

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011720\
 Data File : VN059753.D
 Acq On : 17 Jan 2020 12:15
 Operator : JC/MD
 Sample : VN0117WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:12:11 AM

Quant Time: Jan 18 01:16:55 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	190924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	289315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	261835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	105817	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	90686	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
50) Toluene-d8	10.08	98	337620	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	120561	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	40631	17.713	ug/l	99
3) Chloromethane	2.03	50	37710	17.252	ug/l	99
4) Vinyl Chloride	2.17	62	45697	18.272	ug/l	99
5) Bromomethane	2.54	94	29135	19.089	ug/l	100
6) Chloroethane	2.68	64	21914	18.521	ug/l	95
7) Trichlorofluoromethane	3.00	101	55323	18.419	ug/l	95
8) Diethyl Ether	3.38	74	19661	18.653	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.73	101	32109	19.208	ug/l	92
10) Methyl Iodide	3.93	142	48747	18.041	ug/l	96
11) Tert butyl alcohol	4.72	59	32327	90.568	ug/l	100
12) 1,1-Dichloroethene	3.72	96	30936	17.711	ug/l	88
13) Acrolein	3.58	56	15979	63.242	ug/l	99
14) Allyl chloride	4.29	41	43439	18.450	ug/l #	90
15) Acrylonitrile	4.94	53	74454	91.445	ug/l	99
16) Acetone	3.78	43	68163	87.761	ug/l	96
17) Carbon Disulfide	4.03	76	84483	16.978	ug/l	100
18) Methyl Acetate	4.29	43	45378	18.323	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	107539	18.882	ug/l	95
20) Methylene Chloride	4.52	84	35023	17.414	ug/l	88
21) trans-1,2-Dichloroethene	5.00	96	33648	18.122	ug/l	90
22) Diisopropyl ether	5.91	45	95873	17.969	ug/l	94
23) Vinyl Acetate	5.86	43	359771	87.090	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	59274	18.181	ug/l	98
25) 2-Butanone	6.80	43	102449	85.325	ug/l #	89
26) 2,2-Dichloropropane	6.80	77	56030	17.877	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	39385	18.442	ug/l	86
28) Bromochloromethane	7.17	49	25665	19.696	ug/l #	70
29) Tetrahydrofuran	7.18	42	65157	87.707	ug/l #	87
30) Chloroform	7.35	83	62652	18.548	ug/l	100
31) Cyclohexane	7.63	56	54330	17.319	ug/l #	82
32) 1,1,1-Trichloroethane	7.55	97	56834	18.197	ug/l	96
36) 1,1-Dichloropropene	7.77	75	45388	18.015	ug/l	94
37) Ethyl Acetate	6.90	43	42016	17.781	ug/l	97
38) Carbon Tetrachloride	7.75	117	51585	18.822	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56016	18.032	ug/l	91
40) Benzene	8.02	78	137248	18.266	ug/l	99
41) Methacrylonitrile	7.14	41	19428	16.692	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	48723	19.125	ug/l	95
43) Isopropyl Acetate	8.14	43	72879	17.931	ug/l #	95
44) Trichloroethene	8.81	130	41270	20.120	ug/l	91
45) 1,2-Dichloropropane	9.10	63	34845	18.741	ug/l	98
46) Dibromomethane	9.19	93	25315	19.301	ug/l	90
47) Bromodichloromethane	9.38	83	50442	19.085	ug/l	97
48) Methyl methacrylate	9.18	41	30810	16.947	ug/l #	86
49) 1,4-Dioxane	9.18	88	13315	400.067	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	209314	89.086	ug/l	95
52) Toluene	10.14	92	89052	18.763	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	54405	18.435	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	59384	19.124	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	35264	18.760	ug/l	98
56) Ethyl methacrylate	10.42	69	51469	17.919	ug/l	94
57) 1,3-Dichloropropane	10.70	76	57874	19.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	92441	106.851	ug/l	92
59) 2-Hexanone	10.74	43	156364	90.335	ug/l	95
60) Dibromochloromethane	10.89	129	40902	19.108	ug/l	99
61) 1,2-Dibromoethane	11.00	107	37620	19.095	ug/l	100
64) Tetrachloroethene	10.62	164	42436	19.886	ug/l	94
65) Chlorobenzene	11.43	112	96977	18.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	38036	19.127	ug/l	98
67) Ethyl Benzene	11.50	91	169995	18.196	ug/l	96
68) m/p-Xylenes	11.61	106	130238	36.905	ug/l	93
69) o-Xylene	11.94	106	64223	18.589	ug/l	92
70) Styrene	11.96	104	104418	18.061	ug/l	96
71) Bromoform	12.12	173	30699	19.273	ug/l #	99
73) Isopropylbenzene	12.24	105	168065	18.327	ug/l	98
74) N-amyl acetate	12.06	43	62129	17.460	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	48908	18.397	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	43863m	20.844	ug/l	
77) Bromobenzene	12.52	156	43987	18.941	ug/l	80
78) n-propylbenzene	12.59	91	186856	18.154	ug/l	96
79) 2-Chlorotoluene	12.67	91	109865	17.942	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	141633	18.364	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17334	17.690	ug/l	92
82) 4-Chlorotoluene	12.77	91	113398	18.464	ug/l	95
83) tert-Butylbenzene	12.99	119	123408	18.501	ug/l	94
84) 1,2,4-Trimethylbenzene	13.03	105	141042	18.485	ug/l	96
85) sec-Butylbenzene	13.17	105	161041	18.376	ug/l	99
86) p-Isopropyltoluene	13.28	119	149745	18.467	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	76397	18.938	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	77102	19.159	ug/l	98
89) n-Butylbenzene	13.61	91	125770	18.191	ug/l	98
90) Hexachloroethane	13.87	117	26859	17.703	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	76887	19.279	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11185	18.276	ug/l	87

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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	46850	19.551	ug/l	99
94) Hexachlorobutadiene	15.00	225	25174	19.064	ug/l	99
95) Naphthalene	15.13	128	129633	19.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46692	20.018	ug/l	98

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

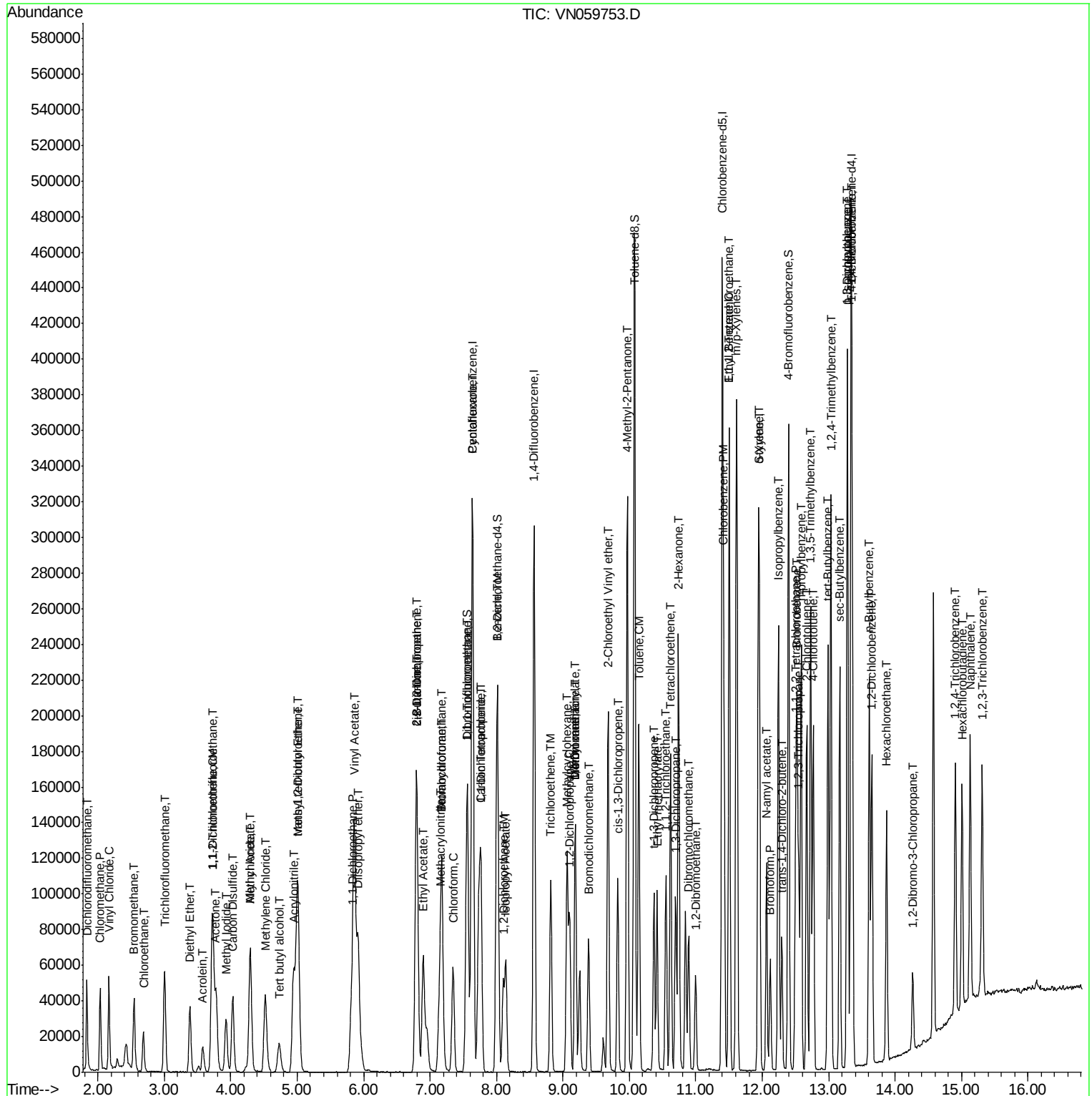
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 Data File : VN059753.D
 Acq On : 17 Jan 2020 12:15
 Operator : JC/MD
 Sample : VN0117WBSD01
 Misc : 5.00mL/MSVOA N/WATER
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion:168 Resp: 190924

Ion Ratio Lower Upper

168 100

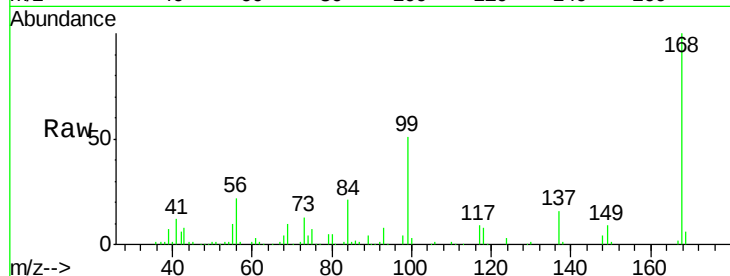
99 51.2 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

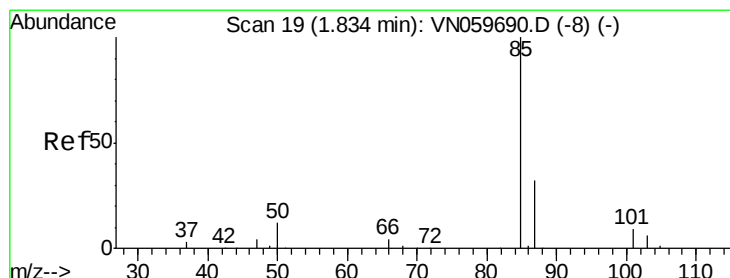
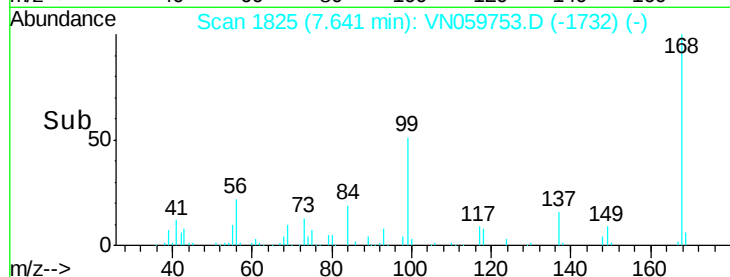
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.713 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059753.D

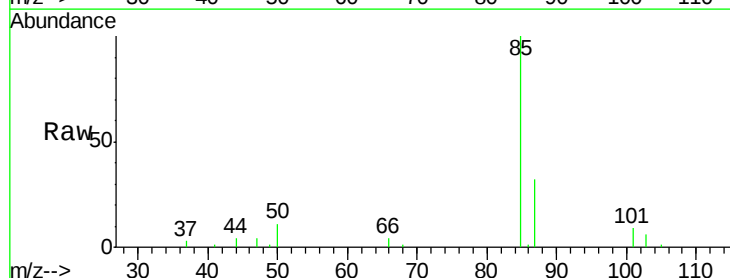
Acq: 17 Jan 2020 12:15

Tgt Ion: 85 Resp: 40631

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

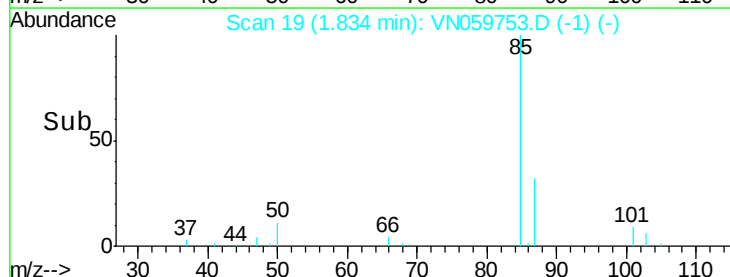
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.252 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion: 50 Resp: 37710

Ion Ratio Lower Upper

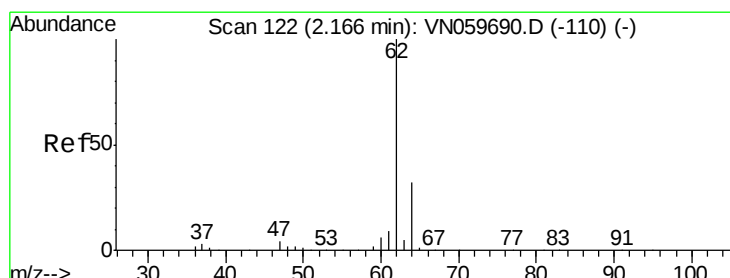
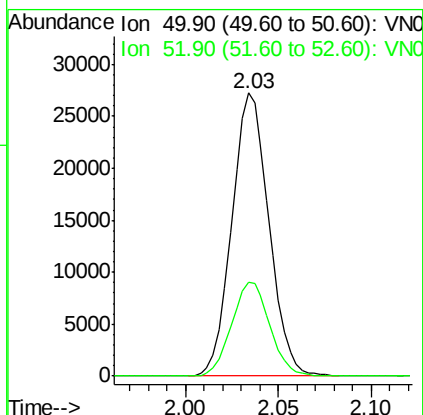
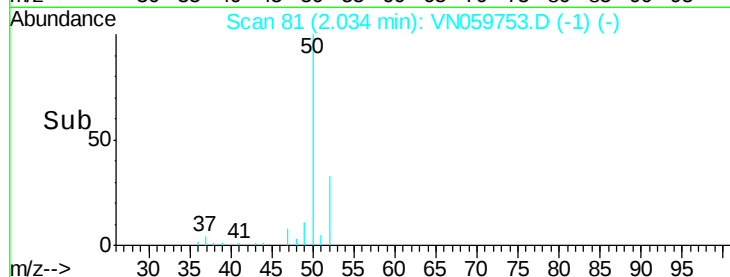
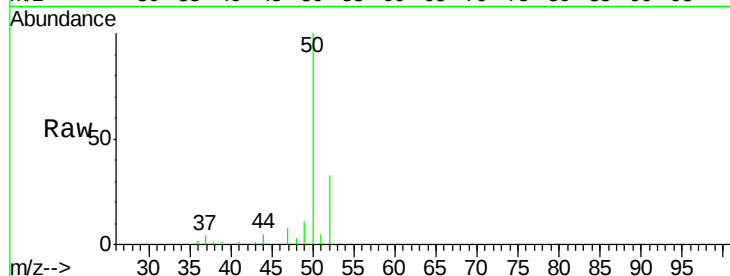
50 100

52 33.2 25.9 38.9

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#4

Vinyl Chloride

Concen: 18.272 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059753.D

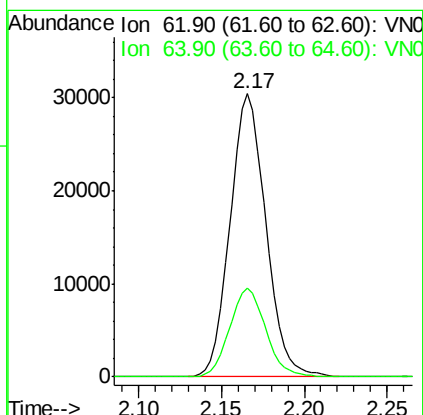
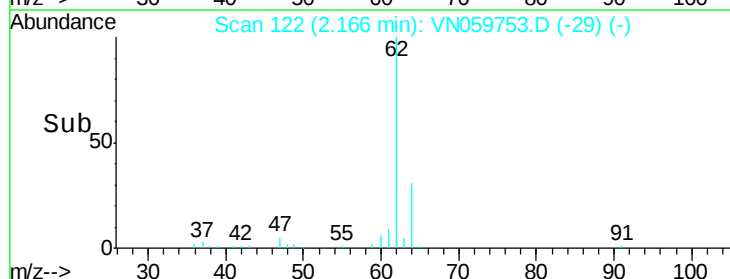
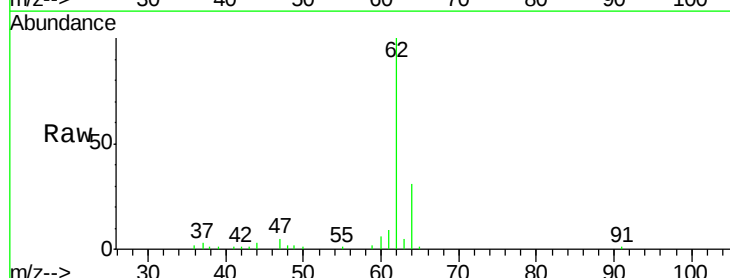
Acq: 17 Jan 2020 12:15

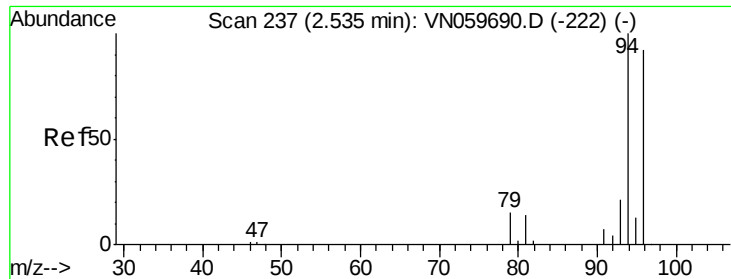
Tgt Ion: 62 Resp: 45697

Ion Ratio Lower Upper

62 100

64 31.3 24.6 37.0





#5

Bromomethane

Concen: 19.089 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion: 94 Resp: 29135

Ion Ratio Lower Upper

94 100

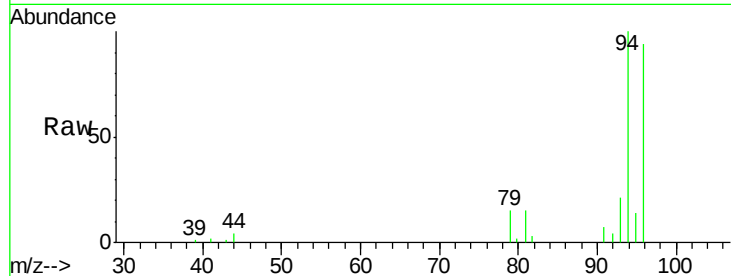
96 93.6 74.7 112.1

Manual Integrations

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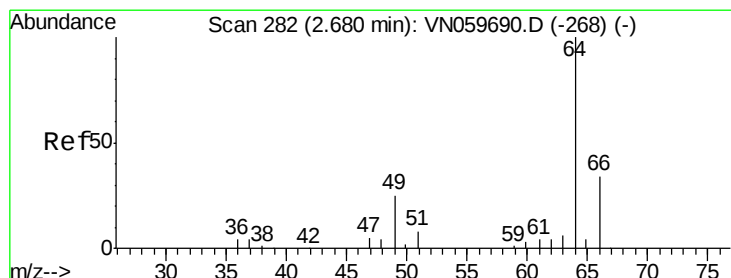
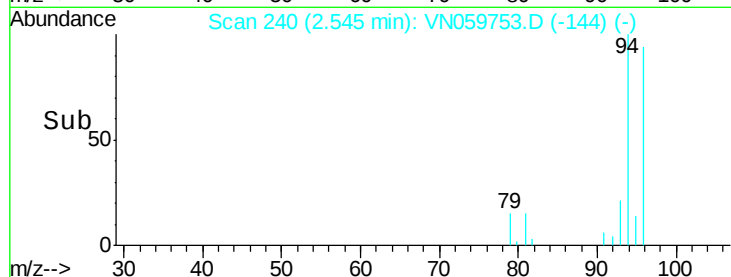
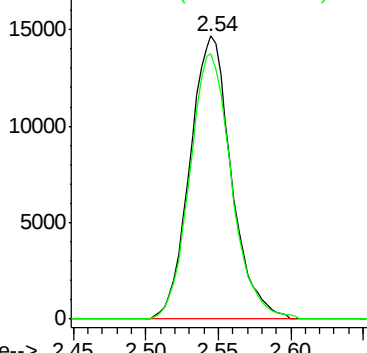
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.521 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059753.D

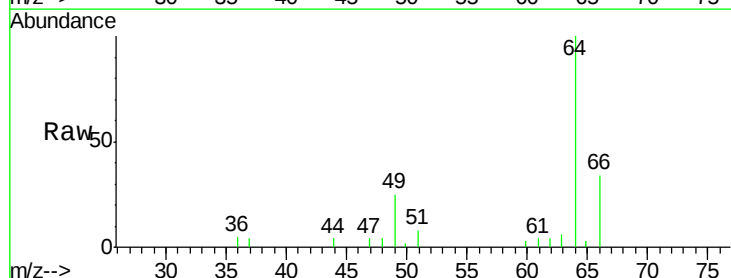
Acq: 17 Jan 2020 12:15

Tgt Ion: 64 Resp: 21914

Ion Ratio Lower Upper

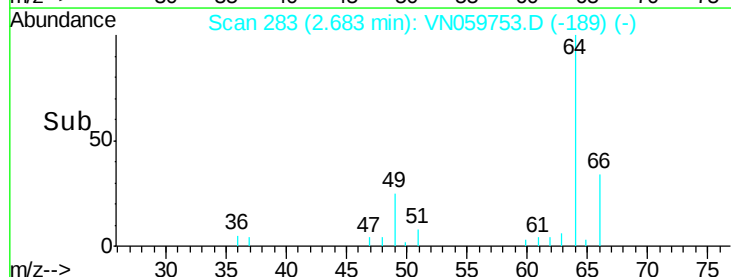
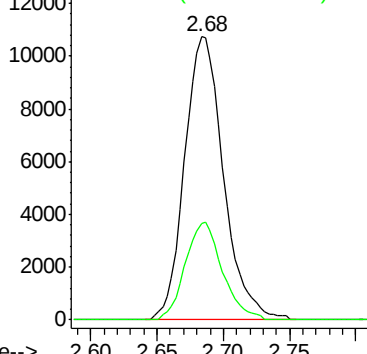
64 100

66 34.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

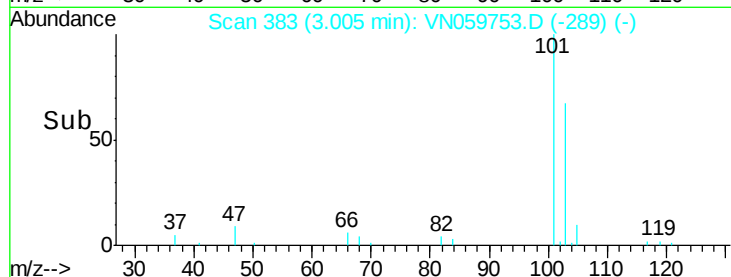
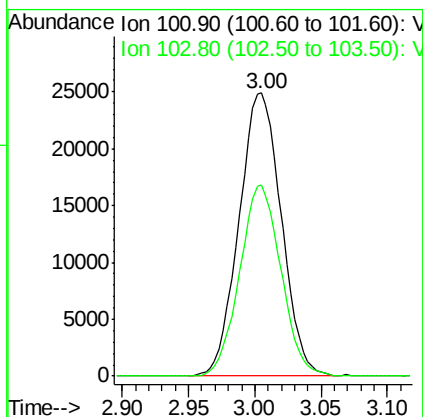
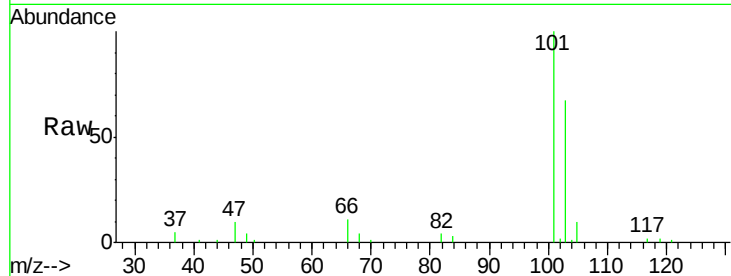
Trichlorofluoromethane
Concen: 18.419 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion:101 Resp: 55323
Ion Ratio Lower Upper
101 100
103 67.4 51.0 76.6

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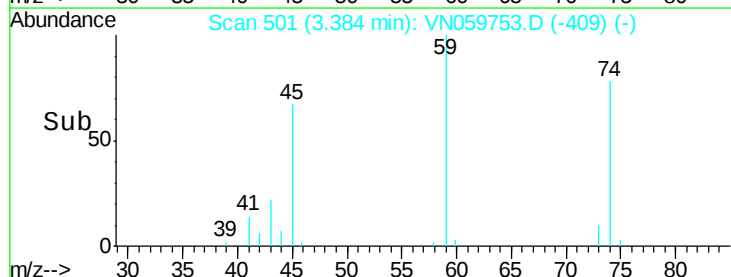
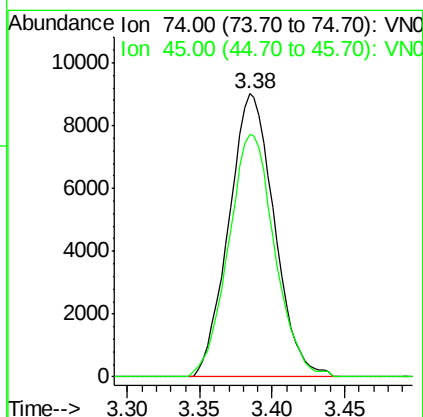
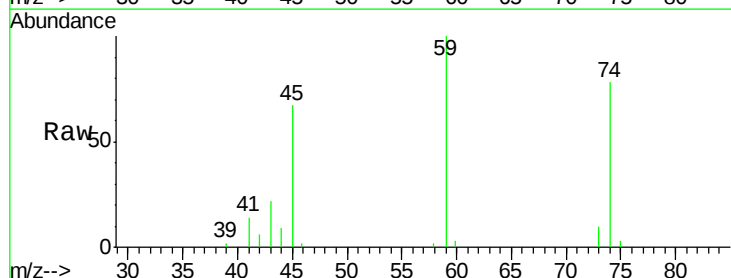
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#8

Diethyl Ether
Concen: 18.653 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion: 74 Resp: 19661
Ion Ratio Lower Upper
74 100
45 86.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.208 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

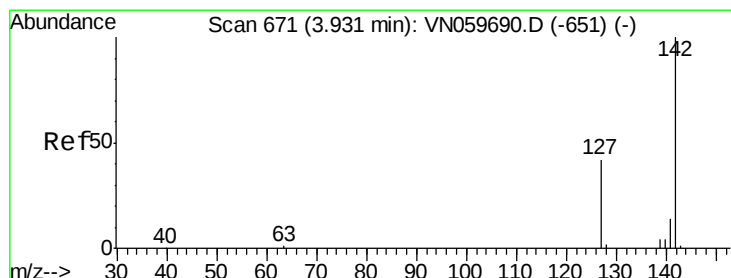
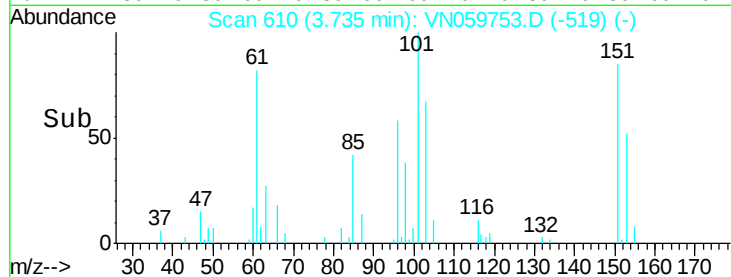
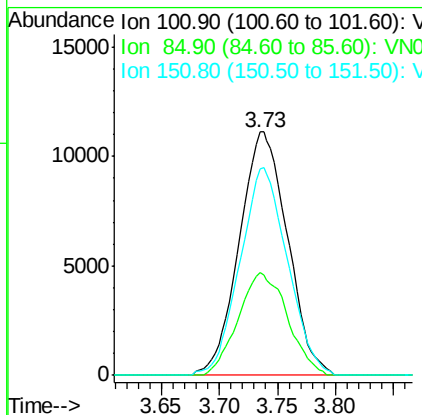
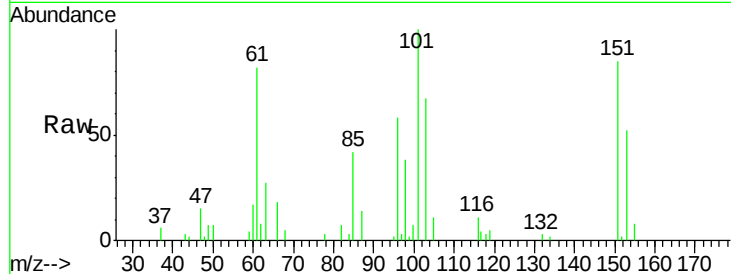
ClientSampleId :

VN0117WBSD01

Tot Ion:	101	Resp:	32109
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.6	54.8
151	83.9	59.7	89.5

Manual Integrations
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1/20/2020 11:12:11 AM



