

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059687.D
 Acq On : 13 Jan 2020 13:43
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jan 14 08:53:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123739	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	1108	0.36	ug/l	0.00
Spiked Amount			Recovery	=	0.72%	
35) Dibromofluoromethane	7.56	113	890	0.45	ug/l	0.00
Spiked Amount			Recovery	=	0.90%	
50) Toluene-d8	10.08	98	7637	0.98	ug/l	0.00
Spiked Amount			Recovery	=	1.96%	
62) 4-Bromofluorobenzene	12.40	95	2640	0.93	ug/l	0.00
Spiked Amount			Recovery	=	1.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1685	0.621	ug/l	98
3) Chloromethane	2.04	50	2463	0.572	ug/l	89
4) Vinyl Chloride	2.17	62	2392	0.586	ug/l	97
5) Bromomethane	2.55	94	1601	0.674	ug/l	92
6) Chloroethane	2.69	64	1207	0.526	ug/l	91
7) Trichlorofluoromethane	3.00	101	3036	0.677	ug/l	88
8) Diethyl Ether	3.39	74	1049	0.749	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1629	0.721	ug/l #	71
10) Methyl Iodide	3.93	142	2516	0.841	ug/l #	81
11) Tert butyl alcohol	4.73	59	1338	2.388	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	1922	0.872	ug/l	92
13) Acrolein	3.58	56	1921	4.812	ug/l #	68
14) Allyl chloride	4.30	41	2980	0.659	ug/l #	73
15) Acrylonitrile	4.96	53	3770	2.781	ug/l #	56
16) Acetone	3.79	43	7739	4.264	ug/l	99
17) Carbon Disulfide	4.03	76	5232	0.692	ug/l #	91
18) Methyl Acetate	4.31	43	2933	0.771	ug/l #	80
19) Methyl tert-butyl Ether	5.00	73	6100	0.784	ug/l	98
20) Methylene Chloride	4.52	84	3119	1.190	ug/l #	76
21) trans-1,2-Dichloroethene	5.02	96	1100	0.448	ug/l #	71
22) Diisopropyl ether	5.91	45	5590	0.670	ug/l #	79
23) Vinyl Acetate	5.86	43	22315	3.410	ug/l	98
24) 1,1-Dichloroethane	5.82	63	3553	0.752	ug/l #	85
25) 2-Butanone	6.81	43	7539	3.474	ug/l	95
26) 2,2-Dichloropropane	6.79	77	3657	0.852	ug/l	90
27) cis-1,2-Dichloroethene	6.80	96	2327	0.855	ug/l	78
28) Bromochloromethane	7.17	49	1500	0.926	ug/l #	64
29) Tetrahydrofuran	7.18	42	4144	3.134	ug/l	99
30) Chloroform	7.35	83	3560	0.766	ug/l	98
31) Cyclohexane	7.64	56	7433	1.665	ug/l #	48
32) 1,1,1-Trichloroethane	7.54	97	3218	0.768	ug/l #	46
36) 1,1-Dichloropropene	7.77	75	2807	0.855	ug/l	97
37) Ethyl Acetate	6.91	43	3100	0.812	ug/l #	70
38) Carbon Tetrachloride	7.75	117	2981	0.875	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	3453	0.927	ug/l	98
40) Benzene	8.02	78	8563	0.892	ug/l	92
41) Methacrylonitrile	7.18	41	3412	2.166	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	2774	0.755	ug/l #	78
43) Isopropyl Acetate	8.15	43	4842	0.816	ug/l #	89
44) Trichloroethene	8.82	130	2016	0.802	ug/l	97
45) 1,2-Dichloropropane	9.10	63	1942	0.749	ug/l #	87
46) Dibromomethane	9.19	93	1333	0.785	ug/l #	83
47) Bromodichloromethane	9.39	83	2887	0.853	ug/l #	95
48) Methyl methacrylate	9.19	41	2003	0.744	ug/l #	82
49) 1,4-Dioxane	9.19	88	657	17.025	ug/l #	63
51) 4-Methyl-2-Pentanone	9.97	43	12846	3.630	ug/l	99
52) Toluene	10.14	92	4992	0.846	ug/l	92
53) t-1,3-Dichloropropene	10.37	75	2923	0.746	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	3039	0.738	ug/l	87
55) 1,1,2-Trichloroethane	10.55	97	2103	0.909	ug/l #	85
56) Ethyl methacrylate	10.42	69	2831	0.824	ug/l #	70
57) 1,3-Dichloropropane	10.70	76	2960	0.735	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.68	63	3942	3.607	ug/l	98
59) 2-Hexanone	10.74	43	8570	3.073	ug/l	99
60) Dibromochloromethane	10.89	129	2135	0.845	ug/l	94
61) 1,2-Dibromoethane	10.99	107	2011	0.819	ug/l	99
64) Tetrachloroethene	10.62	164	2185	0.846	ug/l	96
65) Chlorobenzene	11.43	112	5238	0.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	2031	0.892	ug/l #	55
67) Ethyl Benzene	11.50	91	9911	0.916	ug/l	100
68) m/p-Xylenes	11.62	106	7104	1.779	ug/l	95
69) o-Xylene	11.94	106	3712	0.977	ug/l	93
70) Styrene	11.96	104	5519	0.904	ug/l	97
71) Bromoform	12.12	173	1419	0.829	ug/l #	98
73) Isopropylbenzene	12.24	105	9402	0.968	ug/l	99
74) N-amyl acetate	12.07	43	3492	0.784	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	2647	0.859	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	3229	1.054	ug/l #	100
77) Bromobenzene	12.52	156	2347	0.983	ug/l	87
78) n-propylbenzene	12.59	91	10228	0.891	ug/l	97
79) 2-Chlorotoluene	12.67	91	6328	0.911	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7871	0.958	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	818	0.660	ug/l	85
82) 4-Chlorotoluene	12.77	91	5933	0.835	ug/l	93
83) tert-Butylbenzene	12.99	119	6901	0.991	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	7544	0.923	ug/l	95
85) sec-Butylbenzene	13.17	105	8816	0.952	ug/l	100
86) p-Isopropyltoluene	13.29	119	8261	0.985	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	3990	0.908	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	3990	0.901	ug/l	99
89) n-Butylbenzene	13.61	91	6547	0.833	ug/l	97
90) Hexachloroethane	13.87	117	1509	0.952	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	3979	0.919	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1088	1.199	ug/l #	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1914	0.684	ug/l	95
94) Hexachlorobutadiene	15.01	225	1303	0.870	ug/l	90
95) Naphthalene	15.13	128	5419	0.649	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	1994	0.705	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

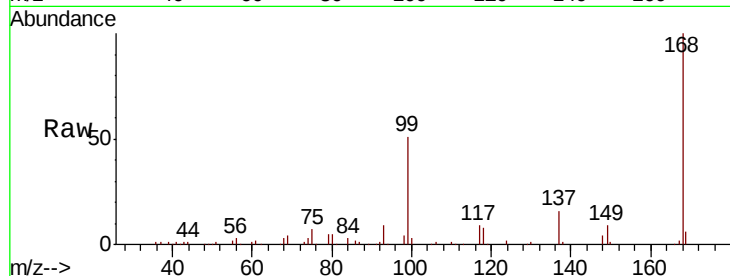
VSTDIC001

Tot Ion:168 Resp: 210062

Ion Ratio Lower Upper

168 100

99 51.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

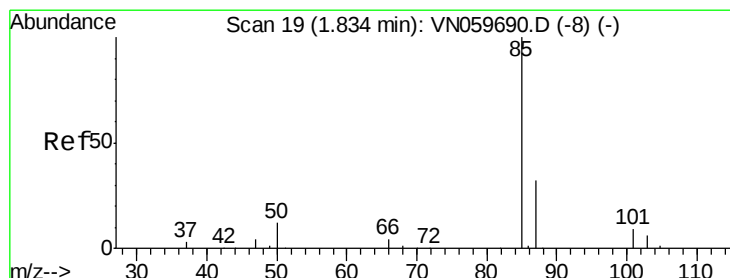
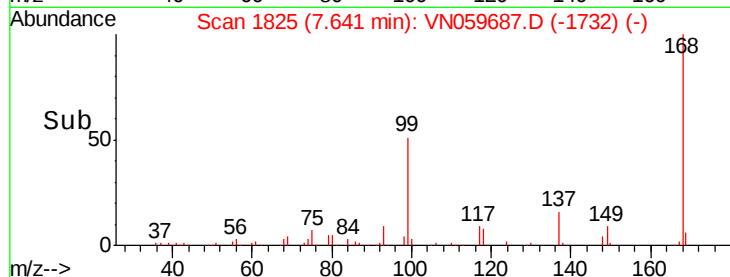
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.621 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059687.D

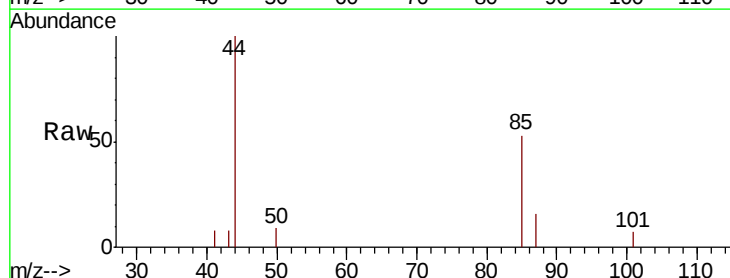
Acq: 13 Jan 2020 13:43

Tgt Ion: 85 Resp: 1685

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1500

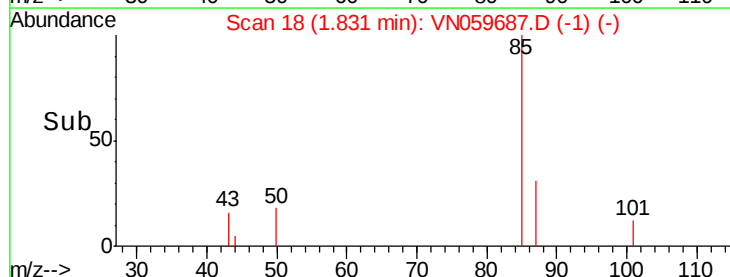
1000

500

0

1.80 1.82 1.84 1.86

Time-->





#3

Chloromethane

Concen: 0.572 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

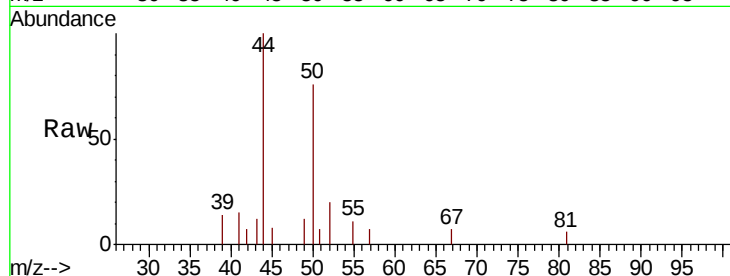
VSTDIC001

Tot Ion: 50 Resp: 2463

Ion Ratio Lower Upper

50 100

52 26.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN059690.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059690.D (-71) (-)

2.04

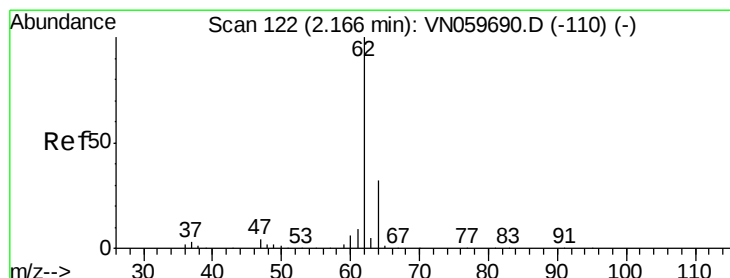
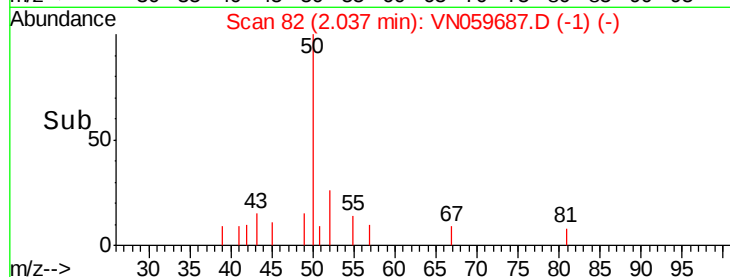
1500

1000

500

0

Time-->



#4

Vinyl Chloride

Concen: 0.586 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059687.D

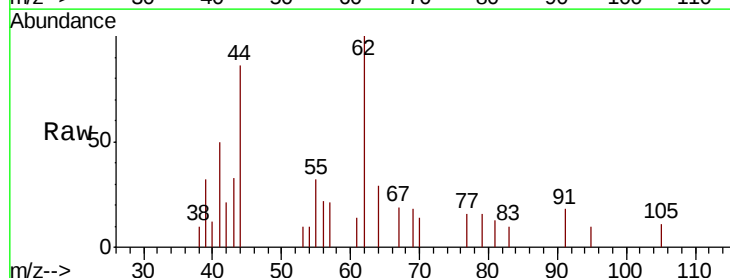
Acq: 13 Jan 2020 13:43

Tgt Ion: 62 Resp: 2392

Ion Ratio Lower Upper

62 100

64 29.1 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059690.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN059690.D (-110) (-)

2.17

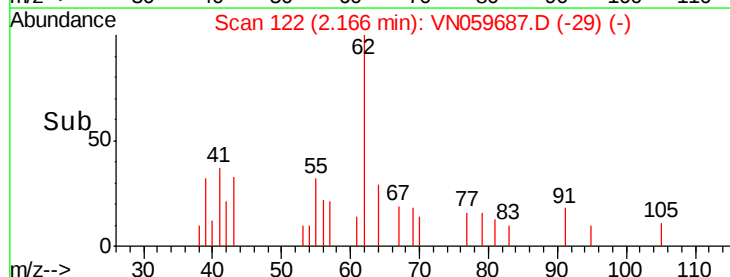
1500

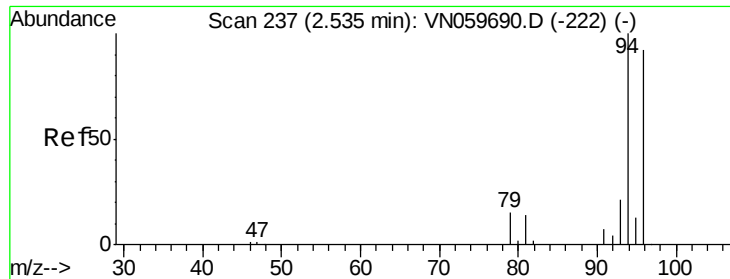
1000

500

0

Time-->

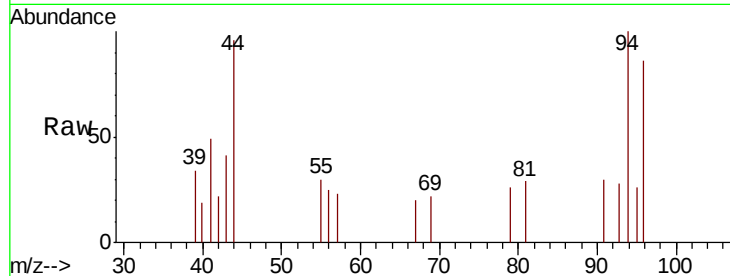




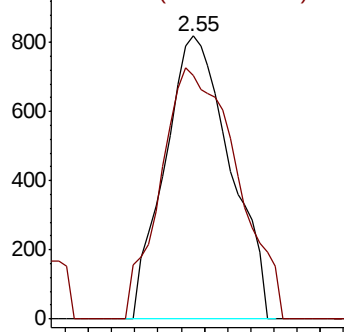
#5
Bromomethane
Concen: 0.674 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059687.D
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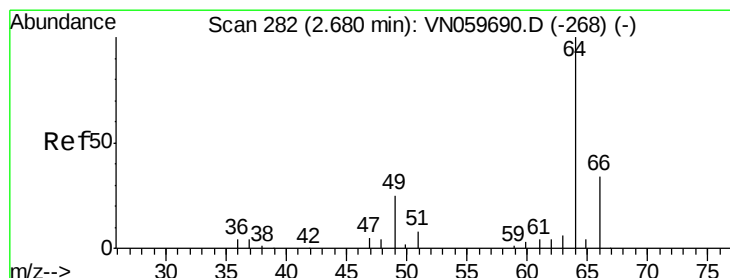
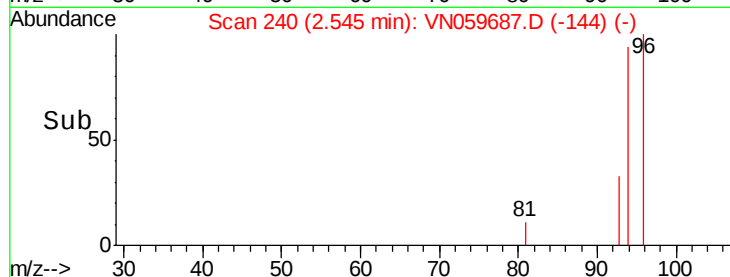
Tot Ion: 94 Resp: 1601
Ion Ratio Lower Upper
94 100
96 86.1 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

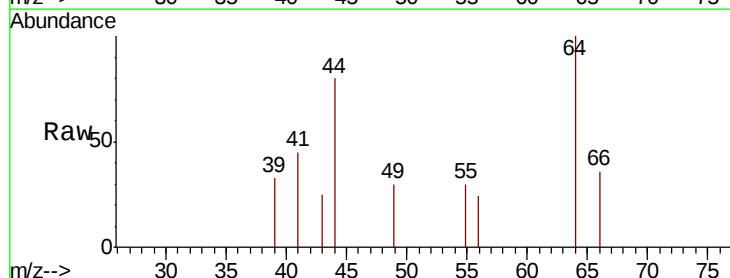


Time-->

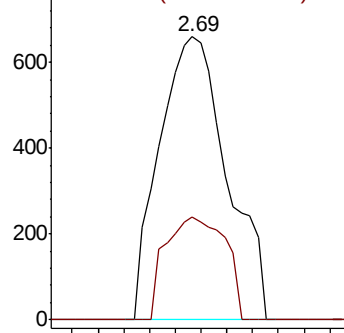


#6
Chloroethane
Concen: 0.526 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

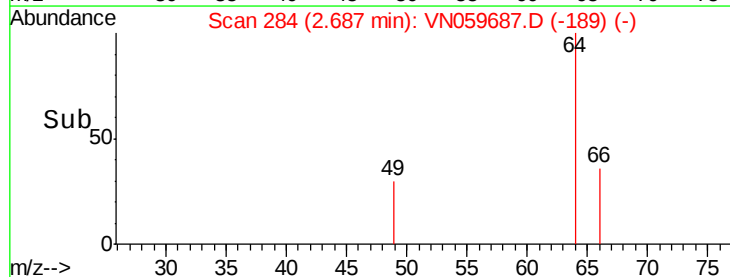
Tgt Ion: 64 Resp: 1207
Ion Ratio Lower Upper
64 100
66 36.4 25.1 37.7

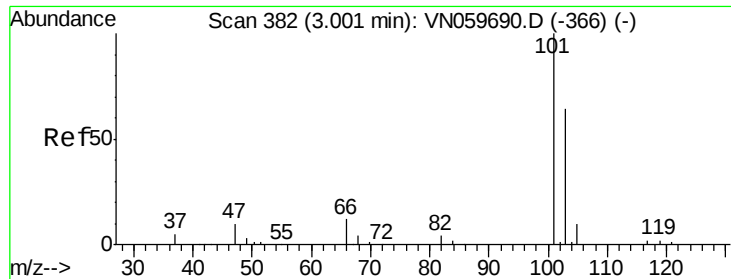


Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



Time-->



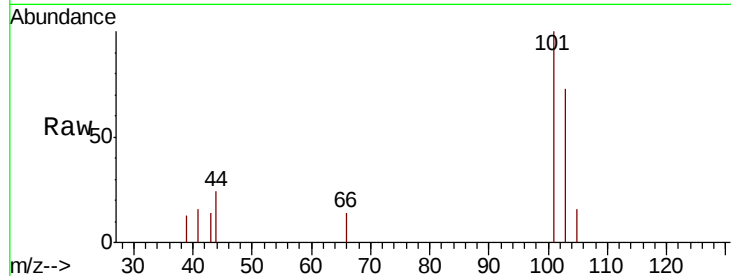


#7

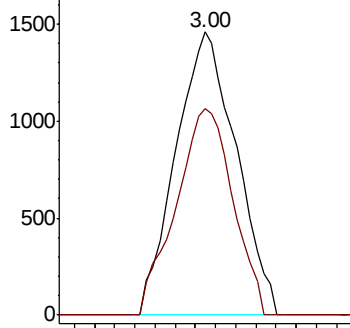
Trichlorofluoromethane
Concen: 0.677 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

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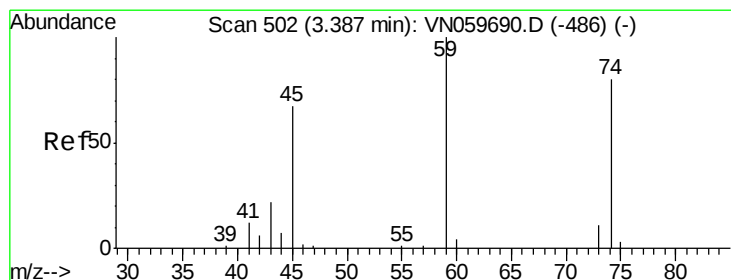
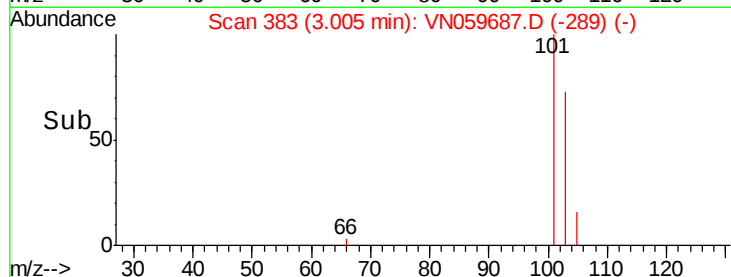
Tot Ion:101 Resp: 3036
Ion Ratio Lower Upper
101 100
103 72.9 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



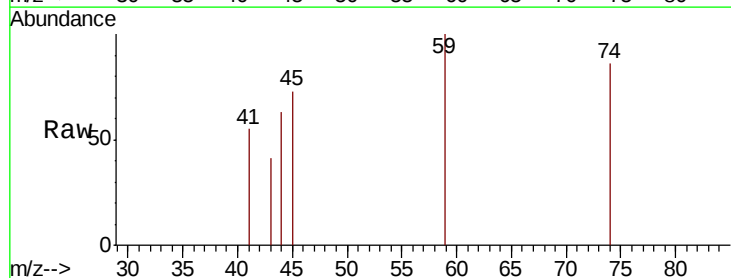
Time-->



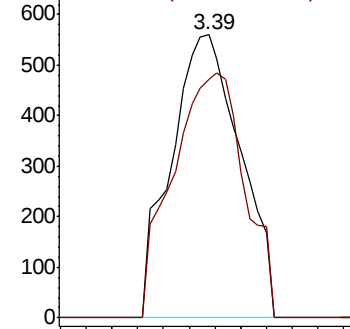
#8

Diethyl Ether
Concen: 0.749 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

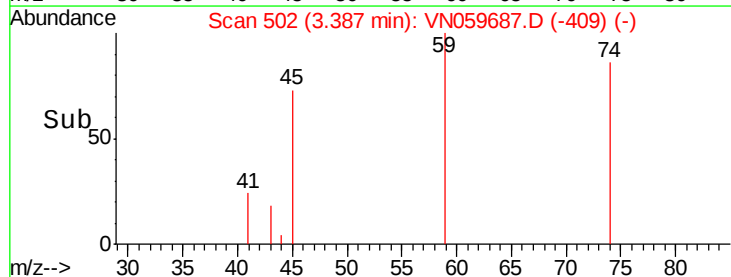
Tgt Ion: 74 Resp: 1049
Ion Ratio Lower Upper
74 100
45 89.3 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.721 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

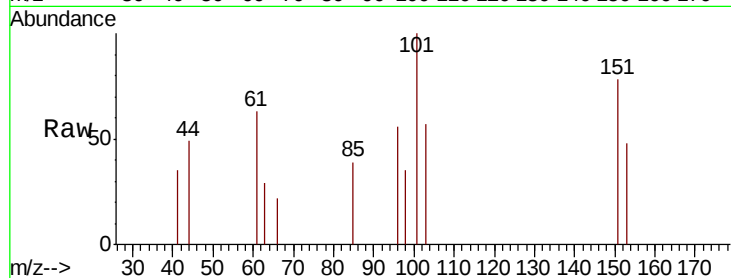
Tot Ion:101 Resp: 1629

Ion Ratio Lower Upper

101 100

85 14.1 36.6 54.8#

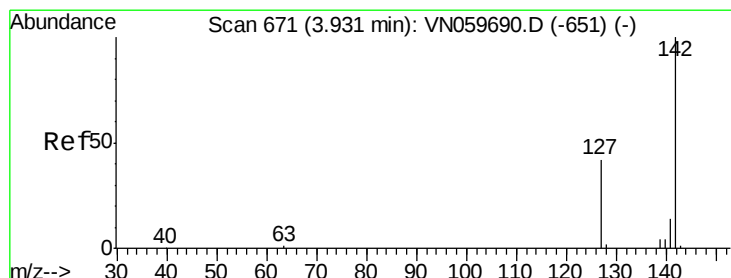
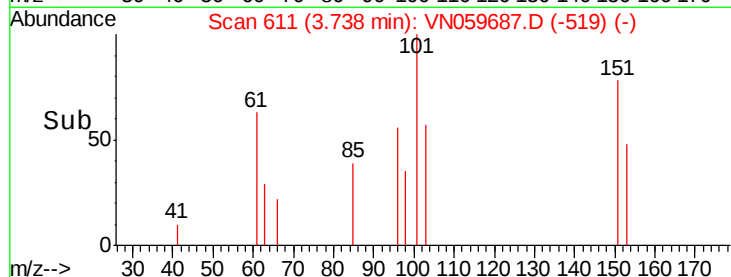
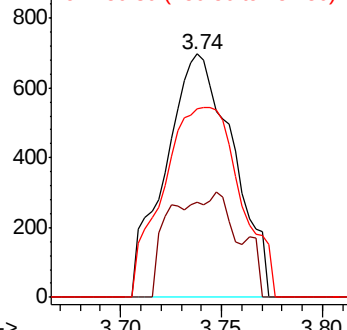
151 88.9 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.841 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

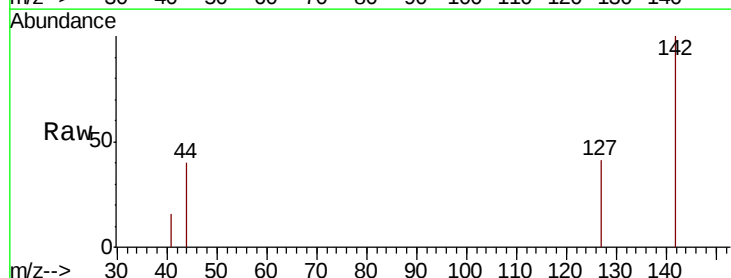
Tgt Ion:142 Resp: 2516

Ion Ratio Lower Upper

142 100

127 36.6 36.7 55.1#

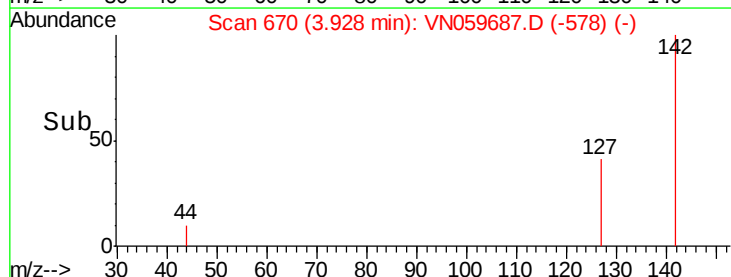
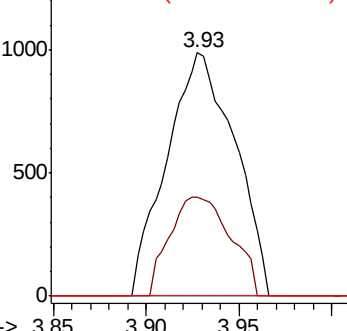
141 0.0 11.7 17.5#

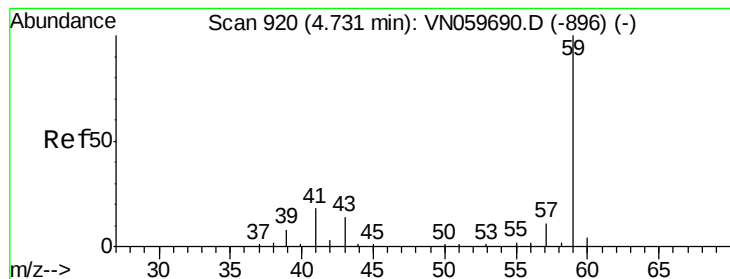


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



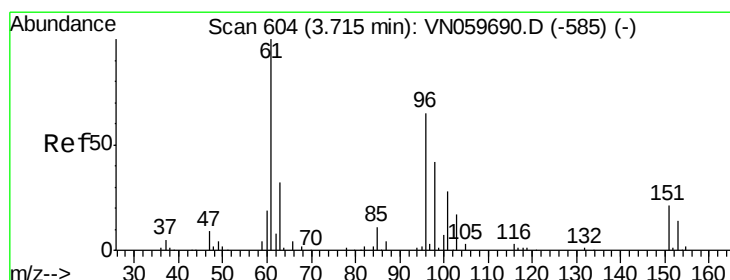
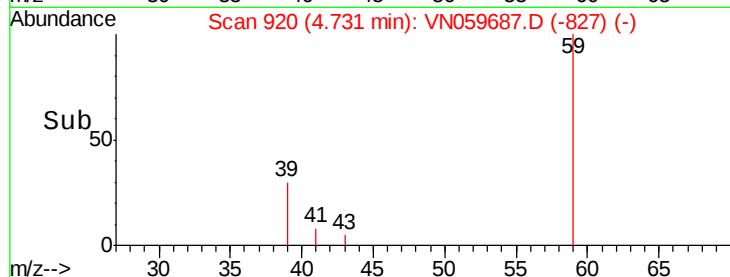
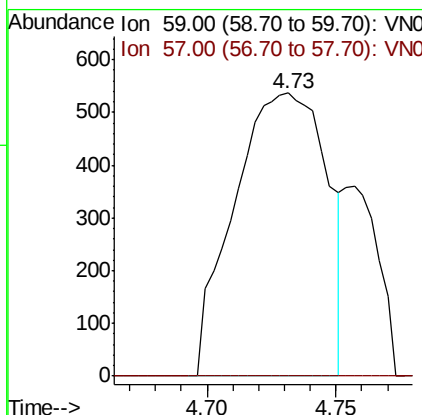
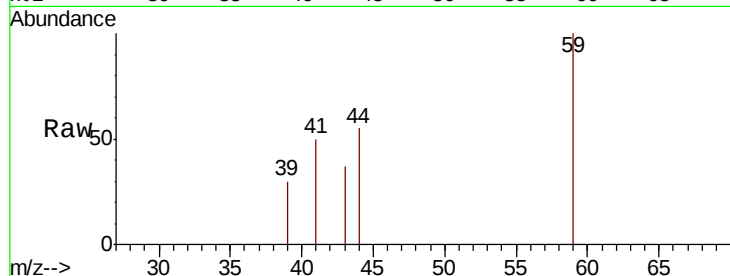


