

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061543.D
 Acq On : 28 May 2020 19:42
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

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 5/29/2020 5:46:53 PM

Quant Time: May 29 02:03:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	408236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	653959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	621455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	325224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	725731	123.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	246.02%	
35) Dibromofluoromethane	7.55	113	422700	122.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.48%	
50) Toluene-d8	10.06	98	2446318	153.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.12%	
62) 4-Bromofluorobenzene	12.38	95	911816	154.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	718722	200.619	ug/l	98
3) Chloromethane	2.03	50	680001	123.806	ug/l	99
4) Vinyl Chloride	2.15	62	995016	128.370	ug/l	98
5) Bromomethane	2.50	94	541380	125.856	ug/l	100
6) Chloroethane	2.65	64	606203	116.808	ug/l	99
7) Trichlorofluoromethane	2.97	101	1205188	126.754	ug/l	99
8) Diethyl Ether	3.37	74	376698	135.795	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	556041	140.427	ug/l	98
10) Methyl Iodide	3.91	142	827959	165.477	ug/l	99
11) Tert butyl alcohol	4.73	59	477787	699.527	ug/l	99
12) 1,1-Dichloroethene	3.69	96	584333	139.951	ug/l	96
13) Acrolein	3.56	56	128404	263.864	ug/l	97
14) Allyl chloride	4.27	41	712679	109.312	ug/l	98
15) Acrylonitrile	4.93	53	1346127	664.176	ug/l	99
16) Acetone	3.77	43	996703	550.956	ug/l	99
17) Carbon Disulfide	4.00	76	1235760	120.585	ug/l	98
18) Methyl Acetate	4.27	43	621210	133.328	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	2002039	128.858	ug/l	99
20) Methylene Chloride	4.50	84	646666	130.970	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	673417	141.465	ug/l	96
22) Diisopropyl ether	5.90	45	1727877	117.552	ug/l	98
23) Vinyl Acetate	5.84	43	6600514	564.830	ug/l	96
24) 1,1-Dichloroethane	5.80	63	1068425	123.494	ug/l	99
25) 2-Butanone	6.79	43	1639406	610.768	ug/l	99
26) 2,2-Dichloropropane	6.77	77	923779	112.650	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	765454	136.316	ug/l	100
28) Bromochloromethane	7.15	49	421813	117.897	ug/l	97
29) Tetrahydrofuran	7.16	42	1097433	617.377	ug/l	99
30) Chloroform	7.33	83	1202085	132.300	ug/l	99
31) Cyclohexane	7.61	56	941002	114.409	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	1097003	131.964	ug/l	99
36) 1,1-Dichloropropene	7.75	75	878750	145.844	ug/l	99
37) Ethyl Acetate	6.88	43	720038	132.045	ug/l	98
38) Carbon Tetrachloride	7.73	117	911364	163.490	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1093394	148.227	ug/l	98
40) Benzene	8.00	78	2661544	146.316	ug/l	100
41) Methacrylonitrile	7.12	41	299463	133.572	ug/l	98
42) 1,2-Dichloroethane	8.09	62	883581	136.252	ug/l	100
43) Isopropyl Acetate	8.13	43	1269333	134.499	ug/l	100
44) Trichloroethene	8.80	130	846985	172.141	ug/l	94
45) 1,2-Dichloropropane	9.08	63	630836	139.574	ug/l	99
46) Dibromomethane	9.18	93	489383	152.266	ug/l	97
47) Bromodichloromethane	9.37	83	983557	146.788	ug/l	99
48) Methyl methacrylate	9.17	41	562563	129.813	ug/l	98
49) 1,4-Dioxane	9.17	88	179772	3312.997	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3484974	676.760	ug/l	96
52) Toluene	10.13	92	1797353	153.375	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	1089876	149.094	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	1147761	146.903	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	694550	156.196	ug/l	96
56) Ethyl methacrylate	10.40	69	1055279	153.681	ug/l	100
57) 1,3-Dichloropropane	10.68	76	1122529	147.520	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	2272991	754.633	ug/l	99
59) 2-Hexanone	10.72	43	2598955	697.992	ug/l	98
60) Dibromochloromethane	10.88	129	859636	173.385	ug/l	99
61) 1,2-Dibromoethane	10.98	107	756211	161.309	ug/l	100
64) Tetrachloroethene	10.60	164	921223	185.781	ug/l	99
65) Chlorobenzene	11.41	112	1950762	154.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	740427	162.421	ug/l	99
67) Ethyl Benzene	11.49	91	3263678	143.216	ug/l	94
68) m/p-Xylenes	11.60	106	2690704	308.934	ug/l	88
69) o-Xylene	11.92	106	1301362	154.375	ug/l	97
70) Styrene	11.94	104	2245627	161.175	ug/l	99
71) Bromoform	12.10	173	635726	194.993	ug/l #	99
73) Isopropylbenzene	12.22	105	3286083	128.577	ug/l	97
74) N-amyl acetate	12.05	43	1152071	125.173	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	904946	128.596	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	819255m	121.005	ug/l	
77) Bromobenzene	12.50	156	908096	159.391	ug/l	98
78) n-propylbenzene	12.57	91	3636802	125.630	ug/l	96
79) 2-Chlorotoluene	12.65	91	2248666	130.941	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	2825153	134.895	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	353742	137.496	ug/l	99
82) 4-Chlorotoluene	12.75	91	2380763	133.926	ug/l	99
83) tert-Butylbenzene	12.97	119	2478566	137.763	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	2844279	135.726	ug/l	96
85) sec-Butylbenzene	13.15	105	3175077	131.396	ug/l	98
86) p-Isopropyltoluene	13.26	119	2973849	137.759	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	1610093	155.677	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1627485	157.170	ug/l	99
89) n-Butylbenzene	13.59	91	2576099	133.089	ug/l	98
90) Hexachloroethane	13.85	117	372235	132.241	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	1519162	153.105	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	192691	135.531	ug/l	95

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ClientSampleId :
VSTDICC150

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	993015	182.865	ug/l	100
94) Hexachlorobutadiene	14.99	225	384373	160.862	ug/l	100
95) Naphthalene	15.10	128	2956511	171.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	961243	177.219	ug/l	99

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

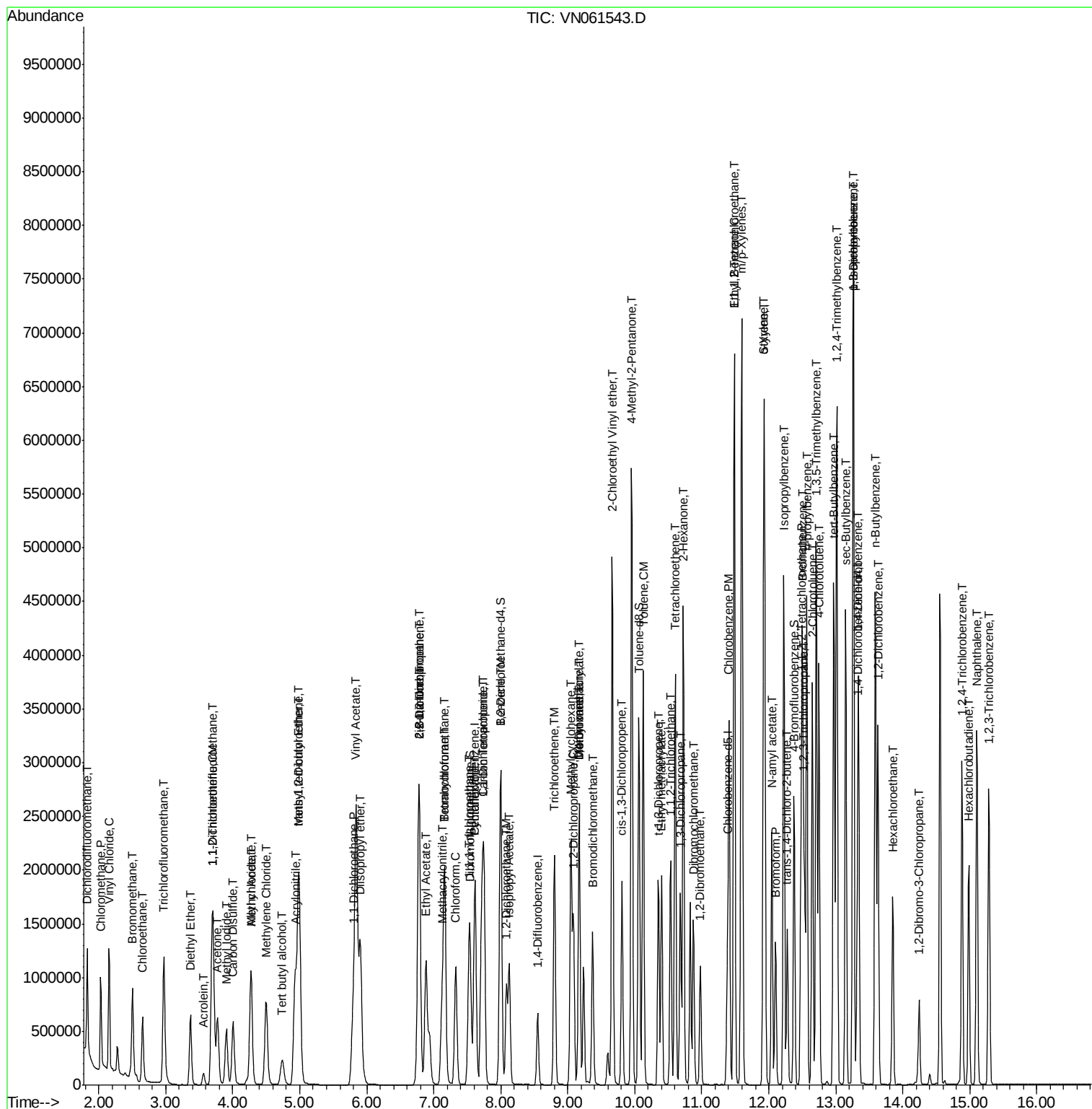
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Data File : VN061543.D
Acq On : 28 May 2020 19:42
Operator : JC/MD
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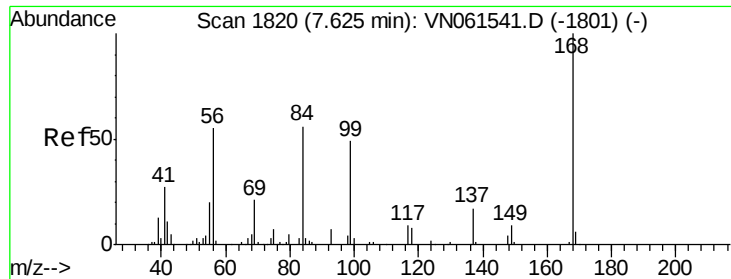
Instrument :
MSVOA_N
Client Sample ID :
VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 408236

Ion Ratio Lower Upper

168 100

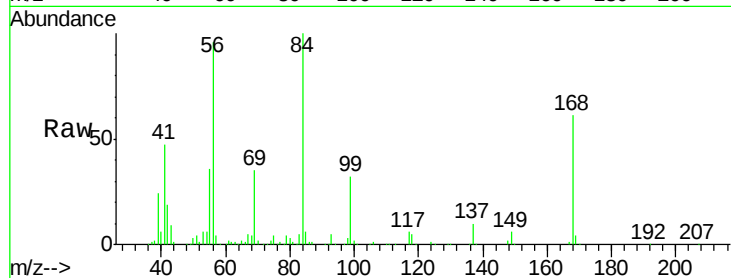
99 52.2 45.0 67.4

Manual Integrations

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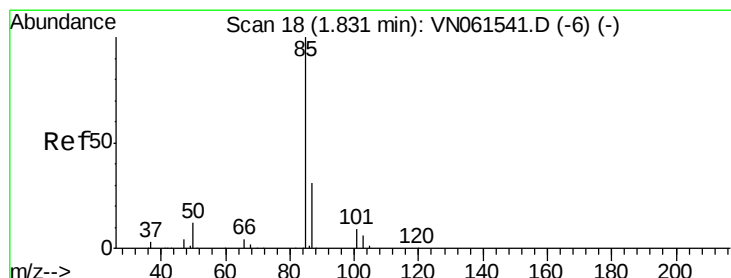
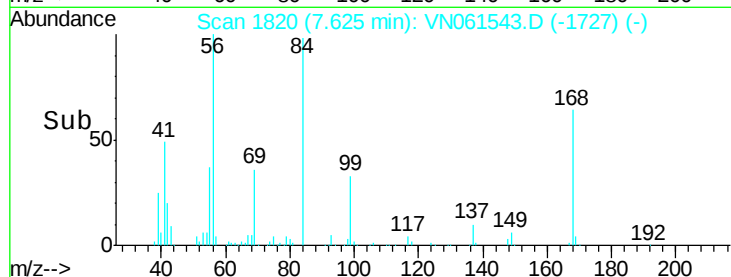
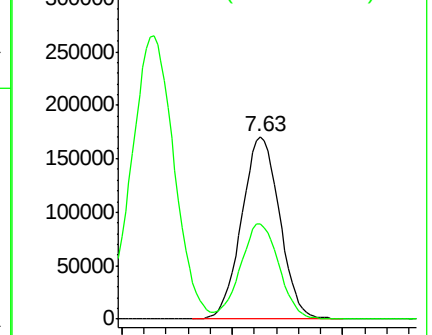
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 200.619 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061543.D

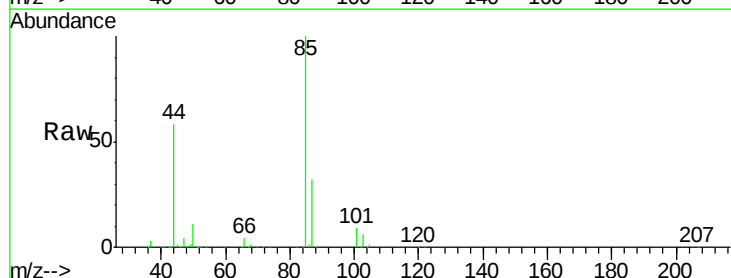
Acq: 28 May 2020 19:42

Tgt Ion: 85 Resp: 718722

Ion Ratio Lower Upper

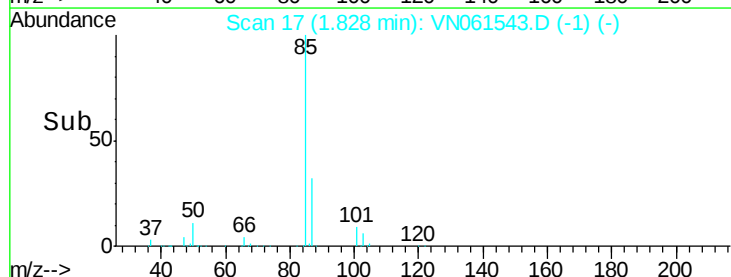
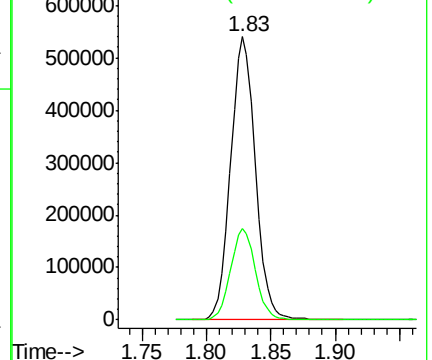
85 100

87 32.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 123.806 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampled :

VSTDICC150

Tot Ion: 50 Resp: 680001

Ion Ratio Lower Upper

50 100

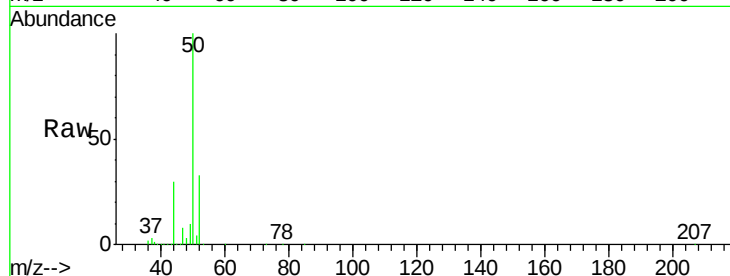
52 33.0 26.7 40.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

500000

400000

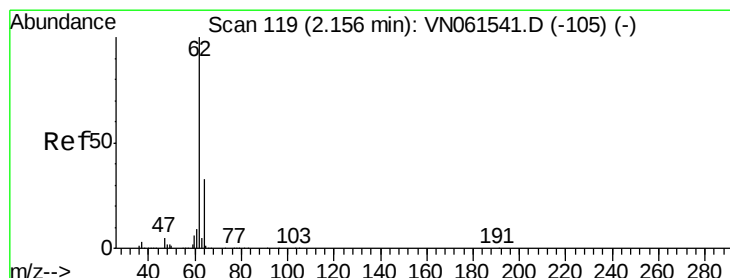
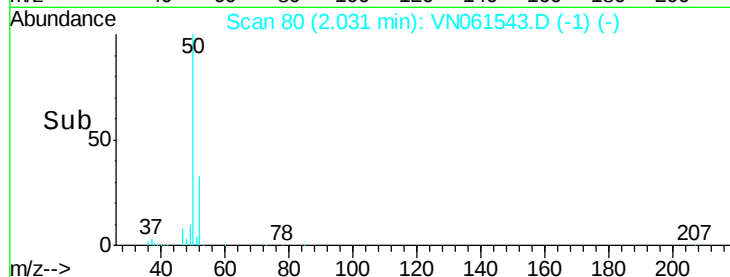
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 128.370 ug/l

RT: 2.15 min Scan# 118

Delta R.T. -0.00 min

Lab File: VN061543.D

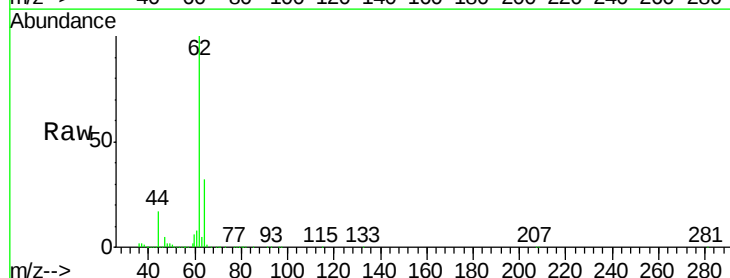
Acq: 28 May 2020 19:42

Tgt Ion: 62 Resp: 995016

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.15

800000

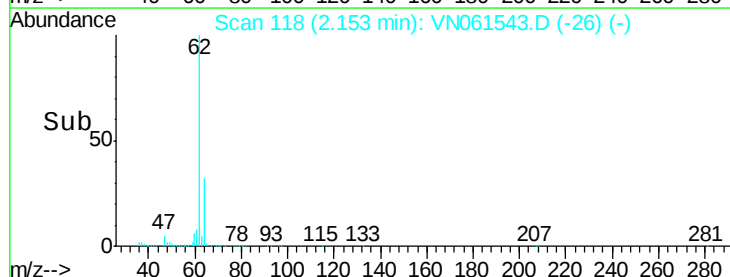
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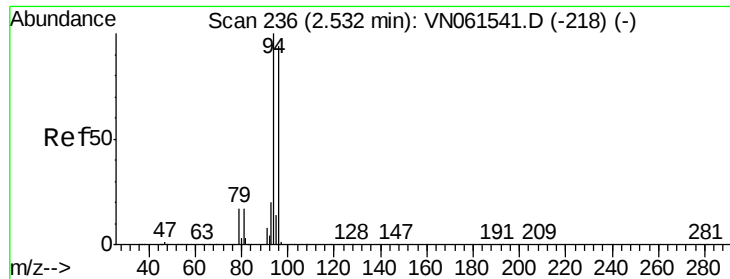
400000

200000

0

Time-->





#5

Bromomethane

Concen: 125.856 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.03 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 541380

Ion Ratio Lower Upper

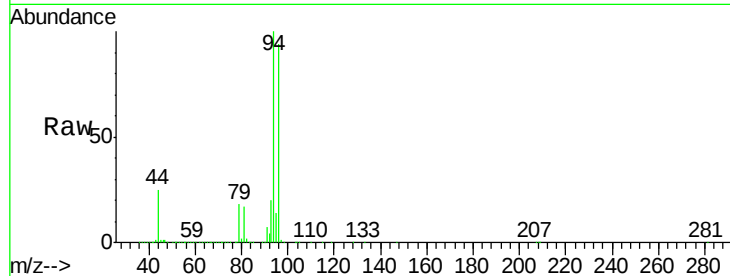
94 100

96 93.6 74.8 112.2

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.50

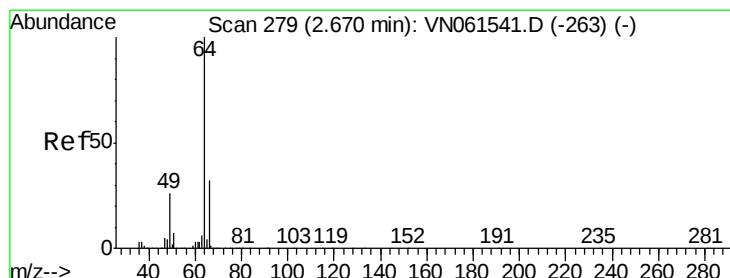
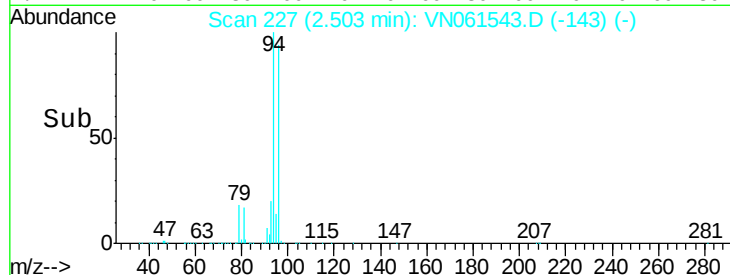
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 116.808 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.02 min

Lab File: VN061543.D

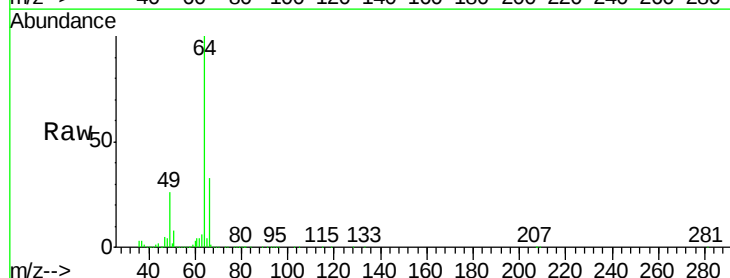
Acq: 28 May 2020 19:42

Tgt Ion: 64 Resp: 606203

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.65

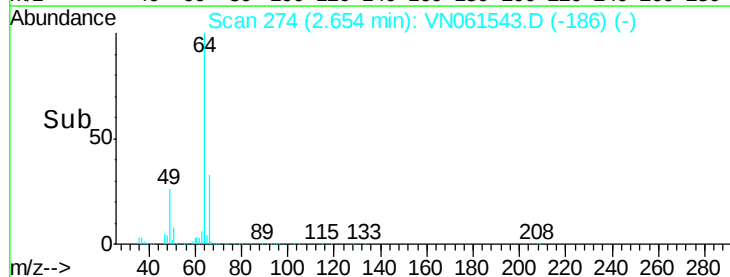
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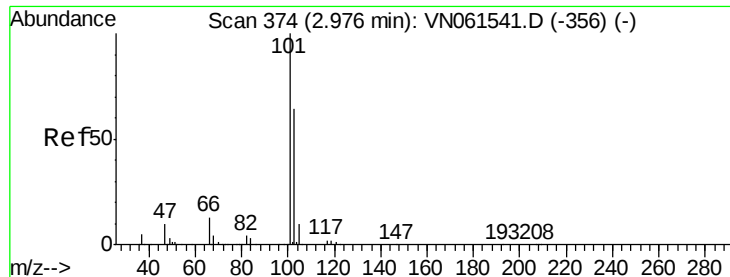
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100000

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Time-->





#7

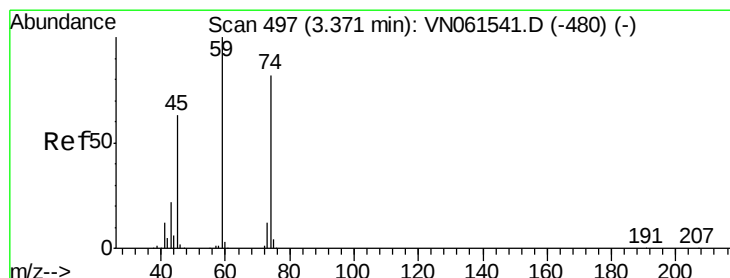
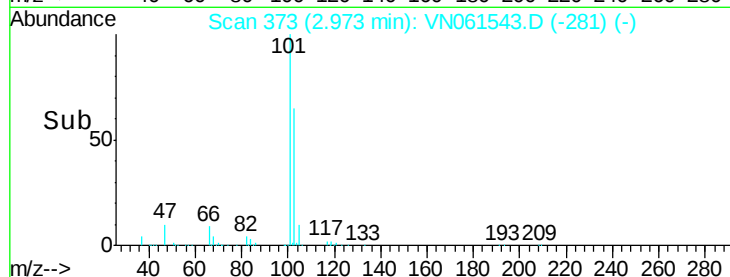
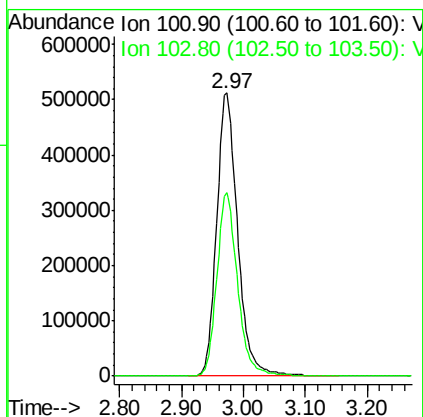
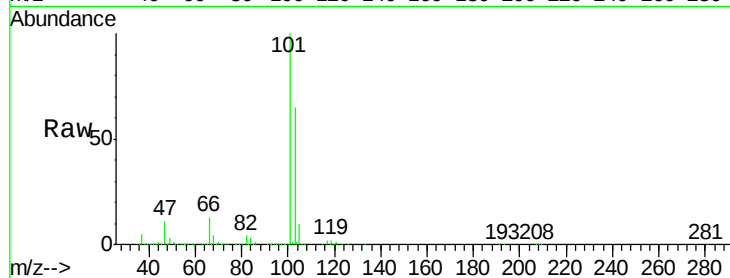
Trichlorofluoromethane
 Concen: 126.754 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

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 VSTDIC150

Tot Ion:101 Resp: 1205188
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.2

Manual Integrations
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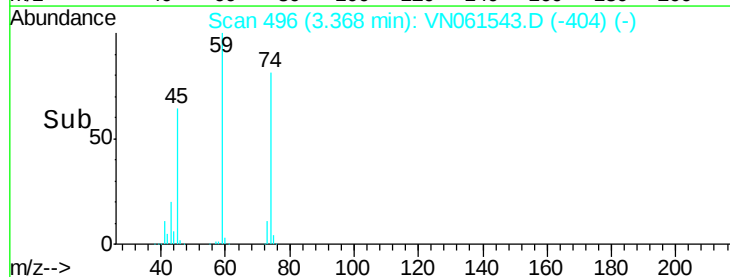
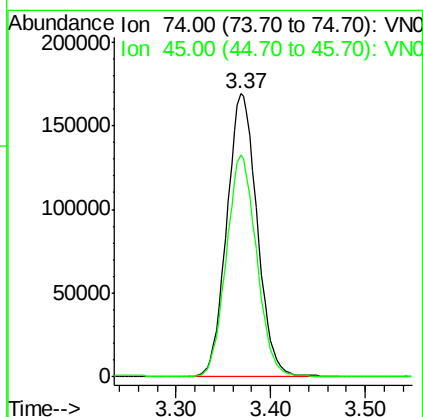
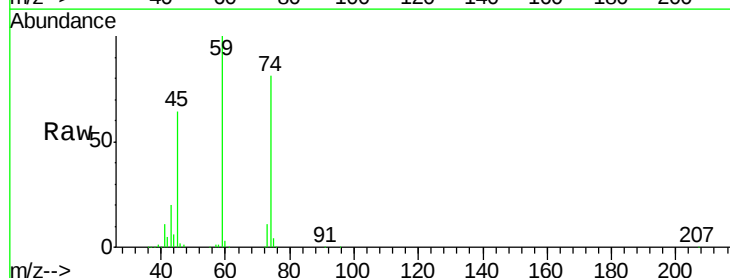
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 5/29/2020 5:46:53 PM



#8

Diethyl Ether
 Concen: 135.795 ug/l
 RT: 3.37 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion: 74 Resp: 376698
 Ion Ratio Lower Upper
 74 100
 45 78.2 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.427 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

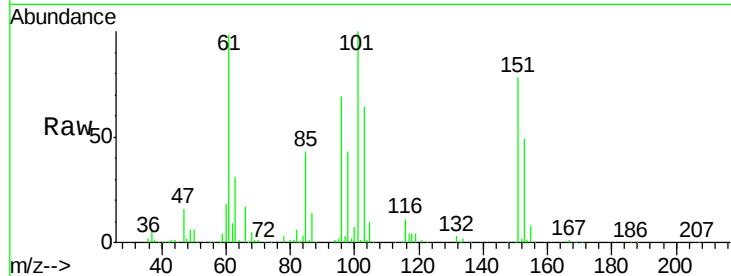
ClientSampleId :

VSTDIC150

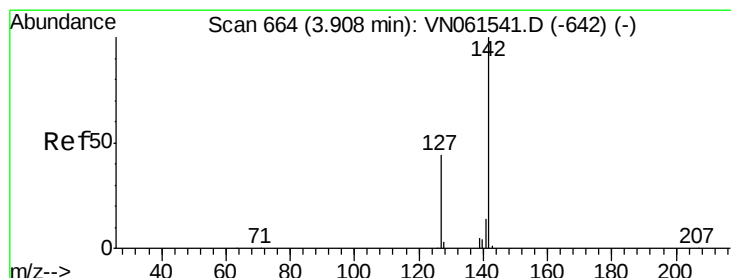
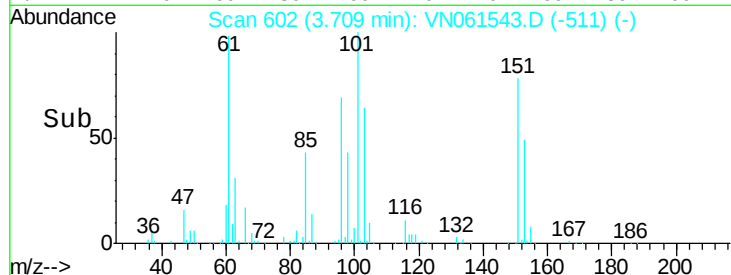
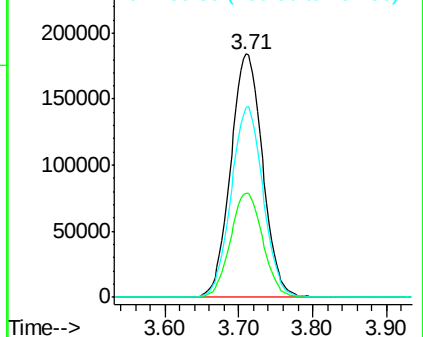
Tot Ion:	101	Resp:	556041
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.2	52.8
151	78.2	61.0	91.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 165.477 ug/l

