

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059448.D
 Acq On : 29 Nov 2019 15:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 22:28:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	378362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579597	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	524587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246642	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	222800	50.27	ug/l	0.00
Spiked Amount						
			Recovery	=	100.54%	
35) Dibromofluoromethane	7.57	113	180791	51.21	ug/l	0.00
Spiked Amount						
			Recovery	=	102.42%	
50) Toluene-d8	10.08	98	724504	51.50	ug/l	0.00
Spiked Amount						
			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	256792	52.43	ug/l	0.00
Spiked Amount						
			Recovery	=	104.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	218341	49.029	ug/l	99
3) Chloromethane	2.04	50	254454	46.778	ug/l	99
4) Vinyl Chloride	2.17	62	245200	46.908	ug/l	99
5) Bromomethane	2.55	94	140499	44.642	ug/l	97
6) Chloroethane	2.68	64	137998	47.085	ug/l	98
7) Trichlorofluoromethane	3.00	101	301510	48.426	ug/l	97
8) Diethyl Ether	3.39	74	119103	47.003	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185457	48.363	ug/l	99
10) Methyl Iodide	3.93	142	243851	48.856	ug/l	99
11) Tert butyl alcohol	4.76	59	182350	237.497	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	180256	47.999	ug/l	95
13) Acrolein	3.58	56	181743	242.485	ug/l	99
14) Allyl chloride	4.30	41	330059	47.389	ug/l	98
15) Acrylonitrile	4.96	53	532408	248.849	ug/l	100
16) Acetone	3.79	43	523519	247.942	ug/l	99
17) Carbon Disulfide	4.03	76	578050	44.855	ug/l	100
18) Methyl Acetate	4.30	43	267656	46.549	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	593929	49.079	ug/l	99
20) Methylene Chloride	4.52	84	200853	46.815	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	195146	47.695	ug/l	97
22) Diisopropyl ether	5.93	45	642111	49.610	ug/l	98
23) Vinyl Acetate	5.87	43	2627419	251.622	ug/l	99
24) 1,1-Dichloroethane	5.82	63	363513	48.814	ug/l	99
25) 2-Butanone	6.81	43	724110	249.288	ug/l	99
26) 2,2-Dichloropropane	6.80	77	307022	48.445	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	218417	48.810	ug/l	99
28) Bromochloromethane	7.17	49	153700	48.283	ug/l	100
29) Tetrahydrofuran	7.19	42	479035	247.965	ug/l	99
30) Chloroform	7.35	83	346595	46.251	ug/l	99
31) Cyclohexane	7.63	56	344346	46.126	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	301183	49.147	ug/l	100
36) 1,1-Dichloropropene	7.77	75	272025	48.805	ug/l	99
37) Ethyl Acetate	6.90	43	286727	48.622	ug/l	99
38) Carbon Tetrachloride	7.75	117	264874	50.355	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059448.D
 Acq On : 29 Nov 2019 15:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 22:28:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	336778	50.506	ug/l	100
40) Benzene	8.02	78	812448	49.093	ug/l	99
41) Methacrylonitrile	7.18	41	411790	149.965	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	264658	50.434	ug/l	100
43) Isopropyl Acetate	8.15	43	452372	50.496	ug/l	100
44) Trichloroethene	8.82	130	210550	49.897	ug/l	99
45) 1,2-Dichloropropane	9.10	63	216070	49.915	ug/l	100
46) Dibromomethane	9.20	93	132647	49.656	ug/l	99
47) Bromodichloromethane	9.39	83	267124	49.441	ug/l	98
48) Methyl methacrylate	9.19	41	198761	50.009	ug/l	99
49) 1,4-Dioxane	9.19	88	59727	1028.928	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1387289	266.976	ug/l	100
52) Toluene	10.15	92	491480	49.710	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	312363	50.314	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	342125	51.050	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	192207	49.668	ug/l	99
56) Ethyl methacrylate	10.42	69	298752	54.401	ug/l	99
57) 1,3-Dichloropropane	10.70	76	331432	49.553	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	550824	332.202	ug/l	100
59) 2-Hexanone	10.74	43	1018957	264.447	ug/l	99
60) Dibromochloromethane	10.90	129	208126	51.523	ug/l	100
61) 1,2-Dibromoethane	11.00	107	199700	50.359	ug/l	100
64) Tetrachloroethene	10.63	164	201490	51.929	ug/l	98
65) Chlorobenzene	11.43	112	512011	48.212	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	190098	49.360	ug/l	100
67) Ethyl Benzene	11.51	91	930566	49.886	ug/l	99
68) m/p-Xylenes	11.62	106	695898	99.920	ug/l	99
69) o-Xylene	11.95	106	329939	49.397	ug/l	99
70) Styrene	11.96	104	536497	53.193	ug/l	100
71) Bromoform	12.13	173	151190	51.557	ug/l #	99
73) Isopropylbenzene	12.25	105	890481	48.736	ug/l	100
74) N-amyl acetate	12.07	43	352874	54.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	281659	47.270	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	380235	68.146	ug/l #	100
77) Bromobenzene	12.53	156	215359	48.142	ug/l	100
78) n-propylbenzene	12.59	91	1035097	49.160	ug/l	100
79) 2-Chlorotoluene	12.67	91	607168	48.233	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	748960	48.764	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	106425	49.009	ug/l	99
82) 4-Chlorotoluene	12.77	91	626832	48.397	ug/l	99
83) tert-Butylbenzene	12.99	119	633785	48.057	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	736392	48.944	ug/l	99
85) sec-Butylbenzene	13.17	105	861141	49.170	ug/l	100
86) p-Isopropyltoluene	13.29	119	776039	49.015	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	377830	47.659	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	372229	46.768	ug/l	100
89) n-Butylbenzene	13.62	91	664352	48.001	ug/l	99
90) Hexachloroethane	13.88	117	143290	47.350	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	363105	46.743	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54934	53.388	ug/l	99

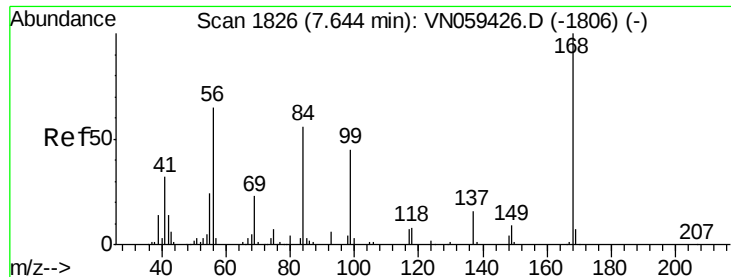
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
Data File : VN059448.D
Acq On : 29 Nov 2019 15:07
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 29 22:28:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:56:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	215925	44.716	ug/l	100
94) Hexachlorobutadiene	15.01	225	131989	44.602	ug/l	100
95) Naphthalene	15.13	128	544911	50.673	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	212687	51.701	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

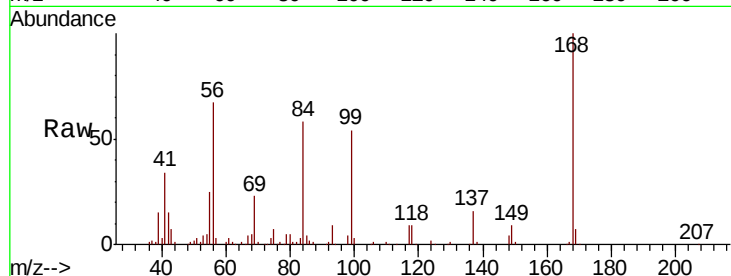
ClientSampleId :

Tot Ion:168 Resp: 378362

Ion Ratio Lower Upper

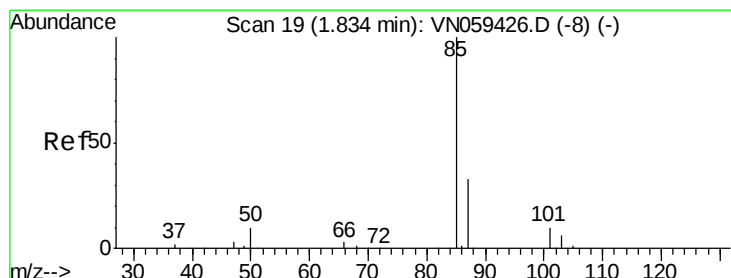
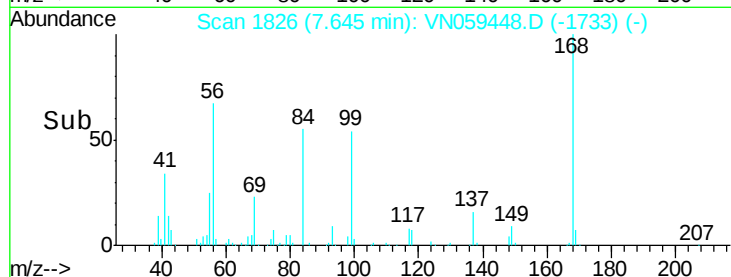
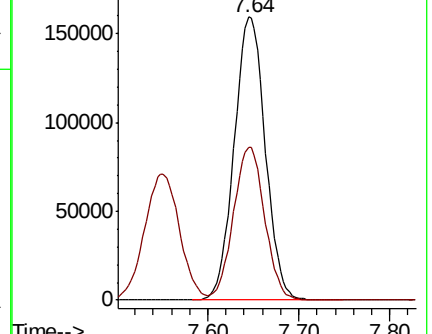
168 100

99 54.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.029 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059448.D

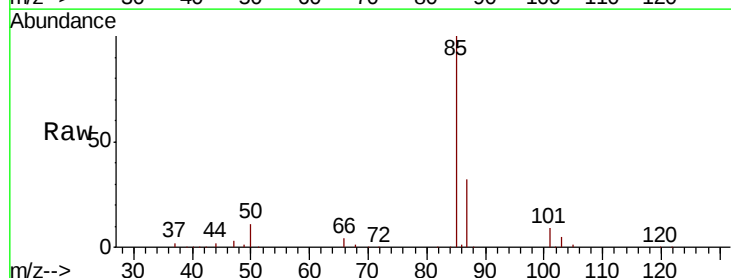
Acq: 29 Nov 2019 15:07

Tgt Ion: 85 Resp: 218341

Ion Ratio Lower Upper

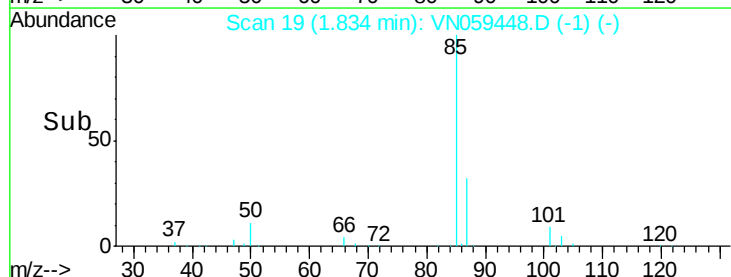
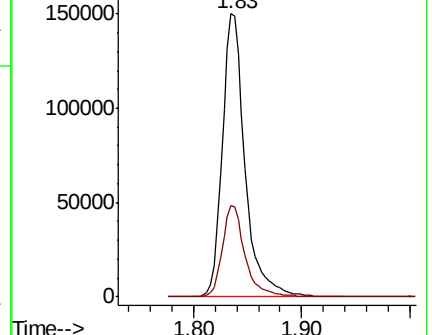
85 100

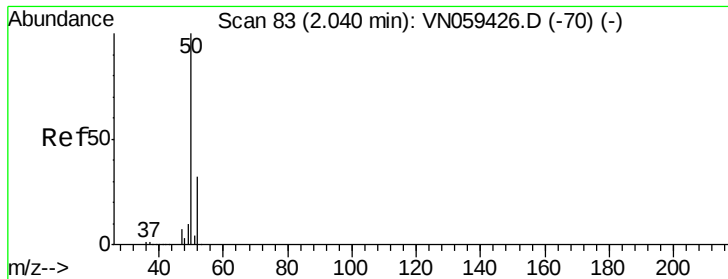
87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.778 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

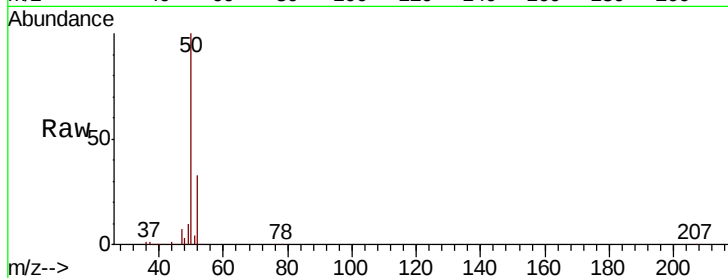
ClientSampleId :

Tot Ion: 50 Resp: 254454

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

200000

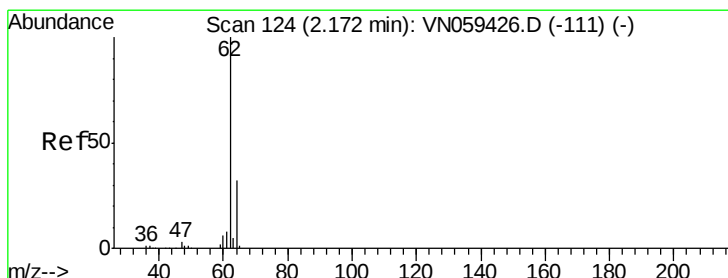
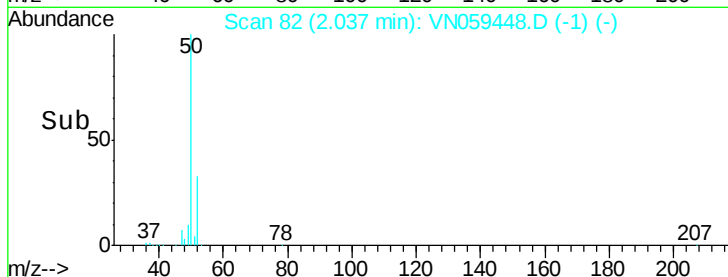
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.908 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059448.D

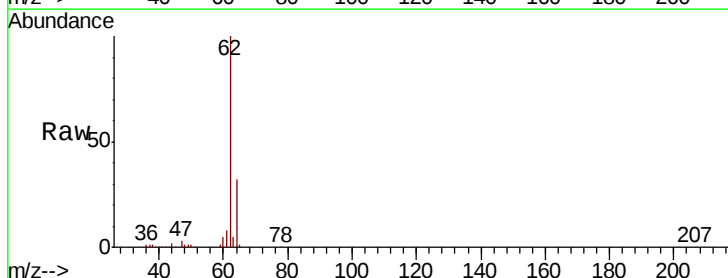
Acq: 29 Nov 2019 15:07

Tgt Ion: 62 Resp: 245200

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

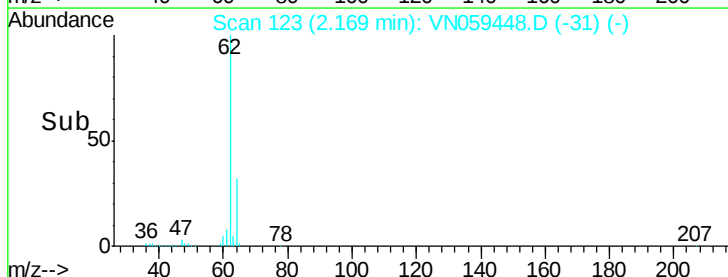
150000

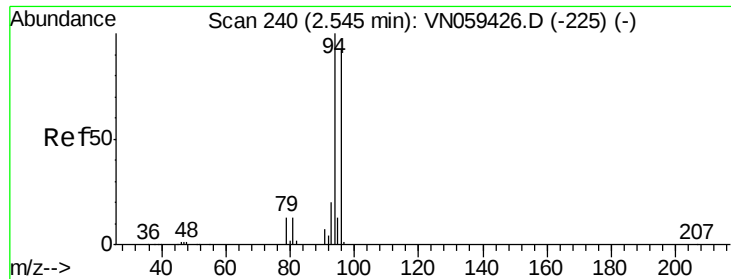
100000

50000

0

Time-->





#5

Bromomethane

Concen: 44.642 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

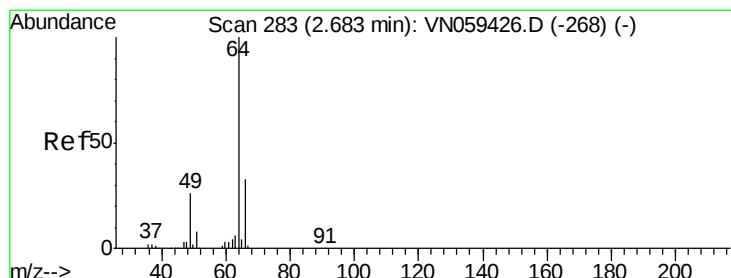
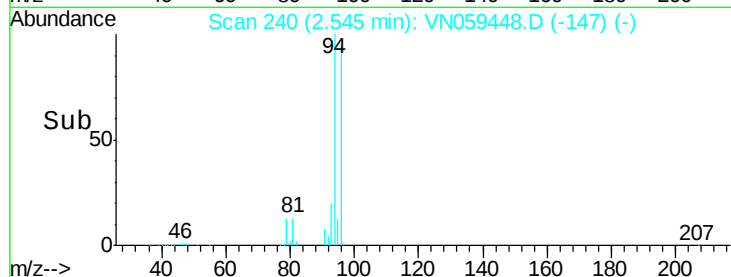
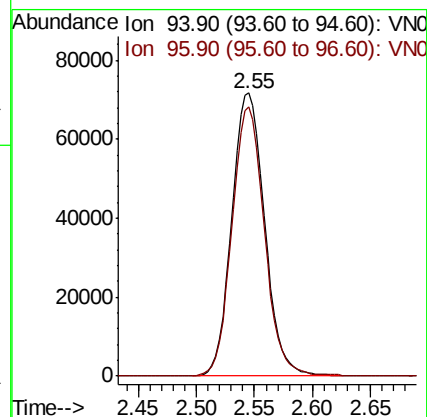
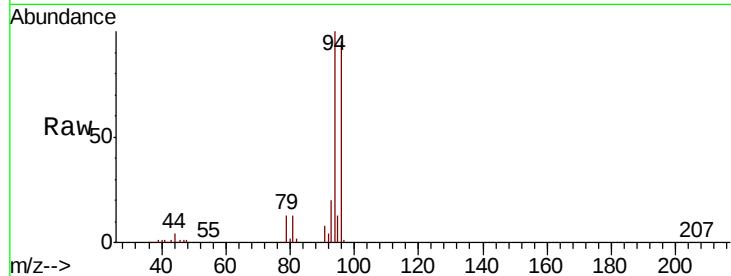
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 140499

Ion Ratio Lower Upper

94 100

96 95.4 73.8 110.6



#6

Chloroethane

Concen: 47.085 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059448.D

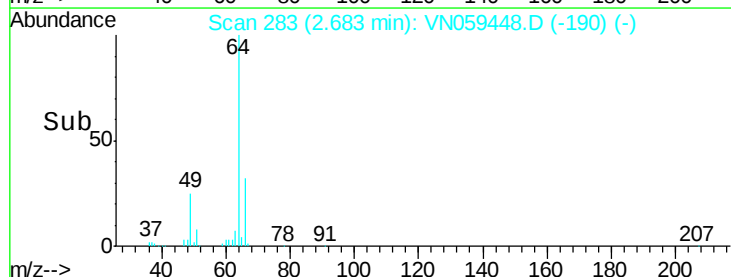
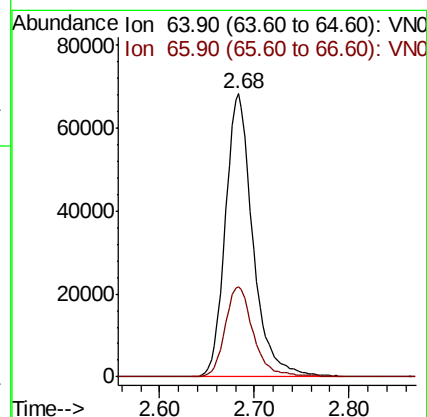
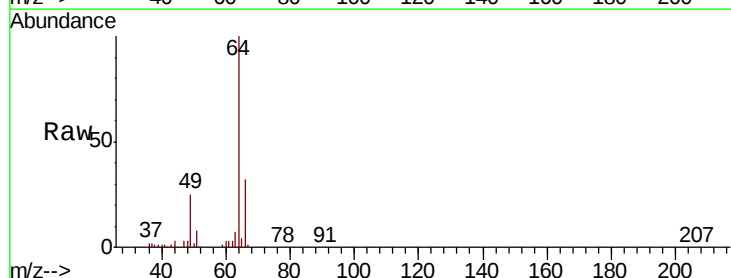
Acq: 29 Nov 2019 15:07

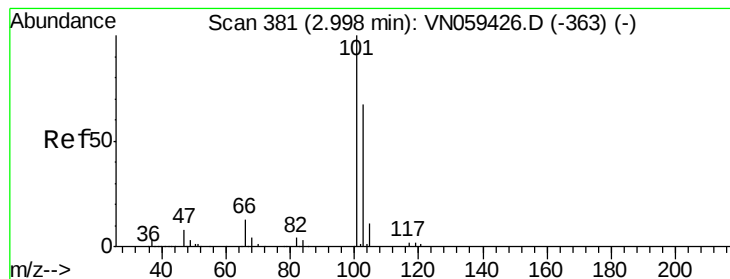
Tgt Ion: 64 Resp: 137998

Ion Ratio Lower Upper

64 100

66 32.0 26.5 39.7



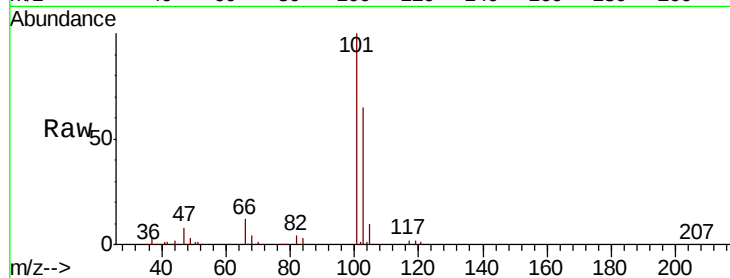


#7

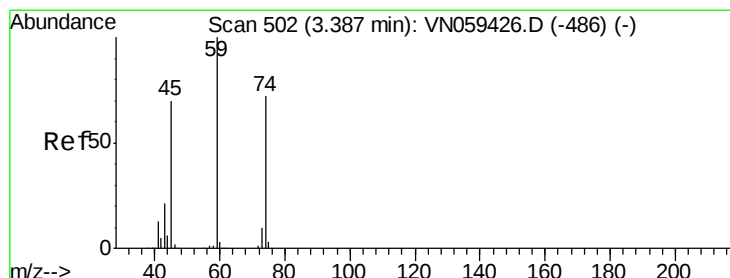
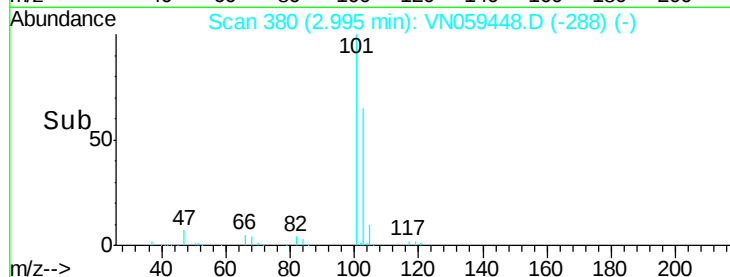
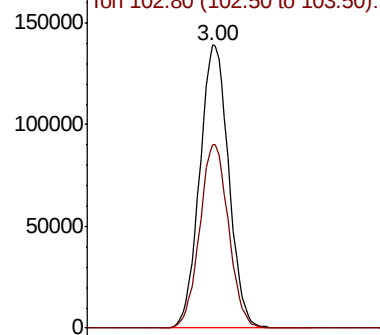
Trichlorofluoromethane
Concen: 48.426 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 301510
Ion Ratio Lower Upper
101 100
103 65.0 53.6 80.4



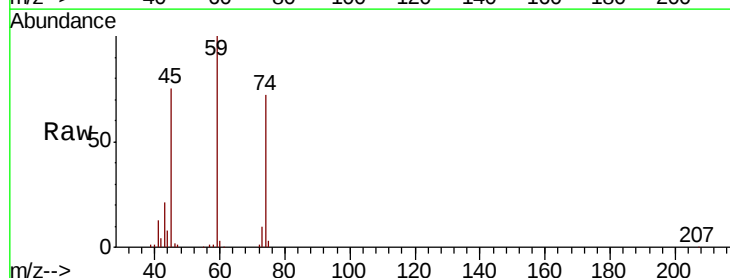
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



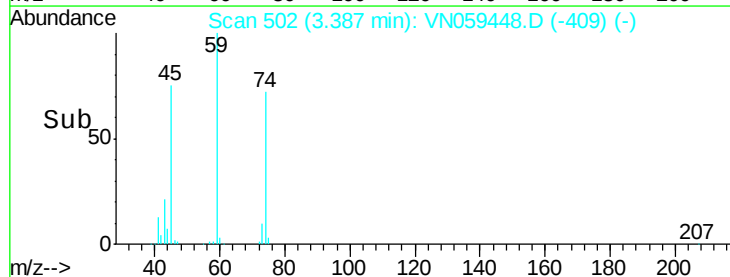
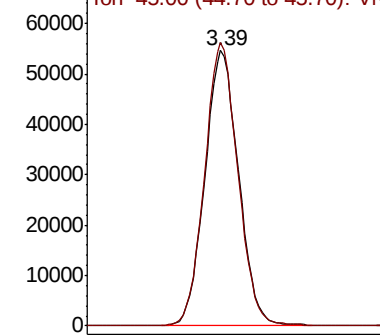
#8