#11

Tert butyl alcohol
 Concen: 2.388 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

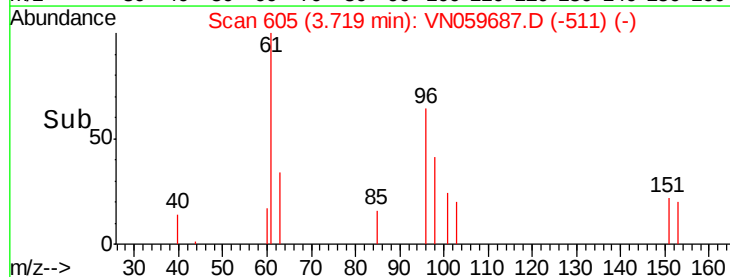
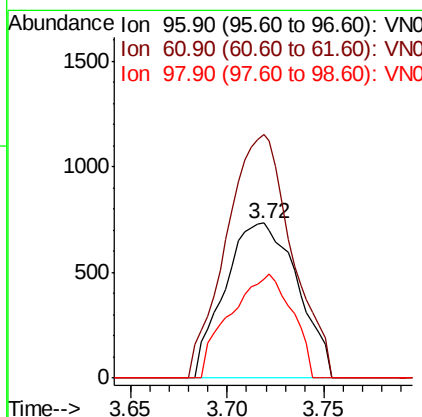
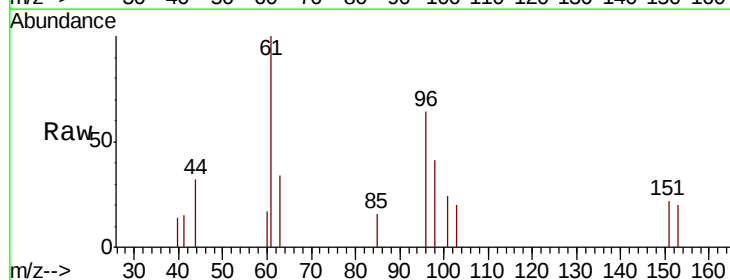
Tot Ion: 59 Resp: 1338
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#



#12

1,1-Dichloroethene
 Concen: 0.872 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Tgt Ion: 96 Resp: 1922
 Ion Ratio Lower Upper
 96 100
 61 157.1 137.5 206.3
 98 63.8 50.2 75.4





#13

Acrolein

Concen: 4.812 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

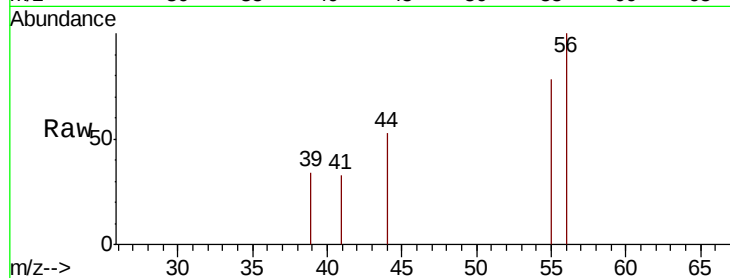
VSTDIC001

Tot Ion: 56 Resp: 1921

Ion Ratio Lower Upper

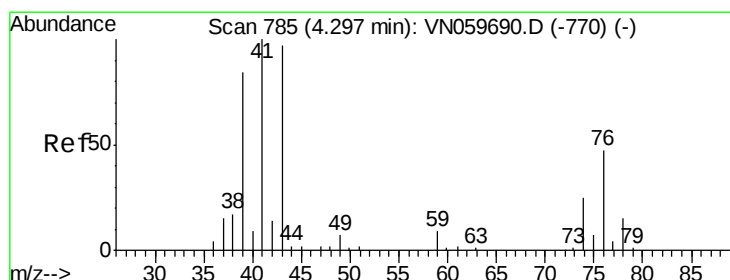
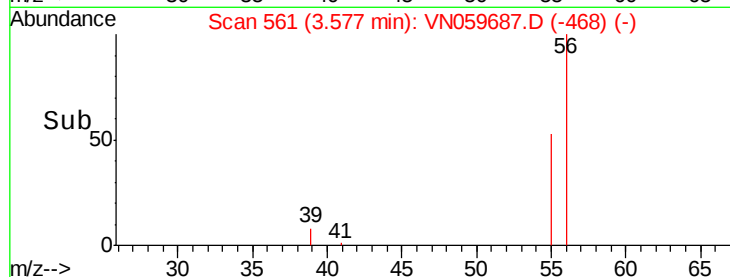
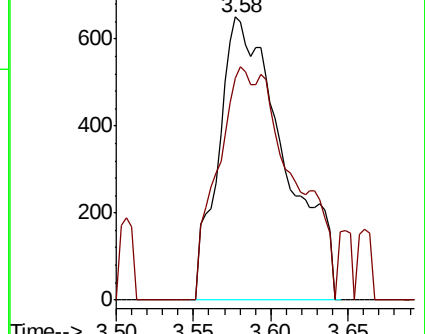
56 100

55 46.7 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.659 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

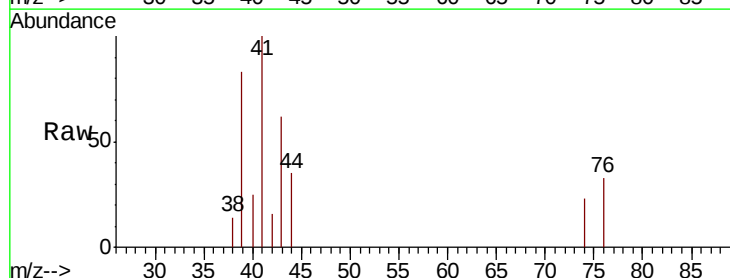
Tgt Ion: 41 Resp: 2980

Ion Ratio Lower Upper

41 100

39 104.2 57.8 86.8#

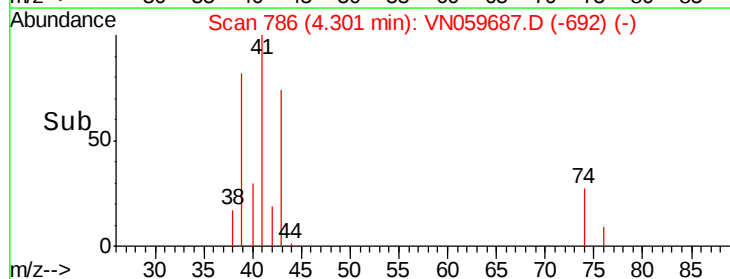
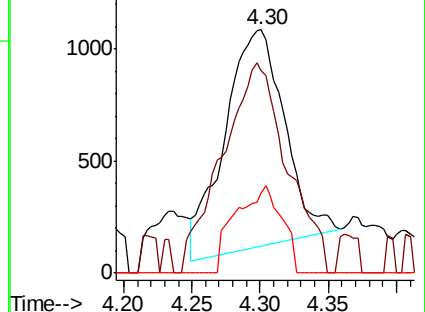
76 30.5 25.4 38.0

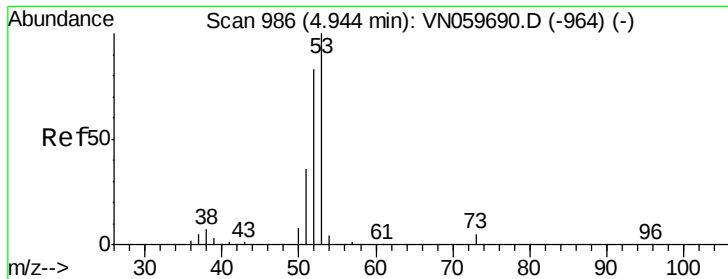


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 2.781 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.02 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

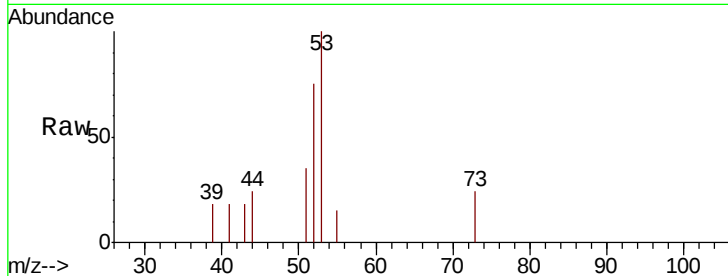
Tot Ion: 53 Resp: 3770

Ion Ratio Lower Upper

53 100

52 36.3 66.3 99.5#

51 22.1 29.7 44.5#

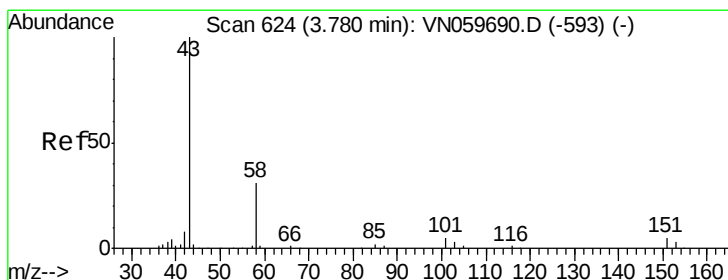
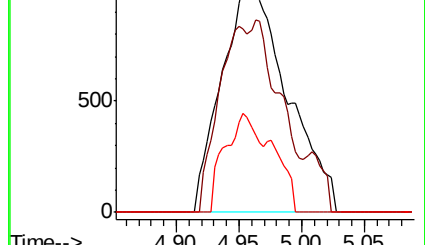
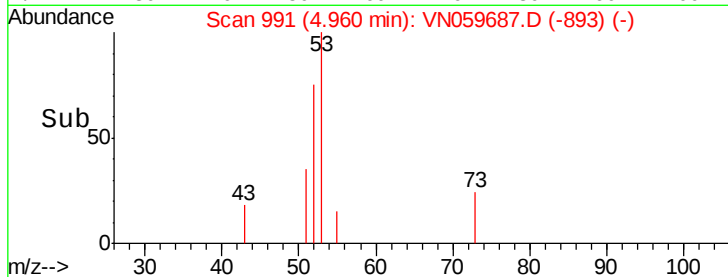


Abundance Ion 53.00 (52.70 to 53.70): VN059687.D (-991) (-)

Ion 52.00 (51.70 to 52.70): VN059687.D (-991) (-)

Ion 51.00 (50.70 to 51.70): VN059687.D (-991) (-)

Time-->



#16

Acetone

Concen: 4.264 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059687.D

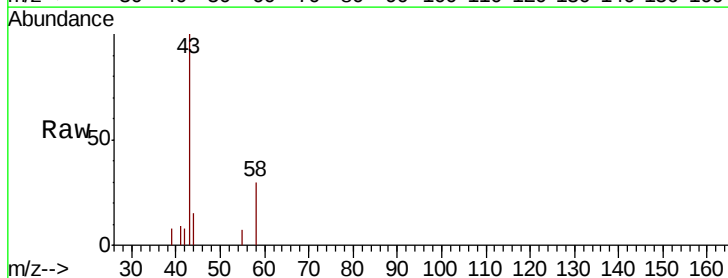
Acq: 13 Jan 2020 13:43

Tgt Ion: 43 Resp: 7739

Ion Ratio Lower Upper

43 100

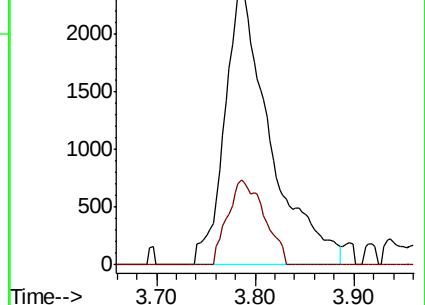
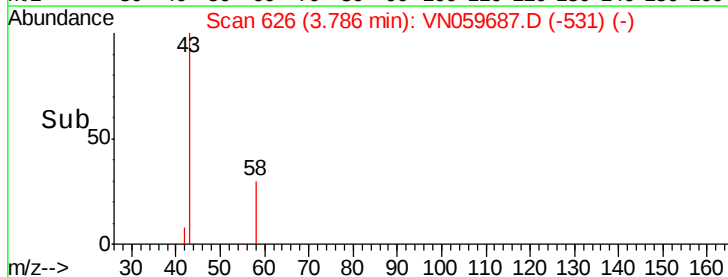
58 29.9 23.6 35.4

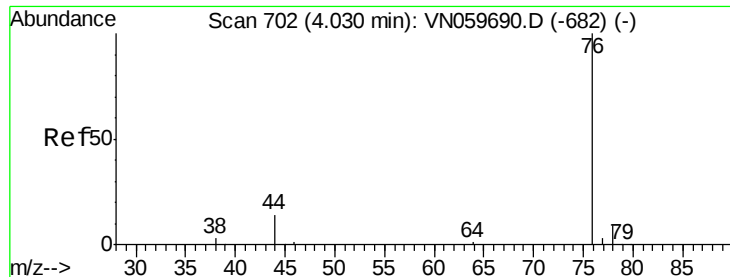


Abundance Ion 43.00 (42.70 to 43.70): VN059687.D (-626) (-)

Ion 58.00 (57.70 to 58.70): VN059687.D (-626) (-)

Time-->

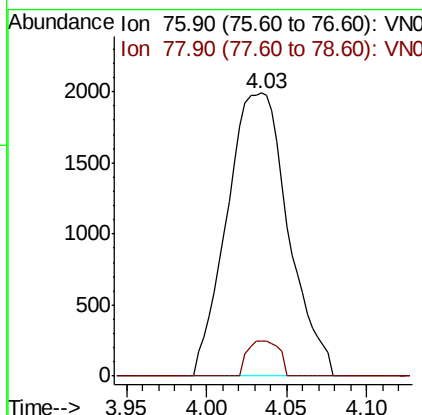
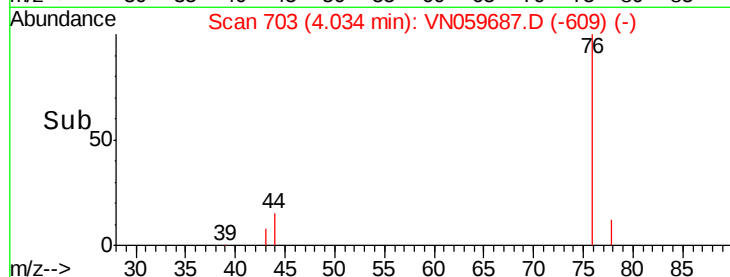
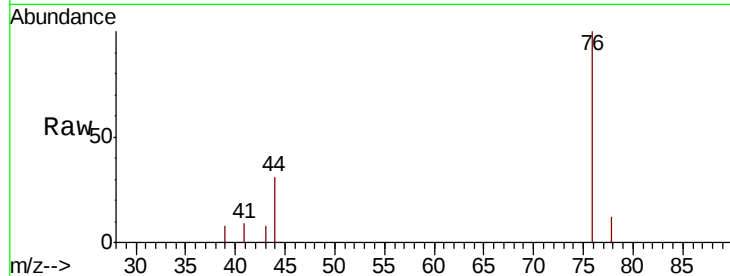




#17
Carbon Disulfide
Concen: 0.692 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

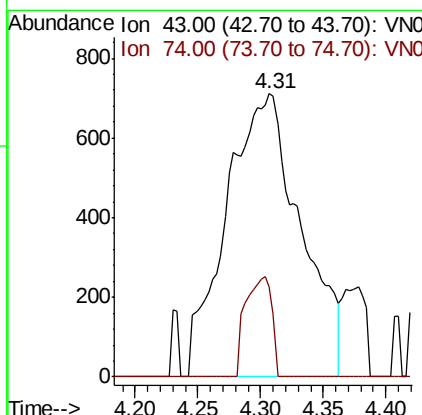
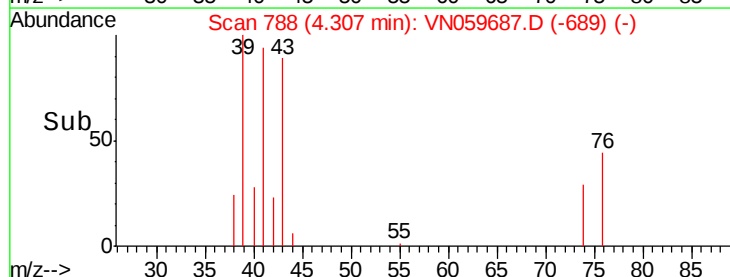
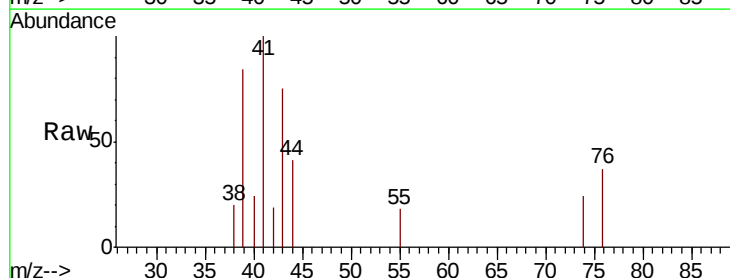
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 5232
Ion Ratio Lower Upper
76 100
78 12.4 7.4 11.0#



#18
Methyl Acetate
Concen: 0.771 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
74 12.4 17.5 26.3#





#19

Methyl tert-butyl Ether

Concen: 0.784 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

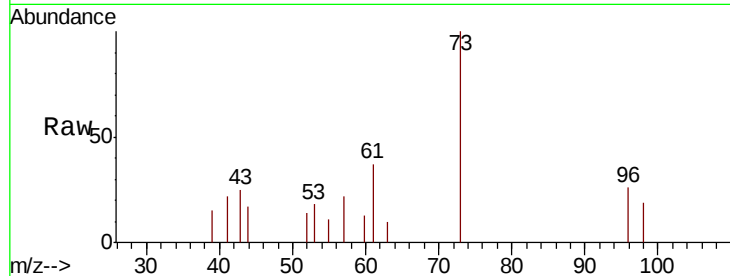
VSTDIC001

Tot Ion: 73 Resp: 6100

Ion Ratio Lower Upper

73 100

57 22.0 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.00

2000

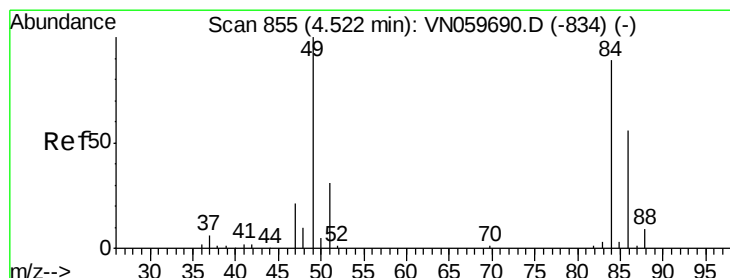
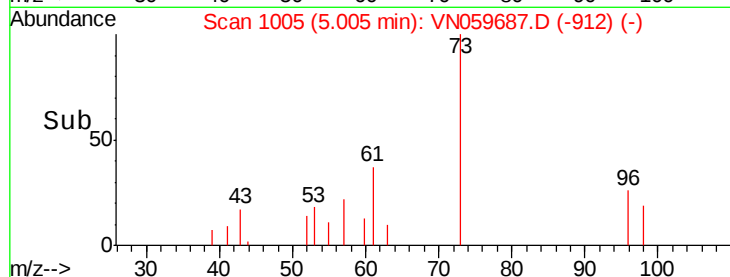
1500

1000

500

0

Time--> 4.90 4.95 5.00 5.05 5.10



#20

Methylene Chloride

Concen: 1.190 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Tgt Ion: 84 Resp: 3119

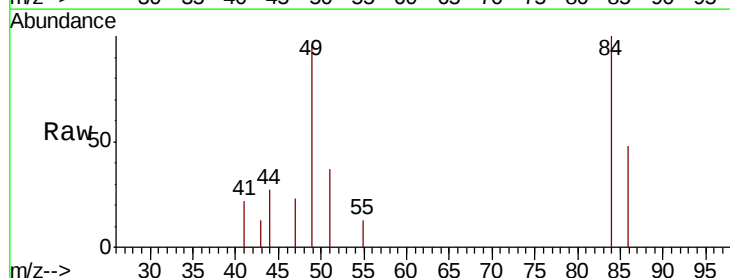
Ion Ratio Lower Upper

84 100

49 95.7 106.6 160.0#

51 36.7 31.9 47.9

86 47.8 50.8 76.2#



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

4.52

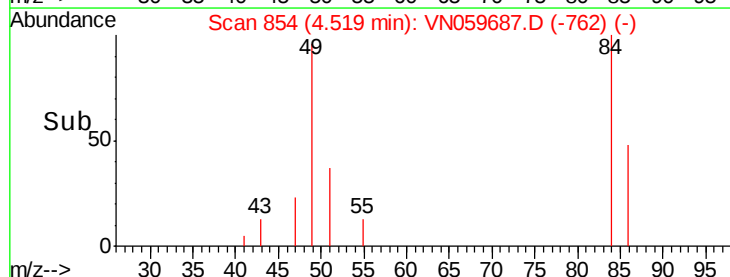
1500

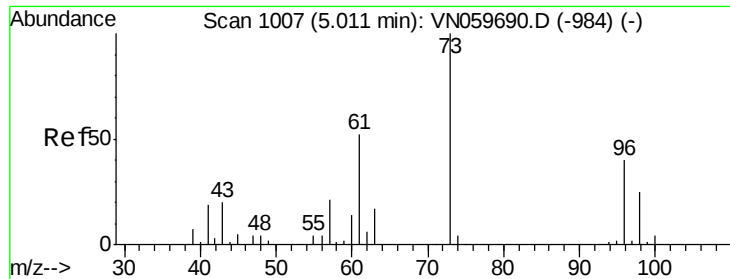
1000

500

0

Time--> 4.45 4.50 4.55 4.60





#21

trans-1,2-Dichloroethene

Concen: 0.448 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

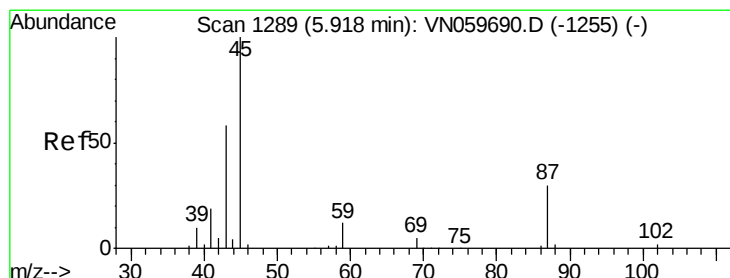
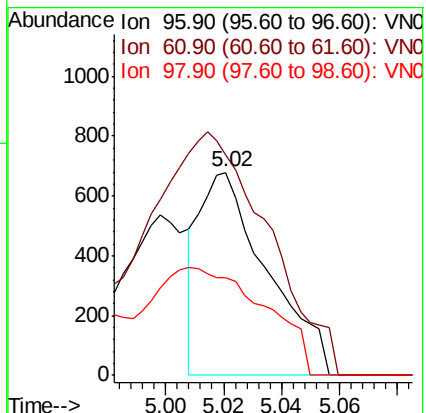
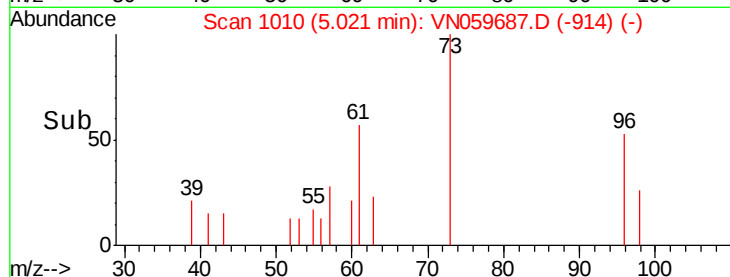
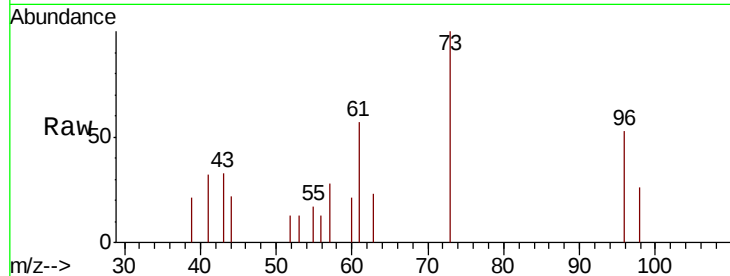
Tot Ion: 96 Resp: 1100

Ion Ratio Lower Upper

96 100

61 108.4 120.4 180.6#

98 48.4 50.6 75.8#



#22

Diisopropyl ether

Concen: 0.670 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Tgt Ion: 45 Resp: 5590

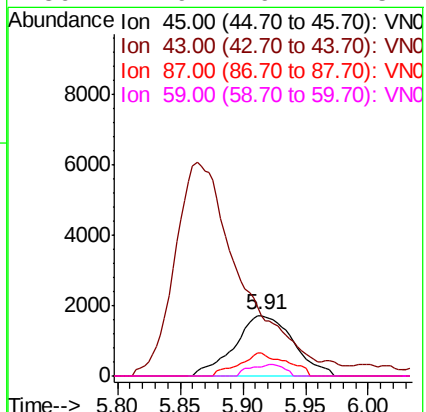
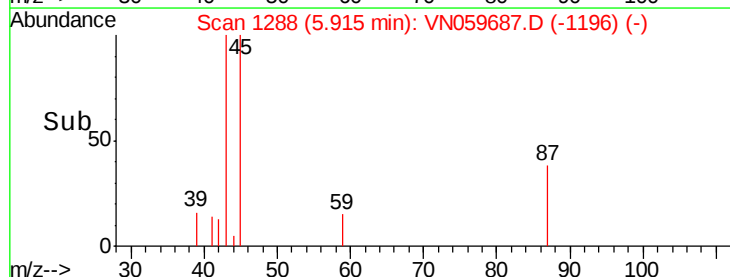
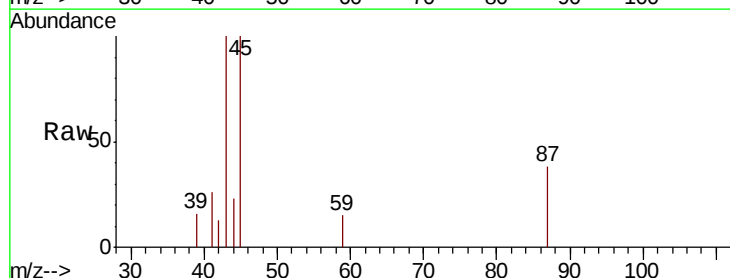
Ion Ratio Lower Upper

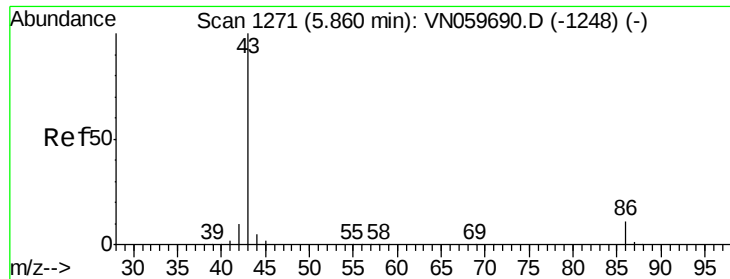
45 100

43 80.2 50.8 76.2#

87 38.2 21.0 31.6#

59 14.9 9.1 13.7#





#23

Vinyl Acetate

Concen: 3.410 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

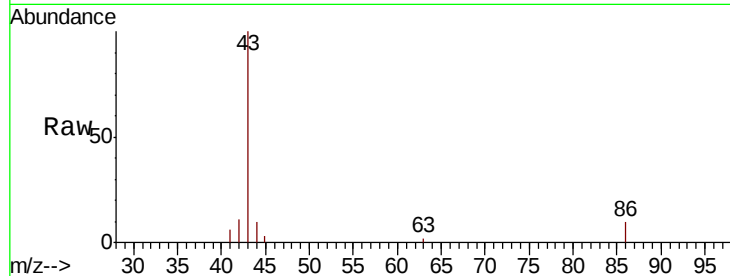
VSTDIC001

Tot Ion: 43 Resp: 22315

Ion Ratio Lower Upper

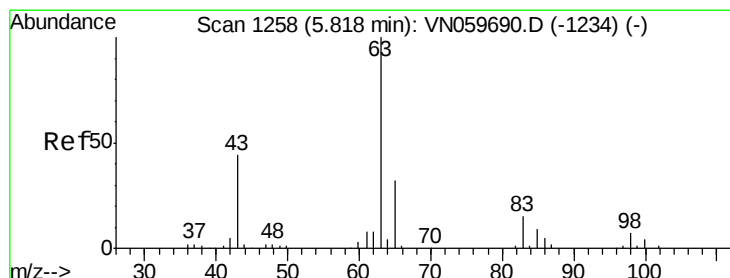
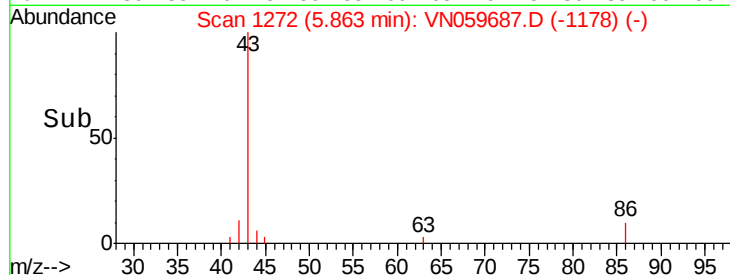
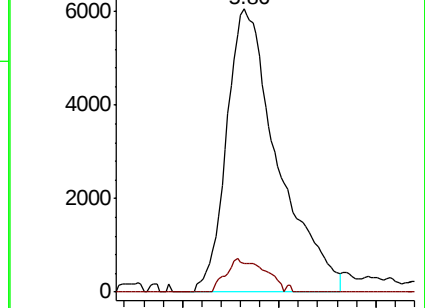
43 100

