	Upper
91	100		
92	57.5	45.8	68.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





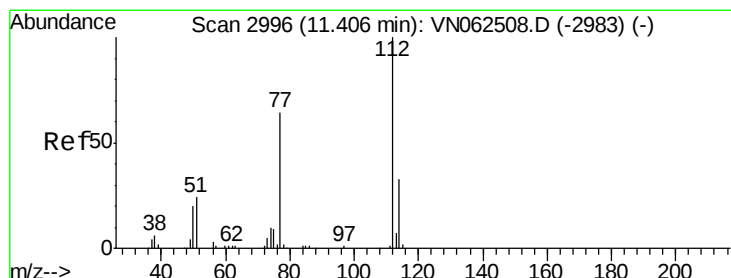
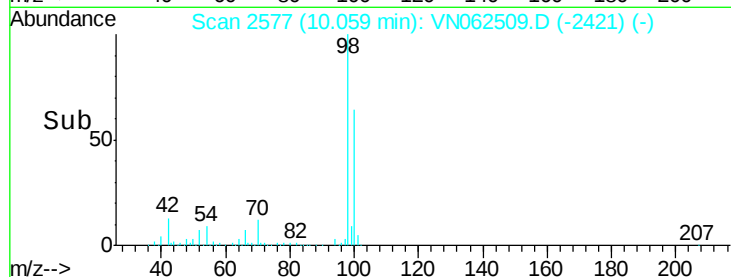
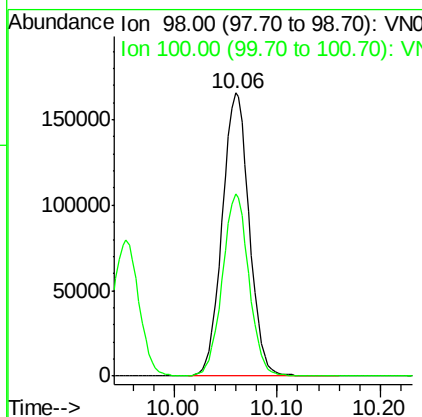
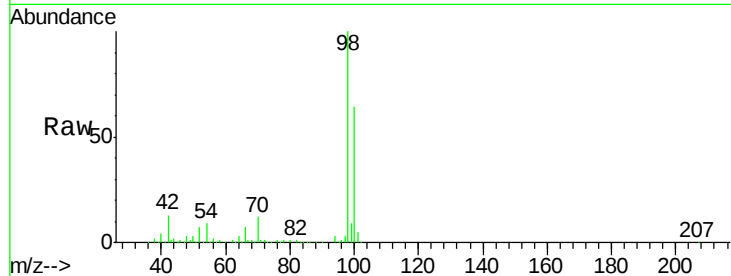
#63
Toluene-d8
Concen: 32.412 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 302445
Ion Ratio Lower Upper
98 100
100 63.3 50.4 75.6

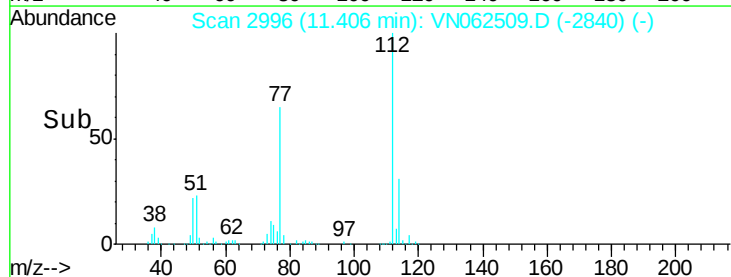
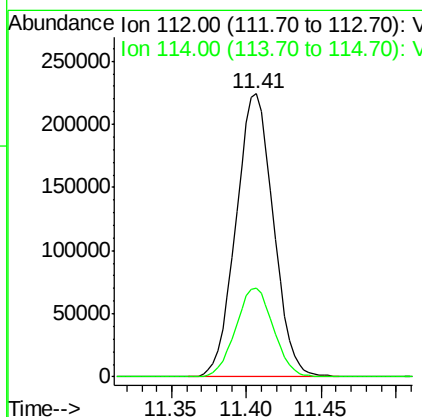
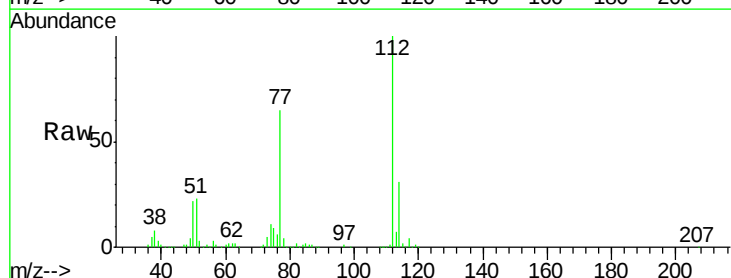
Manual Integrations
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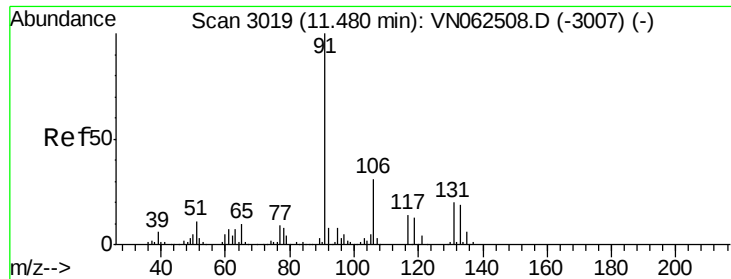
MMDadoda
7/14/2020 11:36:42 AM



#64
Chlorobenzene
Concen: 55.266 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion: 112 Resp: 390867
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 53.632 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

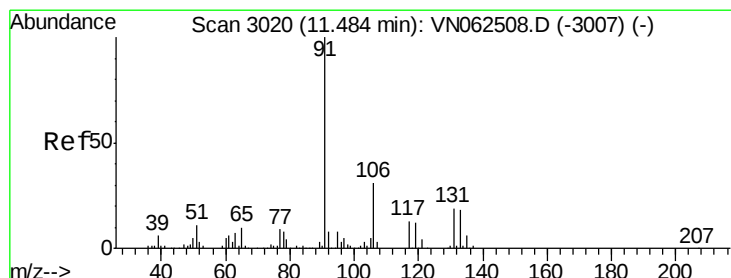
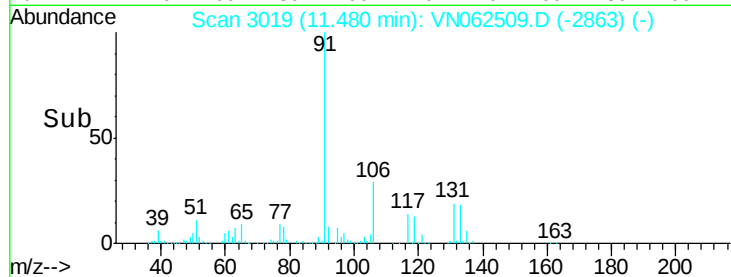
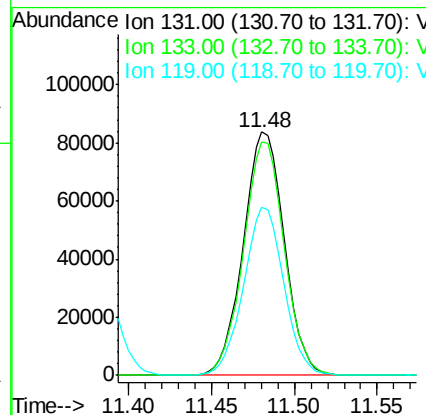
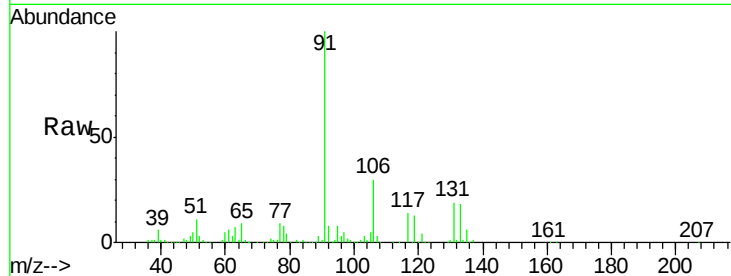
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	144437
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	191.4
119	67.6	0.0	136.2

Manual Integrations
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7/14/2020 11:36:42 AM



#66

Ethyl Benzene

Concen: 60.444 ug/l

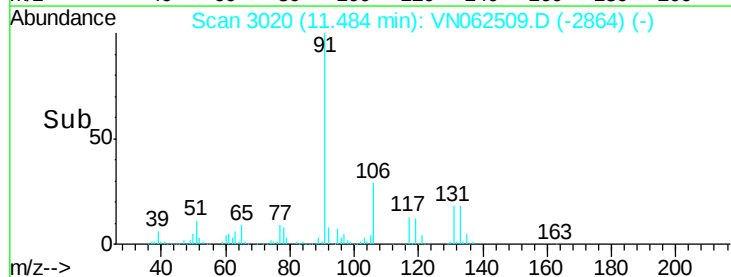
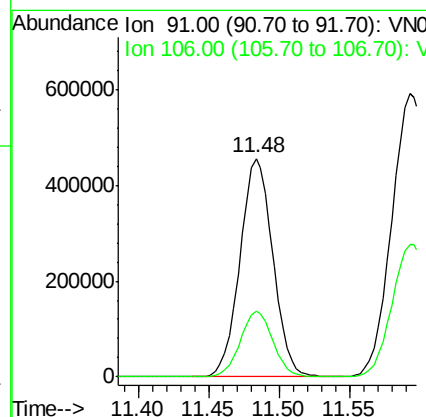
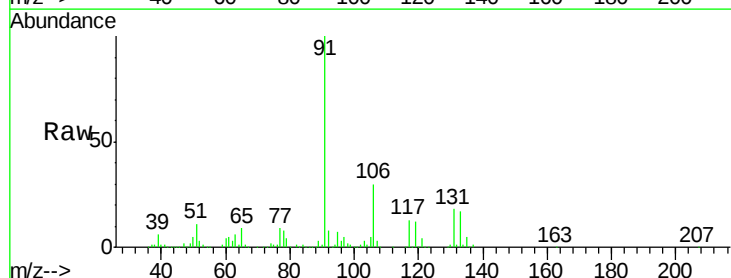
RT: 11.48 min Scan# 3020