#10

Methyl Iodide

Concen: 18.041 ug/l

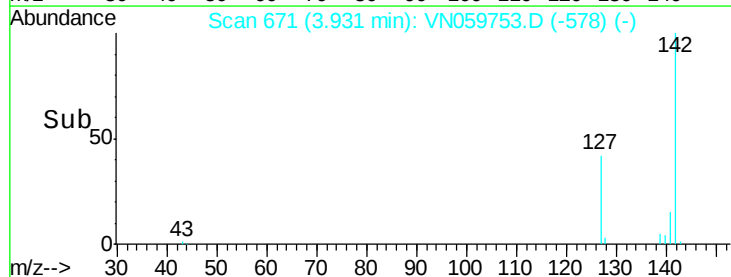
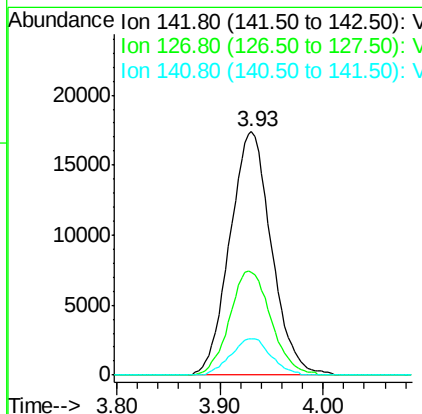
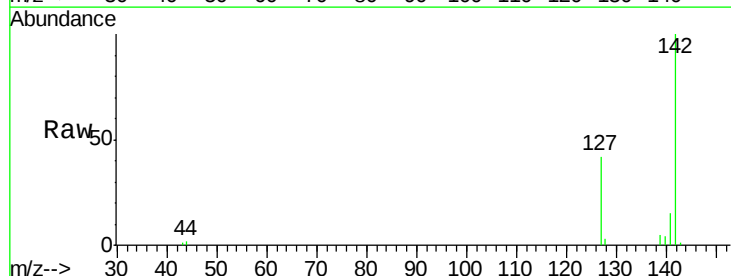
RT: 3.93 min Scan# 671

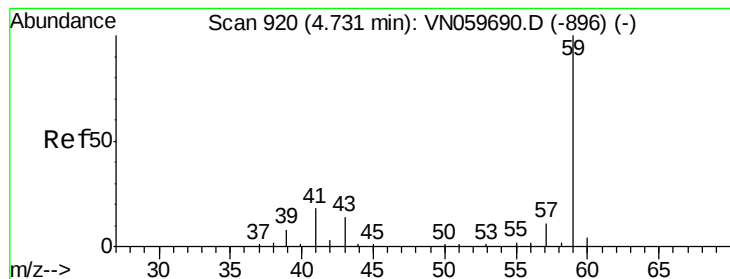
Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion:	142	Resp:	48747
Ion Ratio	Lower	Upper	
142	100		
127	42.5	36.7	55.1
141	14.4	11.7	17.5





#11

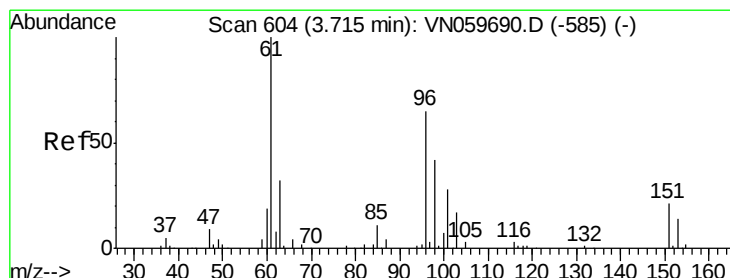
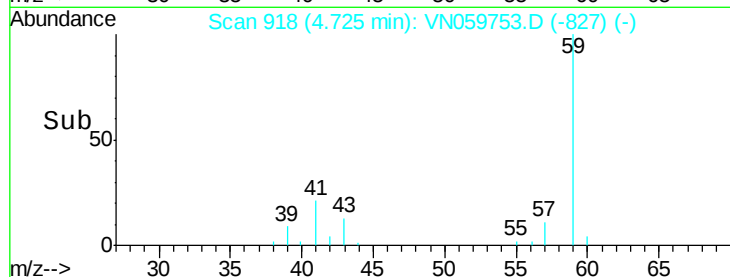
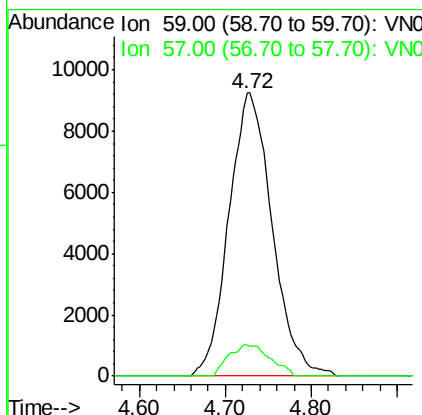
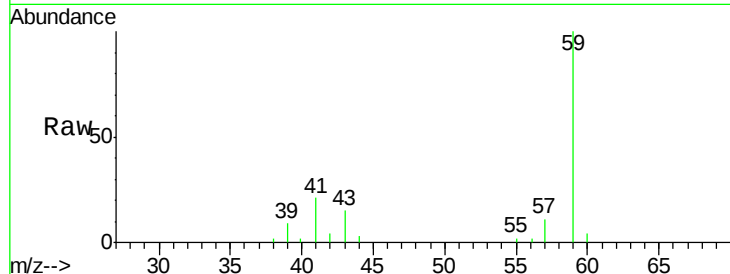
Tert butyl alcohol
 Concen: 90.568 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

Manual Integrations
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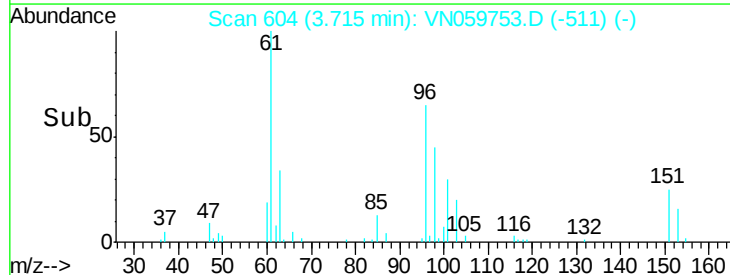
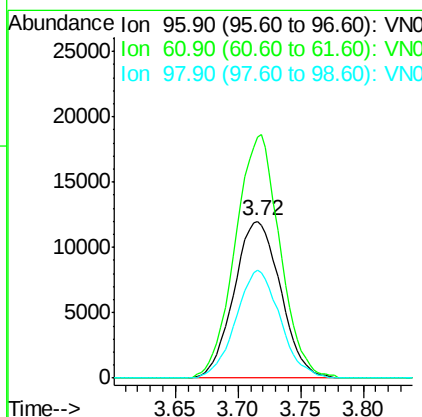
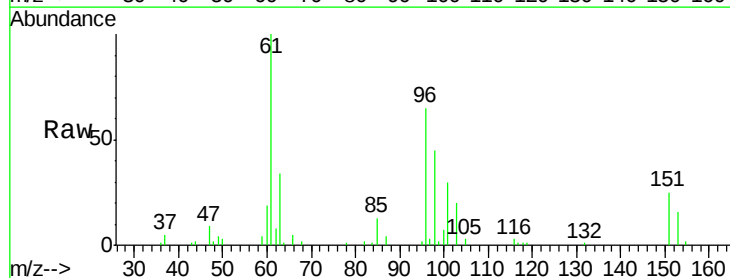
MMDadoda
 1/20/2020 11:12:11 AM



#12

1,1-Dichloroethene
 Concen: 17.711 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.7	137.5	206.3
98	68.4	50.2	75.4





#13

Acrolein

Concen: 63.242 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion: 56 Resp: 15979

Ion Ratio Lower Upper

56 100

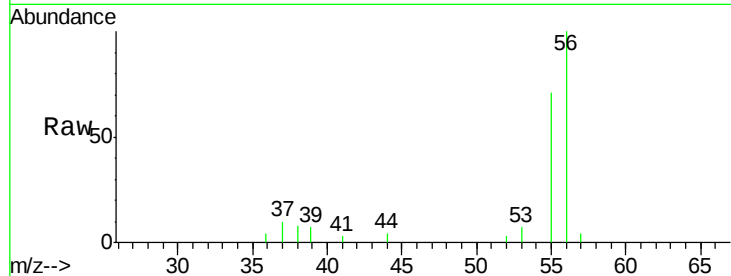
55 72.4 58.6 88.0

Manual Integrations

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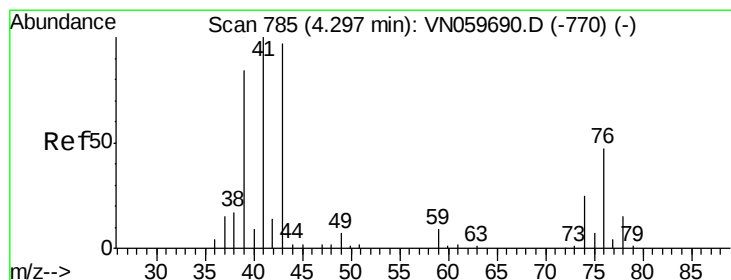
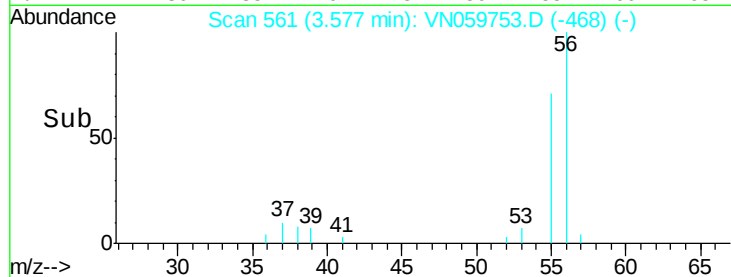
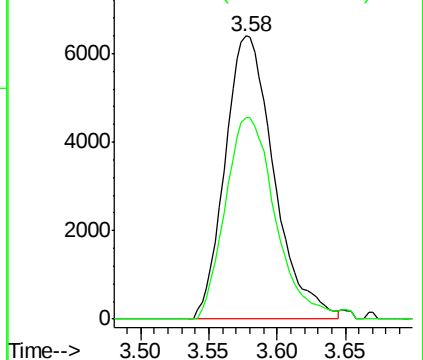
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.450 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

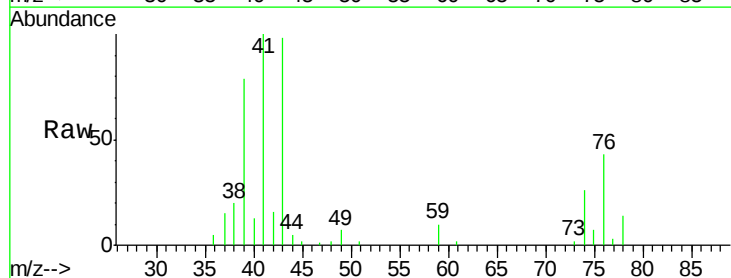
Tgt Ion: 41 Resp: 43439

Ion Ratio Lower Upper

41 100

39 77.6 57.8 86.8

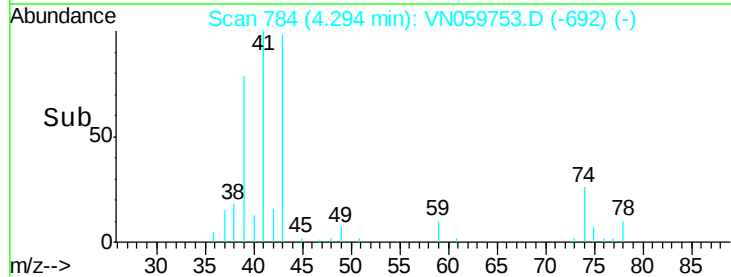
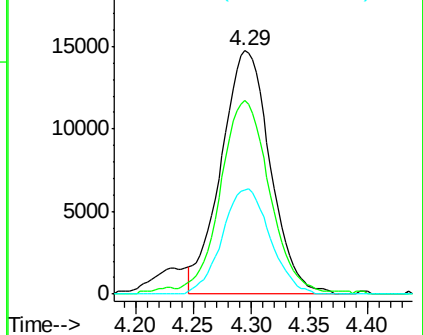
76 42.0 25.4 38.0#

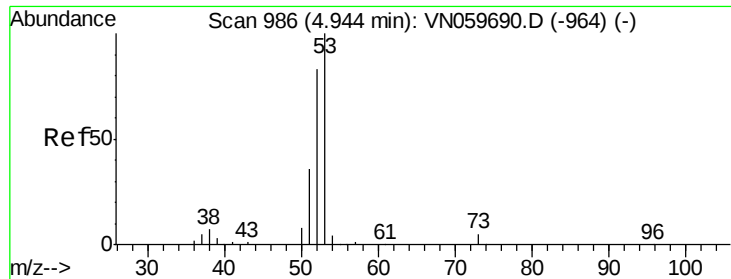


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 91.445 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

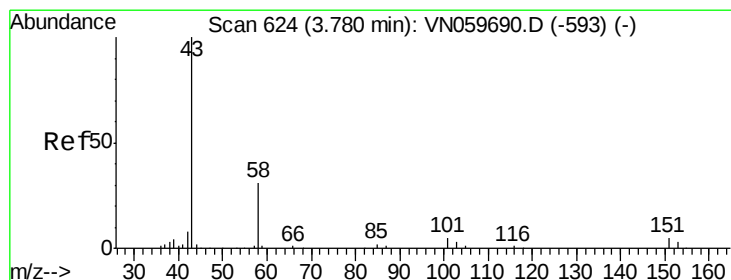
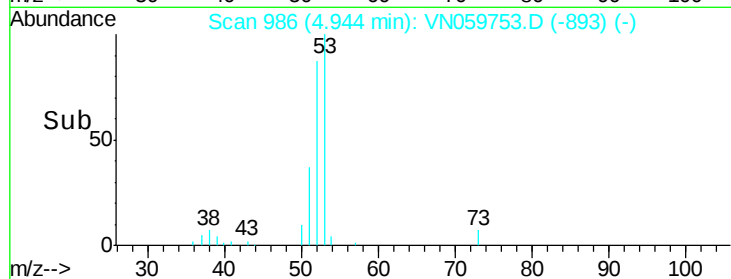
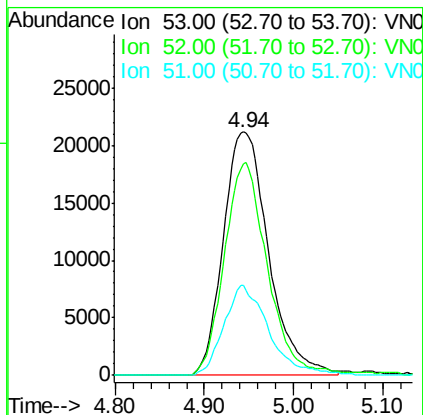
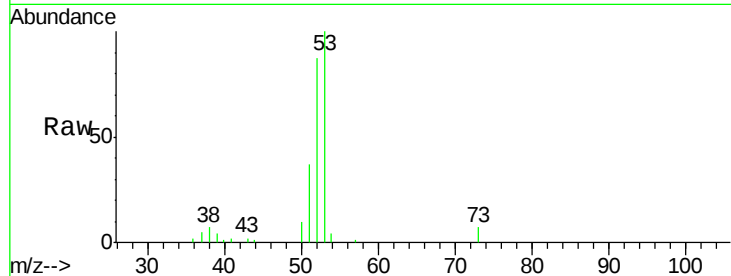
ClientSampleId :

VN0117WBSD01

Tot Ion:	53	Resp:	74454
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.3	99.5
51	36.8	29.7	44.5

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#16

Acetone

Concen: 87.761 ug/l

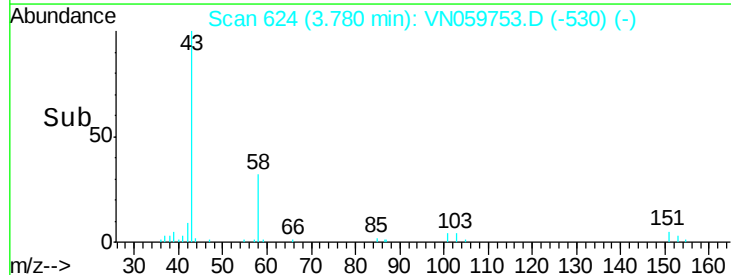
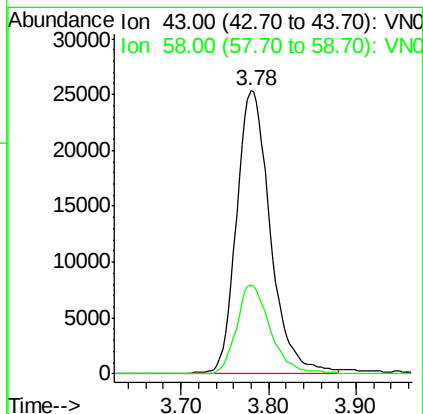
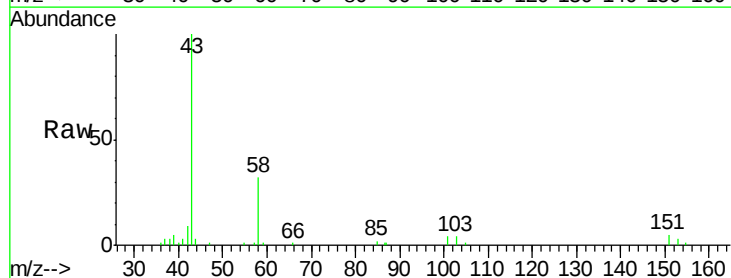
RT: 3.78 min Scan# 624

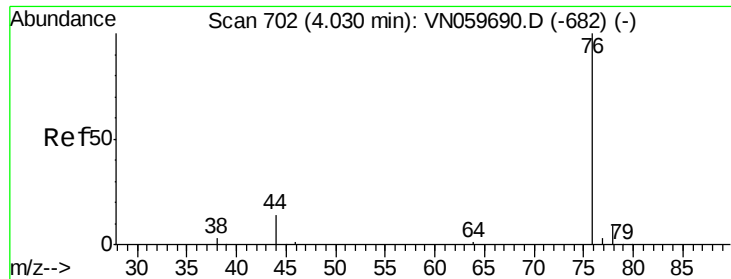
Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion:	43	Resp:	68163
Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.6	35.4





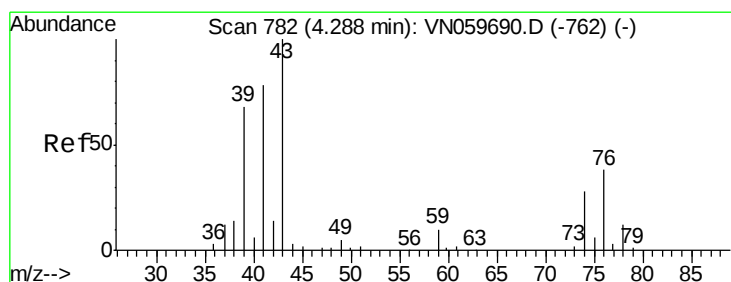
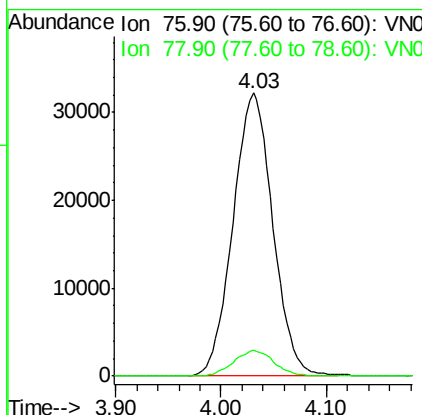
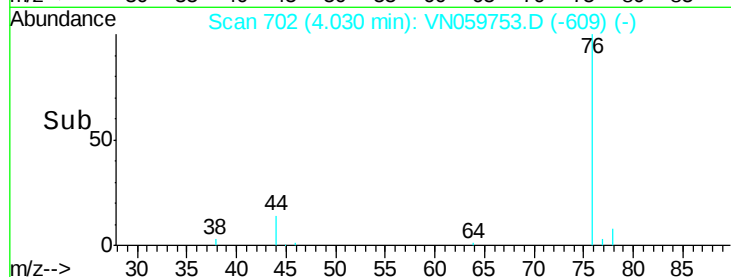
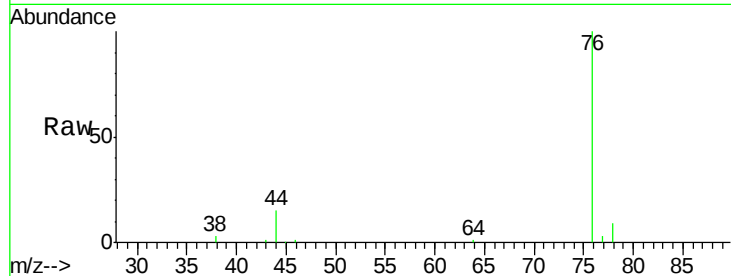
#17
Carbon Disulfide
Concen: 16.978 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion: 76 Resp: 84483
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

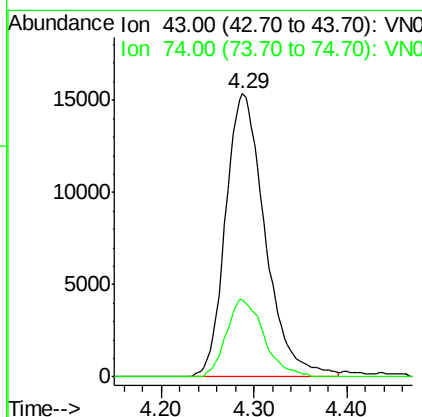
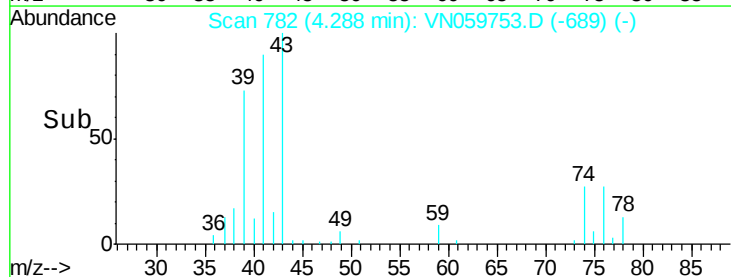
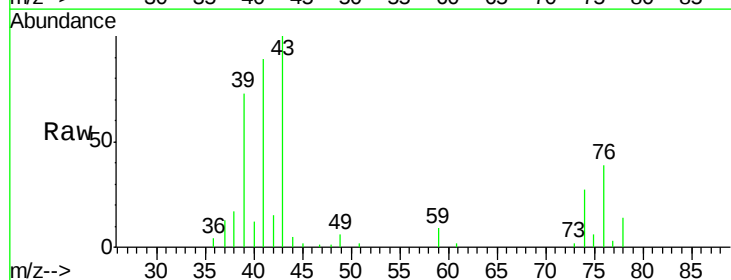
Manual Integrations
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#18
Methyl Acetate
Concen: 18.323 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion: 43 Resp: 45378
Ion Ratio Lower Upper
43 100
74 26.0 17.5 26.3





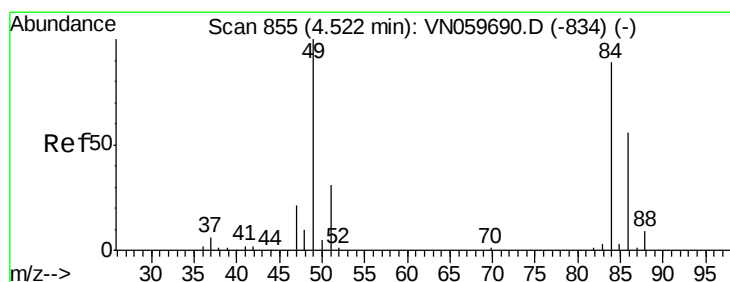
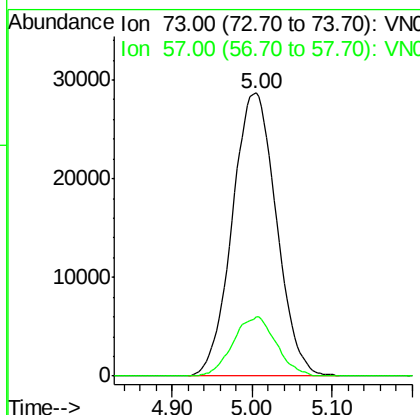
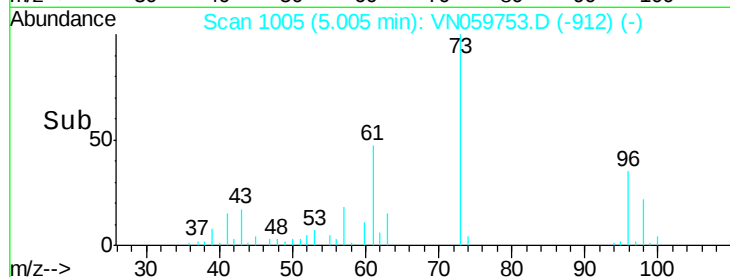
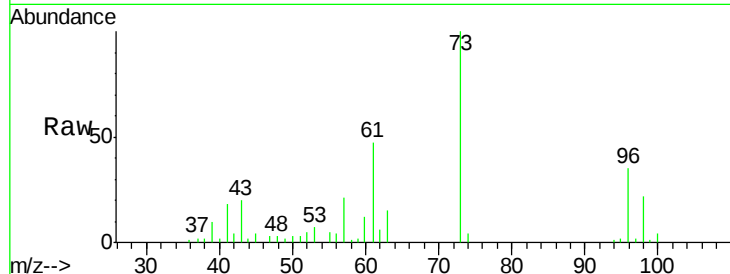
#19
Methvl tert-butvl Ether
Concen: 18.882 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion: 73 Resp: 107539
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

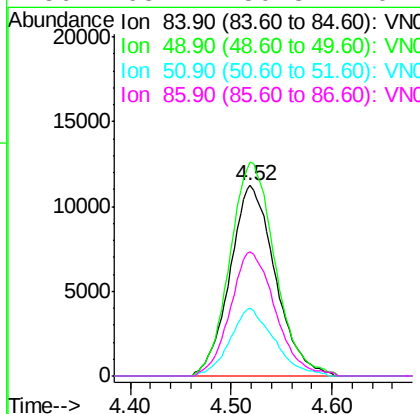
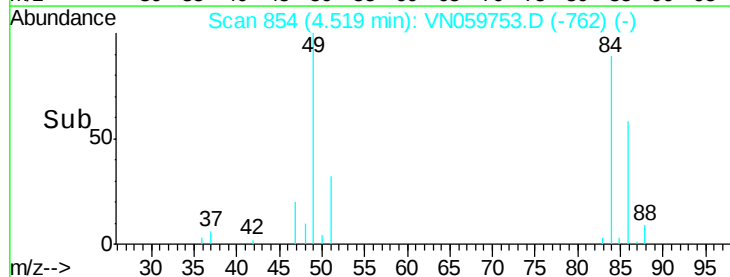
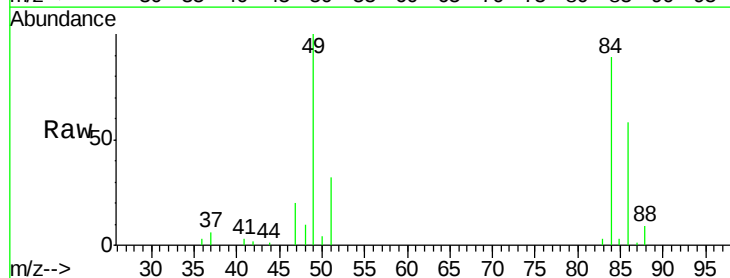
Manual Integrations
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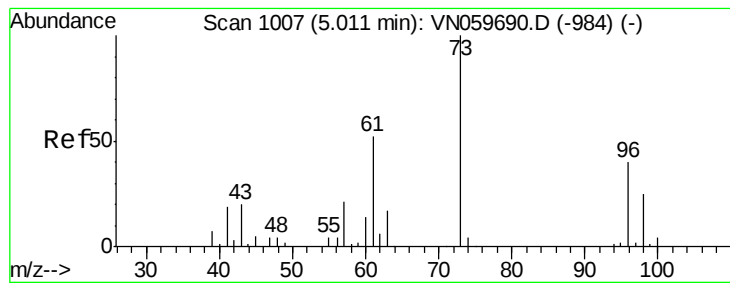
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#20
Methylene Chloride
Concen: 17.414 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion: 84 Resp: 35023
Ion Ratio Lower Upper
84 100
49 112.1 106.6 160.0
51 35.4 31.9 47.9
86 65.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.122 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion: 96 Resp: 33648

Ion Ratio Lower Upper

96 100

61 132.6 120.4 180.6

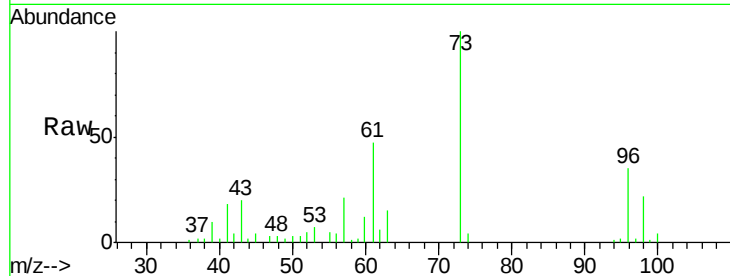
98 62.3 50.6 75.8

Manual Integrations

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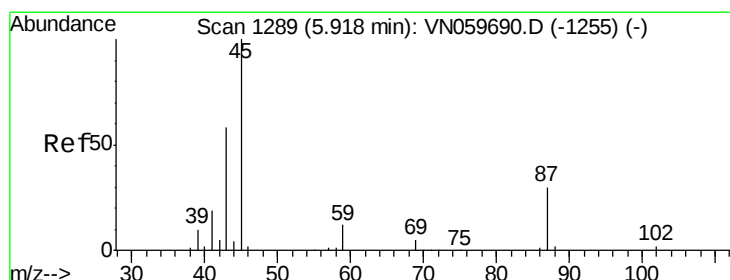
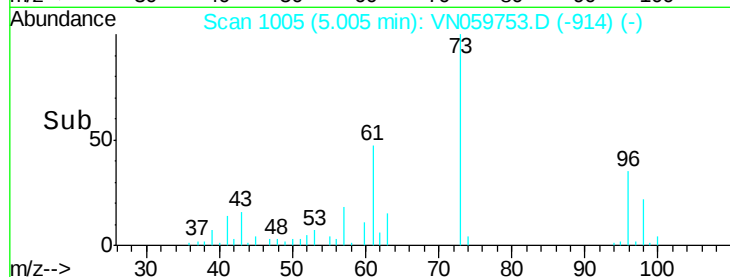
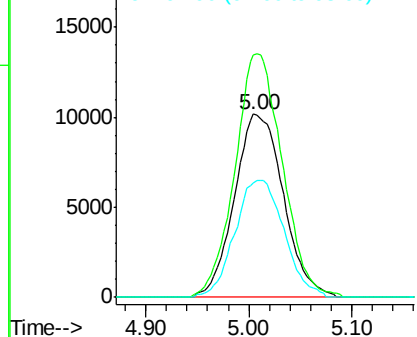
1/20/2020 11:12:11 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 17.969 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion: 45 Resp: 95873

