

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059724.D
 Acq On : 16 Jan 2020 11:49
 Operator : JC/MD
 Sample : VN0116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 1:52:55 PM

Quant Time: Jan 17 07:03:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	217453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	114429	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.56	113	98519	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.08	98	373828	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	130737	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	45237	17.303	ug/l	97
3) Chloromethane	2.04	50	41730	16.762	ug/l	99
4) Vinyl Chloride	2.17	62	50345	17.674	ug/l	99
5) Bromomethane	2.54	94	30753	17.691	ug/l	100
6) Chloroethane	2.68	64	23582	17.499	ug/l	98
7) Trichlorofluoromethane	3.00	101	60249	17.612	ug/l	98
8) Diethyl Ether	3.38	74	20861	17.377	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34398	18.067	ug/l	91
10) Methyl Iodide	3.93	142	52110	16.933	ug/l	95
11) Tert butyl alcohol	4.73	59	32178	79.153	ug/l #	93
12) 1,1-Dichloroethene	3.72	96	33278	16.727	ug/l	87
13) Acrolein	3.58	56	13961	48.514	ug/l	99
14) Allyl chloride	4.29	41	50745	18.924	ug/l #	95
15) Acrylonitrile	4.94	53	75995	81.950	ug/l	99
16) Acetone	3.78	43	68246	75.887	ug/l	96
17) Carbon Disulfide	4.03	76	94739	16.717	ug/l	99
18) Methyl Acetate	4.29	43	45292	16.057	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	110965	17.107	ug/l	94
20) Methylene Chloride	4.52	84	36574	15.856	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	36552	17.284	ug/l	84
22) Diisopropyl ether	5.91	45	101160	16.647	ug/l #	94
23) Vinyl Acetate	5.86	43	389486	82.781	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	62640	16.870	ug/l	96
25) 2-Butanone	6.80	43	101683	74.355	ug/l #	86
26) 2,2-Dichloropropane	6.79	77	59871	16.772	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	42461	17.457	ug/l	86
28) Bromochloromethane	7.17	49	29791	20.074	ug/l #	70
29) Tetrahydrofuran	7.18	42	64563	76.305	ug/l #	86
30) Chloroform	7.35	83	66625	17.317	ug/l	99
31) Cyclohexane	7.63	56	58643	16.413	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	61390	17.258	ug/l	95
36) 1,1-Dichloropropene	7.77	75	49635	17.413	ug/l	96
37) Ethyl Acetate	6.90	43	41423	15.494	ug/l #	96
38) Carbon Tetrachloride	7.75	117	54724	17.649	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	61474	17.491	ug/l	91
40) Benzene	8.02	78	146836	17.273	ug/l	100
41) Methacrylonitrile	7.16	41	23623m	17.940	ug/l	
42) 1,2-Dichloroethane	8.10	62	50614	17.561	ug/l	96
43) Isopropyl Acetate	8.14	43	73308	15.942	ug/l #	93
44) Trichloroethene	8.82	130	42905	18.488	ug/l	92
45) 1,2-Dichloropropane	9.10	63	36849	17.517	ug/l	98
46) Dibromomethane	9.19	93	26108	17.595	ug/l	90
47) Bromodichloromethane	9.39	83	53634	17.936	ug/l	98
48) Methyl methacrylate	9.18	41	33157	16.120	ug/l	91
49) 1,4-Dioxane	9.18	88	13410	356.142	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	211602	79.604	ug/l	94
52) Toluene	10.14	92	94021	17.510	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	57139	17.113	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	61775	17.584	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	36756	17.283	ug/l	98
56) Ethyl methacrylate	10.42	69	53825	16.564	ug/l	91
57) 1,3-Dichloropropane	10.70	76	60617	17.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	91882	93.875	ug/l #	89
59) 2-Hexanone	10.74	43	152439	77.842	ug/l	94
60) Dibromochloromethane	10.89	129	42498	17.548	ug/l	100
61) 1,2-Dibromoethane	10.99	107	39059	17.523	ug/l	100
64) Tetrachloroethene	10.62	164	40841	16.985	ug/l	94
65) Chlorobenzene	11.43	112	102497	17.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40062	17.879	ug/l	99
67) Ethyl Benzene	11.50	91	183390	17.421	ug/l	97
68) m/p-Xylenes	11.62	106	141637	35.619	ug/l	92
69) o-Xylene	11.94	106	68048	17.480	ug/l	95
70) Styrene	11.96	104	112611	17.287	ug/l	97
71) Bromoform	12.12	173	31064	17.308	ug/l #	99
73) Isopropylbenzene	12.25	105	182405	17.656	ug/l	100
74) N-amyl acetate	12.07	43	62596	15.615	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	50822	16.969	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	46319m	19.539	ug/l	
77) Bromobenzene	12.52	156	46588	17.808	ug/l	80
78) n-propylbenzene	12.59	91	202567	17.469	ug/l	96
79) 2-Chlorotoluene	12.67	91	119209	17.281	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	153221	17.635	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17428	15.788	ug/l	92
82) 4-Chlorotoluene	12.77	91	120131	17.363	ug/l	94
83) tert-Butylbenzene	12.99	119	134009	17.834	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	152030	17.687	ug/l	98
85) sec-Butylbenzene	13.17	105	174509	17.676	ug/l	99
86) p-Isopropyltoluene	13.28	119	160269	17.544	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	80257	17.660	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	80316	17.716	ug/l	97
89) n-Butylbenzene	13.61	91	135700	17.422	ug/l	98
90) Hexachloroethane	13.87	117	29439	17.224	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	79453	17.685	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10783	15.326	ug/l	83

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Quant Title : SW846 8260
QLast Update : Tue Jan 14 08:58:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47735	17.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	27515	18.496	ug/l	99
95) Naphthalene	15.13	128	123510	16.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45868	17.456	ug/l	99

(#) = 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: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion:168 Resp: 217453

Ion Ratio Lower Upper

168 100

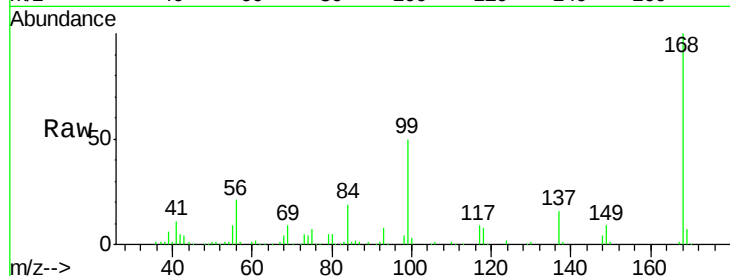
99 49.9 48.2 72.4

Manual Integrations

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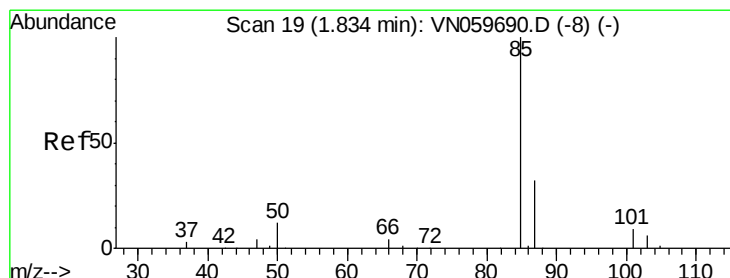
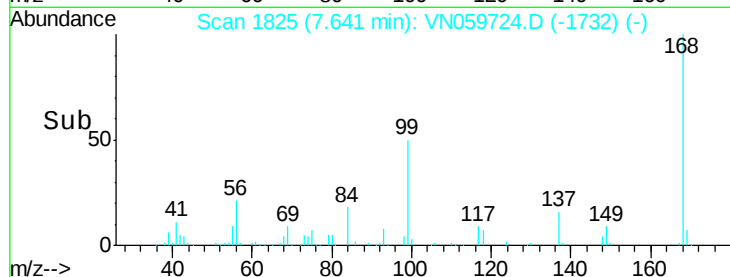
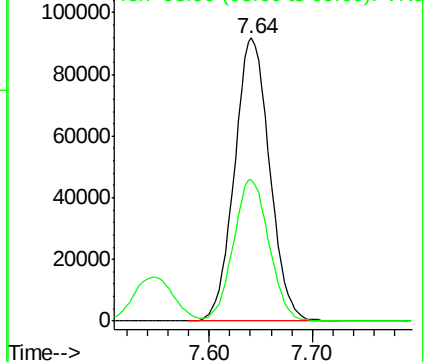
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.303 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059724.D

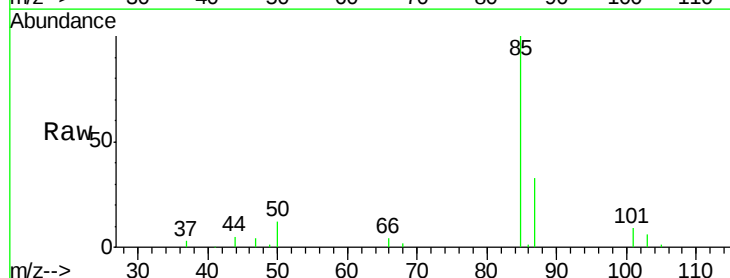
Acq: 16 Jan 2020 11:49

Tgt Ion: 85 Resp: 45237

Ion Ratio Lower Upper

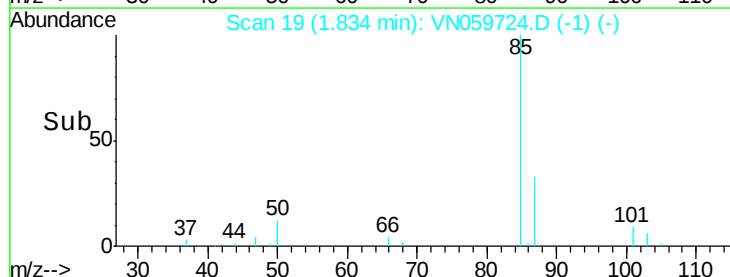
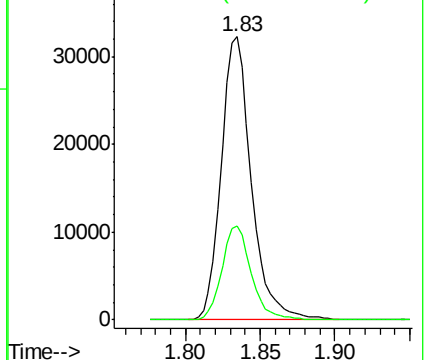
85 100

87 33.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.762 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 50 Resp: 41730

Ion Ratio Lower Upper

50 100

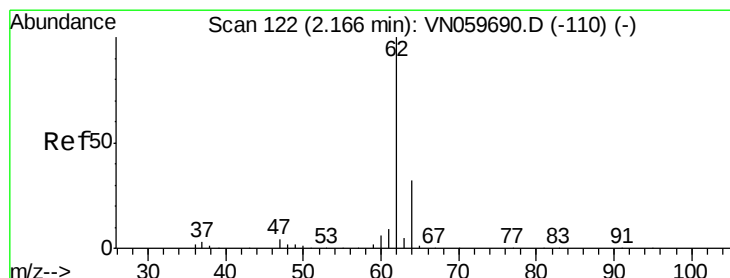
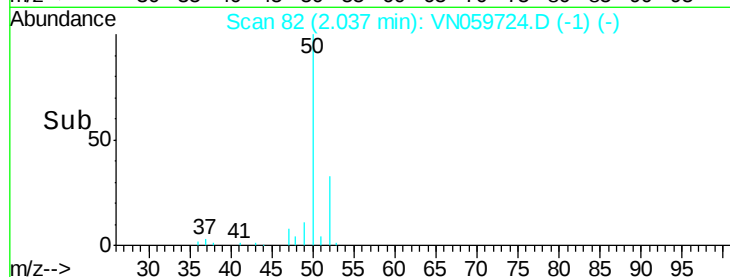
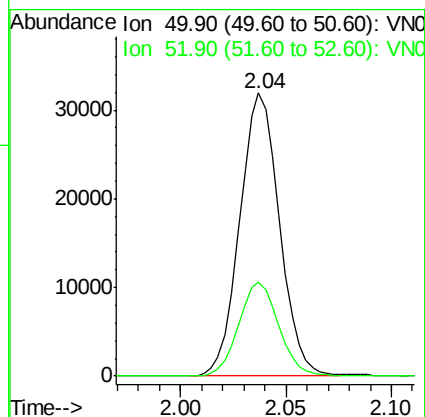
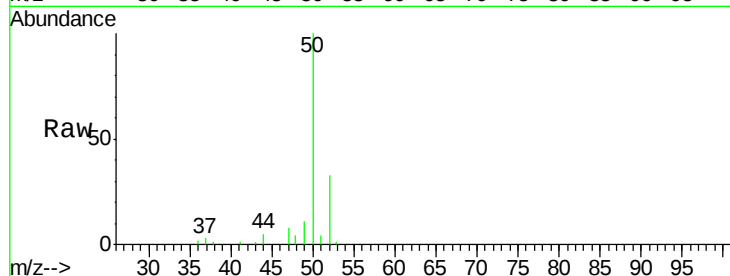
52 33.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.674 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059724.D

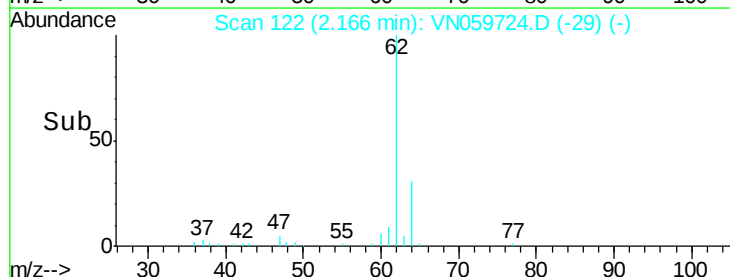
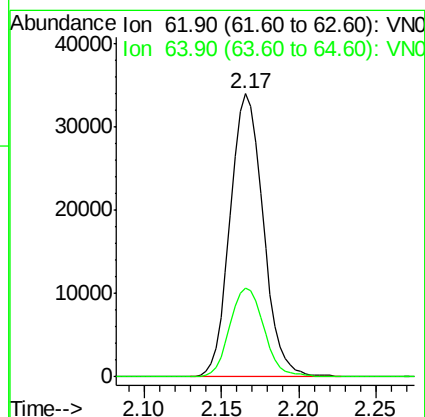
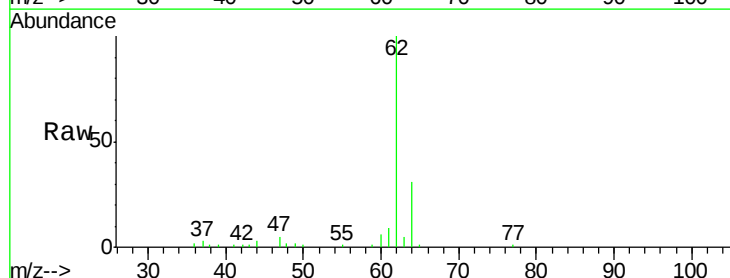
Acq: 16 Jan 2020 11:49

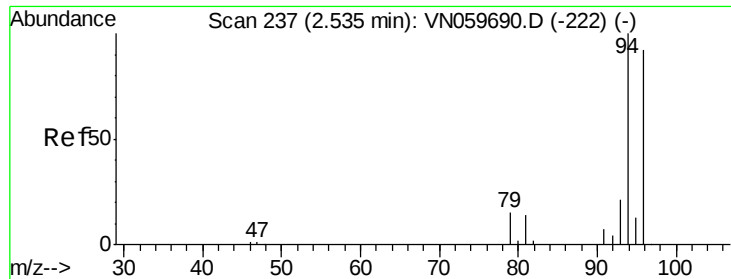
Tgt Ion: 62 Resp: 50345

Ion Ratio Lower Upper

62 100

64 31.2 24.6 37.0





#5

Bromomethane

Concen: 17.691 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 94 Resp: 30753

Ion Ratio Lower Upper

94 100

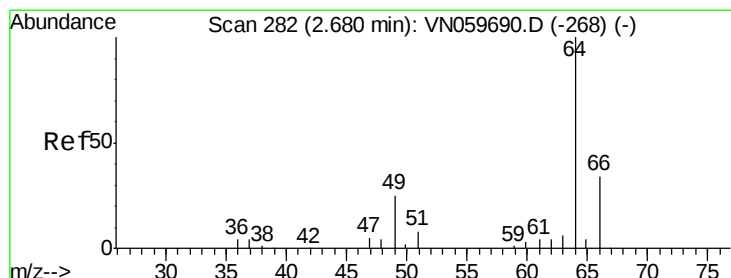
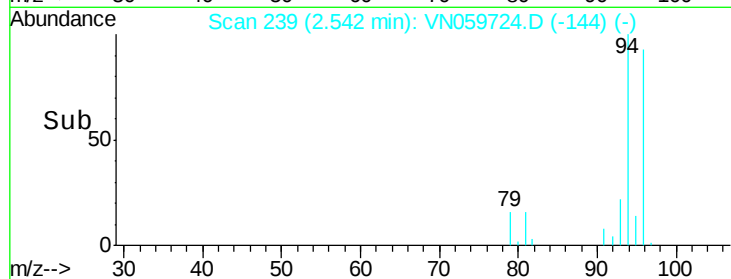
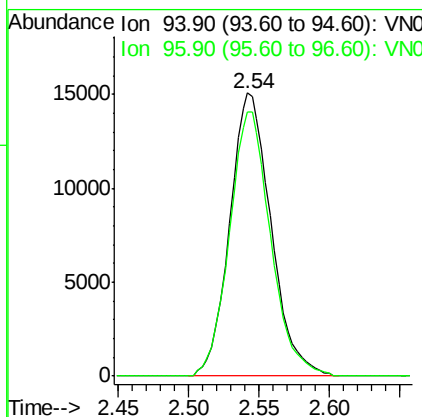
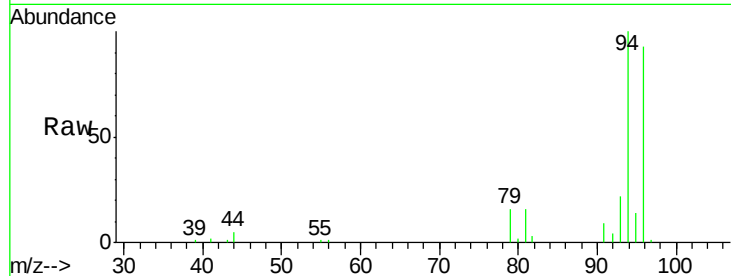
96 93.4 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 17.499 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059724.D

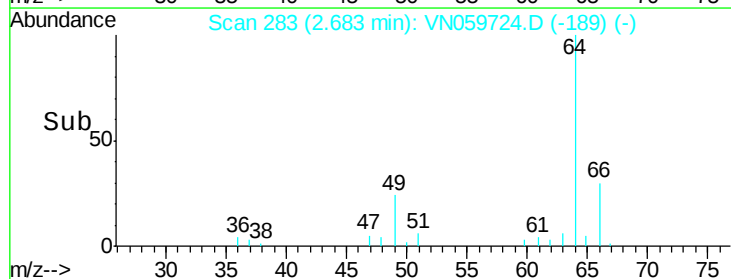
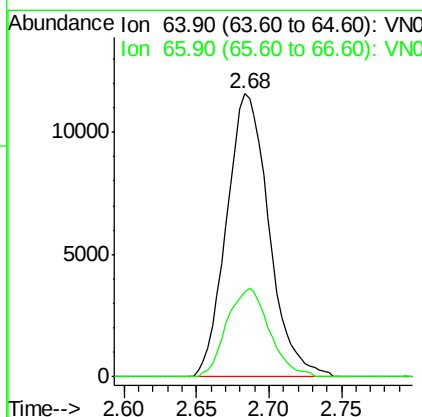
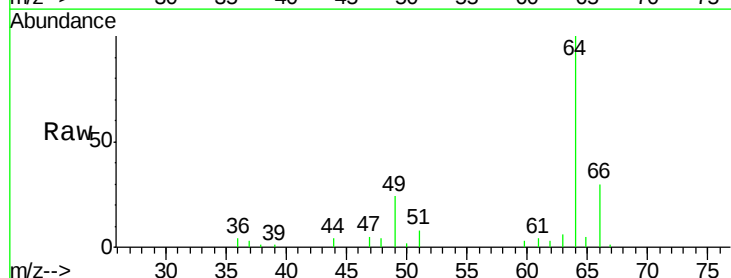
Acq: 16 Jan 2020 11:49

Tgt Ion: 64 Resp: 23582

Ion Ratio Lower Upper

64 100

66 30.1 25.1 37.7





#7

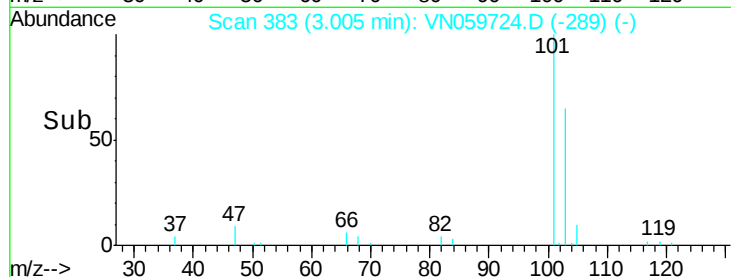
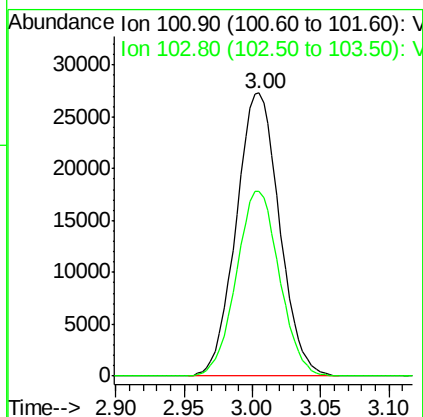
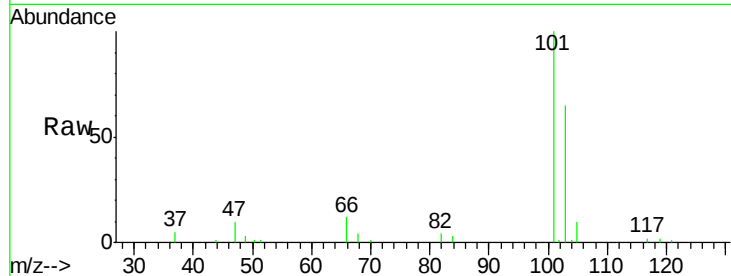
Trichlorofluoromethane
 Concen: 17.612 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
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 VN0116WBS01

Tot Ion:101 Resp: 60249
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.0 76.6

Manual Integrations
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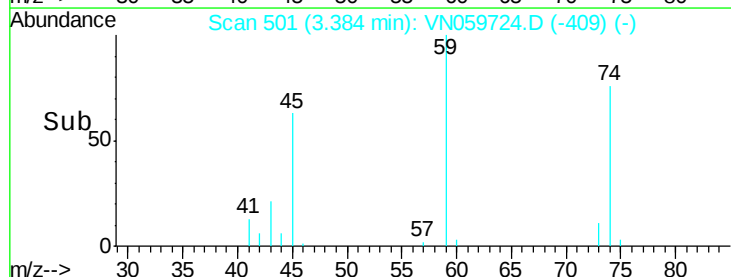
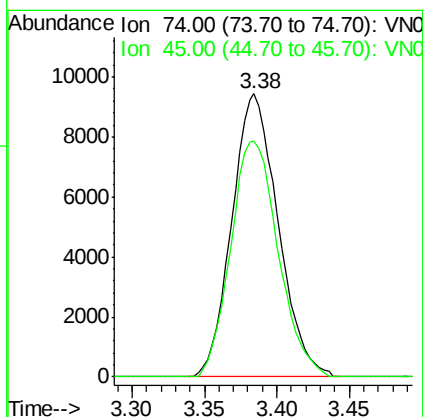
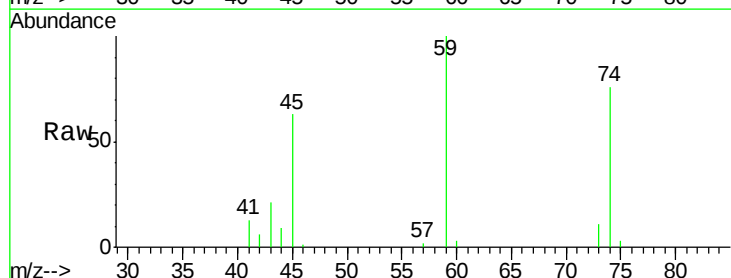
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#8

Diethyl Ether
 Concen: 17.377 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion: 74 Resp: 20861
 Ion Ratio Lower Upper
 74 100
 45 85.6 51.9 155.8





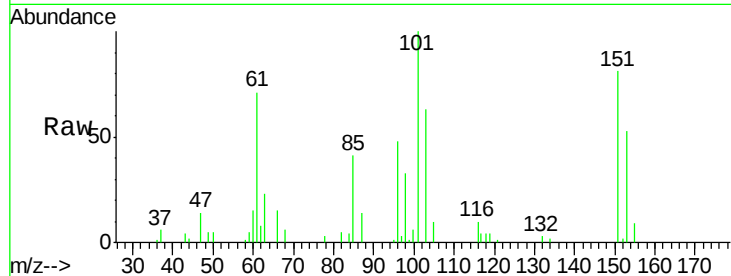
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.067 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	36.6	54.8
151	84.4	59.7	89.5

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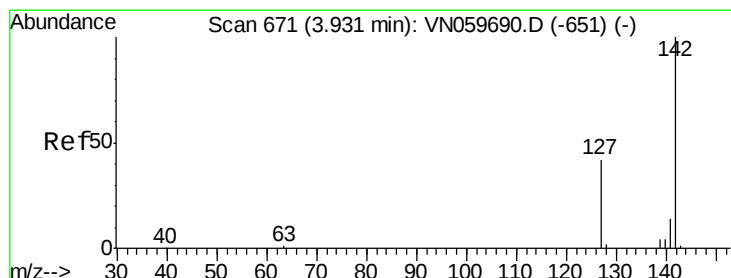
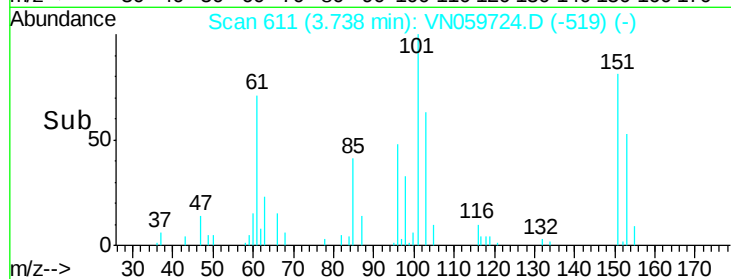
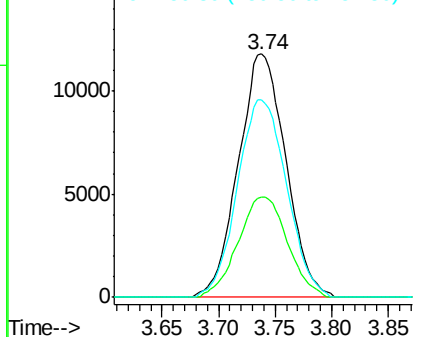


Abundance

Ion 100.90 (100.60 to 101.60): V

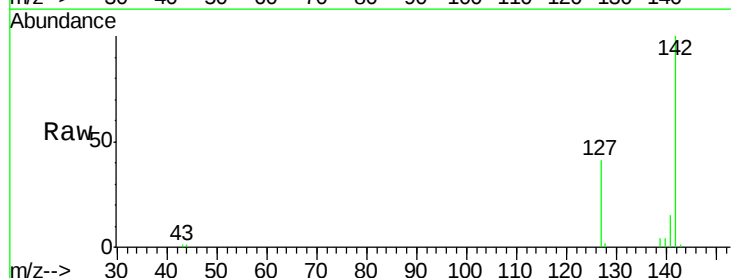
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 16.933 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.3	36.7	55.1
141	14.2	11.7	17.5

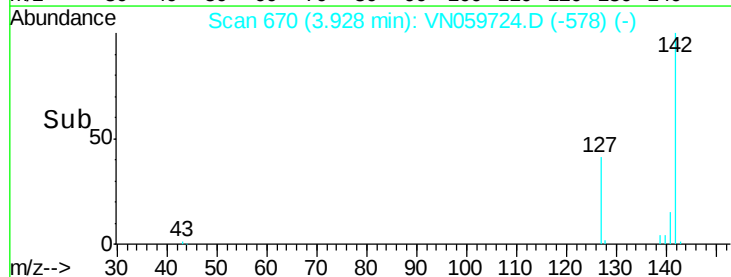
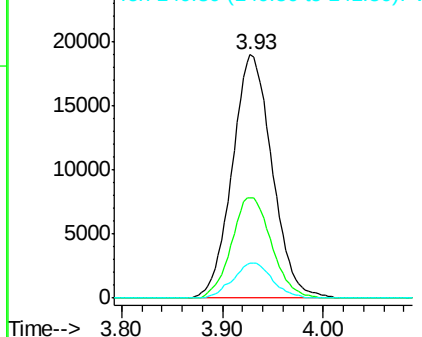


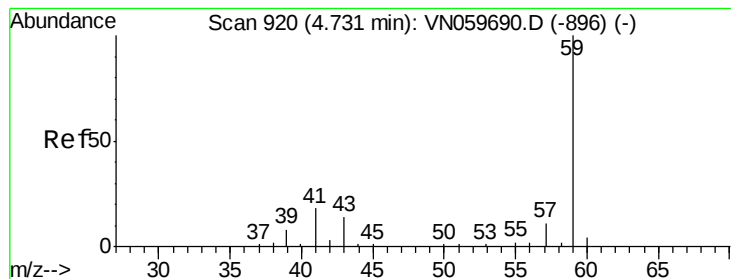
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