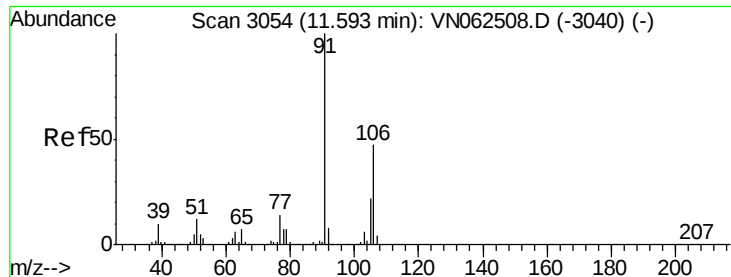
Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	91	Resp:	745692
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.6	36.8





#67

m/p-Xvlenes

Concen: 112.213 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 538786

Ion Ratio Lower Upper

106 100

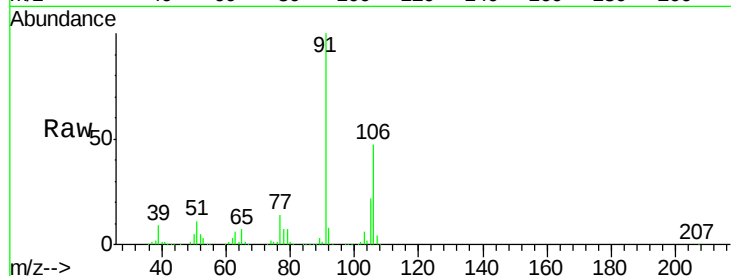
91 213.8 170.7 256.1

Manual Integrations

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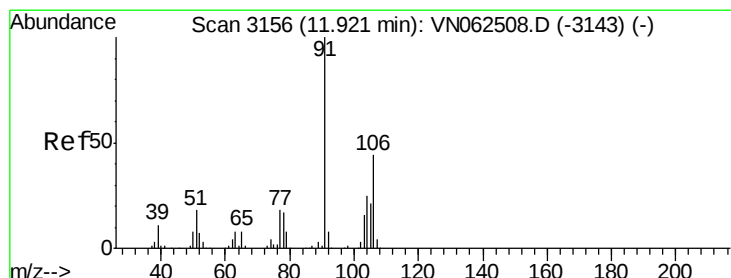
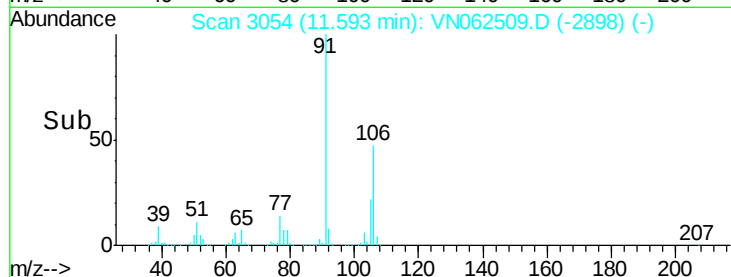
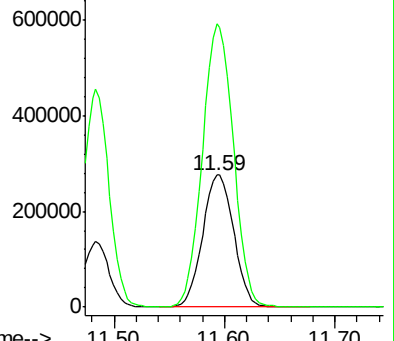
MMDadoda

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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: 56.752 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN062509.D

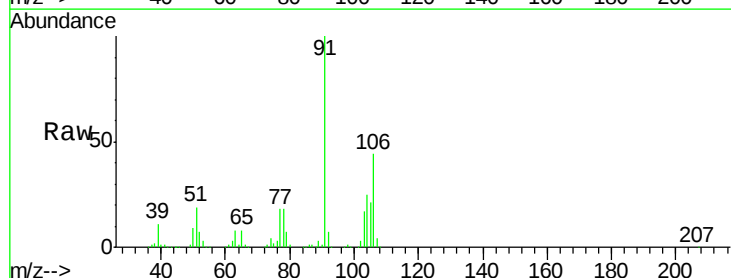
Acq: 13 Jul 2020 10:24

Tgt Ion:106 Resp: 258256

Ion Ratio Lower Upper

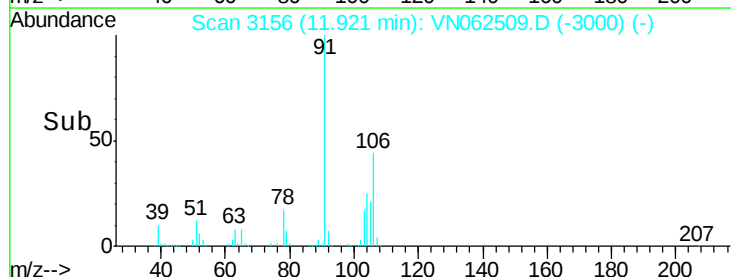
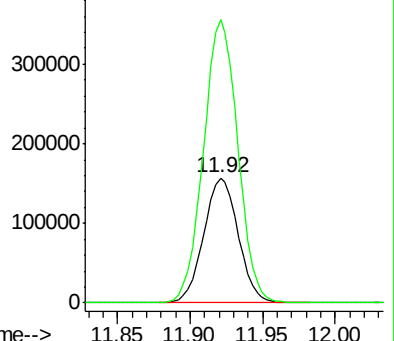
106 100

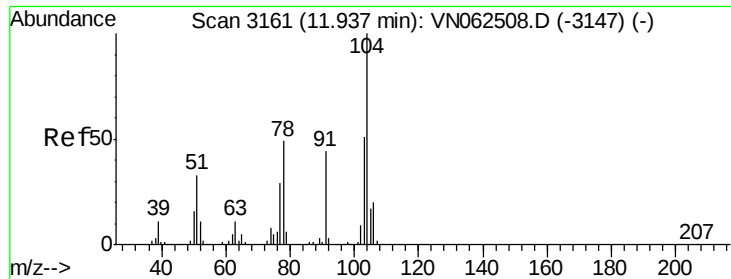
91 226.3 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





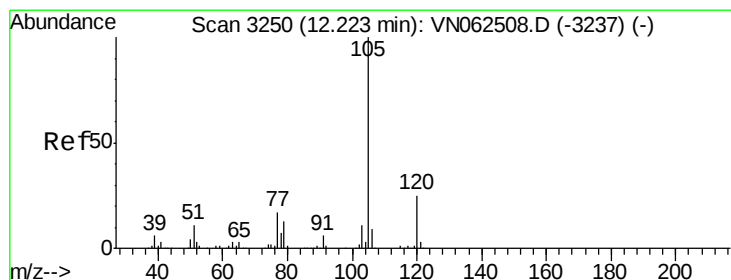
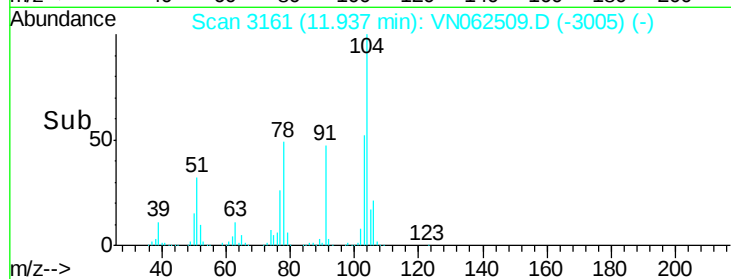
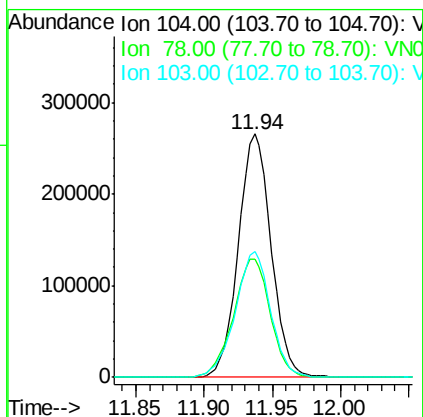
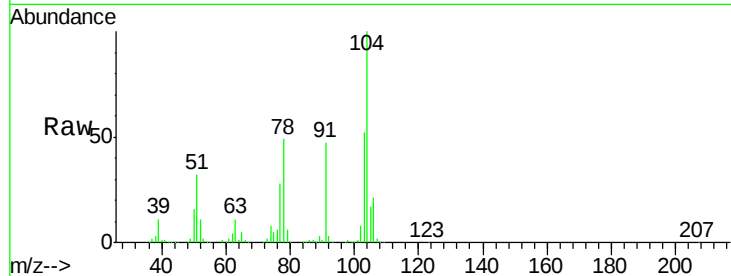
#69
Stvrene
Concen: 57.344 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
104	100	443982		
78	54.6		43.9	65.9
103	55.5		43.8	65.6

