

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011720\
 Data File : VN059749.D
 Acq On : 17 Jan 2020 9:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:11:56 AM

Quant Time: Jan 20 01:19:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	298979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	109215	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
35) Dibromofluoromethane	7.56	113	92432	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	10.08	98	352487	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	127719	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	120205	52.040	ug/l	99
3) Chloromethane	2.03	50	111990	49.908	ug/l	100
4) Vinyl Chloride	2.17	62	137522	53.564	ug/l	100
5) Bromomethane	2.53	94	83157	53.073	ug/l	100
6) Chloroethane	2.68	64	62534	51.483	ug/l	98
7) Trichlorofluoromethane	3.00	101	160686	52.114	ug/l	98
8) Diethyl Ether	3.38	74	56519	52.232	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93210	54.316	ug/l	91
10) Methyl Iodide	3.93	142	142396	51.335	ug/l	96
11) Tert butyl alcohol	4.73	59	89984	245.576	ug/l	98
12) 1,1-Dichloroethene	3.71	96	92570	51.624	ug/l	86
13) Acrolein	3.57	56	61241	236.104	ug/l	96
14) Allyl chloride	4.29	41	124003	51.305	ug/l #	89
15) Acrylonitrile	4.94	53	214083	256.131	ug/l	99
16) Acetone	3.78	43	188687	254.339	ug/l	98
17) Carbon Disulfide	4.03	76	254589	49.840	ug/l	99
18) Methyl Acetate	4.28	43	125965	49.545	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	305946	52.329	ug/l	94
20) Methylene Chloride	4.52	84	100904	51.273	ug/l	87
21) trans-1,2-Dichloroethene	5.00	96	98603	51.730	ug/l	89
22) Diisopropyl ether	5.91	45	278573	50.859	ug/l #	96
23) Vinyl Acetate	5.86	43	1048303	247.195	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	171156	51.140	ug/l	98
25) 2-Butanone	6.80	43	299930	243.331	ug/l	91
26) 2,2-Dichloropropane	6.79	77	163814	50.913	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	113684	51.854	ug/l	87
28) Bromochloromethane	7.17	49	67355	50.353	ug/l #	75
29) Tetrahydrofuran	7.18	42	181490	237.978	ug/l	87
30) Chloroform	7.35	83	180795	52.137	ug/l	99
31) Cyclohexane	7.63	56	153258	47.589	ug/l	88
32) 1,1,1-Trichloroethane	7.54	97	166317	51.873	ug/l	95
36) 1,1-Dichloropropene	7.77	75	134864	51.799	ug/l	95
37) Ethyl Acetate	6.89	43	114608	46.933	ug/l #	95
38) Carbon Tetrachloride	7.75	117	149560	52.807	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	169141	52.686	ug/l	92
40) Benzene	8.02	78	399824	51.491	ug/l	100
41) Methacrylonitrile	7.15	41	57350m	47.680	ug/l	
42) 1,2-Dichloroethane	8.10	62	137882	52.372	ug/l	96
43) Isopropyl Acetate	8.14	43	208674	49.681	ug/l #	95
44) Trichloroethene	8.82	130	118152	55.739	ug/l	94
45) 1,2-Dichloropropane	9.10	63	100788	52.454	ug/l	99
46) Dibromomethane	9.19	93	72419	53.430	ug/l	91
47) Bromodichloromethane	9.38	83	146541	53.652	ug/l	99
48) Methyl methacrylate	9.18	41	93679	49.862	ug/l	91
49) 1,4-Dioxane	9.18	88	37658	1094.912	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	594926	245.022	ug/l	94
52) Toluene	10.14	92	260727	53.159	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	164480	53.932	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	173824	54.169	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	102703	52.870	ug/l	98
56) Ethyl methacrylate	10.42	69	153282	51.641	ug/l	90
57) 1,3-Dichloropropane	10.70	76	166054	53.843	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	262849	294.003	ug/l	90
59) 2-Hexanone	10.74	43	471641	263.670	ug/l	94
60) Dibromochloromethane	10.89	129	121392	54.877	ug/l	99
61) 1,2-Dibromoethane	11.00	107	109588	53.825	ug/l	99
64) Tetrachloroethene	10.62	164	117978	53.192	ug/l	95
65) Chlorobenzene	11.43	112	284006	53.095	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	111991	54.184	ug/l	99
67) Ethyl Benzene	11.50	91	508223	52.339	ug/l	97
68) m/p-Xylenes	11.61	106	392647	107.048	ug/l	93
69) o-Xylene	11.94	106	189620	52.805	ug/l	93
70) Styrene	11.96	104	318789	53.053	ug/l	97
71) Bromoform	12.12	173	92314	55.759	ug/l #	99
73) Isopropylbenzene	12.24	105	510055	51.539	ug/l	99
74) N-amyl acetate	12.06	43	183415	47.763	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	139769	48.717	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125528m	55.277	ug/l	
77) Bromobenzene	12.52	156	130953	52.253	ug/l	80
78) n-propylbenzene	12.59	91	578169	52.051	ug/l	97
79) 2-Chlorotoluene	12.67	91	335045	50.703	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	430033	51.669	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	52668	49.806	ug/l	94
82) 4-Chlorotoluene	12.77	91	344639	51.998	ug/l	95
83) tert-Butylbenzene	12.99	119	368256	51.159	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	429778	52.196	ug/l	98
85) sec-Butylbenzene	13.17	105	491576	51.978	ug/l	98
86) p-Isopropyltoluene	13.28	119	459273	52.483	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	235229	54.034	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	233034	53.659	ug/l	97
89) n-Butylbenzene	13.61	91	403475	54.075	ug/l	98
90) Hexachloroethane	13.87	117	86348	52.738	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	227945	52.964	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31254	50.787	ug/l	80

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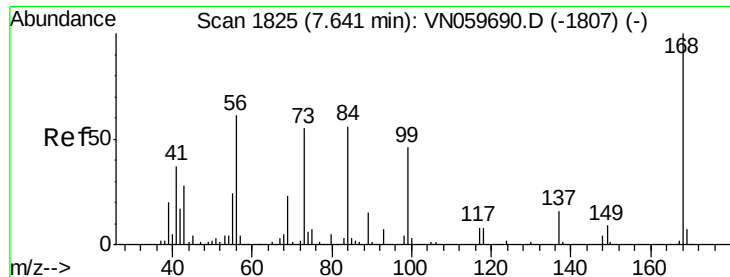
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	151297	58.505	ug/l	99
94) Hexachlorobutadiene	15.01	225	78219	54.888	ug/l	100
95) Naphthalene	15.13	128	391876	53.275	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140681	55.889	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 195998

Ion Ratio Lower Upper

168 100

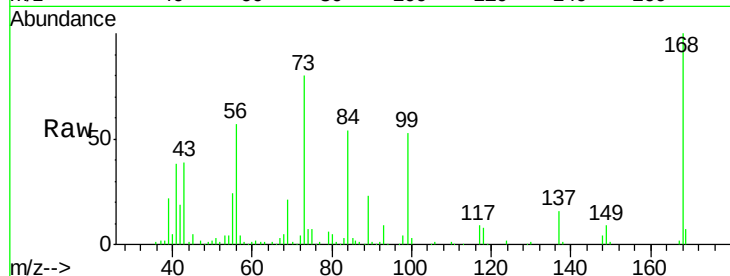
99 52.6 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

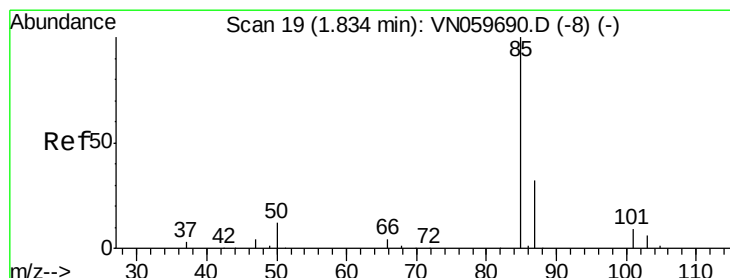
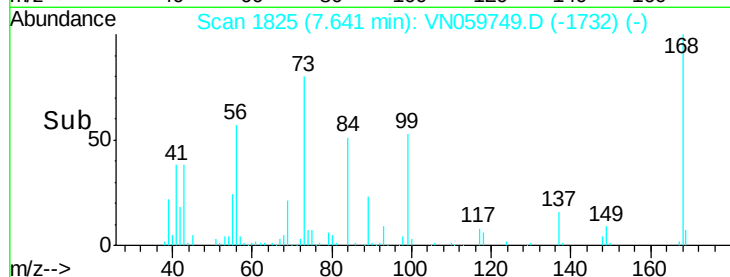
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.040 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059749.D

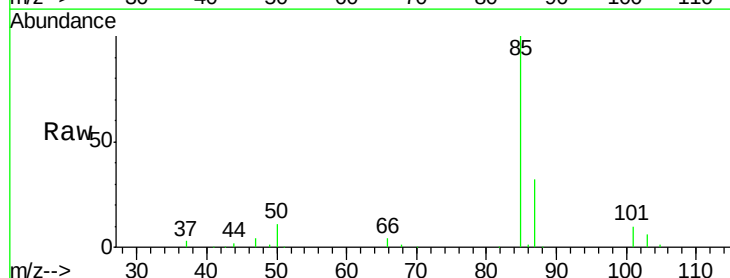
Acq: 17 Jan 2020 9:50

Tgt Ion: 85 Resp: 120205

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

0

1.75

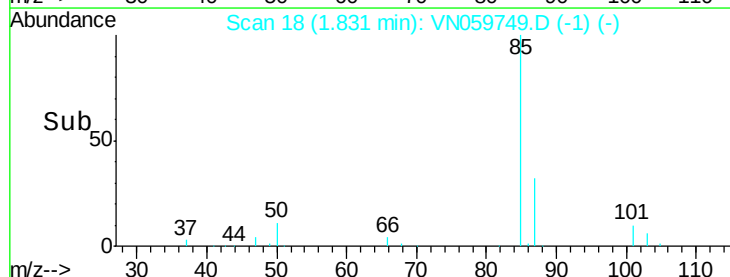
1.80

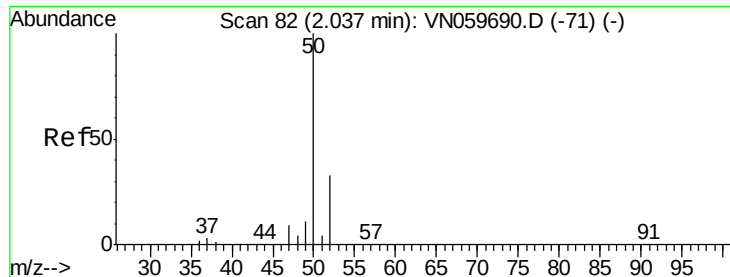
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 49.908 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 111990

Ion Ratio Lower Upper

50 100

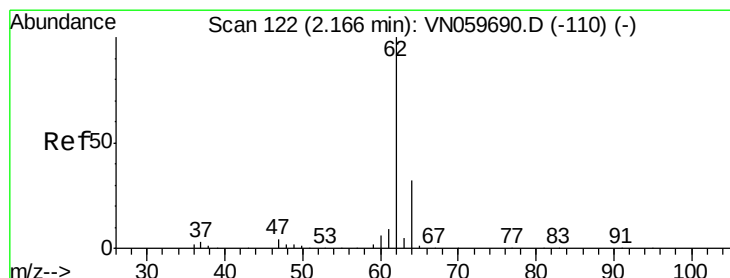
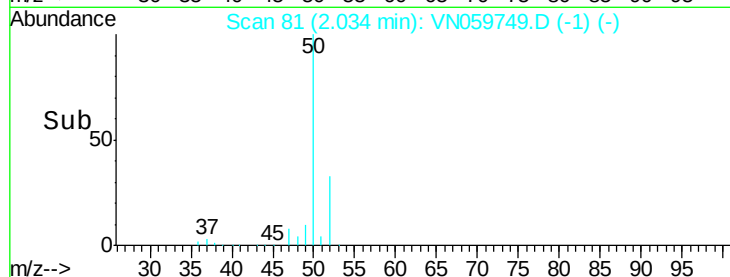
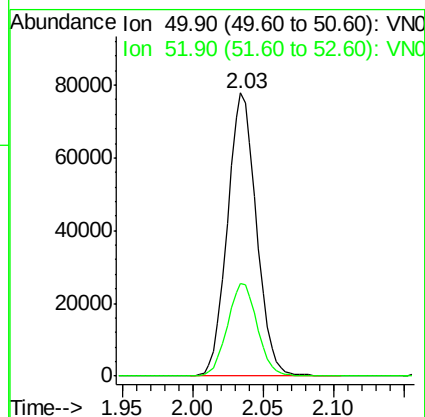
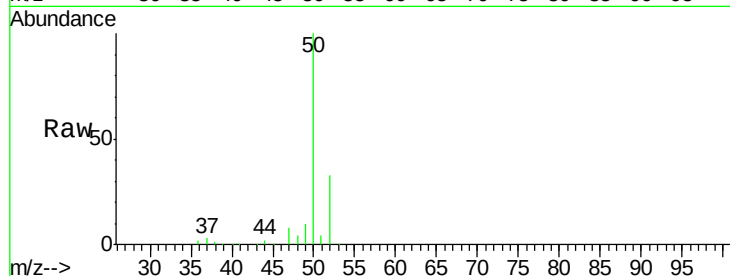
52 32.5 25.9 38.9

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#4

Vinyl Chloride

Concen: 53.564 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059749.D

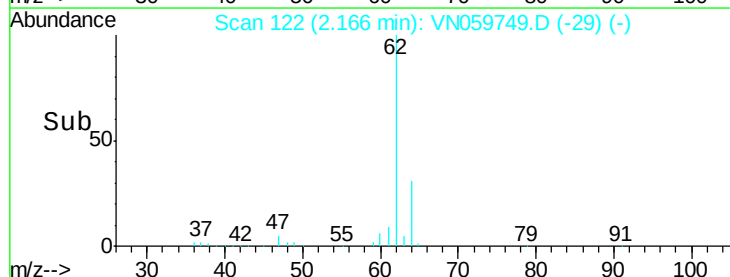
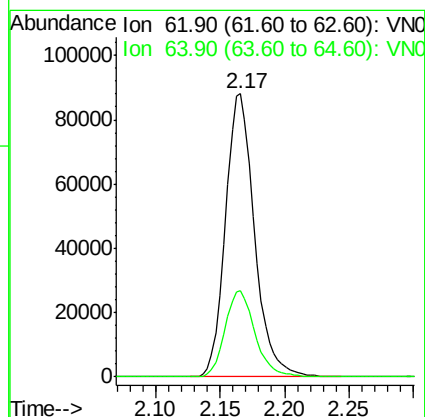
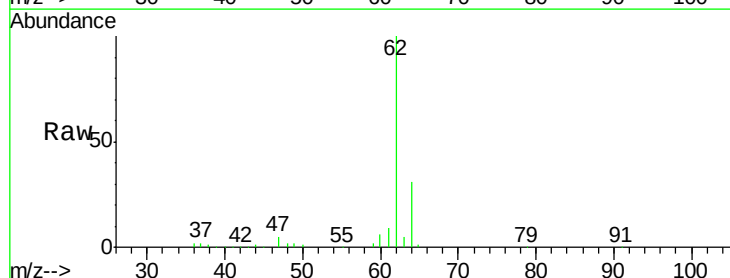
Acq: 17 Jan 2020 9:50

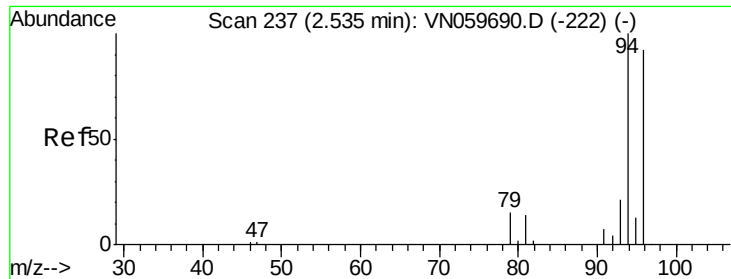
Tgt Ion: 62 Resp: 137522

Ion Ratio Lower Upper

62 100

64 30.7 24.6 37.0





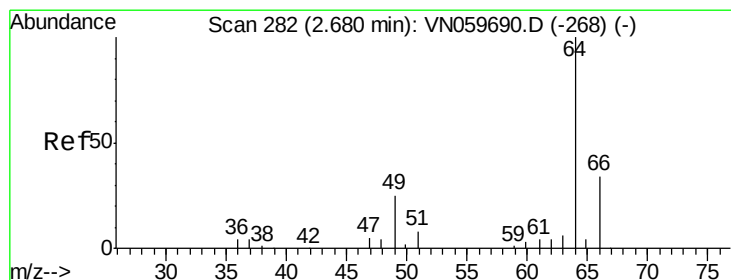
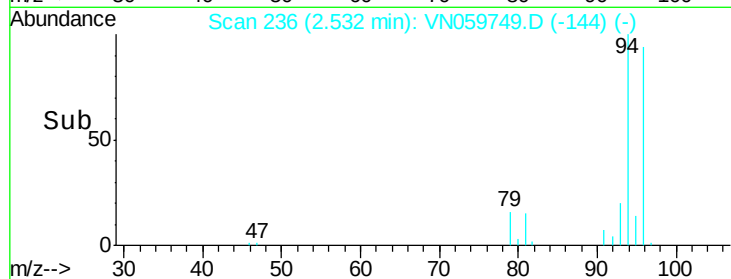
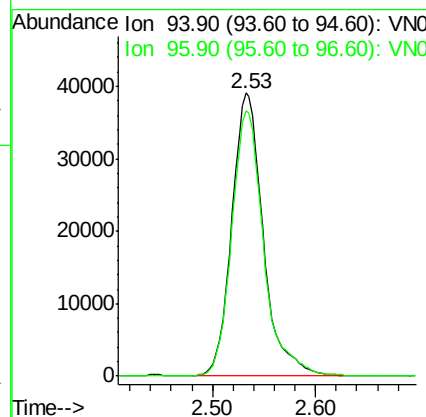
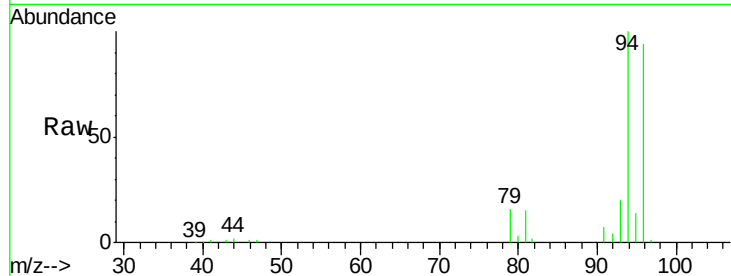
#5
Bromomethane
Concen: 53.073 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 83157
Ion Ratio Lower Upper
94 100
96 93.8 74.7 112.1

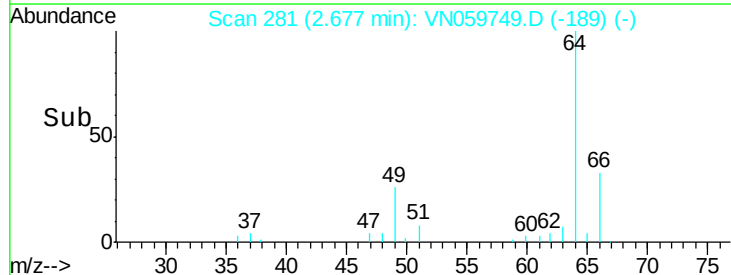
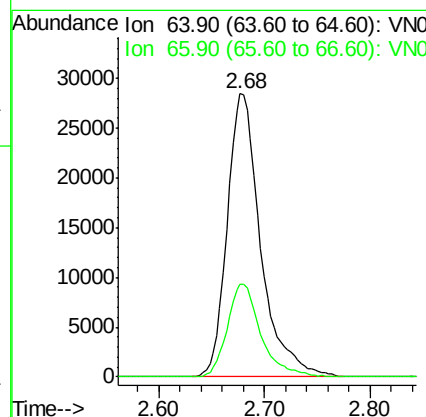
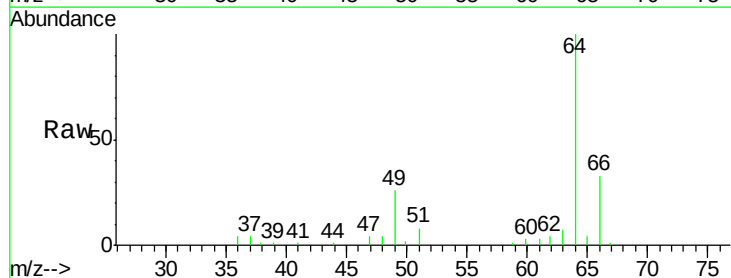
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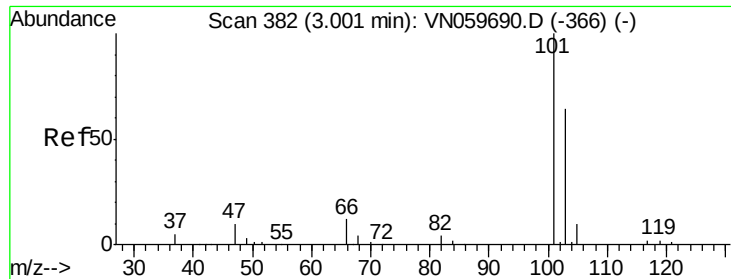
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#6
Chloroethane
Concen: 51.483 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion: 64 Resp: 62534
Ion Ratio Lower Upper
64 100
66 32.7 25.1 37.7





#7

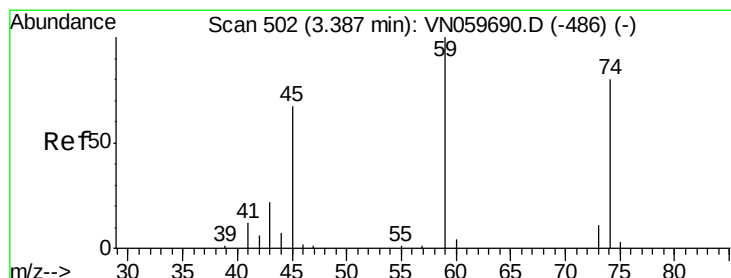
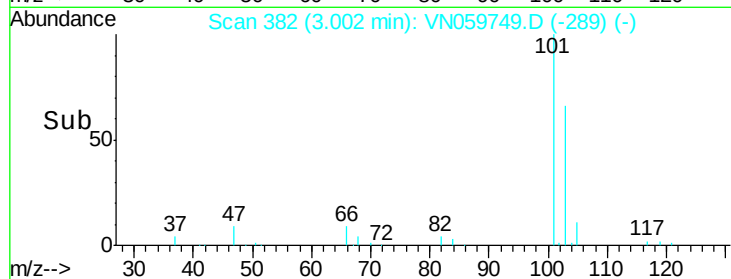
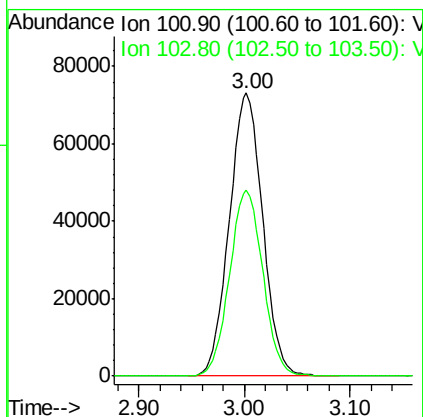
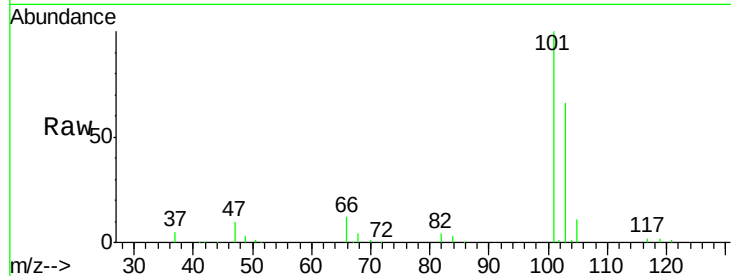
Trichlorofluoromethane
Concen: 52.114 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		160686		
103	65.6	51.0	76.6		

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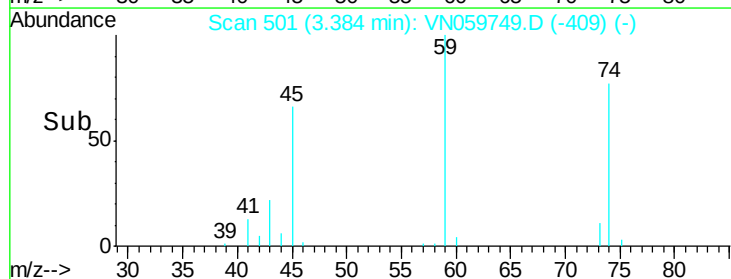
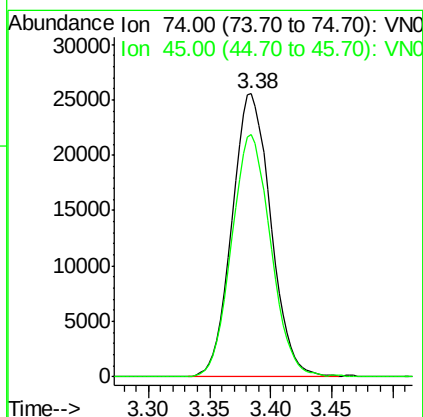
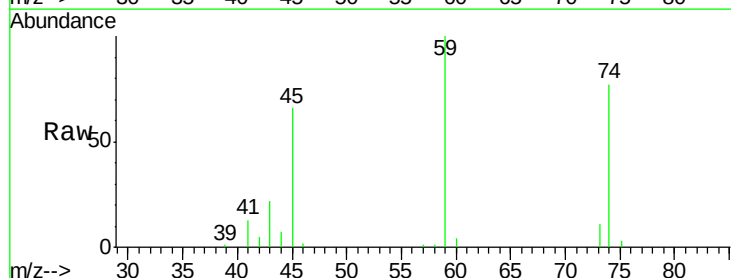
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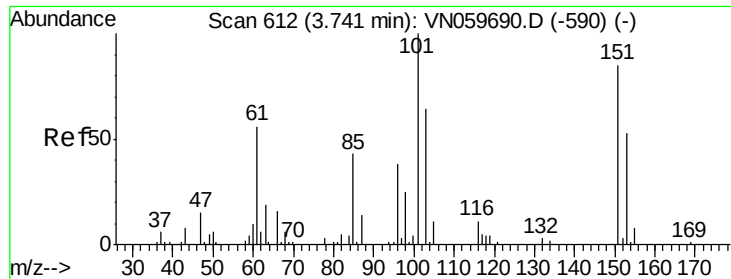


#8

Diethyl Ether
Concen: 52.232 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		56519		
45	85.9	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.316 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

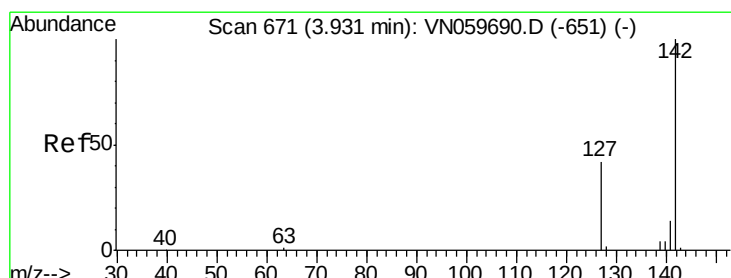
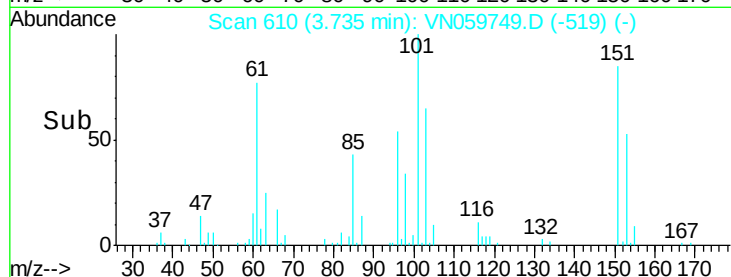
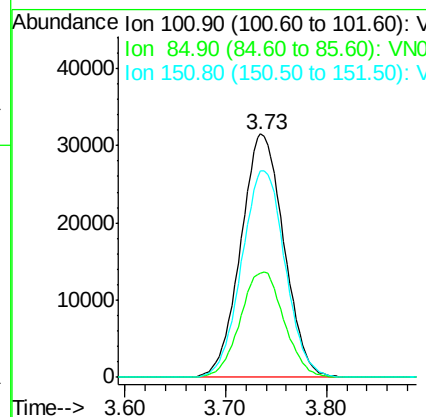
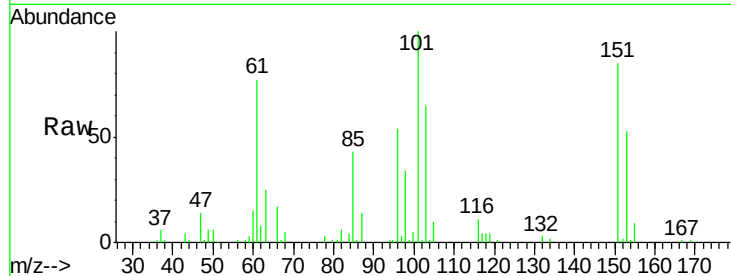
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	93210
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.6	54.8
151	85.8	59.7	89.5

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#10

Methyl Iodide

Concen: 51.335 ug/l

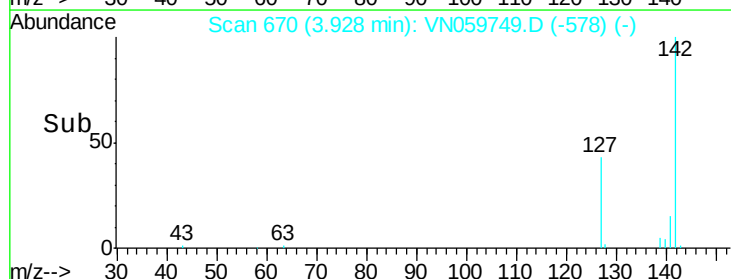
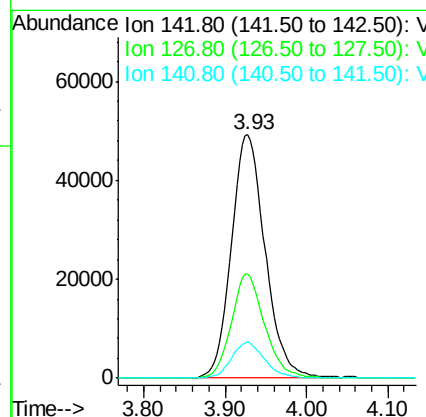
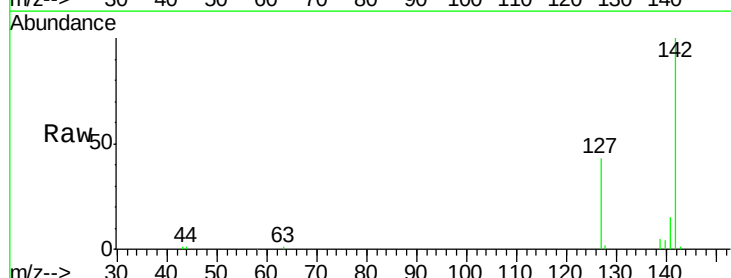
RT: 3.93 min Scan# 670

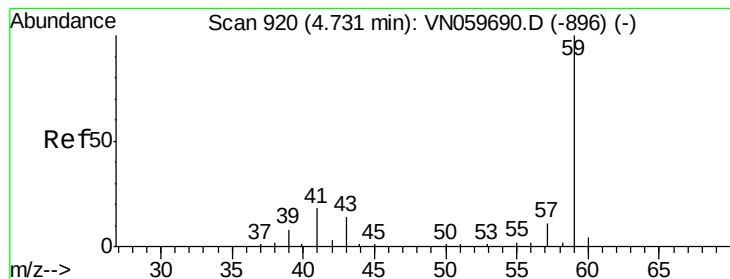
Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion:	142	Resp:	142396
Ion Ratio	Lower	Upper	
142	100		
127	42.1	36.7	55.1
141	14.5	11.7	17.5