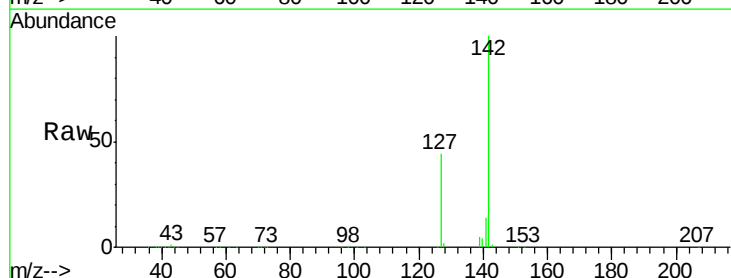
RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

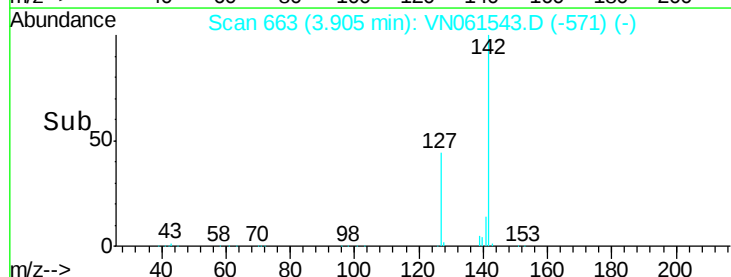
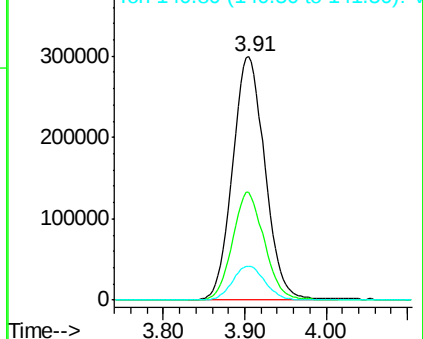
Lab File: VN061543.D

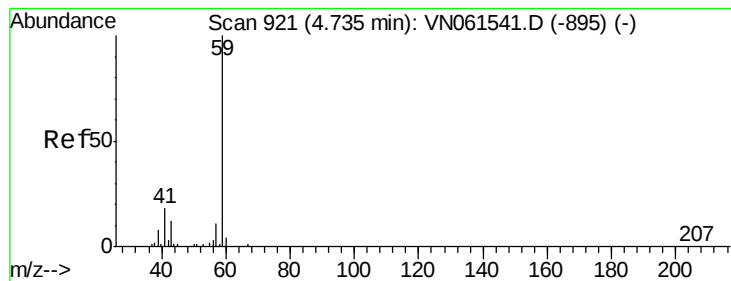
Acq: 28 May 2020 19:42

Tgt Ion:	142	Resp:	827959
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.5	53.3
141	14.1	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

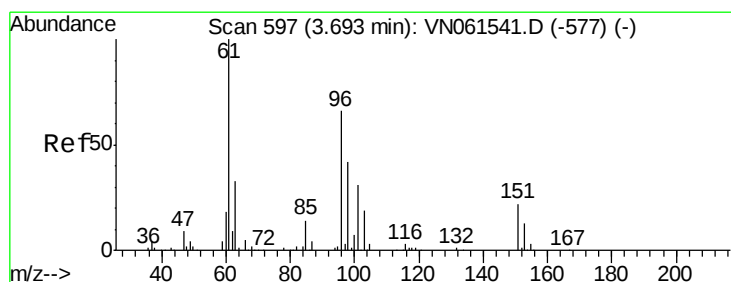
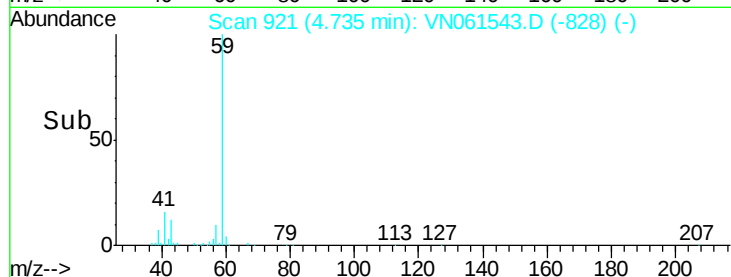
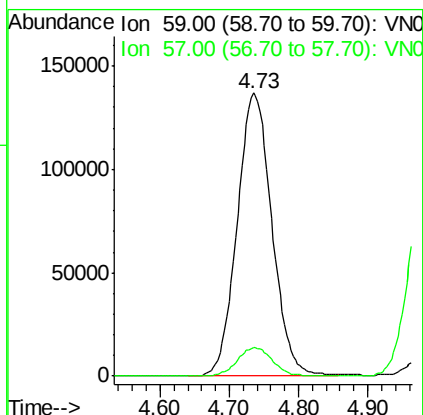
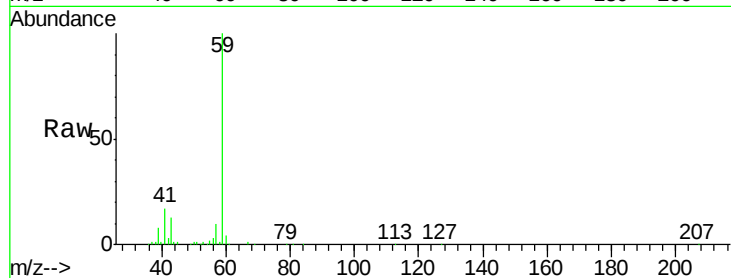
Tert butyl alcohol
Concen: 699.527 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

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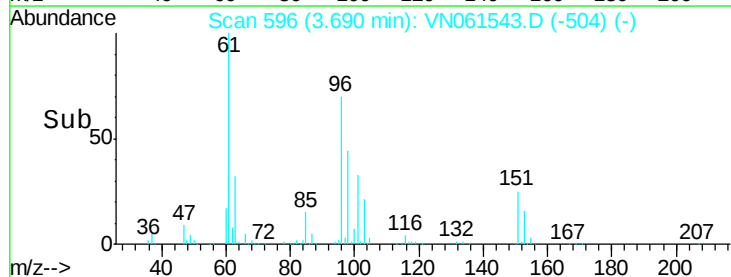
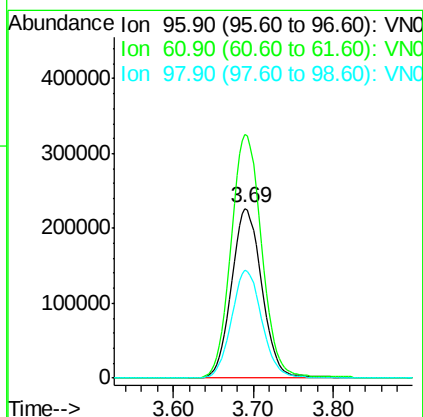
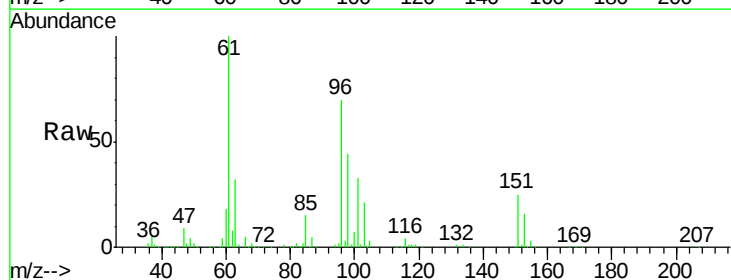
MMDadoda
5/29/2020 5:46:53 PM

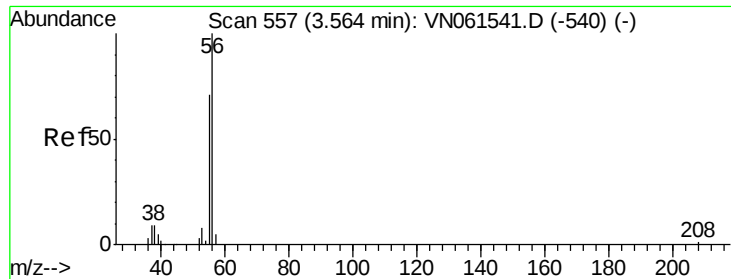


#12

1,1-Dichloroethene
Concen: 139.951 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.4	120.5	180.7
98	63.2	50.8	76.2





#13

Acrolein

Concen: 263.864 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 128404

Ion Ratio Lower Upper

56 100

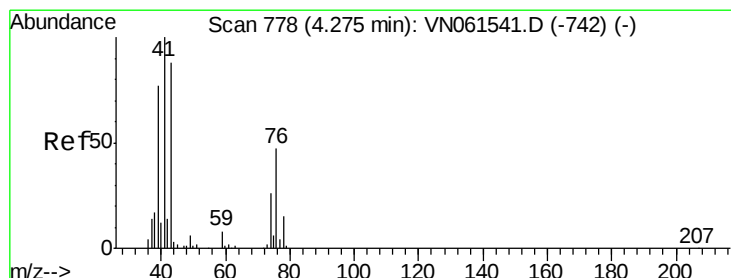
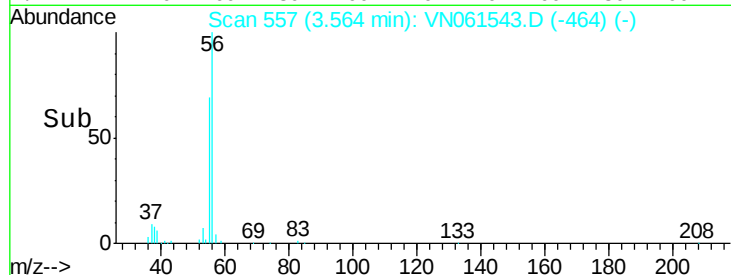
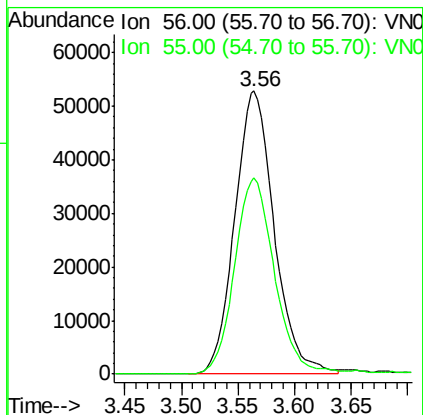
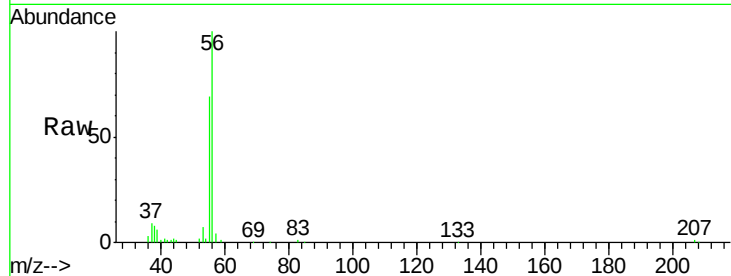
55 69.8 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 109.312 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

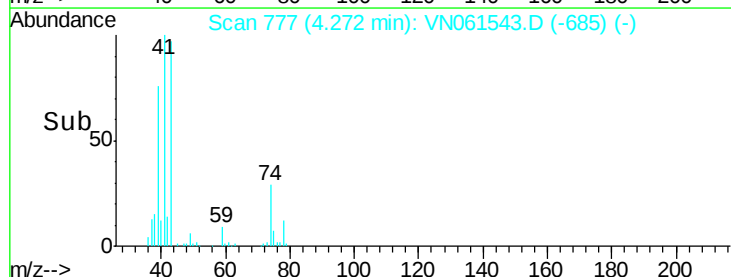
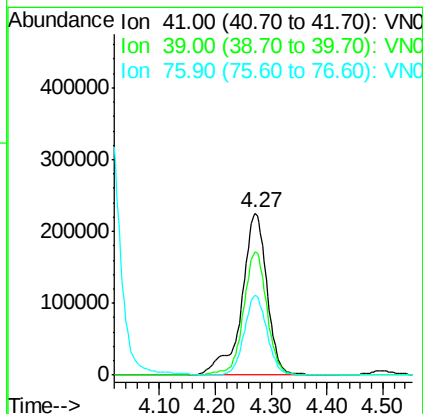
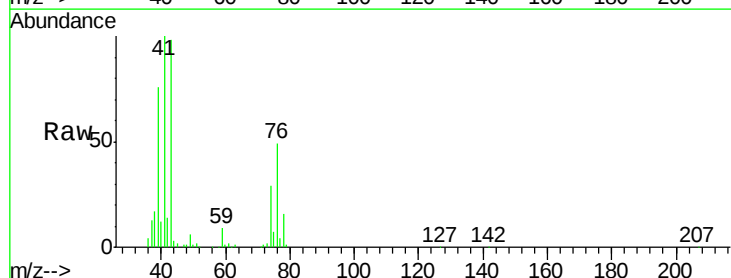
Tgt Ion: 41 Resp: 712679

Ion Ratio Lower Upper

41 100

39 70.4 58.6 88.0

76 43.3 34.2 51.4





#15

Acrylonitrile

Concen: 664.176 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1346127

Ion Ratio Lower Upper

53 100

52 81.5 65.4 98.2

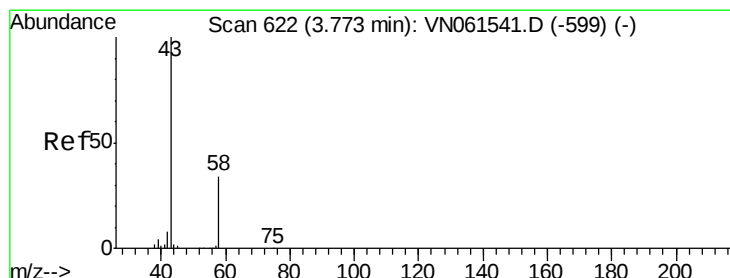
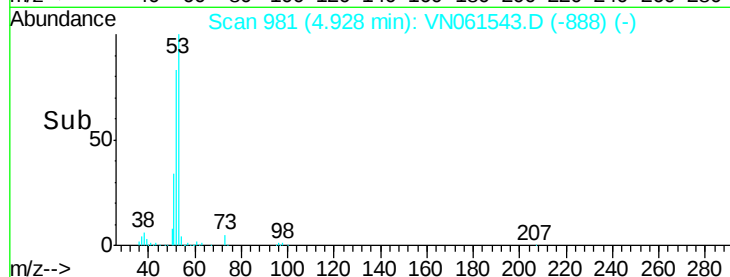
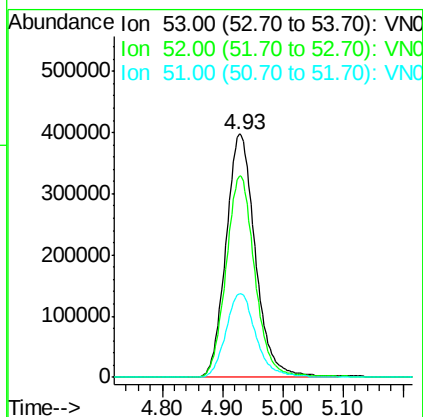
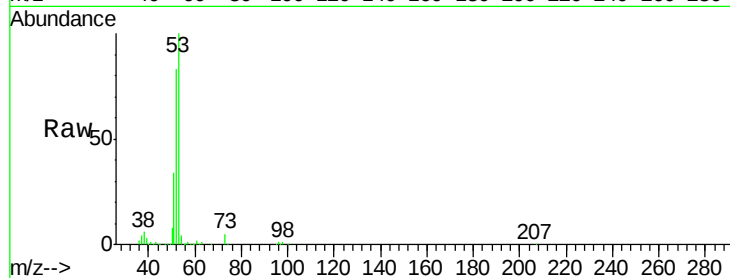
51 35.6 29.0 43.6

Manual Integrations

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#16

Acetone

Concen: 550.956 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061543.D

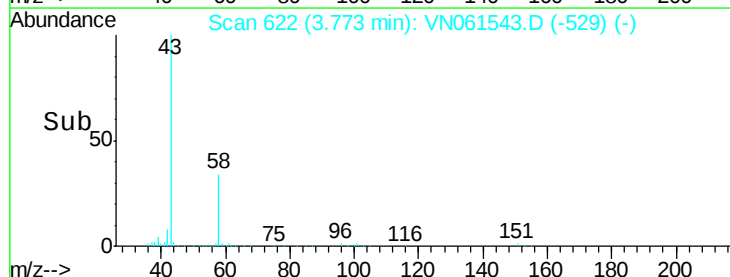
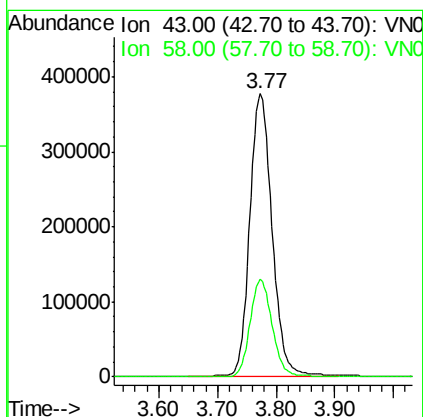
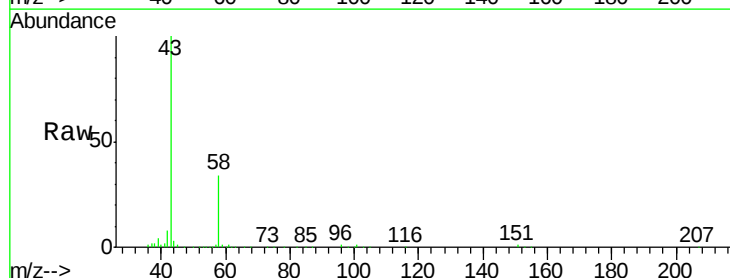
Acq: 28 May 2020 19:42

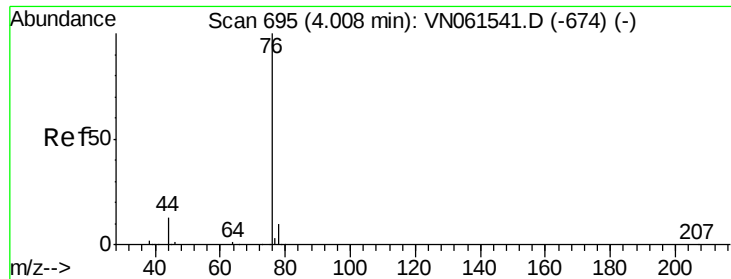
Tgt Ion: 43 Resp: 996703

Ion Ratio Lower Upper

43 100

58 34.4 27.2 40.8





#17

Carbon Disulfide

Concen: 120.585 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1235760

Ion Ratio Lower Upper

76 100

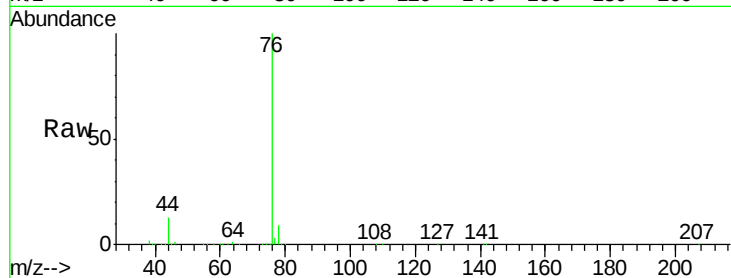
78 8.9 7.8 11.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061543.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN061543.D (-674) (-)

4.00

400000

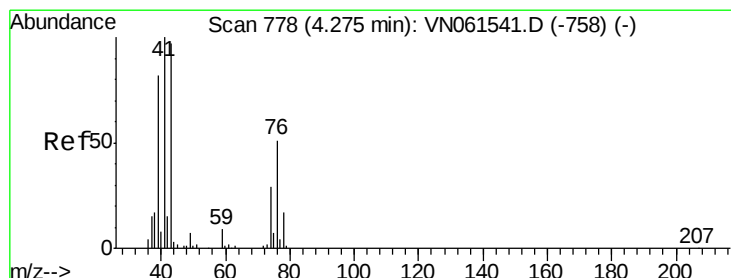
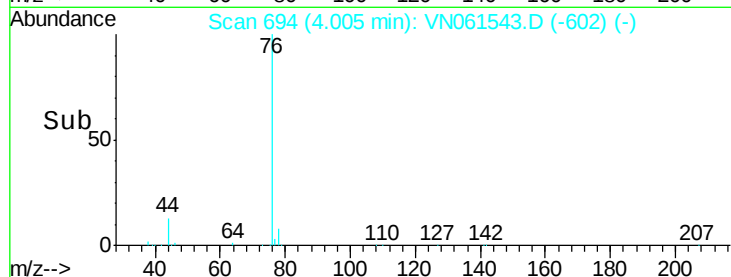
300000

200000

100000

0

Time--> 3.80 4.00 4.20



#18

Methyl Acetate

Concen: 133.328 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061543.D

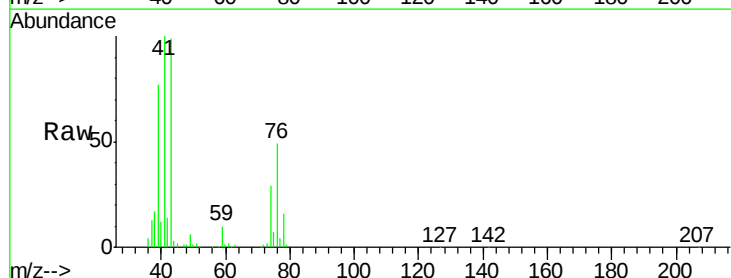
Acq: 28 May 2020 19:42

Tgt Ion: 43 Resp: 621210

Ion Ratio Lower Upper

43 100

74 29.6 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061543.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061543.D (-685) (-)

4.27

250000

200000

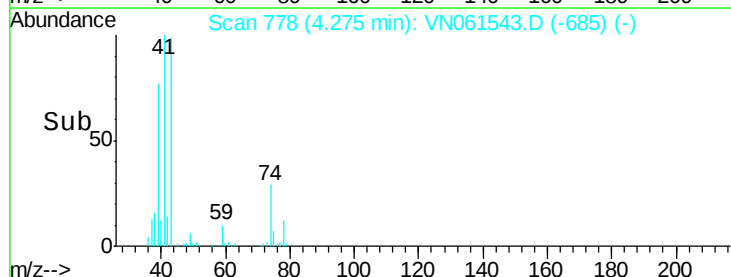
150000

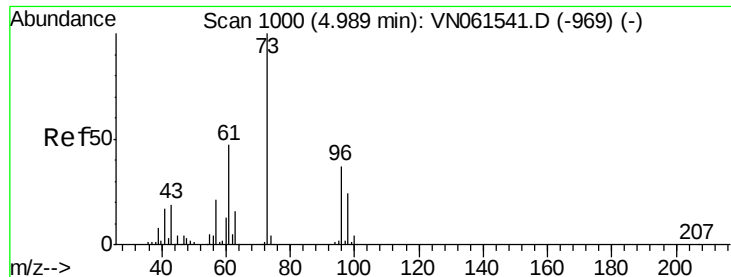
100000

50000

0

Time--> 4.20 4.30 4.40





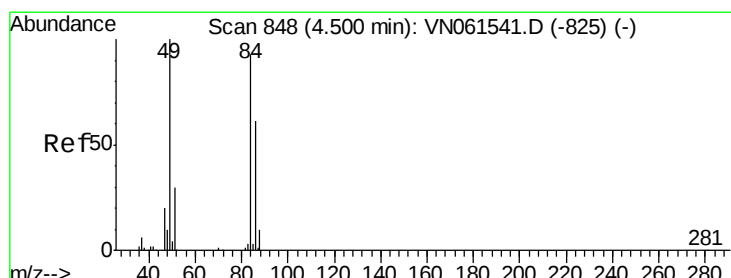
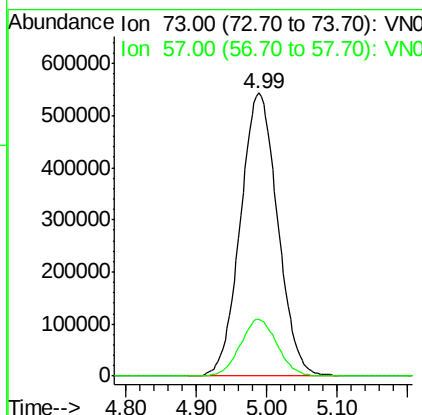
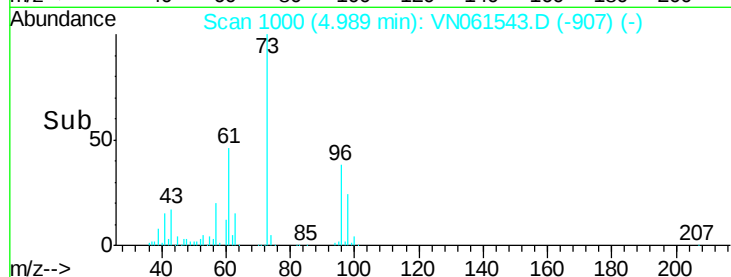
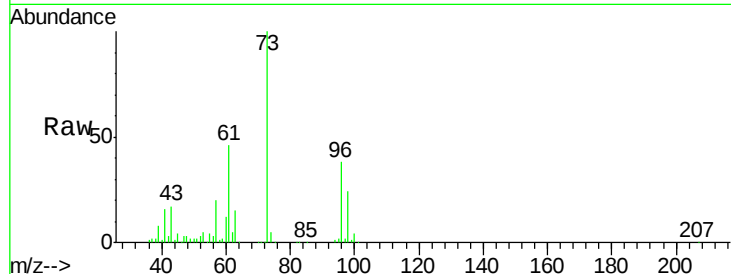
#19
Methvl tert-butvl Ether
Concen: 128.858 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2002039
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6

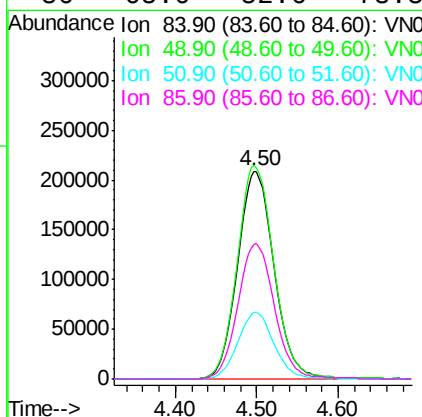
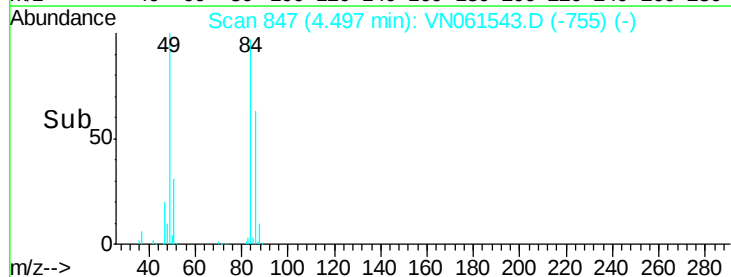
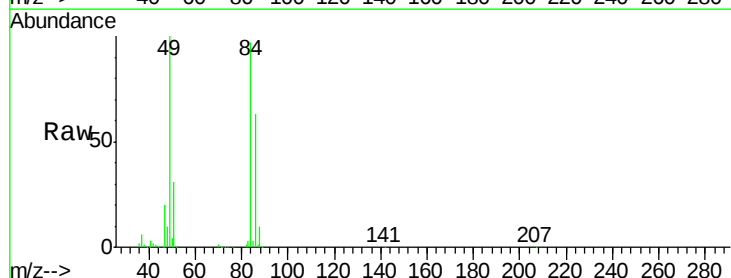
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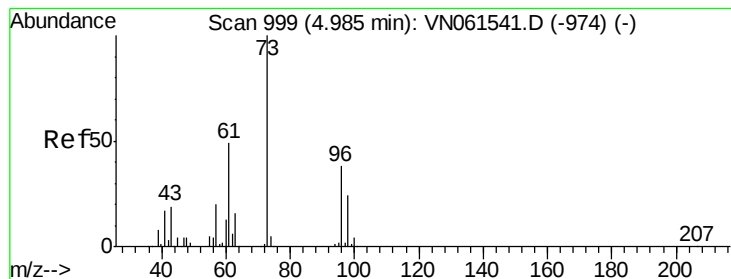
MMDadoda
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#20
Methylene Chloride
Concen: 130.970 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion: 84 Resp: 646666
Ion Ratio Lower Upper
84 100
49 102.9 85.8 128.8
51 31.8 26.2 39.2
86 65.0 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 141.465 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

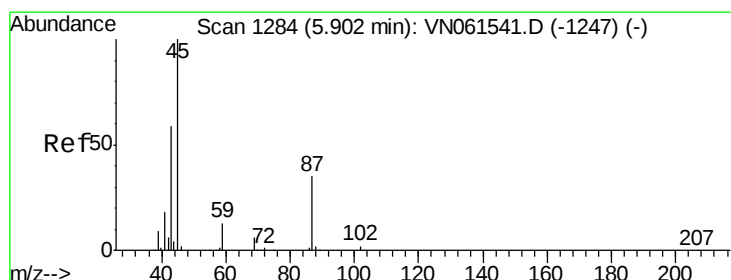
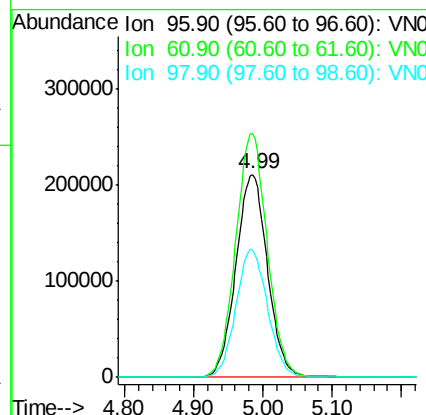
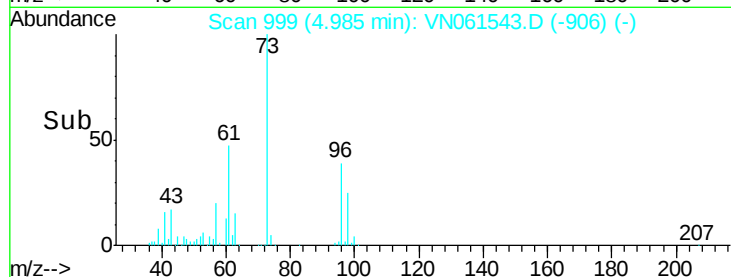
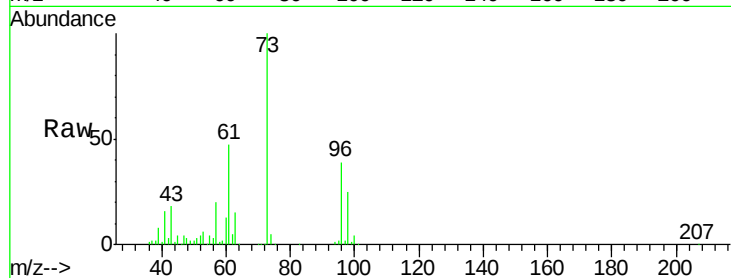
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	673417
Ion	Ratio	Lower	Upper
96	100		
61	120.0	101.4	152.0
98	62.6	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 117.552 ug/l