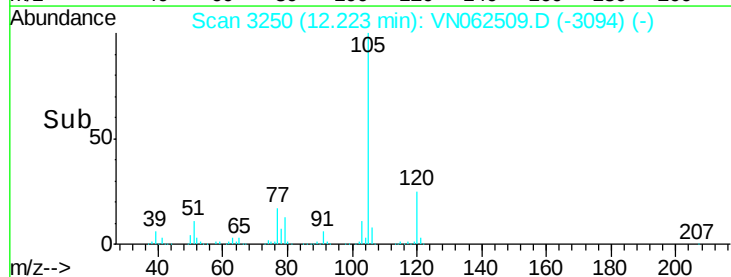
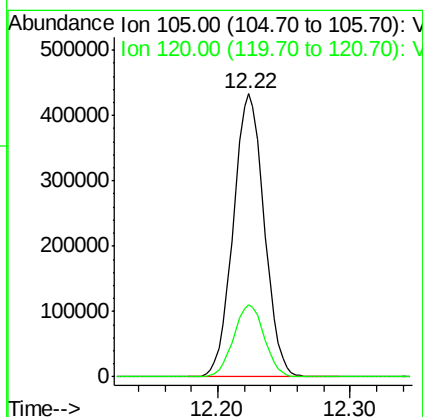
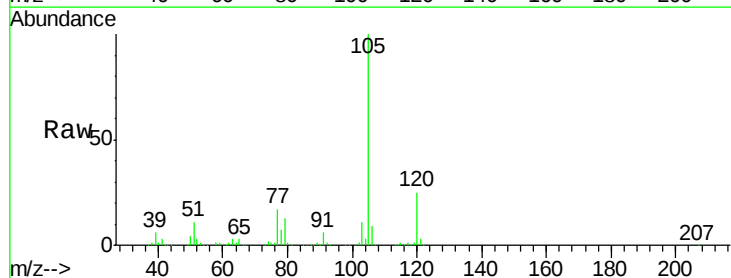
Manual Integrations
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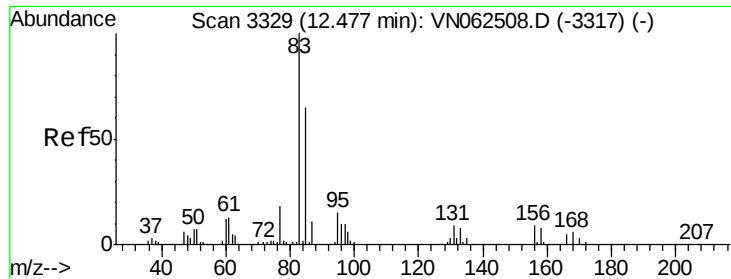
MMDadoda
7/14/2020 11:36:42 AM



#70
Isopropylbenzene
Concen: 57.901 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	699457		
120	25.5		17.6	32.8





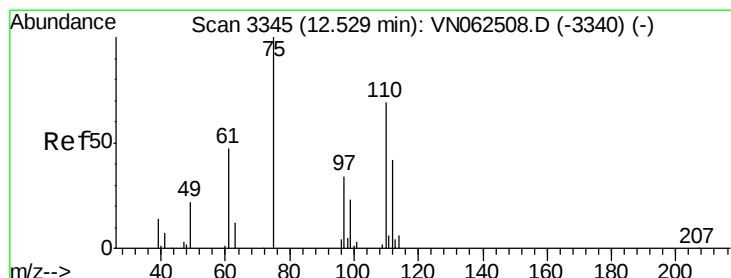
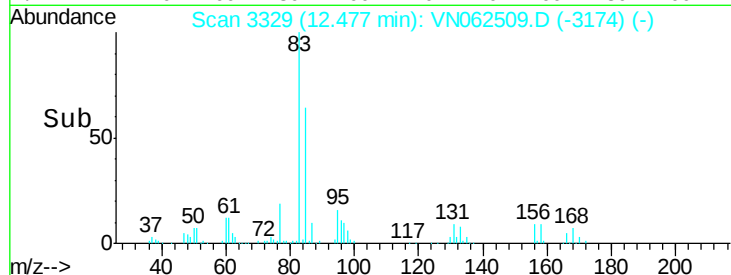
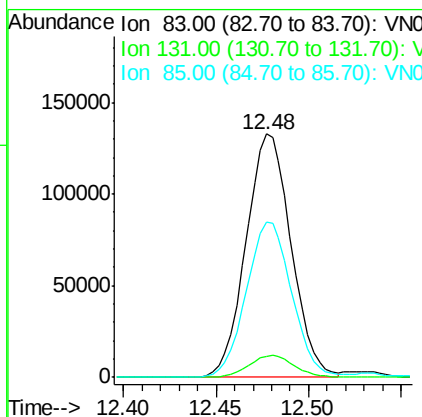
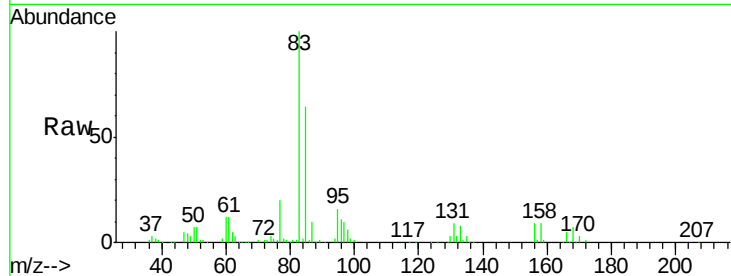
#71
 1,1,2,2-Tetrachloroethane
 Concen: 66.875 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	224788
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	64.3	32.5	97.4

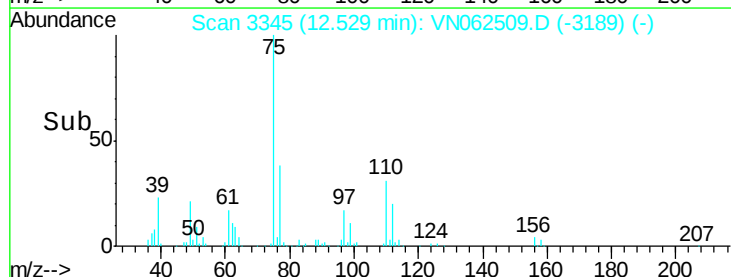
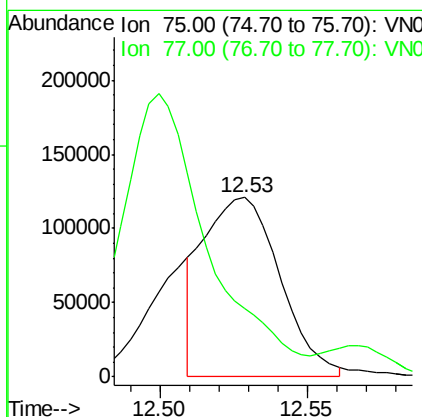
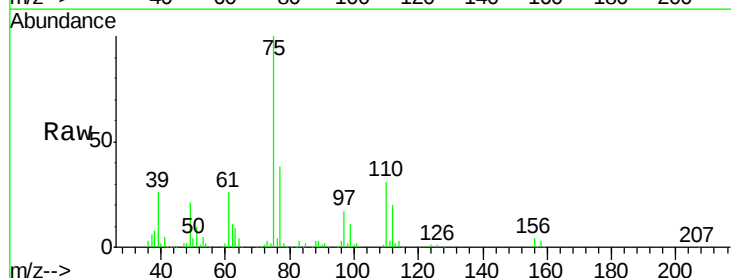
Manual Integrations
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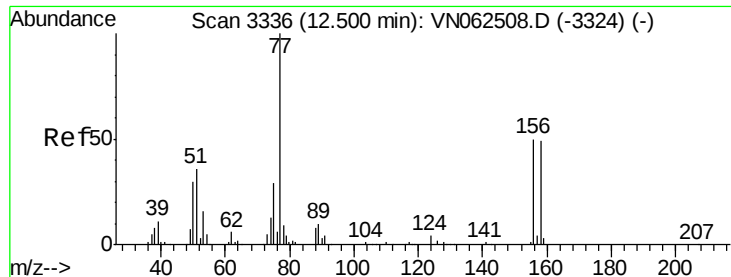
MMDadoda
 7/14/2020 11:36:42 AM



#72
 1,2,3-Trichloropropane
 Concen: 69.246 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	75	Resp	217287
Ion Ratio	100	Lower	Upper
75	100		
77	179.9	0.0	376.2





#73

Bromobenzene

Concen: 50.158 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

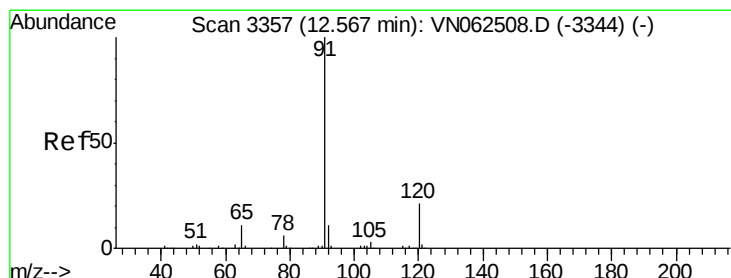
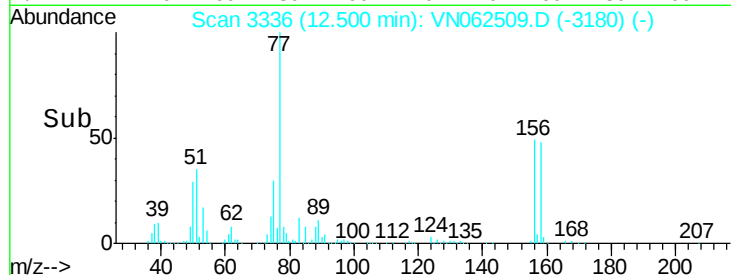
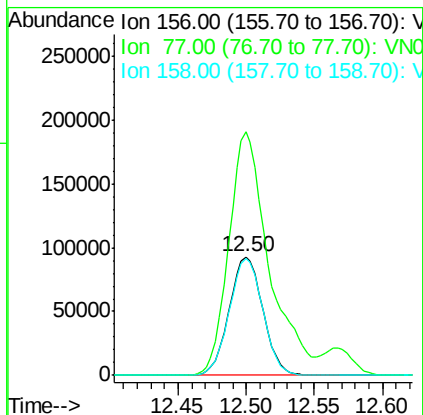
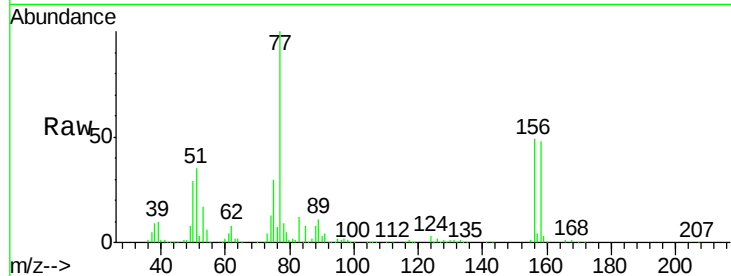
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	159031
Ion Ratio	Lower	Upper	
156	100		
77	245.8	0.0	485.0
158	98.3	0.0	192.6