#11

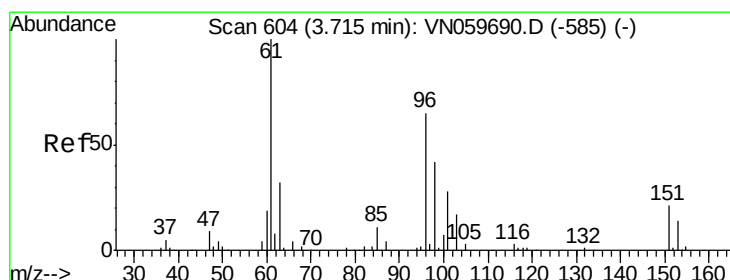
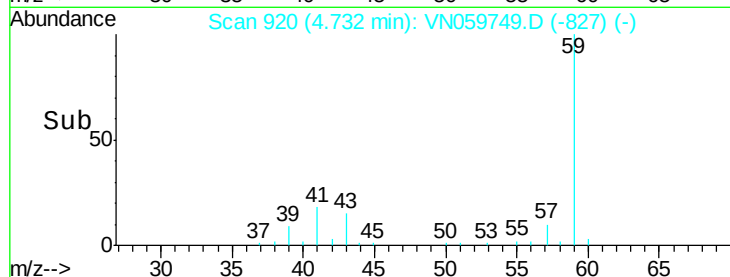
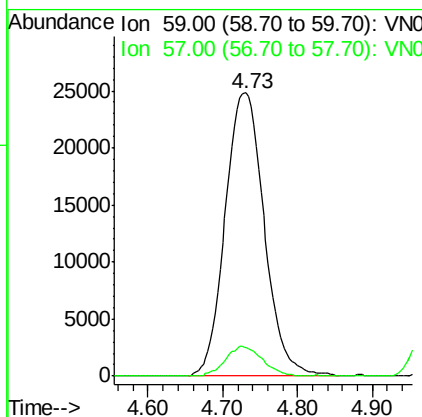
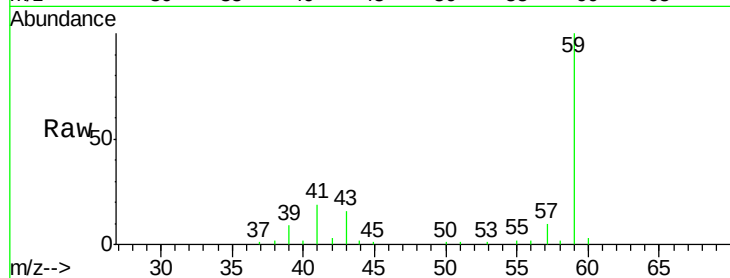
Tert butyl alcohol
Concen: 245.576 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	89984		
57	9.9		8.6	12.8

Manual Integrations
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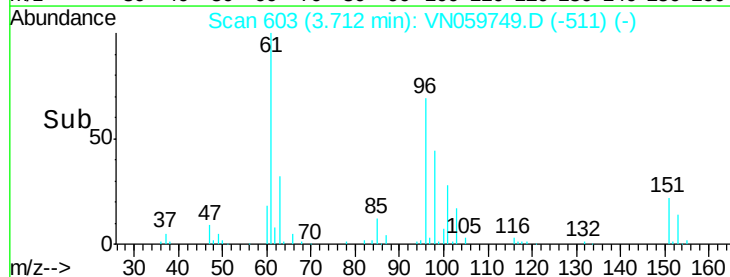
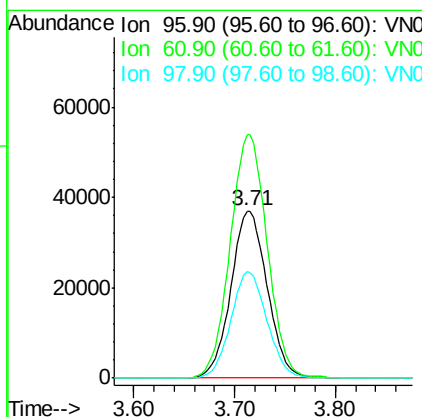
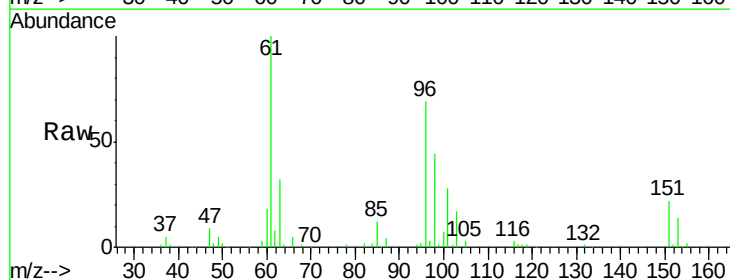
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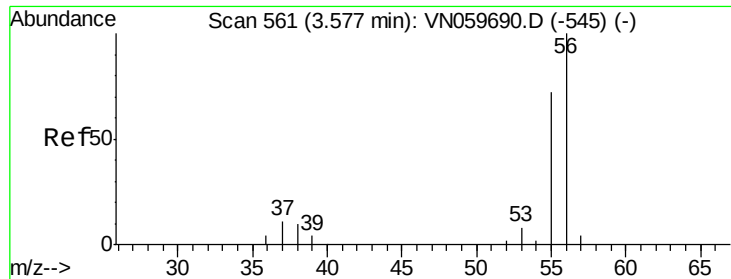


#12

1,1-Dichloroethene
Concen: 51.624 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	92570		
61	145.6		137.5	206.3
98	64.0		50.2	75.4





#13

Acrolein

Concen: 236.104 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 61241

Ion Ratio Lower Upper

56 100

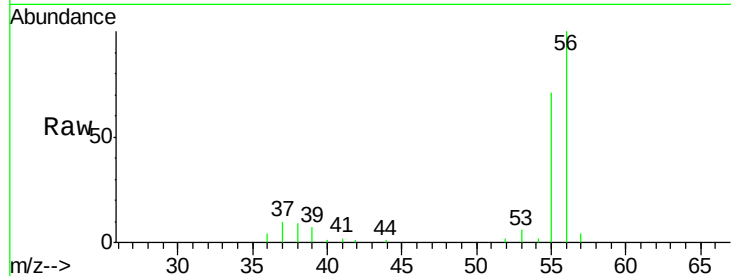
55 70.3 58.6 88.0

Manual Integrations

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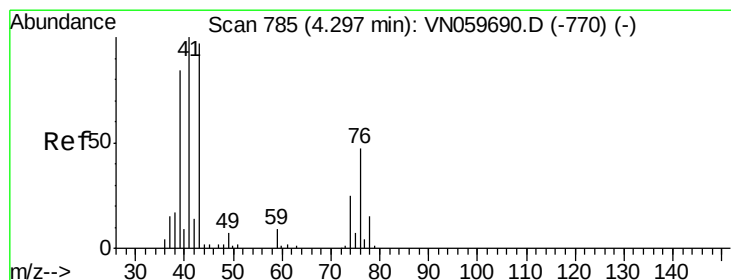
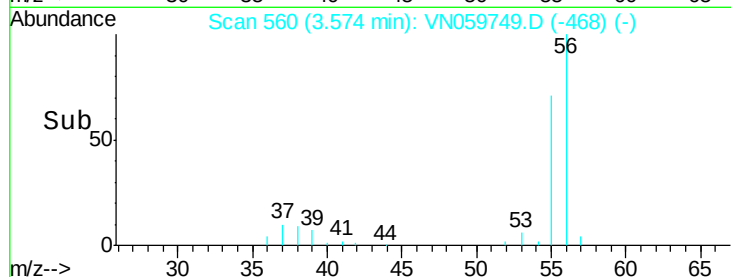
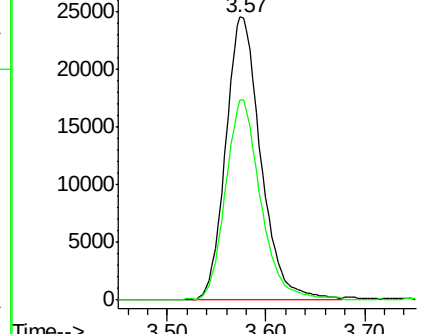
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.305 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

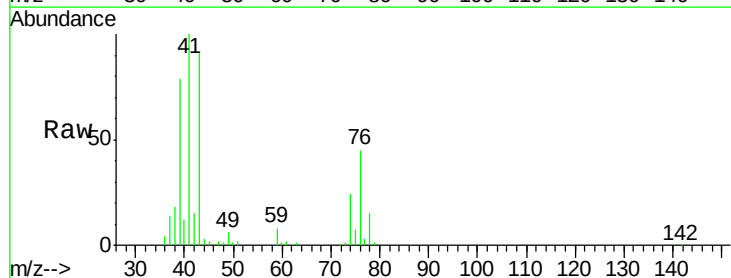
Tgt Ion: 41 Resp: 124003

Ion Ratio Lower Upper

41 100

39 77.8 57.8 86.8

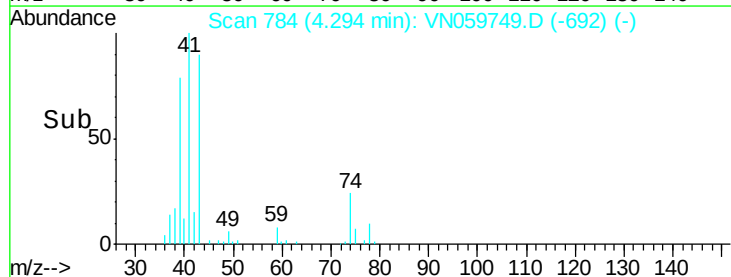
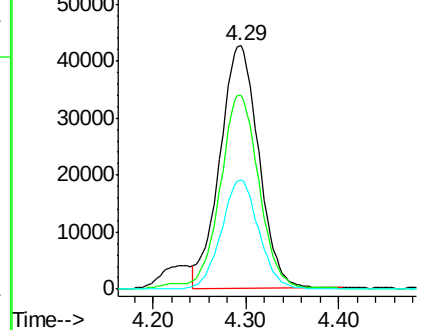
76 43.2 25.4 38.0#

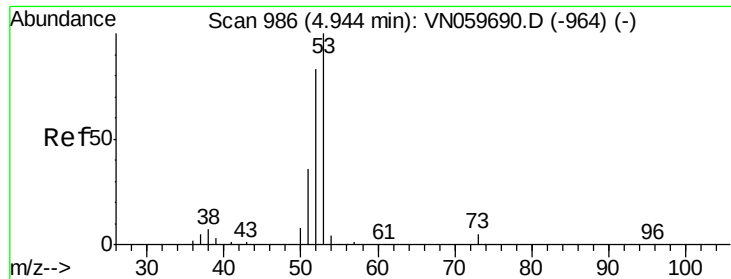


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 256.131 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

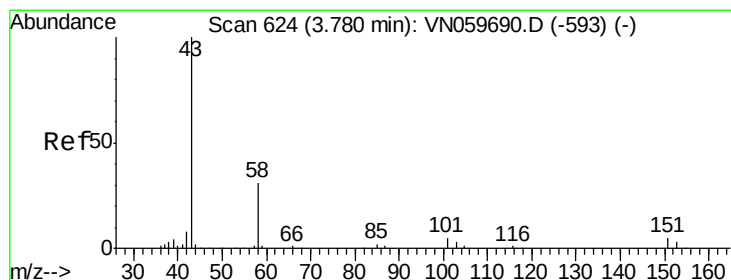
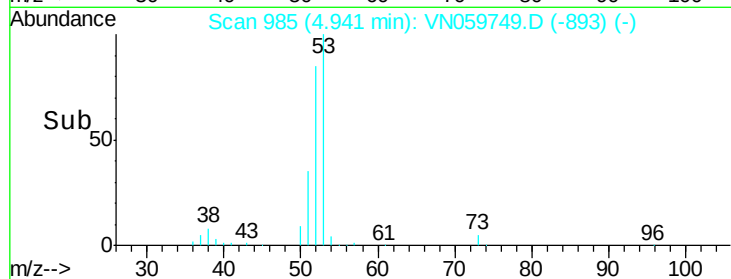
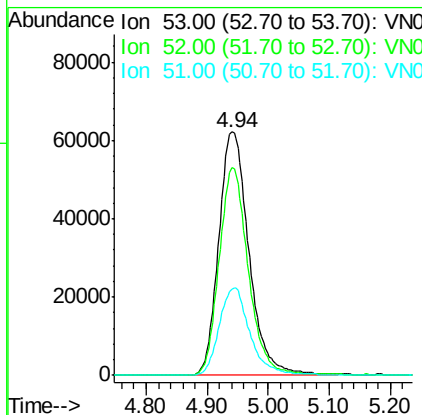
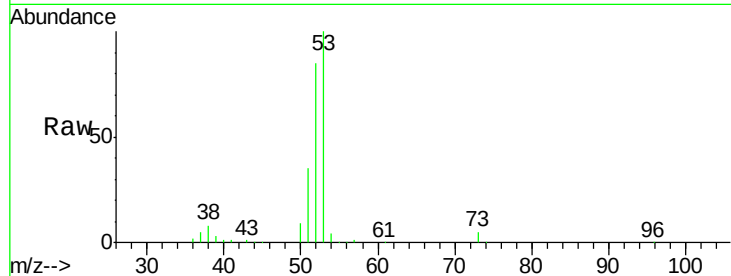
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	214083
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.3	99.5
51	36.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 254.339 ug/l

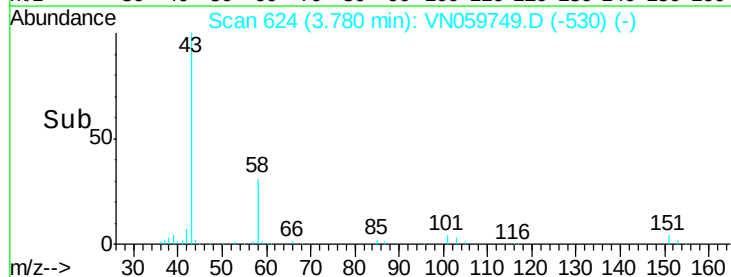
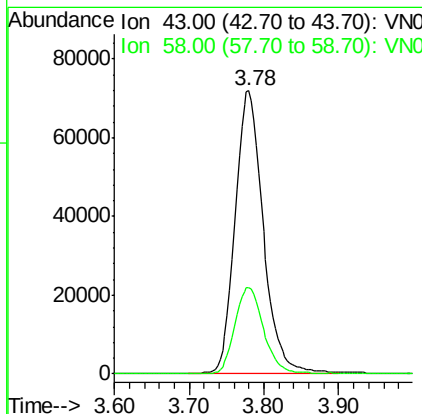
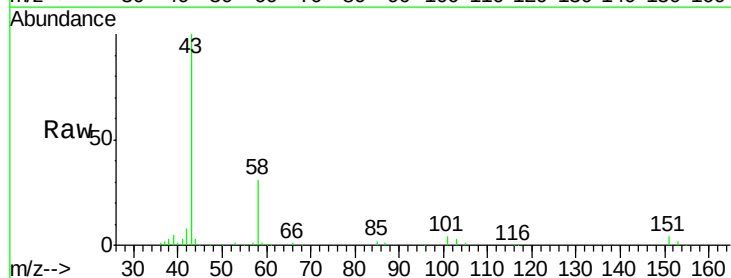
RT: 3.78 min Scan# 624

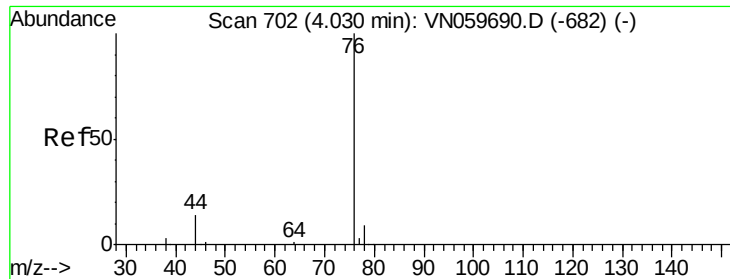
Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion:	43	Resp:	188687
Ion Ratio	Lower	Upper	
43	100		
58	30.7	23.6	35.4





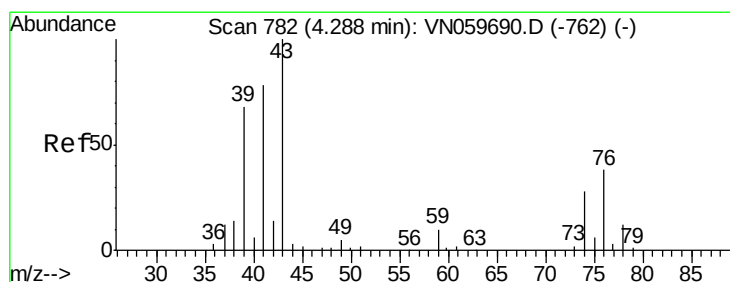
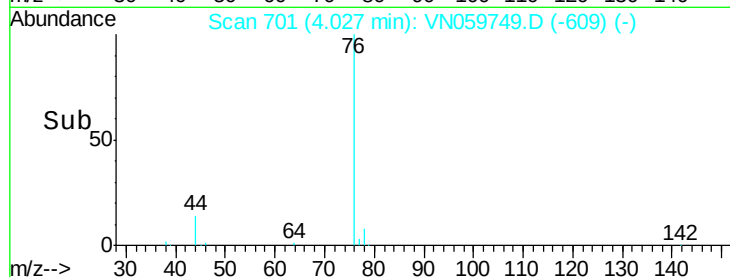
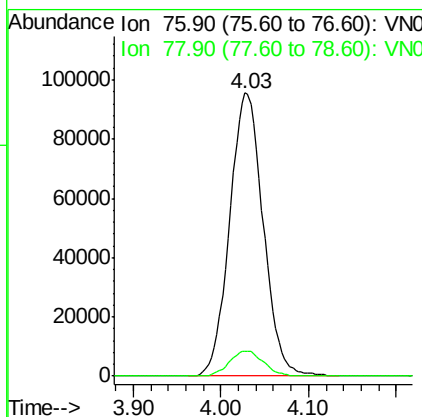
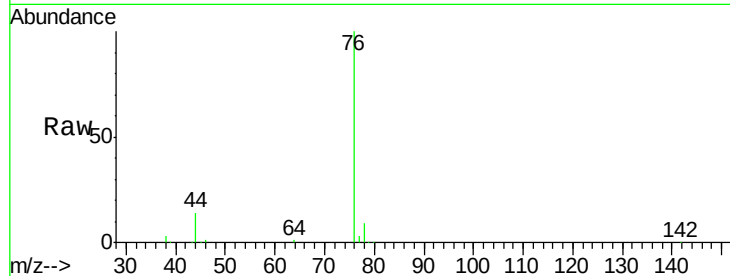
#17
Carbon Disulfide
Concen: 49.840 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

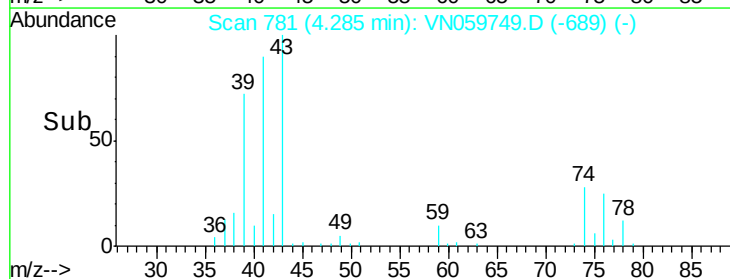
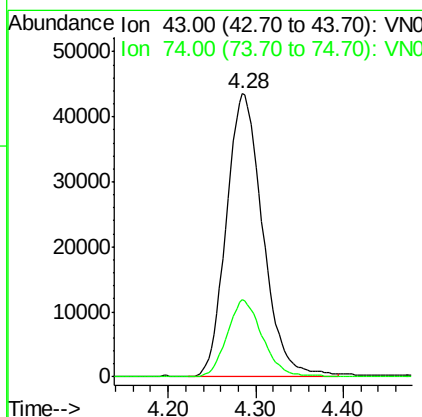
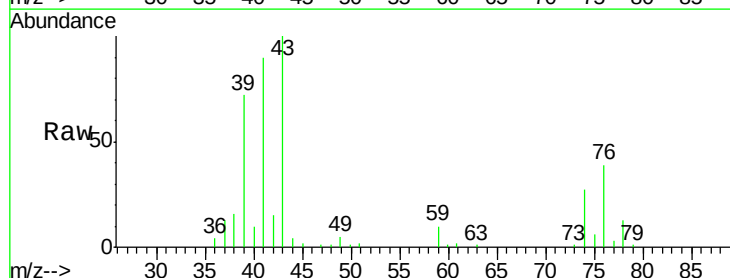
Manual Integrations
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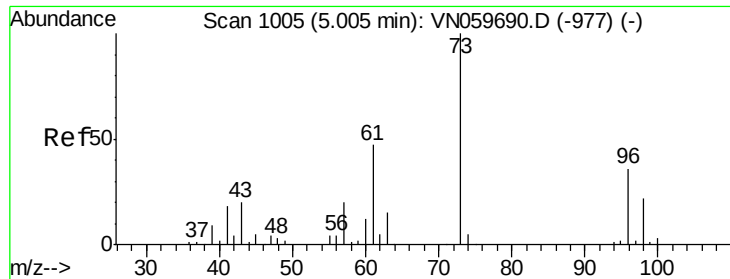
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#18
Methyl Acetate
Concen: 49.545 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	17.5	26.3





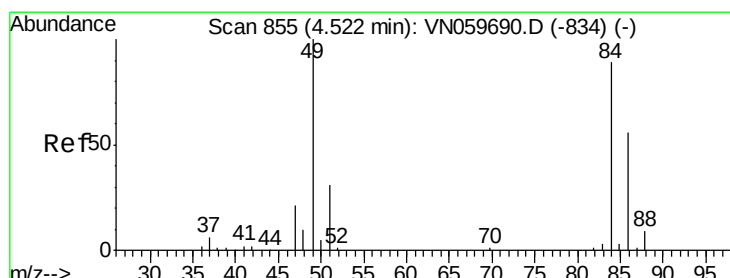
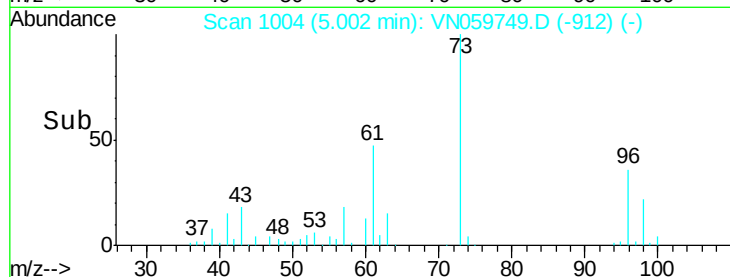
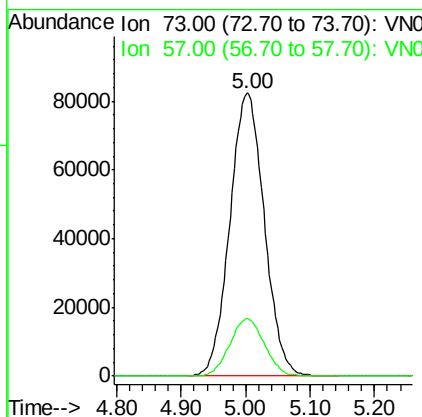
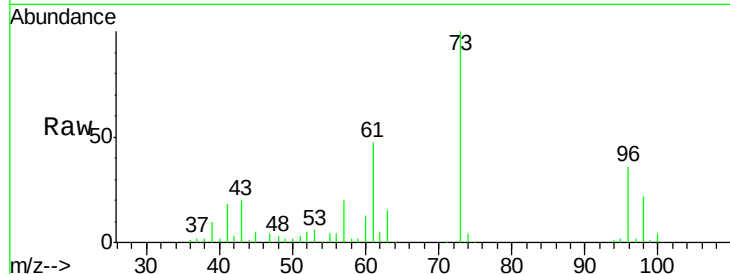
#19
Methyl tert-butyl Ether
Concen: 52.329 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 305946
Ion Ratio Lower Upper
73 100
57 20.4 18.6 27.8

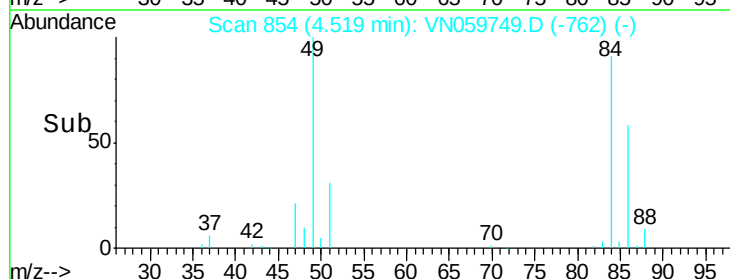
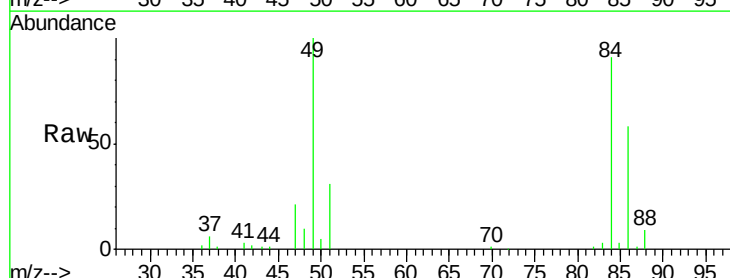
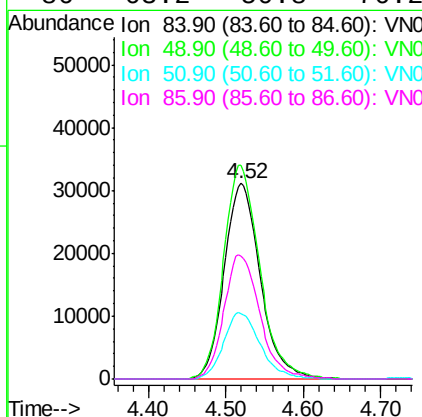
Manual Integrations
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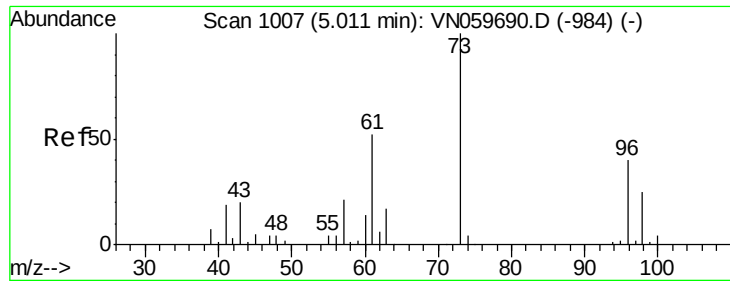
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#20
Methylene Chloride
Concen: 51.273 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion: 84 Resp: 100904
Ion Ratio Lower Upper
84 100
49 109.4 106.6 160.0
51 33.5 31.9 47.9
86 63.2 50.8 76.2





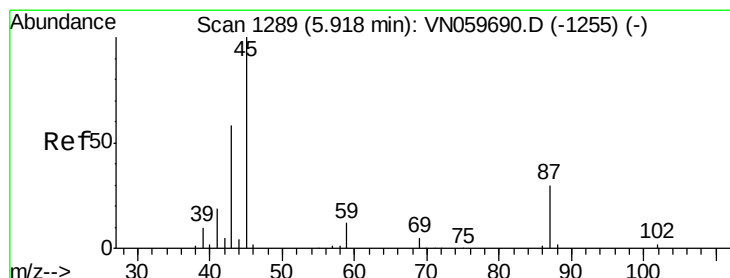
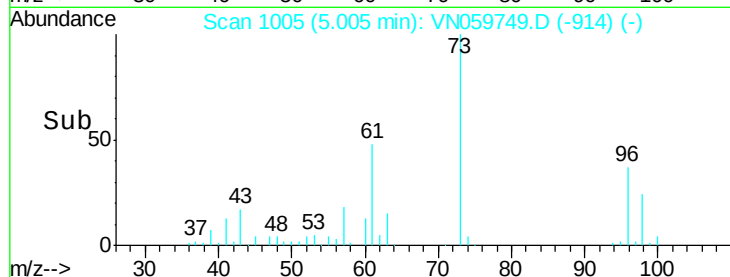
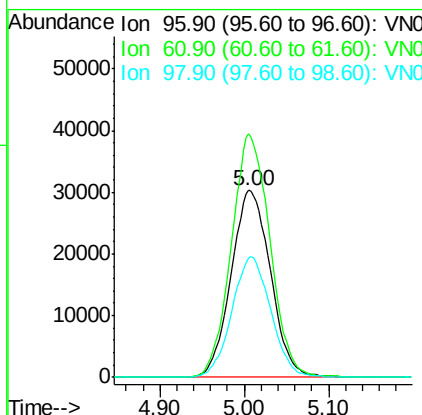
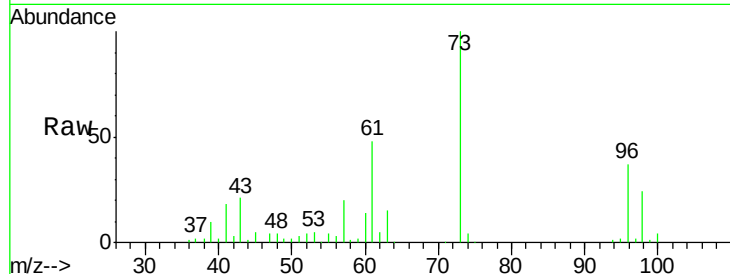
#21
trans-1,2-Dichloroethene
Concen: 51.730 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	120.4	180.6
98	63.6	50.6	75.8

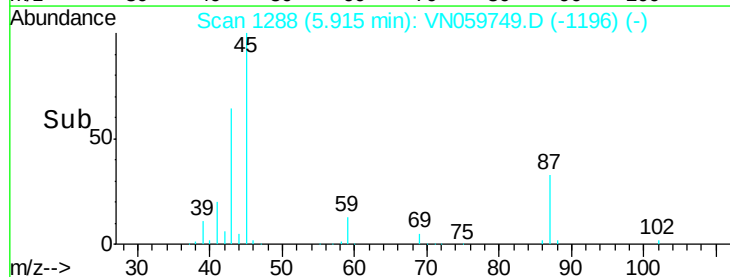
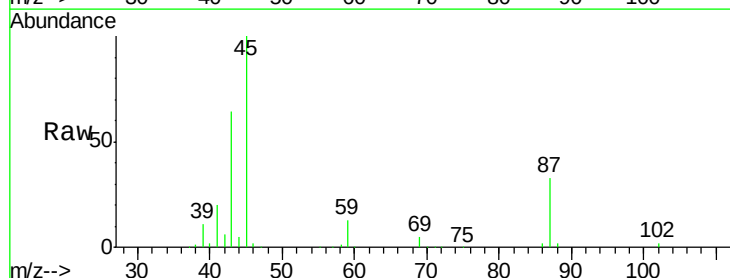
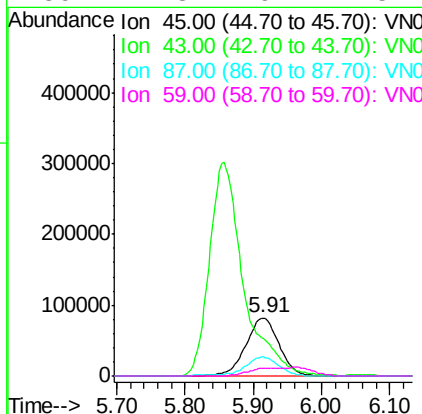
Manual Integrations
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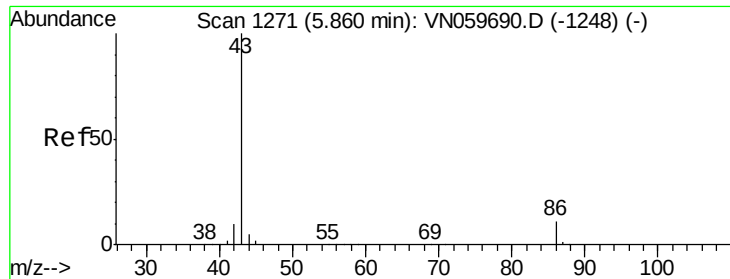
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#22
Diisopropyl ether
Concen: 50.859 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	50.8	76.2
87	32.6	21.0	31.6
59	12.8	9.1	13.7