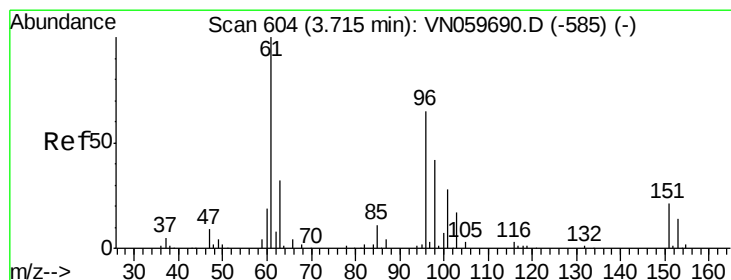
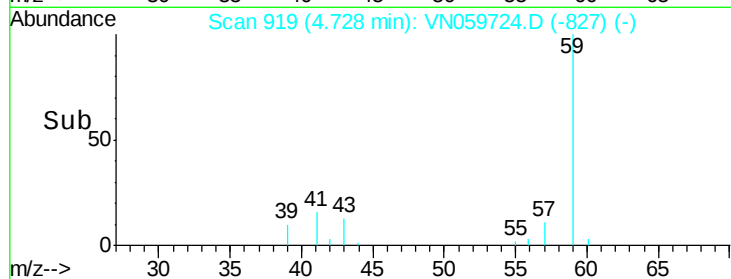
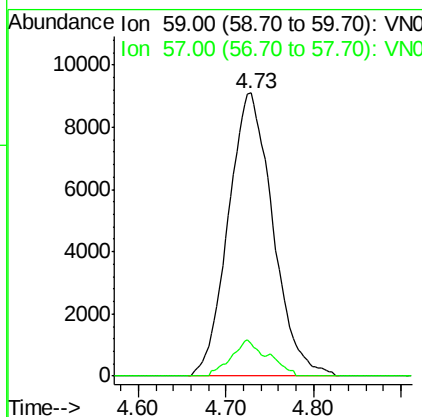
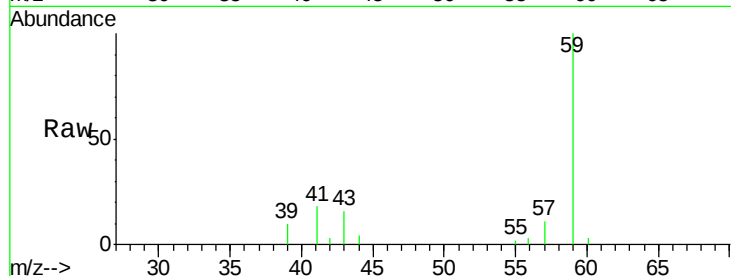
Tert butyl alcohol
 Concen: 79.153 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.6	12.8#

Manual Integrations
 APPROVED

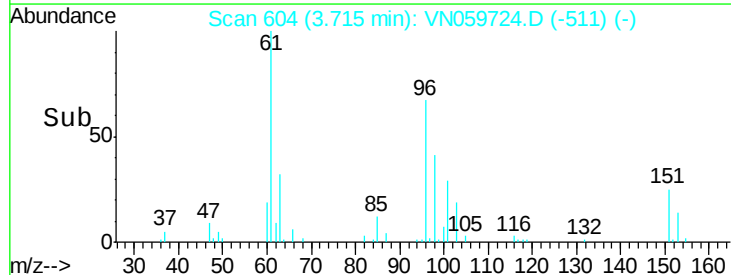
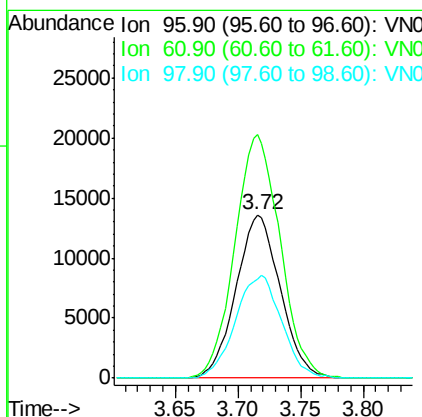
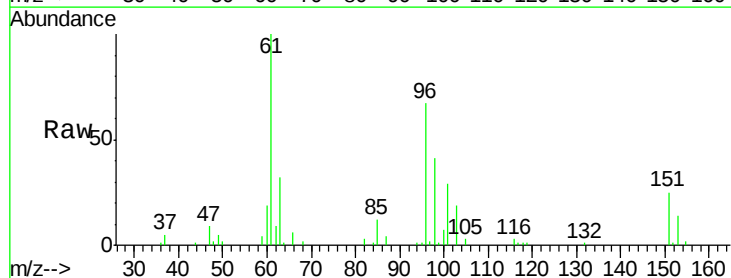
MMDadoda
 1/17/2020 1:52:55 PM

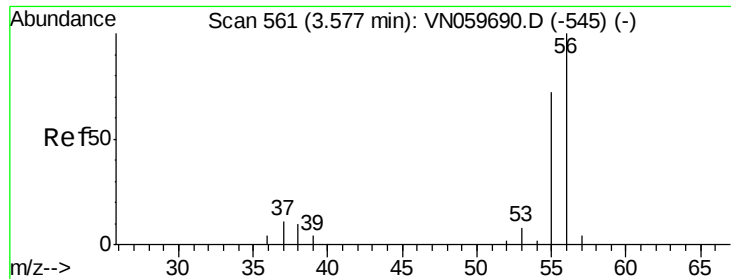


#12

1,1-Dichloroethene
 Concen: 16.727 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	137.5	206.3
98	61.0	50.2	75.4





#13

Acrolein

Concen: 48.514 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 56 Resp: 13961

Ion Ratio Lower Upper

56 100

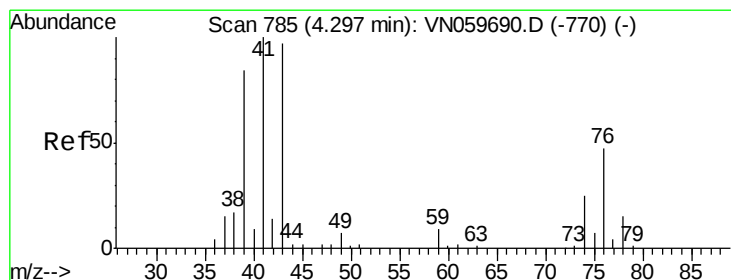
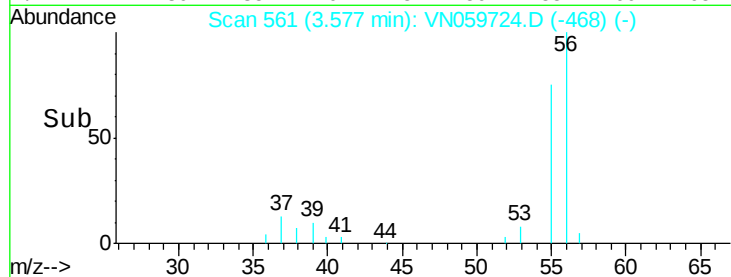
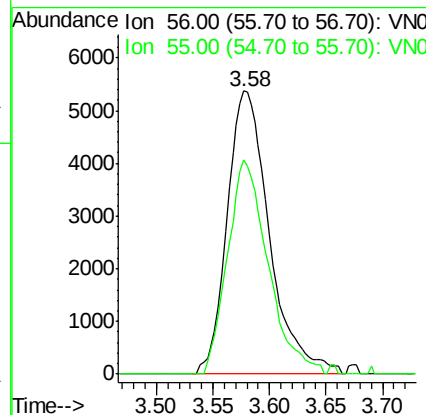
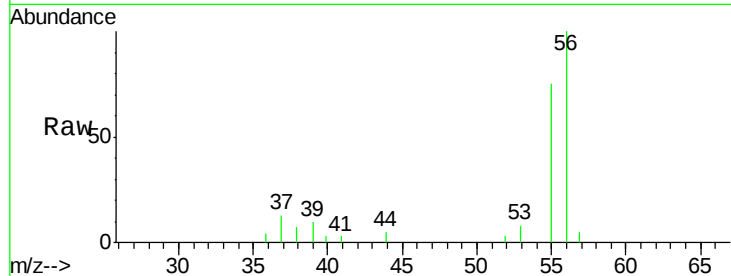
55 72.5 58.6 88.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.924 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

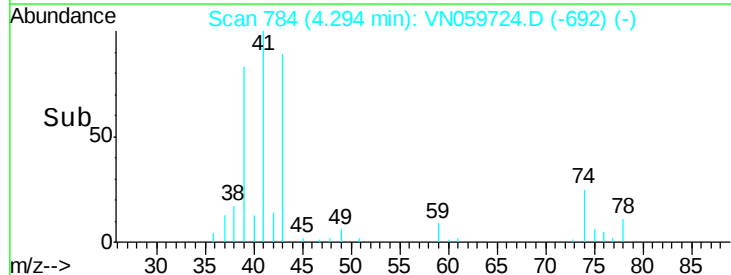
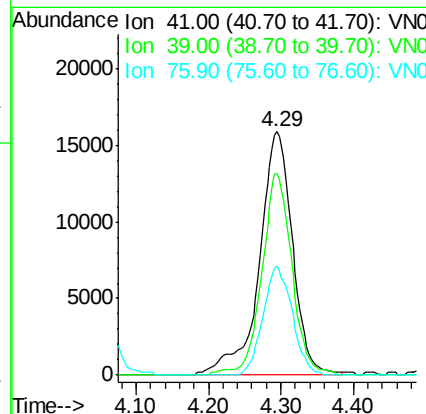
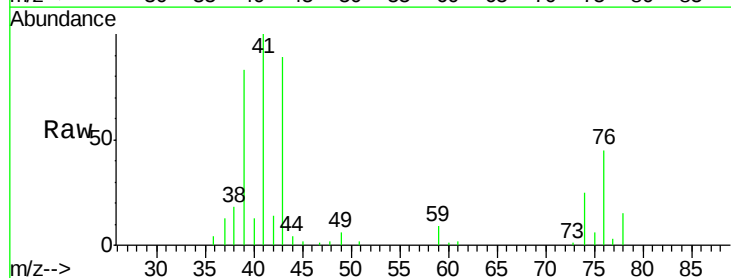
Tgt Ion: 41 Resp: 50745

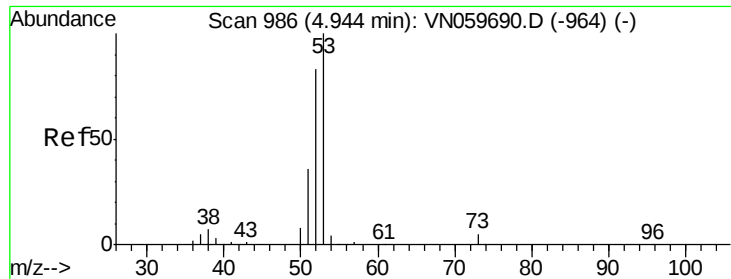
Ion Ratio Lower Upper

41 100

39 73.6 57.8 86.8

76 39.1 25.4 38.0#





#15

Acrylonitrile

Concen: 81.950 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

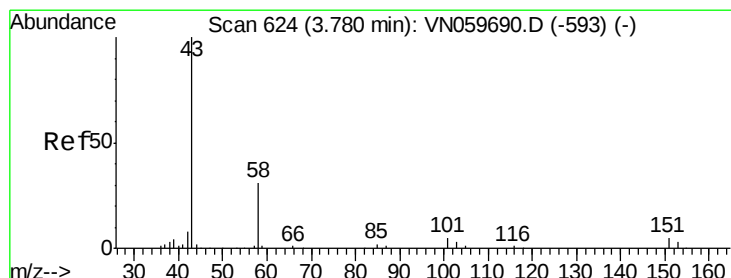
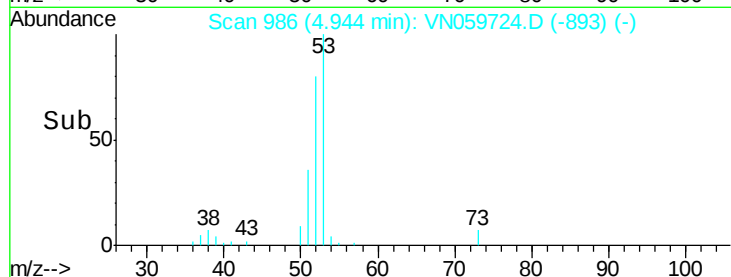
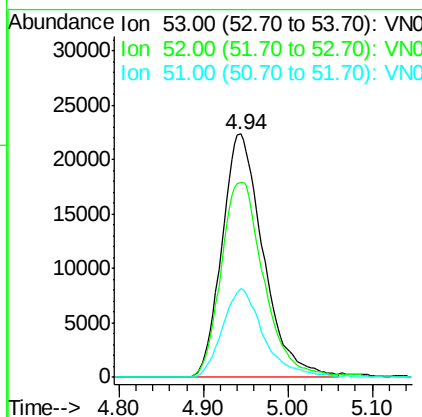
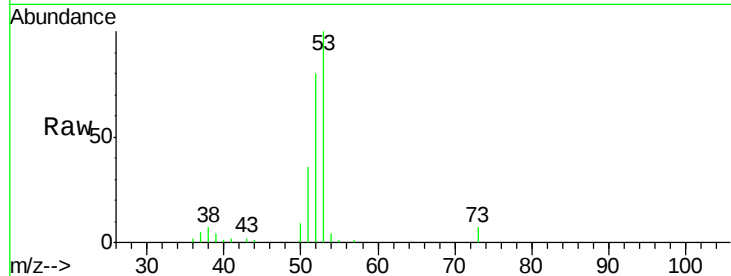
ClientSampleId :

VN0116WBS01

Tot Ion:	53	Resp:	75995
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.3	99.5
51	36.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 75.887 ug/l

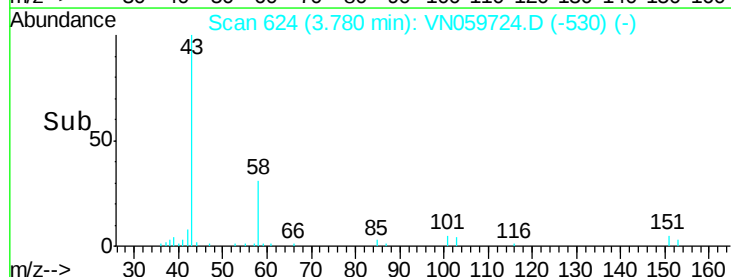
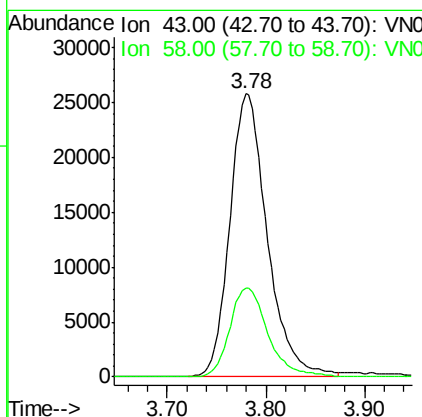
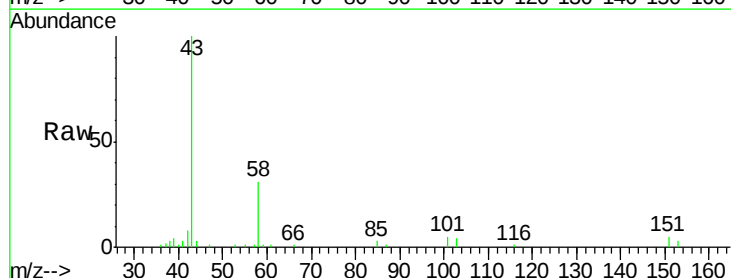
RT: 3.78 min Scan# 624

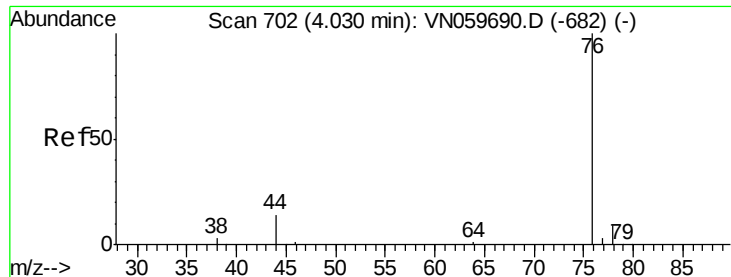
Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Tgt Ion:	43	Resp:	68246
Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.6	35.4





#17

Carbon Disulfide

Concen: 16.717 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 76 Resp: 94739

Ion Ratio Lower Upper

76 100

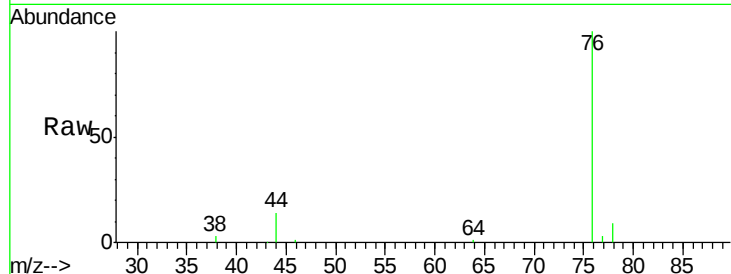
78 8.8 7.4 11.0

Manual Integrations

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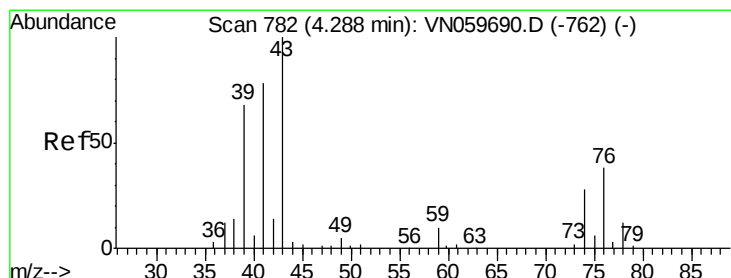
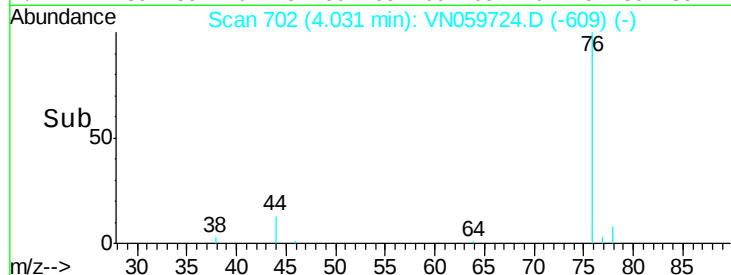
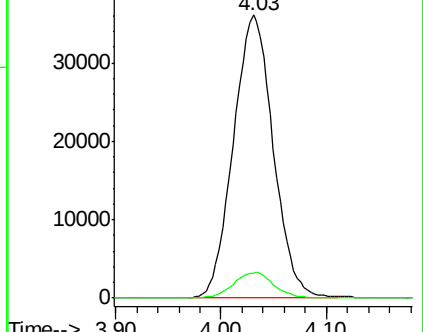
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 16.057 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059724.D

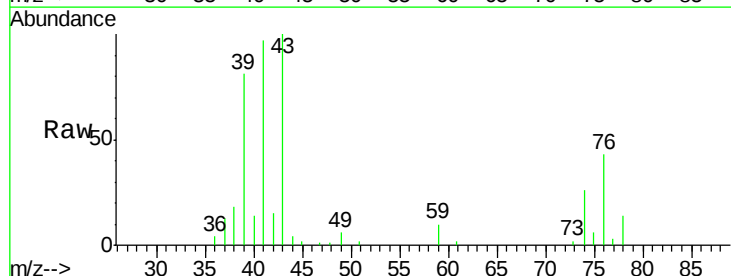
Acq: 16 Jan 2020 11:49

Tgt Ion: 43 Resp: 45292

Ion Ratio Lower Upper

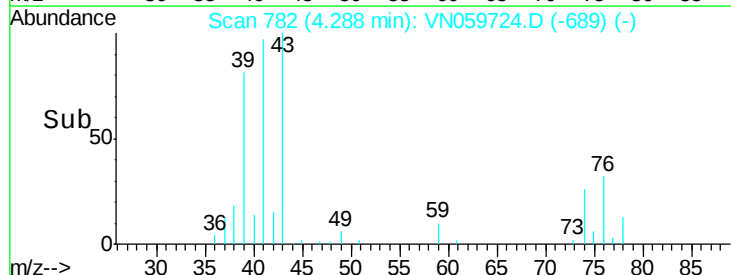
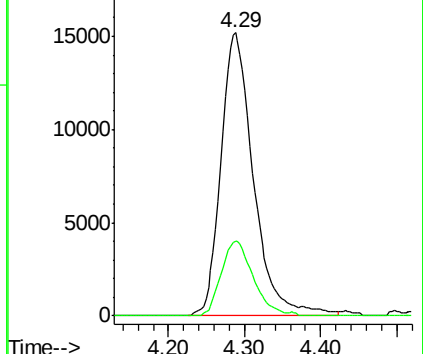
43 100

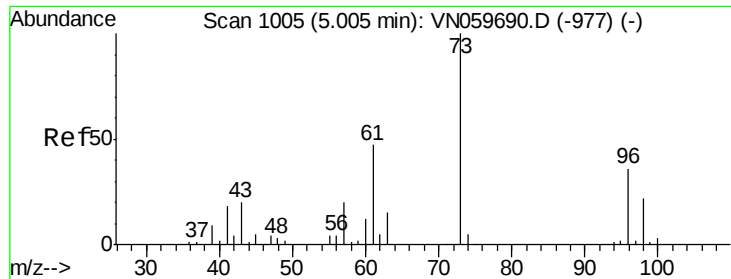
74 25.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

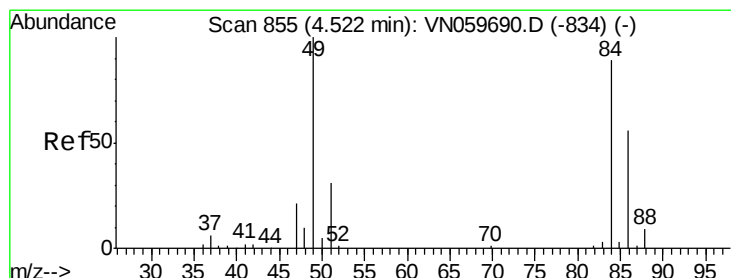
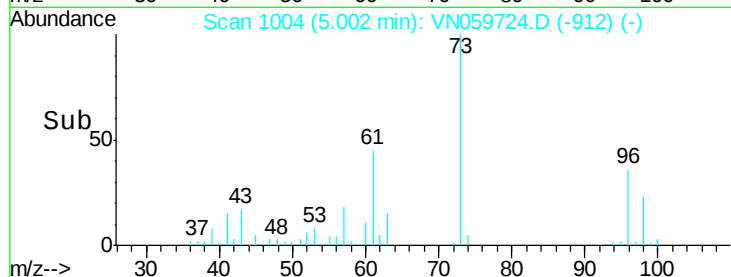
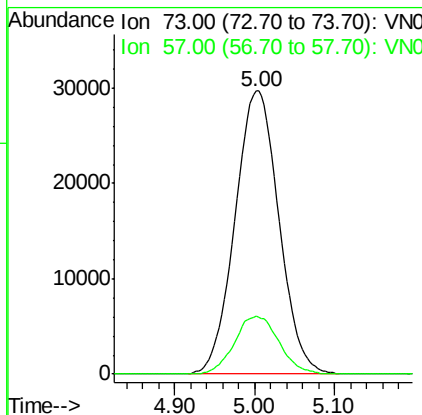
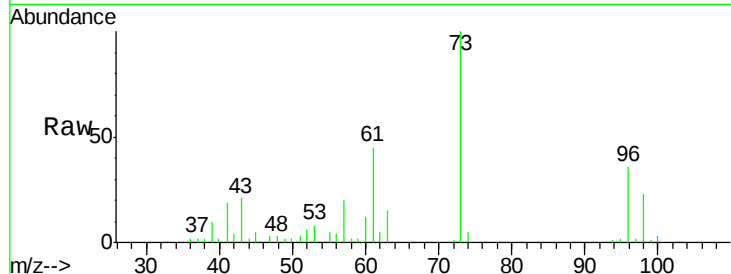
Methyl tert-butyl Ether
 Concen: 17.107 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion: 73 Resp: 110965
 Ion Ratio Lower Upper
 73 100
 57 20.4 18.6 27.8

Manual Integrations
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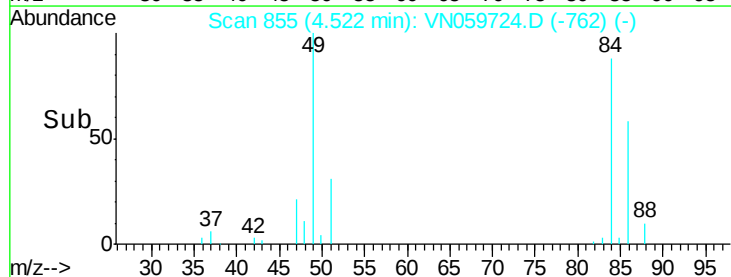
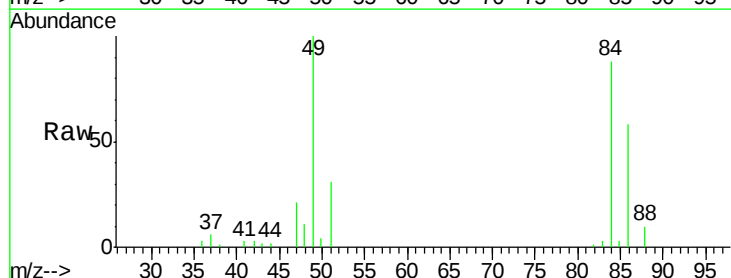
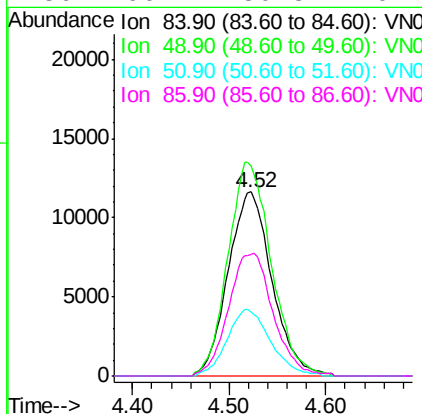
MMDadoda
 1/17/2020 1:52:55 PM

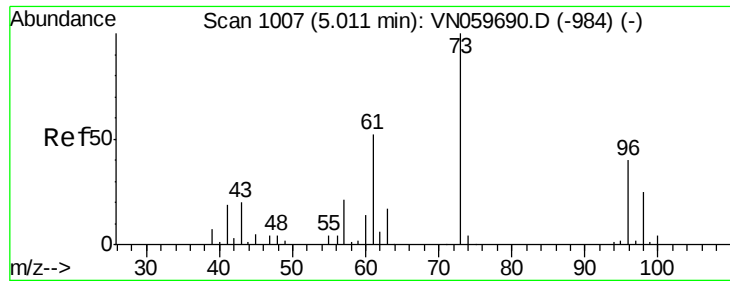


#20

Methylene Chloride
 Concen: 15.856 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion: 84 Resp: 36574
 Ion Ratio Lower Upper
 84 100
 49 114.1 106.6 160.0
 51 35.1 31.9 47.9
 86 66.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 17.284 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 96 Resp: 36552

Ion Ratio Lower Upper

96 100

61 121.4 120.4 180.6

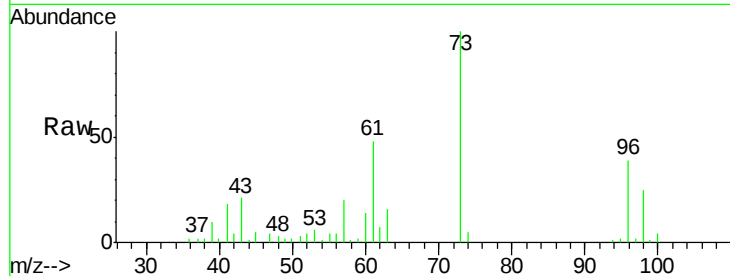
98 63.8 50.6 75.8

Manual Integrations

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MMDadoda

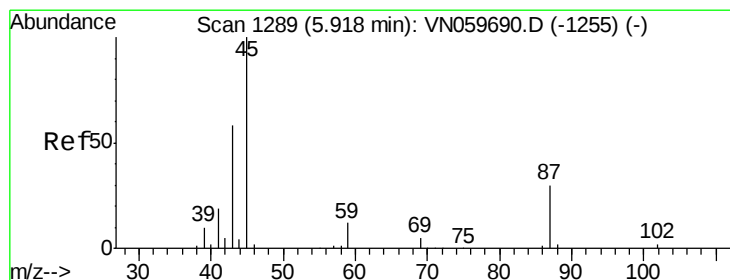
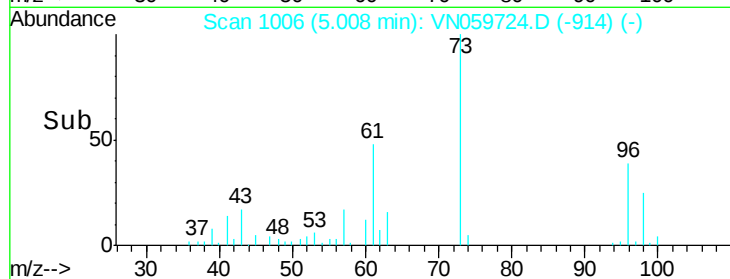
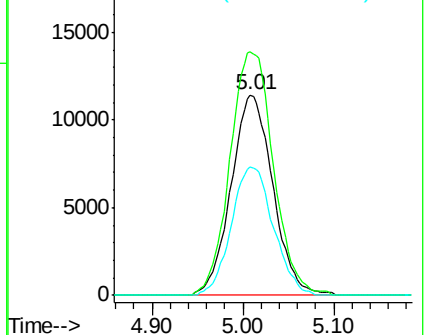
1/17/2020 1:52:55 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 16.647 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Tgt Ion: 45 Resp: 101160

Ion Ratio Lower Upper

45 100

43 67.0 50.8 76.2

87 31.9 21.0 31.6#

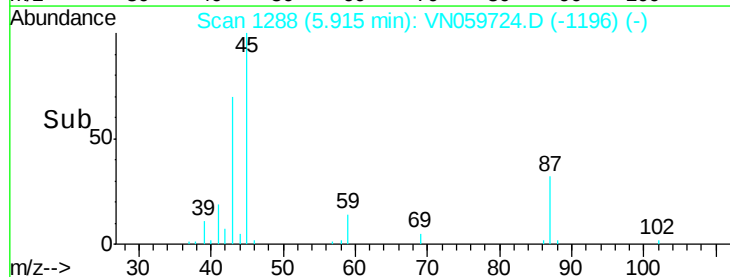
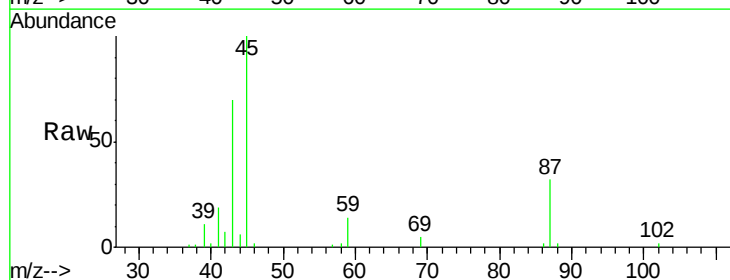
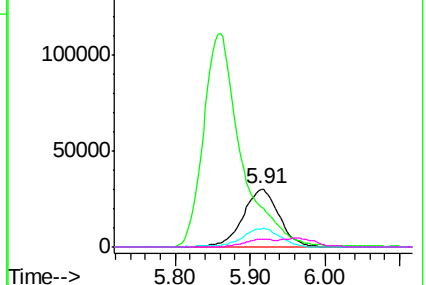
59 13.8 9.1 13.7#