Manual Integrations
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7/14/2020 11:36:42 AM



#74

n-propylbenzene

Concen: 60.683 ug/l

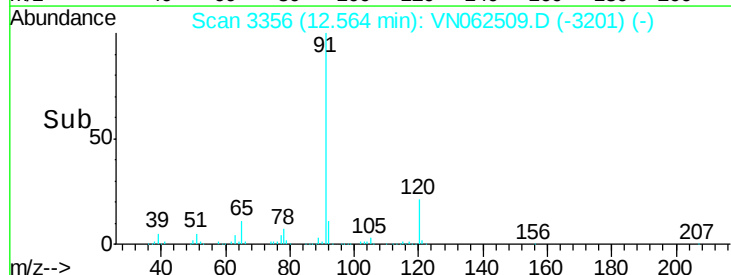
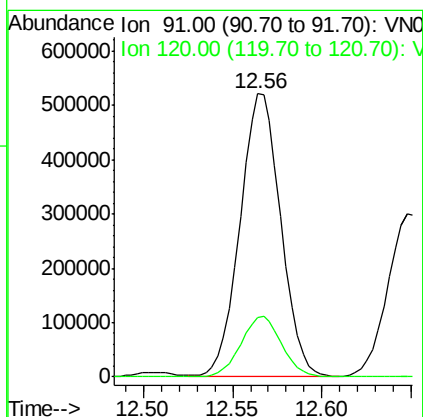
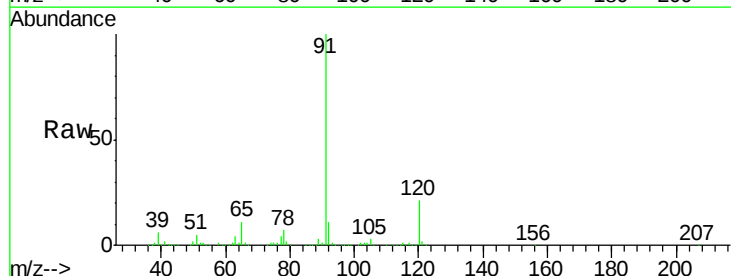
RT: 12.56 min Scan# 3356

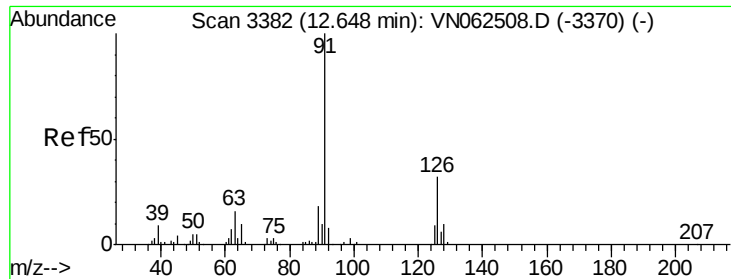
Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	91	Resp:	833099
Ion Ratio	Lower	Upper	
91	100		
120	21.3	0.0	42.8





#75

2-Chlorotoluene

Concen: 60.787 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 496900

Ion Ratio Lower Upper

91 100

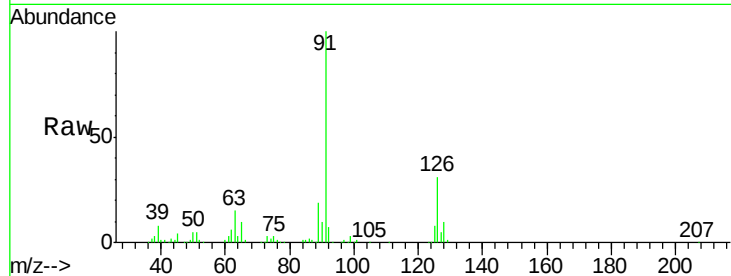
126 31.1 0.0 62.2

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Abundance Ion 91.00 (90.70 to 91.70): VN062509.D (-3226) (-)

Ion 126.00 (125.70 to 126.70): VN062509.D (-3226) (-)

400000

300000

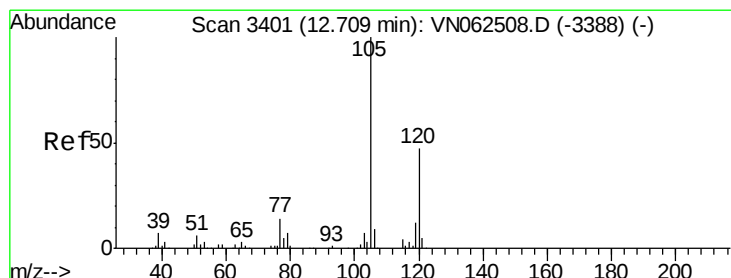
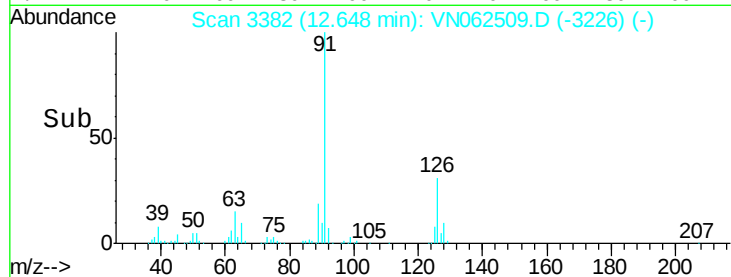
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 59.314 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062509.D

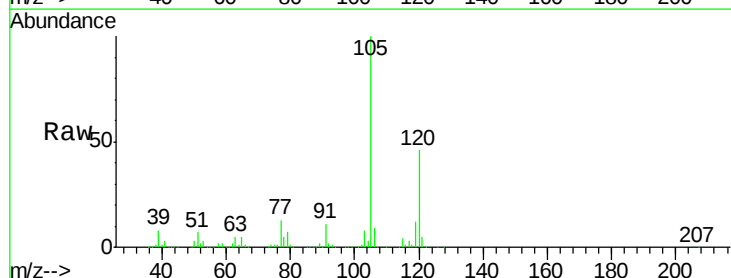
Acq: 13 Jul 2020 10:24

Tgt Ion: 105 Resp: 597367

Ion Ratio Lower Upper

105 100

120 46.0 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062509.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN062509.D (-3246) (-)

400000

300000

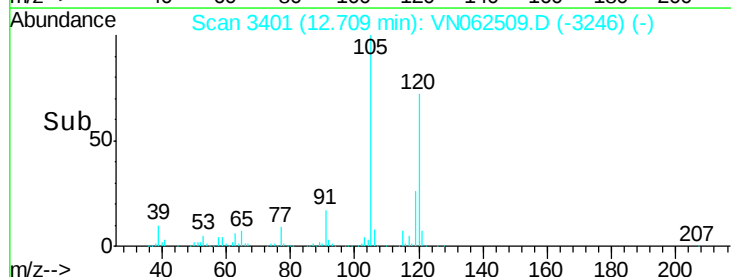
200000

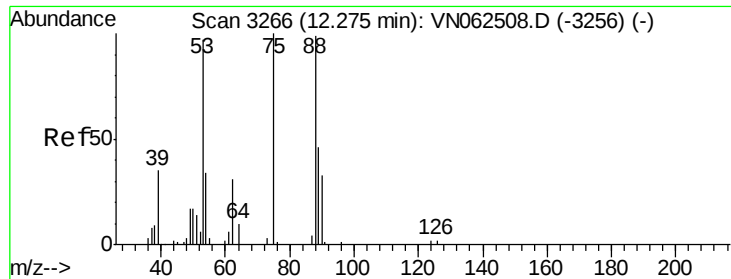
100000

0

12.60 12.70 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 71.066 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

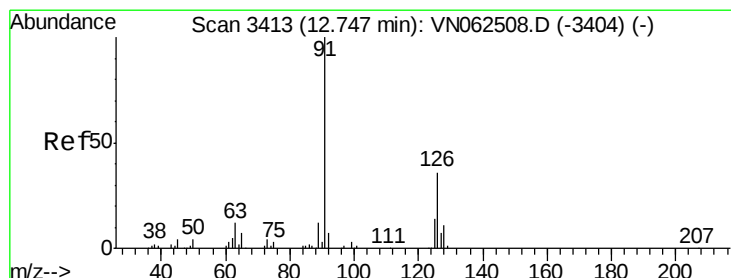
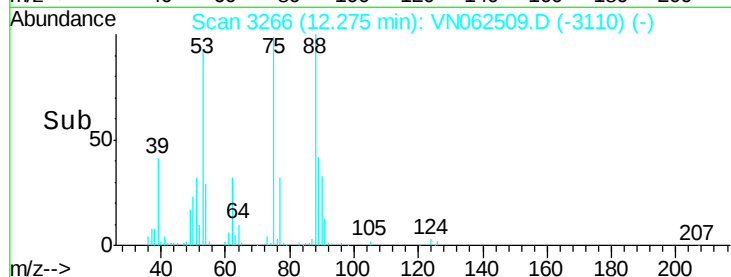
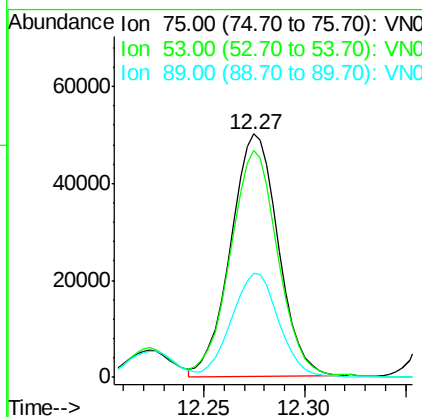
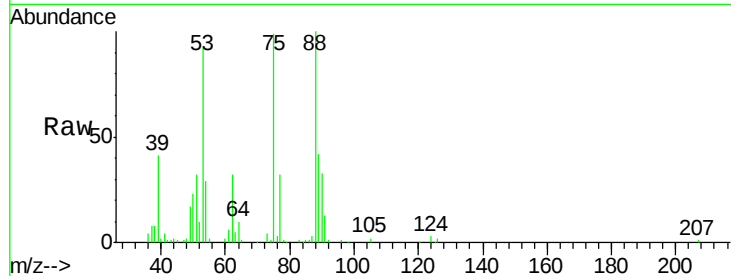
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	82158
Ion Ratio	Lower	Upper	
75	100		
53	93.2	48.3	144.8
89	42.5	23.3	69.8