86 10.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-1248) (-)

Ion 86.00 (85.70 to 86.70): VN059690.D (-1248) (-)



#24

1,1-Dichloroethane

Concen: 0.752 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

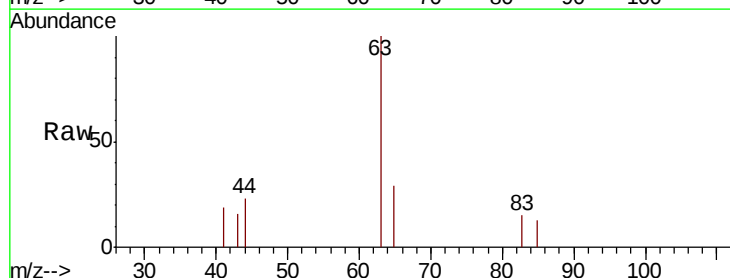
Tgt Ion: 63 Resp: 3553

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

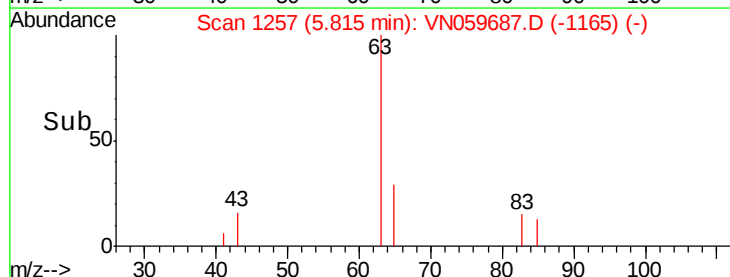
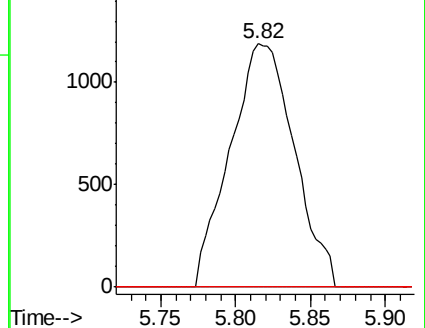
100 0.0 2.0 6.0#

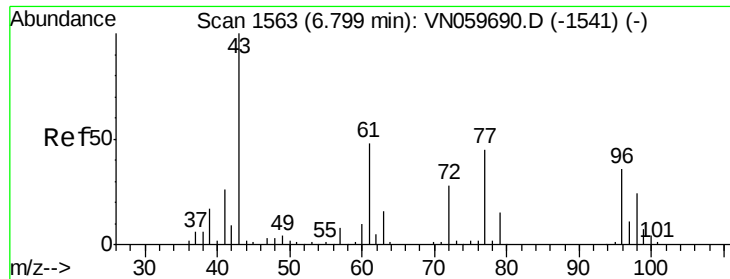


Abundance Ion 62.90 (62.60 to 63.60): VN059690.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN059690.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN059690.D (-1234) (-)

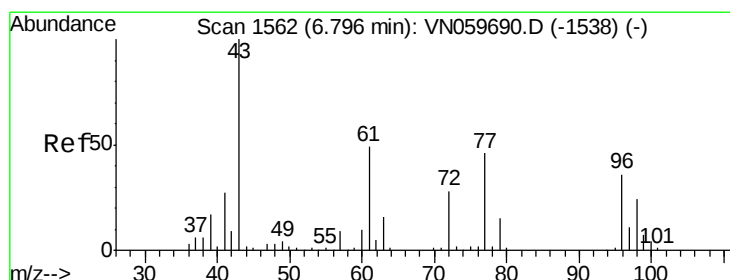
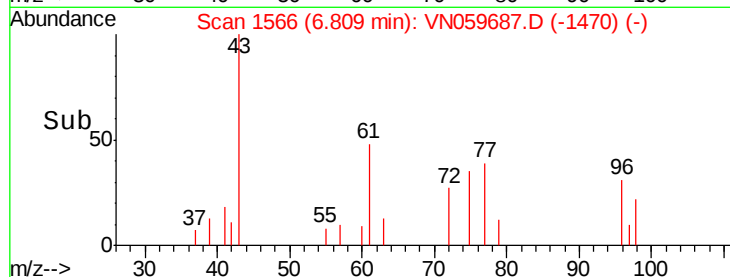
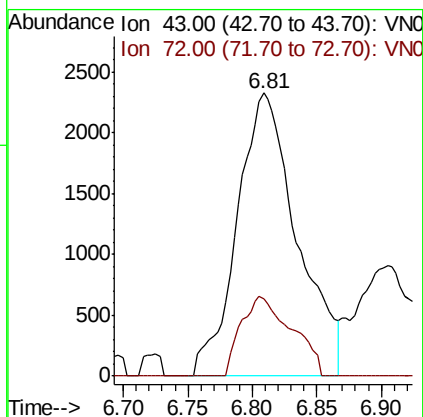
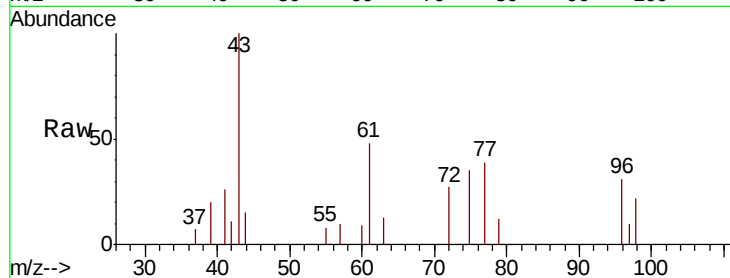




#25
2-Butanone
Concen: 3.474 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

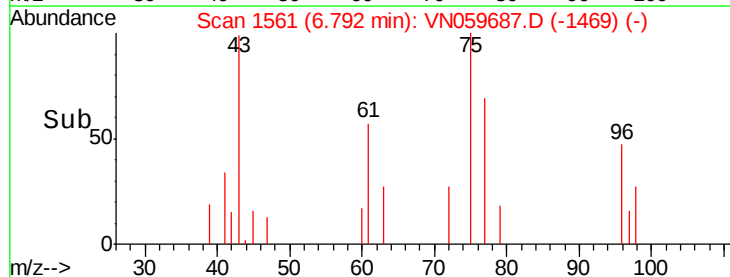
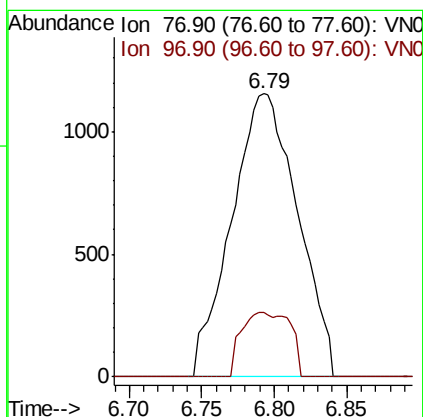
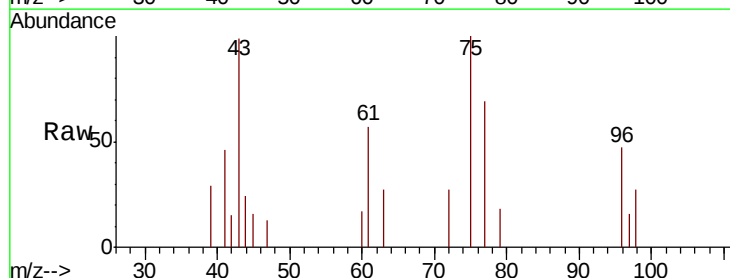
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 7539
Ion Ratio Lower Upper
43 100
72 27.4 19.9 29.9



#26
2,2-Dichloropropane
Concen: 0.852 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 77 Resp: 3657
Ion Ratio Lower Upper
77 100
97 16.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 0.855 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

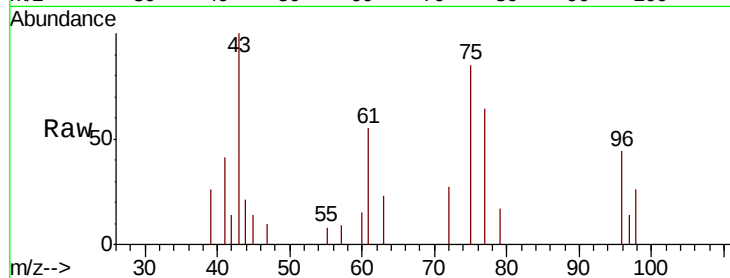
Tot Ion: 96 Resp: 2327

Ion Ratio Lower Upper

96 100

61 141.1 0.0 317.6

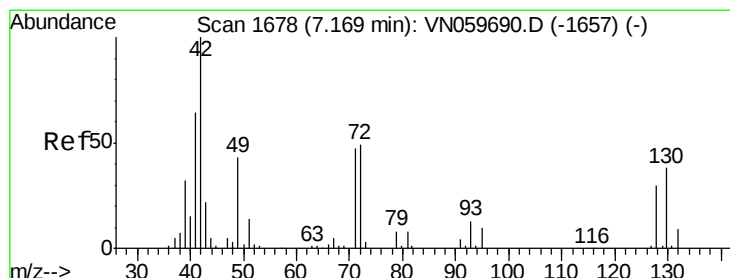
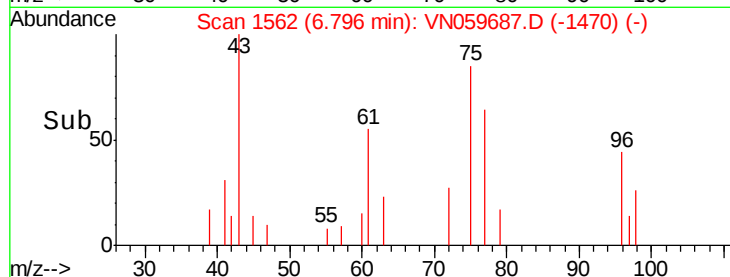
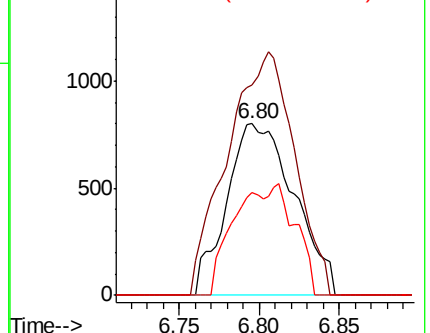
98 30.5 0.0 127.0



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: 0.926 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

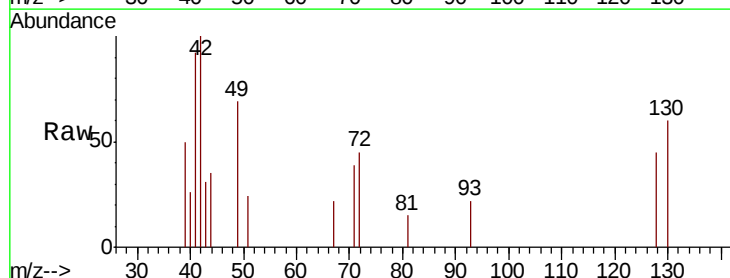
Tgt Ion: 49 Resp: 1500

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

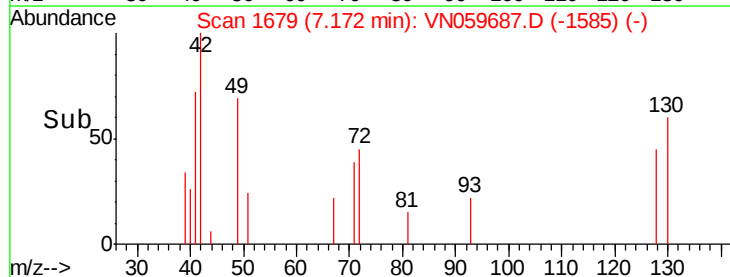
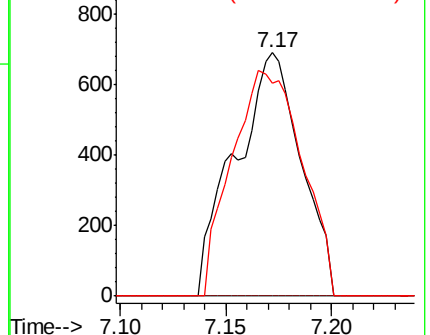
130 98.5 54.7 82.1#

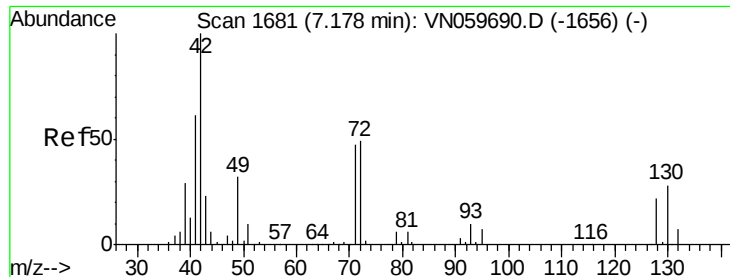


Abundance Ion 48.90 (48.60 to 49.60): VN059690.D (-1657) (-)

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

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

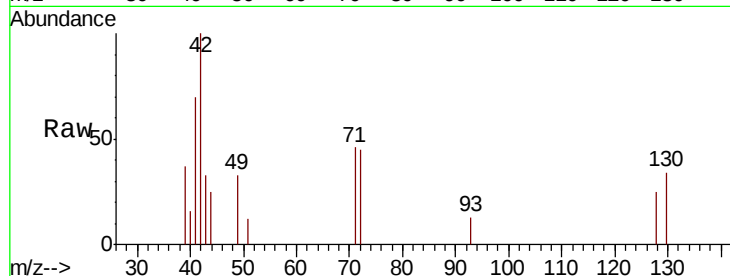




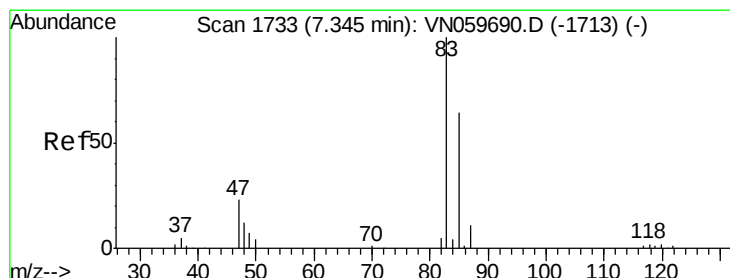
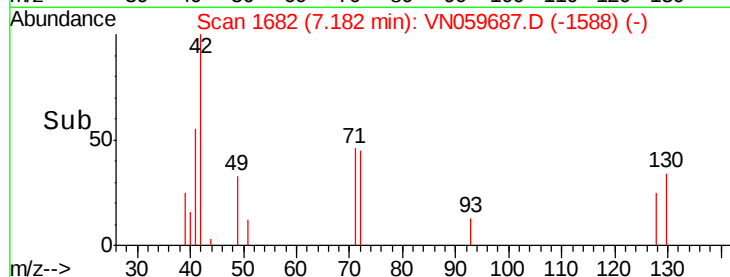
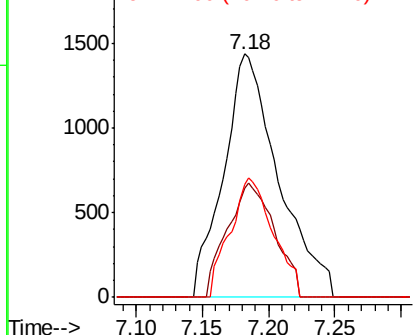
#29
Tetrahydrofuran
Concen: 3.134 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 42 Resp: 4144
Ion Ratio Lower Upper
42 100
72 40.4 33.1 49.7
71 38.4 31.4 47.0

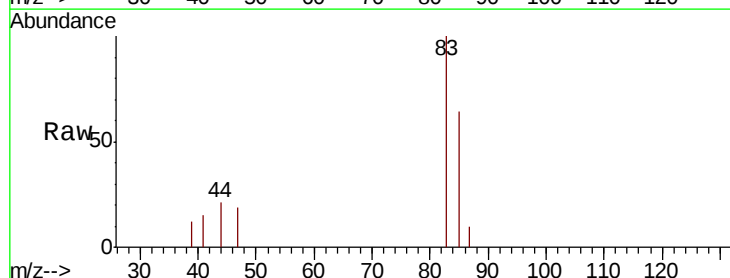


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

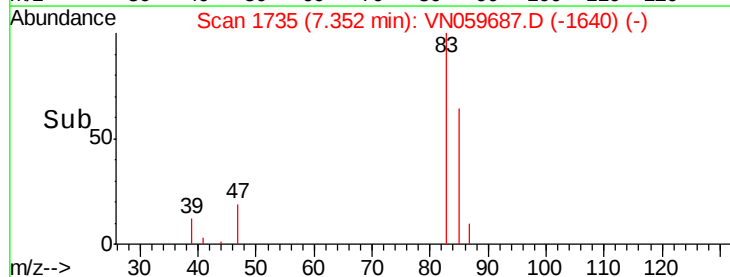
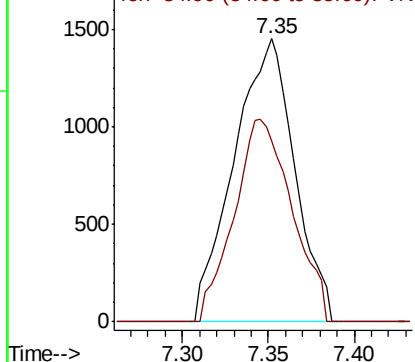


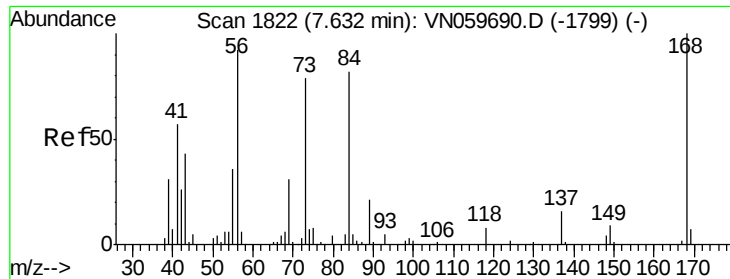
#30
Chloroform
Concen: 0.766 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.01 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 83 Resp: 3560
Ion Ratio Lower Upper
83 100
85 64.1 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

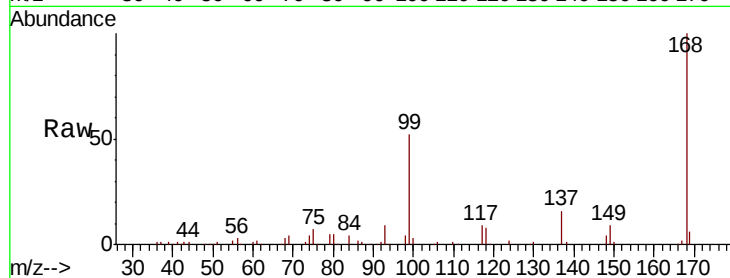




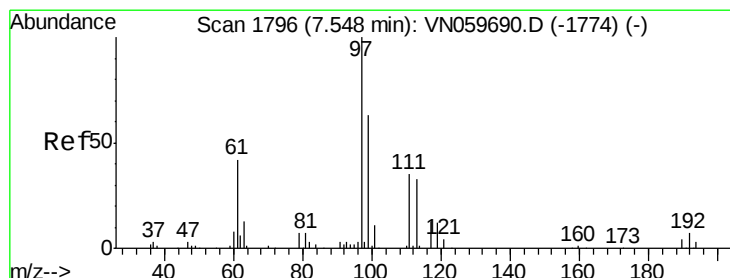
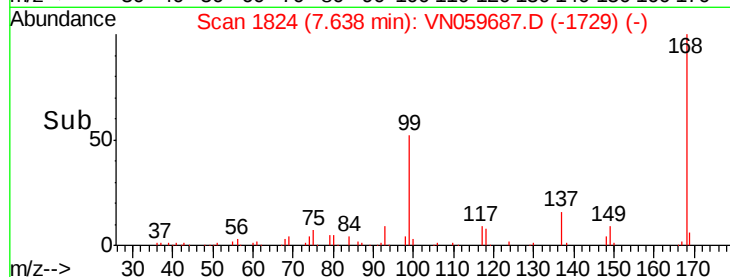
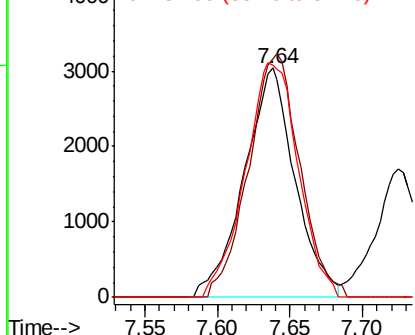
#31
Cyclohexane
Concen: 1.665 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 7433
Ion Ratio Lower Upper
56 100
69 104.2 26.5 39.7#
84 101.2 65.3 97.9#

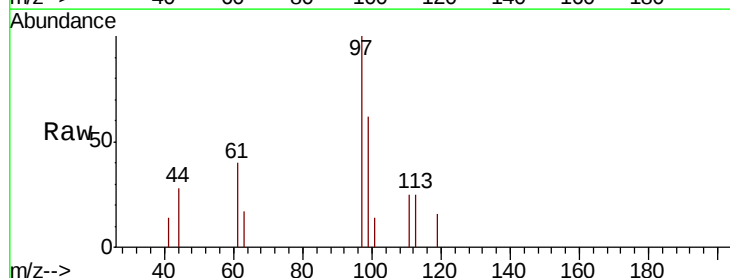


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

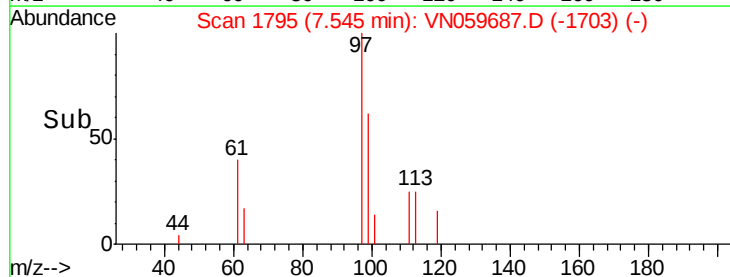
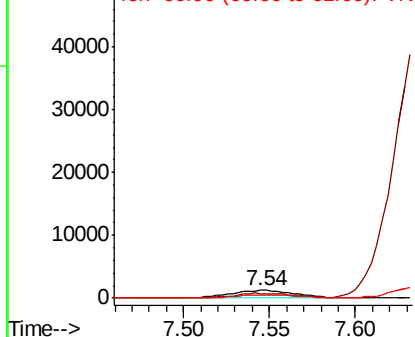


#32
1,1,1-Trichloroethane
Concen: 0.768 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 97 Resp: 3218
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 35.8 38.5 57.7#



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

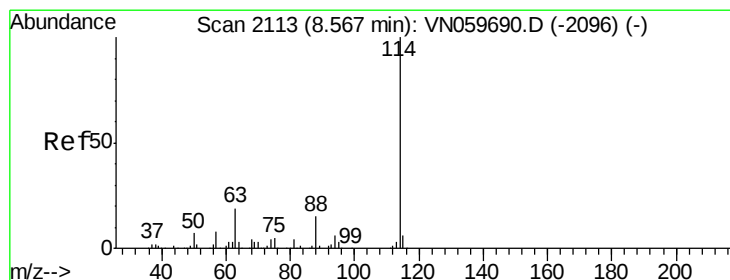
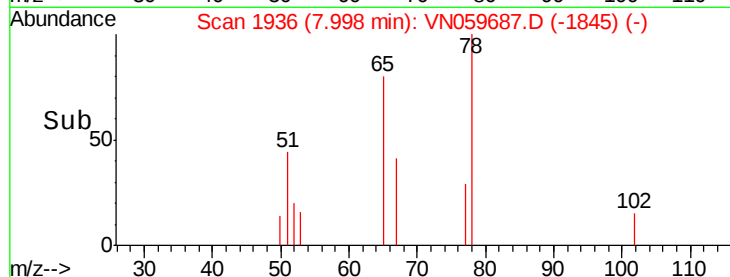
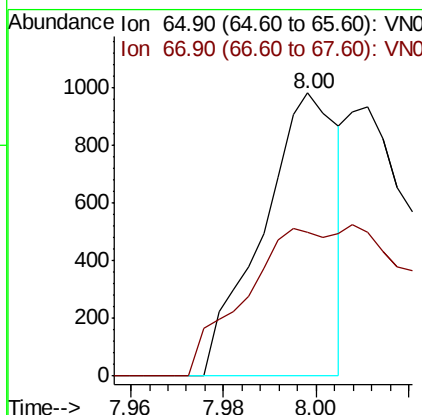
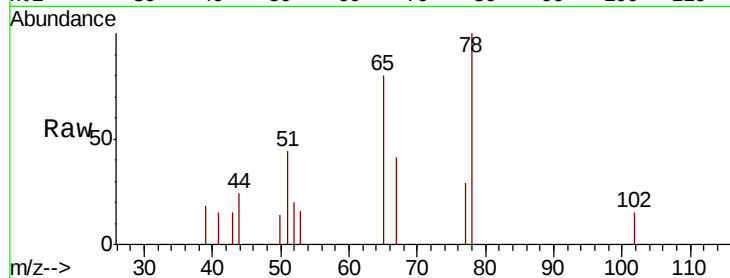




#33
 1,2-Dichloroethane-d4
 Concen: 0.362 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

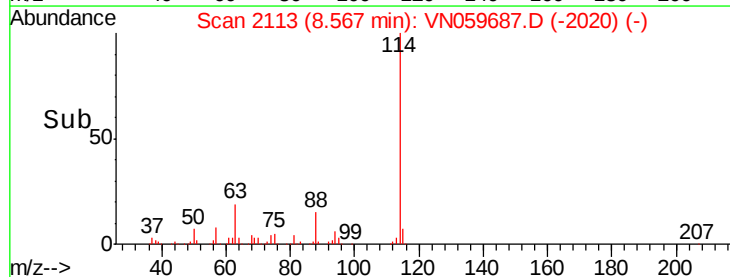
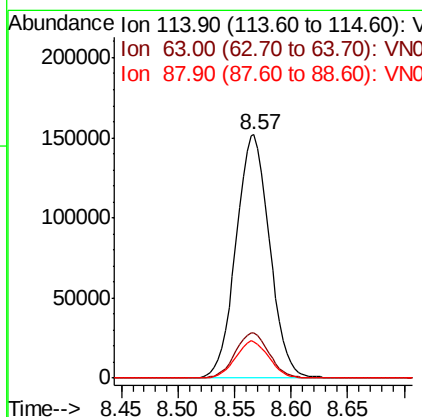
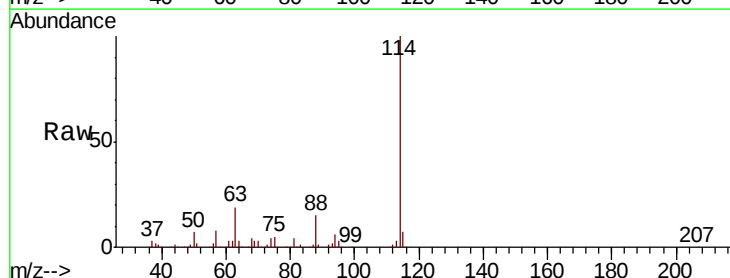
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

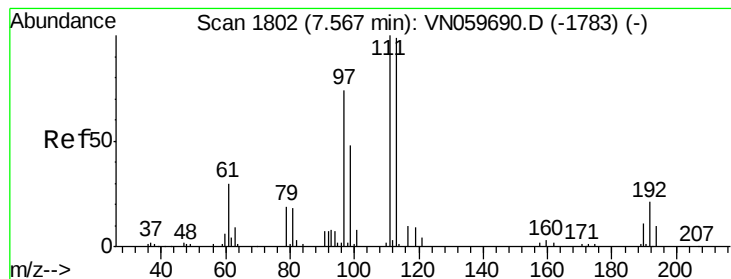
Tot Ion: 65 Resp: 1108
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Tgt Ion: 114 Resp: 314971
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.6
 88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 0.452 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