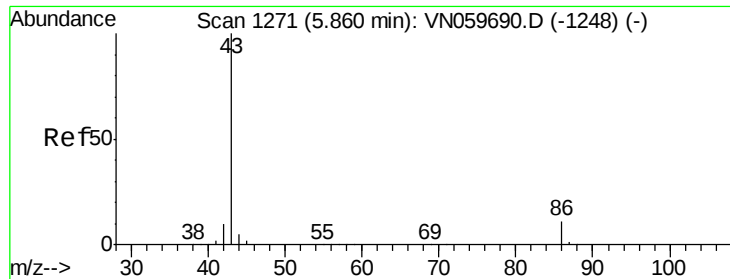
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





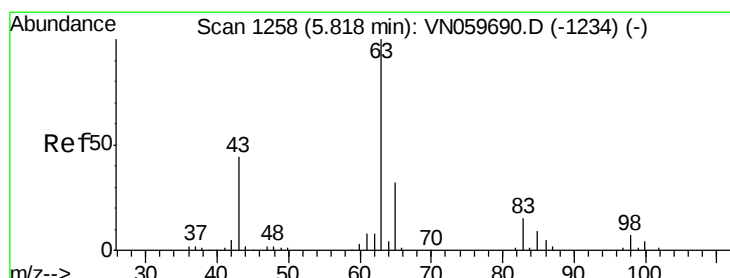
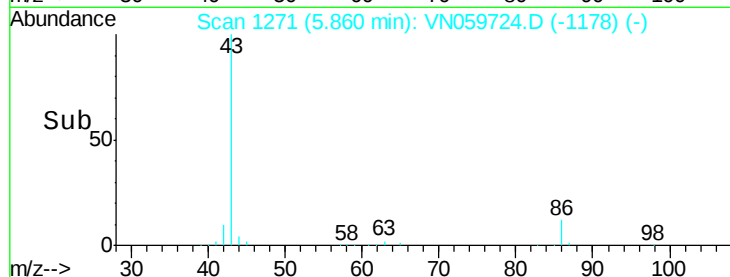
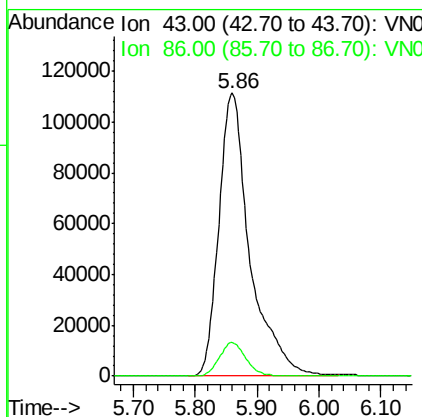
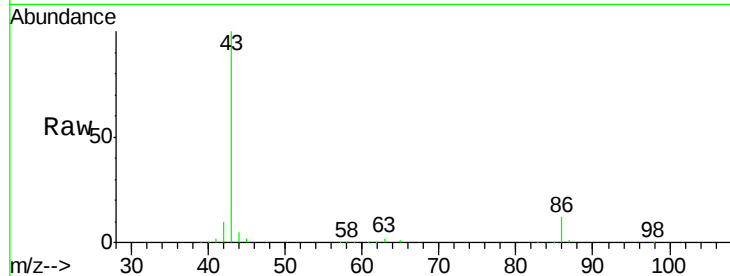
#23
 Vinyl Acetate
 Concen: 82.781 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	43	Resp	389486
Ion Ratio	100	Lower	Upper
43	100		
86	11.9	7.6	11.4#

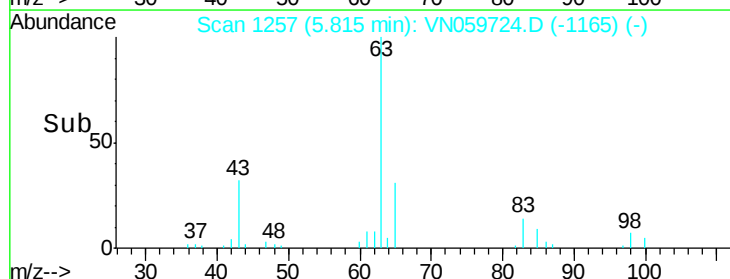
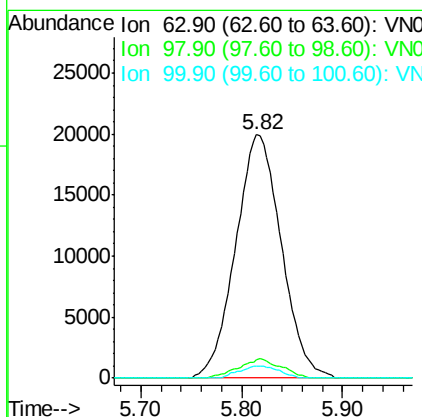
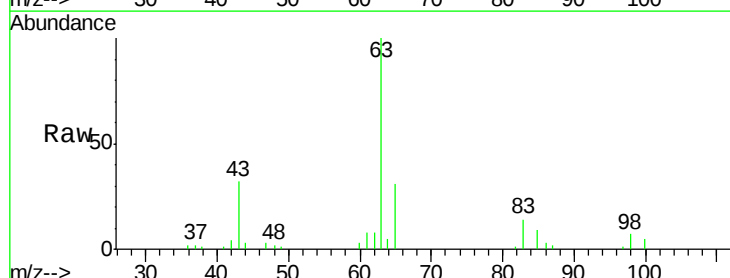
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 16.870 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	63	Resp	62640
Ion Ratio	100	Lower	Upper
63	100		
98	7.3	2.9	8.7
100	5.0	2.0	6.0





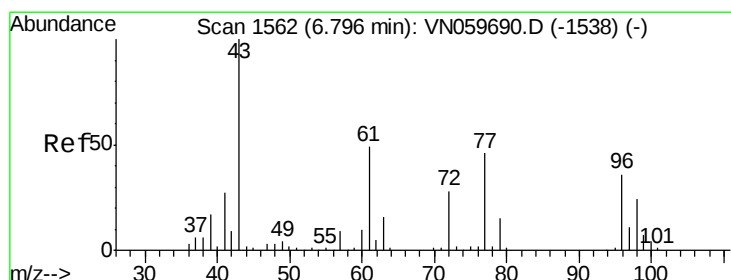
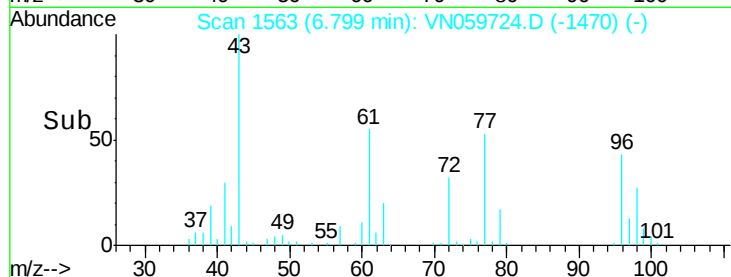
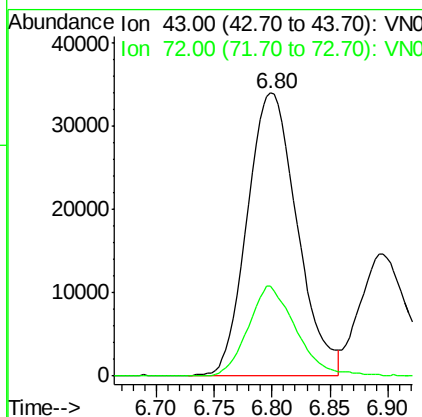
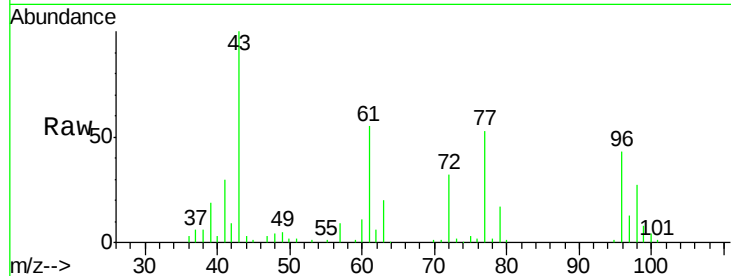
#25
2-Butanone
Concen: 74.355 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion: 43 Resp: 101683
Ion Ratio Lower Upper
43 100
72 31.9 19.9 29.9#

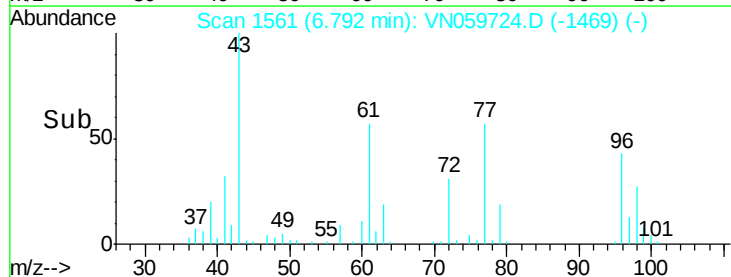
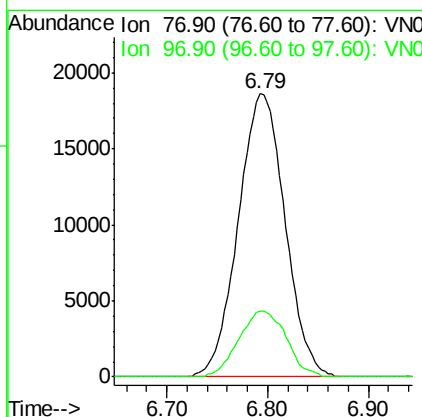
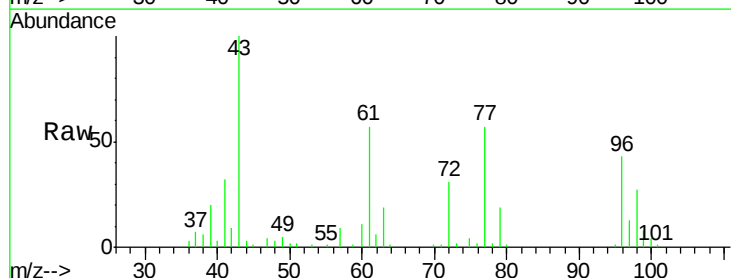
Manual Integrations
APPROVED

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1/17/2020 1:52:55 PM



#26
2,2-Dichloropropane
Concen: 16.772 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion: 77 Resp: 59871
Ion Ratio Lower Upper
77 100
97 23.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 17.457 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

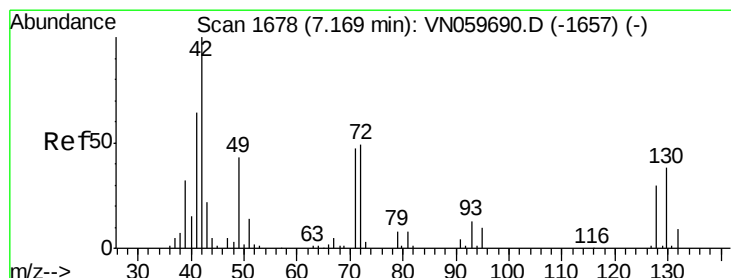
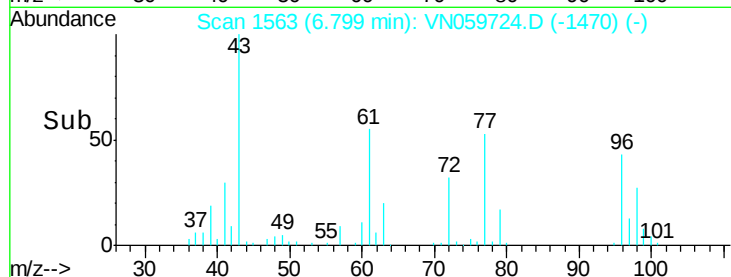
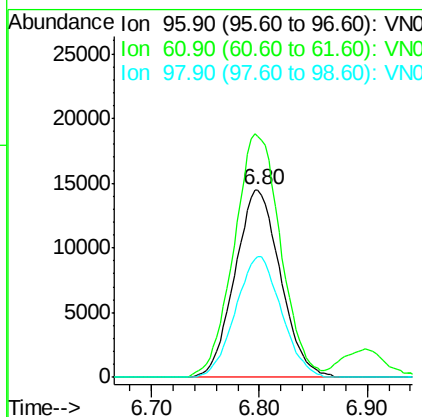
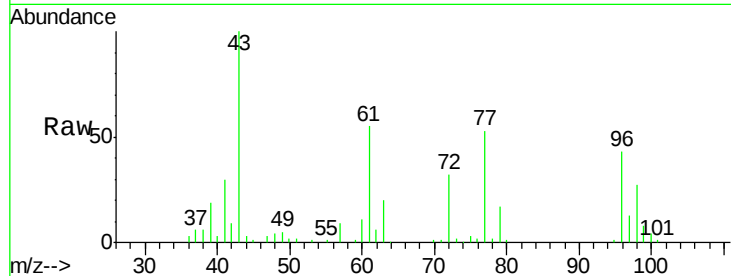
ClientSampleId :

VN0116WBS01

Tot Ion:	96	Resp:	42461
Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	317.6
98	64.6	0.0	127.0

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#28

Bromochloromethane

Concen: 20.074 ug/l

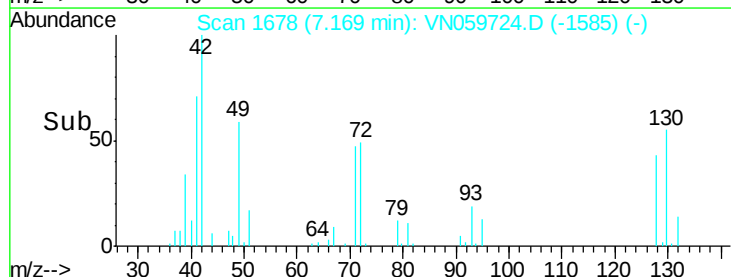
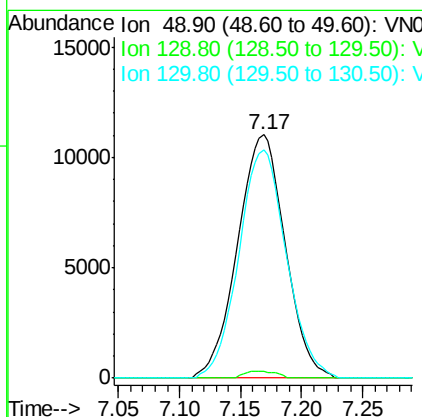
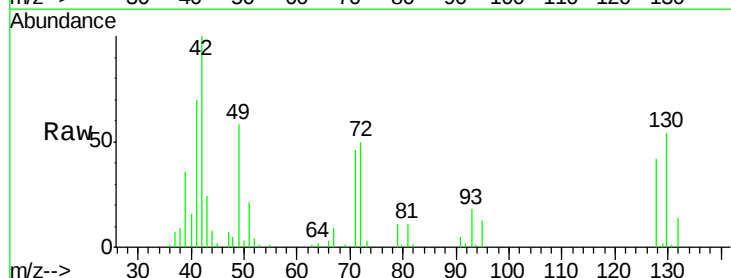
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Tgt Ion:	49	Resp:	29791
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	93.6	54.7	82.1#





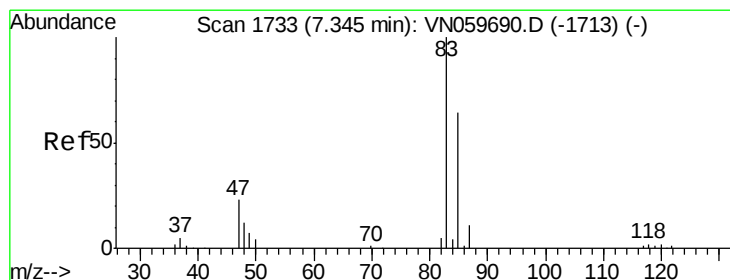
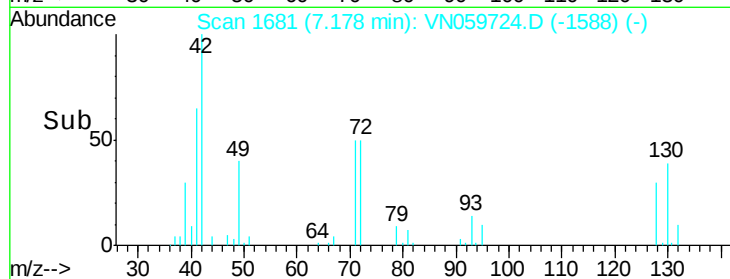
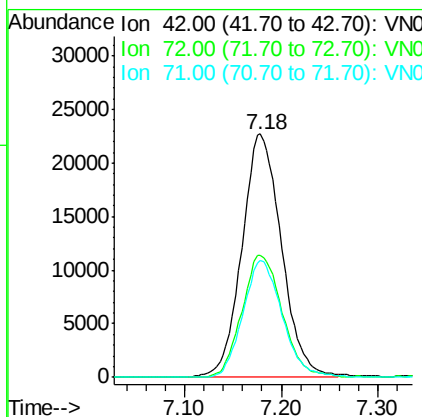
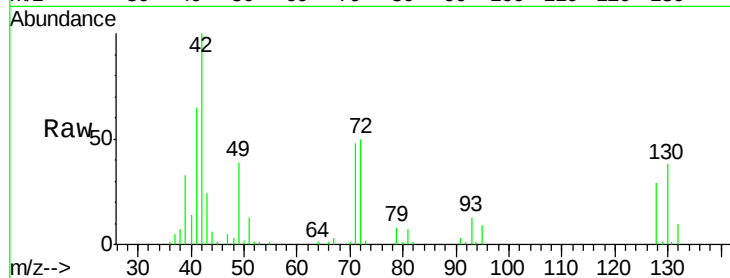
#29
Tetrahydrofuran
Concen: 76.305 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	33.1	49.7#
71	47.5	31.4	47.0#

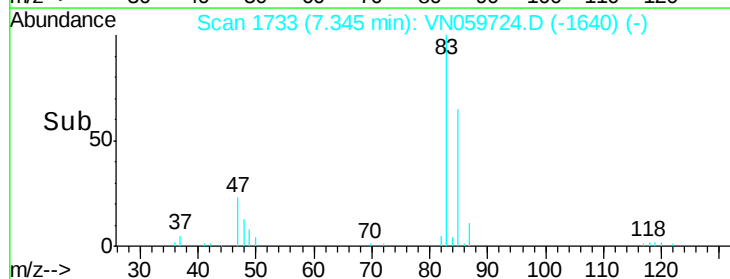
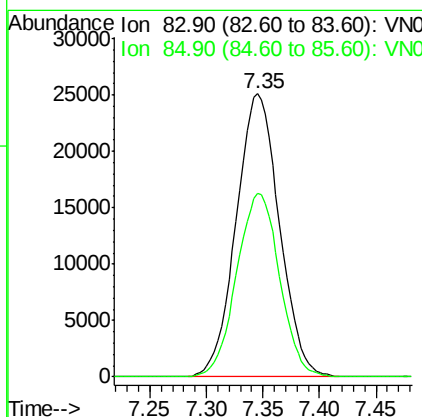
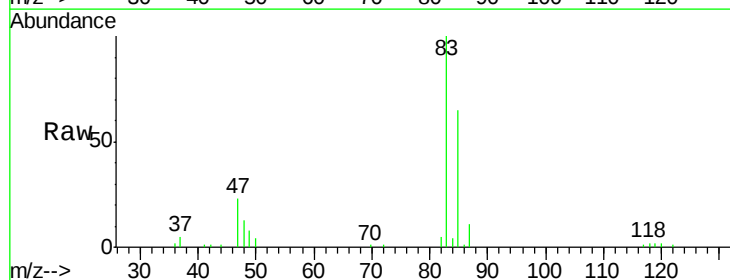
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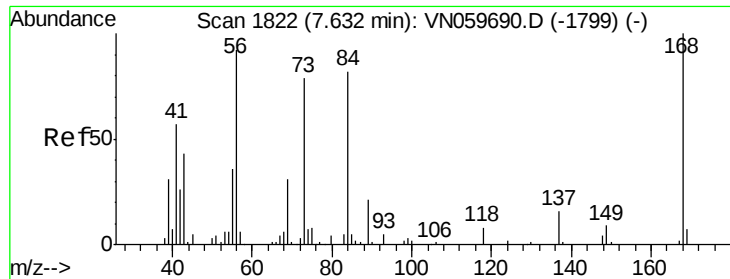
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#30
Chloroform
Concen: 17.317 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





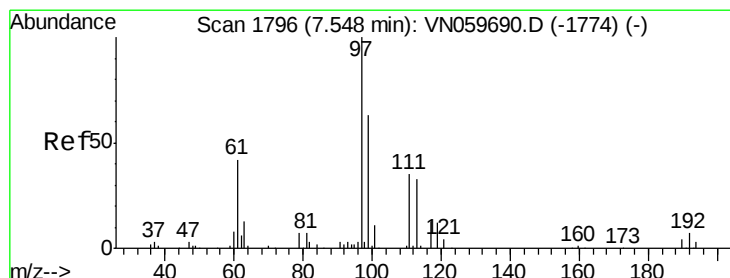
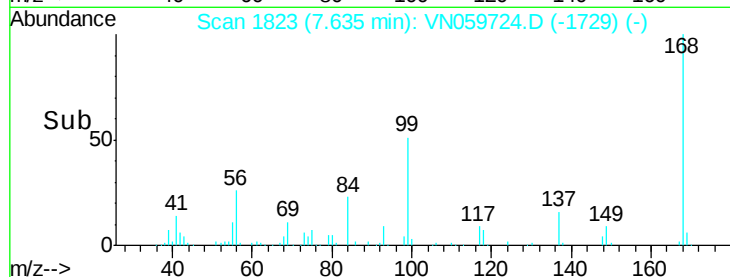
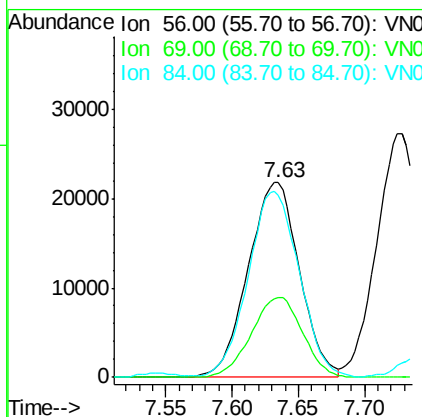
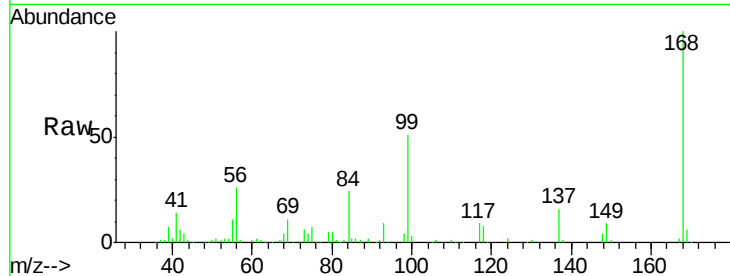
#31
Cyclohexane
Concen: 16.413 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	26.5	39.7#
84	93.1	65.3	97.9

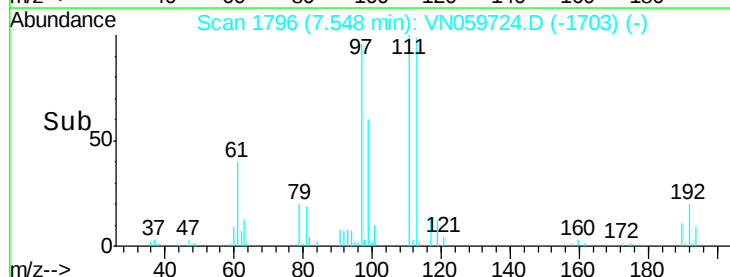
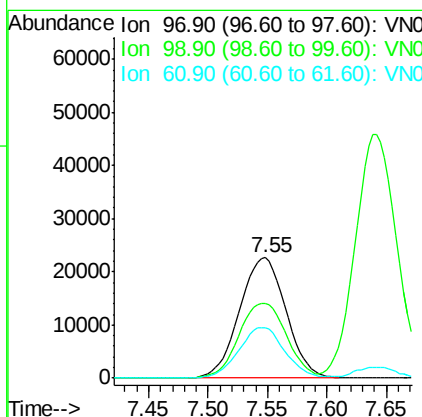
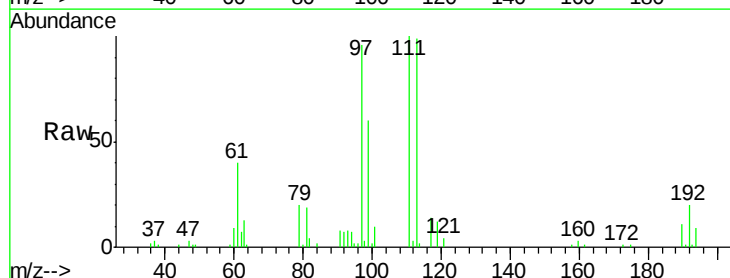
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#32
1,1,1-Trichloroethane
Concen: 17.258 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	41.5	38.5	57.7





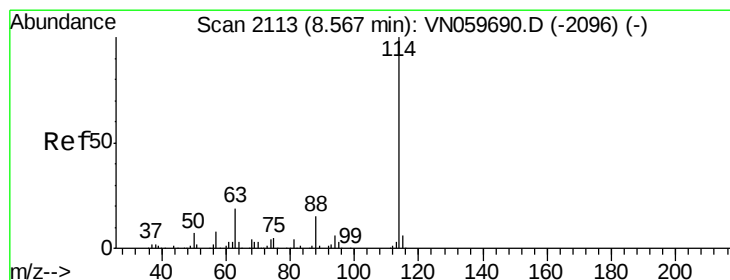
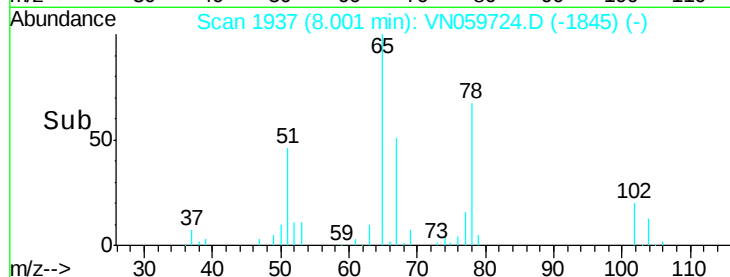
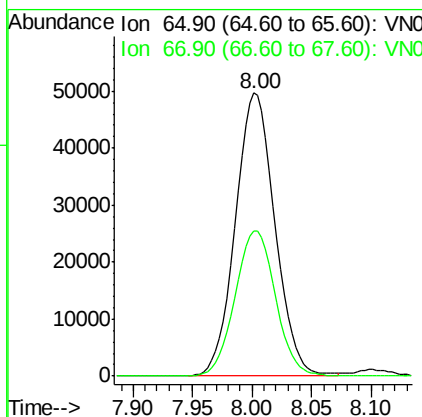
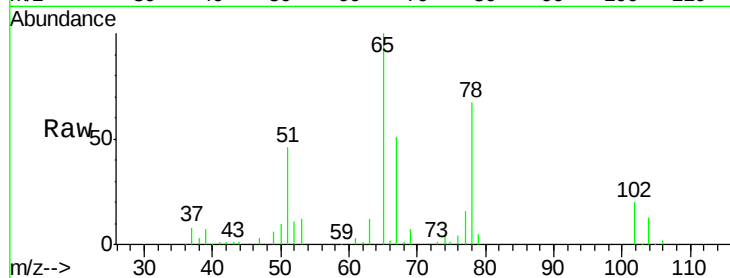
#33
 1,2-Dichloroethane-d4
 Concen: 47.385 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	103.0	

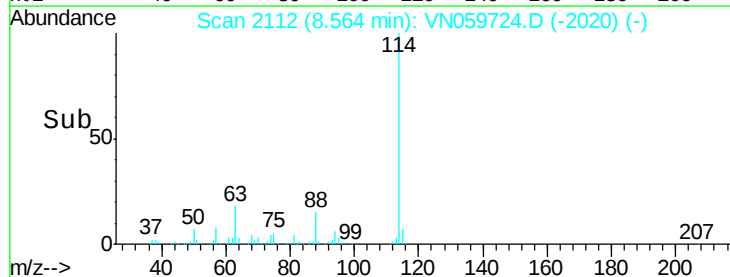
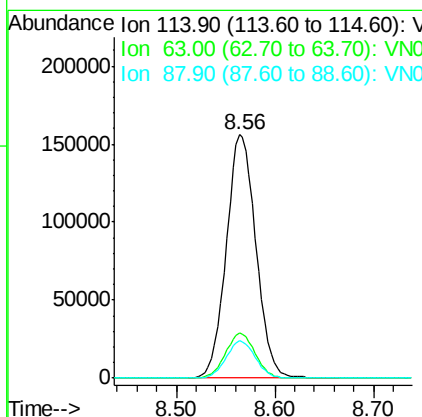
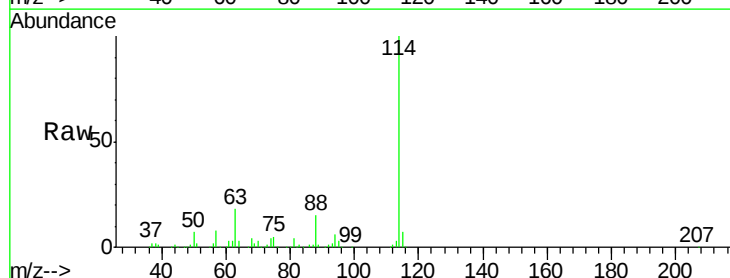
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	43.6	
88	15.2	0.0	31.4	