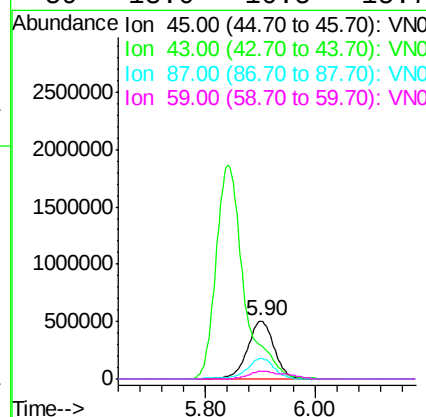
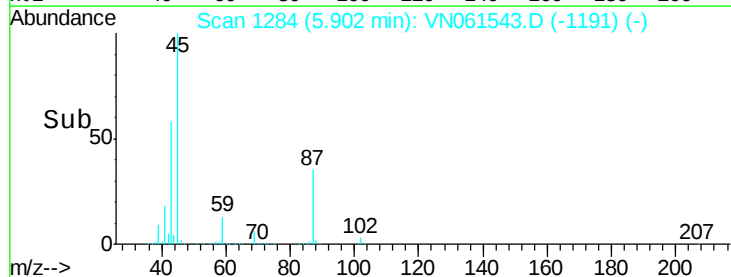
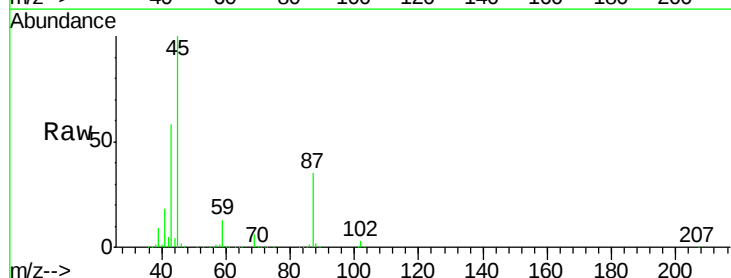
RT: 5.90 min Scan# 1284

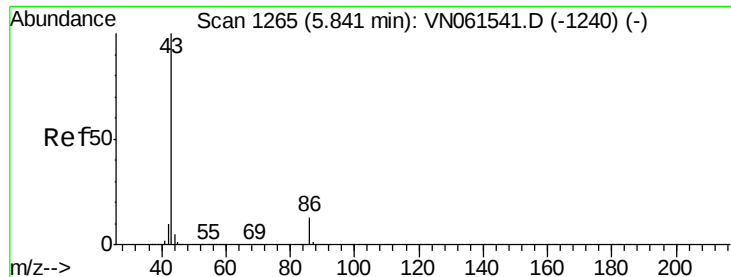
Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Tgt Ion:	45	Resp:	1727877
Ion	Ratio	Lower	Upper
45	100		
43	57.0	47.9	71.9
87	35.1	28.4	42.6
59	13.0	10.5	15.7





#23

Vinyl Acetate

Concen: 564.830 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6600514

Ion Ratio Lower Upper

43 100

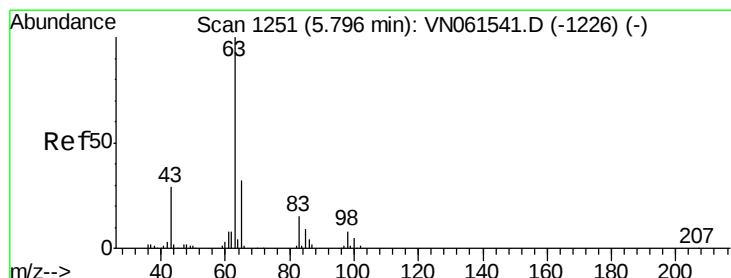
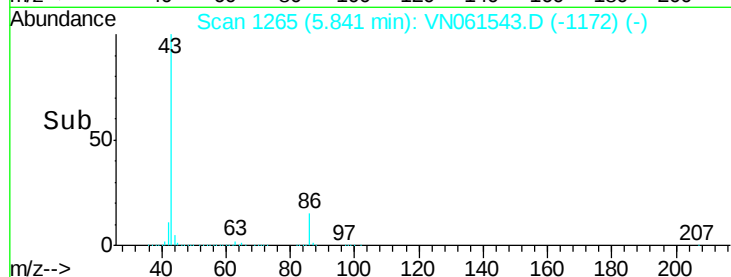
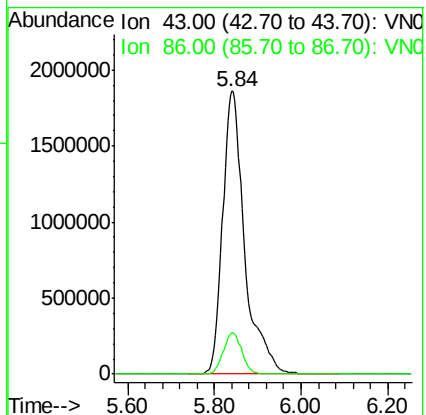
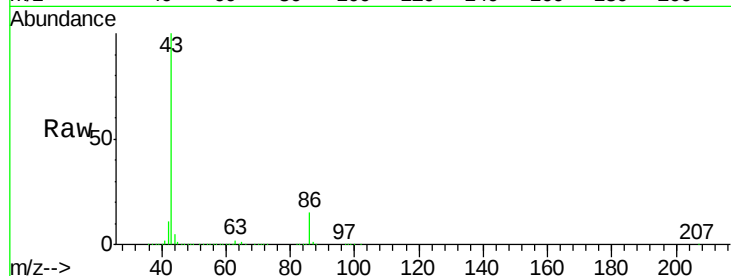
86 14.8 10.6 16.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 123.494 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

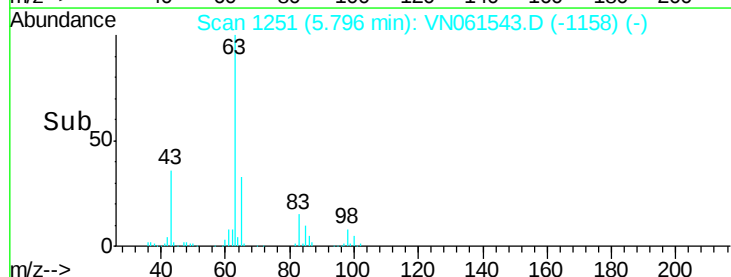
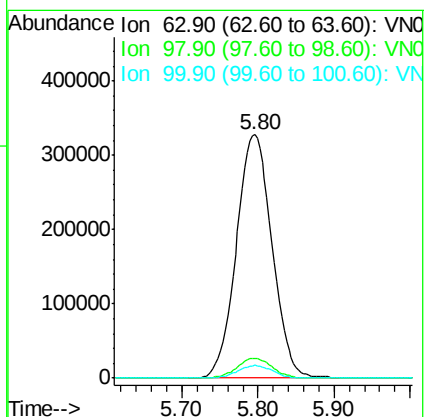
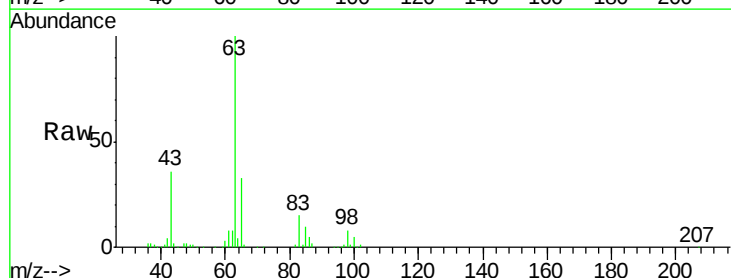
Tgt Ion: 63 Resp: 1068425

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.4

100 5.2 2.5 7.6





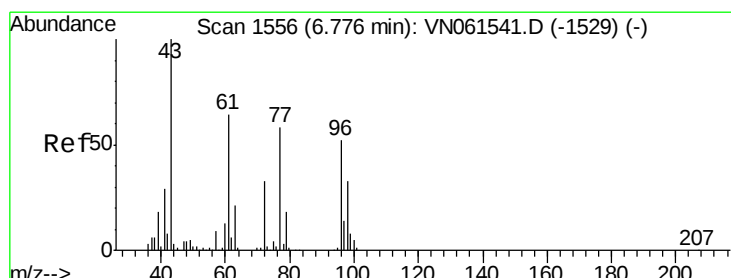
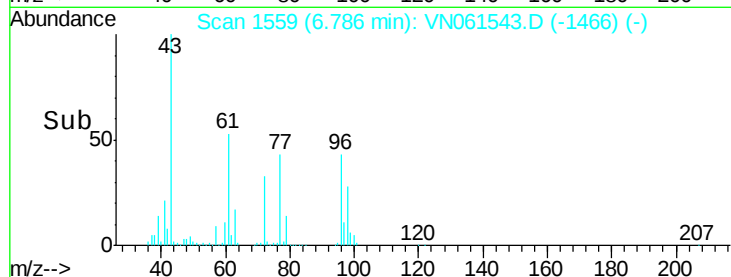
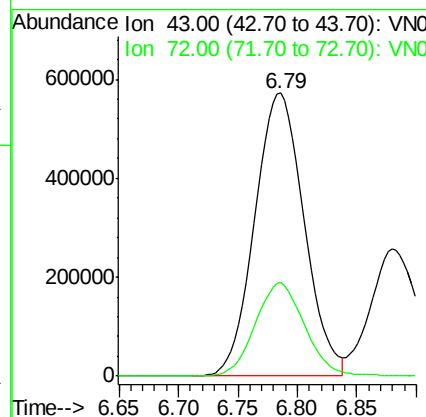
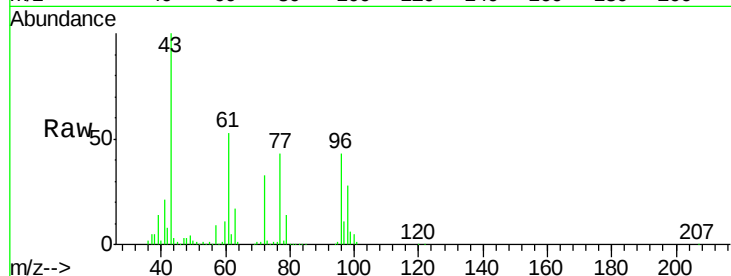
#25
2-Butanone
Concen: 610.768 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1639406
Ion Ratio Lower Upper
43 100
72 33.1 26.0 39.0

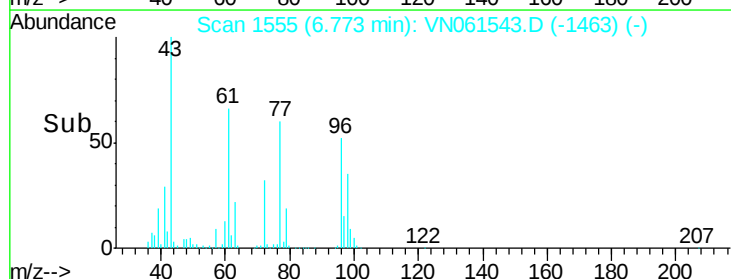
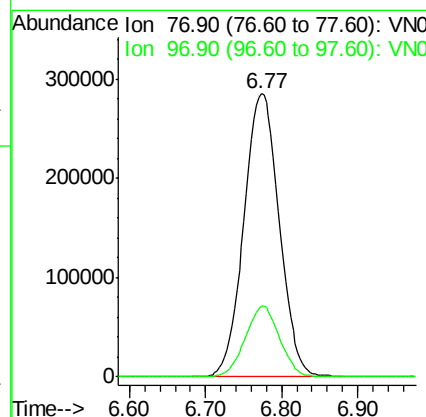
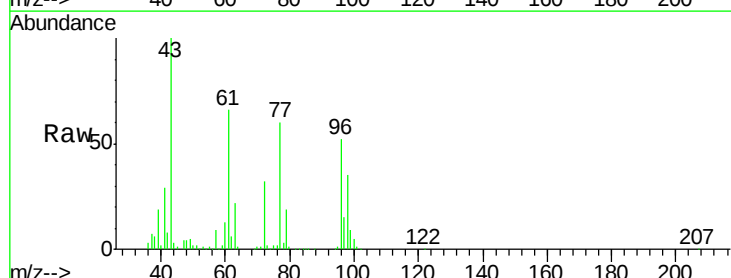
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 112.650 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion: 77 Resp: 923779
Ion Ratio Lower Upper
77 100
97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 136.316 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

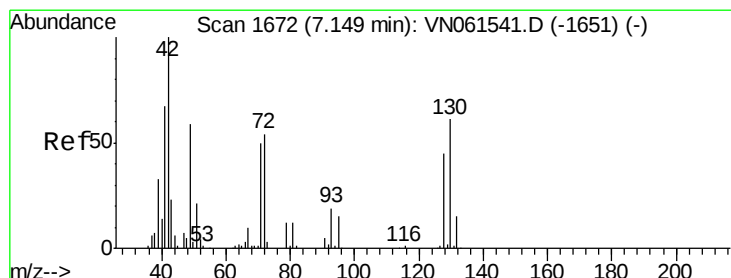
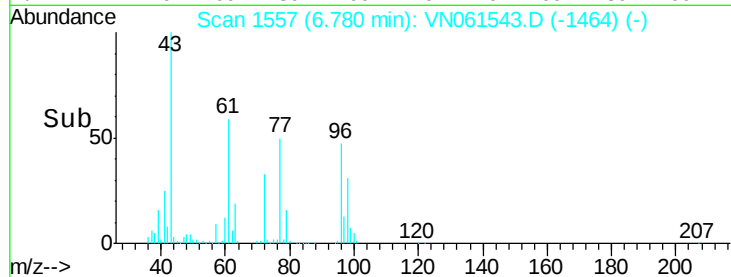
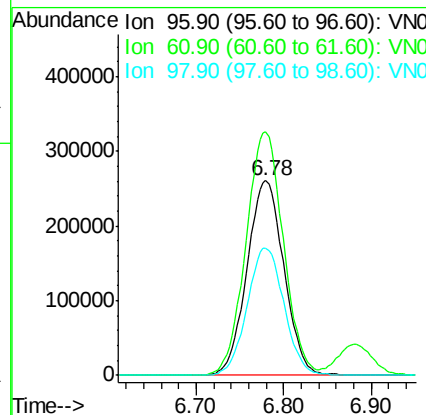
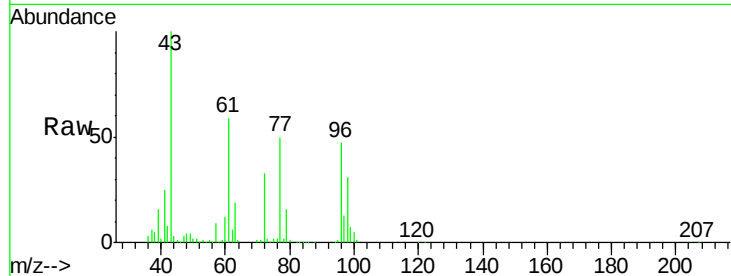
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	765454
Ion	Ratio	Lower	Upper
96	100		
61	126.2	0.0	252.2
98	65.4	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 117.897 ug/l

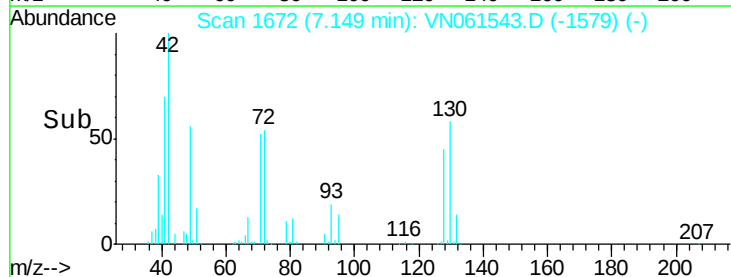
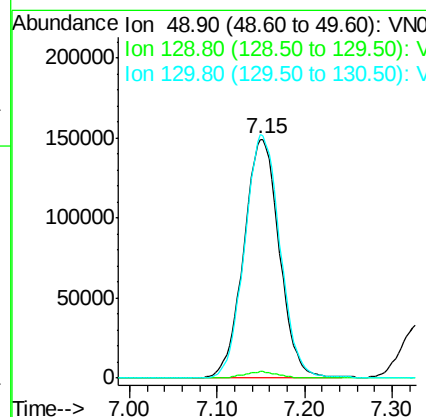
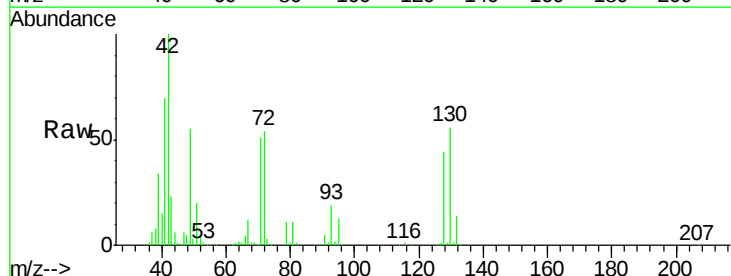
RT: 7.15 min Scan# 1672

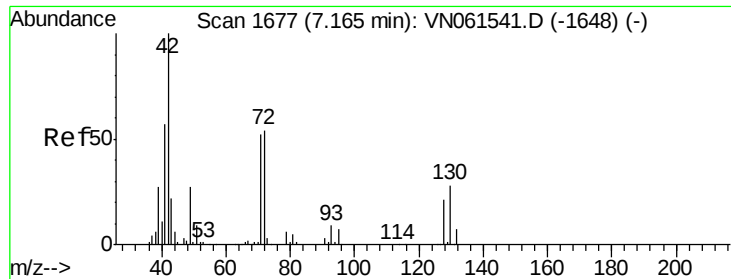
Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Tgt Ion:	49	Resp:	421813
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	101.6	78.8	118.2





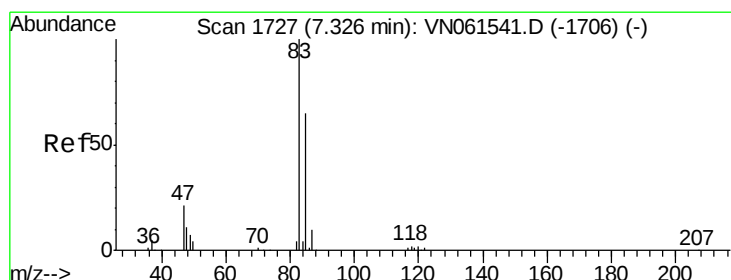
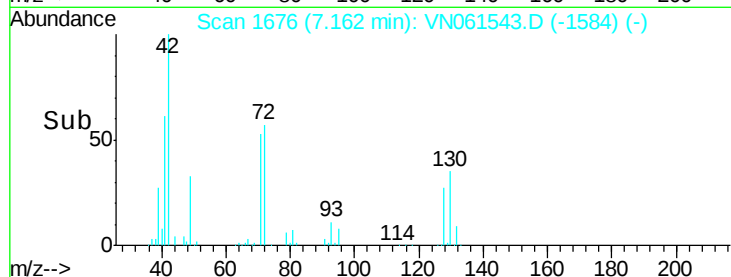
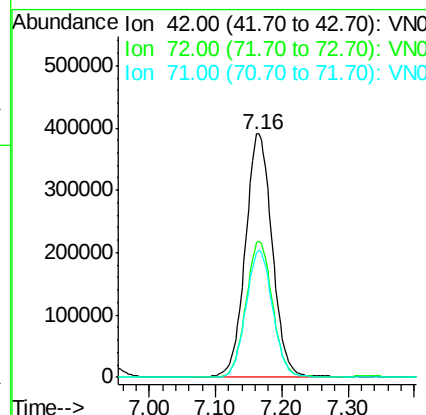
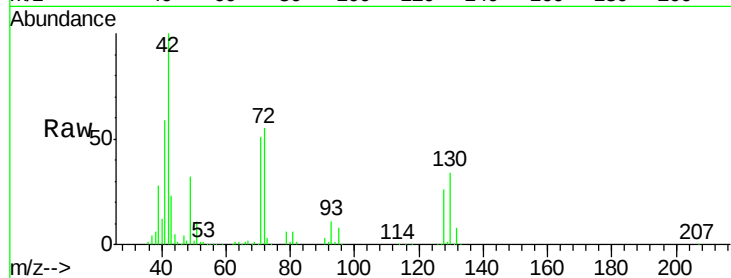
#29
Tetrahydrofuran
Concen: 617.377 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1097433
Ion Ratio Lower Upper
42 100
72 55.0 43.6 65.4
71 51.7 41.2 61.8

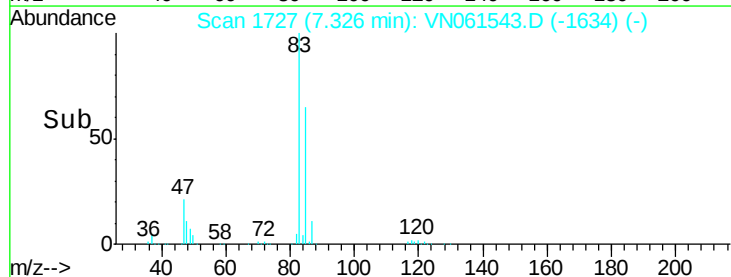
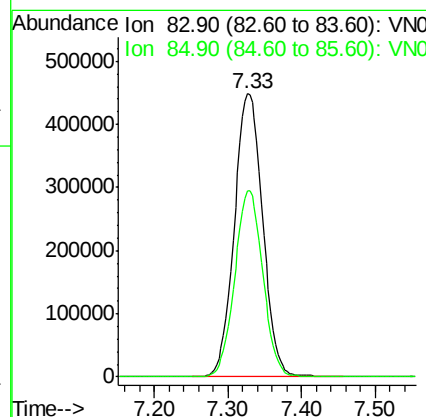
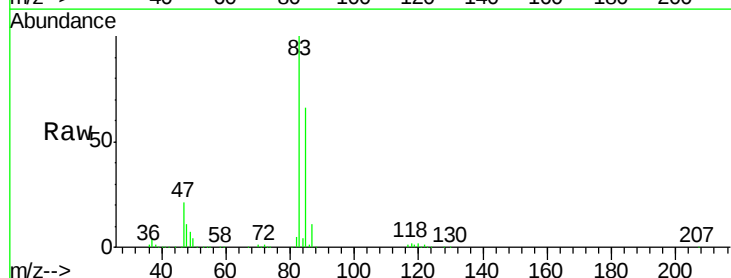
Manual Integrations
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#30
Chloroform
Concen: 132.300 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion: 83 Resp: 1202085
Ion Ratio Lower Upper
83 100
85 65.5 51.7 77.5





#31

Cyclohexane

Concen: 114.409 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 941002

Ion Ratio Lower Upper

56 100

69 34.0 27.8 41.8

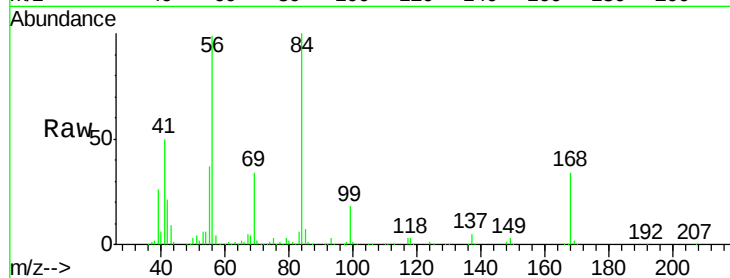
84 99.9 79.9 119.9

Manual Integrations

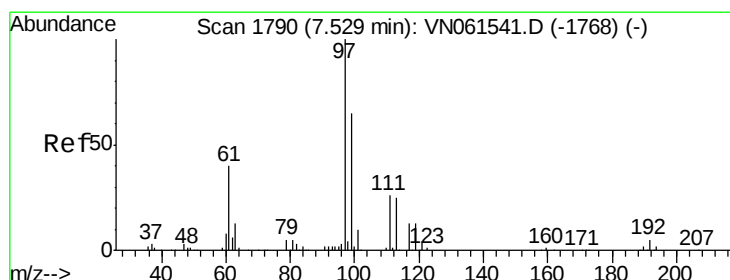
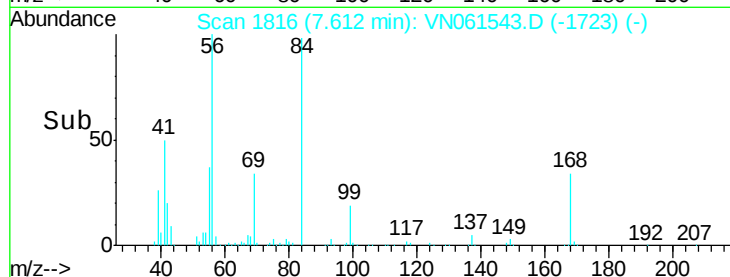
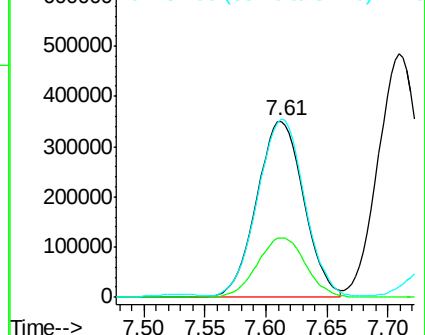
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 131.964 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

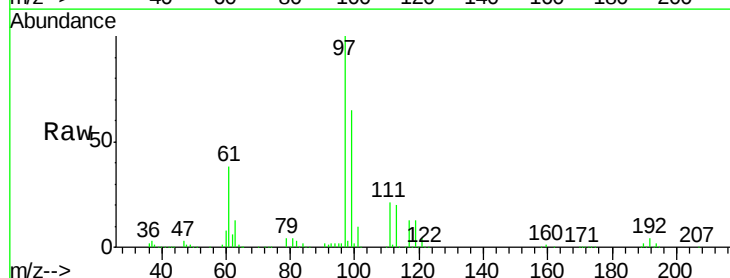
Tgt Ion: 97 Resp: 1097003

Ion Ratio Lower Upper

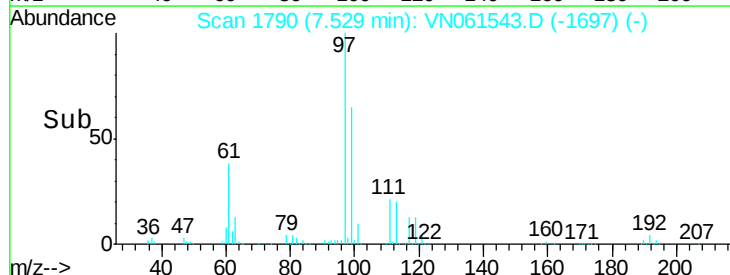
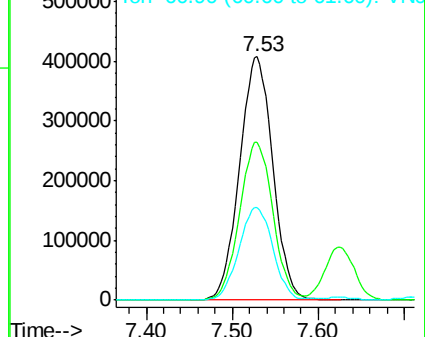
97 100

99 64.9 51.4 77.0

61 38.8 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





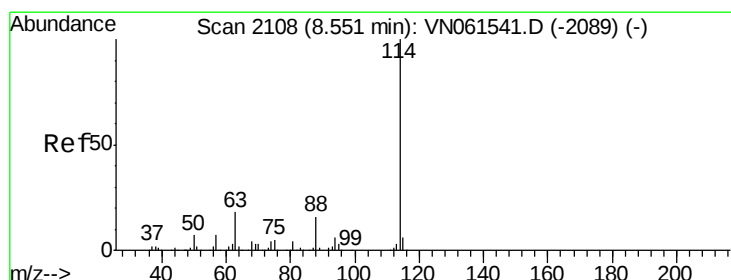
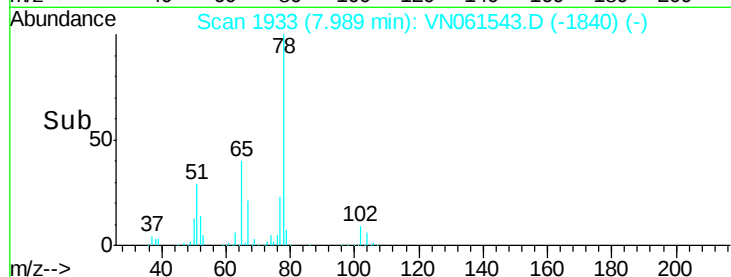
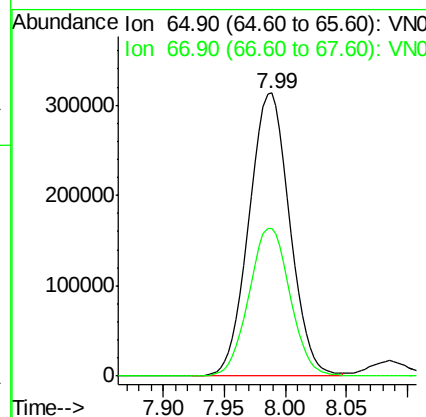
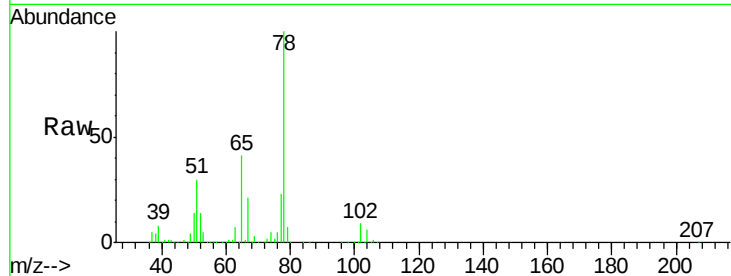
#33
 1,2-Dichloroethane-d4
 Concen: 123.013 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	725731		
67	52.7	0.0	104.8	

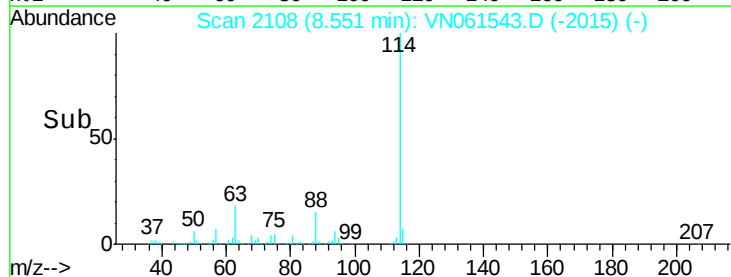
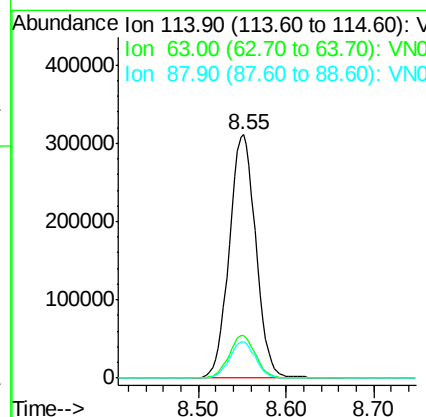
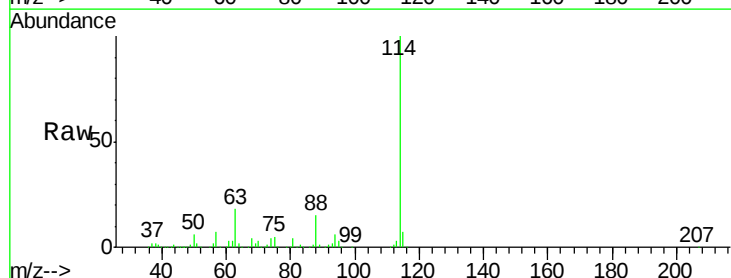
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	653959		
63	17.5	0.0	35.8	
88	15.1	0.0	31.0	