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#78

4-Chlorotoluene

Concen: 60.635 ug/l

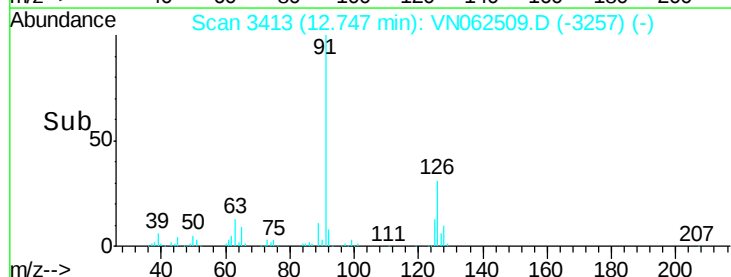
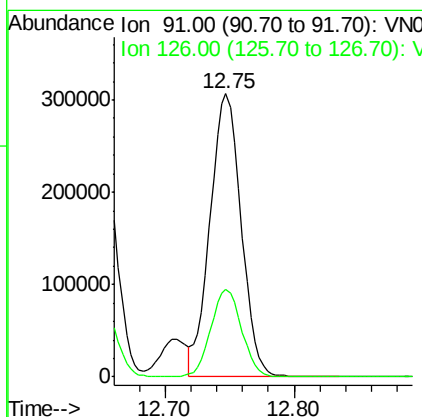
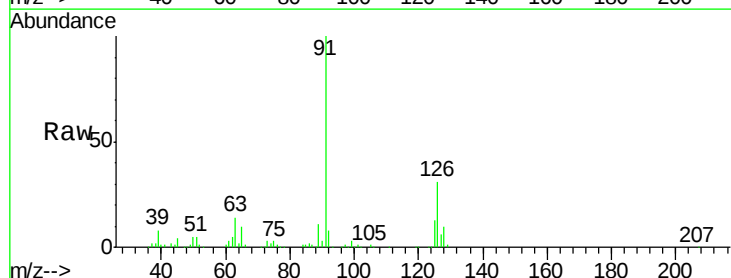
RT: 12.75 min Scan# 3413

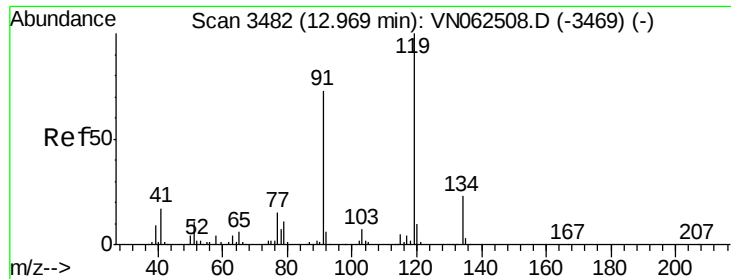
Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	91	Resp:	512982
Ion Ratio	Lower	Upper	
91	100		
126	30.6	0.0	62.2





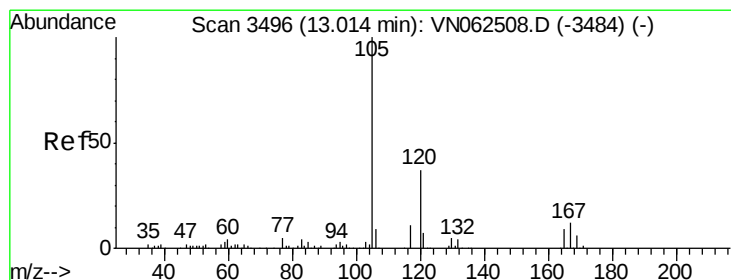
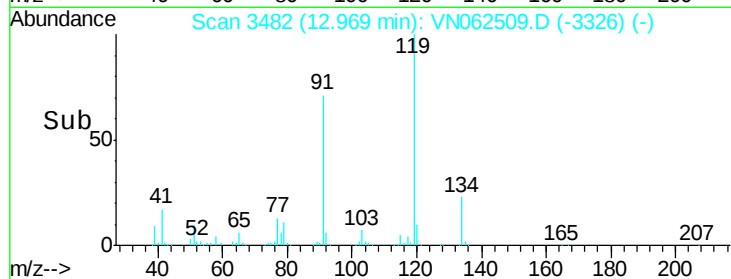
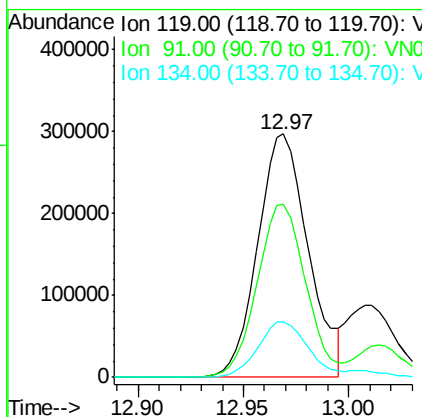
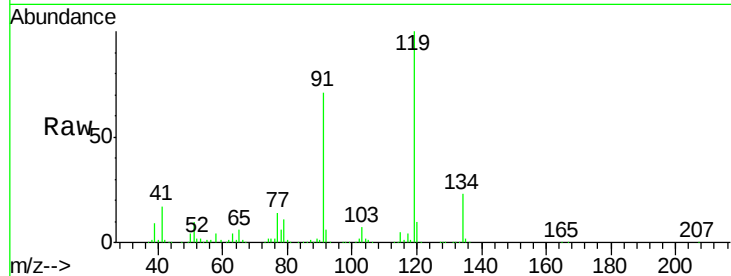
#79
tert-butylbenzene
Concen: 57.073 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	495921		
91	68.8	0.0	139.8	
134	22.6	0.0	45.0	

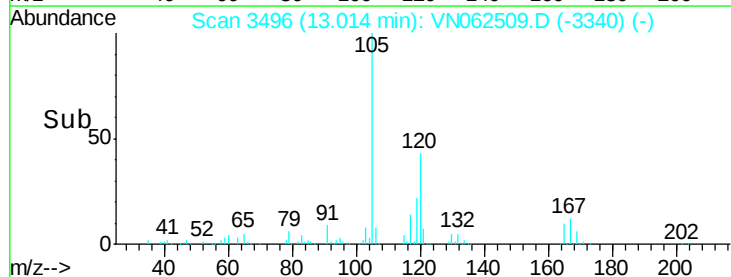
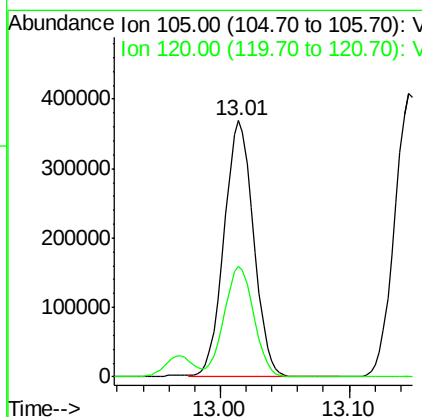
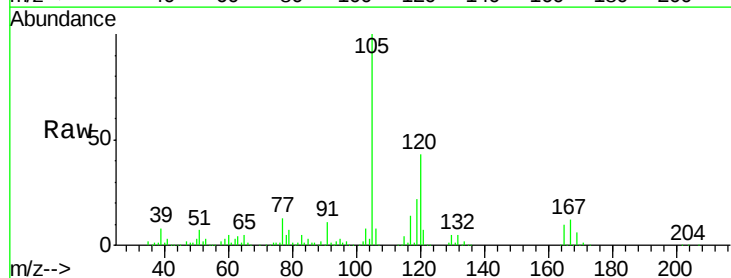
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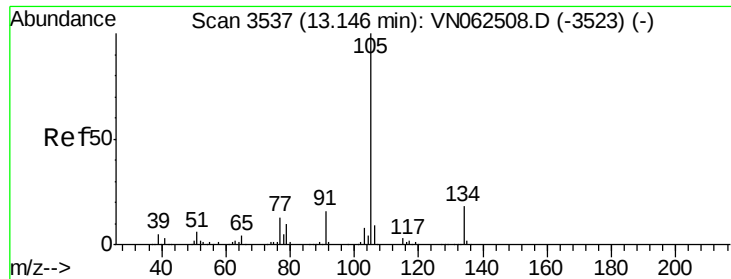
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#80
1,2,4-Trimethylbenzene
Concen: 57.910 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	585017		
120	43.7	0.0	86.6	