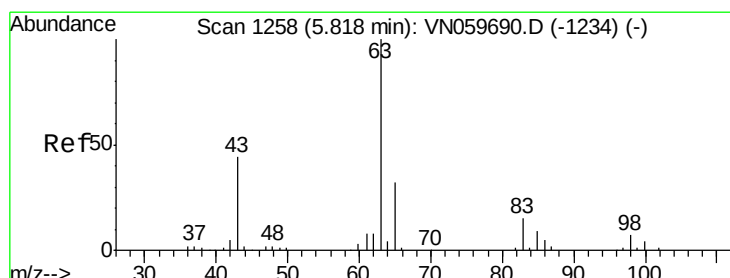
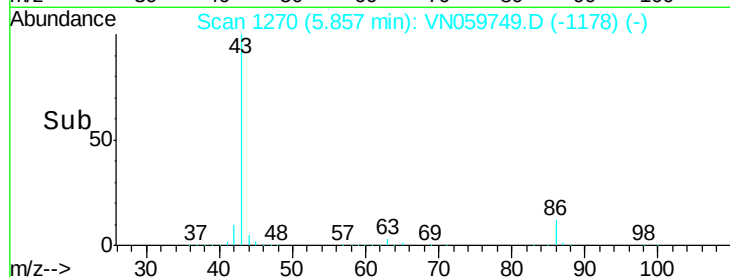
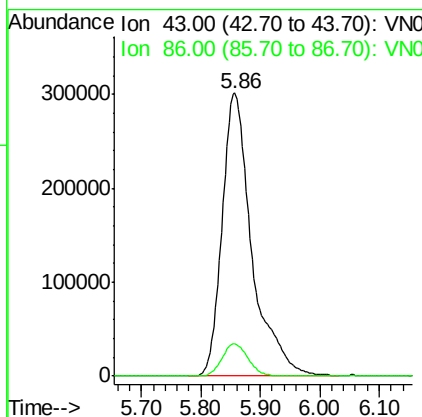
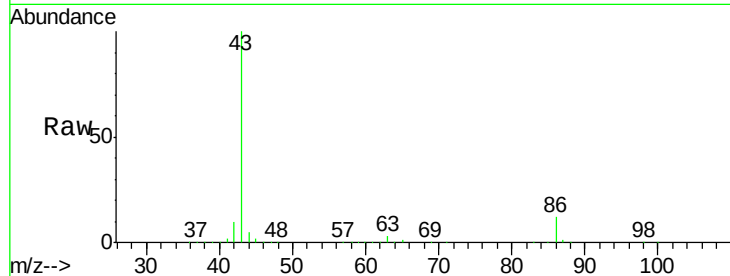
#23
 Vinyl Acetate
 Concen: 247.195 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1048303
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.6 11.4#

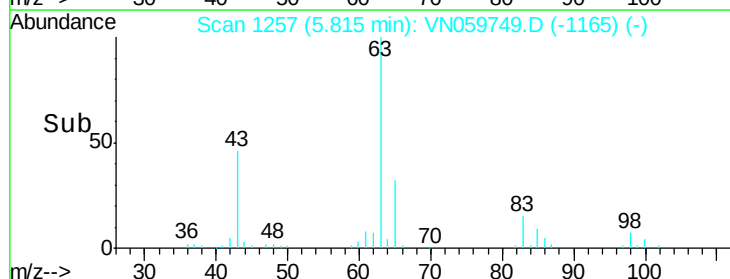
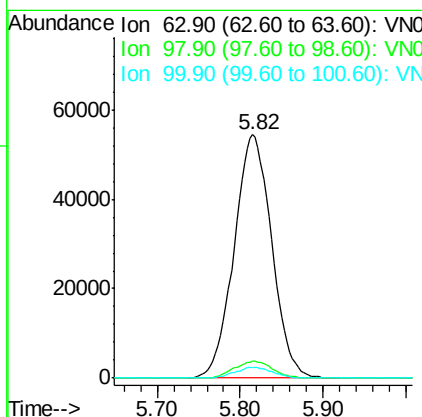
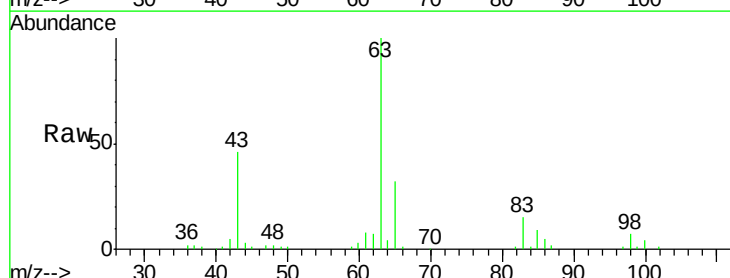
Manual Integrations
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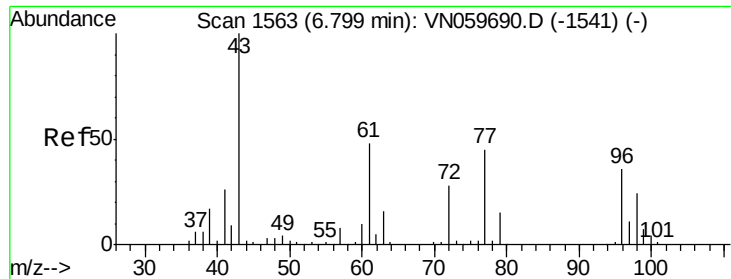
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#24
 1,1-Dichloroethane
 Concen: 51.140 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion: 63 Resp: 171156
 Ion Ratio Lower Upper
 63 100
 98 6.8 2.9 8.7
 100 4.3 2.0 6.0





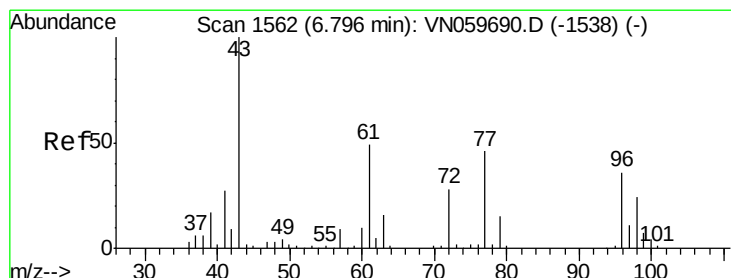
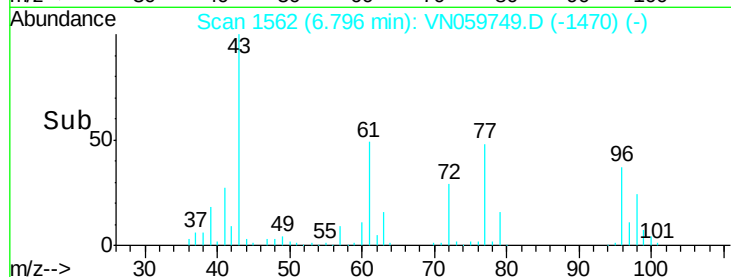
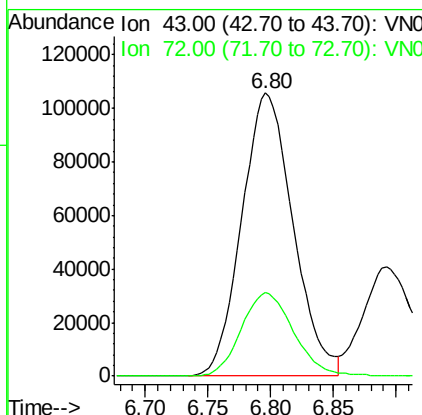
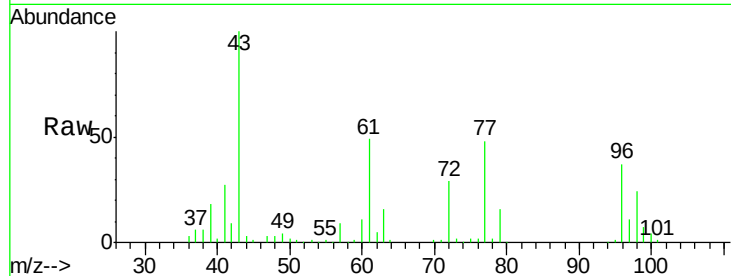
#25
 2-Butanone
 Concen: 243.331 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 299930
 Ion Ratio Lower Upper
 43 100
 72 29.4 19.9 29.9

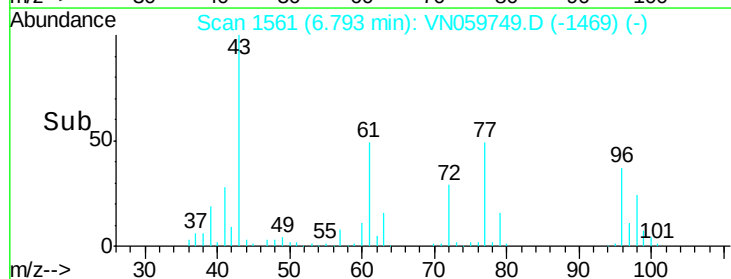
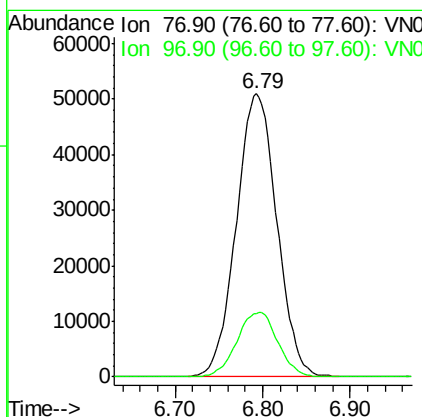
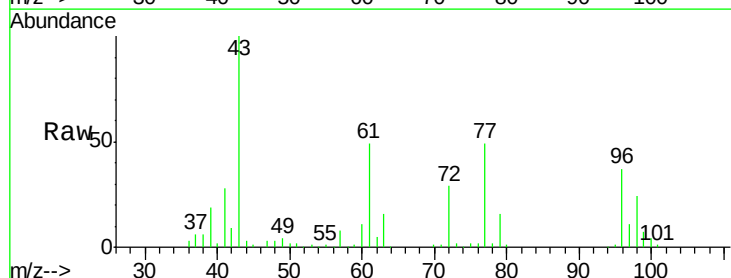
Manual Integrations
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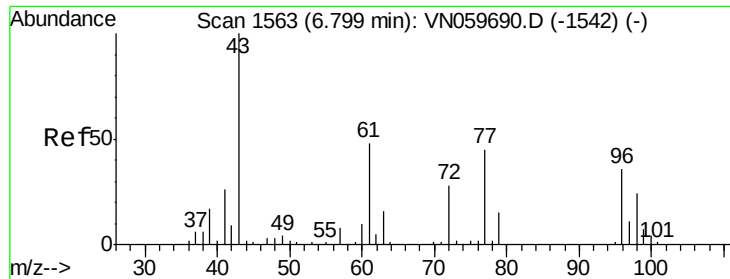
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#26
 2,2-Dichloropropane
 Concen: 50.913 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion: 77 Resp: 163814
 Ion Ratio Lower Upper
 77 100
 97 22.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 51.854 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

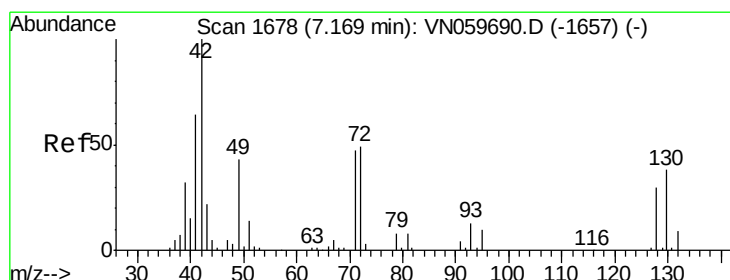
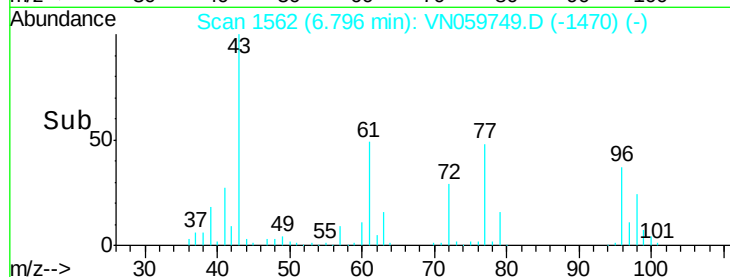
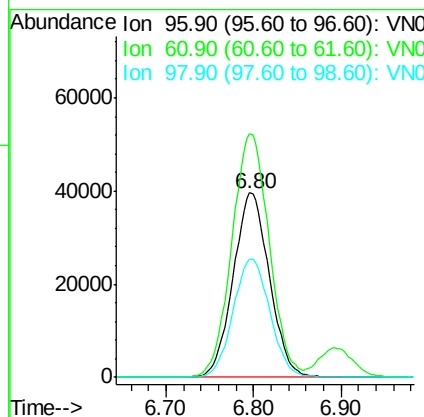
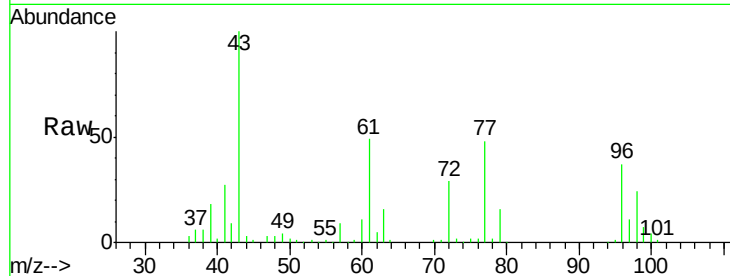
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	113684
Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	317.6
98	65.3	0.0	127.0

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#28

Bromochloromethane

Concen: 50.353 ug/l

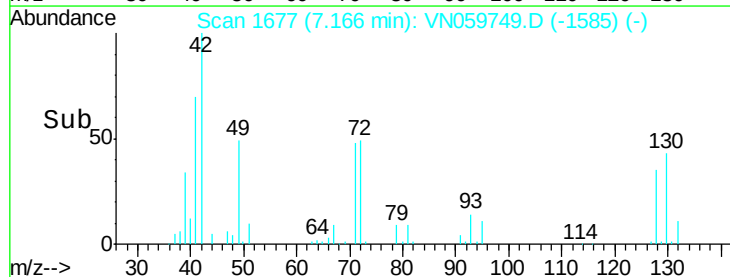
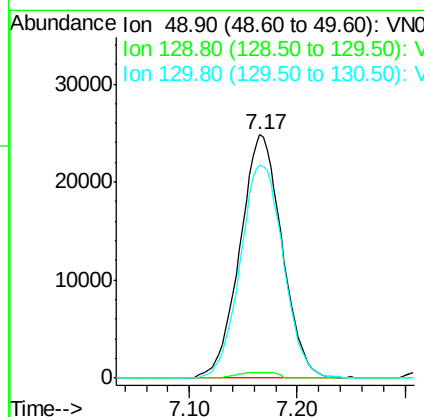
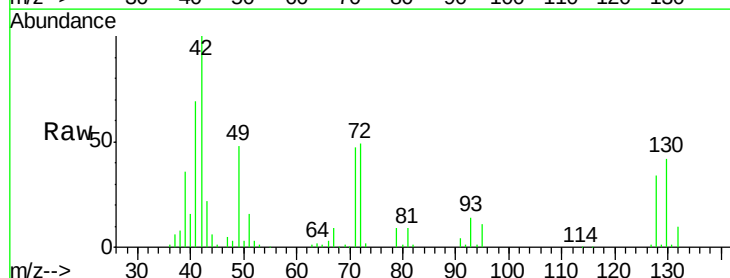
RT: 7.17 min Scan# 1677

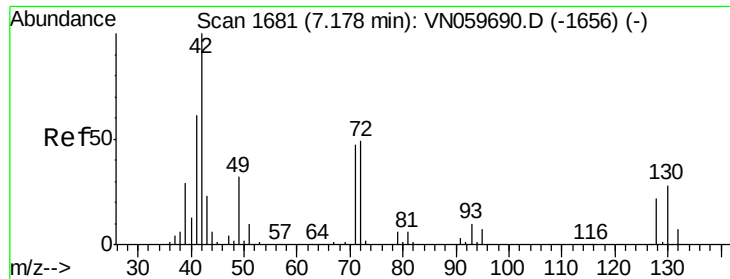
Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion:	49	Resp:	67355
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	89.5	54.7	82.1#





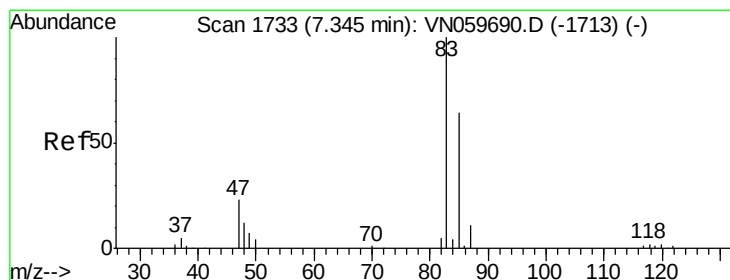
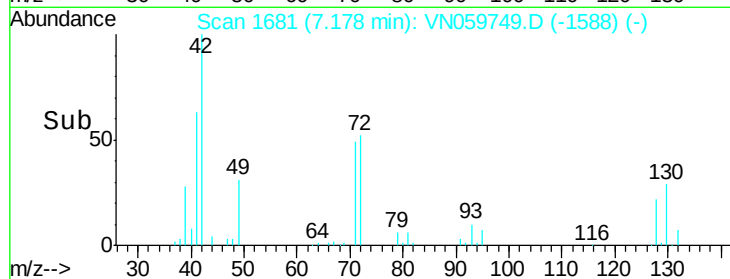
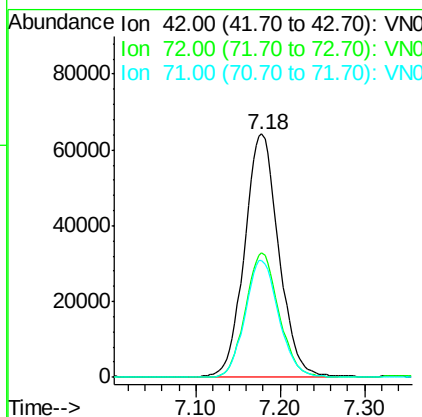
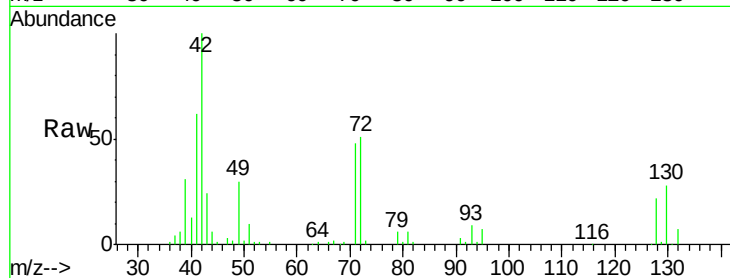
#29
Tetrahydrofuran
Concen: 237.978 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	33.1	49.7
71	47.0	31.4	47.0

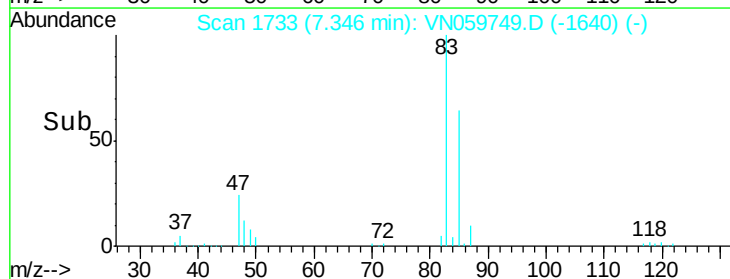
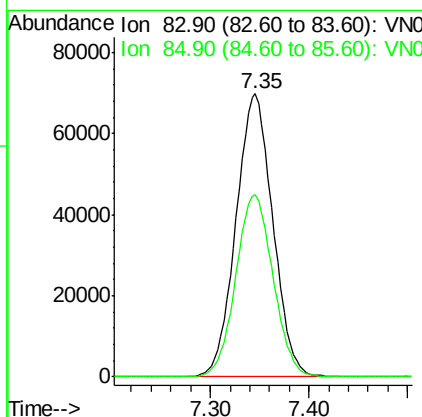
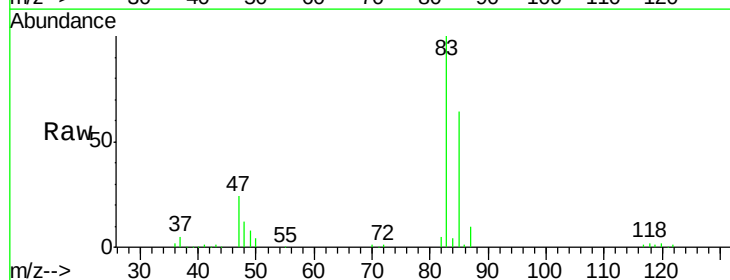
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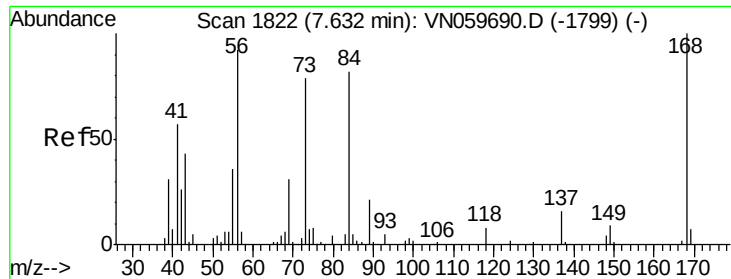
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#30
Chloroform
Concen: 52.137 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6





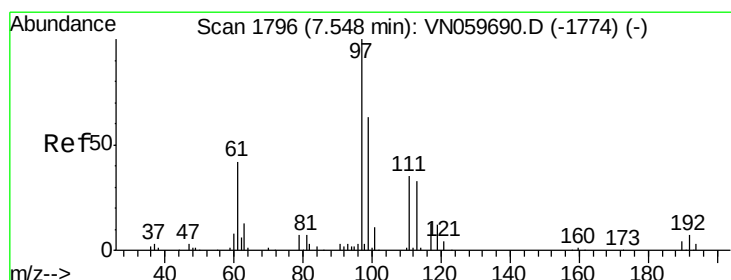
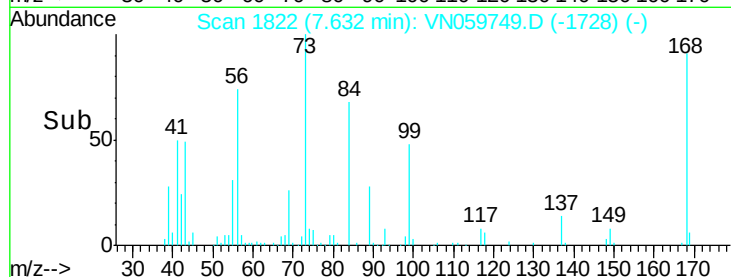
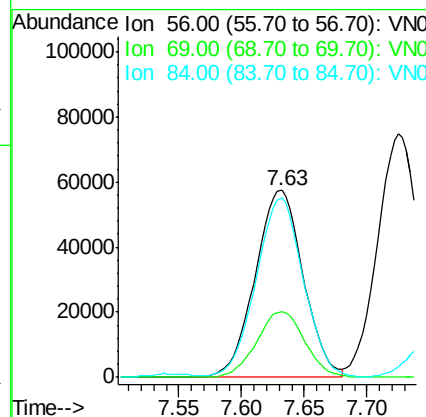
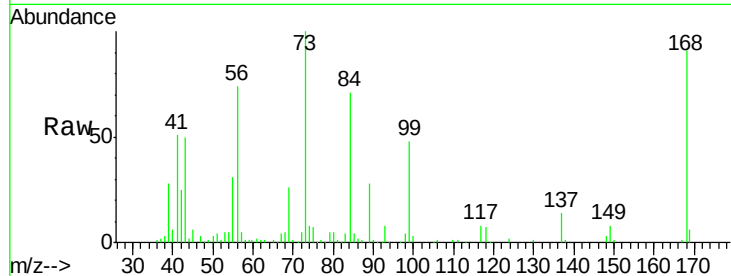
#31
Cyclohexane
Concen: 47.589 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	26.5	39.7
84	95.0	65.3	97.9

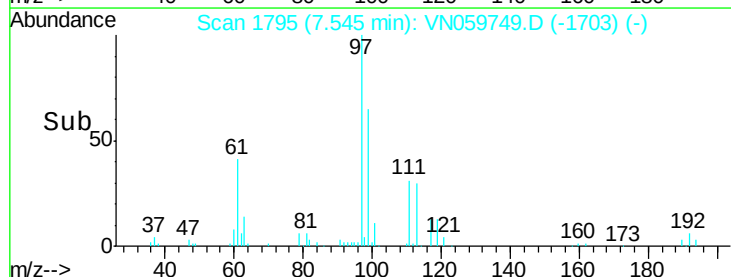
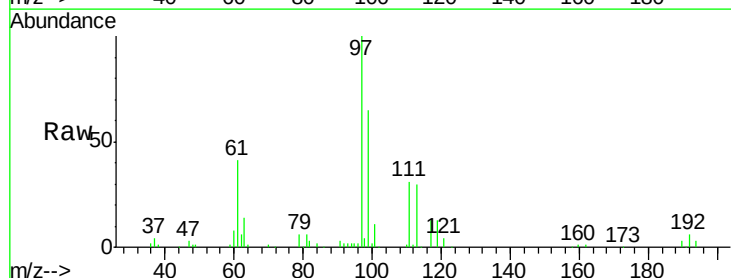
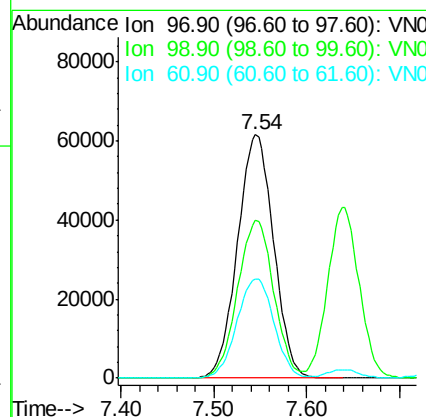
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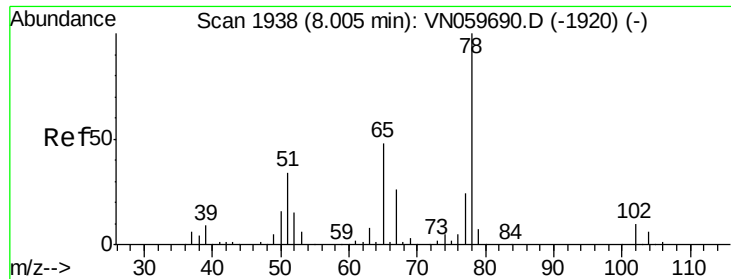
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#32
1,1,1-Trichloroethane
Concen: 51.873 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.4
61	41.8	38.5	57.7





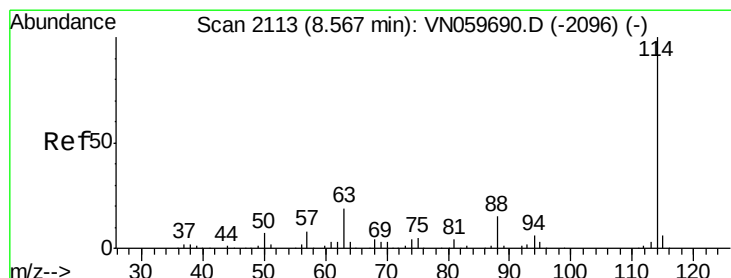
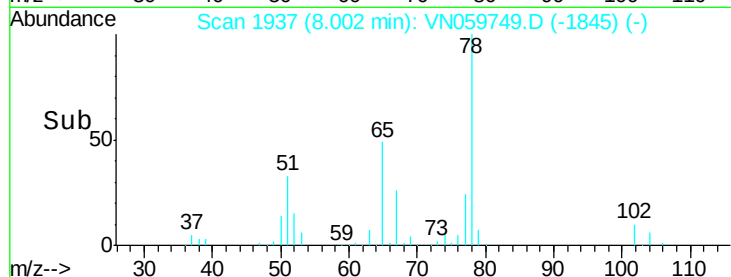
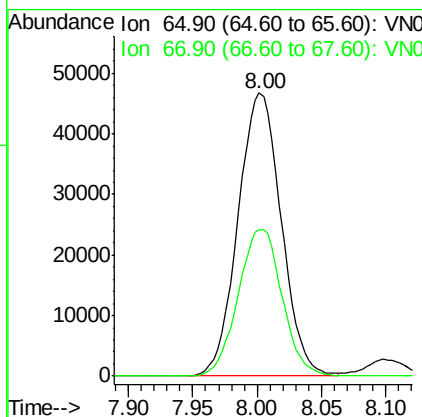
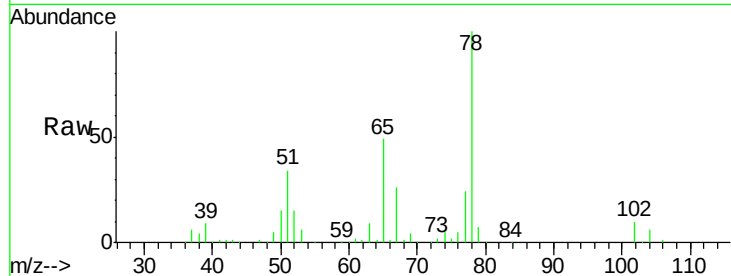
#33
 1,2-Dichloroethane-d4
 Concen: 50.177 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109215		
67	52.6	0.0	103.0	

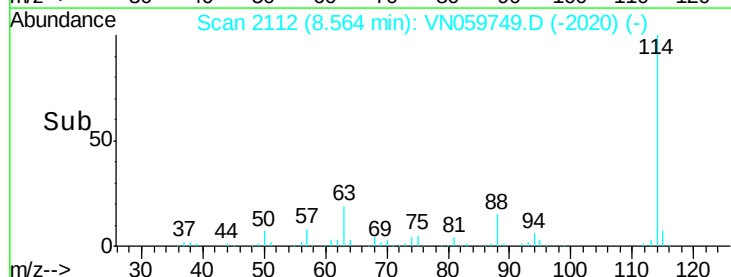
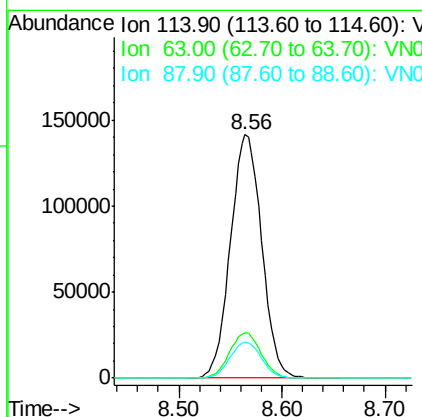
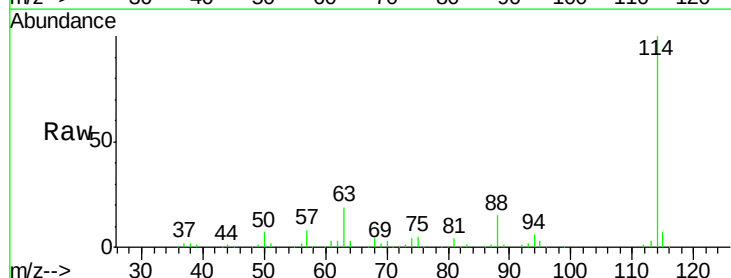
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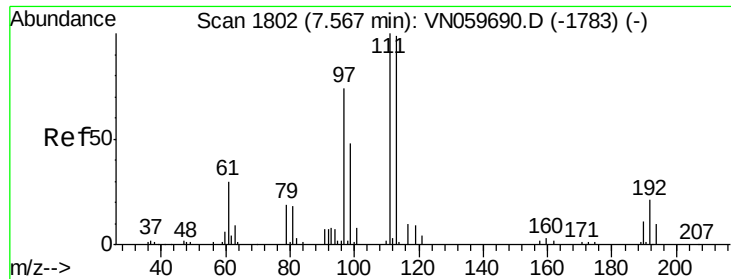
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	298979		
63	18.7	0.0	43.6	
88	14.8	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.842 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