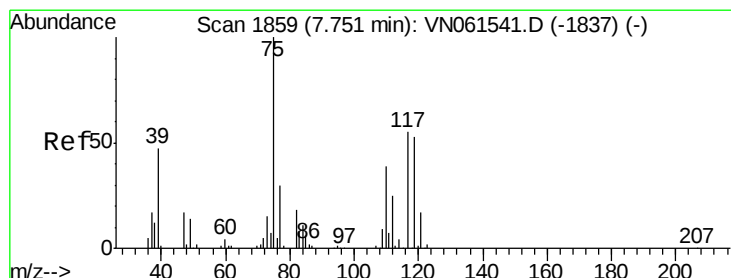
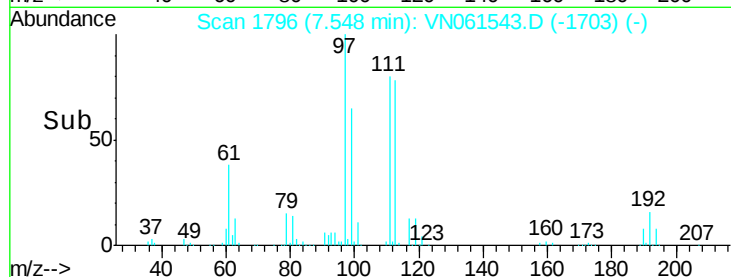
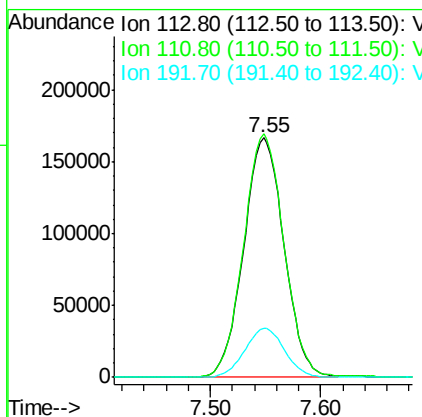
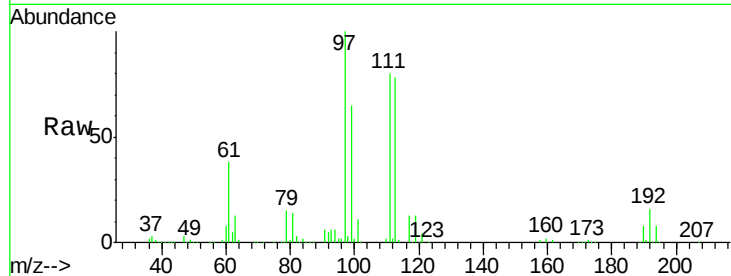
#35
 Dibromofluoromethane
 Concen: 122.739 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	422700		
111	102.1	83.4	125.0	
192	20.3	15.4	23.2	

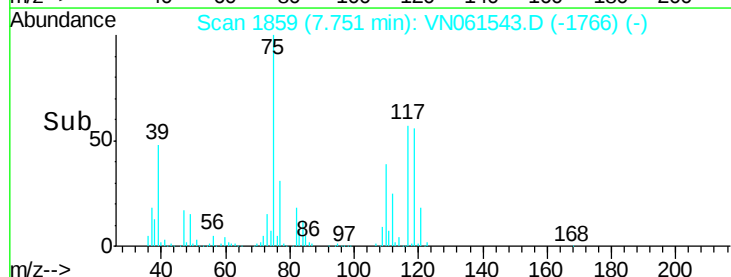
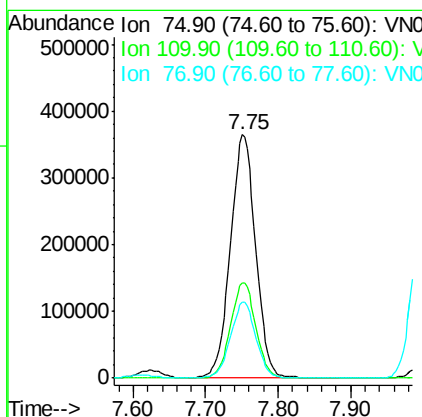
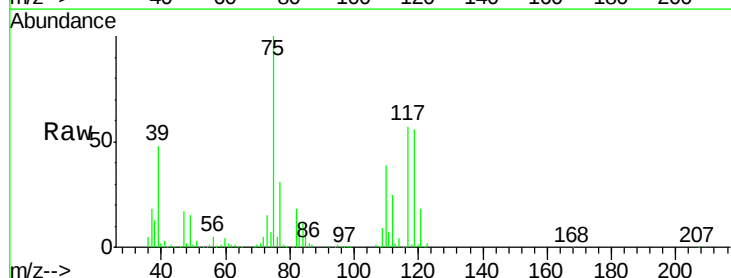
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 145.844 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	878750		
110	39.1	19.5	58.5	
77	31.5	24.7	37.1	





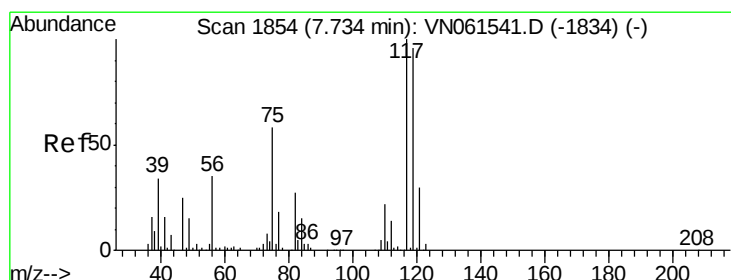
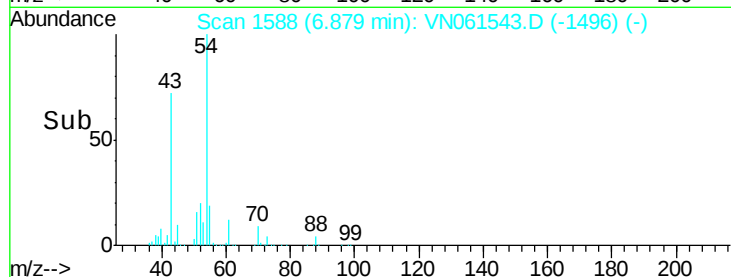
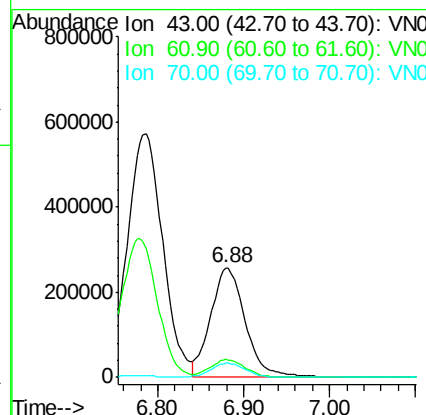
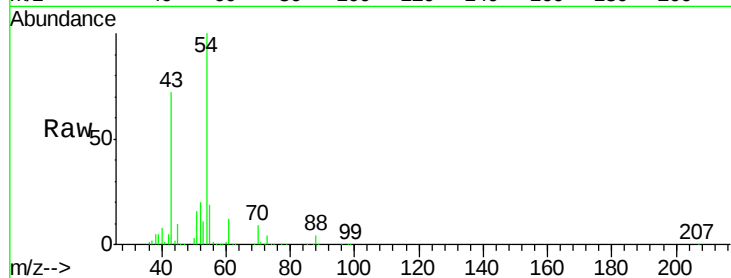
#37
Ethyl Acetate
Concen: 132.045 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.2	18.4
70	12.8	9.4	14.2

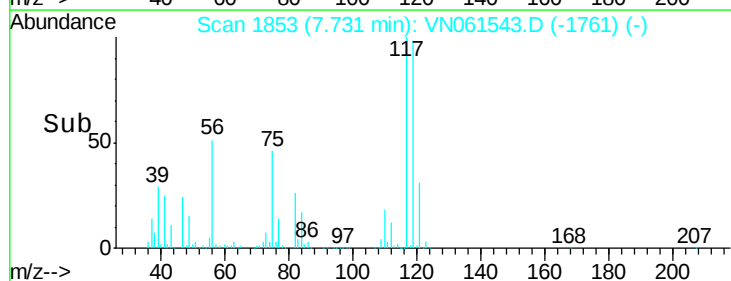
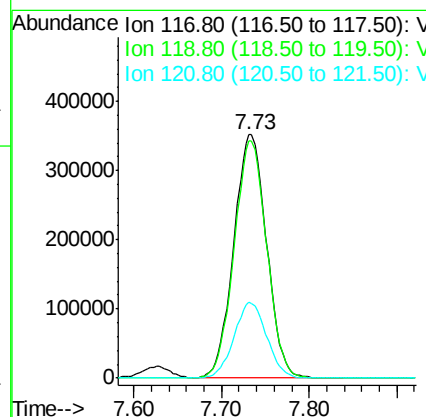
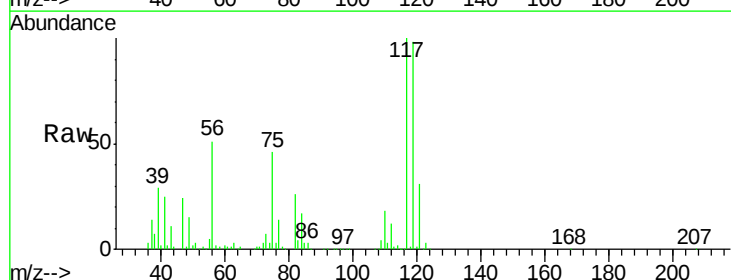
Manual Integrations
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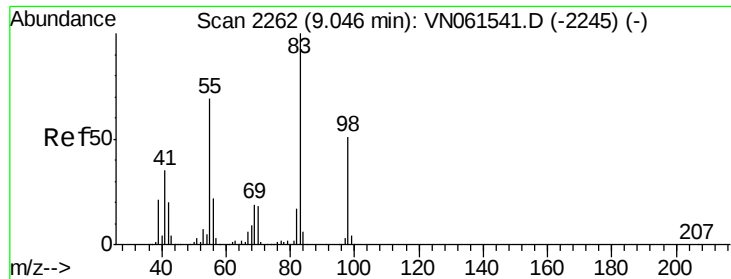
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#38
Carbon Tetrachloride
Concen: 163.490 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.5	114.7
121	31.0	24.1	36.1





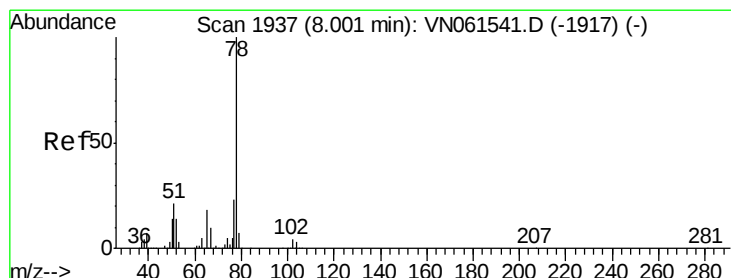
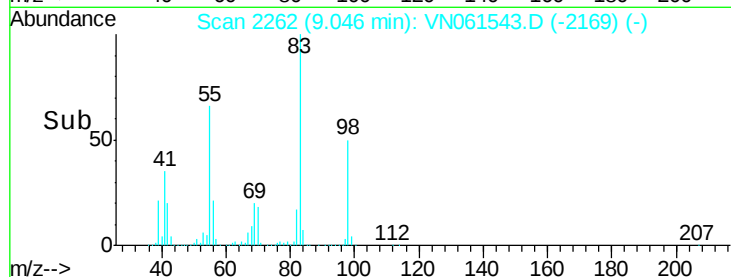
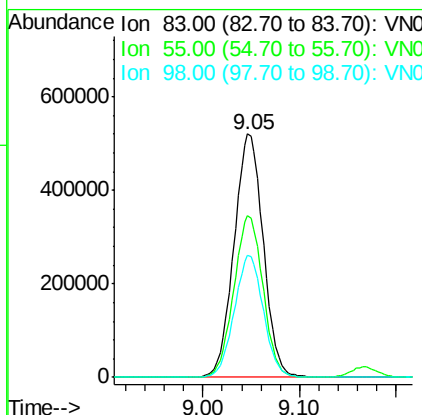
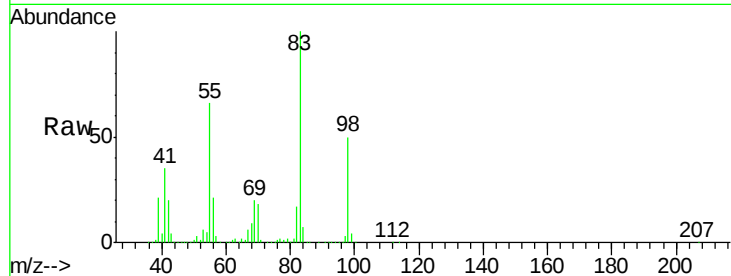
#39
Methvlcvclohexane
Concen: 148.227 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.3	54.9	82.3
98	50.0	41.0	61.4

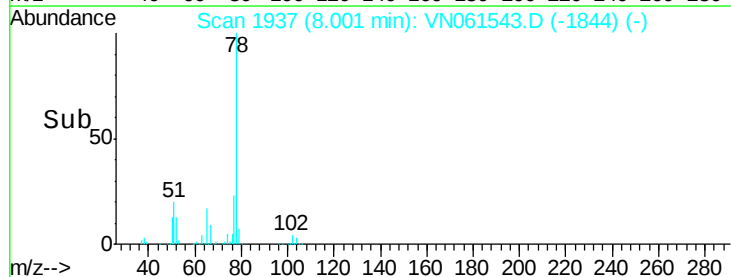
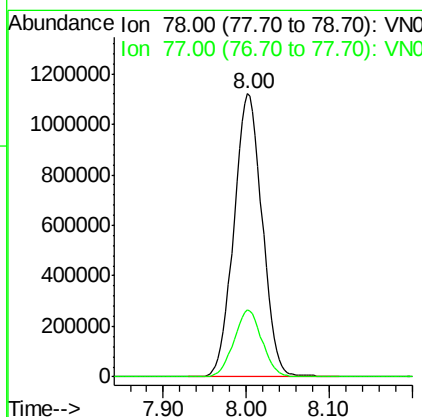
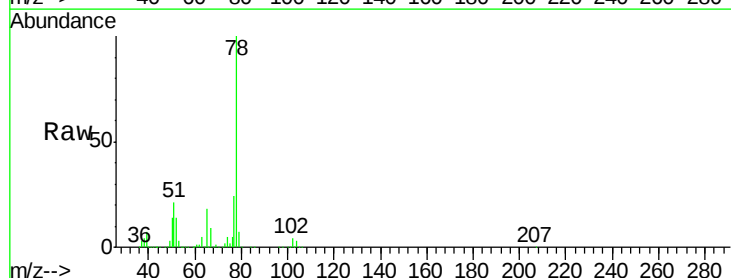
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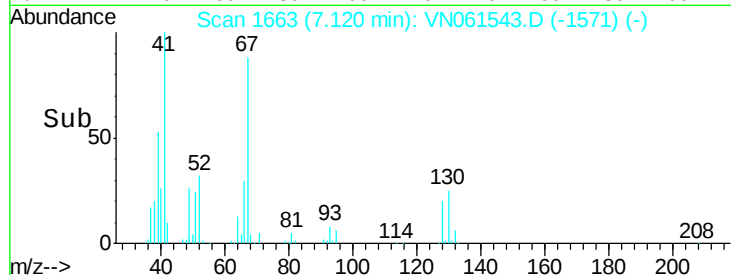
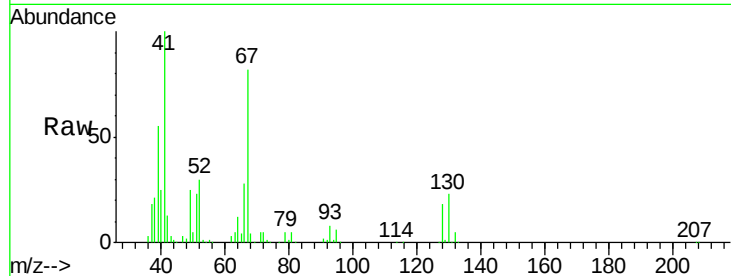
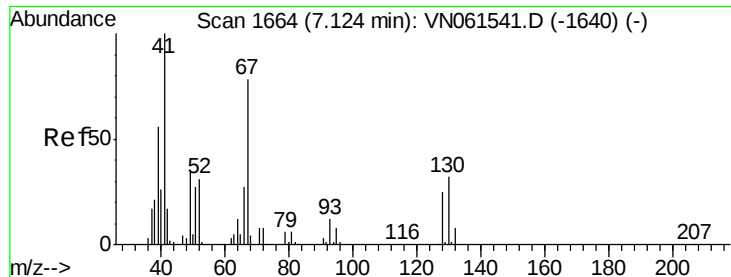
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#40
Benzene
Concen: 146.316 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





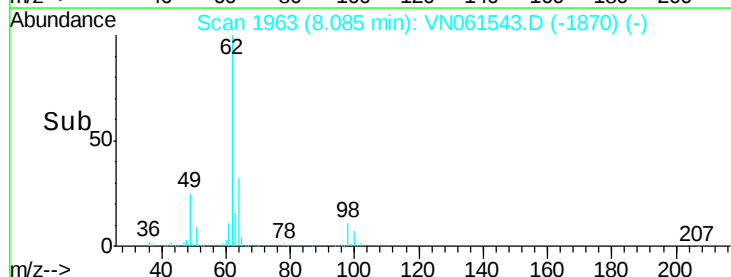
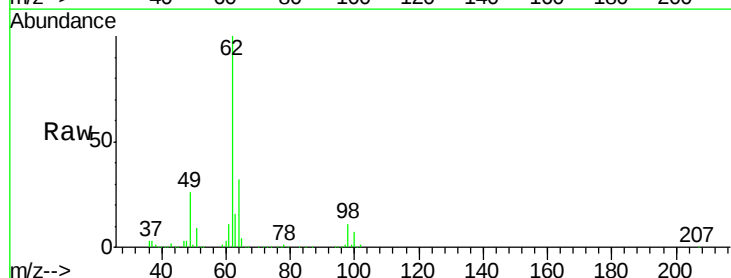
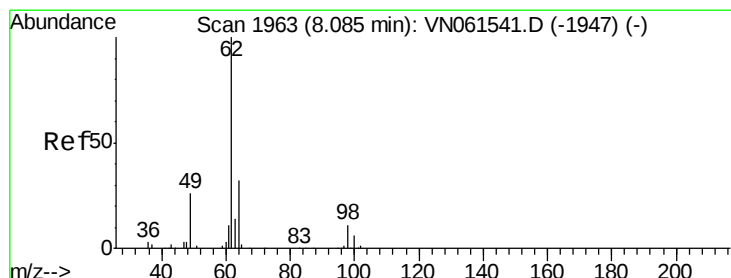
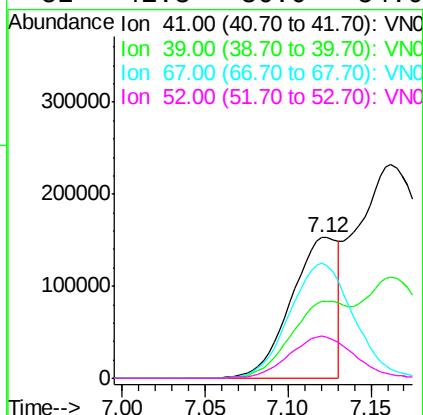
#41
Methacrylonitrile
Concen: 133.572 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tot Ion	41	Resp	299463
Ion Ratio	Lower	Upper	
41	100		
39	65.2	53.8	80.6
67	112.8	91.1	136.7
52	41.3	36.0	54.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

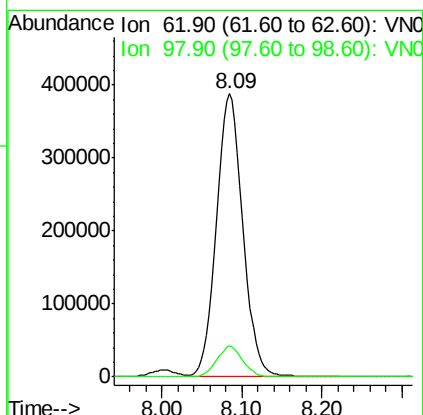
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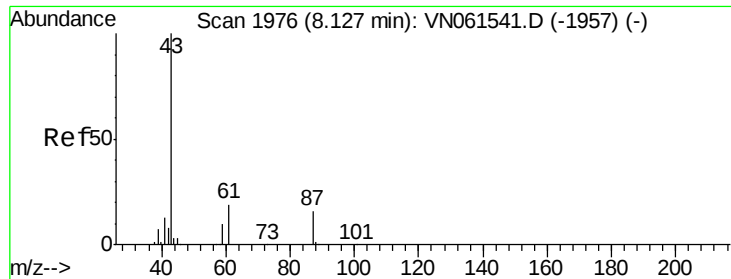
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#42
1,2-Dichloroethane
Concen: 136.252 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion	62	Resp	883581
Ion Ratio	Lower	Upper	
62	100		
98	10.7	0.0	21.4





#43

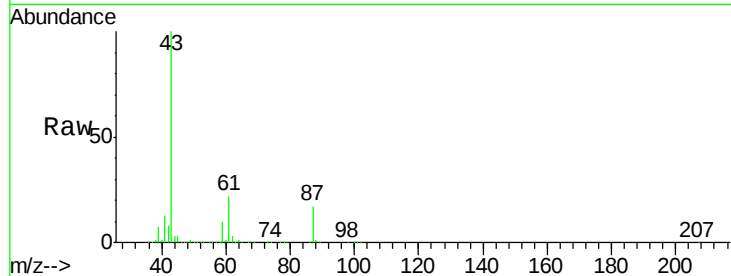
Isopropyl Acetate
 Concen: 134.499 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

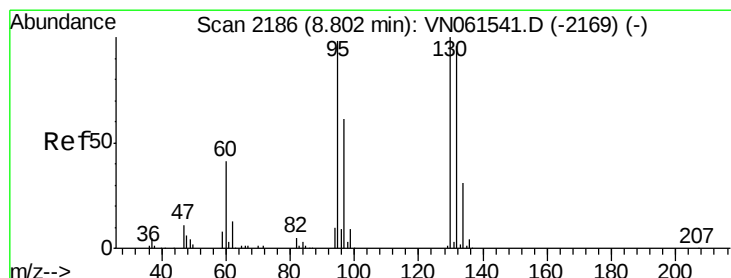
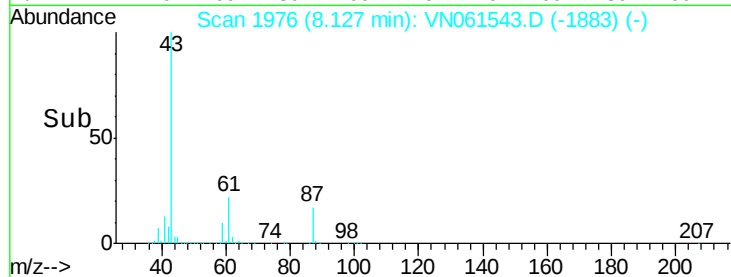
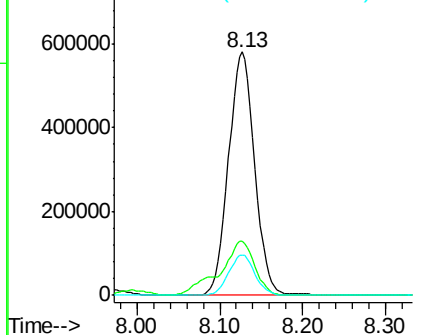
Tot Ion	43	Resp	1269333
Ion Ratio	100	Lower	Upper
43	100		
61	29.5	23.6	35.4
87	16.7	13.0	19.6

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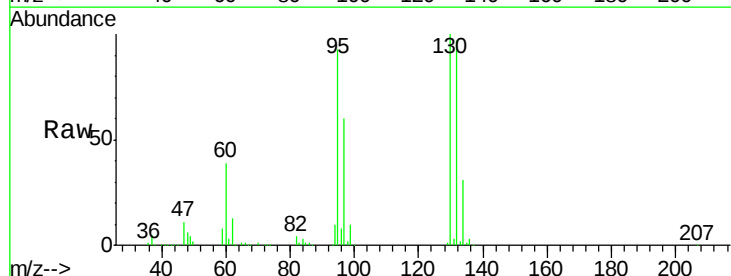
Abundance Ion 43.00 (42.70 to 43.70): VN061543.D (-1883) (-)



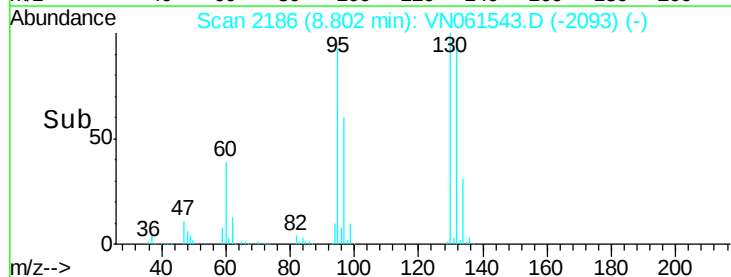
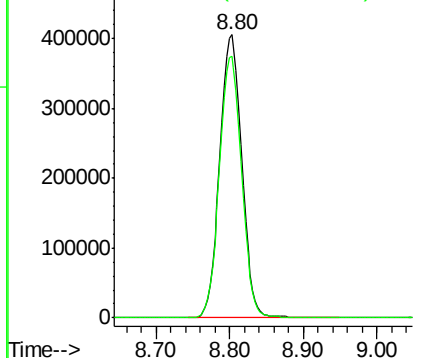
#44

Trichloroethene
 Concen: 172.141 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion	130	Resp	846985
Ion Ratio	100	Lower	Upper
130	100		
95	92.5	0.0	196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061543.D (-2093) (-)





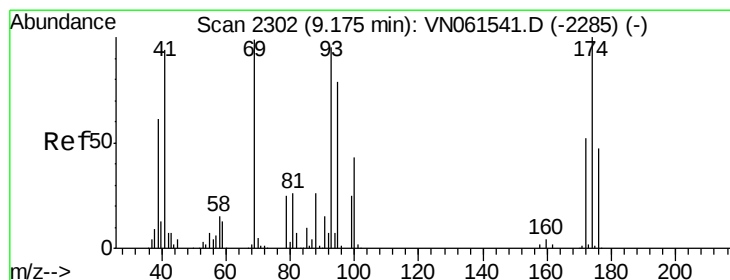
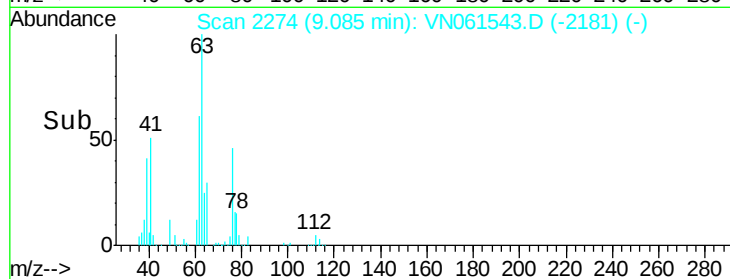
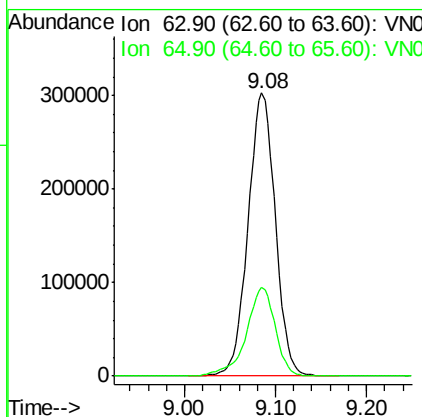
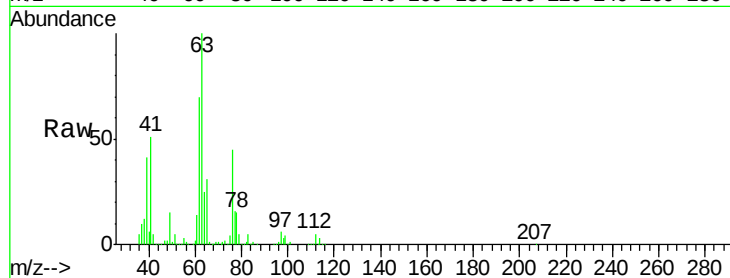
#45
 1,2-Dichloropropane
 Concen: 139.574 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 630836
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

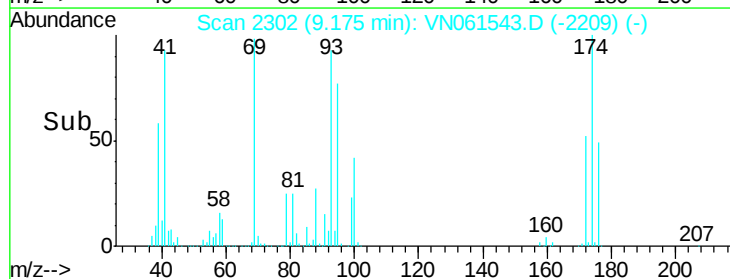
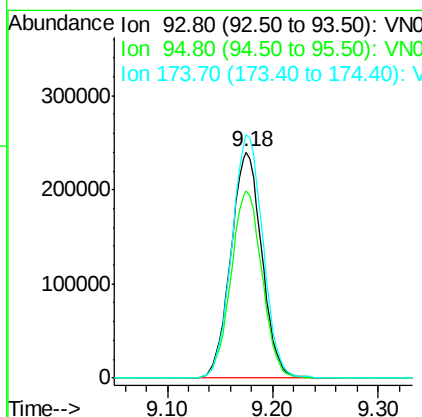
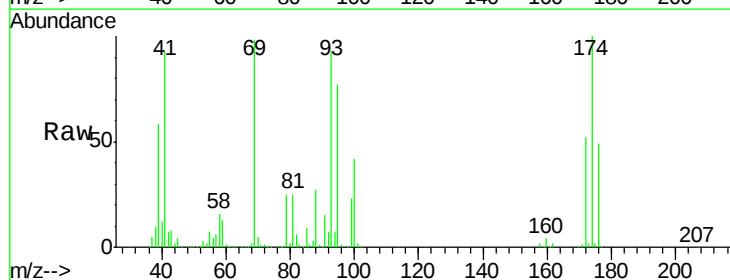
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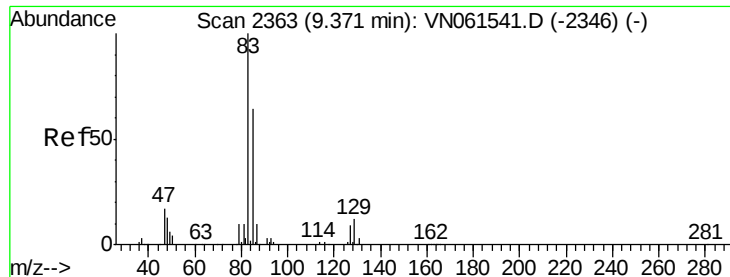
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#46
 Dibromomethane
 Concen: 152.266 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion: 93 Resp: 489383
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.0 99.0
 174 107.9 82.5 123.7