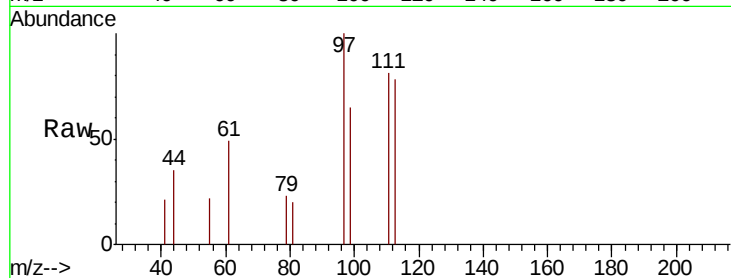
Tot Ion:113 Resp: 890

Ion Ratio Lower Upper

113 100

111 192.4 83.5 125.3#

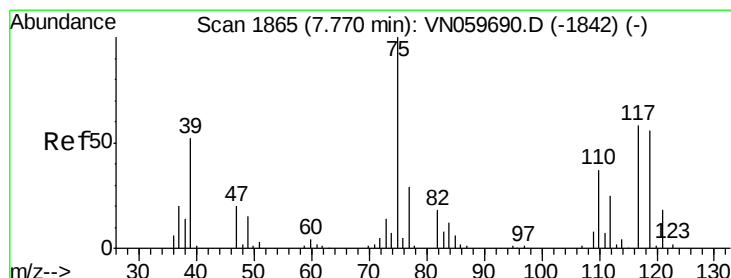
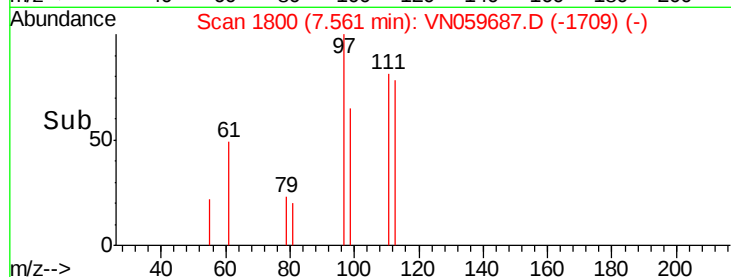
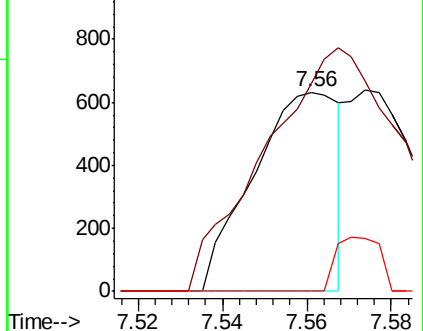
192 14.0 15.4 23.2#



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: 0.855 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

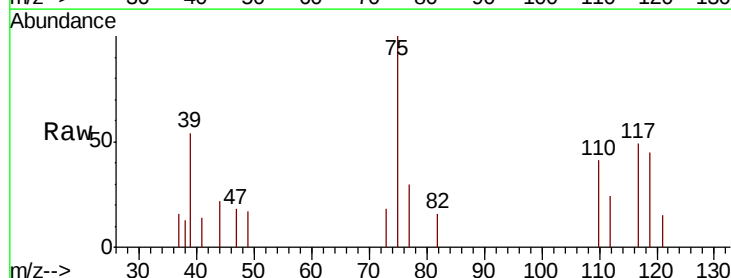
Tgt Ion: 75 Resp: 2807

Ion Ratio Lower Upper

75 100

110 32.4 16.6 49.7

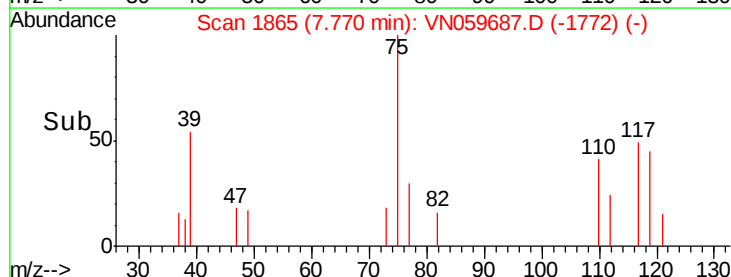
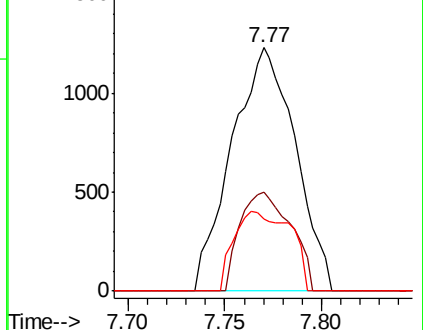
77 28.9 25.1 37.7

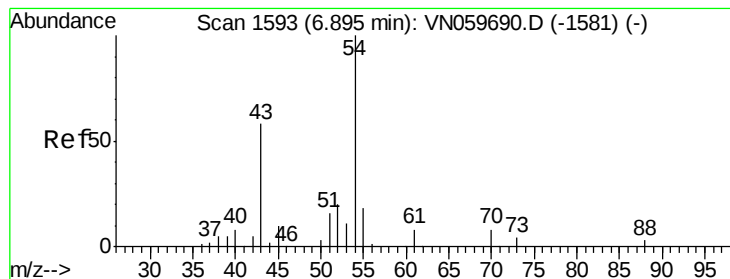


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 0.812 ug/l

RT: 6.91 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

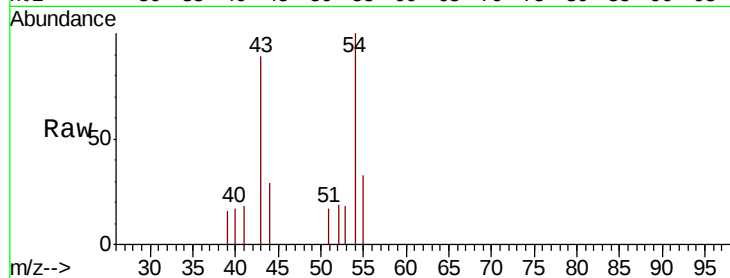
Tot Ion: 43 Resp: 3100

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

70 0.9 7.7 11.5#

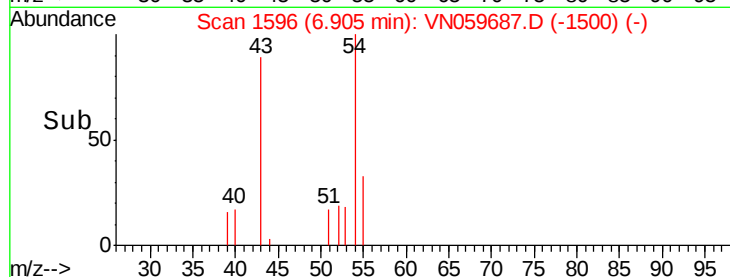


Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-1581) (-)

Ion 60.90 (60.60 to 61.60): VN059690.D (-1581) (-)

Ion 70.00 (69.70 to 70.70): VN059690.D (-1581) (-)

Time-->



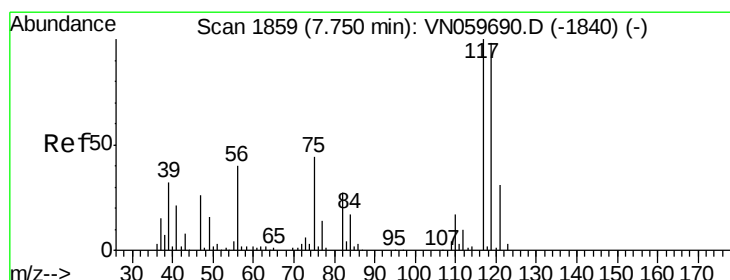
Abundance

Ion 43.00 (42.70 to 43.70): VN059687.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN059687.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN059687.D (-1500) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 0.875 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

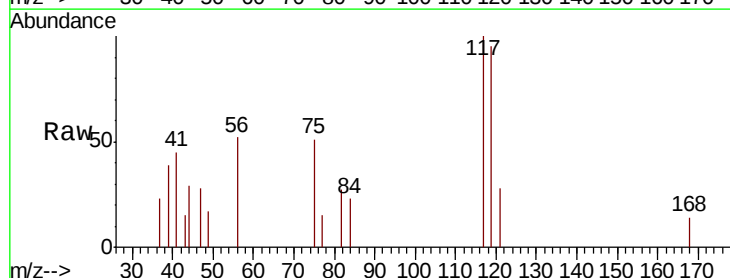
Tgt Ion: 117 Resp: 2981

Ion Ratio Lower Upper

117 100

119 94.5 76.5 114.7

121 28.3 25.1 37.7

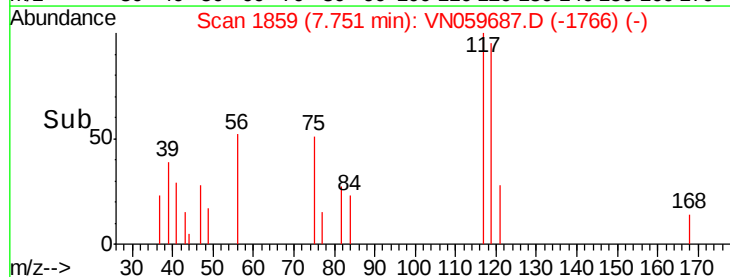


Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN059690.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN059690.D (-1840) (-)

Time-->



Abundance

Ion 116.80 (116.50 to 117.50): VN059687.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN059687.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN059687.D (-1766) (-)

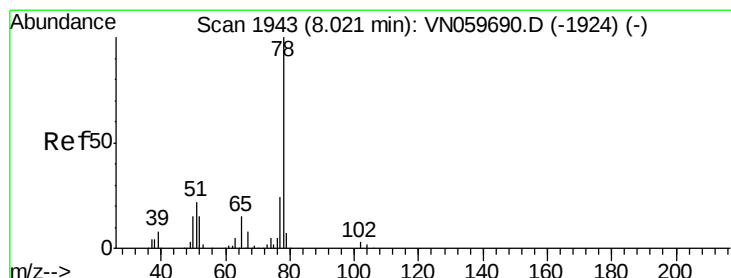
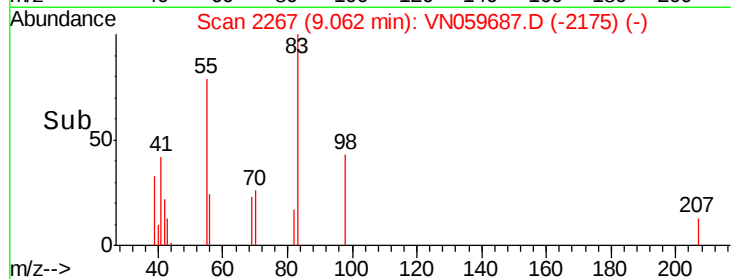
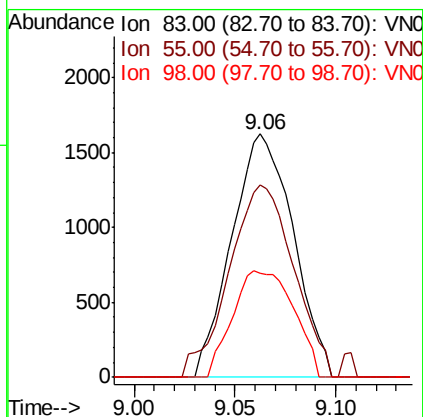
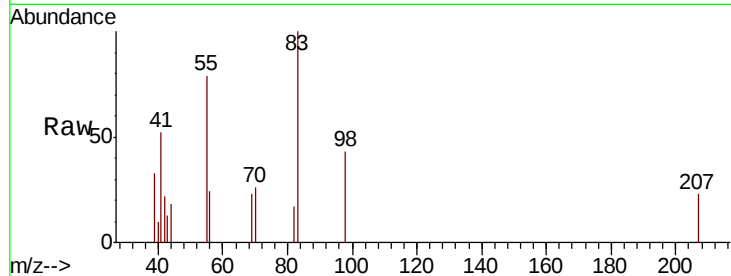
Time-->



#39
Methvlcvclohexane
Concen: 0.927 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

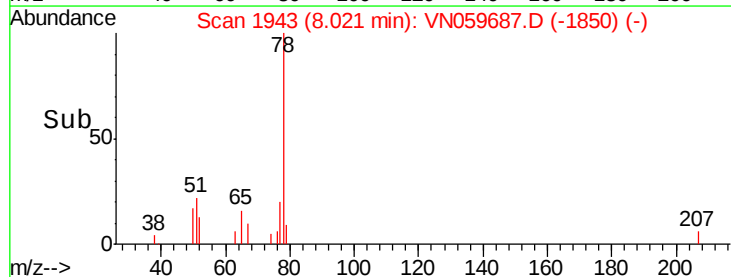
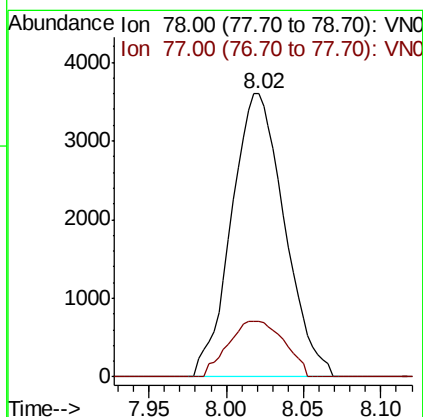
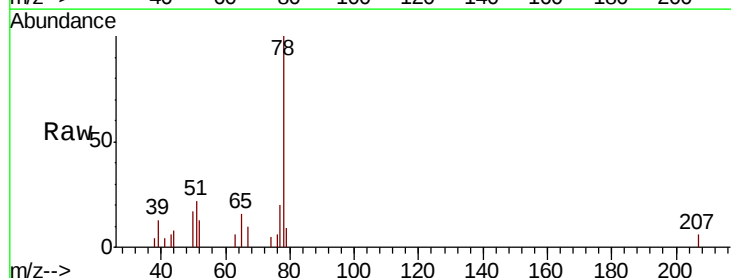
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

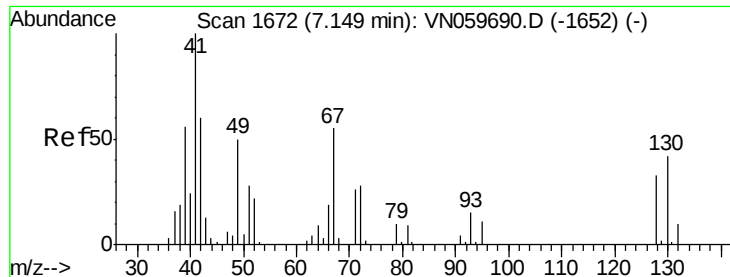
Tot Ion: 83 Resp: 3453
Ion Ratio Lower Upper
83 100
55 79.1 64.2 96.2
98 42.8 35.9 53.9



#40
Benzene
Concen: 0.892 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 78 Resp: 8563
Ion Ratio Lower Upper
78 100
77 19.8 18.9 28.3

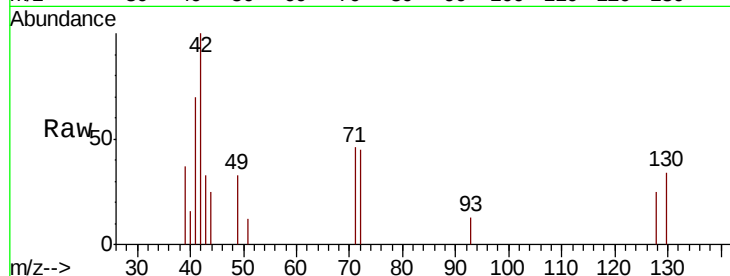




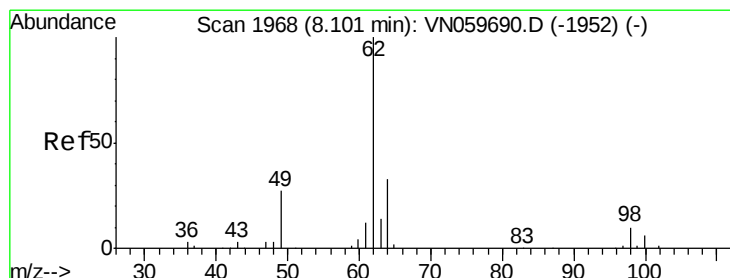
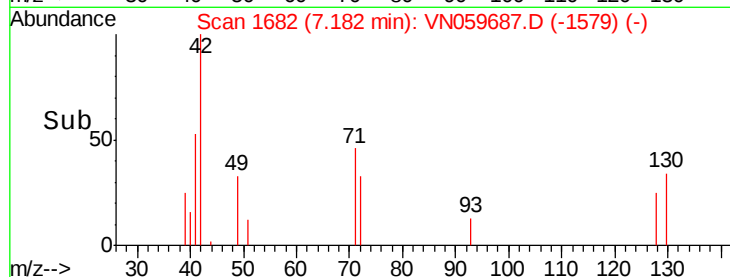
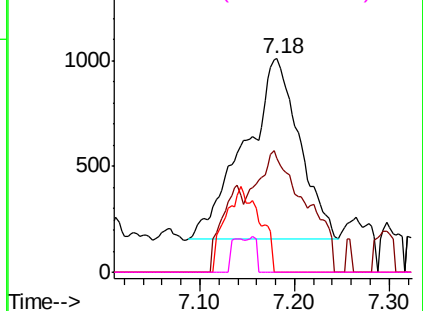
#41
Methacrylonitrile
Concen: 2.166 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	3412
Ion	Ratio	Lower	Upper
41	100		
39	46.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

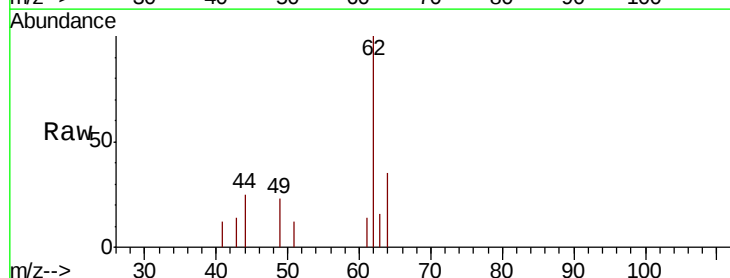


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

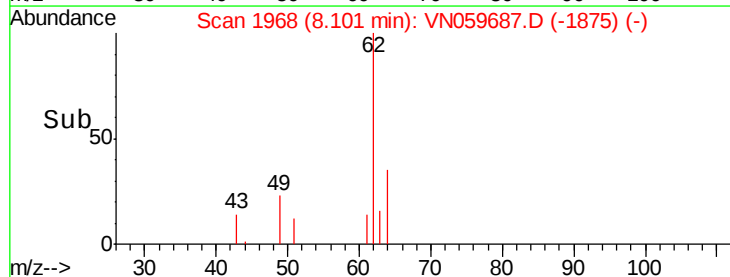
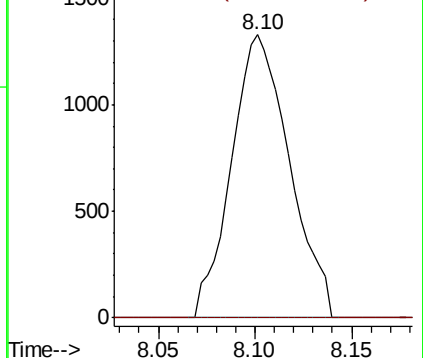


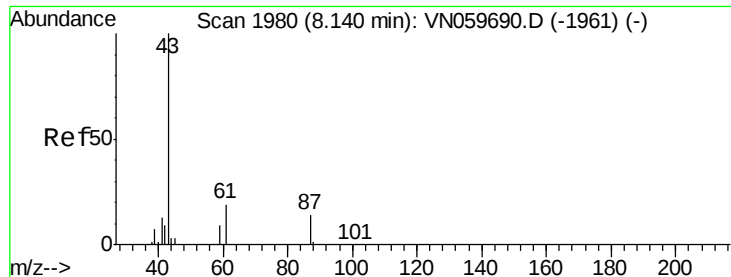
#42
1,2-Dichloroethane
Concen: 0.755 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion:	62	Resp:	2774
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.816 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

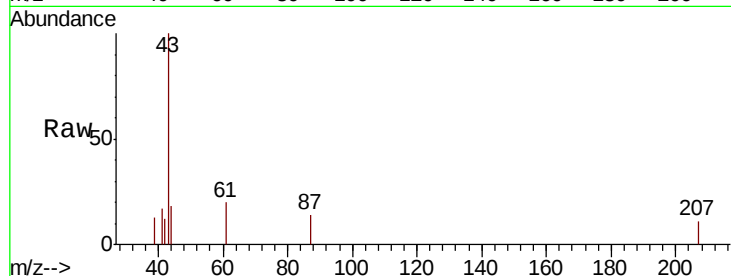
Tot Ion: 43 Resp: 4842

Ion Ratio Lower Upper

43 100

61 17.9 20.2 30.2#

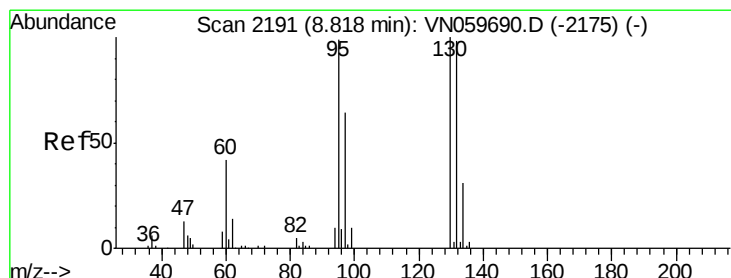
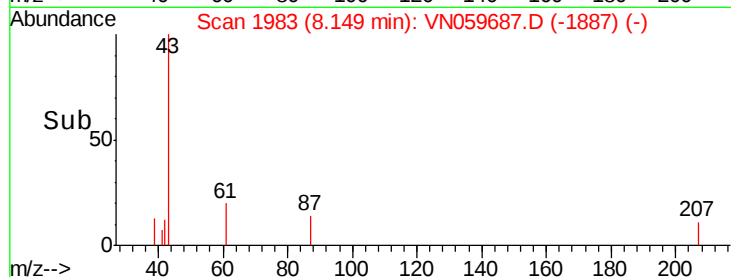
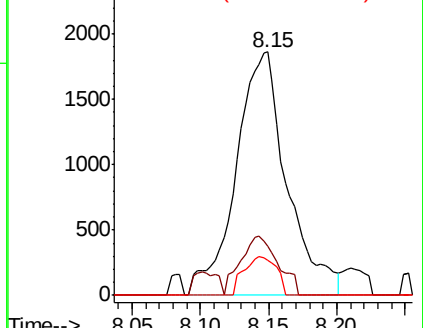
87 10.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059690.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059690.D (-1961) (-)



#44

Trichloroethene

Concen: 0.802 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059687.D

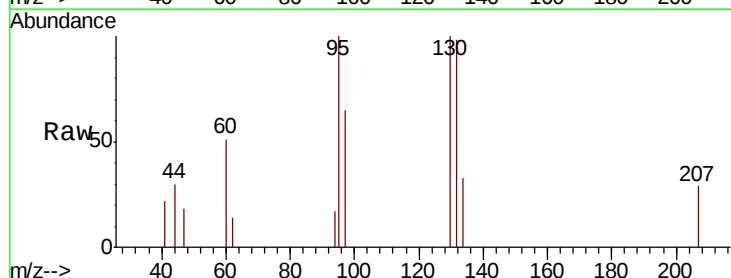
Acq: 13 Jan 2020 13:43

Tgt Ion: 130 Resp: 2016

Ion Ratio Lower Upper

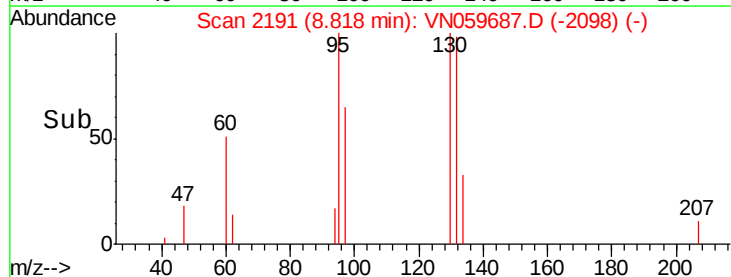
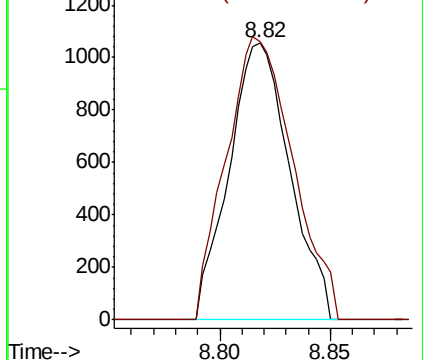
130 100

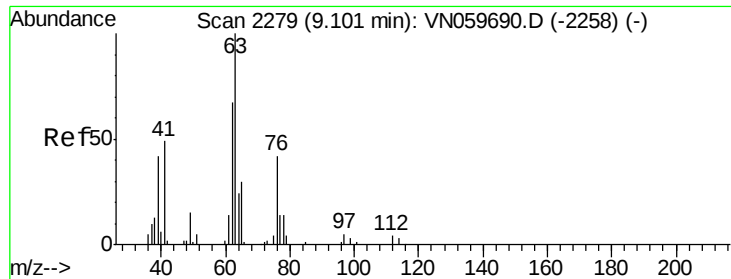
95 100.4 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059690.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059690.D (-2175) (-)

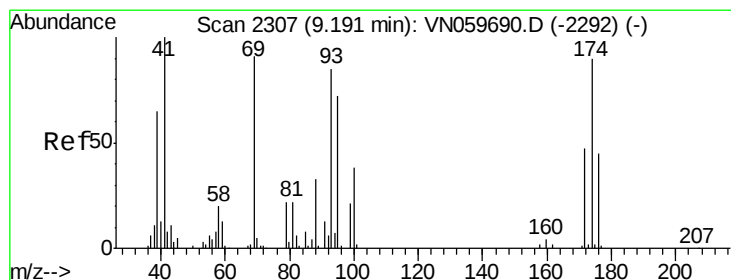
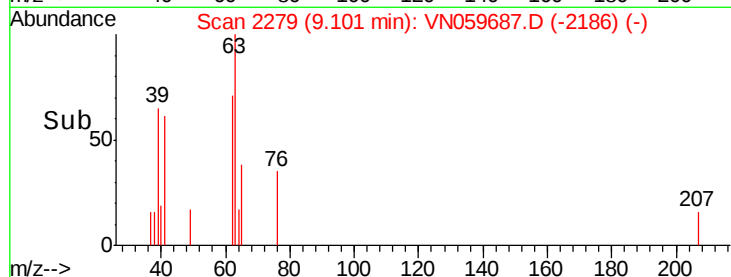
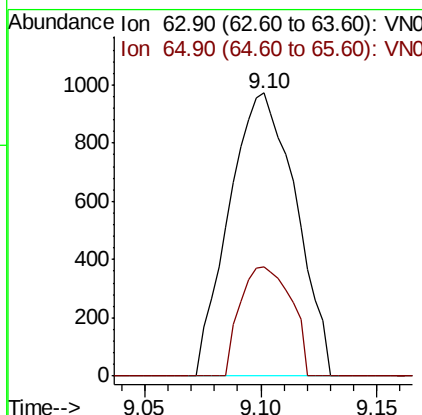
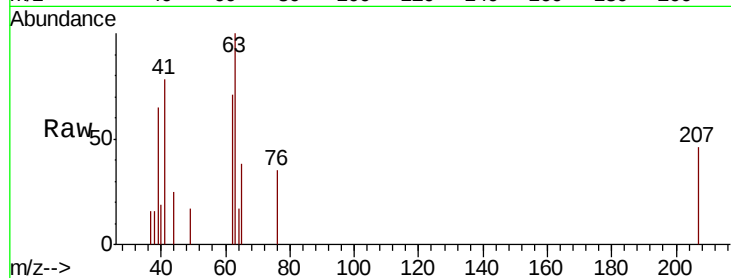




#45
 1,2-Dichloropropane
 Concen: 0.749 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

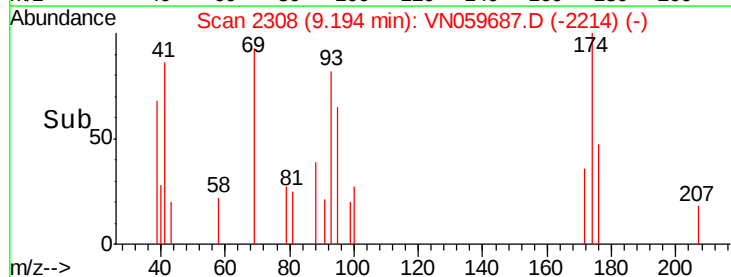
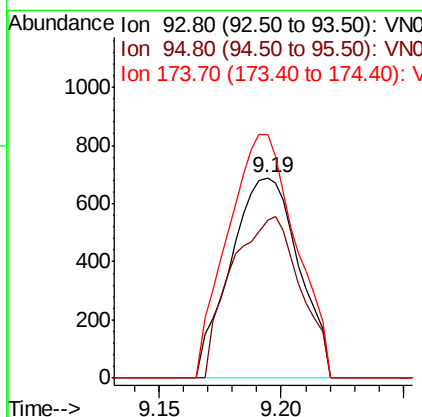
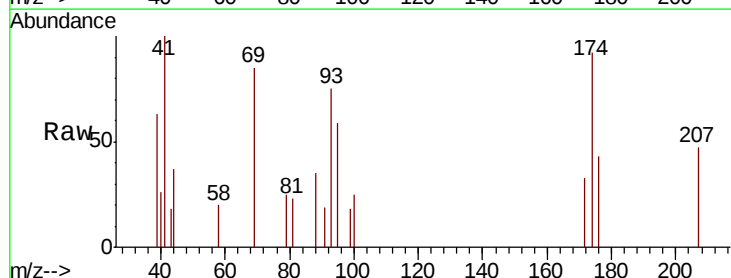
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

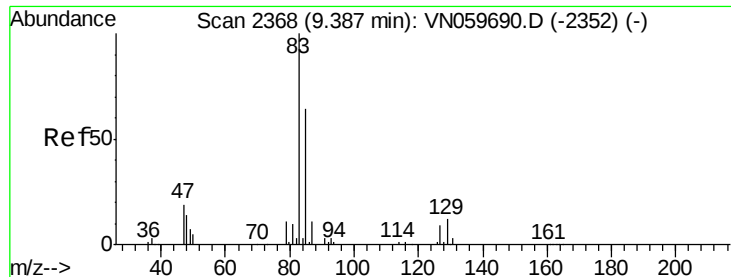
Tot Ion: 63 Resp: 1942
 Ion Ratio Lower Upper
 63 100
 65 38.5 24.9 37.3#



#46
 Dibromomethane
 Concen: 0.785 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Tgt Ion: 93 Resp: 1333
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.6
 174 121.3 73.4 110.2#