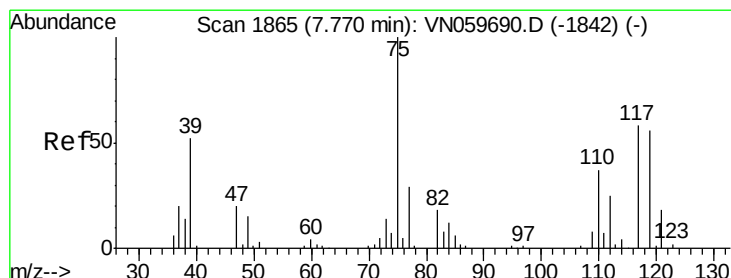
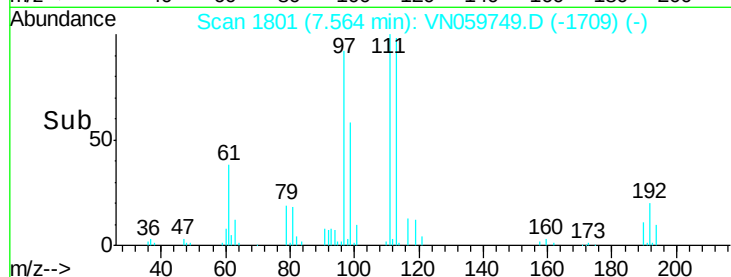
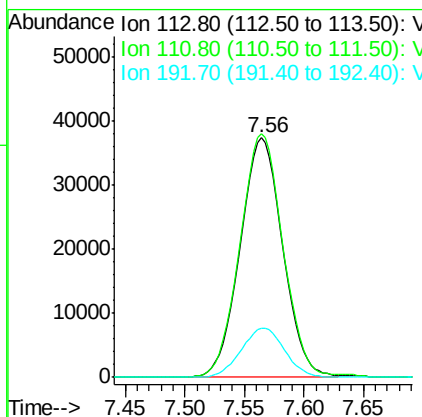
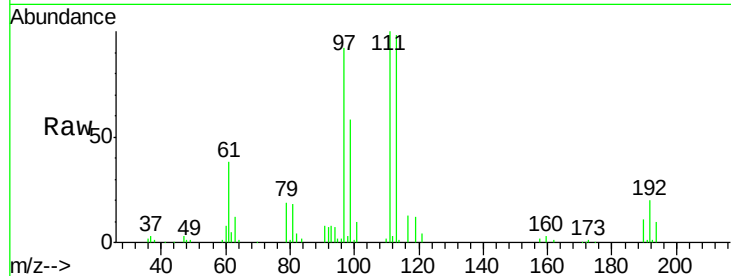
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	92432
Ion Ratio	Lower	Upper	
113	100		
111	103.0	83.5	125.3
192	20.9	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.799 ug/l

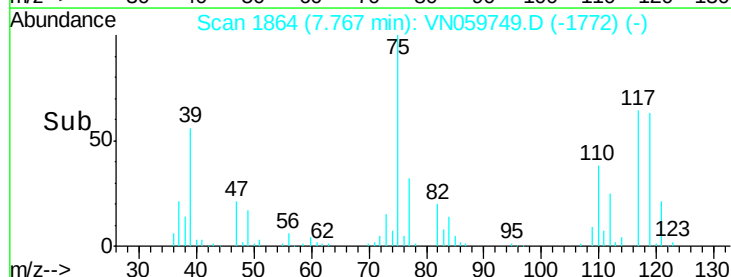
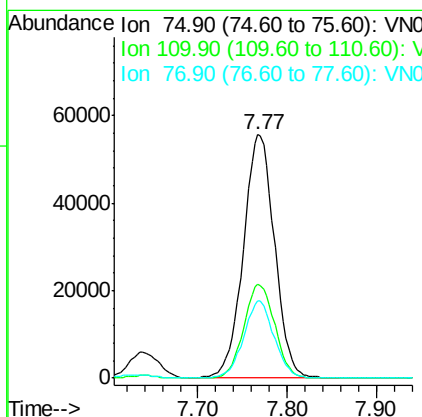
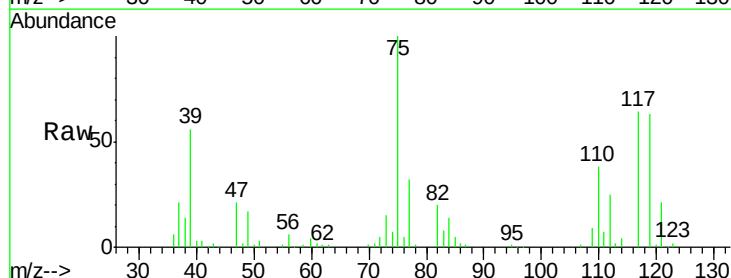
RT: 7.77 min Scan# 1864

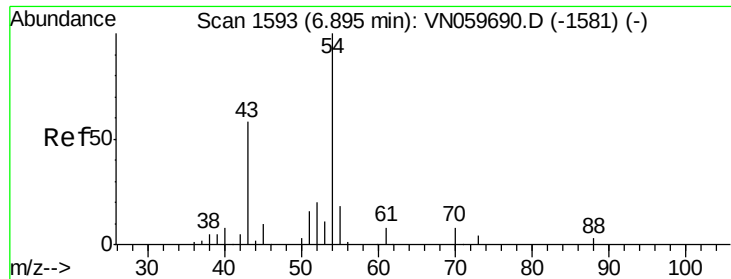
Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion:	75	Resp:	134864
Ion Ratio	Lower	Upper	
75	100		
110	38.2	16.6	49.7
77	30.9	25.1	37.7





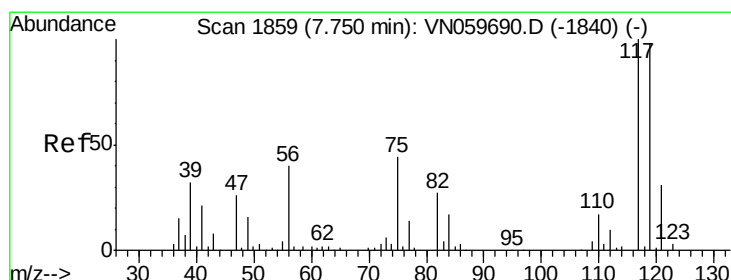
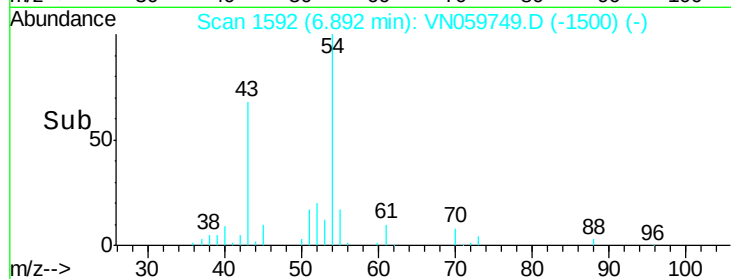
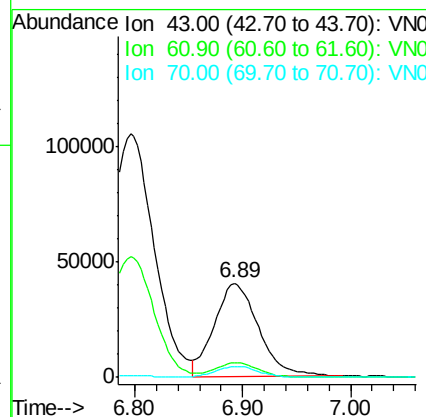
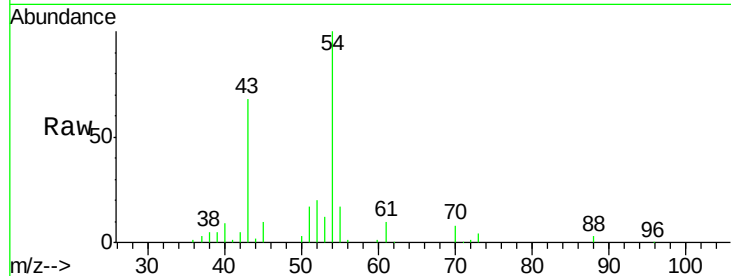
#37
Ethyl Acetate
Concen: 46.933 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.9	16.3
70	11.7	7.7	11.5

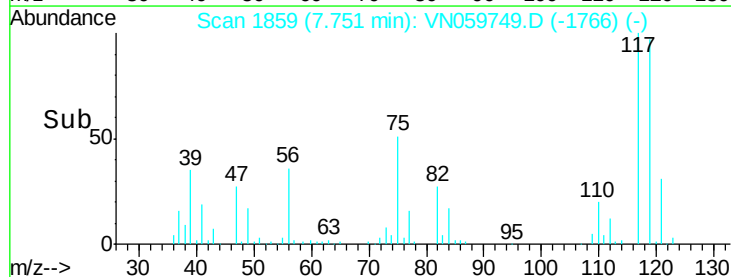
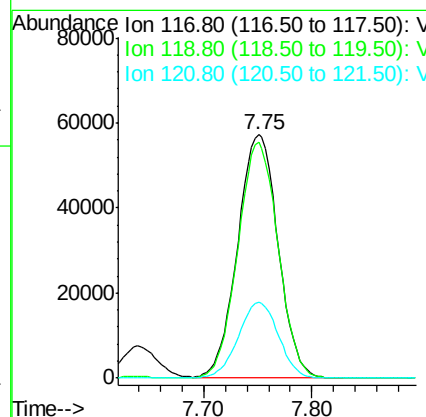
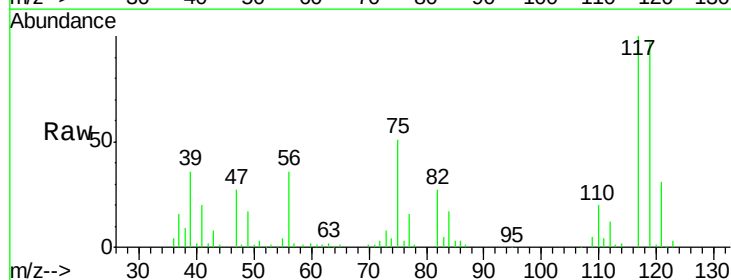
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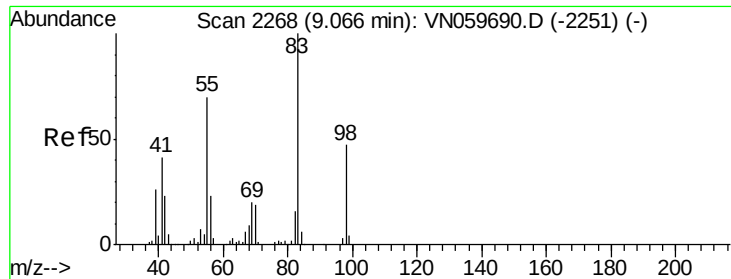
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#38
Carbon Tetrachloride
Concen: 52.807 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.5	114.7
121	31.0	25.1	37.7





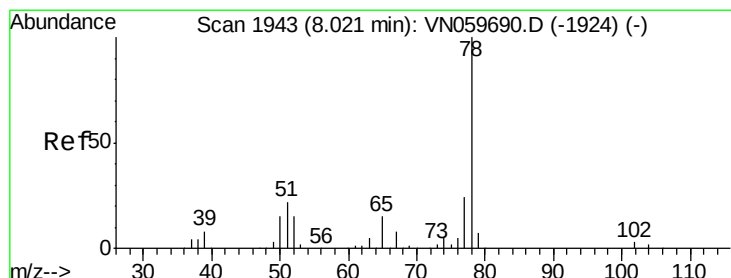
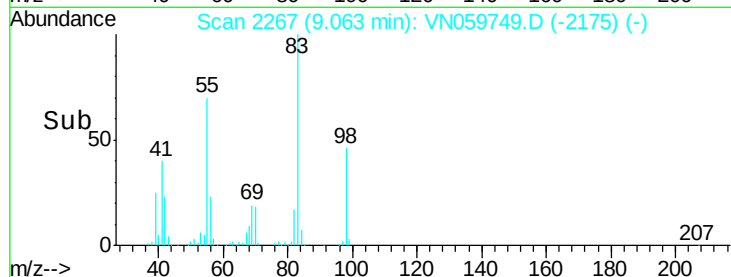
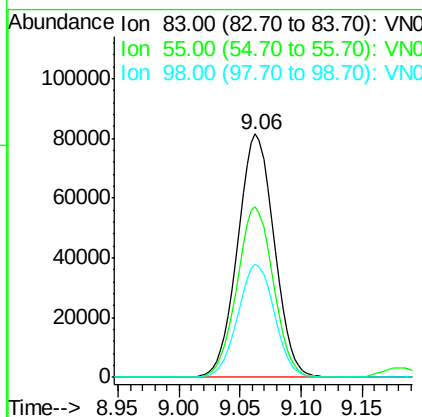
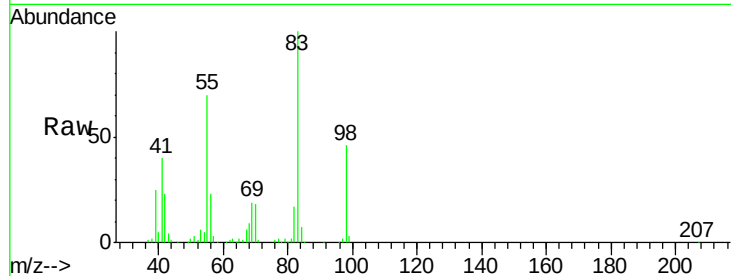
#39
Methylvlcyclohexane
Concen: 52.686 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	169141		
55	69.9	64.2	96.2	
98	46.3	35.9	53.9	

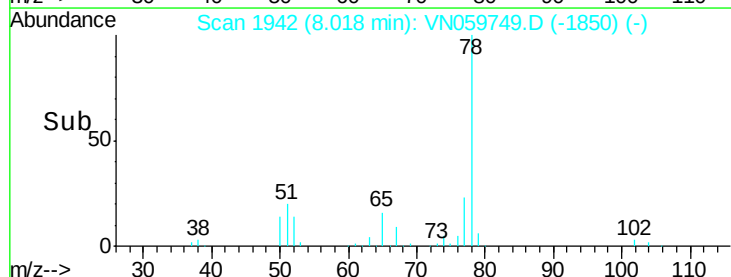
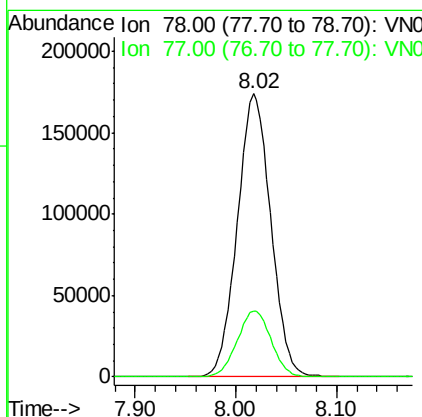
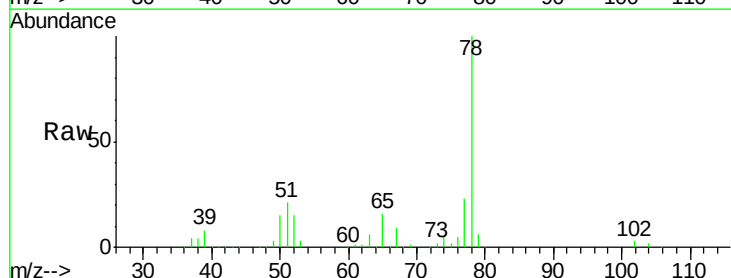
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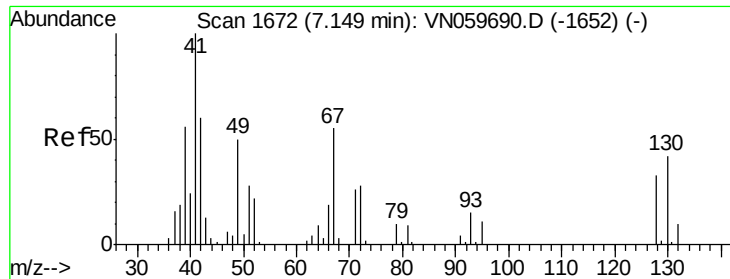
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#40
Benzene
Concen: 51.491 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	399824		
77	23.5	18.9	28.3	





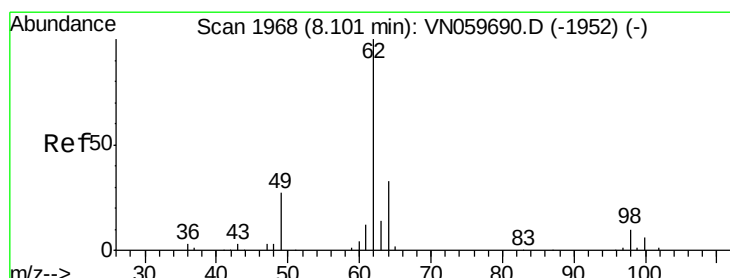
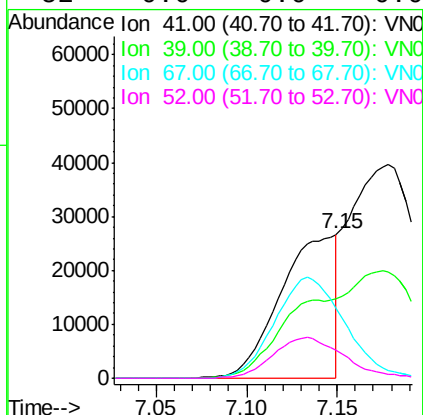
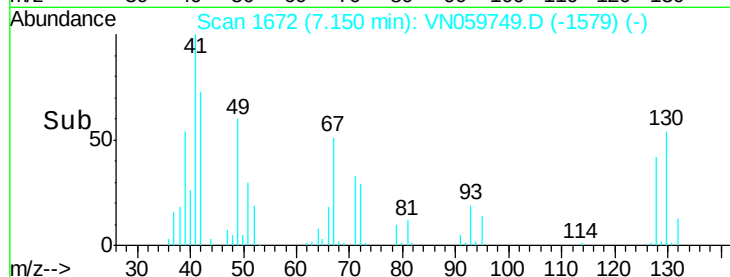
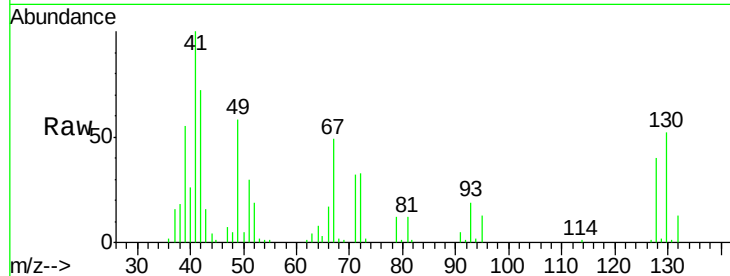
#41
Methacrylonitrile
Concen: 47.680 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	157.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

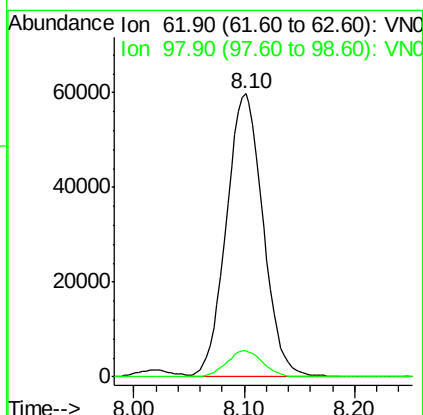
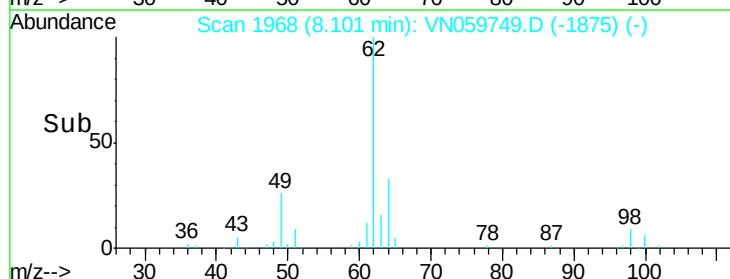
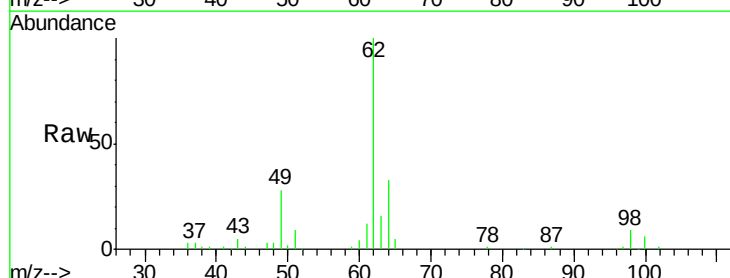
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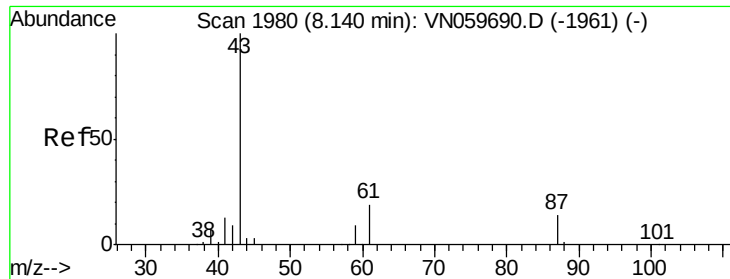
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.372 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





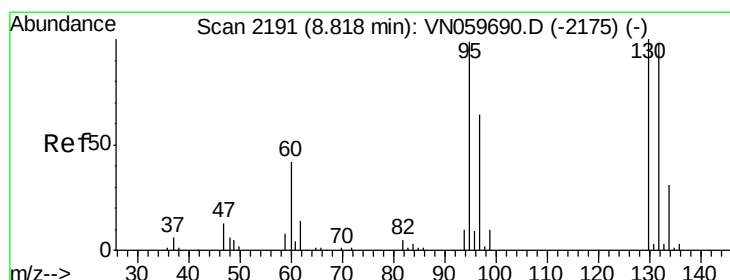
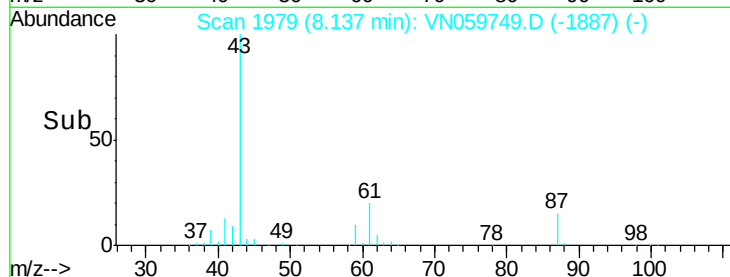
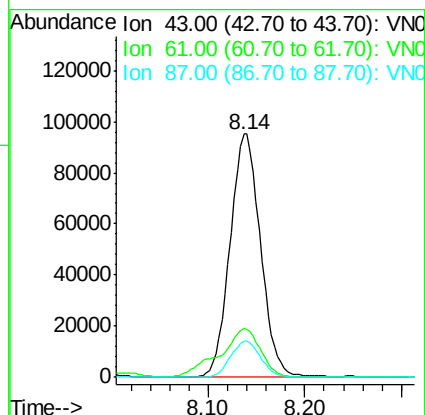
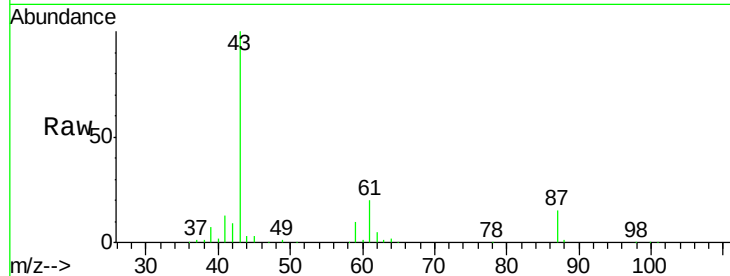
#43
Isopropyl Acetate
Concen: 49.681 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.2	30.2
87	14.8	9.5	14.3

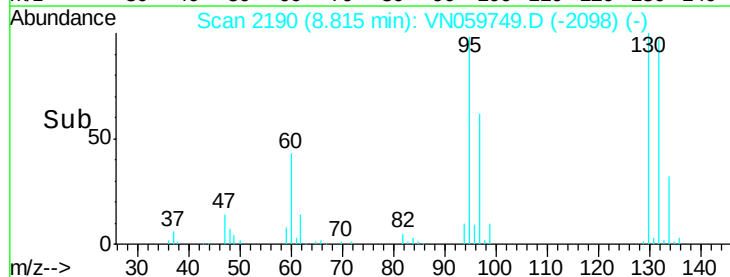
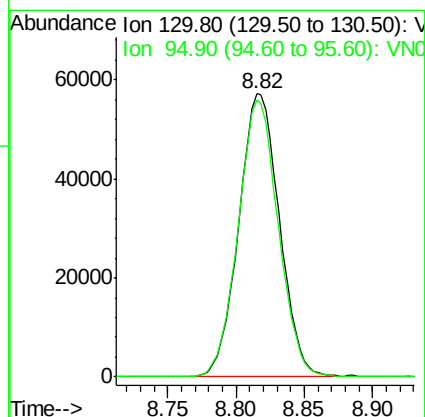
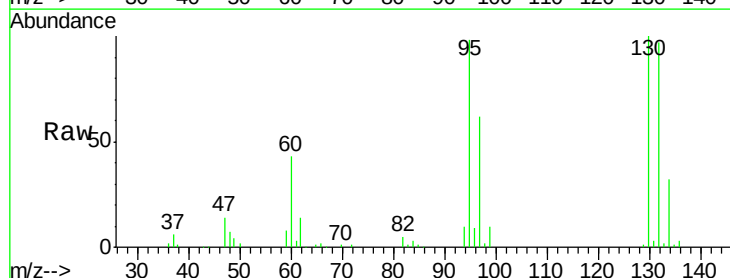
Manual Integrations
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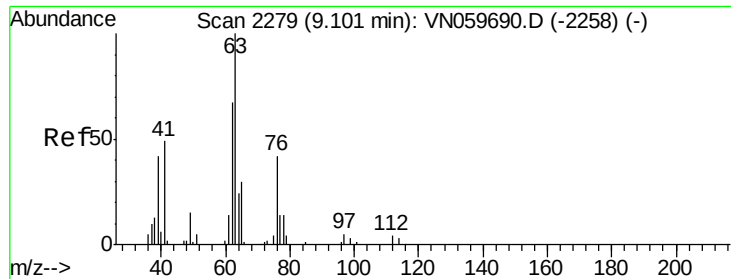
MMDadoda
1/20/2020 11:11:56 AM



#44
Trichloroethene
Concen: 55.739 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	207.0





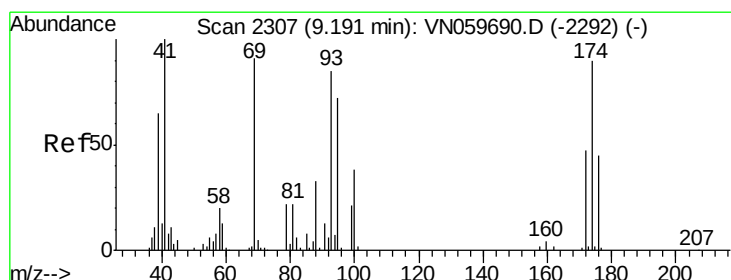
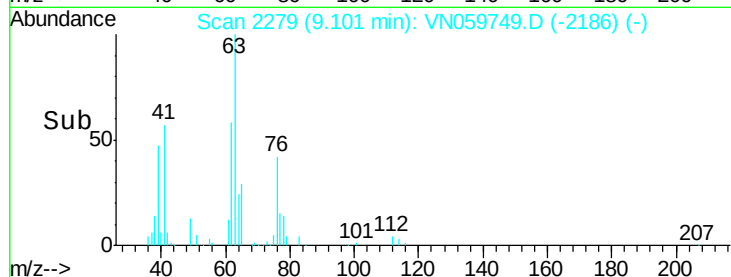
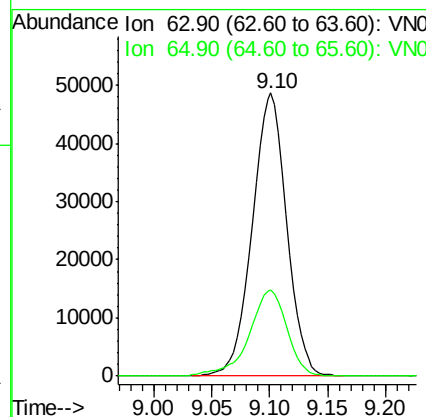
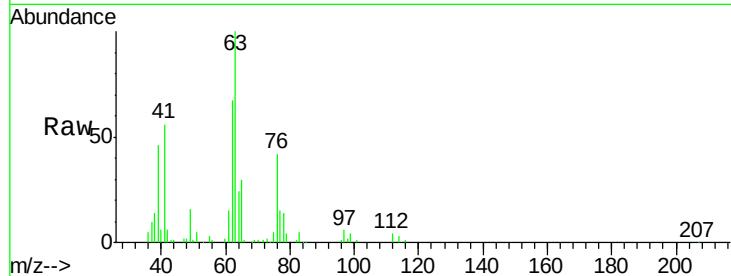
#45
 1,2-Dichloropropane
 Concen: 52.454 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 100788
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.9 37.3

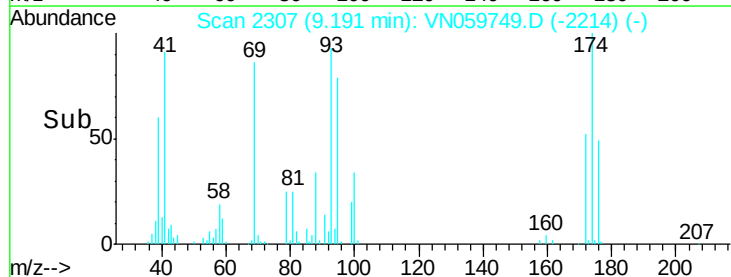
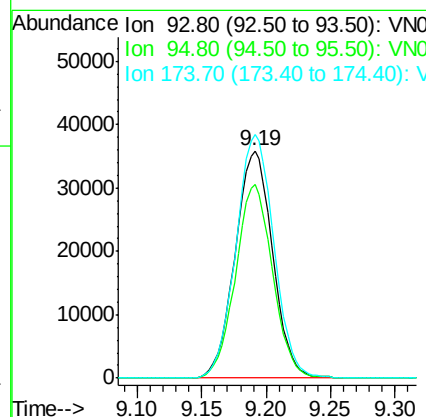
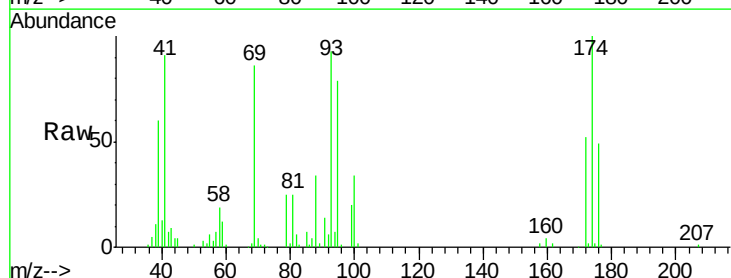
Manual Integrations
 APPROVED

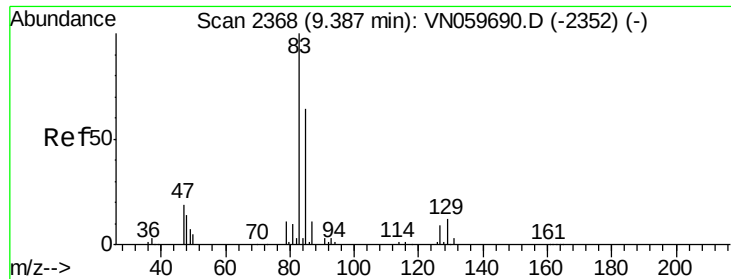
MMDadoda
 1/20/2020 11:11:56 AM



#46
 Dibromomethane
 Concen: 53.430 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion: 93 Resp: 72419
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.6
 174 108.5 73.4 110.2