#47

Bromodichloromethane

Concen: 146.788 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

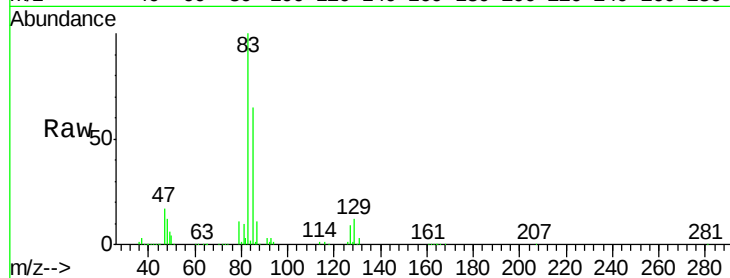
ClientSampleId :

VSTDIC150

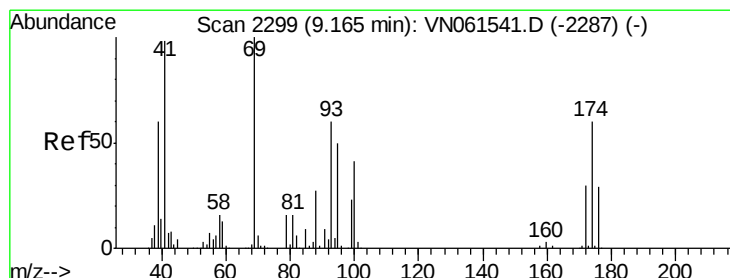
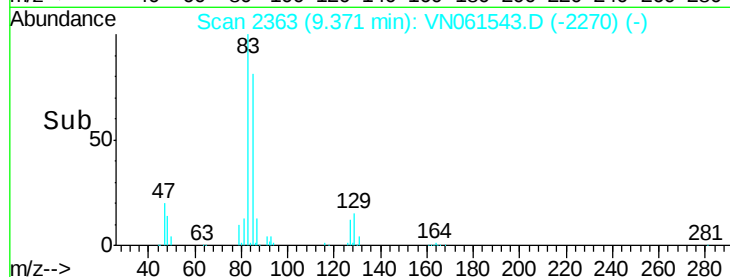
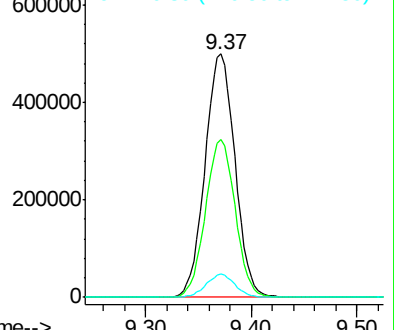
Tot Ion:	83	Resp:	983557
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.1	76.7
127	9.4	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061543.D (-2270) (-)



#48

Methyl methacrylate

Concen: 129.813 ug/l

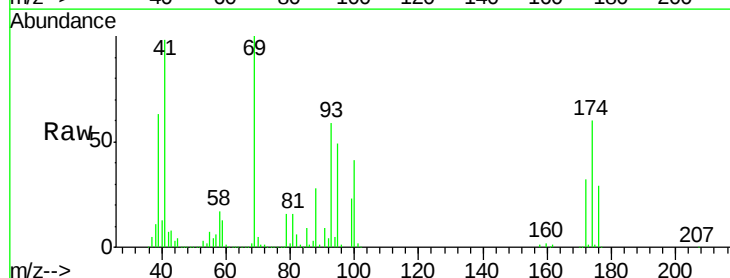
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

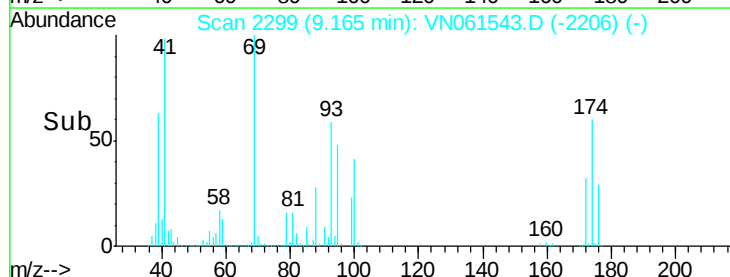
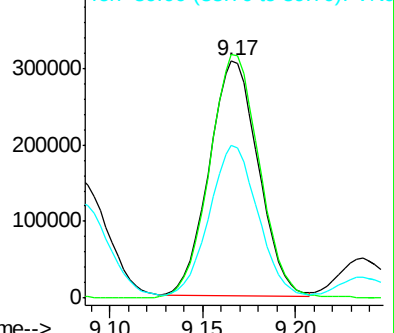
Lab File: VN061543.D

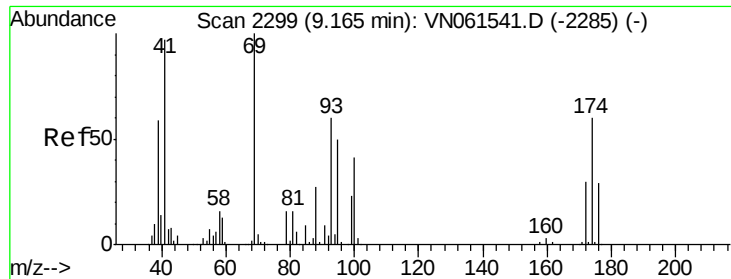
Acq: 28 May 2020 19:42

Tgt Ion:	41	Resp:	562563
Ion Ratio	Lower	Upper	
41	100		
69	105.4	83.9	125.9
39	62.6	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061543.D (-2206) (-)





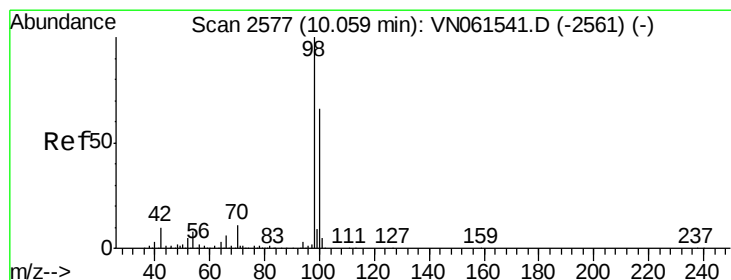
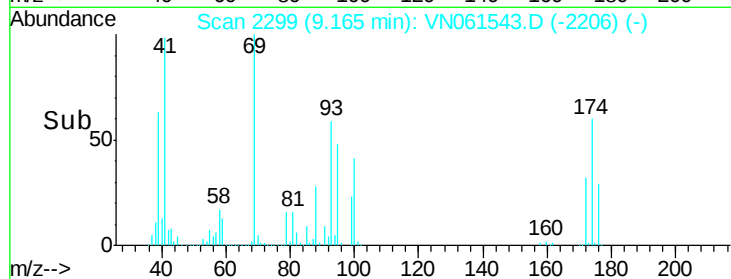
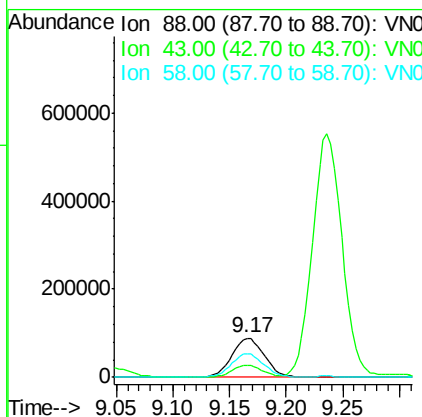
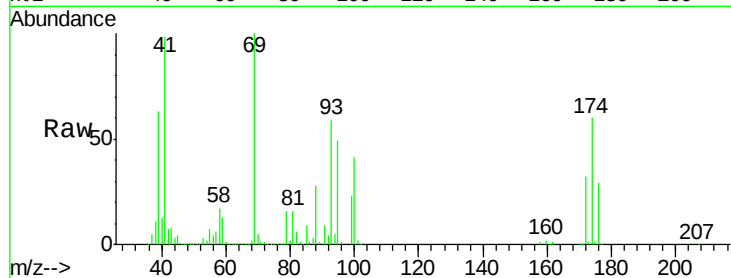
#49
1,4-Dioxane
Concen: 3312.997 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	179772
Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.1	34.7
58	59.7	48.3	72.5

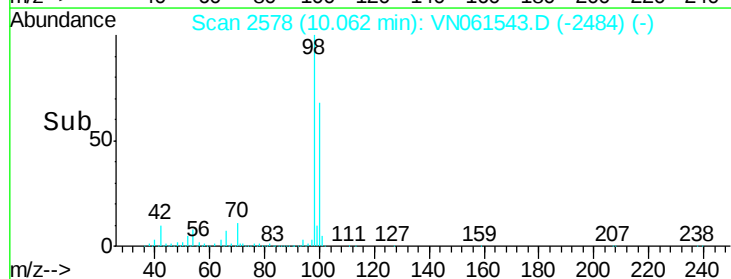
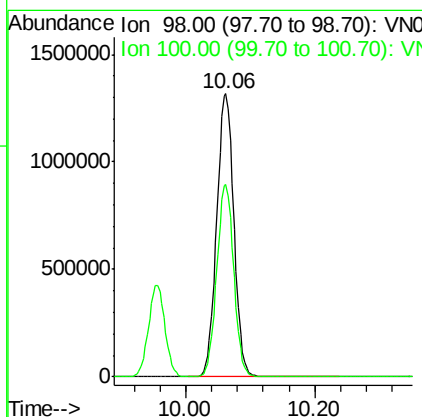
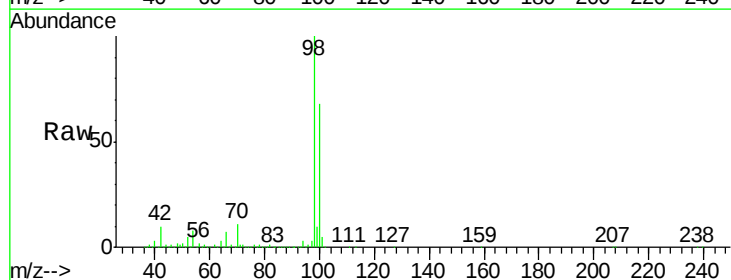
Manual Integrations
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#50
Toluene-d8
Concen: 153.565 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion	98	Resp	2446318
Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.8	79.2





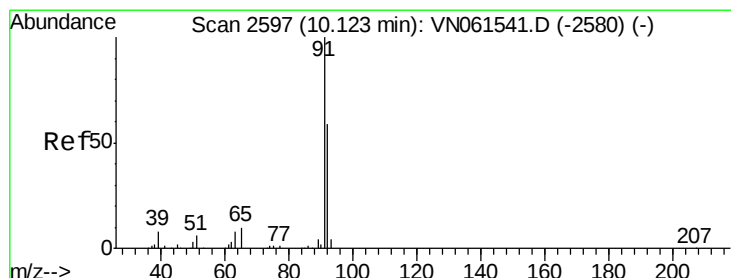
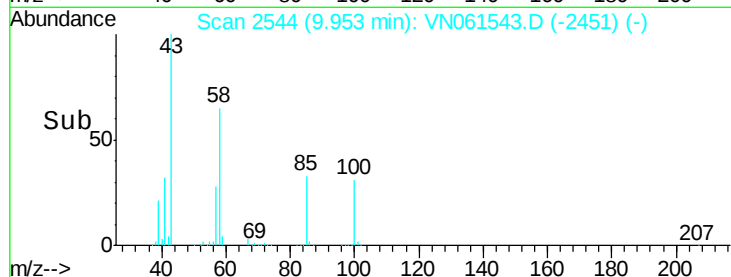
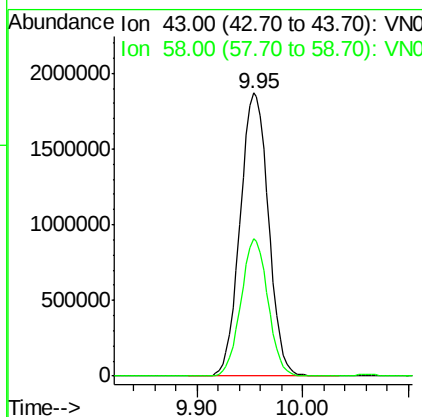
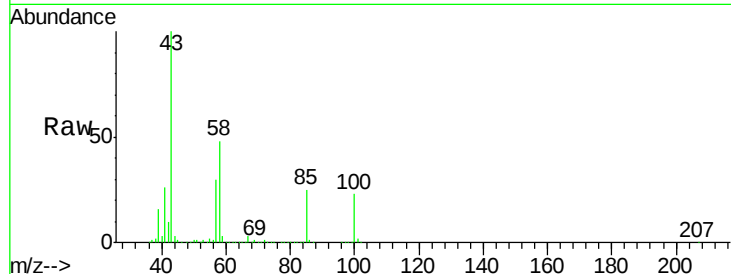
#51
 4-Methyl-2-Pentanone
 Concen: 676.760 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 3484974
 Ion Ratio Lower Upper
 43 100
 58 46.3 35.0 52.6

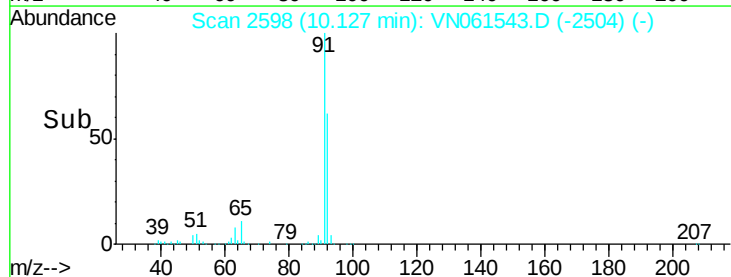
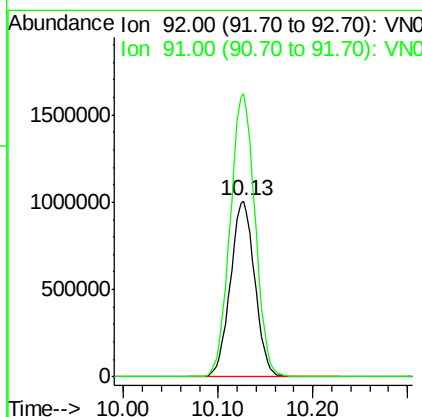
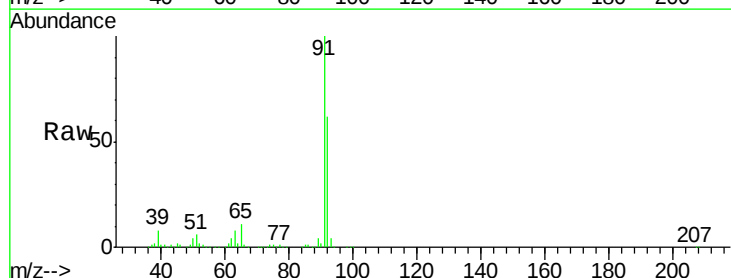
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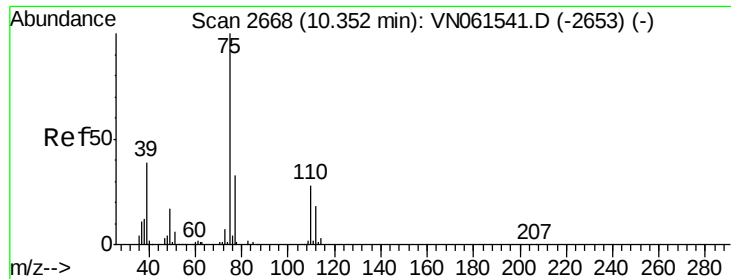
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#52
 Toluene
 Concen: 153.375 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion: 92 Resp: 1797353
 Ion Ratio Lower Upper
 92 100
 91 164.6 136.4 204.6





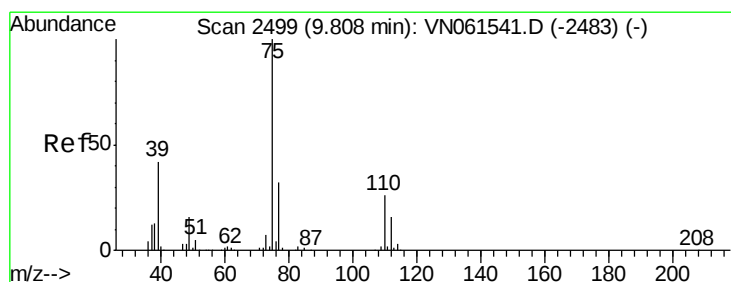
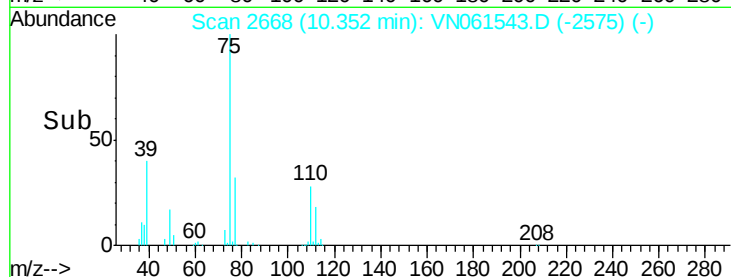
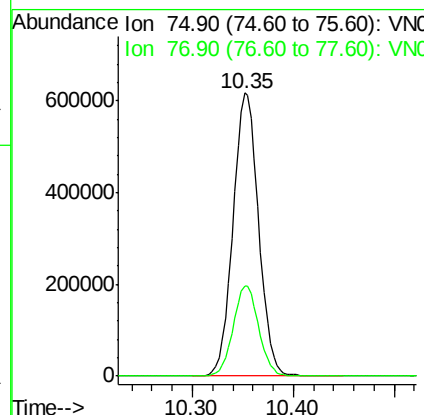
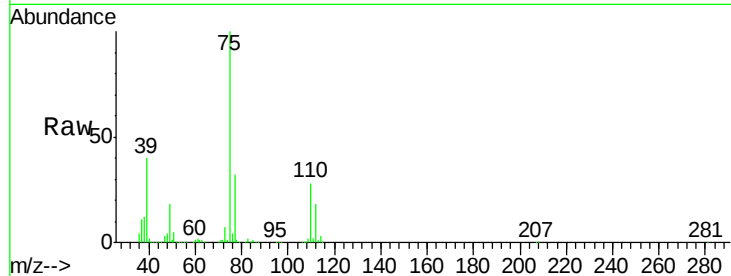
#53
t-1,3-Dichloropropene
Concen: 149.094 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1089876
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.4

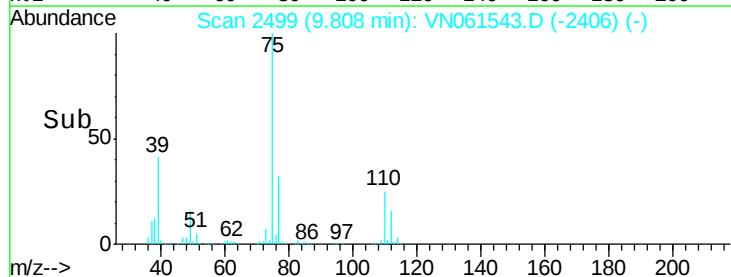
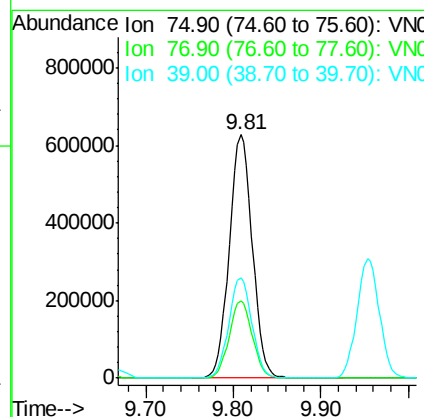
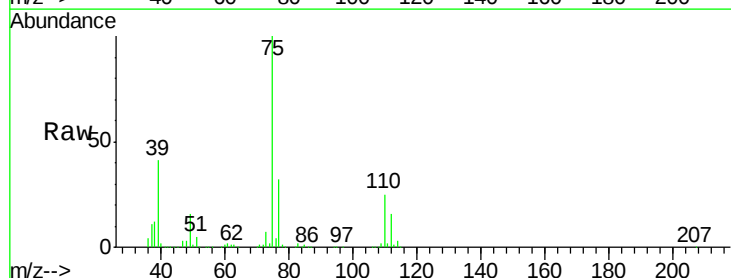
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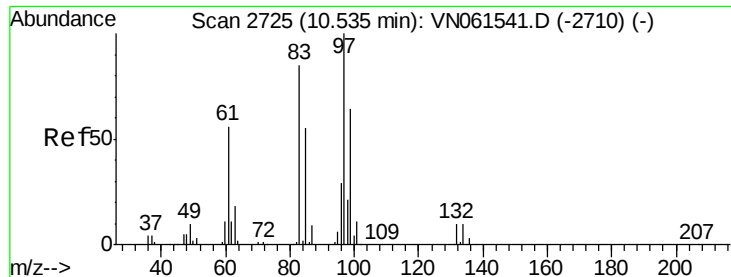
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#54
cis-1,3-Dichloropropene
Concen: 146.903 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion: 75 Resp: 1147761
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2
39 41.3 33.8 50.6





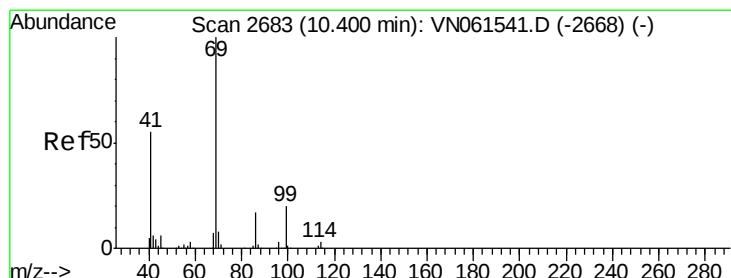
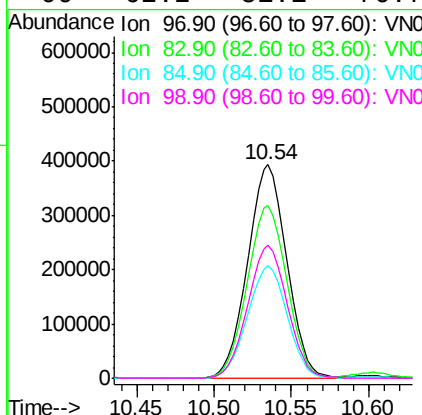
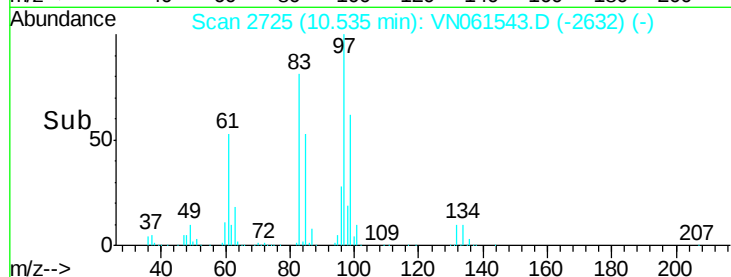
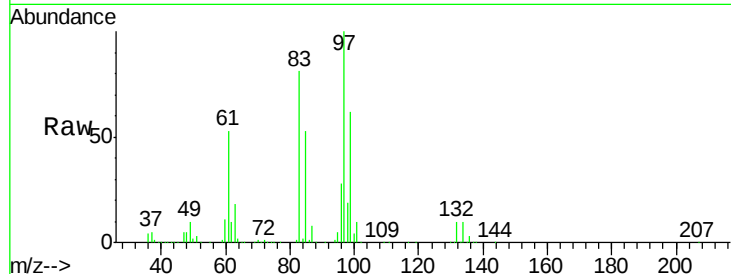
#55
 1,1,2-Trichloroethane
 Concen: 156.196 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	694550
Ion	Ratio	Lower	Upper
97	100		
83	80.7	68.1	102.1
85	52.6	44.1	66.1
99	62.2	51.1	76.7

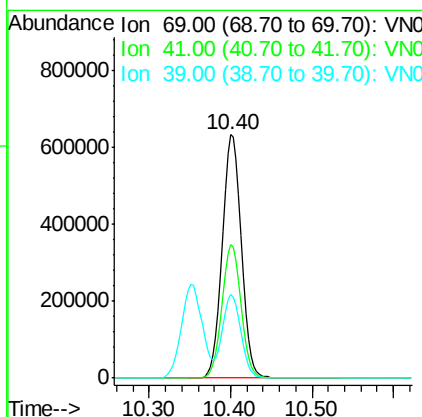
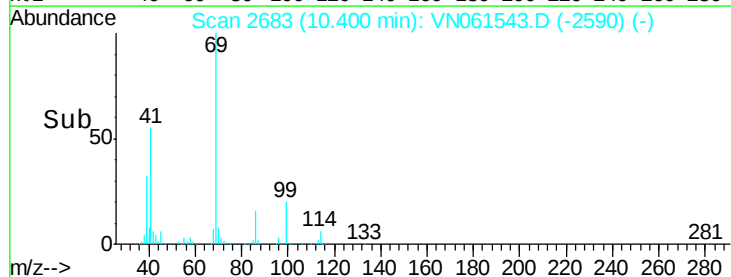
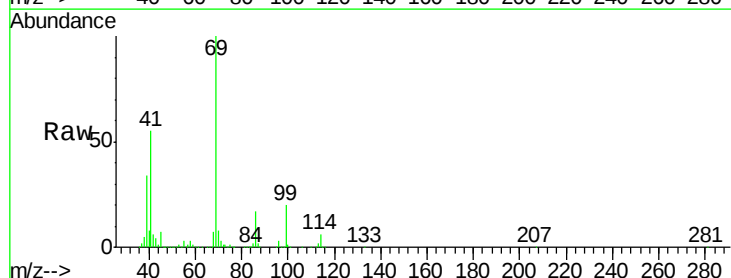
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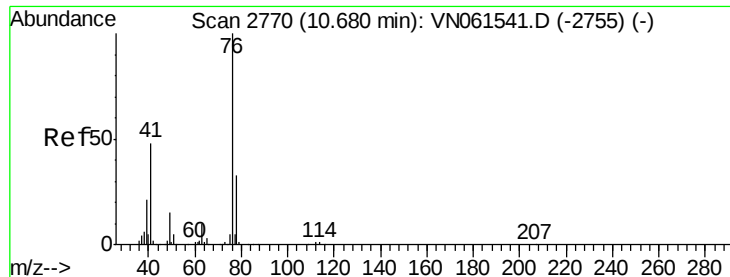
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#56
 Ethyl methacrylate
 Concen: 153.681 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion:	69	Resp:	1055279
Ion	Ratio	Lower	Upper
69	100		
41	54.3	43.5	65.3
39	33.7	27.0	40.6





#57

1,3-Dichloropropane

Concen: 147.520 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1122529

Ion Ratio Lower Upper

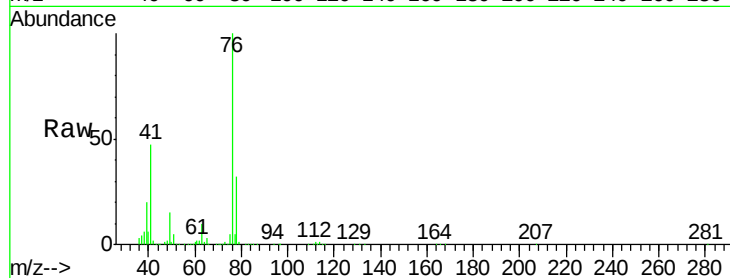
76 100

78 32.6 26.3 39.5

Manual Integrations
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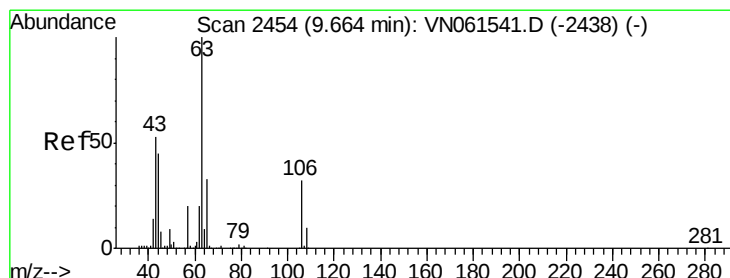
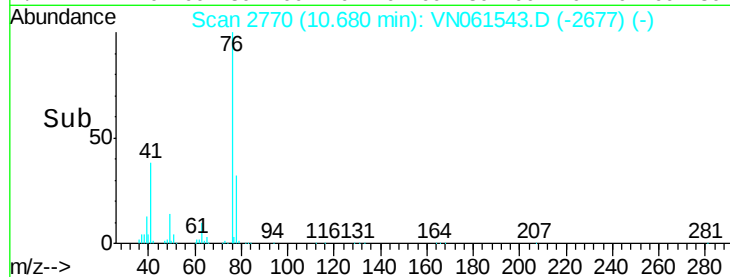
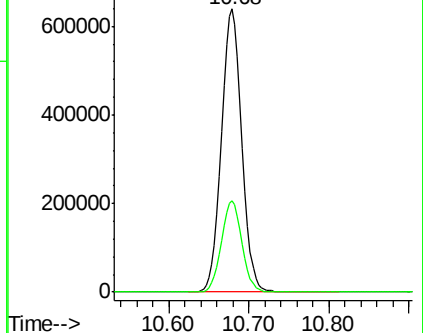
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 754.633 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061543.D

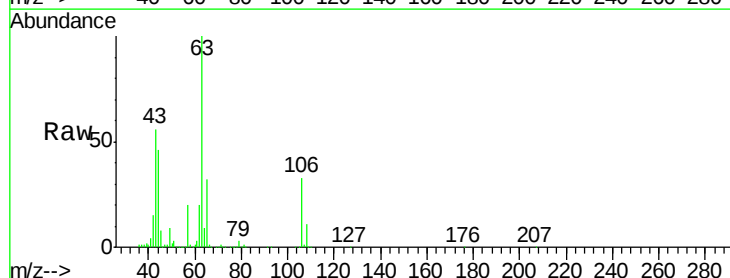
Acq: 28 May 2020 19:42

Tgt Ion: 63 Resp: 2272991

Ion Ratio Lower Upper

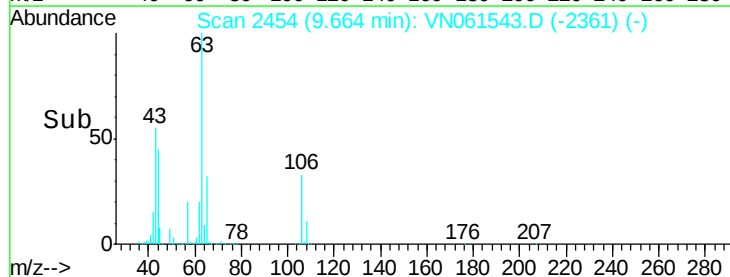
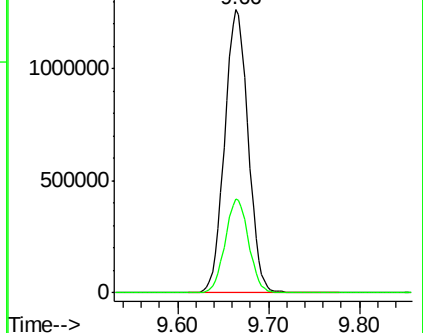
63 100