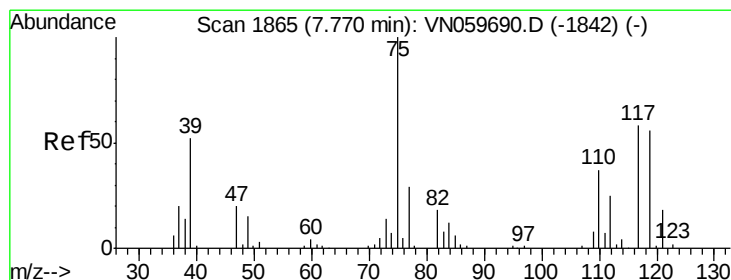
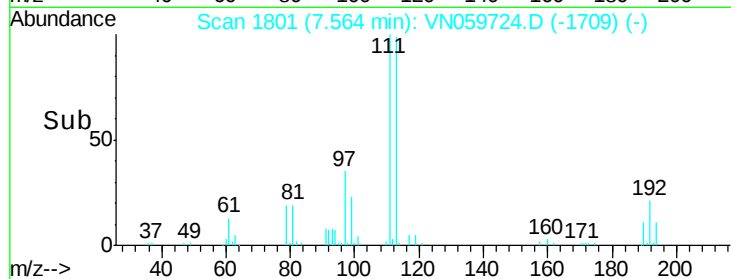
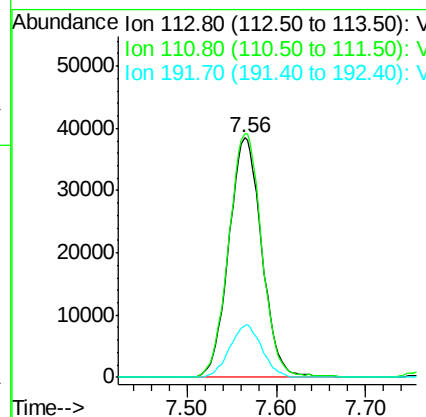
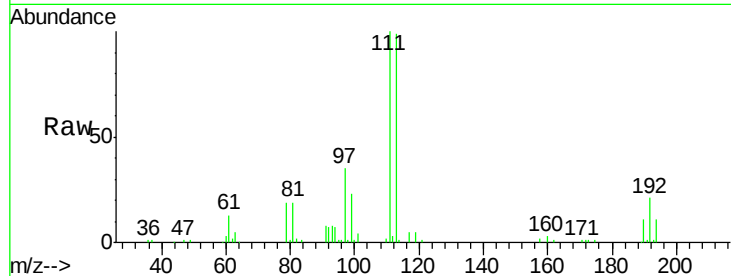
#35
 Dibromofluoromethane
 Concen: 50.472 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	98519		
111	102.2		83.5	125.3
192	21.3		15.4	23.2

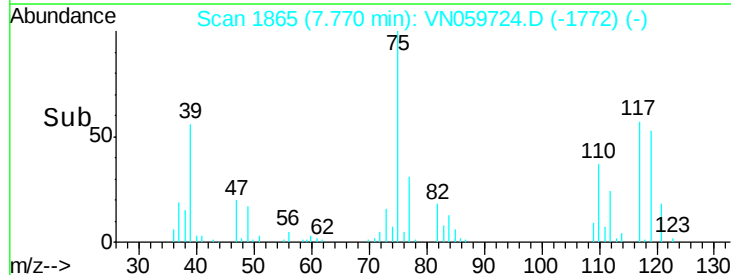
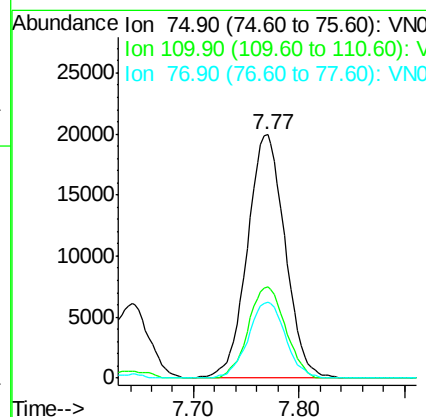
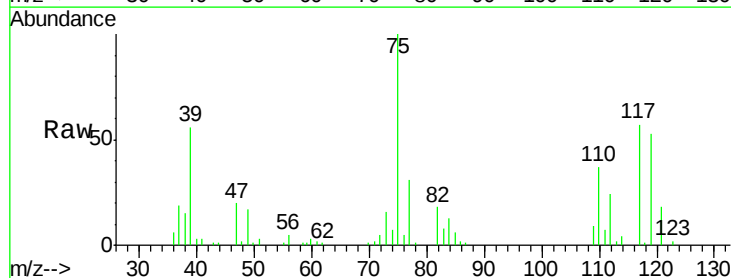
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#36
 1,1-Dichloropropene
 Concen: 17.413 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49635		
110	36.8		16.6	49.7
77	30.8		25.1	37.7





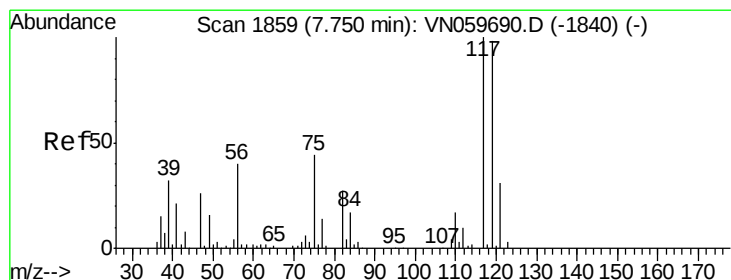
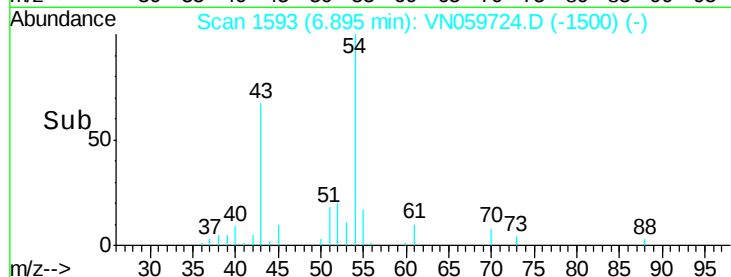
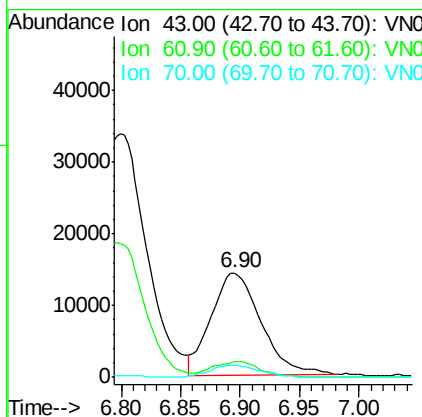
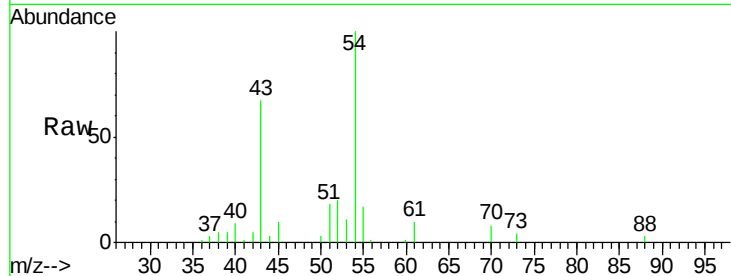
#37
Ethyl Acetate
Concen: 15.494 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

Tot Ion	43	61	70
Ratio	100	15.0	11.7
Lower		10.9	7.7
Upper		16.3	11.5

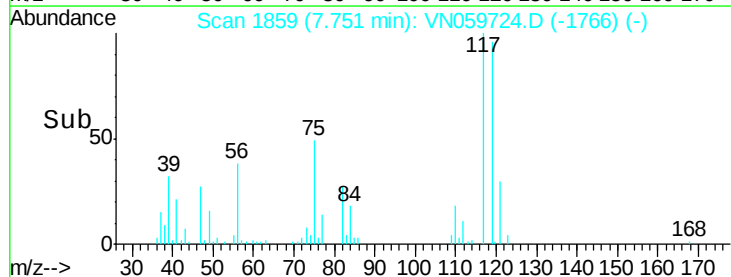
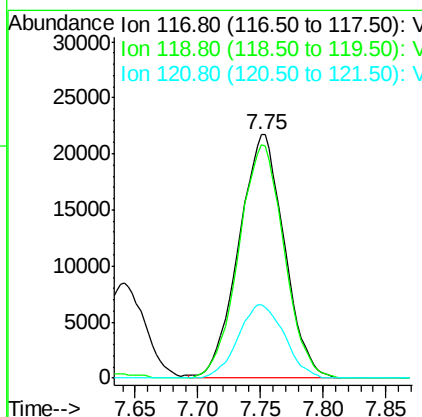
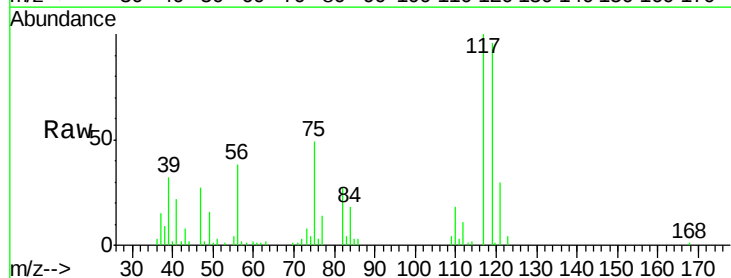
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#38
Carbon Tetrachloride
Concen: 17.649 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	117	119	121
Ratio	100	95.8	30.1
Lower		76.5	25.1
Upper		114.7	37.7





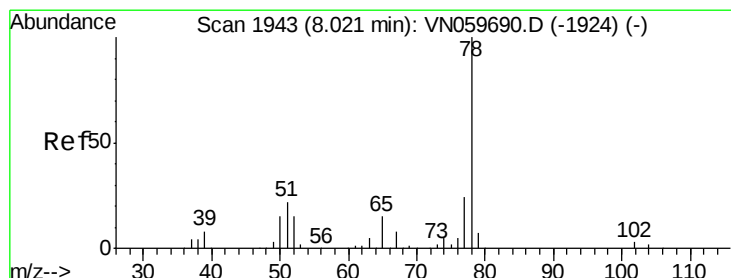
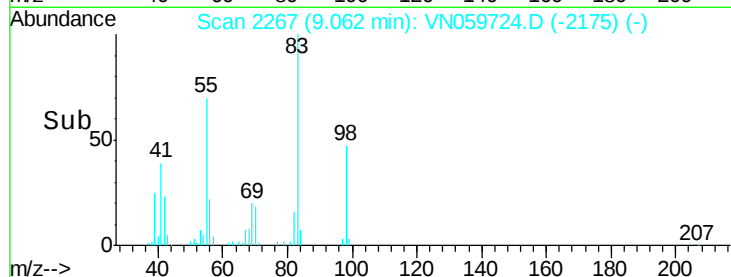
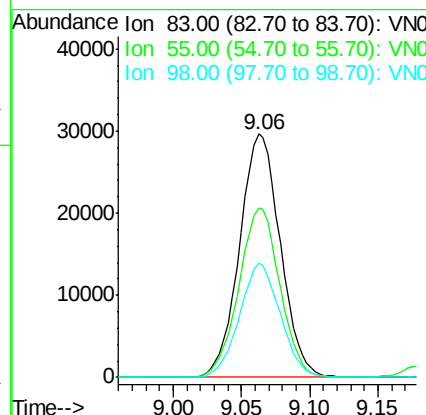
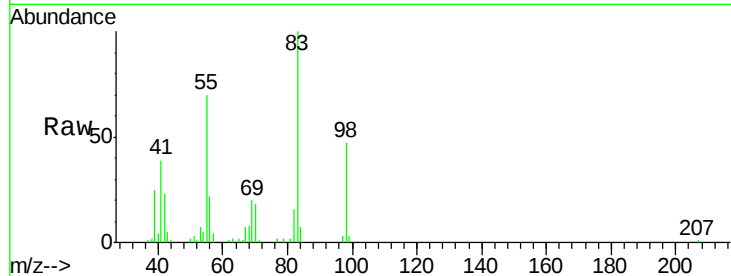
#39
Methvlcvclohexane
Concen: 17.491 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.7	64.2	96.2
98	47.1	35.9	53.9

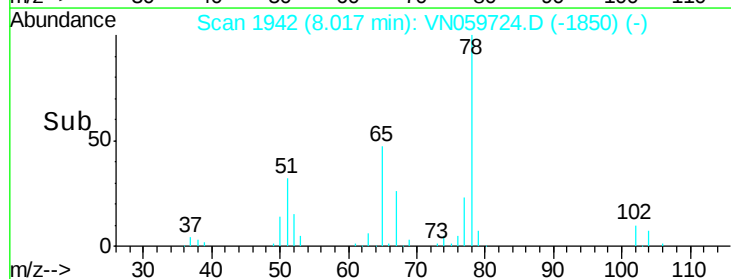
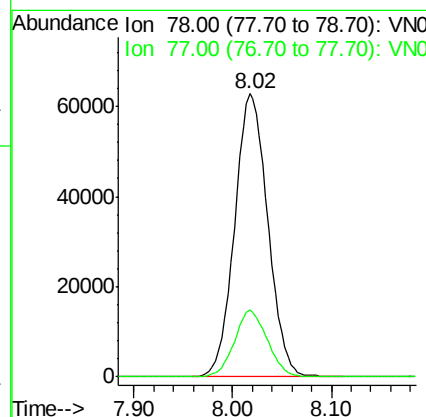
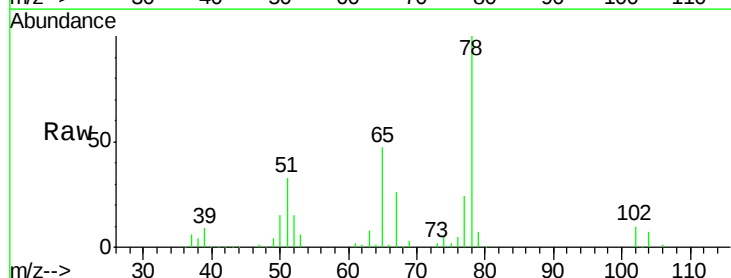
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#40
Benzene
Concen: 17.273 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





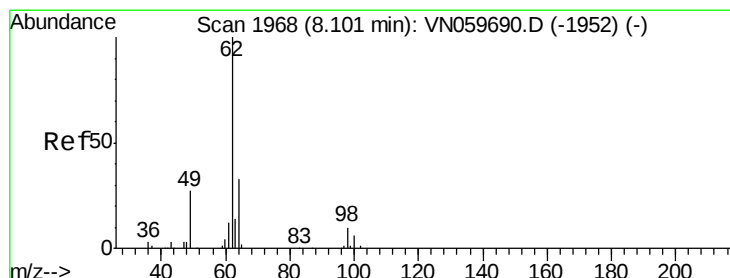
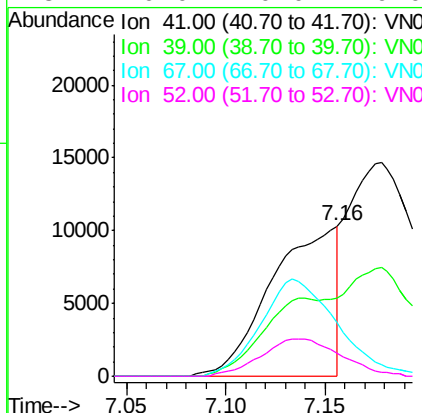
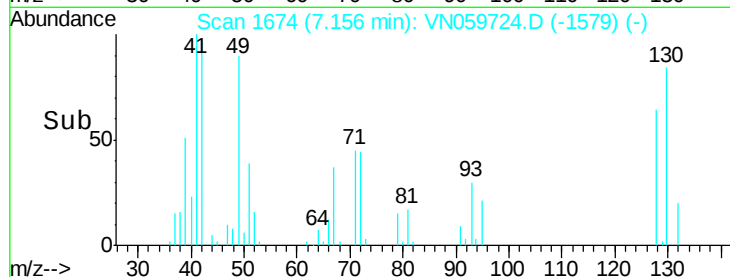
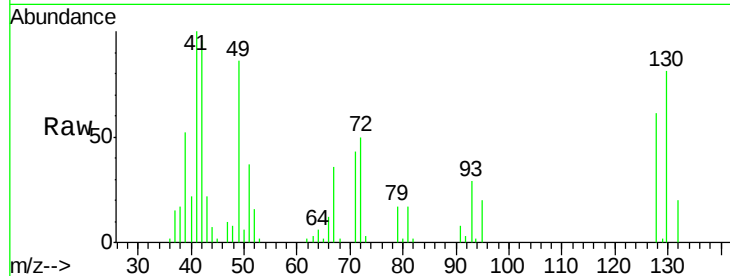
#41
Methacrylonitrile
Concen: 17.940 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	41	Resp	23623
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

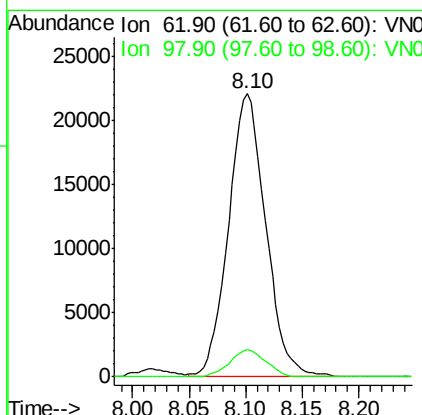
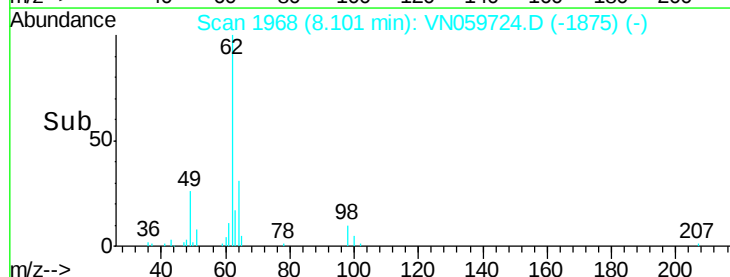
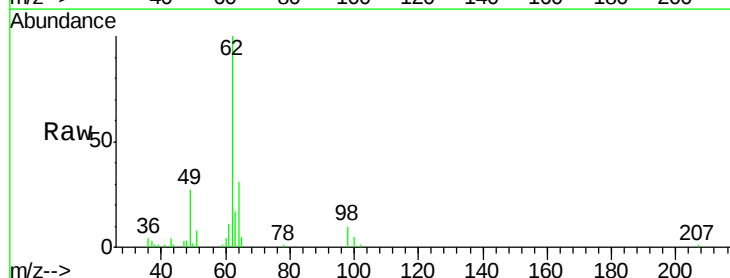
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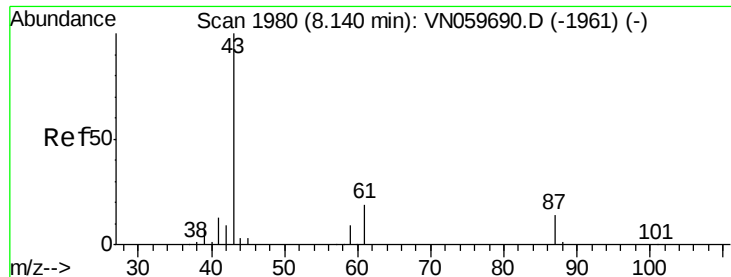
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#42
1,2-Dichloroethane
Concen: 17.561 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	62	Resp	50614
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	15.8





#43

Isopropyl Acetate

Concen: 15.942 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

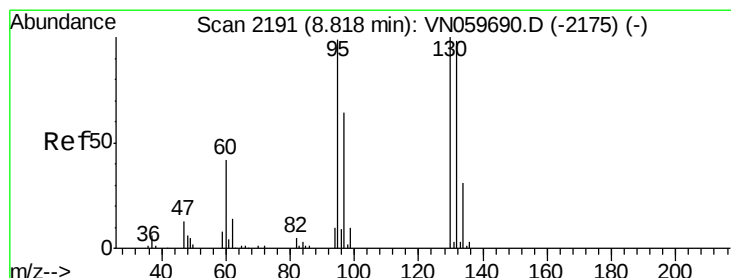
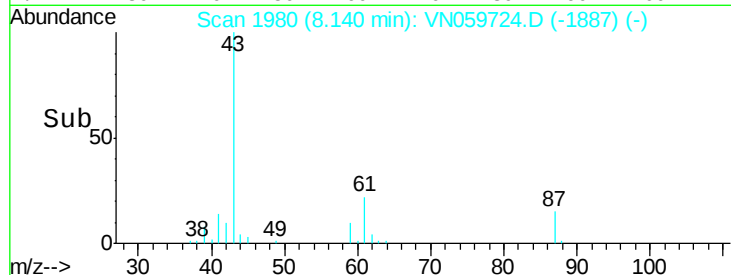
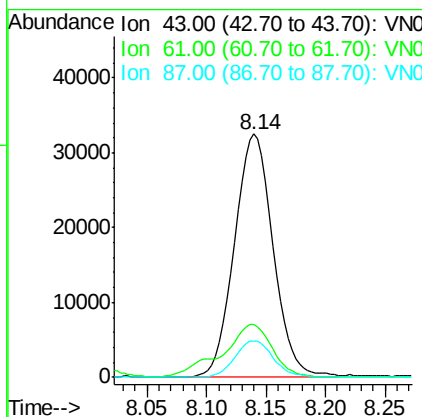
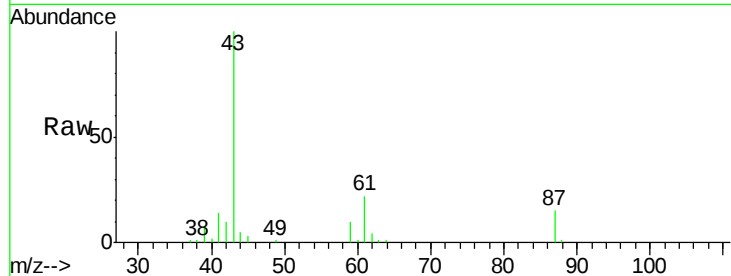
ClientSampleId :

VN0116WBS01

Tot Ion:	43	Resp:	73308
Ion	Ratio	Lower	Upper
43	100		
61	28.3	20.2	30.2
87	14.8	9.5	14.3#

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#44

Trichloroethene

Concen: 18.488 ug/l

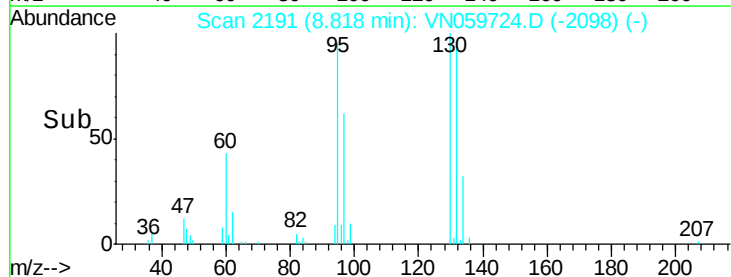
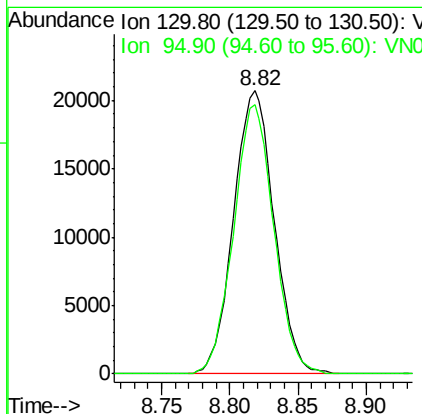
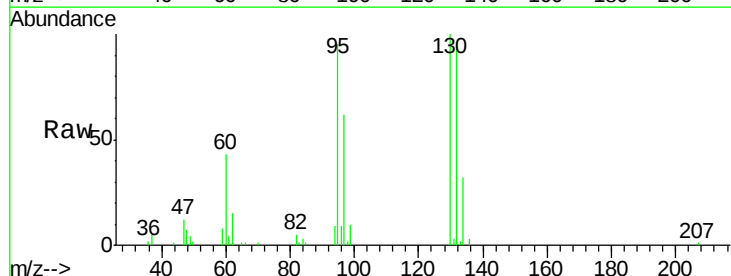
RT: 8.82 min Scan# 2191

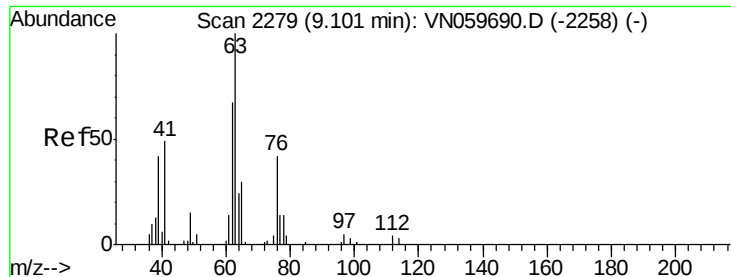
Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Tgt Ion:	130	Resp:	42905
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	207.0





#45

1,2-Dichloropropane

Concen: 17.517 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 63 Resp: 36849

Ion Ratio Lower Upper

63 100

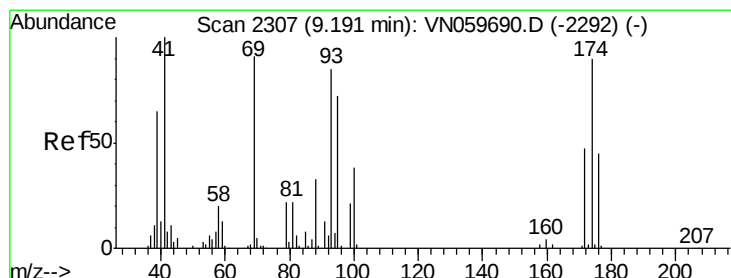
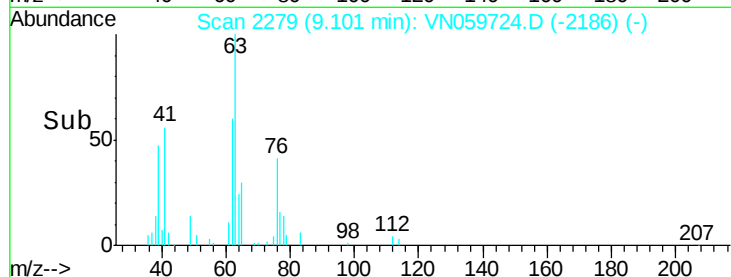
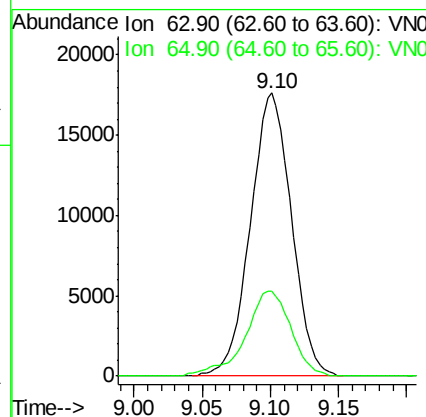
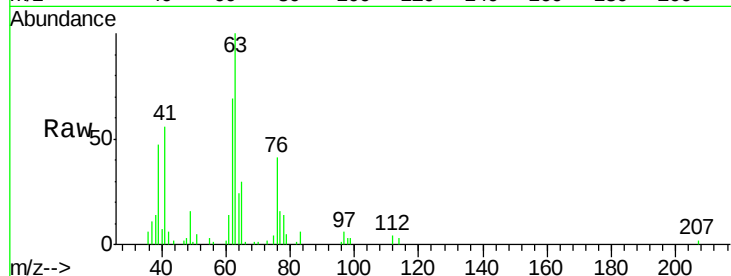
65 29.9 24.9 37.3

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#46

Dibromomethane

Concen: 17.595 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

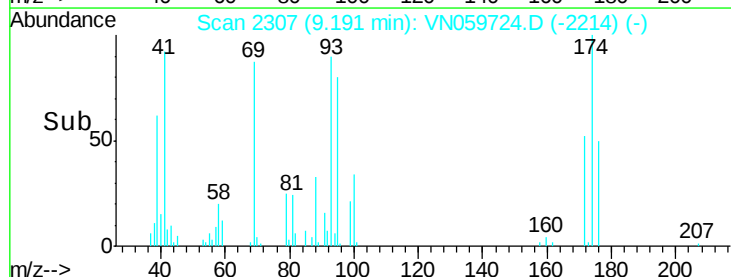
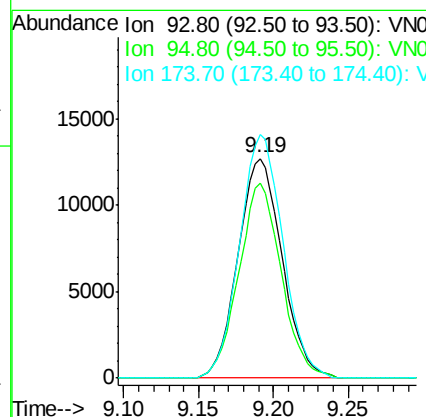
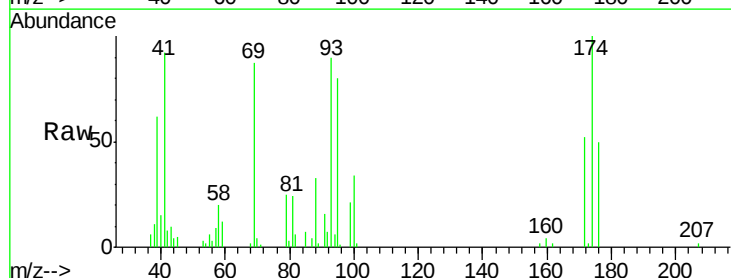
Tgt Ion: 93 Resp: 26108