#47

Bromodichloromethane

Concen: 53.652 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

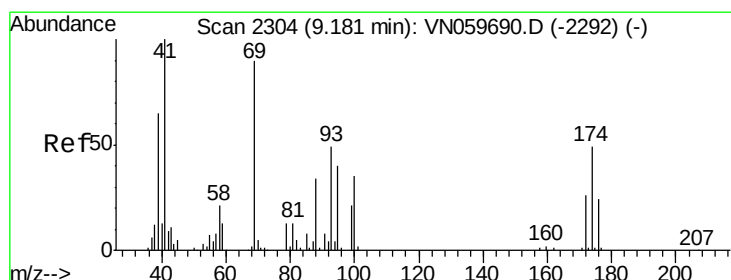
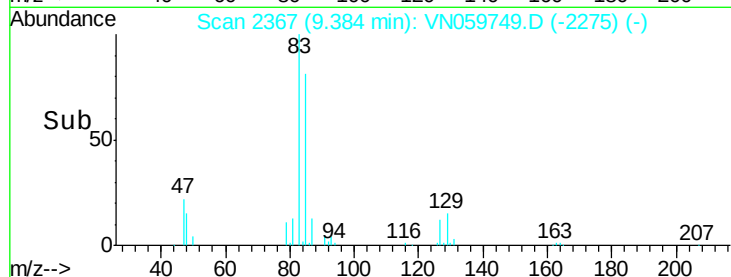
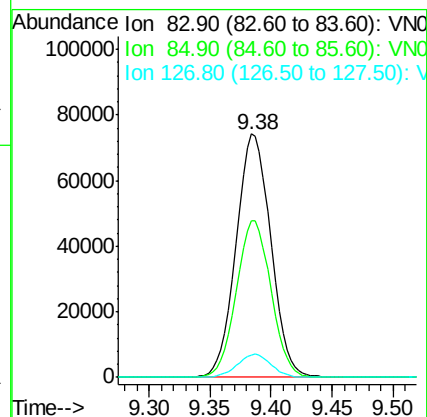
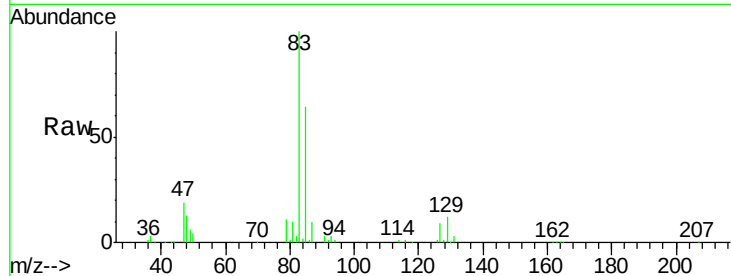
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	146541
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.1	76.7
127	9.3	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.862 ug/l

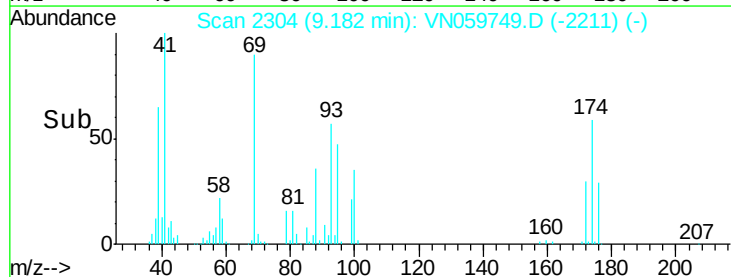
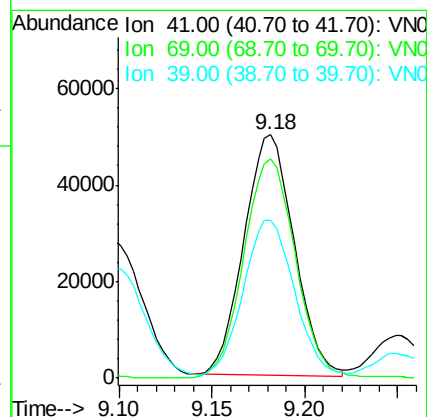
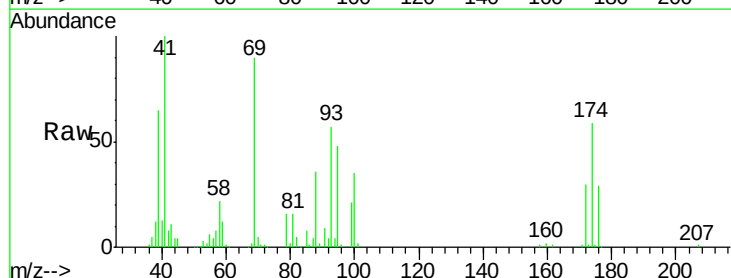
RT: 9.18 min Scan# 2304

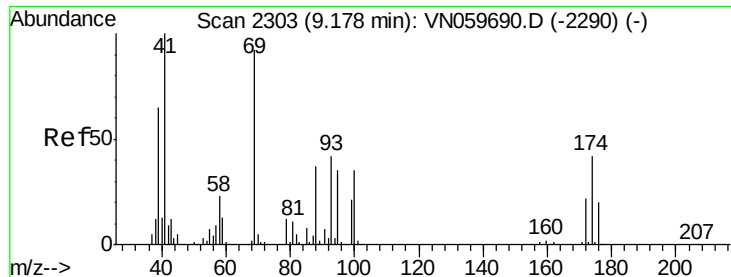
Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion:	41	Resp:	93679
Ion Ratio	Lower	Upper	
41	100		
69	94.2	64.4	96.6
39	65.0	51.3	76.9





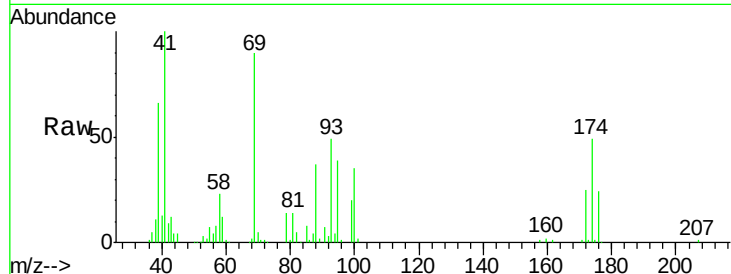
#49
1,4-Dioxane
Concen: 1094.912 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	37658
Ion	Ratio	Lower	Upper
88	100		
43	30.9	29.7	44.5
58	61.7	56.6	85.0

Manual Integrations
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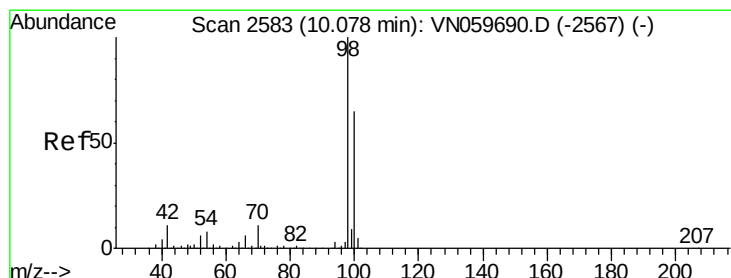
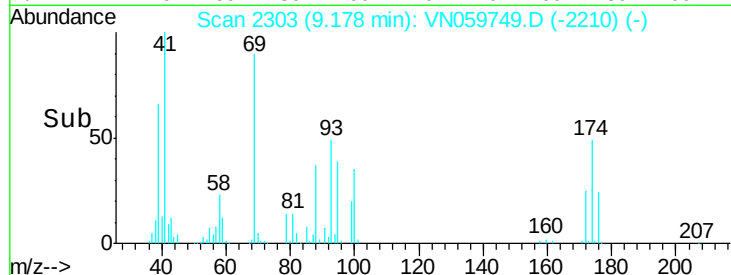
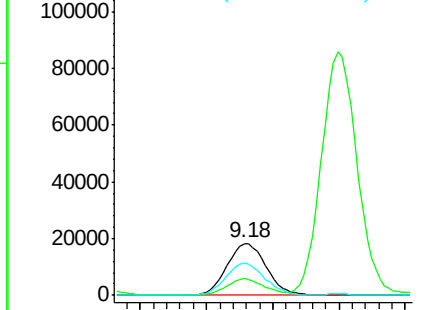
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Abundance Ion 88.00 (87.70 to 88.70): VN059749.D (-2210) (-)

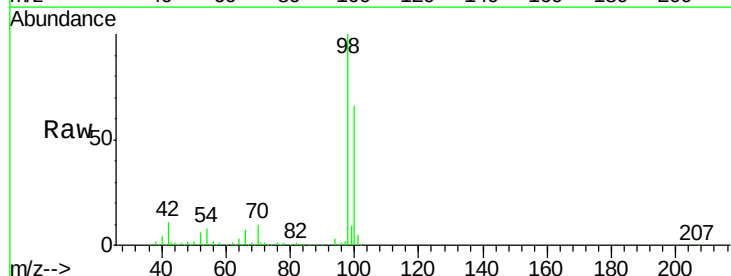
Ion 43.00 (42.70 to 43.70): VN059749.D (-2210) (-)

Ion 58.00 (57.70 to 58.70): VN059749.D (-2210) (-)



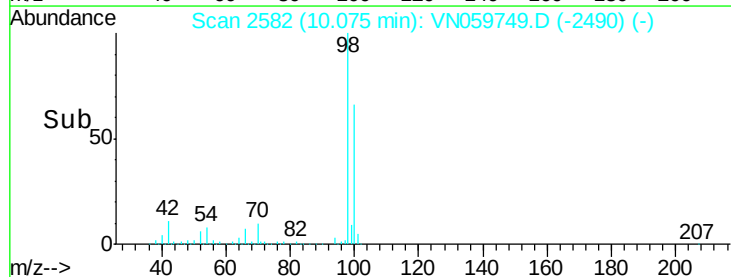
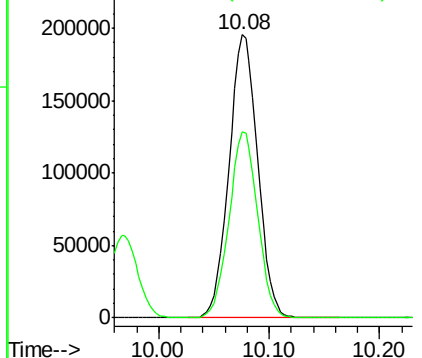
#50
Toluene-d8
Concen: 51.026 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

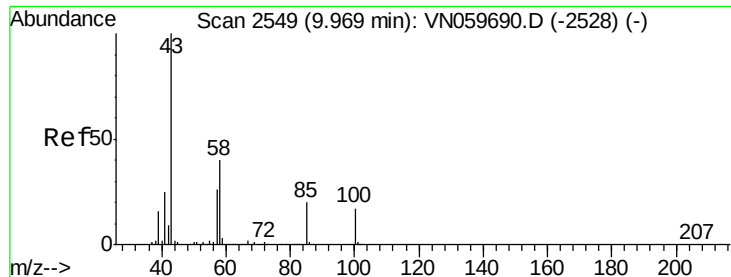
Tgt Ion	98	Resp	352487
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059749.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059749.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 245.022 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 594926

Ion Ratio Lower Upper

43 100

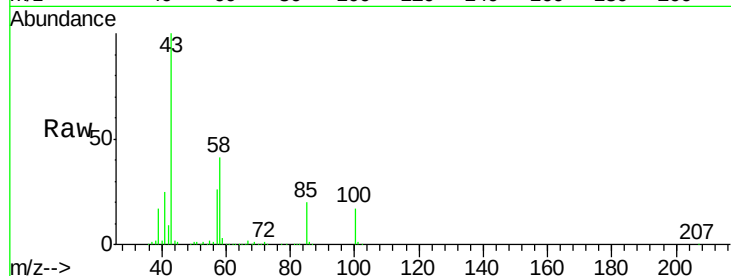
58 40.7 29.8 44.8

Manual Integrations

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

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

9.97

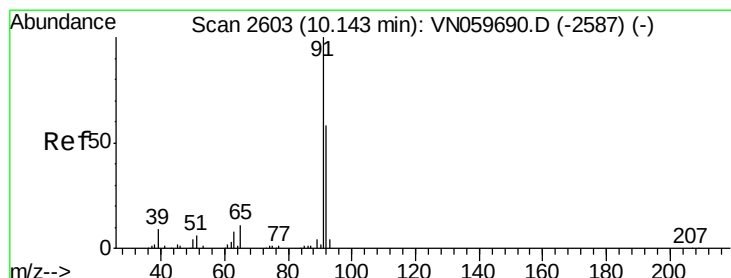
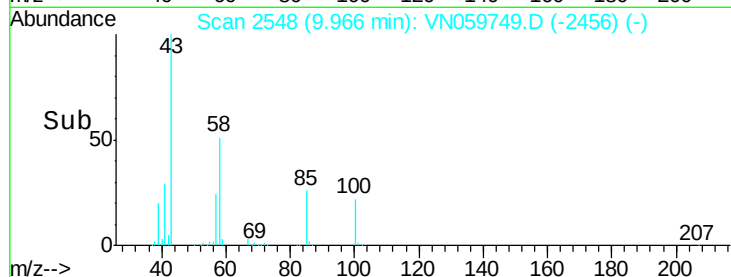
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.159 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059749.D

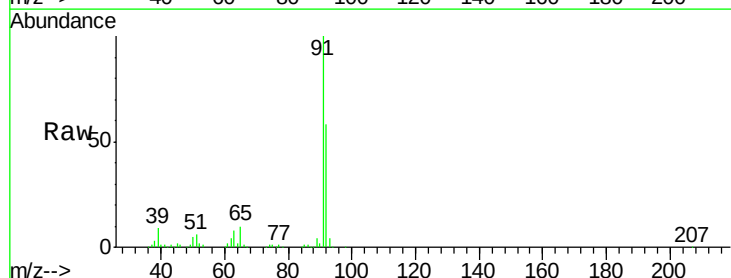
Acq: 17 Jan 2020 9:50

Tgt Ion: 92 Resp: 260727

Ion Ratio Lower Upper

92 100

91 174.2 140.4 210.6



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

Ion 91.00 (90.70 to 91.70): VN059690.D (-2587) (-)

10.14

250000

200000

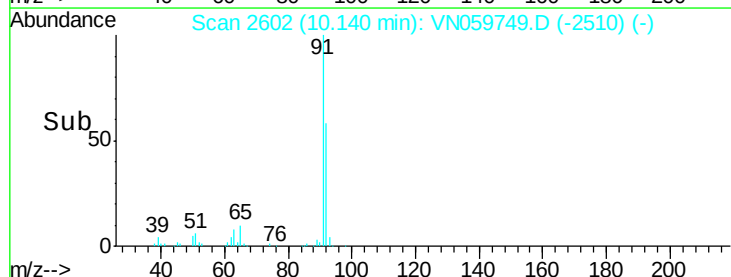
150000

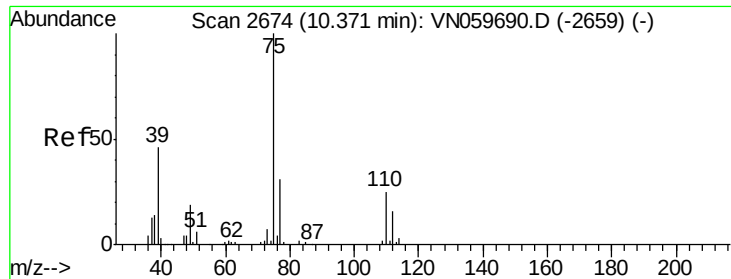
100000

50000

0

Time-->





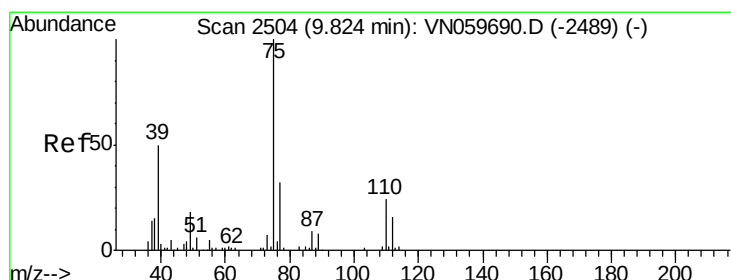
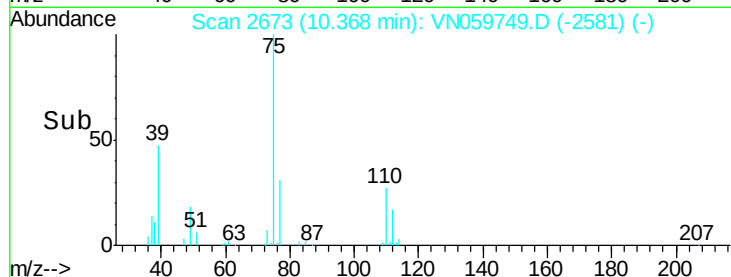
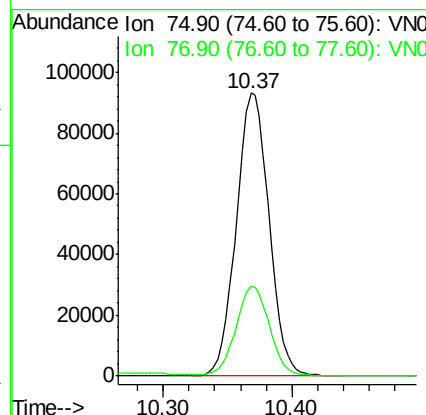
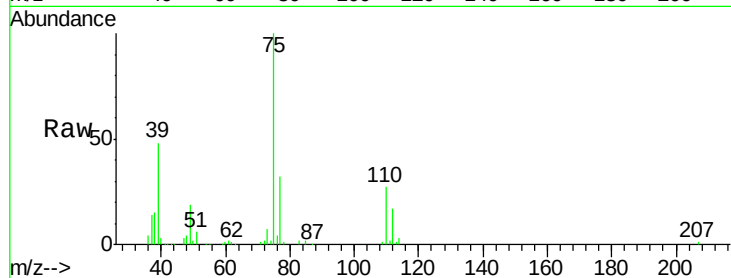
#53
 t-1,3-Dichloropropene
 Concen: 53.932 ug/l
 RT: 10.37 min Scan# 2673
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 164480
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2

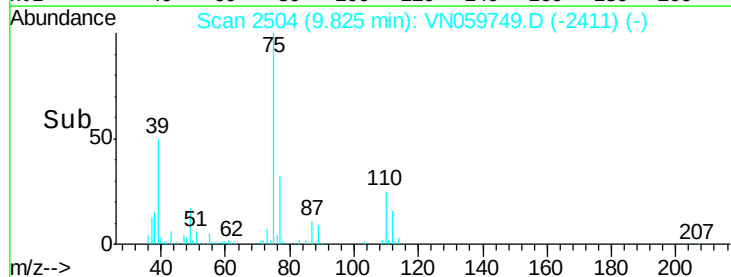
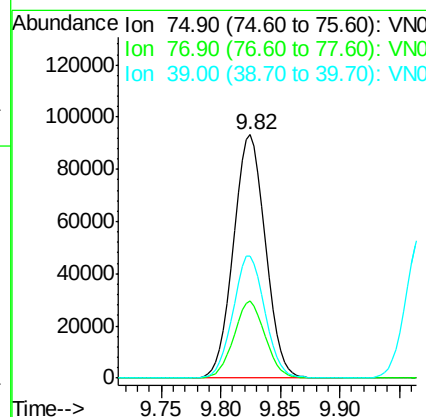
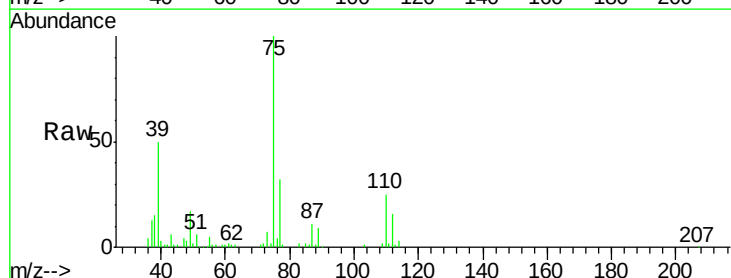
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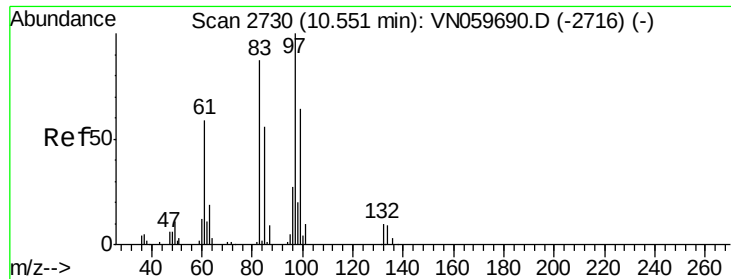
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#54
 cis-1,3-Dichloropropene
 Concen: 54.169 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion: 75 Resp: 173824
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.1 37.7
 39 50.3 46.1 69.1





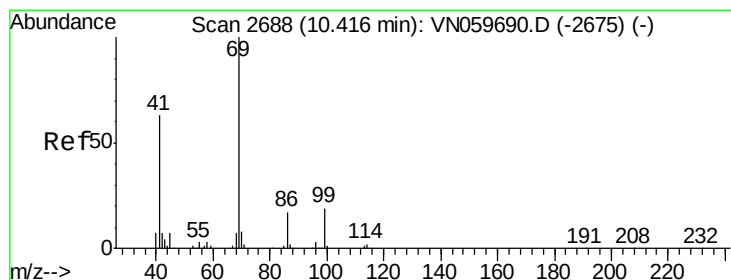
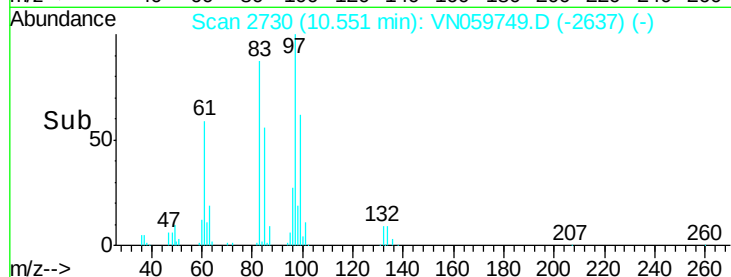
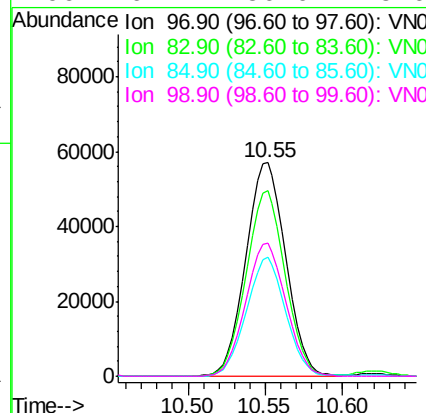
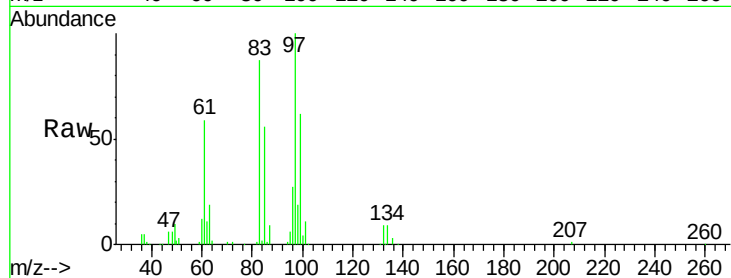
#55
 1,1,2-Trichloroethane
 Concen: 52.870 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	97	Resp	102703
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.3	106.9
85	55.6	45.8	68.8
99	62.2	50.0	75.0

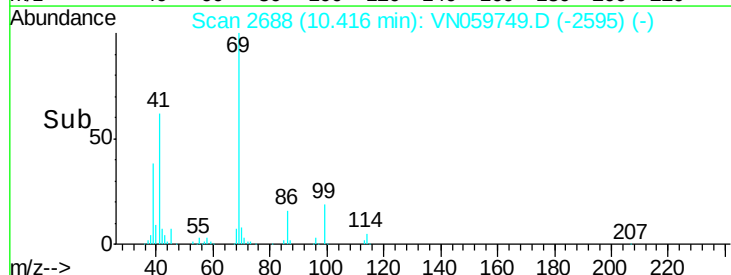
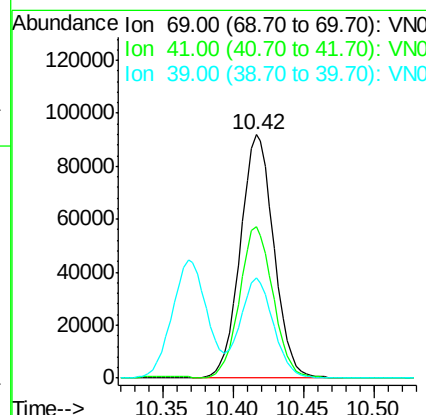
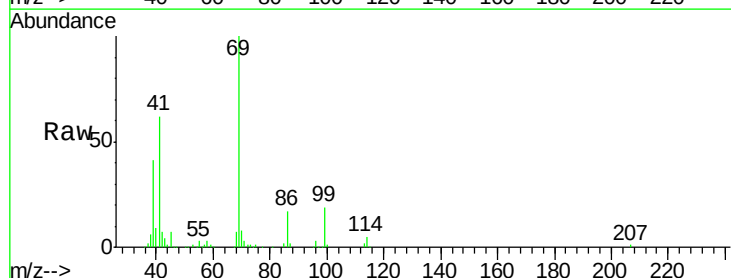
Manual Integrations
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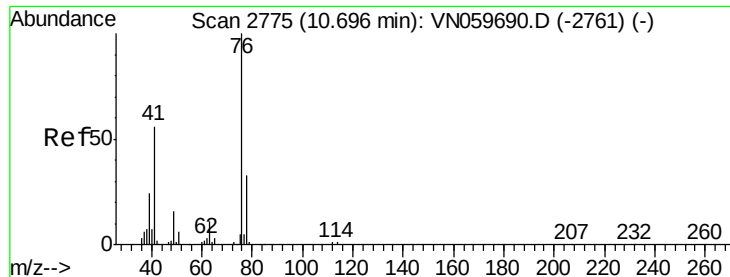
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#56
 Ethyl methacrylate
 Concen: 51.641 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion	69	Resp	153282
Ion	Ratio	Lower	Upper
69	100		
41	61.2	57.1	85.7
39	40.1	34.7	52.1





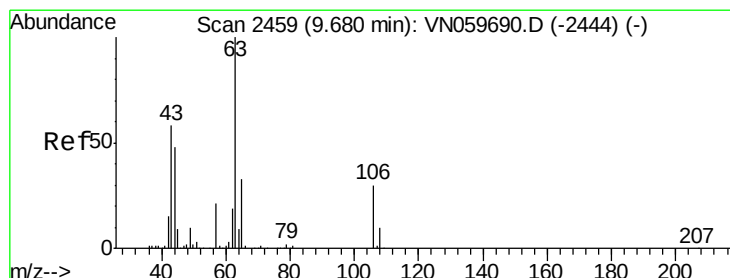
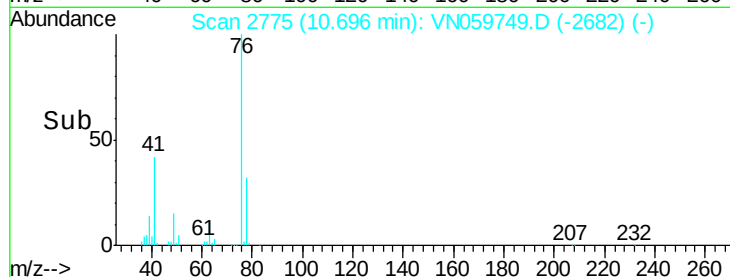
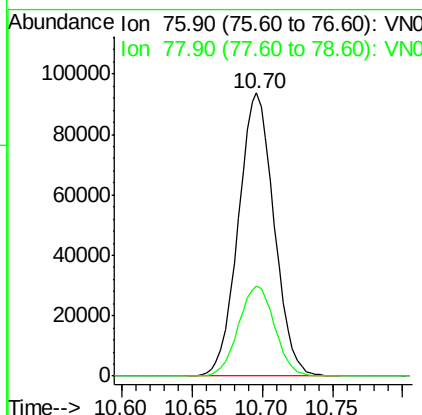
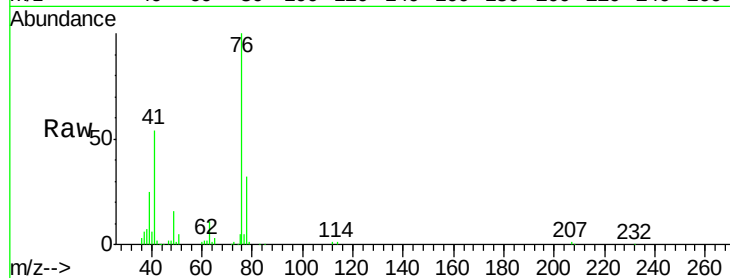
#57
 1,3-Dichloropropane
 Concen: 53.843 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

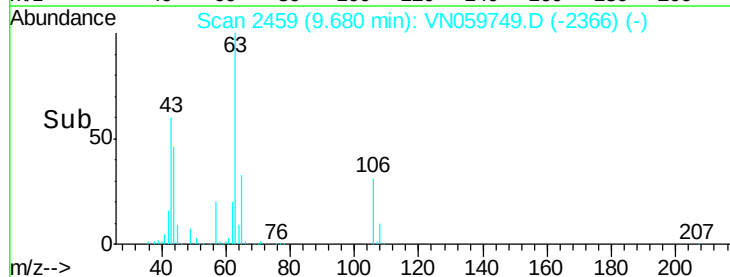
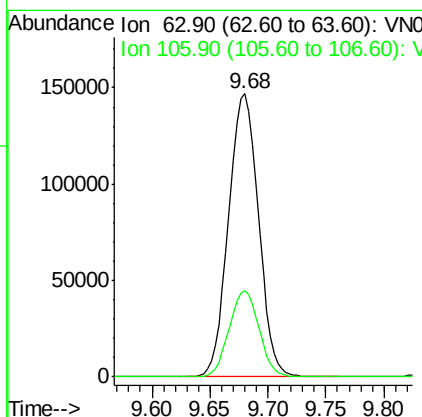
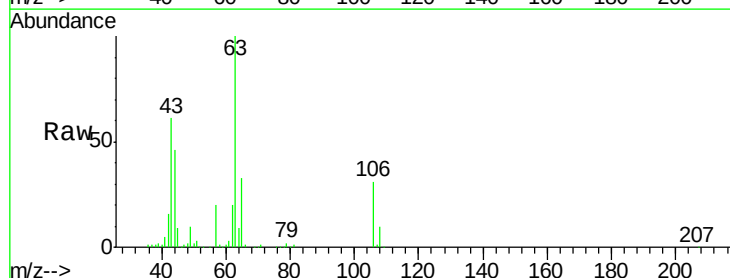
Manual Integrations
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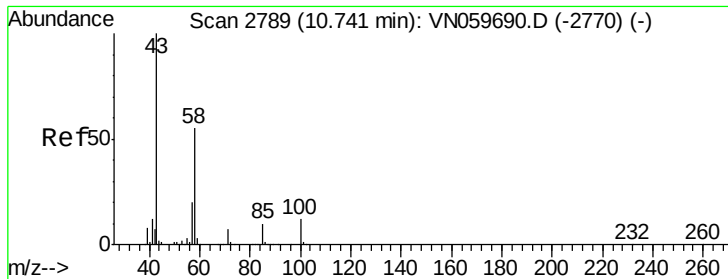
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 1/20/2020 11:11:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 294.003 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	20.2	30.2





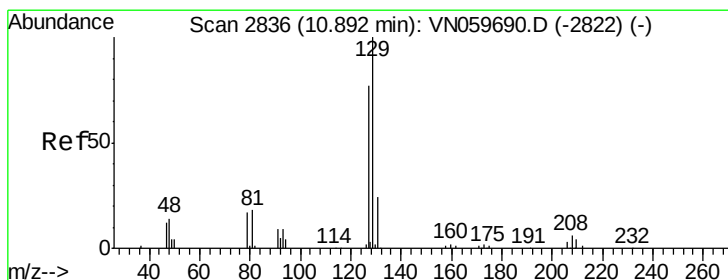
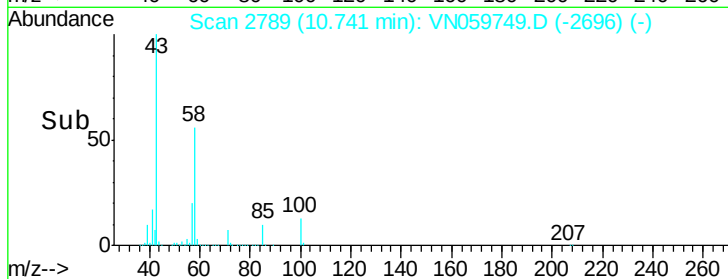
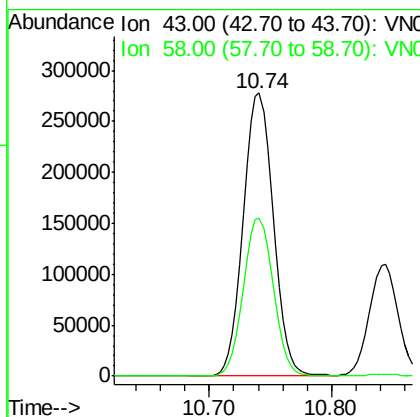
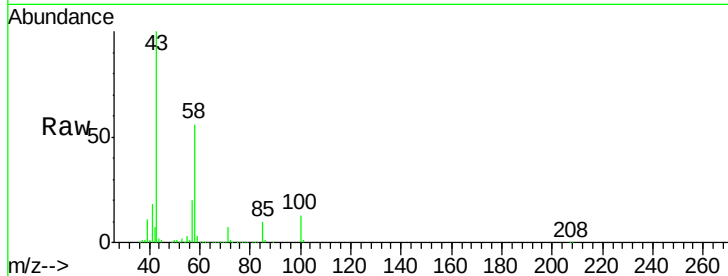
#59
2-Hexanone
Concen: 263.670 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 471641
Ion Ratio Lower Upper
43 100
58 55.8 25.8 77.3