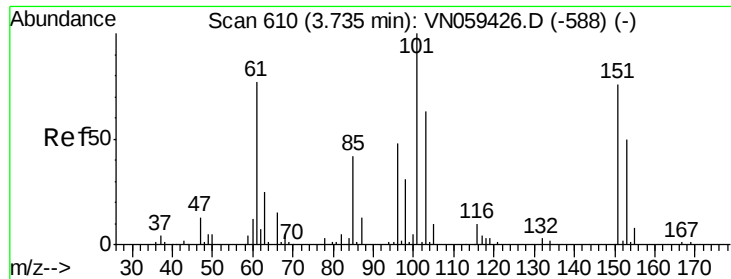
Diethyl Ether
Concen: 47.003 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 74 Resp: 119103
Ion Ratio Lower Upper
74 100
45 101.5 49.7 149.1



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

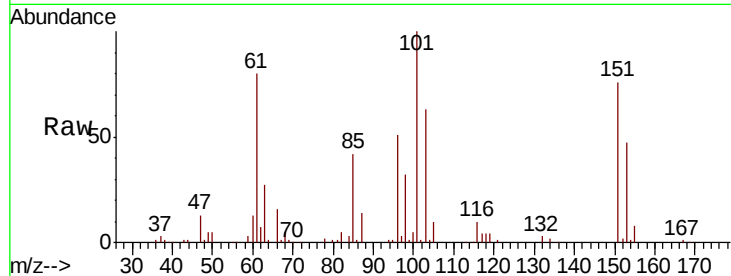




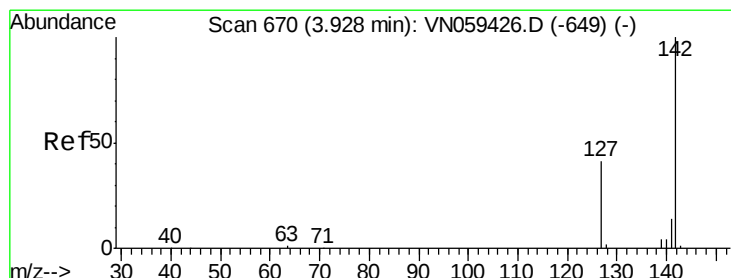
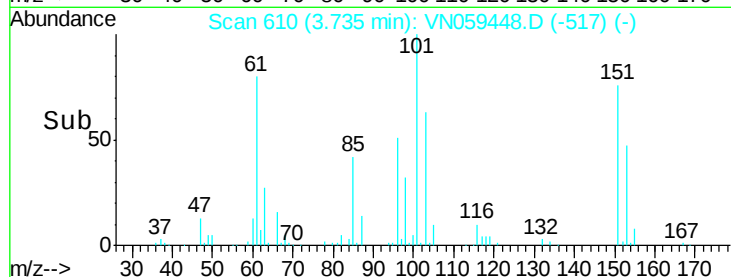
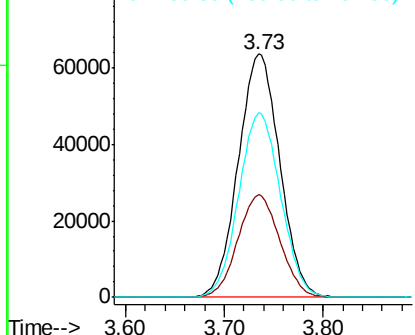
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.363 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 185457
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.2 51.2
 151 76.6 62.6 93.8

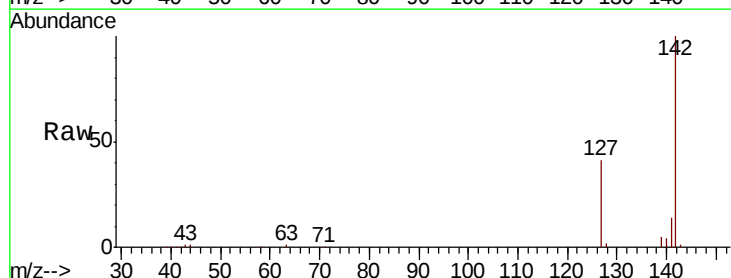


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

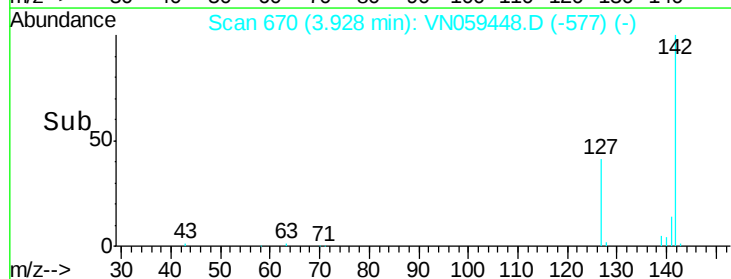
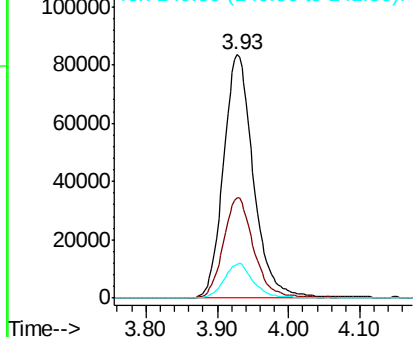


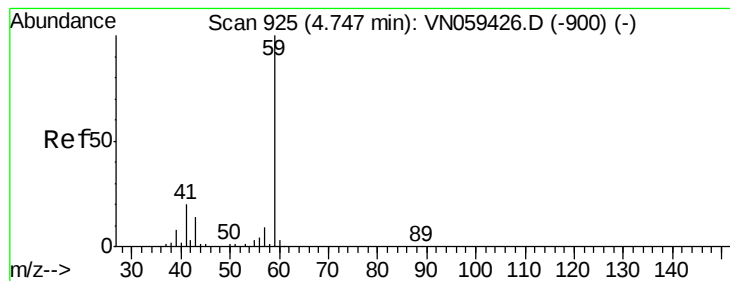
#10
 Methyl Iodide
 Concen: 48.856 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

Tgt Ion:142 Resp: 243851
 Ion Ratio Lower Upper
 142 100
 127 41.5 32.6 48.8
 141 13.9 11.1 16.7



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



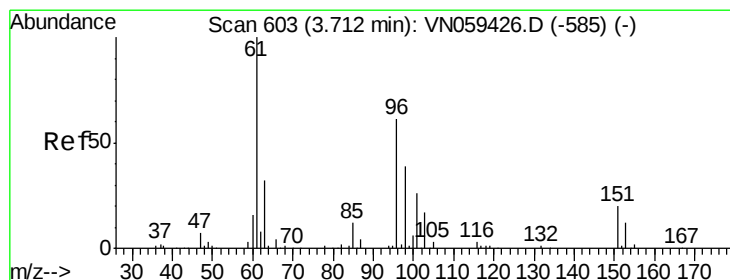
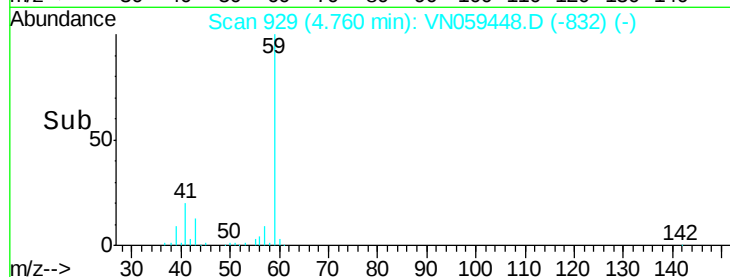
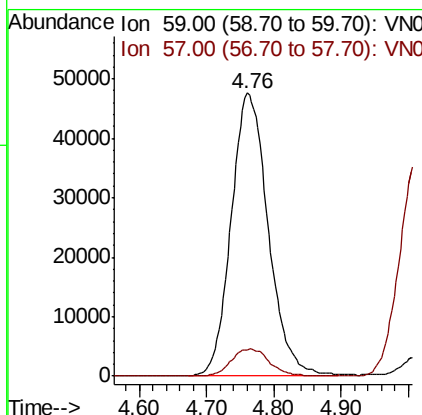
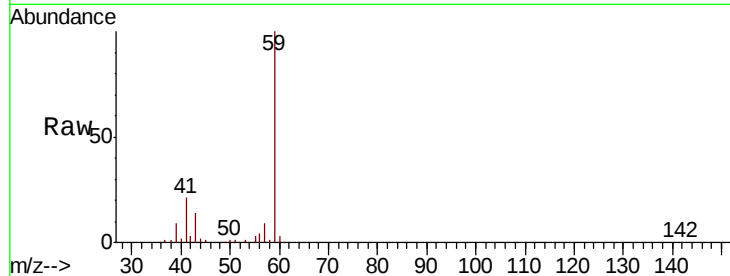


#11

Tert butyl alcohol
Concen: 237.497 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

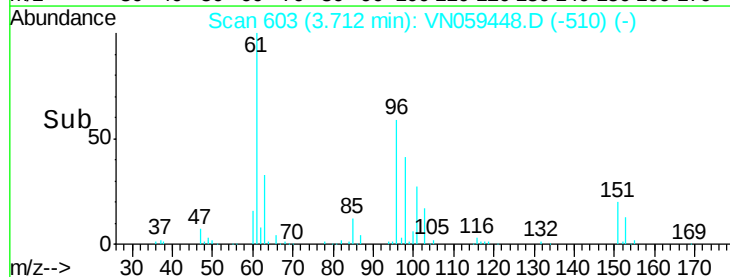
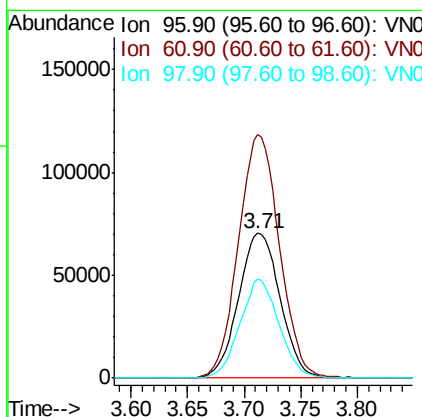
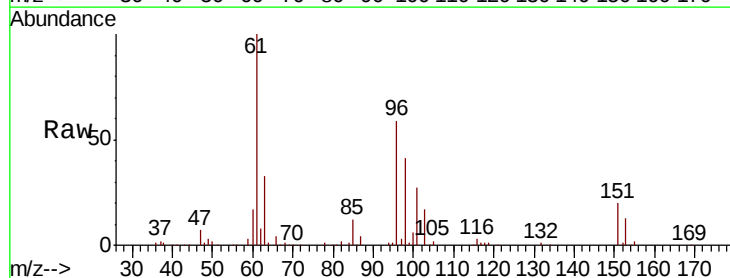
Tot Ion: 59 Resp: 182350
Ion Ratio Lower Upper
59 100
57 9.9 3.8 5.8#

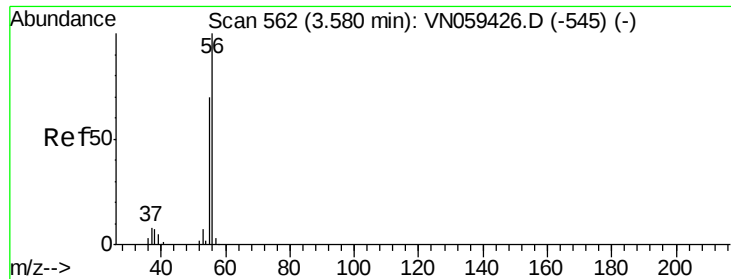


#12

1,1-Dichloroethene
Concen: 47.999 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 96 Resp: 180256
Ion Ratio Lower Upper
96 100
61 168.4 130.5 195.7
98 68.7 51.3 76.9





#13

Acrolein

Concen: 242.485 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

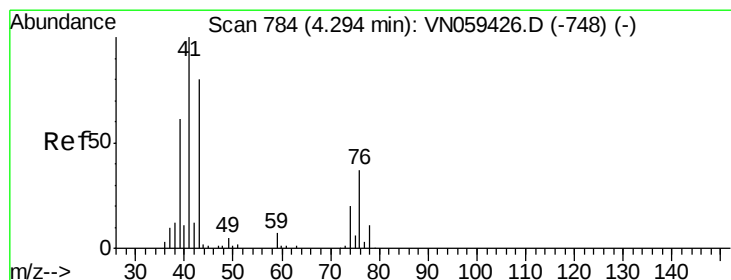
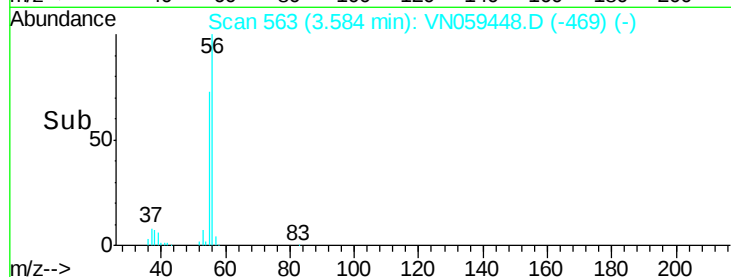
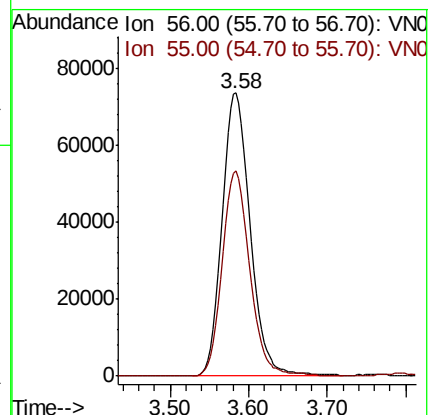
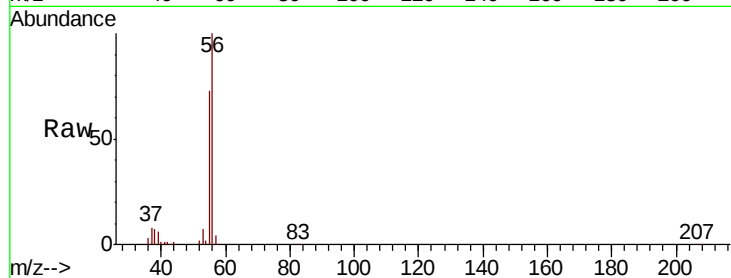
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 181743

Ion Ratio Lower Upper

56 100

55 71.3 57.8 86.6



#14

Allyl chloride

Concen: 47.389 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

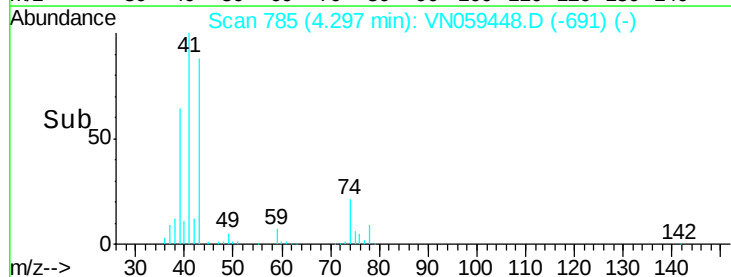
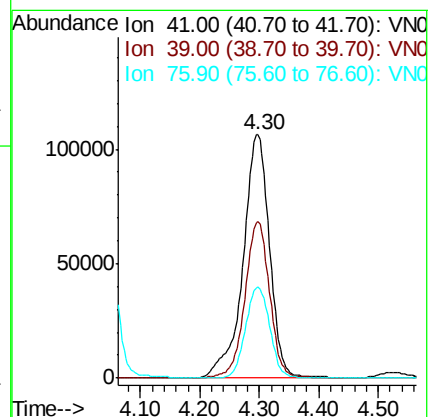
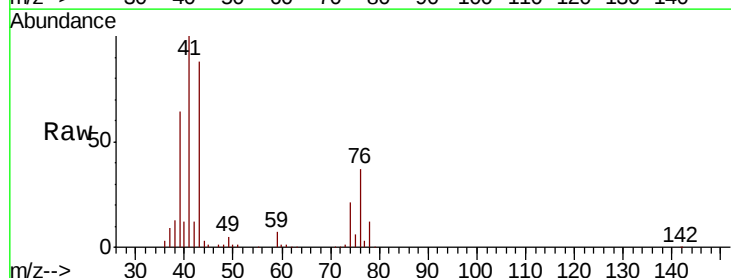
Tgt Ion: 41 Resp: 330059

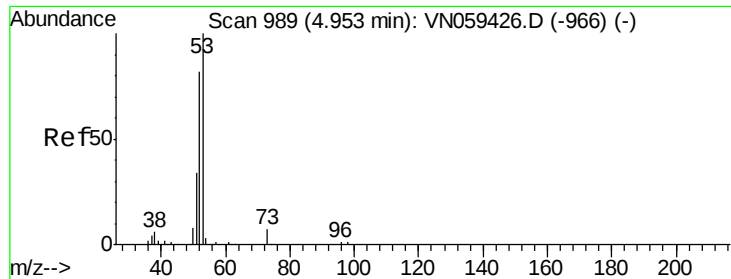
Ion Ratio Lower Upper

41 100

39 59.9 46.5 69.7

76 34.3 26.8 40.2





#15

Acrylonitrile

Concen: 248.849 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

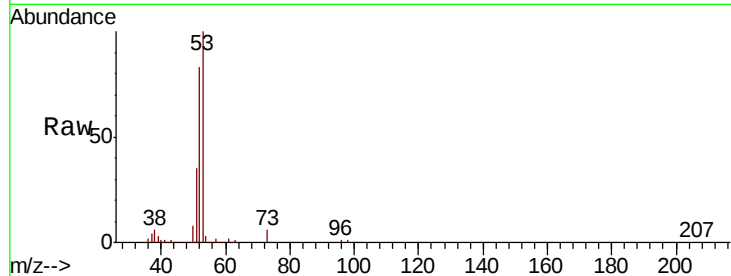
Tot Ion: 53 Resp: 532408

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

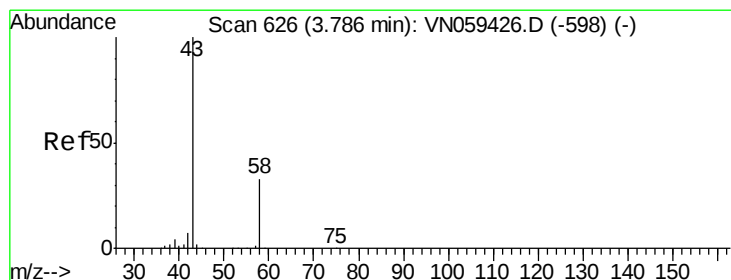
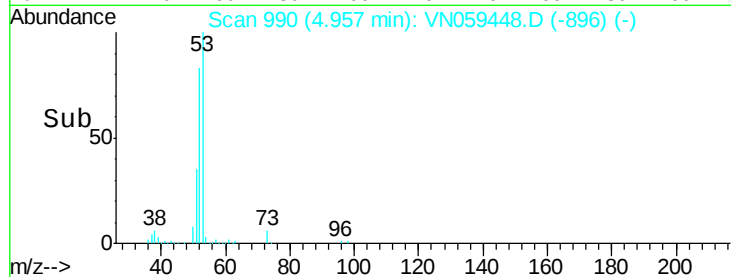
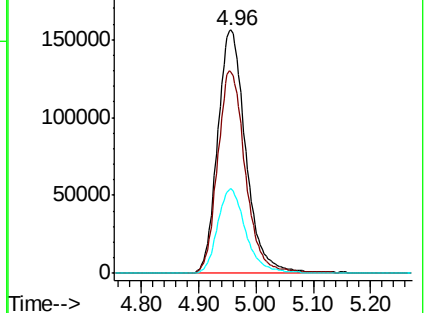
51 34.8 27.8 41.8



Abundance Ion 53.00 (52.70 to 53.70): VN059448.D (-533) (-)

Ion 52.00 (51.70 to 52.70): VN059448.D (-533) (-)

Ion 51.00 (50.70 to 51.70): VN059448.D (-533) (-)



#16

Acetone

Concen: 247.942 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059448.D

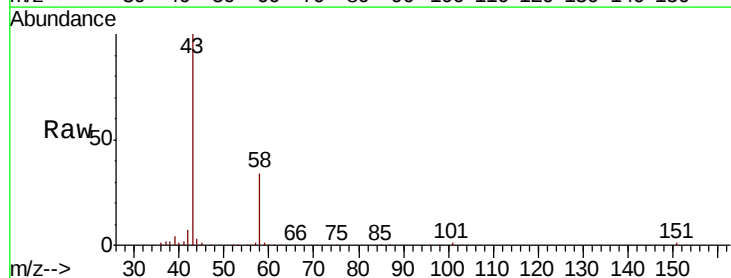
Acq: 29 Nov 2019 15:07

Tgt Ion: 43 Resp: 523519

Ion Ratio Lower Upper

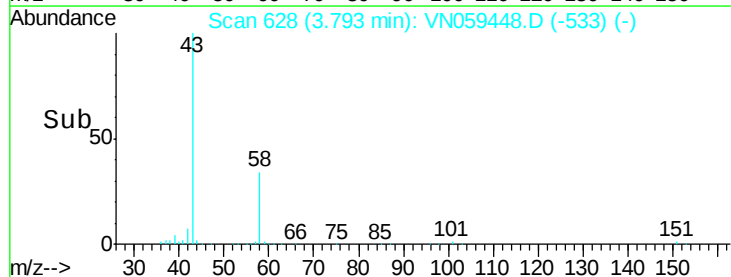
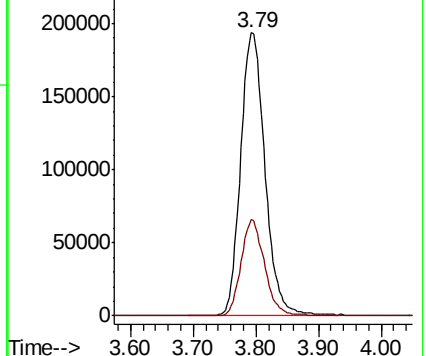
43 100

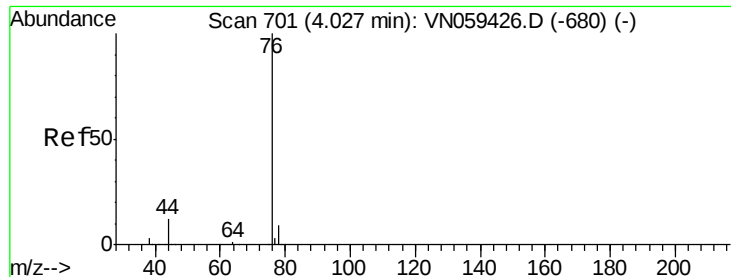
58 34.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN059448.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059448.D (-533) (-)





#17

Carbon Disulfide

Concen: 44.855 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

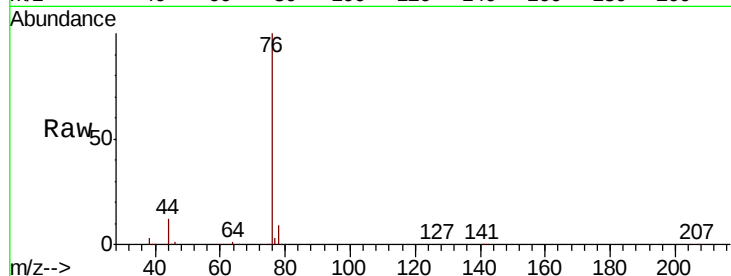
ClientSampleId :

Tot Ion: 76 Resp: 578050

Ion Ratio Lower Upper

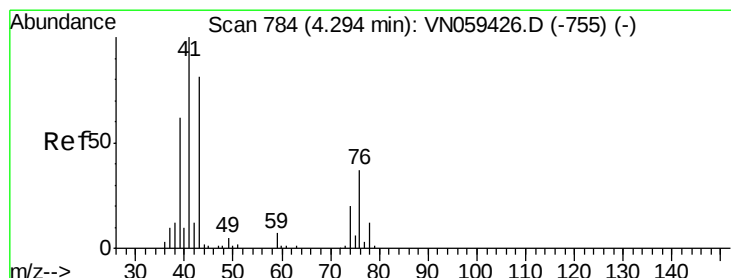
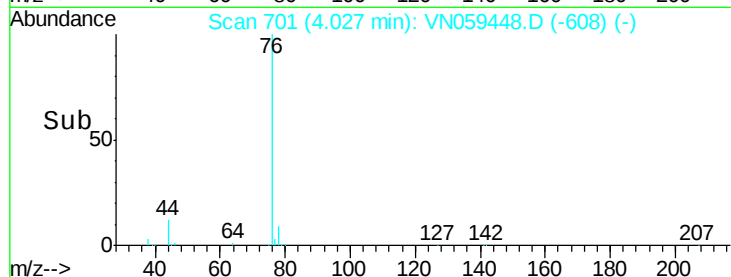
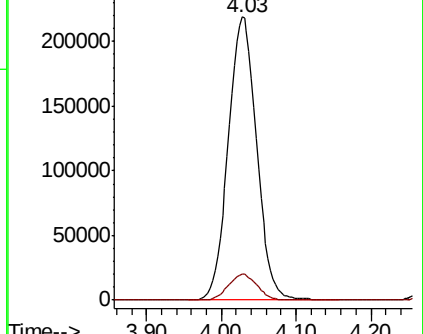
76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059448.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059448.D (-608) (-)