#47

Bromodichloromethane

Concen: 0.853 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

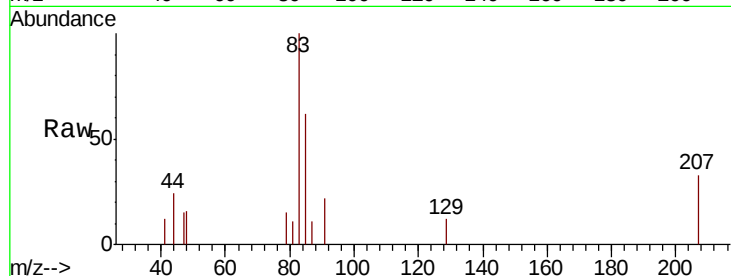
Tot Ion: 83 Resp: 2887

Ion Ratio Lower Upper

83 100

85 61.5 51.1 76.7

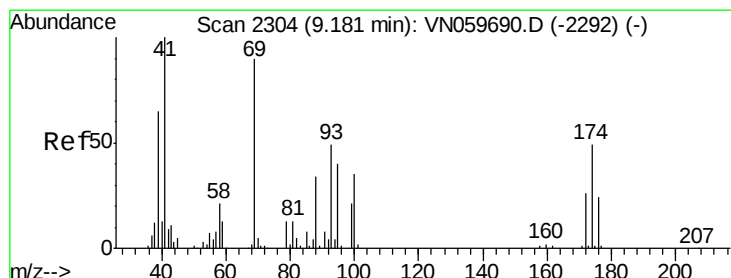
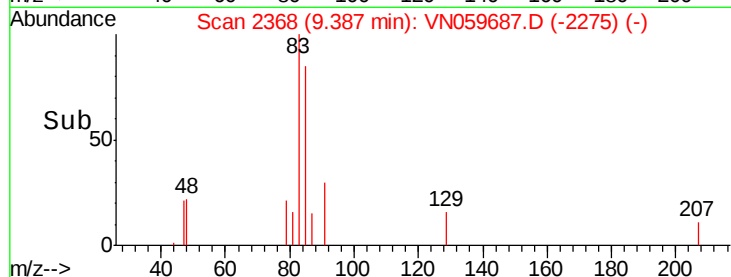
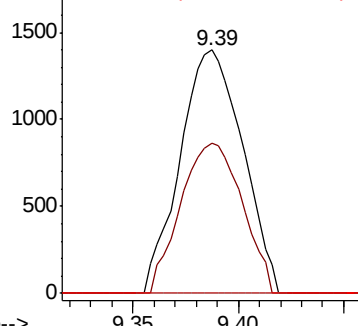
127 0.0 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VN059690.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059690.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059690.D (-2352) (-)



#48

Methyl methacrylate

Concen: 0.744 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.01 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

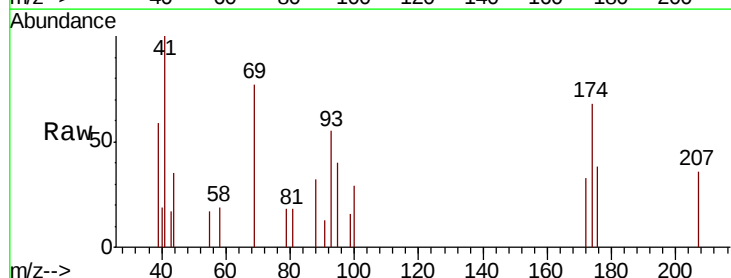
Tgt Ion: 41 Resp: 2003

Ion Ratio Lower Upper

41 100

69 93.2 64.4 96.6

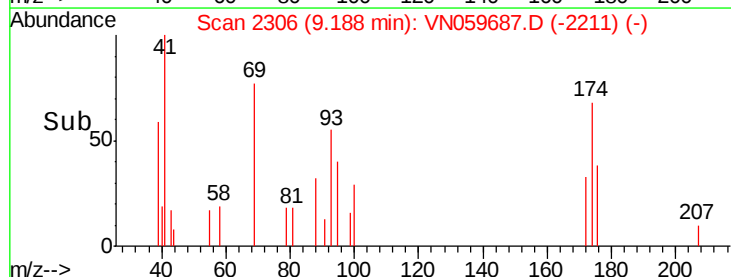
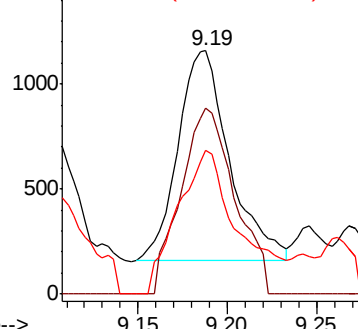
39 81.7 51.3 76.9#



Abundance Ion 41.00 (40.70 to 41.70): VN059690.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059690.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN059690.D (-2292) (-)

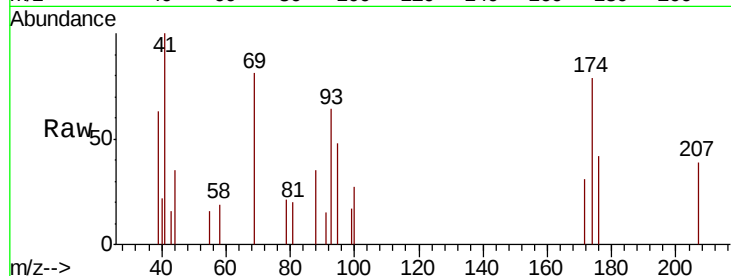




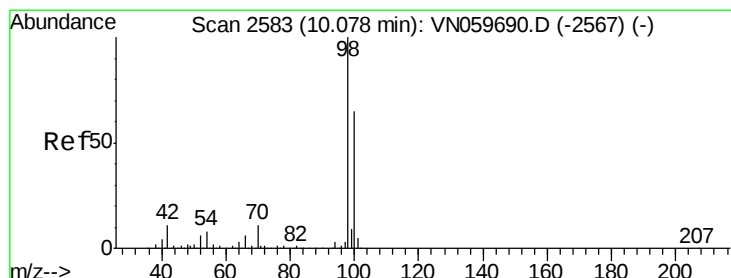
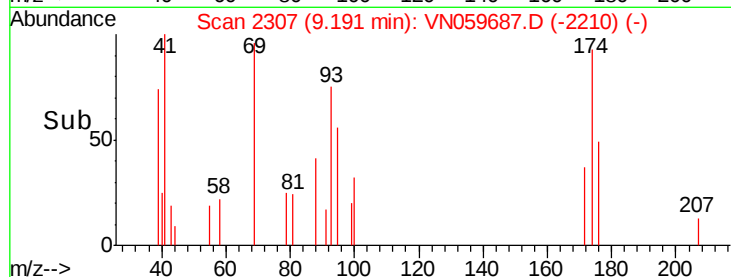
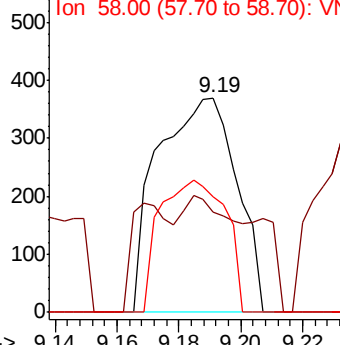
#49
 1,4-Dioxane
 Concen: 17.025 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.01 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 88 Resp: 657
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.7 44.5#
 58 51.3 56.6 85.0#

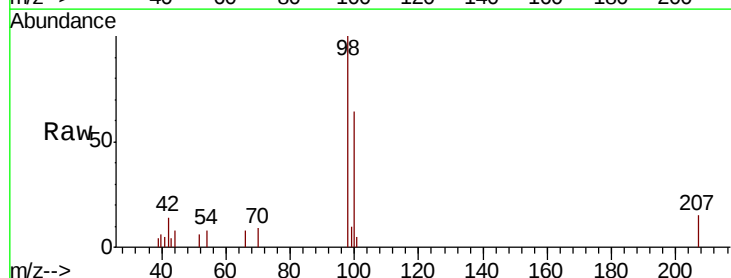


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

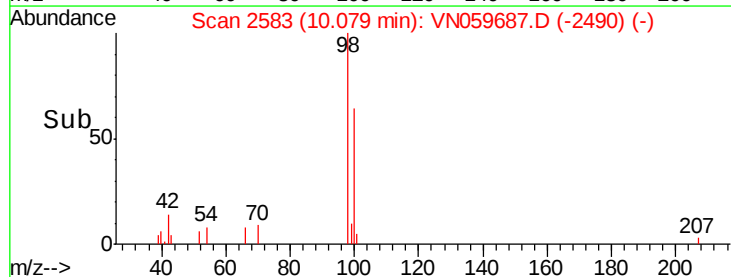
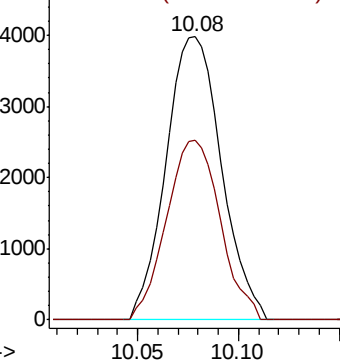


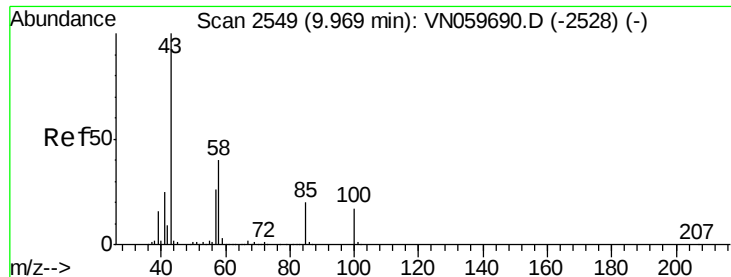
#50
 Toluene-d8
 Concen: 0.979 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Tgt Ion: 98 Resp: 7637
 Ion Ratio Lower Upper
 98 100
 100 61.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

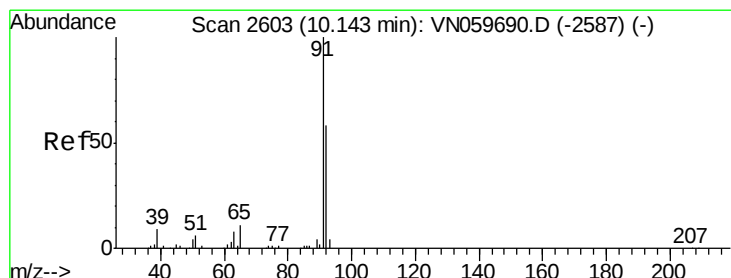
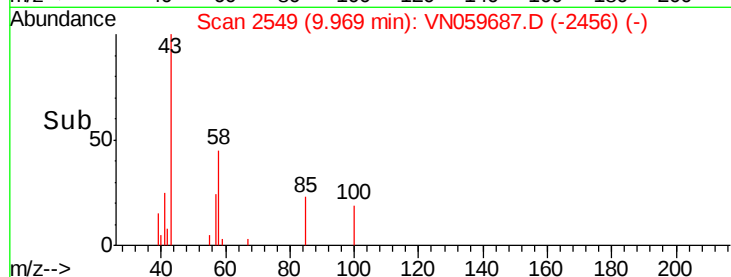
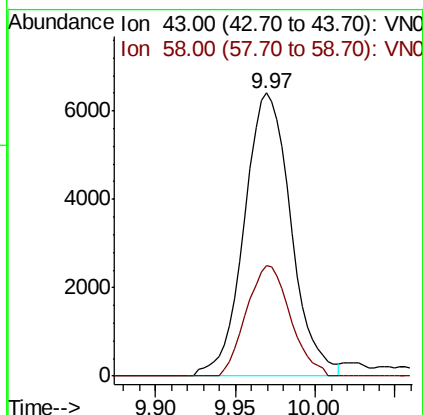
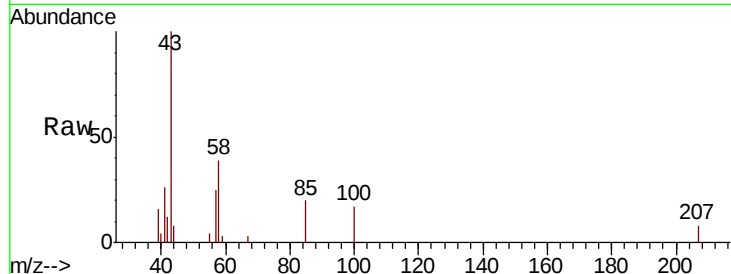




#51
4-Methyl-2-Pentanone
Concen: 3.630 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

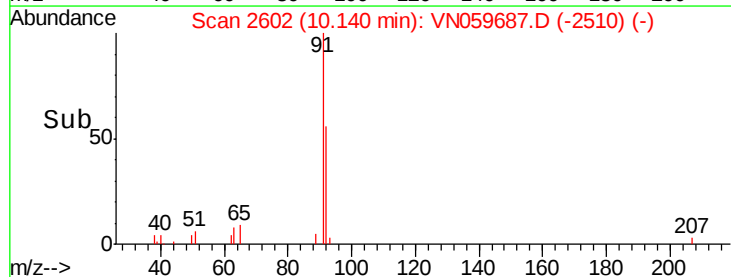
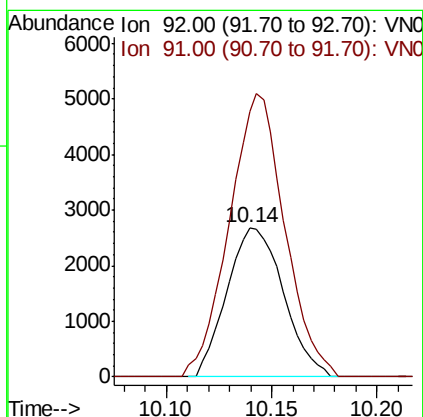
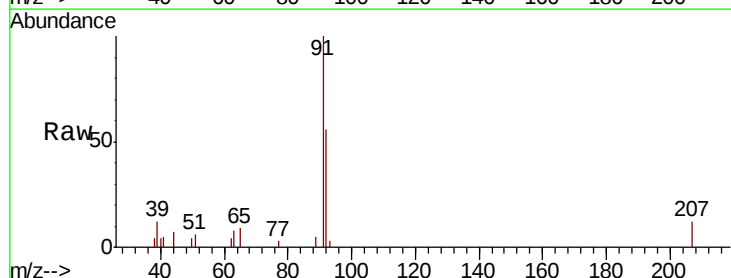
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

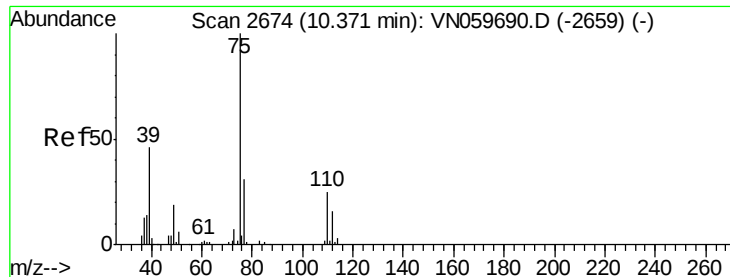
Tot Ion: 43 Resp: 12846
Ion Ratio Lower Upper
43 100
58 36.6 29.8 44.8



#52
Toluene
Concen: 0.846 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 92 Resp: 4992
Ion Ratio Lower Upper
92 100
91 186.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 0.746 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

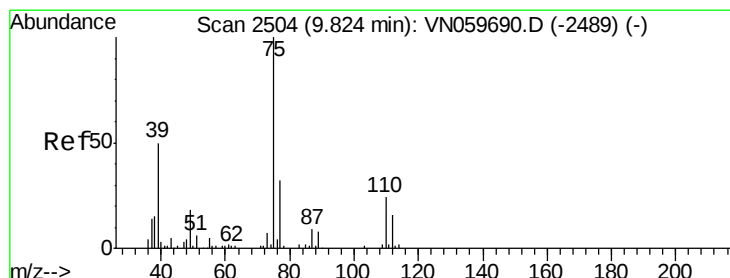
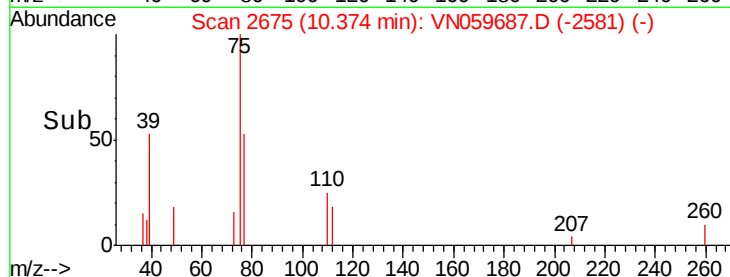
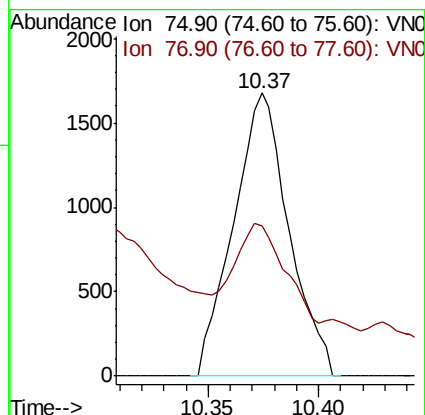
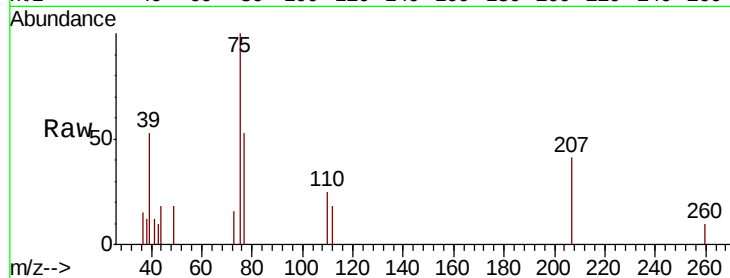
VSTDIC001

Tot Ion: 75 Resp: 2923

Ion Ratio Lower Upper

75 100

77 33.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 0.738 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

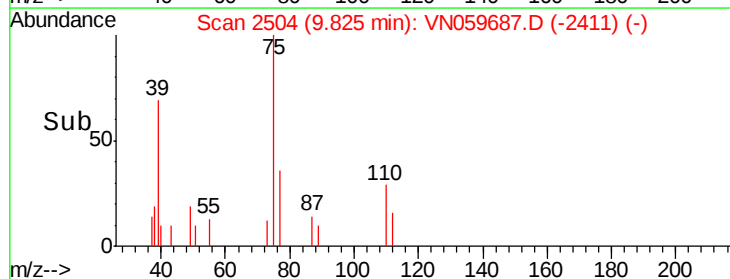
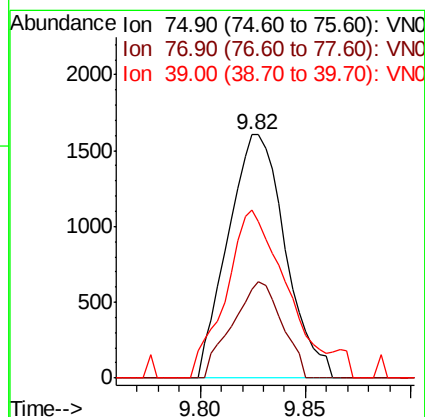
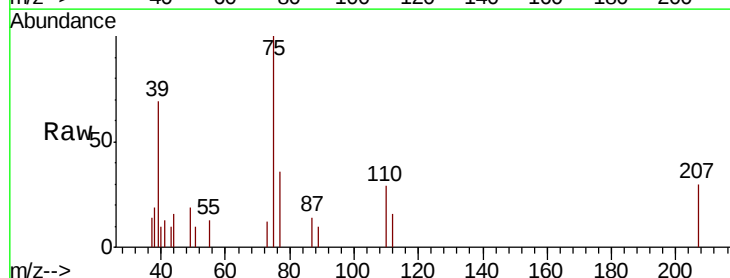
Tgt Ion: 75 Resp: 3039

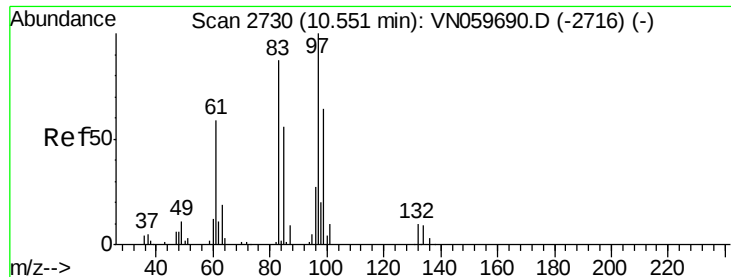
Ion Ratio Lower Upper

75 100

77 36.4 25.1 37.7

39 69.0 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 0.909 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 2103

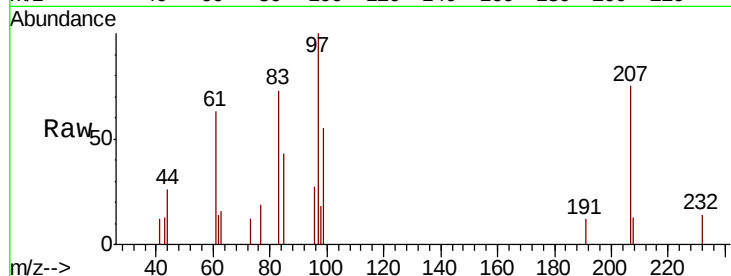
Ion Ratio Lower Upper

97 100

83 73.1 71.3 106.9

85 43.3 45.8 68.8#

99 54.8 50.0 75.0

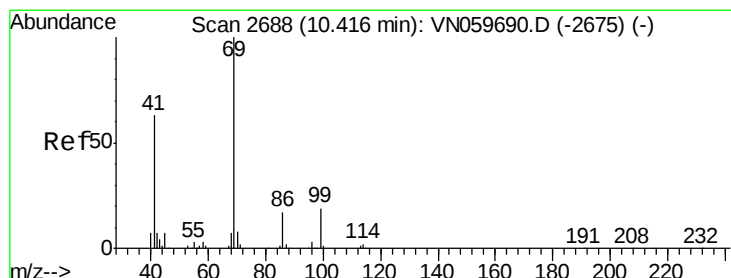
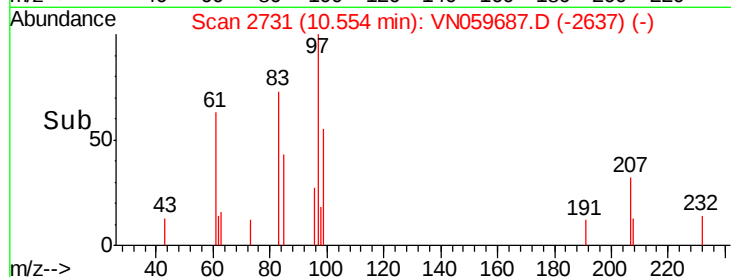
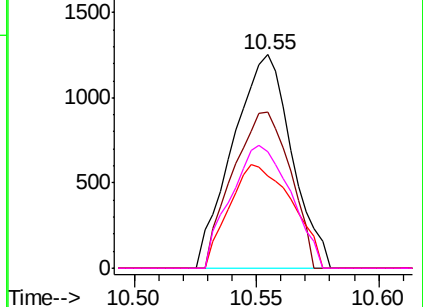


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.824 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.01 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

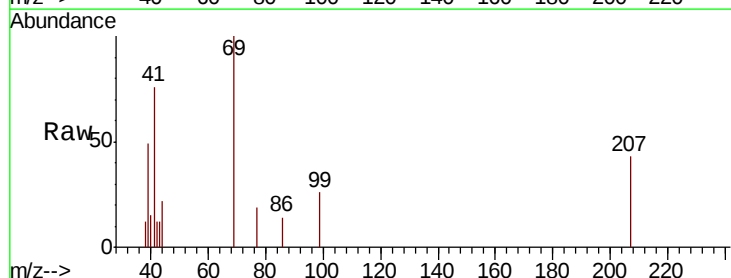
Tgt Ion: 69 Resp: 2831

Ion Ratio Lower Upper

69 100

41 98.4 57.1 85.7#

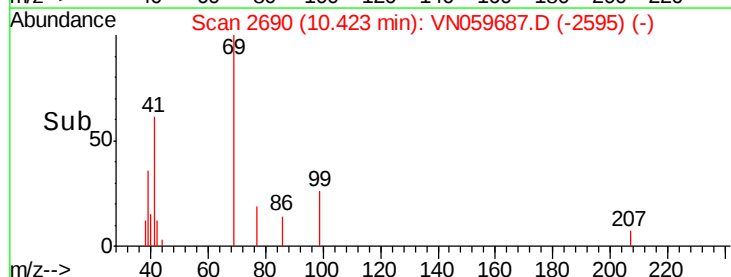
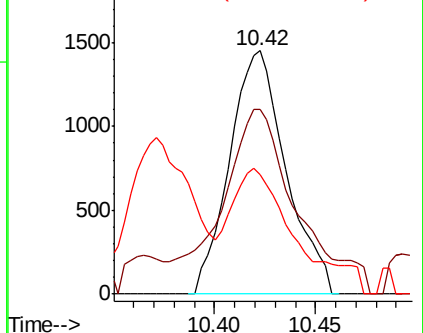
39 59.6 34.7 52.1#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.735 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

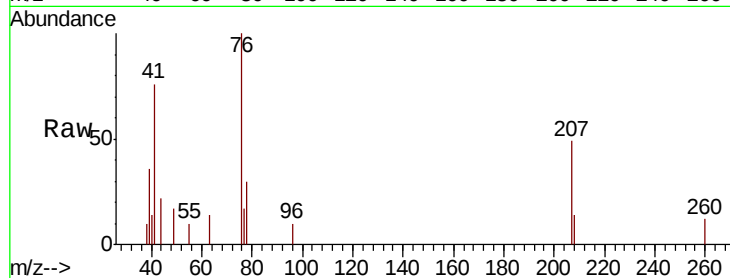
VSTDIC001

Tot Ion: 76 Resp: 2960

Ion Ratio Lower Upper

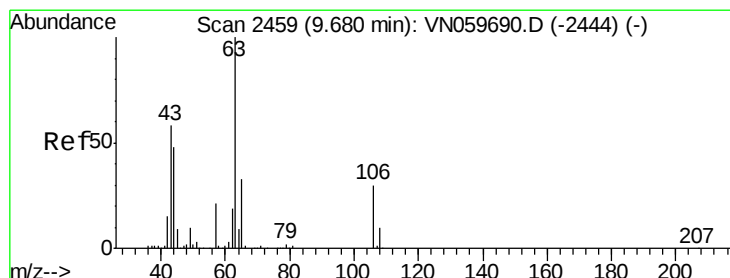
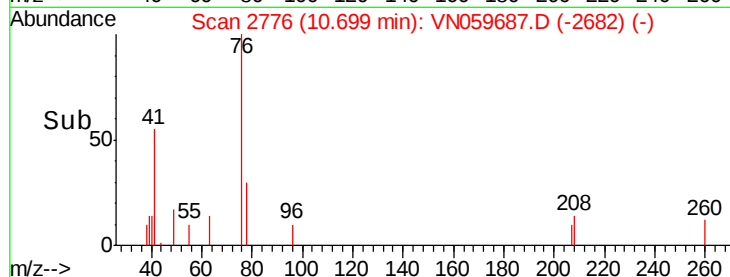
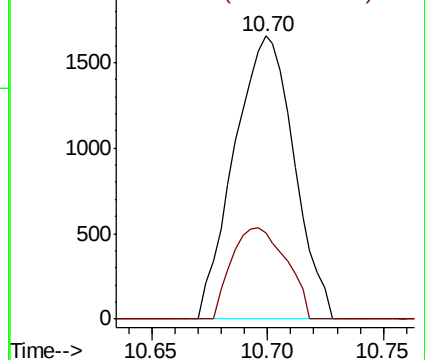
76 100

78 29.6 25.8 38.8



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: 3.607 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059687.D

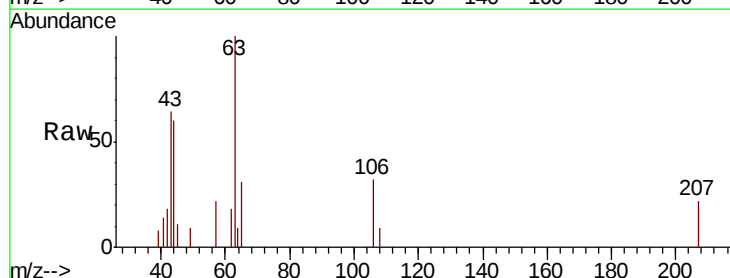
Acq: 13 Jan 2020 13:43

Tgt Ion: 63 Resp: 3942

Ion Ratio Lower Upper

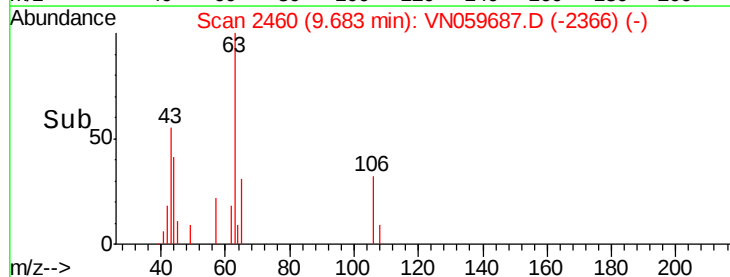
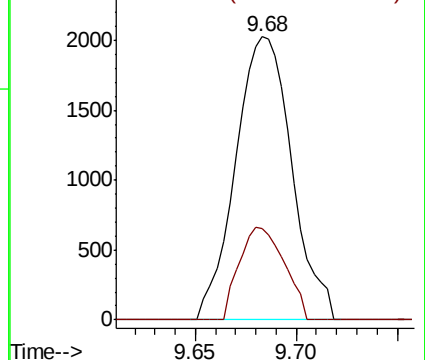
63 100

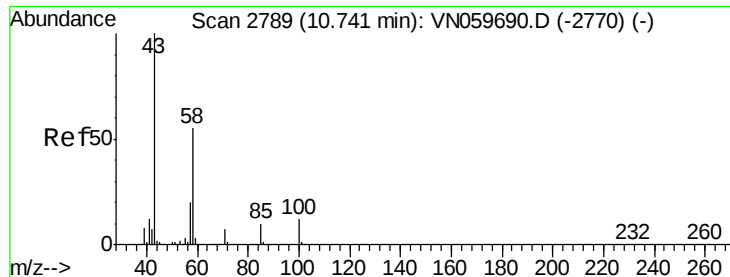
106 26.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