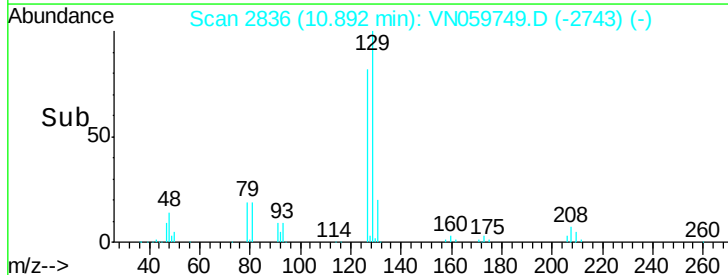
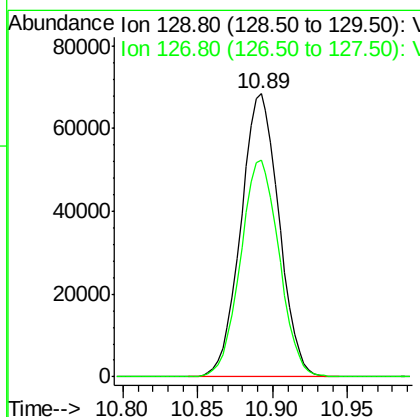
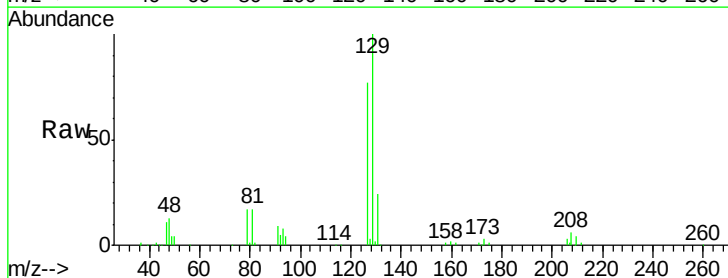
Manual Integrations
APPROVED

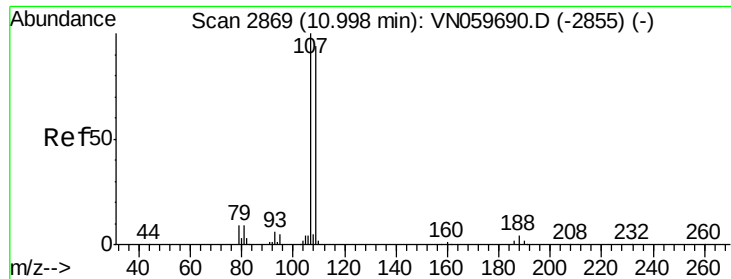
MMDadoda
1/20/2020 11:11:56 AM



#60
Dibromochloromethane
Concen: 54.877 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion: 129 Resp: 121392
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





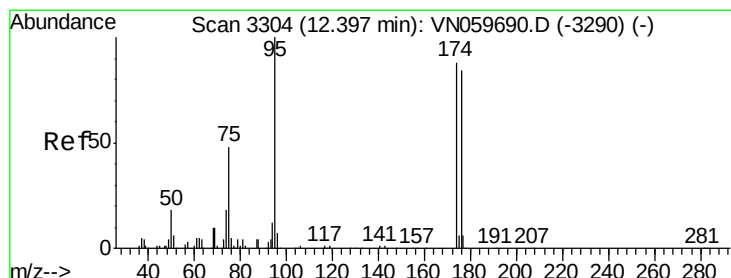
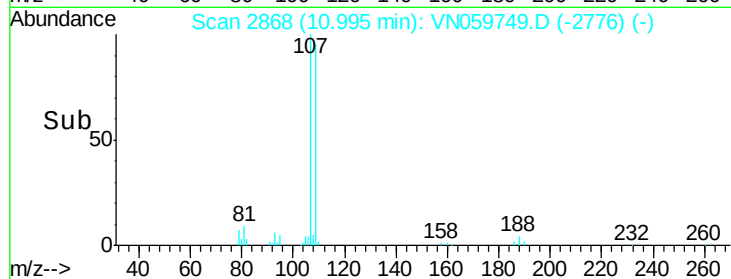
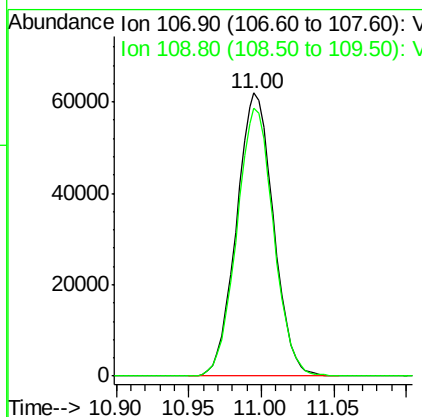
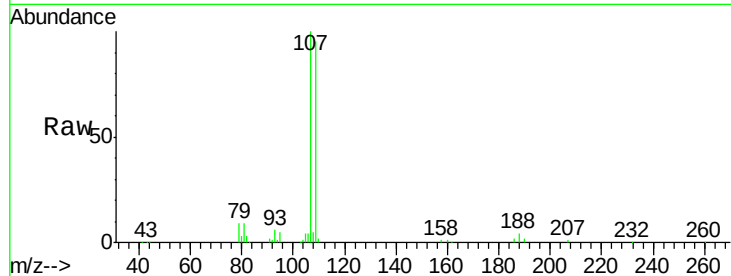
#61
 1,2-Dibromoethane
 Concen: 53.825 ug/l
 RT: 11.00 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	109588		
109	94.7	76.6	115.0	

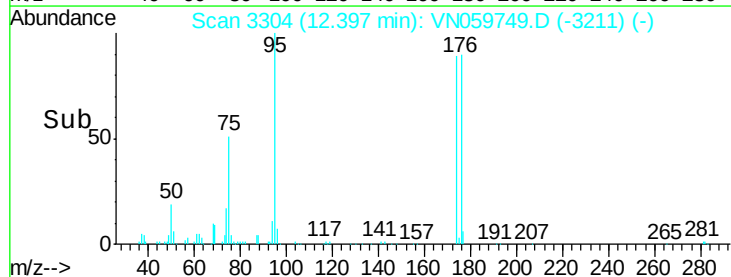
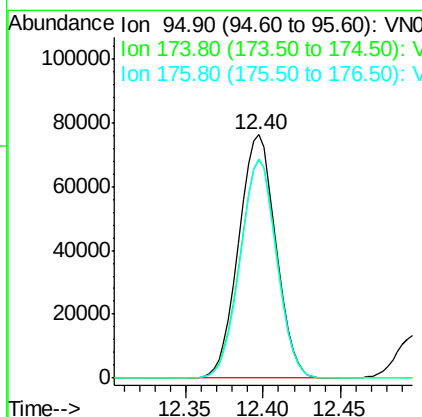
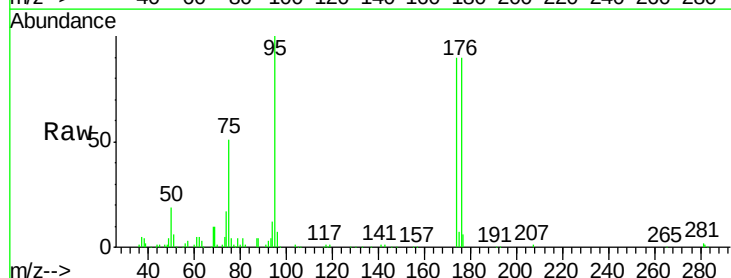
Manual Integrations
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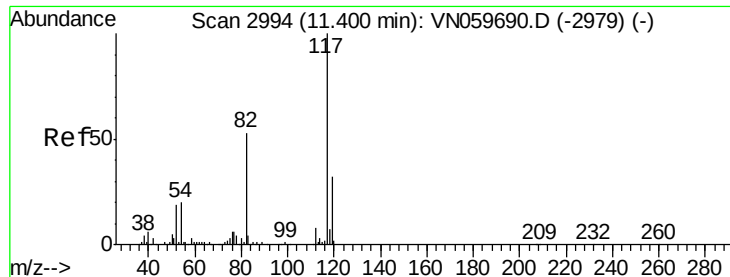
MMDadoda
 1/20/2020 11:11:56 AM



#62
 4-Bromofluorobenzene
 Concen: 51.286 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	127719		
174	88.8	0.0	151.4	
176	87.5	0.0	146.0	





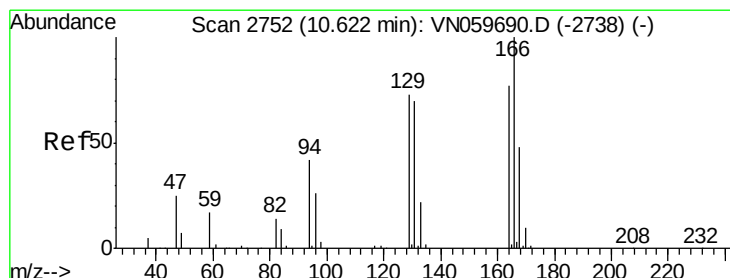
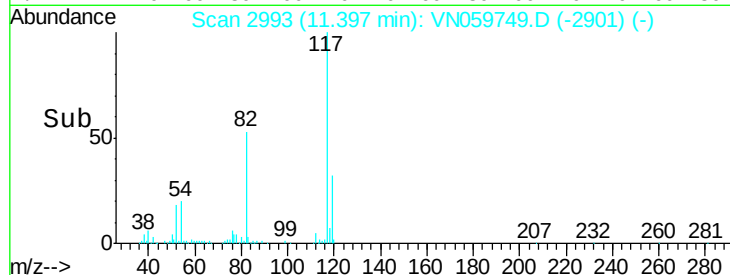
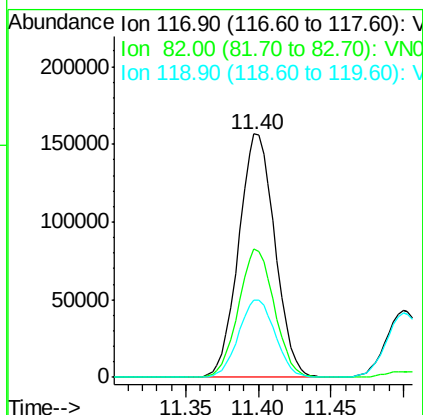
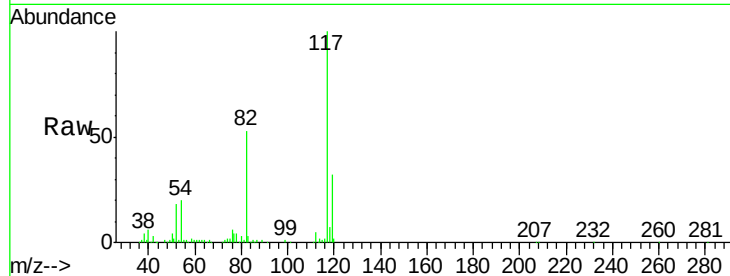
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.9	68.9
119	31.8	25.5	38.3

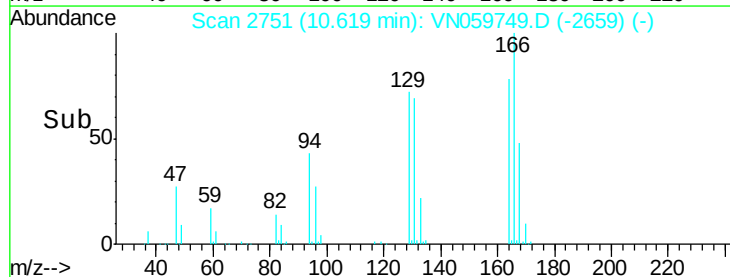
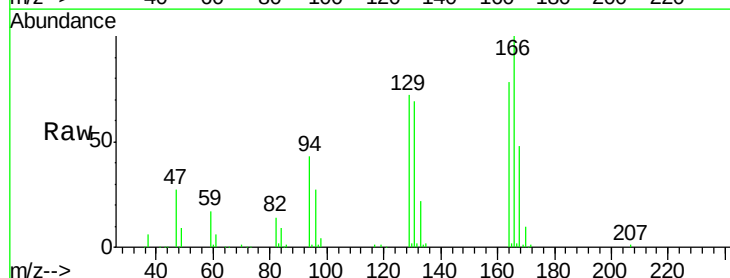
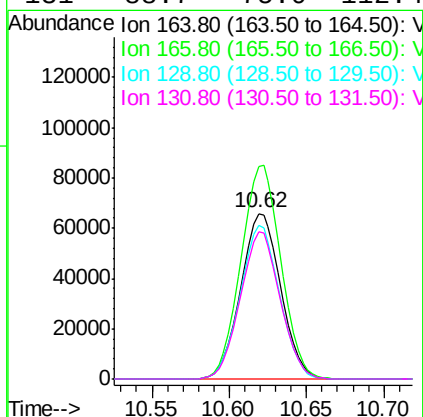
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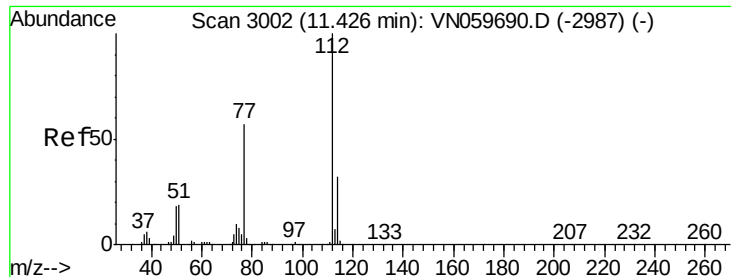
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#64
Tetrachloroethene
Concen: 53.192 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.4	152.0
129	92.8	80.2	120.4
131	88.7	75.0	112.4





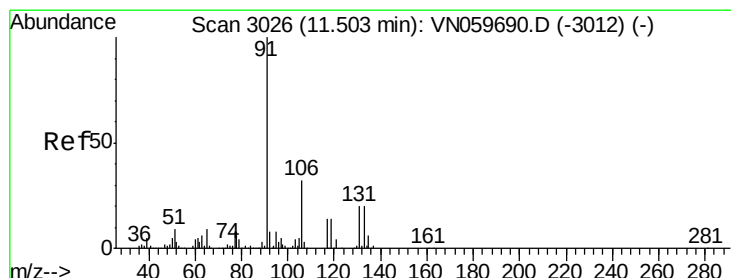
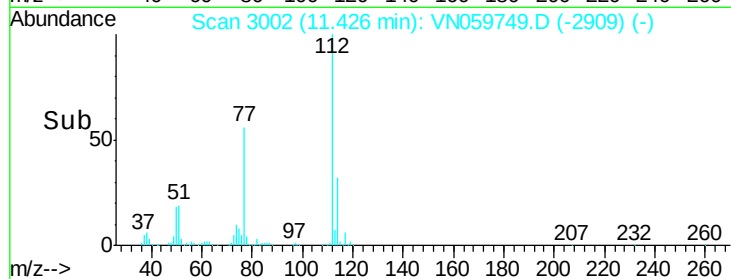
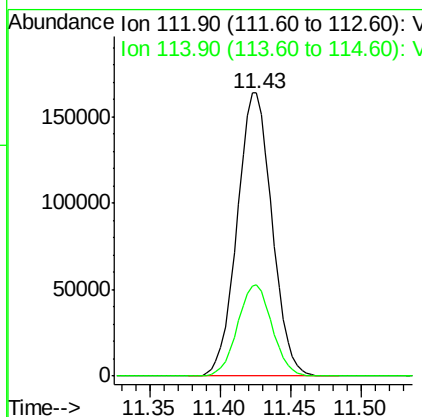
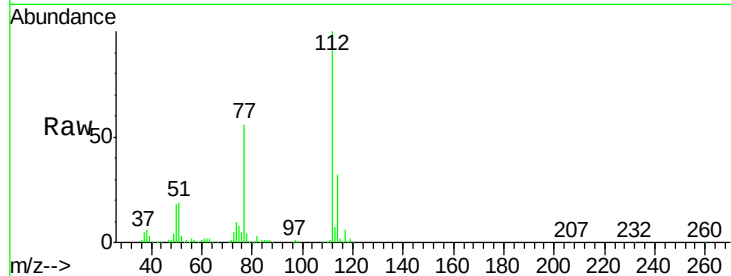
#65
Chlorobenzene
Concen: 53.095 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.8

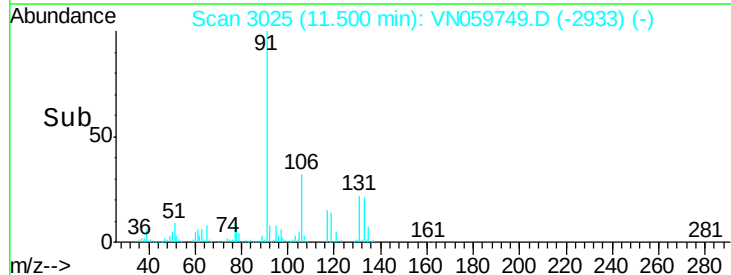
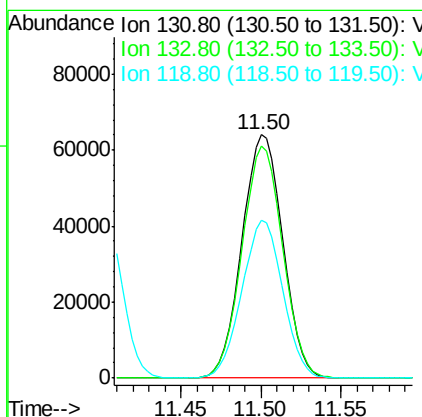
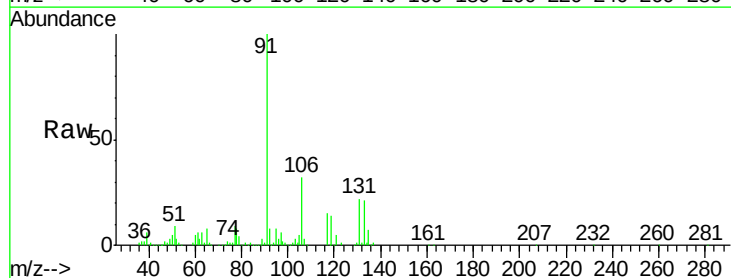
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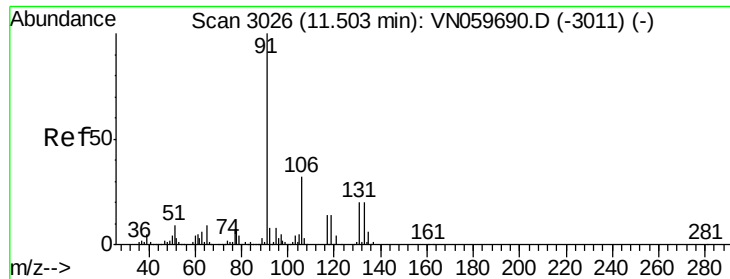
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.184 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.4	142.2
119	64.9	33.1	99.3





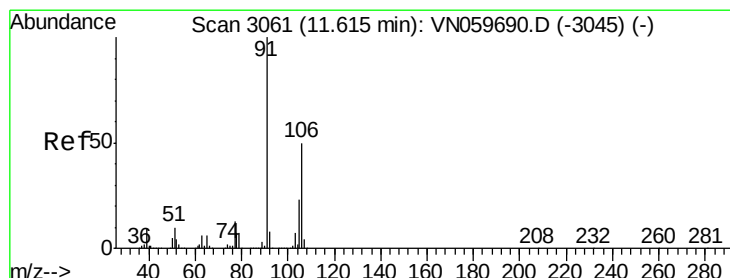
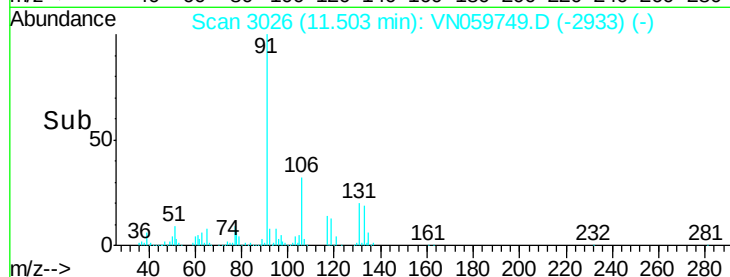
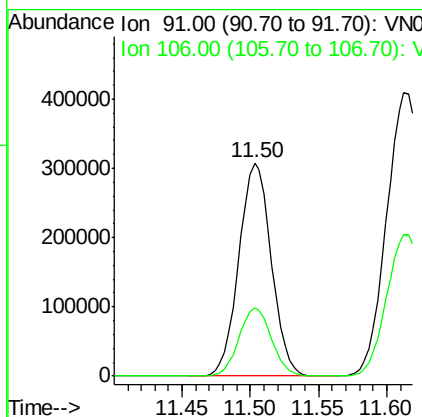
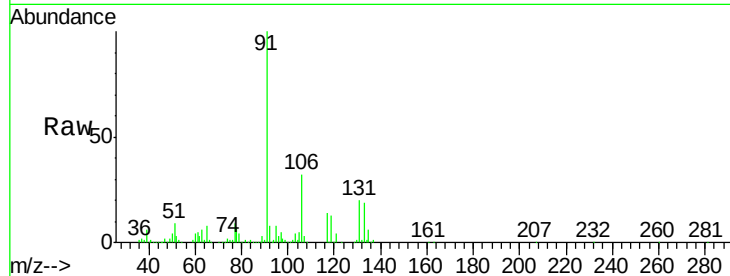
#67
Ethyl Benzene
Concen: 52.339 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 508223
Ion Ratio Lower Upper
91 100
106 32.0 24.1 36.1

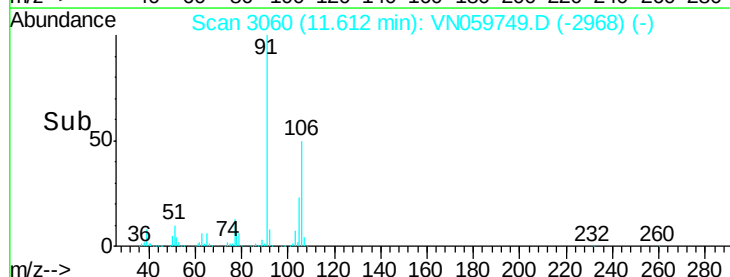
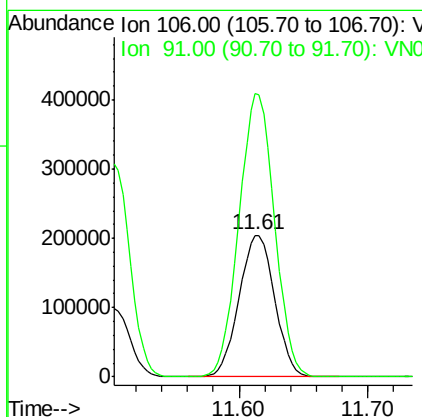
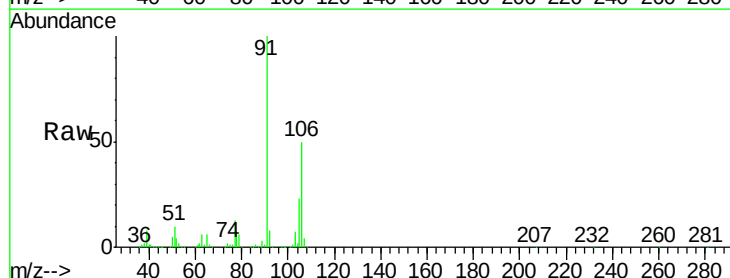
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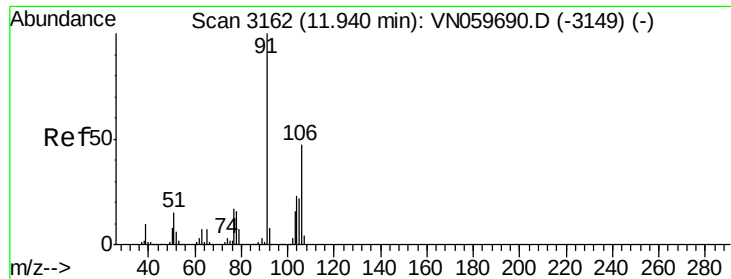
MMDadoda
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#68
m/p-Xylenes
Concen: 107.048 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion: 106 Resp: 392647
Ion Ratio Lower Upper
106 100
91 199.1 167.9 251.9





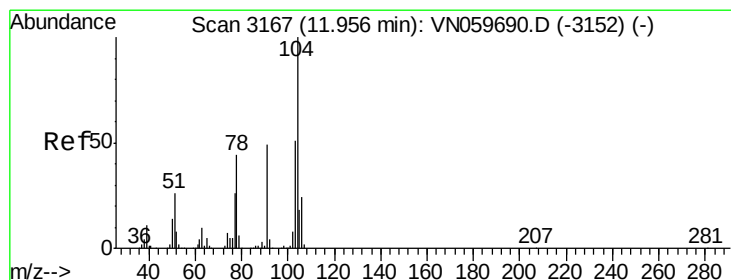
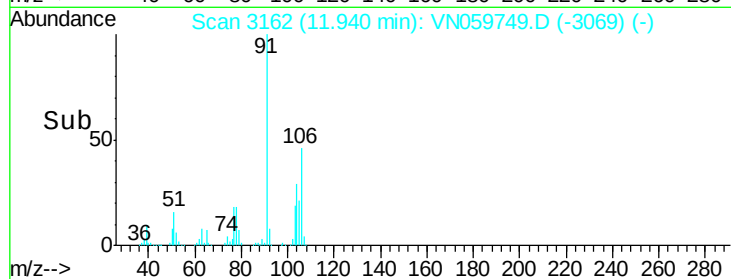
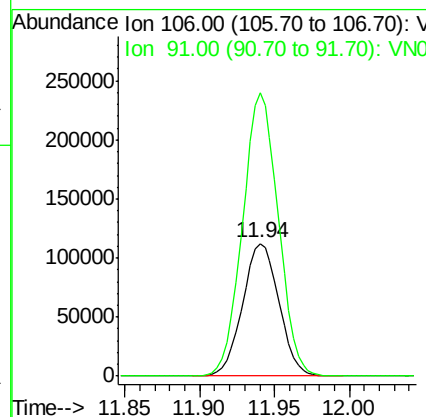
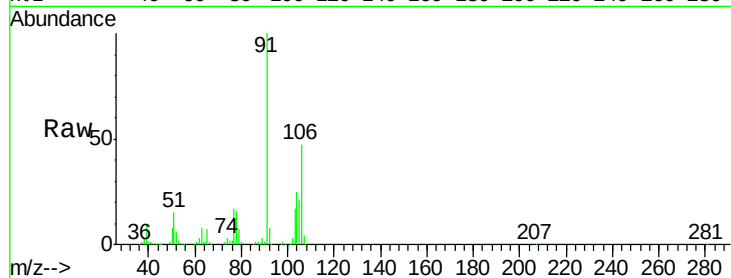
#69
o-Xylene
Concen: 52.805 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	189620		
91	91	209.5	110.3	330.9	

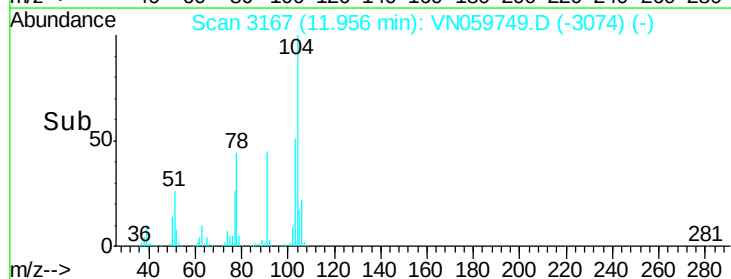
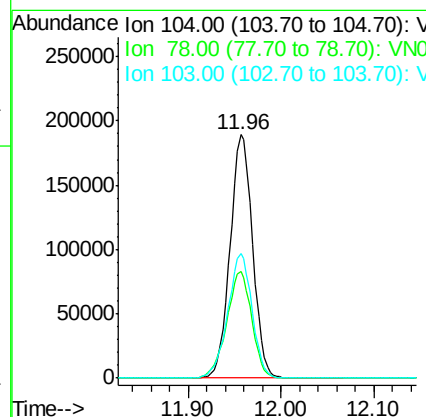
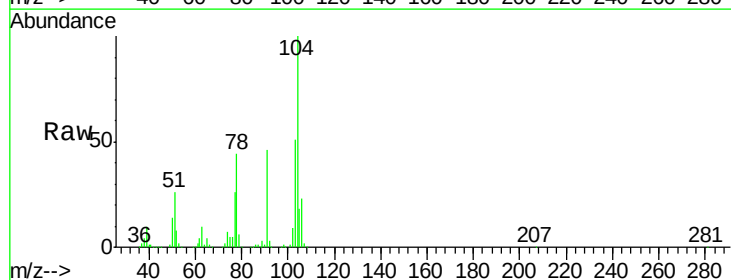
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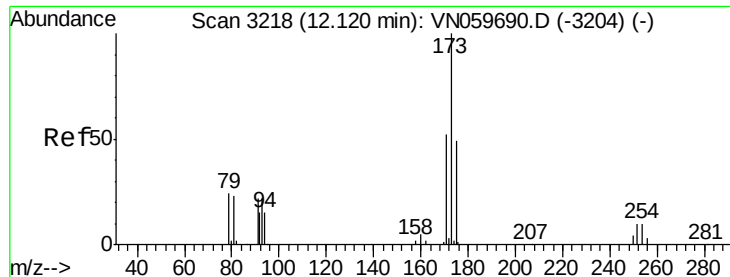
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#70
Styrene
Concen: 53.053 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	318789		
78	78	48.6	42.4	63.6	
103	103	55.1	43.9	65.9	





#71

Bromoform

Concen: 55.759 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 92314

Ion Ratio Lower Upper

173 100

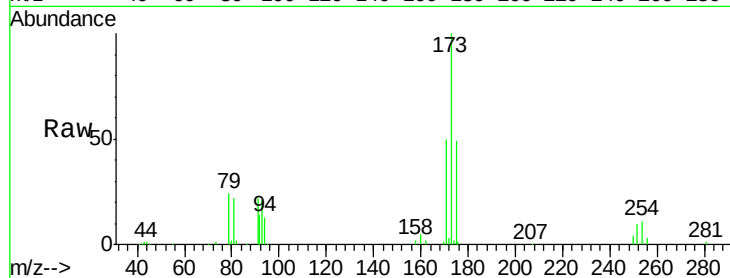
175 48.3 23.8 71.4

254 0.0 0.0 0.0

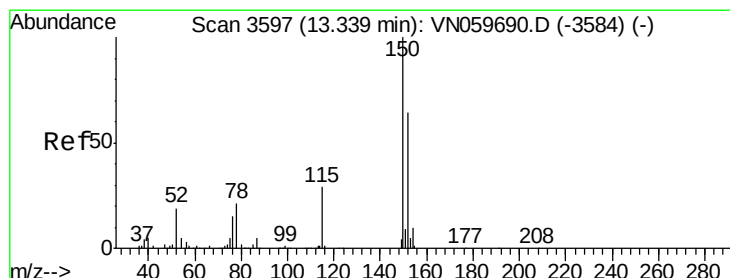
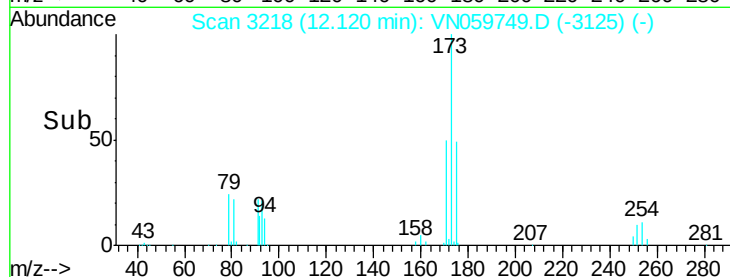
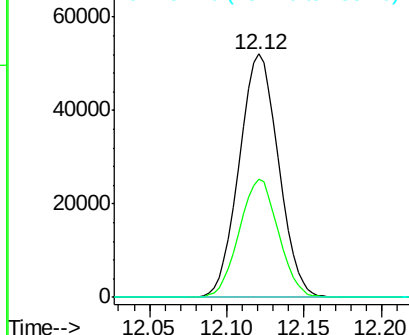
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