#18

Methyl Acetate

Concen: 46.549 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059448.D

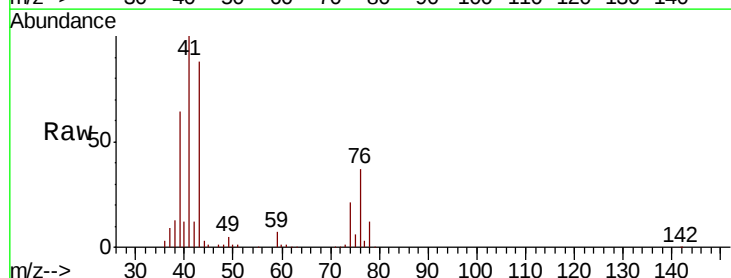
Acq: 29 Nov 2019 15:07

Tgt Ion: 43 Resp: 267656

Ion Ratio Lower Upper

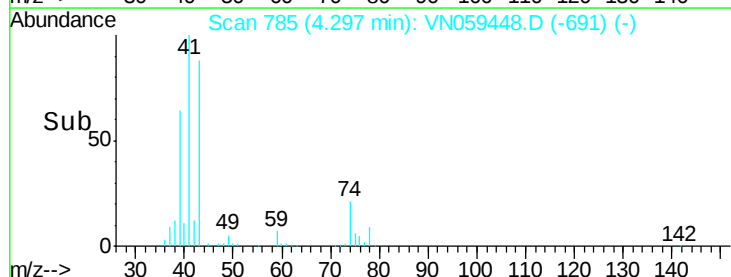
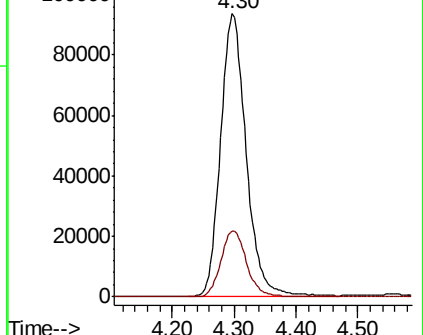
43 100

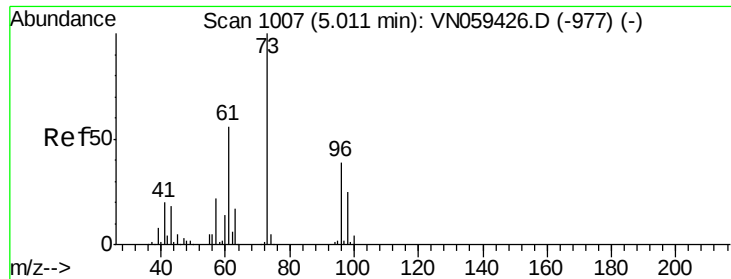
74 23.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN059448.D (-691) (-)

Ion 74.00 (73.70 to 74.70): VN059448.D (-691) (-)

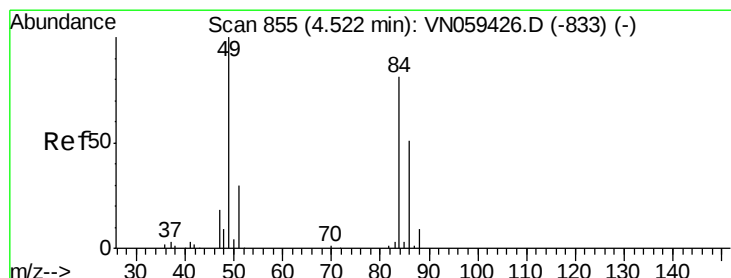
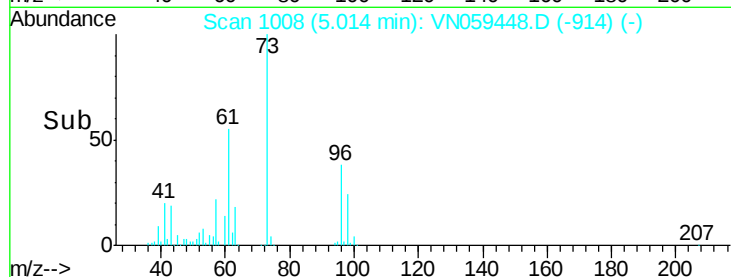
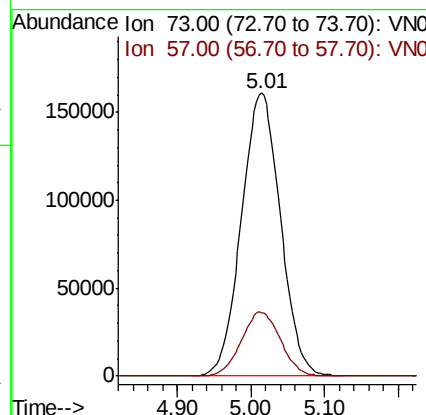
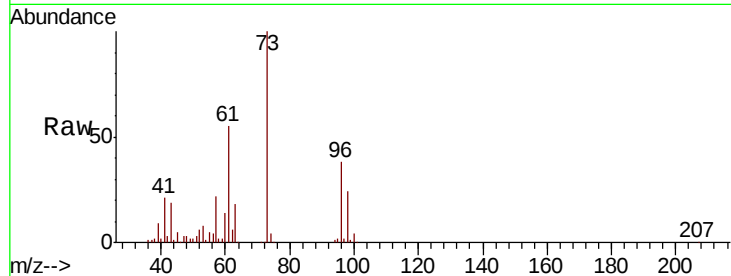




#19
Methvl tert-butvl Ether
Concen: 49.079 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

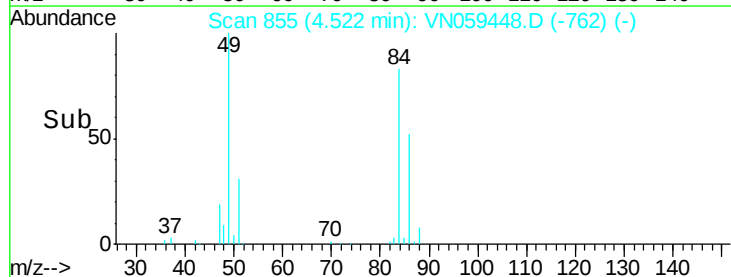
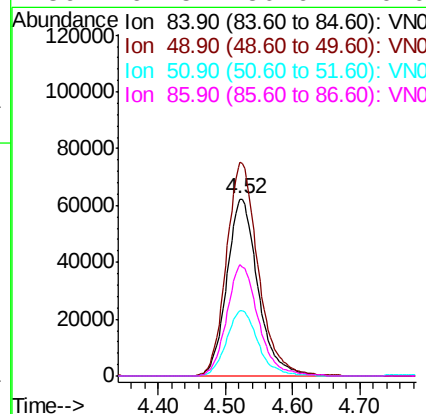
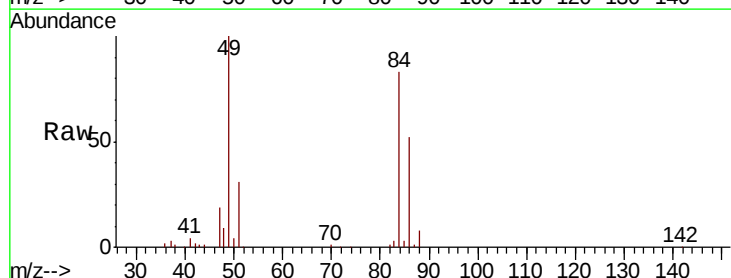
Instrument :
MSVOA_N
ClientSampleId :

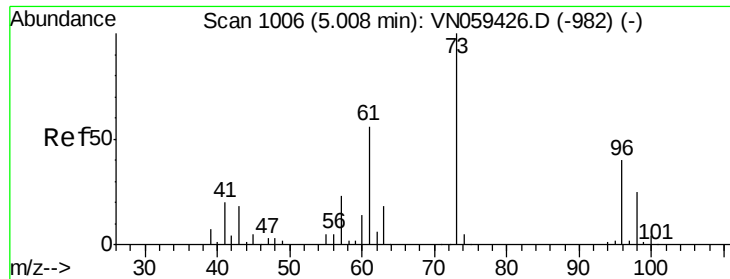
Tot Ion: 73 Resp: 593929
Ion Ratio Lower Upper
73 100
57 22.5 17.7 26.5



#20
Methylene Chloride
Concen: 46.815 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 84 Resp: 200853
Ion Ratio Lower Upper
84 100
49 120.5 98.6 148.0
51 36.9 29.4 44.0
86 62.5 50.6 76.0

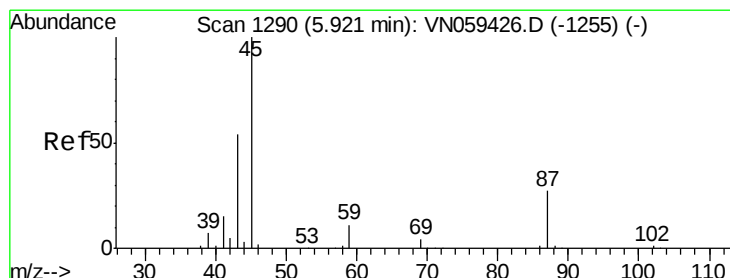
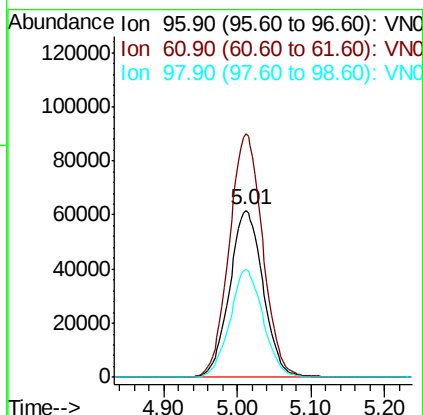
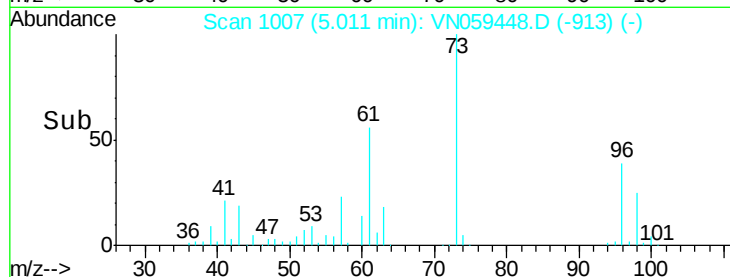
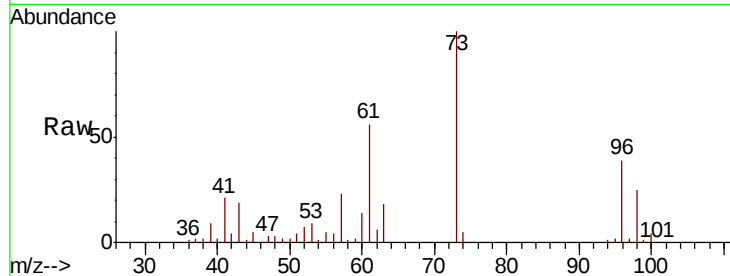




#21
trans-1,2-Dichloroethene
Concen: 47.695 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

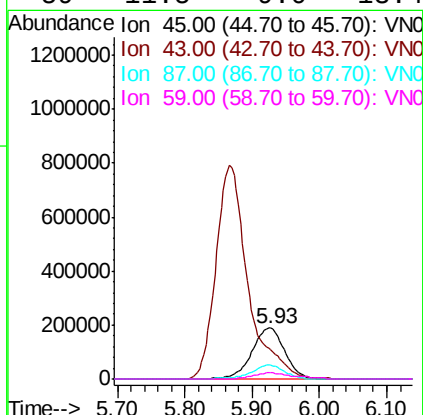
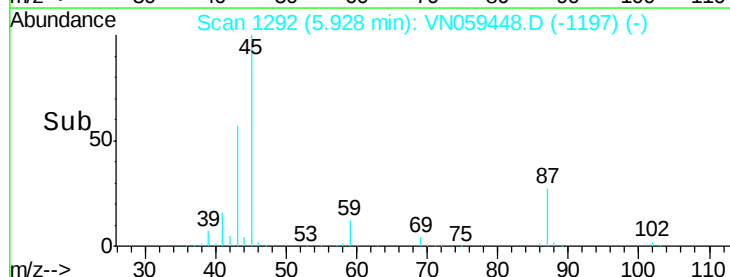
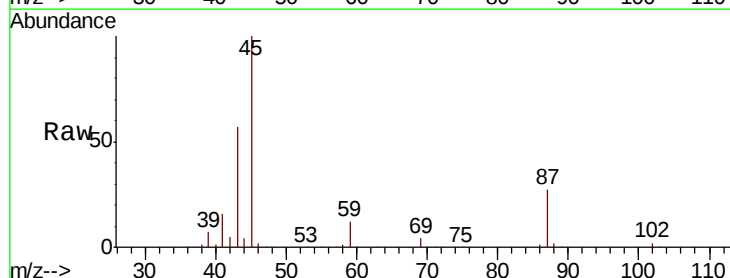
Instrument :
MSVOA_N
ClientSampled :

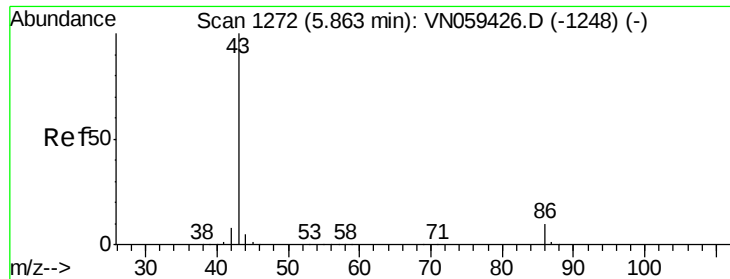
Tot Ion: 96 Resp: 195146
Ion Ratio Lower Upper
96 100
61 146.0 114.0 171.0
98 64.7 50.5 75.7



#22
Diisopropyl ether
Concen: 49.610 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 45 Resp: 642111
Ion Ratio Lower Upper
45 100
43 55.5 46.3 69.5
87 27.3 21.8 32.6
59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 251.622 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

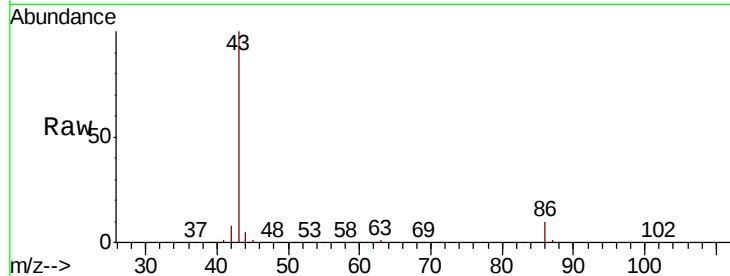
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2627419

Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VN059448.D (-1179) (-)

Ion 86.00 (85.70 to 86.70): VN059448.D (-1179) (-)

5.87

800000

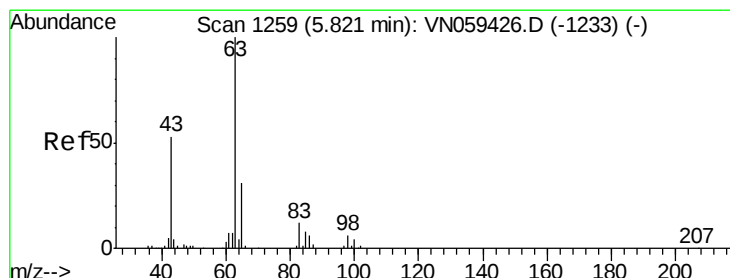
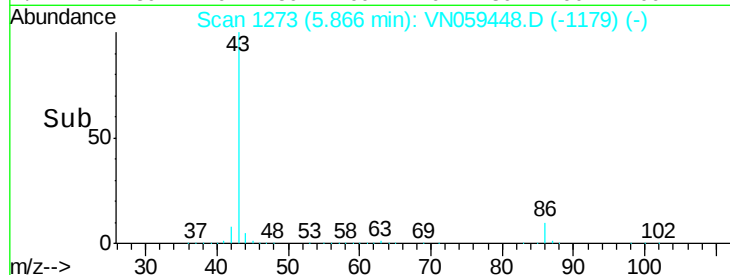
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.814 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

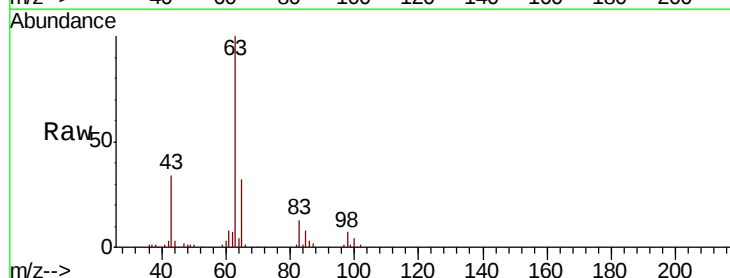
Tgt Ion: 63 Resp: 363513

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN059448.D (-1166) (-)

Ion 97.90 (97.60 to 98.60): VN059448.D (-1166) (-)

Ion 99.90 (99.60 to 100.60): VN059448.D (-1166) (-)

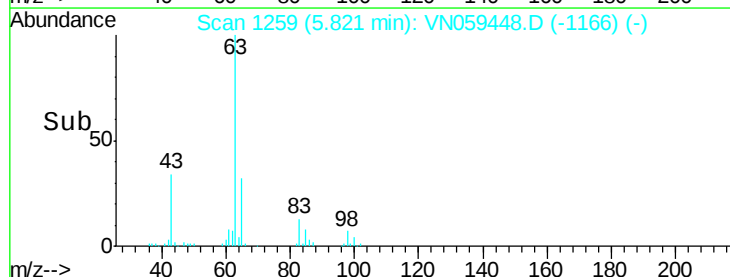
150000

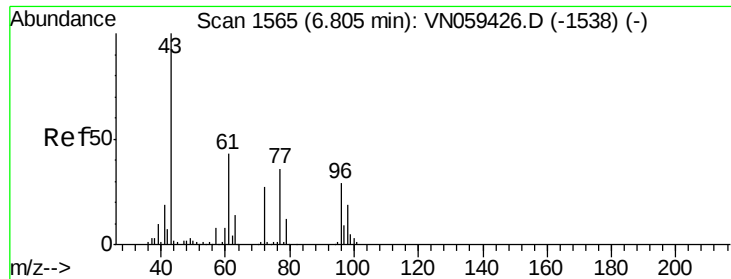
100000

50000

0

Time-->





#25

2-Butanone

Concen: 249.288 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

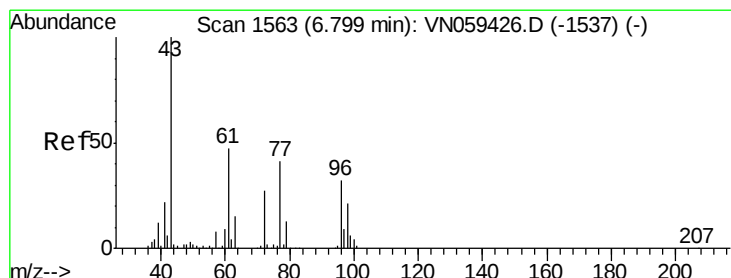
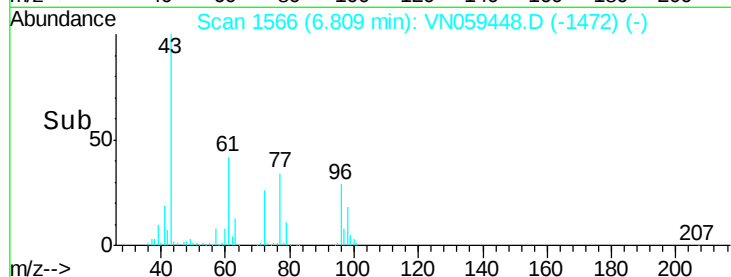
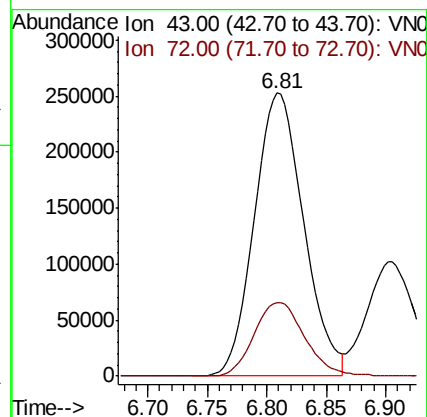
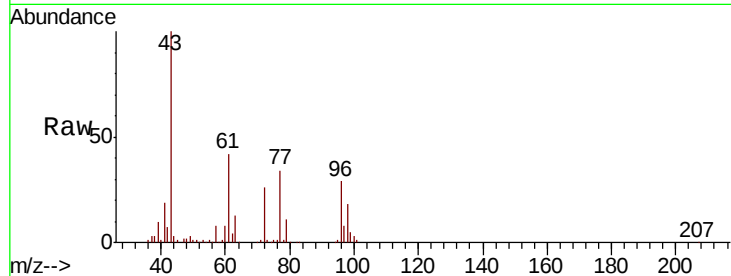
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 724110

Ion Ratio Lower Upper

43 100

72 26.2 21.4 32.2



#26

2,2-Dichloropropane

Concen: 48.445 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059448.D

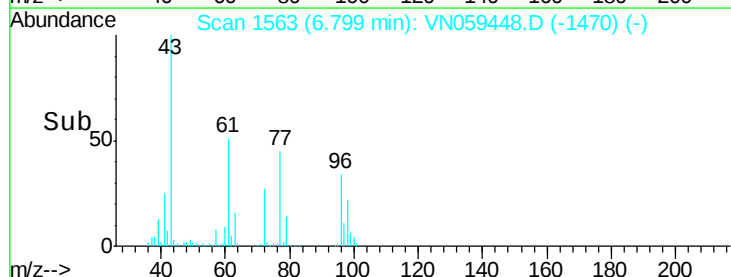
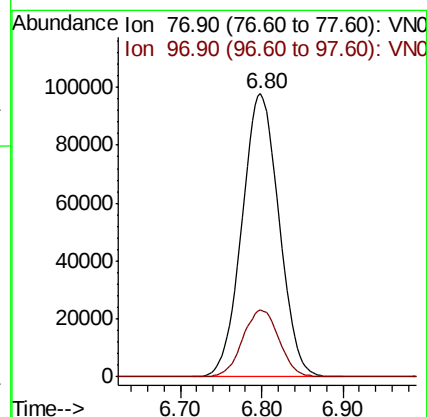
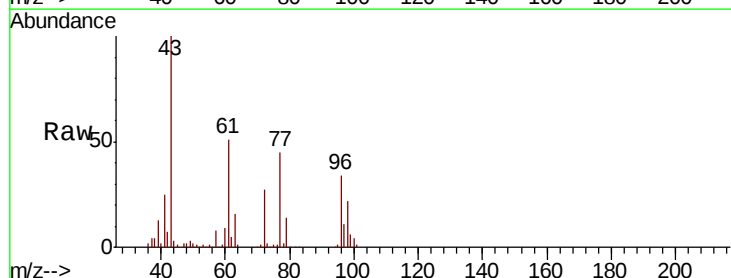
Acq: 29 Nov 2019 15:07

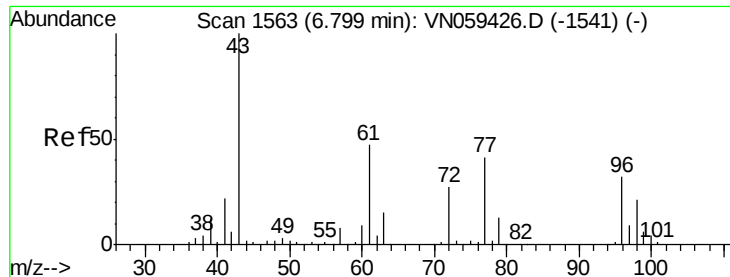
Tgt Ion: 77 Resp: 307022

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 48.810 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

