

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059692.D
 Acq On : 13 Jan 2020 15:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 11:00:00 AM

Quant Time: Jan 14 08:50:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	308726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	320100	111.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.88%	
35) Dibromofluoromethane	7.56	113	269031	139.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.54%	
50) Toluene-d8	10.08	98	1033912	135.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.38%	
62) 4-Bromofluorobenzene	12.40	95	384268	137.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	334695	131.213	ug/l	99
3) Chloromethane	2.04	50	322214	79.601	ug/l	99
4) Vinyl Chloride	2.17	62	391826	102.075	ug/l	97
5) Bromomethane	2.51	94	232678	104.268	ug/l	99
6) Chloroethane	2.67	64	181858	84.296	ug/l	98
7) Trichlorofluoromethane	3.00	101	447540	106.262	ug/l	99
8) Diethyl Ether	3.38	74	157375	119.592	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.73	101	249348	117.482	ug/l	92
10) Methyl Iodide	3.93	142	418668	149.002	ug/l	95
11) Tert butyl alcohol	4.73	59	259149	492.106	ug/l	99
12) 1,1-Dichloroethene	3.71	96	255921	123.606	ug/l	89
13) Acrolein	3.57	56	186749	497.833	ug/l	98
14) Allyl chloride	4.29	41	360101	84.722	ug/l #	87
15) Acrylonitrile	4.94	53	633926	497.663	ug/l	99
16) Acetone	3.78	43	527709	309.435	ug/l	97
17) Carbon Disulfide	4.03	76	744242	104.683	ug/l	100
18) Methyl Acetate	4.28	43	371171	103.867	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	839253	114.803	ug/l	96
20) Methylene Chloride	4.52	84	284066	115.333	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	273577	118.528	ug/l	90
22) Diisopropyl ether	5.91	45	800228	102.124	ug/l	97
23) Vinyl Acetate	5.86	43	3130786	509.125	ug/l #	95
24) 1,1-Dichloroethane	5.81	63	476658	107.386	ug/l	97
25) 2-Butanone	6.80	43	845836	414.762	ug/l	93
26) 2,2-Dichloropropane	6.80	77	445286	110.378	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	314546	122.983	ug/l	88
28) Bromochloromethane	7.17	49	198106	130.152	ug/l #	76
29) Tetrahydrofuran	7.18	42	544353	438.101	ug/l	89
30) Chloroform	7.35	83	498776	114.158	ug/l	99
31) Cyclohexane	7.63	56	431515	102.887	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	461776	117.231	ug/l	95
36) 1,1-Dichloropropene	7.77	75	382484	118.800	ug/l	96
37) Ethyl Acetate	6.90	43	351366	93.898	ug/l	97
38) Carbon Tetrachloride	7.75	117	414684	124.125	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	468410	128.264	ug/l	93
40) Benzene	8.02	78	1117397	118.761	ug/l	99
41) Methacrylonitrile	7.15	41	185271m	119.970	ug/l	
42) 1,2-Dichloroethane	8.10	62	387503	107.543	ug/l	97
43) Isopropyl Acetate	8.14	43	608866	104.656	ug/l #	95
44) Trichloroethene	8.82	130	316667	128.493	ug/l	95
45) 1,2-Dichloropropane	9.10	63	282401	111.149	ug/l	100
46) Dibromomethane	9.19	93	200016	120.162	ug/l	91
47) Bromodichloromethane	9.39	83	408631	123.129	ug/l	99
48) Methyl methacrylate	9.18	41	280865	106.408	ug/l	90
49) 1,4-Dioxane	9.18	88	104530	2763.449	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	1754216	505.727	ug/l	95
52) Toluene	10.14	92	726929	125.742	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	467446	121.789	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	488649	121.117	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	282349	124.464	ug/l	98
56) Ethyl methacrylate	10.42	69	452866	134.473	ug/l	92
57) 1,3-Dichloropropane	10.70	76	461243	116.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	768556	717.561	ug/l	91
59) 2-Hexanone	10.74	43	1331281	486.972	ug/l	94
60) Dibromochloromethane	10.89	129	335969	135.696	ug/l	99
61) 1,2-Dibromoethane	10.99	107	308189	128.098	ug/l	99
64) Tetrachloroethene	10.62	164	294646	112.364	ug/l	97
65) Chlorobenzene	11.43	112	787193	129.333	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	303310	131.195	ug/l	99
67) Ethyl Benzene	11.50	91	1406296	128.002	ug/l	97
68) m/p-Xylenes	11.62	106	1082055	266.715	ug/l	92
69) o-Xylene	11.94	106	521217	135.022	ug/l	95
70) Styrene	11.96	104	914343	147.422	ug/l	97
71) Bromoform	12.12	173	263153	151.425	ug/l #	98
73) Isopropylbenzene	12.25	105	1394061	124.461	ug/l	99
74) N-amyl acetate	12.06	43	567290	110.413	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	412555	116.113	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	339455m	96.102	ug/l	
77) Bromobenzene	12.52	156	359511	130.515	ug/l	84
78) n-propylbenzene	12.59	91	1609065	121.528	ug/l	97
79) 2-Chlorotoluene	12.67	91	935654	116.866	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1189624	125.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	161329	112.808	ug/l	93
82) 4-Chlorotoluene	12.77	91	981452	119.727	ug/l	96
83) tert-Butylbenzene	12.99	119	1015637	126.525	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1203361	127.676	ug/l	98
85) sec-Butylbenzene	13.17	105	1358611	127.237	ug/l	98
86) p-Isopropyltoluene	13.28	119	1267532	131.067	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	648172	127.967	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	651368	127.549	ug/l	97
89) n-Butylbenzene	13.61	91	1137124	125.416	ug/l	98
90) Hexachloroethane	13.87	117	242411	132.609	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	622295	124.577	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91519	87.481	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	418750	129.819	ug/l	98
94) Hexachlorobutadiene	15.01	225	201285	116.527	ug/l	100
95) Naphthalene	15.13	128	1223485	127.056	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	403835	123.783	ug/l	99

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

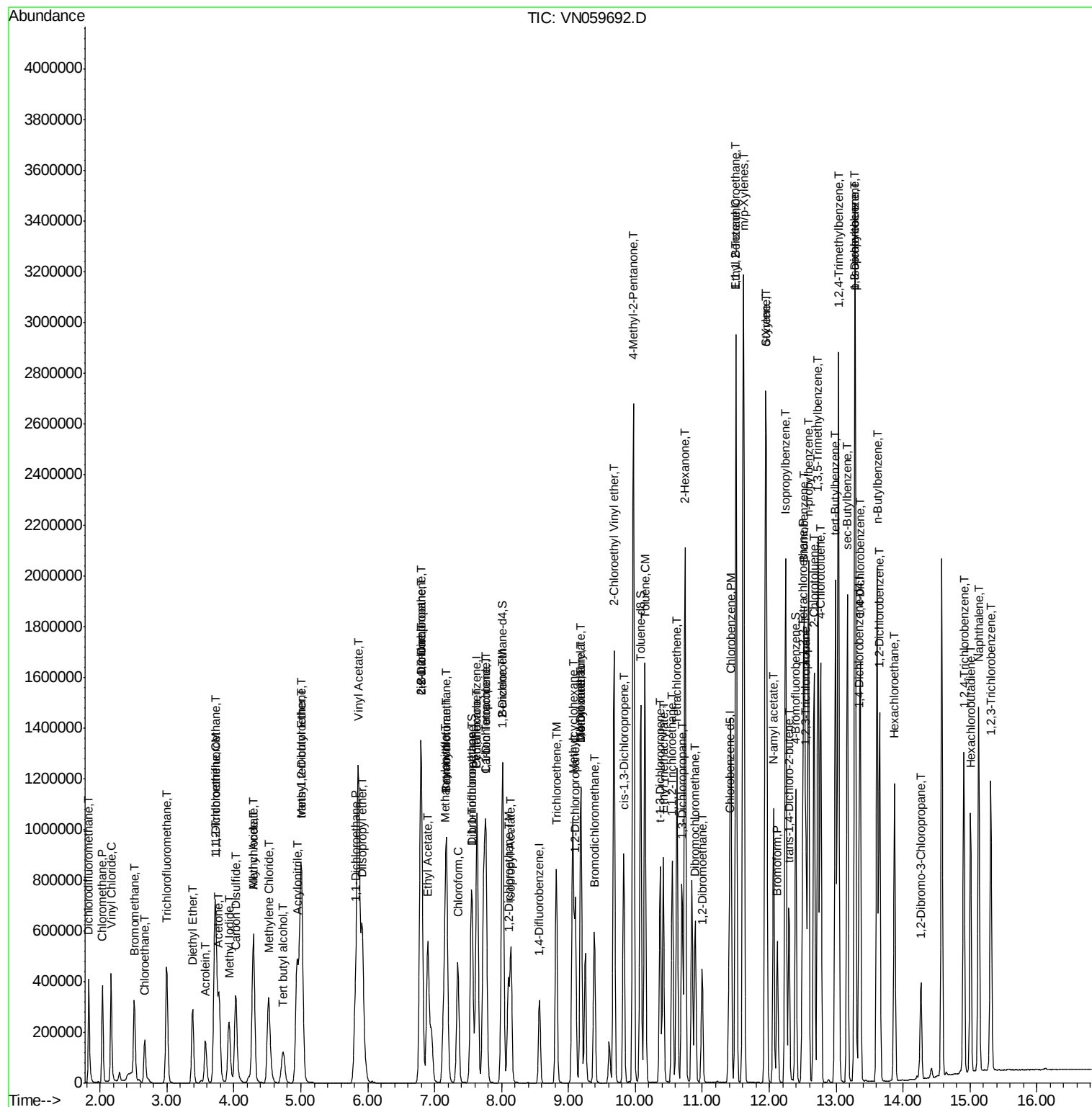
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
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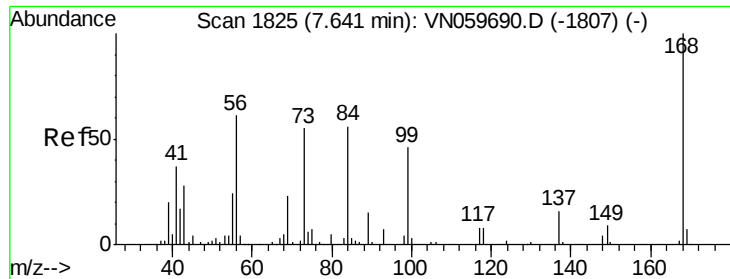
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 197399

Ion Ratio Lower Upper

168 100

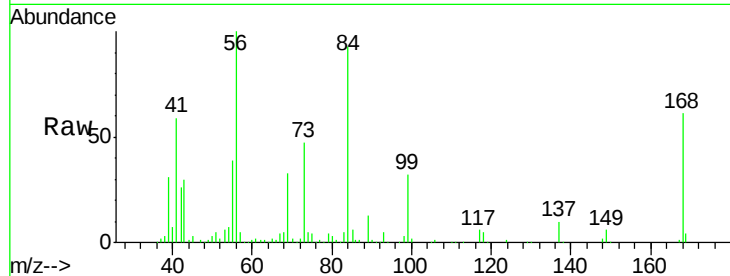
99 52.3 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

120000

100000

80000

60000

40000

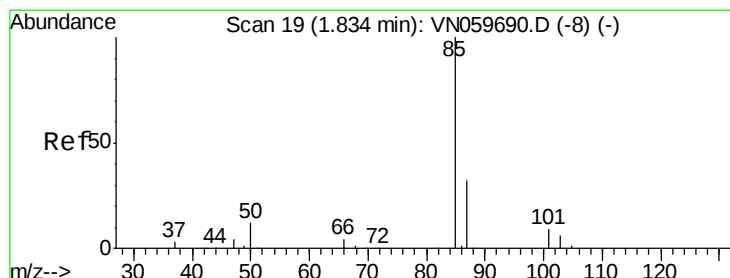
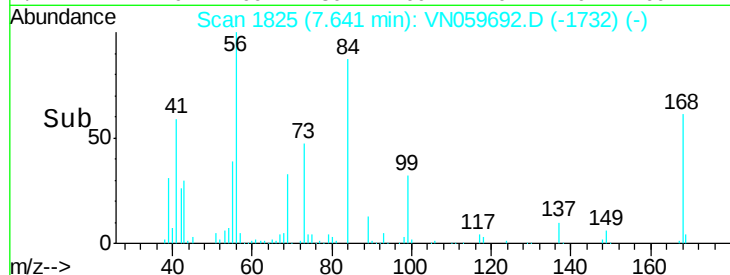
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 131.213 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059692.D

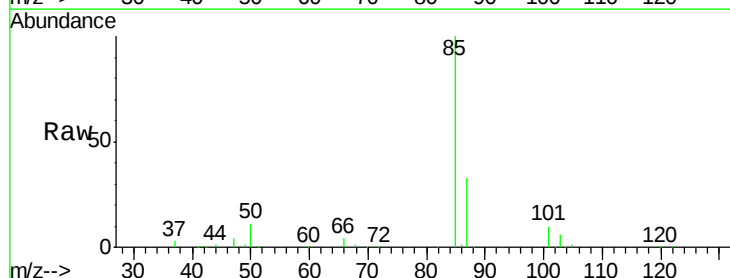
Acq: 13 Jan 2020 15:40

Tgt Ion: 85 Resp: 334695

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

100000

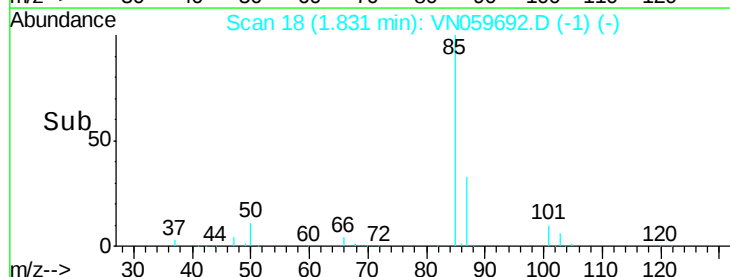
50000

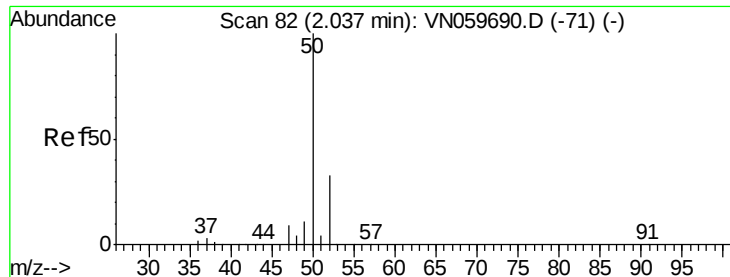
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 79.601 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 322214

Ion Ratio Lower Upper

50 100

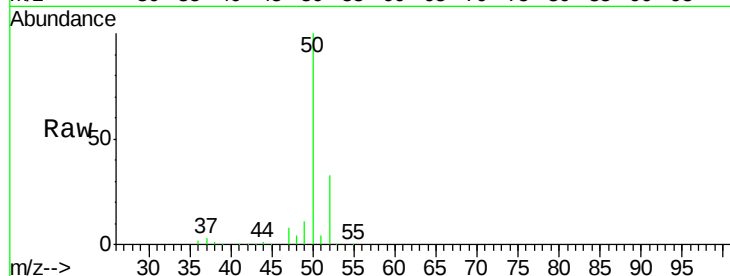
52 33.0 25.9 38.9

Manual Integrations

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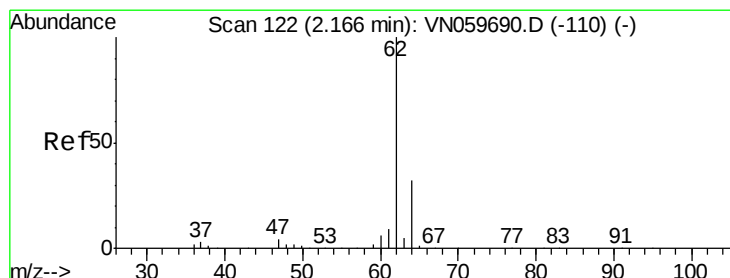
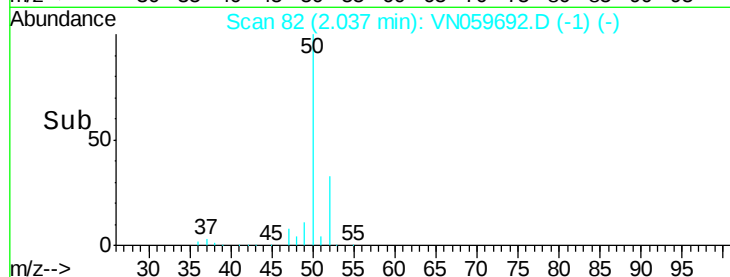
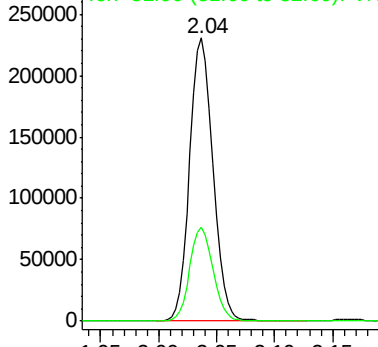
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 102.075 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059692.D

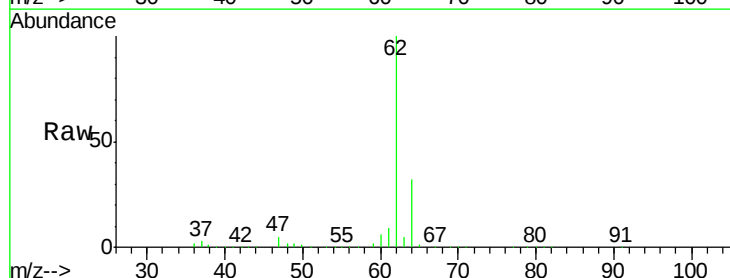
Acq: 13 Jan 2020 15:40

Tgt Ion: 62 Resp: 391826

Ion Ratio Lower Upper

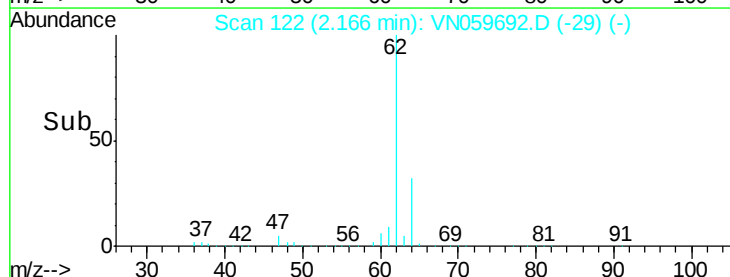
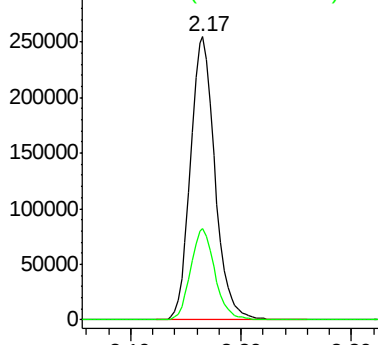
62 100

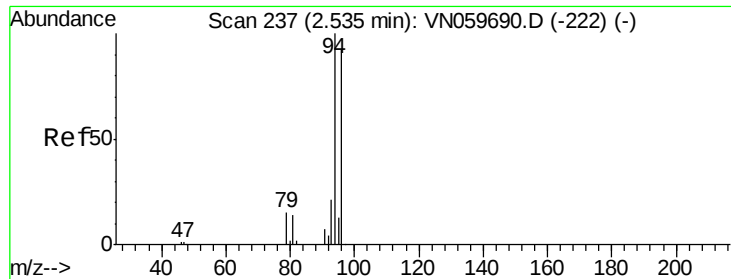
64 32.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 104.268 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.02 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 232678

Ion Ratio Lower Upper

94 100

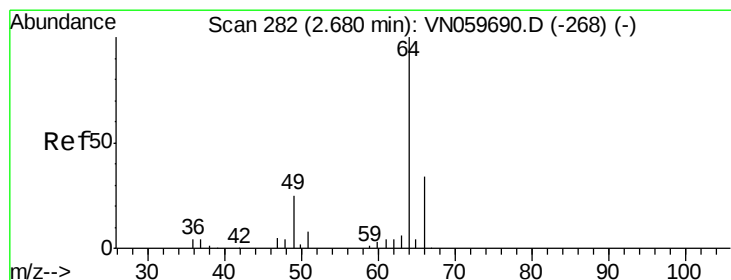
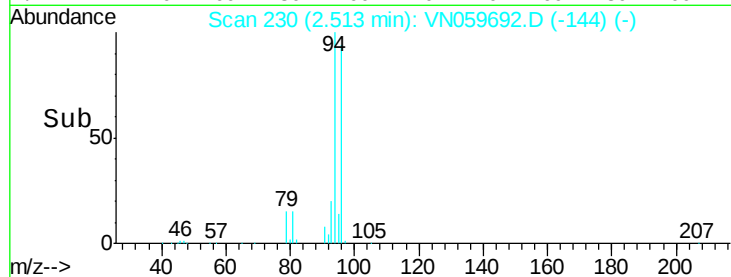
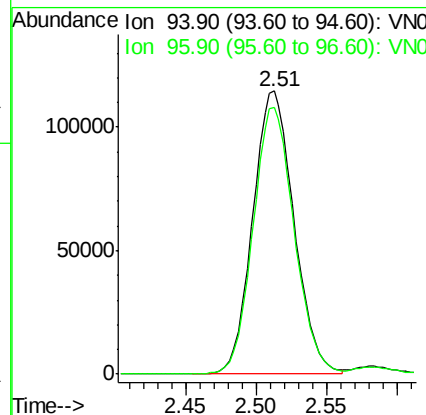
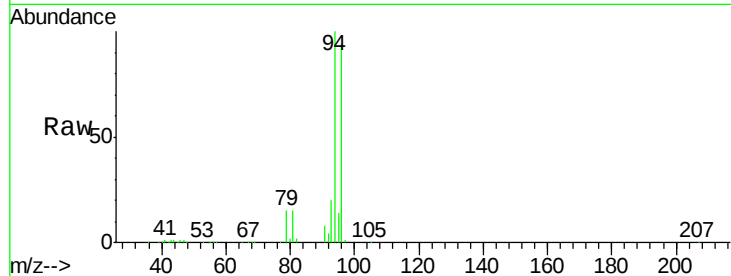
96 94.3 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 84.296 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059692.D

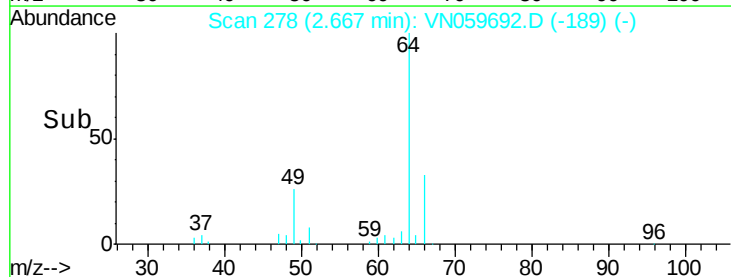
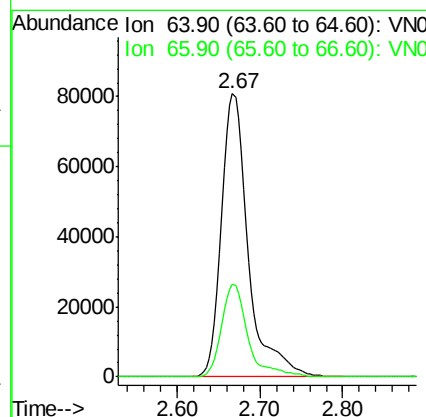
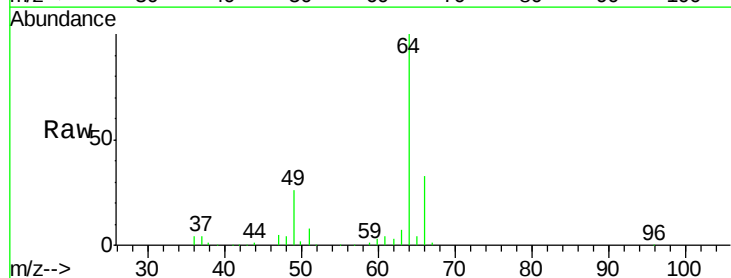
Acq: 13 Jan 2020 15:40

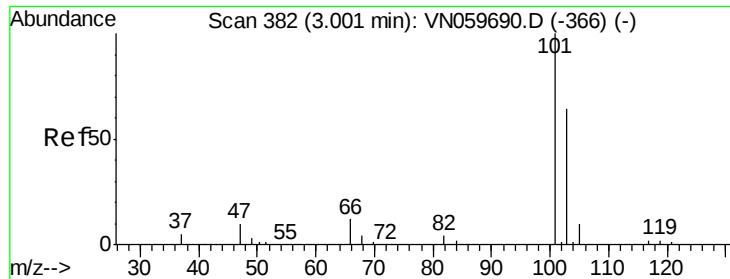
Tgt Ion: 64 Resp: 181858

Ion Ratio Lower Upper

64 100

66 32.7 25.1 37.7





#7

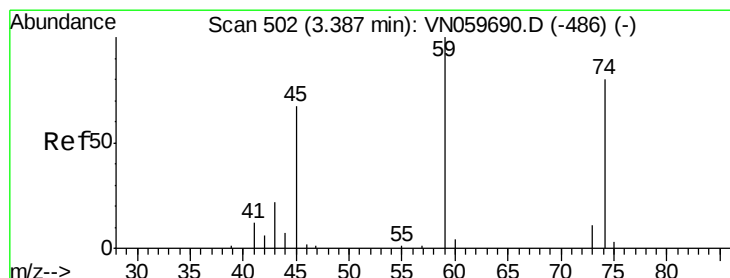
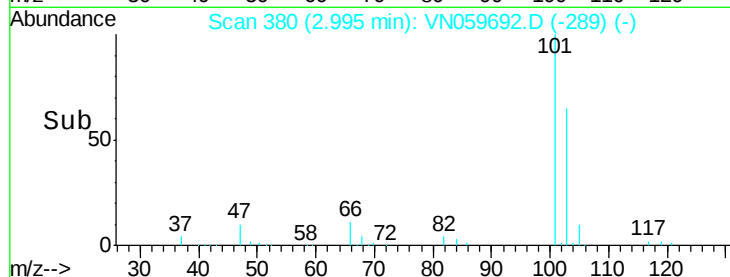
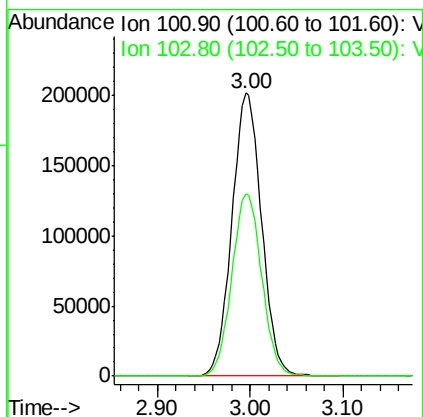
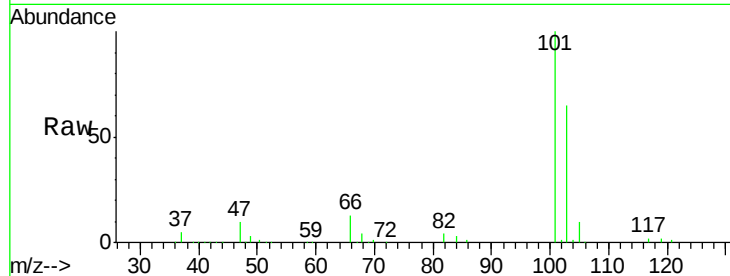
Trichlorofluoromethane
Concen: 106.262 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 447540
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6

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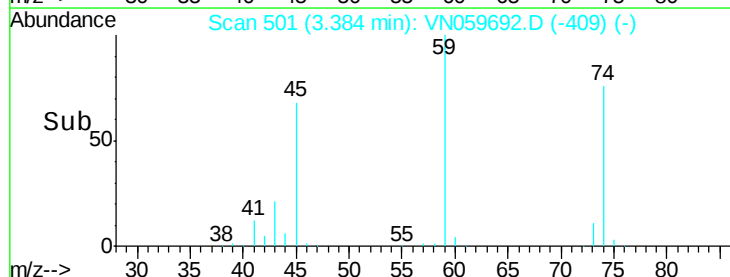
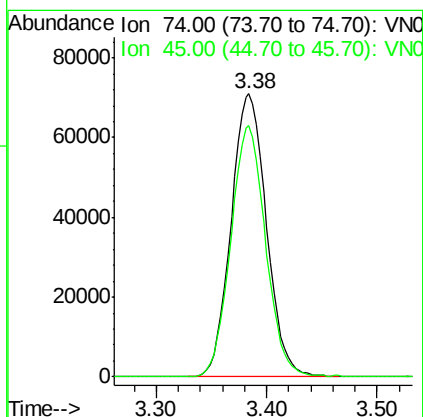
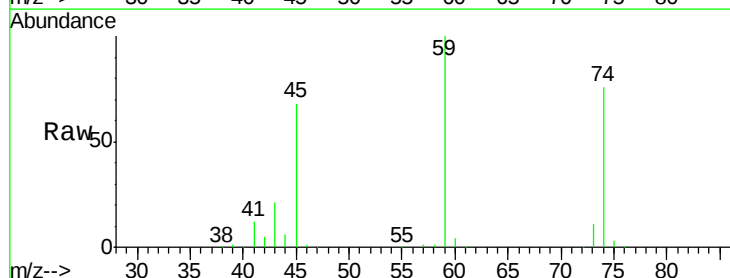
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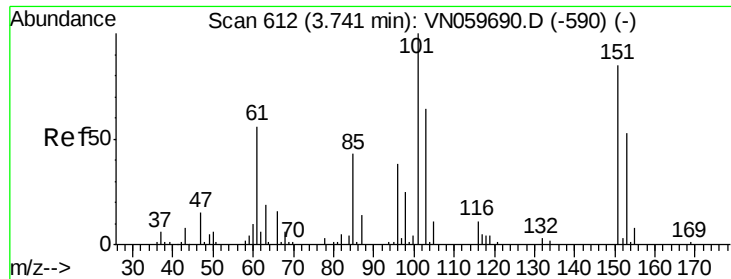


#8

Diethyl Ether
Concen: 119.592 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059692.D
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Tgt Ion: 74 Resp: 157375
Ion Ratio Lower Upper
74 100
45 87.5 51.9 155.8





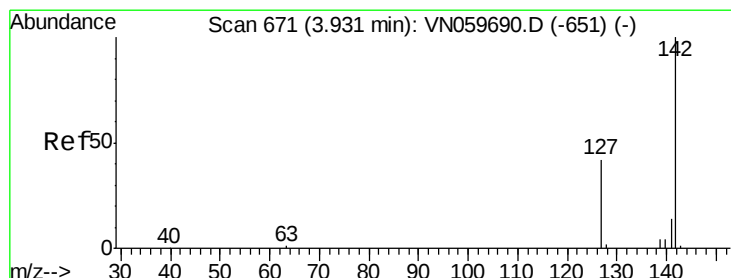
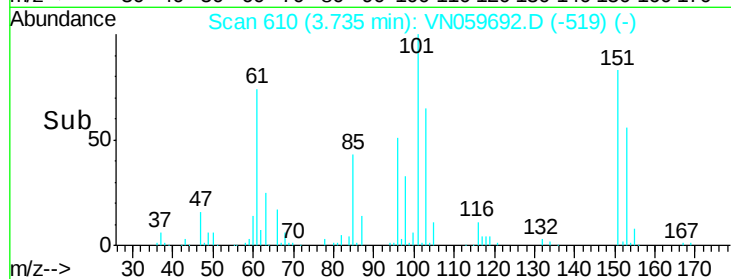
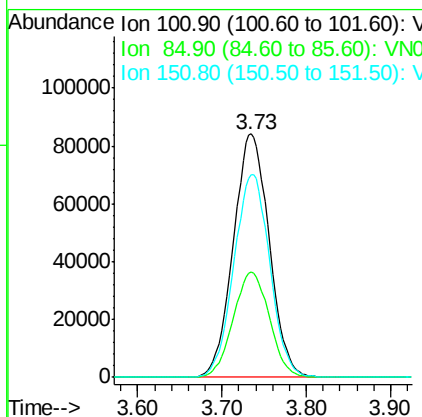
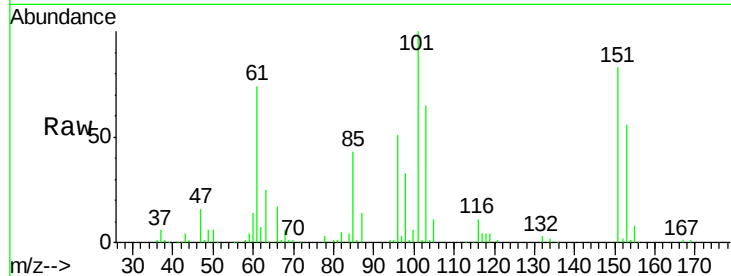
#9
1,1,2-Trichlorotrifluoroethane
Concen: 117.482 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.01 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	249348		
85	43.6	36.6	54.8	
151	83.6	59.7	89.5	