Ion Ratio Lower Upper

45 100

43 67.3 50.8 76.2

87 30.8 21.0 31.6

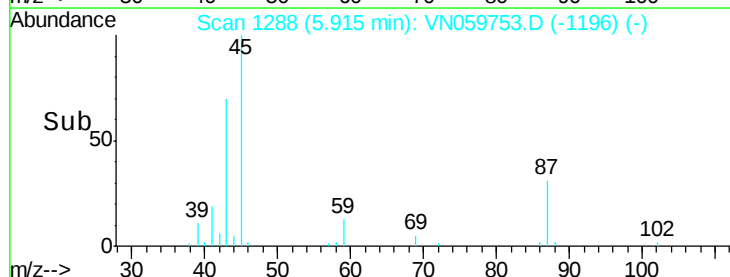
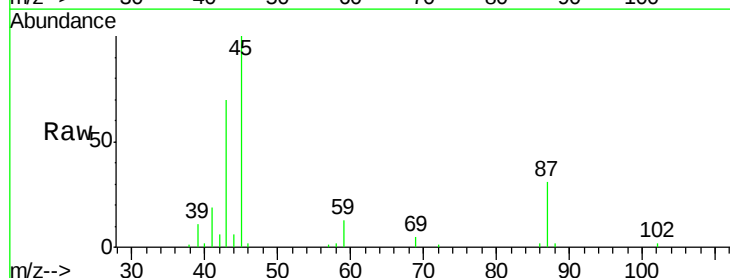
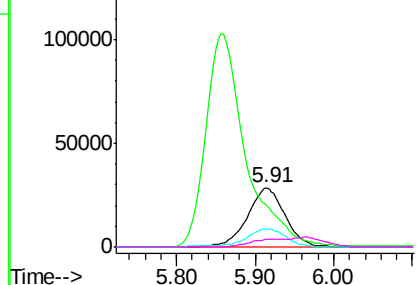
59 12.8 9.1 13.7

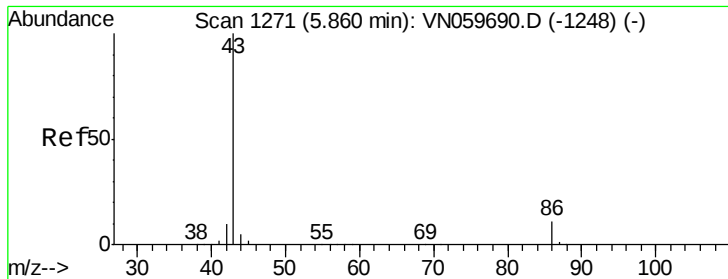
Abundance Ion 45.00 (44.70 to 45.70): VN0

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





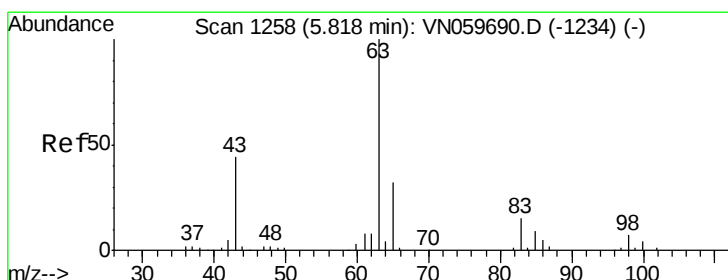
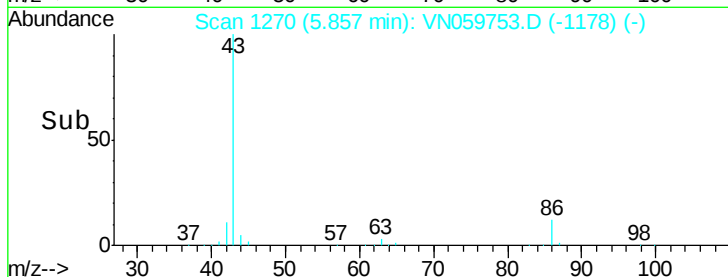
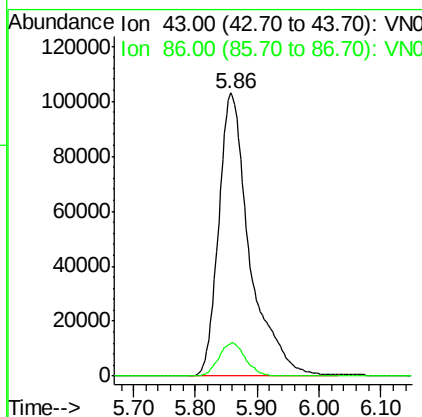
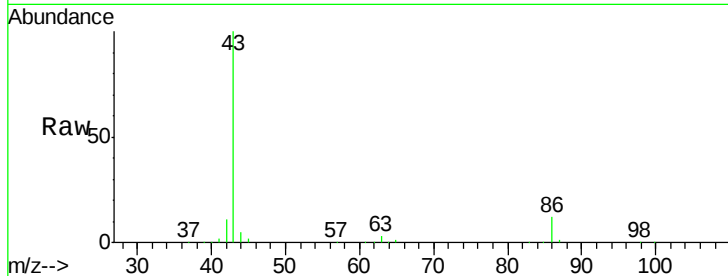
#23
 Vinyl Acetate
 Concen: 87.090 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	43	Resp	359771
Ion Ratio	100	Lower	Upper
43	100		
86	11.7	7.6	11.4#

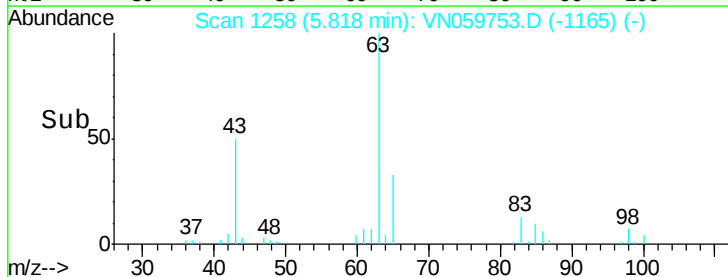
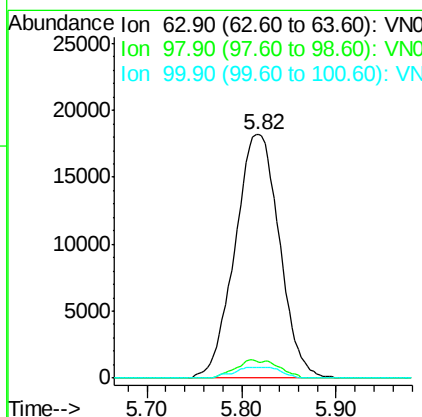
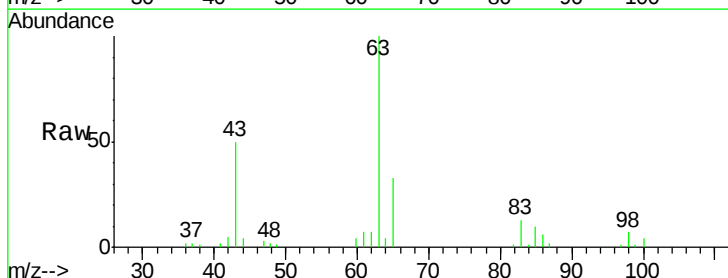
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 18.181 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	63	Resp	59274
Ion Ratio	100	Lower	Upper
63	100		
98	6.6	2.9	8.7
100	4.5	2.0	6.0





#25

2-Butanone

Concen: 85.325 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion: 43 Resp: 102449

Ion Ratio Lower Upper

43 100

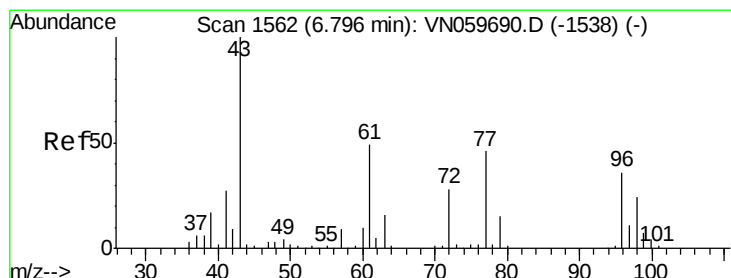
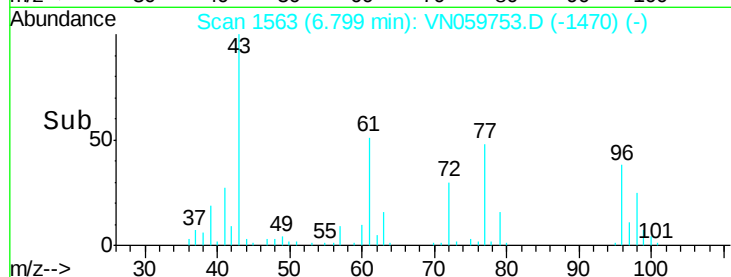
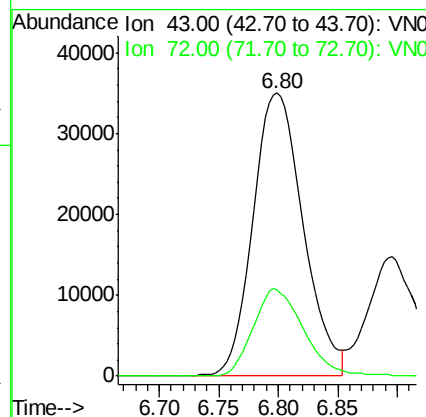
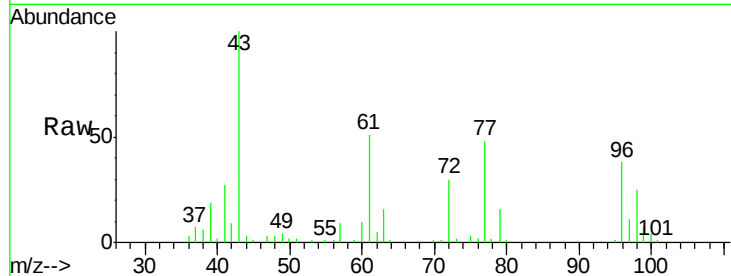
72 30.4 19.9 29.9#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.877 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059753.D

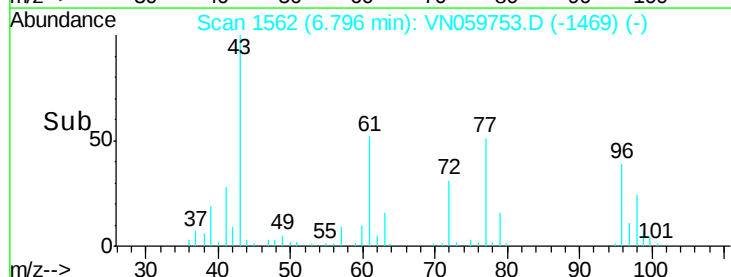
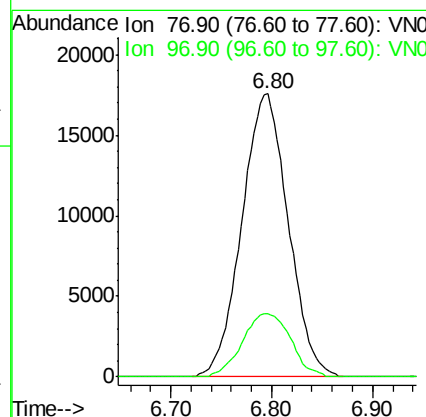
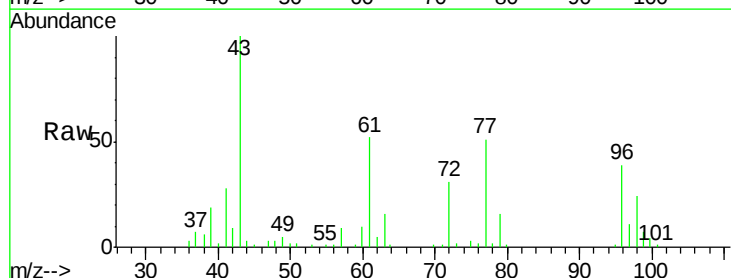
Acq: 17 Jan 2020 12:15

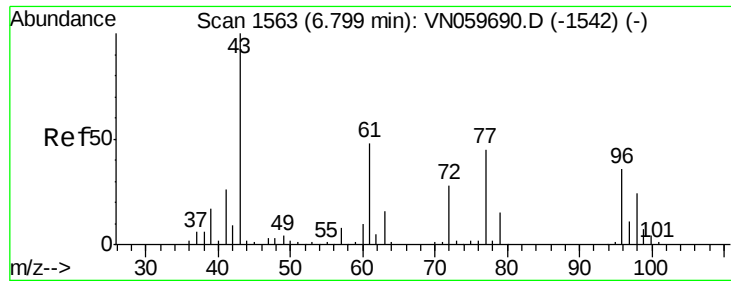
Tgt Ion: 77 Resp: 56030

Ion Ratio Lower Upper

77 100

97 23.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 18.442 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

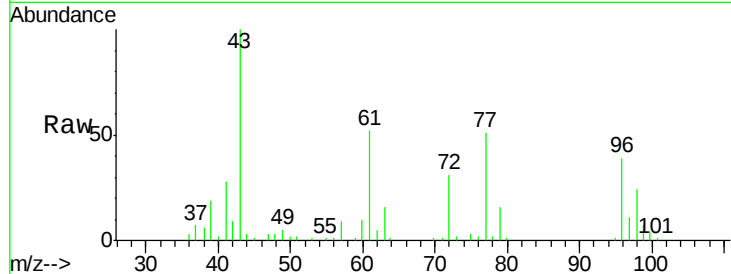
ClientSampleId :

VN0117WBSD01

Tot Ion:	96	Resp:	39385
Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	317.6
98	65.9	0.0	127.0

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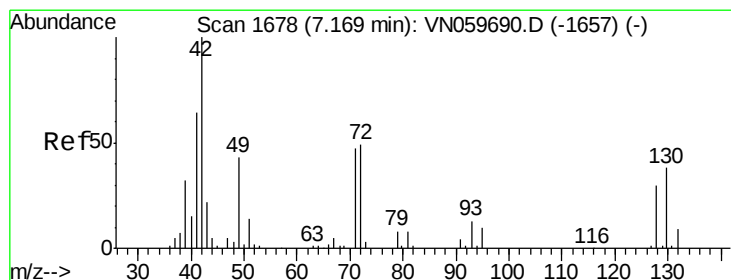
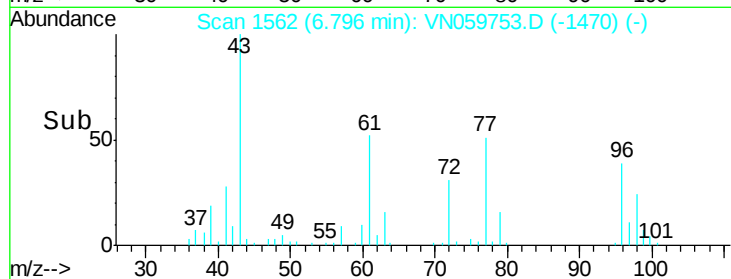
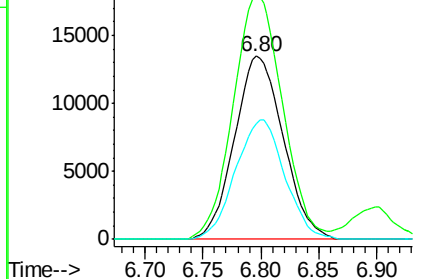
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Abundance Ion 95.90 (95.60 to 96.60): VN059690.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059690.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059690.D (-1542) (-)



#28

Bromochloromethane

Concen: 19.696 ug/l

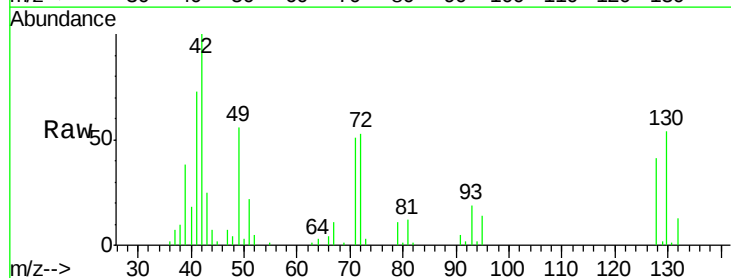
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

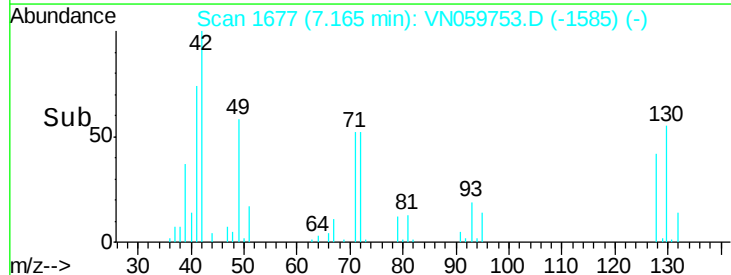
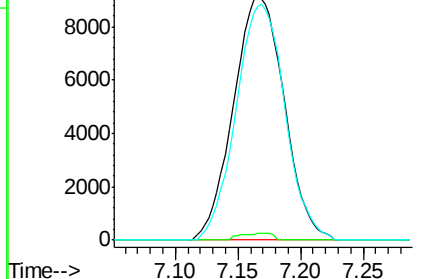
Tgt Ion:	49	Resp:	25665
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	93.5	54.7	82.1#

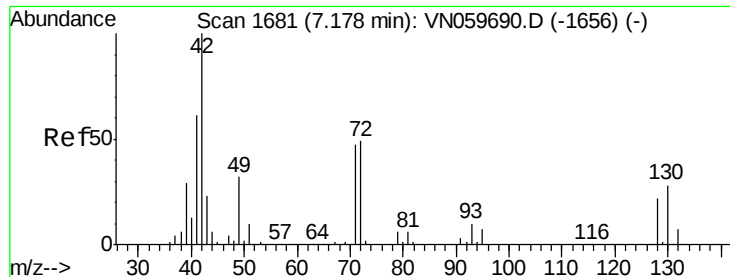


Abundance Ion 48.90 (48.60 to 49.60): VN059690.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059690.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059690.D (-1657) (-)





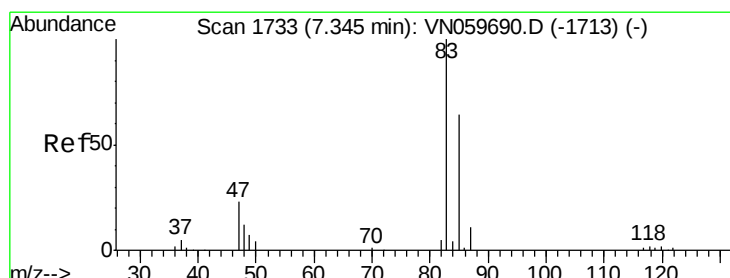
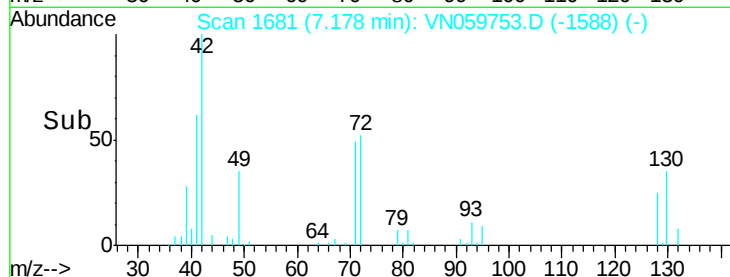
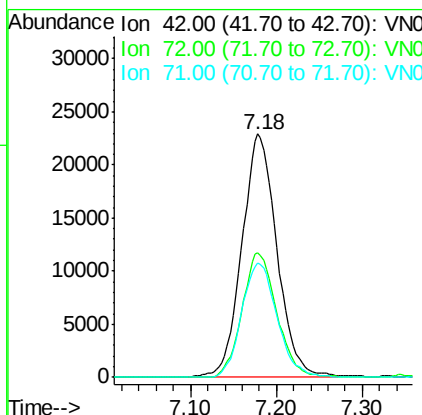
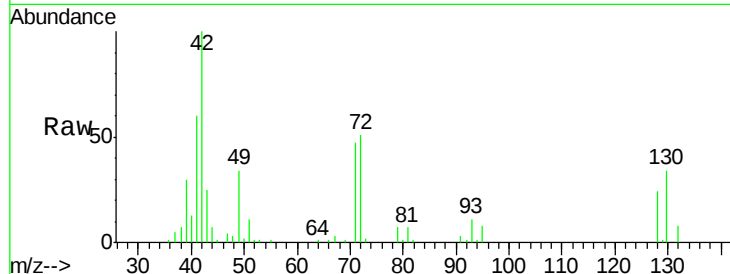
#29
Tetrahydrofuran
Concen: 87.707 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	33.1	49.7#
71	47.1	31.4	47.0#

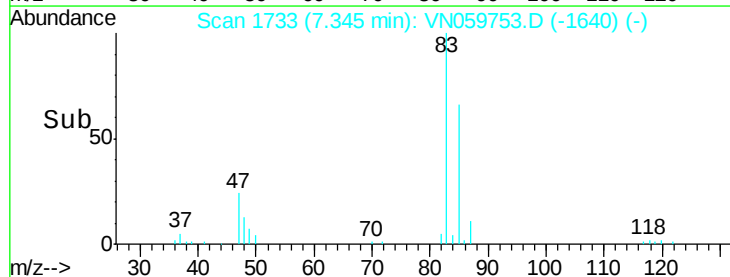
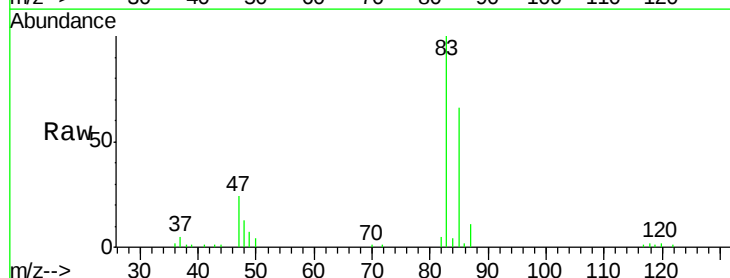
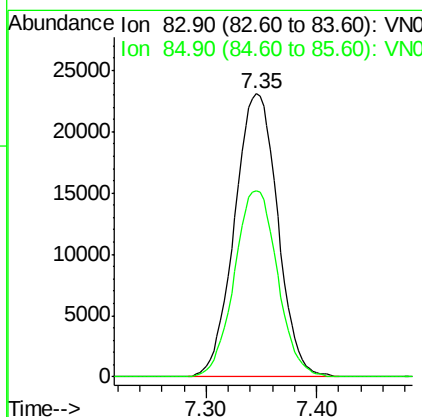
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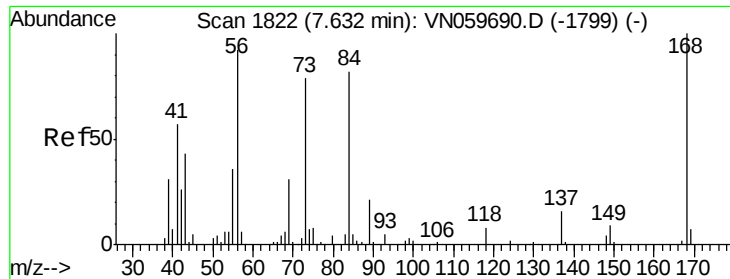
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#30
Chloroform
Concen: 18.548 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.4	78.6





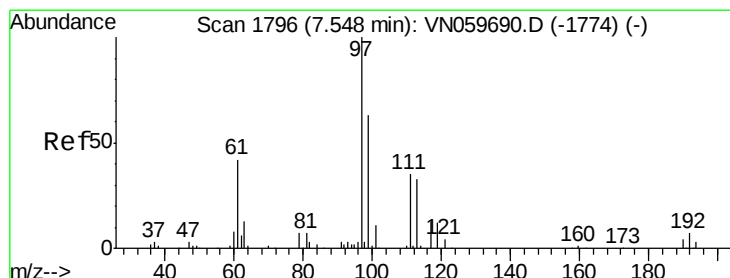
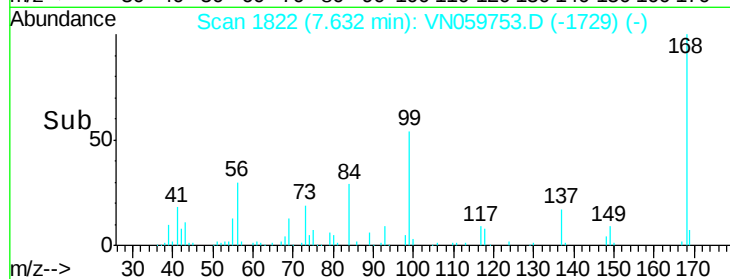
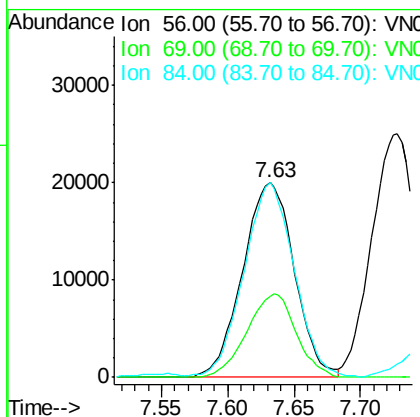
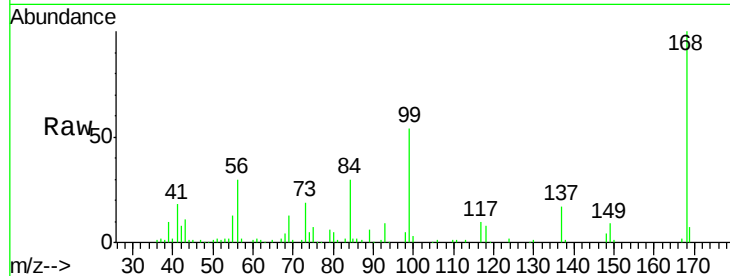
#31
Cyclohexane
Concen: 17.319 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.4	26.5	39.7#
84	98.8	65.3	97.9#

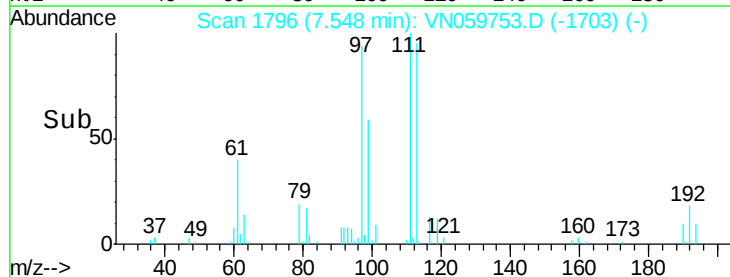
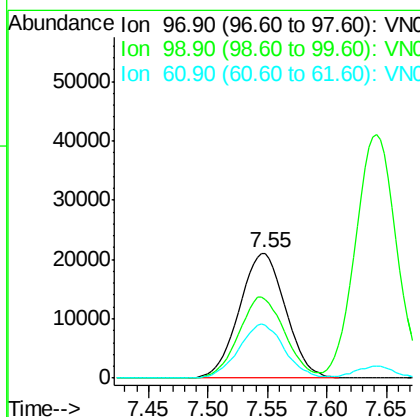
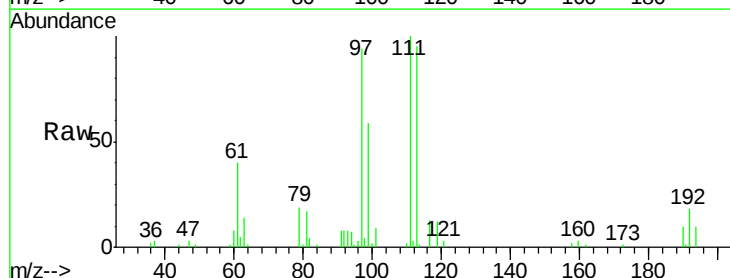
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#32
1,1,1-Trichloroethane
Concen: 18.197 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	42.2	38.5	57.7





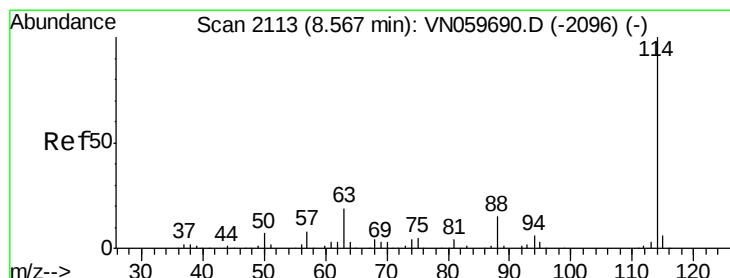
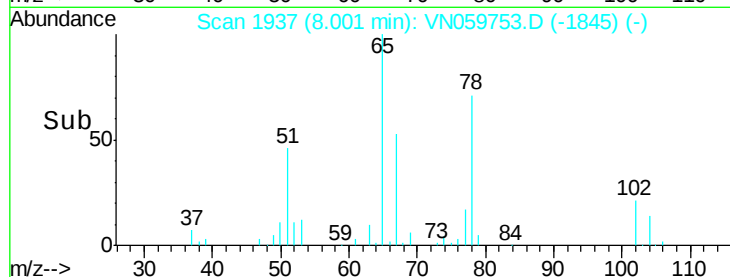
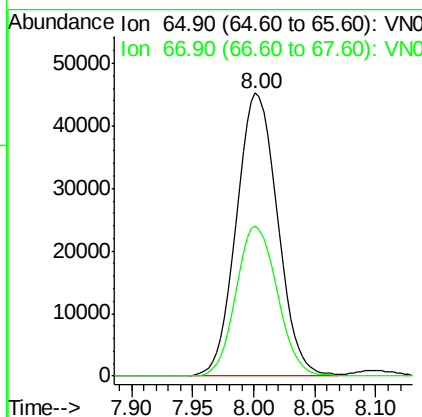
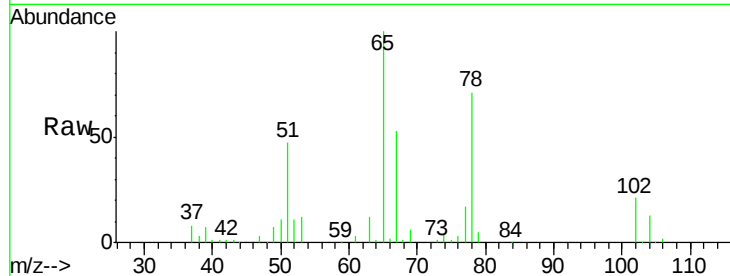
#33
 1,2-Dichloroethane-d4
 Concen: 49.908 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	103.0	