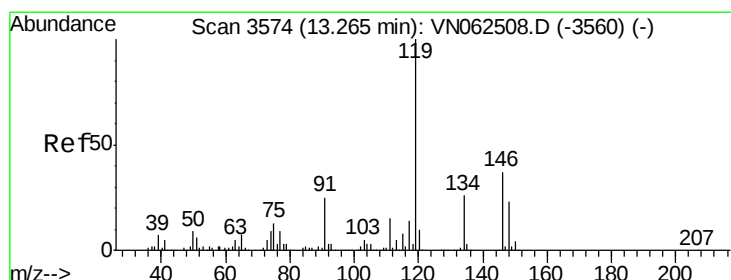
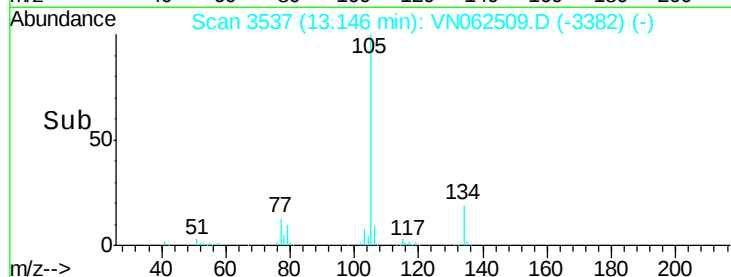
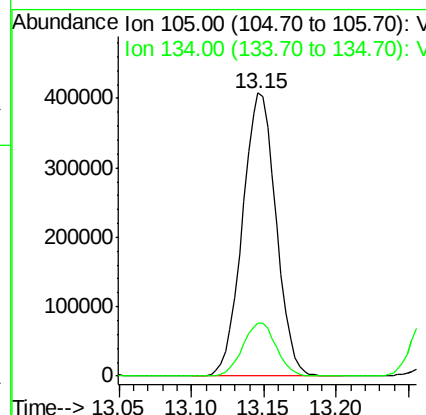
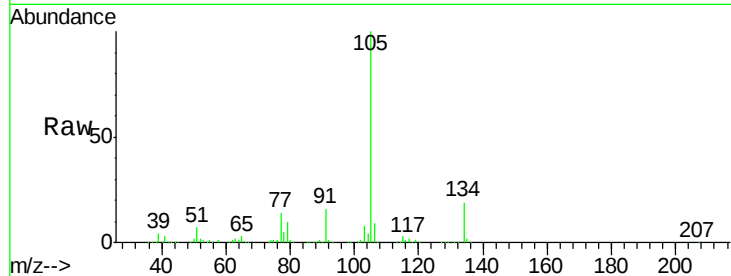
#81
 sec-Butylbenzene
 Concen: 58.244 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	0.0	37.2

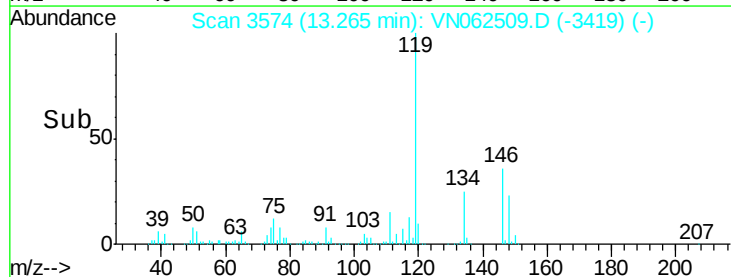
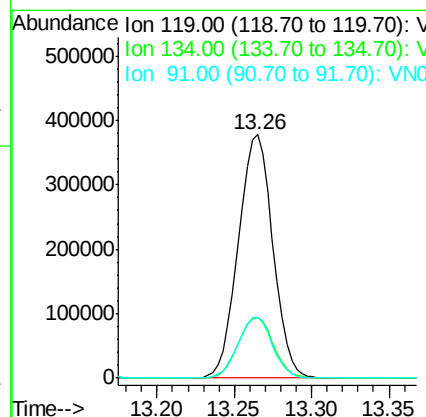
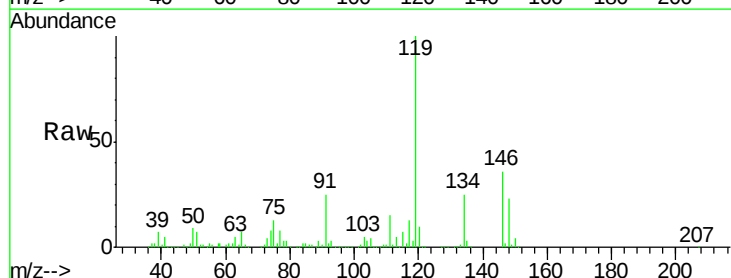
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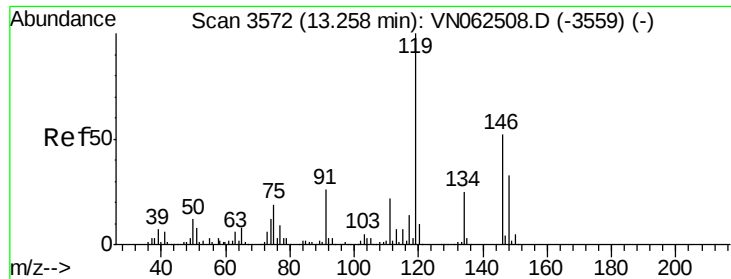
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#82
 p-Isopropyltoluene
 Concen: 56.462 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

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





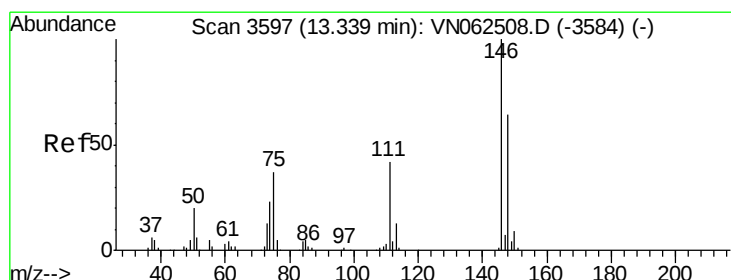
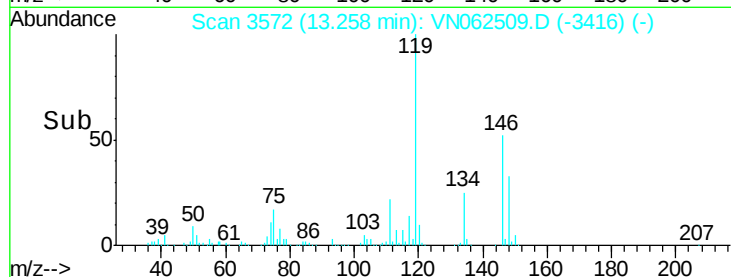
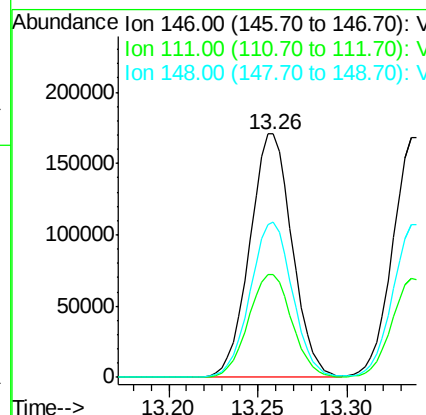
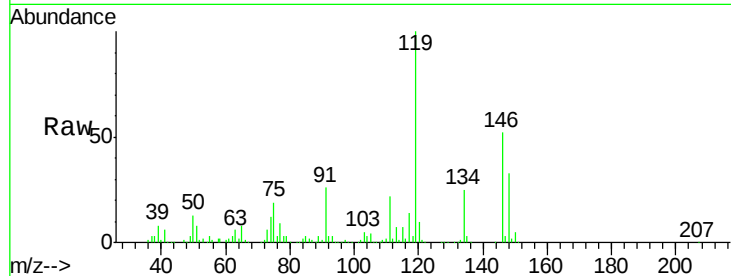
#83
 1,3-Dichlorobenzene
 Concen: 50.480 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.0	63.0
148	63.6	31.7	95.1

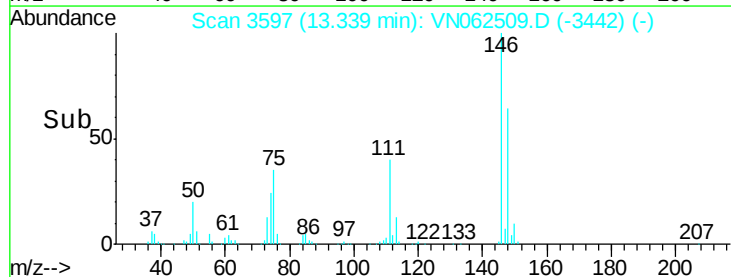
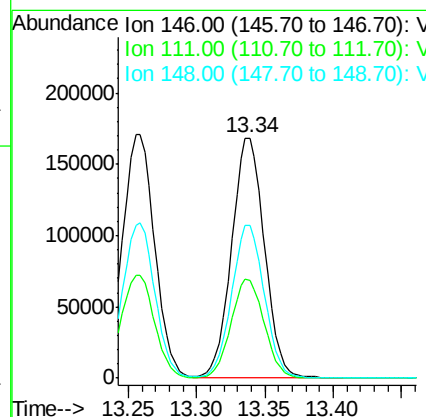
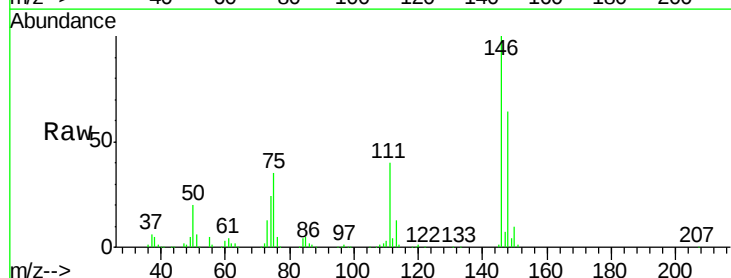
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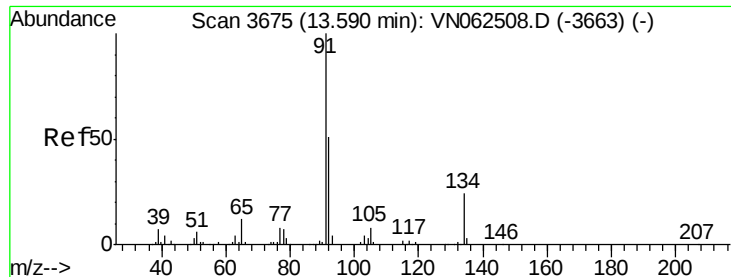
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#84
 1,4-Dichlorobenzene
 Concen: 50.894 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.4	64.2
148	64.0	32.4	97.2