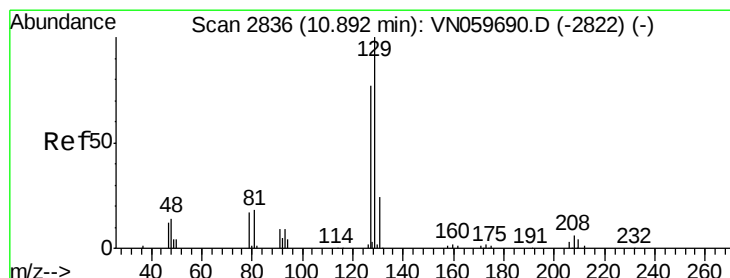
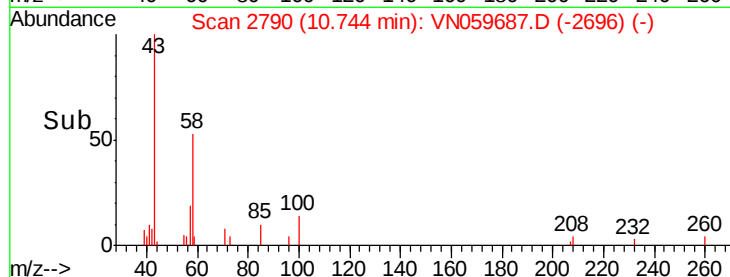
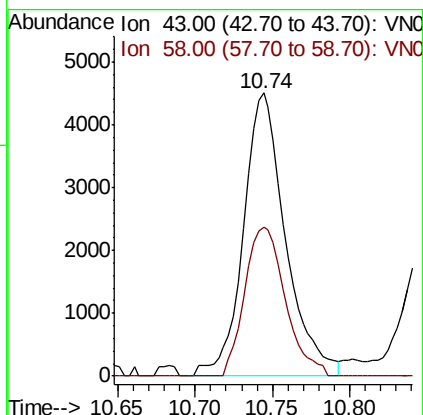
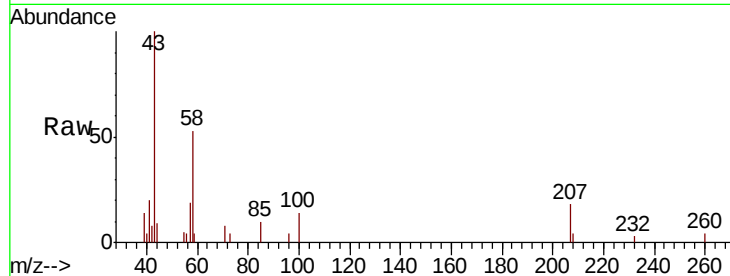




#59
2-Hexanone
Concen: 3.073 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

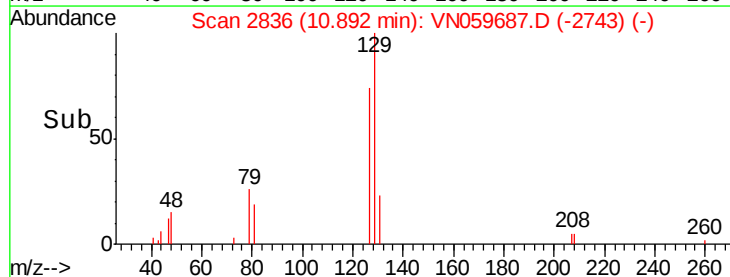
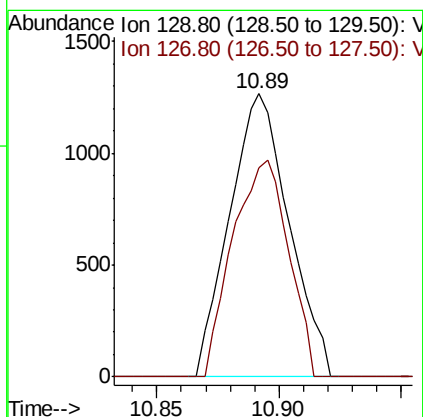
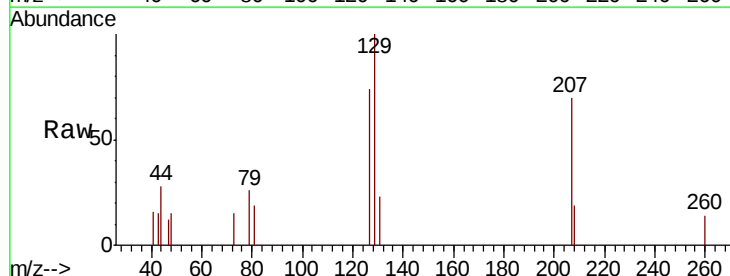
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

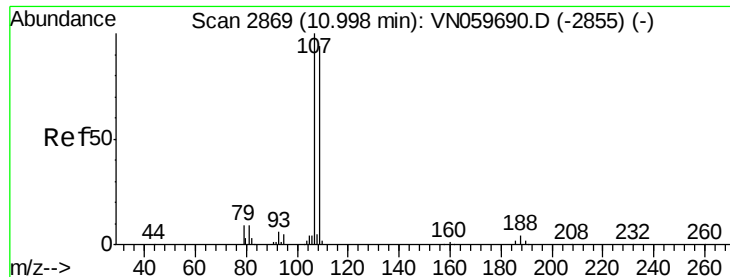
Tot Ion: 43 Resp: 8570
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3



#60
Dibromochloromethane
Concen: 0.845 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 129 Resp: 2135
Ion Ratio Lower Upper
129 100
127 72.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 0.819 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampled :

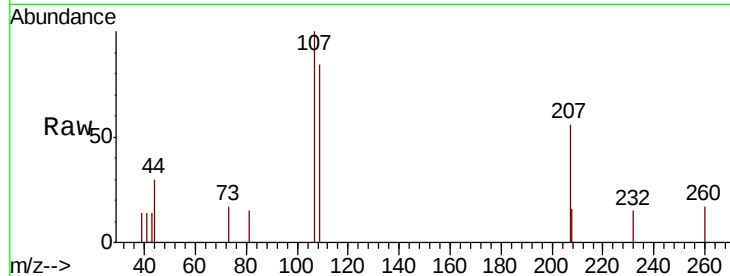
VSTDIC001

Tot Ion:107 Resp: 2011

Ion Ratio Lower Upper

107 100

109 96.8 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.99

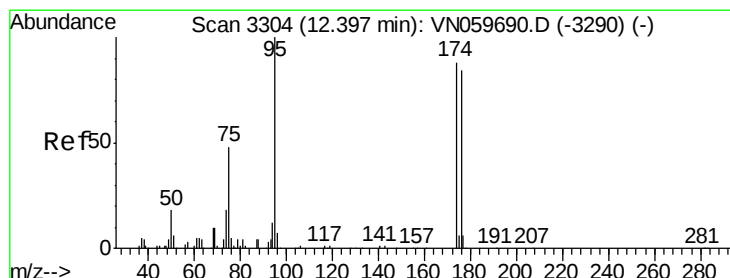
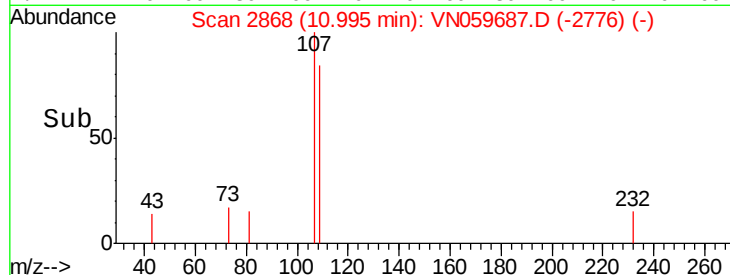
1000

500

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 0.927 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

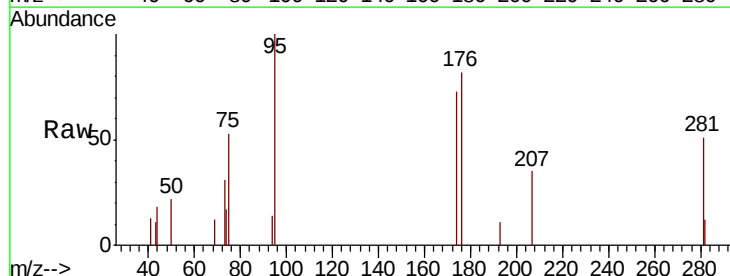
Tgt Ion: 95 Resp: 2640

Ion Ratio Lower Upper

95 100

174 72.3 0.0 151.4

176 77.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

2000

1500

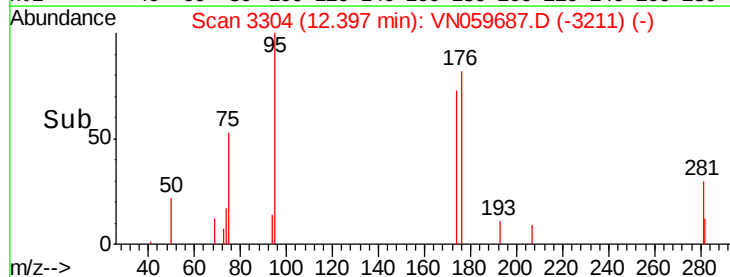
1000

500

0

Time-->

12.35 12.40

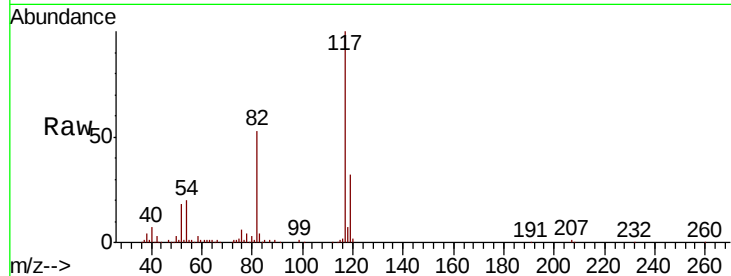




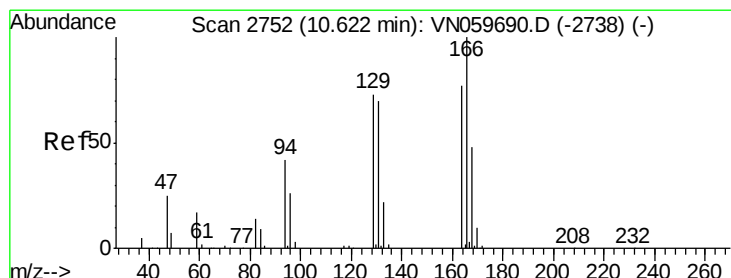
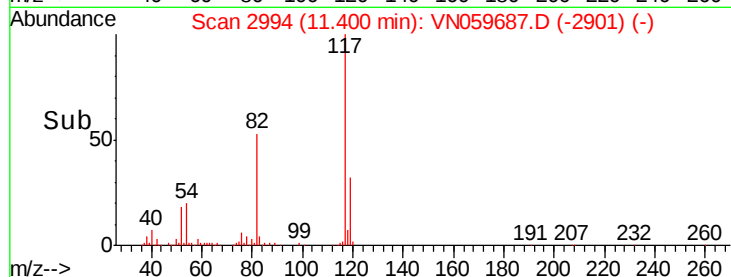
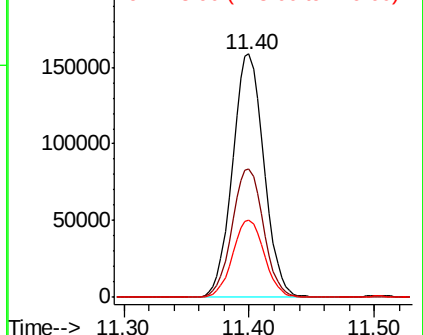
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 276939
Ion Ratio Lower Upper
117 100
82 52.8 45.9 68.9
119 31.9 25.5 38.3

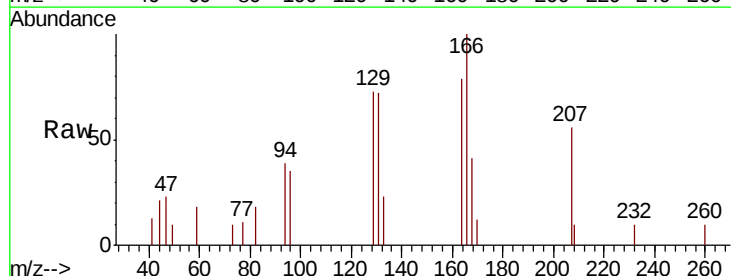


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

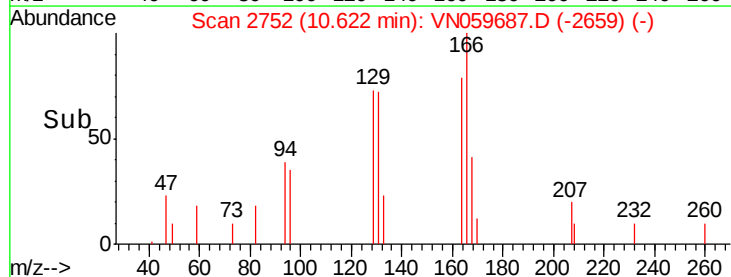
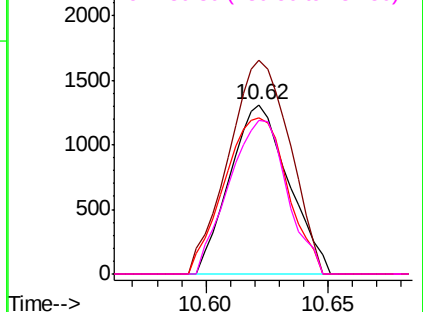


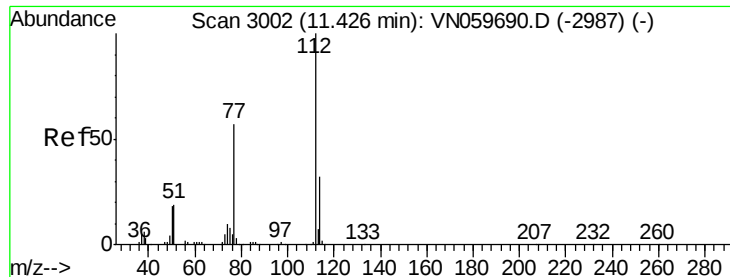
#64
Tetrachloroethene
Concen: 0.846 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion:164 Resp: 2185
Ion Ratio Lower Upper
164 100
166 126.2 101.4 152.0
129 92.1 80.2 120.4
131 91.0 75.0 112.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.874 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

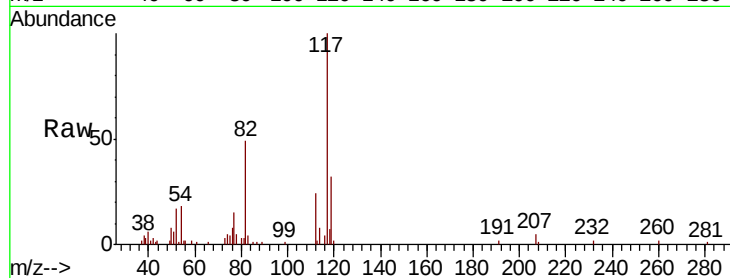
VSTDIC001

Tot Ion:112 Resp: 5238

Ion Ratio Lower Upper

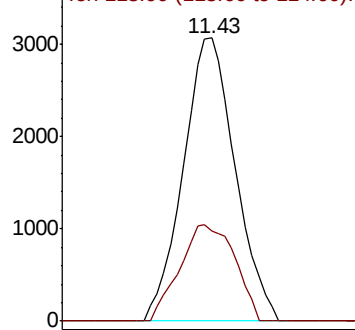
112 100

114 31.8 25.8 38.8

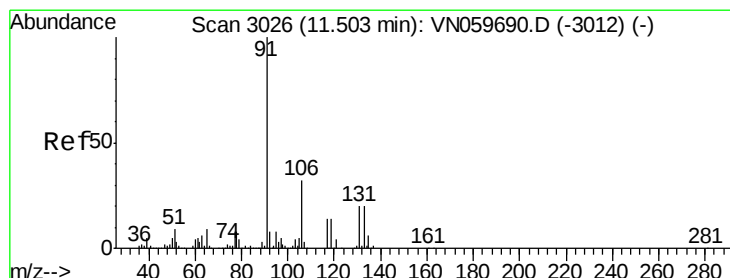
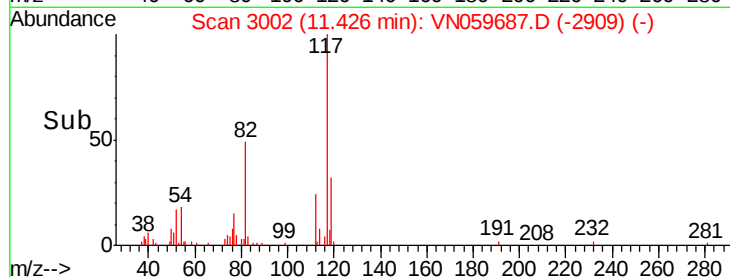


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 0.892 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

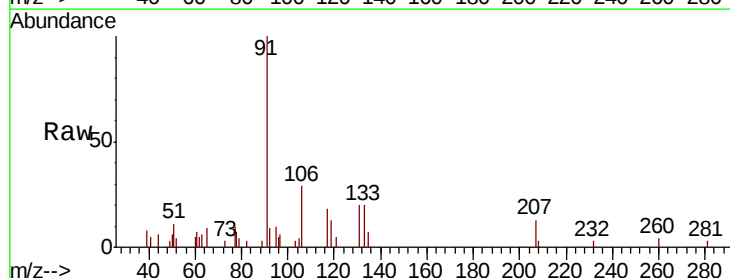
Tgt Ion:131 Resp: 2031

Ion Ratio Lower Upper

131 100

133 112.9 47.4 142.2

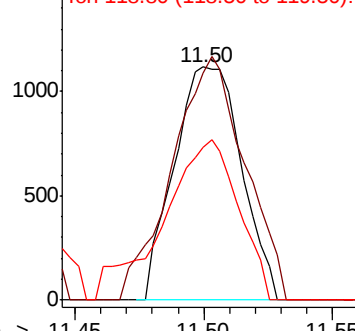
119 0.0 33.1 99.3#



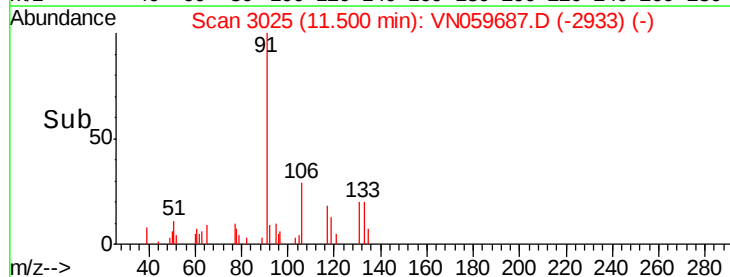
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->

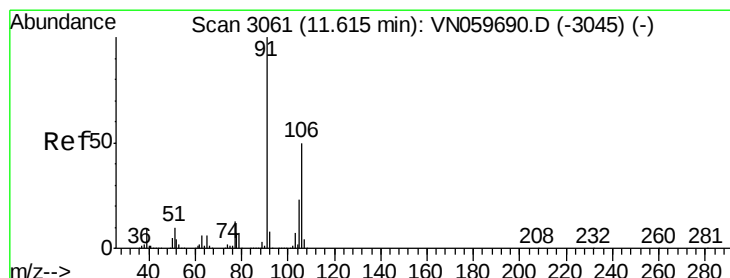
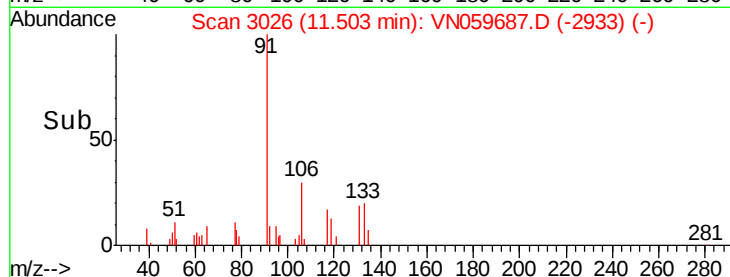
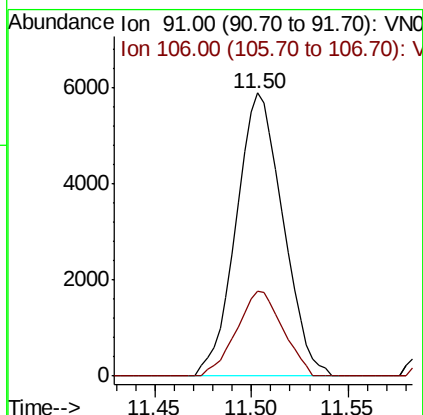
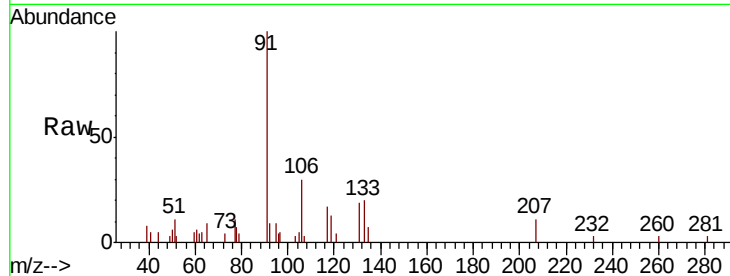




#67
Ethyl Benzene
Concen: 0.916 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

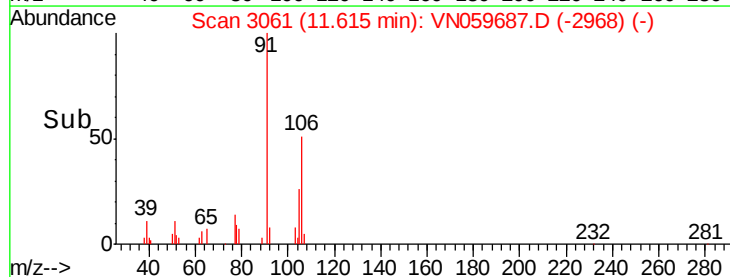
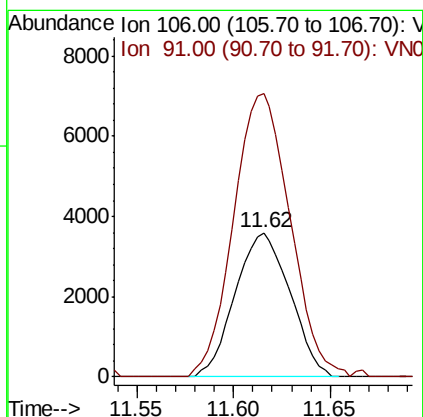
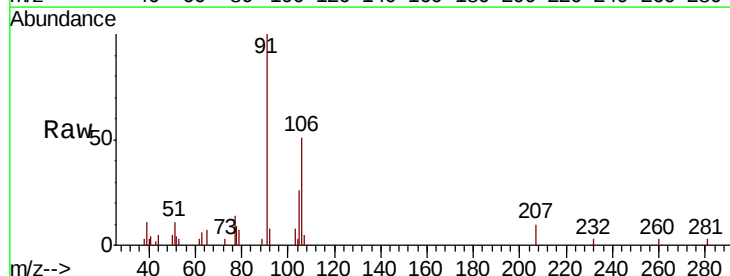
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 91 Resp: 9911
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1



#68
m/p-Xylenes
Concen: 1.779 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 106 Resp: 7104
Ion Ratio Lower Upper
106 100
91 201.8 167.9 251.9

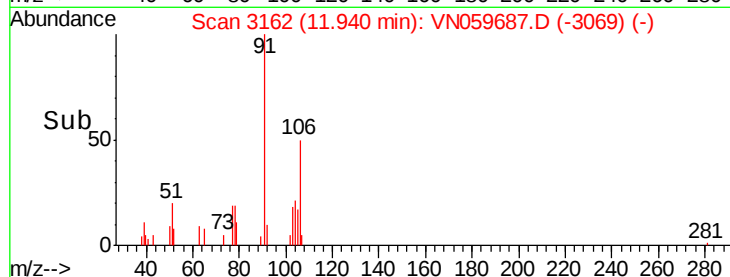
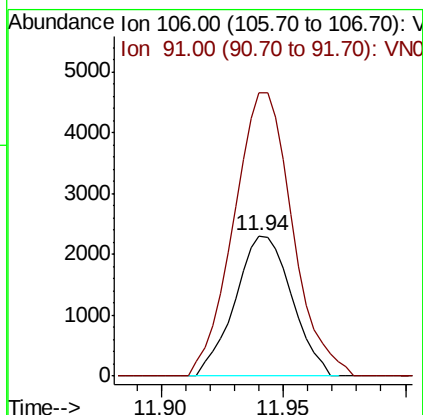
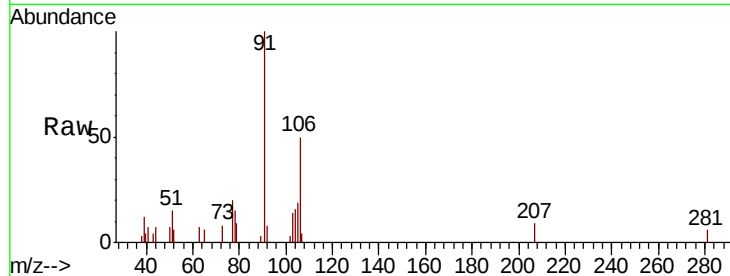




#69
o-Xylene
Concen: 0.977 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

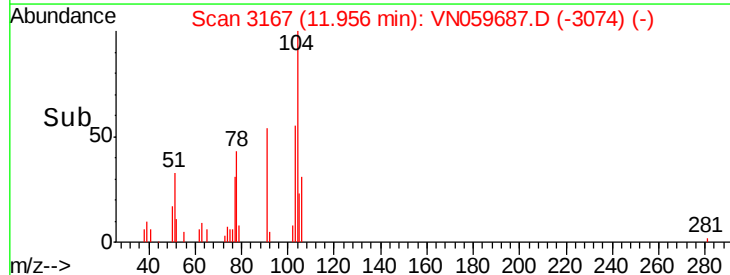
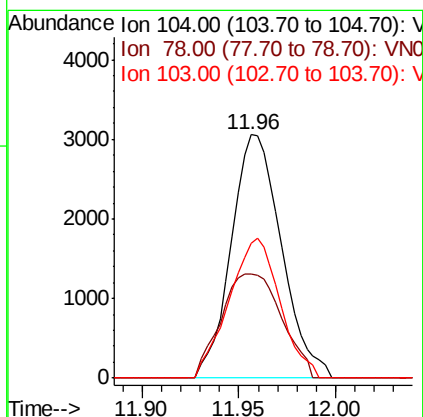
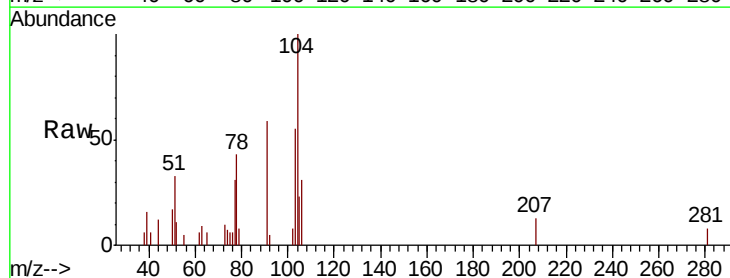
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

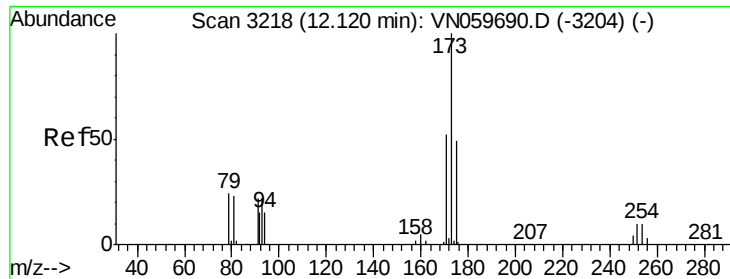
Tot Ion:106 Resp: 3712
Ion Ratio Lower Upper
106 100
91 209.6 110.3 330.9



#70
Styrene
Concen: 0.904 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion:104 Resp: 5519
Ion Ratio Lower Upper
104 100
78 51.5 42.4 63.6
103 58.2 43.9 65.9





#71

Bromoform

Concen: 0.829 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

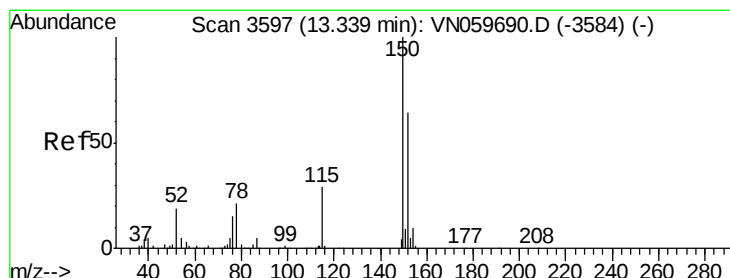
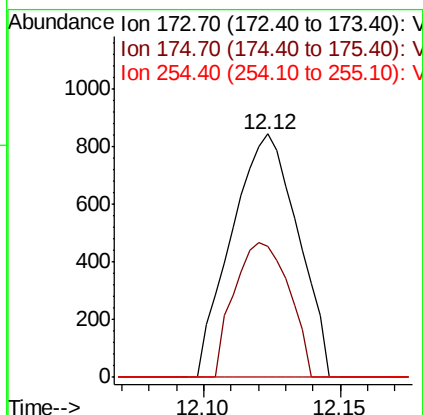
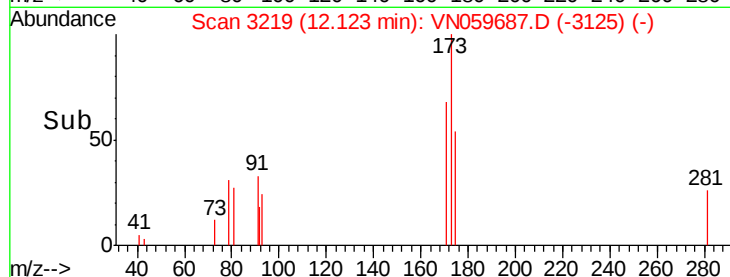
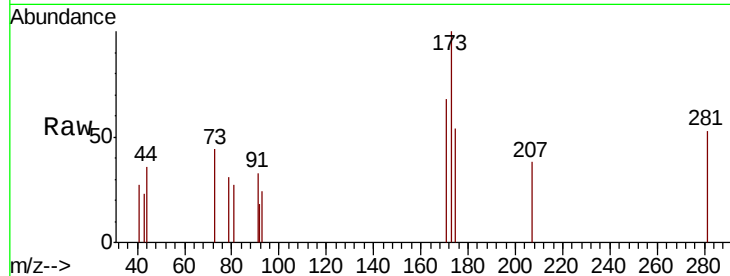
Tot Ion:173 Resp: 1419