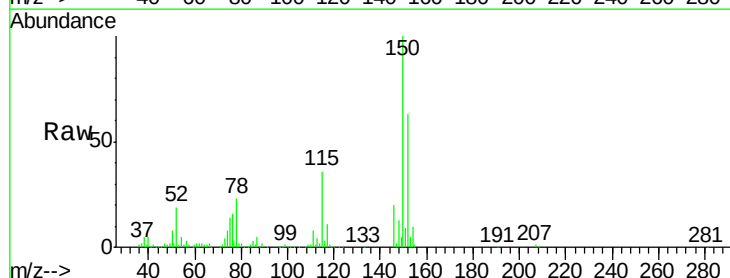
Tgt Ion:152 Resp: 134940

Ion Ratio Lower Upper

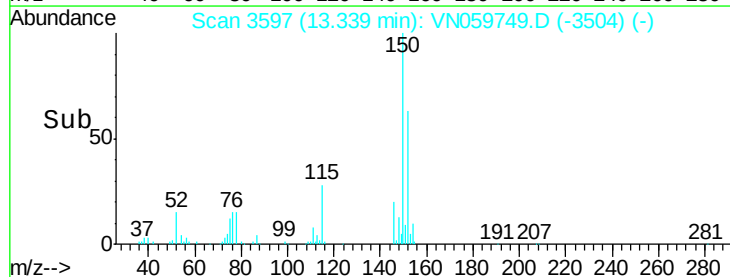
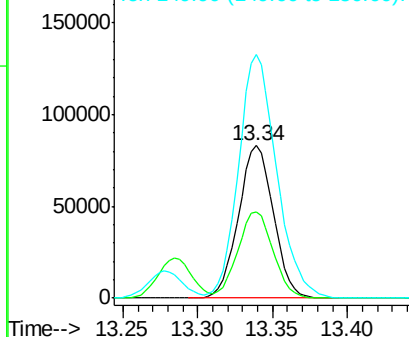
152 100

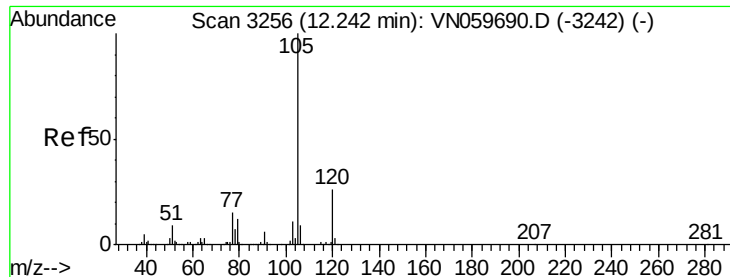
115 57.3 30.3 90.9

150 174.2 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: 51.539 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 510055

Ion Ratio Lower Upper

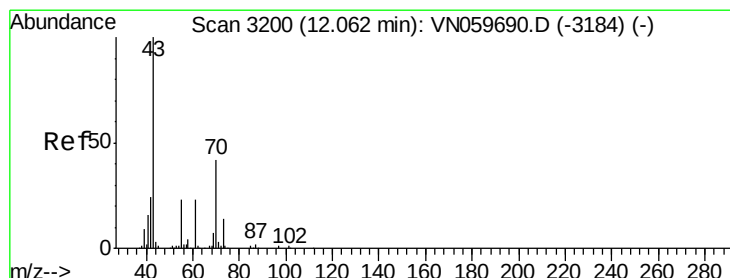
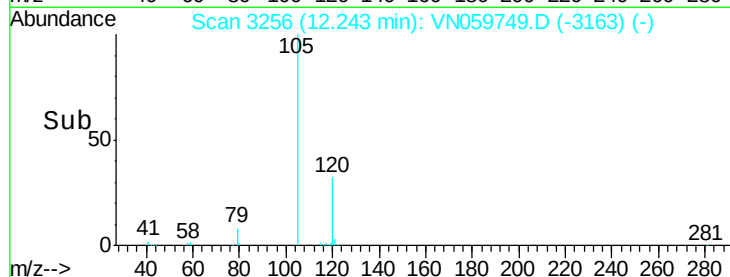
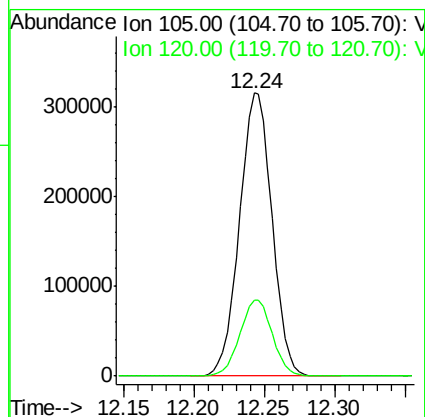
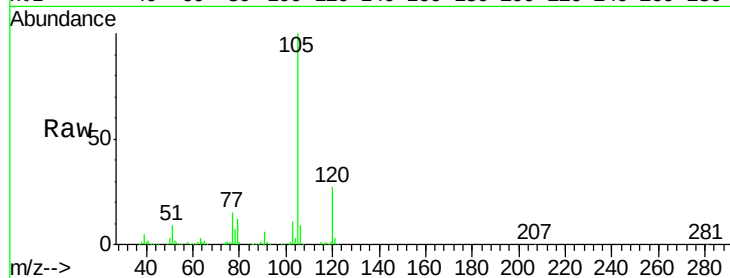
105 100

120 26.8 13.2 39.5

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#74

N-ethyl acetate

Concen: 47.763 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion: 43 Resp: 183415

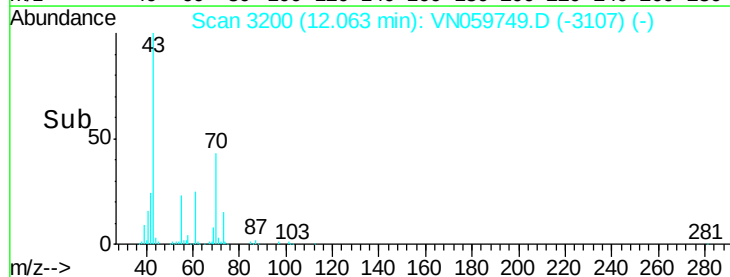
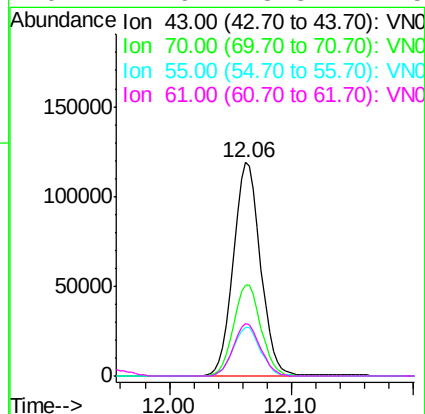
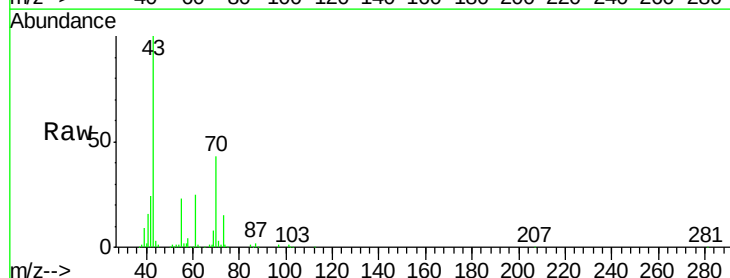
Ion Ratio Lower Upper

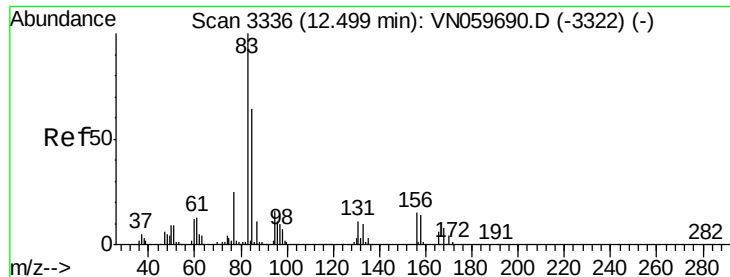
43 100

70 43.4 31.3 46.9

55 23.3 19.8 29.6

61 24.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.717 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

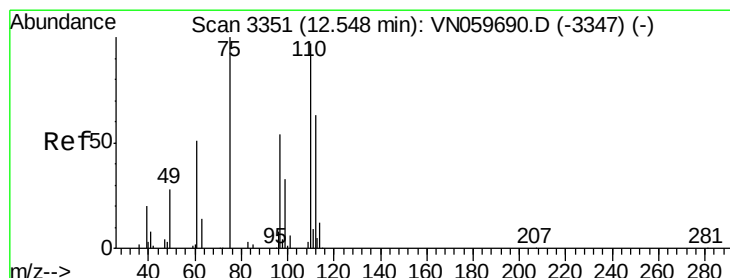
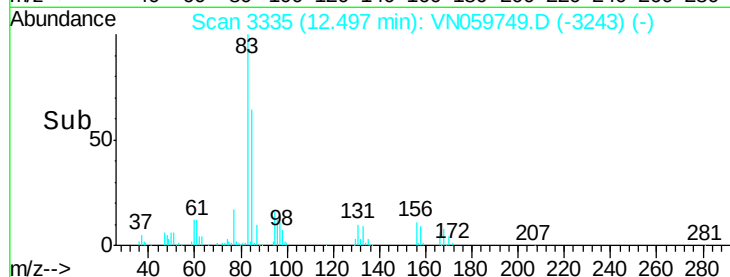
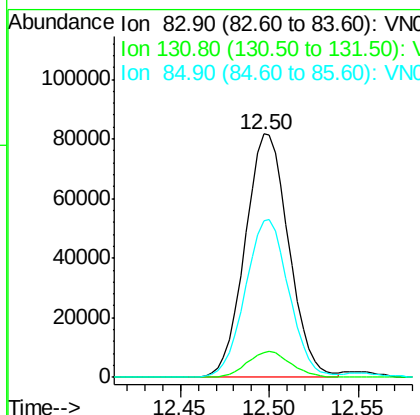
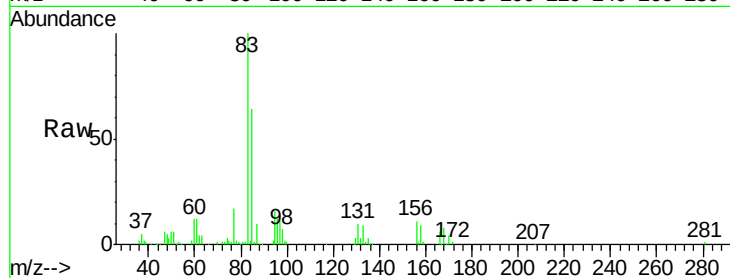
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	139769
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	64.7	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 55.277 ug/l m

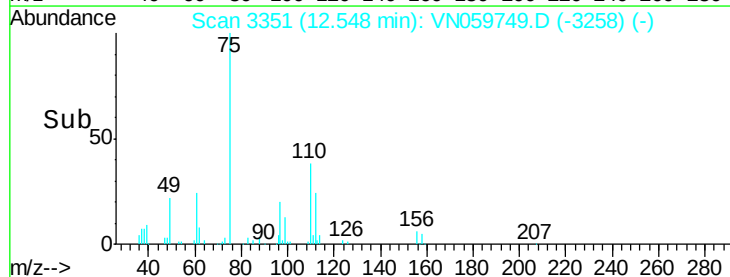
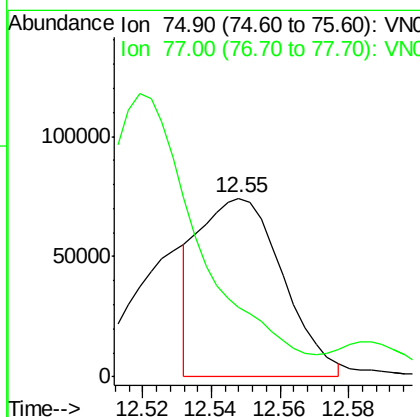
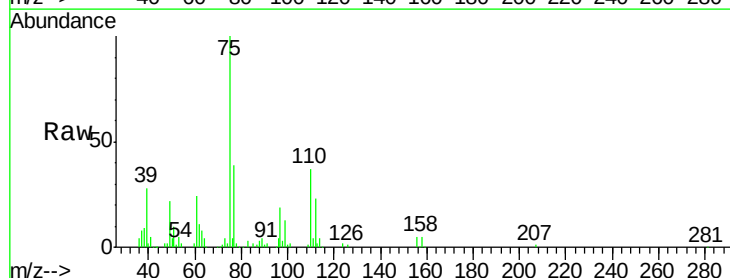
RT: 12.55 min Scan# 3351

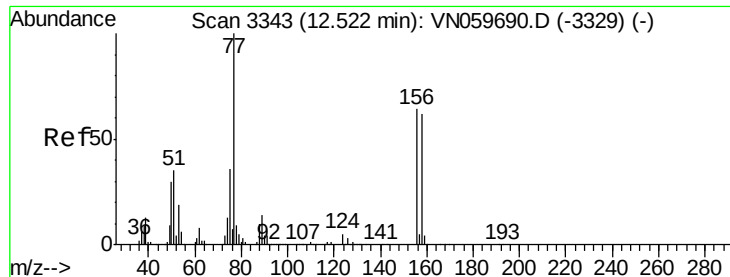
Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion:	75	Resp:	125528
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.253 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

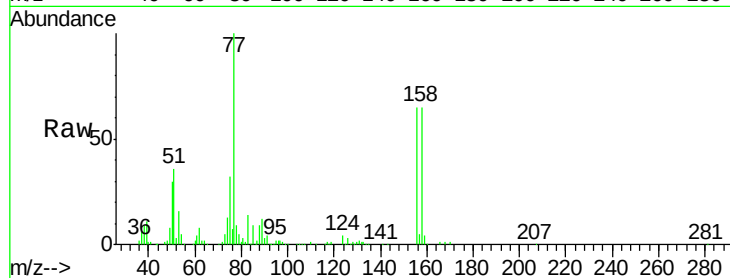
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.6	115.8	347.4
158	97.5	49.2	147.6

Manual Integrations
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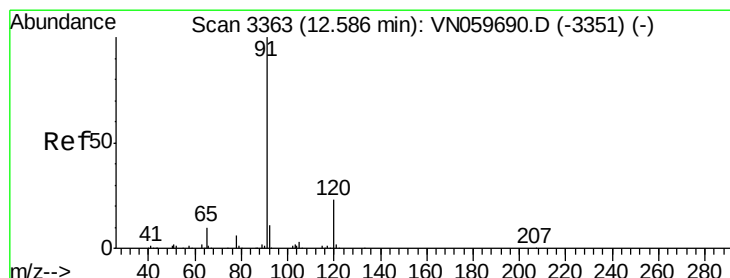
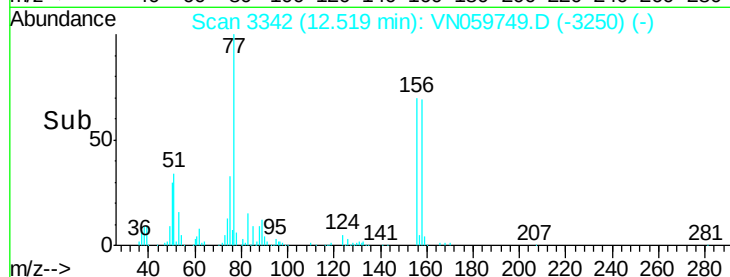
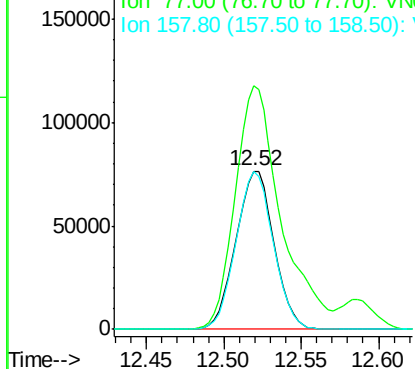
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.051 ug/l

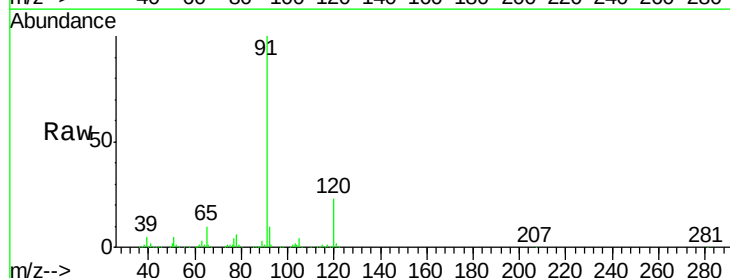
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059749.D

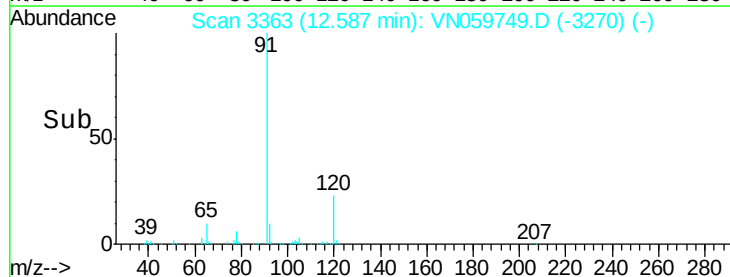
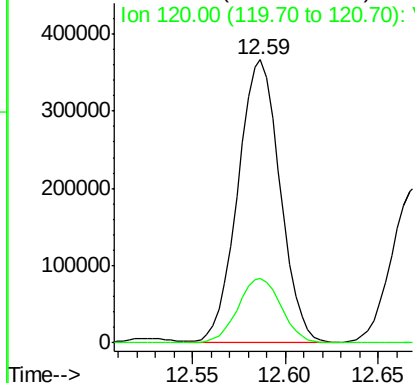
Acq: 17 Jan 2020 9:50

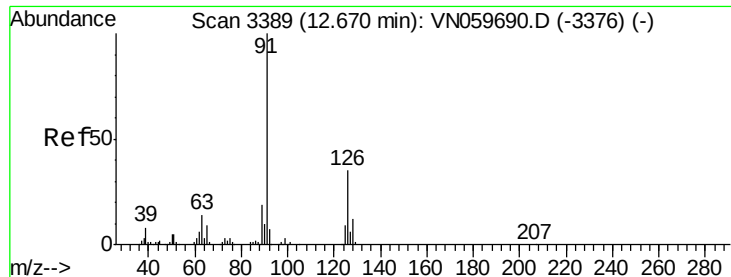
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.703 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 335045

Ion Ratio Lower Upper

91 100

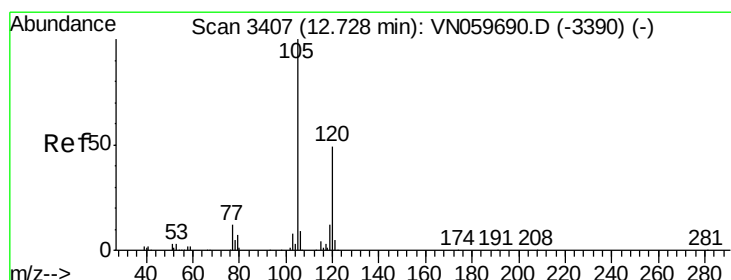
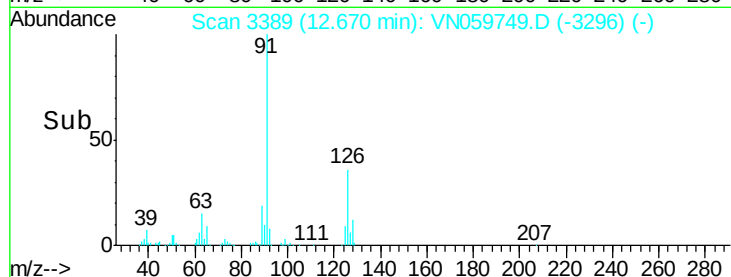
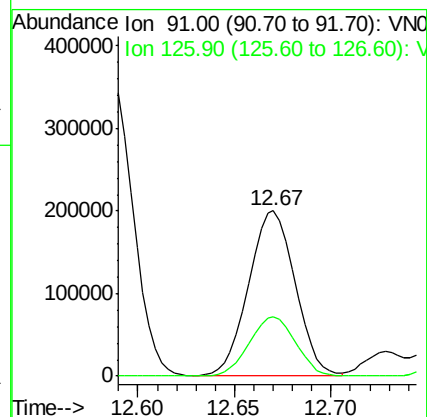
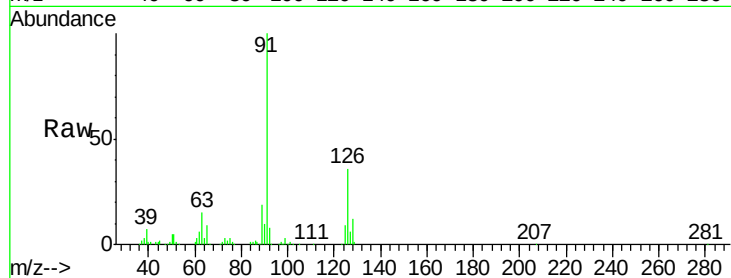
126 35.8 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 51.669 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059749.D

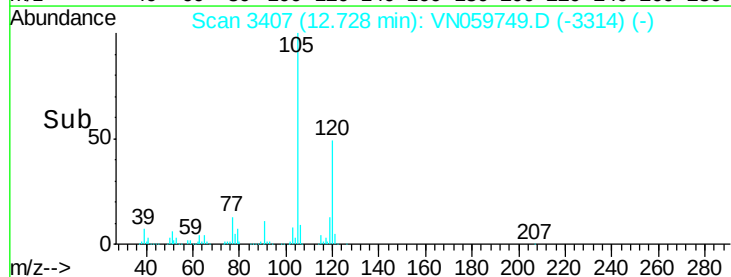
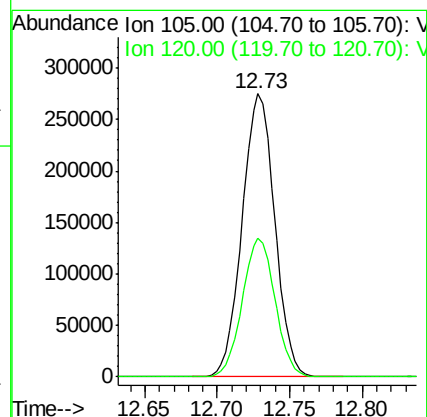
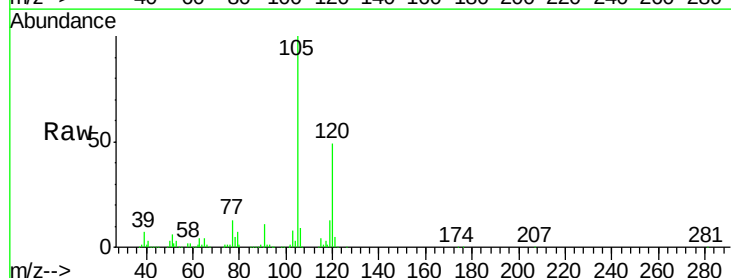
Acq: 17 Jan 2020 9:50

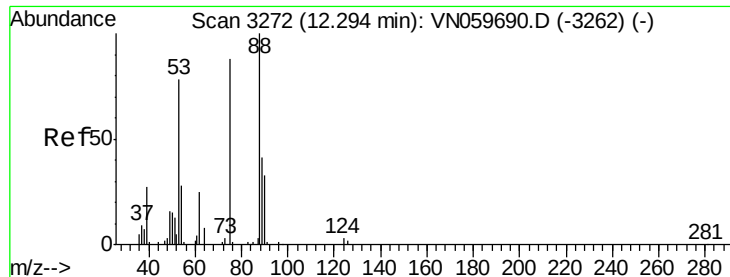
Tgt Ion: 105 Resp: 430033

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.806 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 52668

Ion Ratio Lower Upper

75 100

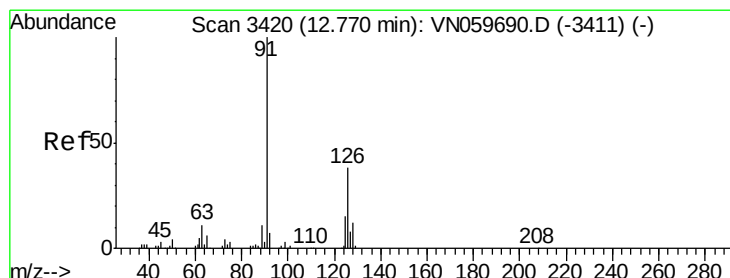
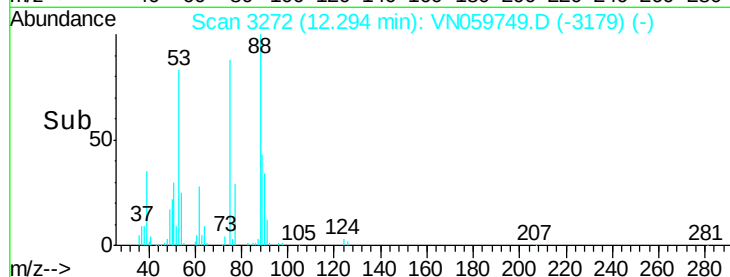
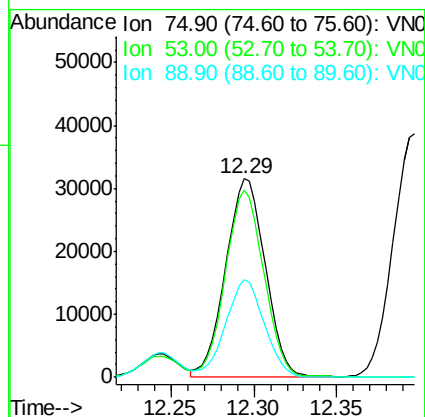
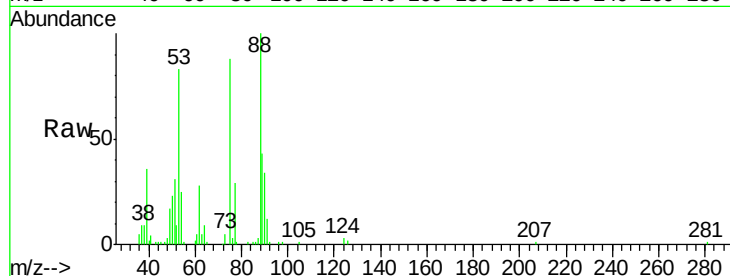
53 91.5 78.1 117.1

89 47.6 35.4 53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.998 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059749.D

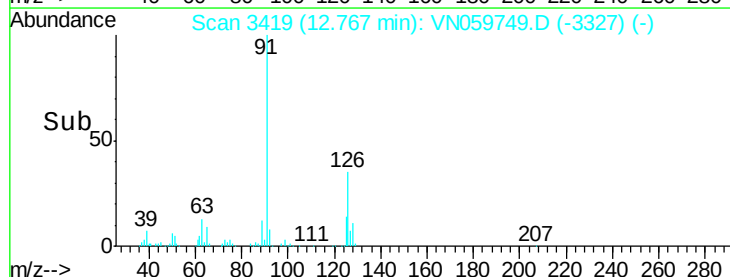
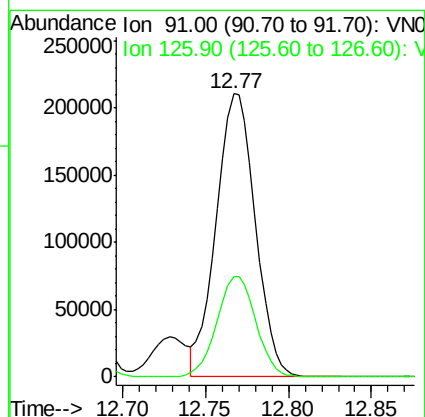
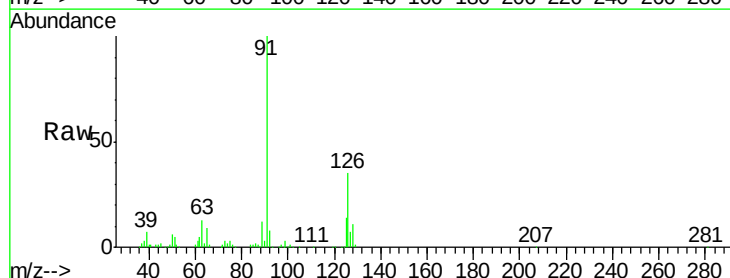
Acq: 17 Jan 2020 9:50

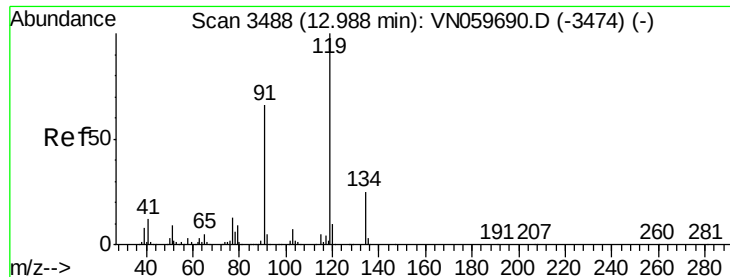
Tgt Ion: 91 Resp: 344639

Ion Ratio Lower Upper

91 100

126 35.5 16.3 48.8





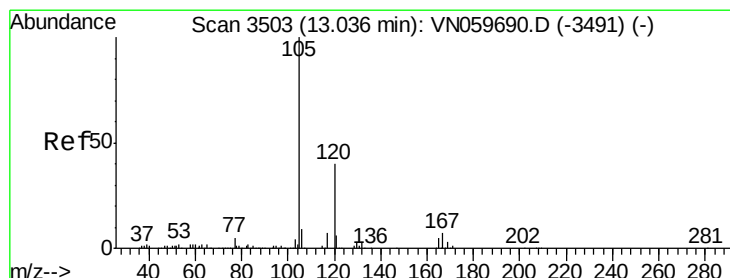
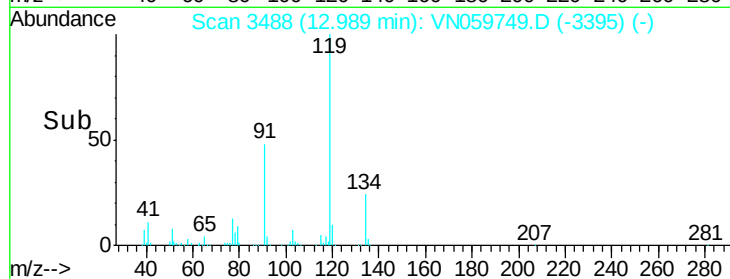
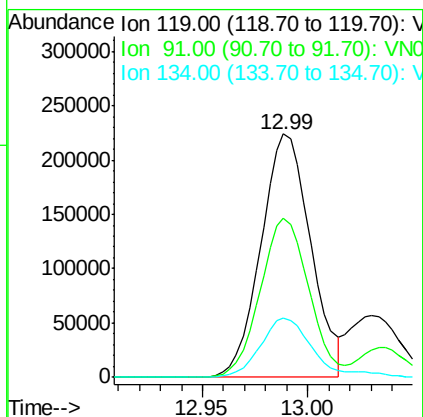
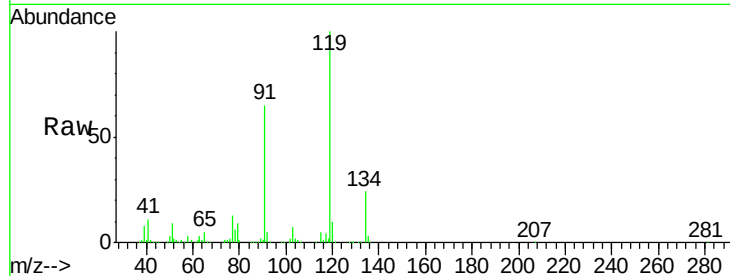
#83
 tert-Butylbenzene
 Concen: 51.159 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	34.8	104.4
134	25.8	12.3	36.9