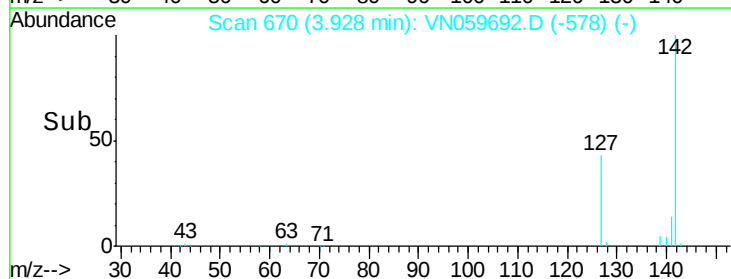
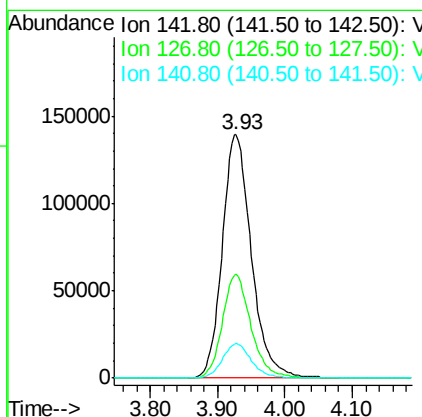
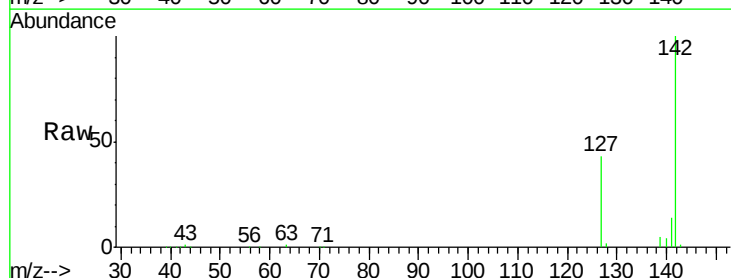
Manual Integrations
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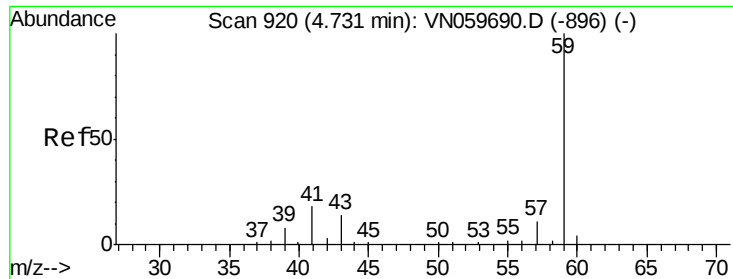
MMDadoda
1/14/2020 11:00:00 AM



#10
Methyl Iodide
Concen: 149.002 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	418668		
127	42.0	36.7	55.1	
141	14.1	11.7	17.5	





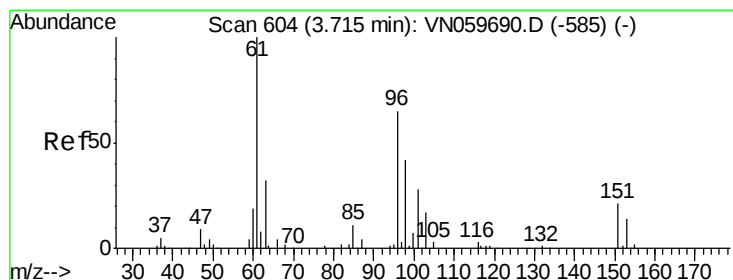
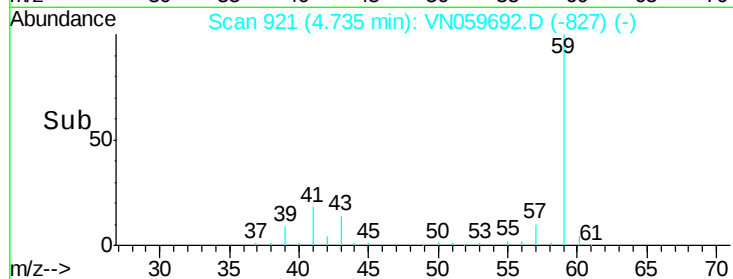
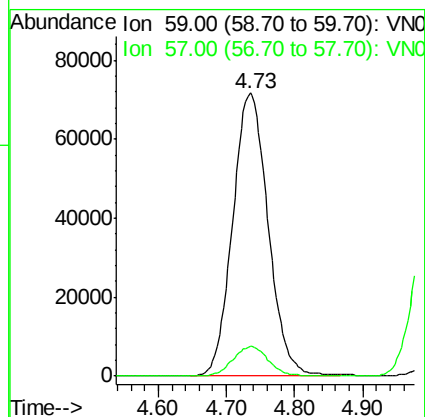
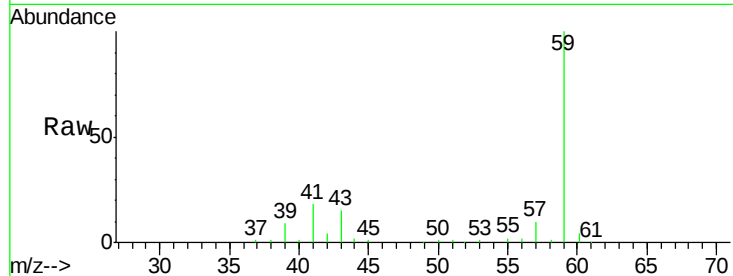
#11
Tert butyl alcohol
Concen: 492.106 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 259149
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8

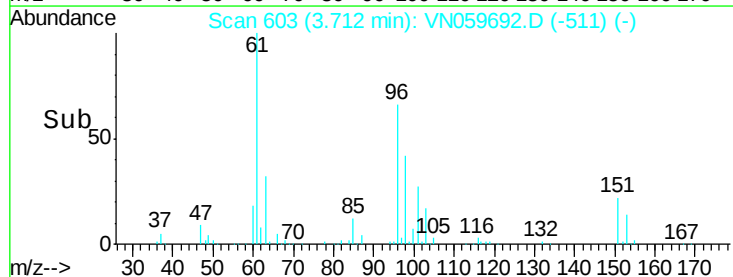
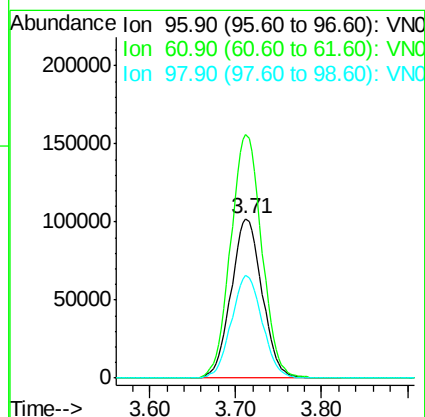
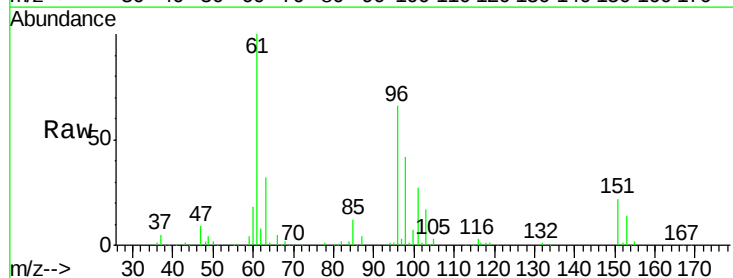
Manual Integrations
APPROVED

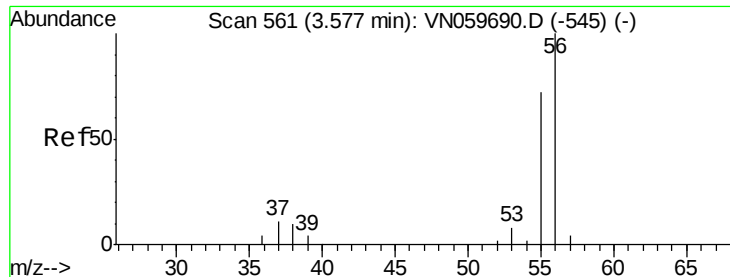
MMDadoda
1/14/2020 11:00:00 AM



#12
1,1-Dichloroethene
Concen: 123.606 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 96 Resp: 255921
Ion Ratio Lower Upper
96 100
61 152.6 137.5 206.3
98 64.0 50.2 75.4





#13

Acrolein

Concen: 497.833 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 186749

Ion Ratio Lower Upper

56 100

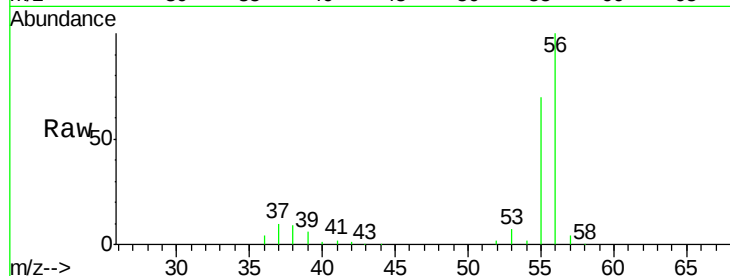
55 71.6 58.6 88.0

Manual Integrations

APPROVED

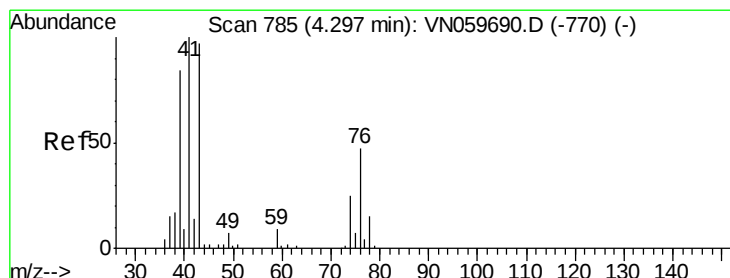
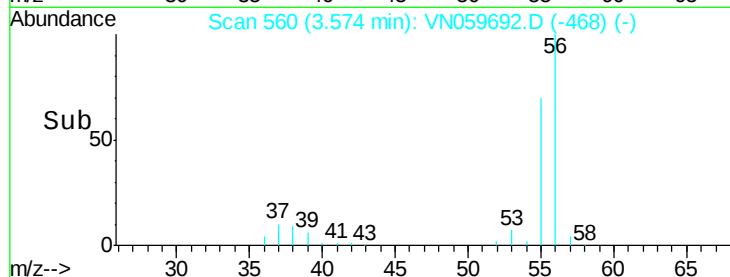
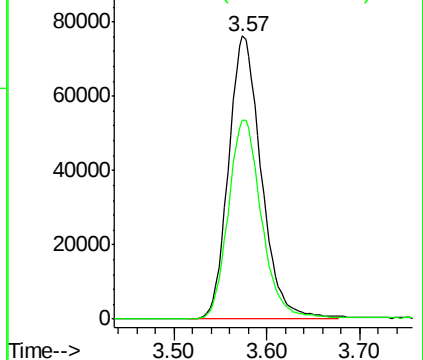
MMDadoda

1/14/2020 11:00:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 84.722 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

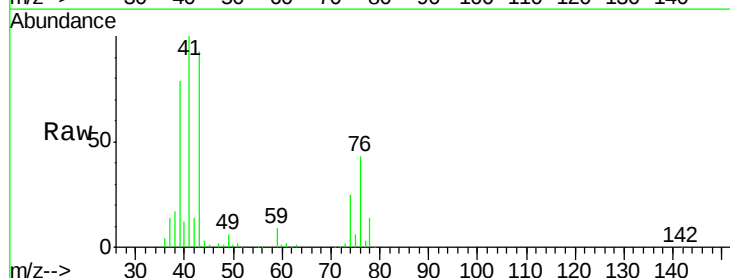
Tgt Ion: 41 Resp: 360101

Ion Ratio Lower Upper

41 100

39 80.9 57.8 86.8

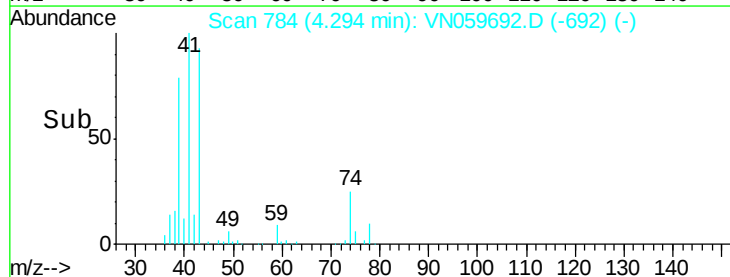
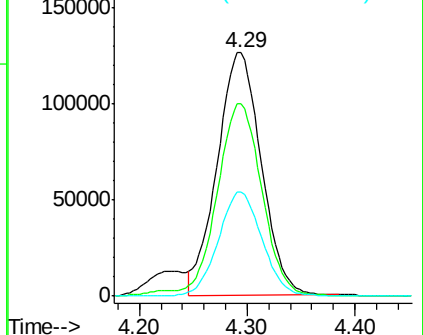
76 42.5 25.4 38.0#

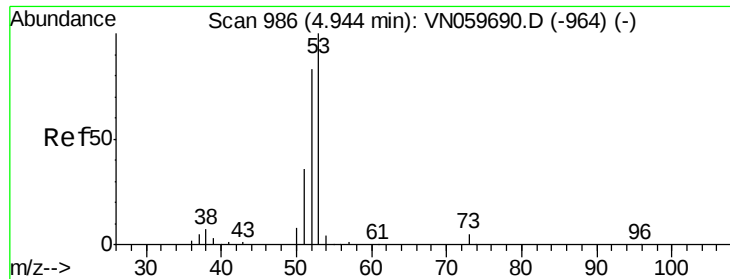


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 497.663 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

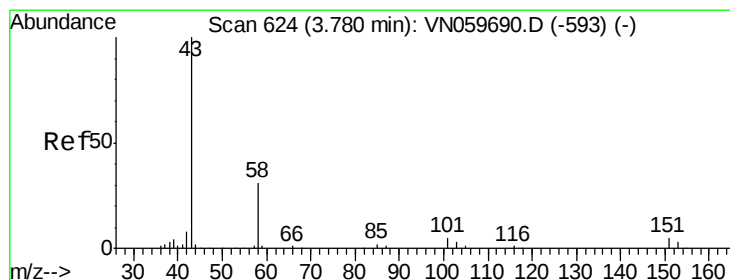
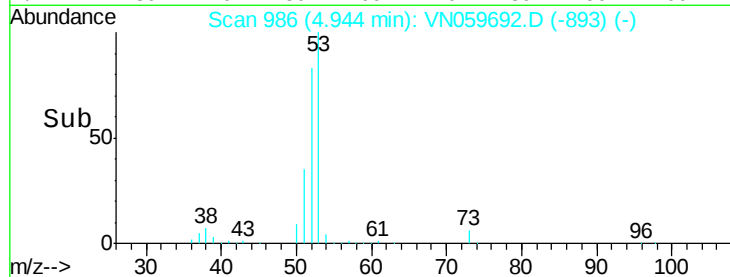
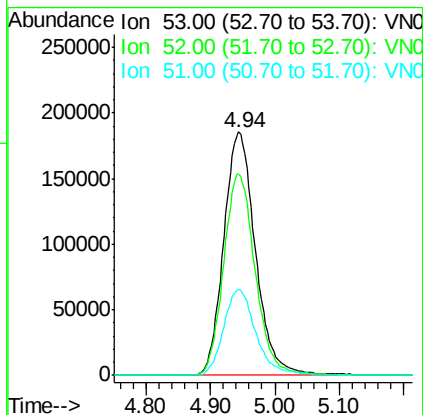
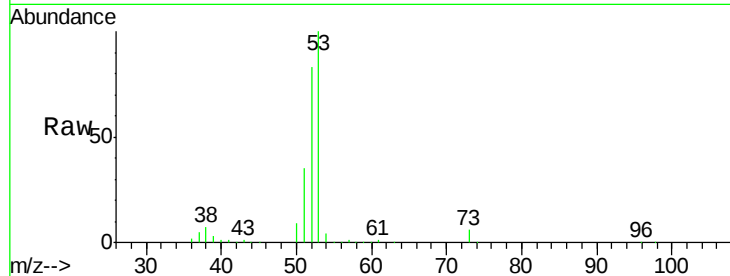
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	633926
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.3	99.5
51	36.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 309.435 ug/l

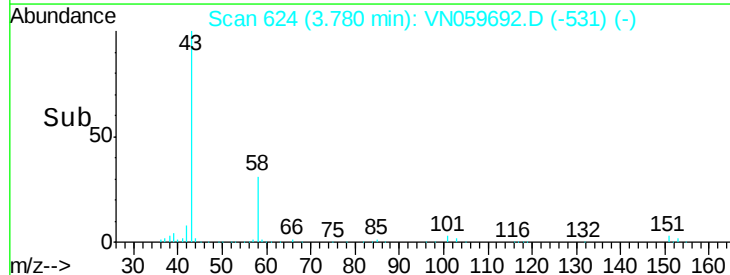
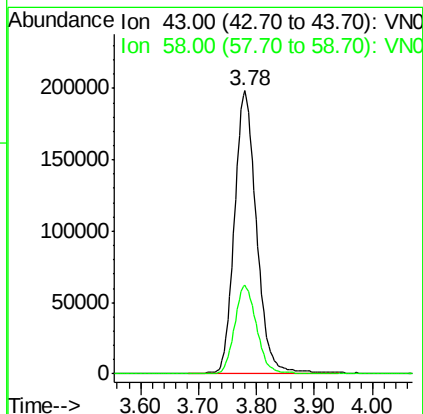
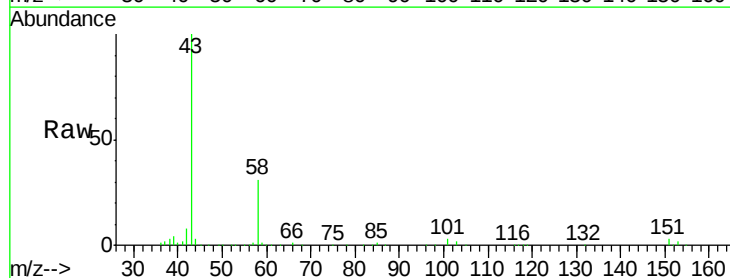
RT: 3.78 min Scan# 624

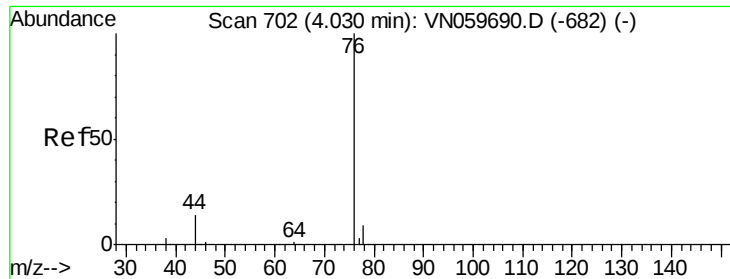
Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Tgt Ion:	43	Resp:	527709
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.6	35.4





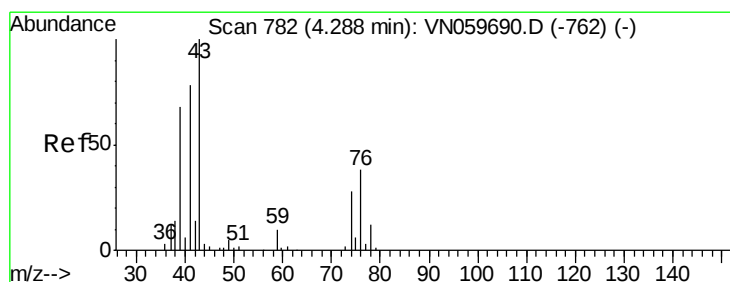
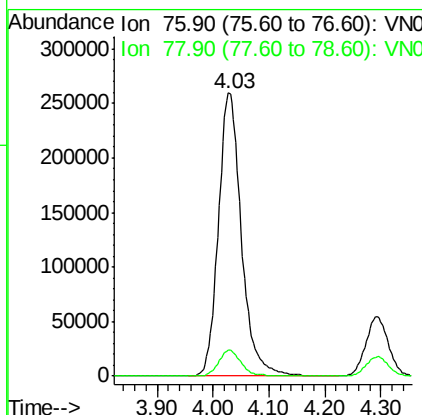
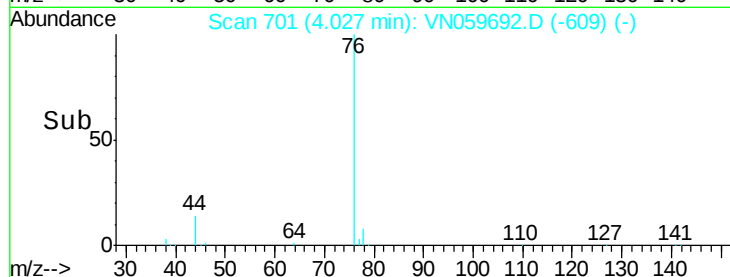
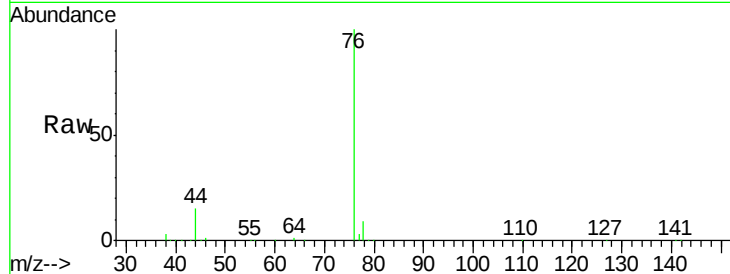
#17
Carbon Disulfide
Concen: 104.683 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

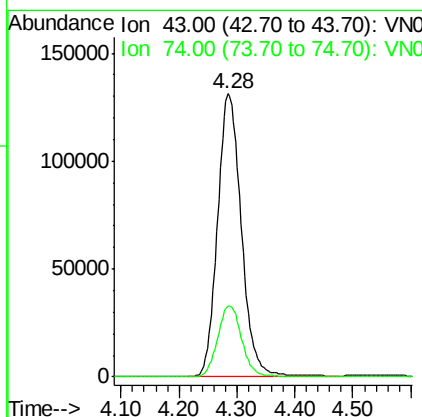
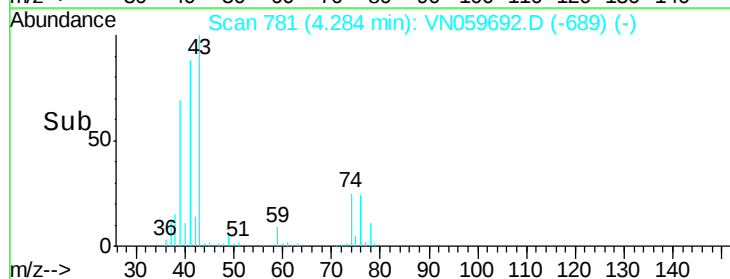
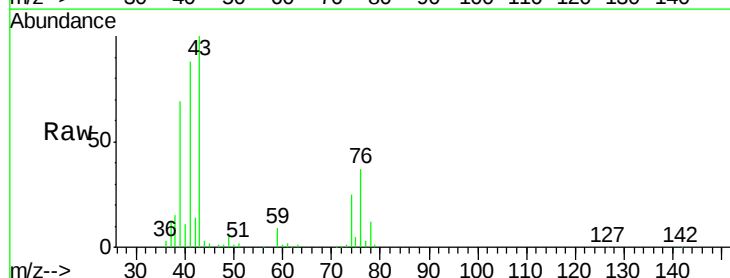
Manual Integrations
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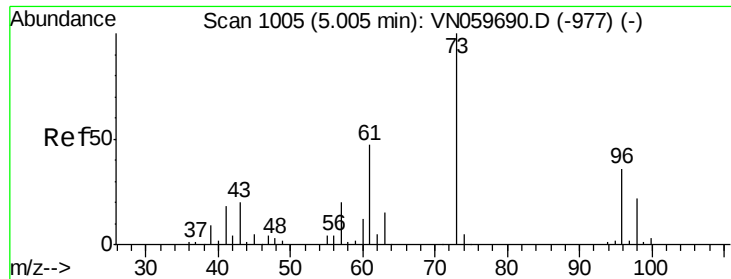
MMDadoda
1/14/2020 11:00:00 AM



#18
Methyl Acetate
Concen: 103.867 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	17.5	26.3





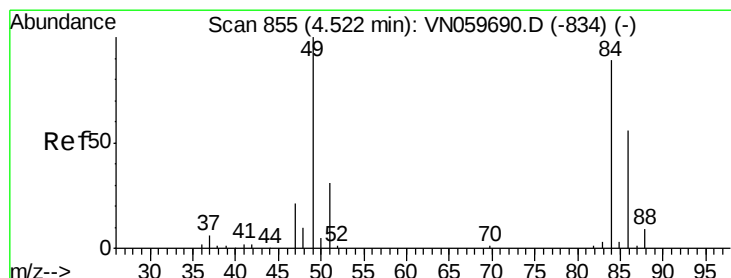
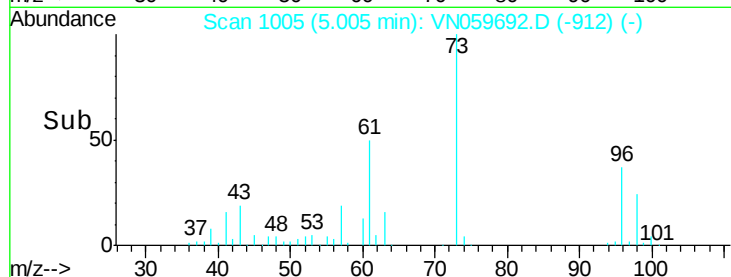
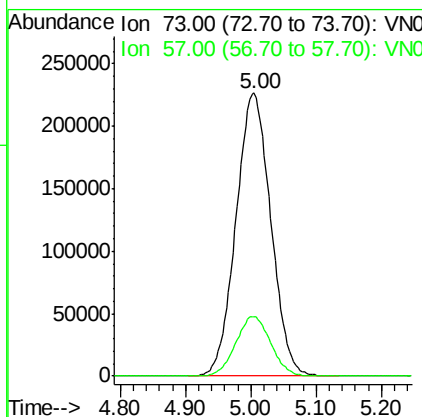
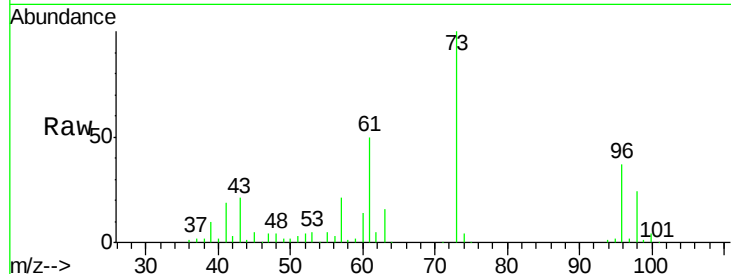
#19
Methvl tert-butvl Ether
Concen: 114.803 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 839253
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8

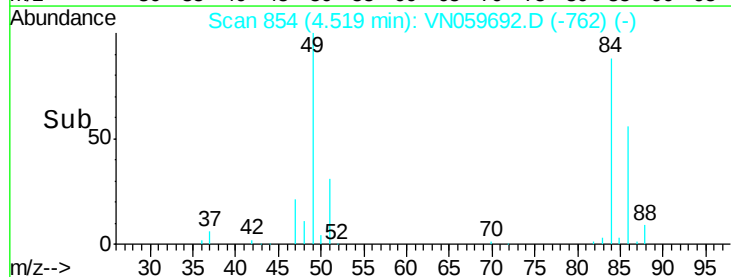
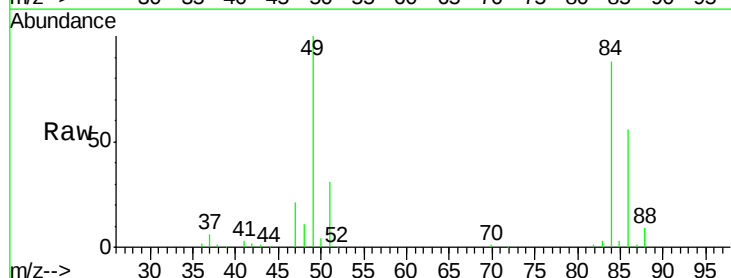
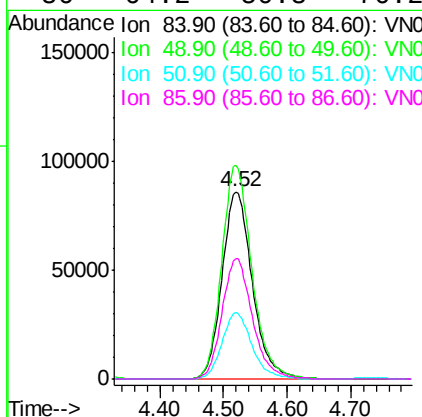
Manual Integrations
APPROVED

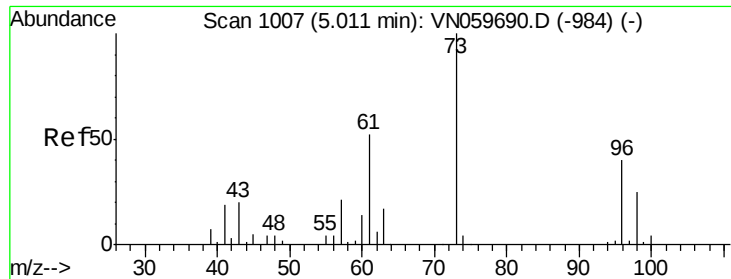
MMDadoda
1/14/2020 11:00:00 AM



#20
Methylene Chloride
Concen: 115.333 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 84 Resp: 284066
Ion Ratio Lower Upper
84 100
49 114.1 106.6 160.0
51 35.2 31.9 47.9
86 64.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 118.528 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 273577

Ion Ratio Lower Upper

96 100

61 133.2 120.4 180.6

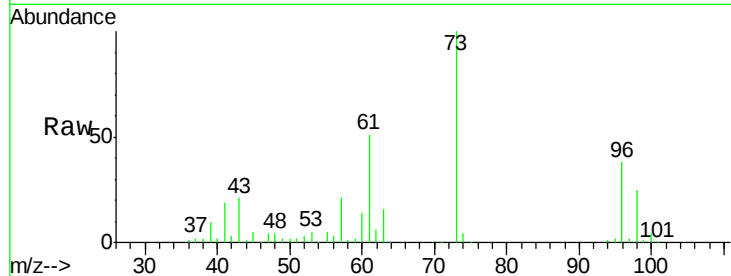
98 64.0 50.6 75.8

Manual Integrations

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MMDadoda

1/14/2020 11:00:00 AM

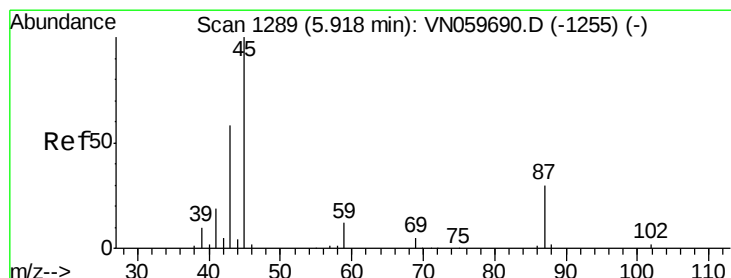
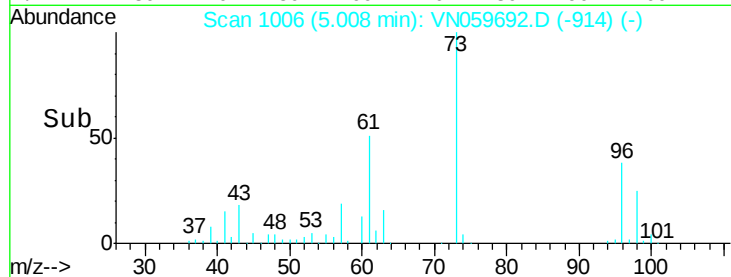
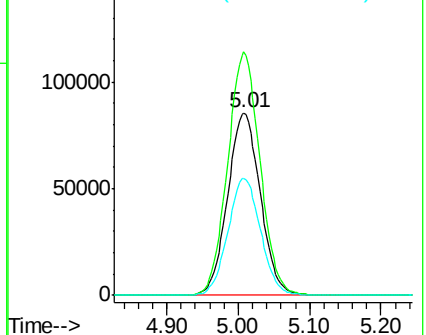


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 102.124 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Tgt Ion: 45 Resp: 800228