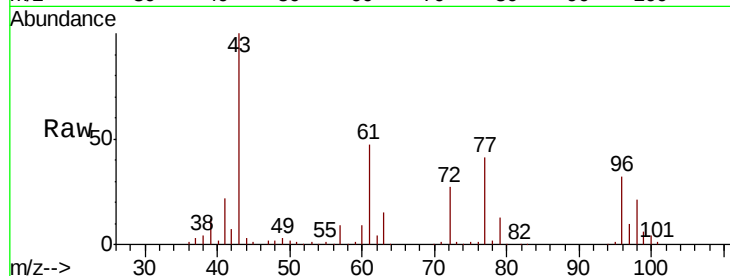
Tot Ion: 96 Resp: 218417

Ion Ratio Lower Upper

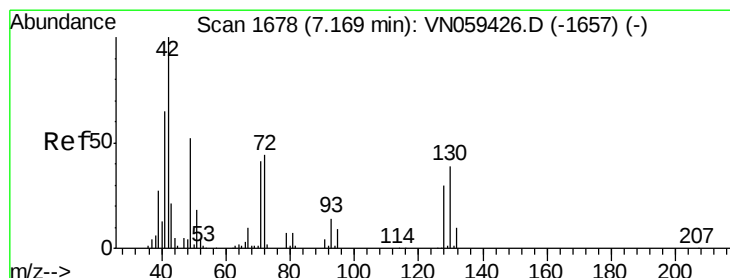
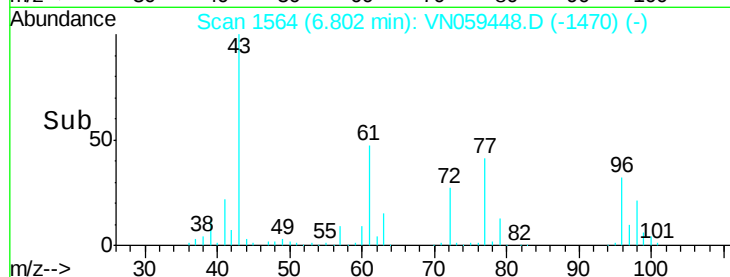
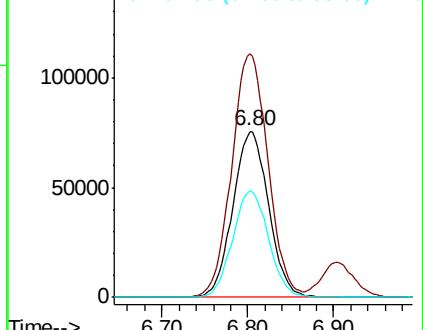
96 100

61 148.5 0.0 297.6

98 64.5 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.283 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

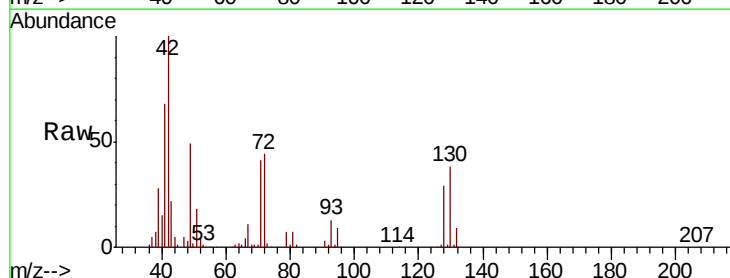
Tgt Ion: 49 Resp: 153700

Ion Ratio Lower Upper

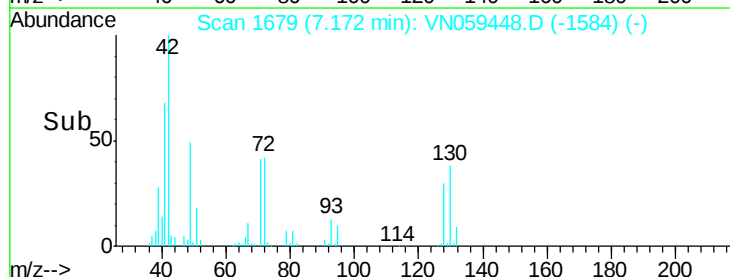
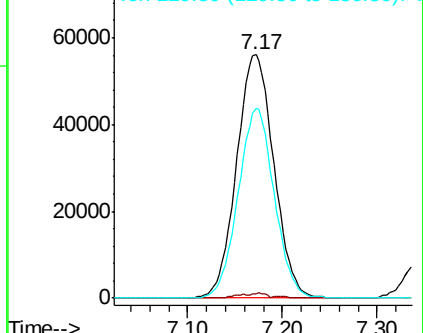
49 100

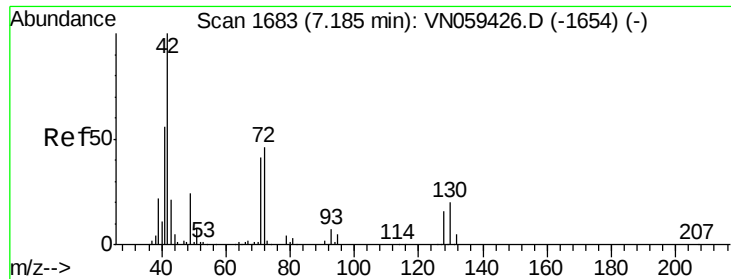
129 1.5 0.0 3.6

130 75.4 60.5 90.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

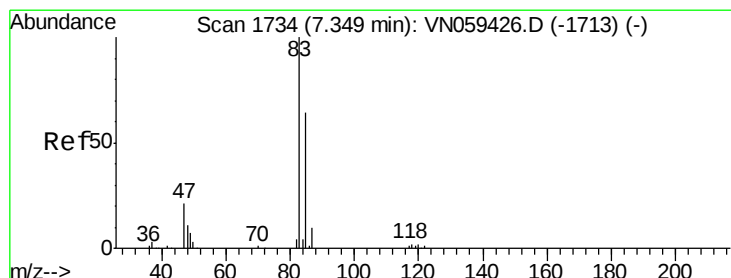
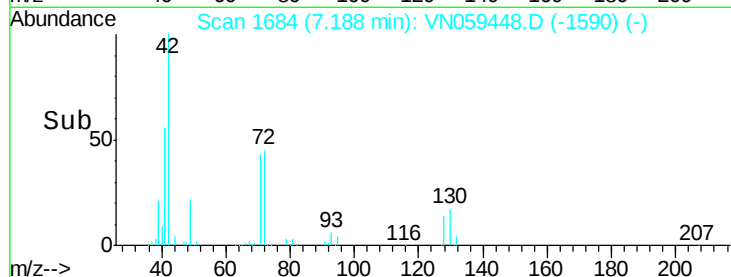
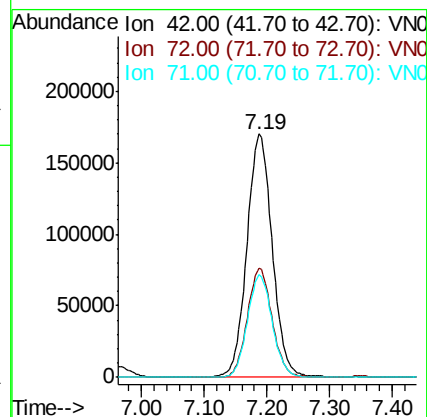
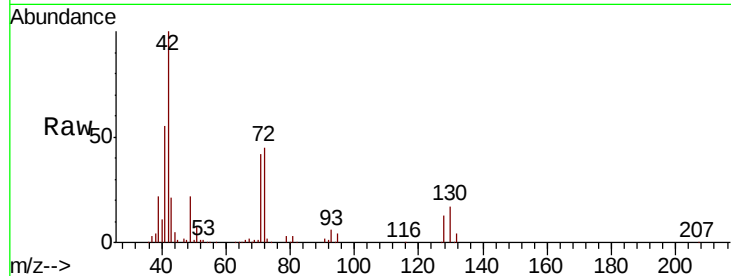




#29
Tetrahydrofuran
Concen: 247.965 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

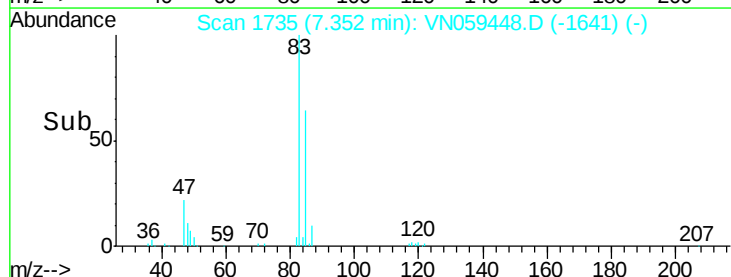
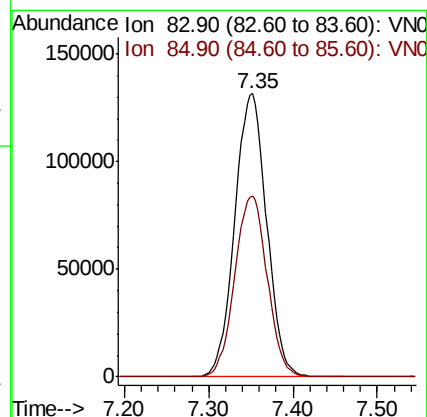
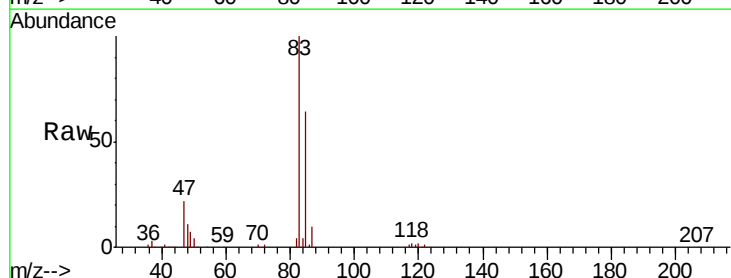
Instrument :
MSVOA_N
ClientSampleId :

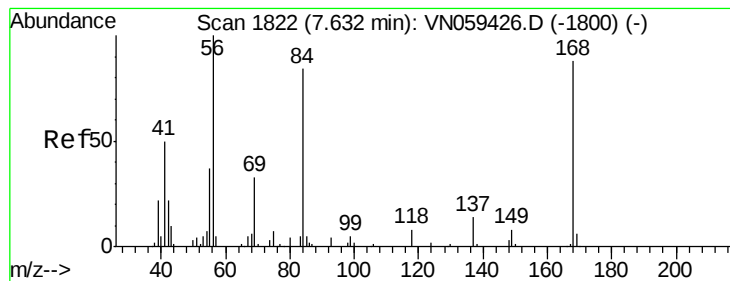
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.6	51.8
71	41.1	33.0	49.6



#30
Chloroform
Concen: 46.251 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4





#31

Cyclohexane

Concen: 46.126 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

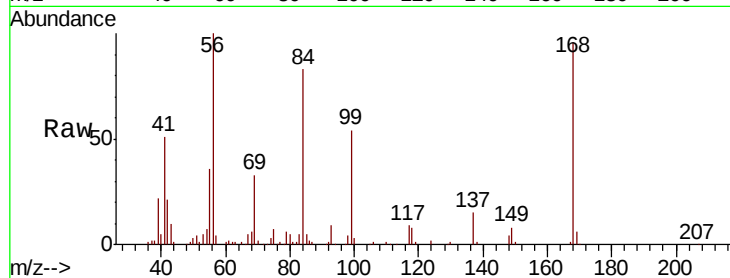
Tot Ion: 56 Resp: 344346

Ion Ratio Lower Upper

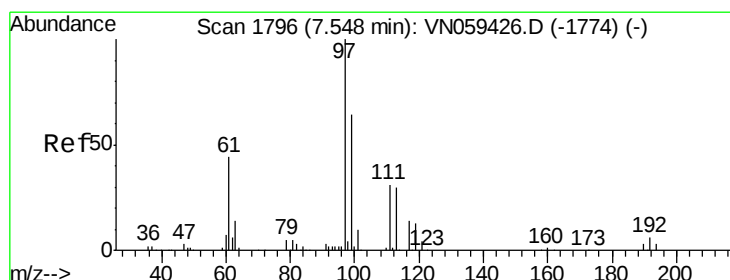
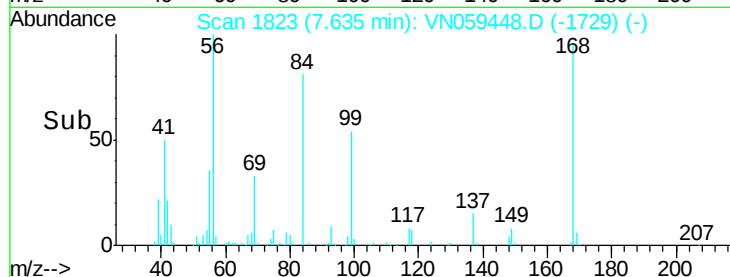
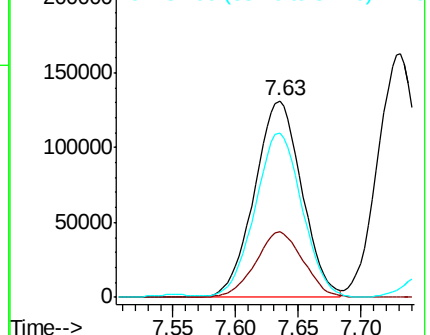
56 100

69 33.3 26.4 39.6

84 82.4 67.0 100.6



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: 49.147 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

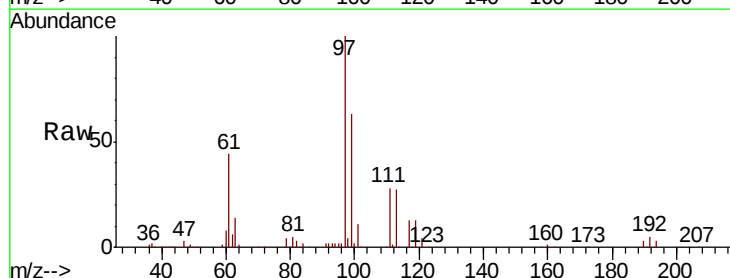
Tgt Ion: 97 Resp: 301183

Ion Ratio Lower Upper

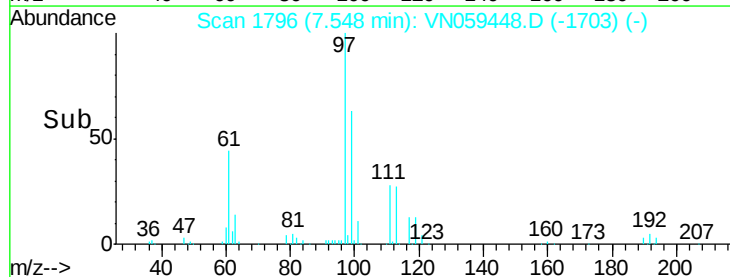
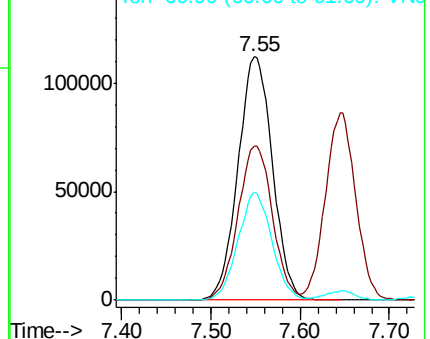
97 100

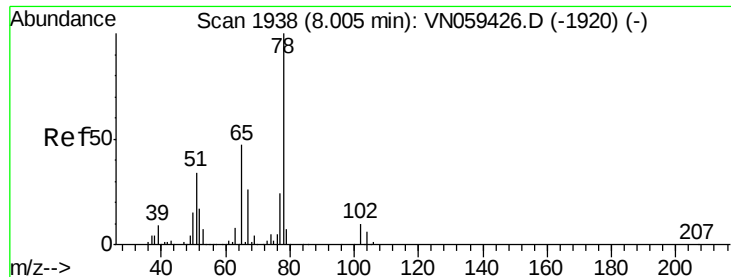
99 63.4 50.9 76.3

61 43.4 34.3 51.5



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

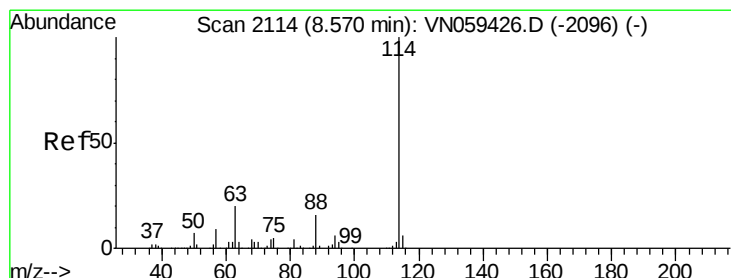
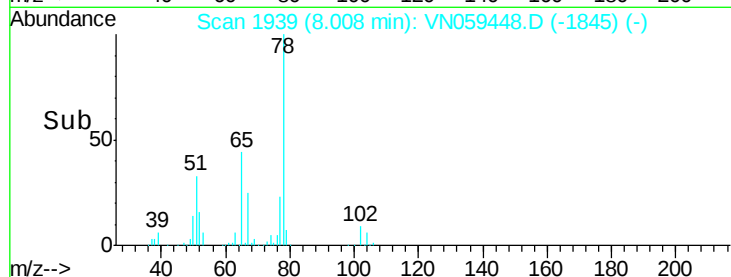
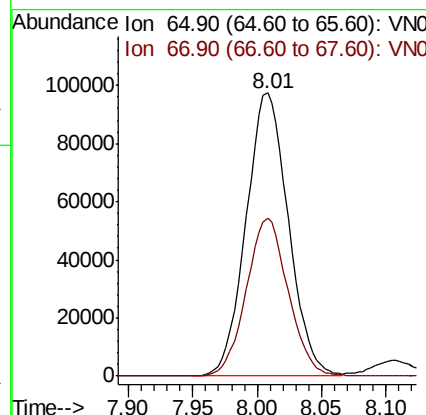
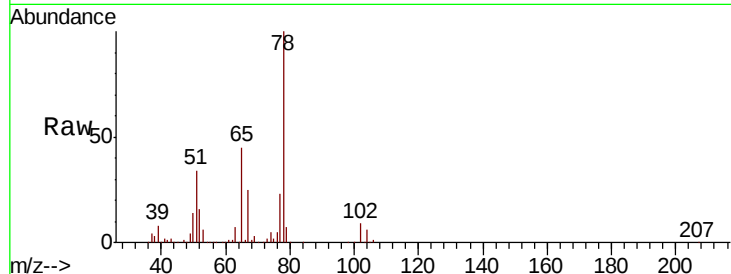




#33
 1,2-Dichloroethane-d4
 Concen: 50.269 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

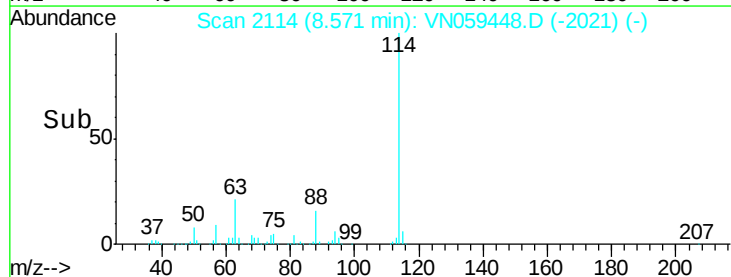
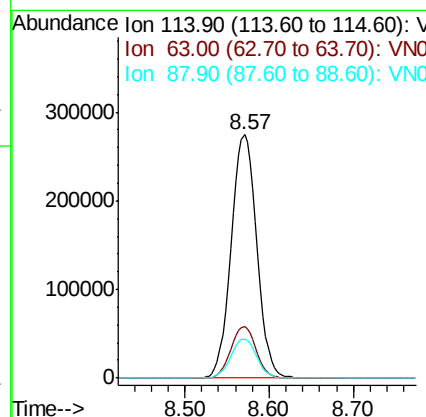
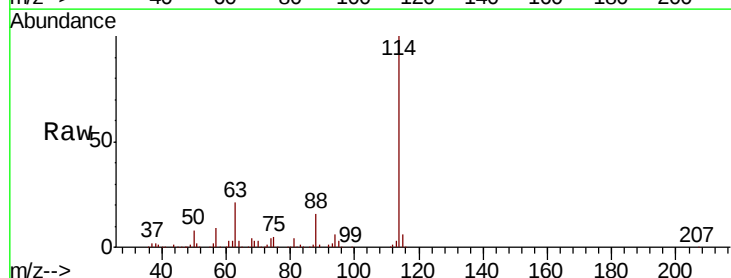
Instrument :
 MSVOA_N
 ClientSampled :

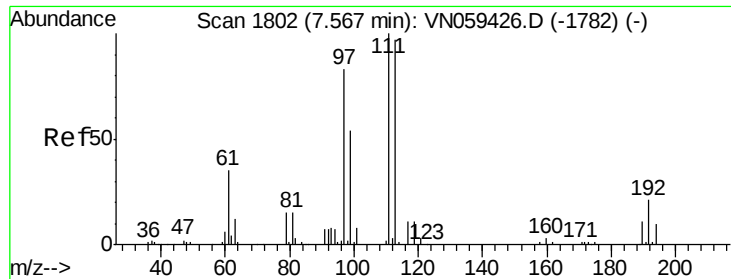
Tot Ion: 65 Resp: 222800
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

Tgt Ion: 114 Resp: 579597
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.4
 88 16.0 0.0 32.2

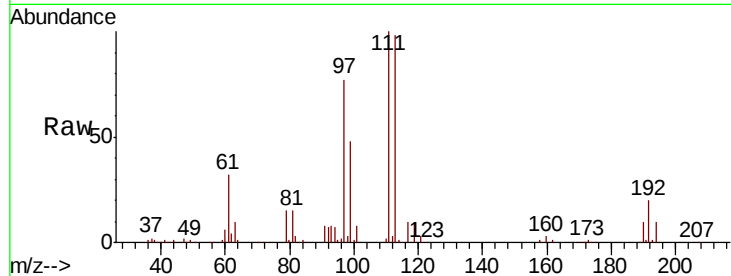




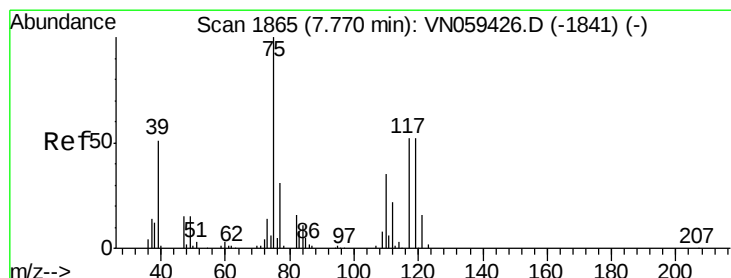
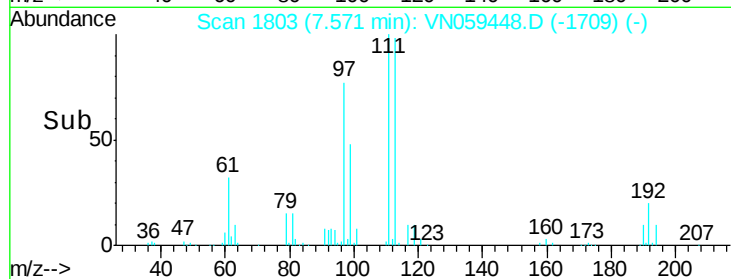
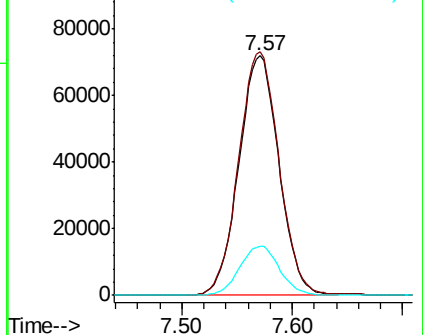
#35
 Dibromofluoromethane
 Concen: 51.209 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	20.5	16.6	24.8

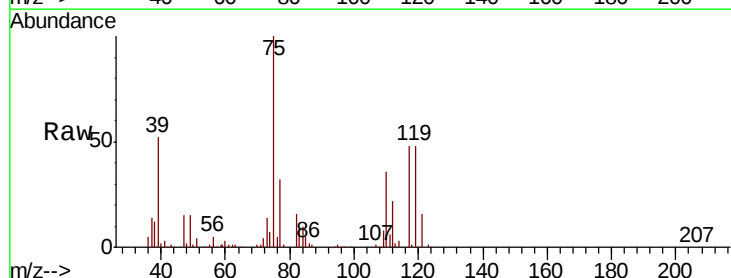


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

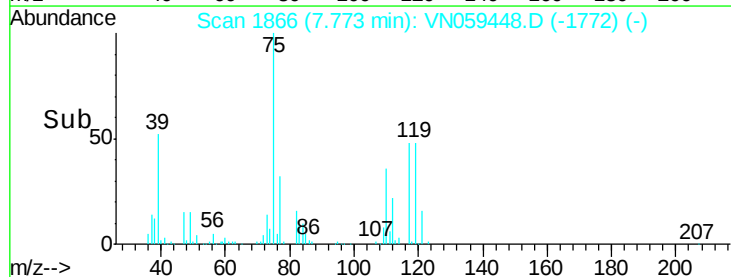
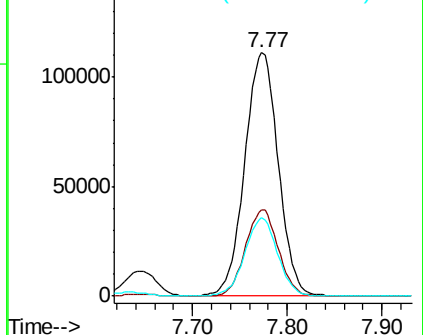


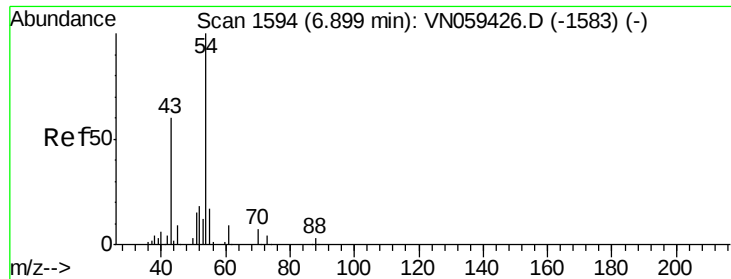
#36
 1,1-Dichloropropene
 Concen: 48.805 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.3	52.0
77	31.8	24.9	37.3