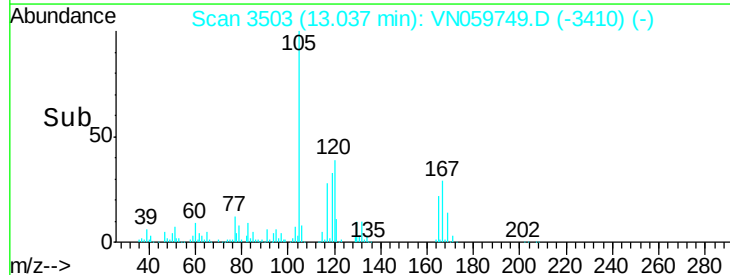
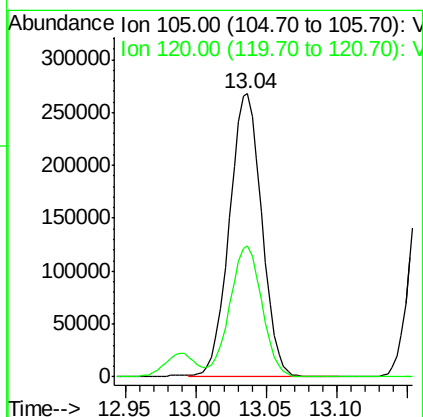
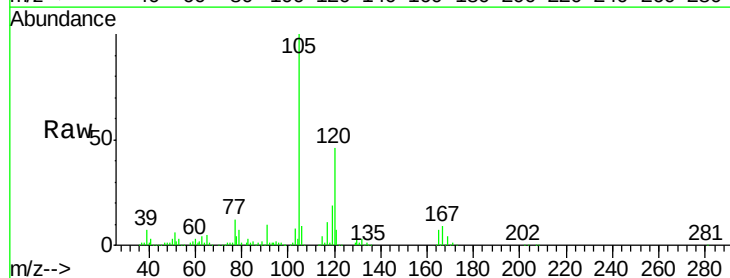
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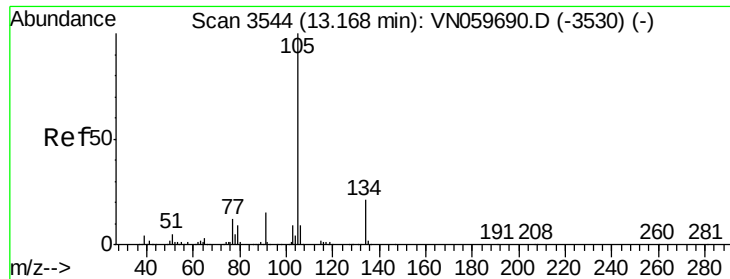
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.196 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9





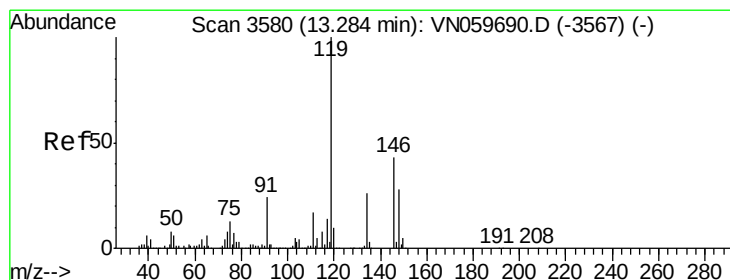
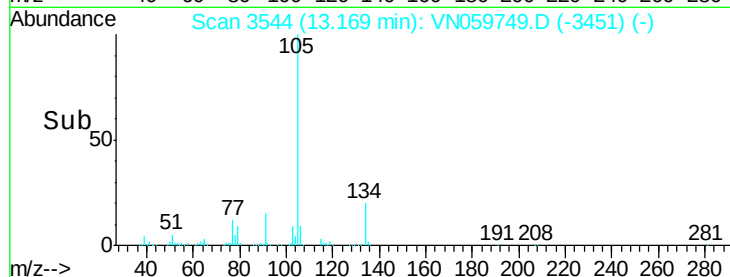
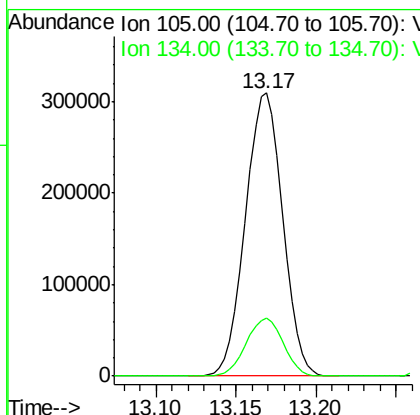
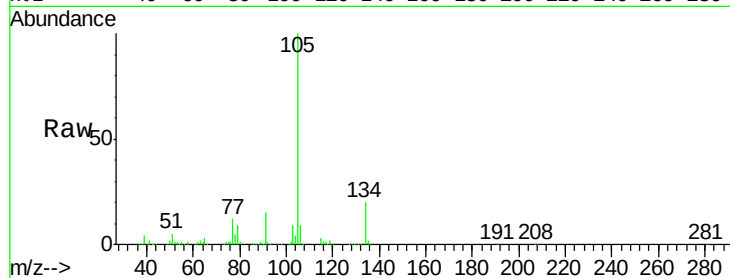
#85
 sec-Butylbenzene
 Concen: 51.978 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	491576		
134	20.4	9.8	29.5	

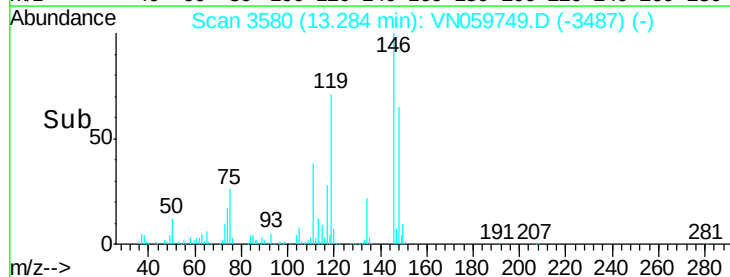
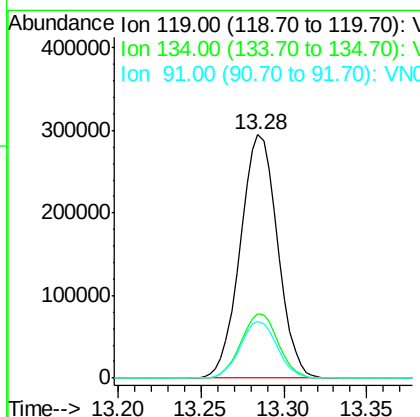
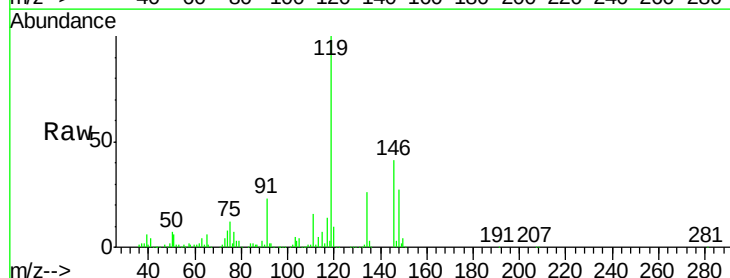
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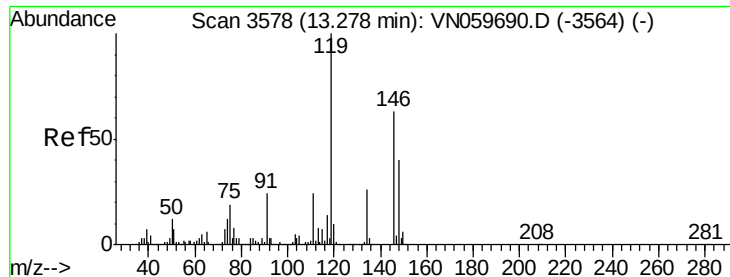
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#86
 p-Isopropyltoluene
 Concen: 52.483 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	459273		
134	26.5	12.9	38.7	
91	23.1	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 54.034 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059749.D

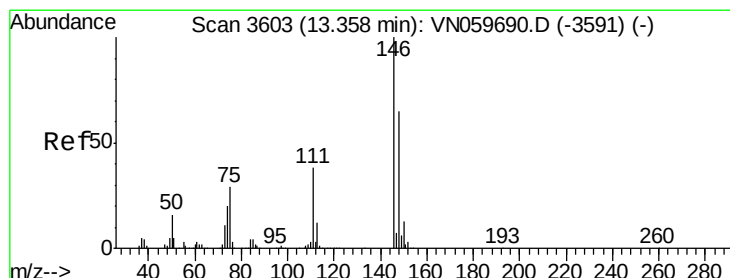
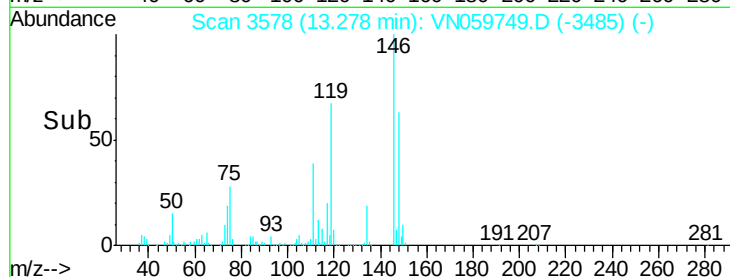
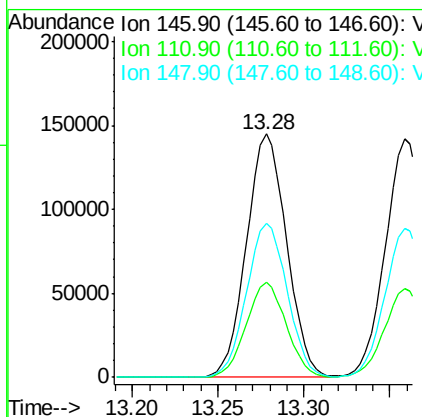
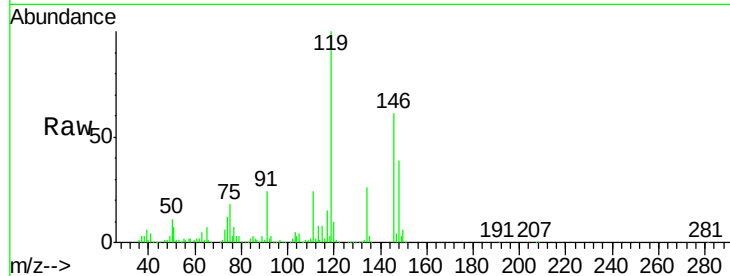
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	64.1	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 53.659 ug/l

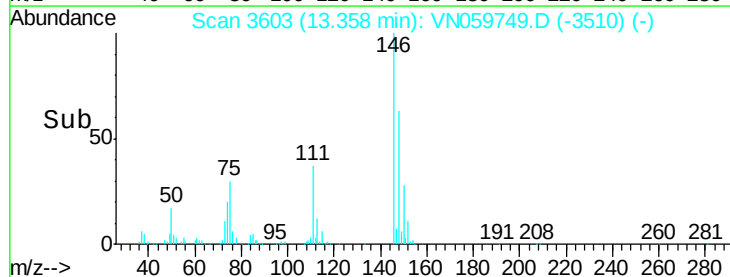
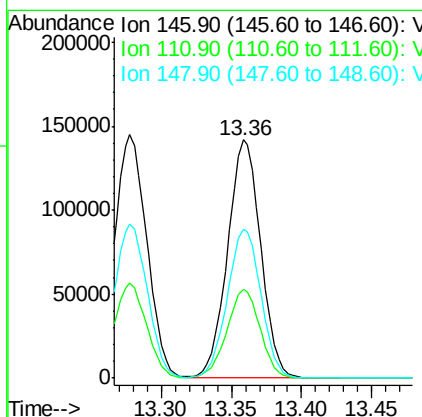
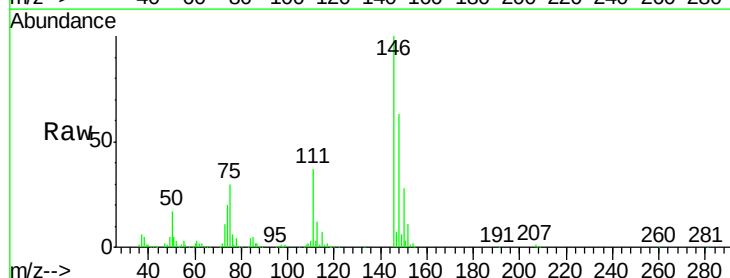
RT: 13.36 min Scan# 3603

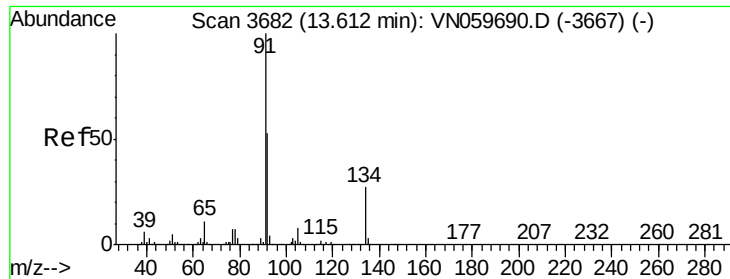
Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.8	62.2
148	63.3	31.8	95.4





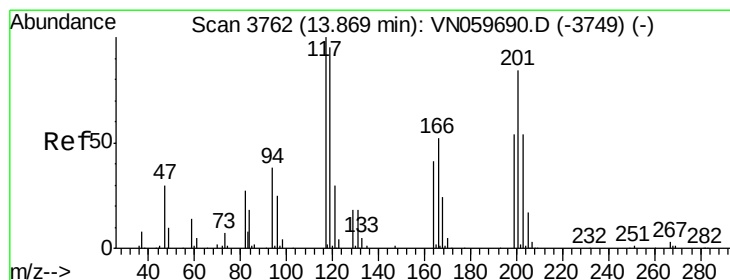
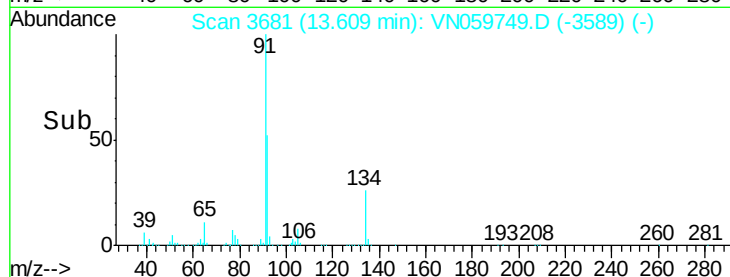
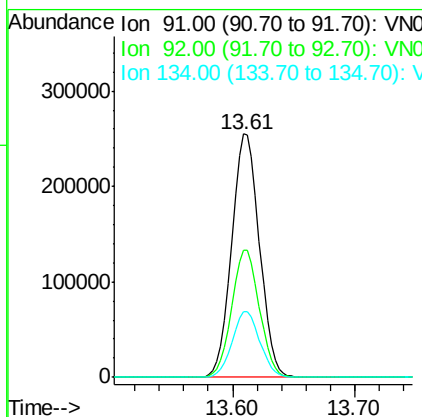
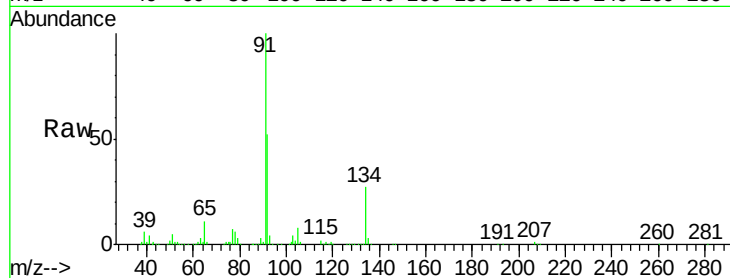
#89
n-Butylbenzene
Concen: 54.075 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	27.0	12.3	36.8

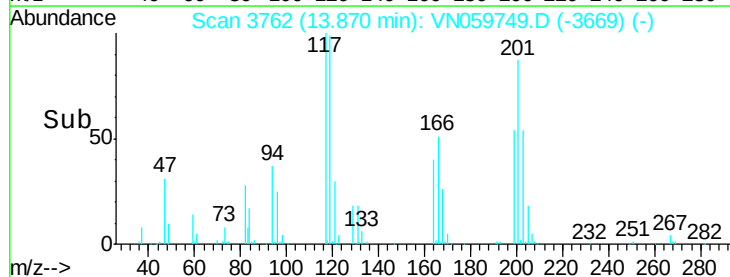
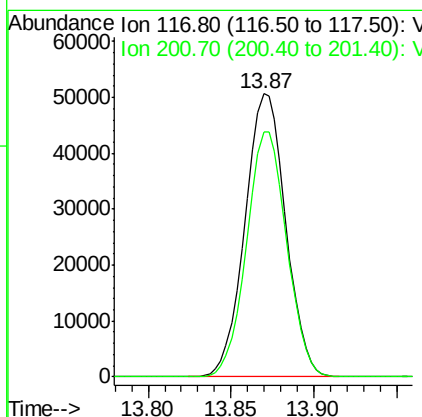
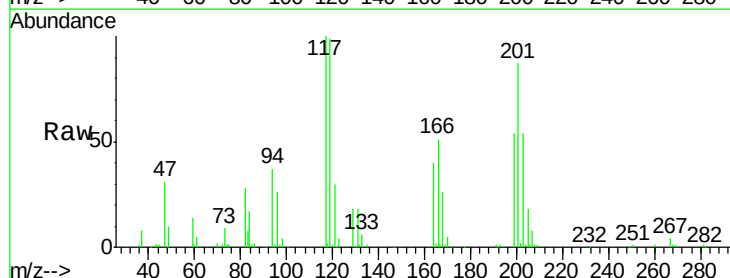
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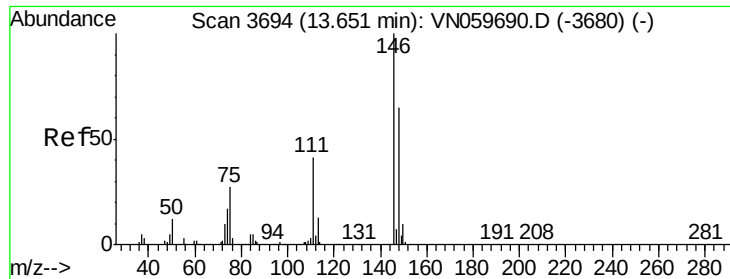
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#90
Hexachloroethane
Concen: 52.738 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059749.D
Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	37.8	113.4





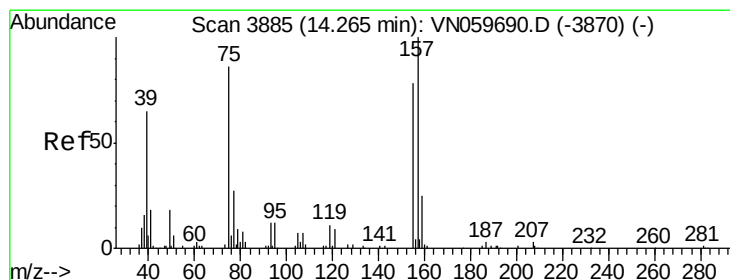
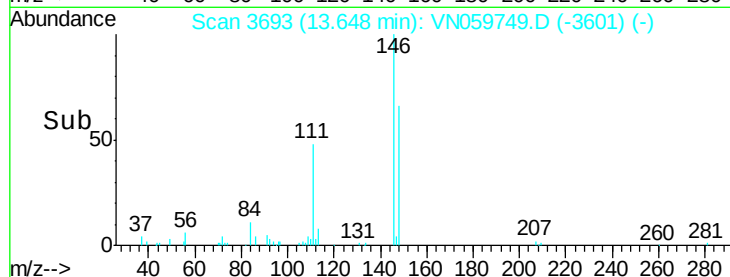
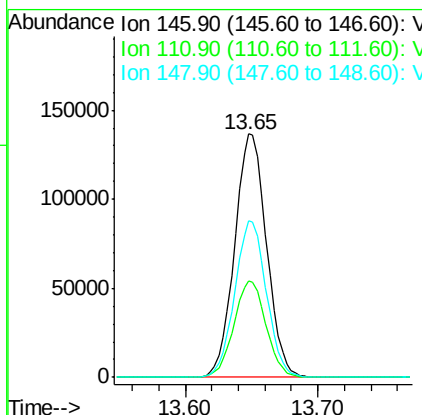
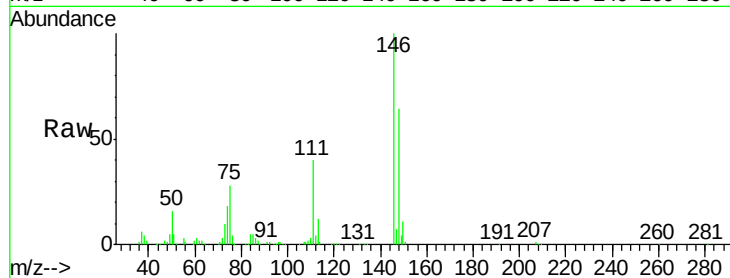
#91
 1,2-Dichlorobenzene
 Concen: 52.964 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	227945		
111	39.8		21.6	64.8
148	63.8		31.6	95.0

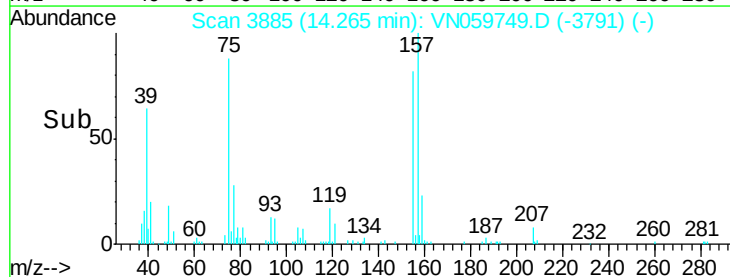
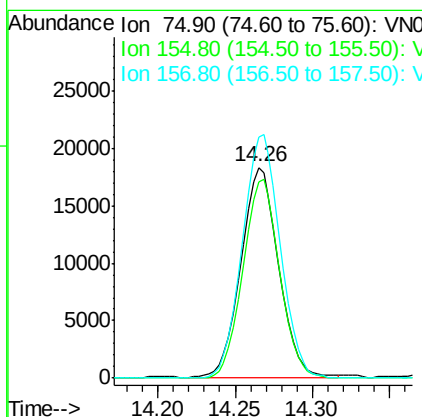
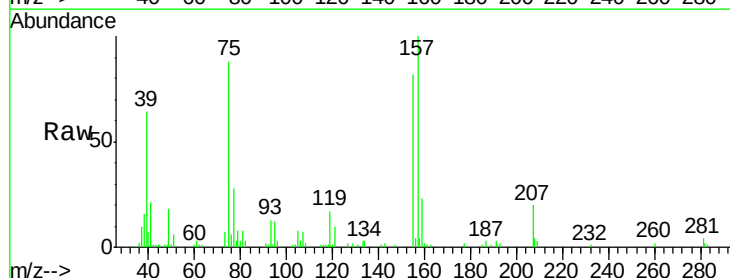
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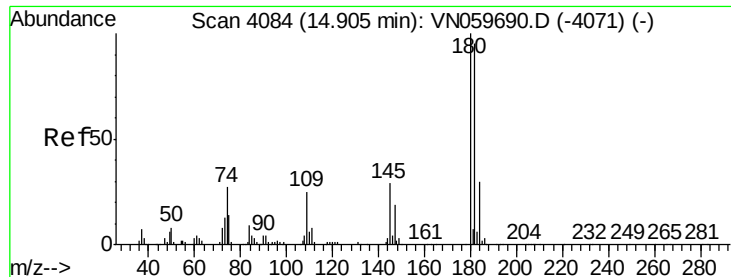
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.787 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31254		
155	91.0		37.0	110.9
157	115.5		48.4	145.2





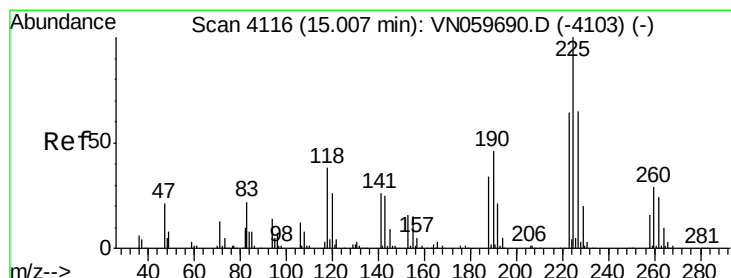
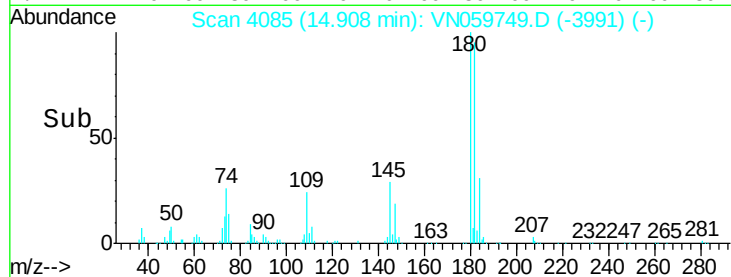
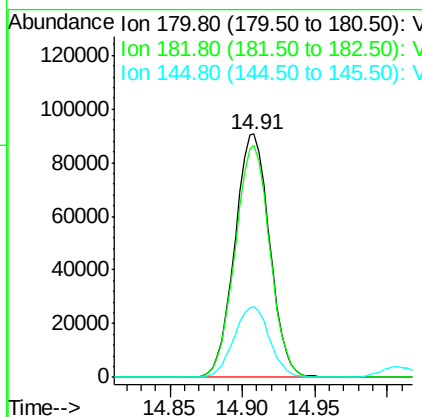
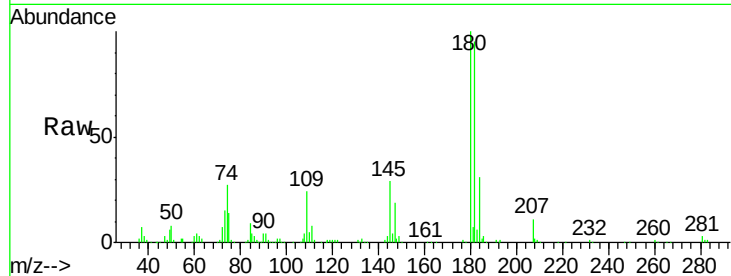
#93
 1,2,4-Trichlorobenzene
 Concen: 58.505 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.7
145	29.8	15.0	45.1

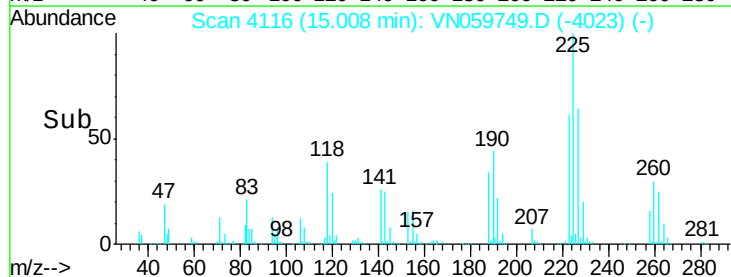
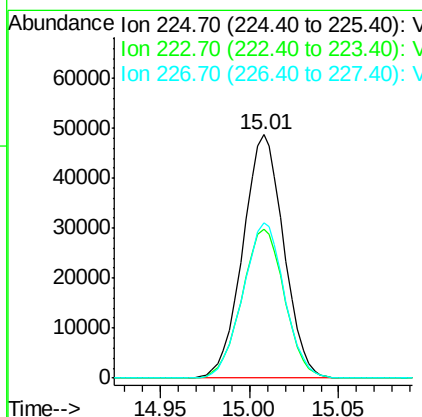
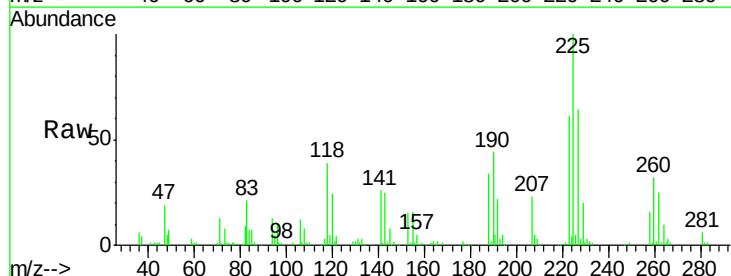
Manual Integrations
 APPROVED

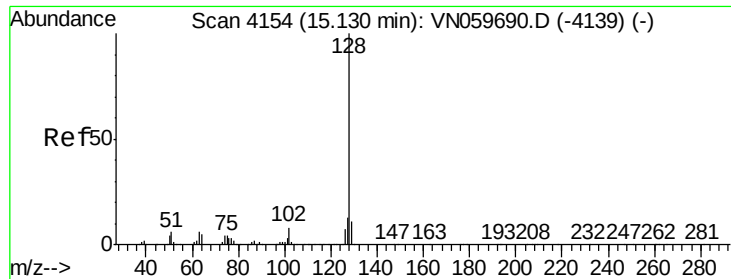
MMDadoda
 1/20/2020 11:11:56 AM



#94
 Hexachlorobutadiene
 Concen: 54.888 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059749.D
 Acq: 17 Jan 2020 9:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.8	95.3
227	64.8	32.1	96.5





#95

Naphthalene

Concen: 53.275 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Instrument :

MSVOA_N

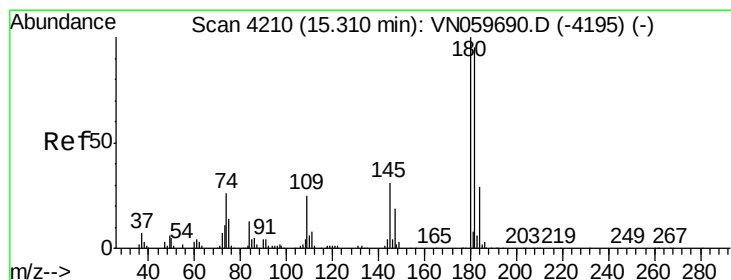
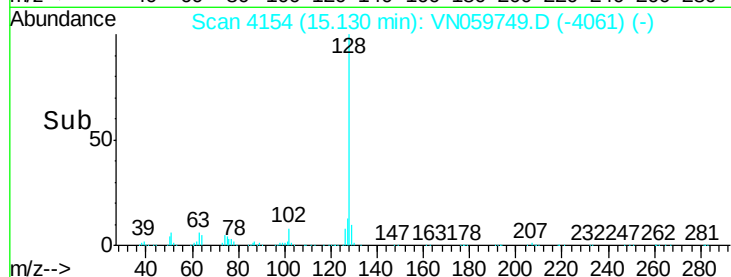
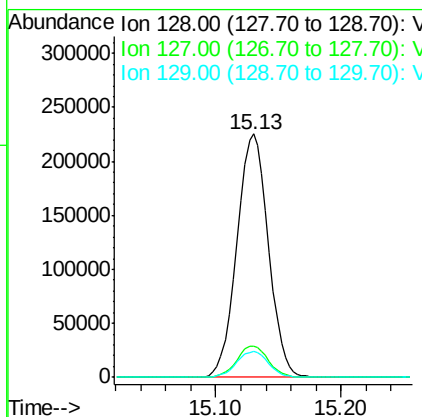
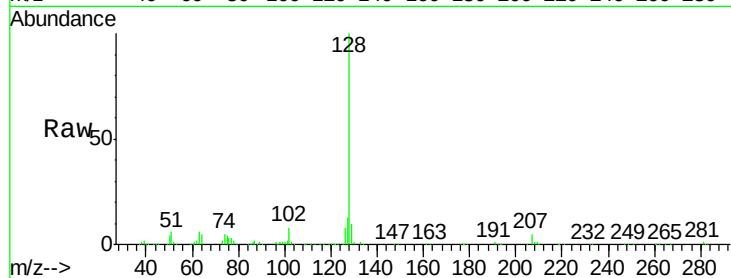
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	391876
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:11:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.889 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059749.D

Acq: 17 Jan 2020 9:50

Tgt Ion:	180	Resp:	140681
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.4	142.3
145	31.7	16.3	48.9