Ion Ratio Lower Upper

45 100

43 62.2 50.8 76.2

87 30.7 21.0 31.6

59 12.2 9.1 13.7

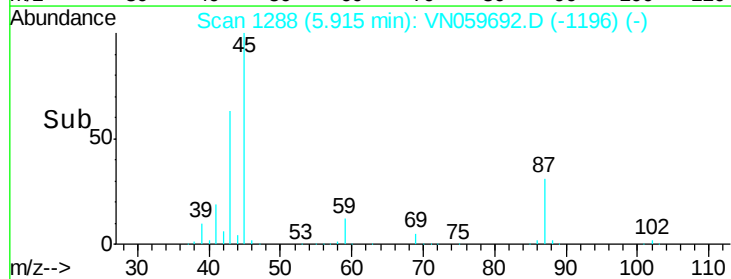
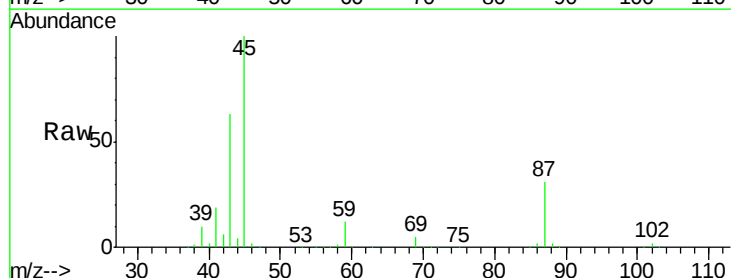
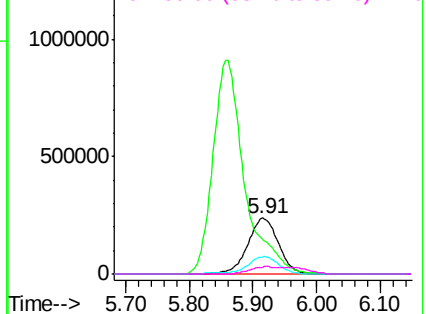
Abundance

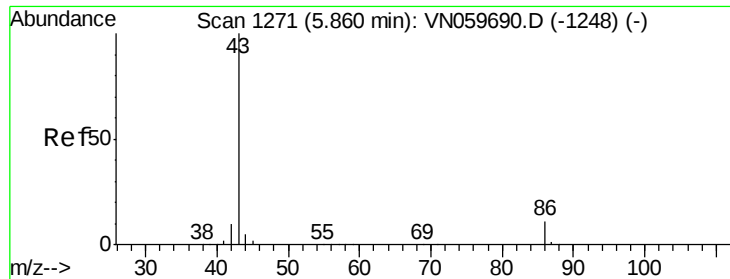
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





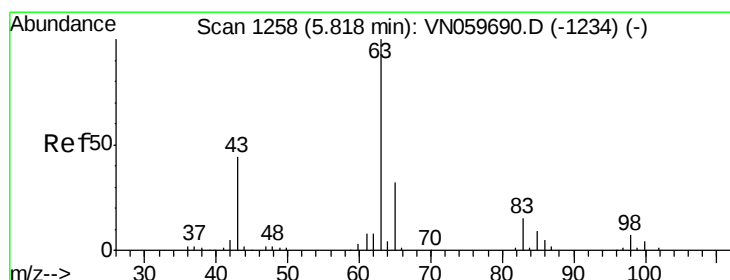
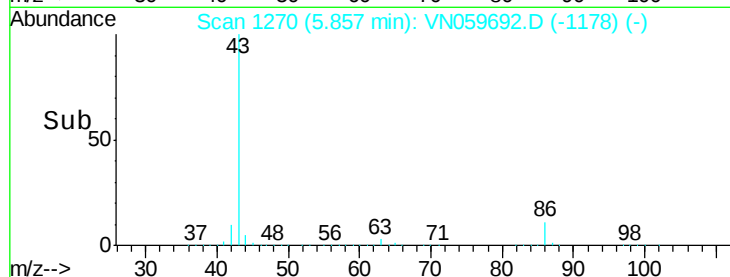
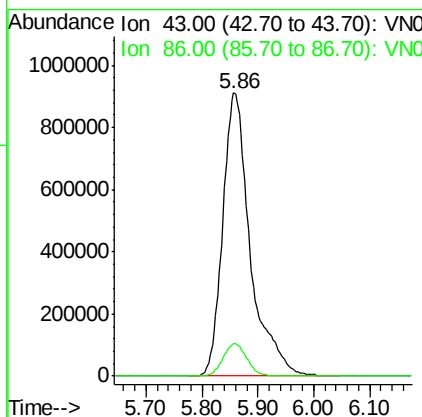
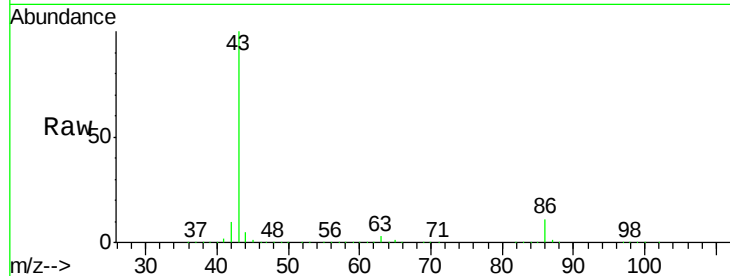
#23
 Vinyl Acetate
 Concen: 509.125 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 3130786
 Ion Ratio Lower Upper
 43 100
 86 11.4 7.6 11.4#

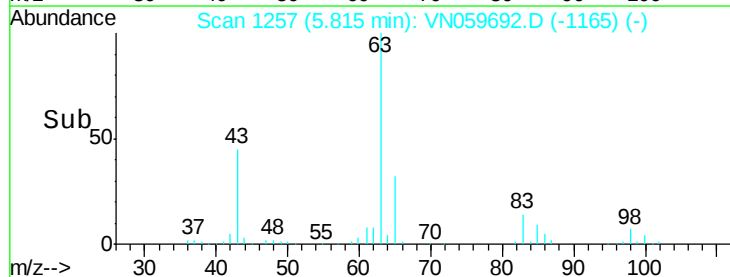
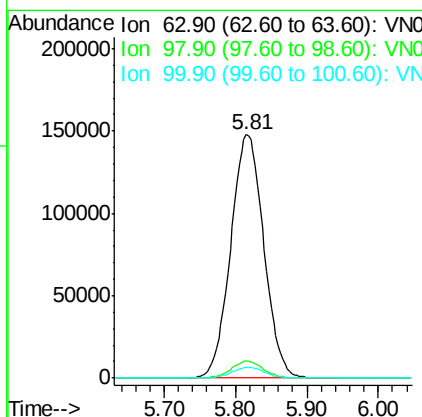
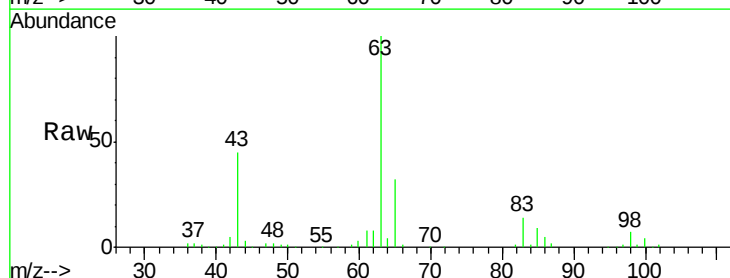
Manual Integrations
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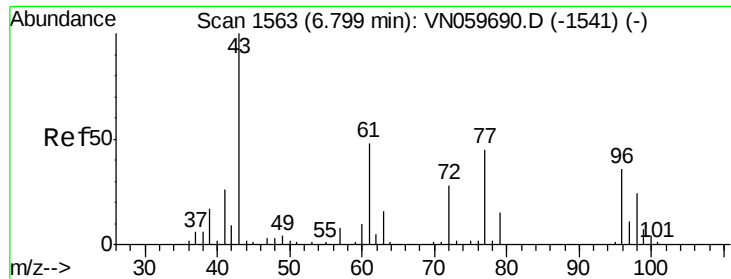
MMDadoda
 1/14/2020 11:00:00 AM



#24
 1,1-Dichloroethane
 Concen: 107.386 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion: 63 Resp: 476658
 Ion Ratio Lower Upper
 63 100
 98 6.9 2.9 8.7
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 414.762 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 845836

Ion Ratio Lower Upper

43 100

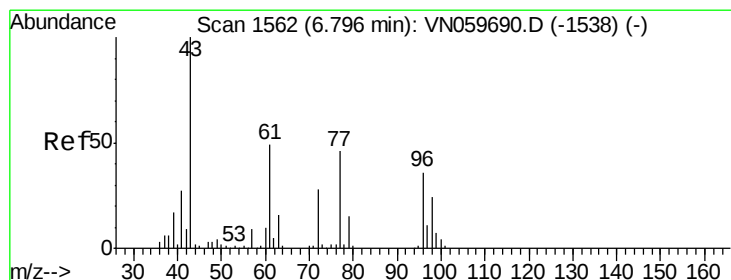
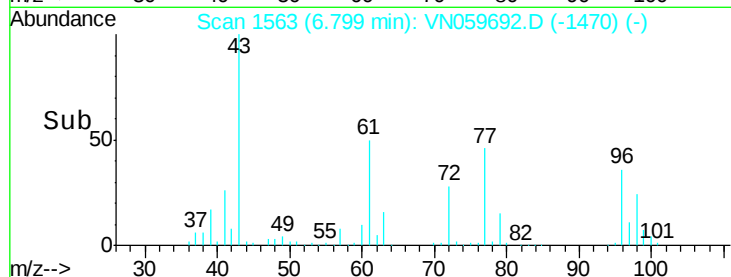
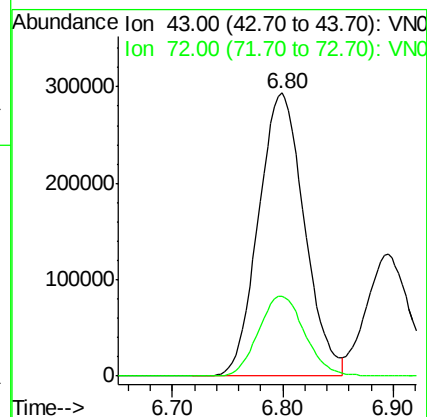
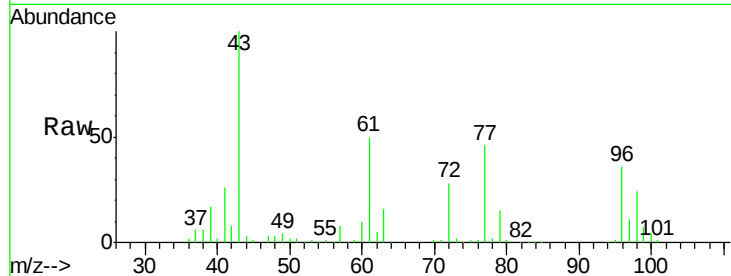
72 28.3 19.9 29.9

Manual Integrations

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MMDadoda

1/14/2020 11:00:00 AM



#26

2,2-Dichloropropane

Concen: 110.378 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059692.D

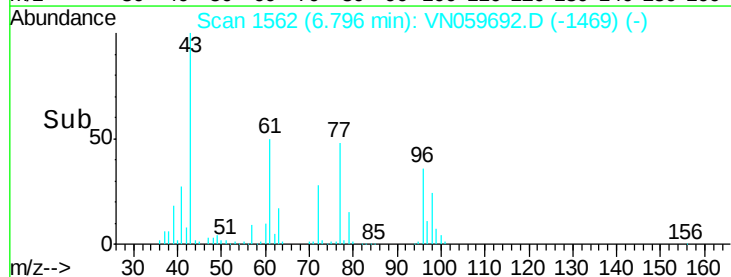
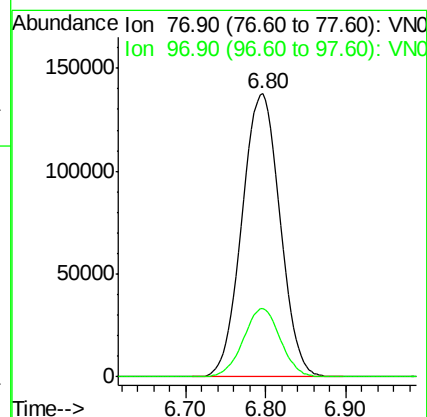
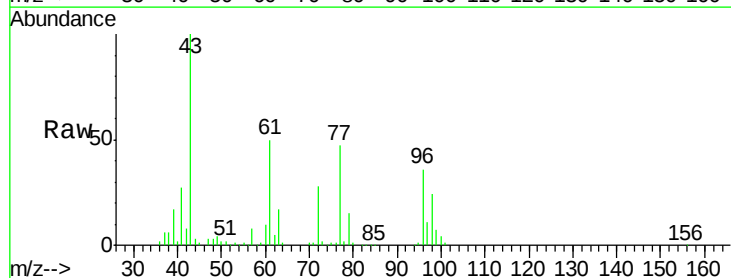
Acq: 13 Jan 2020 15:40

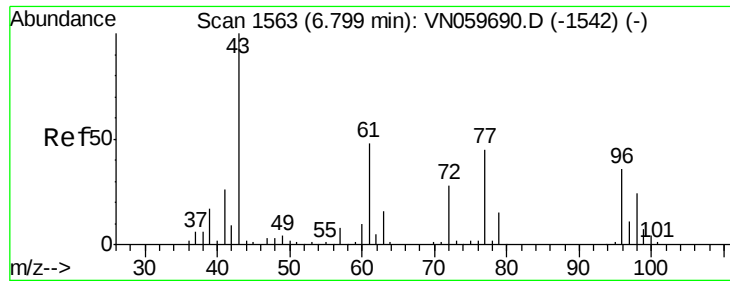
Tgt Ion: 77 Resp: 445286

Ion Ratio Lower Upper

77 100

97 23.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 122.983 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

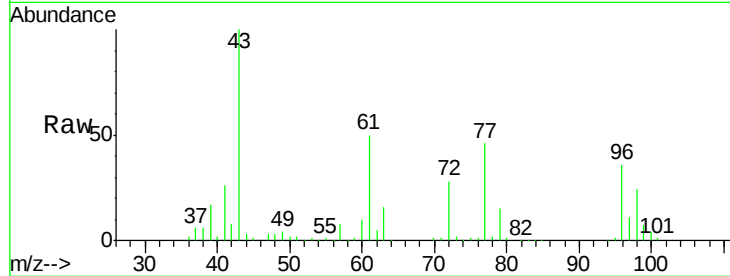
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	314546
Ion Ratio	Lower	Upper	
96	100		
61	138.5	0.0	317.6
98	64.8	0.0	127.0

Manual Integrations
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1/14/2020 11:00:00 AM



Abundance Ion 95.90 (95.60 to 96.60): VN059692.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059692.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059692.D (-1470) (-)

6.80

150000

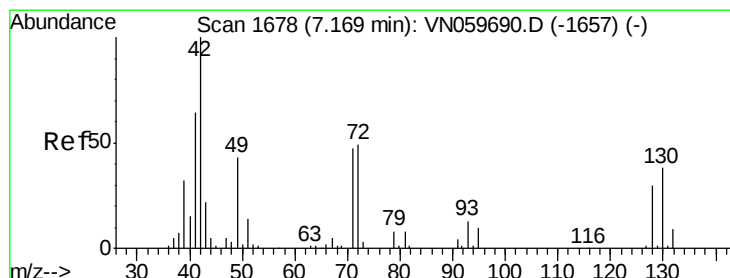
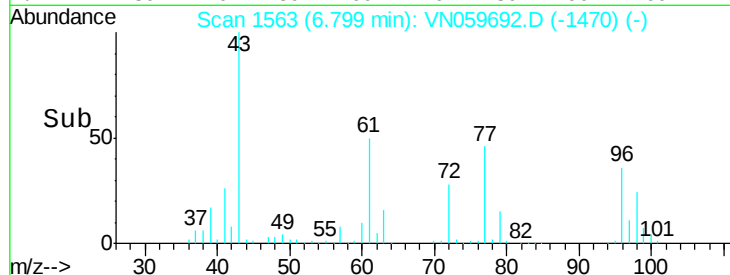
100000

50000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 130.152 ug/l

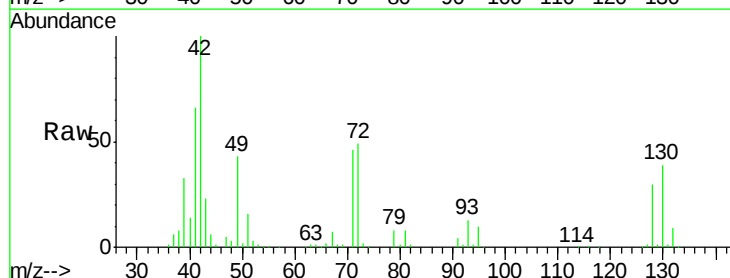
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Tgt Ion:	49	Resp:	198106
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	3.4
130	87.9	54.7	82.1#



Abundance Ion 48.90 (48.60 to 49.60): VN059692.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059692.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059692.D (-1585) (-)

7.17

100000

80000

60000

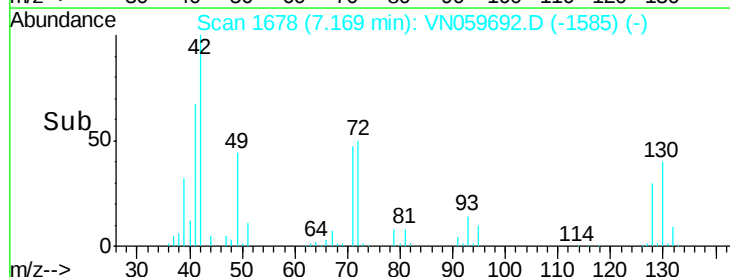
40000

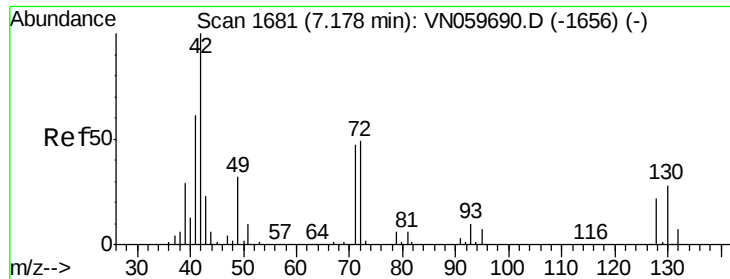
20000

0

7.10 7.20 7.30

Time-->





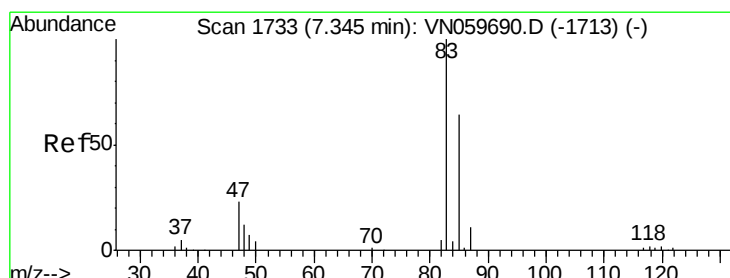
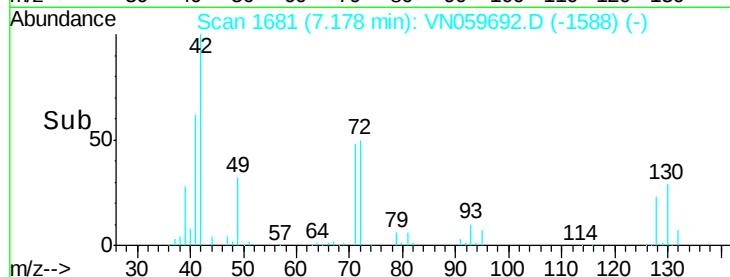
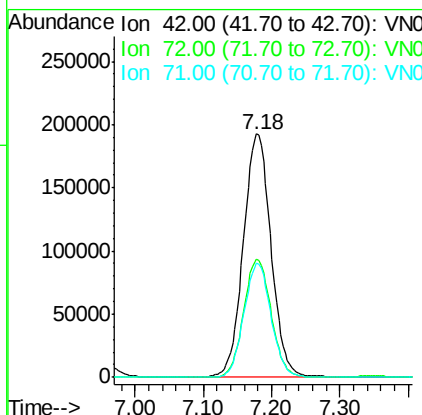
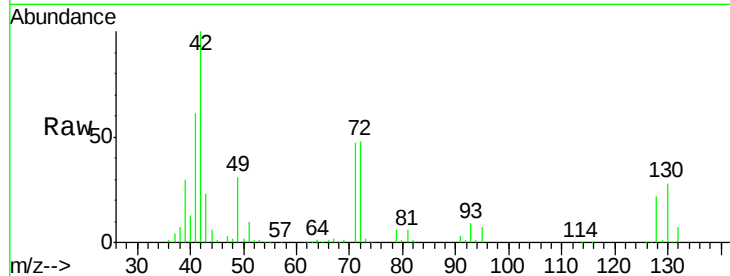
#29
Tetrahydrofuran
Concen: 438.101 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	33.1	49.7
71	45.8	31.4	47.0

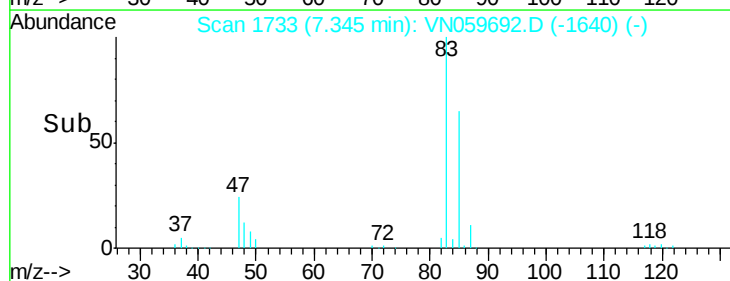
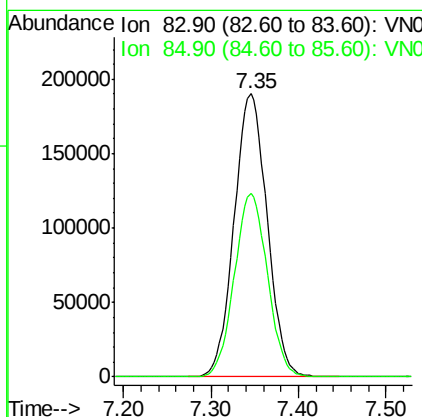
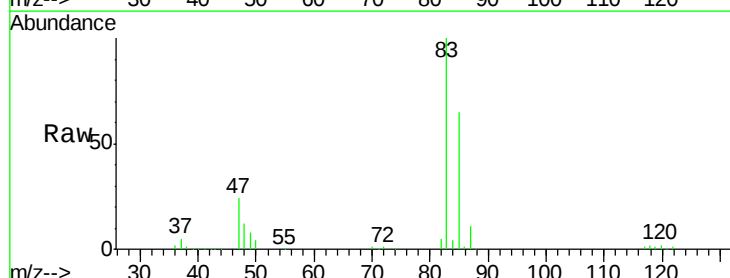
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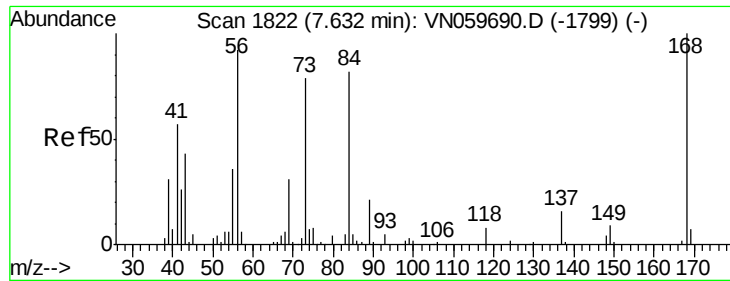
MMDadoda
1/14/2020 11:00:00 AM



#30
Chloroform
Concen: 114.158 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





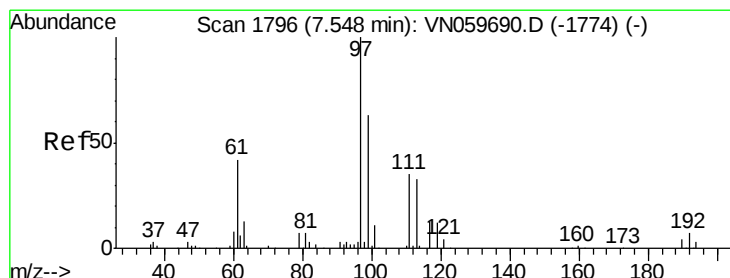
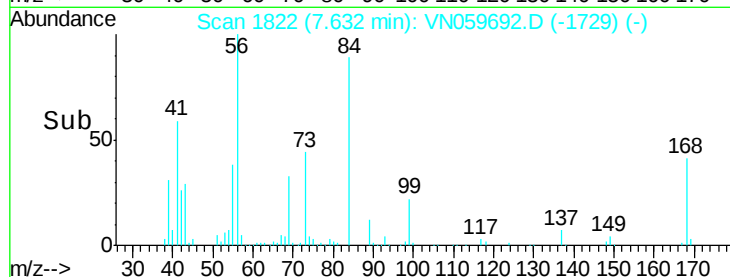
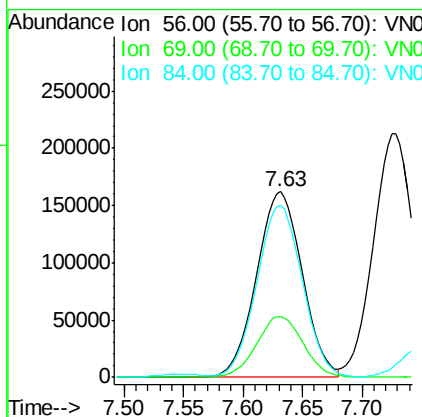
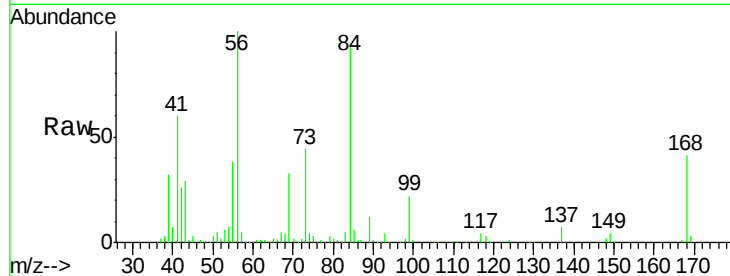
#31
Cyclohexane
Concen: 102.887 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.5	39.7
84	91.2	65.3	97.9

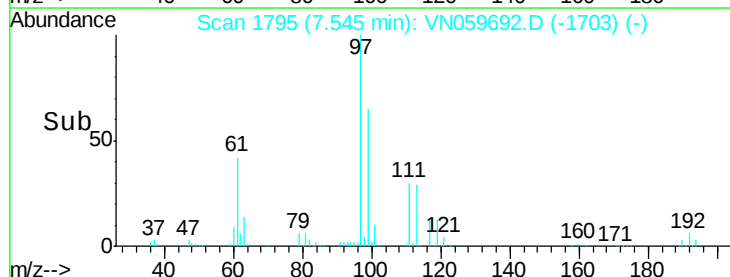
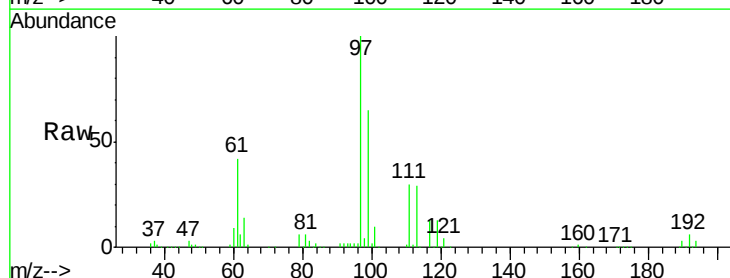
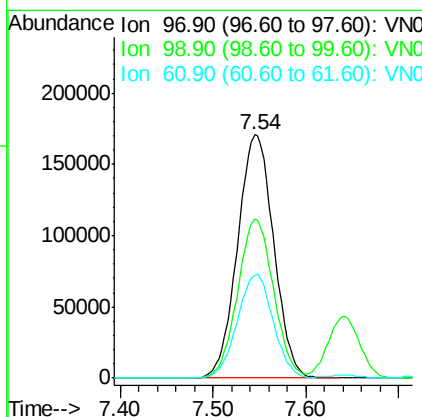
Manual Integrations
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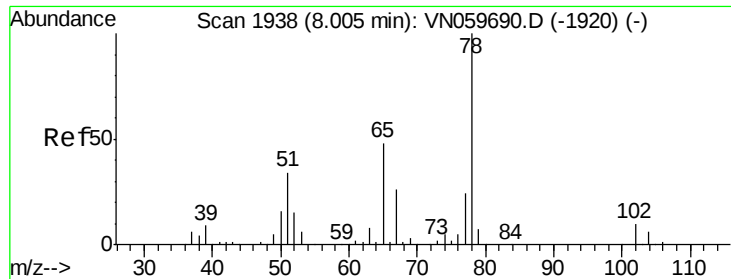
MMDadoda
1/14/2020 11:00:00 AM



#32
1,1,1-Trichloroethane
Concen: 117.231 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	42.2	38.5	57.7





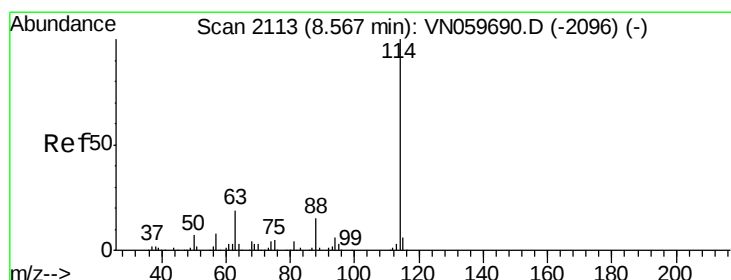
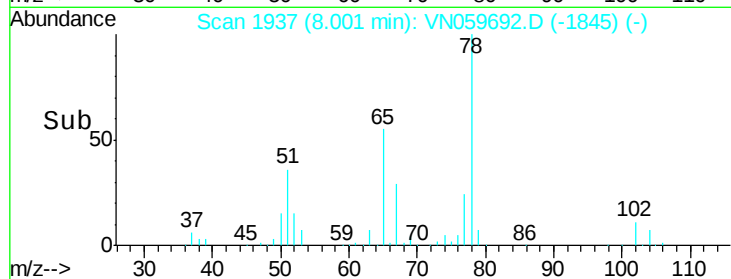
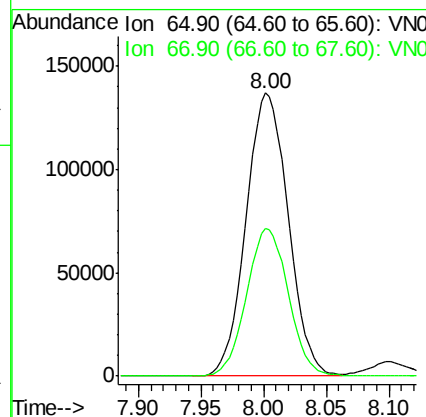
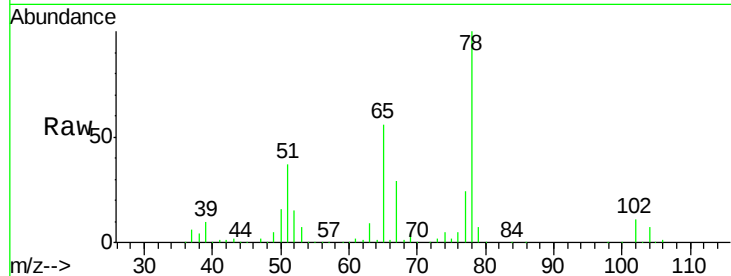
#33
 1,2-Dichloroethane-d4
 Concen: 111.438 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	103.0	

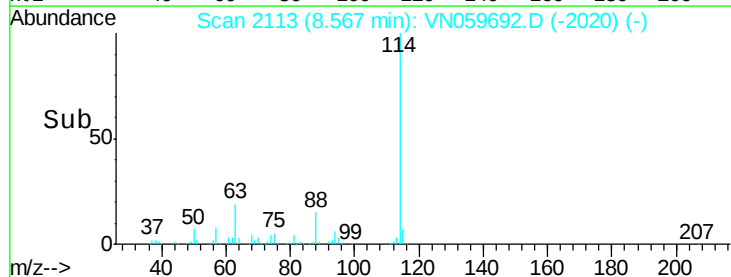
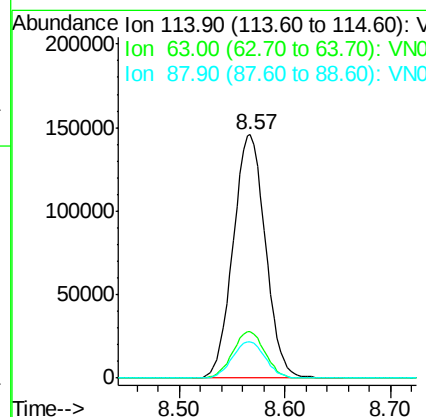
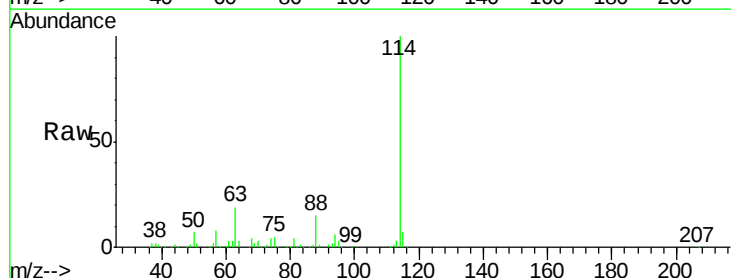
Manual Integrations
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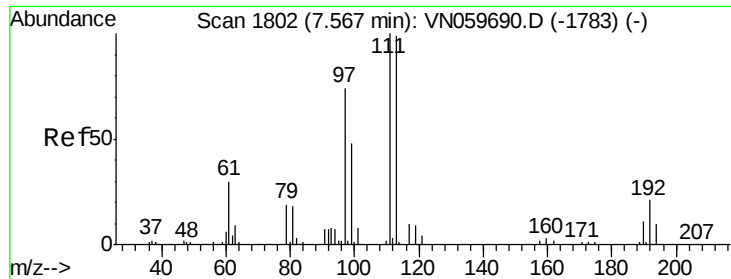
MMDadoda
 1/14/2020 11:00:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	43.6	
88	14.9	0.0	31.4	