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

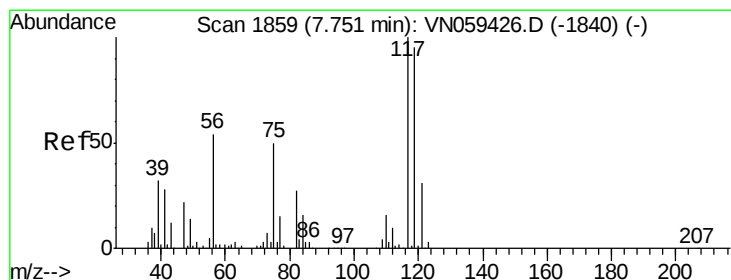
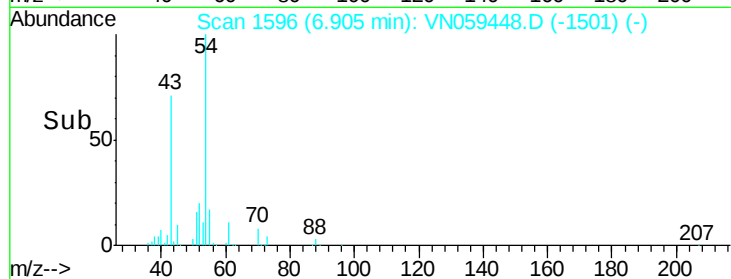
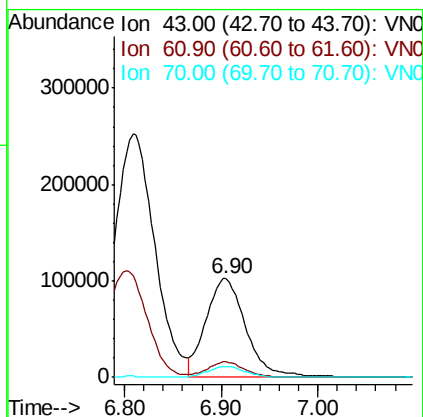
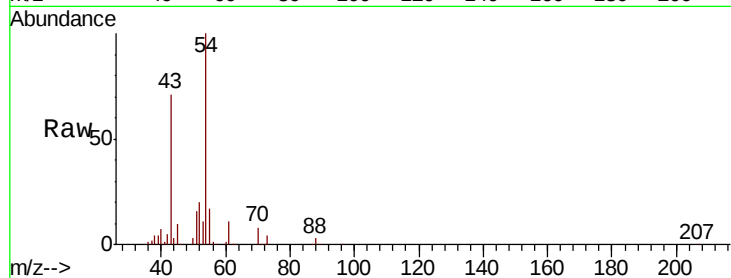




#37
Ethyl Acetate
Concen: 48.622 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

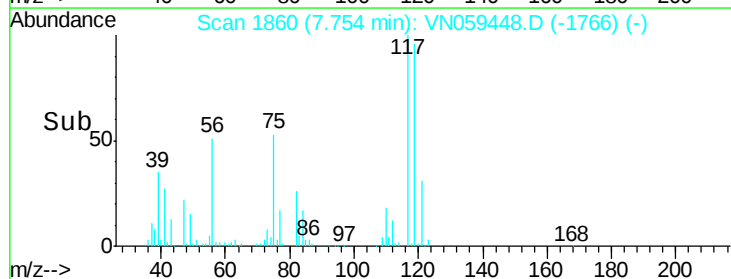
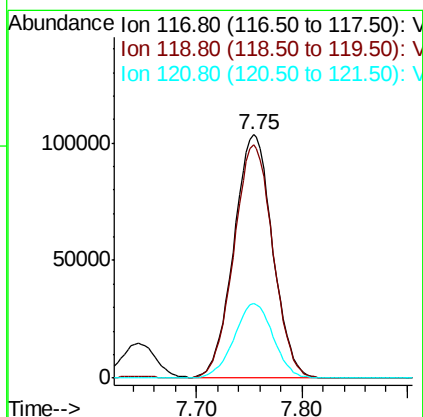
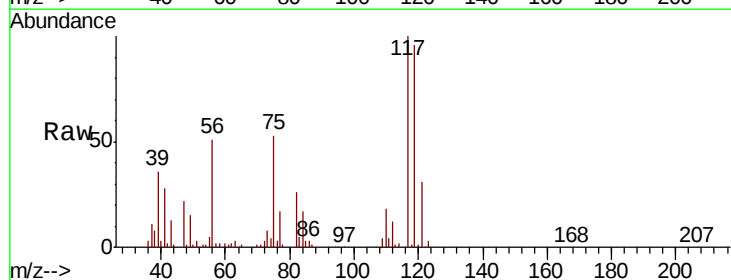
Instrument :
MSVOA_N
ClientSampled :

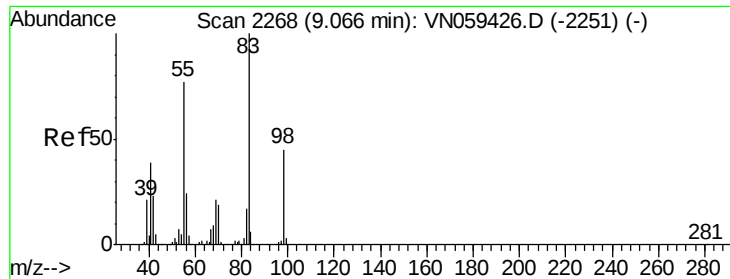
Tot Ion: 43 Resp: 286727
Ion Ratio Lower Upper
43 100
61 14.6 12.2 18.2
70 10.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 50.355 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 117 Resp: 264874
Ion Ratio Lower Upper
117 100
119 96.0 75.9 113.9
121 30.7 24.6 36.8

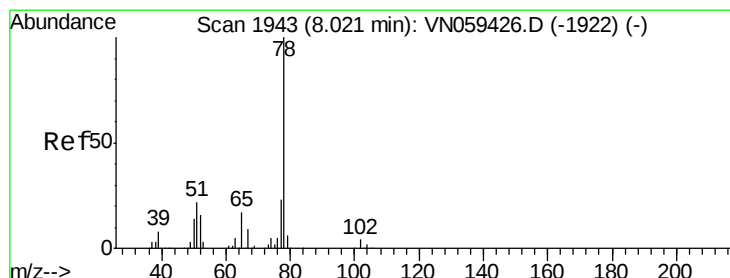
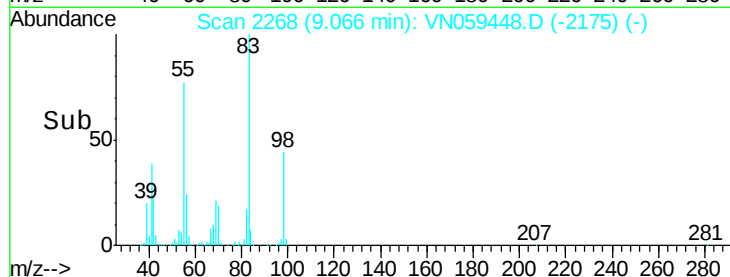
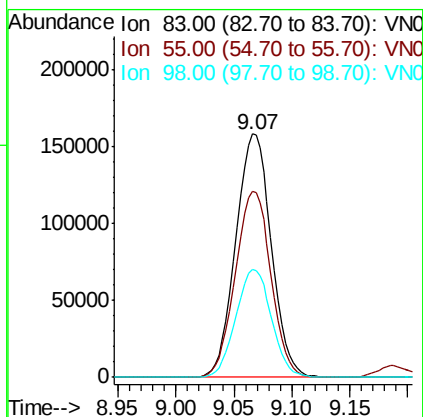
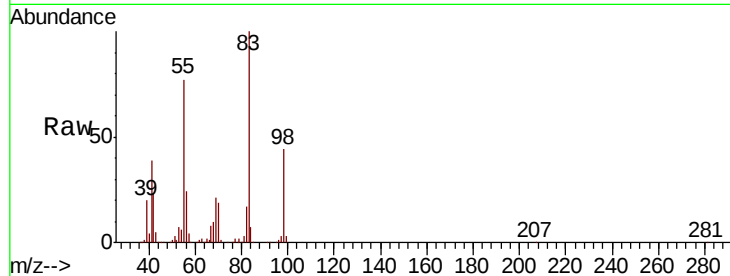




#39
Methvlcvclohexane
Concen: 50.506 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

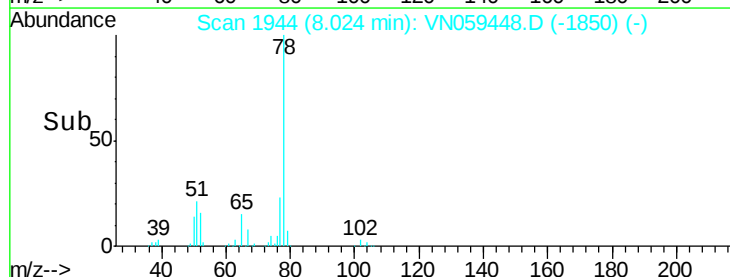
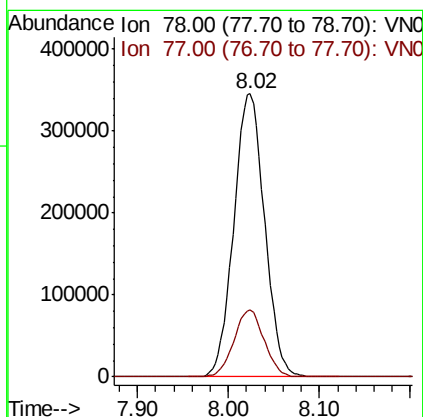
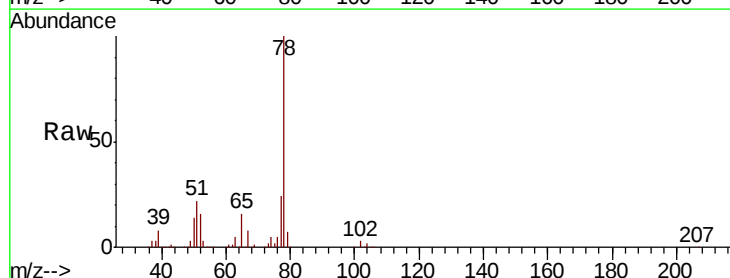
Instrument :
MSVOA_N
ClientSampled :

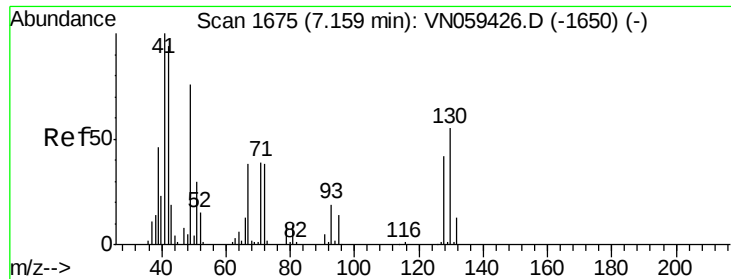
Tot Ion: 83 Resp: 336778
Ion Ratio Lower Upper
83 100
55 76.6 61.6 92.4
98 44.4 35.7 53.5



#40
Benzene
Concen: 49.093 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 78 Resp: 812448
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5

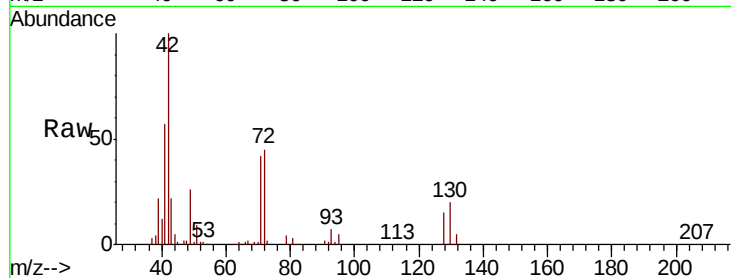




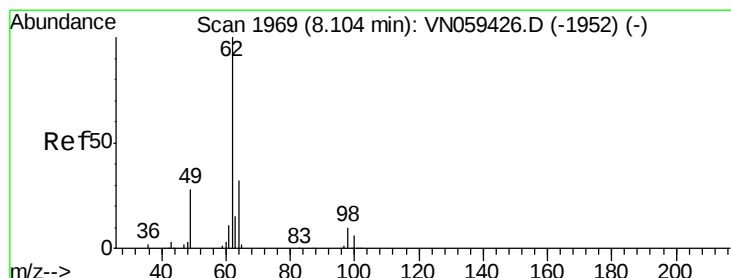
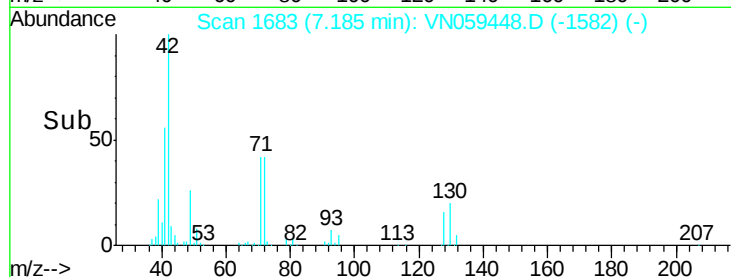
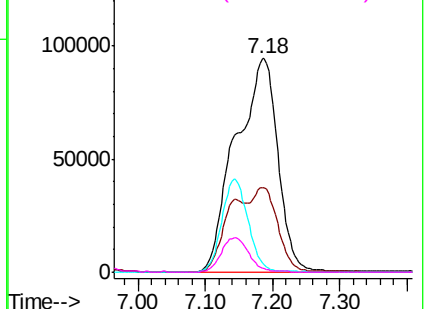
#41
Methacrylonitrile
Concen: 149.965 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	411790
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

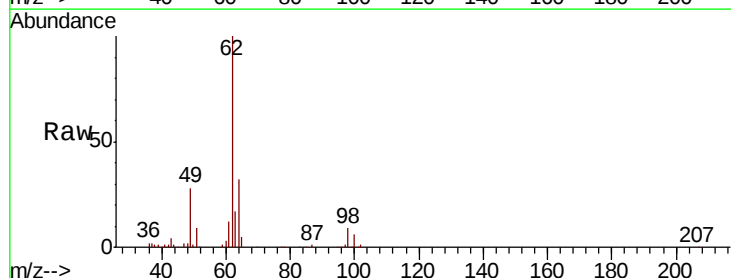


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

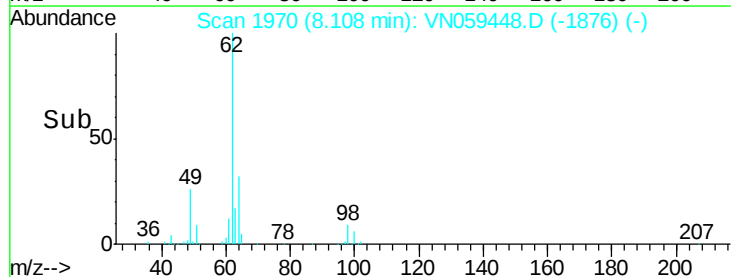
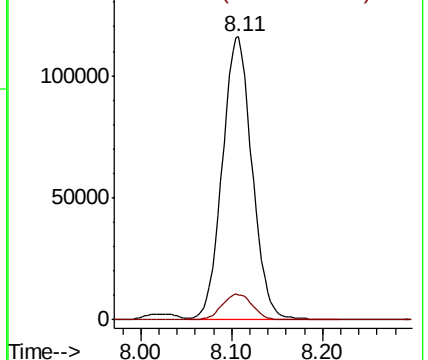


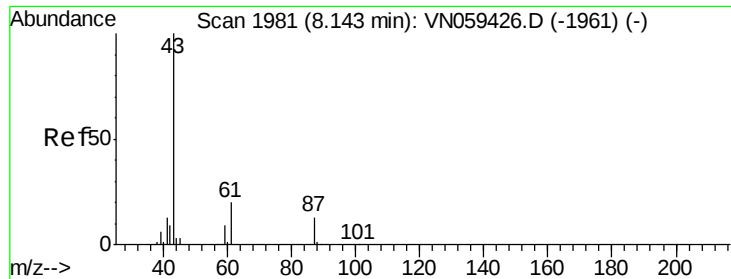
#42
1,2-Dichloroethane
Concen: 50.434 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion:	62	Resp:	264658
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0



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

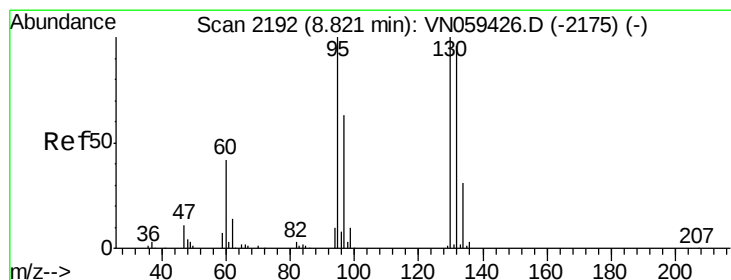
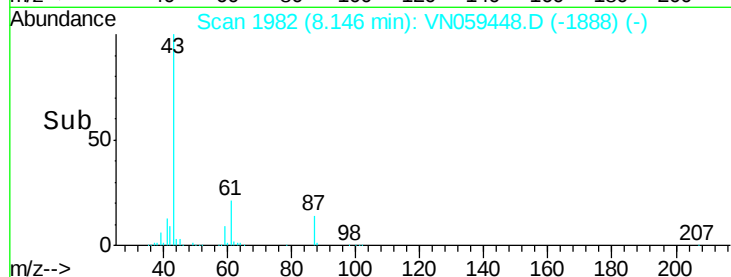
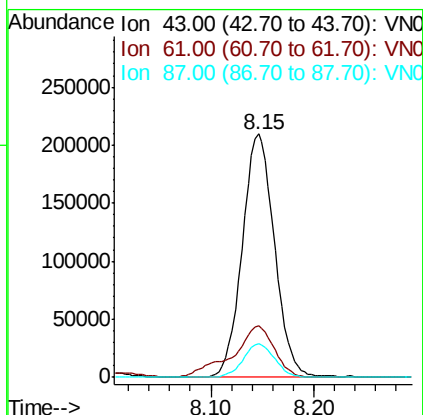
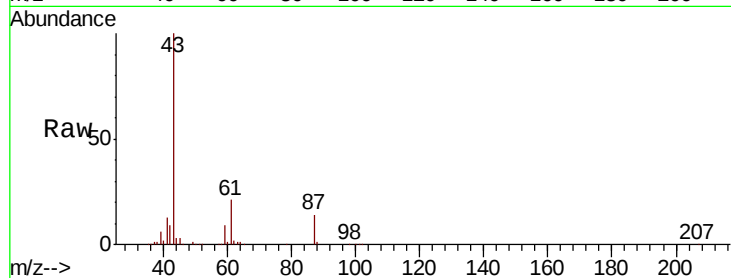




#43
Isopropyl Acetate
Concen: 50.496 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

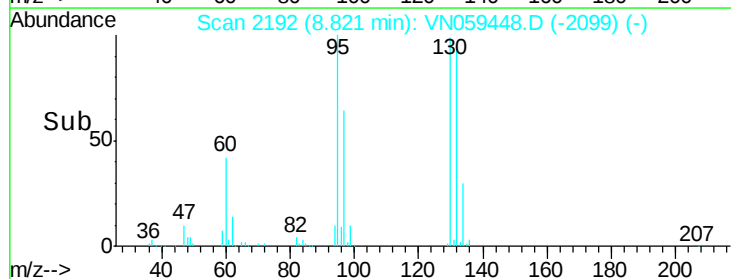
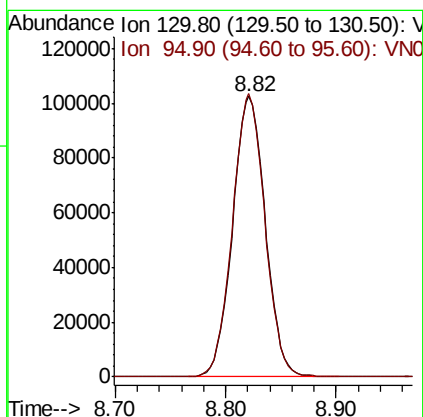
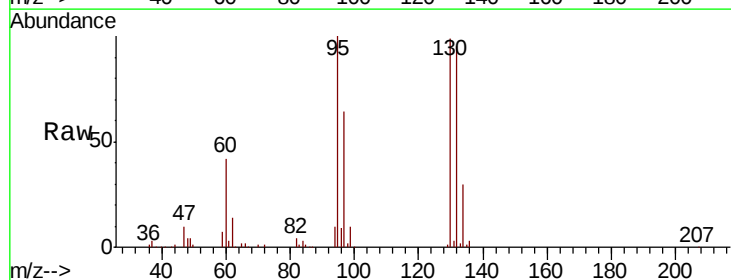
Instrument :
MSVOA_N
ClientSampled :

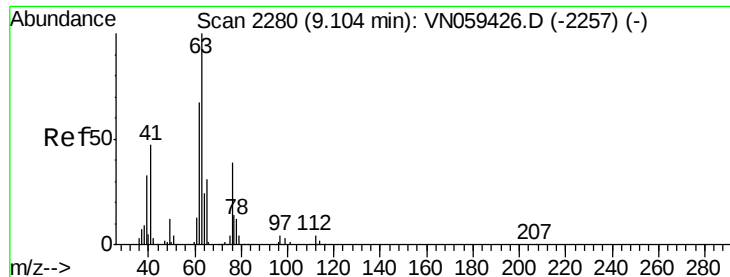
Tot Ion: 43 Resp: 452372
Ion Ratio Lower Upper
43 100
61 27.5 22.2 33.2
87 13.6 10.7 16.1



#44
Trichloroethene
Concen: 49.897 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion:130 Resp: 210550
Ion Ratio Lower Upper
130 100
95 100.9 0.0 199.6





#45

1,2-Dichloropropane

Concen: 49.915 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

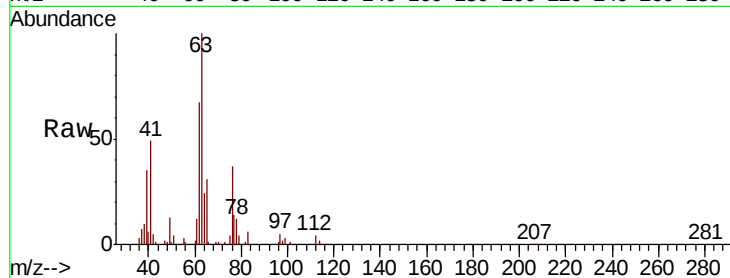
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 216070

Ion Ratio Lower Upper

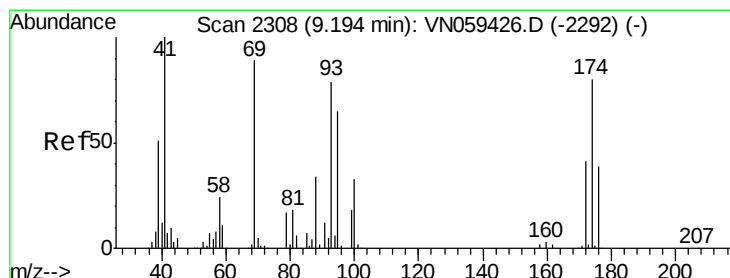
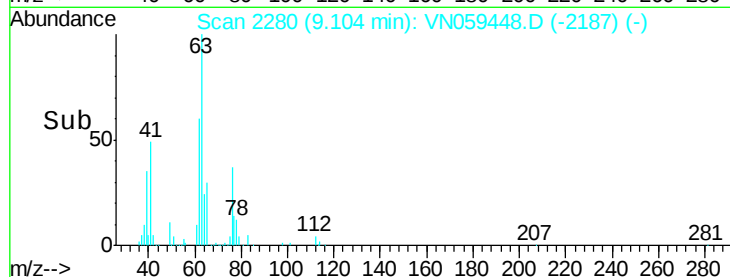
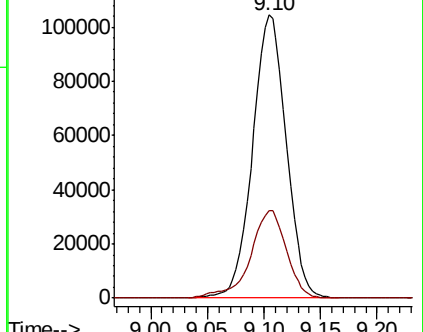
63 100

65 30.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN059448.D (-2187) (-)

Ion 64.90 (64.60 to 65.60): VN059448.D (-2187) (-)