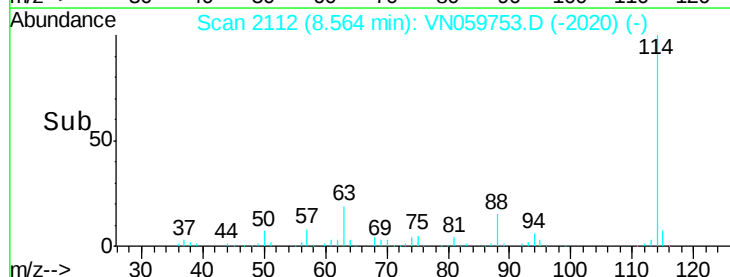
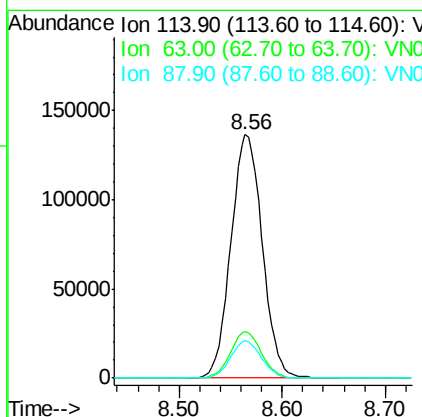
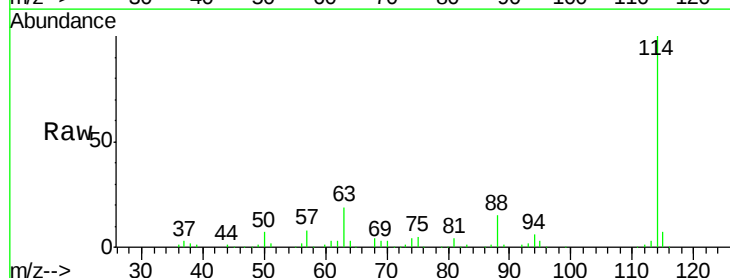
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	43.6	
88	15.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 52.562 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

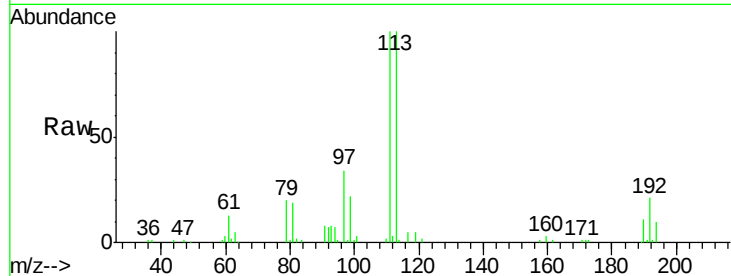
ClientSampleId :

VN0117WBSD01

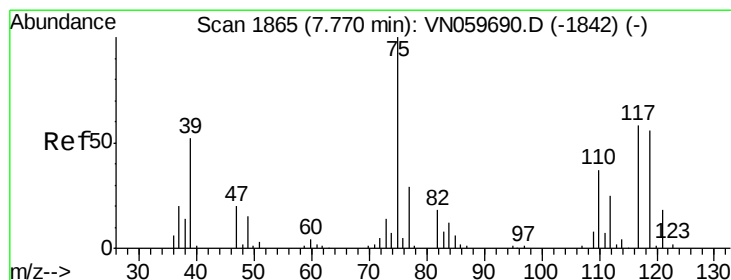
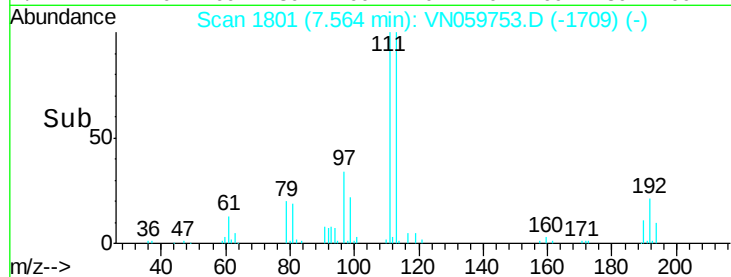
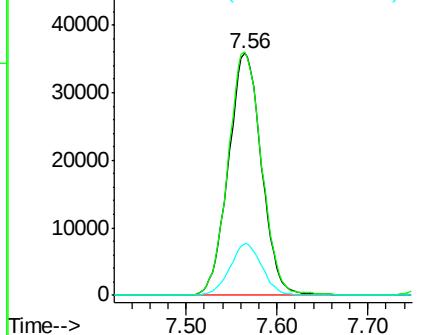
Tot Ion:	113	Resp:	90686
Ion Ratio	Lower	Upper	
113	100		
111	101.9	83.5	125.3
192	20.6	15.4	23.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.015 ug/l

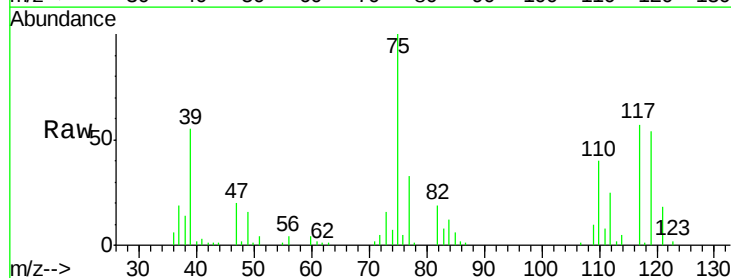
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

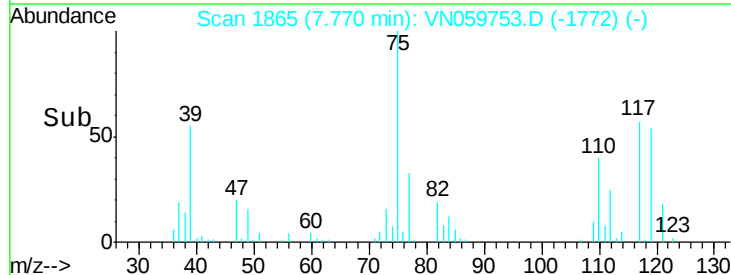
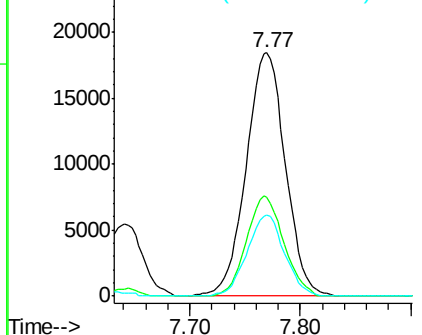
Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion:	75	Resp:	45388
Ion Ratio	Lower	Upper	
75	100		
110	38.9	16.6	49.7
77	31.7	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





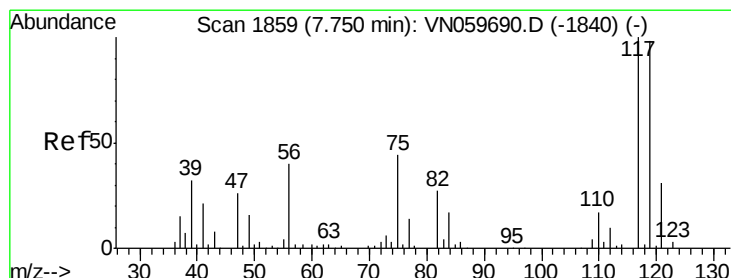
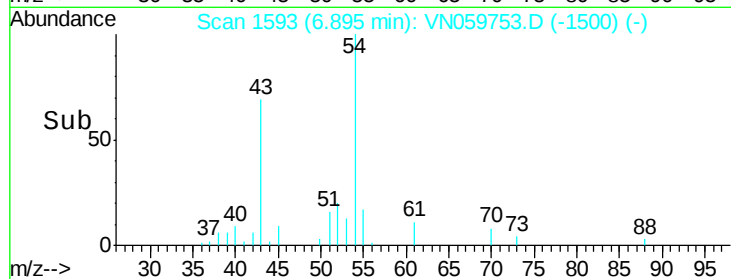
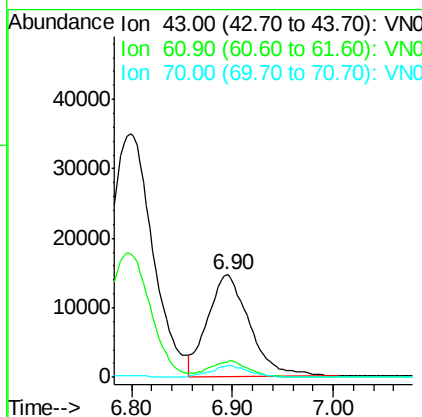
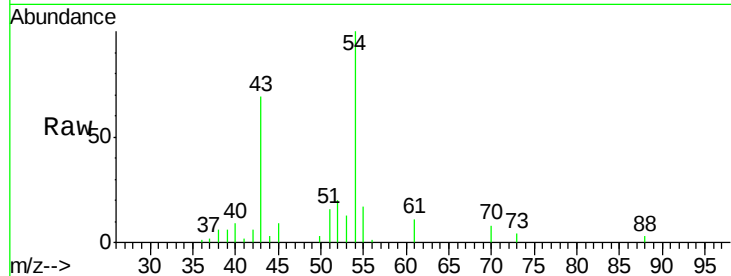
#37
Ethyl Acetate
Concen: 17.781 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.9	16.3
70	10.4	7.7	11.5

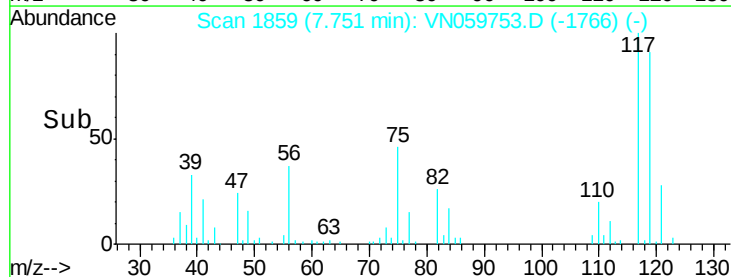
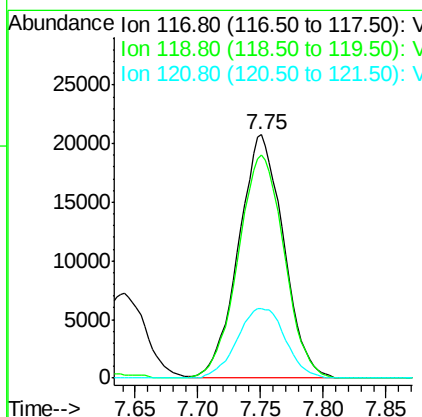
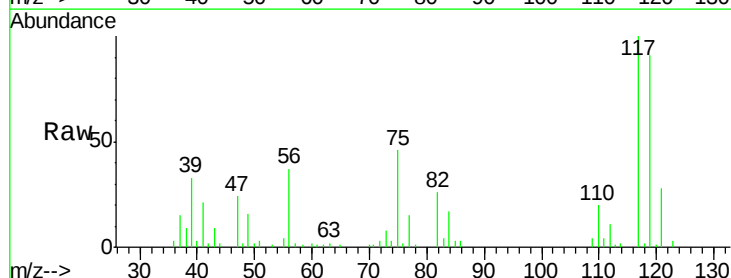
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#38
Carbon Tetrachloride
Concen: 18.822 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	76.5	114.7
121	28.5	25.1	37.7





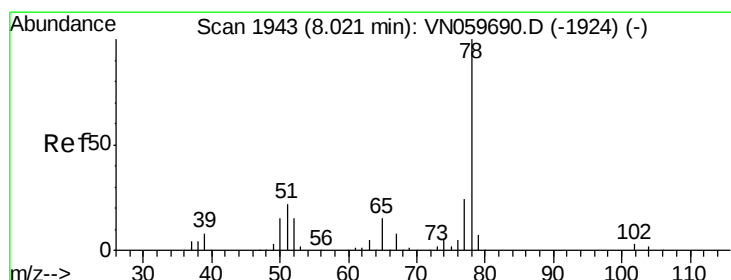
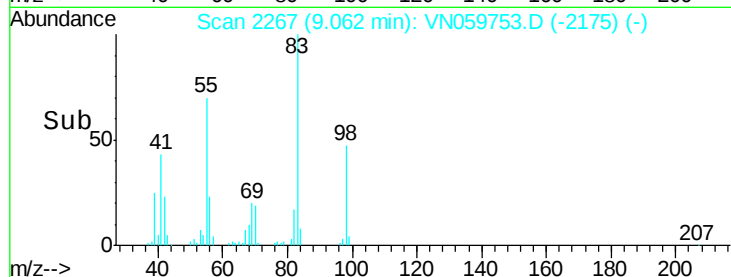
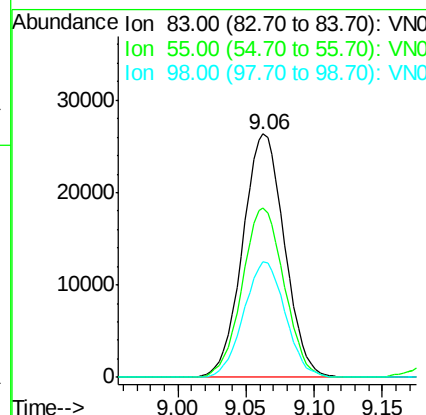
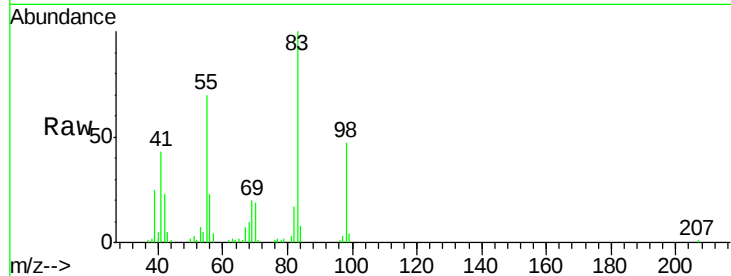
#39
Methvlcvclohexane
Concen: 18.032 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	64.2	96.2
98	47.4	35.9	53.9

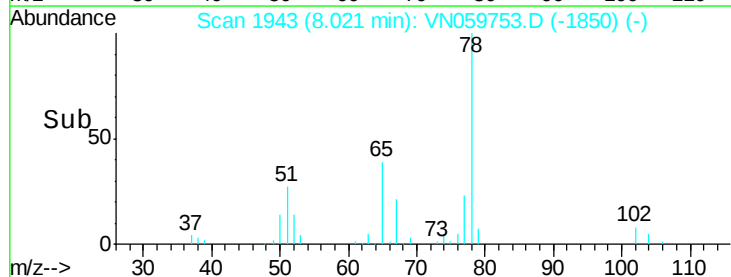
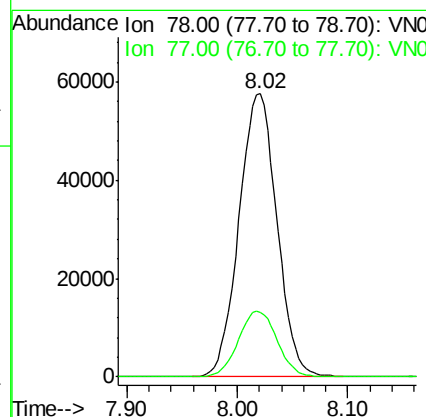
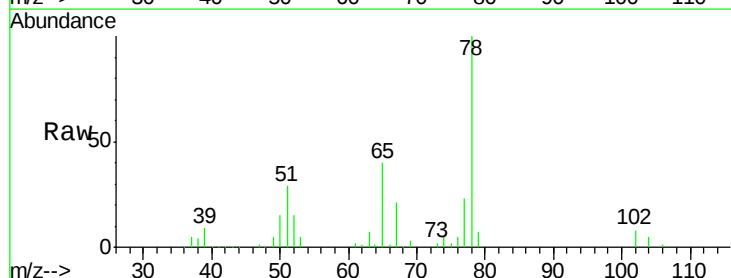
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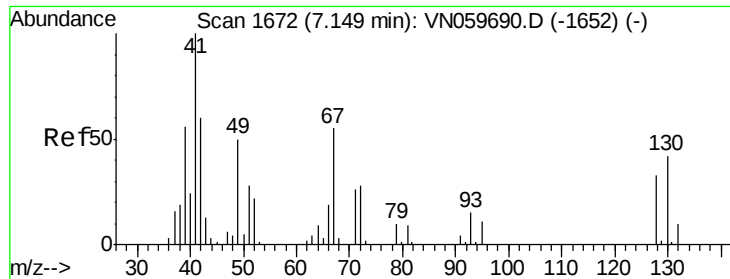
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#40
Benzene
Concen: 18.266 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.9	28.3





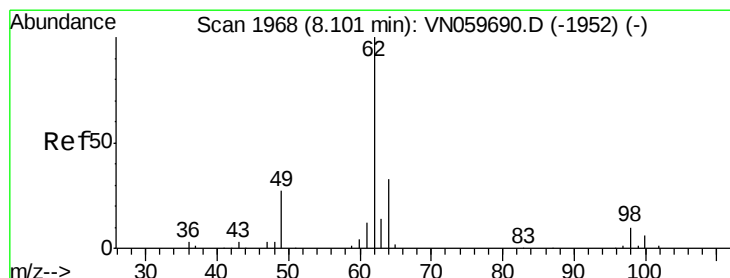
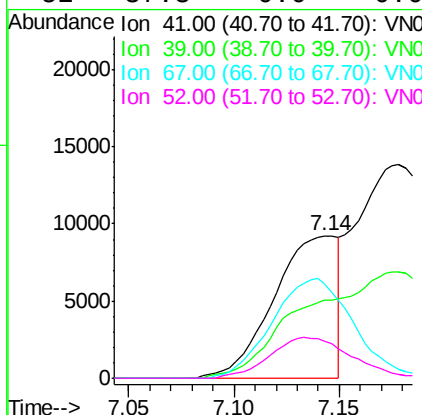
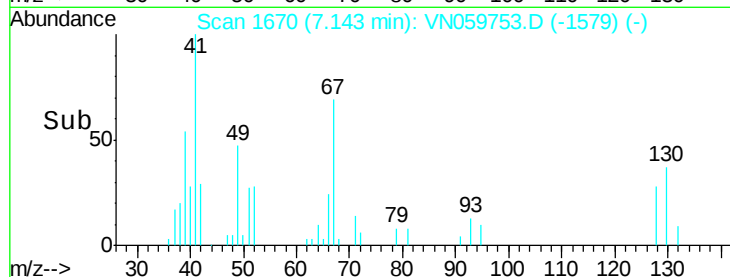
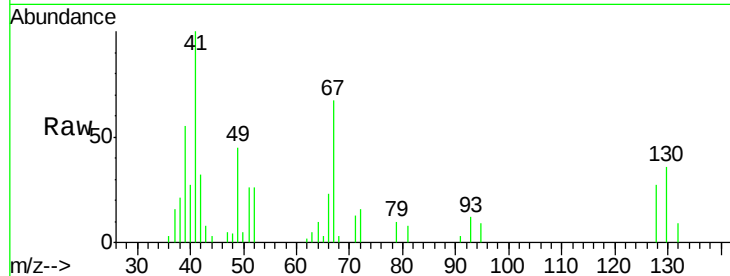
#41
Methacrylonitrile
Concen: 16.692 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		19428		
39	0.0	0.0	0.0		
67	89.9	0.0	0.0		
52	37.3	0.0	0.0		

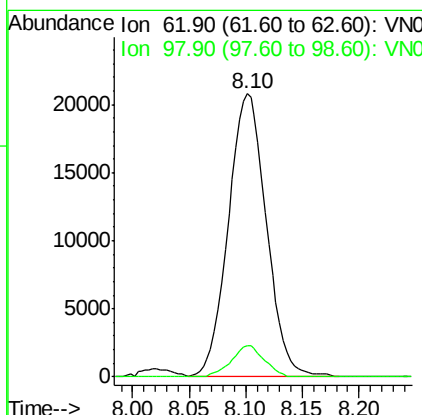
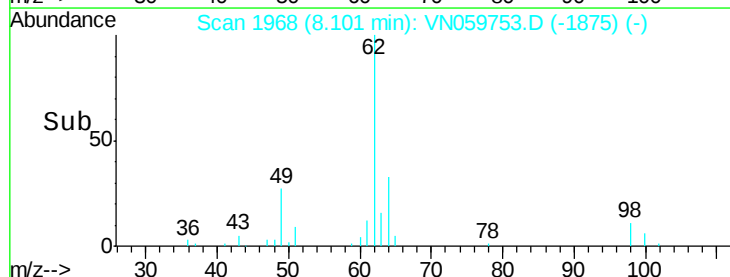
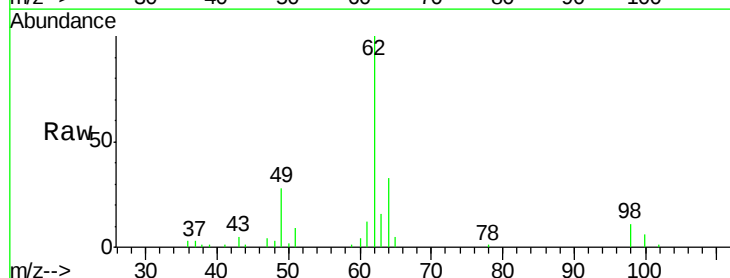
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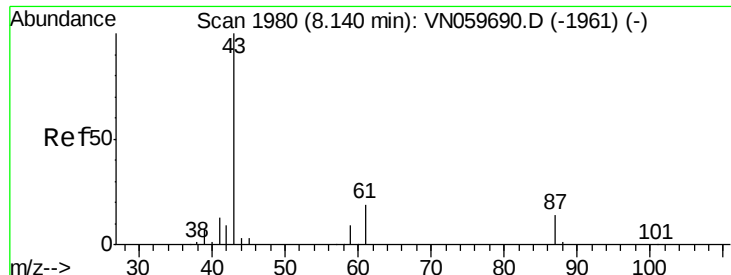
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#42
1,2-Dichloroethane
Concen: 19.125 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		48723		
98	9.5	0.0	15.8		





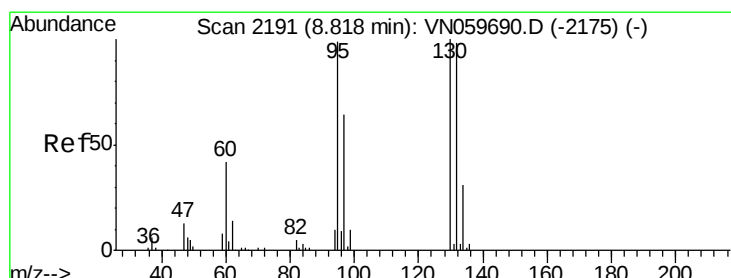
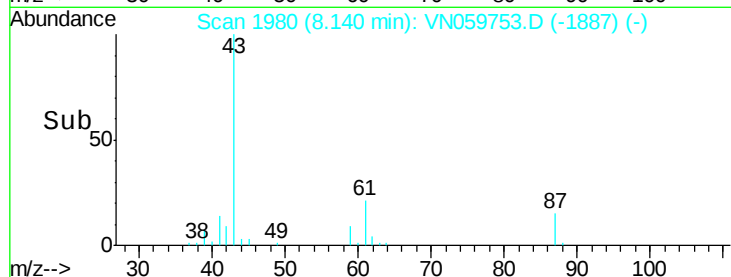
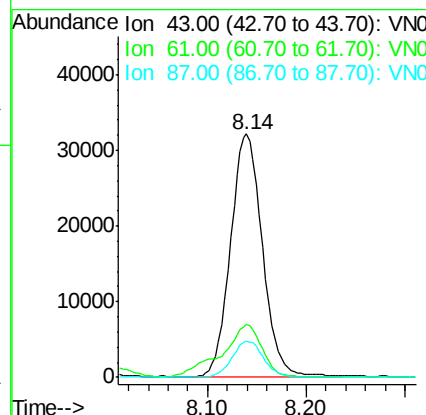
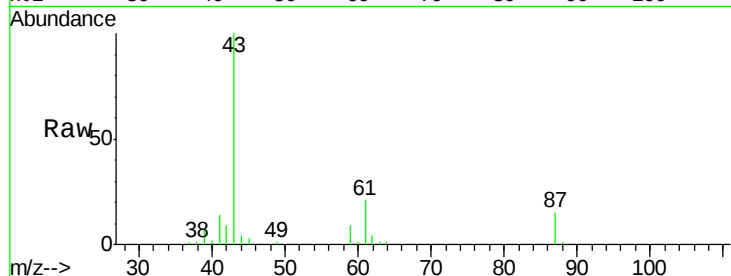
#43
Isopropyl Acetate
Concen: 17.931 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.2	30.2
87	14.4	9.5	14.3

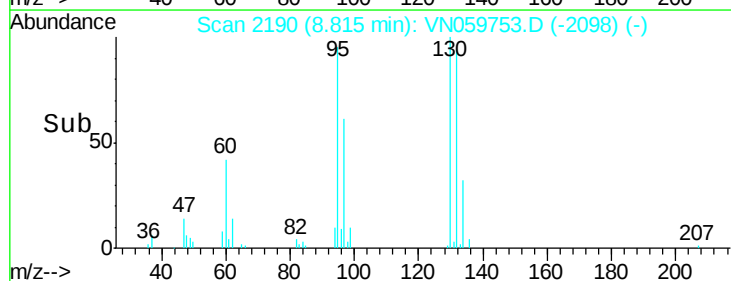
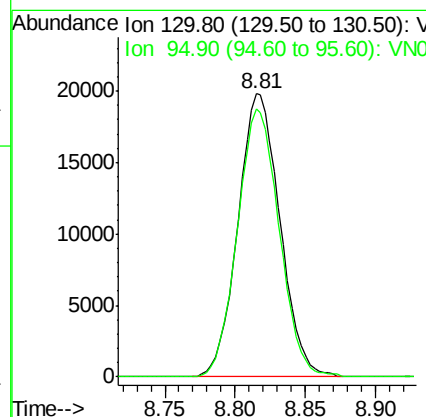
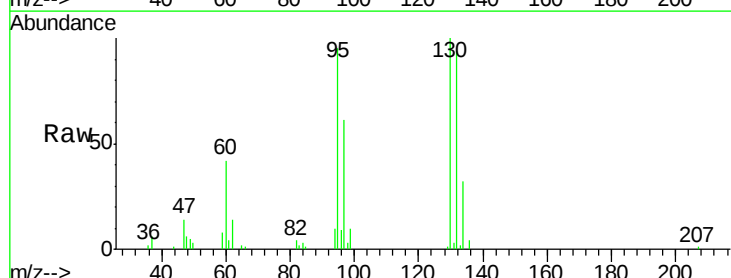
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#44
Trichloroethene
Concen: 20.120 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	207.0





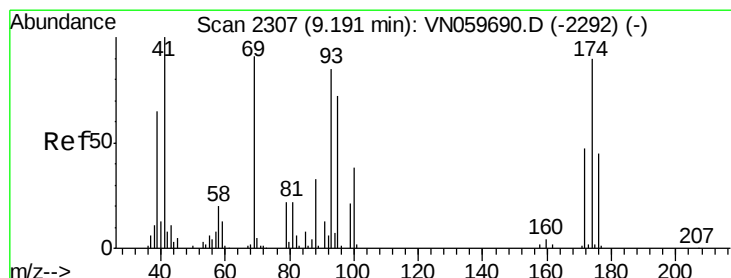
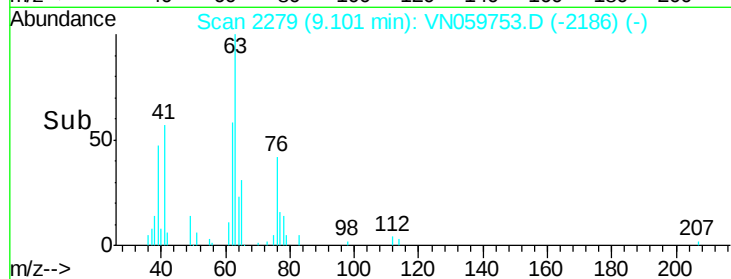
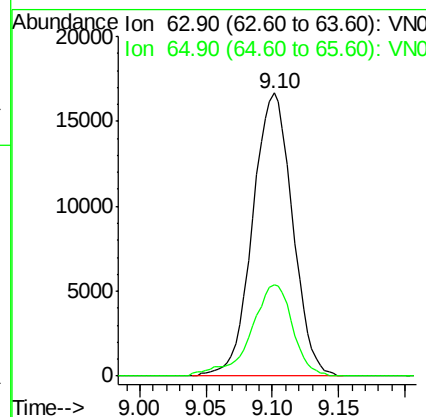
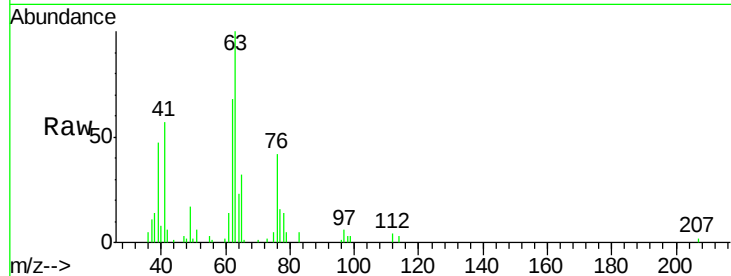
#45
 1,2-Dichloropropane
 Concen: 18.741 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	63	Resp	34845
Ion Ratio	Lower	Upper	
63	100		
65	32.2	24.9	37.3