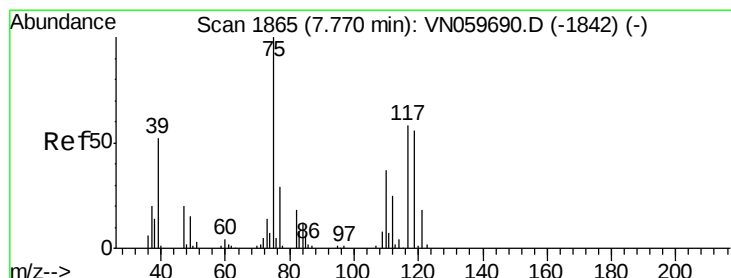
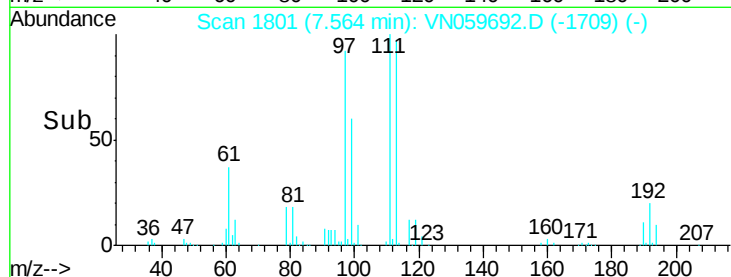
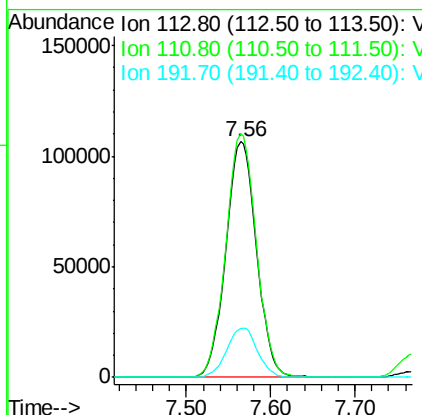
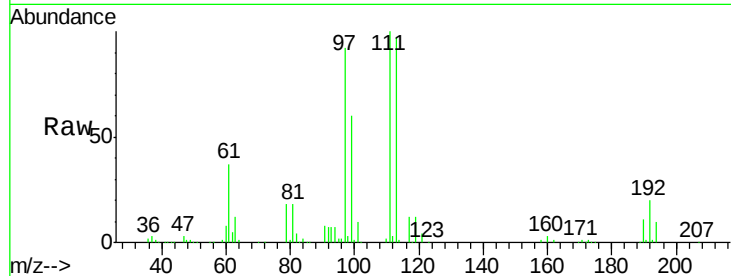
#35
Dibromofluoromethane
Concen: 139.275 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	269031		
111	103.5	83.5	125.3	
192	21.1	15.4	23.2	

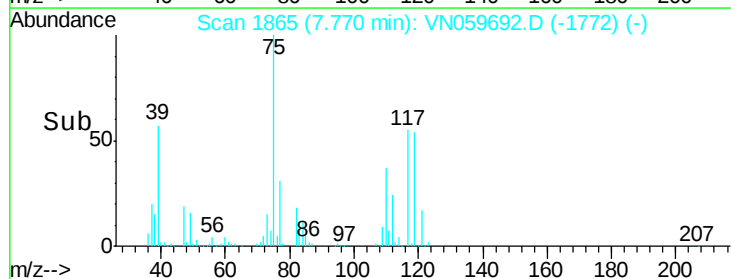
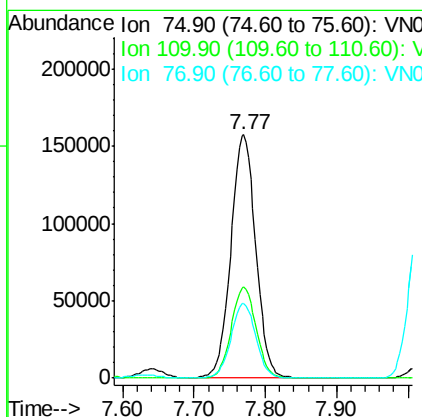
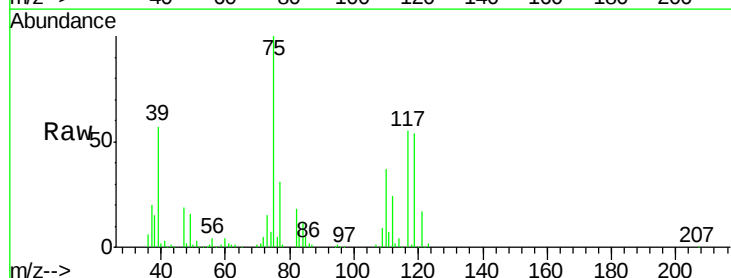
Manual Integrations
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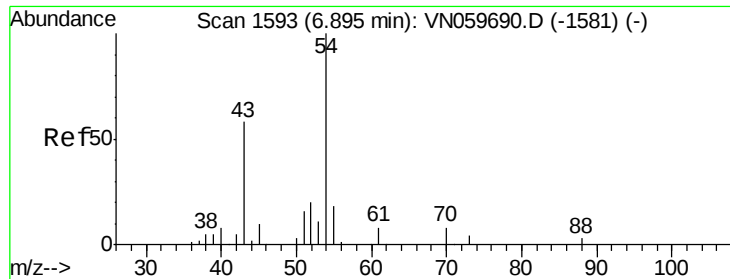
MMDadoda
1/14/2020 11:00:00 AM



#36
1,1-Dichloropropene
Concen: 118.800 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	382484		
110	37.3	16.6	49.7	
77	30.9	25.1	37.7	





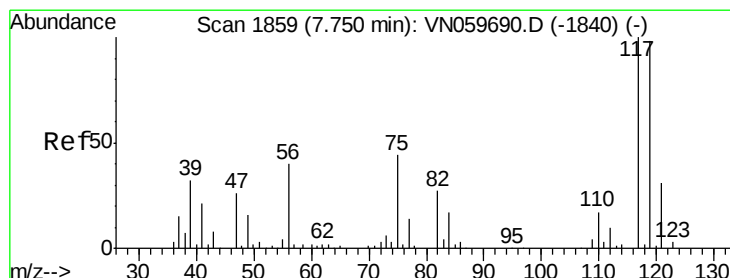
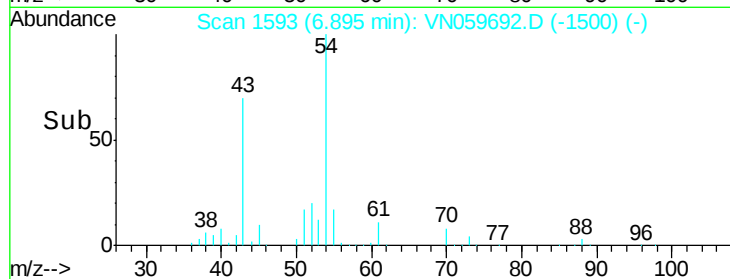
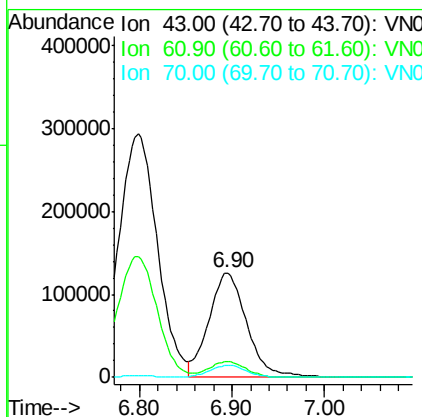
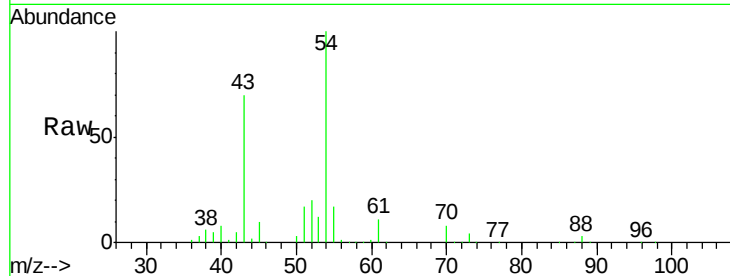
#37
Ethyl Acetate
Concen: 93.898 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	11.3	7.7	11.5

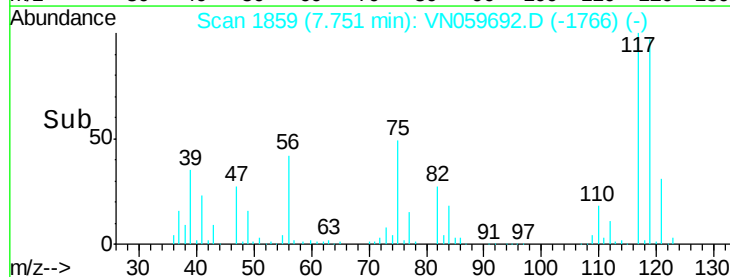
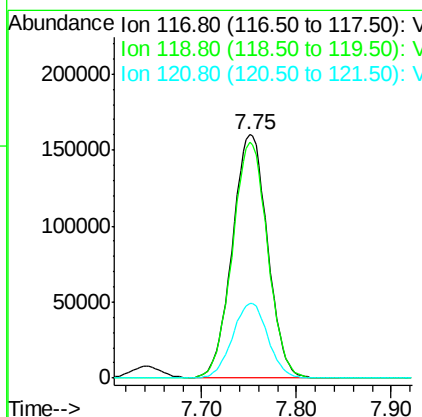
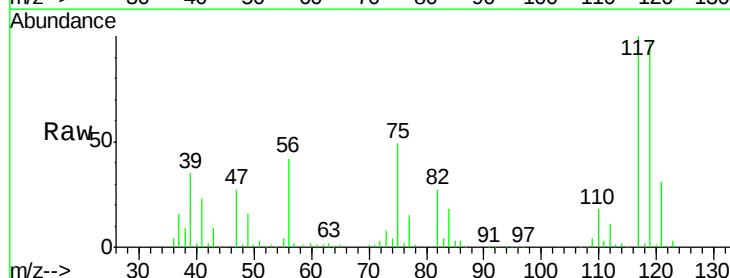
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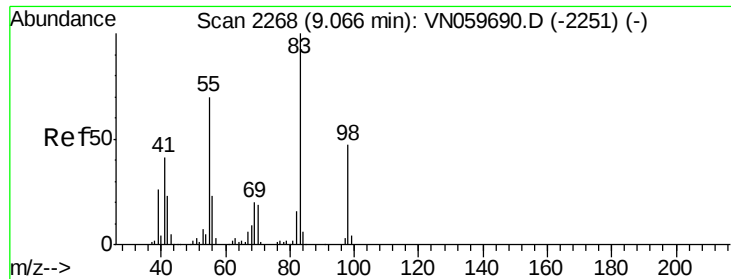
MMDadoda
1/14/2020 11:00:00 AM



#38
Carbon Tetrachloride
Concen: 124.125 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.5	114.7
121	30.8	25.1	37.7





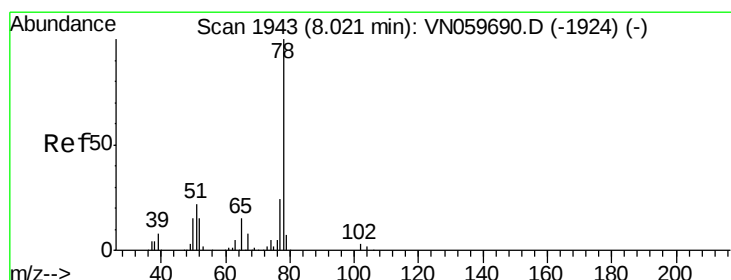
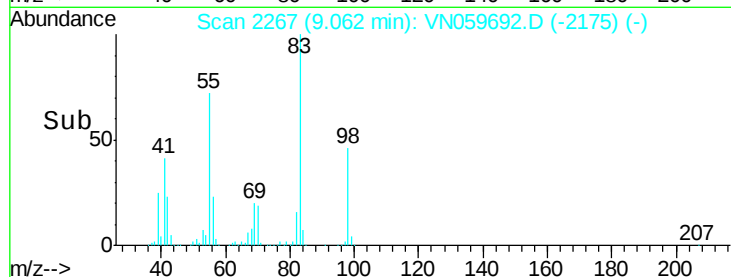
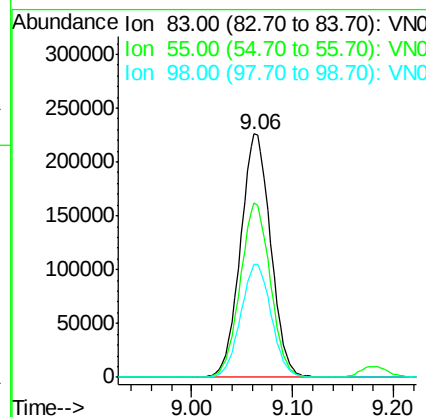
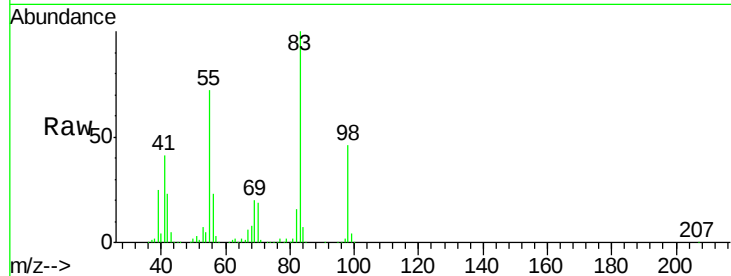
#39
Methvlcvclohexane
Concen: 128.264 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	64.2	96.2
98	46.3	35.9	53.9

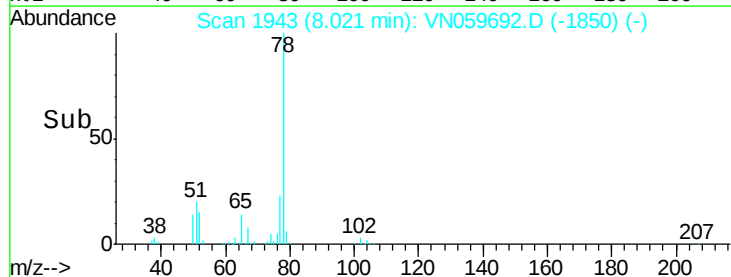
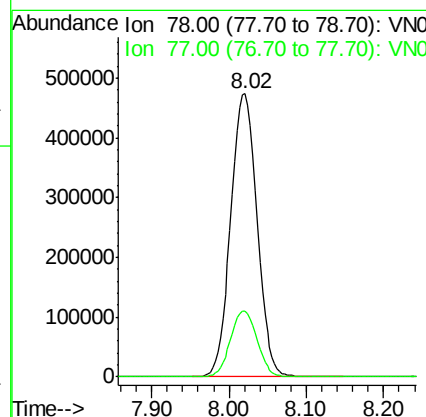
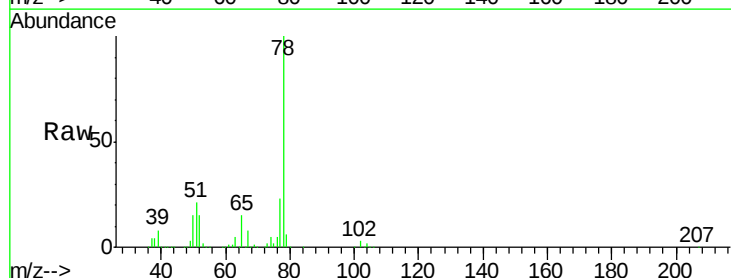
Manual Integrations
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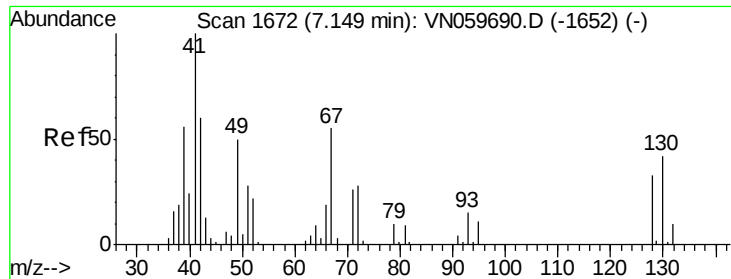
MMDadoda
1/14/2020 11:00:00 AM



#40
Benzene
Concen: 118.761 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





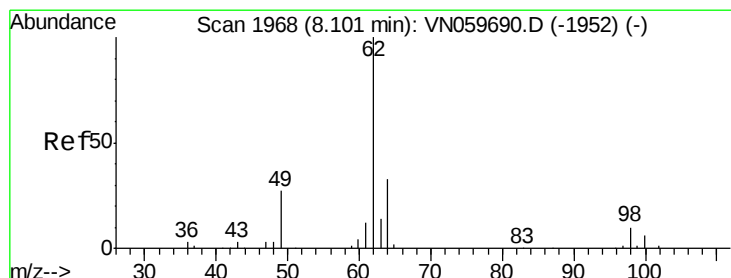
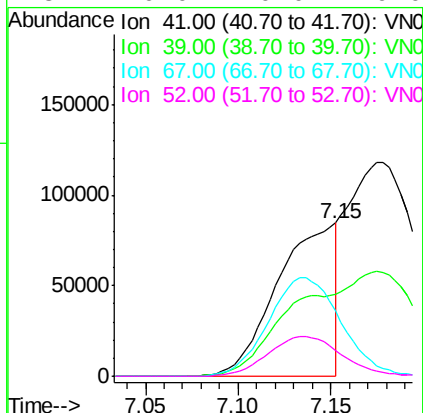
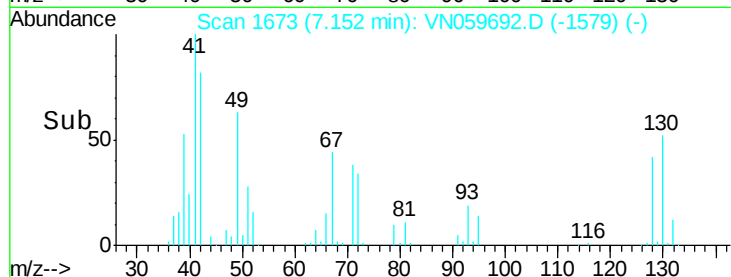
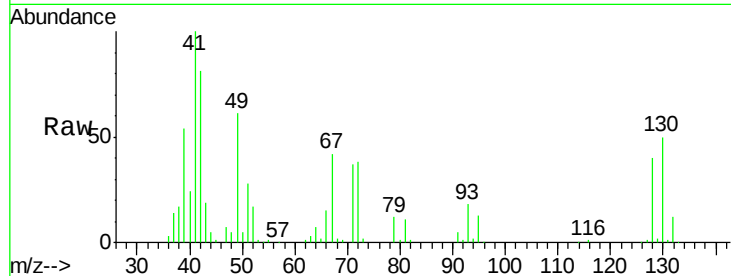
#41
Methacrylonitrile
Concen: 119.970 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
41	100	185271		
39	141.7	0.0	0.0	#
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

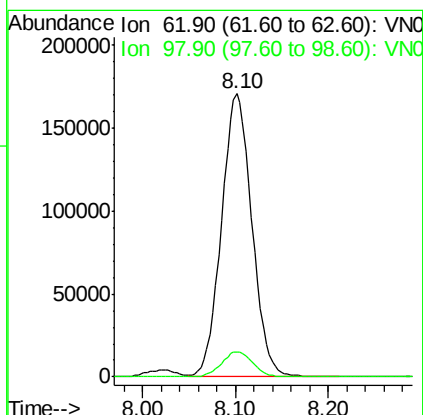
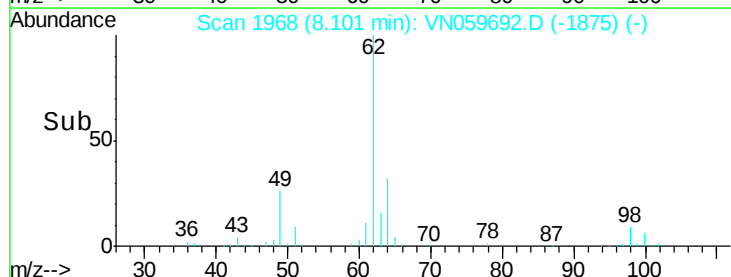
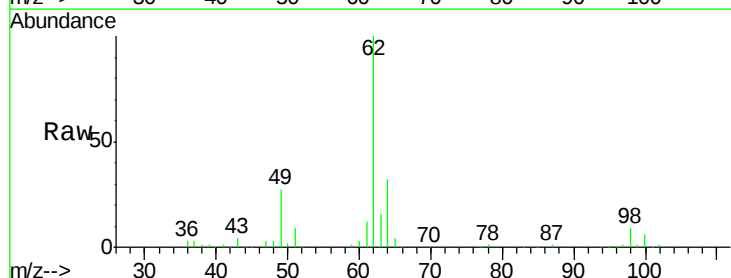
Manual Integrations
APPROVED

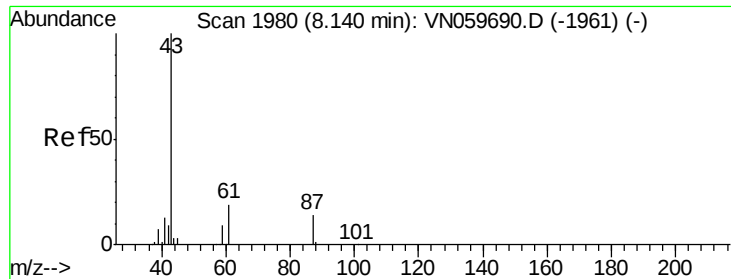
MMDadoda
1/14/2020 11:00:00 AM



#42
1,2-Dichloroethane
Concen: 107.543 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	387503		
98	9.1	0.0	15.8	





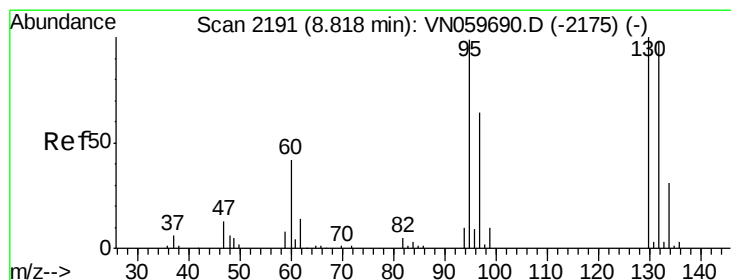
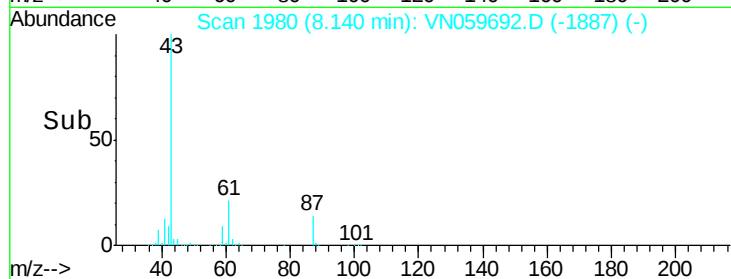
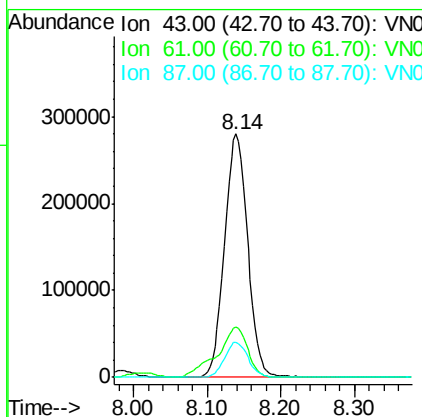
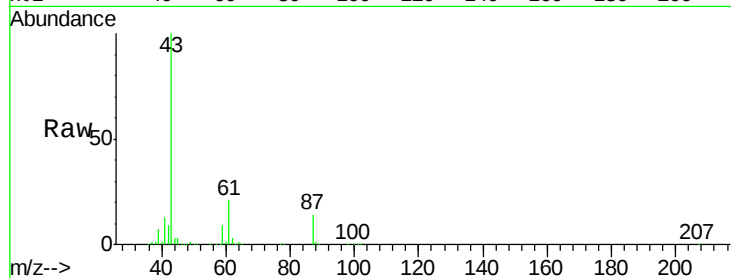
#43
Isopropyl Acetate
Concen: 104.656 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.2	30.2
87	14.7	9.5	14.3

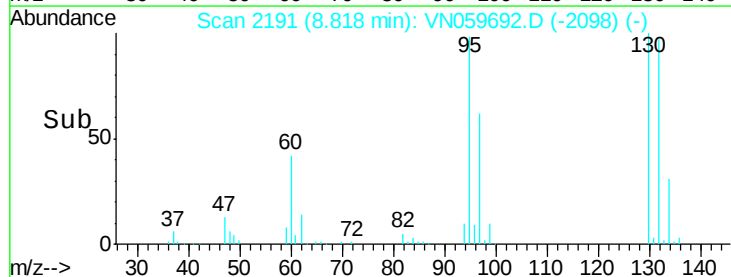
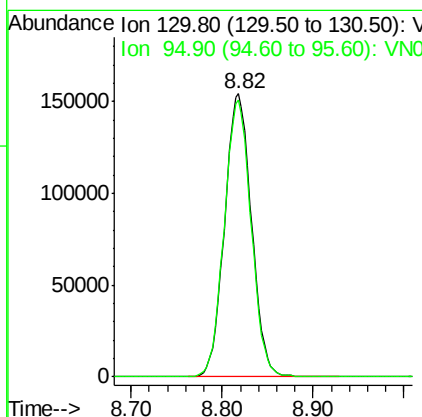
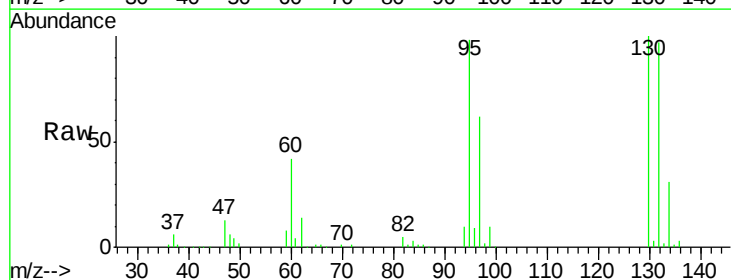
Manual Integrations
APPROVED

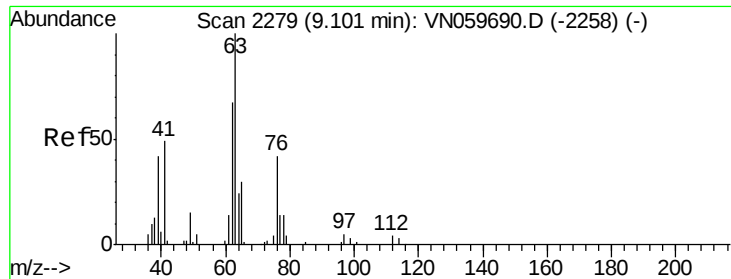
MMDadoda
1/14/2020 11:00:00 AM



#44
Trichloroethene
Concen: 128.493 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	207.0





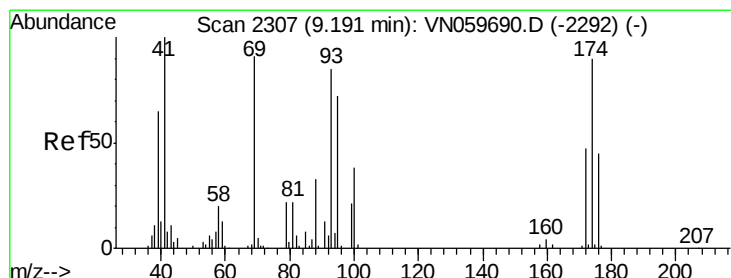
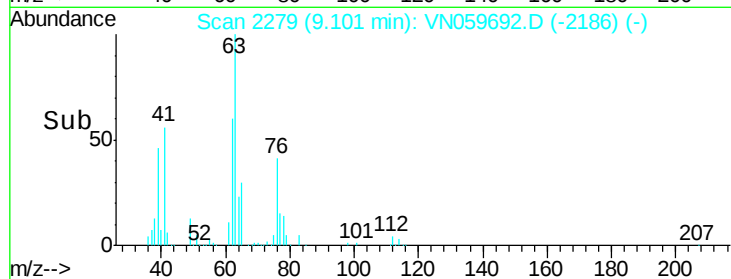
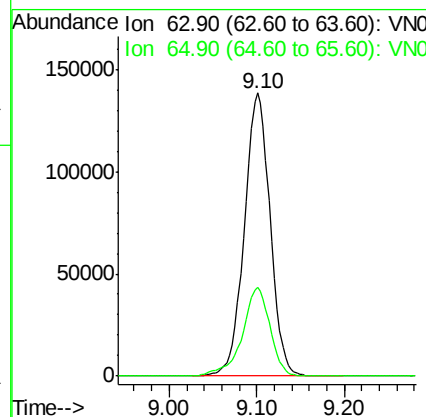
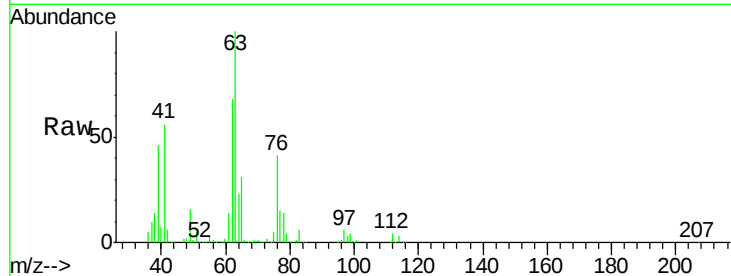
#45
 1,2-Dichloropropane
 Concen: 111.149 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.9	37.3

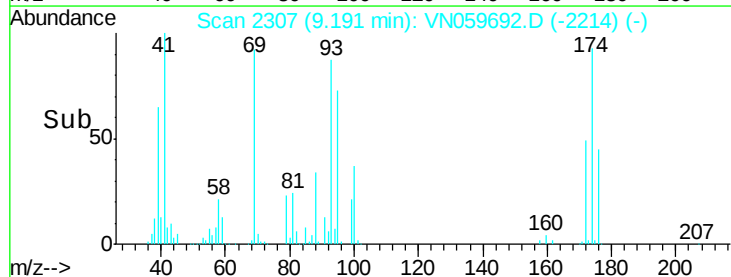
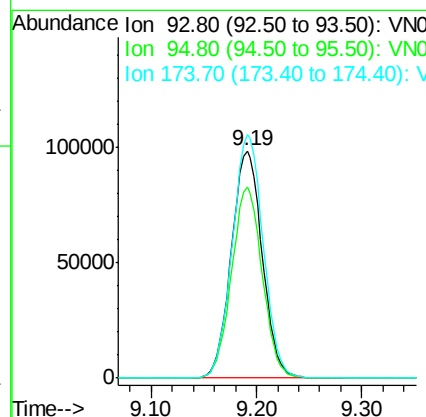
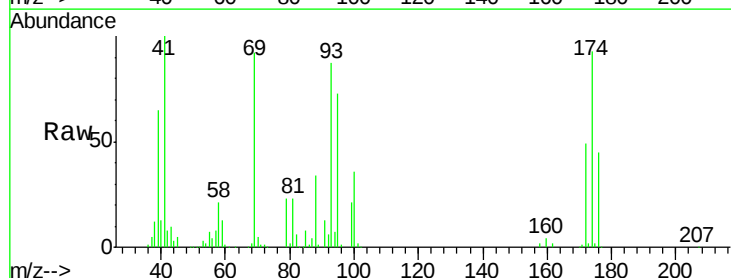
Manual Integrations
 APPROVED