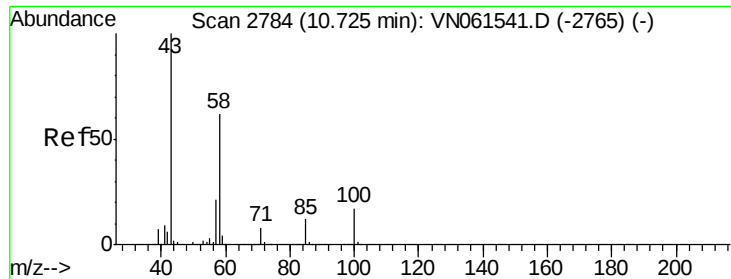
106 32.9 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





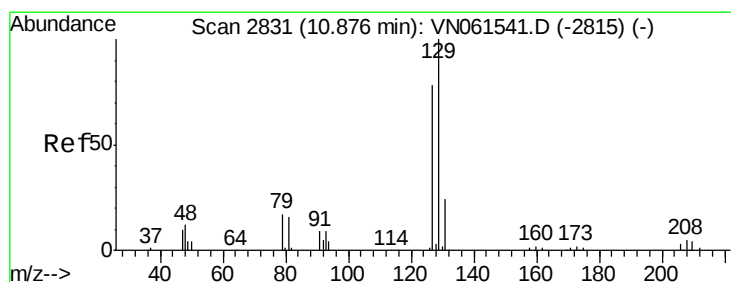
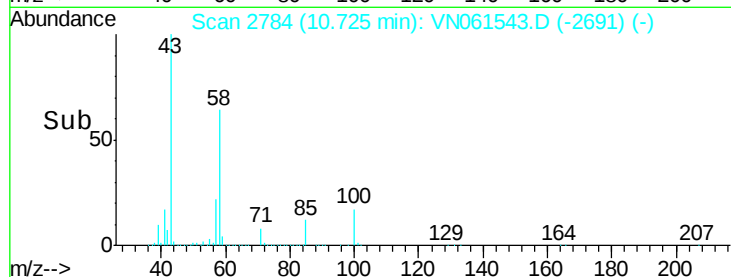
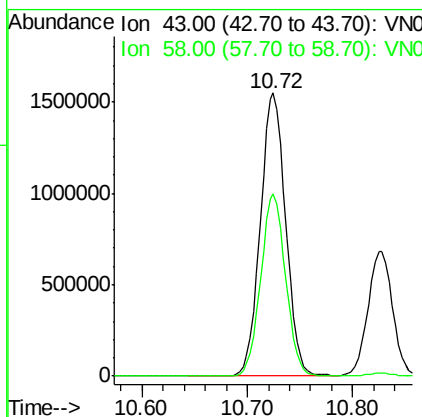
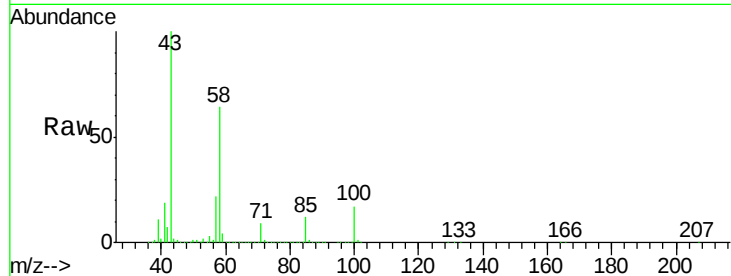
#59
2-Hexanone
Concen: 697.992 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2598955
Ion Ratio Lower Upper
43 100
58 63.2 30.7 92.1

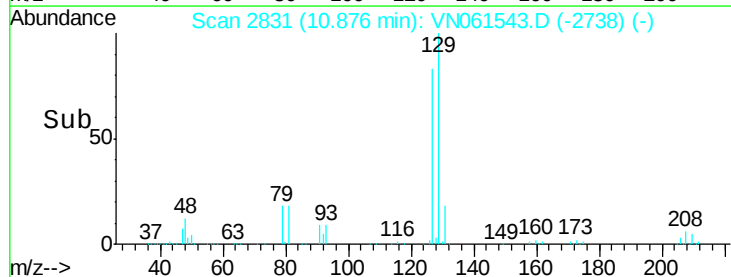
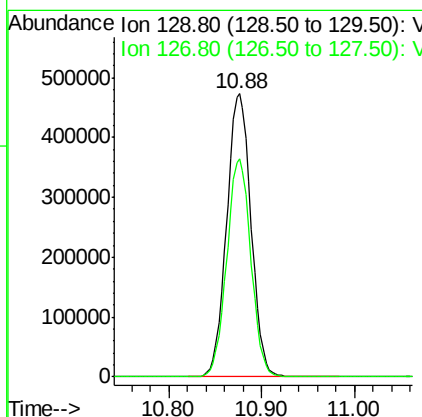
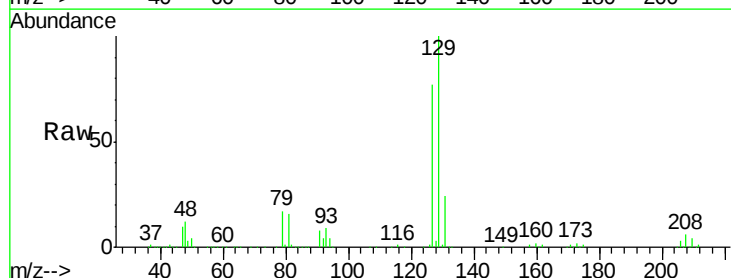
Manual Integrations
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#60
Dibromochloromethane
Concen: 173.385 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion: 129 Resp: 859636
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.3





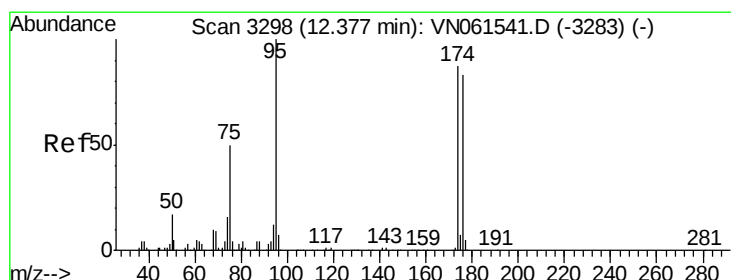
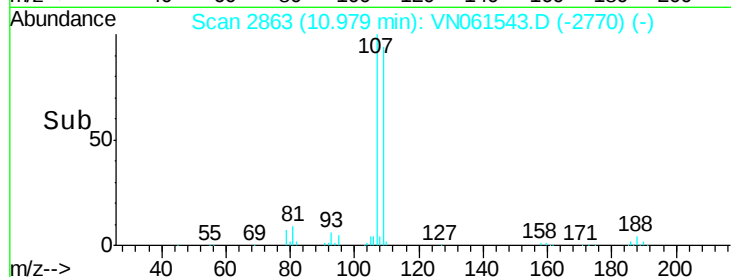
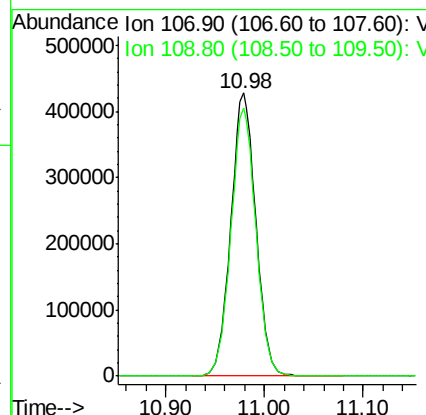
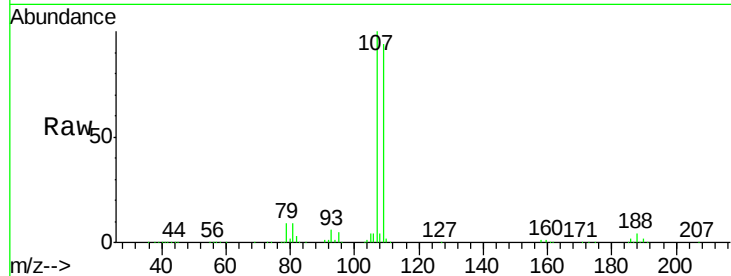
#61
 1,2-Dibromoethane
 Concen: 161.309 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	756211		
109	94.8	76.1	114.1	

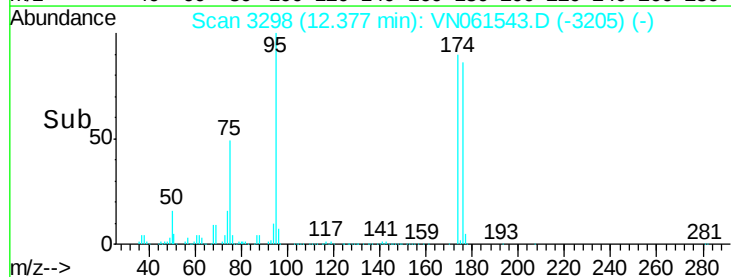
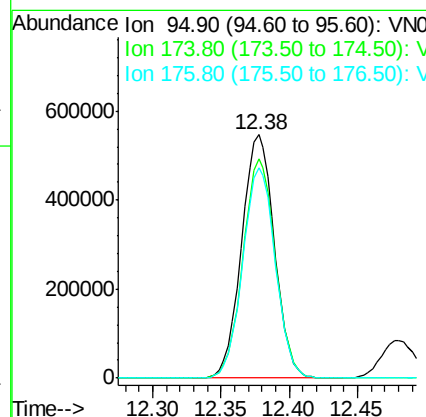
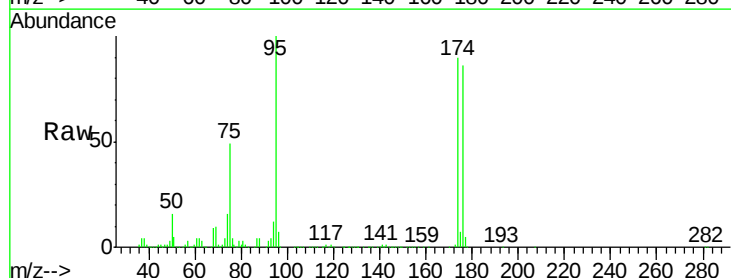
Manual Integrations
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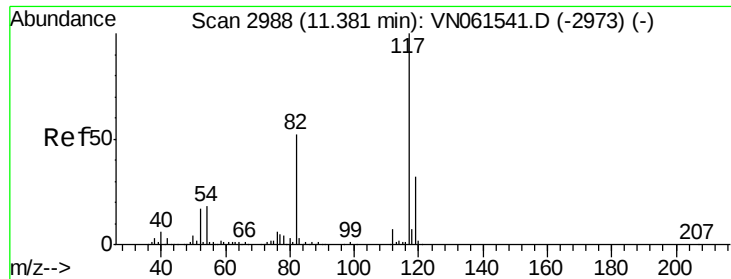
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 154.907 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	911816		
174	88.9	0.0	172.8	
176	86.1	0.0	164.8	





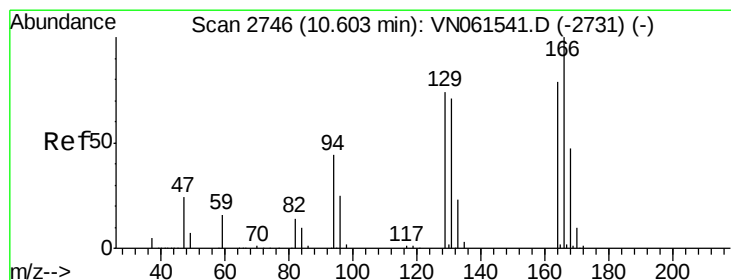
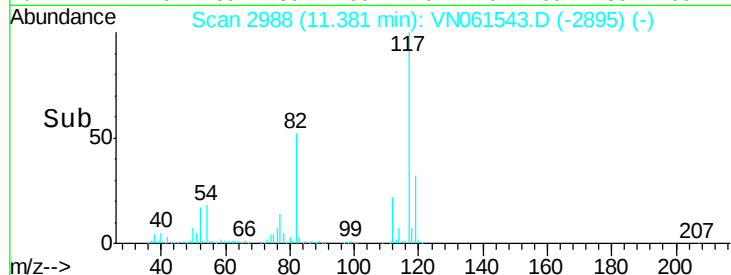
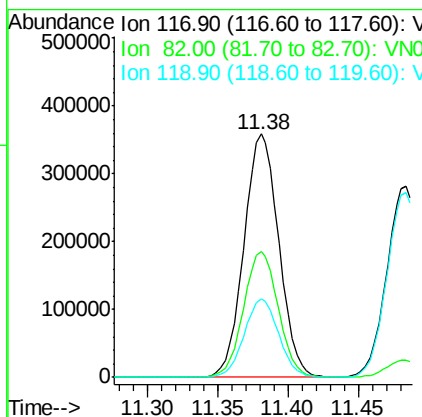
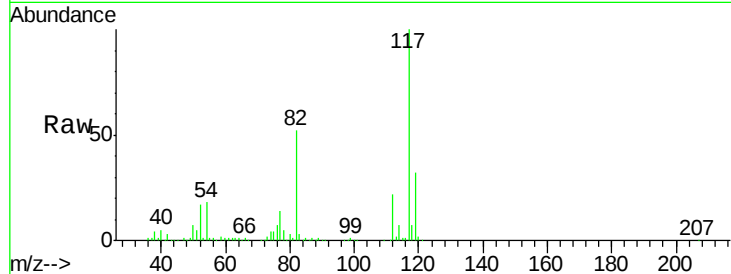
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	621455		
82	51.9		41.5	62.3
119	32.1		25.6	38.4

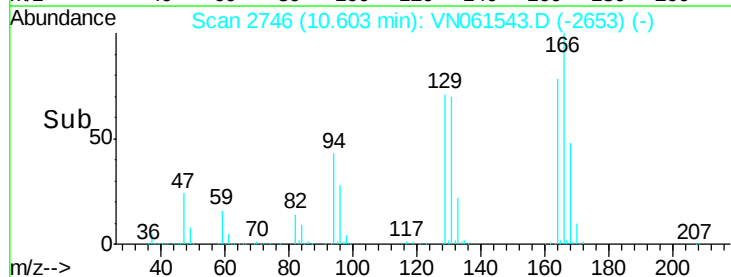
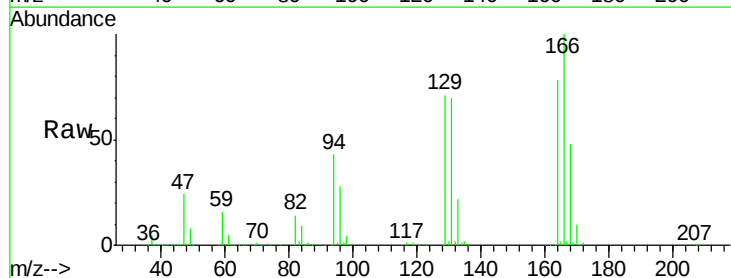
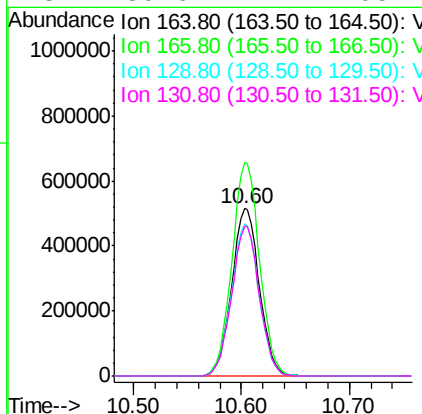
Manual Integrations
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#64
Tetrachloroethene
Concen: 185.781 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	921223		
166	127.5		101.5	152.3
129	91.0		74.9	112.3
131	89.6		72.2	108.2





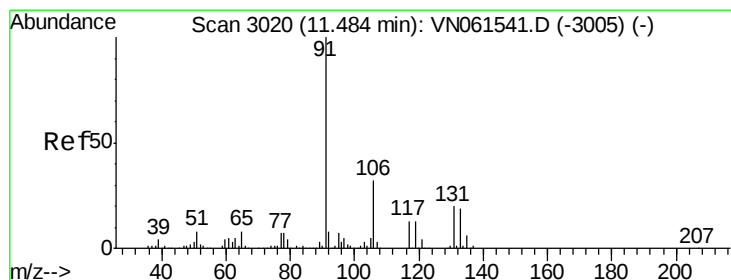
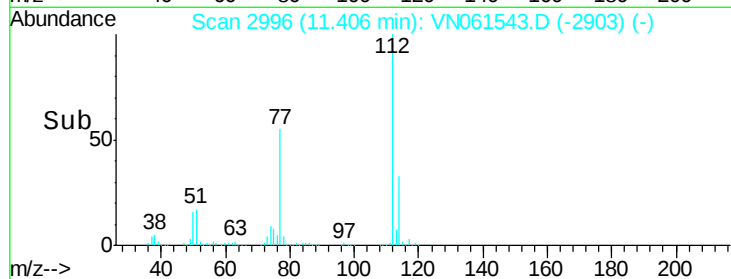
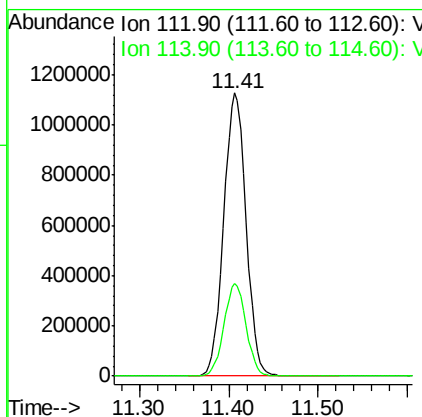
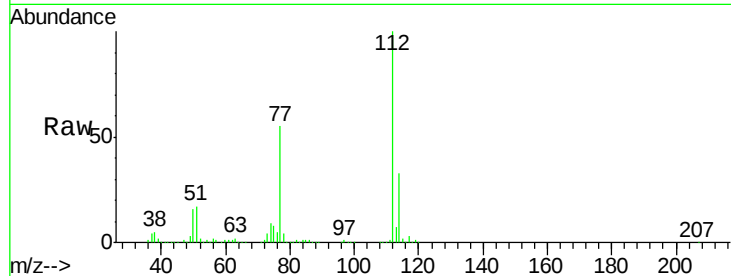
#65
Chlorobenzene
Concen: 154.378 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1950762
Ion Ratio Lower Upper
112 100
114 32.8 25.7 38.5

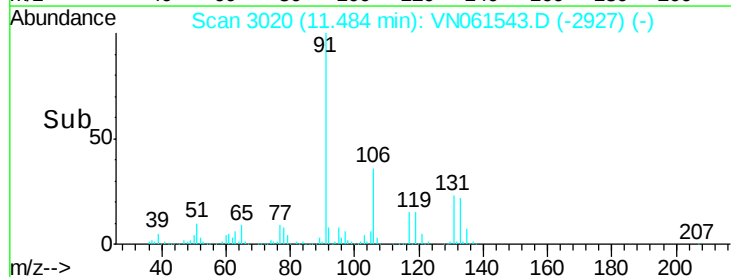
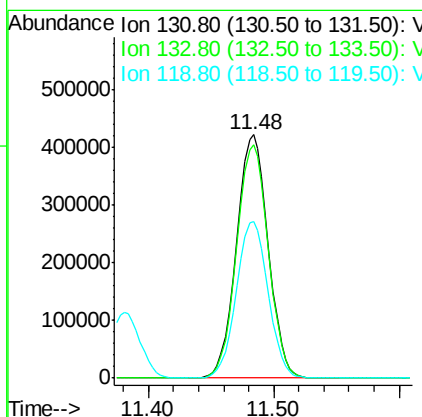
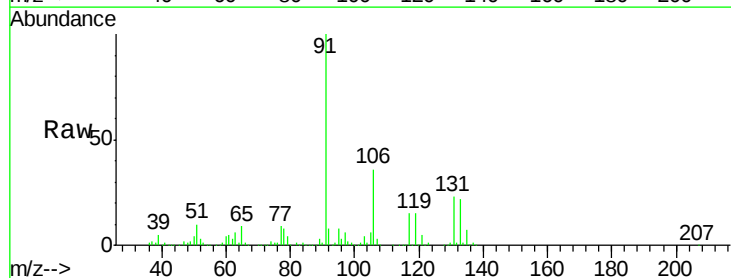
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 162.421 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion:131 Resp: 740427
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.2
119 64.8 32.6 97.8





#67

Ethyl Benzene

Concen: 143.216 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3263678

Ion Ratio Lower Upper

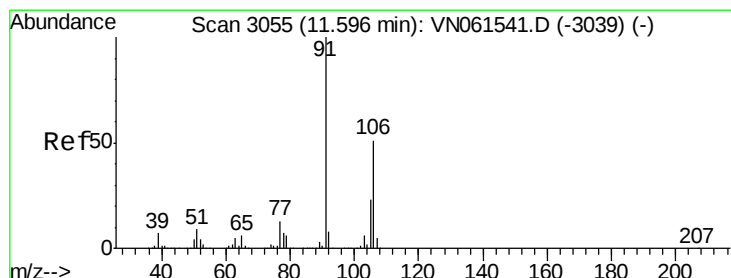
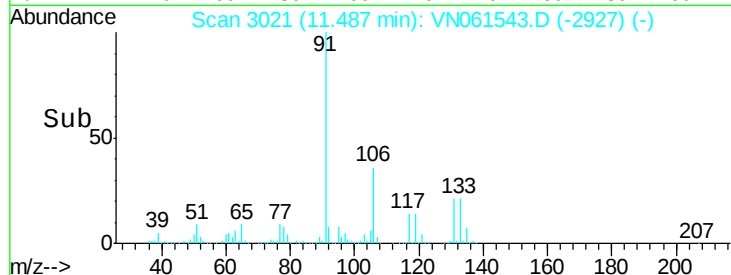
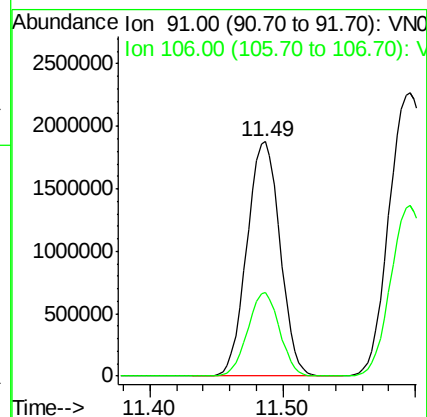
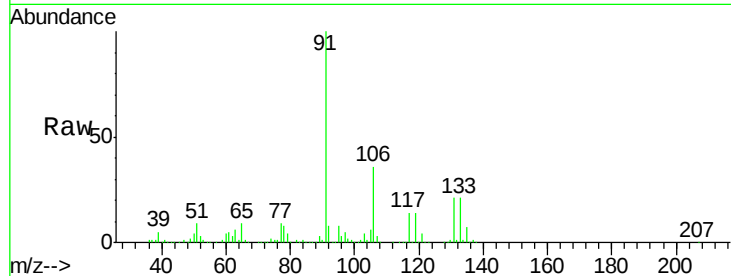
91 100

106 35.6 25.6 38.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 308.934 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061543.D

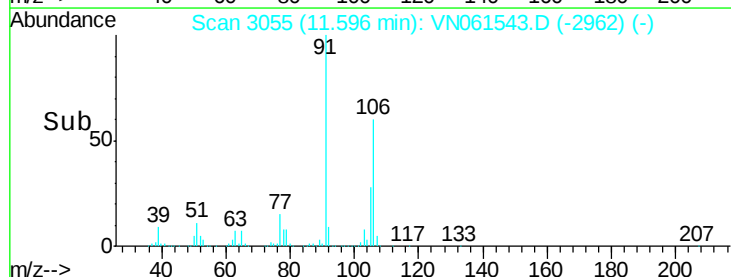
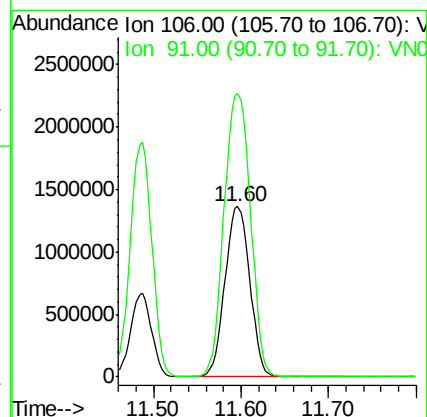
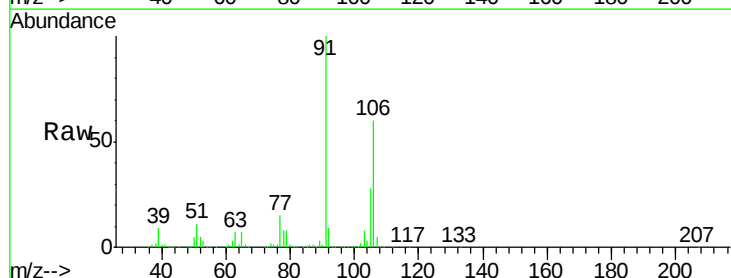
Acq: 28 May 2020 19:42

Tgt Ion: 106 Resp: 2690704

Ion Ratio Lower Upper

106 100

91 177.4 156.2 234.4





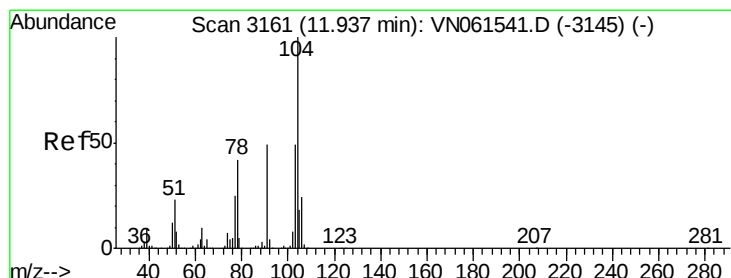
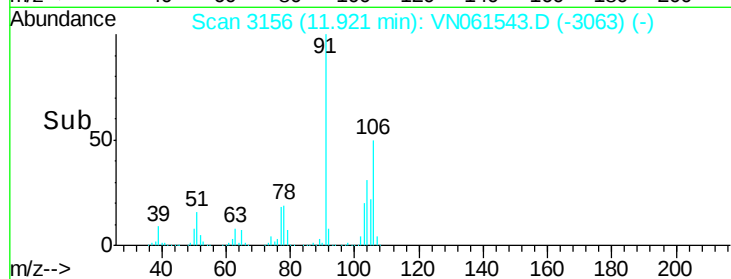
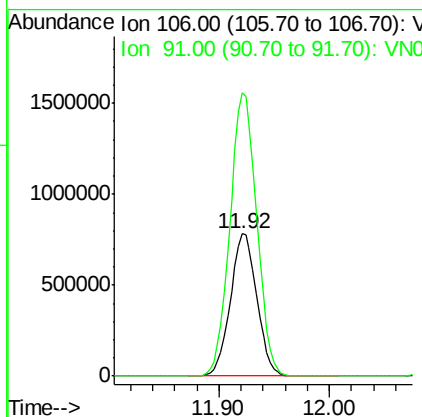
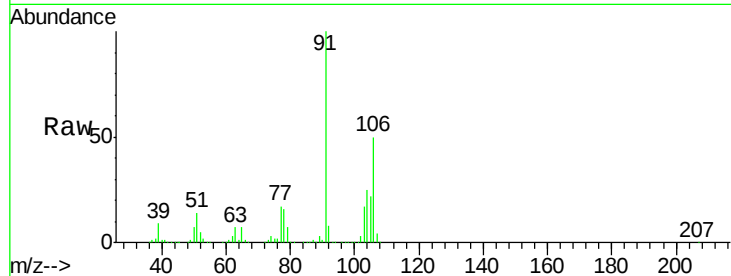
#69
o-Xylene
Concen: 154.375 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.4	103.3	309.8	

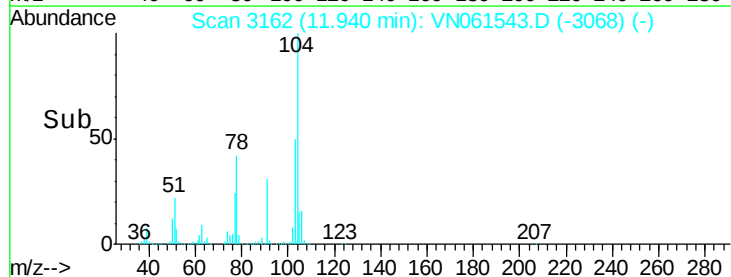
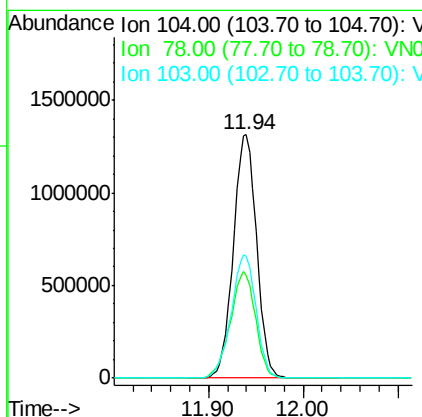
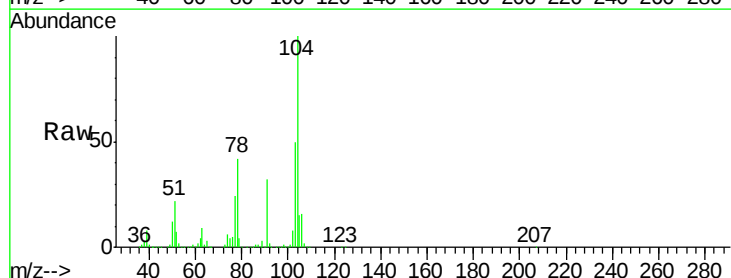
Manual Integrations
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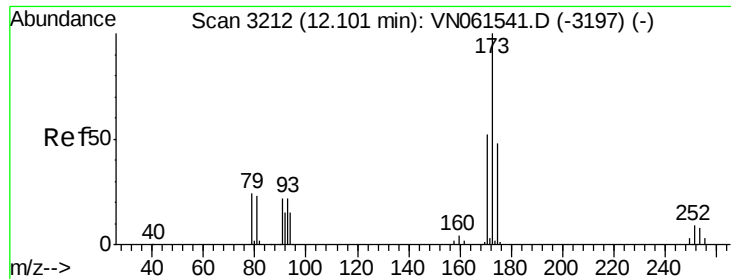
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#70
Styrene
Concen: 161.175 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.0	37.4	56.0	
103	54.0	42.3	63.5	





#71

Bromoform

Concen: 194.993 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

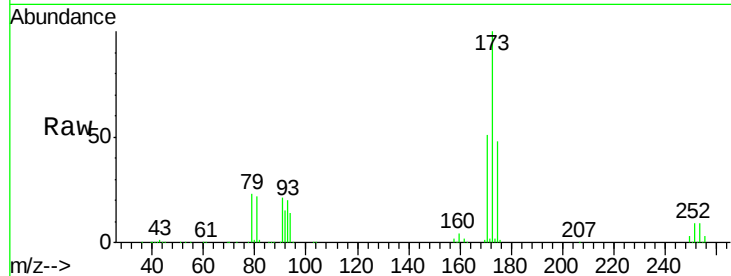
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.1	0.0	0.0#