Ion Ratio Lower Upper

173 100

175 46.2 23.8 71.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

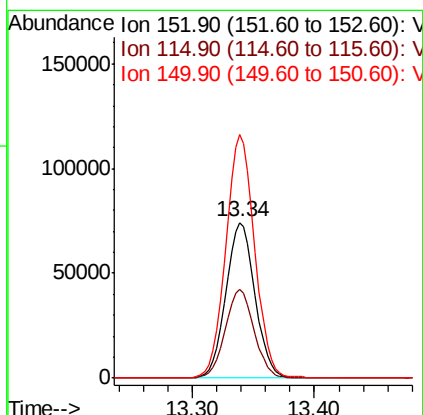
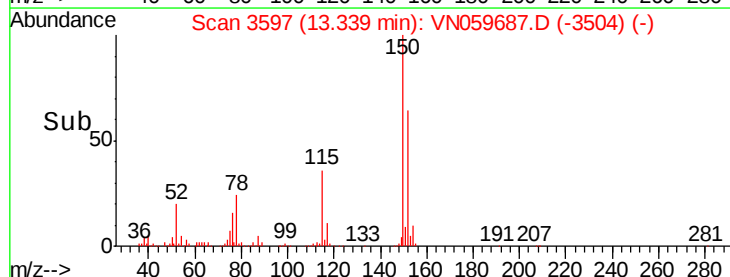
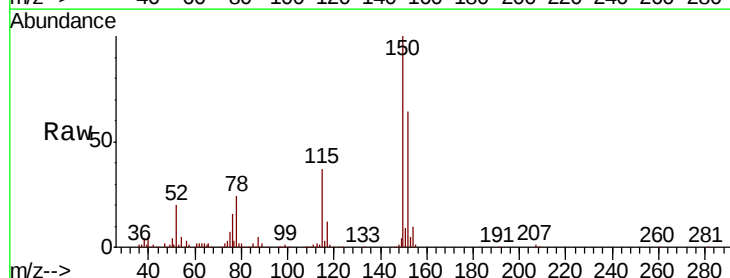
Tgt Ion:152 Resp: 123739

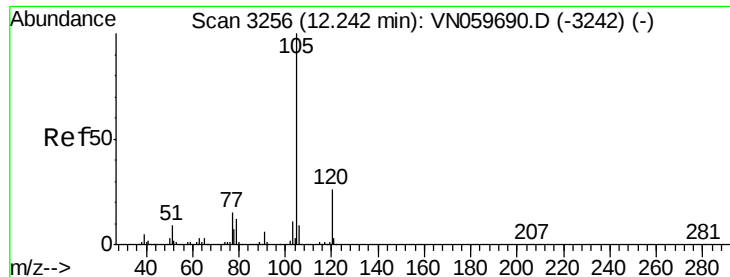
Ion Ratio Lower Upper

152 100

115 56.0 30.3 90.9

150 154.2 0.0 345.2





#73

Isopropylbenzene

Concen: 0.968 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

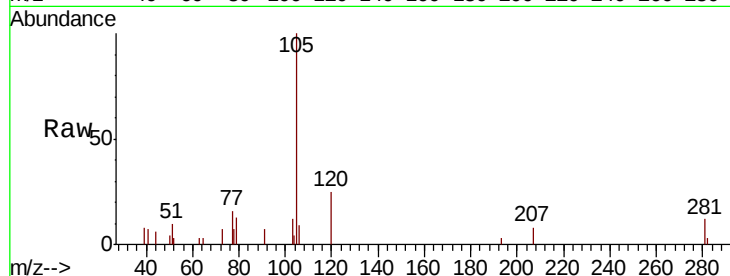
VSTDIC001

Tot Ion:105 Resp: 9402

Ion Ratio Lower Upper

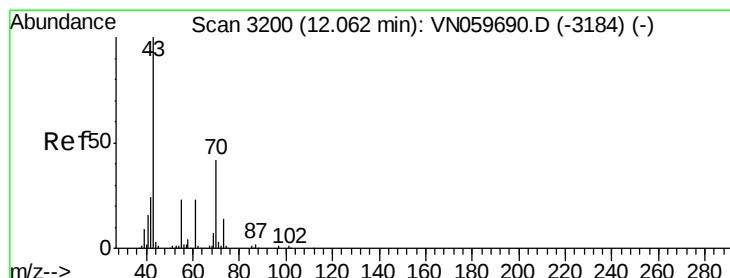
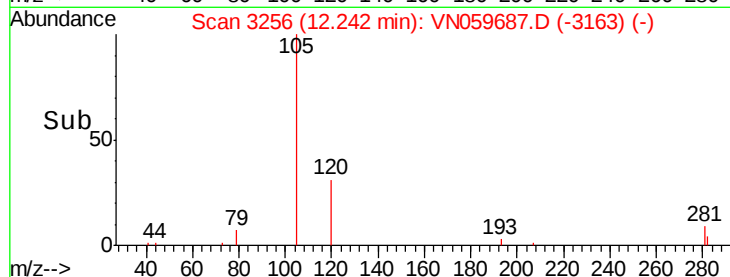
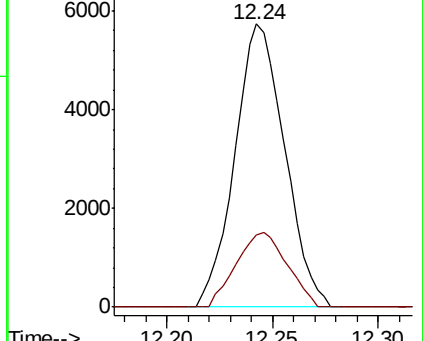
105 100

120 26.9 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.784 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Tgt Ion: 43 Resp: 3492

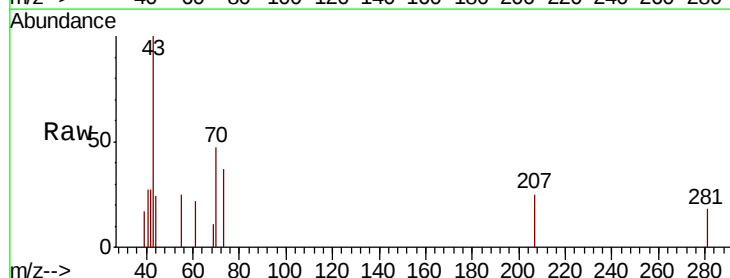
Ion Ratio Lower Upper

43 100

70 39.6 31.3 46.9

55 24.7 19.8 29.6

61 16.2 18.3 27.5#

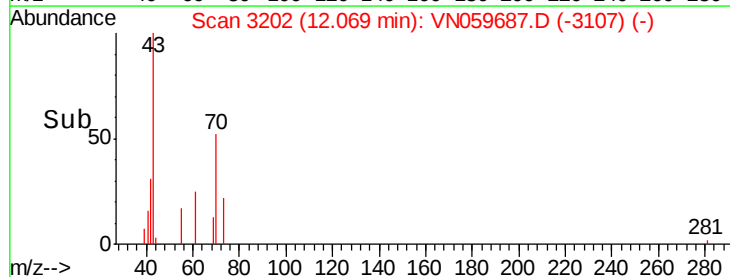
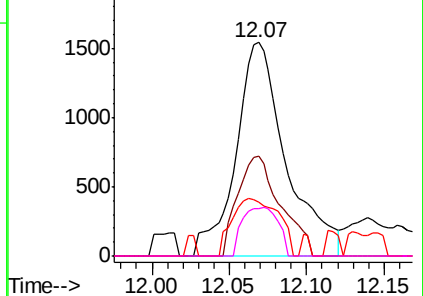


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 0.859 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

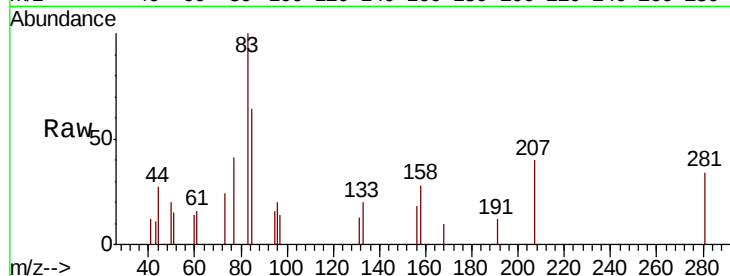
Tot Ion: 83 Resp: 2647

Ion Ratio Lower Upper

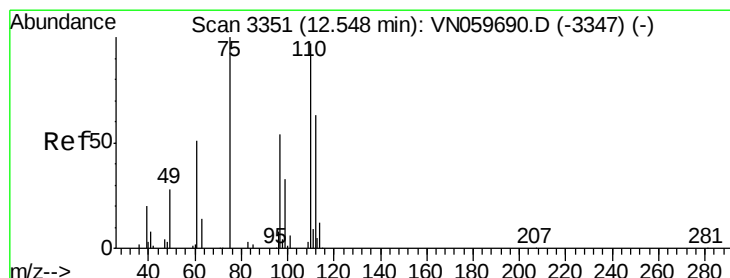
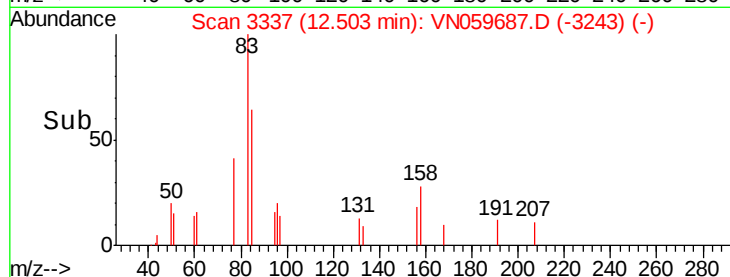
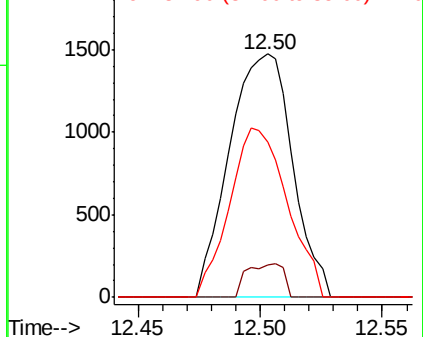
83 100

131 8.0 5.0 14.9

85 63.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 1.054 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059687.D

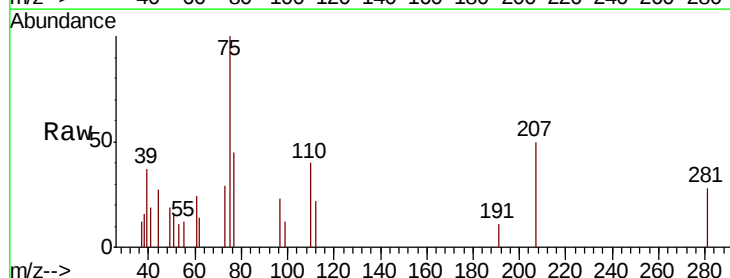
Acq: 13 Jan 2020 13:43

Tgt Ion: 75 Resp: 3229

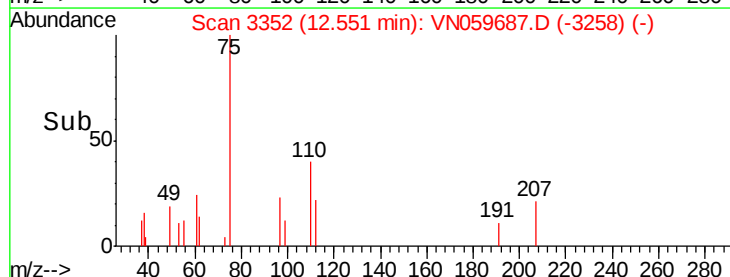
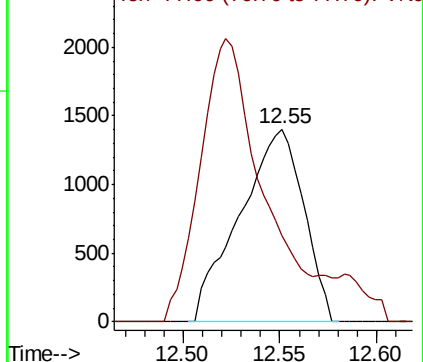
Ion Ratio Lower Upper

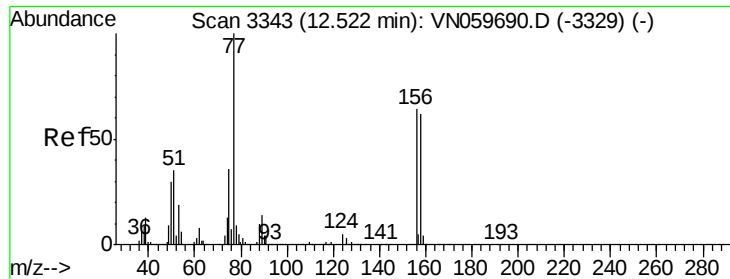
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

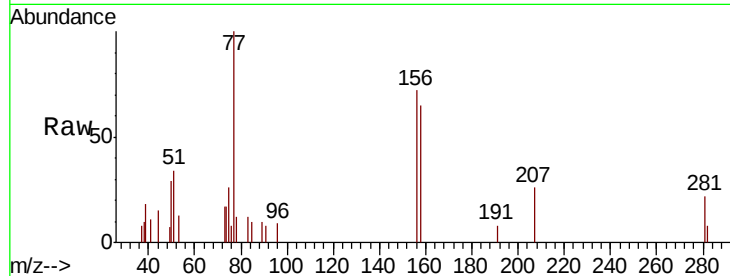




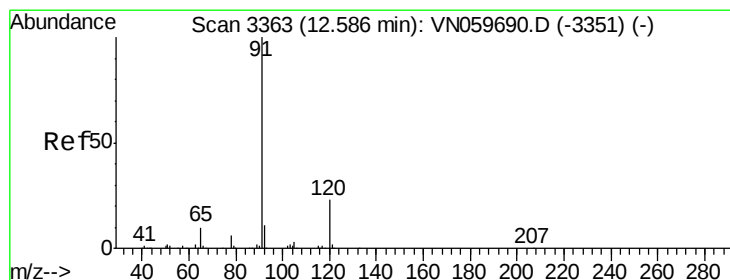
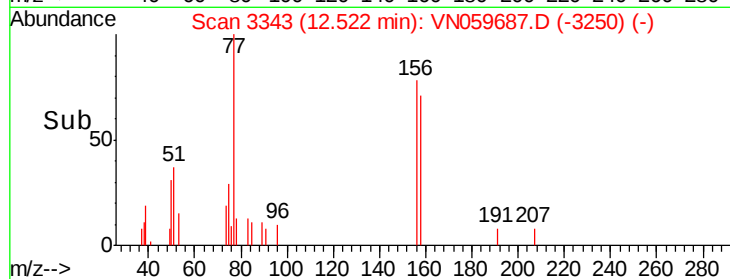
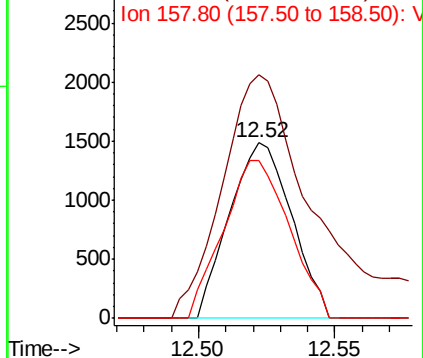
#77
Bromobenzene
Concen: 0.983 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:156 Resp: 2347
Ion Ratio Lower Upper
156 100
77 202.6 115.8 347.4
158 95.4 49.2 147.6

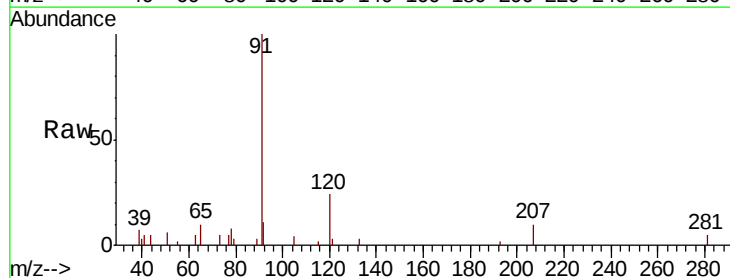


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

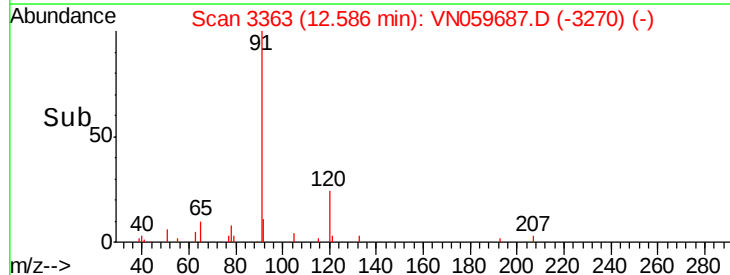
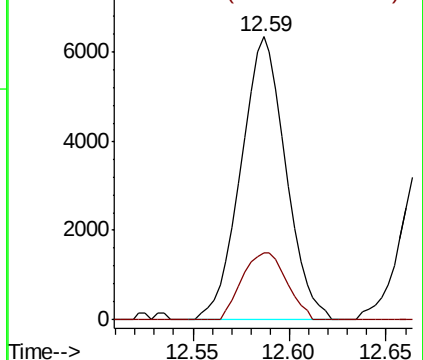


#78
n-propylbenzene
Concen: 0.891 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN059687.D
Acq: 13 Jan 2020 13:43

Tgt Ion: 91 Resp: 10228
Ion Ratio Lower Upper
91 100
120 23.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.911 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

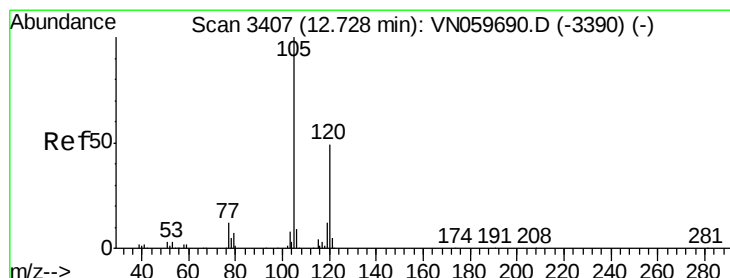
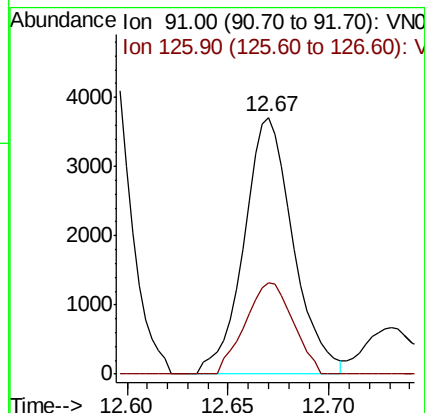
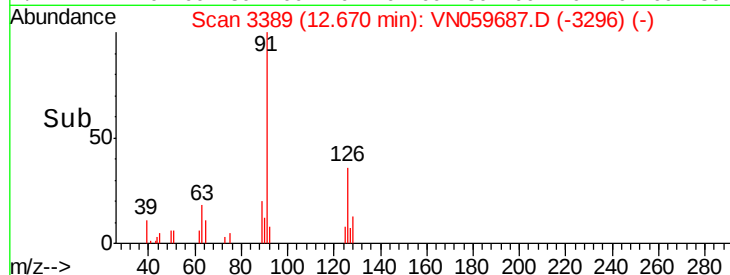
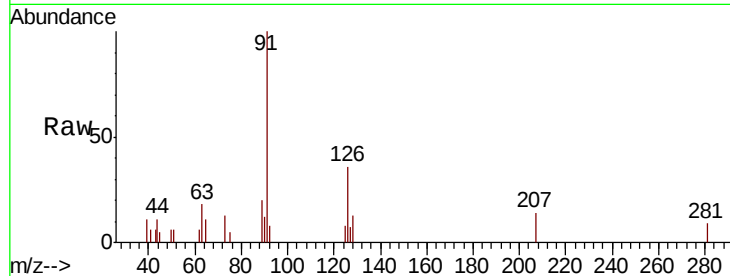
VSTDIC001

Tot Ion: 91 Resp: 6328

Ion Ratio Lower Upper

91 100

126 34.5 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 0.958 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059687.D

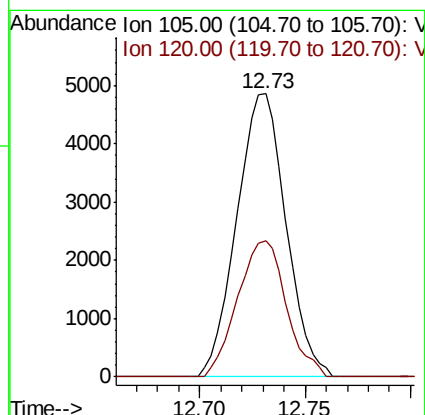
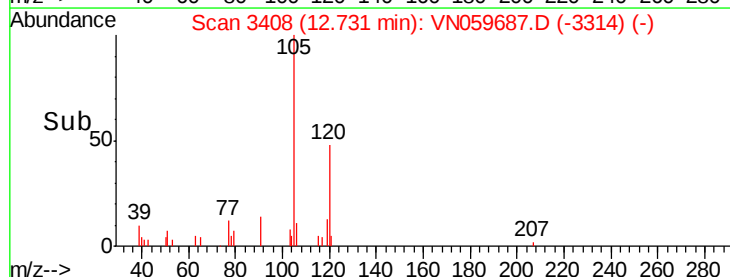
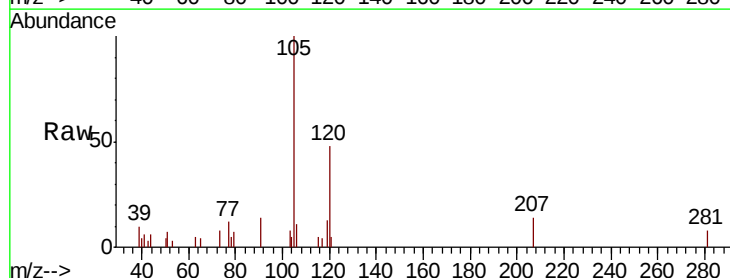
Acq: 13 Jan 2020 13:43

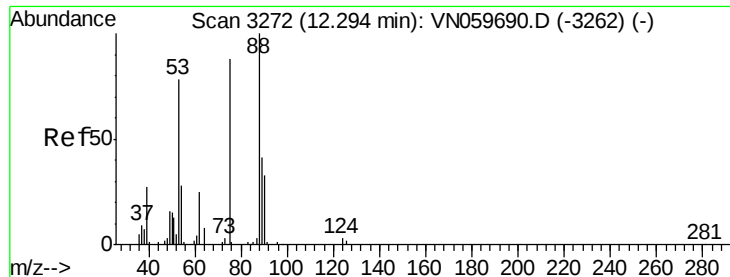
Tgt Ion:105 Resp: 7871

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 0.660 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

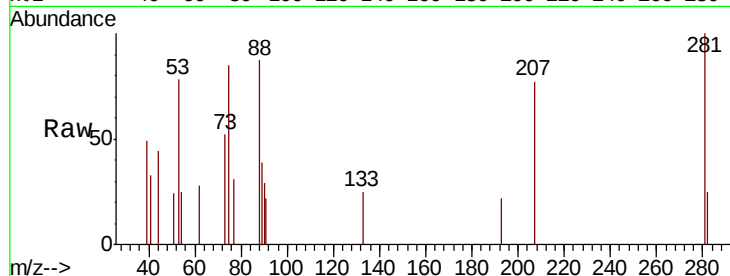
Tot Ion: 75 Resp: 818

Ion Ratio Lower Upper

75 100

53 115.0 78.1 117.1

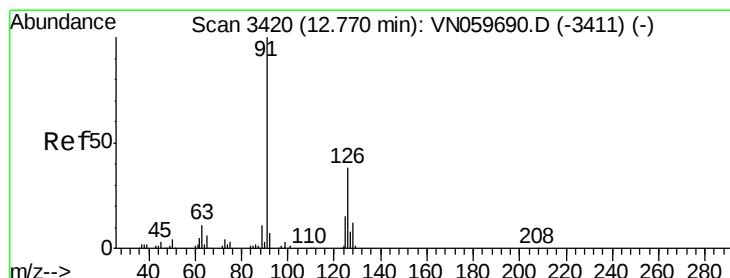
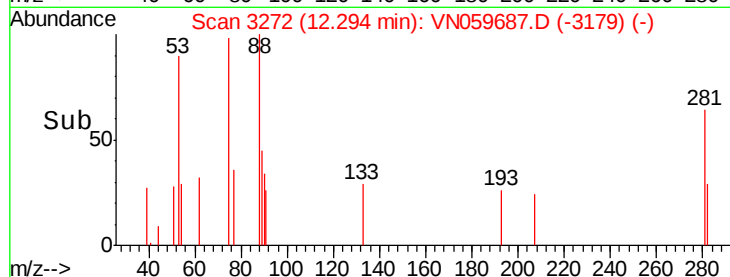
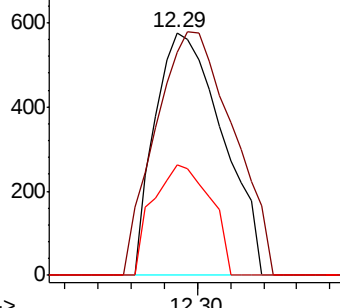
89 38.9 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN059687.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN059687.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN059687.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 0.835 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059687.D

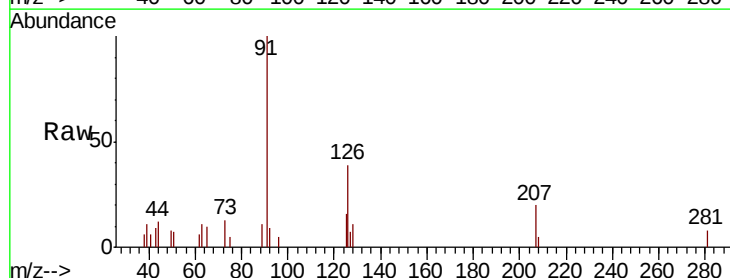
Acq: 13 Jan 2020 13:43

Tgt Ion: 91 Resp: 5933

Ion Ratio Lower Upper

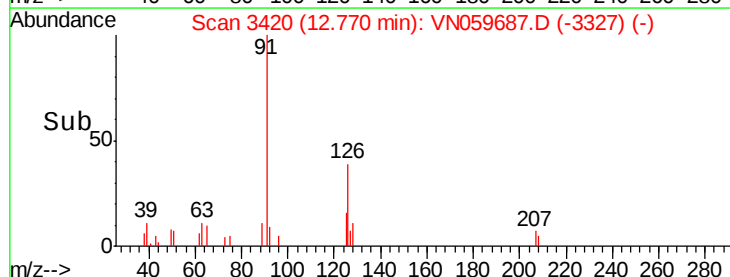
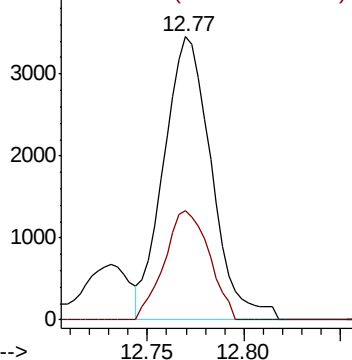
91 100

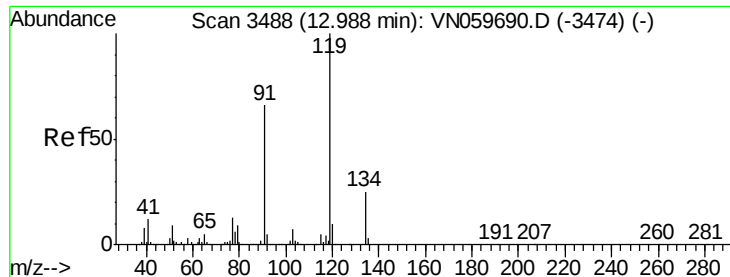
126 36.3 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN059687.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN059687.D (-3327) (-)

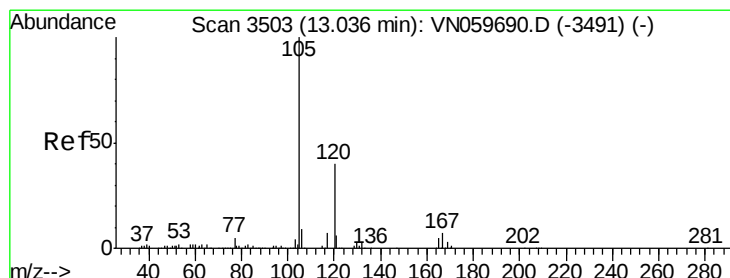
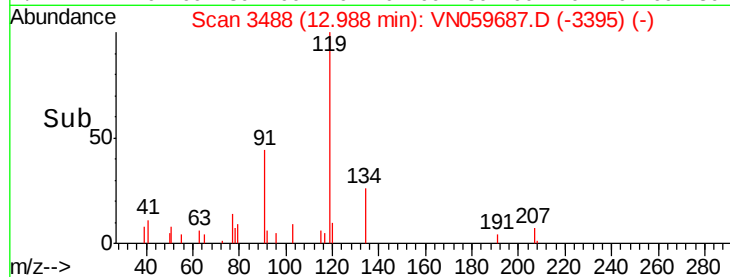
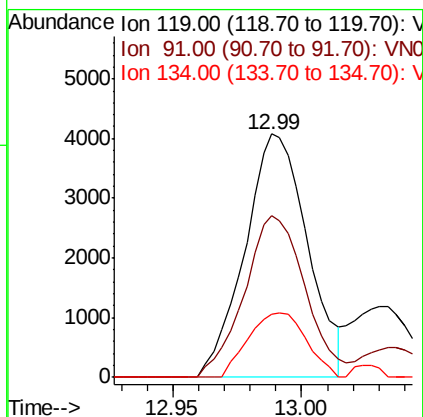
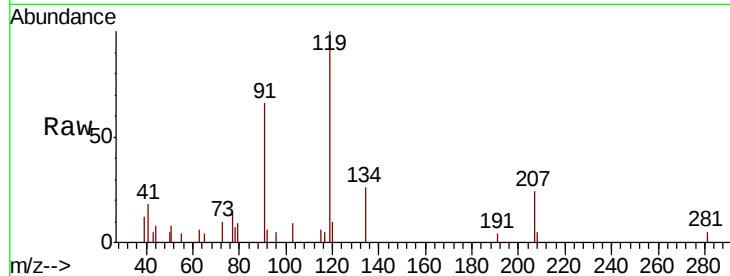