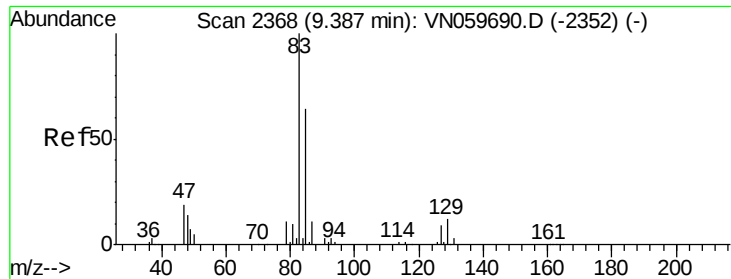
MMDadoda
 1/14/2020 11:00:00 AM



#46
 Dibromomethane
 Concen: 120.162 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.0	100.6
174	107.1	73.4	110.2





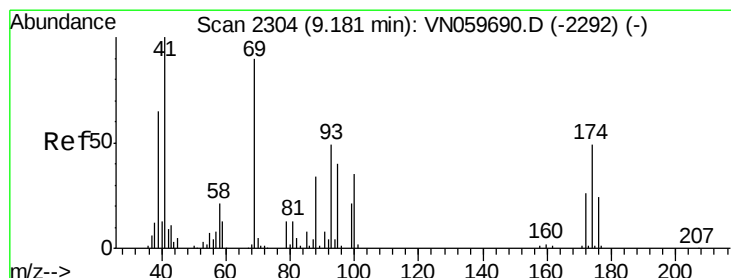
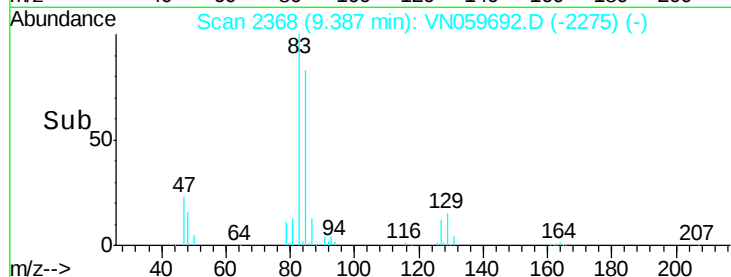
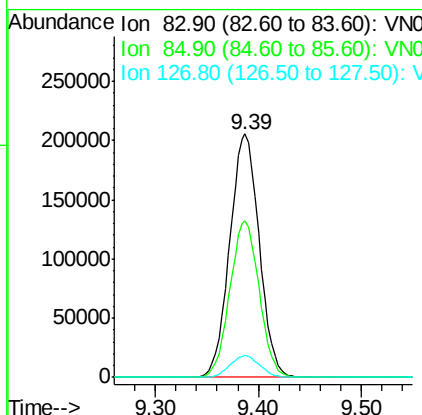
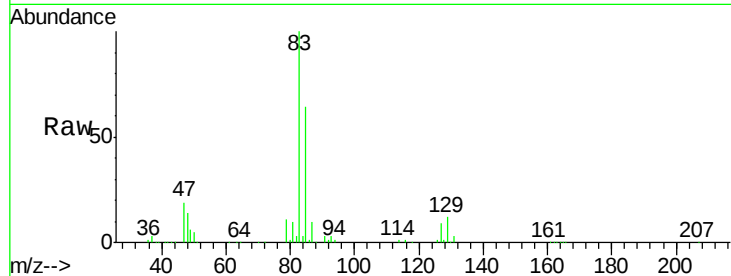
#47
Bromodichloromethane
Concen: 123.129 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.2	51.1	76.7	
127	9.0	6.6	9.8	

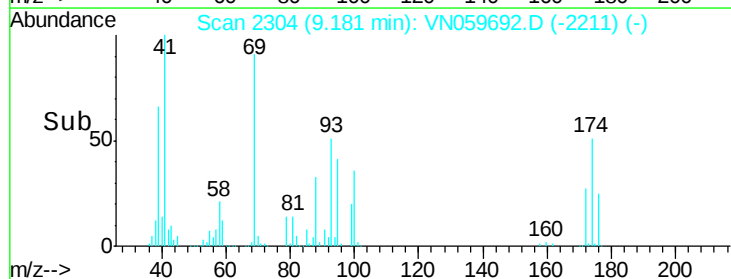
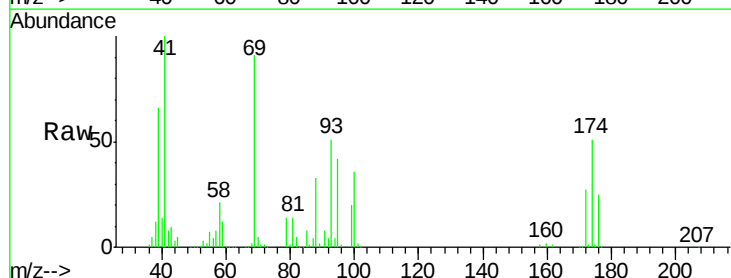
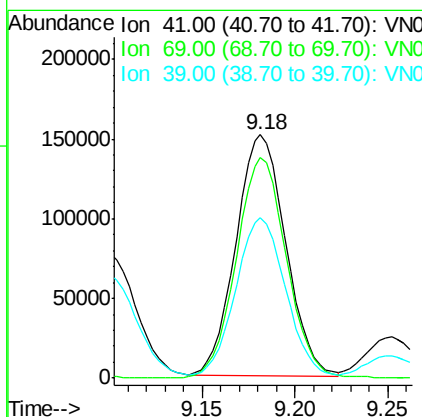
Manual Integrations
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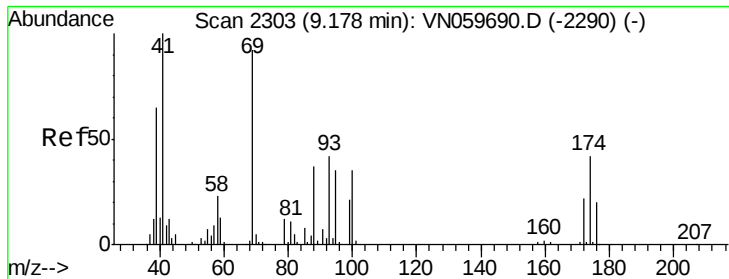
MMDadoda
1/14/2020 11:00:00 AM



#48
Methyl methacrylate
Concen: 106.408 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.7	64.4	96.6	
39	67.4	51.3	76.9	





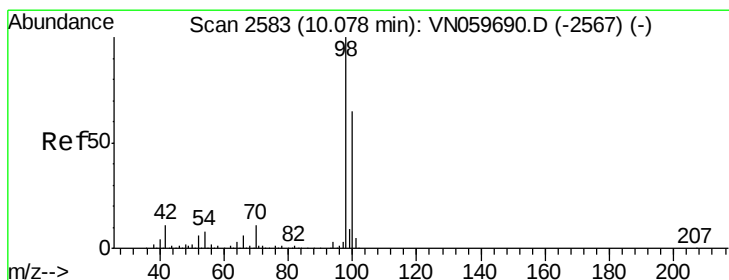
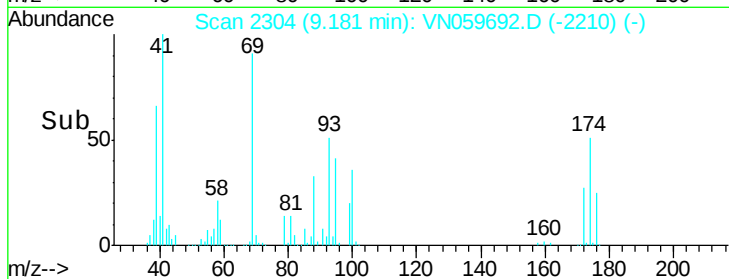
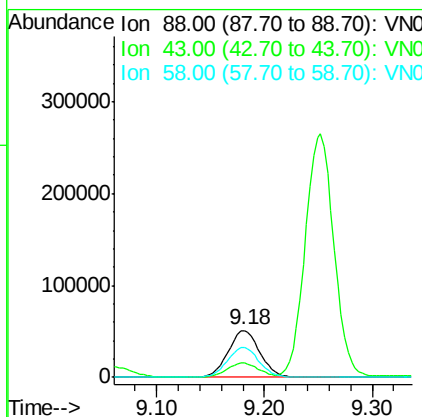
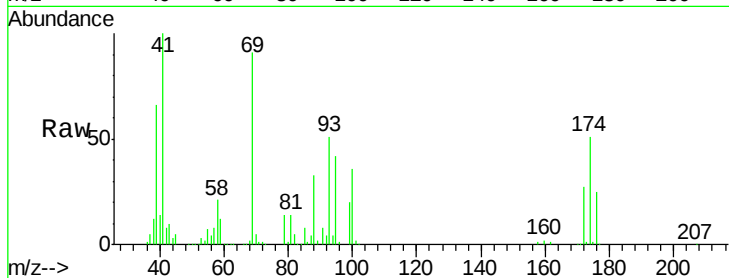
#49
1,4-Dioxane
Concen: 2763.449 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	104530
Ion	Ratio	Lower	Upper
88	100		
43	30.4	29.7	44.5
58	63.8	56.6	85.0

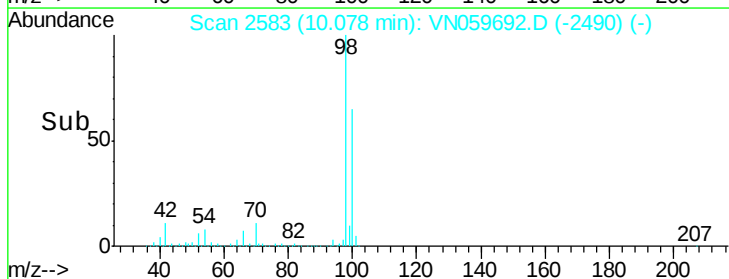
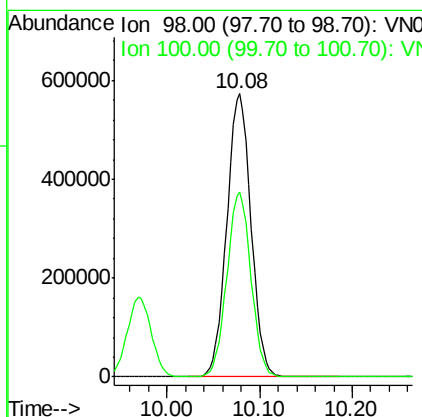
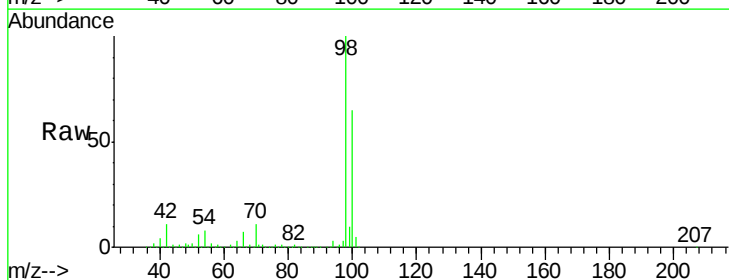
Manual Integrations
APPROVED

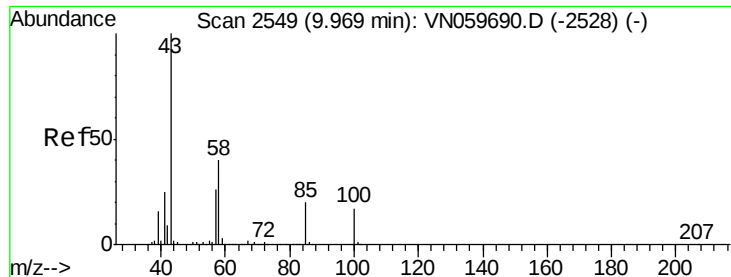
MMDadoda
1/14/2020 11:00:00 AM



#50
Toluene-d8
Concen: 135.192 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	98	Resp	1033912
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 505.727 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1754216

Ion Ratio Lower Upper

43 100

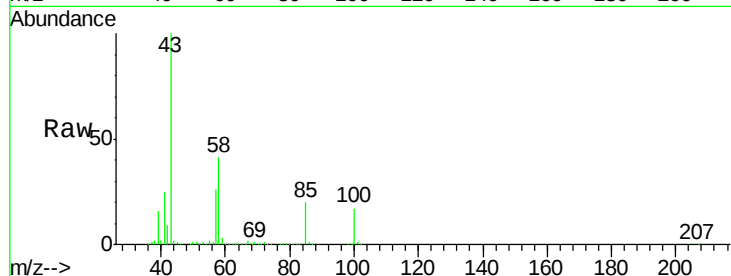
58 40.5 29.8 44.8

Manual Integrations

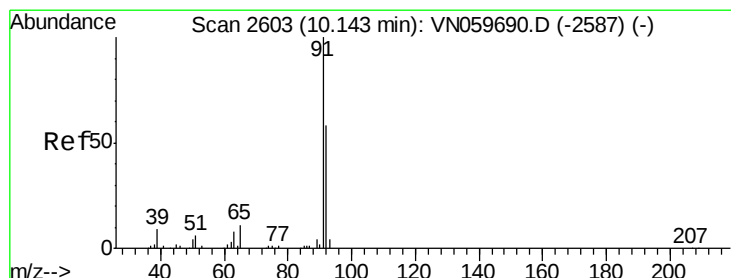
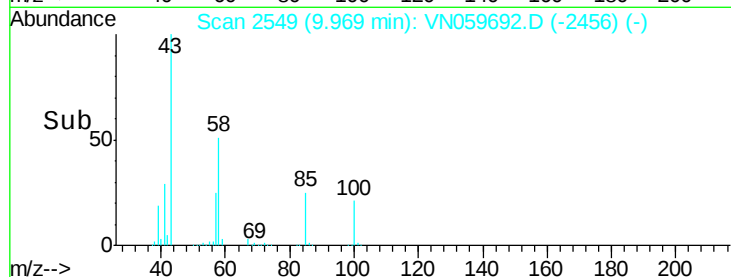
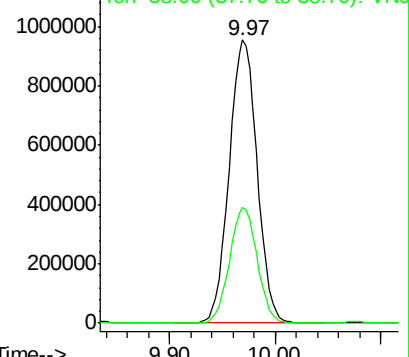
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MMDadoda

1/14/2020 11:00:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)



#52

Toluene

Concen: 125.742 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059692.D

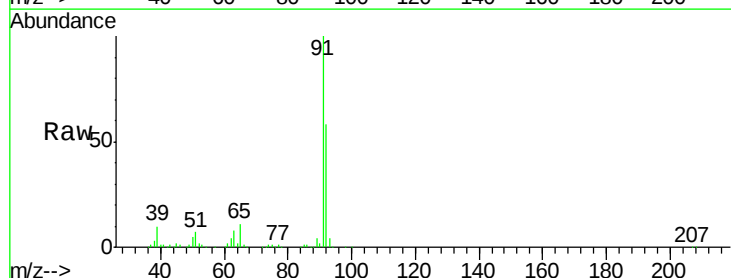
Acq: 13 Jan 2020 15:40

Tgt Ion: 92 Resp: 726929

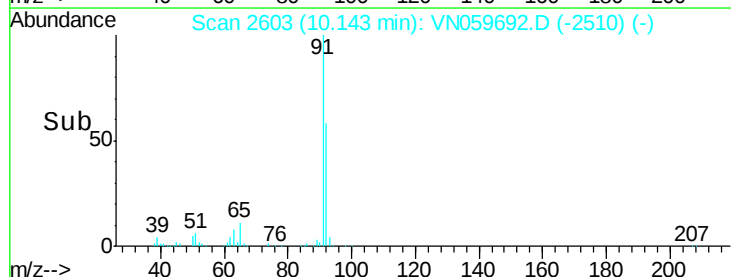
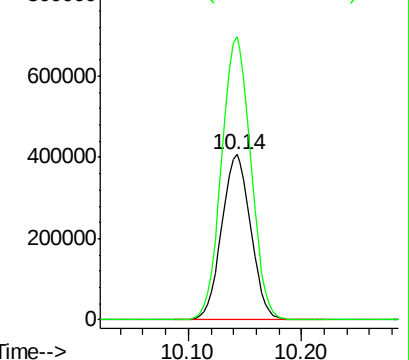
Ion Ratio Lower Upper

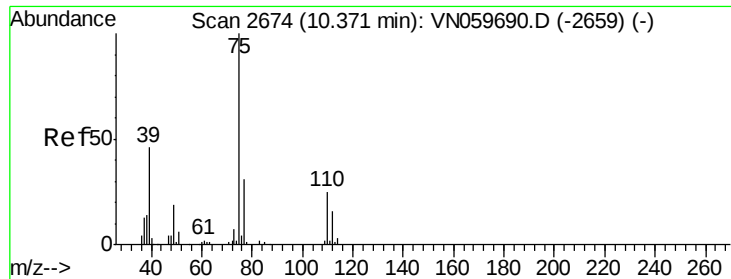
92 100

91 173.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059690.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 121.789 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 467446

Ion Ratio Lower Upper

75 100

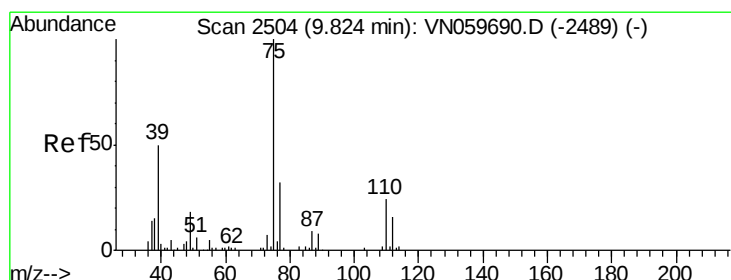
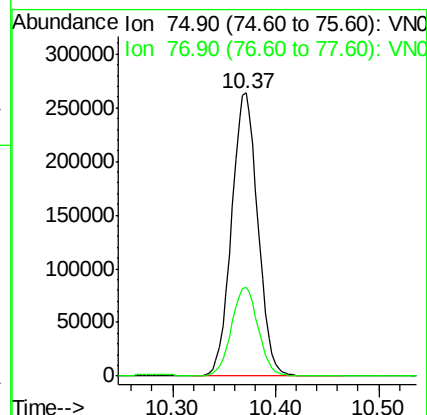
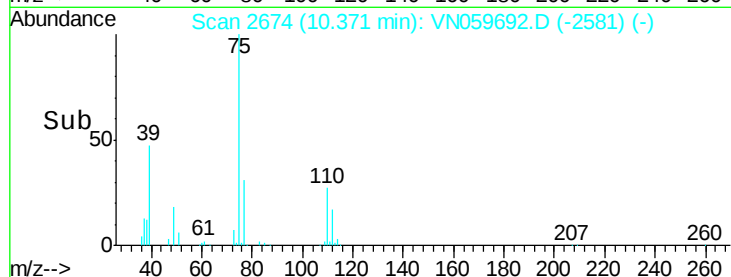
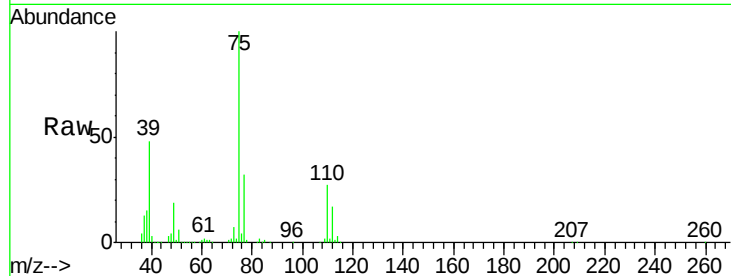
77 31.5 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 121.117 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

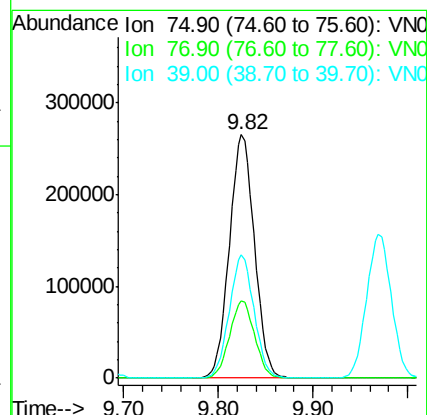
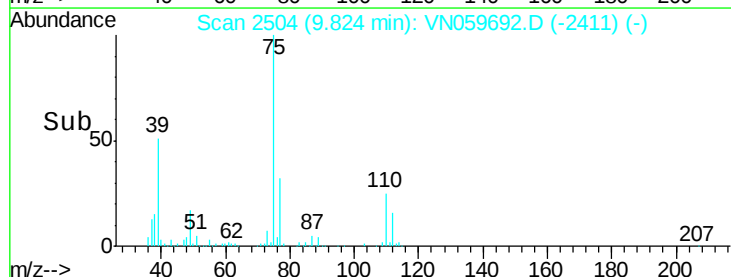
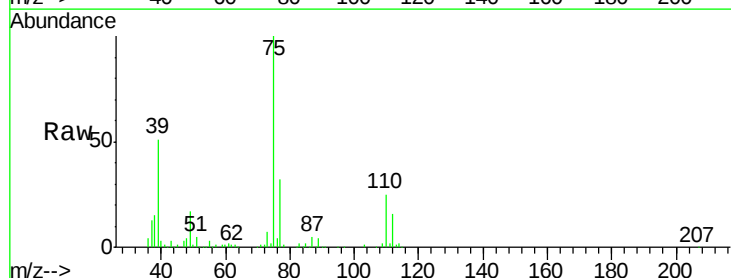
Tgt Ion: 75 Resp: 488649

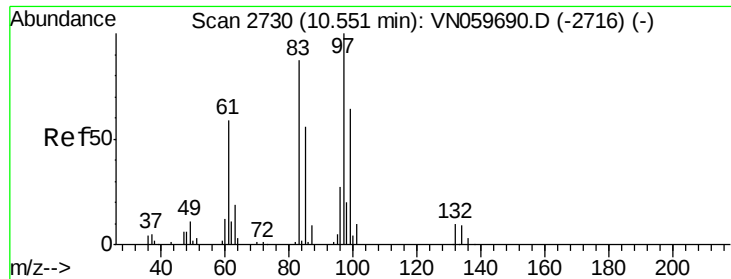
Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7

39 50.5 46.1 69.1





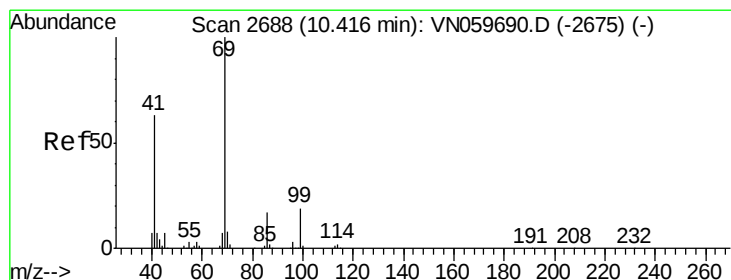
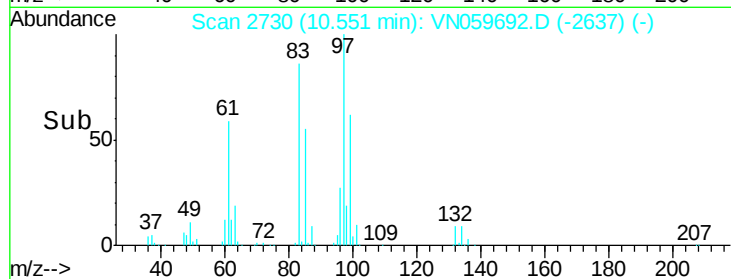
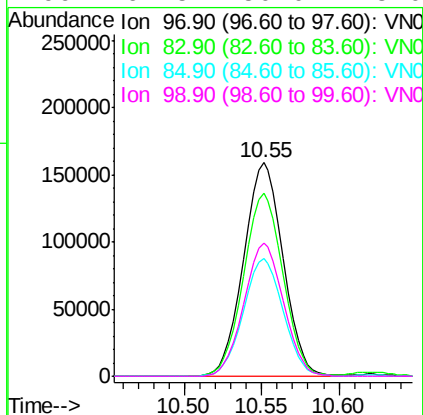
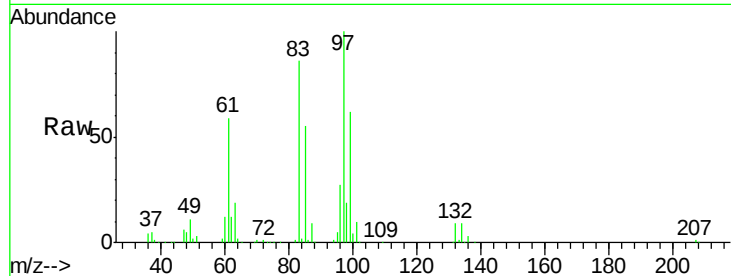
#55
 1,1,2-Trichloroethane
 Concen: 124.464 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	282349
Ion	Ratio	Lower	Upper
97	100		
83	85.6	71.3	106.9
85	55.0	45.8	68.8
99	62.5	50.0	75.0

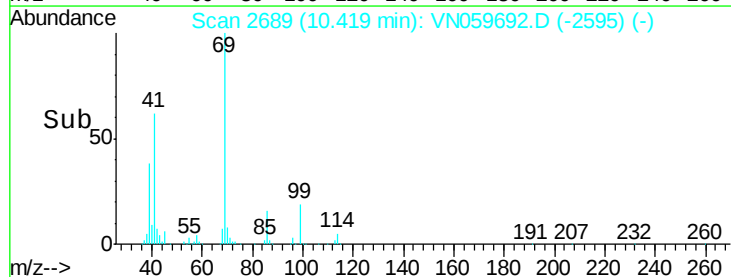
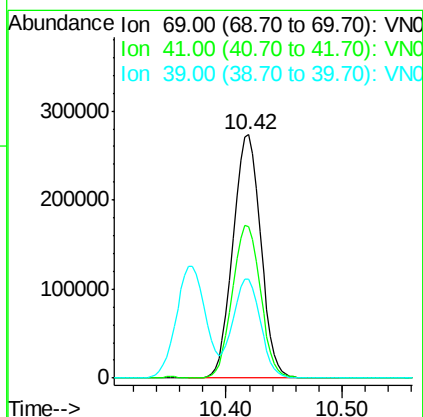
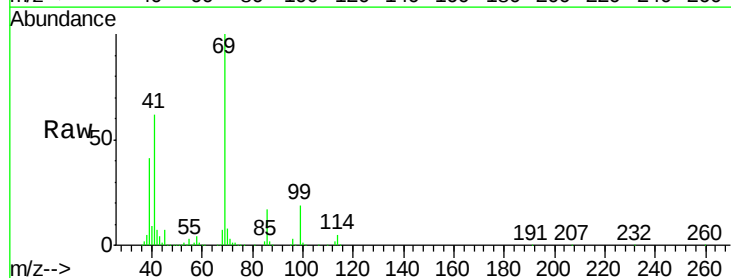
Manual Integrations
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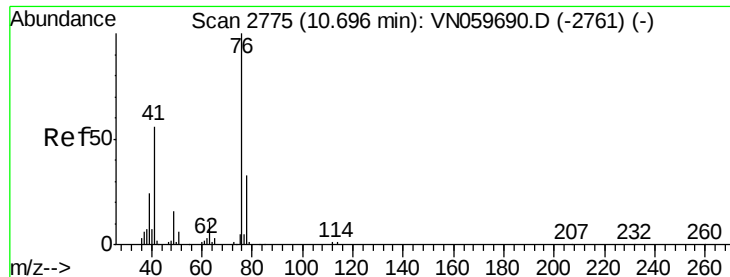
MMDadoda
 1/14/2020 11:00:00 AM



#56
 Ethyl methacrylate
 Concen: 134.473 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion:	69	Resp:	452866
Ion	Ratio	Lower	Upper
69	100		
41	63.0	57.1	85.7
39	40.7	34.7	52.1





#57

1,3-Dichloropropane

Concen: 116.775 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 461243

Ion Ratio Lower Upper

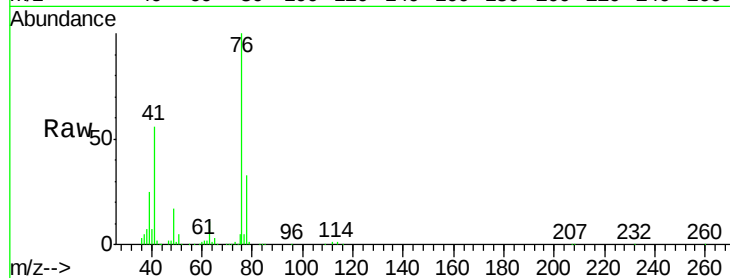
76 100

78 32.7 25.8 38.8

Manual Integrations
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1/14/2020 11:00:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VN059692.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059692.D (-2761) (-)

10.70

250000

200000

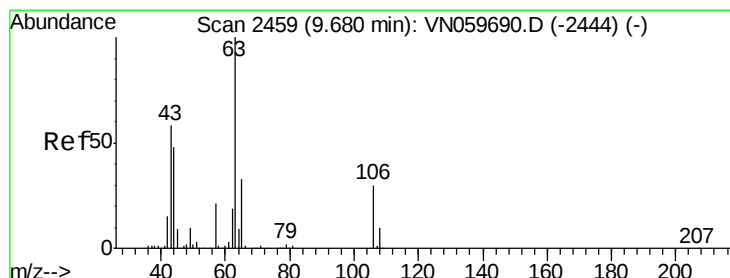
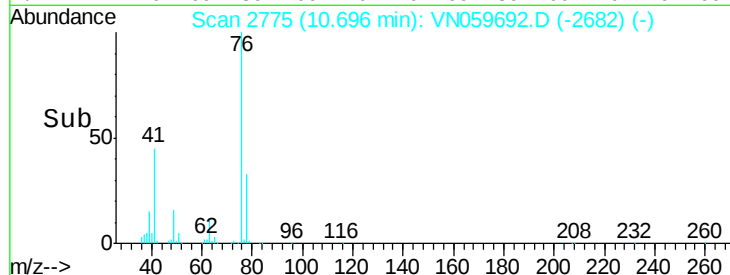
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 717.561 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059692.D

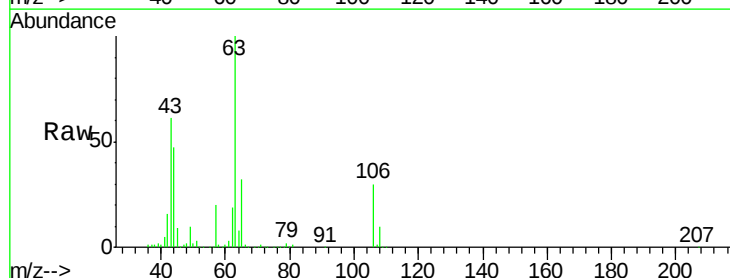
Acq: 13 Jan 2020 15:40

Tgt Ion: 63 Resp: 768556

Ion Ratio Lower Upper

63 100

106 29.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059692.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN059692.D (-2444) (-)