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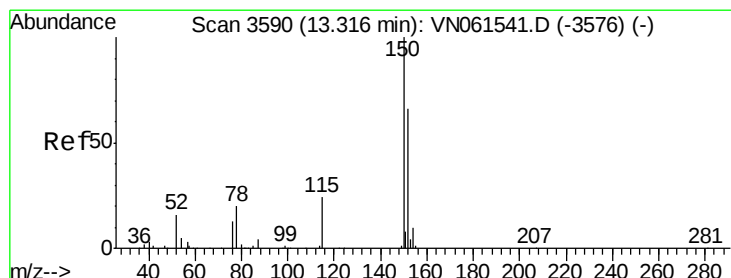
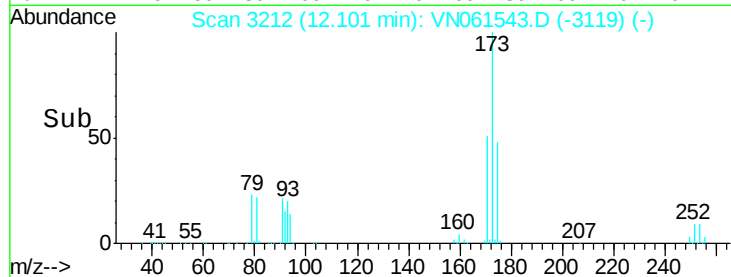
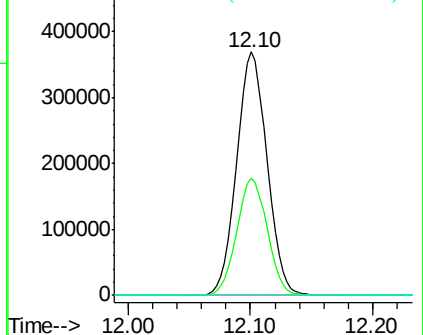


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

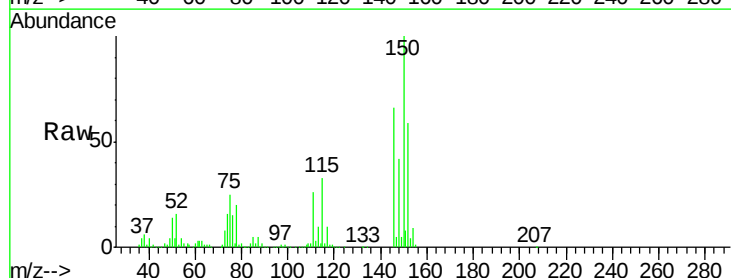
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	84.0
150	208.1	0.0	344.0

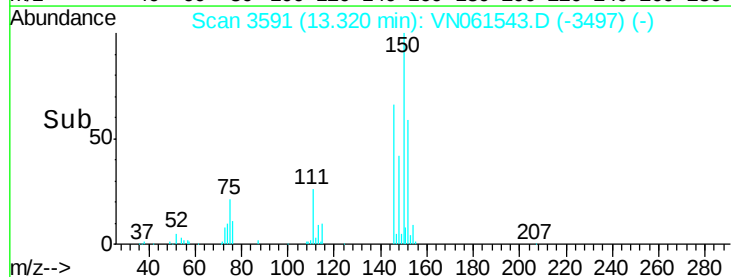
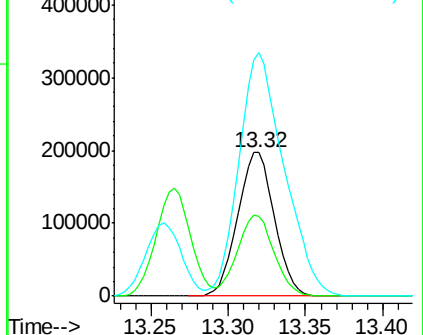


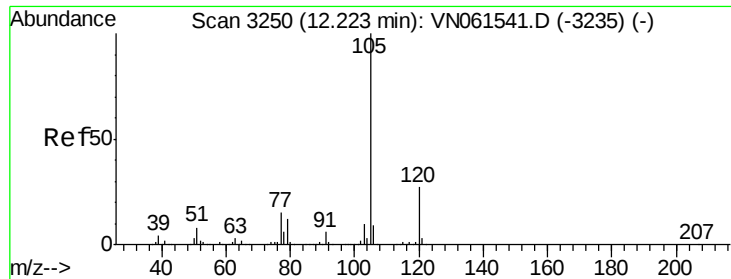
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 128.577 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3286083

Ion Ratio Lower Upper

105 100

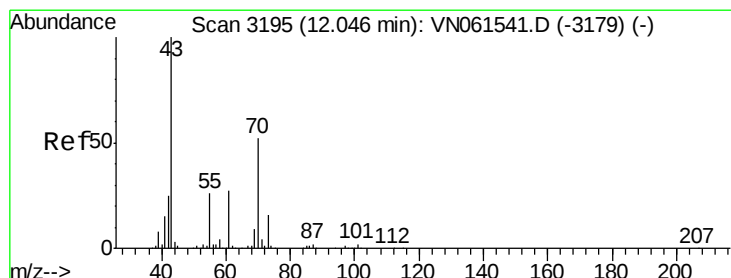
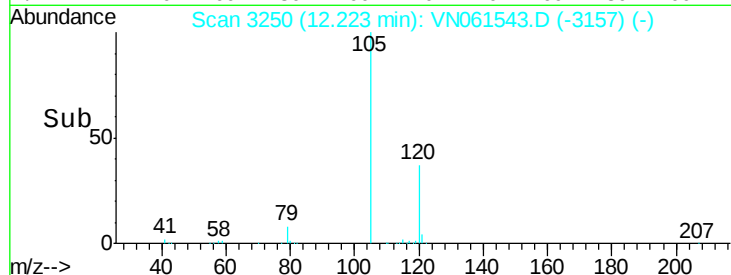
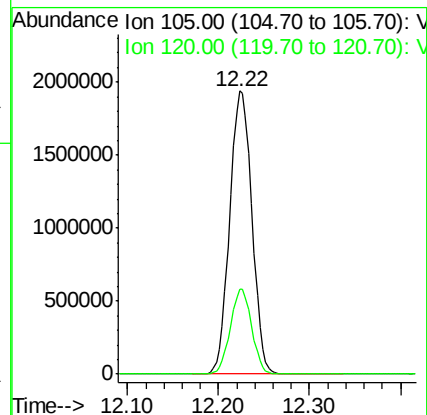
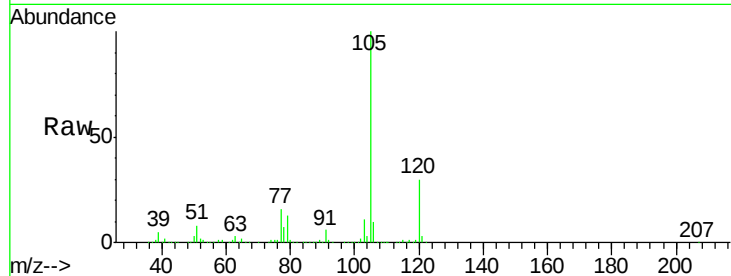
120 28.9 13.8 41.3

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#74

N-ethyl acetate

Concen: 125.173 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Tgt Ion: 43 Resp: 1152071

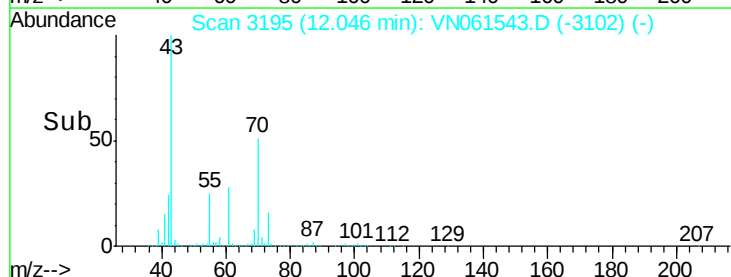
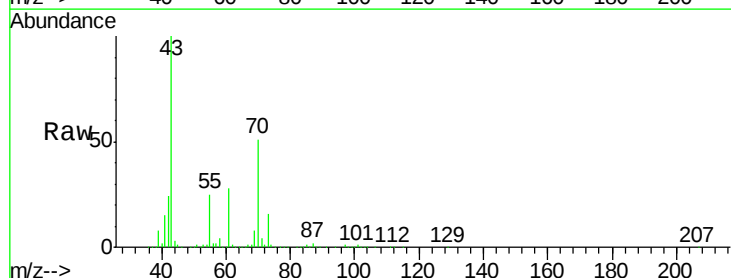
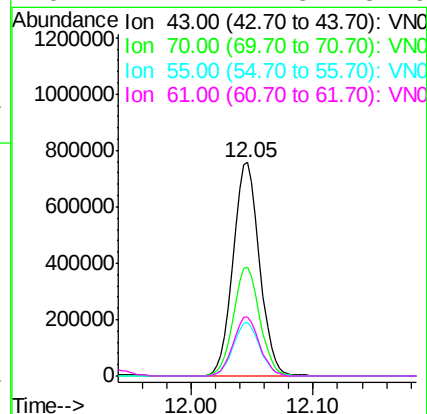
Ion Ratio Lower Upper

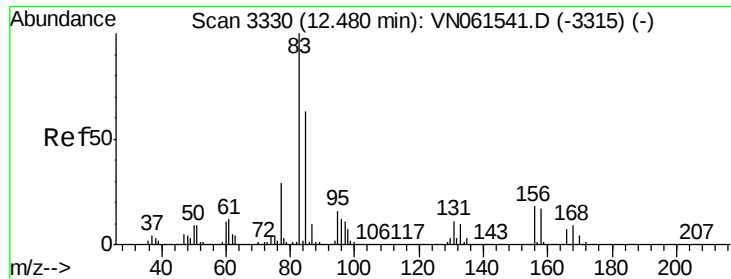
43 100

70 51.1 40.5 60.7

55 25.4 20.6 31.0

61 27.7 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 128.596 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

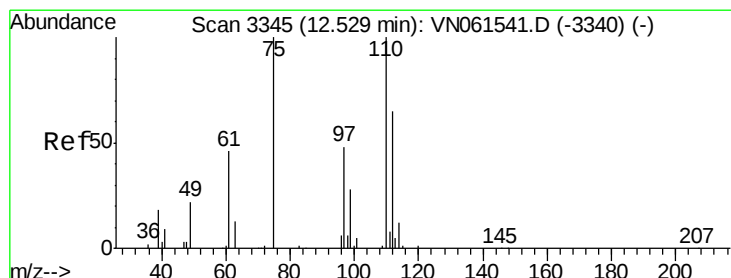
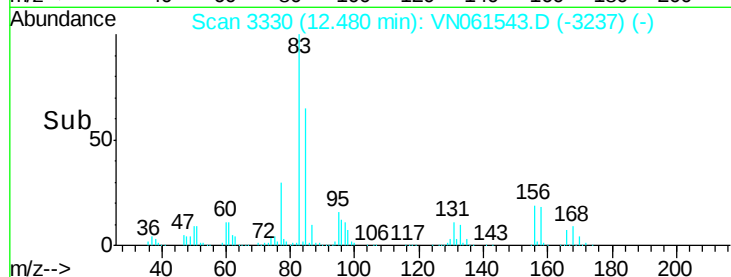
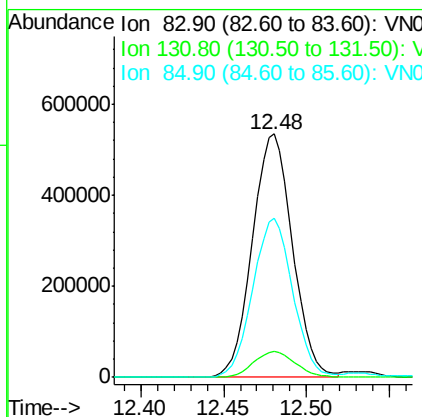
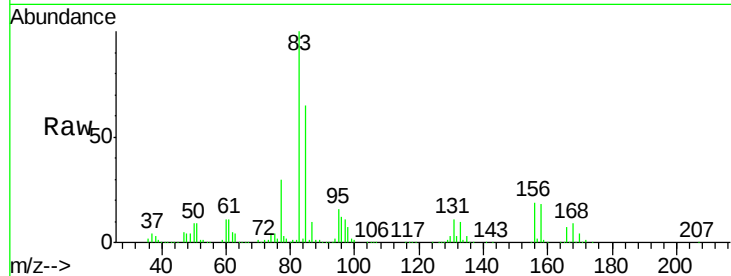
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	904946
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.5
85	64.9	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 121.005 ug/l m

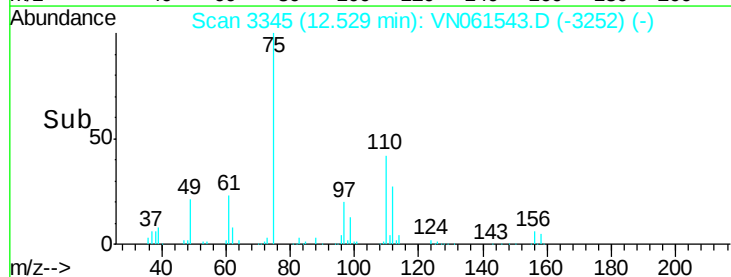
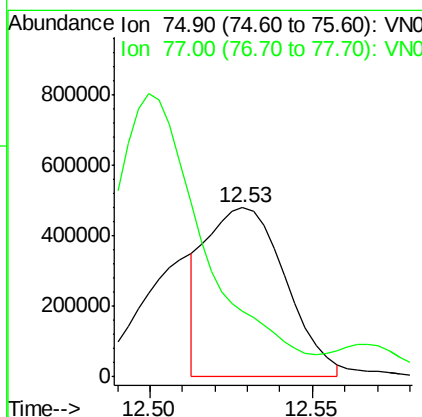
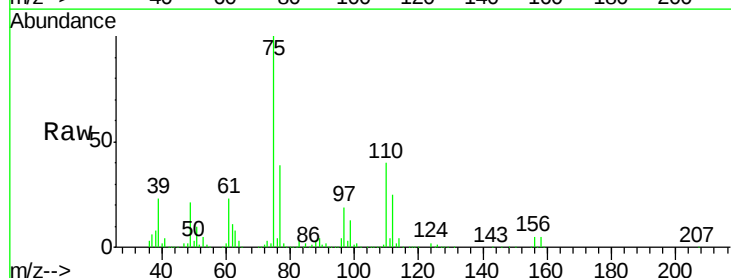
RT: 12.53 min Scan# 3345

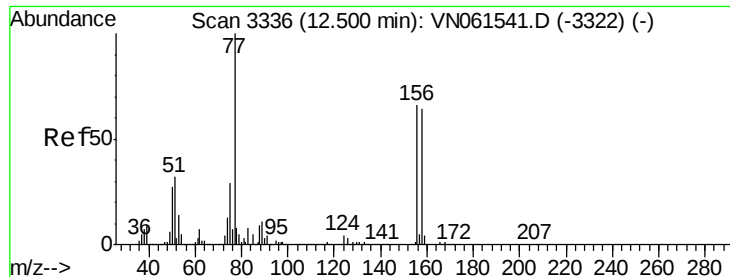
Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Tgt Ion:	75	Resp:	819255
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 159.391 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

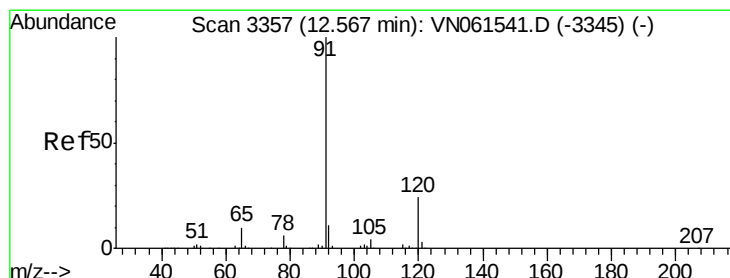
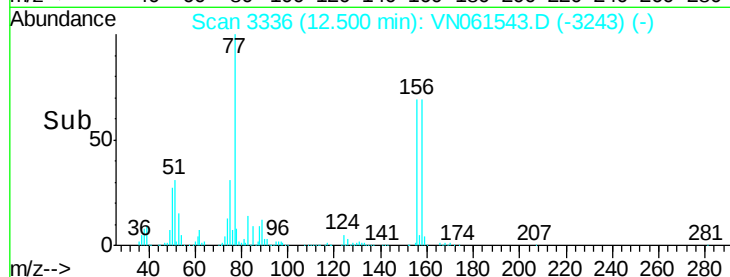
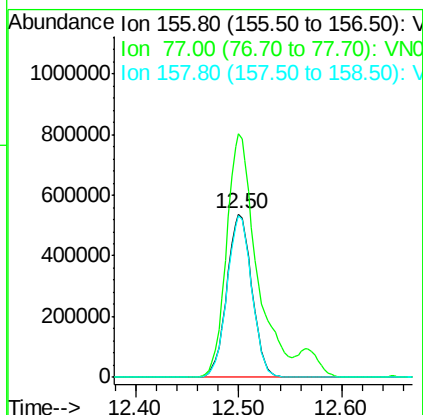
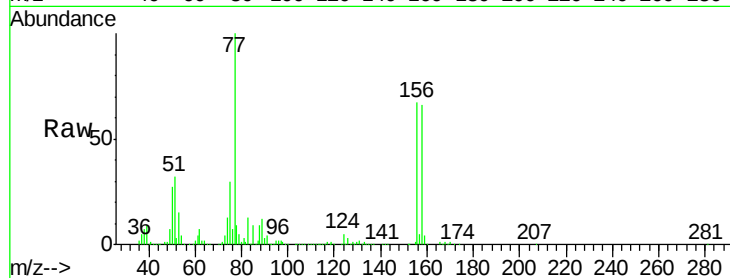
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.6	90.9	272.7
158	98.1	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 125.630 ug/l

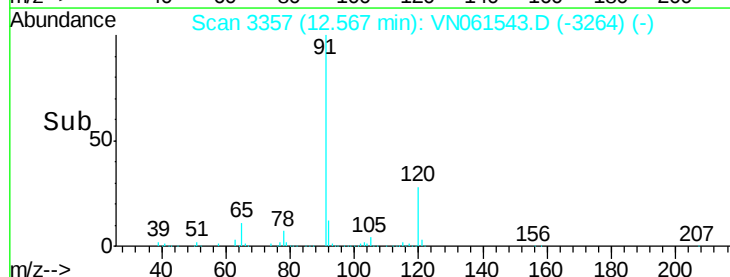
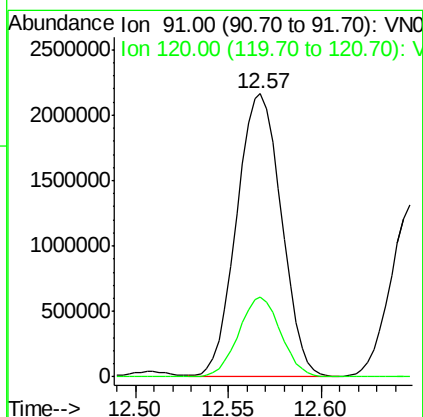
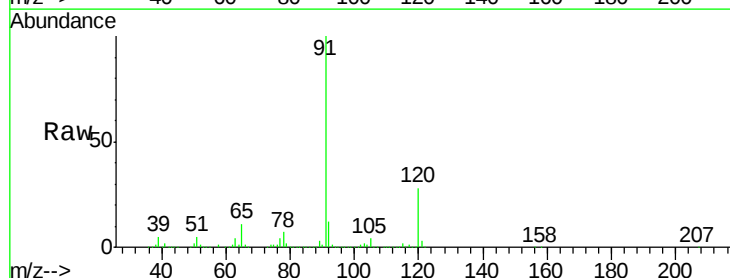
RT: 12.57 min Scan# 3357

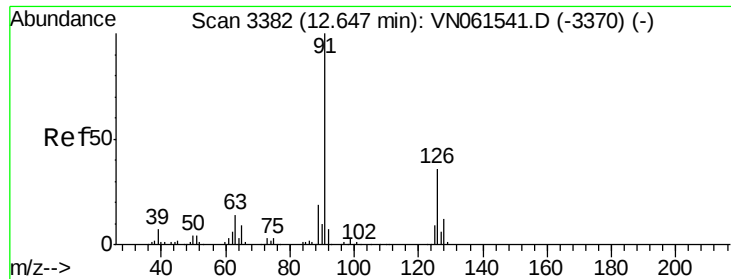
Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	26.4	12.3	36.9





#79

2-Chlorotoluene

Concen: 130.941 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 2248666

Ion Ratio Lower Upper

91 100

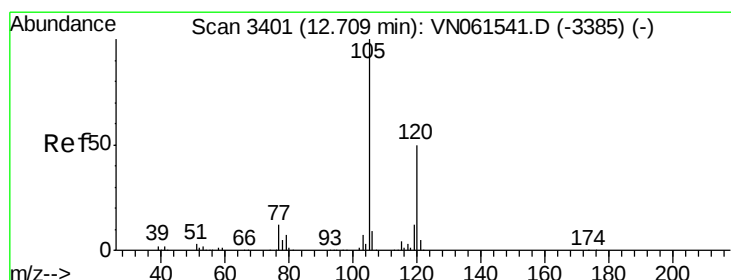
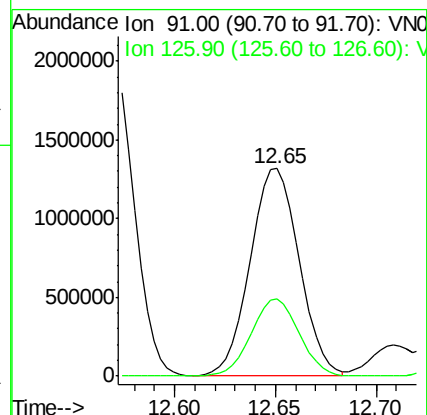
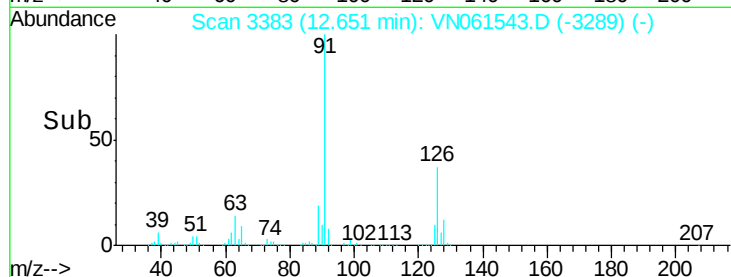
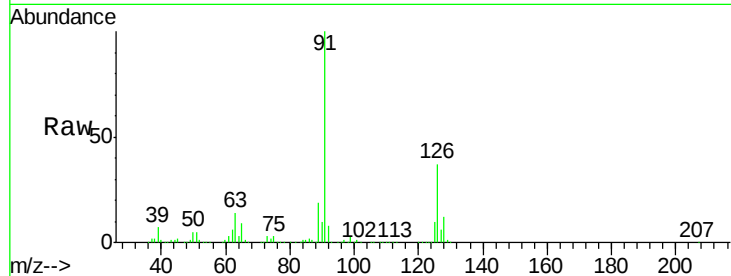
126 36.4 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 134.895 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061543.D

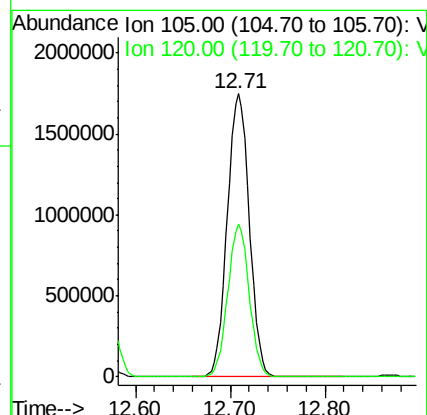
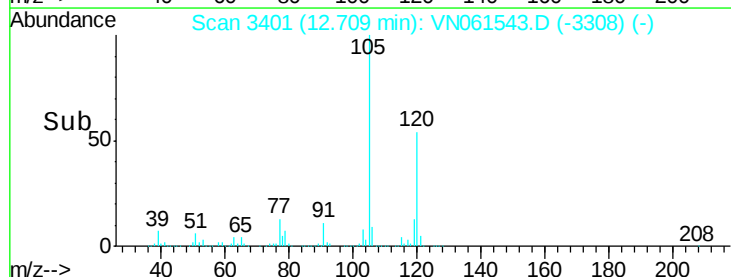
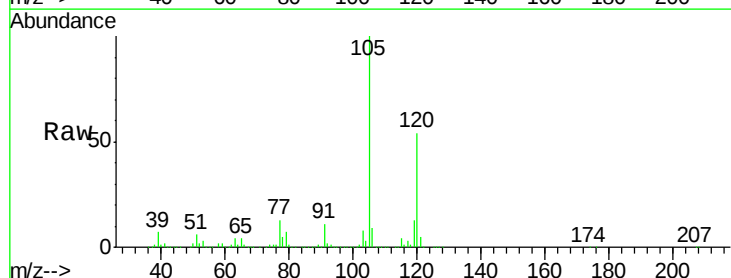
Acq: 28 May 2020 19:42

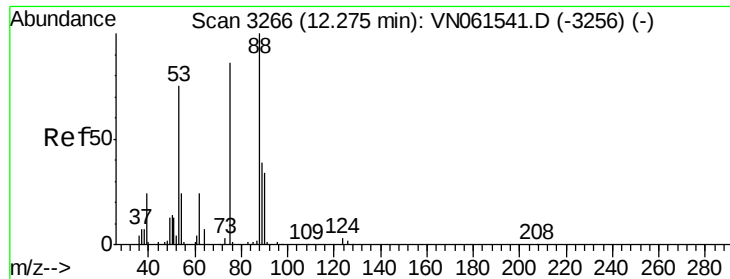
Tgt Ion:105 Resp: 2825153

Ion Ratio Lower Upper

105 100

120 52.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 137.496 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 353742

Ion Ratio Lower Upper

75 100

53 83.9 67.8 101.8

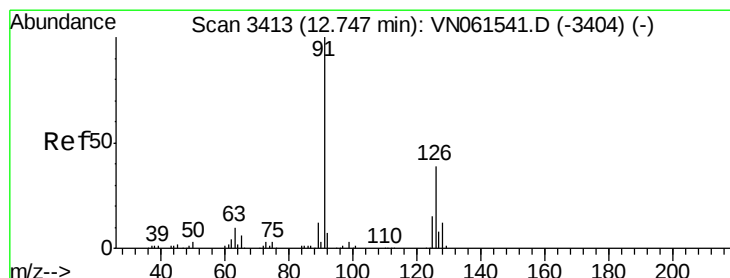
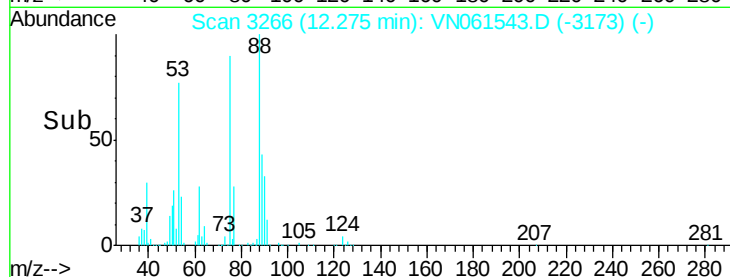
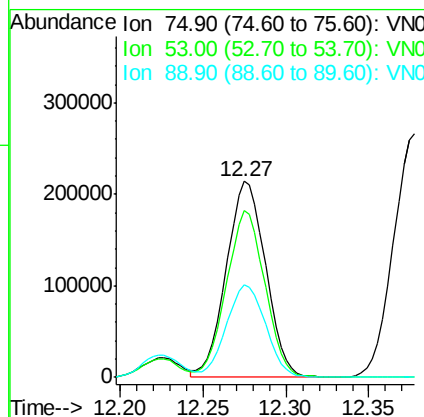
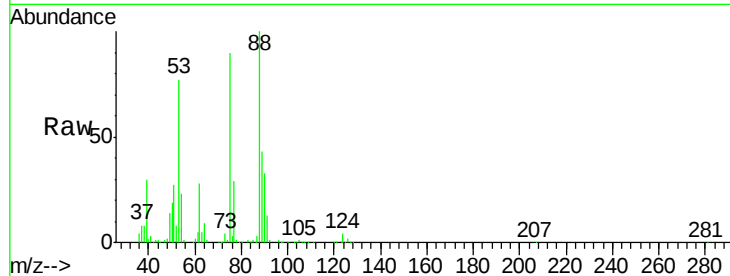
89 47.2 37.1 55.7

Manual Integrations

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#82

4-Chlorotoluene

Concen: 133.926 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061543.D

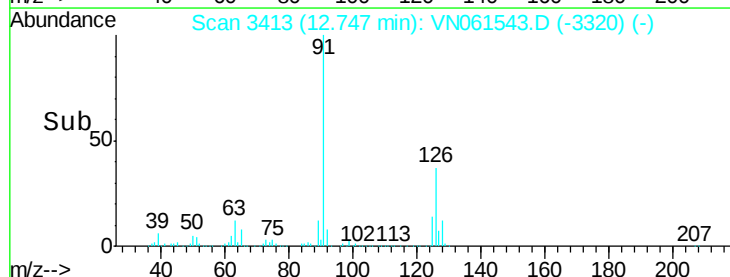
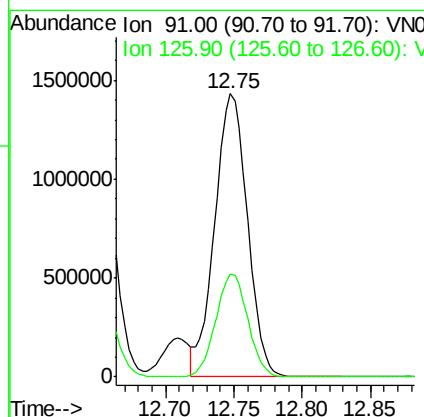
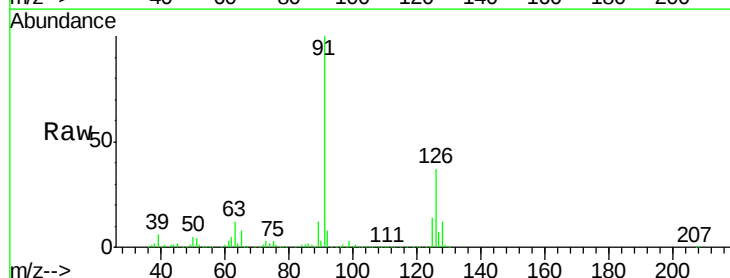
Acq: 28 May 2020 19:42