#46

Dibromomethane

Concen: 49.656 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

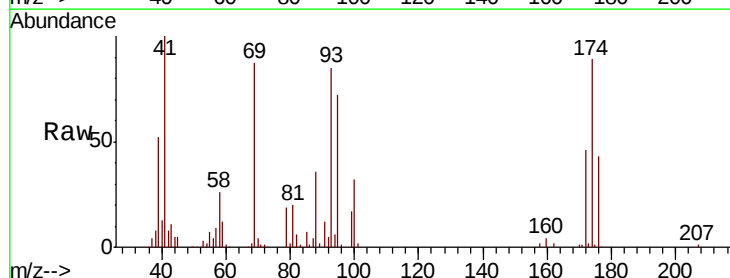
Tgt Ion: 93 Resp: 132647

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

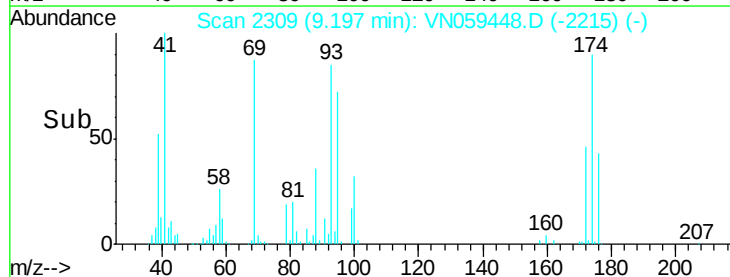
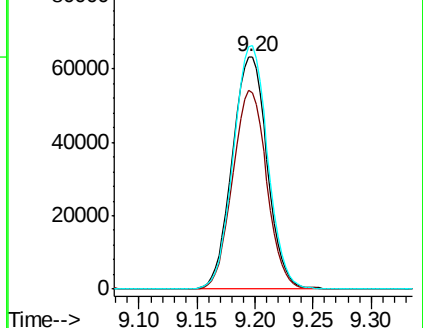
174 102.7 81.8 122.8

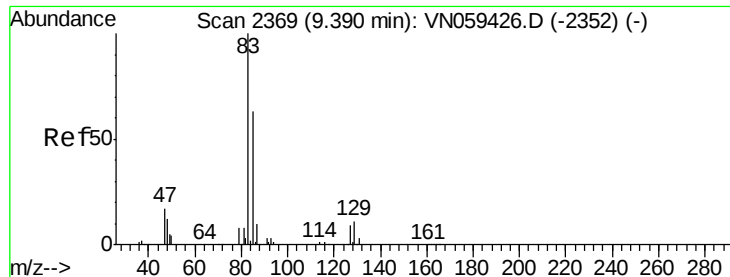


Abundance Ion 92.80 (92.50 to 93.50): VN059448.D (-2215) (-)

Ion 94.80 (94.50 to 95.50): VN059448.D (-2215) (-)

Ion 173.70 (173.40 to 174.40): VN059448.D (-2215) (-)





#47

Bromodichloromethane

Concen: 49.441 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

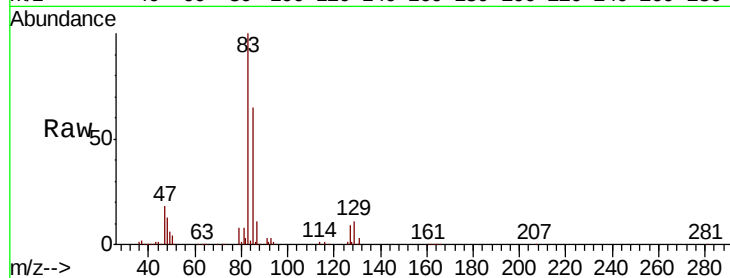
Tot Ion: 83 Resp: 267124

Ion Ratio Lower Upper

83 100

85 65.0 50.6 75.8

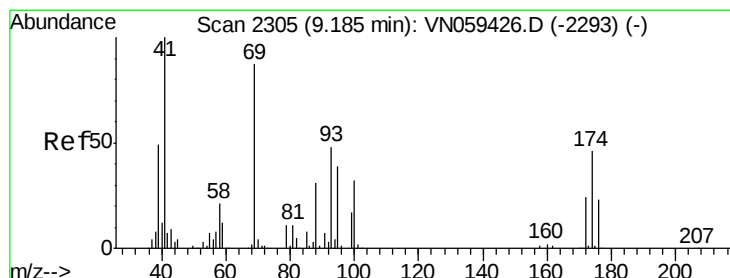
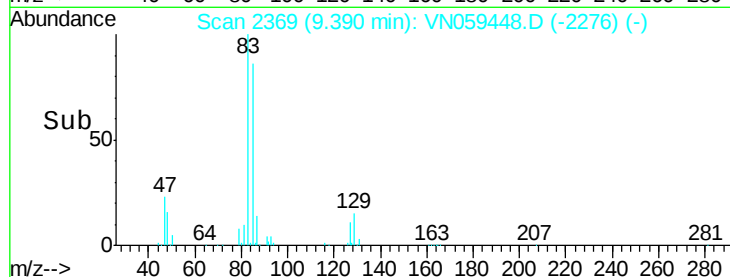
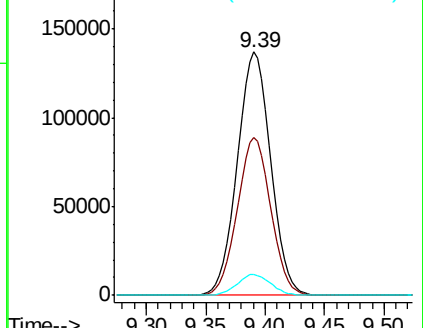
127 8.6 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN059448.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059448.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059448.D (-2276) (-)



#48

Methyl methacrylate

Concen: 50.009 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

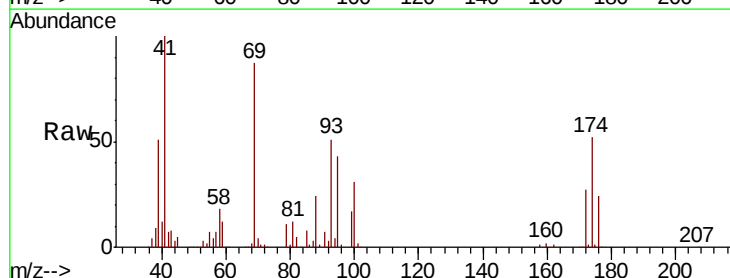
Tgt Ion: 41 Resp: 198761

Ion Ratio Lower Upper

41 100

69 90.4 71.6 107.4

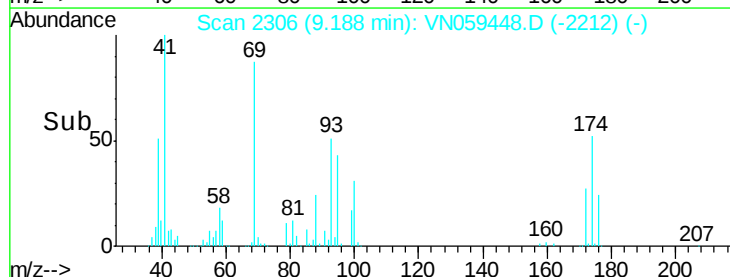
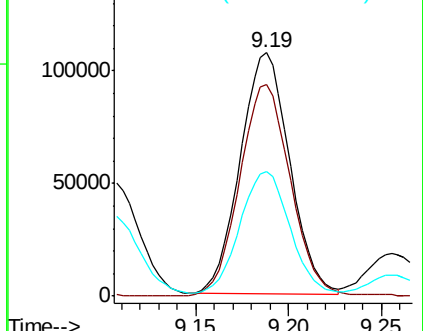
39 50.9 41.3 61.9

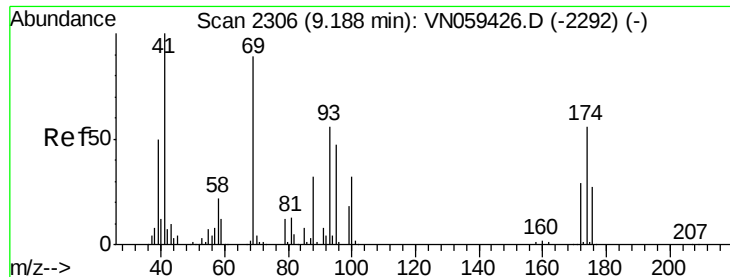


Abundance Ion 41.00 (40.70 to 41.70): VN059448.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059448.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059448.D (-2212) (-)

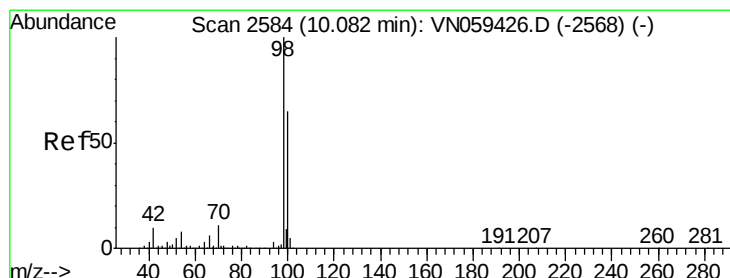
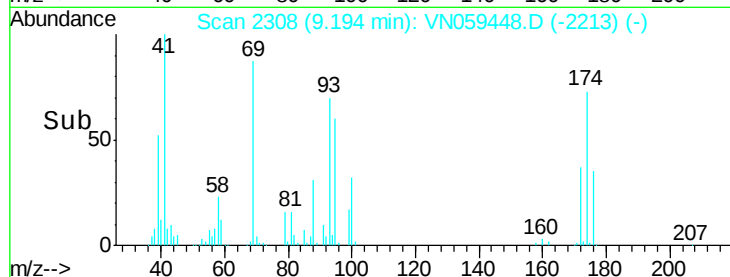
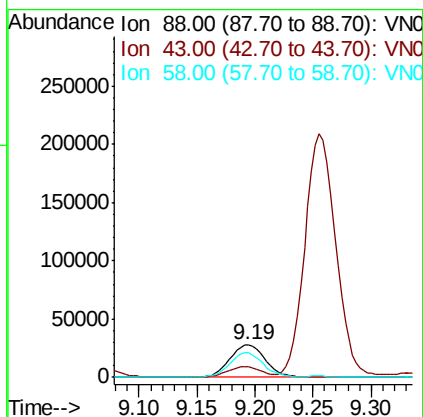
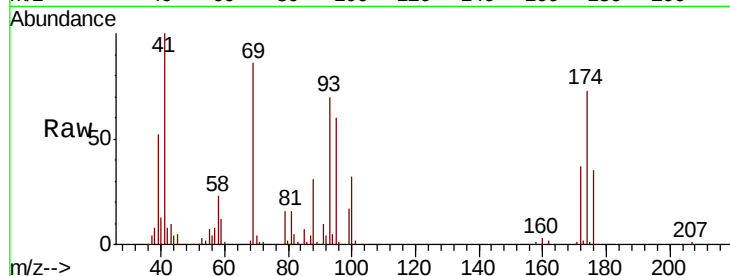




#49
1,4-Dioxane
Concen: 1028.928 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

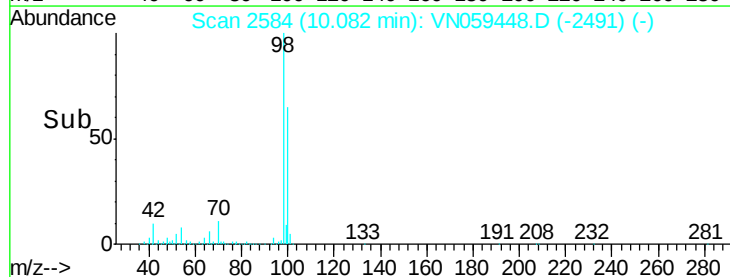
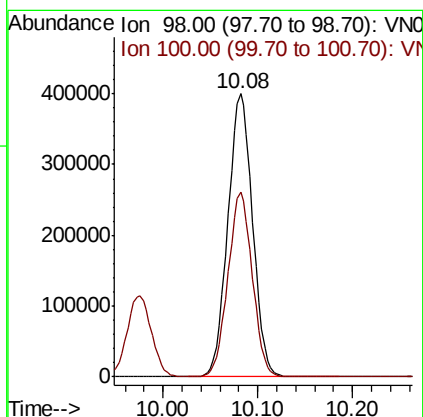
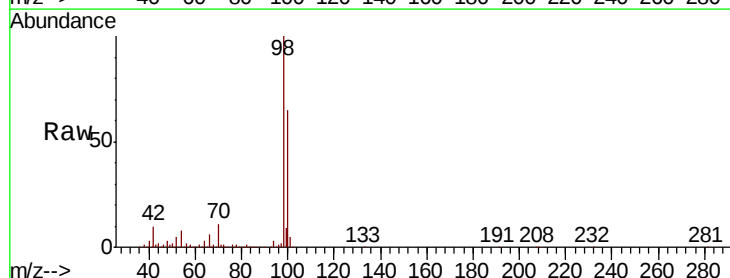
Instrument :
MSVOA_N
ClientSampled :

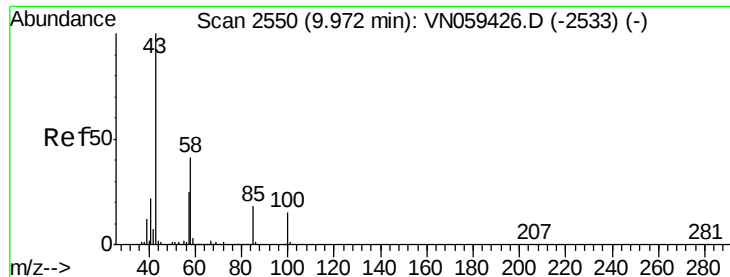
Tot Ion: 88 Resp: 59727
Ion Ratio Lower Upper
88 100
43 31.6 23.7 35.5
58 71.6 56.3 84.5



#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 98 Resp: 724504
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 266.976 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

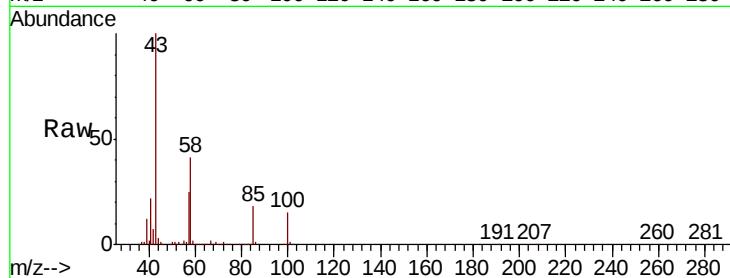
ClientSampled :

Tot Ion: 43 Resp: 1387289

Ion Ratio Lower Upper

43 100

58 40.4 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

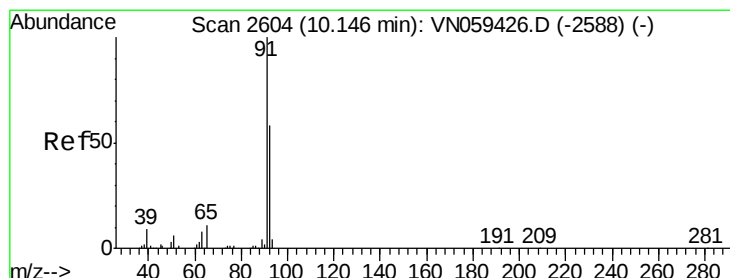
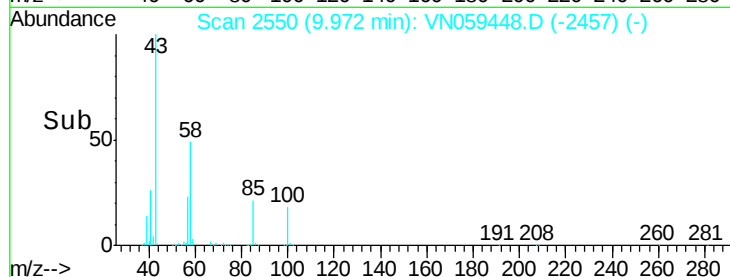
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.710 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059448.D

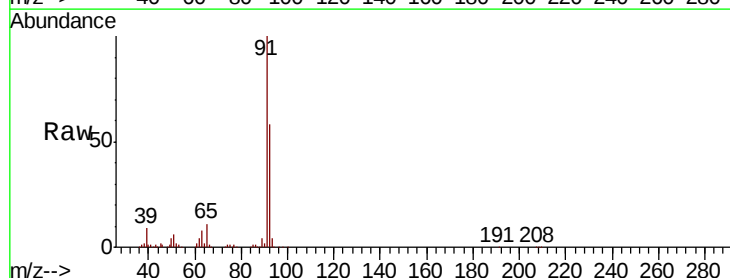
Acq: 29 Nov 2019 15:07

Tgt Ion: 92 Resp: 491480

Ion Ratio Lower Upper

92 100

91 172.8 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

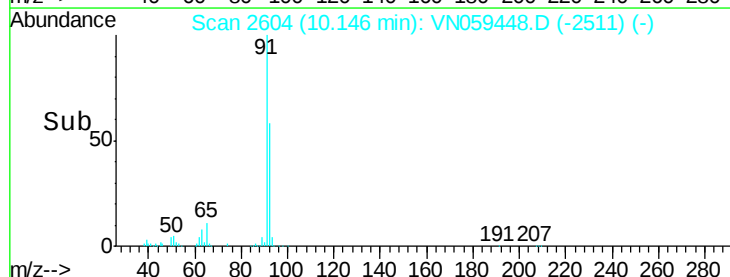
300000

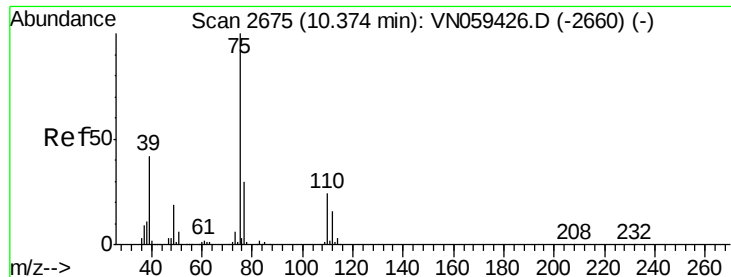
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.314 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

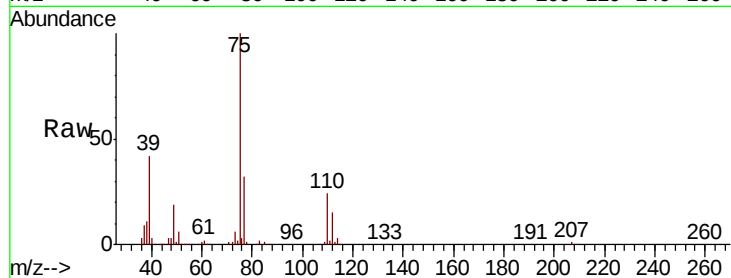
ClientSampled :

Tot Ion: 75 Resp: 312363

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

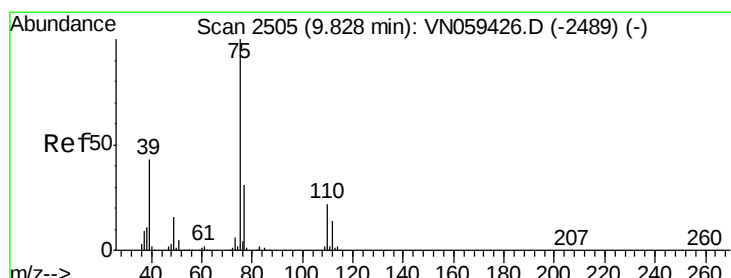
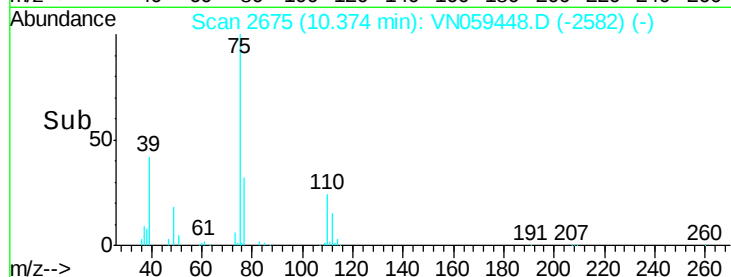
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.050 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

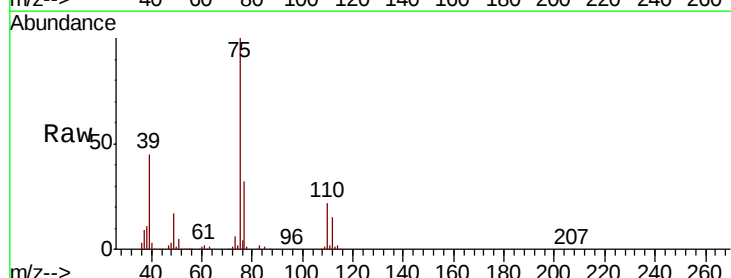
Tgt Ion: 75 Resp: 342125

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 44.5 34.0 51.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

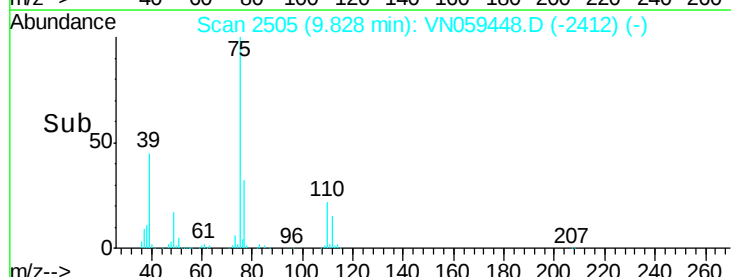
150000

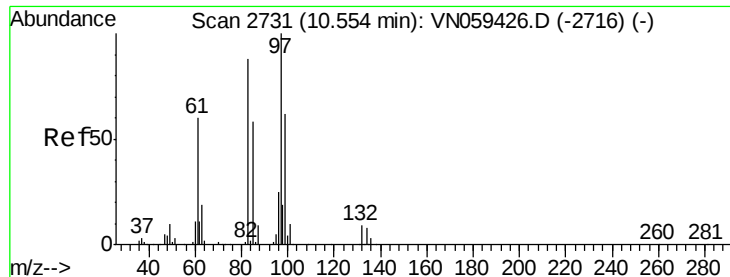
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.668 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

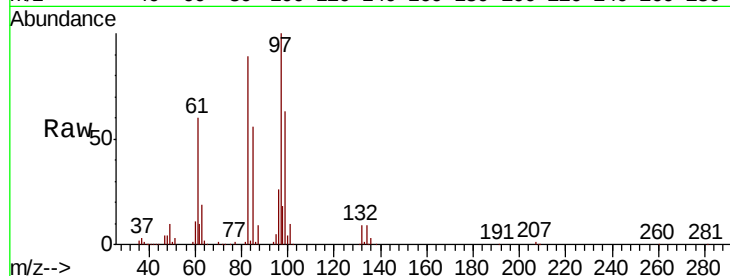
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 192207

Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.7	106.1
85	56.3	46.4	69.6
99	62.5	49.6	74.4



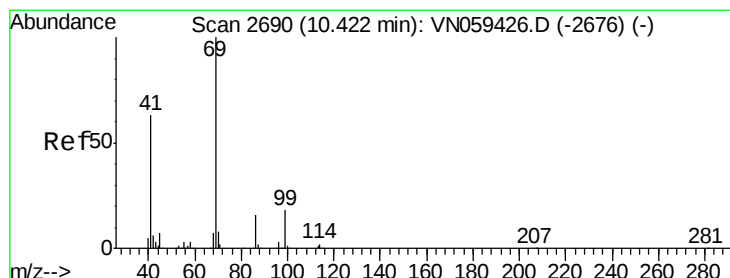
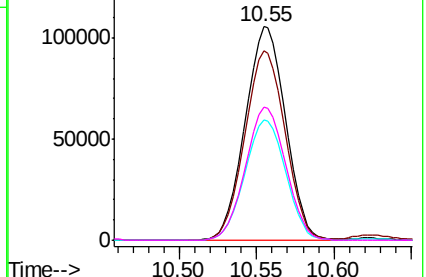
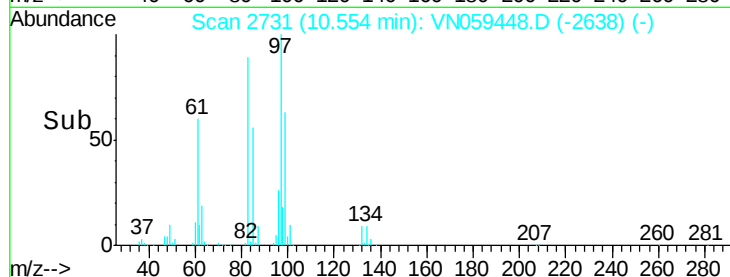
Abundance

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: 54.401 ug/l

RT: 10.42 min Scan# 2690

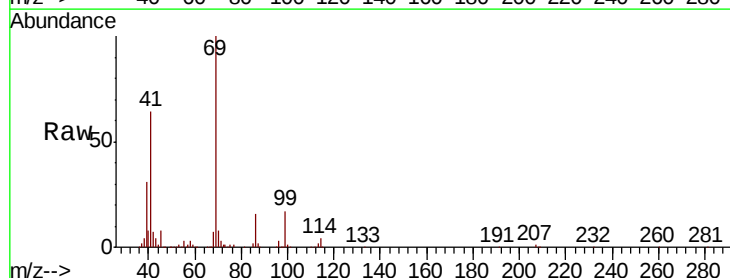
Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Tgt Ion: 69 Resp: 298752