9.68

500000

400000

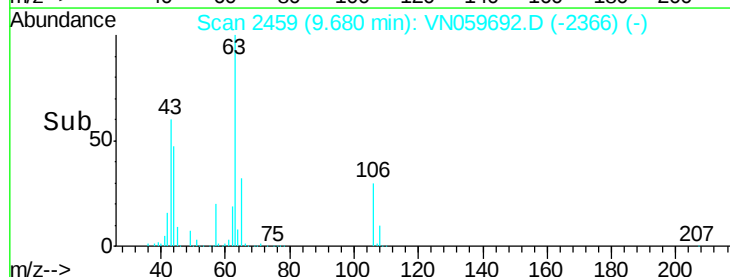
300000

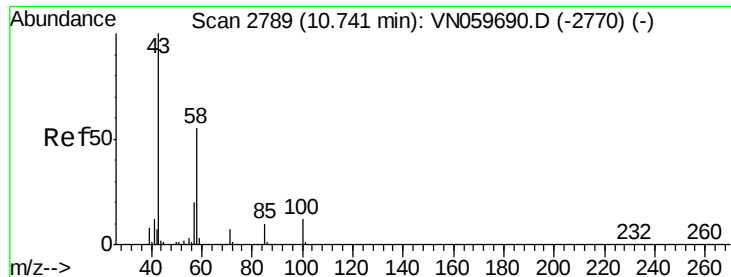
200000

100000

0

Time-->





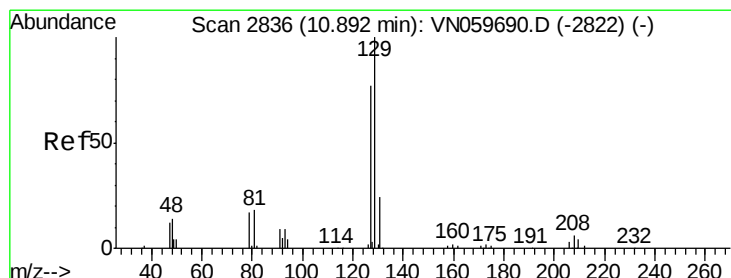
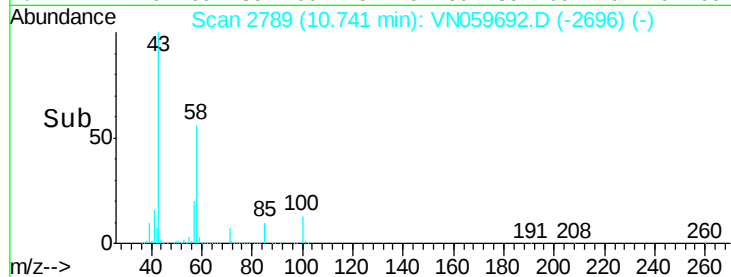
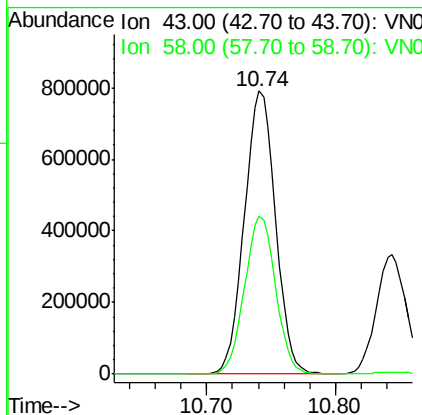
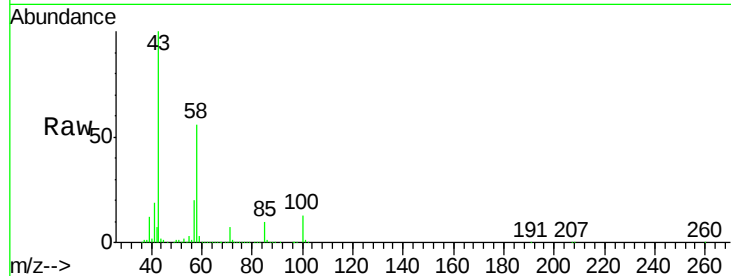
#59
2-Hexanone
Concen: 486.972 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1331281
Ion Ratio Lower Upper
43 100
58 55.7 25.8 77.3

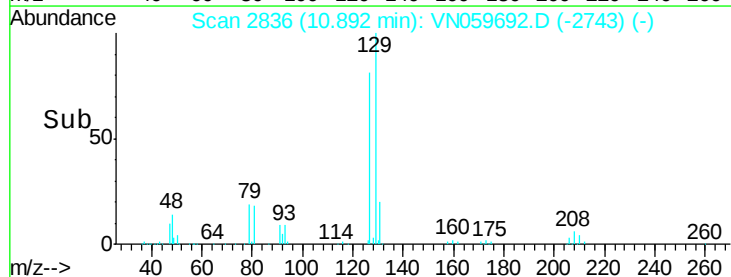
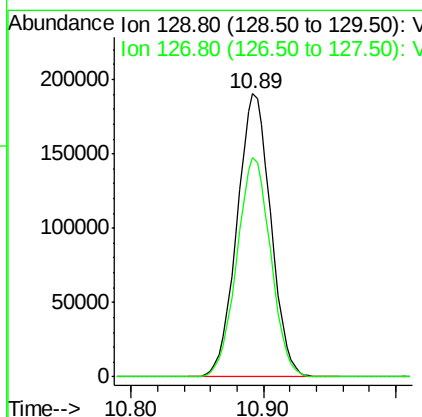
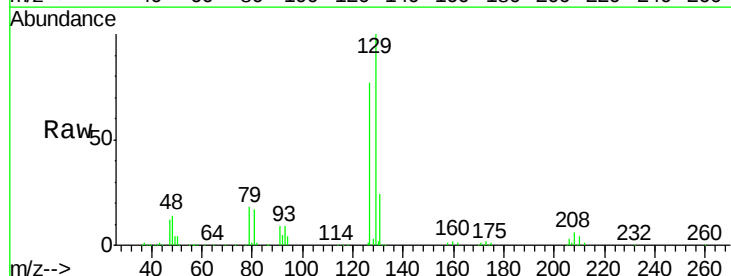
Manual Integrations
APPROVED

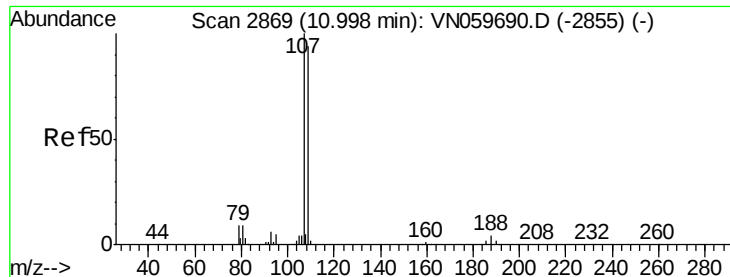
MMDadoda
1/14/2020 11:00:00 AM



#60
Dibromochloromethane
Concen: 135.696 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 129 Resp: 335969
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





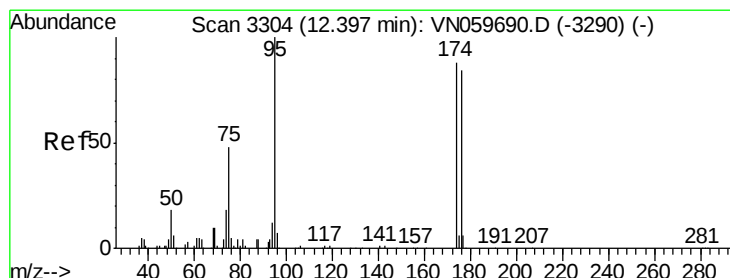
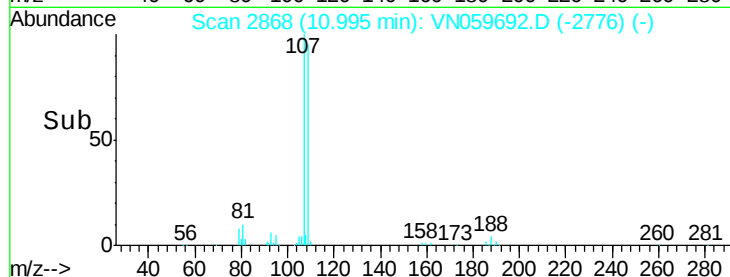
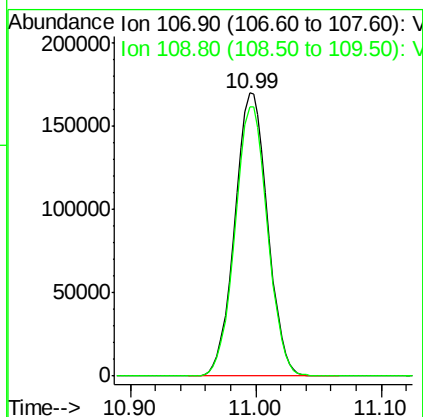
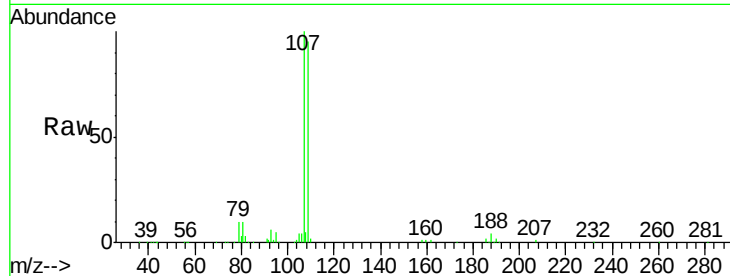
#61
 1,2-Dibromoethane
 Concen: 128.098 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.6	115.0

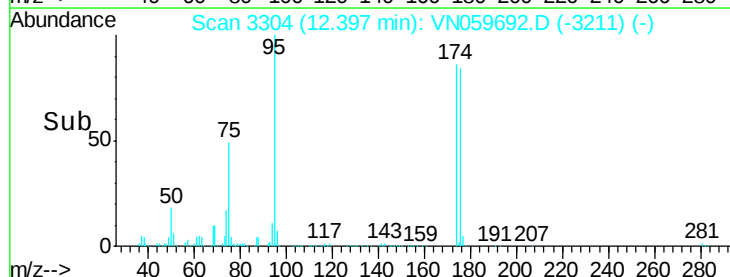
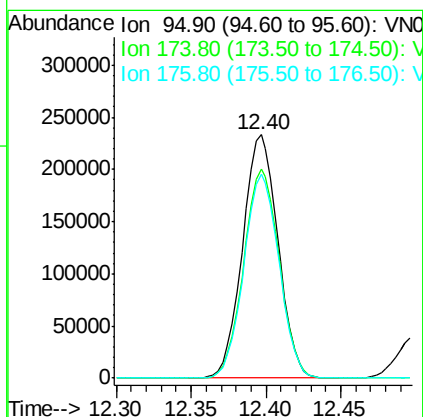
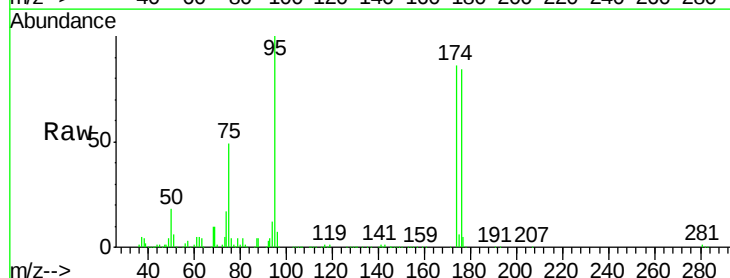
Manual Integrations
 APPROVED

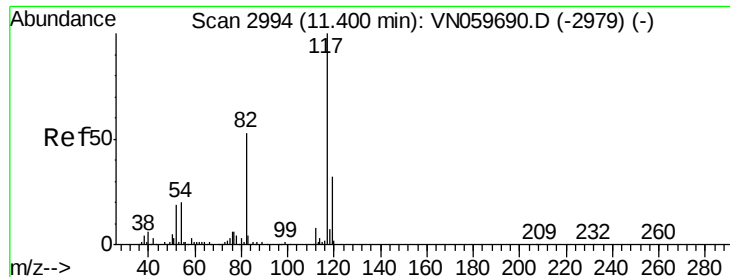
MMDadoda
 1/14/2020 11:00:00 AM



#62
 4-Bromofluorobenzene
 Concen: 137.702 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	151.4
176	83.5	0.0	146.0





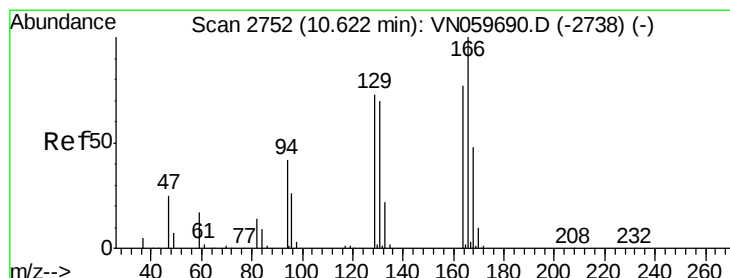
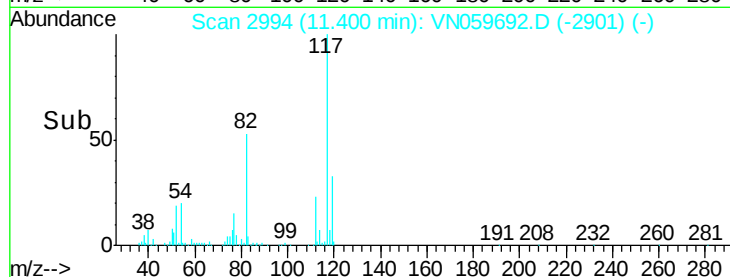
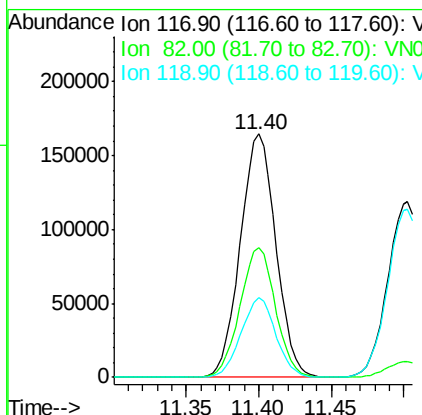
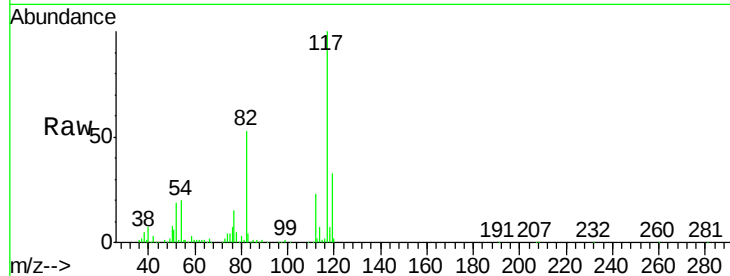
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.9	68.9
119	32.5	25.5	38.3

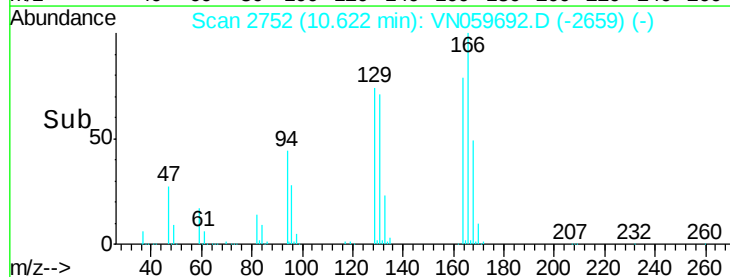
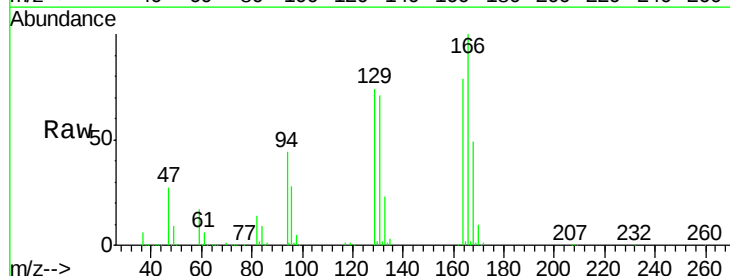
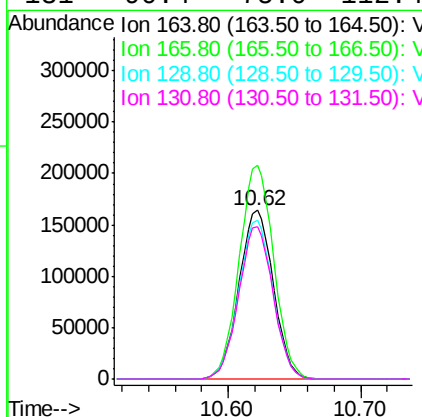
Manual Integrations
APPROVED

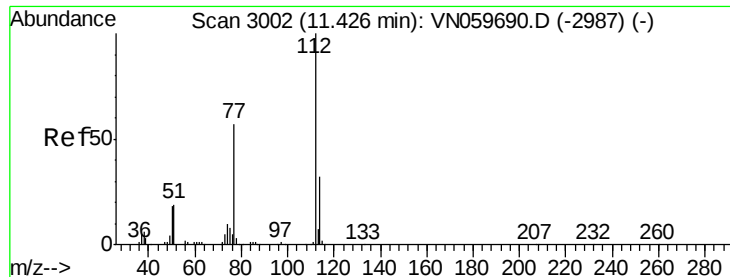
MMDadoda
1/14/2020 11:00:00 AM



#64
Tetrachloroethene
Concen: 112.364 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.4	152.0
129	94.0	80.2	120.4
131	90.4	75.0	112.4





#65

Chlorobenzene

Concen: 129.333 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:112 Resp: 787193

Ion Ratio Lower Upper

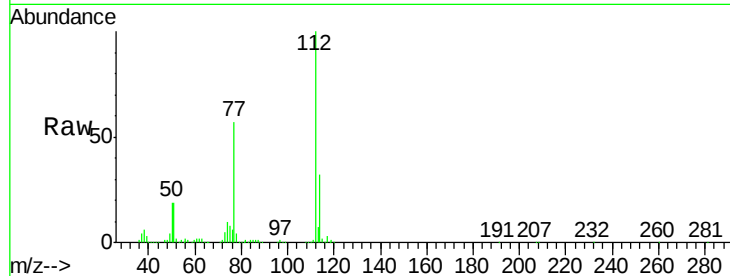
112 100

114 32.2 25.8 38.8

Manual Integrations
APPROVED

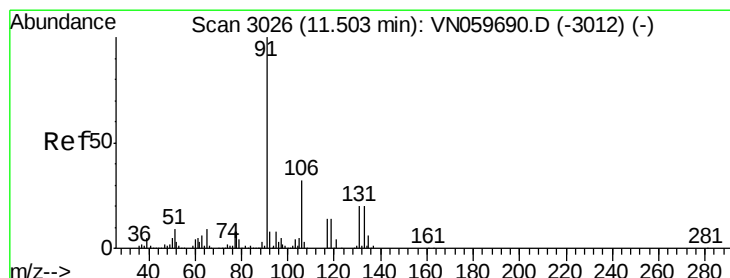
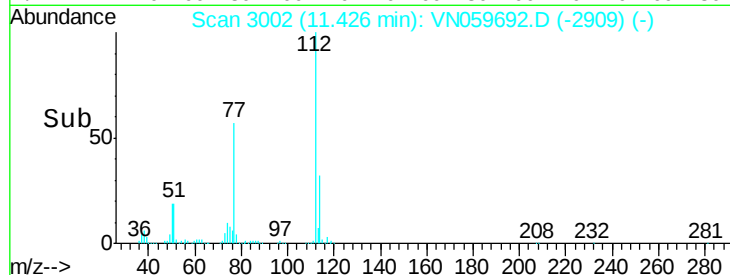
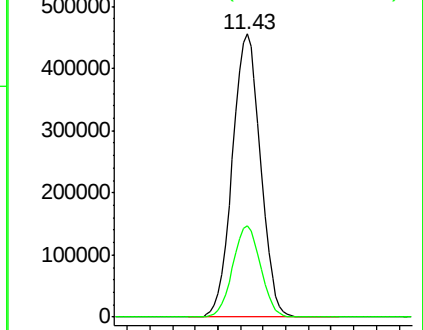
MMDadoda

1/14/2020 11:00:00 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 131.195 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

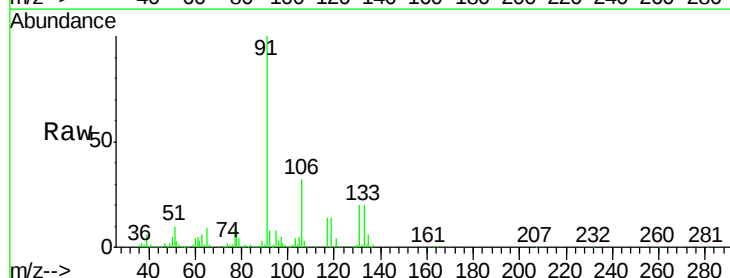
Tgt Ion:131 Resp: 303310

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

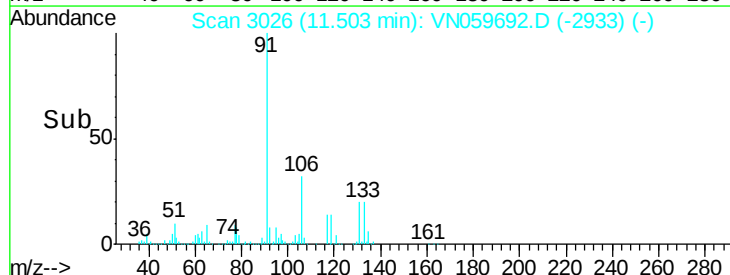
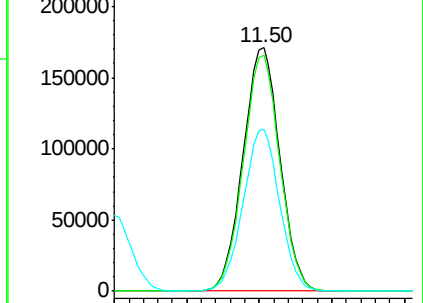
119 65.6 33.1 99.3

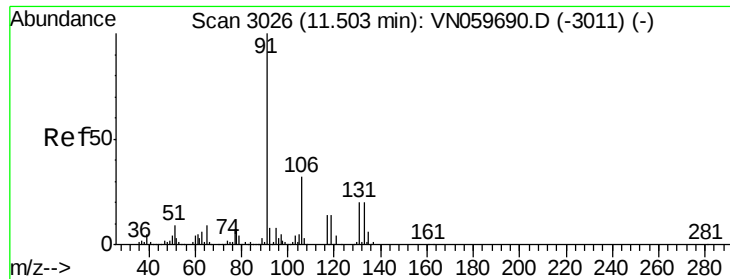


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





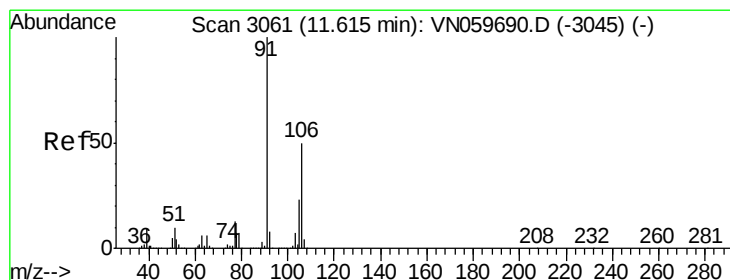
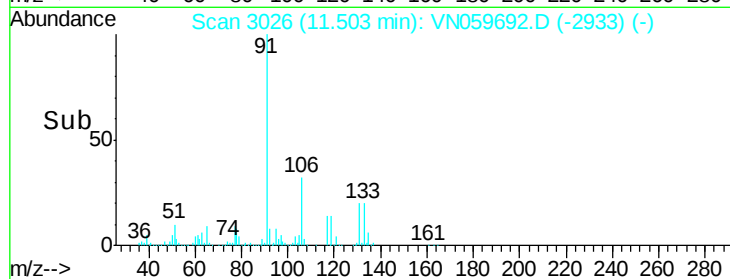
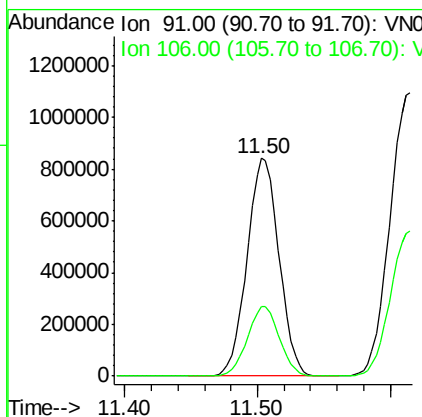
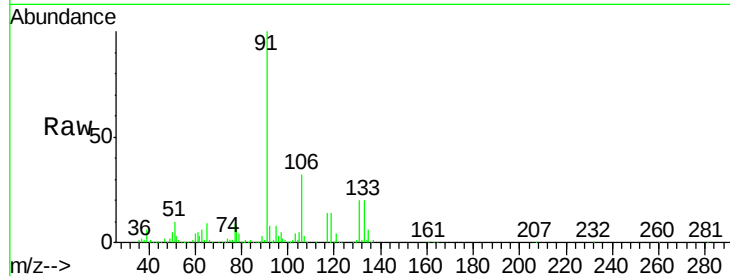
#67
Ethyl Benzene
Concen: 128.002 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1406296
Ion Ratio Lower Upper
91 100
106 31.9 24.1 36.1

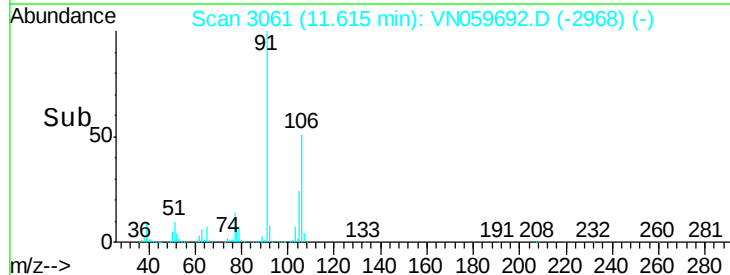
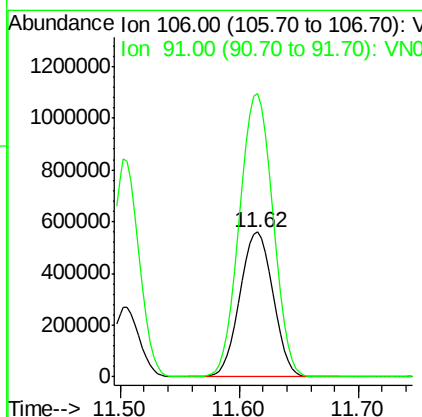
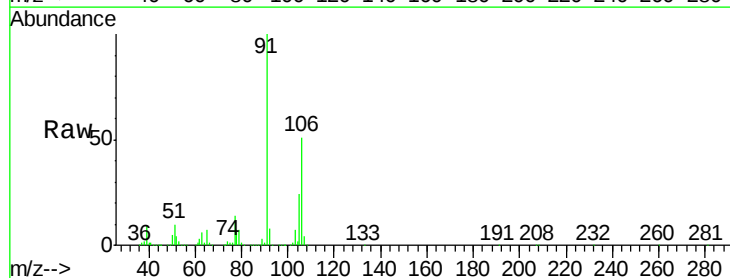
Manual Integrations
APPROVED

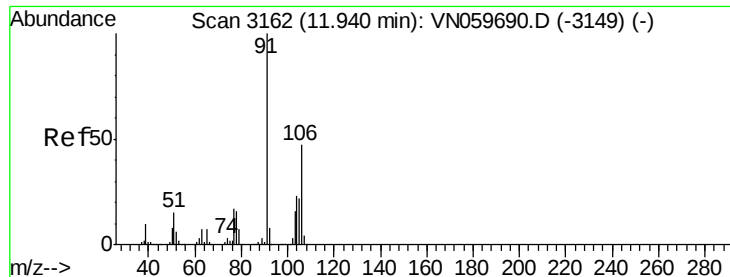
MMDadoda
1/14/2020 11:00:00 AM



#68
m/p-Xylenes
Concen: 266.715 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 106 Resp: 1082055
Ion Ratio Lower Upper
106 100
91 197.8 167.9 251.9





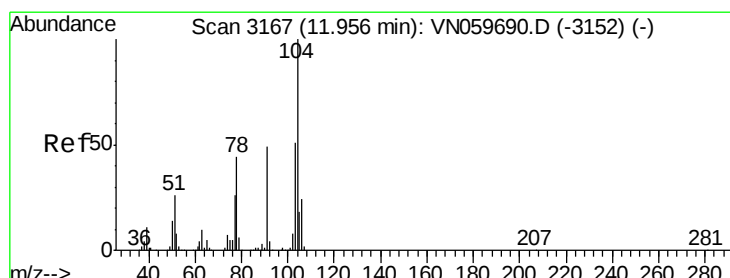
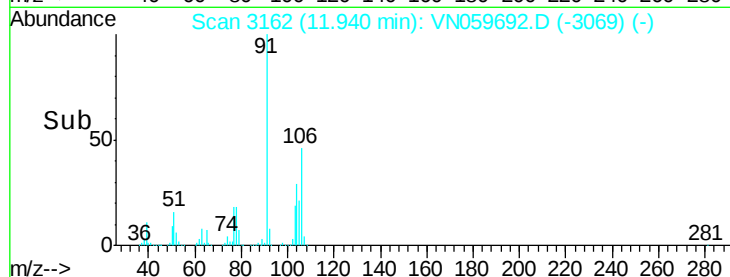
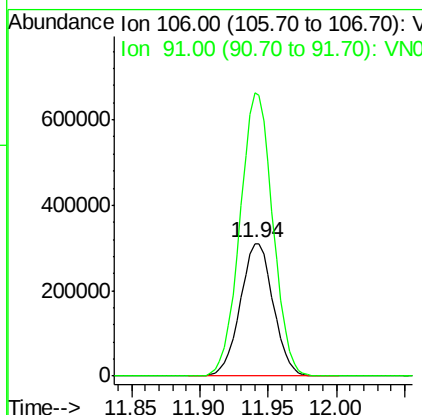
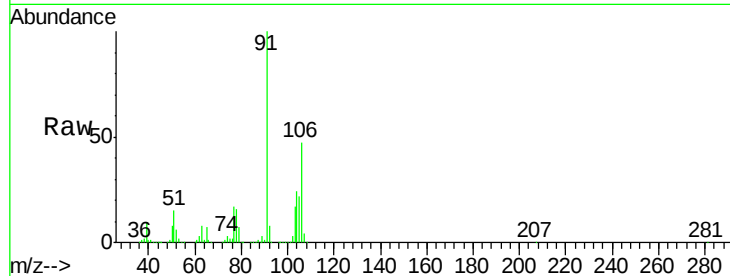
#69
o-Xylene
Concen: 135.022 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.0	110.3	330.9

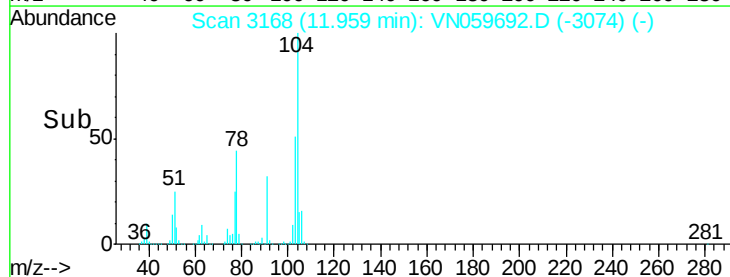
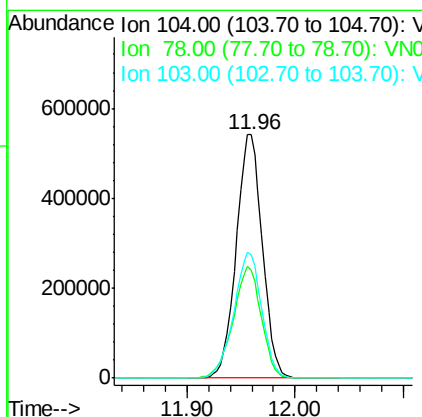
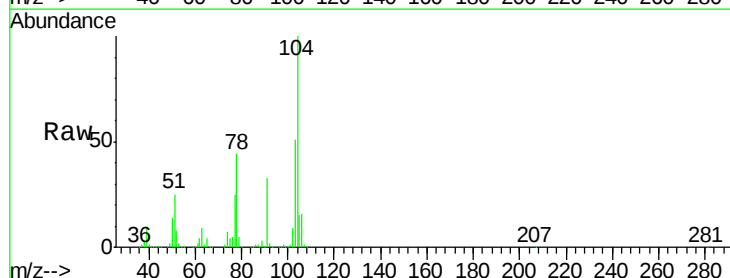
Manual Integrations
APPROVED

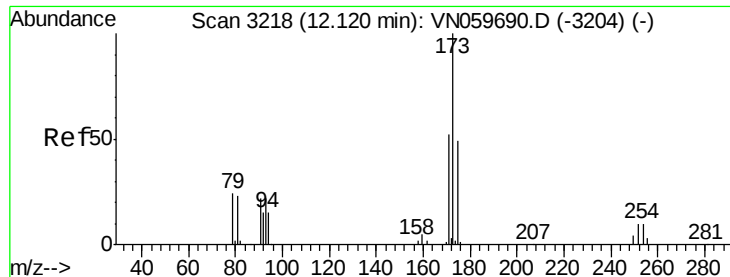
MMDadoda
1/14/2020 11:00:00 AM



#70
Styrene
Concen: 147.422 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	42.4	63.6
103	55.1	43.9	65.9





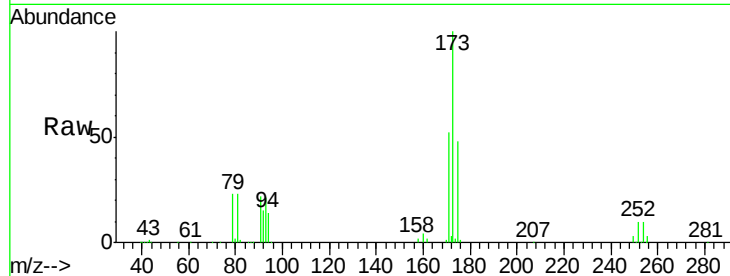
#71
Bromoform
Concen: 151.425 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.4
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
1/14/2020 11:00:00 AM