Tgt Ion: 91 Resp: 2380763

Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.6





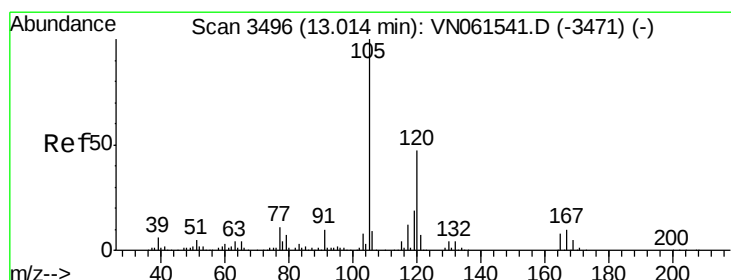
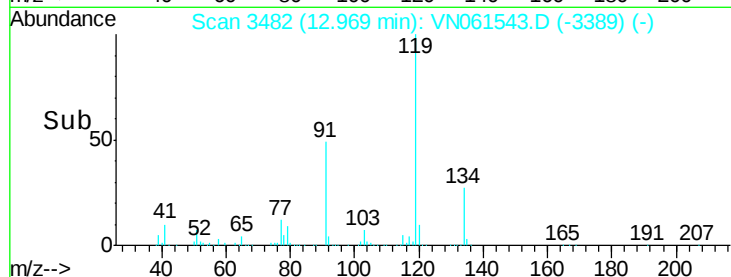
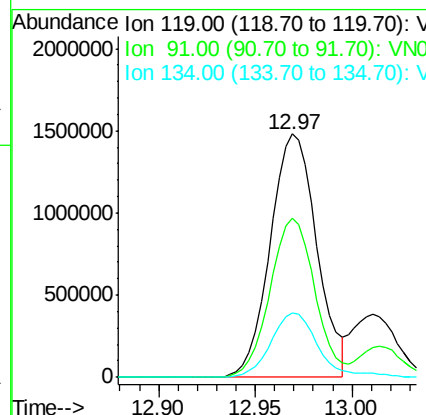
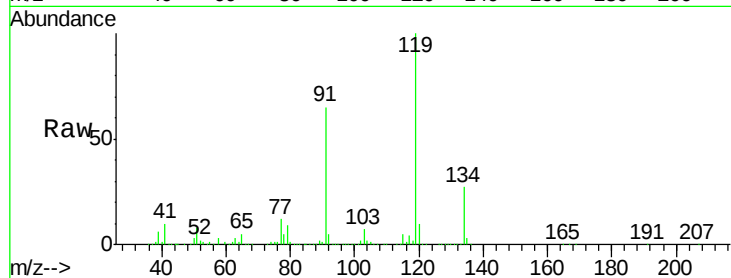
#83
 tert-Butylbenzene
 Concen: 137.763 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.3	93.8
134	27.1	13.5	40.4

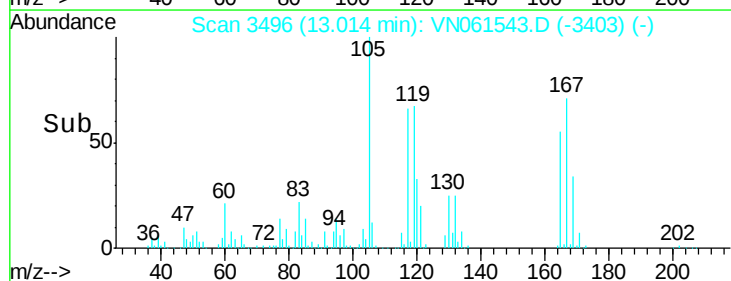
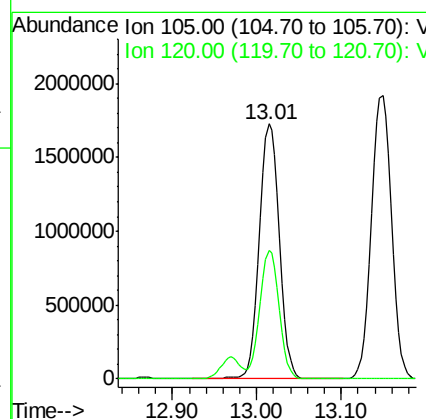
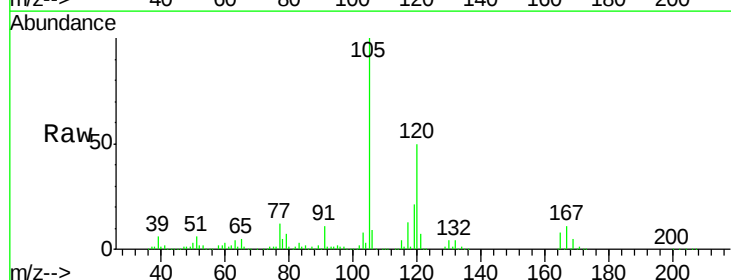
Manual Integrations
 APPROVED

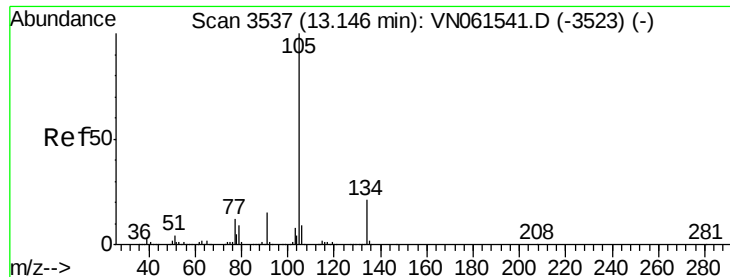
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#84
 1,2,4-Trimethylbenzene
 Concen: 135.726 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.2	69.5





#85

sec-Butylbenzene

Concen: 131.396 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 3175077

Ion Ratio Lower Upper

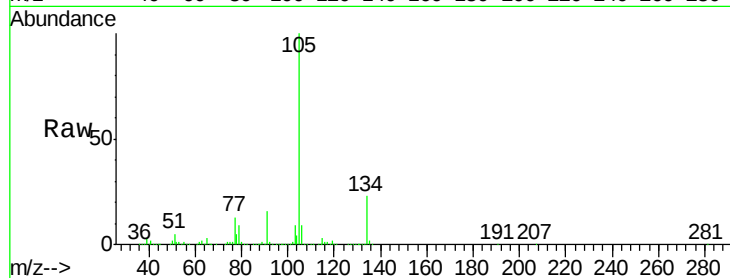
105 100

134 22.3 10.7 31.9

Manual Integrations
APPROVED

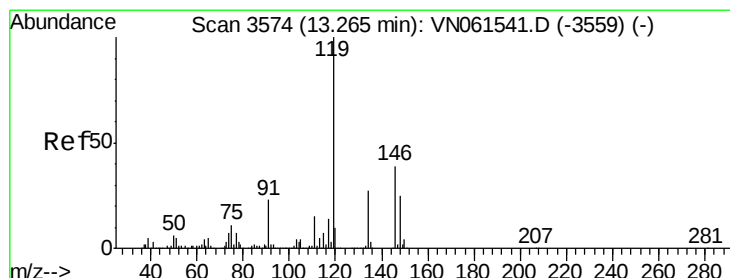
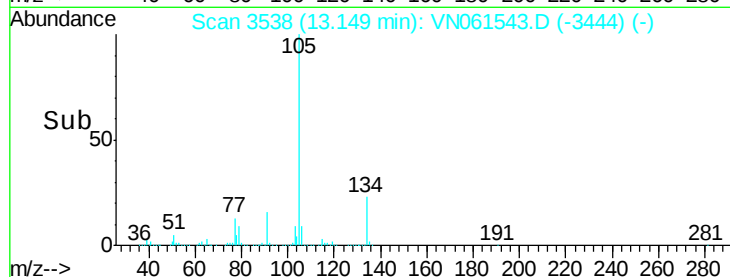
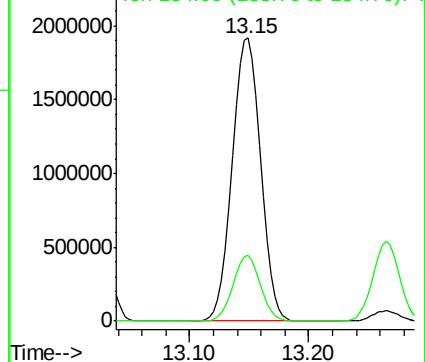
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 137.759 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

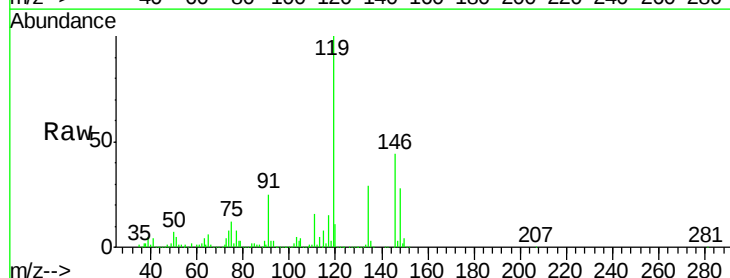
Tgt Ion:119 Resp: 2973849

Ion Ratio Lower Upper

119 100

134 28.4 13.5 40.5

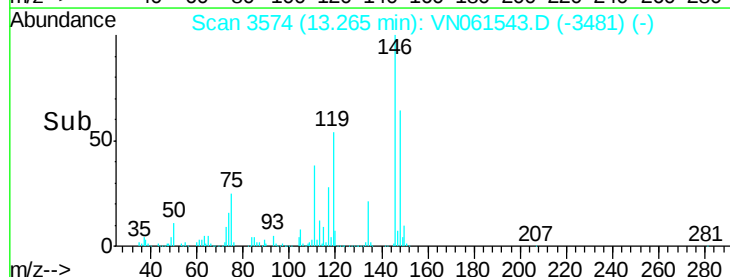
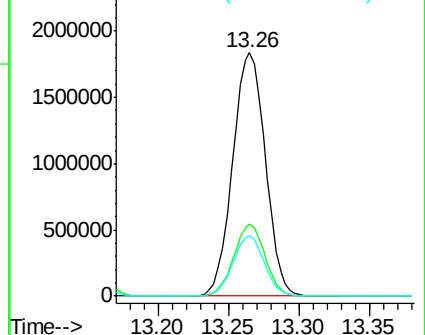
91 23.8 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





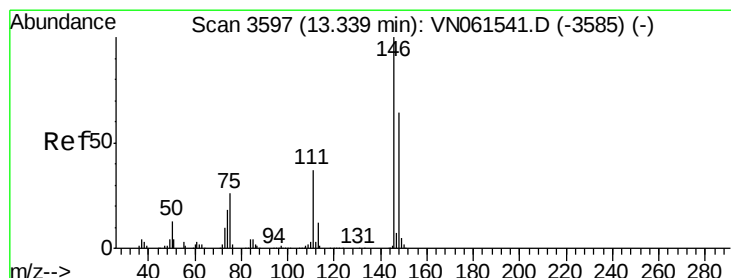
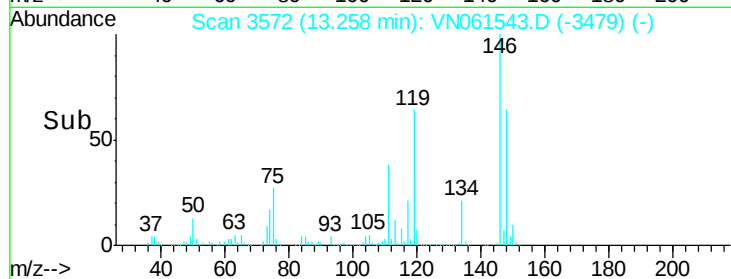
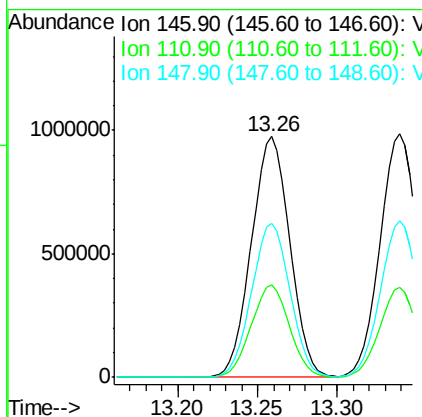
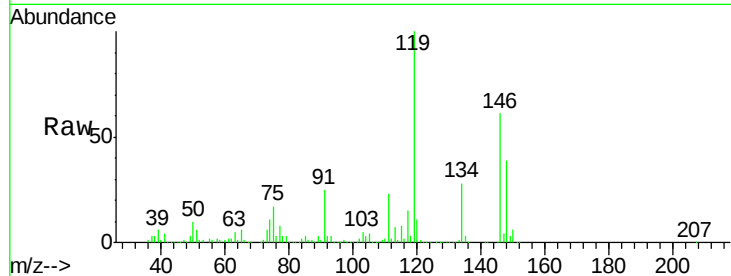
#87
 1,3-Dichlorobenzene
 Concen: 155.677 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1610093
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.2 57.6
 148 63.8 31.7 95.1

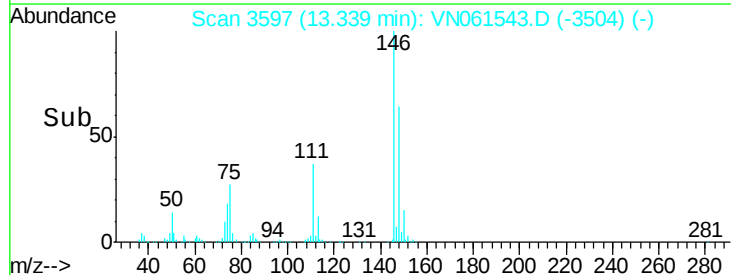
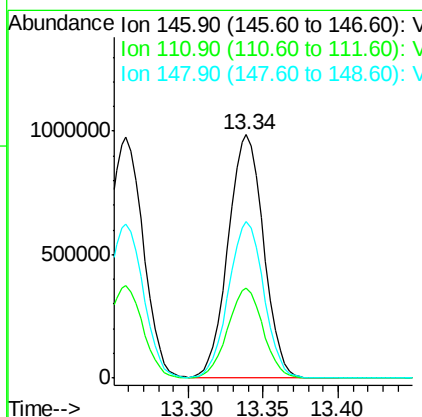
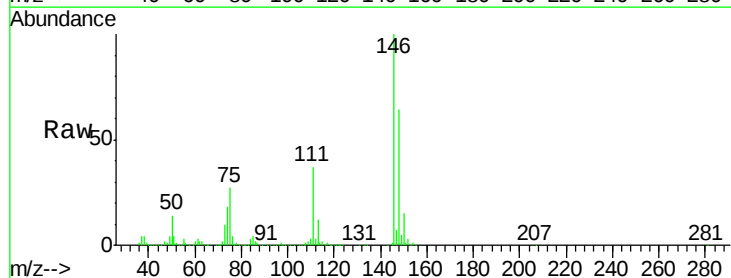
Manual Integrations
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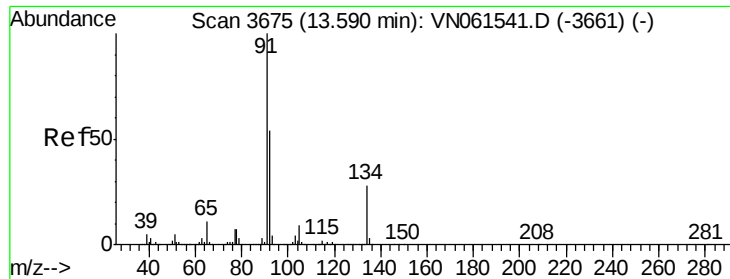
MMDadoda
 5/29/2020 5:46:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 157.170 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion:146 Resp: 1627485
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.9
 148 64.1 31.8 95.3





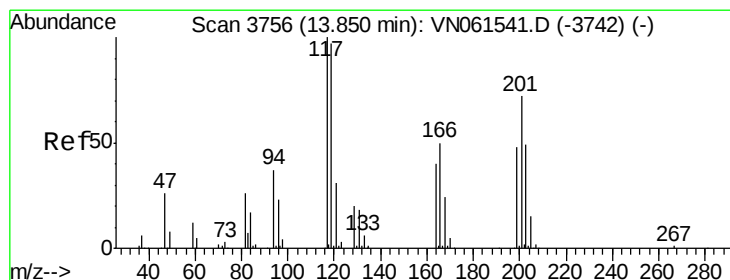
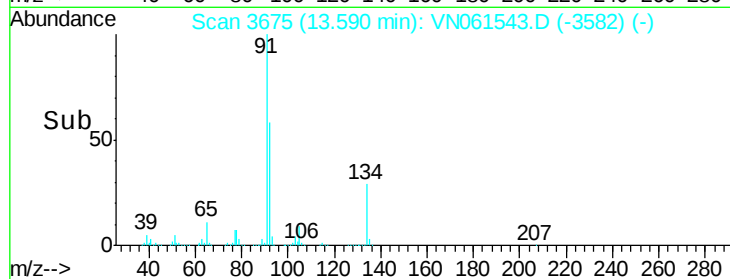
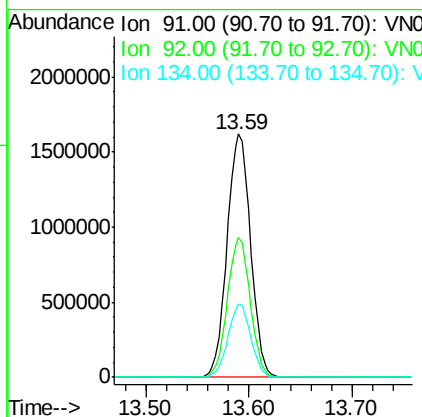
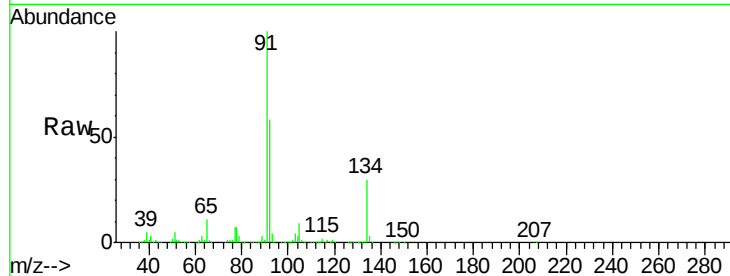
#89
n-Butylbenzene
Concen: 133.089 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.0	27.2	81.6
134	29.3	14.0	42.0

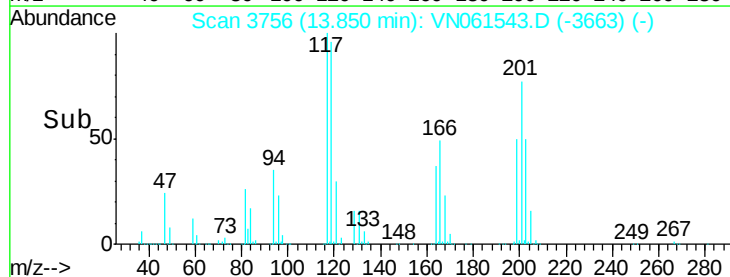
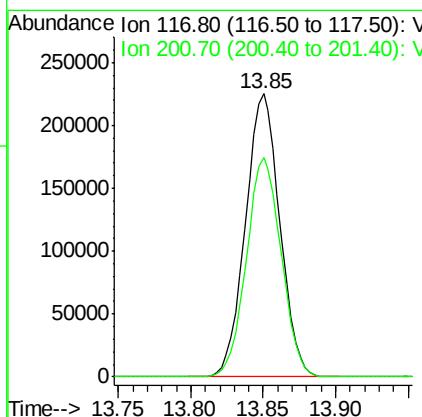
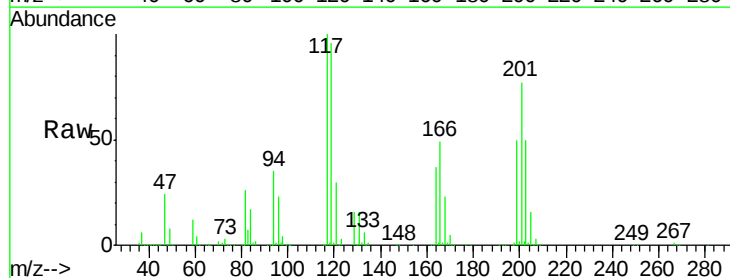
Manual Integrations
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5/29/2020 5:46:53 PM



#90
Hexachloroethane
Concen: 132.241 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061543.D
Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	36.7	110.1





#91

1,2-Dichlorobenzene

Concen: 153.105 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1519162

Ion Ratio Lower Upper

146 100

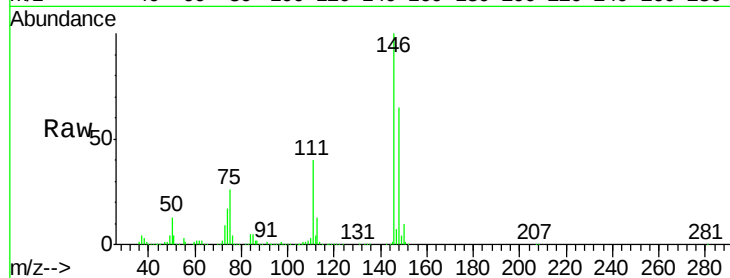
111 39.6 20.1 60.2

148 64.3 31.9 95.5

Manual Integrations
APPROVED

MMDadoda

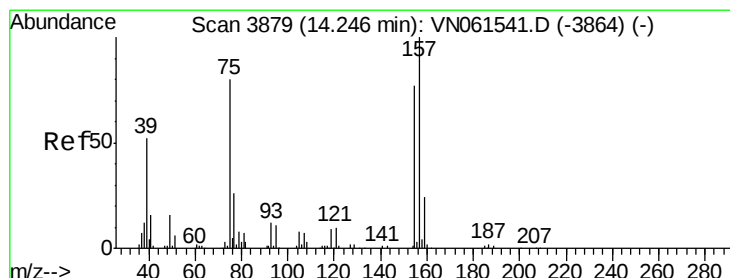
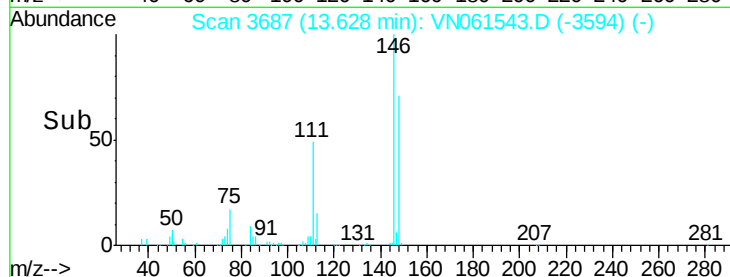
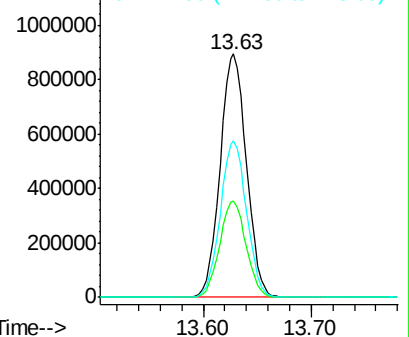
5/29/2020 5:46:53 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 135.531 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

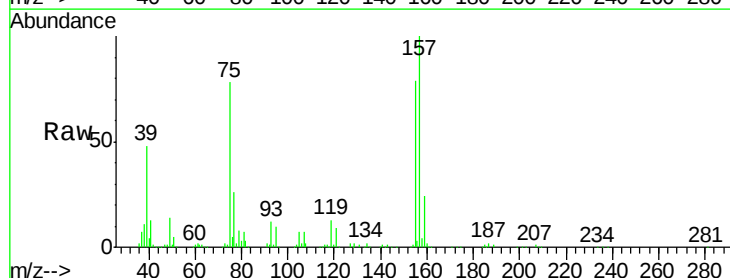
Tgt Ion: 75 Resp: 192691

Ion Ratio Lower Upper

75 100

155 99.0 47.1 141.4

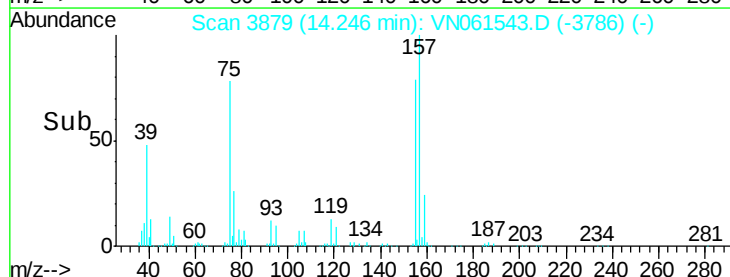
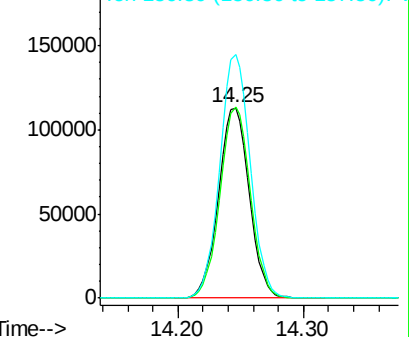
157 126.6 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





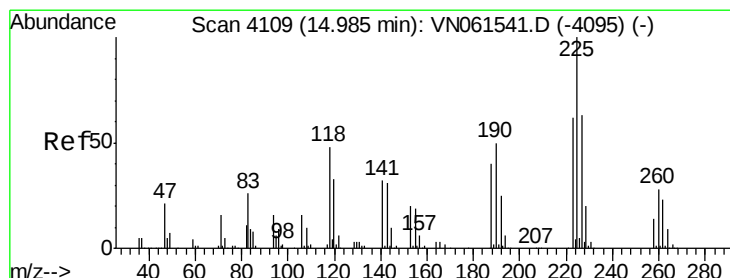
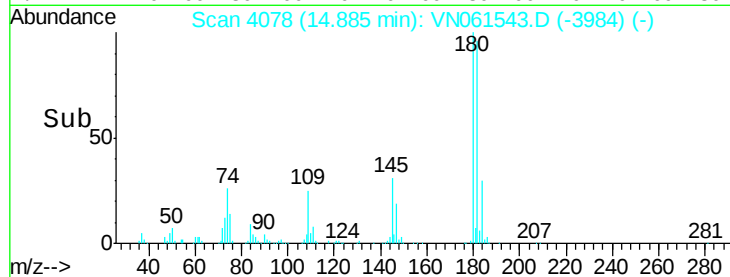
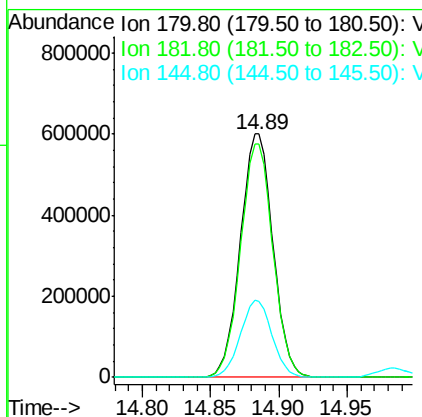
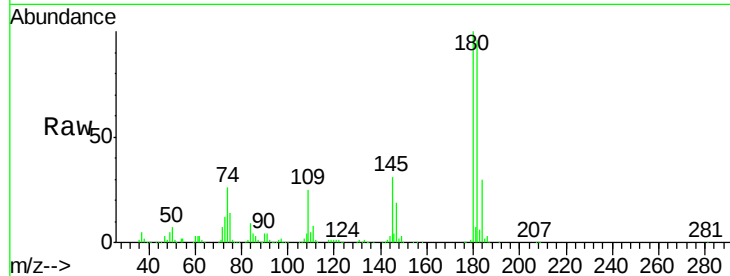
#93
 1,2,4-Trichlorobenzene
 Concen: 182.865 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.8	143.3	
145	30.9	15.5	46.5	

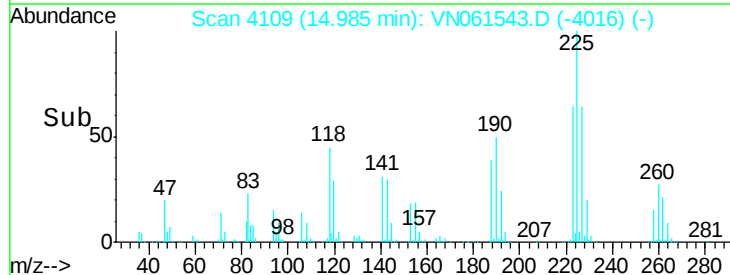
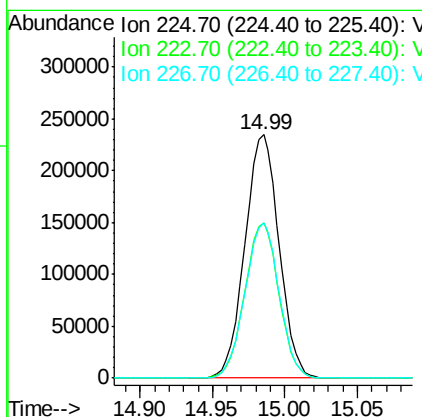
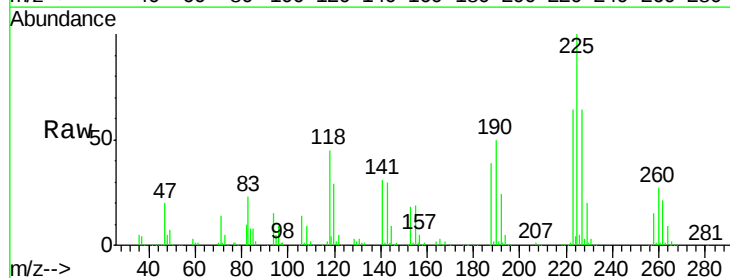
Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:46:53 PM



#94
 Hexachlorobutadiene
 Concen: 160.862 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061543.D
 Acq: 28 May 2020 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.9	95.5	
227	63.6	31.9	95.9	





#95

Naphthalene

Concen: 171.798 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Instrument :

MSVOA_N

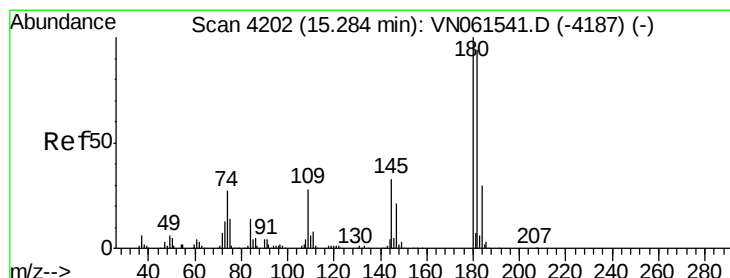
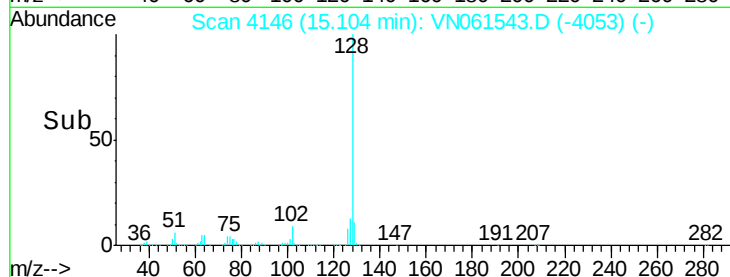
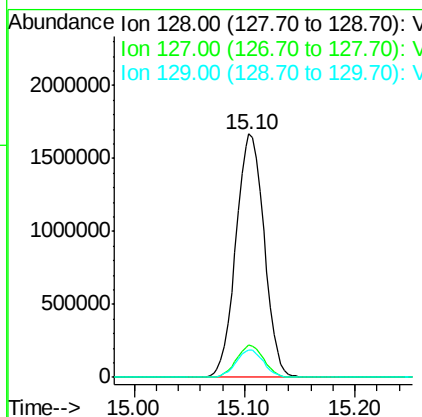
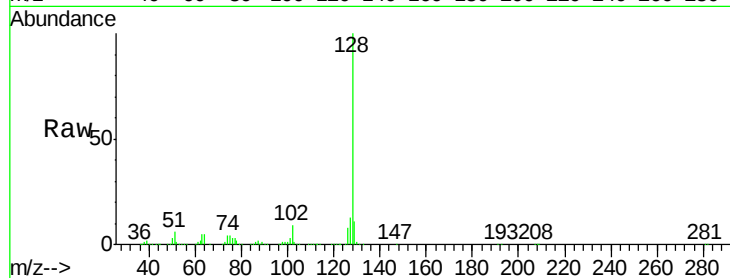
ClientSampled :

VSTDIC150

Tot Ion:	128	Resp:	2956511
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
5/29/2020 5:46:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 177.219 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061543.D

Acq: 28 May 2020 19:42

Tgt Ion:	180	Resp:	961243
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.1	141.3
145	32.7	16.3	48.9