#83
 tert-Butylbenzene
 Concen: 0.991 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

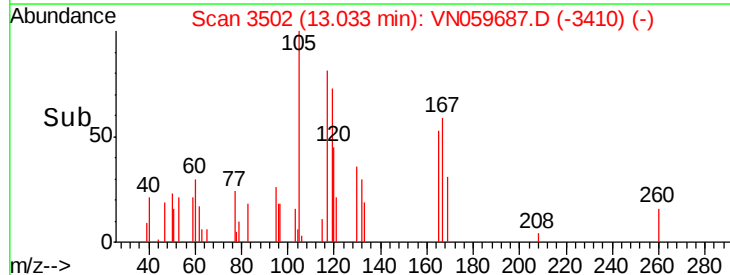
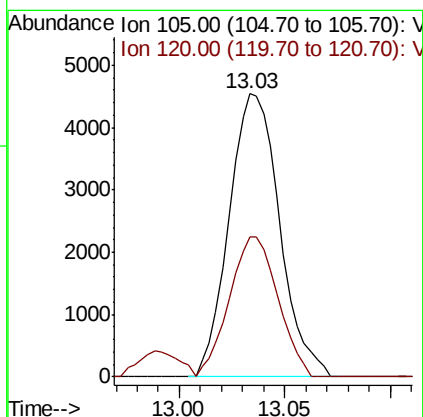
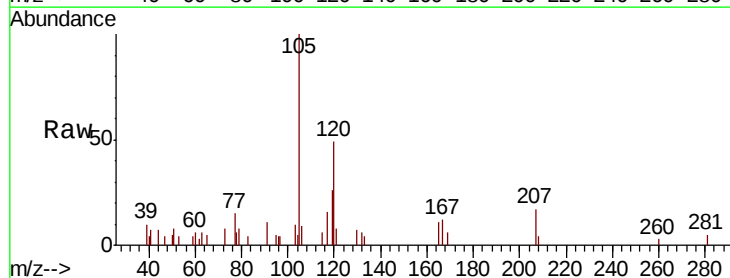
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:119 Resp: 6901
 Ion Ratio Lower Upper
 119 100
 91 64.7 34.8 104.4
 134 24.6 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 0.923 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Tgt Ion:105 Resp: 7544
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.3 66.9

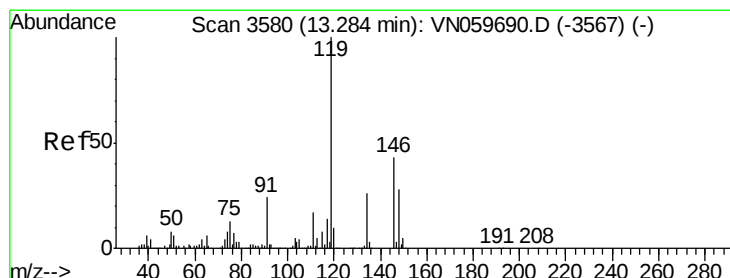
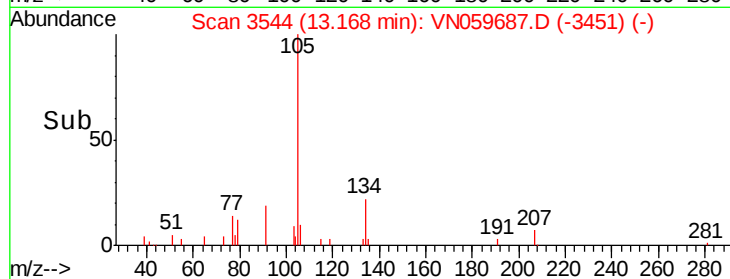
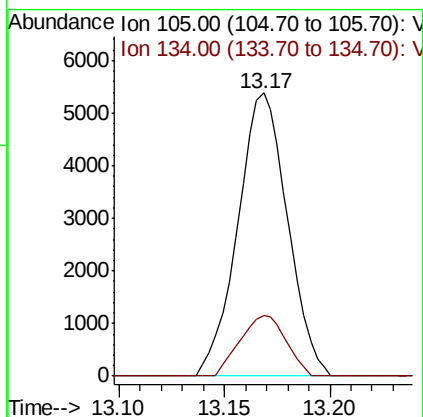
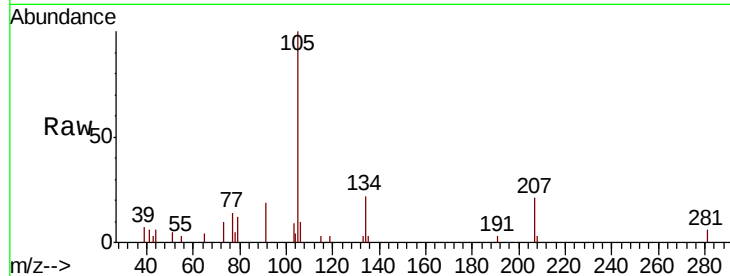




#85
 sec-Butylbenzene
 Concen: 0.952 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

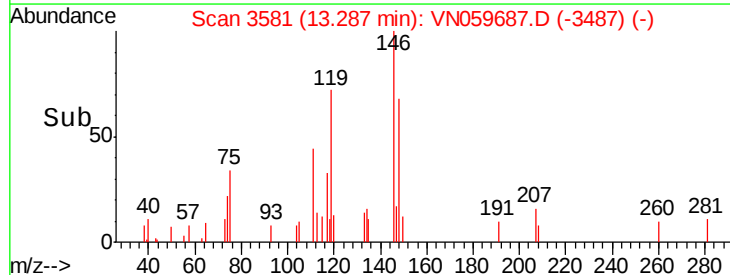
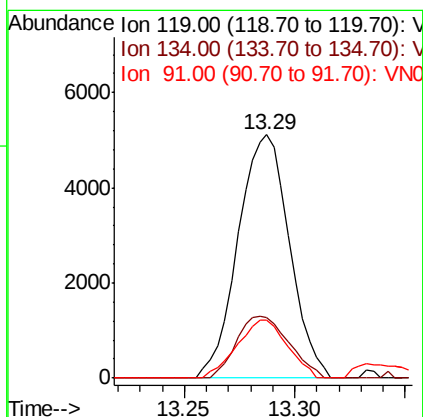
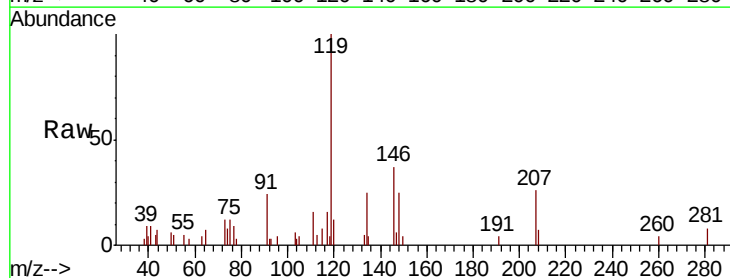
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 8816
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 0.985 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Tgt Ion:119 Resp: 8261
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 23.4 12.4 37.4

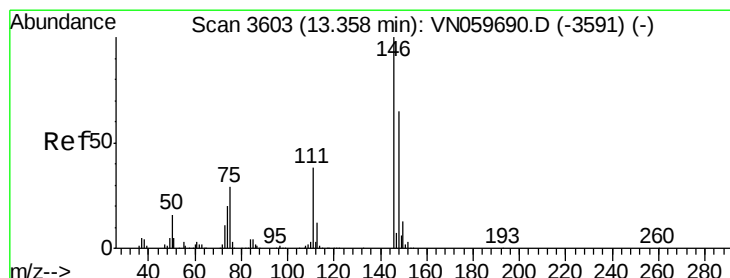
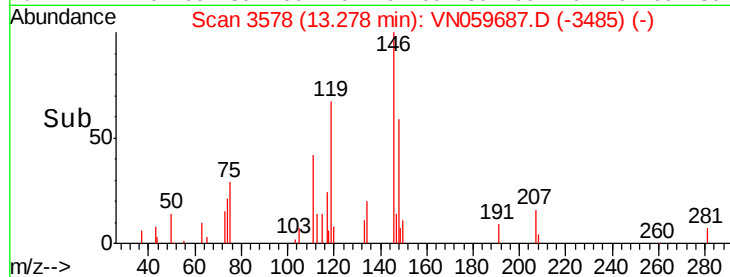
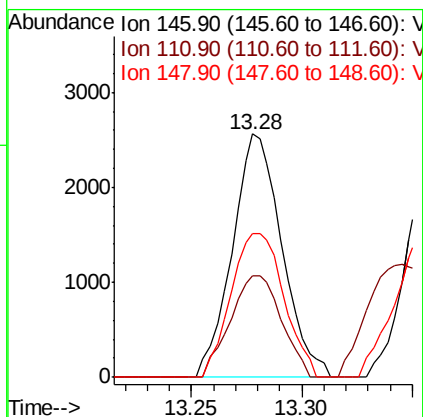
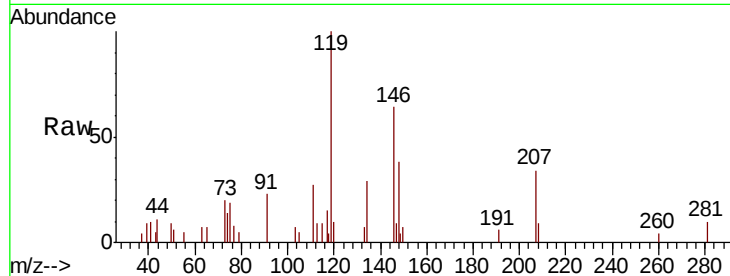




#87
 1,3-Dichlorobenzene
 Concen: 0.908 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

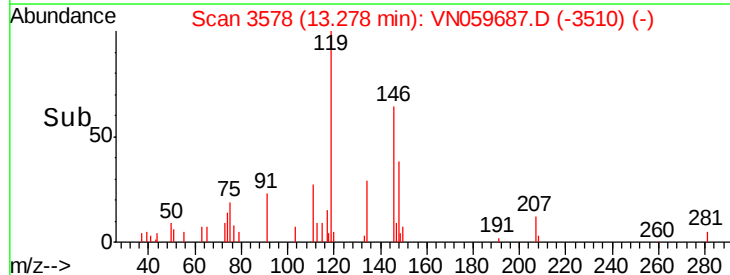
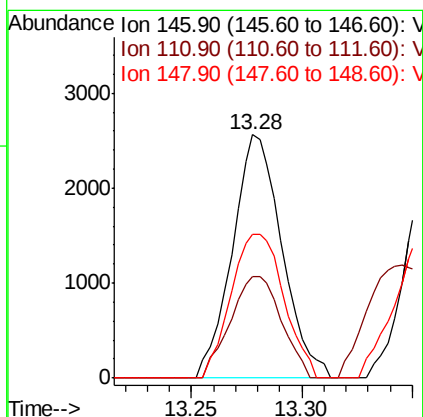
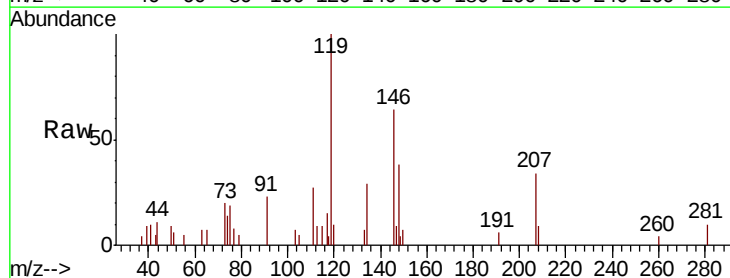
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 3990
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.8 62.2
 148 63.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 0.901 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.08 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Tgt Ion:146 Resp: 3990
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.8 62.2
 148 63.2 31.8 95.4





#89

n-Butylbenzene

Concen: 0.833 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

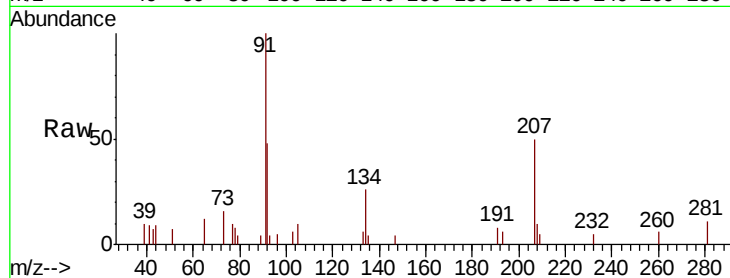
Tot Ion: 91 Resp: 6547

Ion Ratio Lower Upper

91 100

92 49.5 25.9 77.7

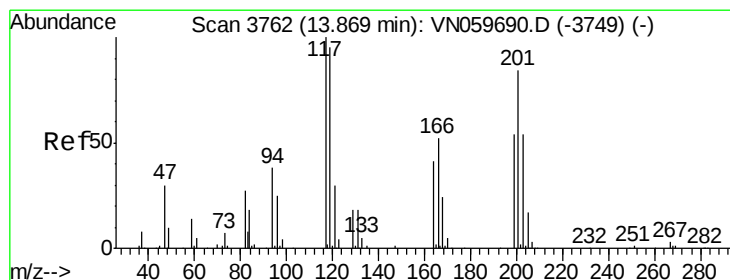
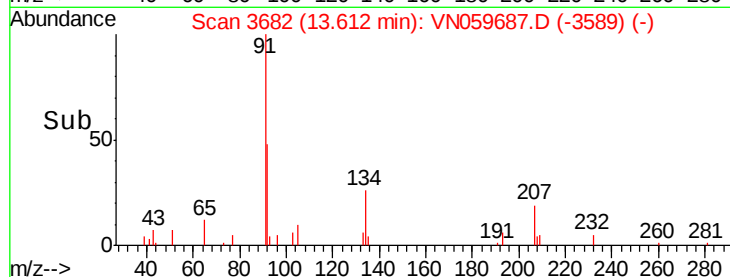
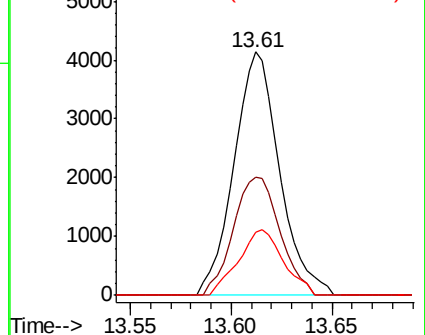
134 26.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN059690.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN059690.D (-3667) (-)



#90

Hexachloroethane

Concen: 0.952 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059687.D

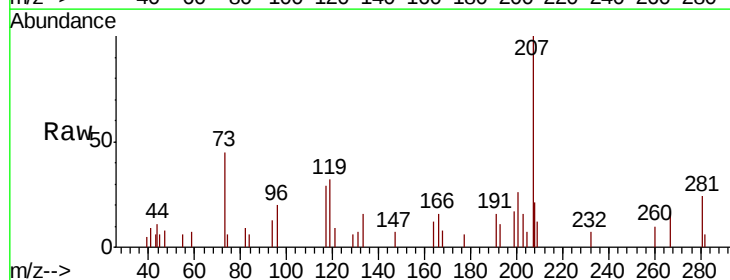
Acq: 13 Jan 2020 13:43

Tgt Ion: 117 Resp: 1509

Ion Ratio Lower Upper

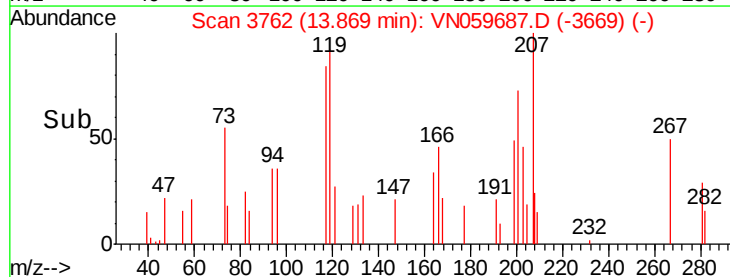
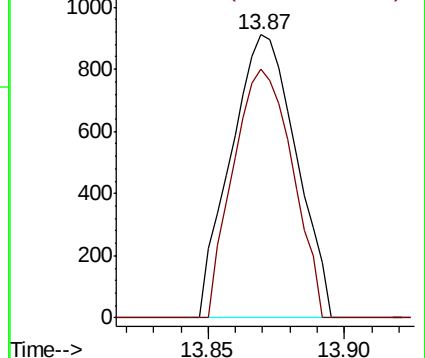
117 100

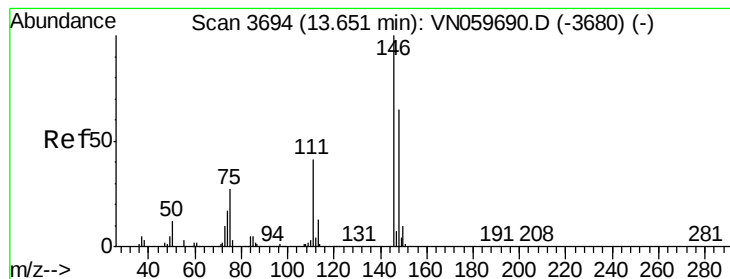
201 79.8 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059690.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 0.919 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

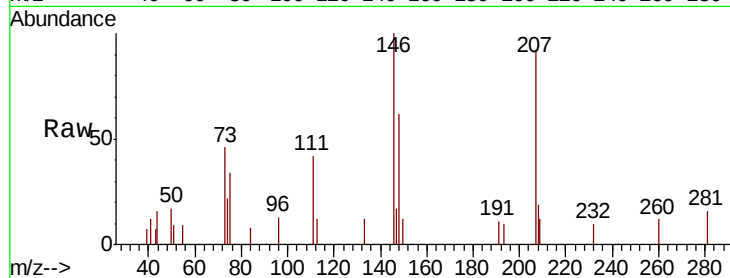
Tot Ion:146 Resp: 3979

Ion Ratio Lower Upper

146 100

111 40.5 21.6 64.8

148 65.7 31.6 95.0

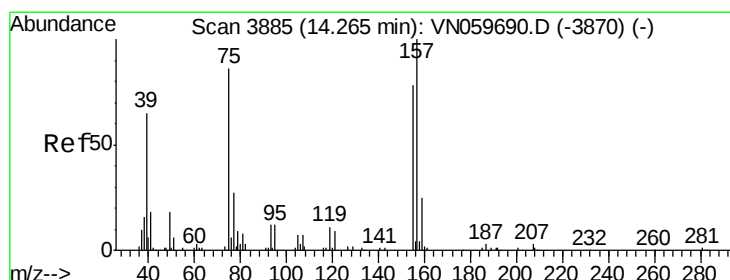
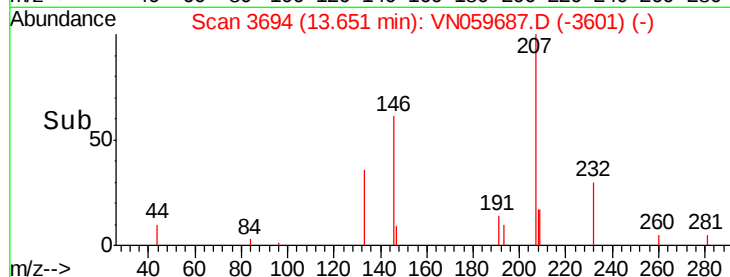
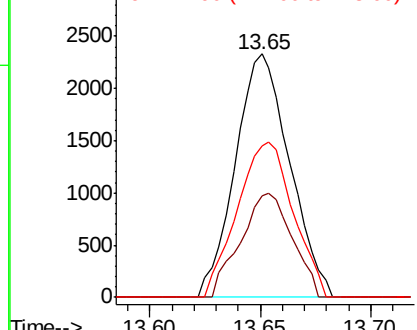


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.199 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

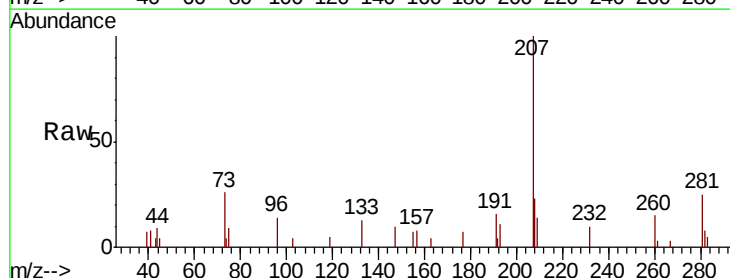
Tgt Ion: 75 Resp: 1088

Ion Ratio Lower Upper

75 100

155 35.2 37.0 110.9#

157 54.5 48.4 145.2

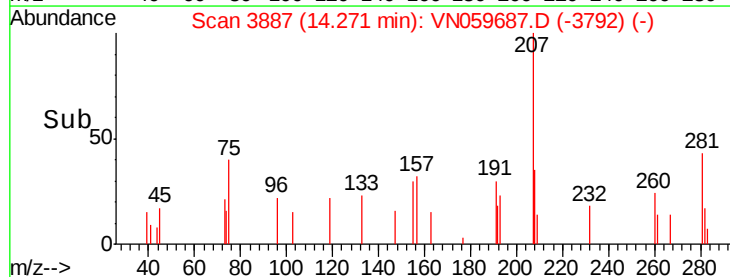
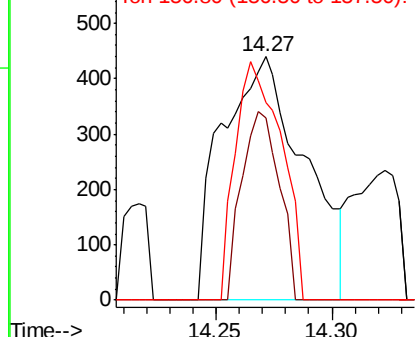


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

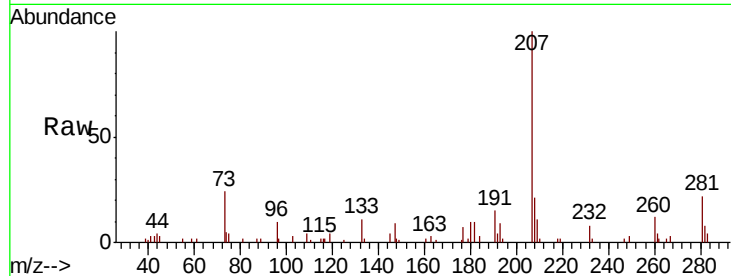




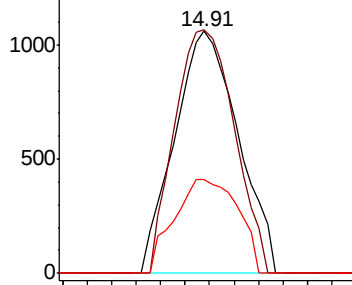
#93
 1,2,4-Trichlorobenzene
 Concen: 0.684 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

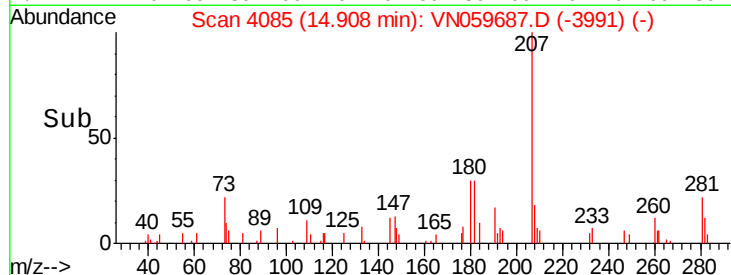
Tot Ion:180 Resp: 1914
 Ion Ratio Lower Upper
 180 100
 182 95.0 46.9 140.7
 145 39.0 15.0 45.1



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

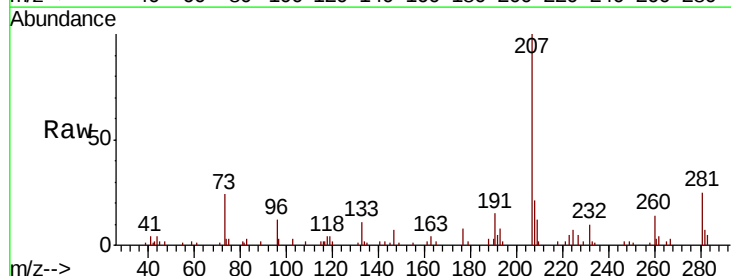


Time--> 14.85 14.90 14.95

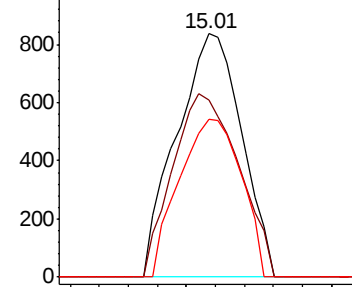


#94
 Hexachlorobutadiene
 Concen: 0.870 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059687.D
 Acq: 13 Jan 2020 13:43

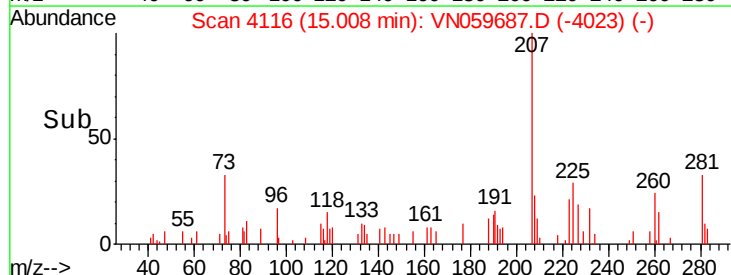
Tgt Ion:225 Resp: 1303
 Ion Ratio Lower Upper
 225 100
 223 76.6 31.8 95.3
 227 62.2 32.1 96.5



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



Time--> 15.00 15.05





#95

Naphthalene

Concen: 0.649 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

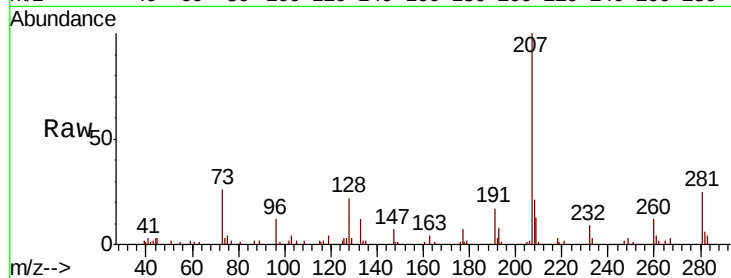
Tot Ion:128 Resp: 5419

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 9.6 8.6 12.8

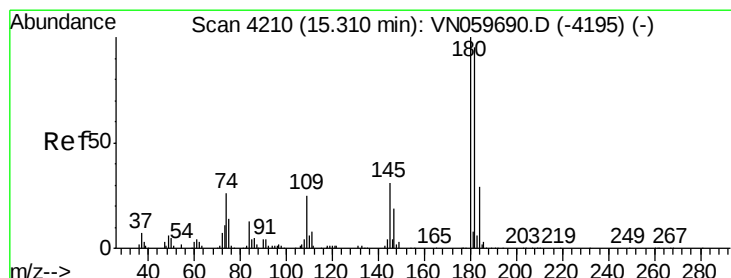
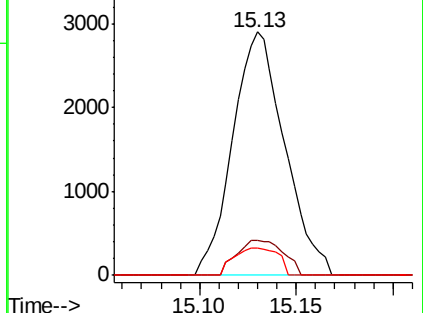
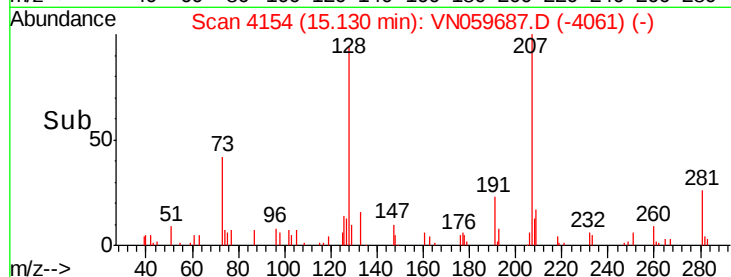


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.705 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059687.D

Acq: 13 Jan 2020 13:43

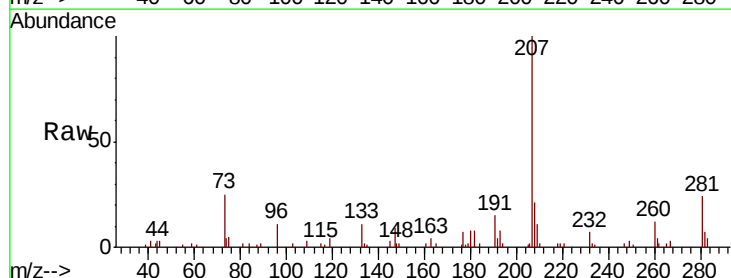
Tgt Ion:180 Resp: 1994

Ion Ratio Lower Upper

180 100

182 97.6 47.4 142.3

145 46.6 16.3 48.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