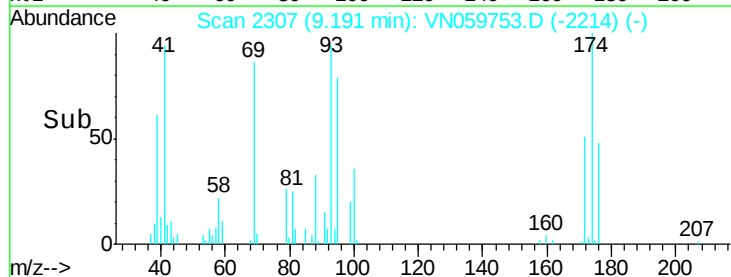
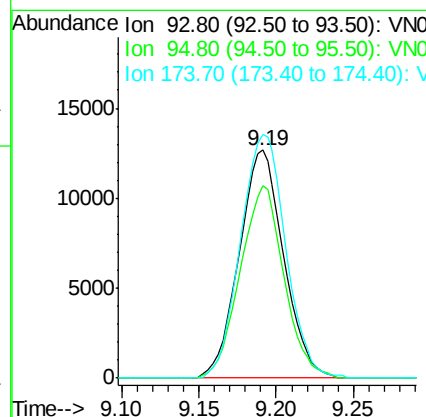
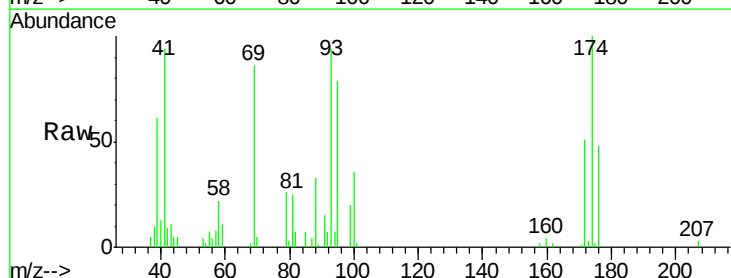
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.301 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	93	Resp	25315
Ion Ratio	Lower	Upper	
93	100		
95	82.9	67.0	100.6
174	108.5	73.4	110.2





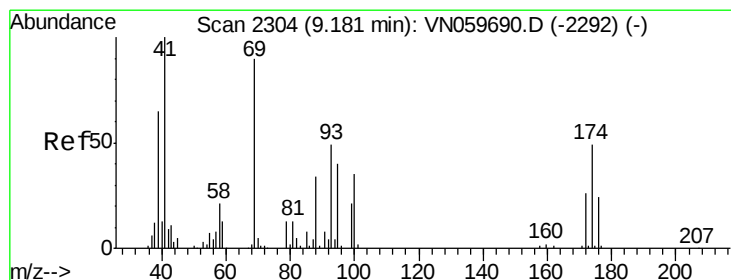
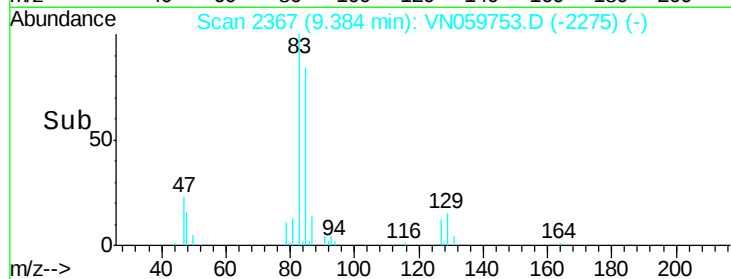
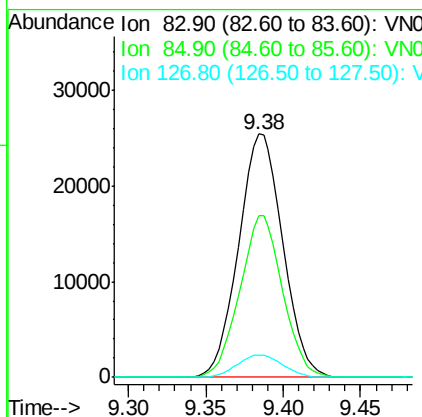
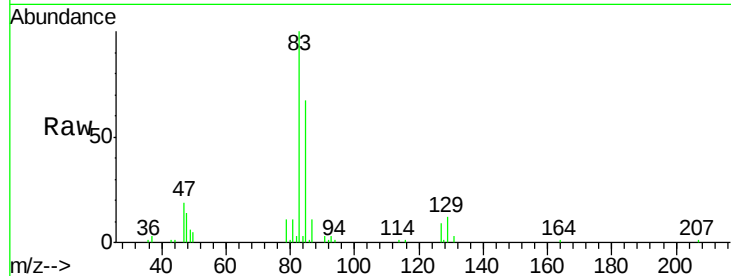
#47
Bromodichloromethane
Concen: 19.085 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	83	Resp	50442
Ion Ratio	100	Lower	Upper
83	100		
85	66.6	51.1	76.7
127	9.1	6.6	9.8

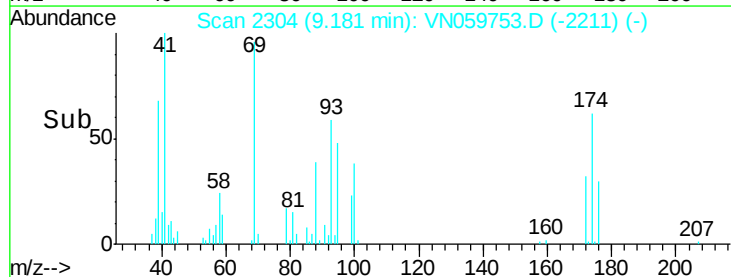
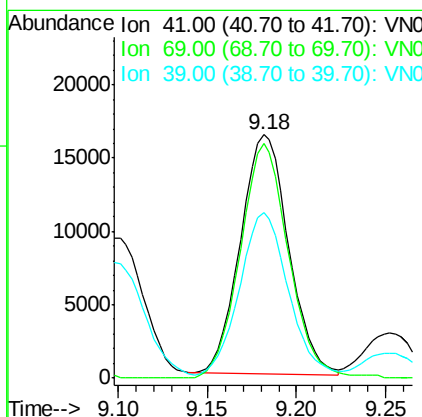
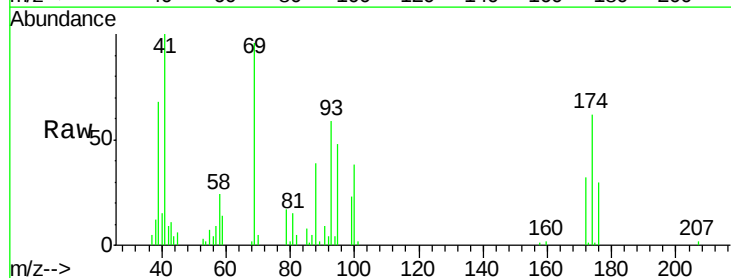
Manual Integrations
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#48
Methyl methacrylate
Concen: 16.947 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	41	Resp	30810
Ion Ratio	100	Lower	Upper
41	100		
69	98.5	64.4	96.6#
39	68.2	51.3	76.9





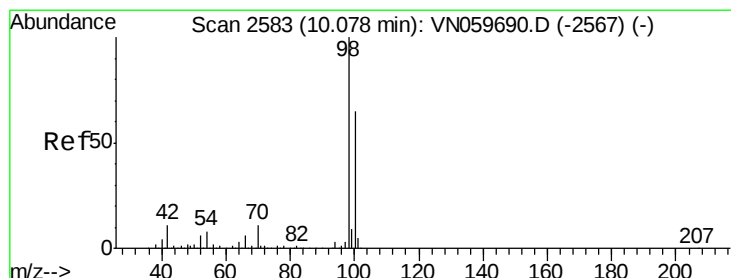
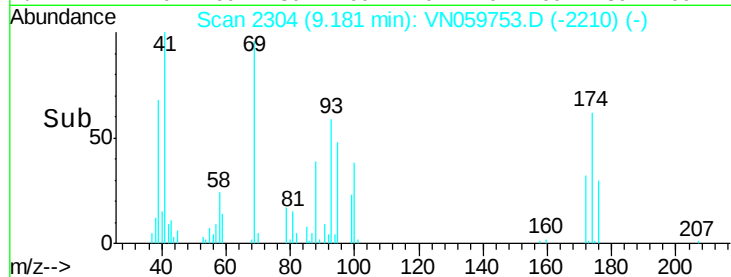
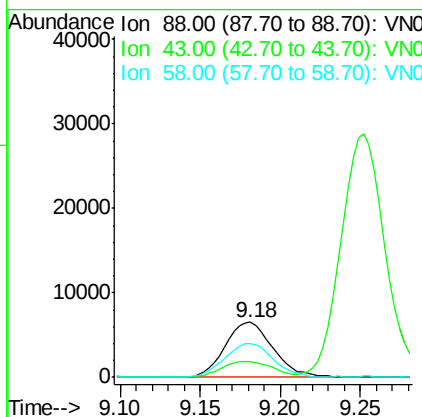
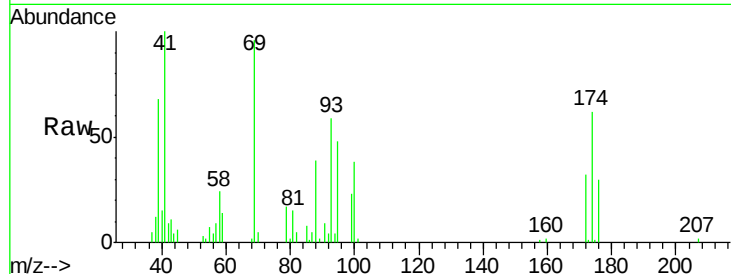
#49
1,4-Dioxane
Concen: 400.067 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0117WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.1	29.7	44.5	
58	62.1	56.6	85.0	

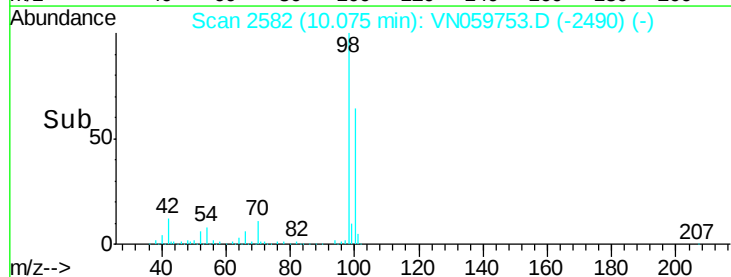
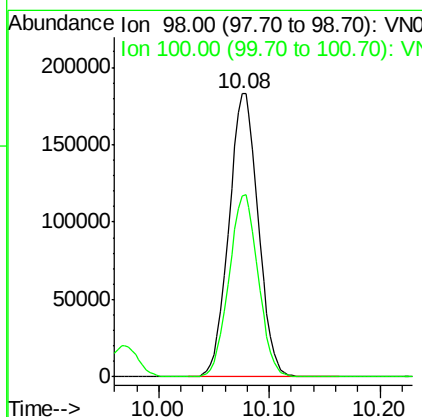
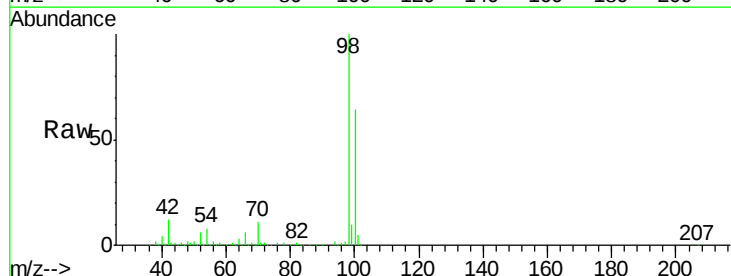
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#50
Toluene-d8
Concen: 50.506 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.1	51.2	76.8	





#51

4-Methyl-2-Pentanone

Concen: 89.086 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion: 43 Resp: 209314

Ion Ratio Lower Upper

43 100

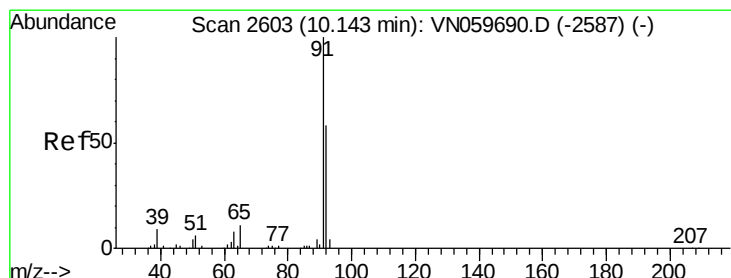
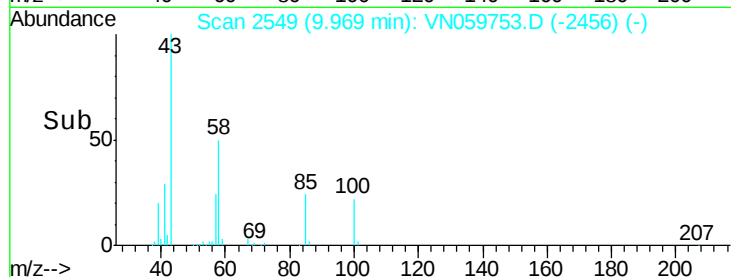
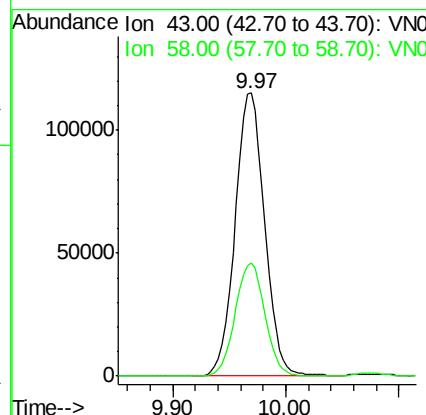
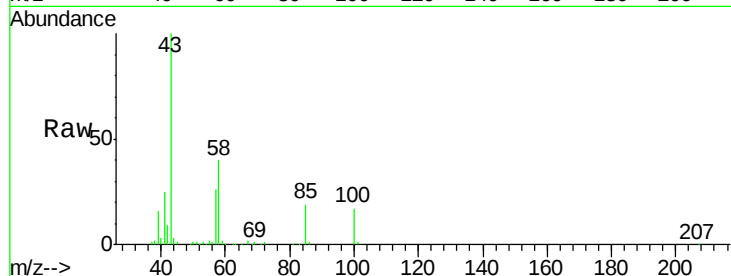
58 40.4 29.8 44.8

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#52

Toluene

Concen: 18.763 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059753.D

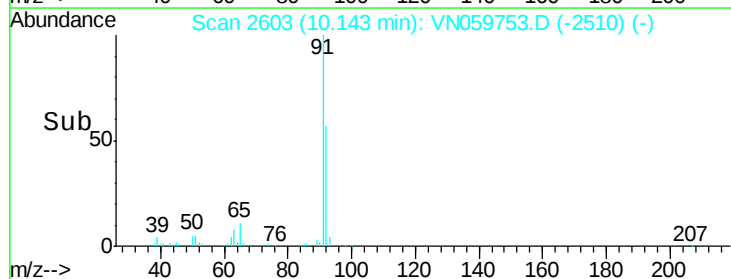
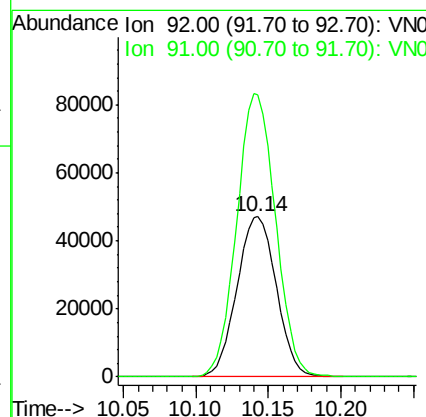
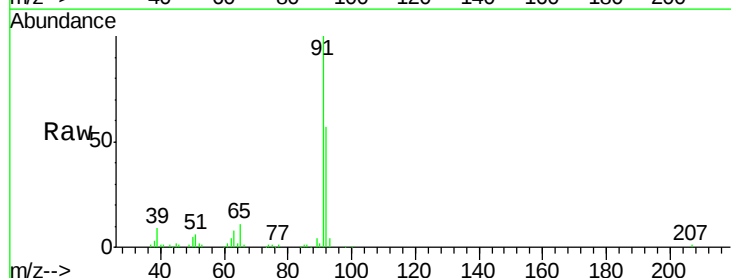
Acq: 17 Jan 2020 12:15

Tgt Ion: 92 Resp: 89052

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6





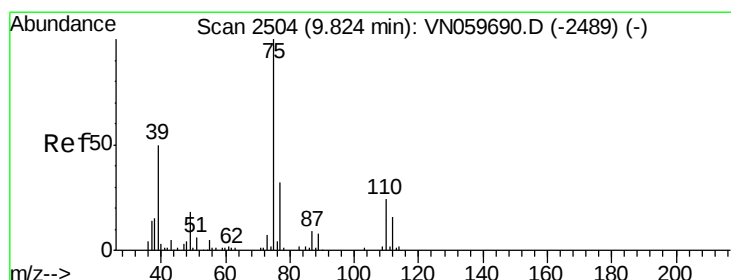
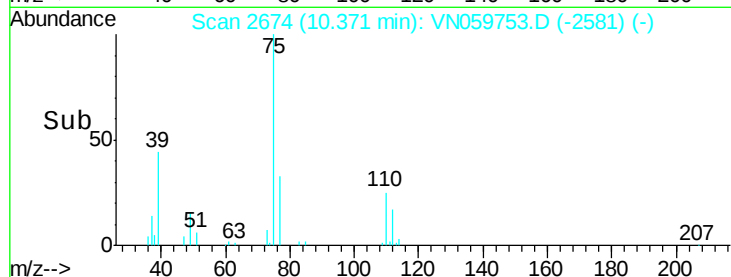
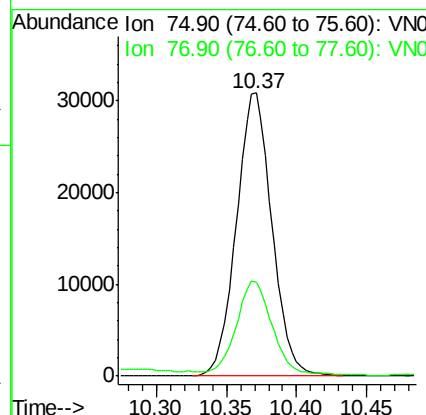
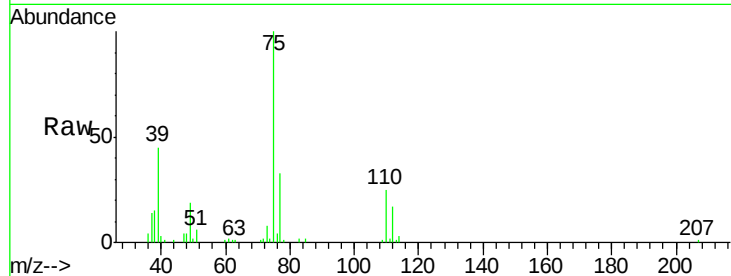
#53
t-1,3-Dichloropropene
Concen: 18.435 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion: 75 Resp: 54405
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2

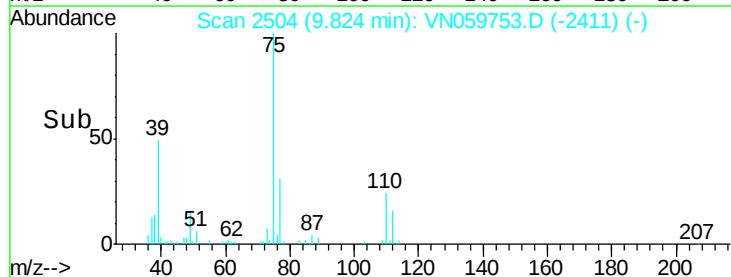
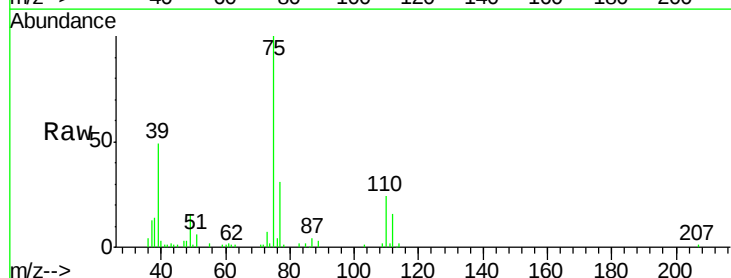
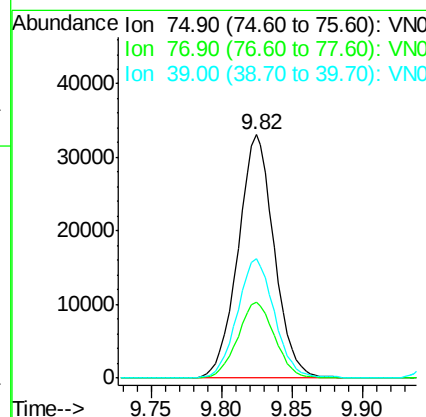
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#54
cis-1,3-Dichloropropene
Concen: 19.124 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion: 75 Resp: 59384
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7
39 48.9 46.1 69.1





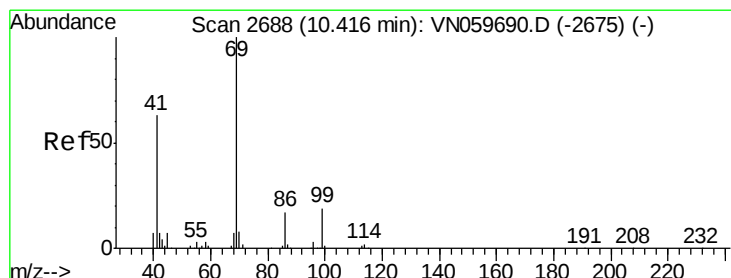
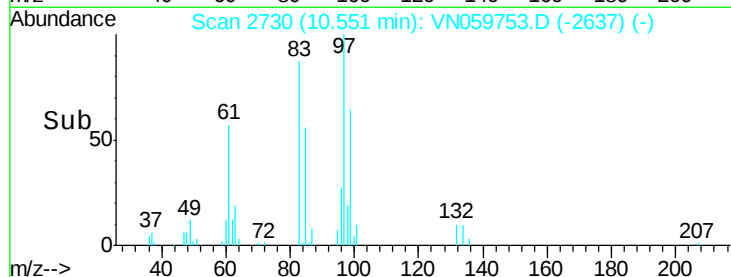
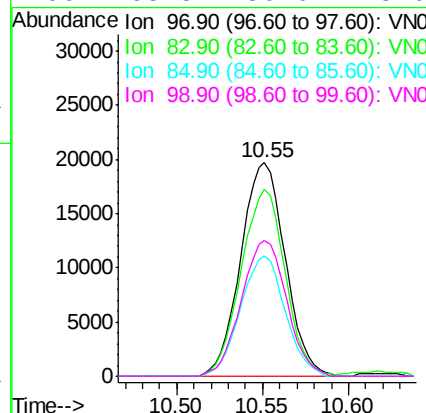
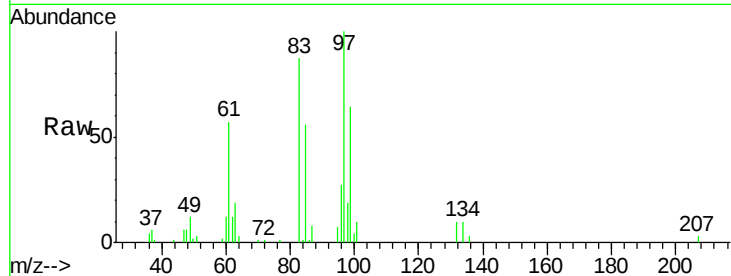
#55
 1,1,2-Trichloroethane
 Concen: 18.760 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion:	97	Resp:	35264
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.3	106.9
85	56.4	45.8	68.8
99	63.8	50.0	75.0

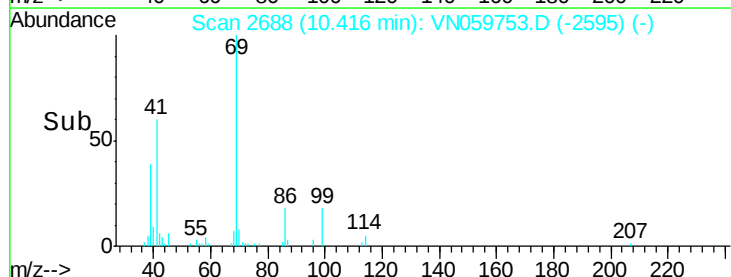
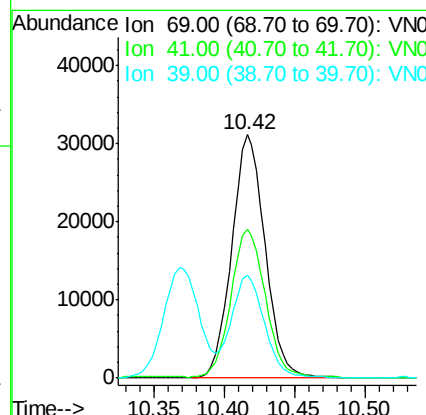
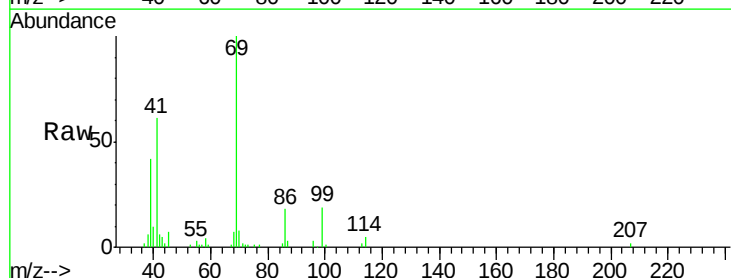
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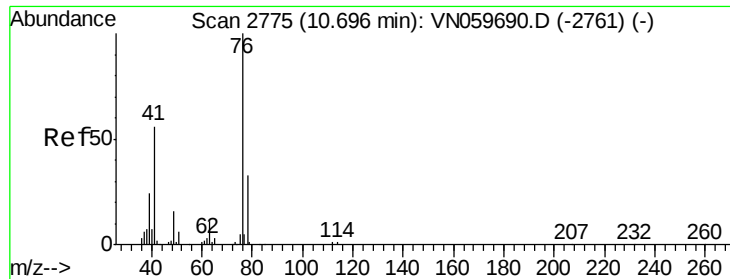
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#56
 Ethyl methacrylate
 Concen: 17.919 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion:	69	Resp:	51469
Ion	Ratio	Lower	Upper
69	100		
41	63.5	57.1	85.7
39	42.5	34.7	52.1





#57

1,3-Dichloropropane

Concen: 19.393 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0117WBSD01

Tot Ion: 76 Resp: 57874

Ion Ratio Lower Upper

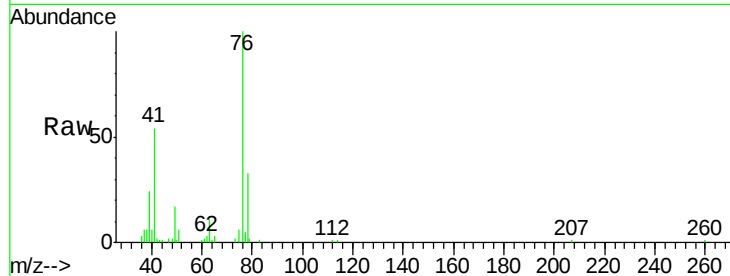
76 100

78 32.3 25.8 38.8

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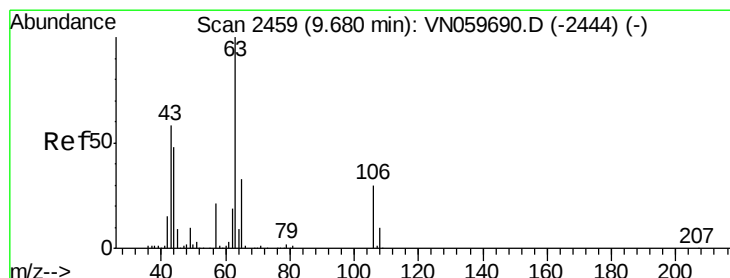
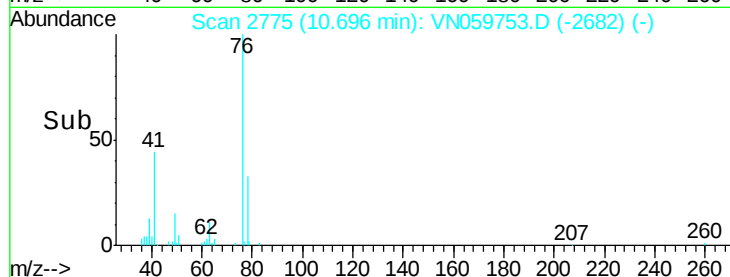
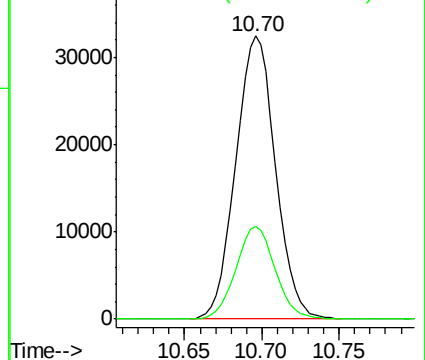
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 106.851 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059753.D

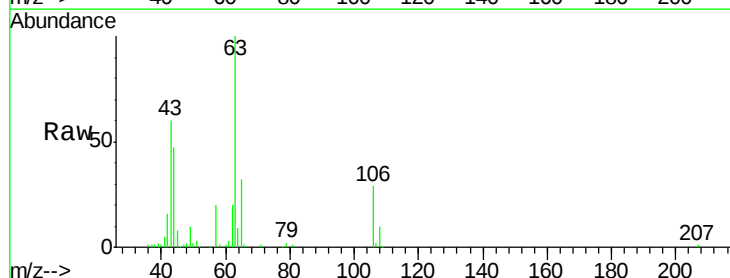
Acq: 17 Jan 2020 12:15

Tgt Ion: 63 Resp: 92441

Ion Ratio Lower Upper

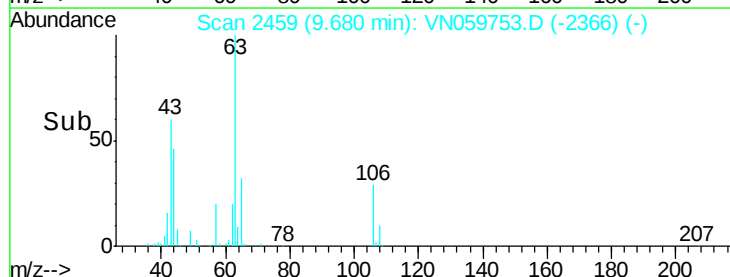
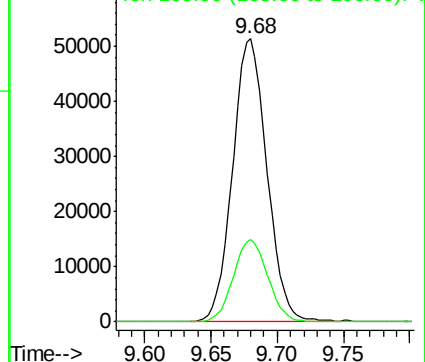
63 100