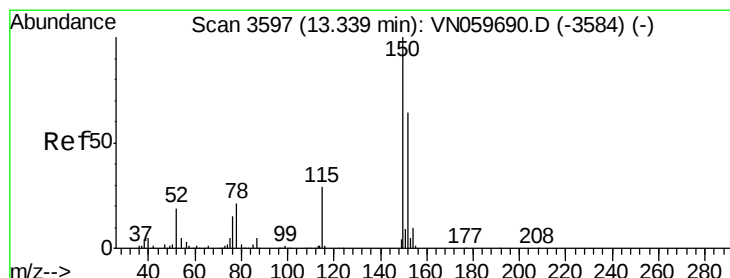
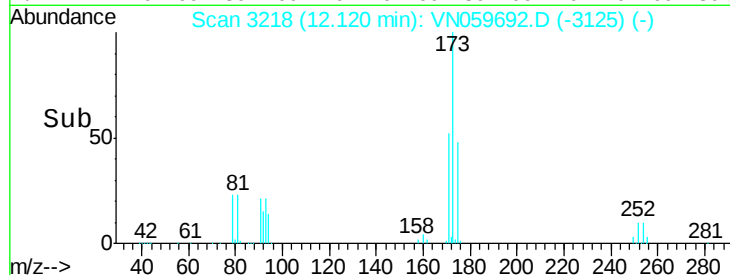
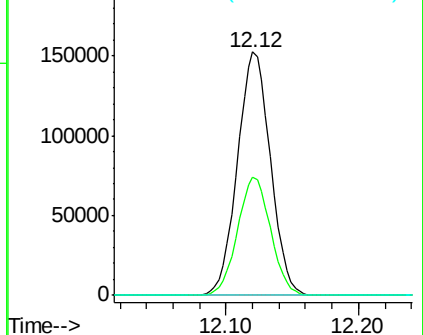


Abundance

Ion 172.70 (172.40 to 173.40): V

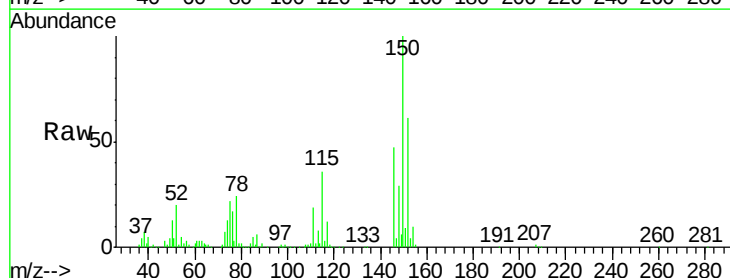
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	30.3	90.9
150	202.7	0.0	345.2

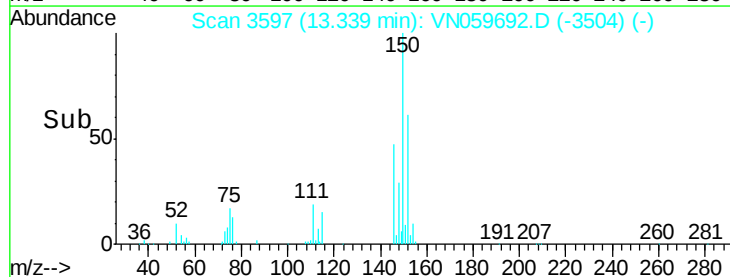
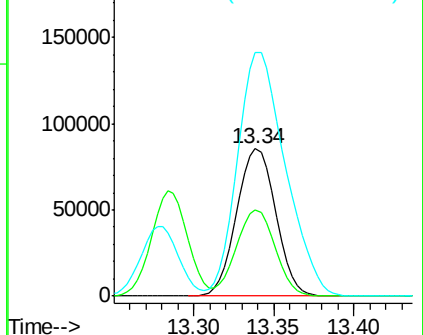


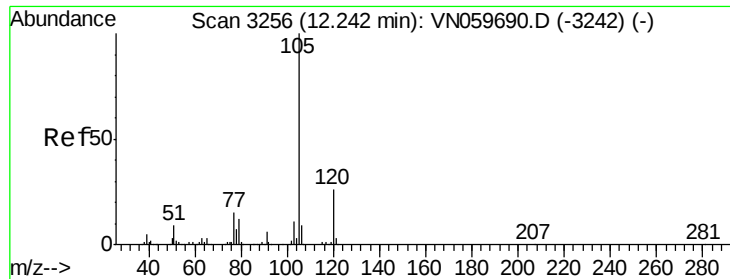
Abundance

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





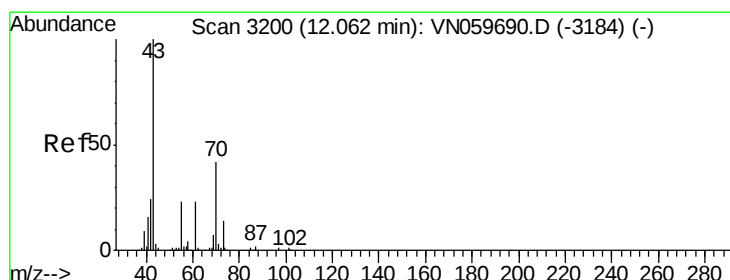
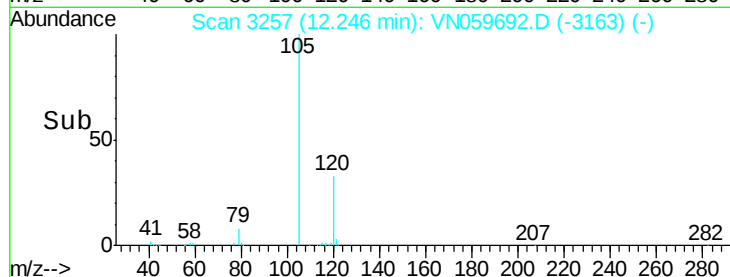
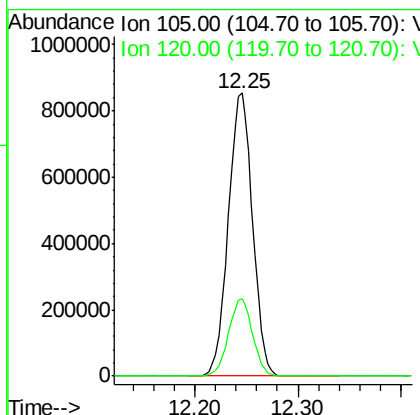
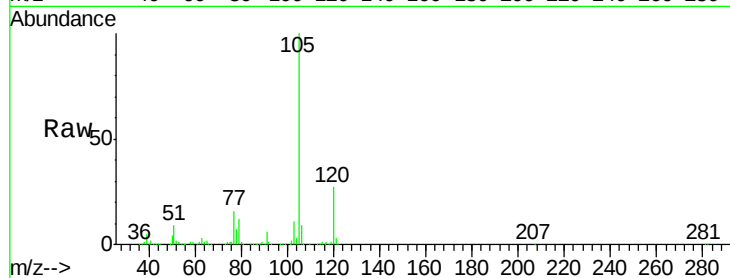
#73
Isopropylbenzene
Concen: 124.461 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1394061
Ion Ratio Lower Upper
105 100
120 27.0 13.2 39.5

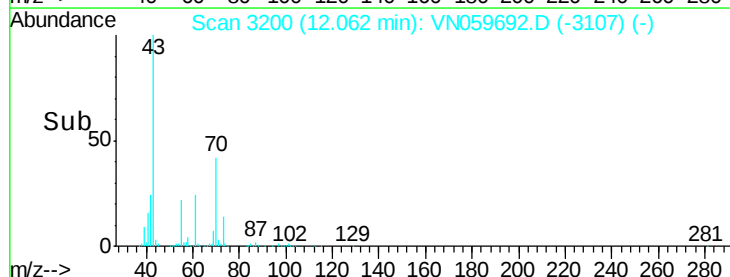
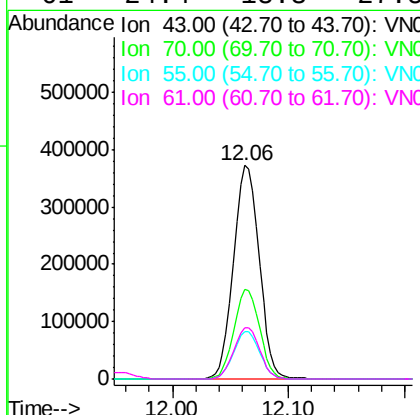
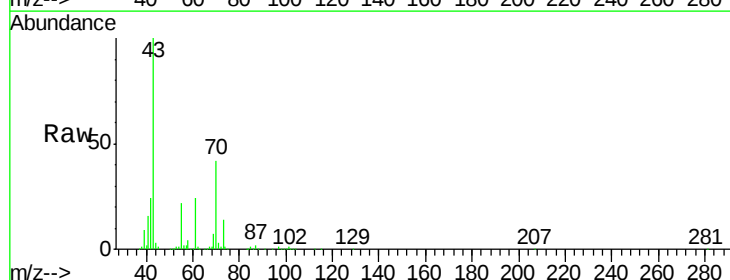
Manual Integrations
APPROVED

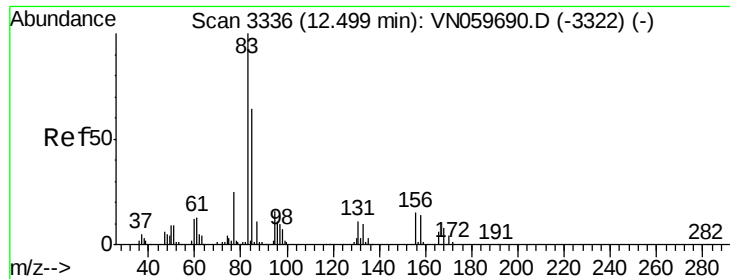
MMDadoda
1/14/2020 11:00:00 AM



#74
N-ethyl acetate
Concen: 110.413 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 43 Resp: 567290
Ion Ratio Lower Upper
43 100
70 42.1 31.3 46.9
55 22.5 19.8 29.6
61 24.4 18.3 27.5





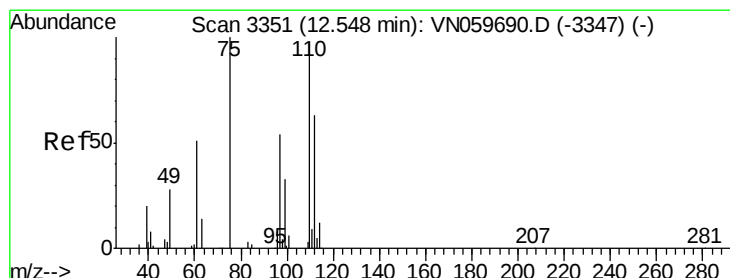
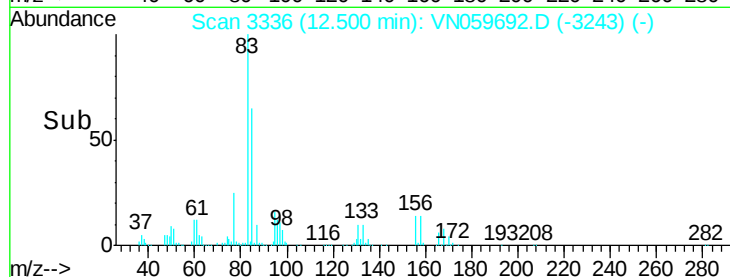
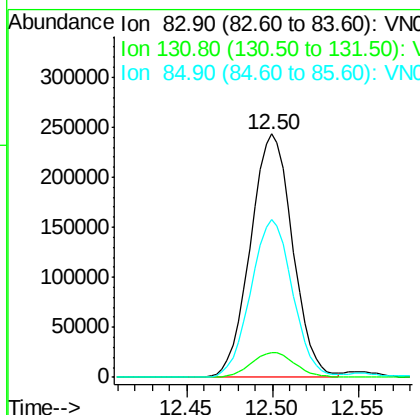
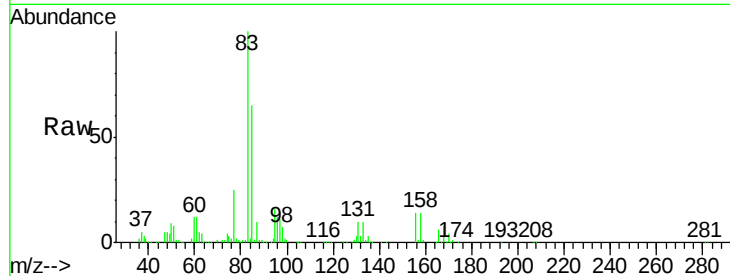
#75
 1,1,2,2-Tetrachloroethane
 Concen: 116.113 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	412555		
131	10.6	5.0	14.9	
85	64.4	31.9	95.5	

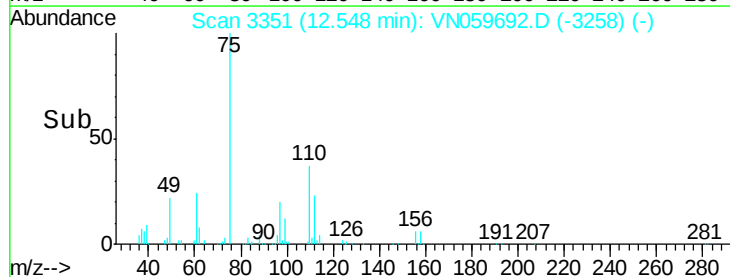
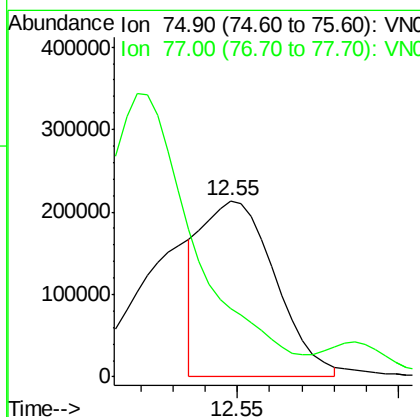
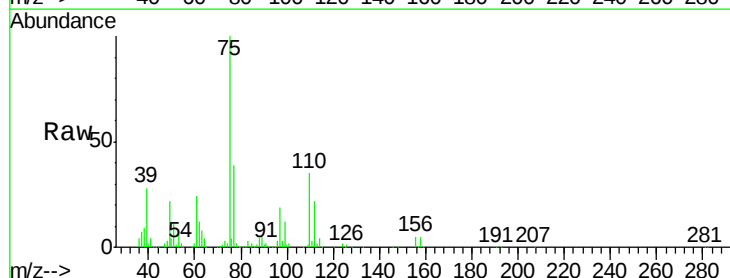
Manual Integrations
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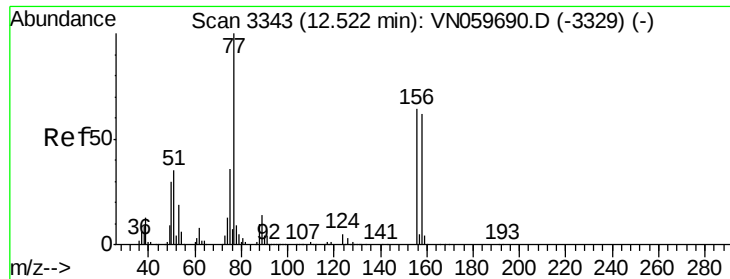
MMDadoda
 1/14/2020 11:00:00 AM



#76
 1,2,3-Trichloropropane
 Concen: 96.102 ug/l m
 RT: 12.55 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	339455		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 130.515 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

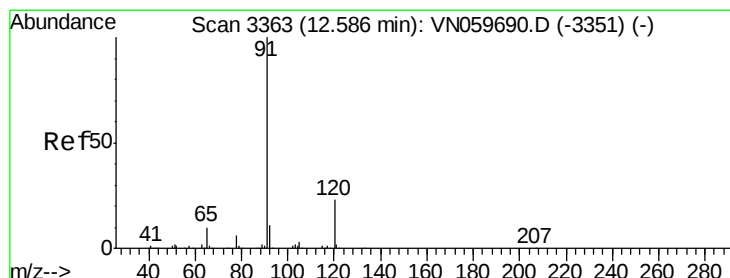
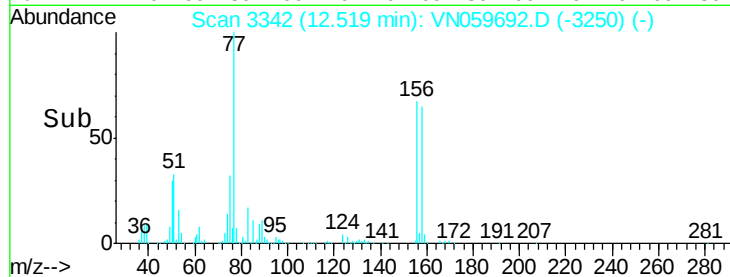
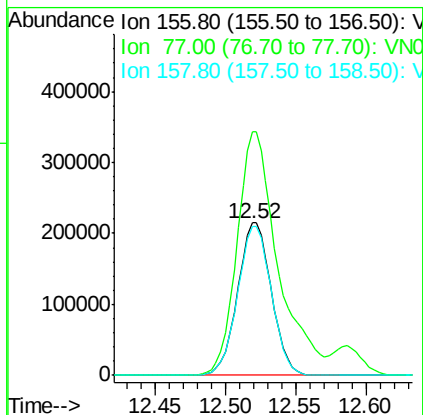
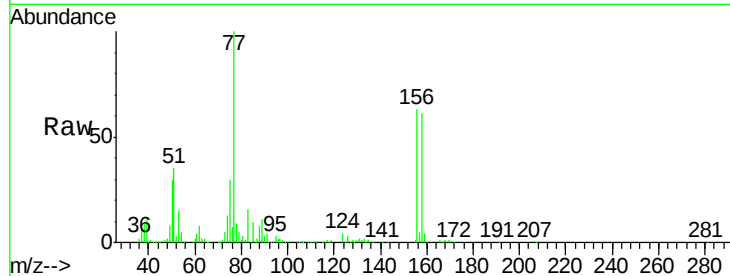
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	359511
Ion Ratio	Lower	Upper	
156	100		
77	193.5	115.8	347.4
158	98.2	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 121.528 ug/l

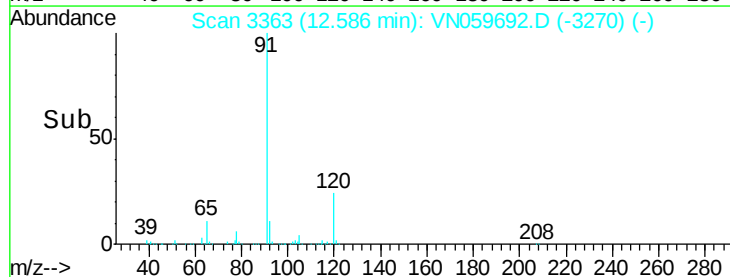
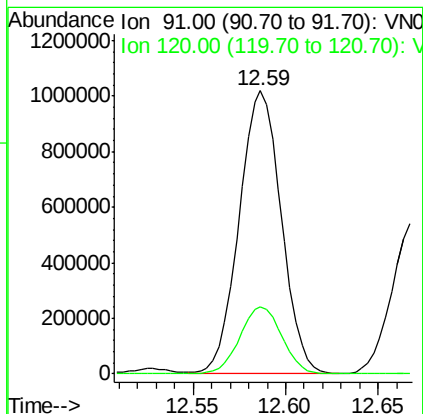
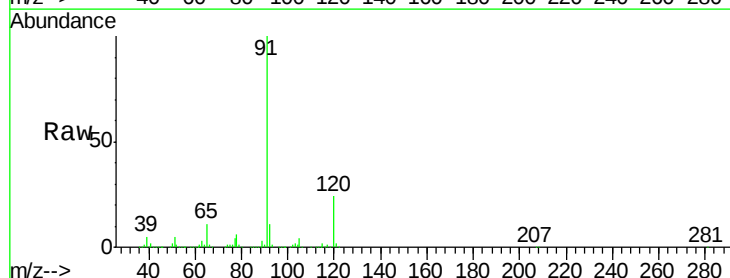
RT: 12.59 min Scan# 3363

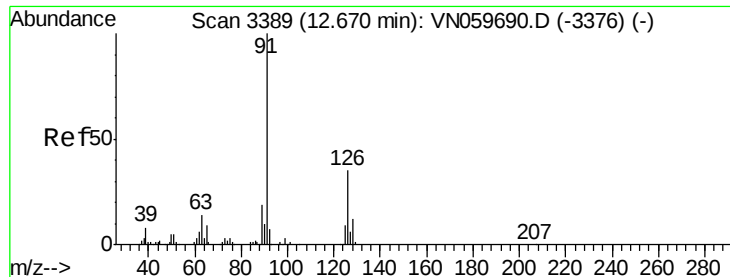
Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Tgt Ion:	91	Resp:	1609065
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 116.866 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 935654

Ion Ratio Lower Upper

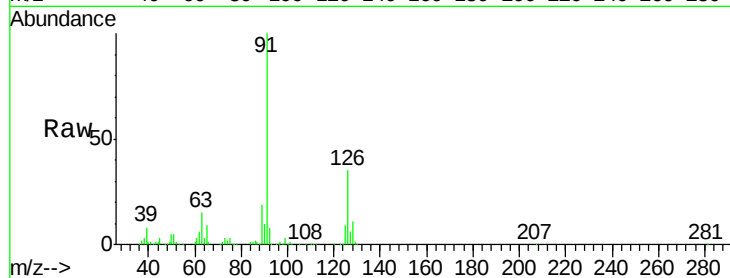
91 100

126 35.3 16.3 48.9

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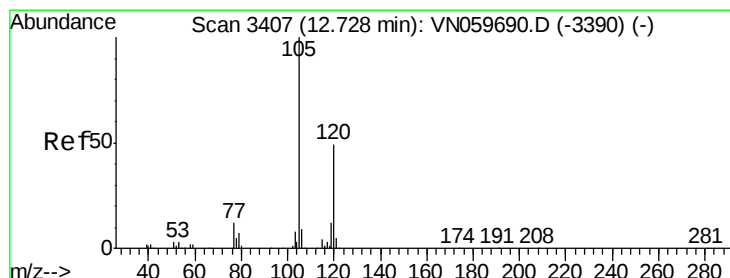
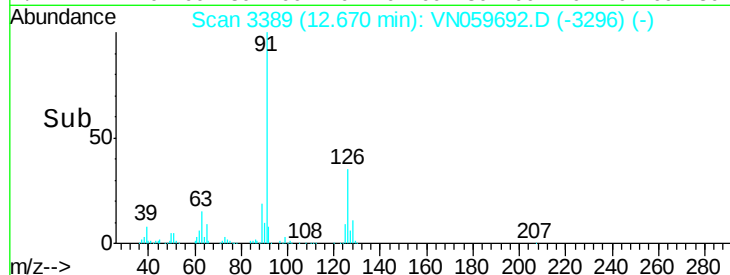
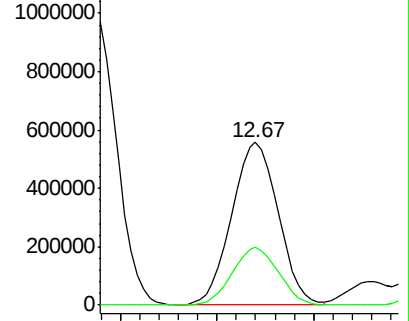
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Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059690.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 125.505 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059692.D

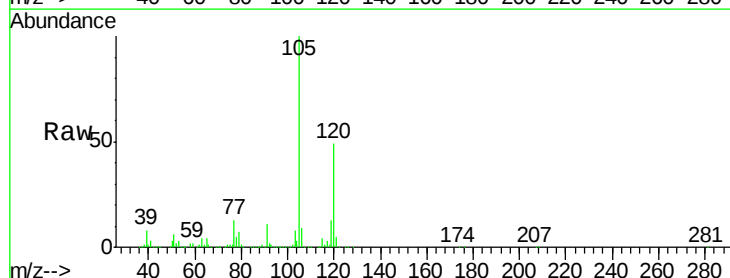
Acq: 13 Jan 2020 15:40

Tgt Ion: 105 Resp: 1189624

Ion Ratio Lower Upper

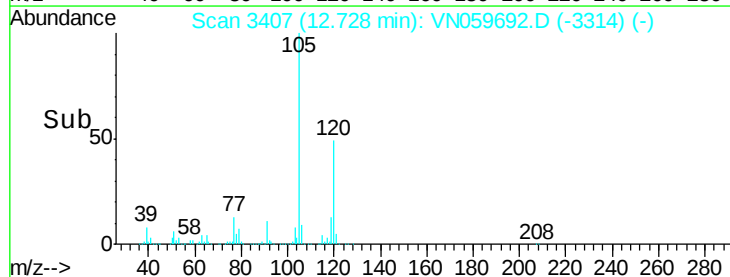
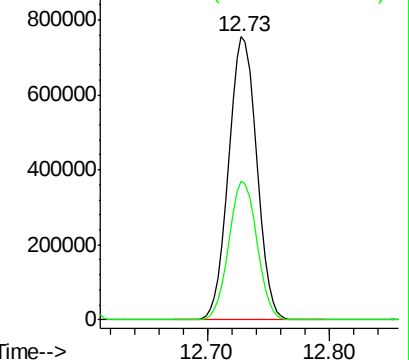
105 100

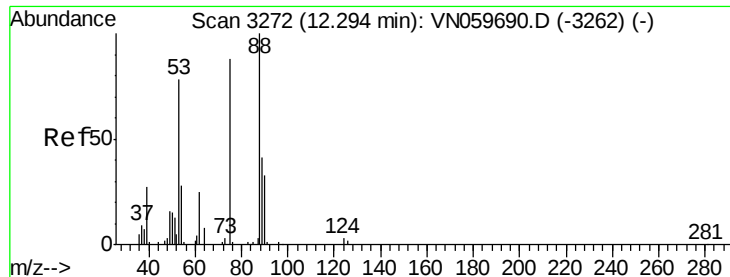
120 49.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 112.808 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 161329

Ion Ratio Lower Upper

75 100

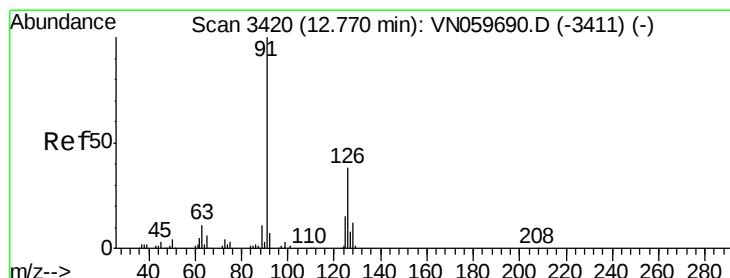
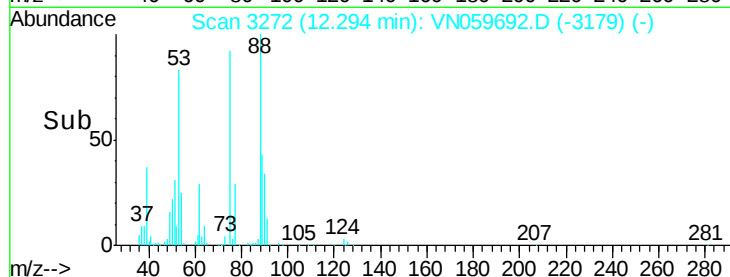
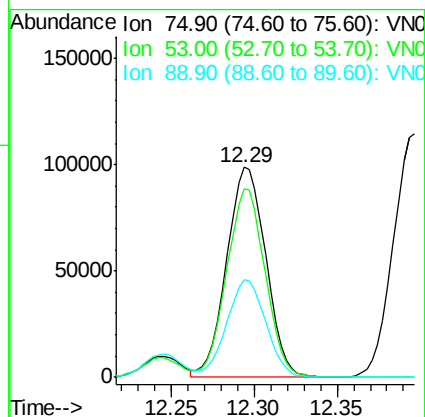
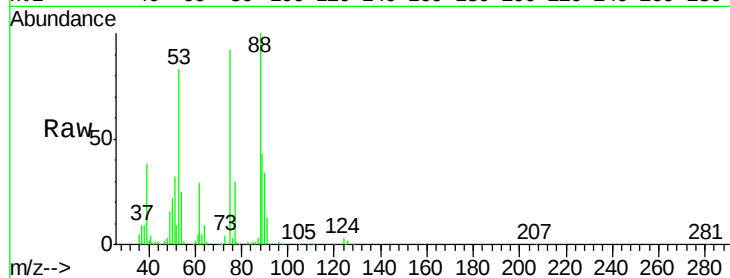
53 89.7 78.1 117.1

89 46.9 35.4 53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 119.727 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059692.D

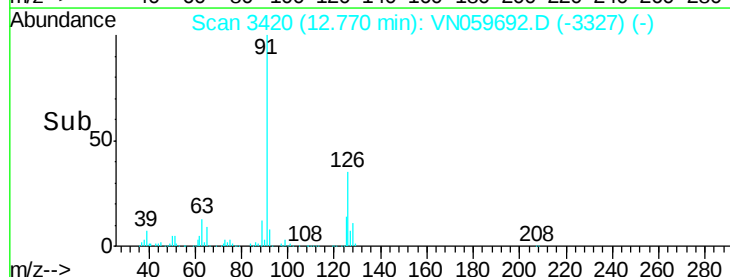
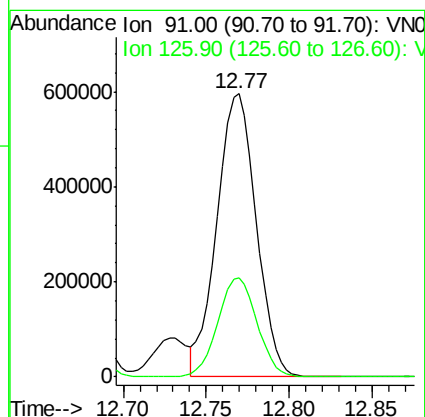
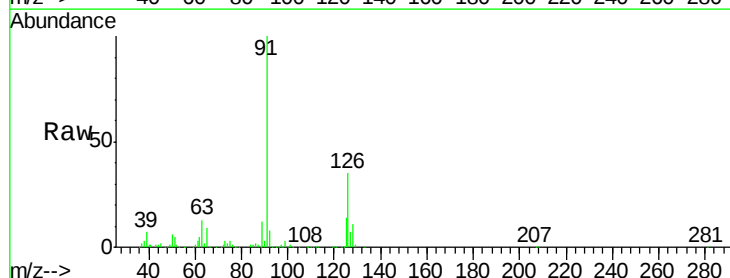
Acq: 13 Jan 2020 15:40

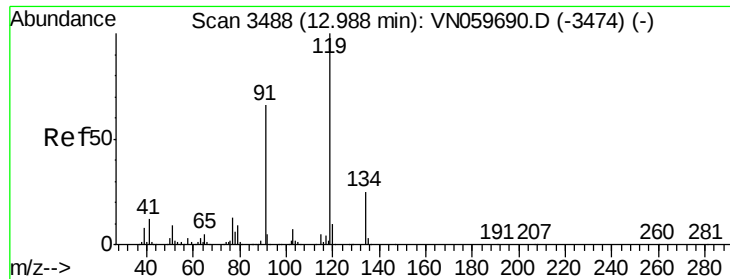
Tgt Ion: 91 Resp: 981452

Ion Ratio Lower Upper

91 100

126 34.9 16.3 48.8





#83

tert-Butylbenzene

Concen: 126.525 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

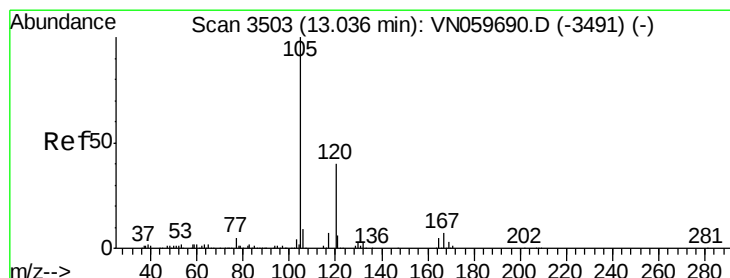
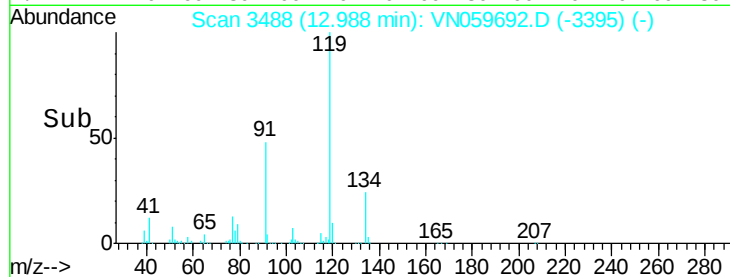
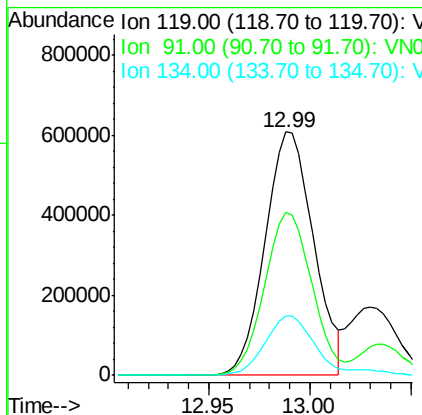
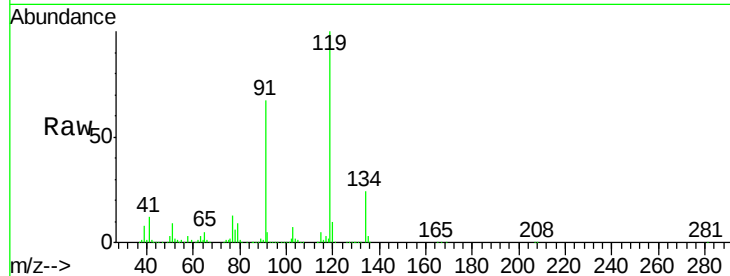
ClientSampleId :