Ion	Ratio	Lower	Upper
69	100		
41	63.6	50.1	75.1
39	30.2	23.9	35.9

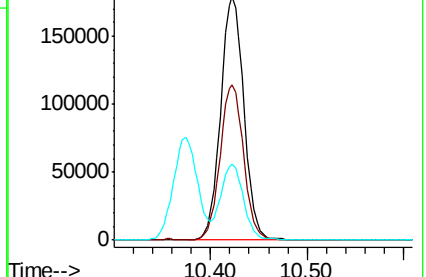
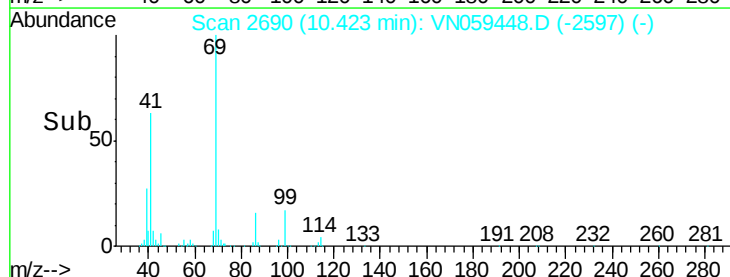


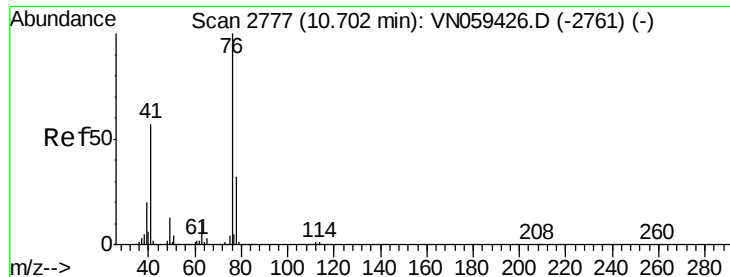
Abundance

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: 49.553 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

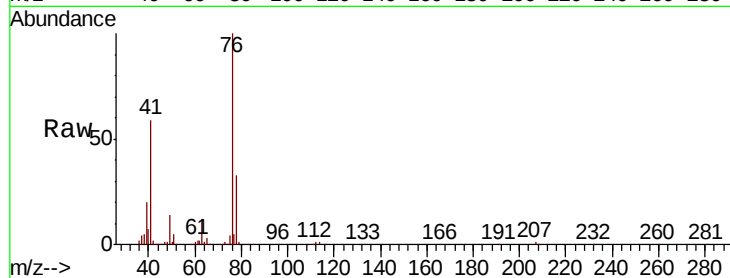
ClientSampleId :

Tot Ion: 76 Resp: 331432

Ion Ratio Lower Upper

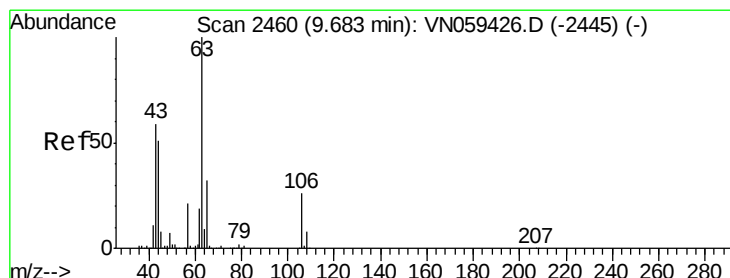
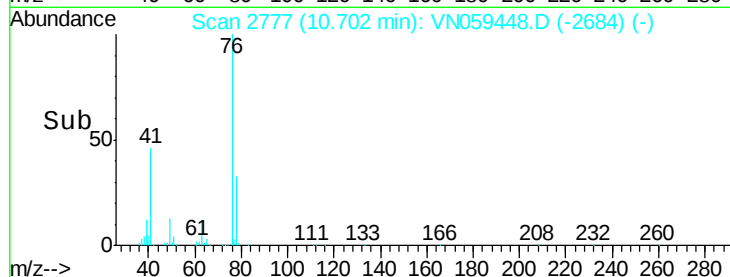
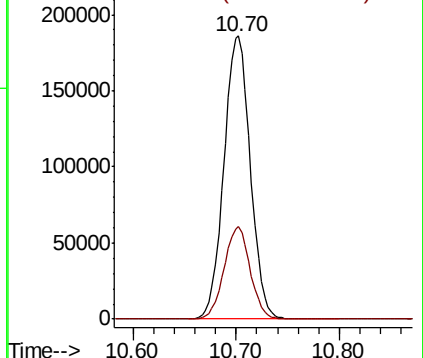
76 100

78 32.3 25.5 38.3



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: 332.202 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059448.D

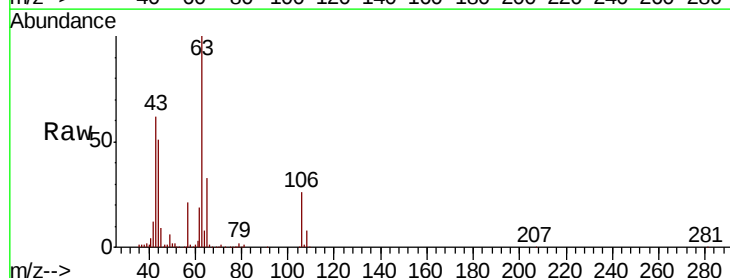
Acq: 29 Nov 2019 15:07

Tgt Ion: 63 Resp: 550824

Ion Ratio Lower Upper

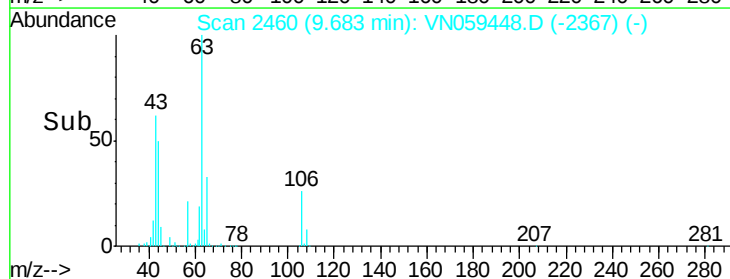
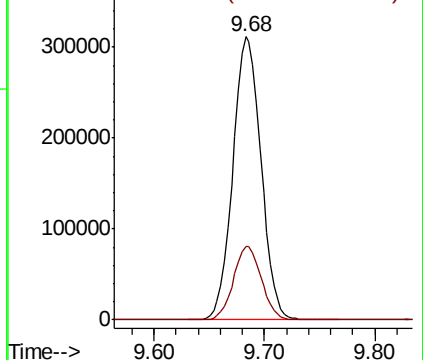
63 100

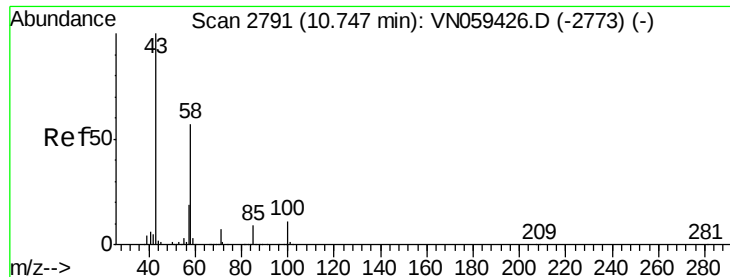
106 25.9 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

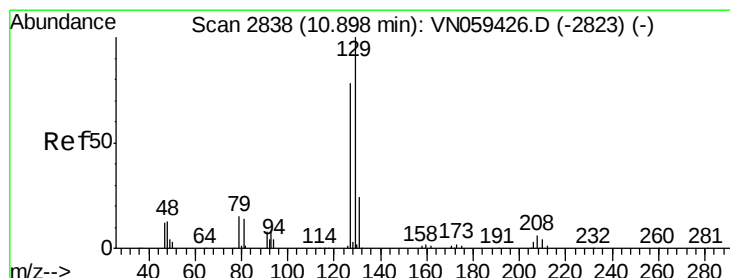
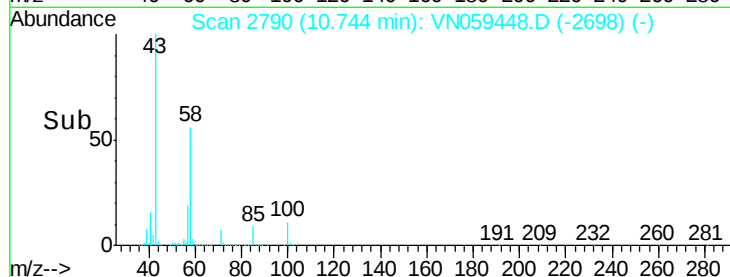
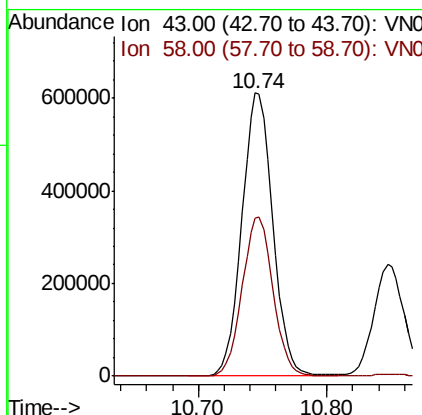
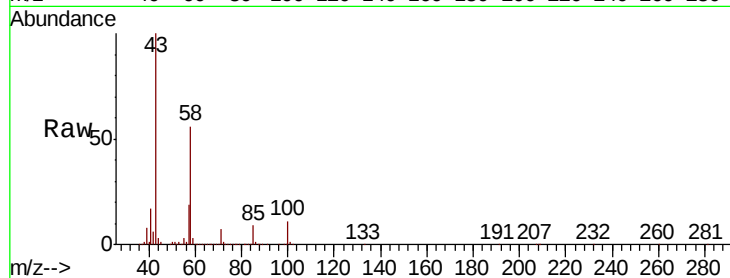




#59
2-Hexanone
Concen: 264.447 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

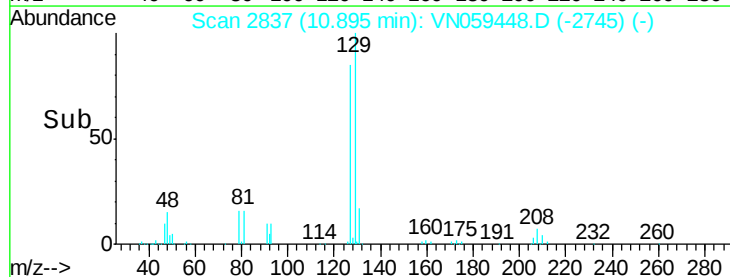
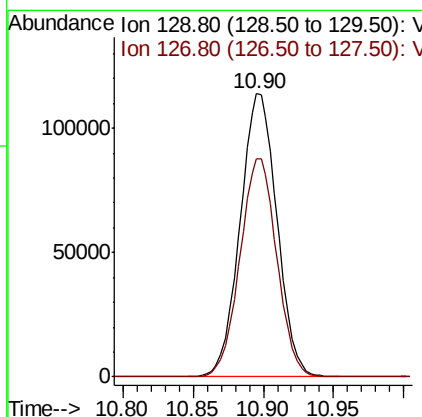
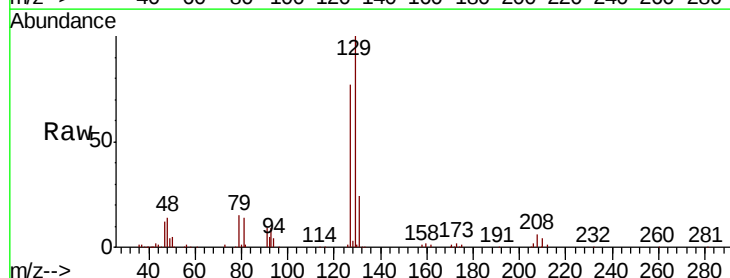
Instrument :
MSVOA_N
ClientSampleId :

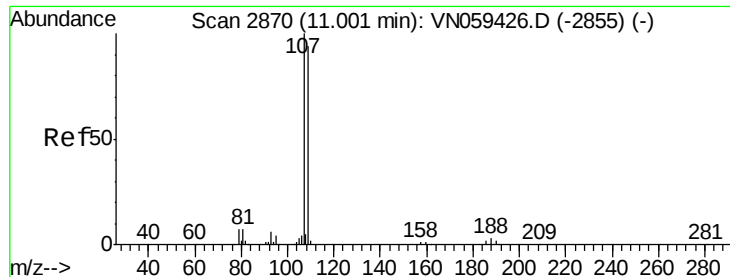
Tot Ion: 43 Resp: 1018957
Ion Ratio Lower Upper
43 100
58 56.2 28.3 85.0



#60
Dibromochloromethane
Concen: 51.523 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 129 Resp: 208126
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

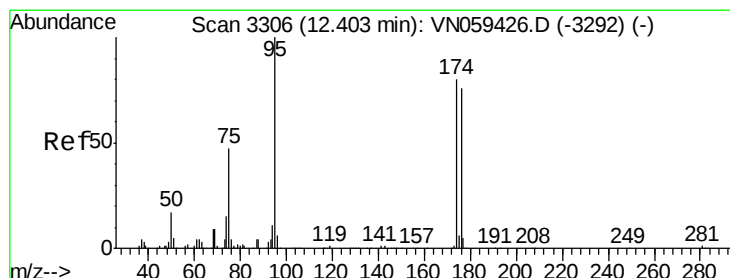
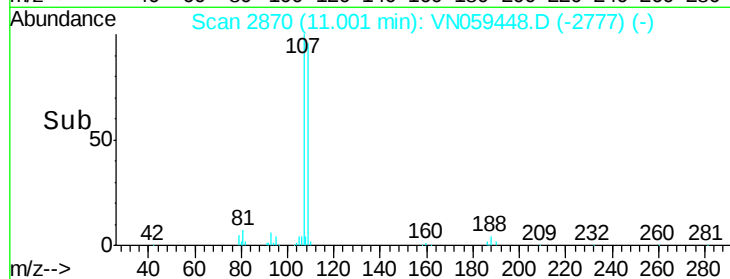
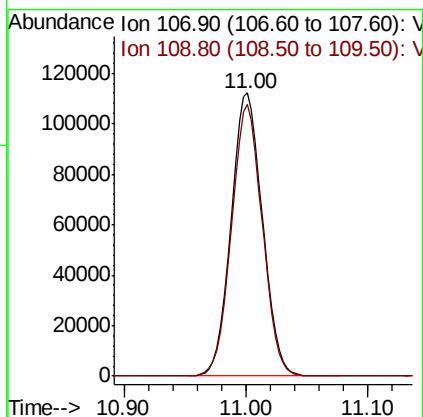
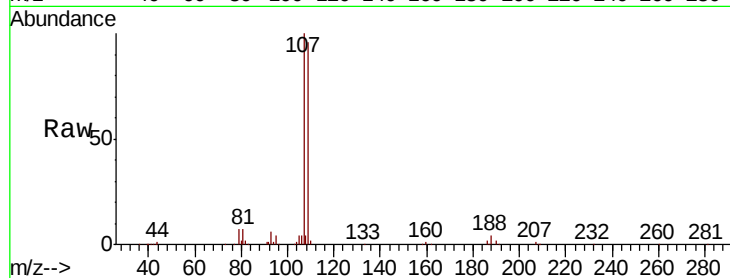




#61
 1,2-Dibromoethane
 Concen: 50.359 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

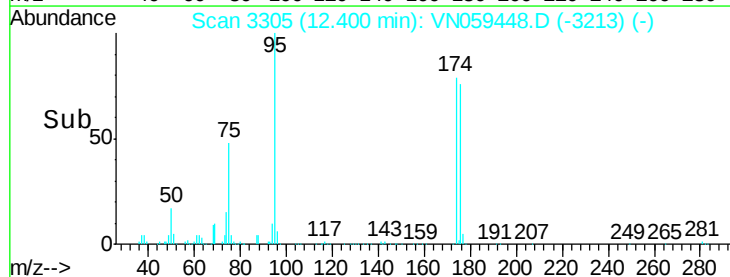
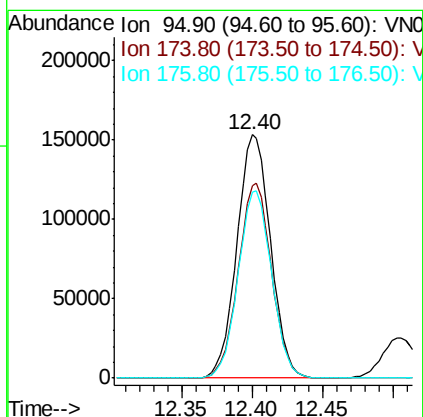
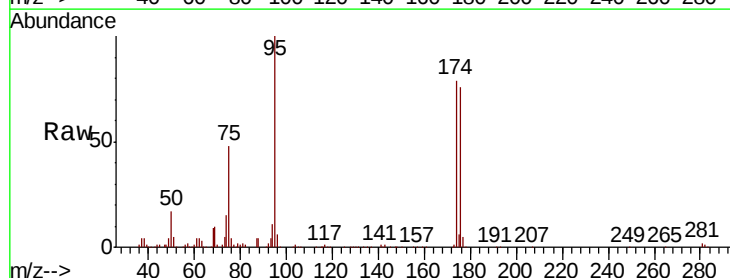
Instrument :
 MSVOA_N
 ClientSampleId :

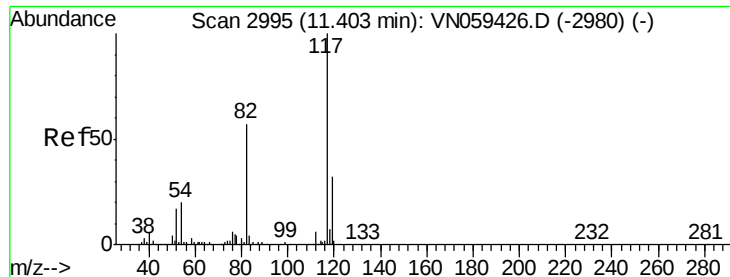
Tot Ion:107 Resp: 199700
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 52.429 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

Tgt Ion: 95 Resp: 256792
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 158.0
 176 76.4 0.0 153.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

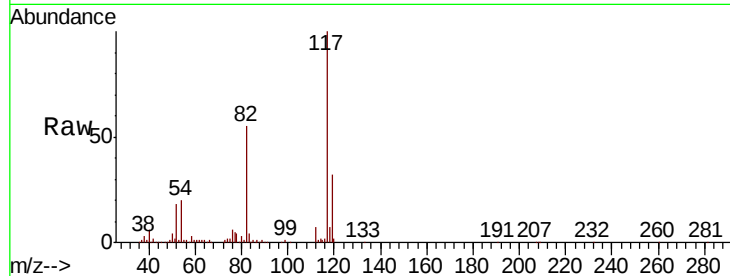
Tot Ion:117 Resp: 524587

Ion Ratio Lower Upper

117 100

82 54.9 45.4 68.0

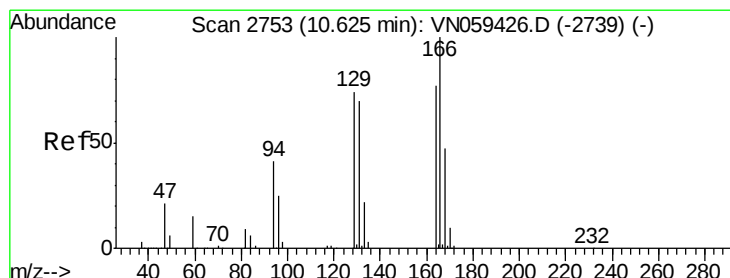
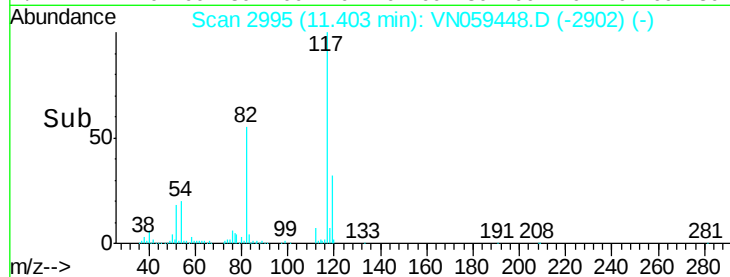
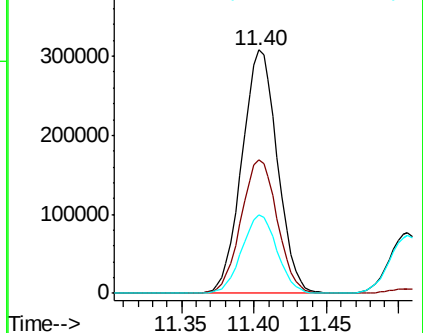
119 32.0 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.929 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Tgt Ion:164 Resp: 201490

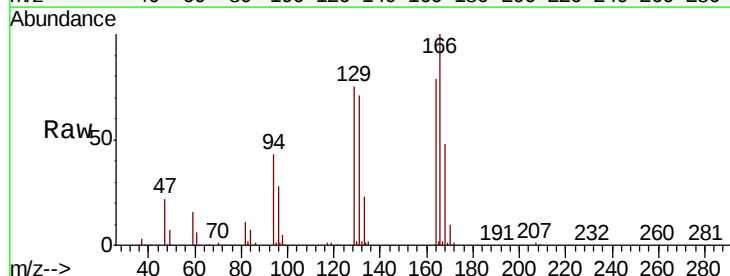
Ion Ratio Lower Upper

164 100

166 126.1 104.2 156.4

129 94.5 76.8 115.2

131 89.8 73.0 109.6

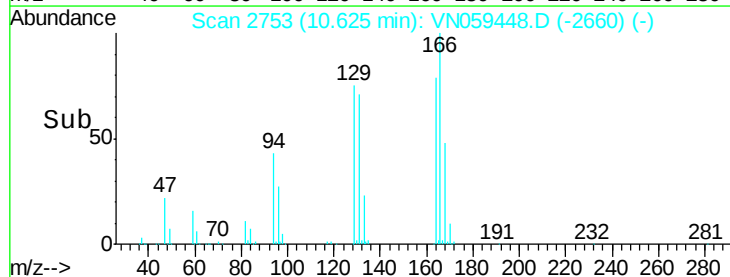
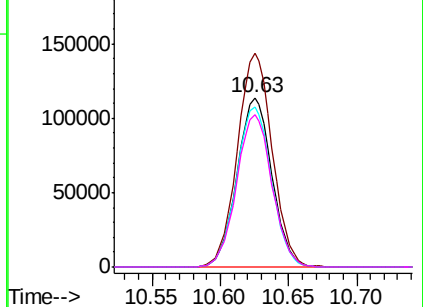


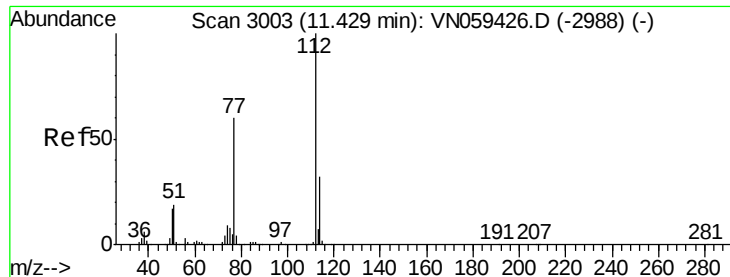
Abundance Ion 163.80 (163.50 to 164.50): V

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

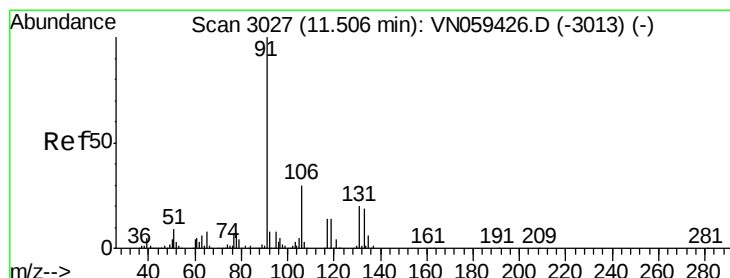
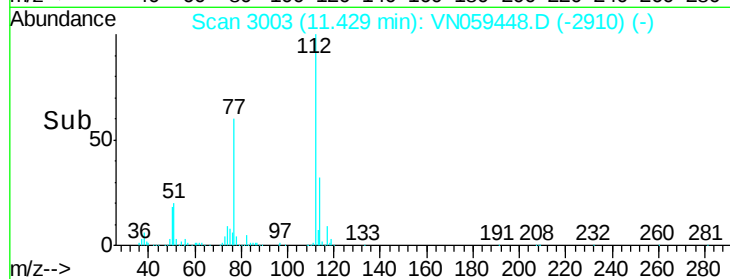
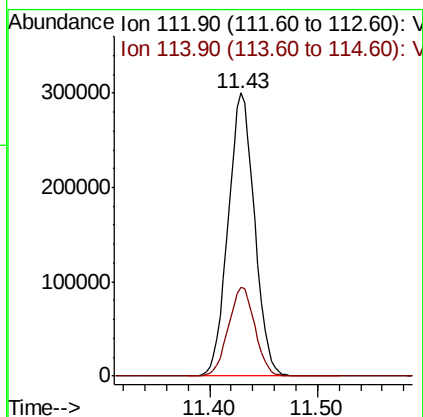
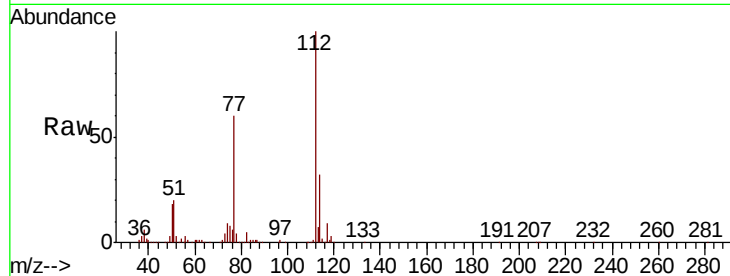