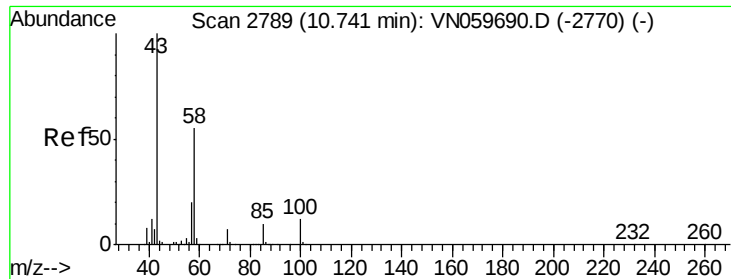
106 29.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





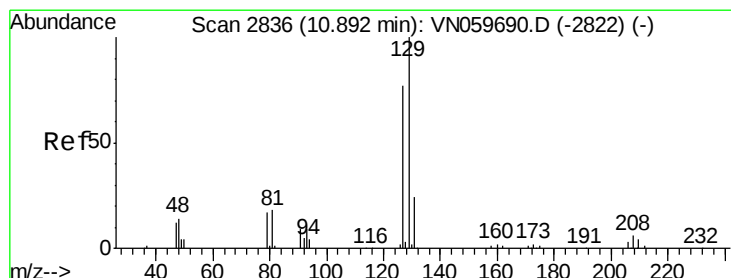
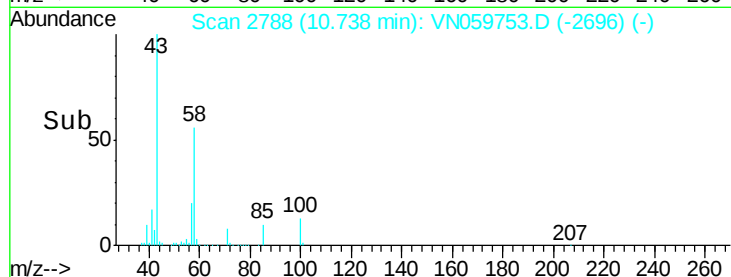
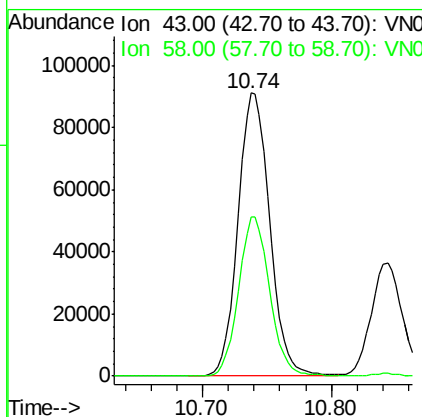
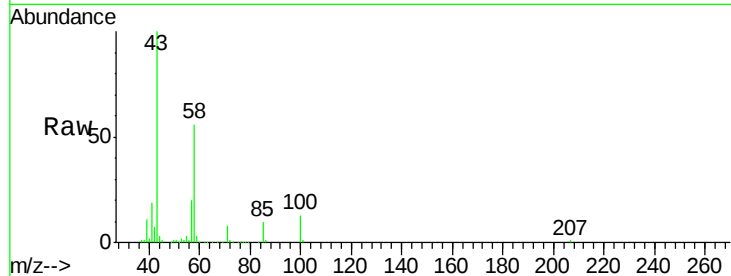
#59
2-Hexanone
Concen: 90.335 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion: 43 Resp: 156364
Ion Ratio Lower Upper
43 100
58 55.0 25.8 77.3

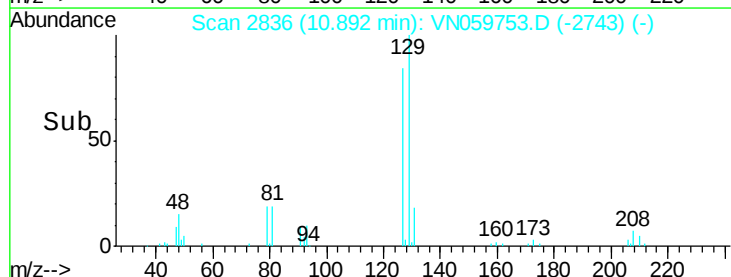
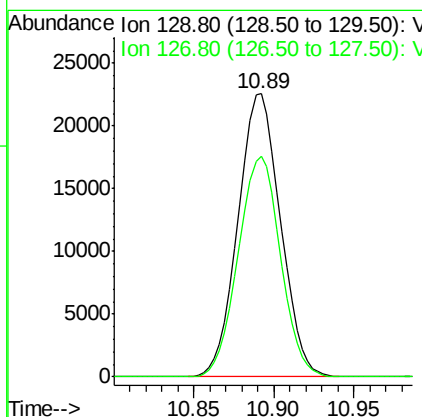
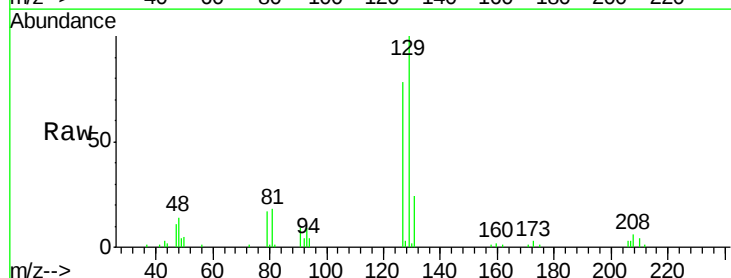
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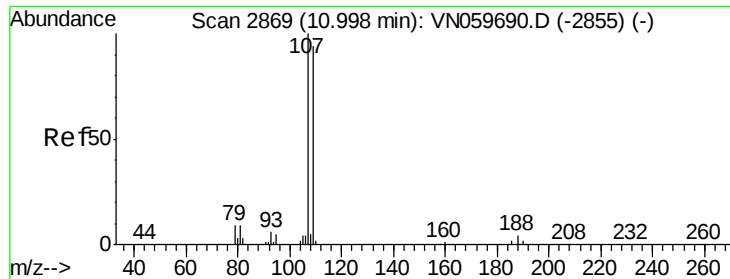
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#60
Dibromochloromethane
Concen: 19.108 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion: 129 Resp: 40902
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





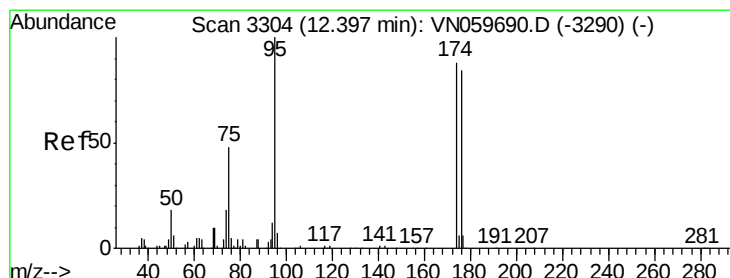
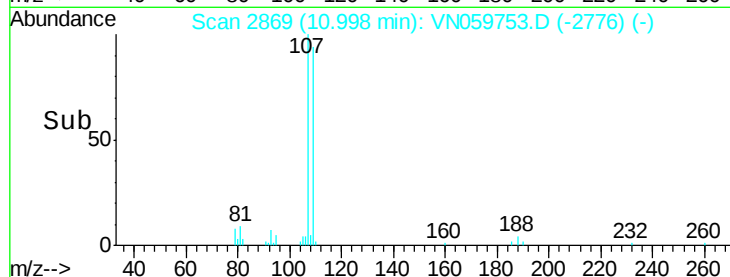
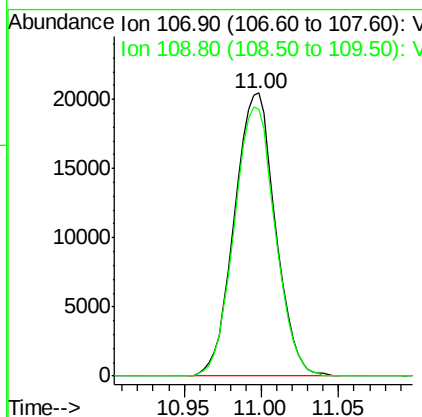
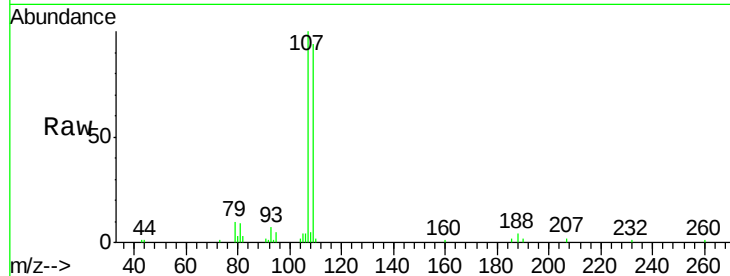
#61
 1,2-Dibromoethane
 Concen: 19.095 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.6	115.0

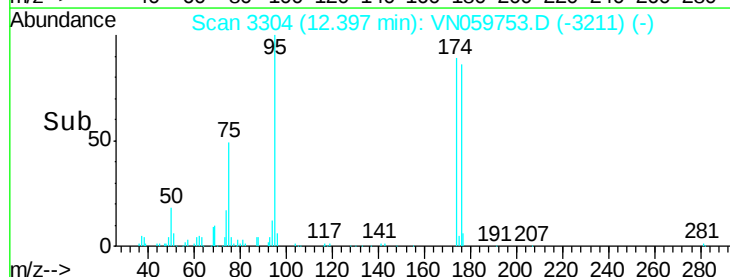
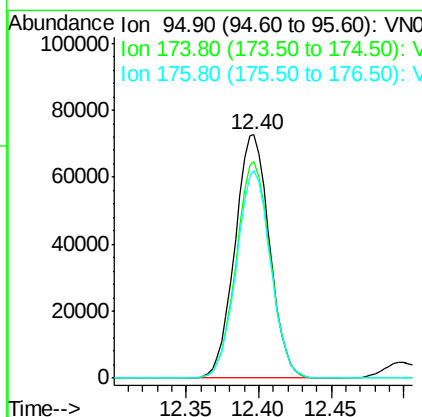
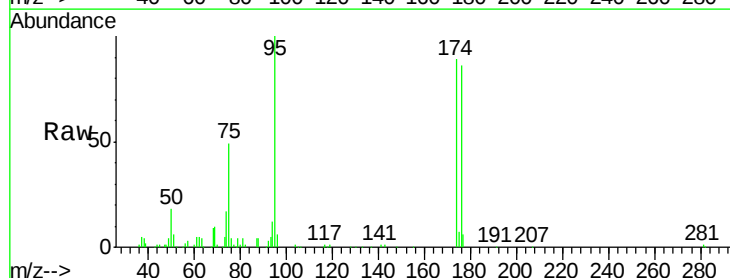
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#62
 4-Bromofluorobenzene
 Concen: 50.029 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	151.4
176	84.5	0.0	146.0





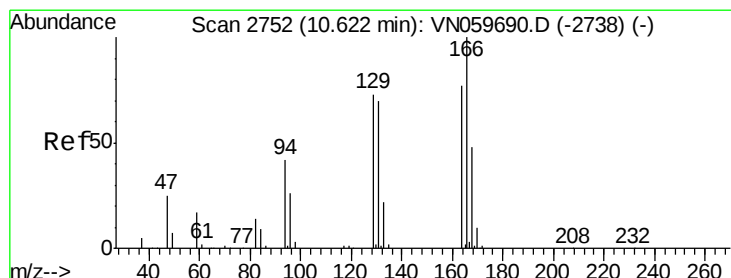
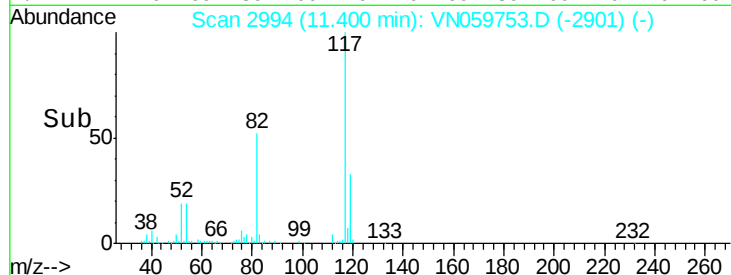
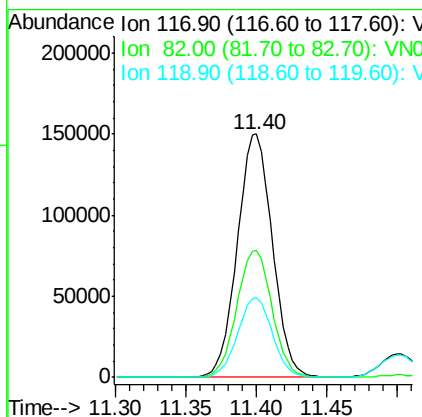
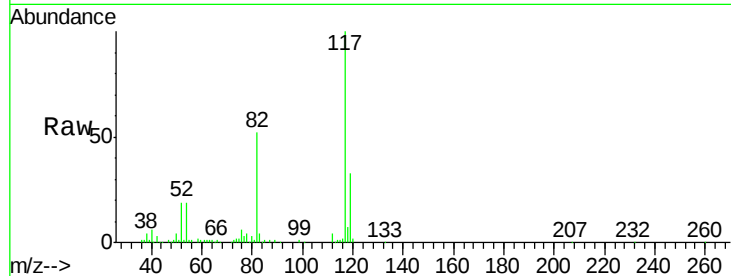
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261835		
82	52.1	45.9	68.9	
119	32.7	25.5	38.3	

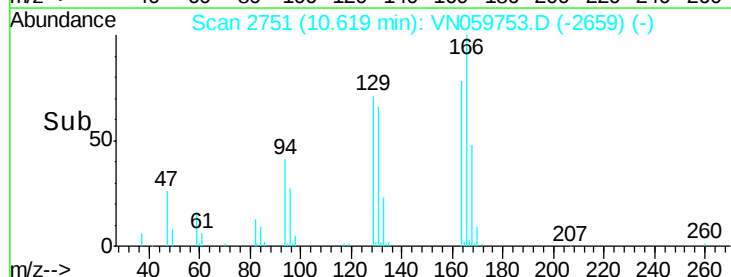
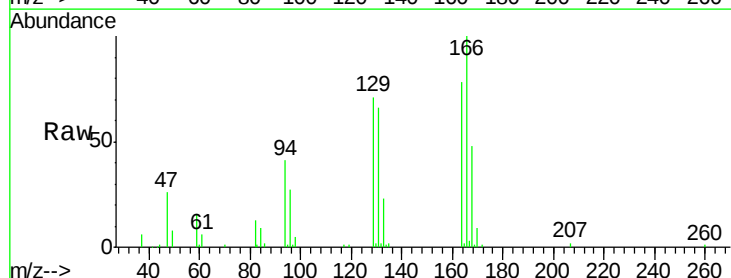
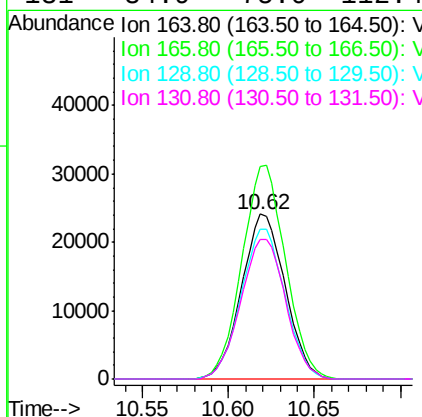
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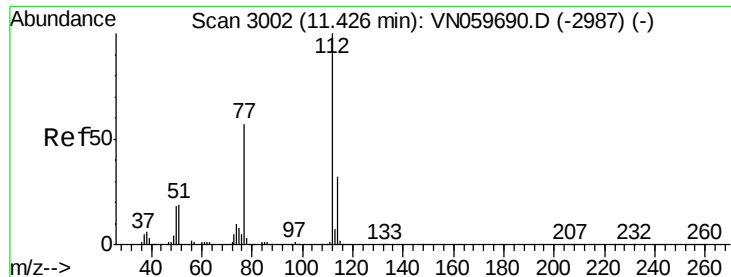
MMDadoda
1/20/2020 11:12:11 AM



#64
Tetrachloroethene
Concen: 19.886 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42436		
166	128.7	101.4	152.0	
129	91.0	80.2	120.4	
131	84.9	75.0	112.4	





#65

Chlorobenzene

Concen: 18.843 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion:112 Resp: 96977

Ion Ratio Lower Upper

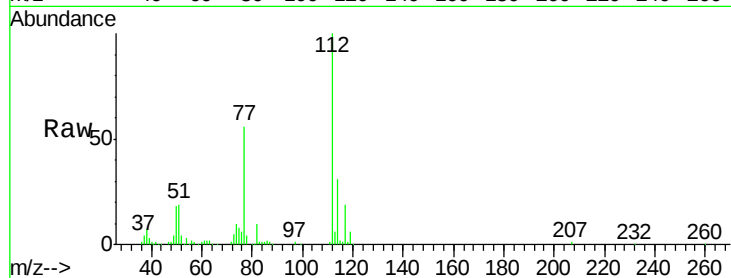
112 100

114 31.4 25.8 38.8

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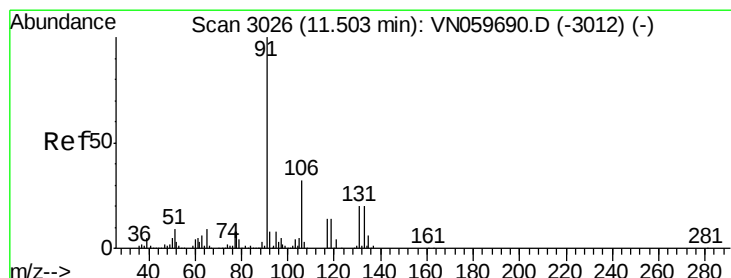
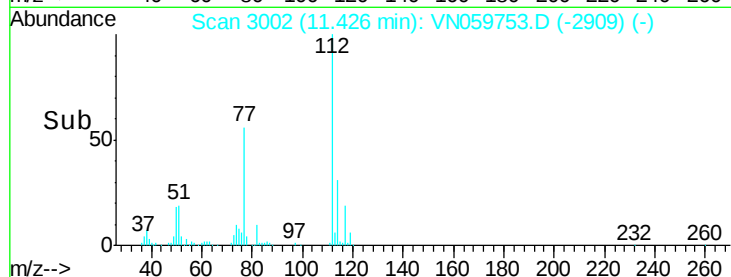
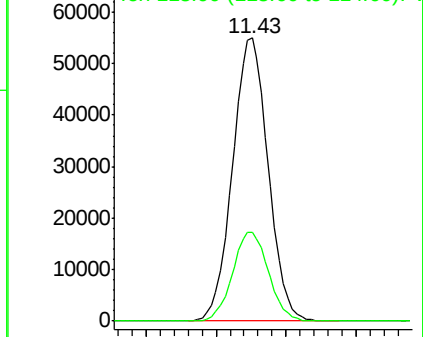
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.127 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

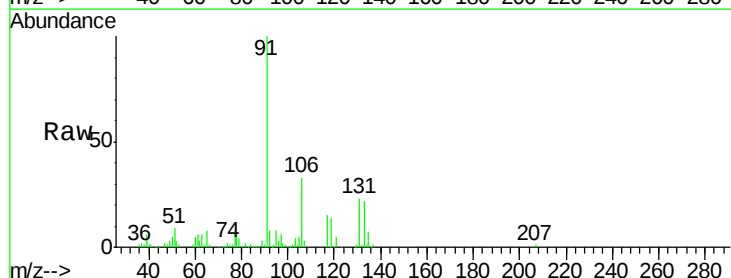
Tgt Ion:131 Resp: 38036

Ion Ratio Lower Upper

131 100

133 96.2 47.4 142.2

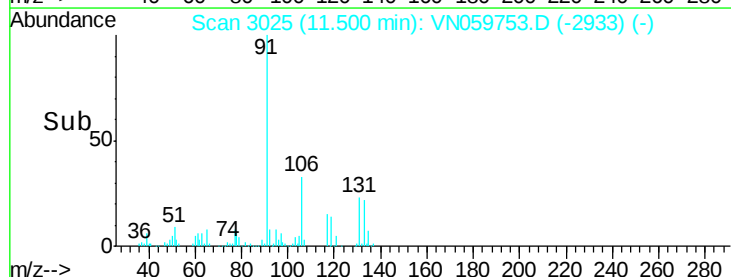
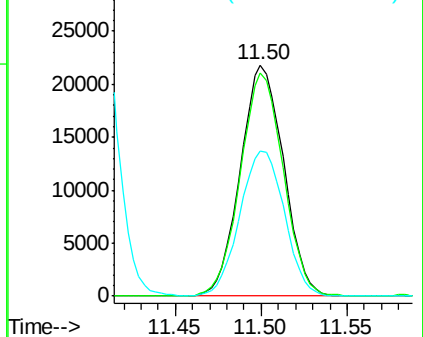
119 64.8 33.1 99.3

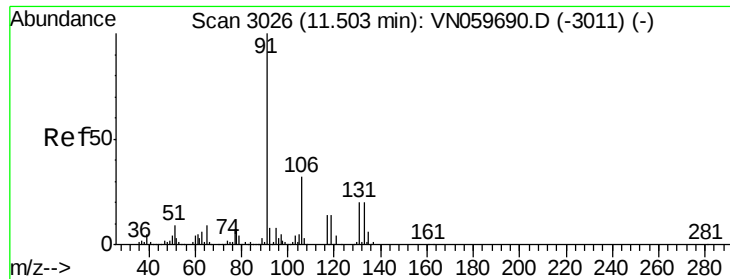


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





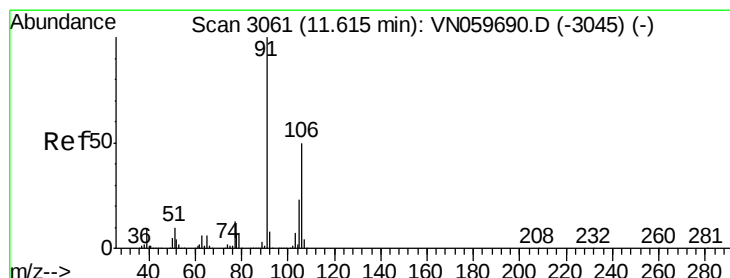
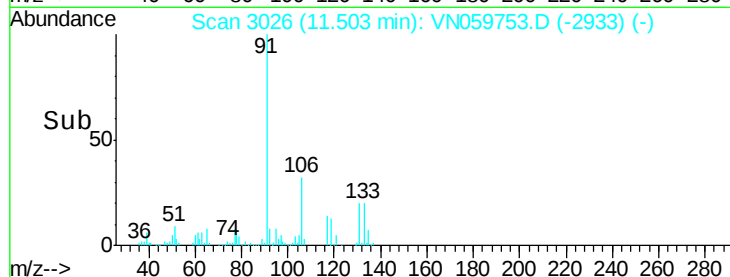
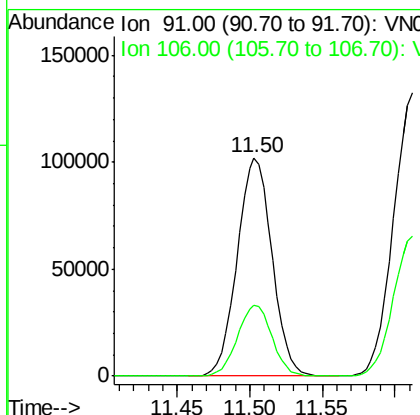
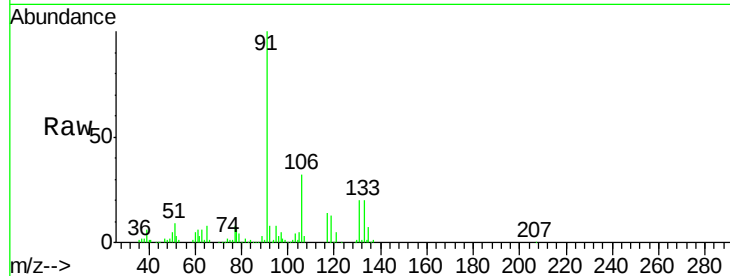
#67
Ethyl Benzene
Concen: 18.196 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.4	24.1	36.1	

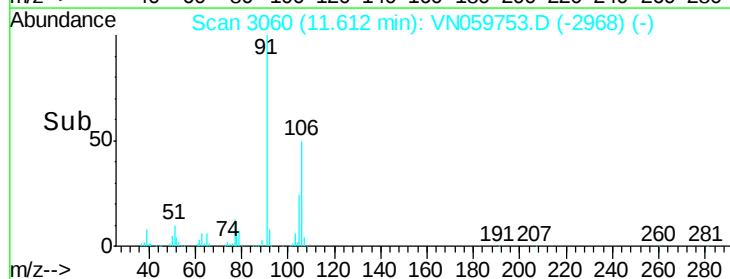
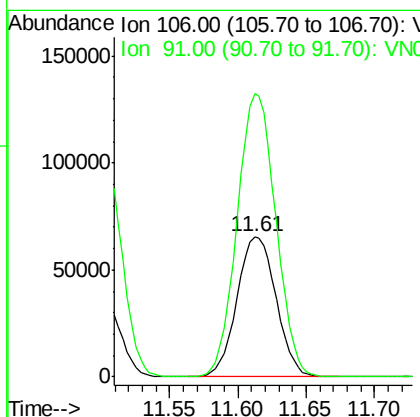
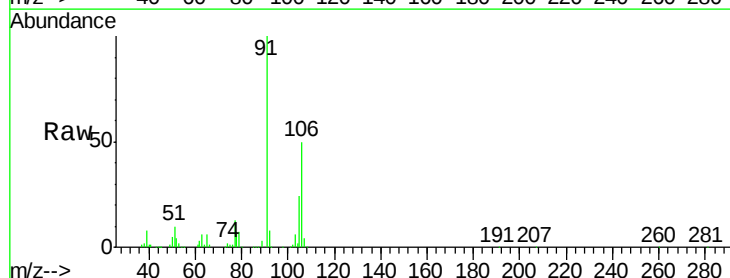
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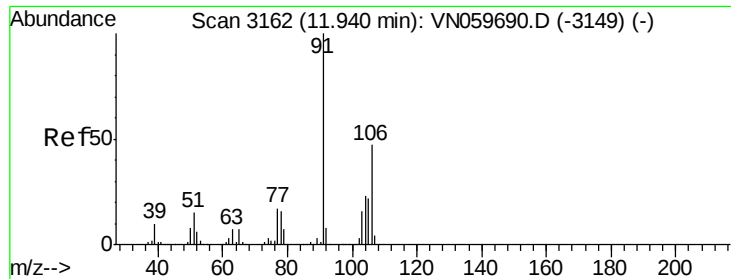
MMDadoda
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#68
m/p-Xylenes
Concen: 36.905 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	199.5	167.9	251.9	





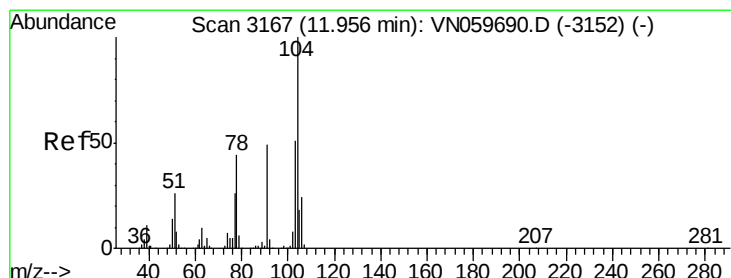
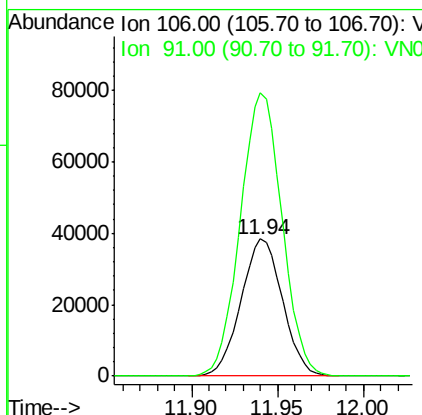
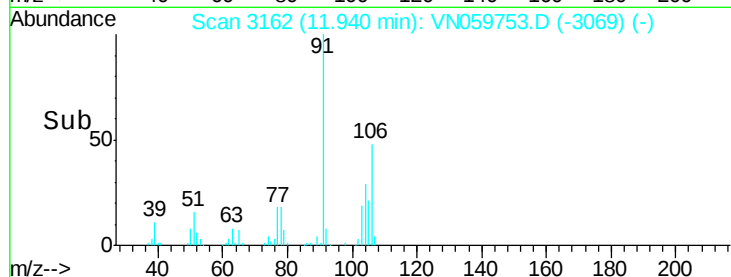
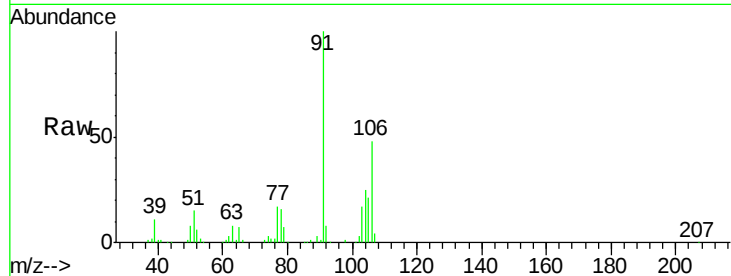
#69
o-Xylene
Concen: 18.589 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion:106 Resp: 64223
Ion Ratio Lower Upper
106 100
91 207.5 110.3 330.9