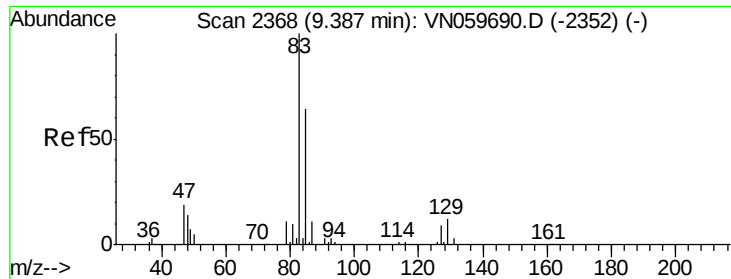
Ion Ratio Lower Upper

93 100

95 85.4 67.0 100.6

174 108.8 73.4 110.2





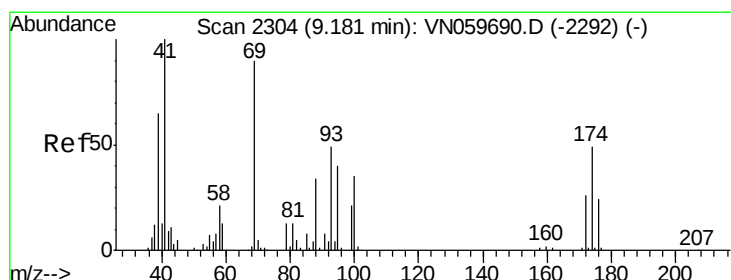
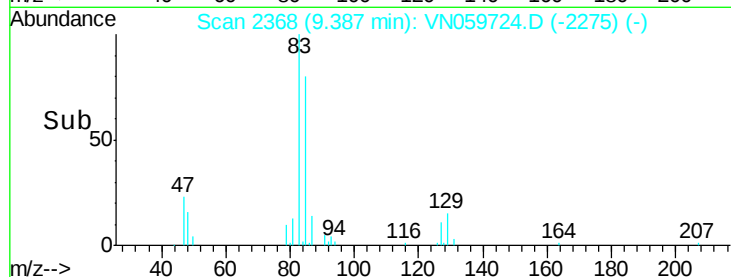
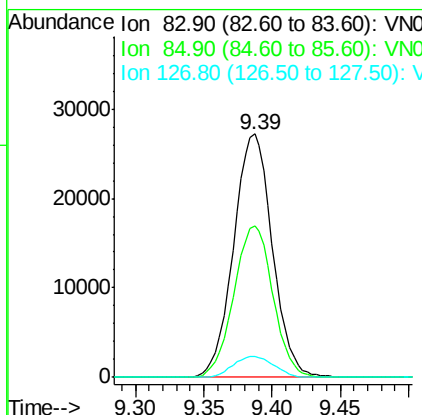
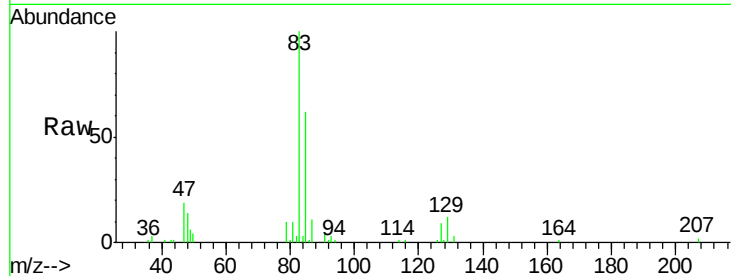
#47
Bromodichloromethane
Concen: 17.936 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	83	Resp	53634
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	51.1	76.7
127	8.6	6.6	9.8

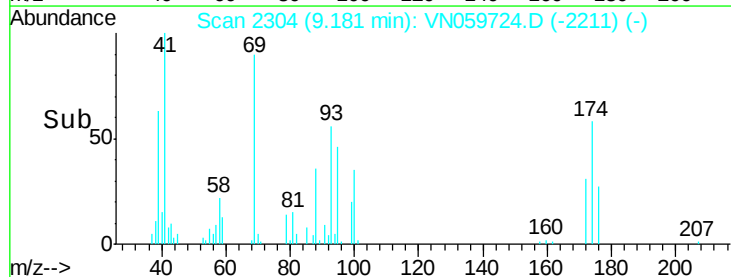
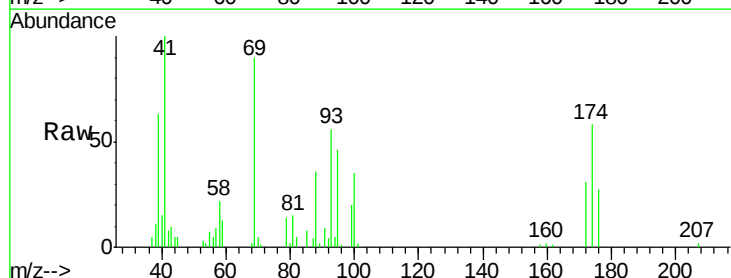
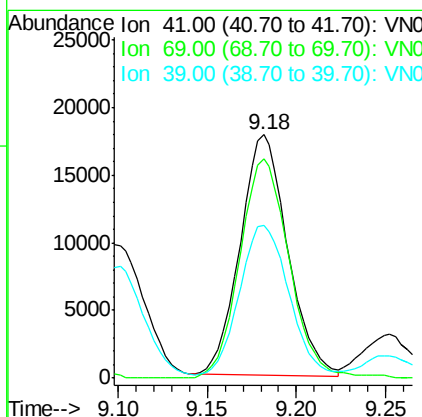
Manual Integrations
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#48
Methyl methacrylate
Concen: 16.120 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	41	Resp	33157
Ion Ratio	100	Lower	Upper
41	100		
69	94.4	64.4	96.6
39	64.5	51.3	76.9





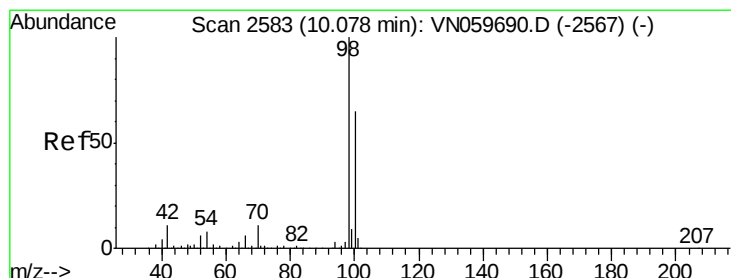
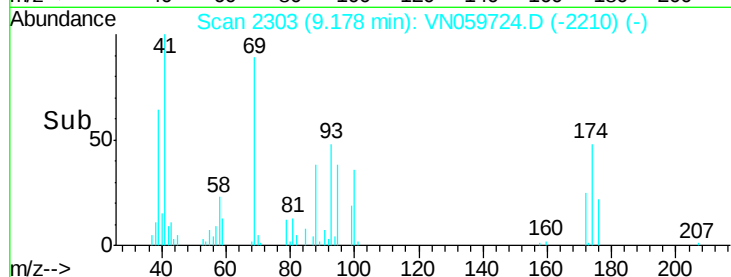
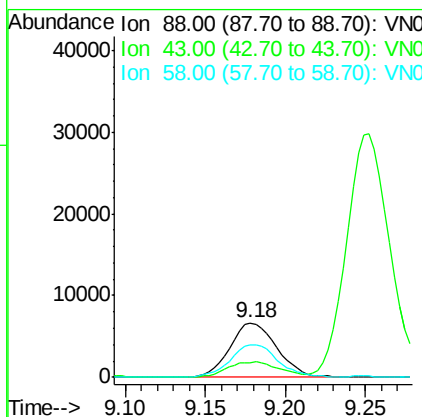
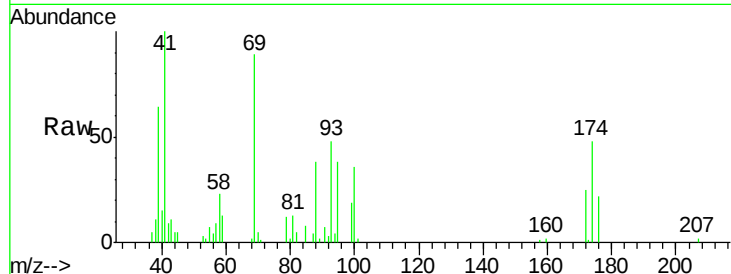
#49
1,4-Dioxane
Concen: 356.142 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	88	Resp	13410
Ion	Ratio	Lower	Upper
88	100		
43	31.4	29.7	44.5
58	60.3	56.6	85.0

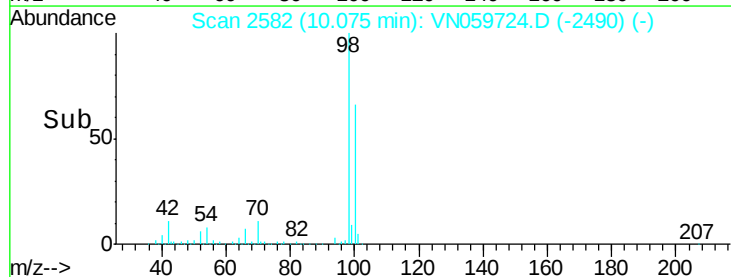
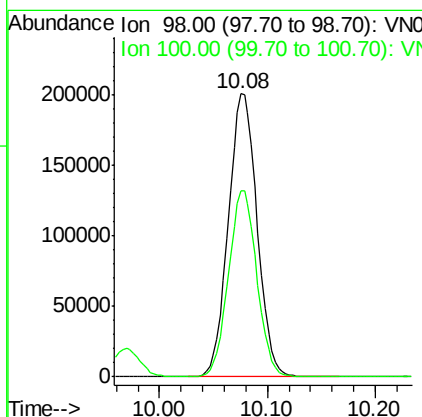
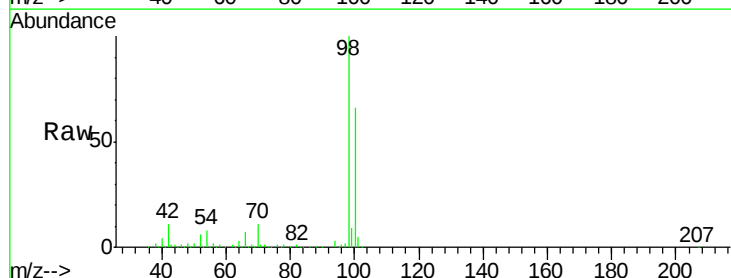
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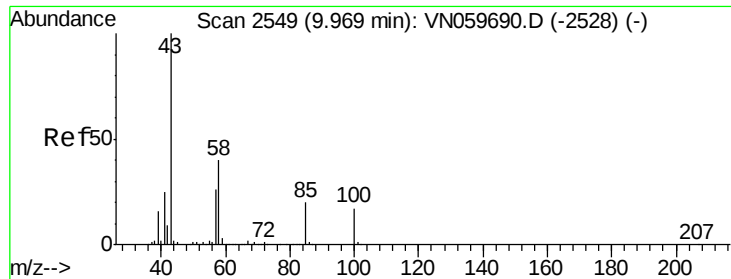
MMDadoda
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#50
Toluene-d8
Concen: 49.430 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	98	Resp	373828
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 79.604 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0116WBS01

Tot Ion: 43 Resp: 211602

Ion Ratio Lower Upper

43 100

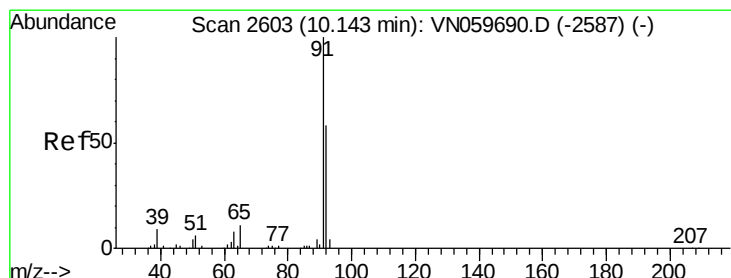
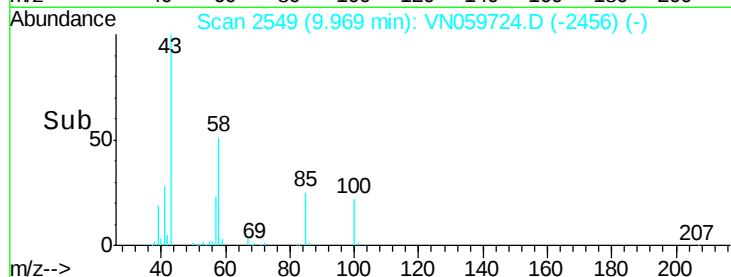
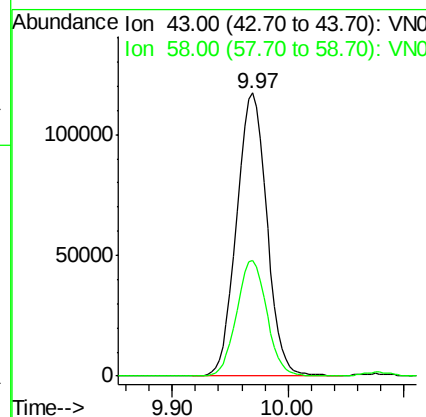
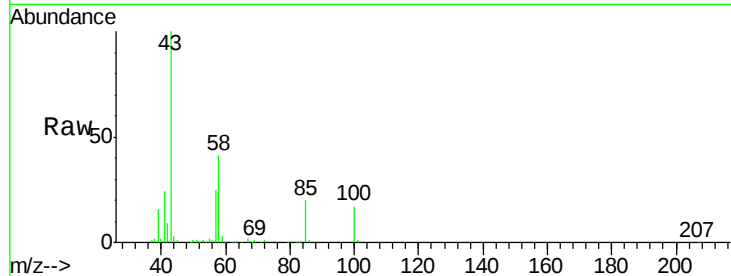
58 40.7 29.8 44.8

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#52

Toluene

Concen: 17.510 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059724.D

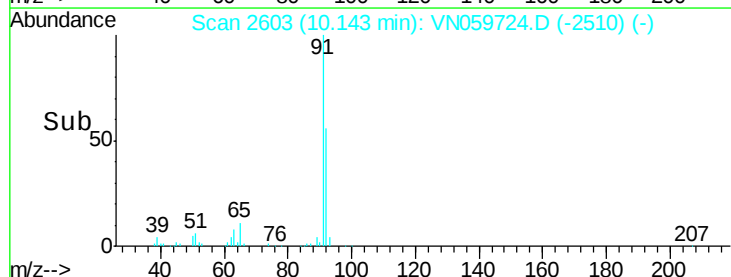
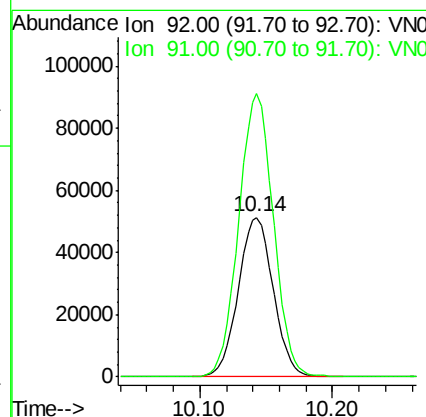
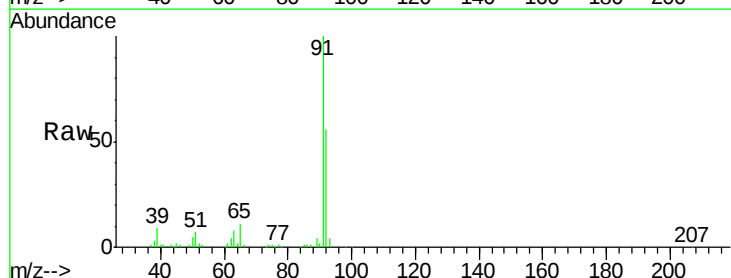
Acq: 16 Jan 2020 11:49

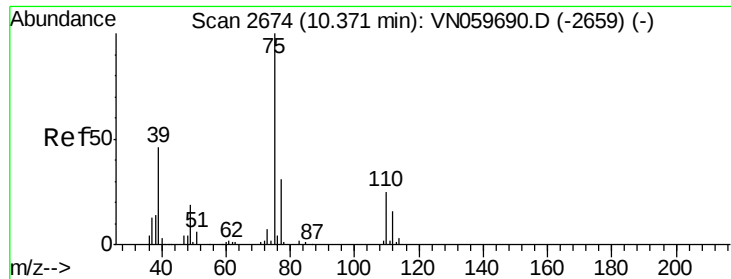
Tgt Ion: 92 Resp: 94021

Ion Ratio Lower Upper

92 100

91 176.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 17.113 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 75 Resp: 57139

Ion Ratio Lower Upper

75 100

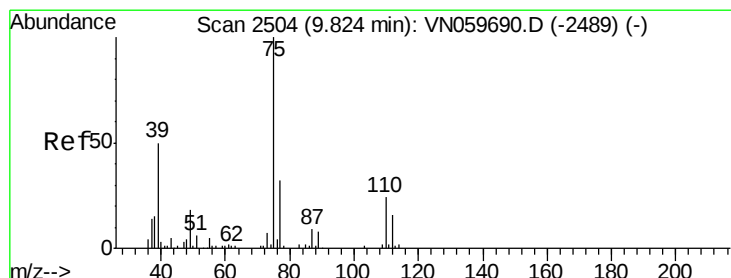
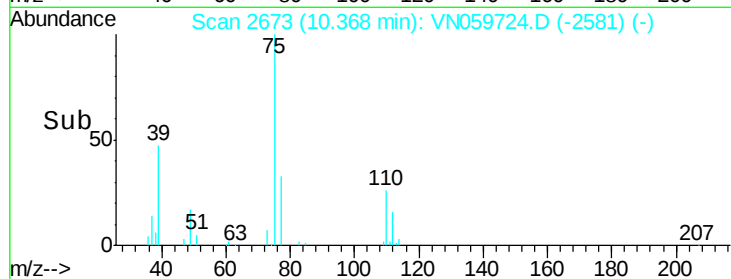
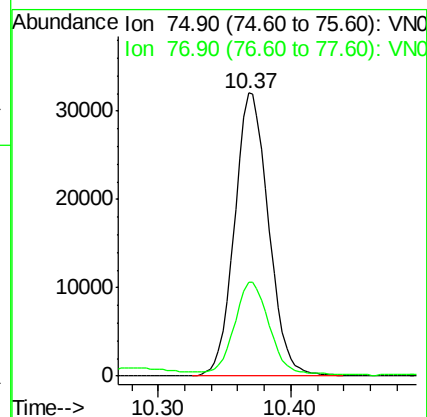
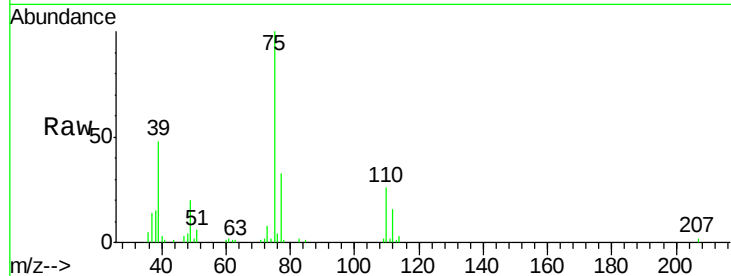
77 32.5 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 17.584 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

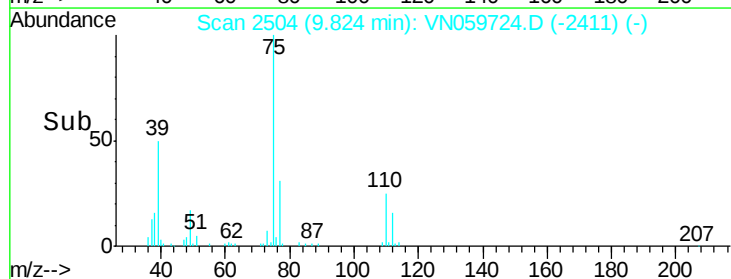
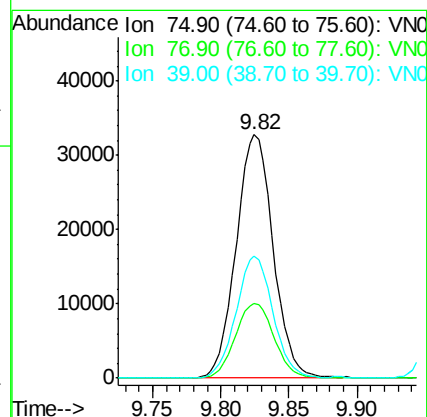
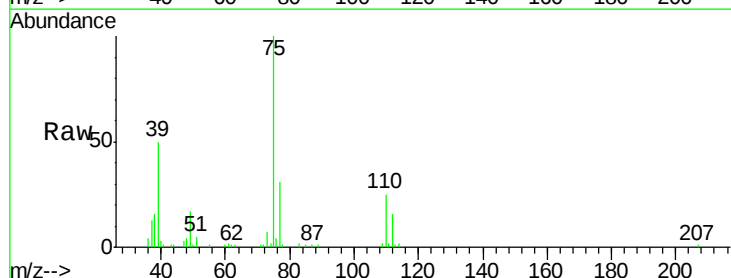
Tgt Ion: 75 Resp: 61775

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7

39 50.0 46.1 69.1





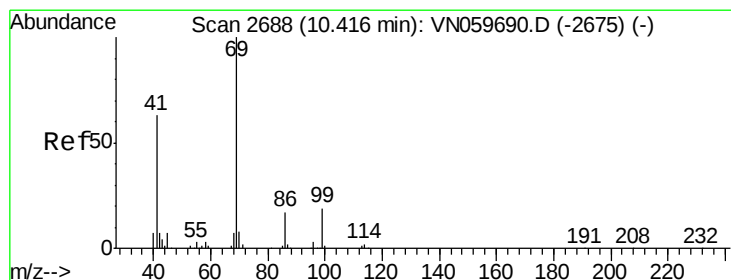
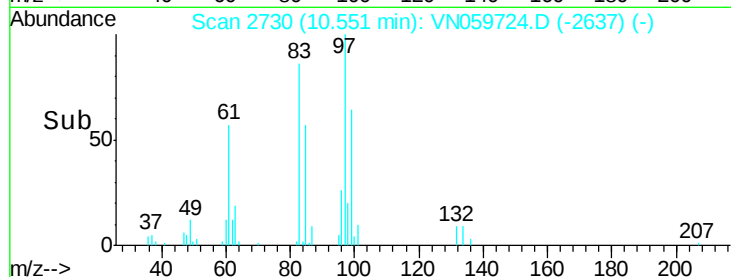
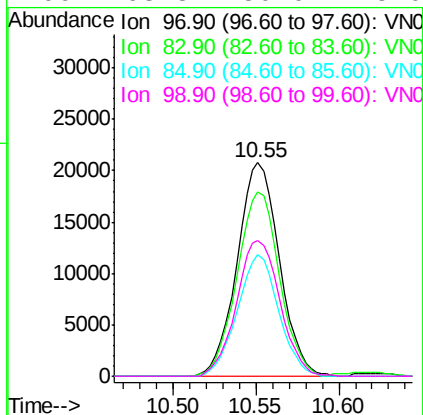
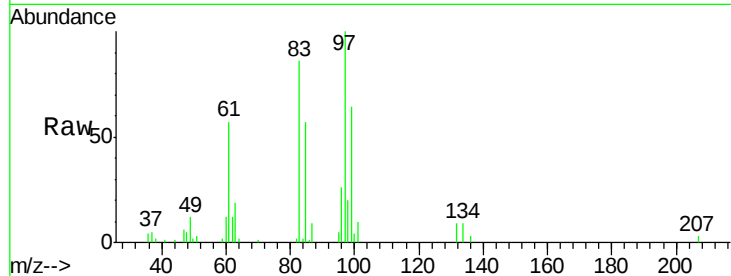
#55
 1,1,2-Trichloroethane
 Concen: 17.283 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	97	Resp	36756
Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.3	106.9
85	56.7	45.8	68.8
99	63.8	50.0	75.0

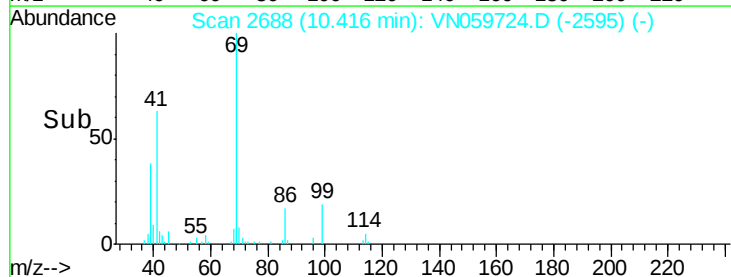
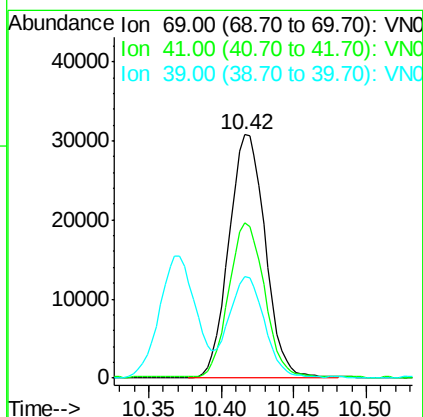
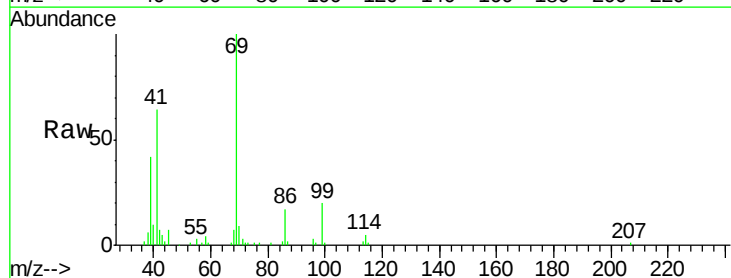
Manual Integrations
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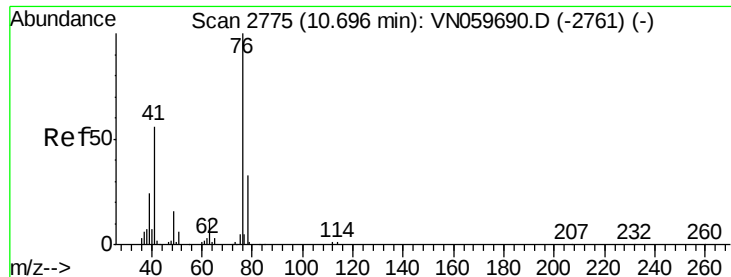
MMDadoda
 1/17/2020 1:52:55 PM



#56
 Ethyl methacrylate
 Concen: 16.564 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	69	Resp	53825
Ion	Ratio	Lower	Upper
69	100		
41	61.5	57.1	85.7
39	41.6	34.7	52.1





#57

1,3-Dichloropropane

Concen: 17.954 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 76 Resp: 60617

Ion Ratio Lower Upper

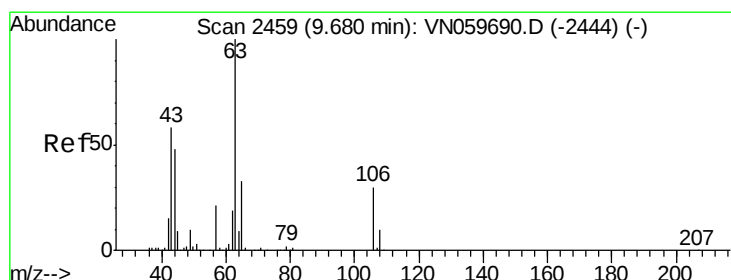
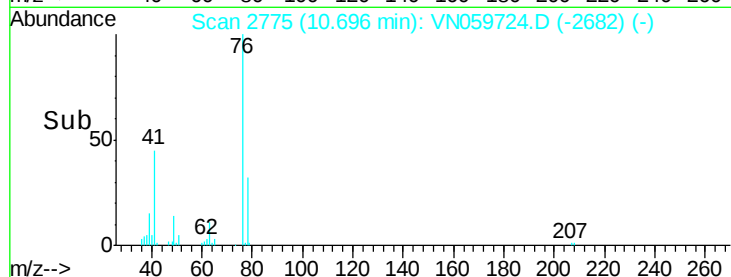
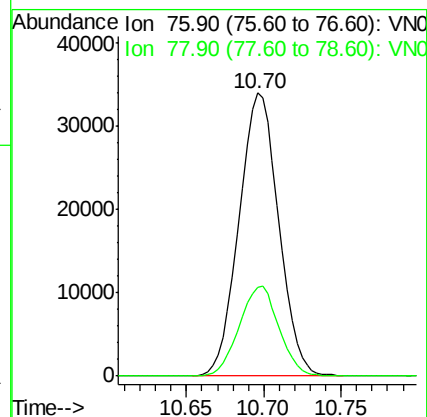
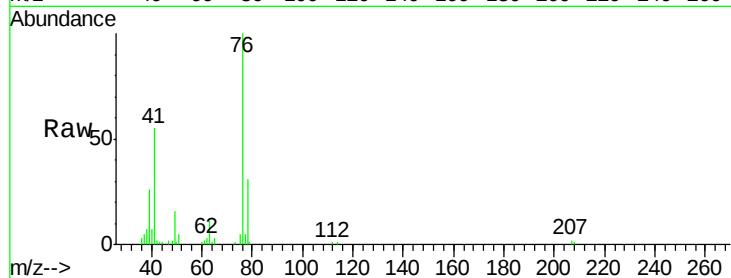
76 100

78 31.7 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 93.875 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059724.D

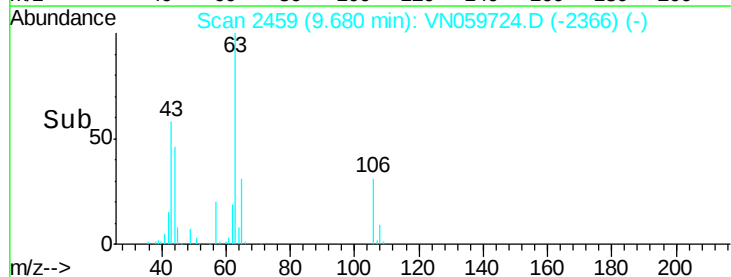
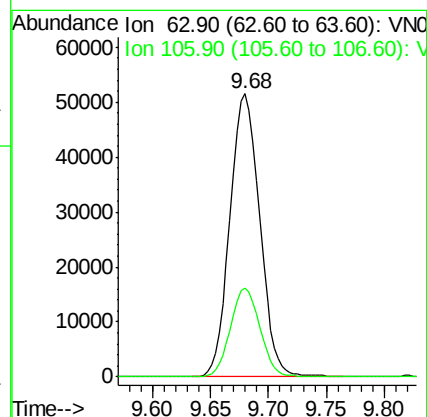
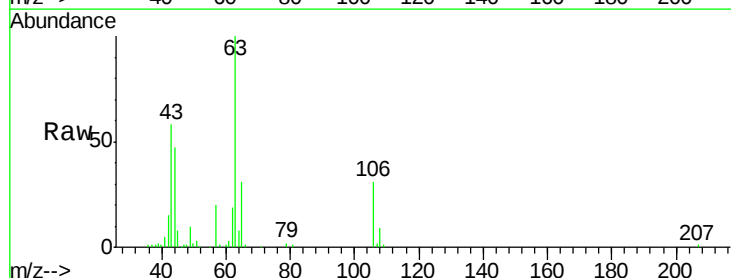
Acq: 16 Jan 2020 11:49