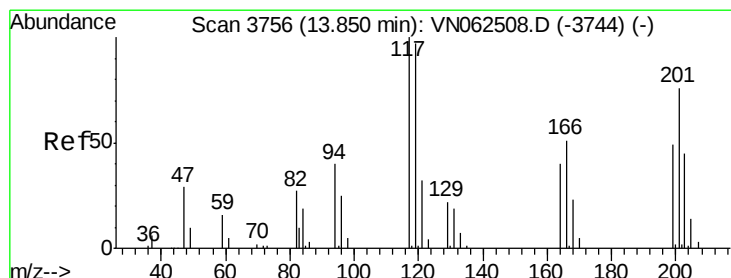
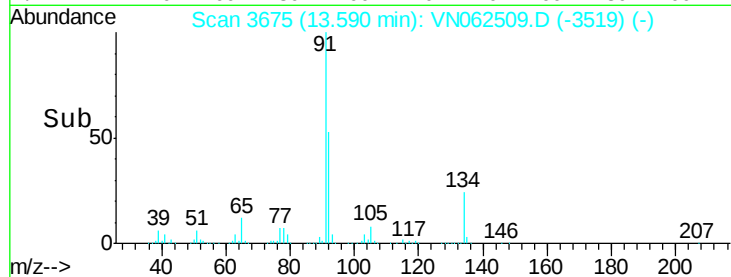
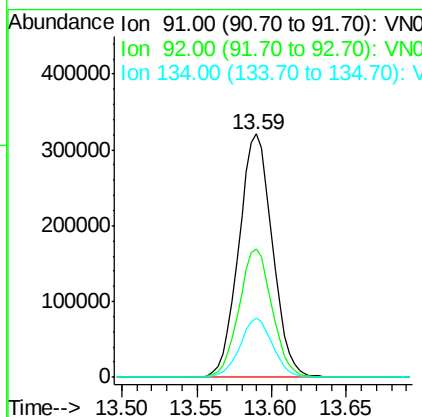
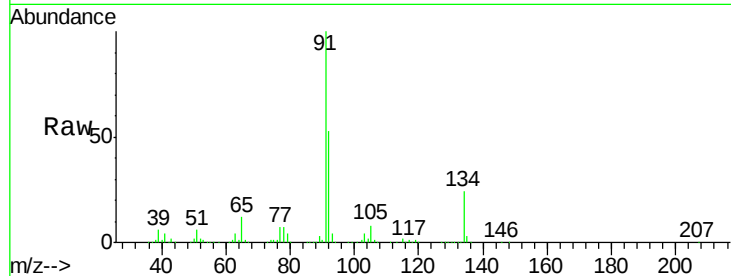
#85
n-Butylbenzene
Concen: 58.903 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	502095		
92	52.1		0.0	102.4
134	23.8		0.0	46.6

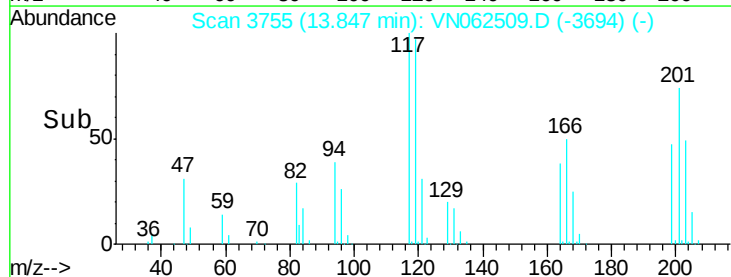
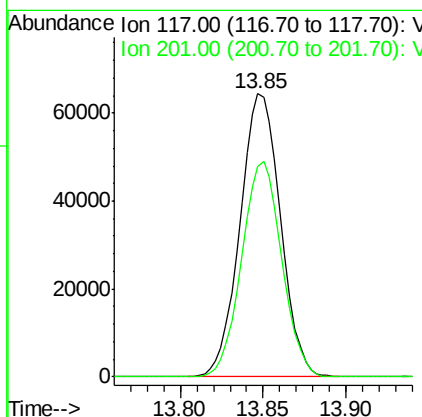
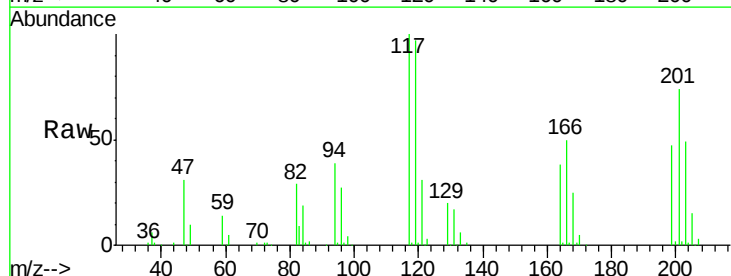
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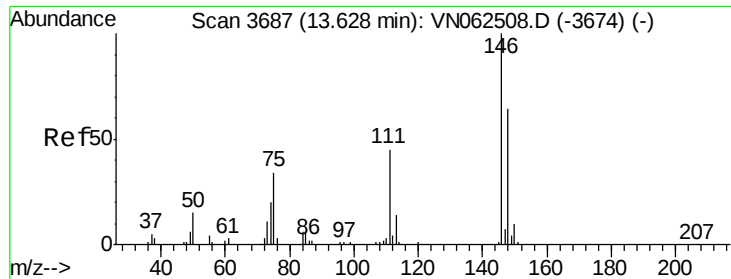
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#86
Hexachloroethane
Concen: 70.922 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	109529		
201	75.0		37.4	112.2





#87

1,2-Dichlorobenzene

Concen: 51.424 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

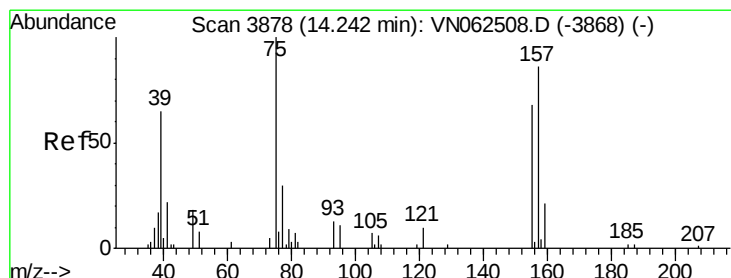
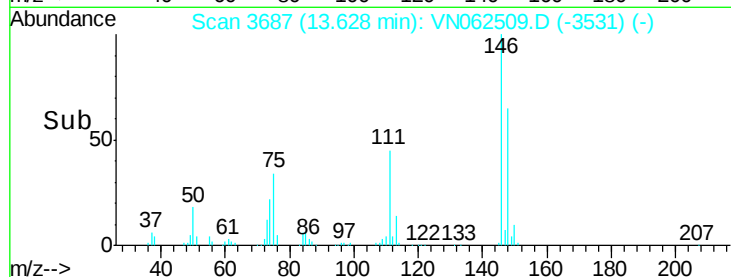
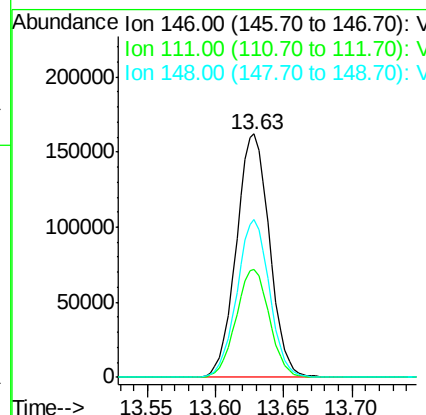
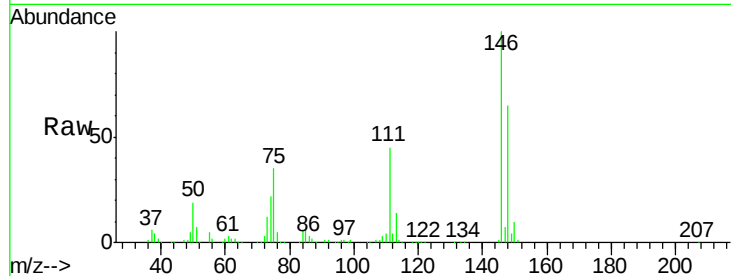
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	274332
Ion Ratio	Lower	Upper	
146	100		
111	44.5	22.4	67.0
148	63.5	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 68.684 ug/l

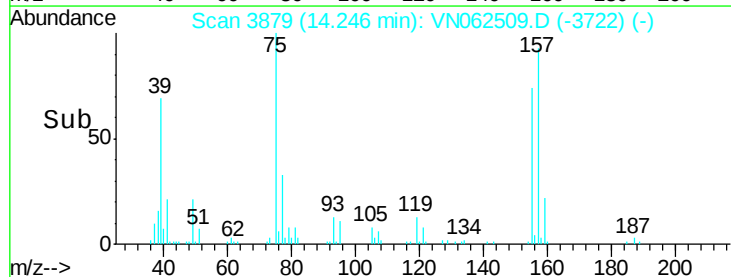
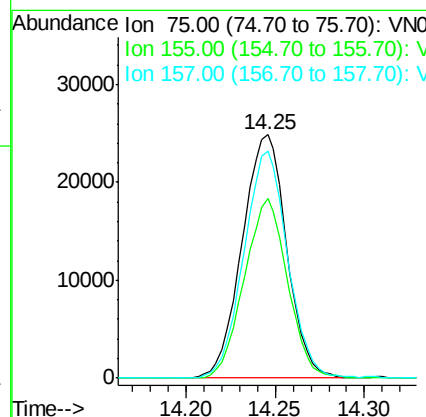
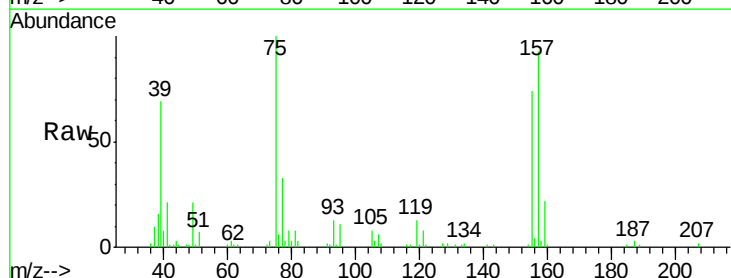
RT: 14.25 min Scan# 3879