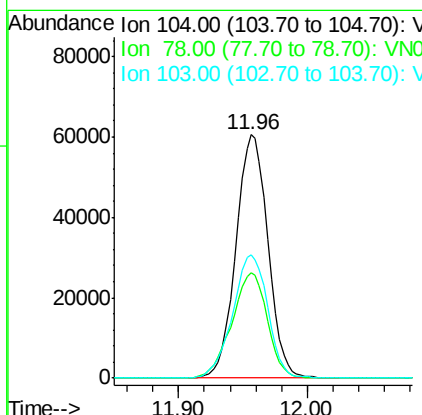
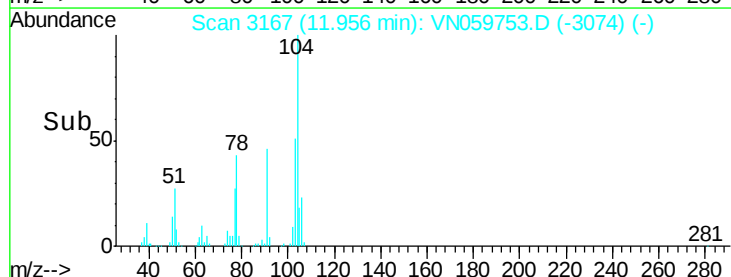
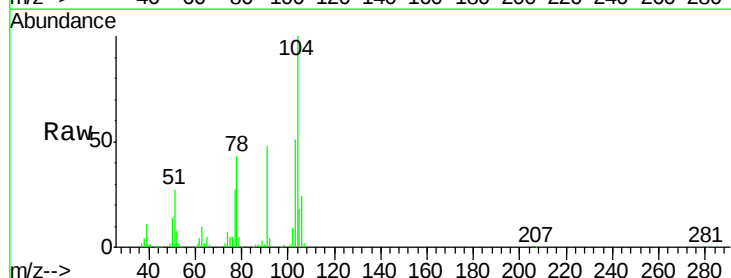
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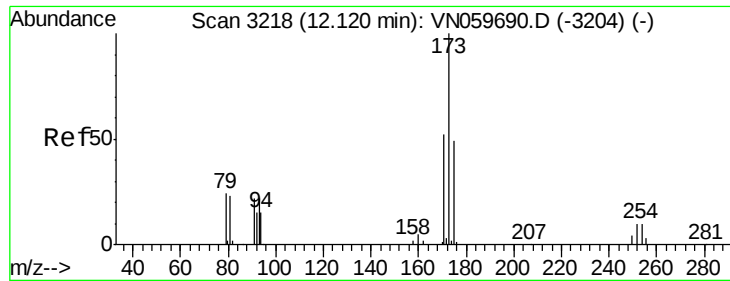
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#70
Styrene
Concen: 18.061 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion:104 Resp: 104418
Ion Ratio Lower Upper
104 100
78 48.1 42.4 63.6
103 55.4 43.9 65.9





#71

Bromoform

Concen: 19.273 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion:173 Resp: 30699

Ion Ratio Lower Upper

173 100

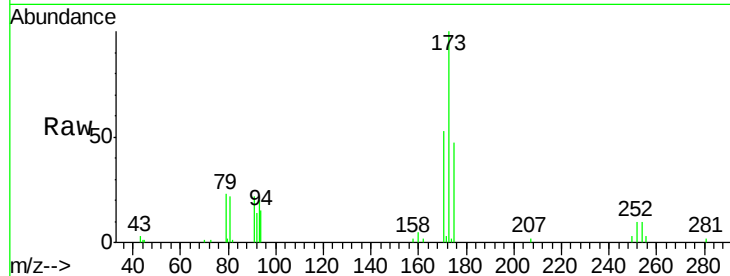
175 48.2 23.8 71.4

254 0.0 0.0 0.0

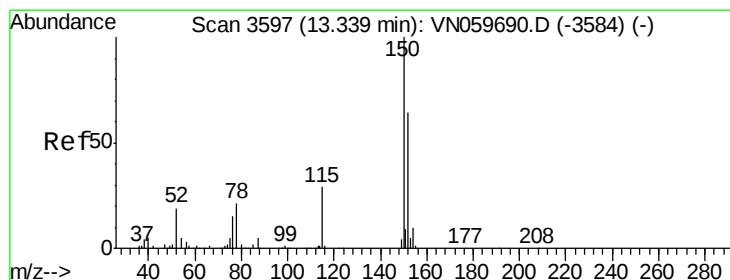
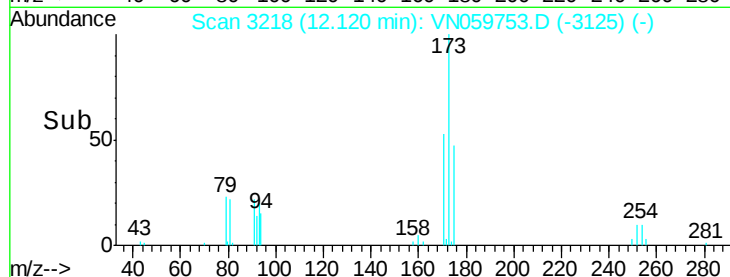
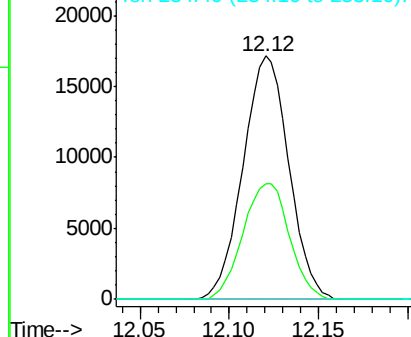
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

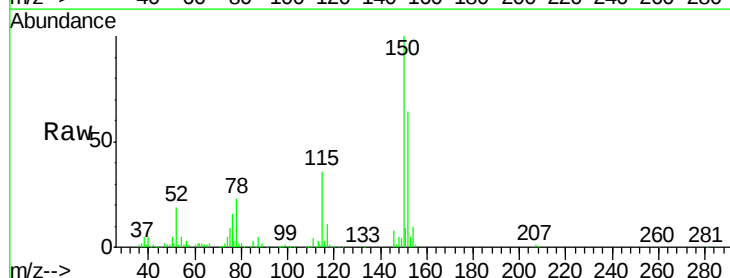
Tgt Ion:152 Resp: 125041

Ion Ratio Lower Upper

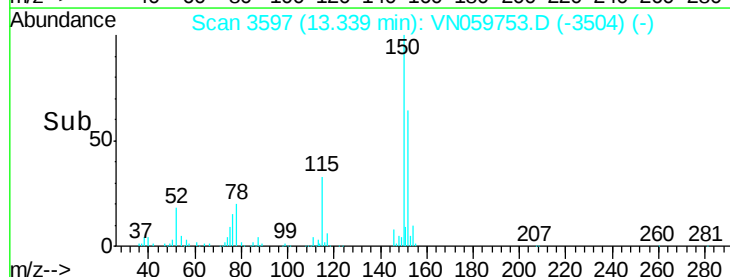
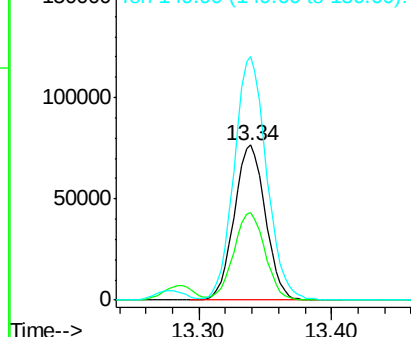
152 100

115 56.7 30.3 90.9

150 163.3 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.327 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion: 105 Resp: 168065

Ion Ratio Lower Upper

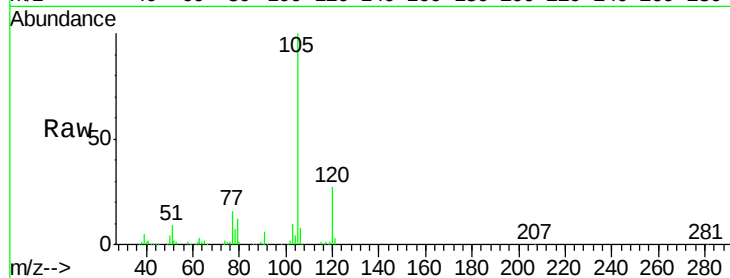
105 100

120 27.3 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

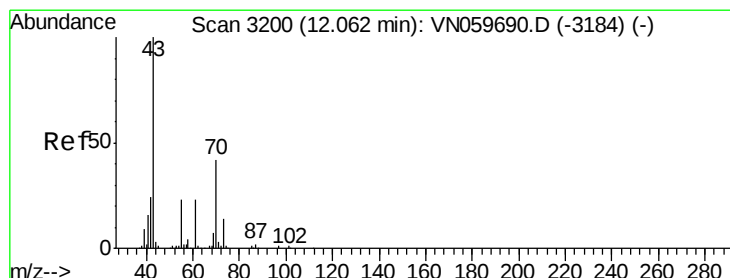
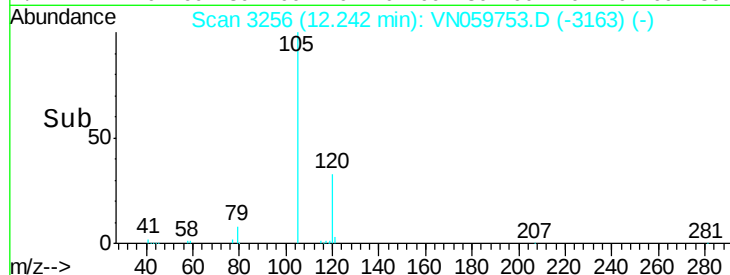
40000

20000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 17.460 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion: 43 Resp: 62129

Ion Ratio Lower Upper

43 100

70 42.4 31.3 46.9

55 22.9 19.8 29.6

61 24.3 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

30000

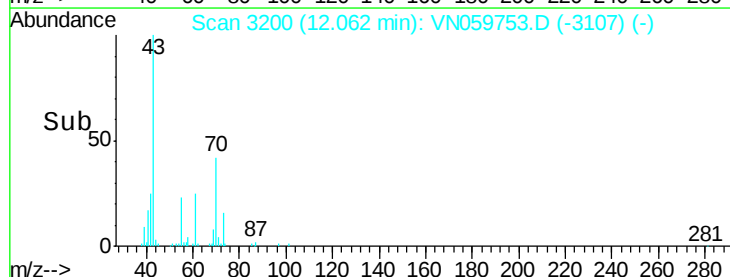
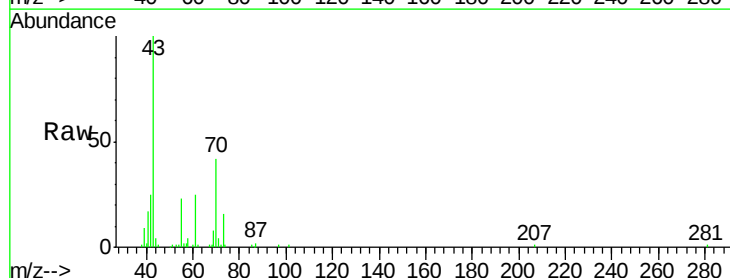
20000

10000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.397 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

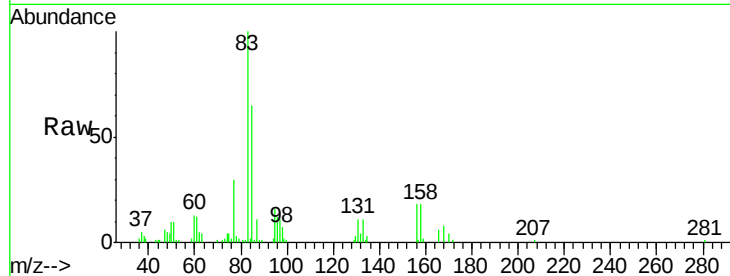
ClientSampleId :

VN0117WBSD01

Tot Ion:	83	Resp:	48908
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	64.9	31.9	95.5

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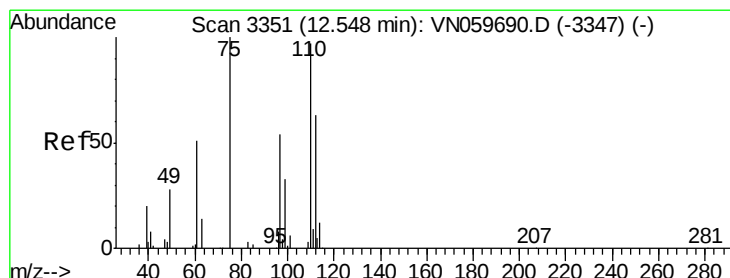
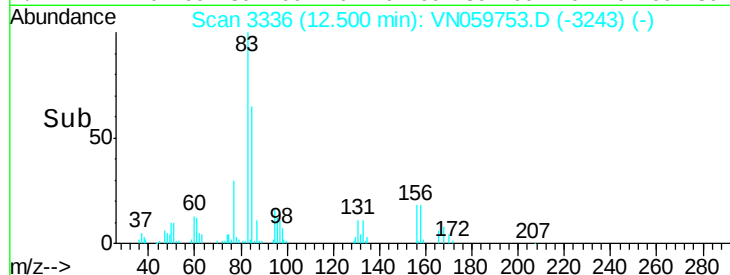
Abundance Ion 82.90 (82.60 to 83.60): VN059753.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059753.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059753.D (-3243) (-)

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 20.844 ug/l m

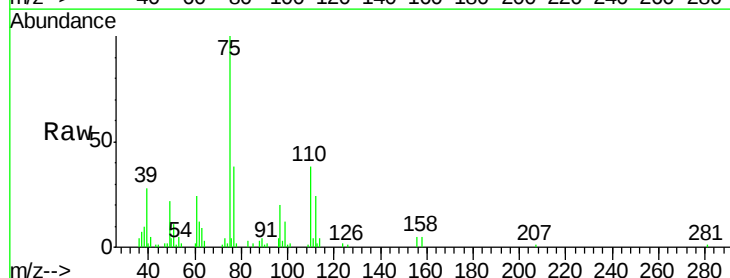
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion:	75	Resp:	43863
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

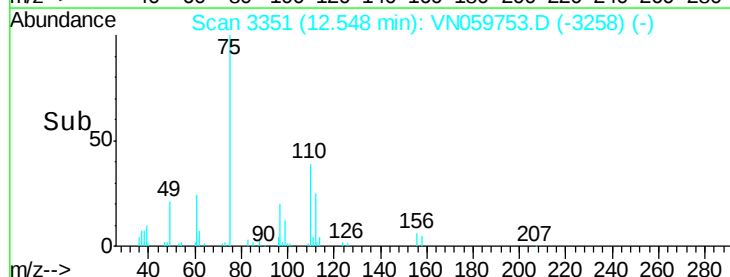


Abundance Ion 74.90 (74.60 to 75.60): VN059753.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059753.D (-3258) (-)

Time-->

12.55





#77

Bromobenzene

Concen: 18.941 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

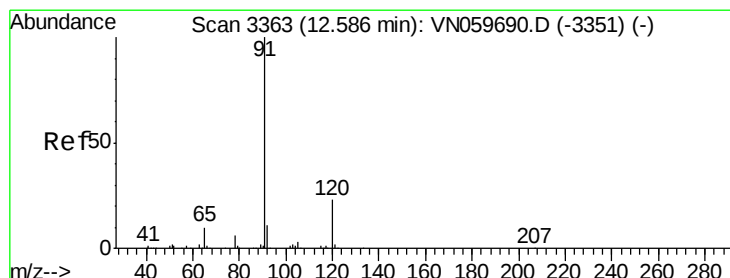
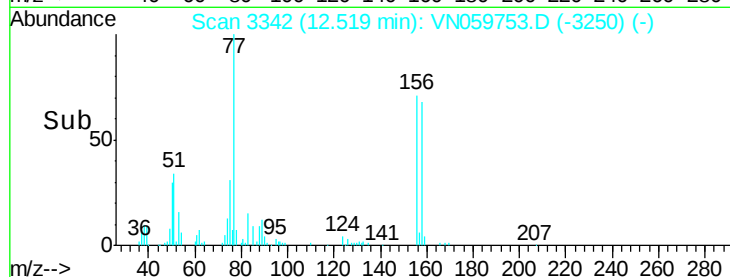
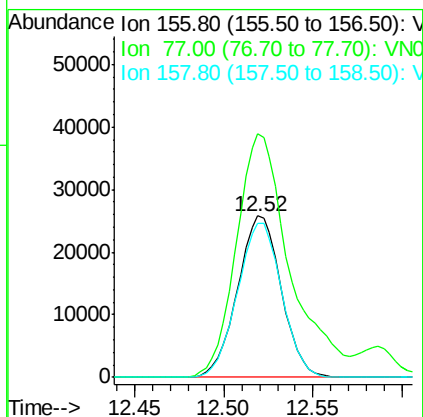
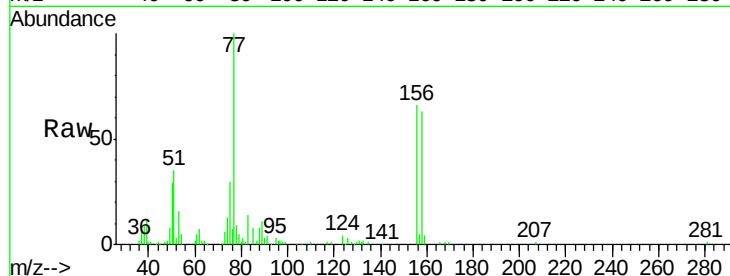
ClientSampleId :

VN0117WBSD01

Tot Ion:	156	Resp:	43987
Ion	Ratio	Lower	Upper
156	100		
77	185.4	115.8	347.4
158	96.8	49.2	147.6

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#78

n-propylbenzene

Concen: 18.154 ug/l

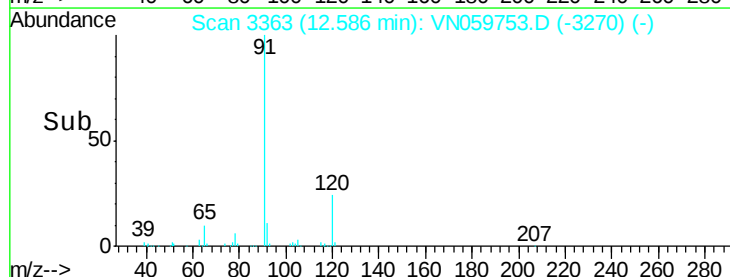
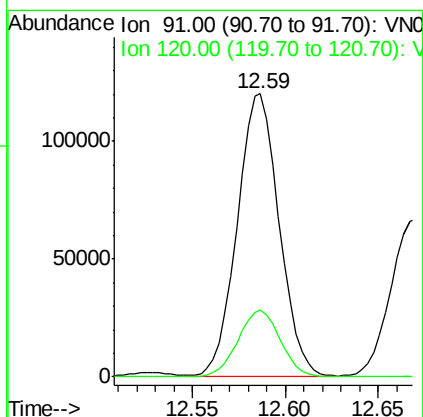
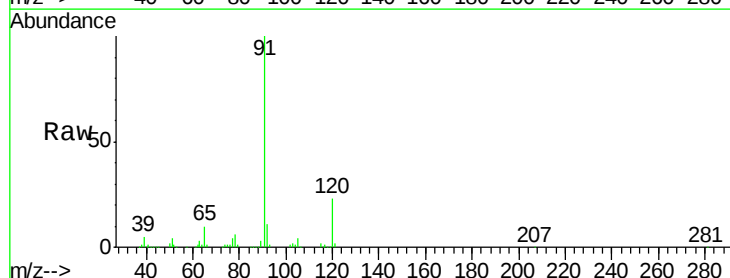
RT: 12.59 min Scan# 3363

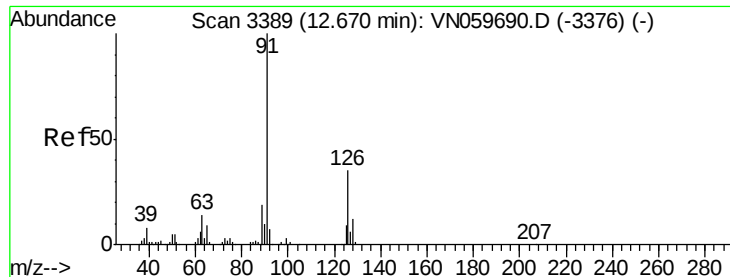
Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion:	91	Resp:	186856
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.1	33.3





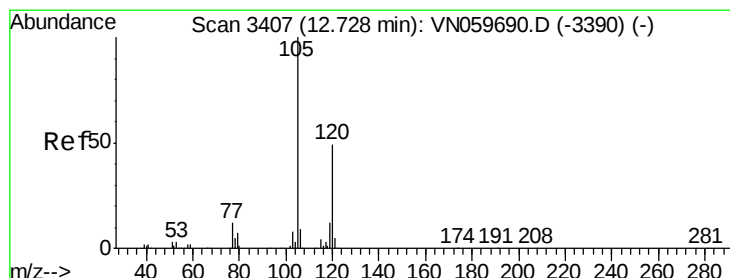
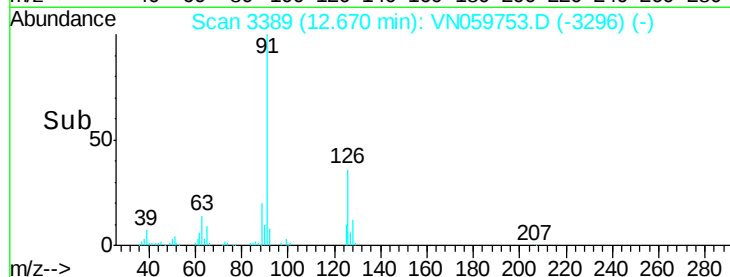
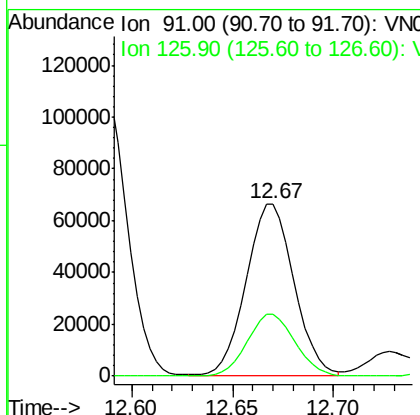
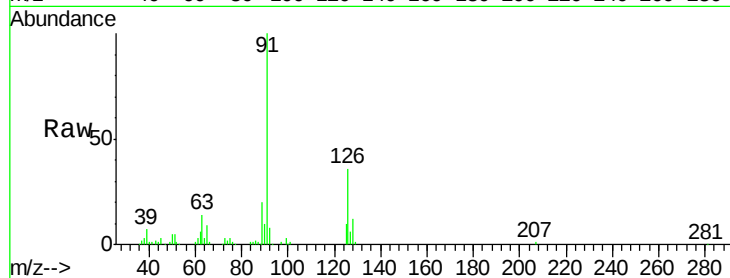
#79
 2-Chlorotoluene
 Concen: 17.942 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	91	Resp	109865
Ion Ratio	100	Lower	Upper
126	36.3	16.3	48.9

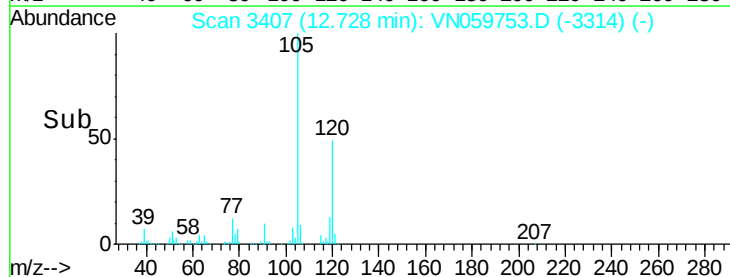
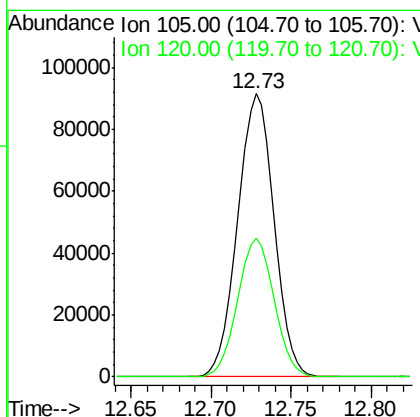
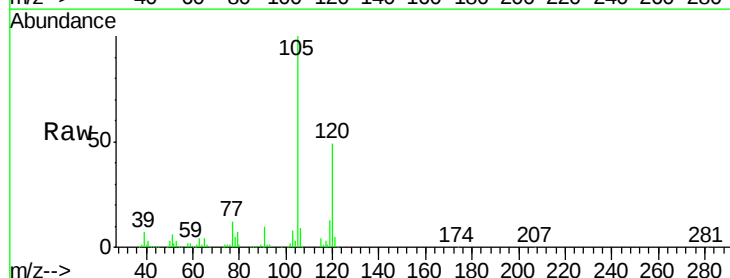
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.364 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	105	Resp	141633
Ion Ratio	100	Lower	Upper
120	49.1	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.690 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0117WBSD01

Tot Ion: 75 Resp: 17334

Ion Ratio Lower Upper

75 100

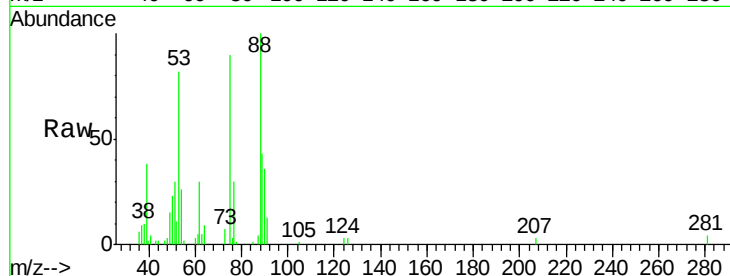
53 87.9 78.1 117.1

89 47.0 35.4 53.2

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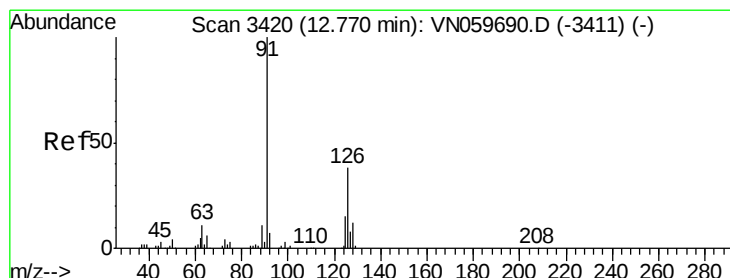
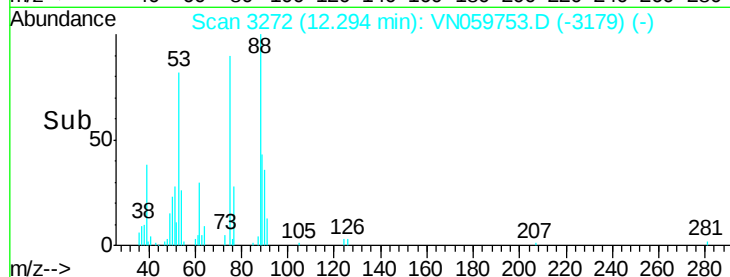
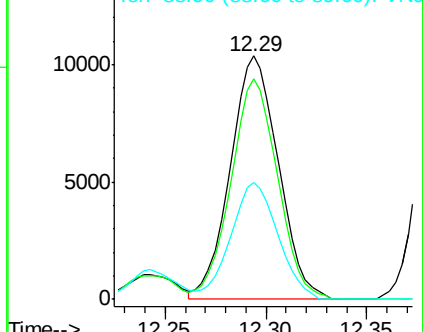
1/20/2020 11:12:11 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.464 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059753.D

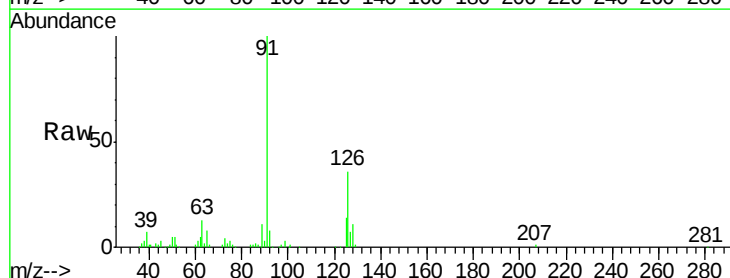
Acq: 17 Jan 2020 12:15

Tgt Ion: 91 Resp: 113398

Ion Ratio Lower Upper

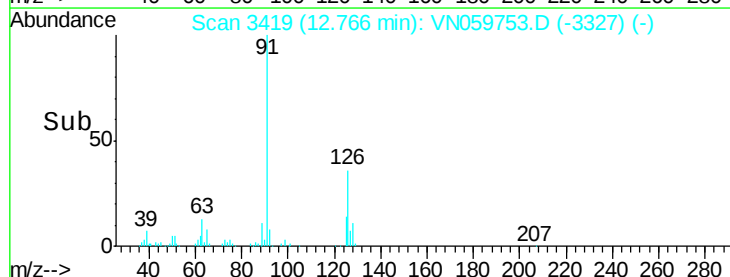
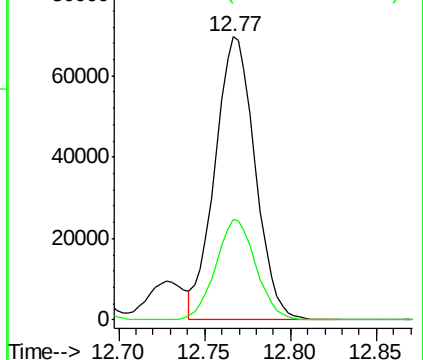
91 100

126 35.4 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.501 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

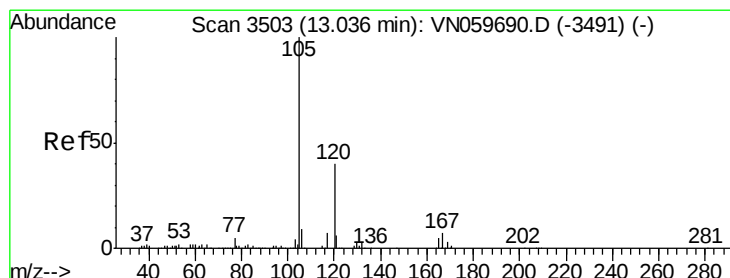
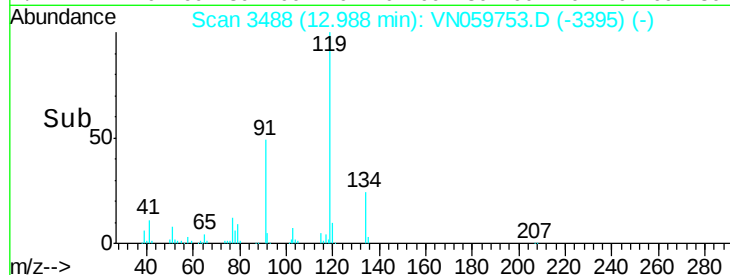
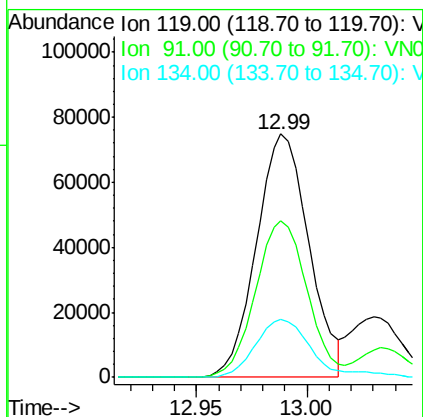
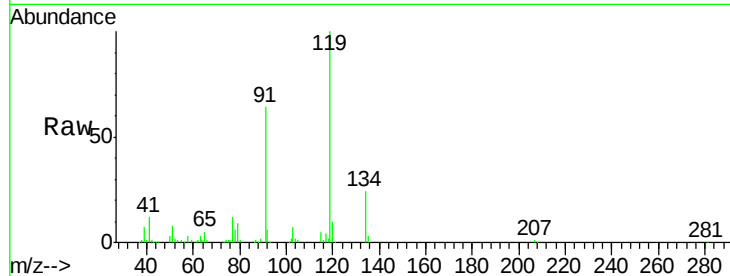
ClientSampleId :