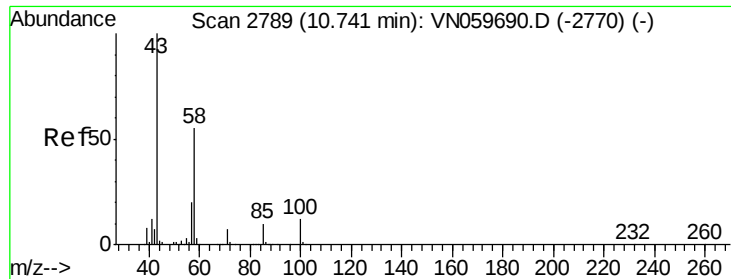
Tgt Ion: 63 Resp: 91882

Ion Ratio Lower Upper

63 100

106 31.0 20.2 30.2#





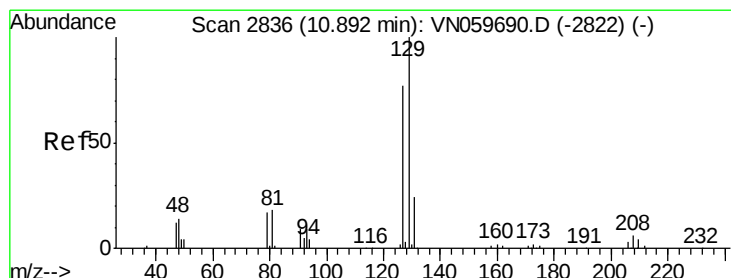
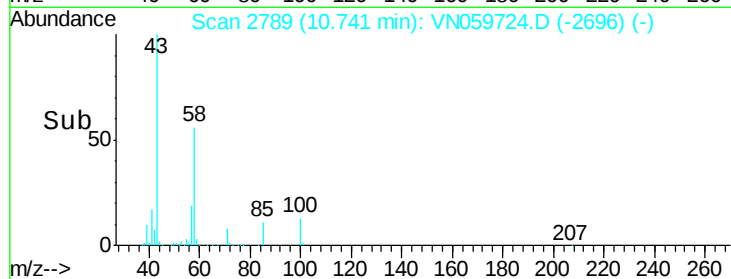
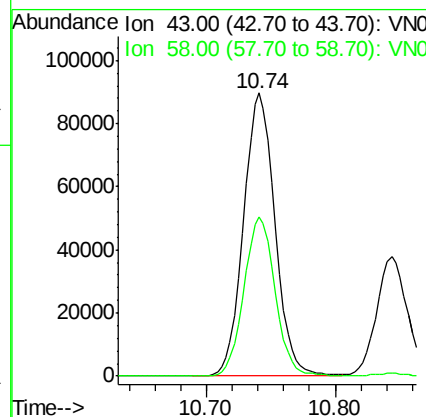
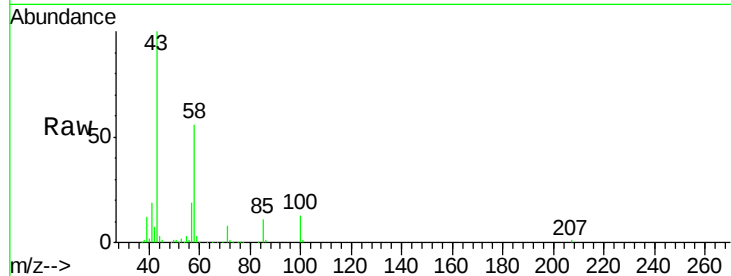
#59
2-Hexanone
Concen: 77.842 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion: 43 Resp: 152439
Ion Ratio Lower Upper
43 100
58 55.6 25.8 77.3

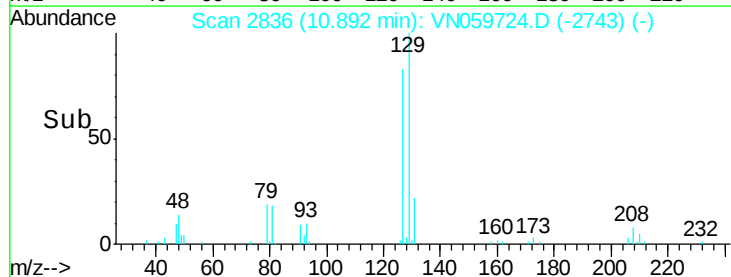
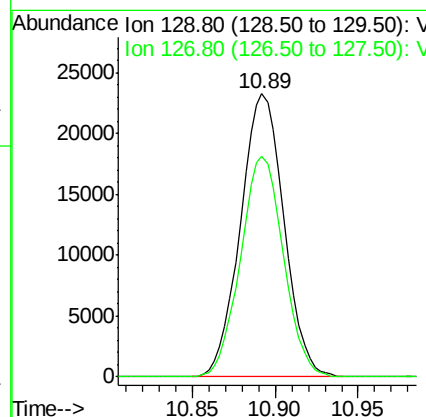
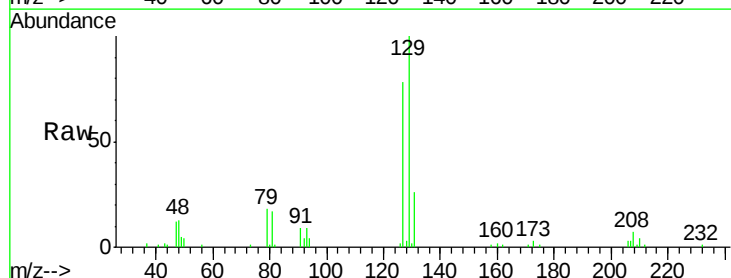
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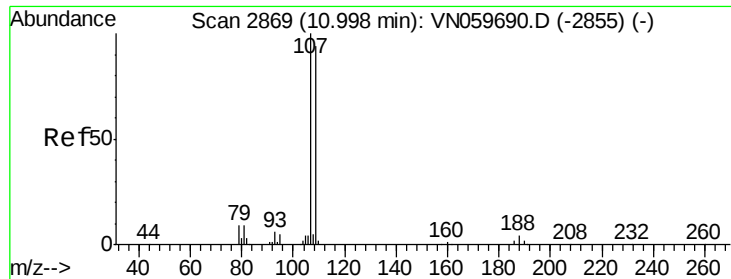
MMDadoda
1/17/2020 1:52:55 PM



#60
Dibromochloromethane
Concen: 17.548 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion: 129 Resp: 42498
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





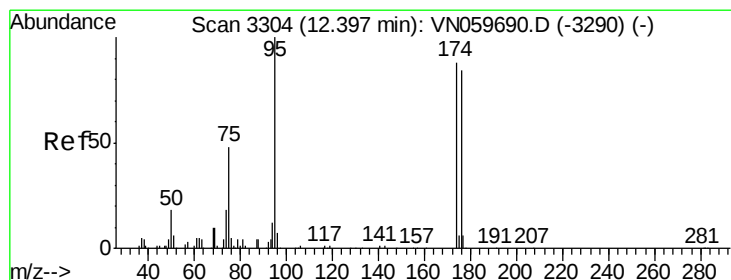
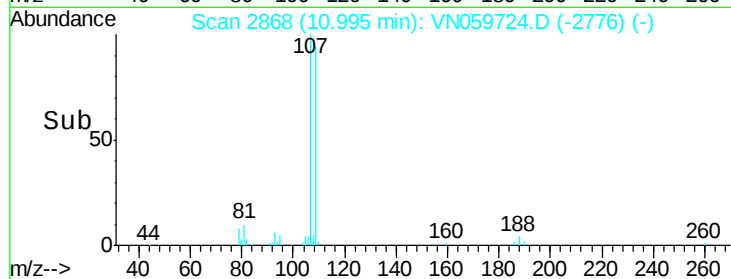
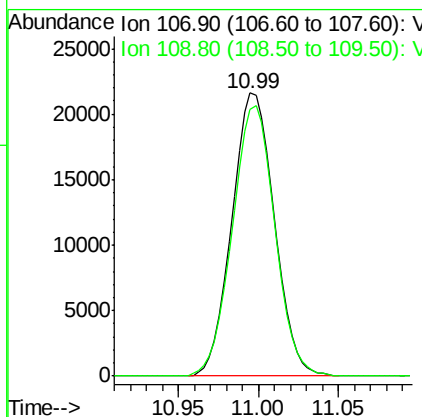
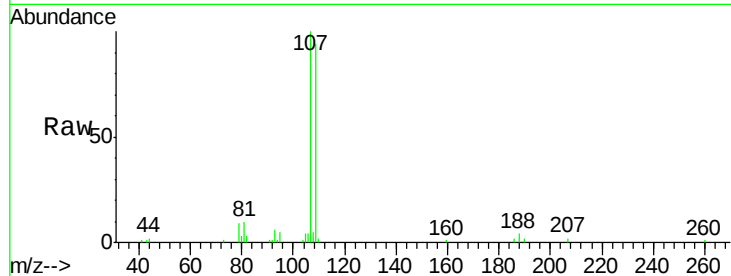
#61
 1,2-Dibromoethane
 Concen: 17.523 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	76.6	115.0

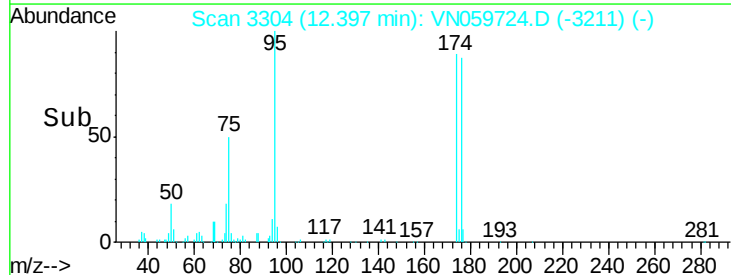
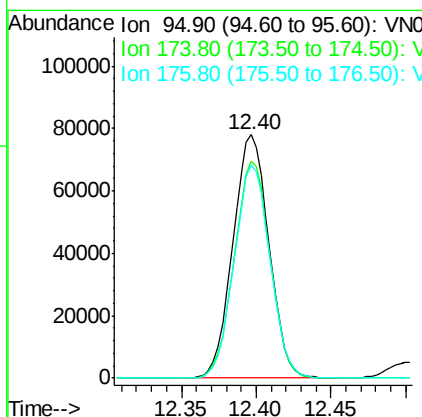
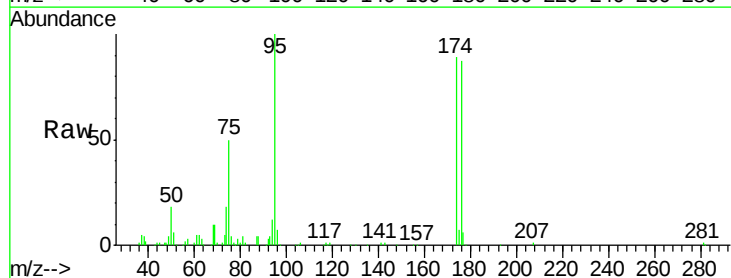
Manual Integrations
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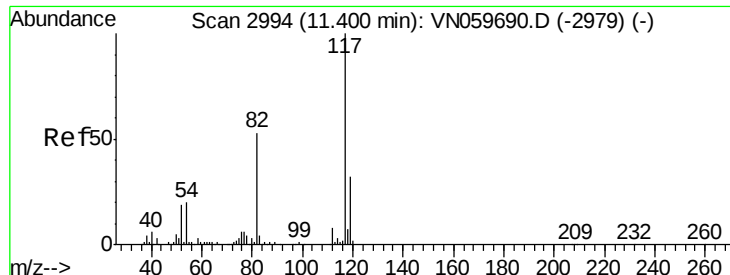
MMDadoda
 1/17/2020 1:52:55 PM



#62
 4-Bromofluorobenzene
 Concen: 47.953 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	151.4
176	87.0	0.0	146.0





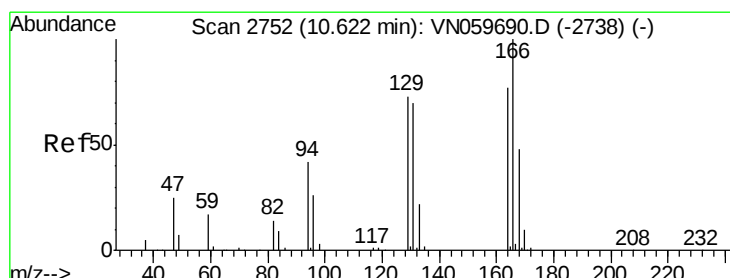
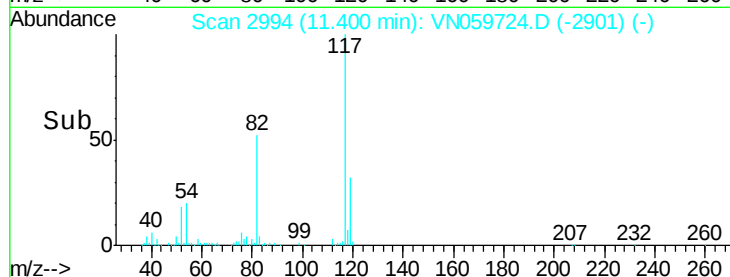
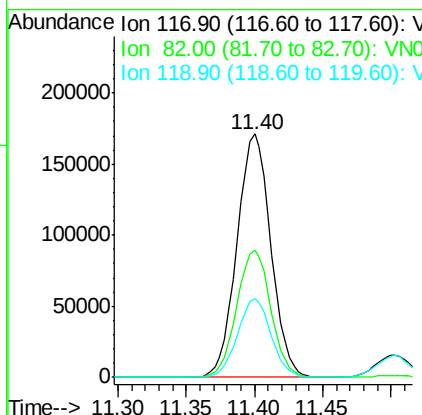
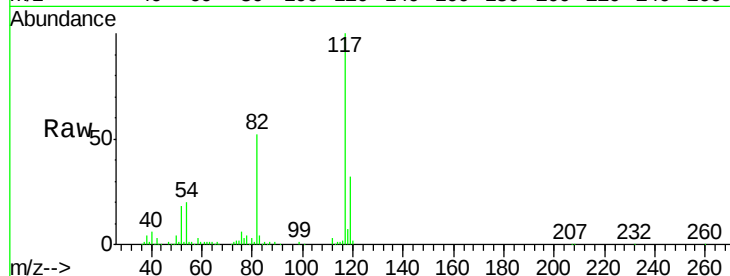
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295028		
82	52.3		45.9	68.9
119	32.2		25.5	38.3

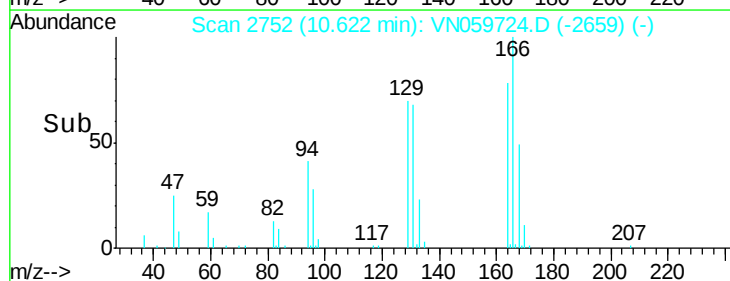
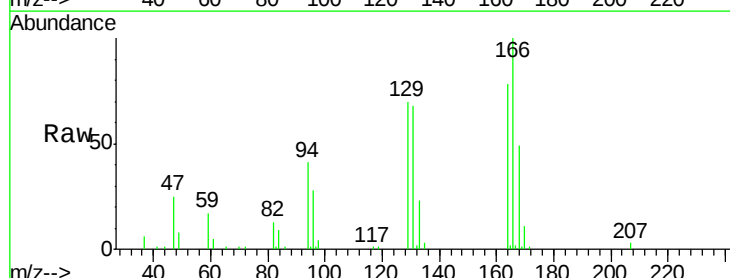
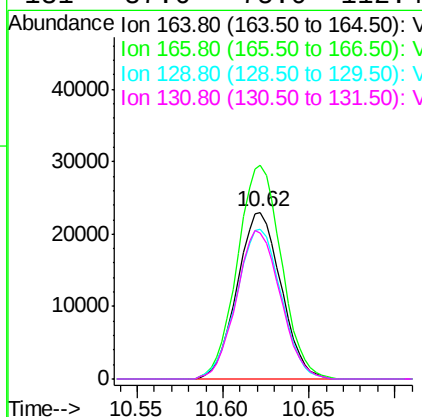
Manual Integrations
APPROVED

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1/17/2020 1:52:55 PM



#64
Tetrachloroethene
Concen: 16.985 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40841		
166	128.2		101.4	152.0
129	90.1		80.2	120.4
131	87.6		75.0	112.4





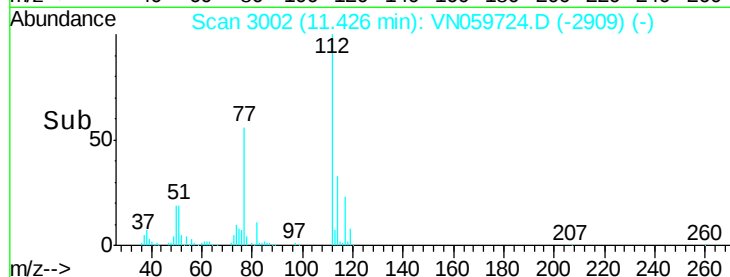
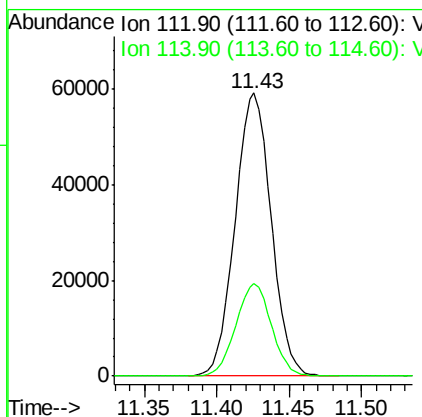
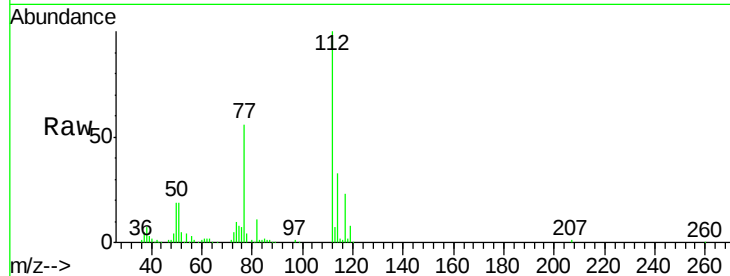
#65
Chlorobenzene
Concen: 17.675 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion:112 Resp: 102497
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8

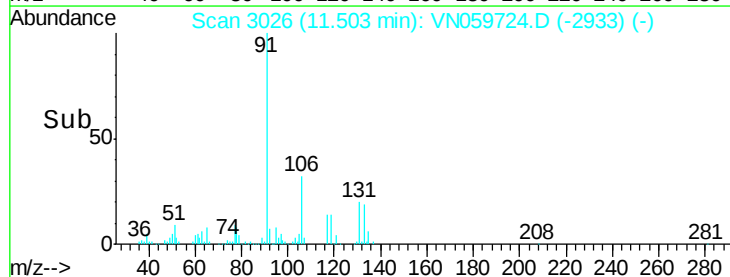
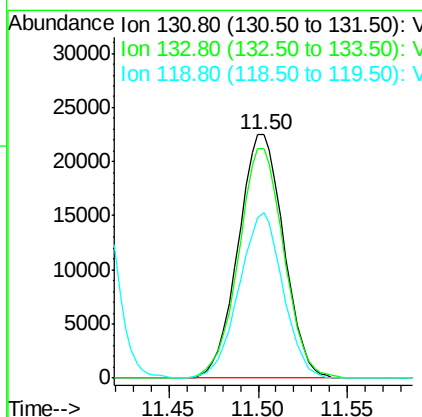
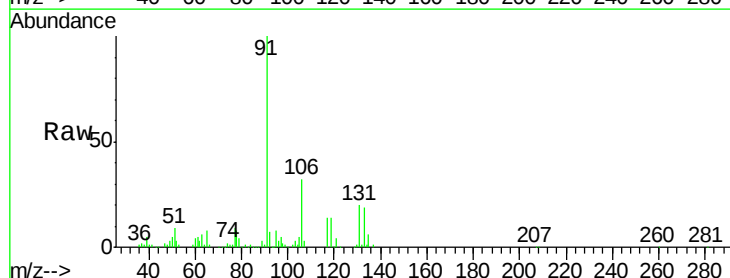
Manual Integrations
APPROVED

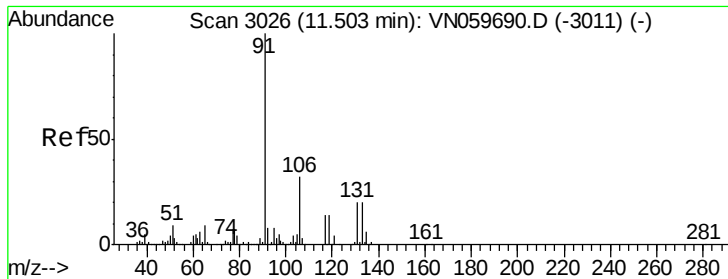
MMDadoda
1/17/2020 1:52:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.879 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion:131 Resp: 40062
Ion Ratio Lower Upper
131 100
133 94.0 47.4 142.2
119 65.6 33.1 99.3





#67

Ethyl Benzene

Concen: 17.421 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 91 Resp: 183390

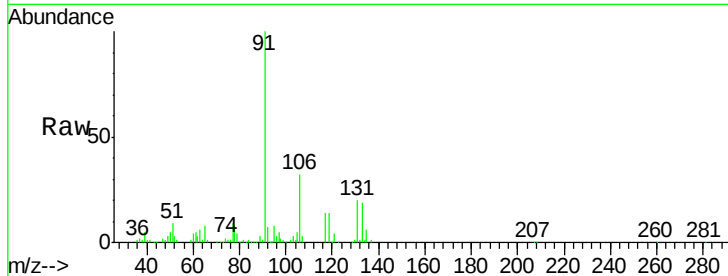
Ion Ratio Lower Upper

91 100

106 31.6 24.1 36.1

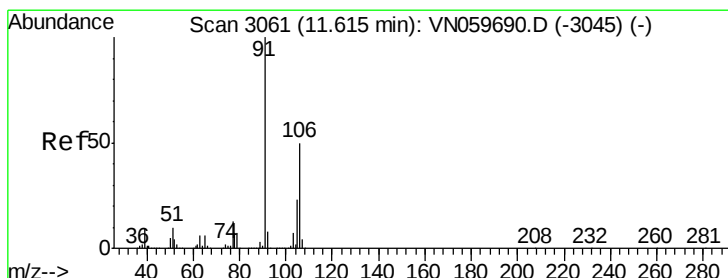
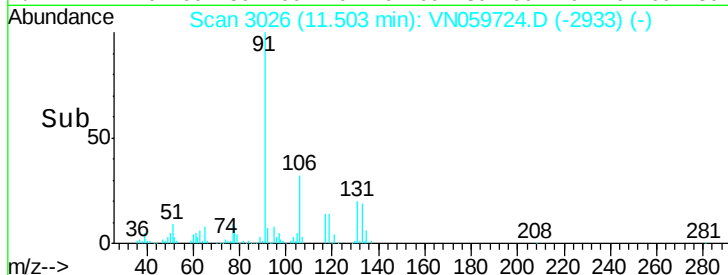
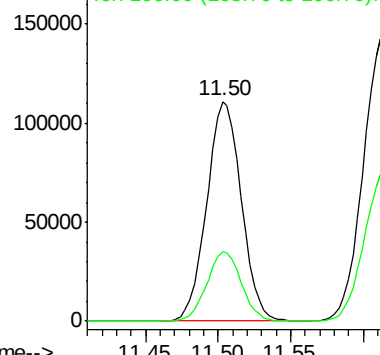
Manual Integrations
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1/17/2020 1:52:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 35.619 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059724.D

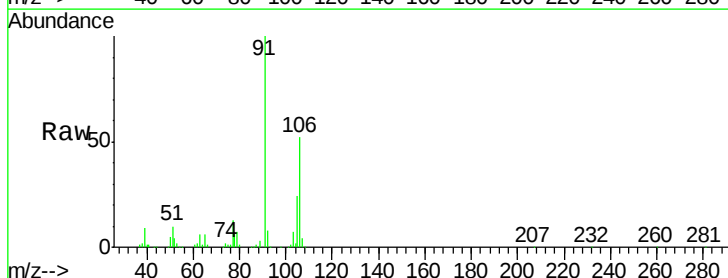
Acq: 16 Jan 2020 11:49

Tgt Ion: 106 Resp: 141637

Ion Ratio Lower Upper

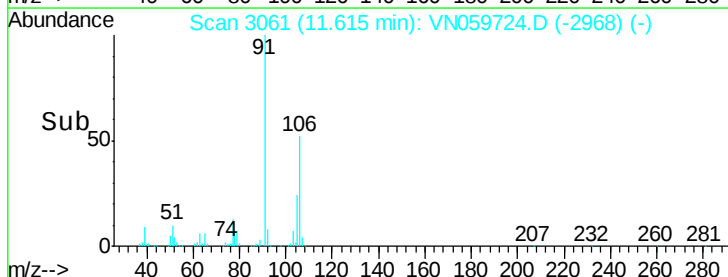
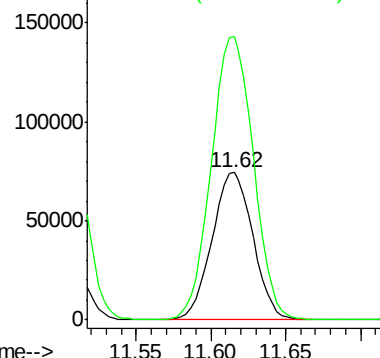
106 100

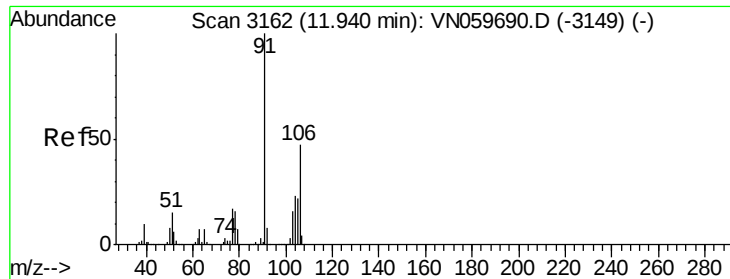
91 198.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





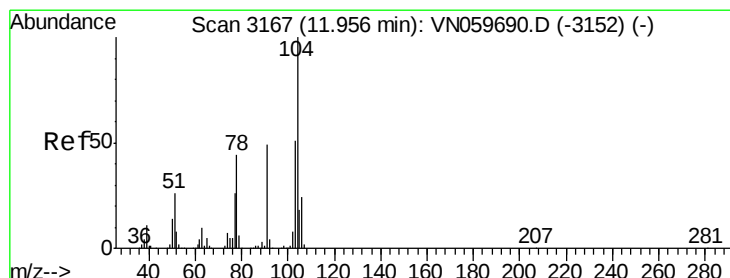
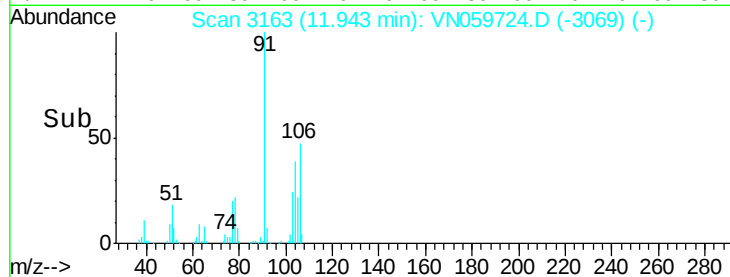
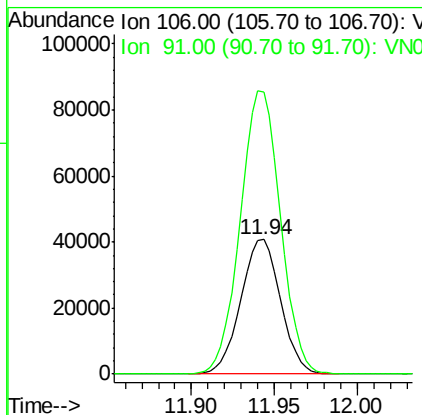
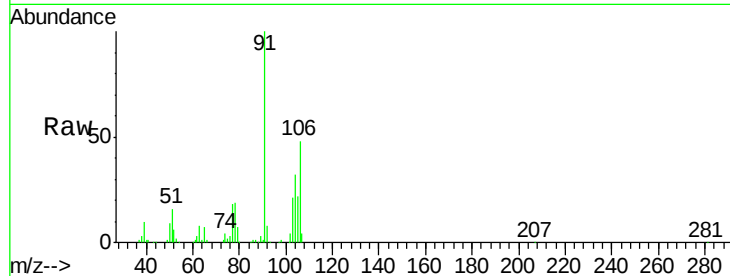
#69
o-Xylene
Concen: 17.480 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion:106 Resp: 68048
Ion Ratio Lower Upper
106 100
91 212.4 110.3 330.9

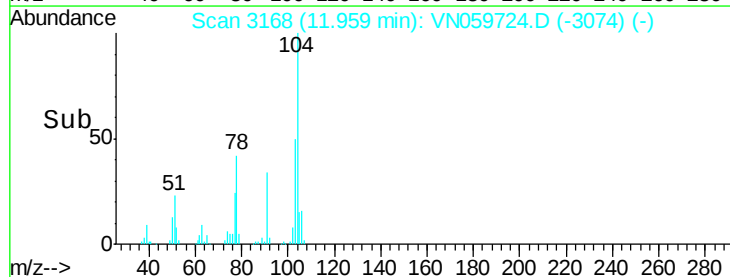
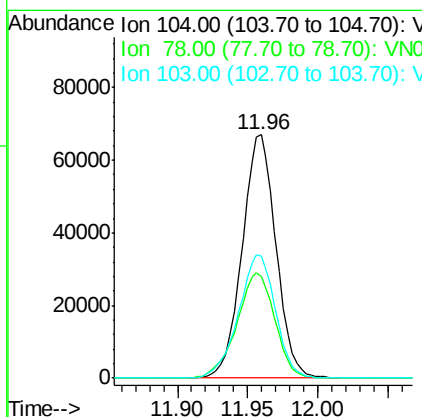
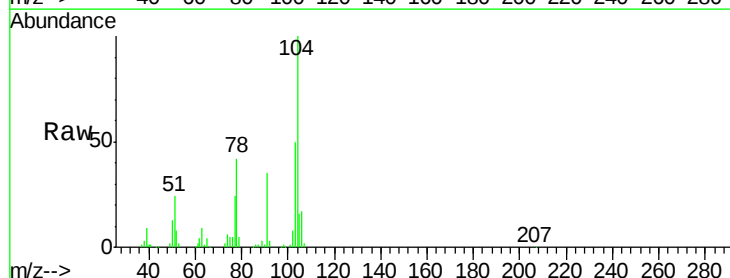
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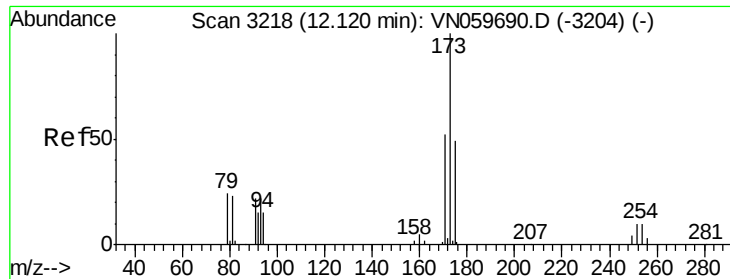
MMDadoda
1/17/2020 1:52:55 PM