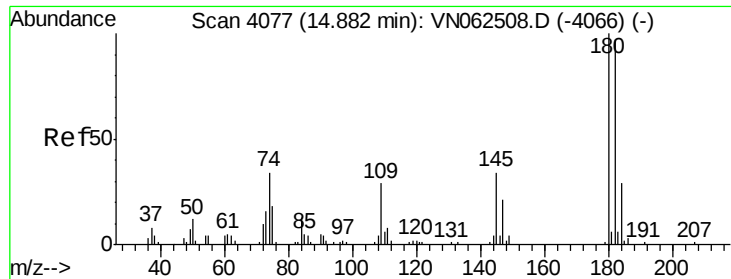
Delta R.T. 0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion:	75	Resp:	43220
Ion Ratio	Lower	Upper	
75	100		
155	71.5	55.7	83.5
157	91.8	71.0	106.6





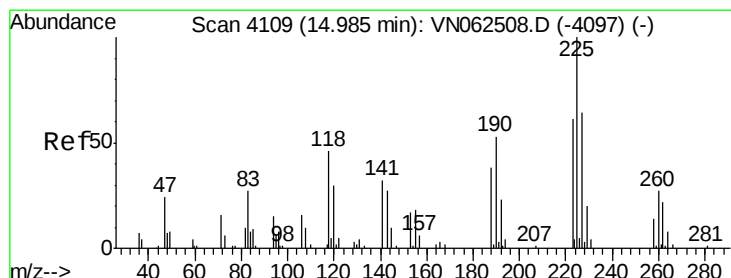
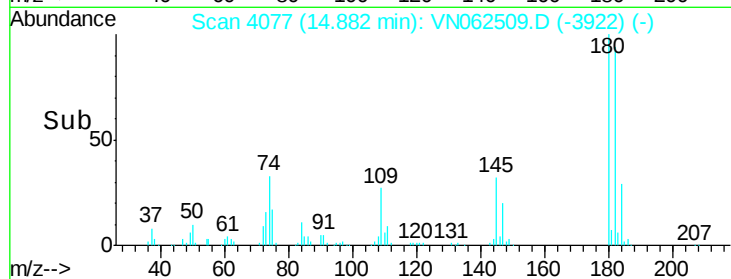
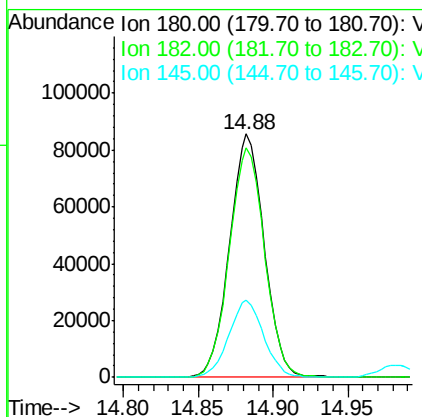
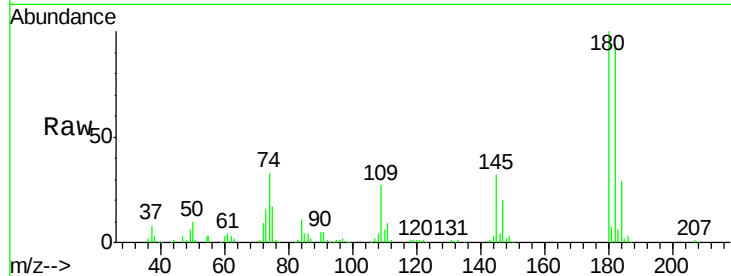
#89
 1,2,4-Trichlorobenzene
 Concen: 45.352 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138075		
182	96.2	77.5	116.3	
145	32.0	26.1	39.1	

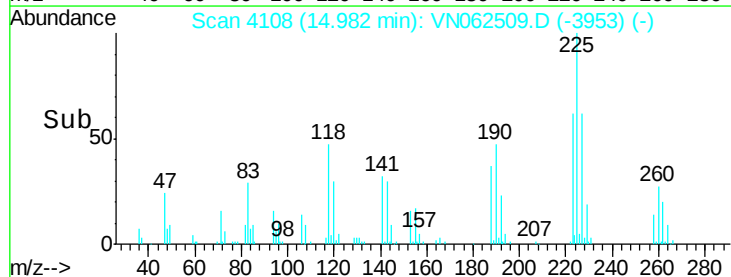
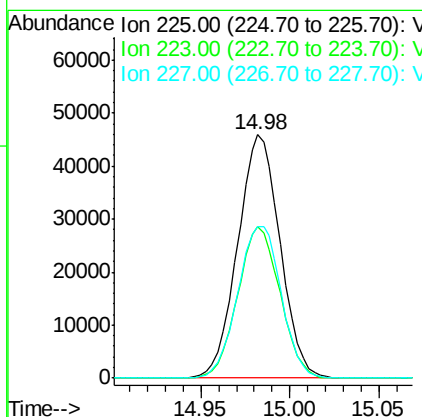
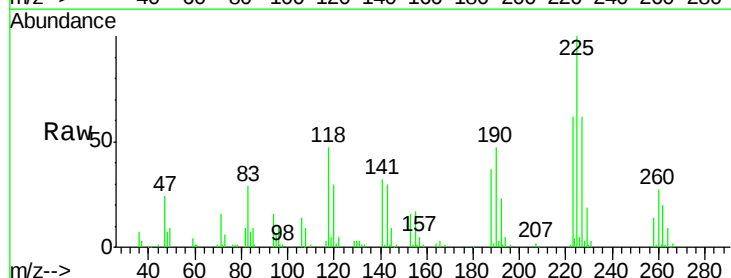
Manual Integrations
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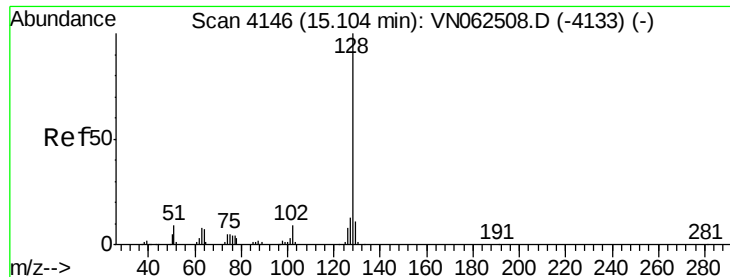
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#90
 Hexachlorobutadiene
 Concen: 55.403 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76195		
223	62.0	0.0	120.4	
227	64.0	0.0	129.6	





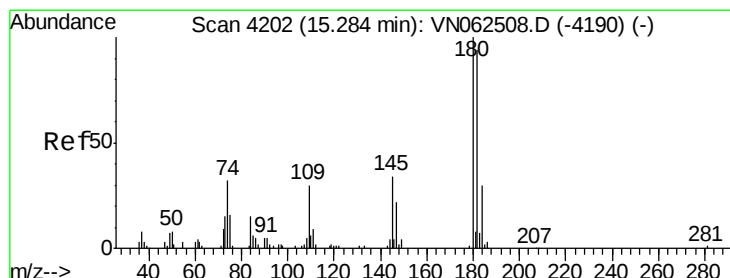
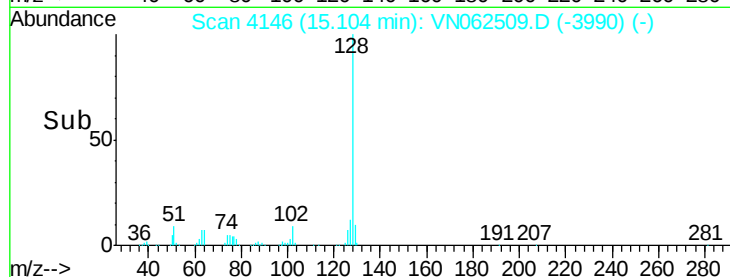
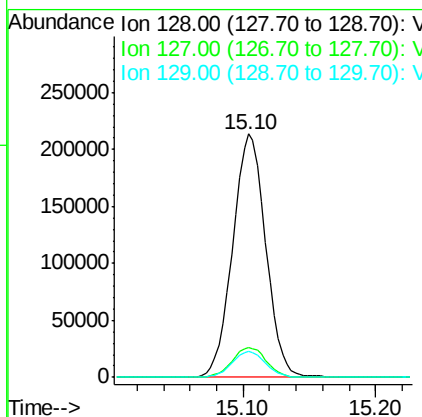
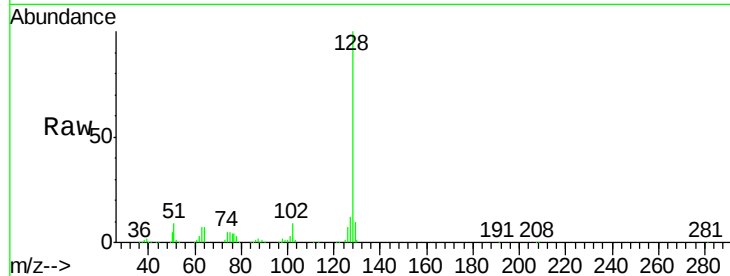
#91
Naphthalene
Concen: 43.854 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:42 AM



#92
1,2,3-Trichlorobenzene
Concen: 46.358 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	187.2
145	32.8	0.0	67.8