VN0117WBSD01

Tot Ion:	119	Resp:	123408
Ion Ratio	Lower	Upper	
119	100		
91	63.5	34.8	104.4
134	25.6	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 18.485 ug/l

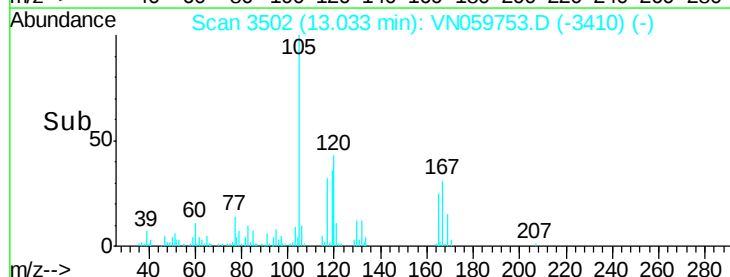
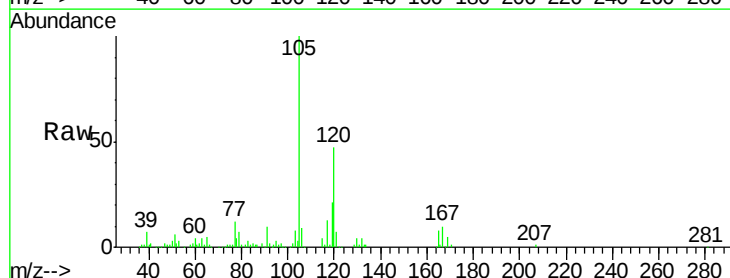
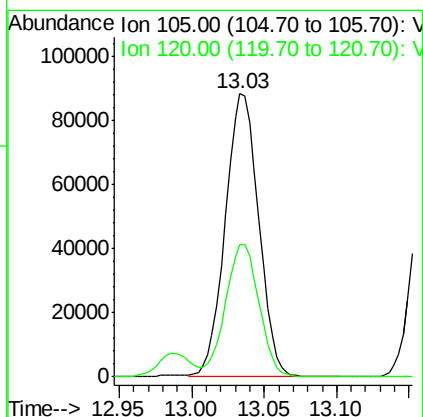
RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion:	105	Resp:	141042
Ion Ratio	Lower	Upper	
105	100		
120	46.9	22.3	66.9





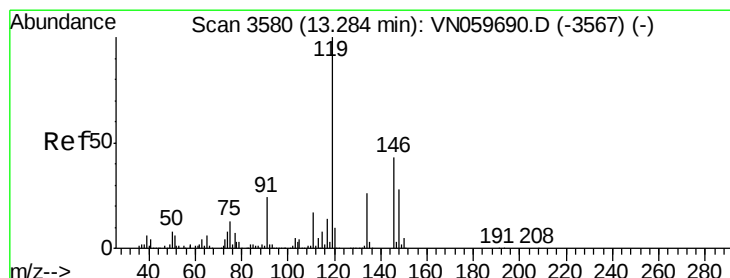
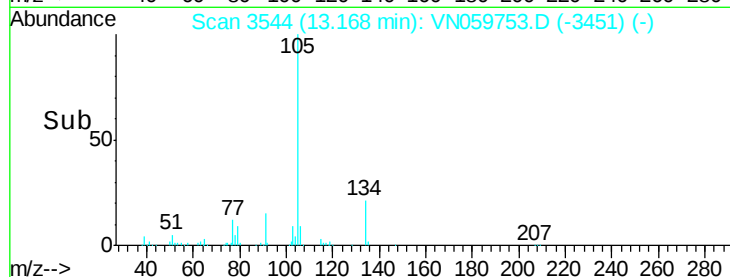
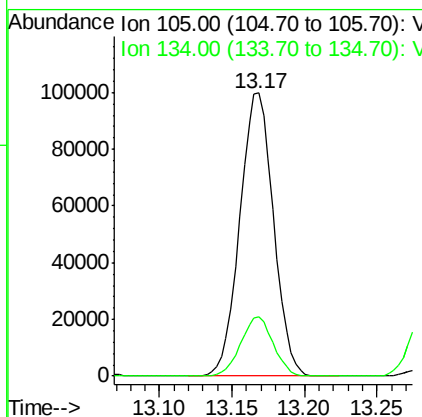
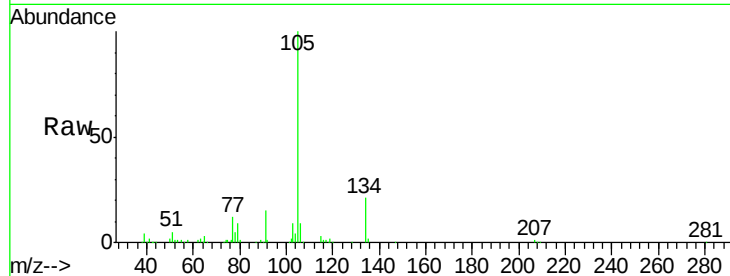
#85
 sec-Butylbenzene
 Concen: 18.376 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

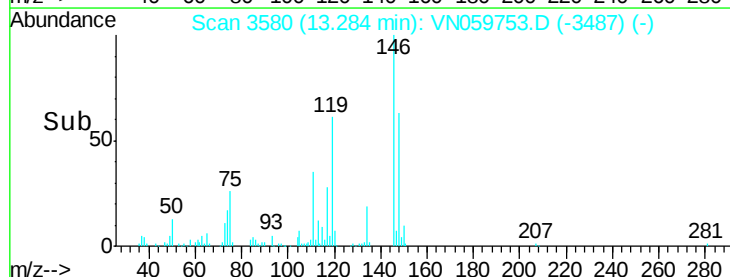
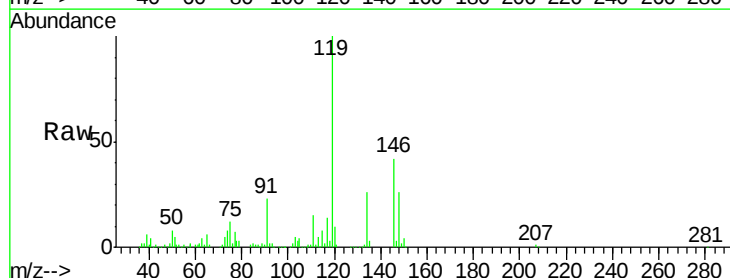
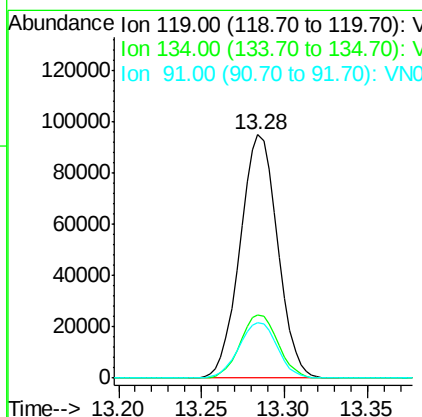
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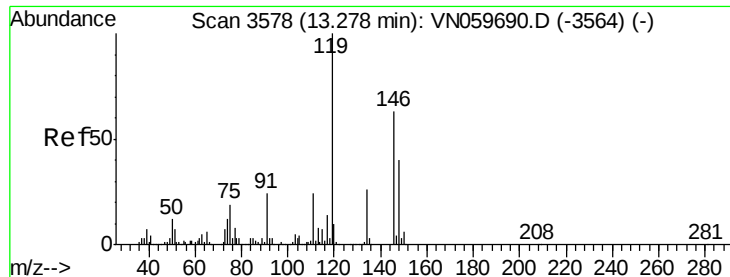
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#86
 p-Isopropyltoluene
 Concen: 18.467 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.7
91	23.2	12.4	37.4





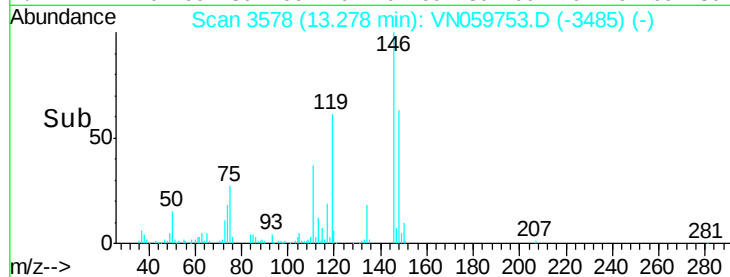
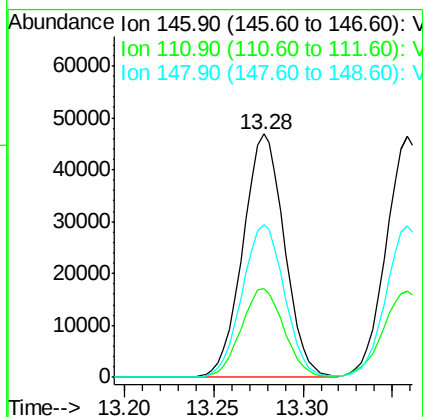
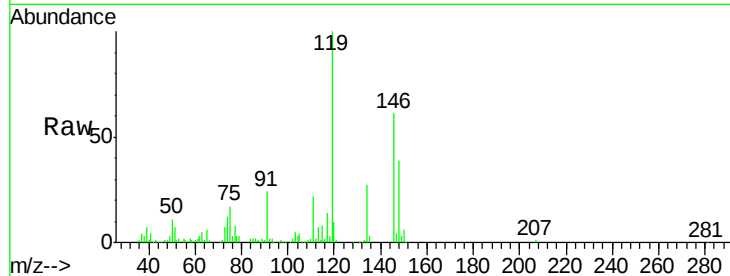
#87
 1,3-Dichlorobenzene
 Concen: 18.938 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.8	62.2
148	64.1	32.0	96.0

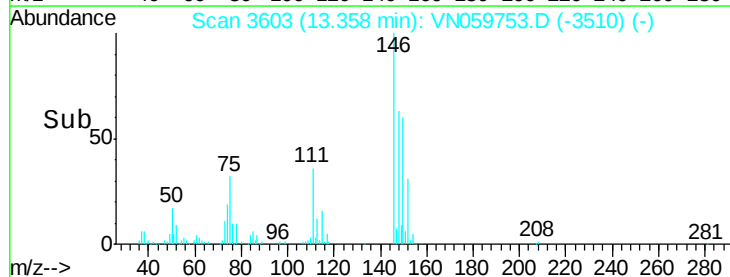
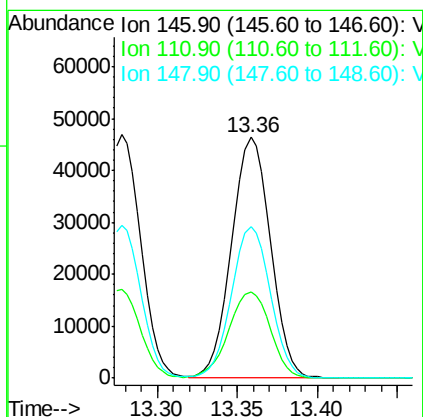
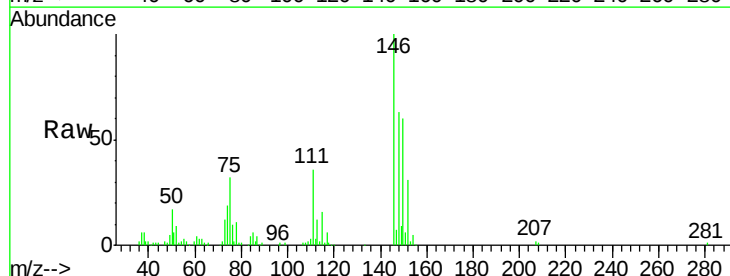
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#88
 1,4-Dichlorobenzene
 Concen: 19.159 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	63.0	31.8	95.4





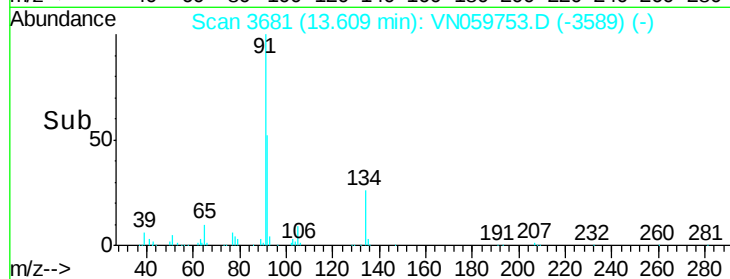
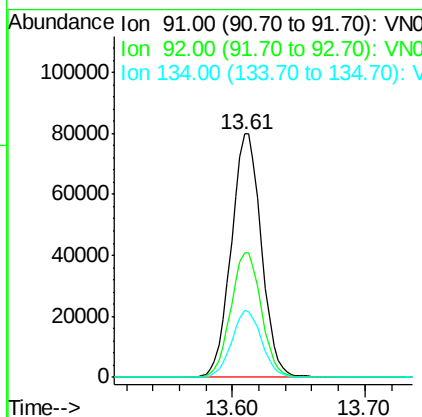
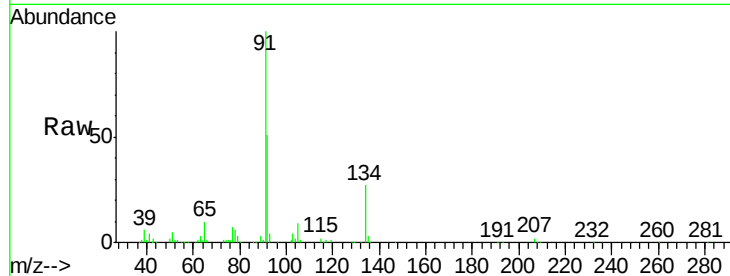
#89
n-Butylbenzene
Concen: 18.191 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.7
134	27.2	12.3	36.8

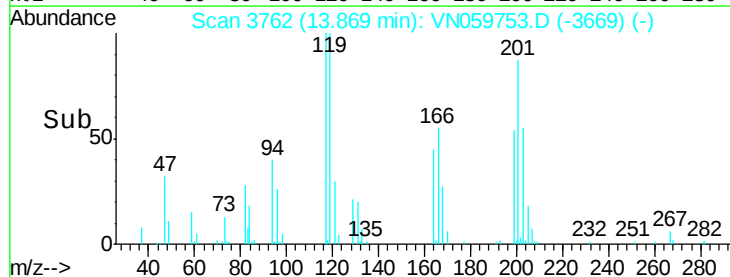
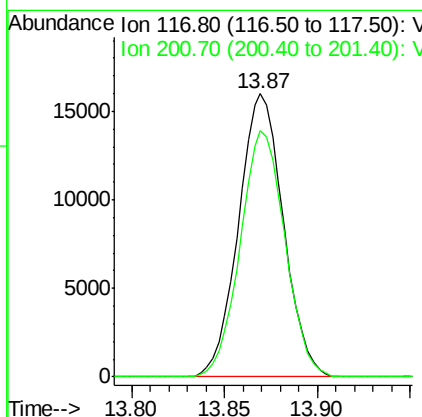
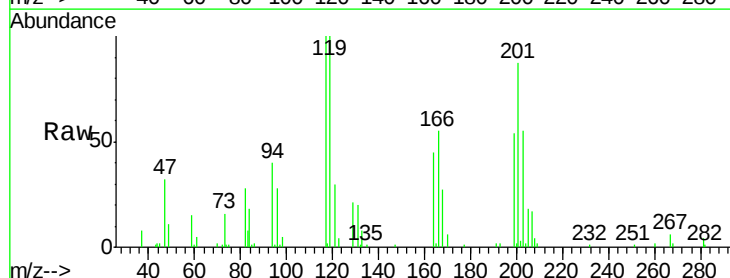
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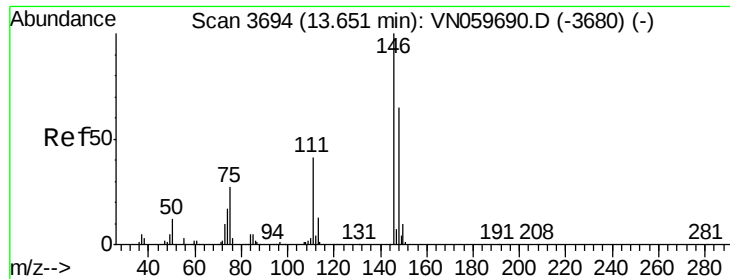
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#90
Hexachloroethane
Concen: 17.703 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	37.8	113.4





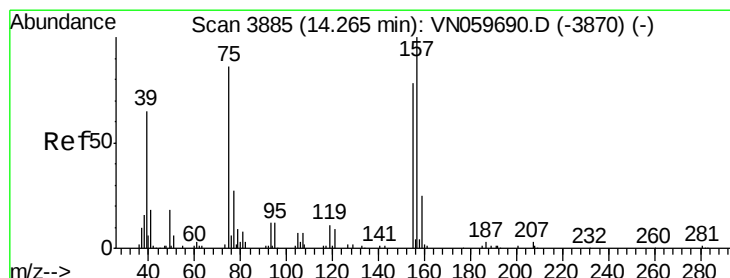
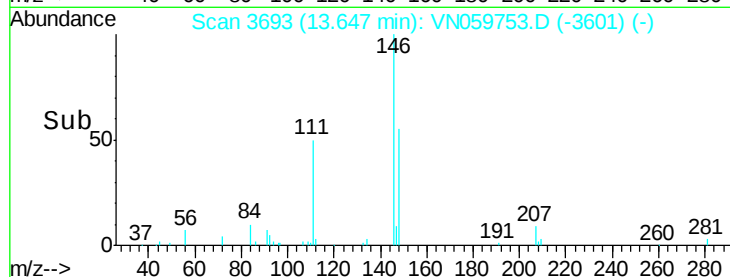
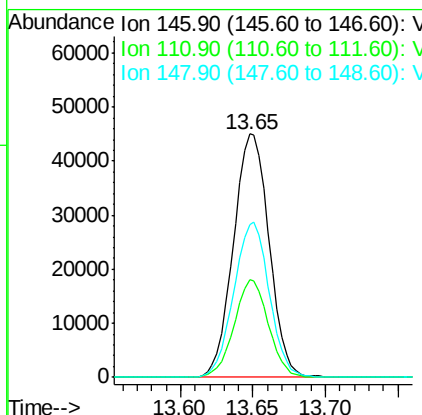
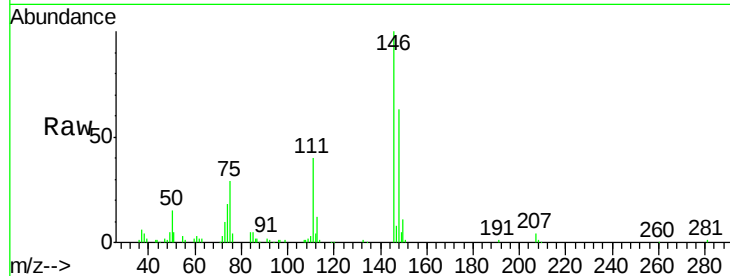
#91
 1,2-Dichlorobenzene
 Concen: 19.279 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.6	64.8
148	63.3	31.6	95.0

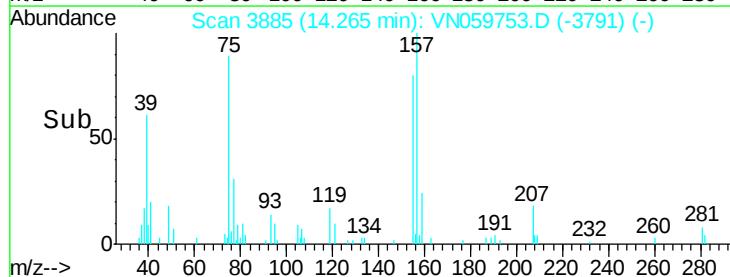
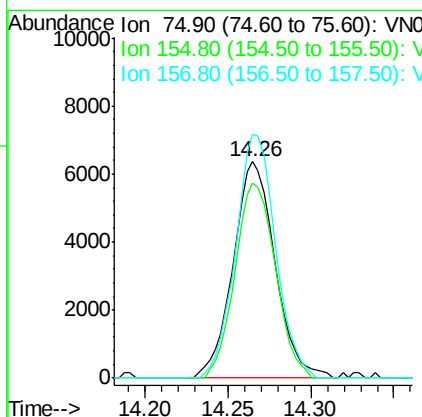
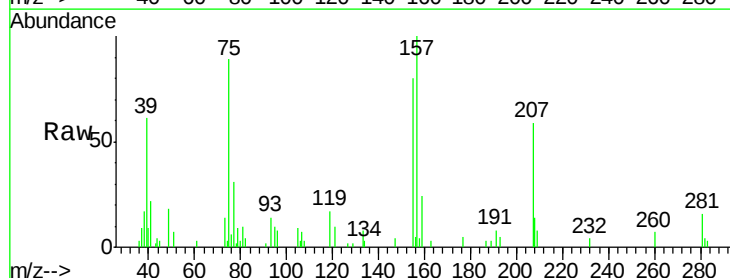
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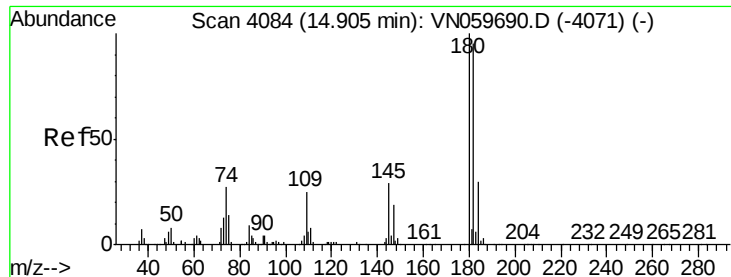
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.276 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059753.D
 Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	37.0	110.9
157	107.1	48.4	145.2





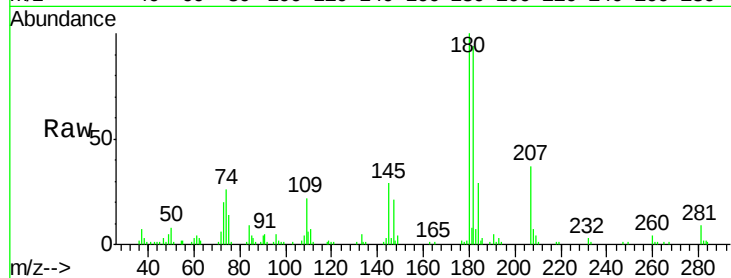
#93
1,2,4-Trichlorobenzene
Concen: 19.551 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0117WBSD01

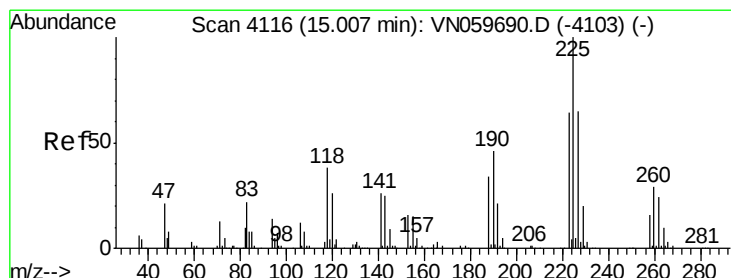
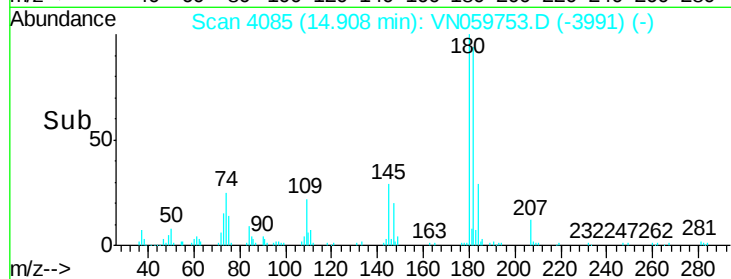
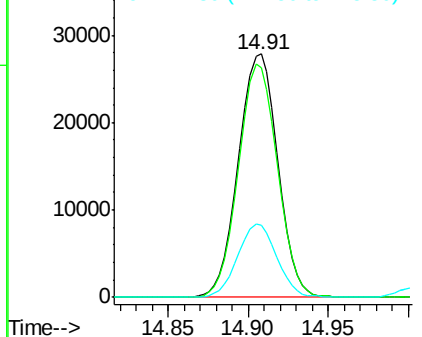
Tot Ion	Ratio	Resp	Lower	Upper
180	100	46850		
182	94.8	46.9	140.7	
145	29.7	15.0	45.1	

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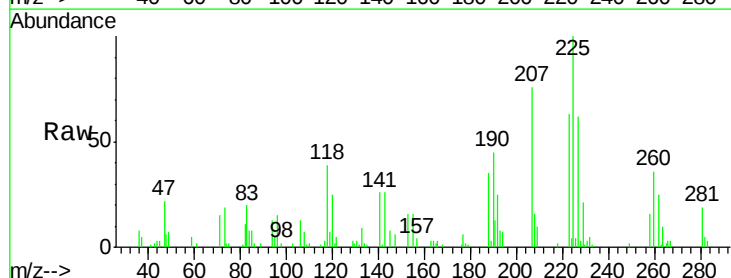


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

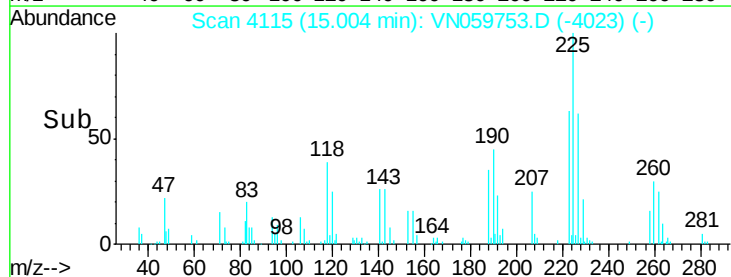
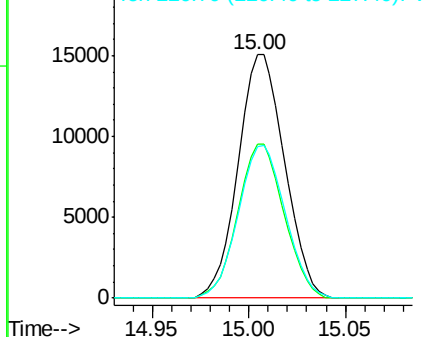


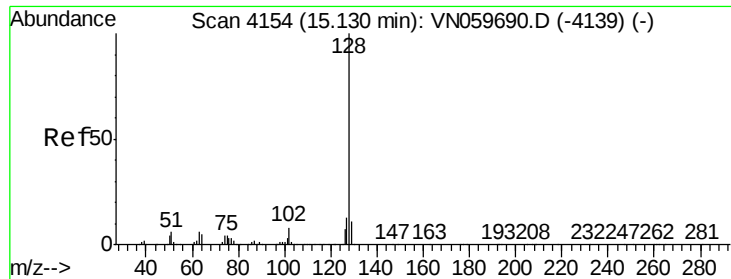
#94
Hexachlorobutadiene
Concen: 19.064 ug/l
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN059753.D
Acq: 17 Jan 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25174		
223	62.8	31.8	95.3	
227	63.3	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.019 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Instrument :

MSVOA_N

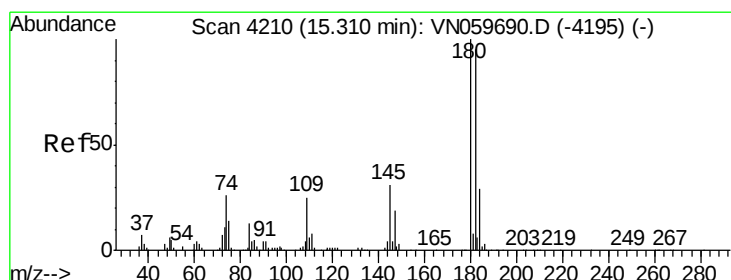
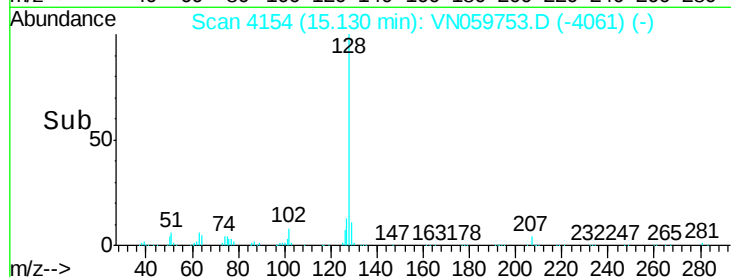
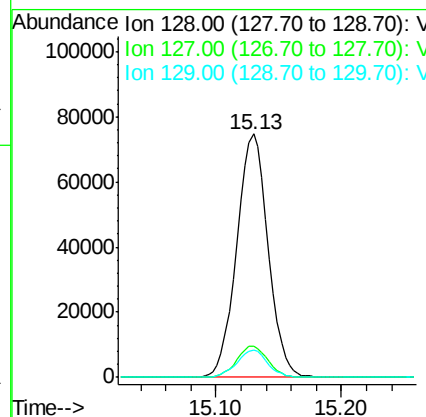
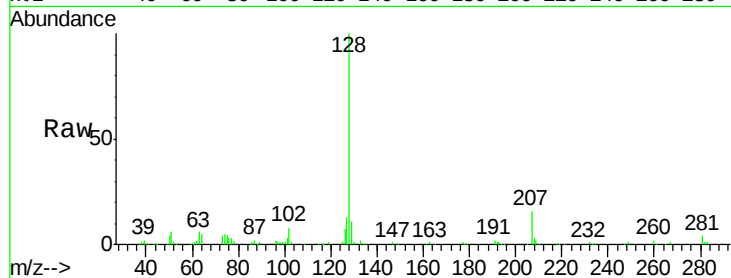
ClientSampleId :

VN0117WBSD01

Tot Ion:	128	Resp:	129633
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.018 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059753.D

Acq: 17 Jan 2020 12:15

Tgt Ion:	180	Resp:	46692
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.4	142.3
145	32.0	16.3	48.9