#70
Styrene
Concen: 17.287 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion:104 Resp: 112611
Ion Ratio Lower Upper
104 100
78 48.5 42.4 63.6
103 55.3 43.9 65.9





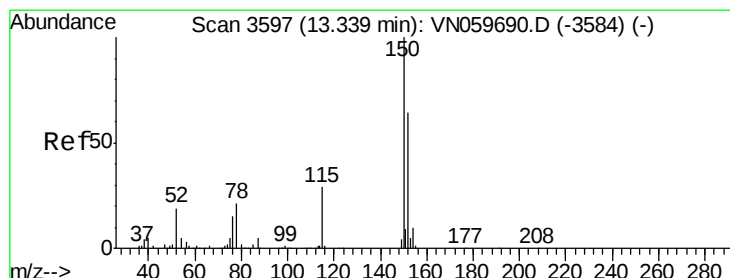
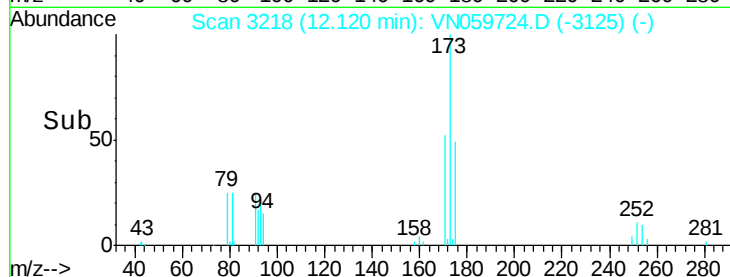
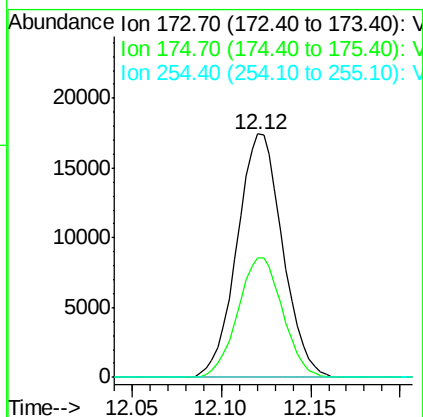
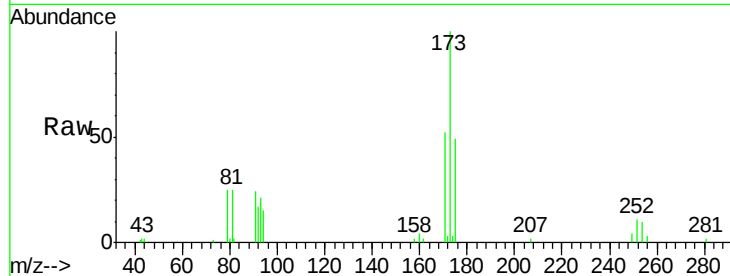
#71
Bromoform
Concen: 17.308 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.0	0.0	0.0

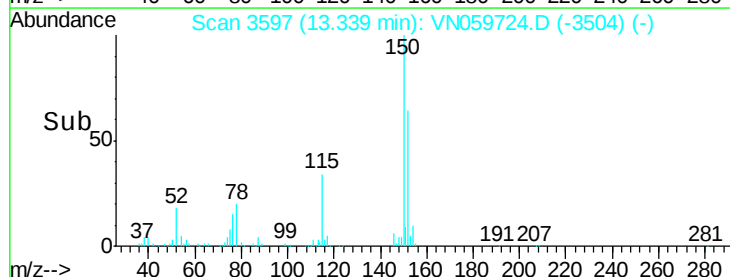
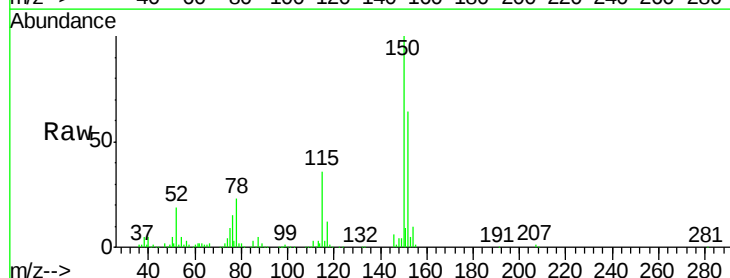
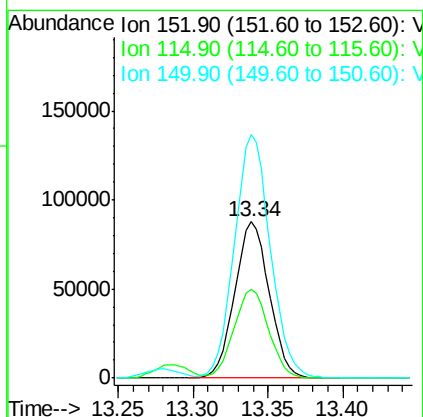
Manual Integrations
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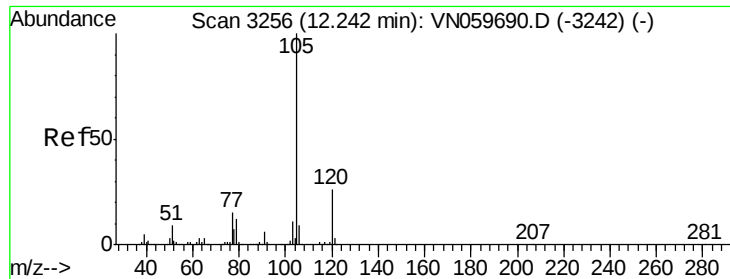
MMDadoda
1/17/2020 1:52:55 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	30.3	90.9
150	162.3	0.0	345.2





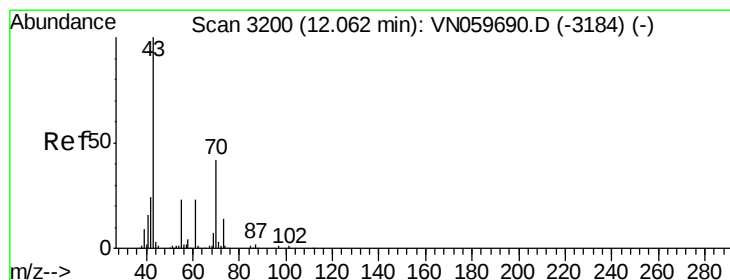
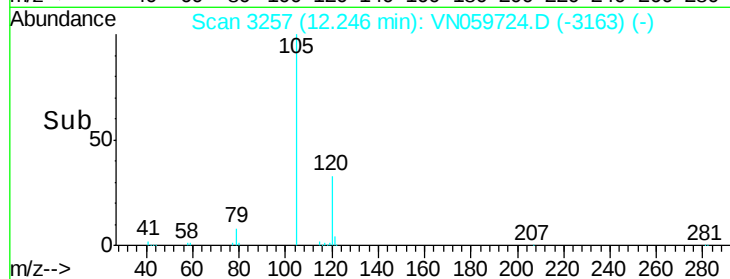
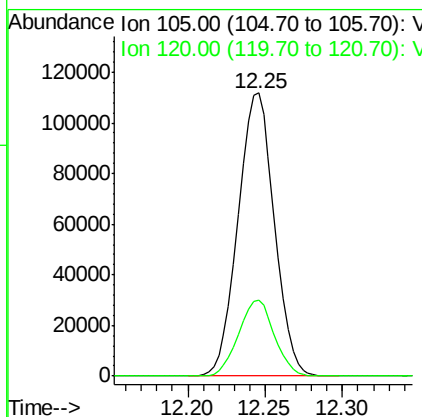
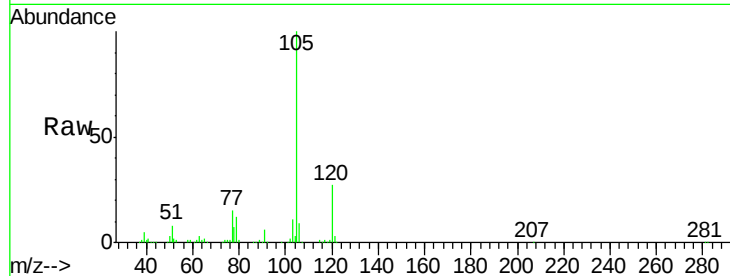
#73
Isopropylbenzene
Concen: 17.656 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

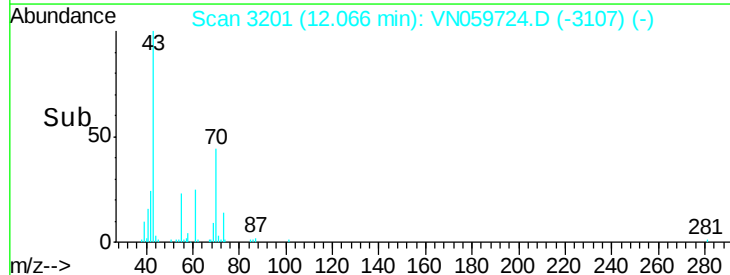
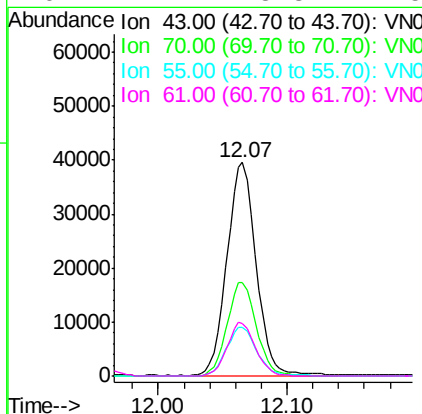
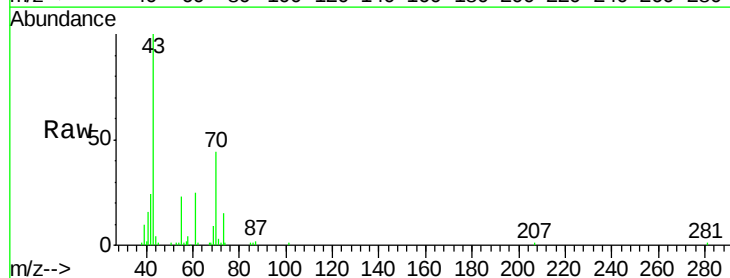
Manual Integrations
APPROVED

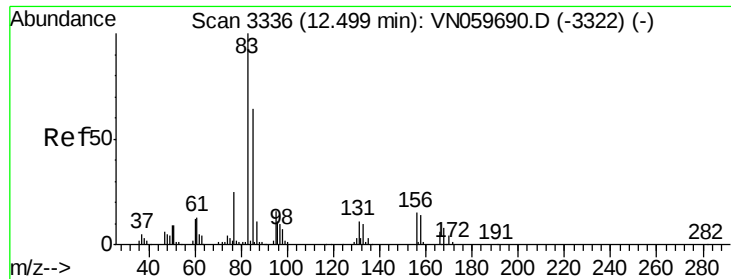
MMDadoda
1/17/2020 1:52:55 PM



#74
N-ethyl acetate
Concen: 15.615 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.7	31.3	46.9
55	23.6	19.8	29.6
61	24.1	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.969 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

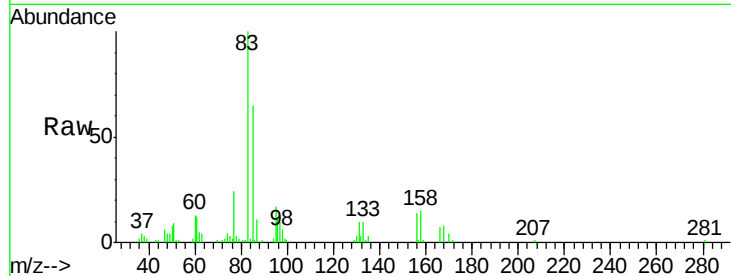
ClientSampleId :

VN0116WBS01

Tot Ion:	83	Resp:	50822
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	14.9
85	64.1	31.9	95.5

Manual Integrations
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1/17/2020 1:52:55 PM



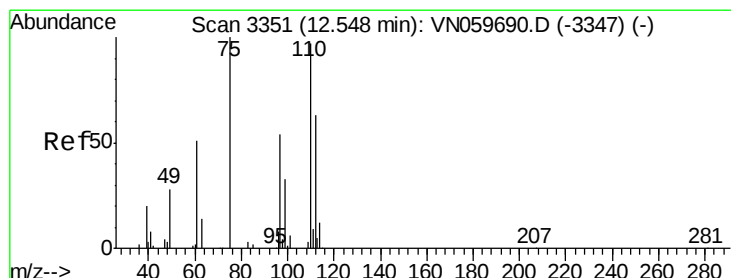
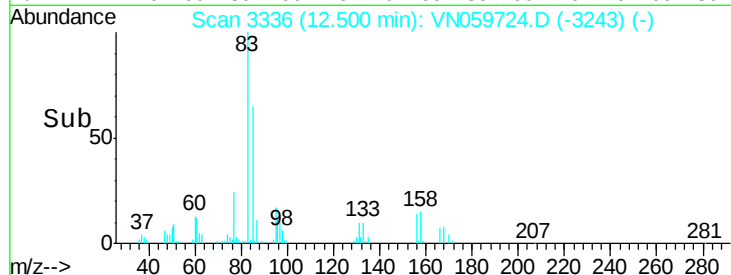
Abundance Ion 82.90 (82.60 to 83.60): VN059724.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059724.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059724.D (-3243) (-)

Time-->

12.50



#76

1,2,3-Trichloropropane

Concen: 19.539 ug/l m

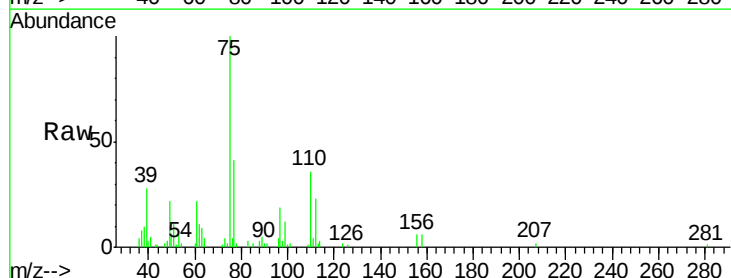
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Tgt Ion:	75	Resp:	46319
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

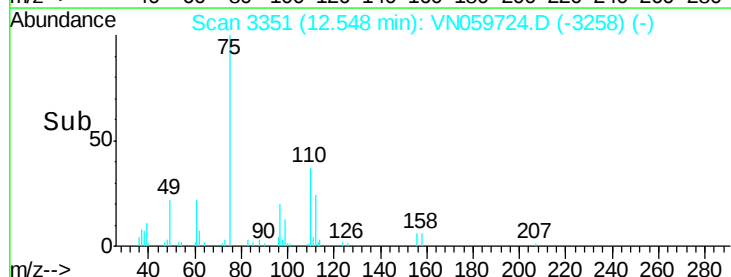


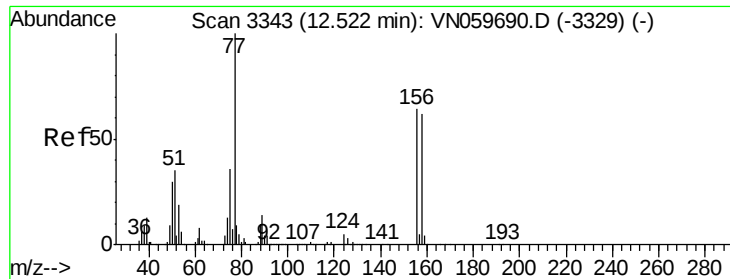
Abundance Ion 74.90 (74.60 to 75.60): VN059724.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059724.D (-3258) (-)

Time-->

12.55





#77

Bromobenzene

Concen: 17.808 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

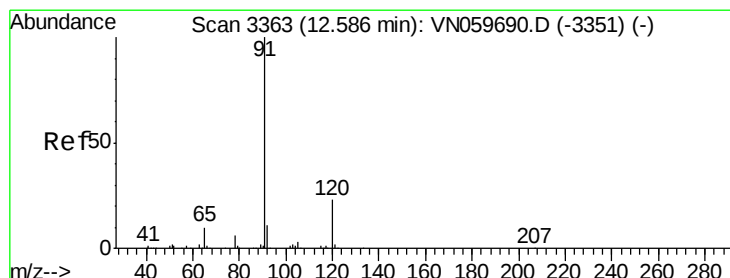
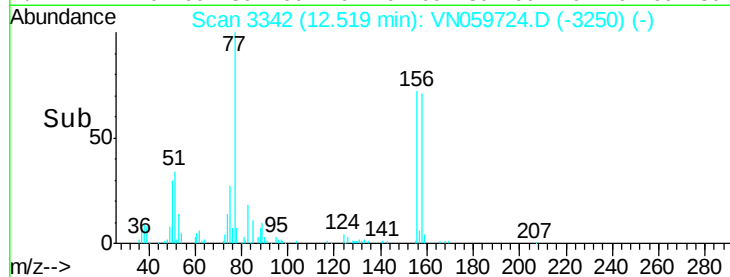
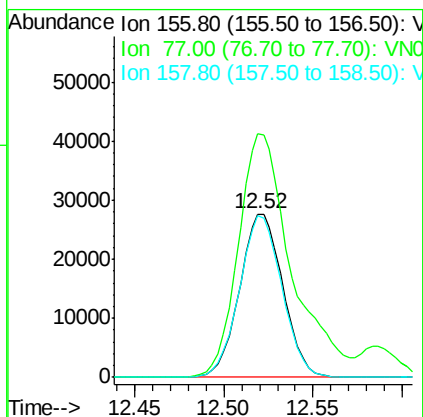
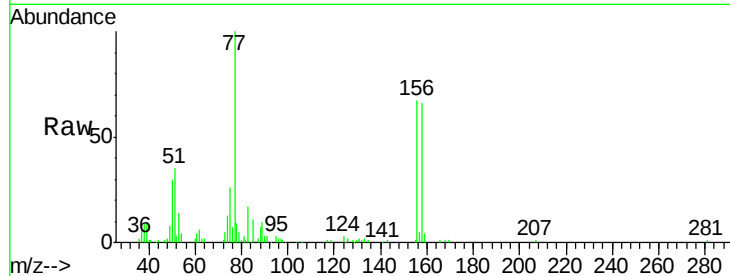
ClientSampleId :

VN0116WBS01

Tot Ion:	156	Resp:	46588
Ion	Ratio	Lower	Upper
156	100		
77	183.8	115.8	347.4
158	98.0	49.2	147.6

Manual Integrations
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1/17/2020 1:52:55 PM



#78

n-propylbenzene

Concen: 17.469 ug/l

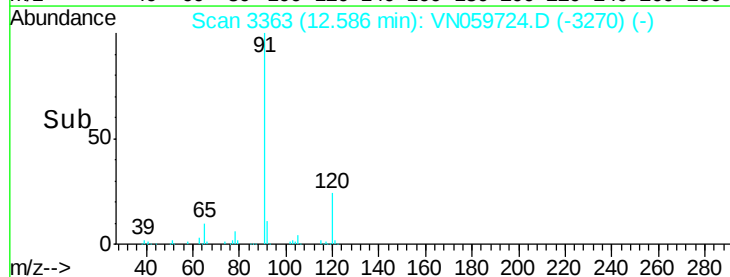
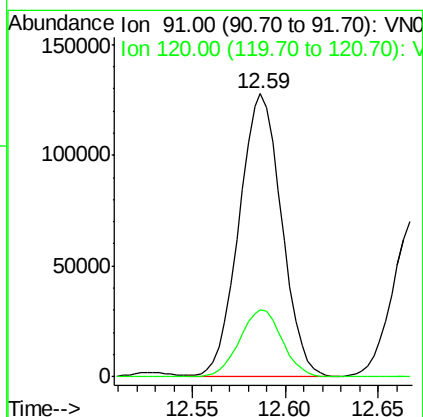
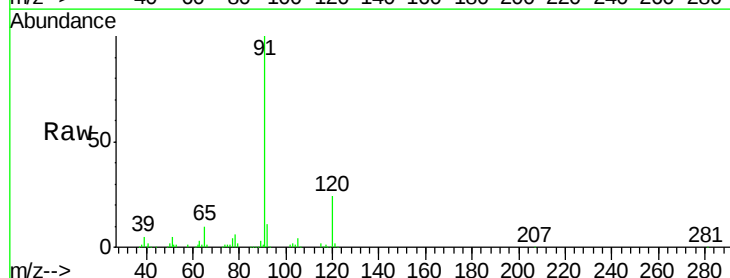
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Tgt Ion:	91	Resp:	202567
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 17.281 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 91 Resp: 119209

Ion Ratio Lower Upper

91 100

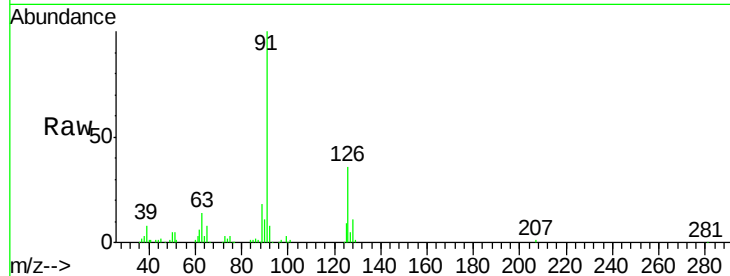
126 36.0 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN059724.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059724.D (-3376) (-)

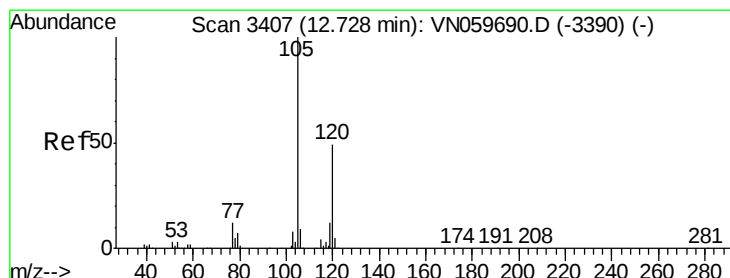
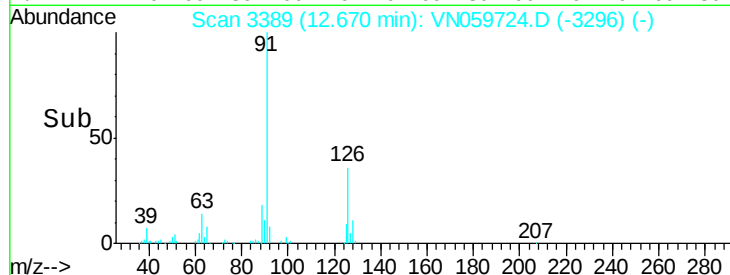
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.635 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059724.D

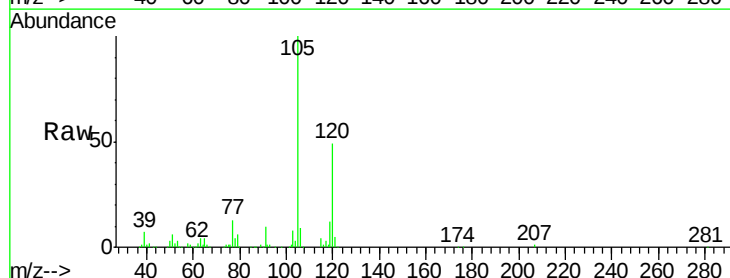
Acq: 16 Jan 2020 11:49

Tgt Ion: 105 Resp: 153221

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059724.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059724.D (-3390) (-)

100000

80000

60000

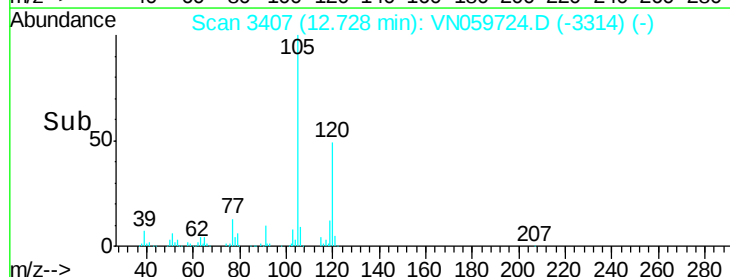
40000

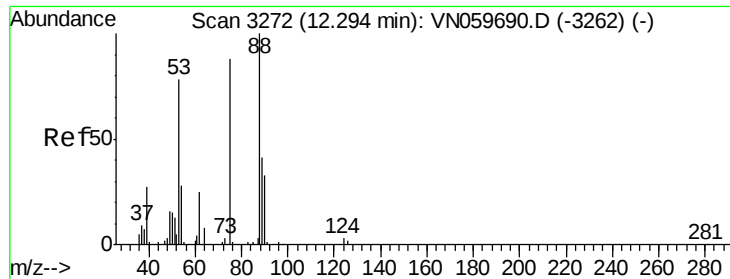
20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.788 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 75 Resp: 17428

Ion Ratio Lower Upper

75 100

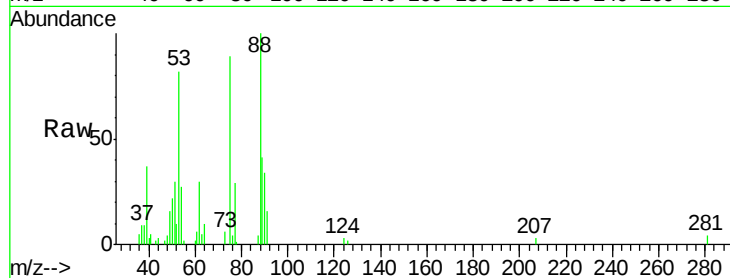
53 88.6 78.1 117.1

89 47.0 35.4 53.2

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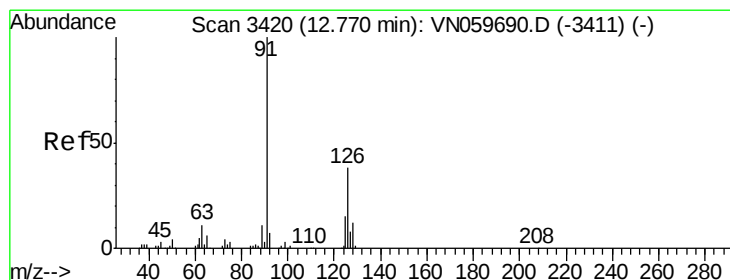
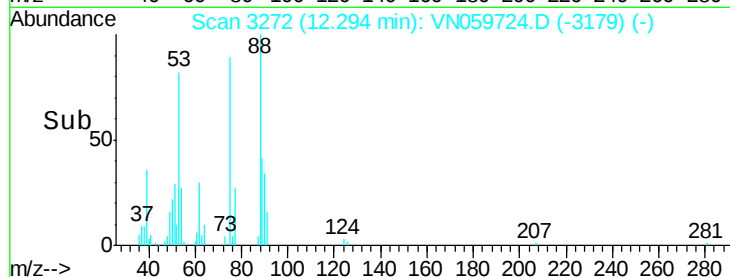
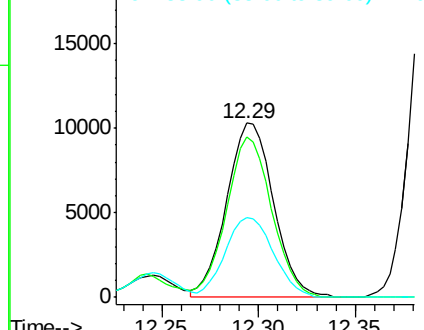
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Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN059690.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN059690.D (-3262) (-)



#82

4-Chlorotoluene

Concen: 17.363 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059724.D

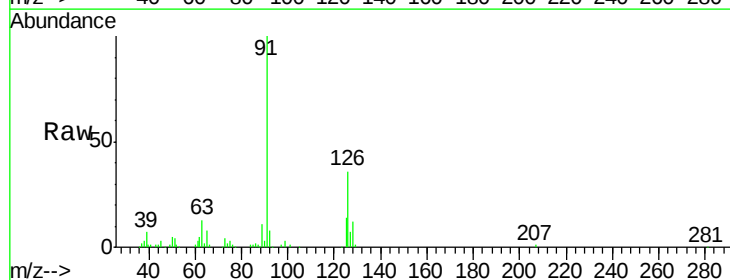
Acq: 16 Jan 2020 11:49

Tgt Ion: 91 Resp: 120131

Ion Ratio Lower Upper

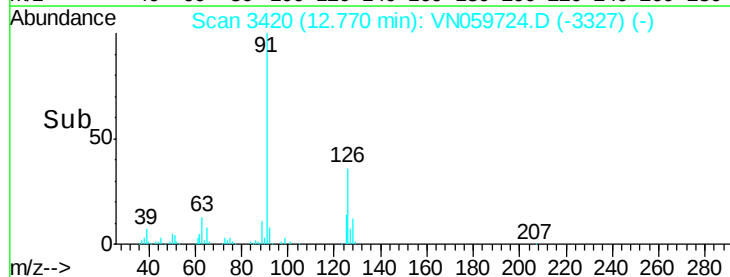
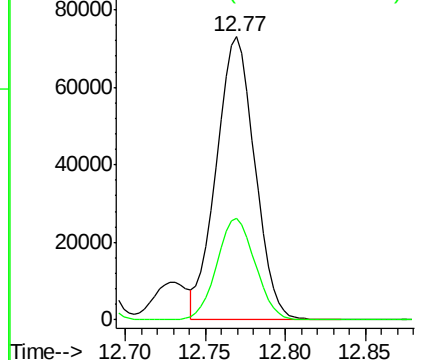
91 100