VSTDIC150

Tot Ion:119	Resp: 1015637
Ion Ratio	Lower Upper
119 100	
91 65.5	34.8 104.4
134 26.0	12.3 36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 127.676 ug/l

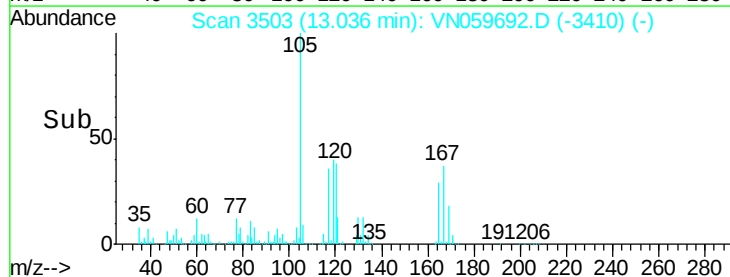
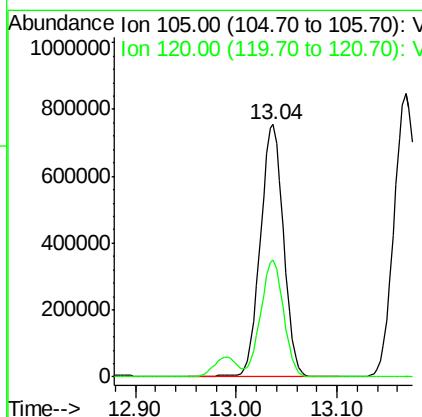
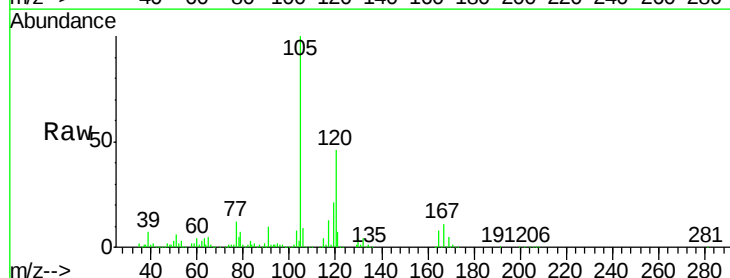
RT: 13.04 min Scan# 3503

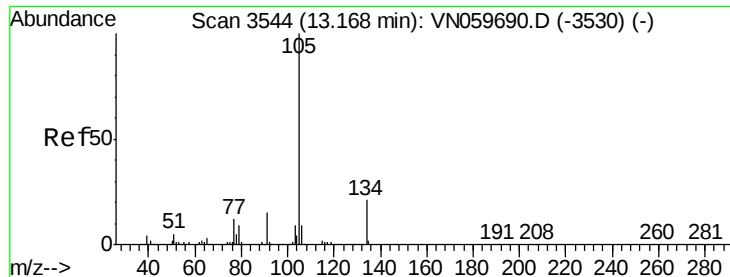
Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Tgt Ion:105	Resp: 1203361
Ion Ratio	Lower Upper
105 100	
120 45.6	22.3 66.9





#85

sec-Butylbenzene

Concen: 127.237 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1358611

Ion Ratio Lower Upper

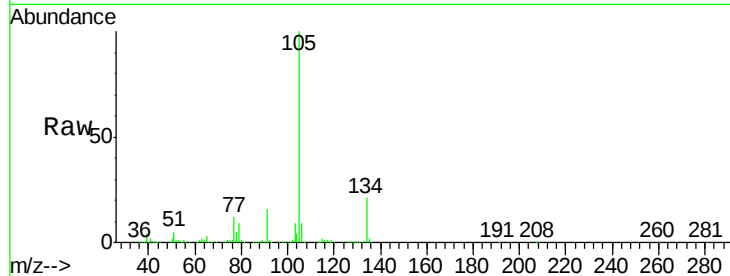
105 100

134 20.5 9.8 29.5

Manual Integrations
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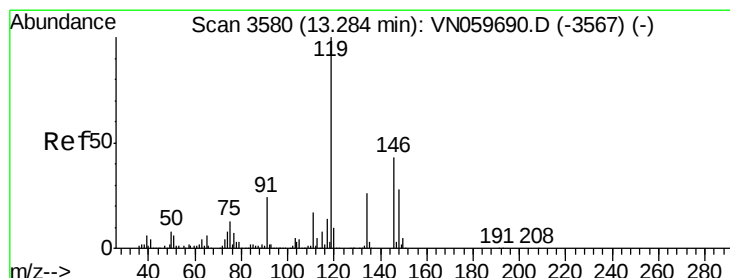
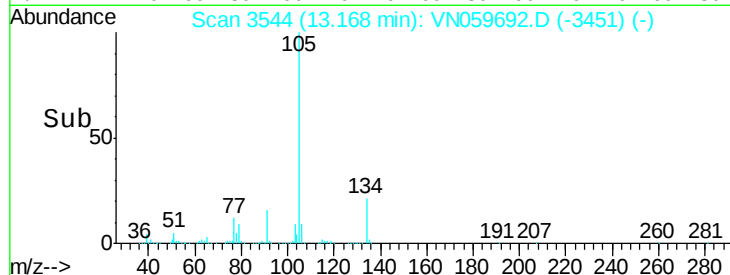
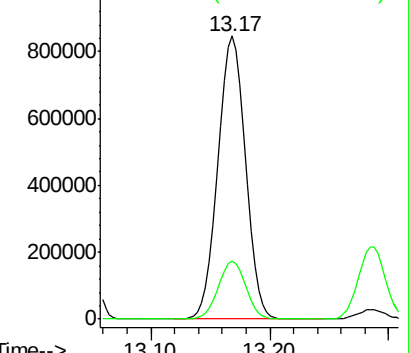
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 131.067 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

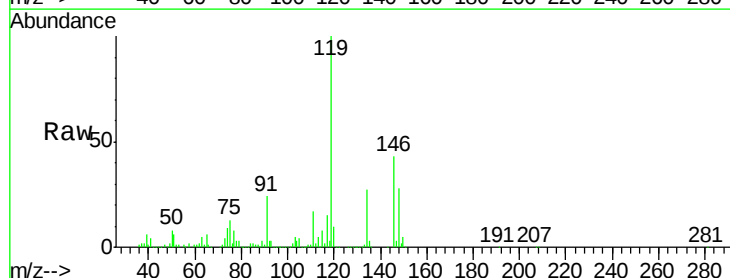
Tgt Ion:119 Resp: 1267532

Ion Ratio Lower Upper

119 100

134 27.1 12.9 38.7

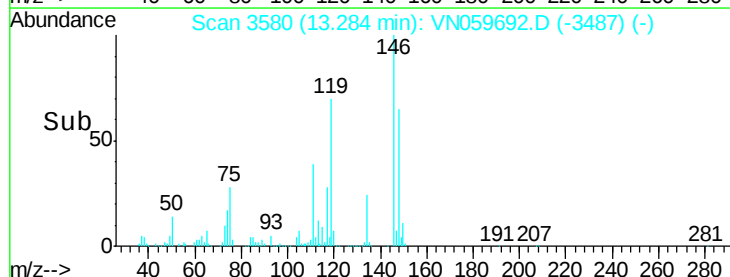
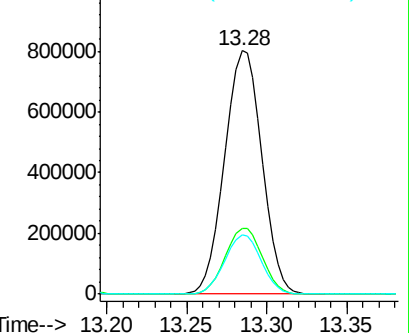
91 23.9 12.4 37.4

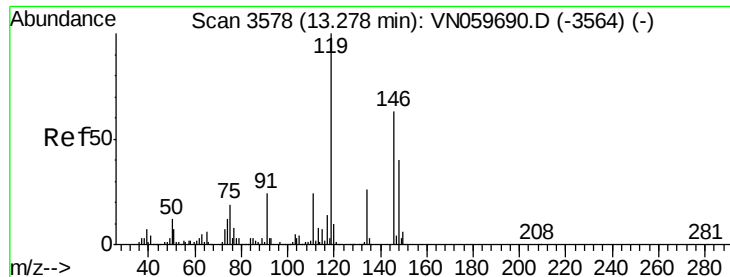


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 127.967 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059692.D

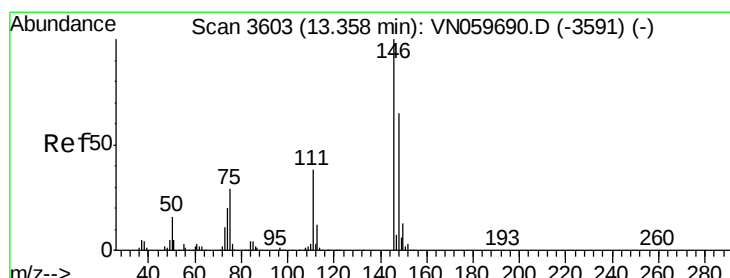
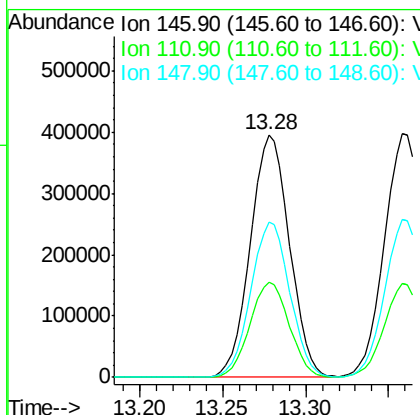
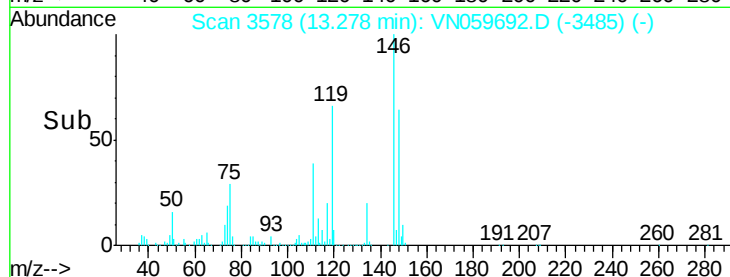
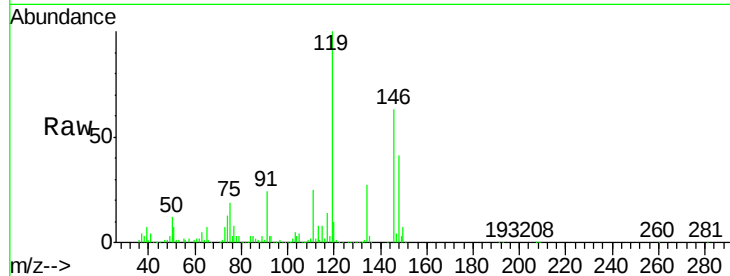
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	63.9	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 127.549 ug/l

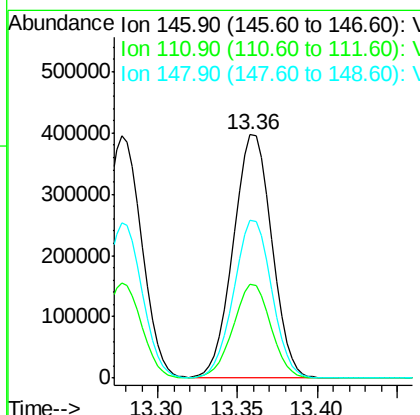
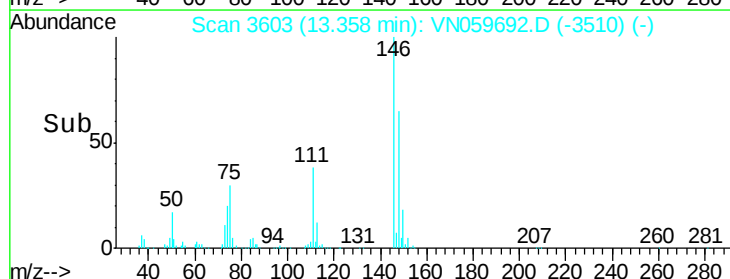
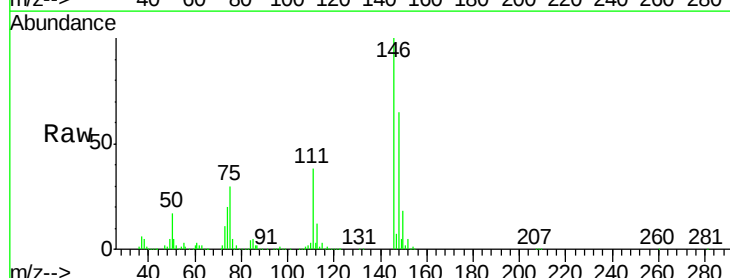
RT: 13.36 min Scan# 3603

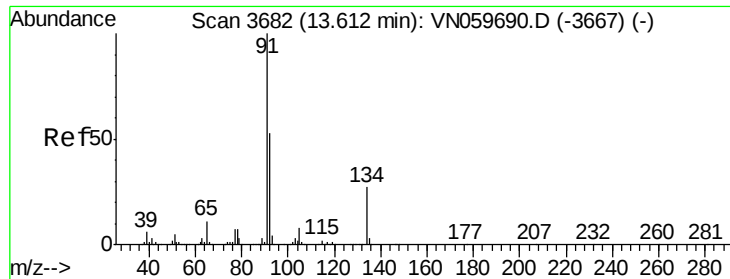
Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.8	62.2
148	64.0	31.8	95.4





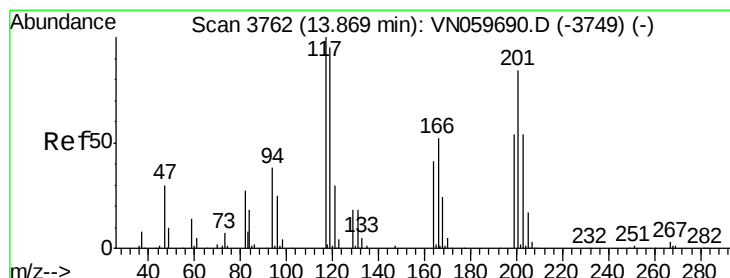
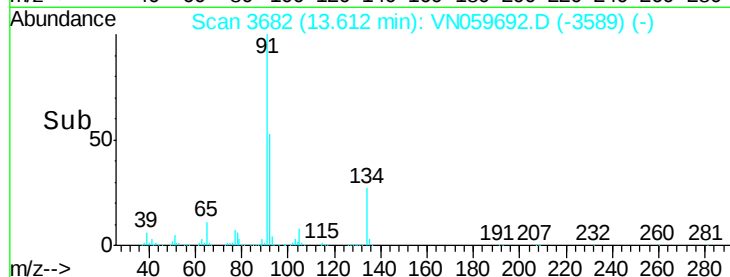
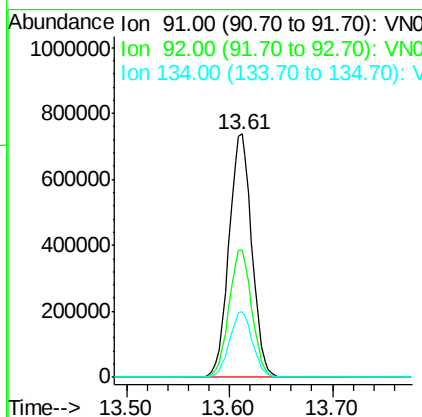
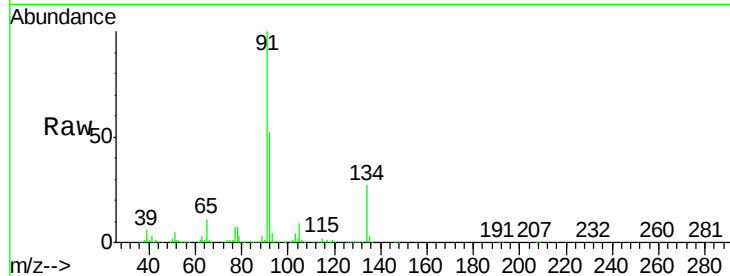
#89
n-Butylbenzene
Concen: 125.416 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1137124
Ion Ratio Lower Upper
91 100
92 52.4 25.9 77.7
134 27.0 12.3 36.8

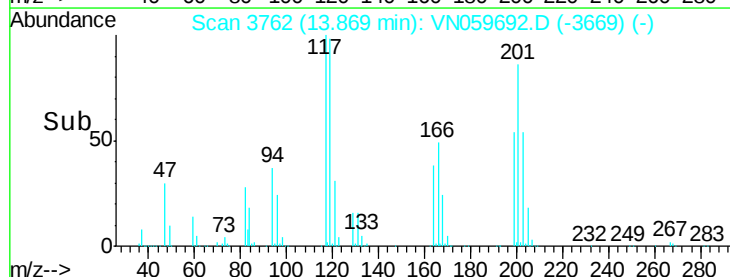
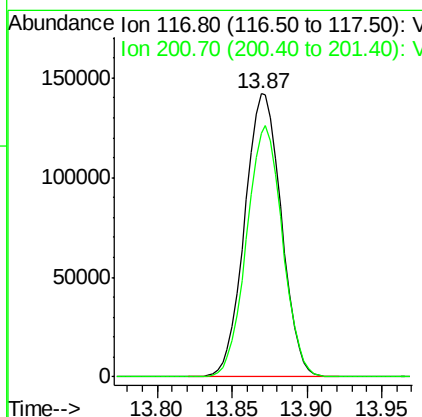
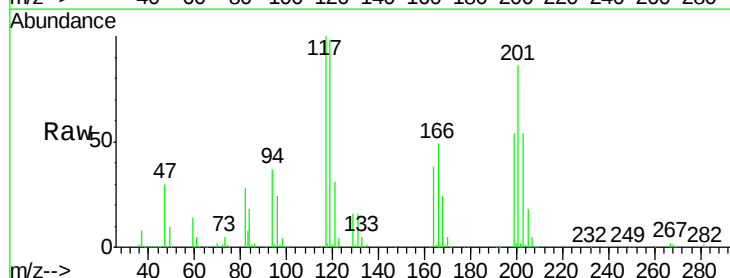
Manual Integrations
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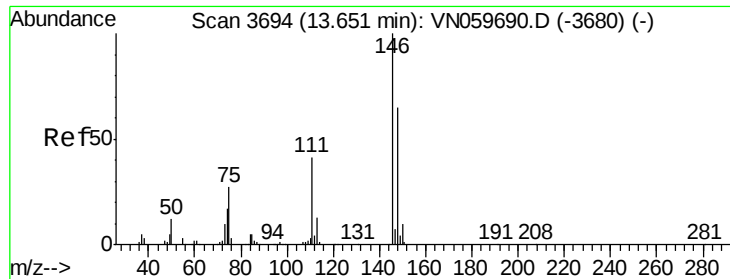
MMDadoda
1/14/2020 11:00:00 AM



#90
Hexachloroethane
Concen: 132.609 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 117 Resp: 242411
Ion Ratio Lower Upper
117 100
201 86.7 37.8 113.4





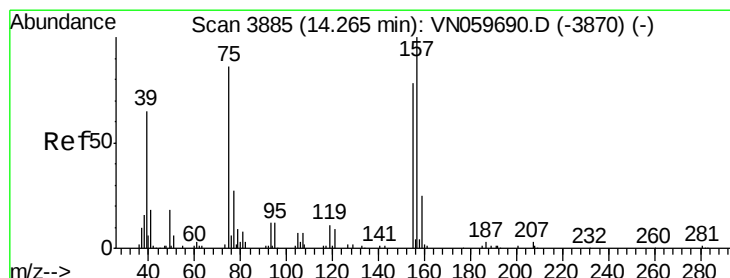
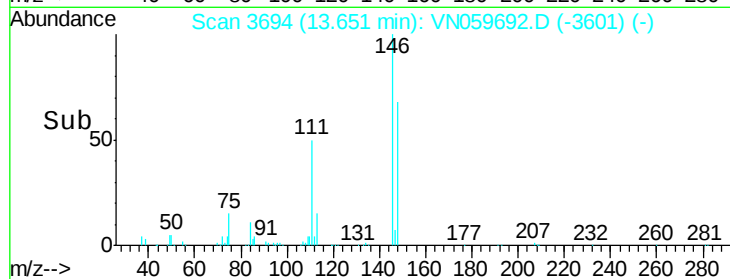
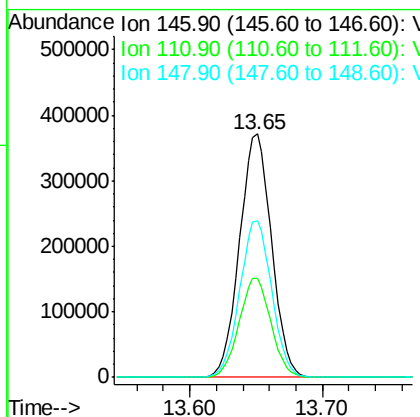
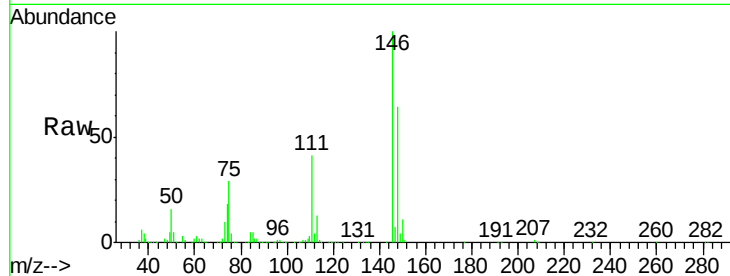
#91
 1,2-Dichlorobenzene
 Concen: 124.577 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.6	64.8
148	64.2	31.6	95.0

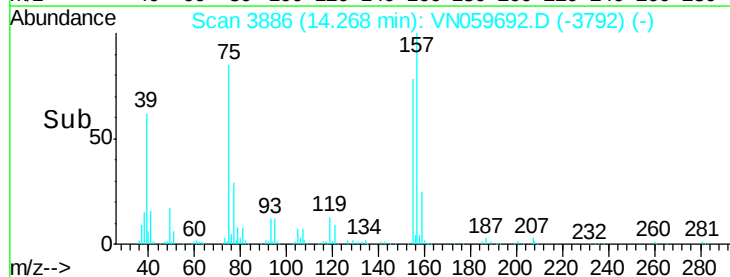
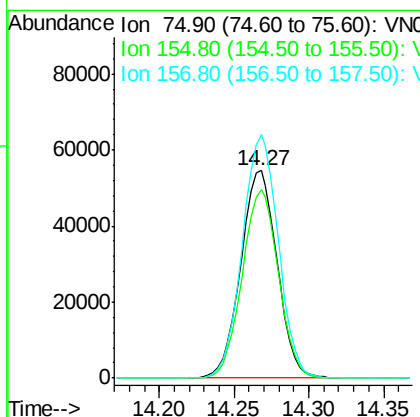
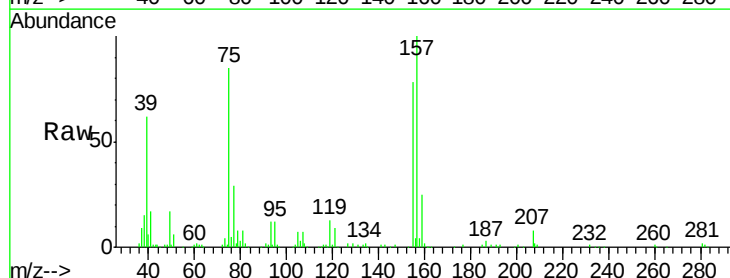
Manual Integrations
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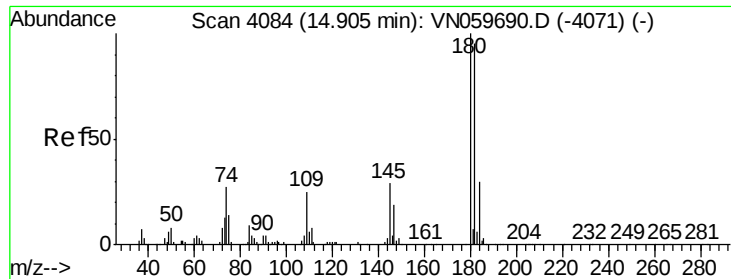
MMDadoda
 1/14/2020 11:00:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 87.481 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.0	37.0	110.9
157	117.1	48.4	145.2





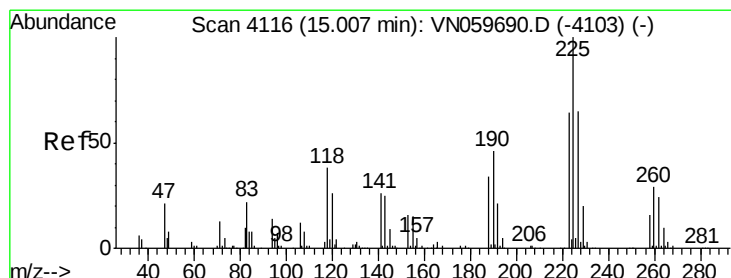
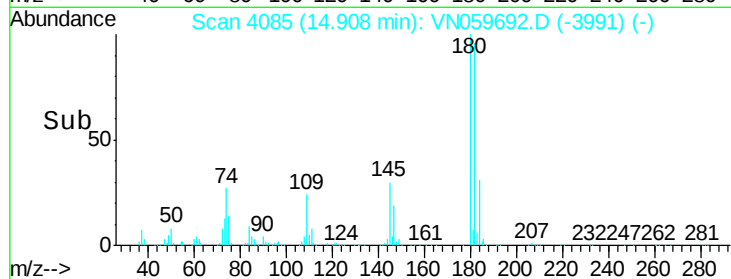
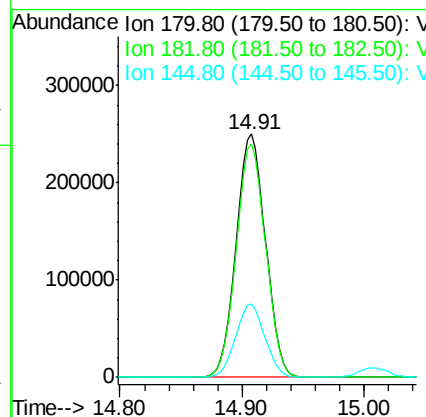
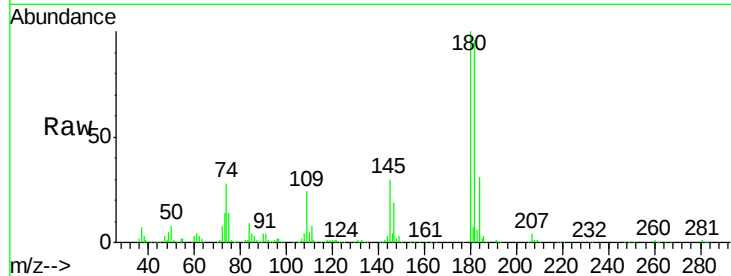
#93
 1,2,4-Trichlorobenzene
 Concen: 129.819 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	418750		
182	96.0	46.9	140.7	
145	30.0	15.0	45.1	

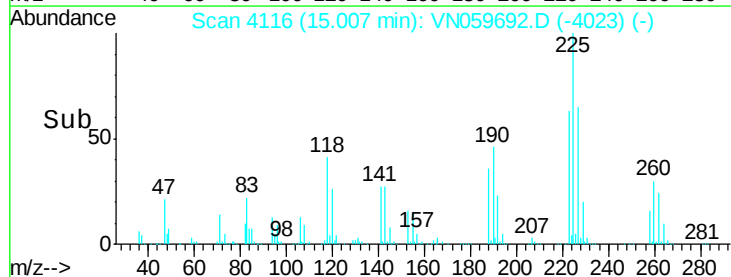
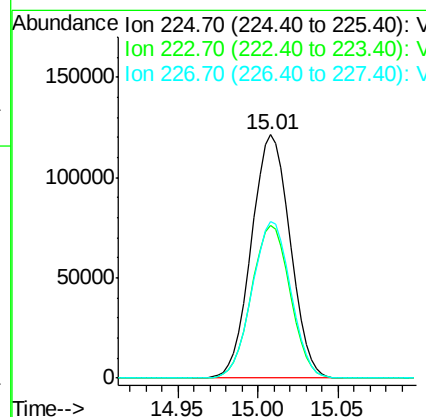
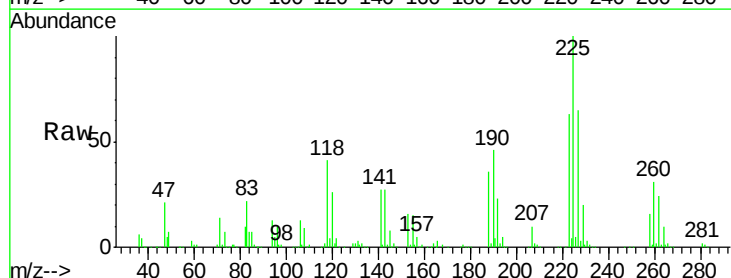
Manual Integrations
 APPROVED

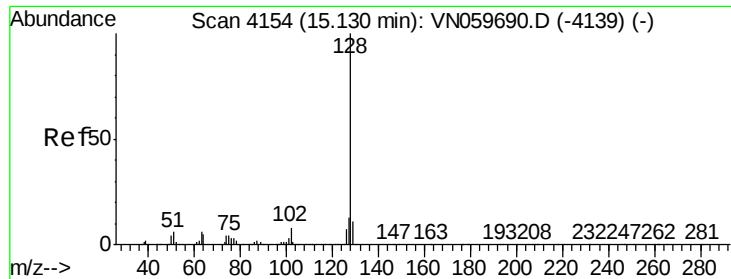
MMDadoda
 1/14/2020 11:00:00 AM



#94
 Hexachlorobutadiene
 Concen: 116.527 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	201285		
223	62.9	31.8	95.3	
227	64.3	32.1	96.5	





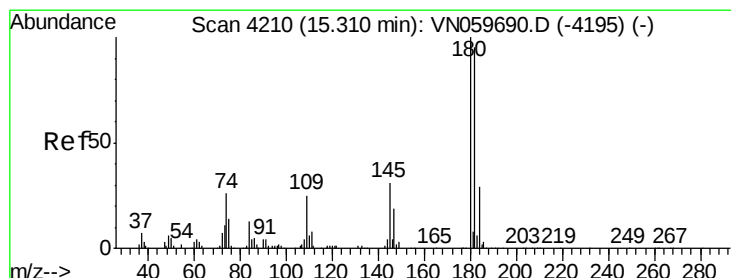
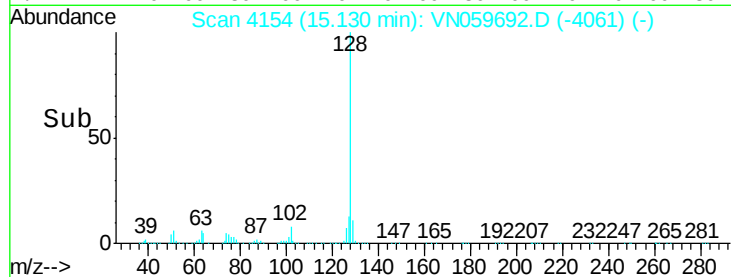
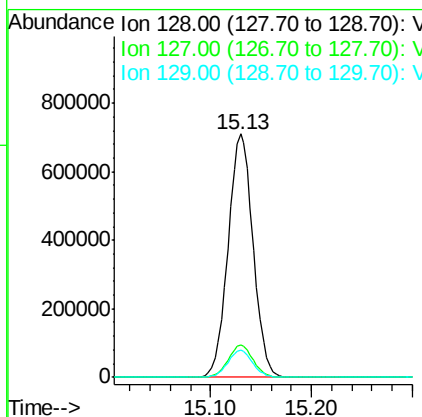
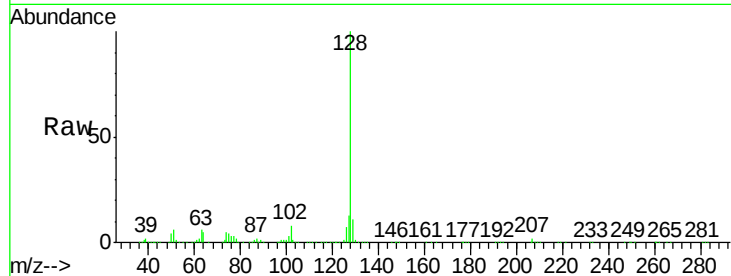
#95
Naphthalene
Concen: 127.056 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/14/2020 11:00:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 123.783 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	31.8	16.3	48.9