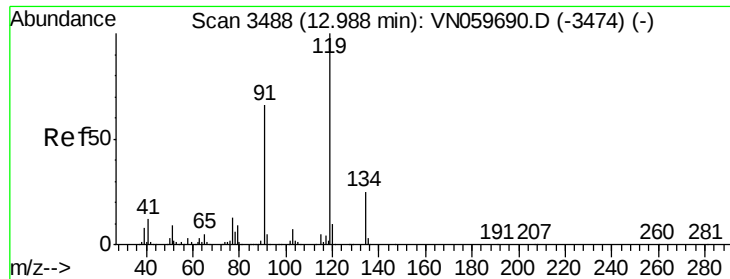
126 36.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3411) (-)

Ion 125.90 (125.60 to 126.60): VN059690.D (-3411) (-)





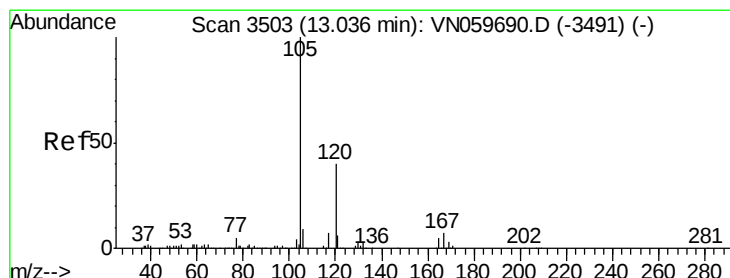
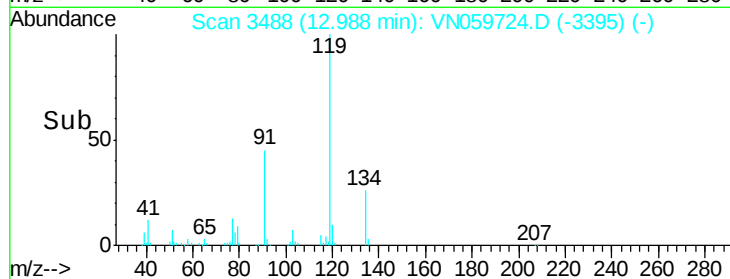
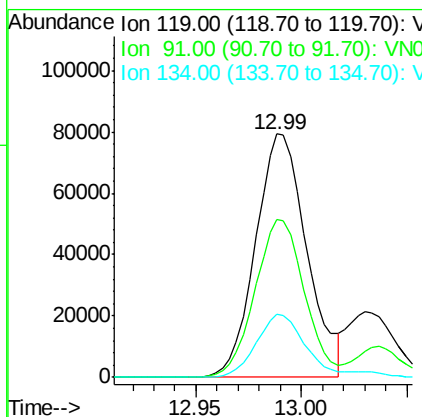
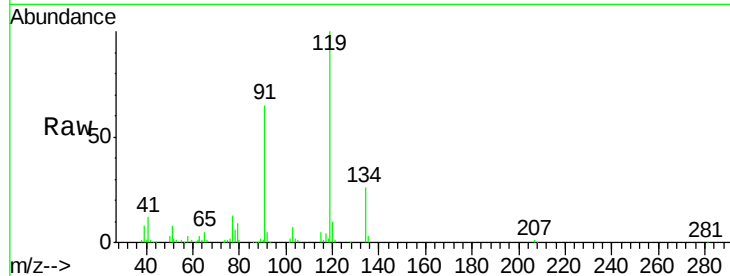
#83
 tert-Butylbenzene
 Concen: 17.834 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	34.8	104.4
134	26.2	12.3	36.9

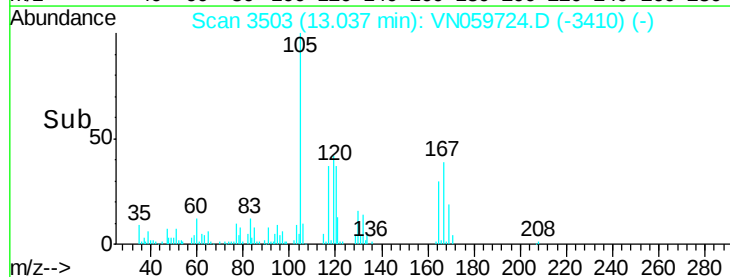
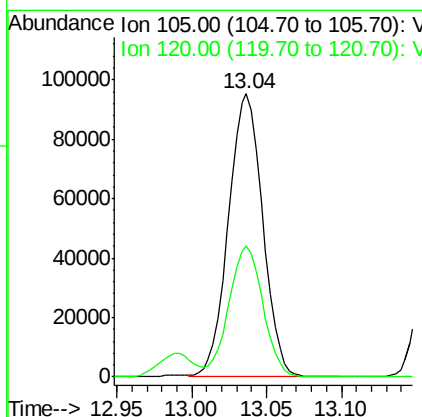
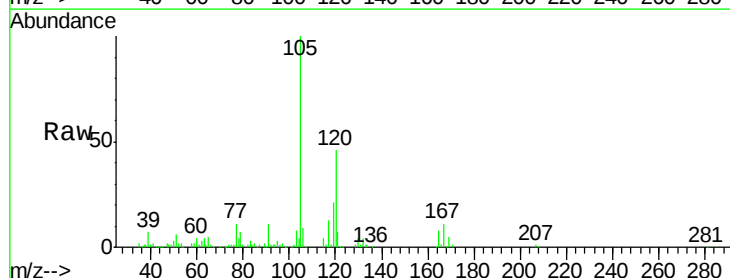
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.687 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9





#85

sec-Butylbenzene

Concen: 17.676 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion:105 Resp: 174509

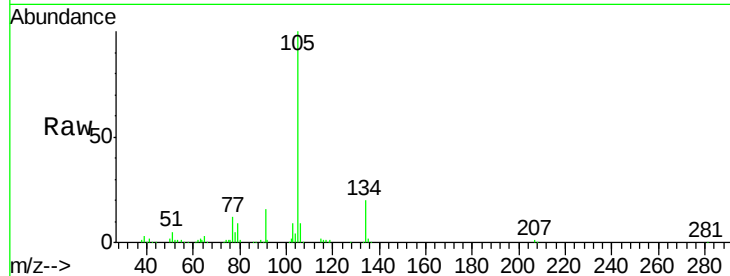
Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

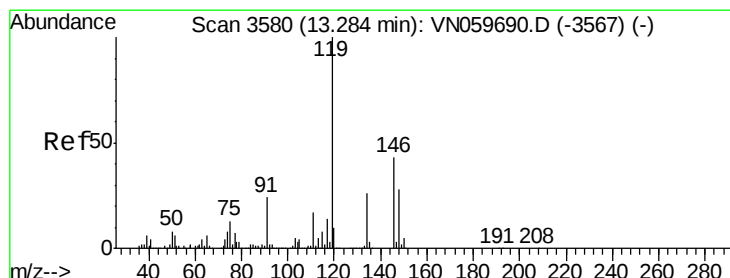
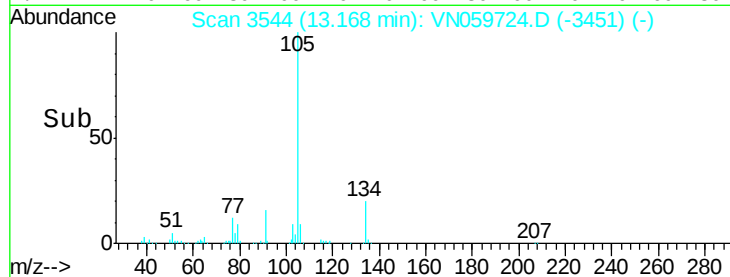
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 17.544 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

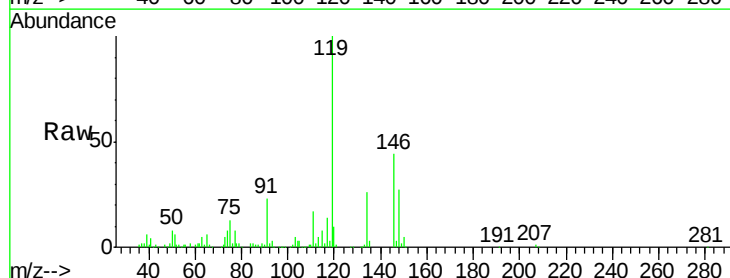
Tgt Ion:119 Resp: 160269

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

91 23.1 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

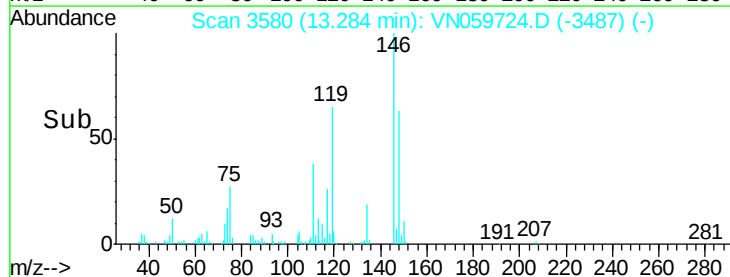
100000

50000

0

13.20 13.25 13.30 13.35

Time-->





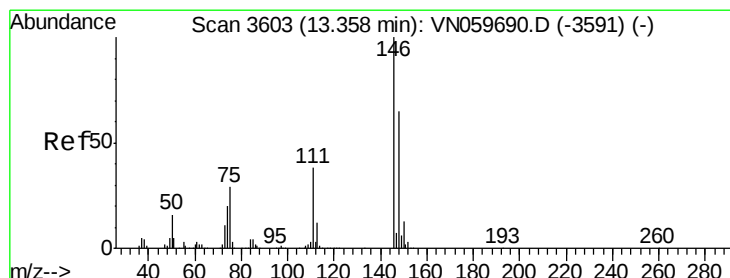
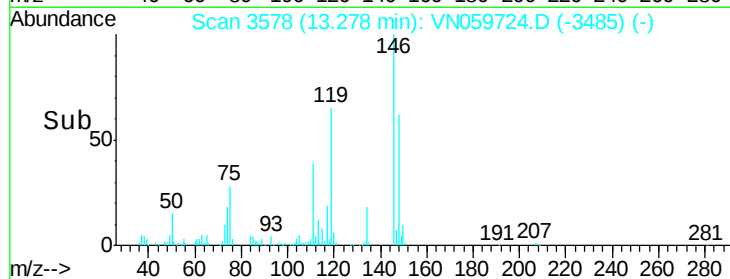
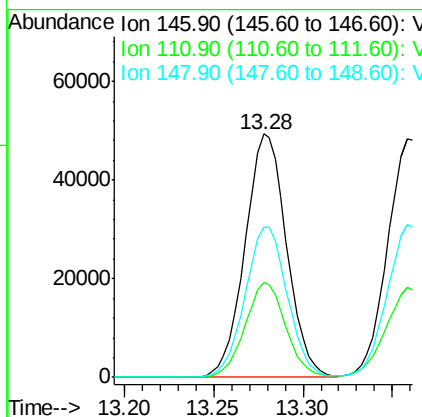
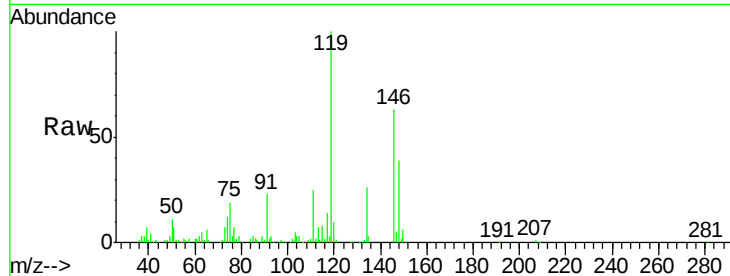
#87
 1,3-Dichlorobenzene
 Concen: 17.660 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	62.7	32.0	96.0

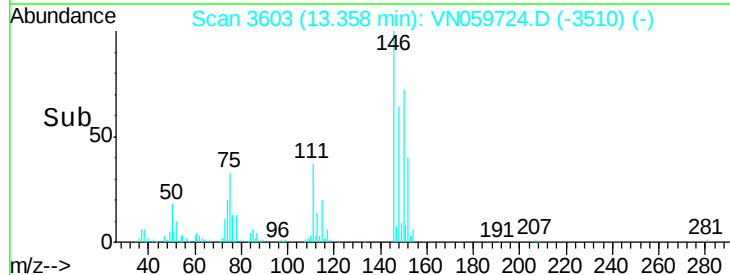
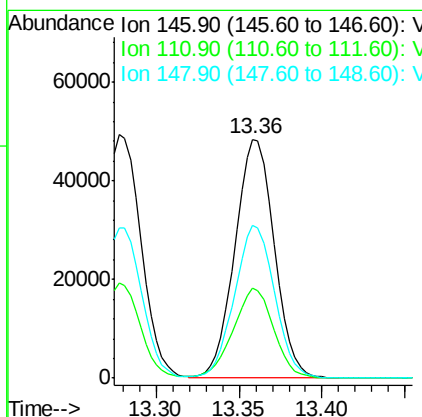
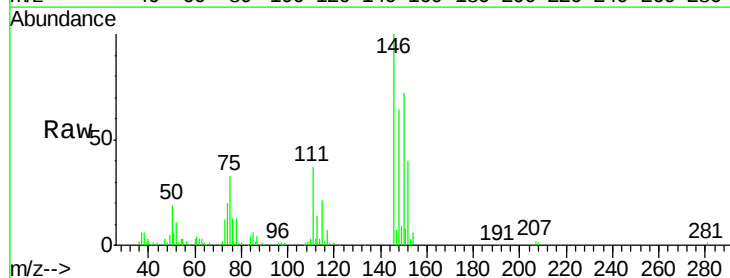
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 17.716 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.8	62.2
148	64.8	31.8	95.4





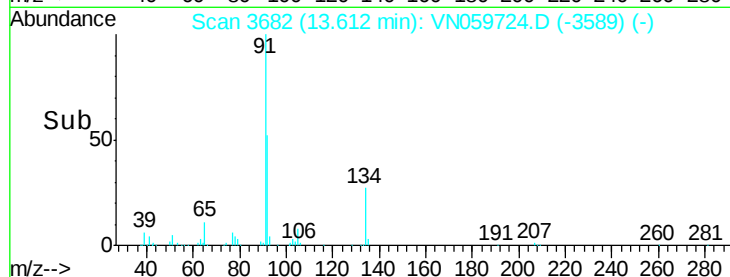
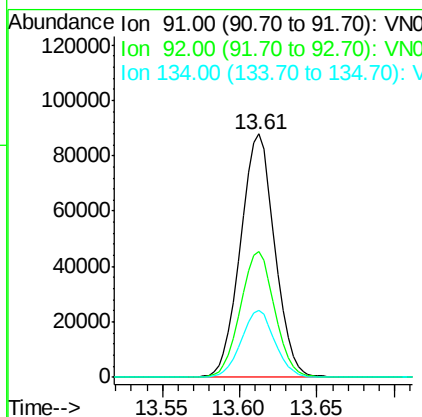
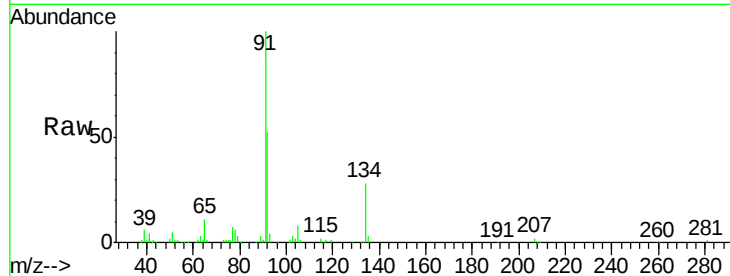
#89
n-Butylbenzene
Concen: 17.422 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	27.0	12.3	36.8

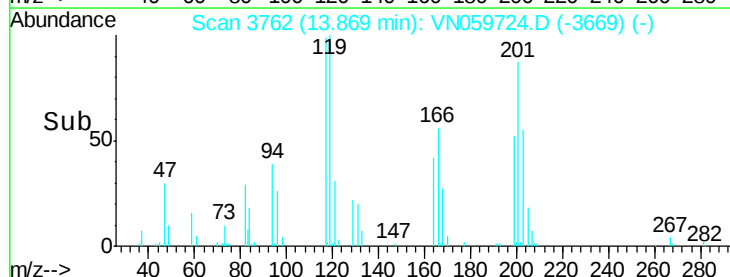
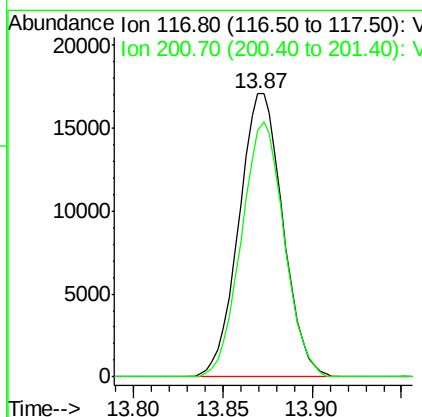
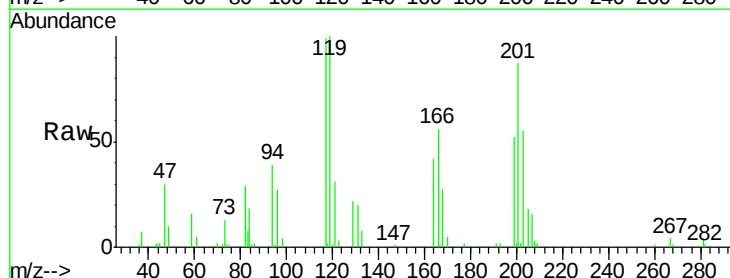
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1/17/2020 1:52:55 PM



#90
Hexachloroethane
Concen: 17.224 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059724.D
Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	37.8	113.4





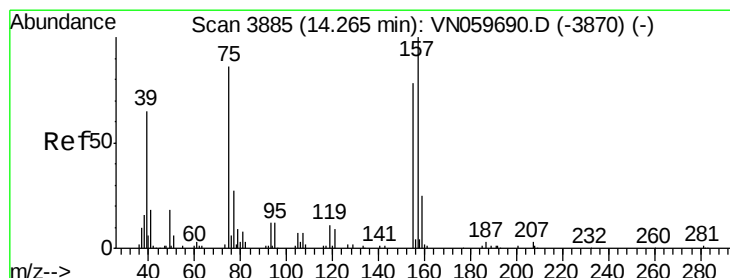
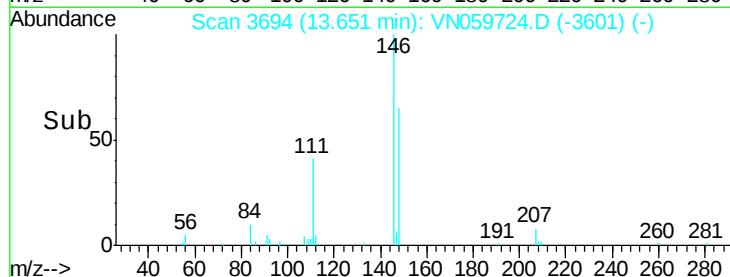
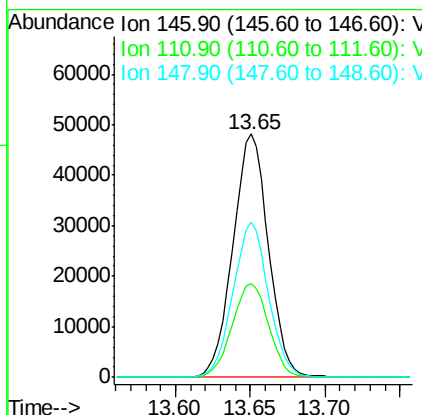
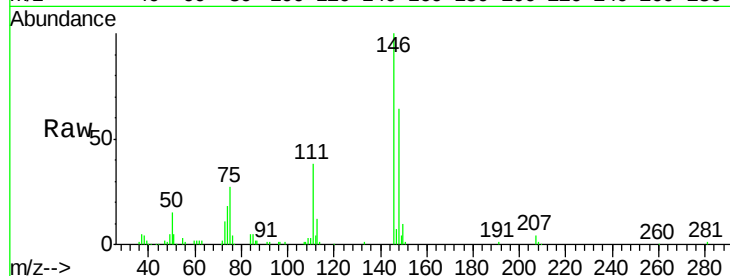
#91
 1,2-Dichlorobenzene
 Concen: 17.685 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.6	64.8
148	63.7	31.6	95.0

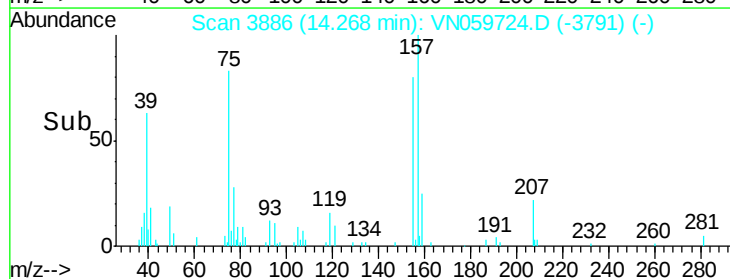
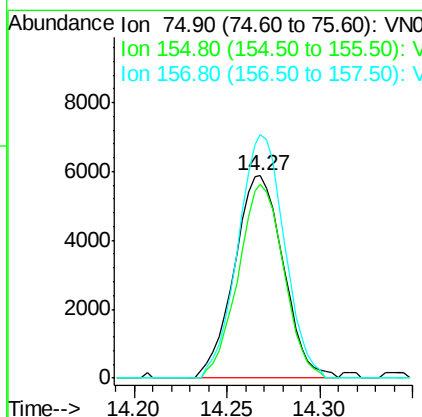
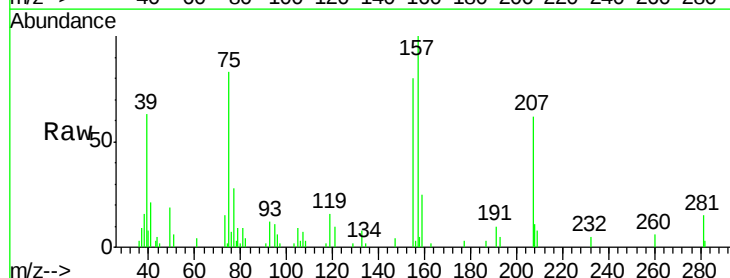
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.326 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	37.0	110.9
157	113.6	48.4	145.2





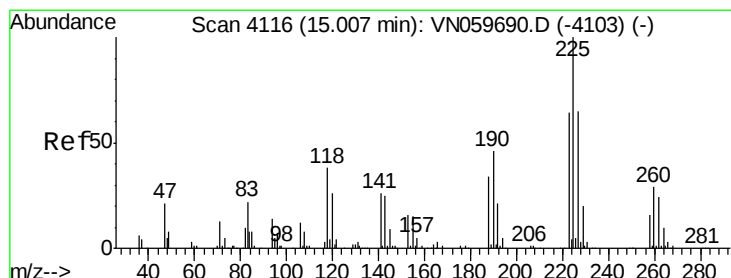
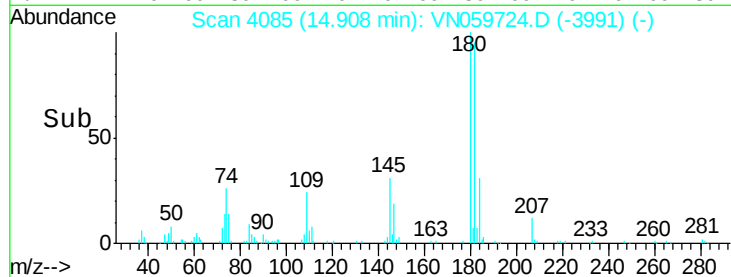
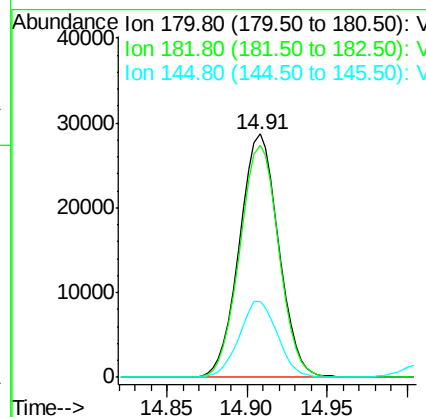
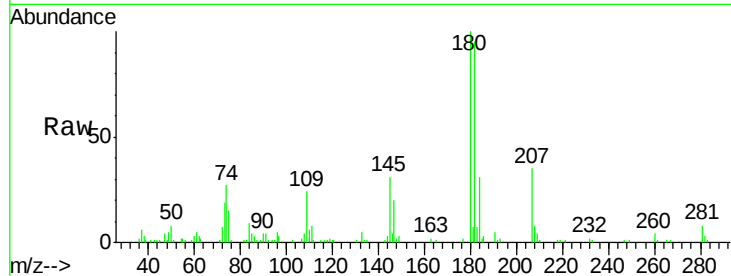
#93
 1,2,4-Trichlorobenzene
 Concen: 17.682 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47735		
182	95.1	46.9	140.7	
145	30.5	15.0	45.1	

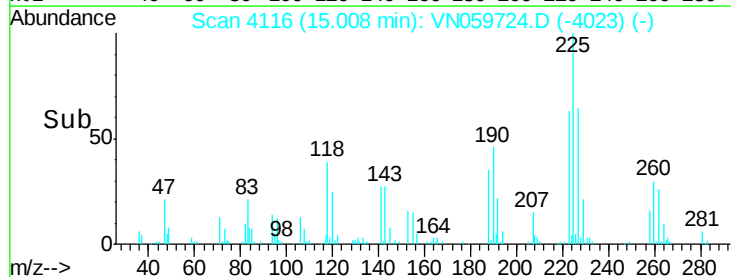
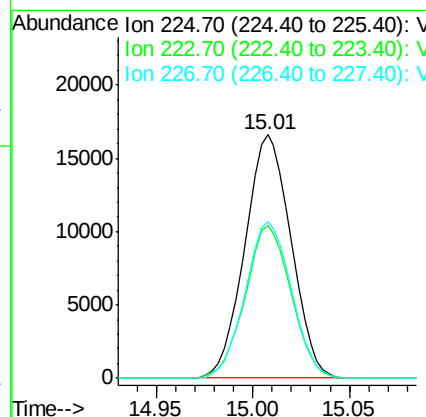
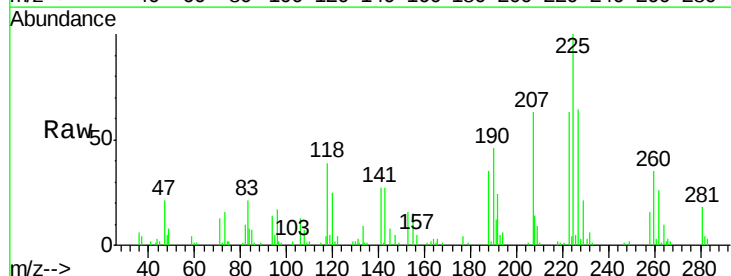
Manual Integrations
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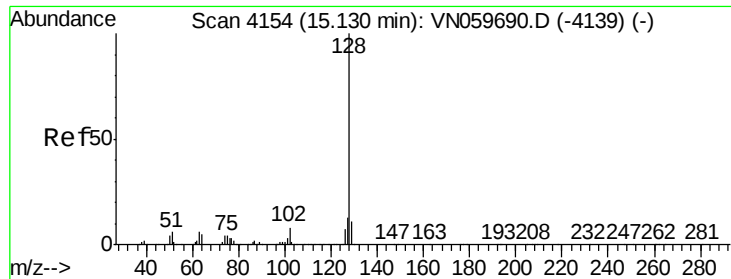
MMDadoda
 1/17/2020 1:52:55 PM



#94
 Hexachlorobutadiene
 Concen: 18.496 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059724.D
 Acq: 16 Jan 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27515		
223	62.3	31.8	95.3	
227	64.2	32.1	96.5	





#95

Naphthalene

Concen: 16.085 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Instrument :

MSVOA_N

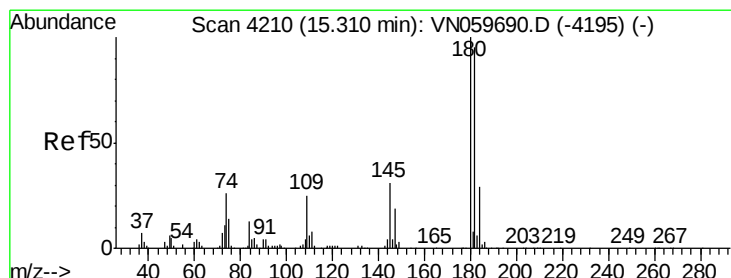
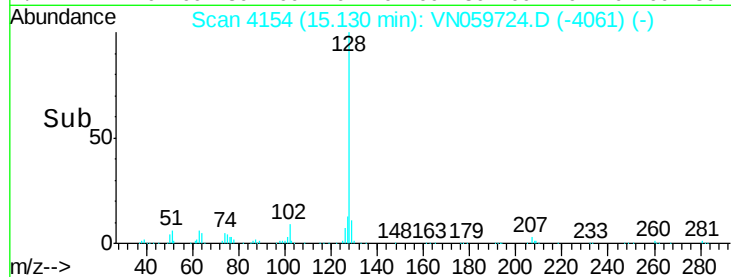
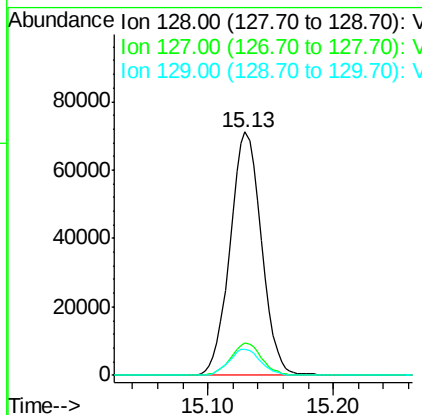
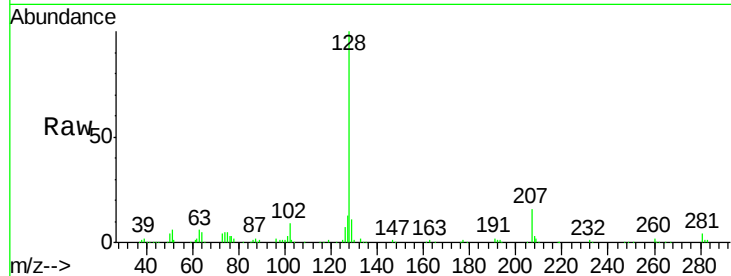
ClientSampleId :

VN0116WBS01

Tot Ion:	128	Resp:	123510
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.456 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059724.D

Acq: 16 Jan 2020 11:49

Tgt Ion:	180	Resp:	45868
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.4	142.3
145	31.2	16.3	48.9