#65
Chlorobenzene
Concen: 48.212 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

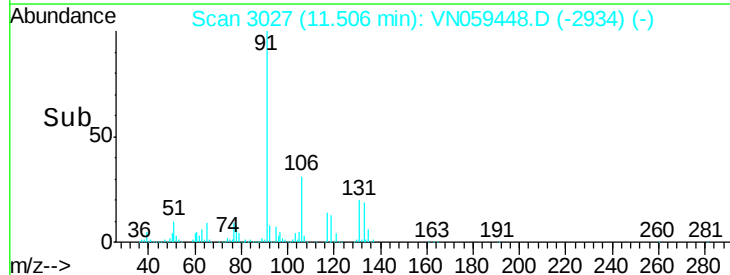
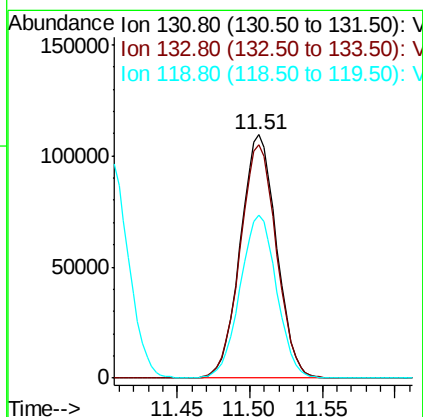
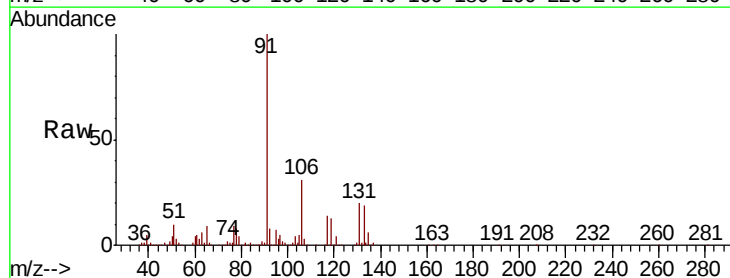
Instrument :
MSVOA_N
ClientSampled :

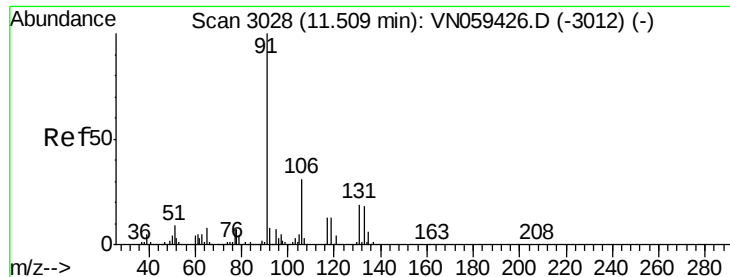
Tot Ion:112 Resp: 512011
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 49.360 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion:131 Resp: 190098
Ion Ratio Lower Upper
131 100
133 96.6 48.2 144.6
119 67.6 33.8 101.3





#67

Ethyl Benzene

Concen: 49.886 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

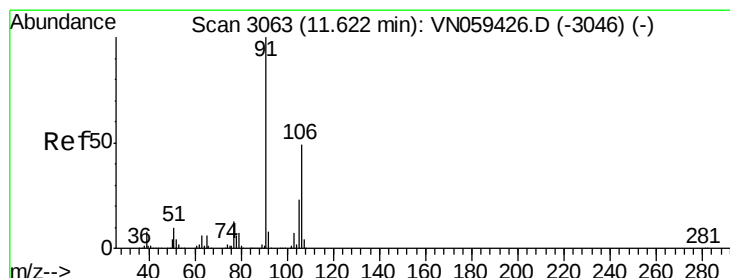
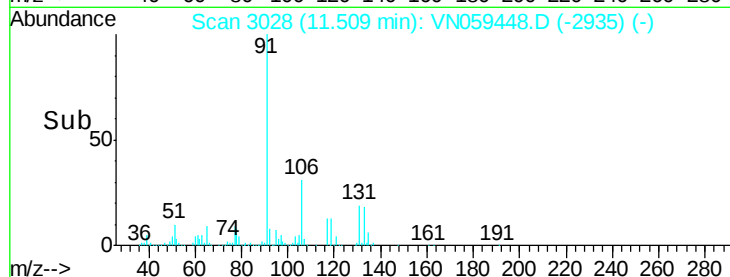
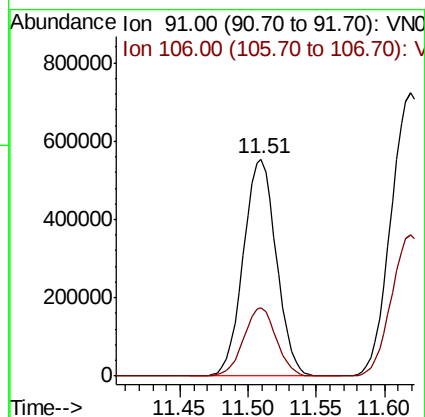
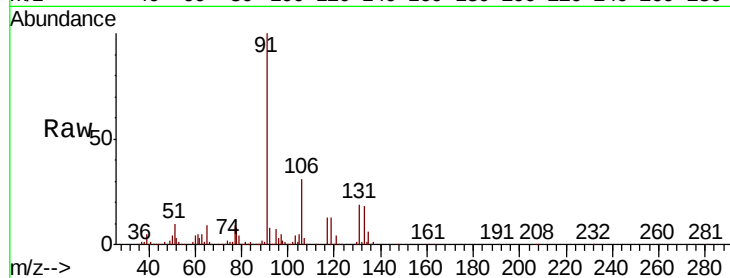
ClientSampled :

Tot Ion: 91 Resp: 930566

Ion Ratio Lower Upper

91 100

106 31.3 24.7 37.1



#68

m/p-Xylenes

Concen: 99.920 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059448.D

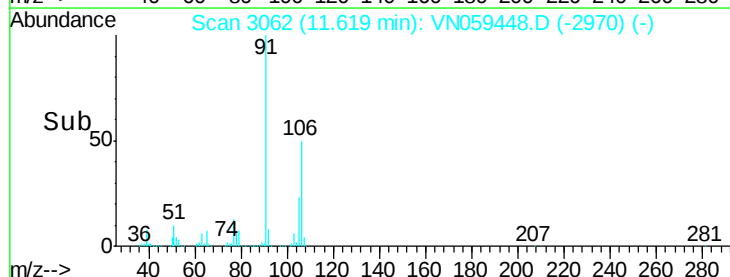
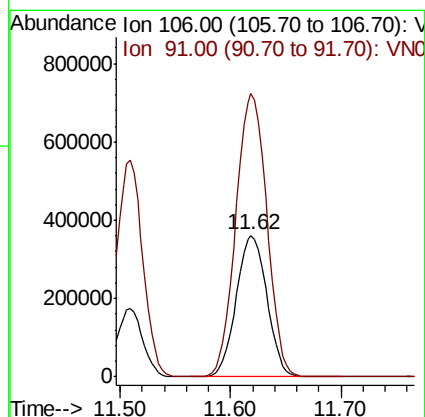
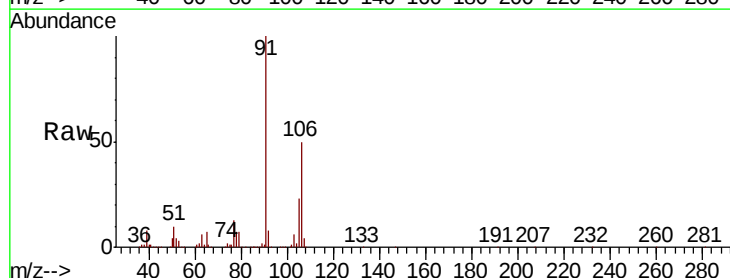
Acq: 29 Nov 2019 15:07

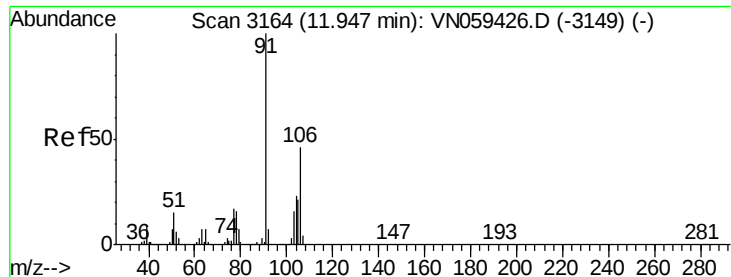
Tgt Ion: 106 Resp: 695898

Ion Ratio Lower Upper

106 100

91 202.3 163.7 245.5

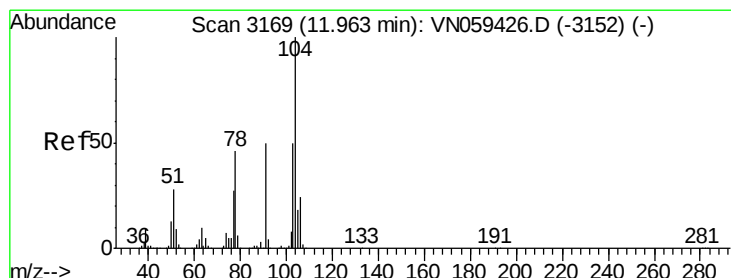
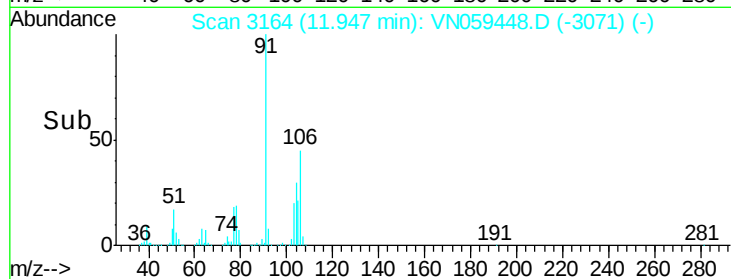
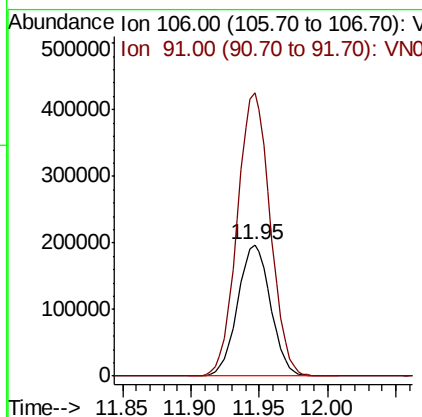
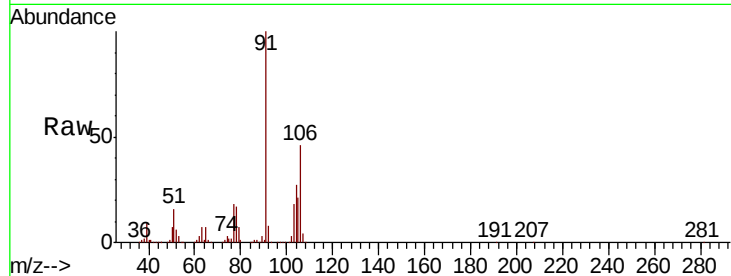




#69
o-Xylene
Concen: 49.397 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

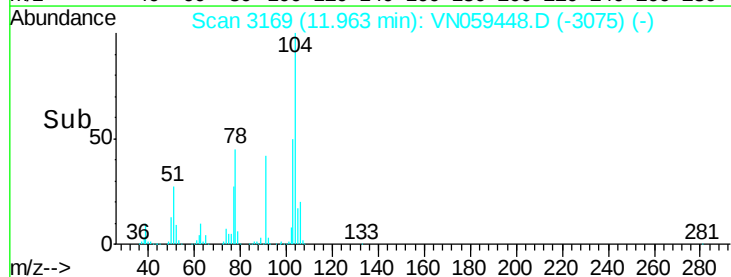
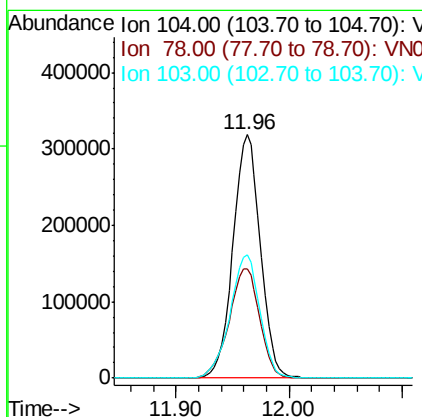
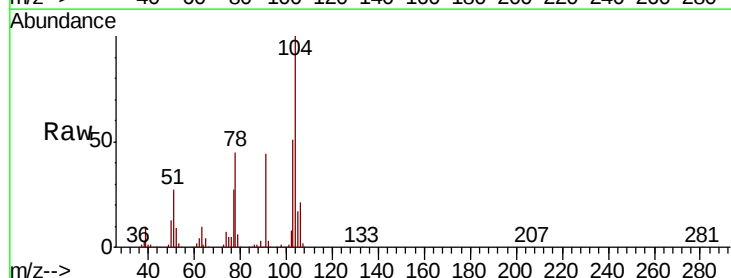
Instrument :
MSVOA_N
ClientSampleId :

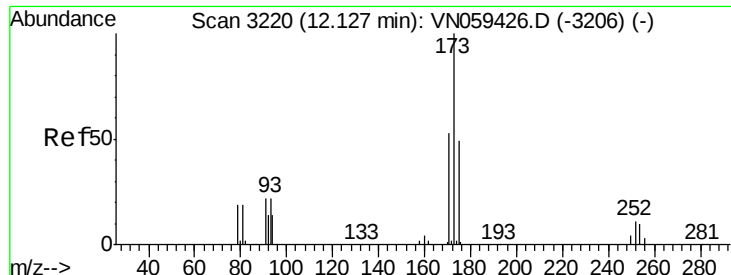
Tot Ion:106 Resp: 329939
Ion Ratio Lower Upper
106 100
91 216.1 107.5 322.4



#70
Styrene
Concen: 53.193 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion:104 Resp: 536497
Ion Ratio Lower Upper
104 100
78 50.4 40.4 60.6
103 55.2 43.8 65.6





#71

Bromoform

Concen: 51.557 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

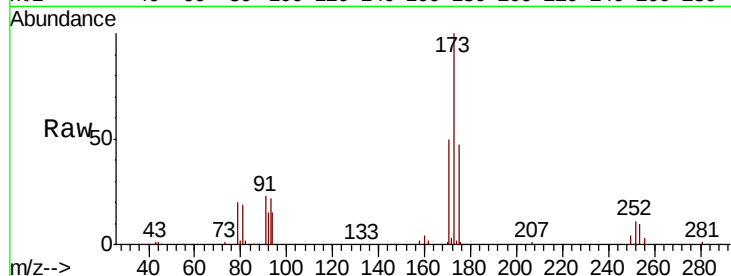
Tot Ion:173 Resp: 151190

Ion Ratio Lower Upper

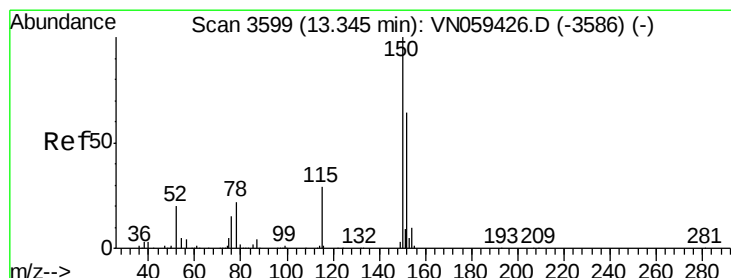
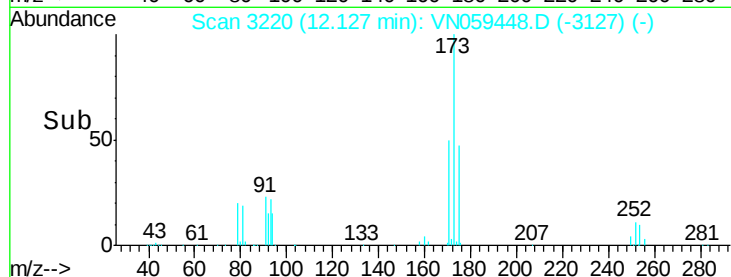
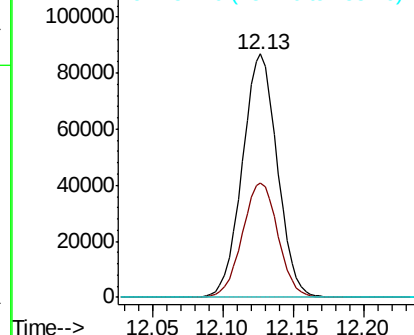
173 100

175 47.6 24.1 72.3

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

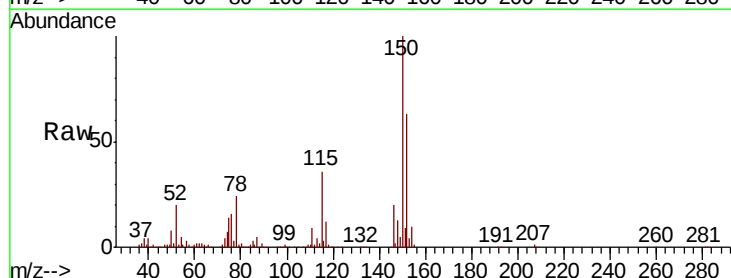
Tgt Ion:152 Resp: 246642

Ion Ratio Lower Upper

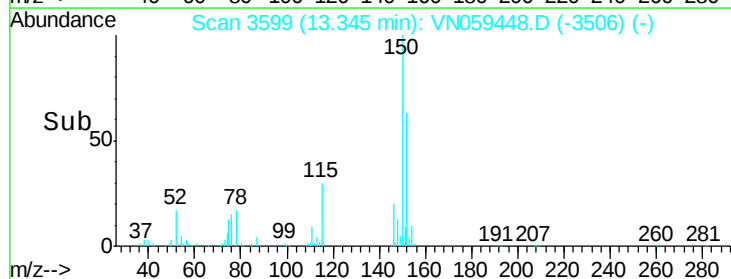
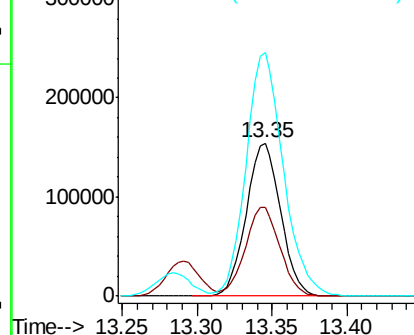
152 100

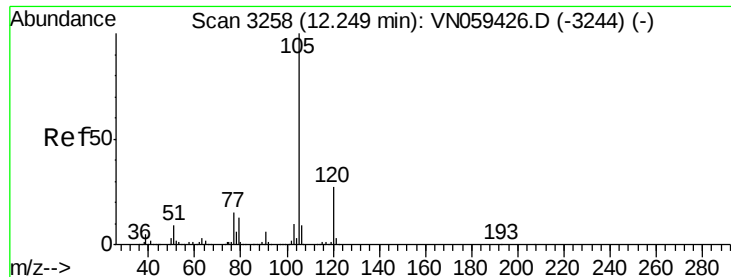
115 58.9 29.5 88.6

150 172.8 0.0 347.2



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





#73

Isopropylbenzene

Concen: 48.736 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

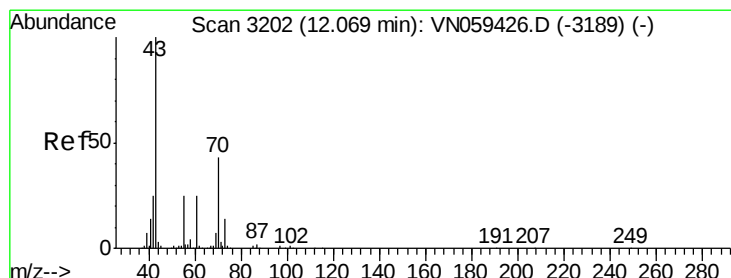
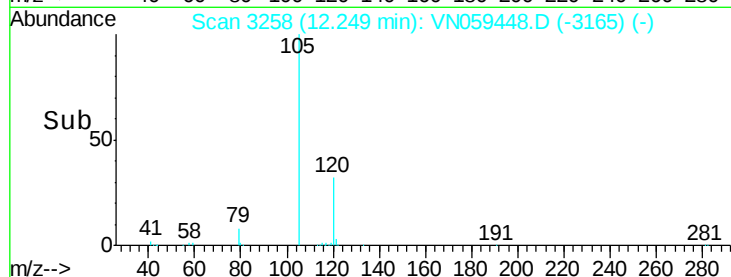
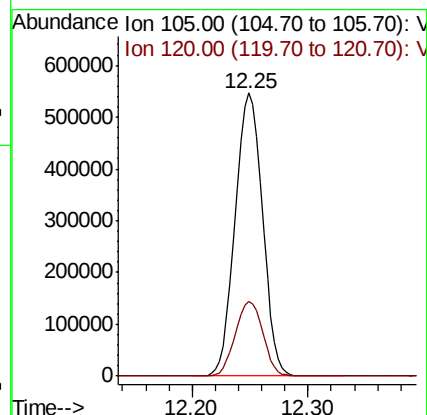
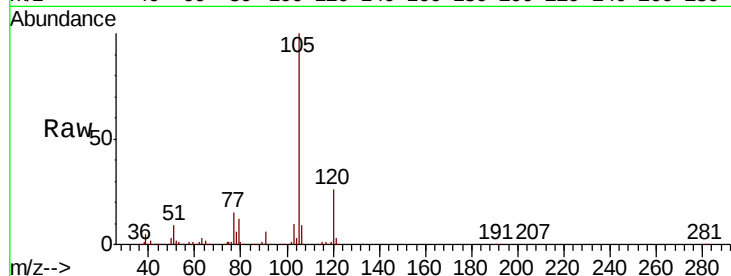
ClientSampleId :

Tot Ion: 105 Resp: 890481

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 54.198 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Tgt Ion: 43 Resp: 352874

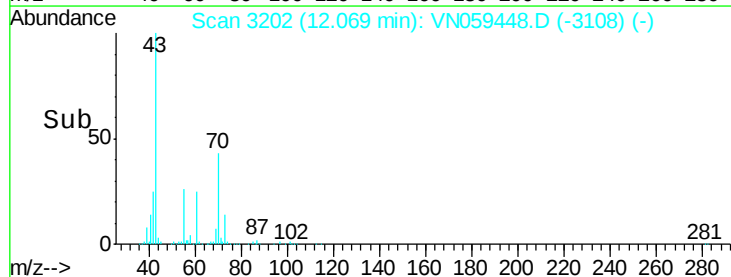
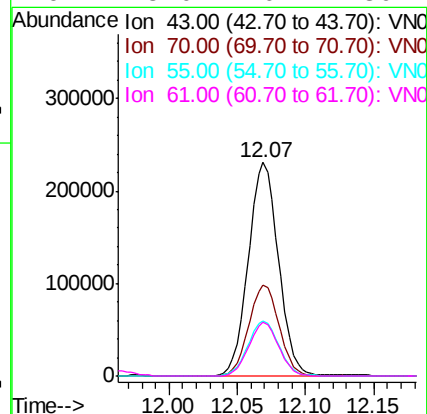
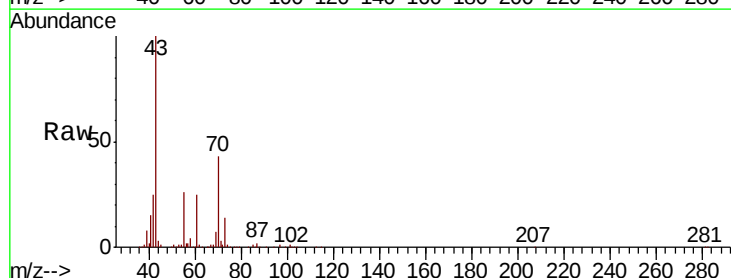
Ion Ratio Lower Upper

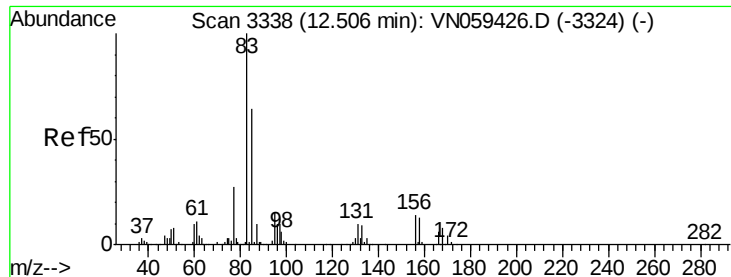
43 100

70 43.4 34.6 52.0

55 26.5 20.5 30.7

61 25.0 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.270 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

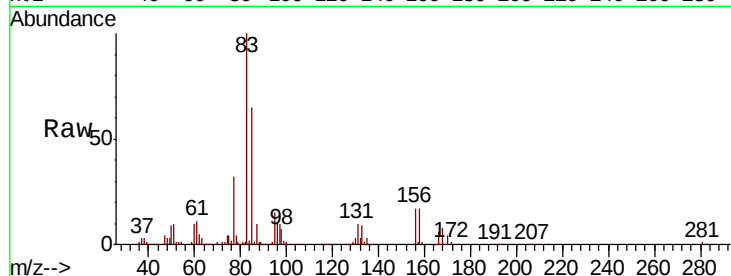
Tot Ion: 83 Resp: 281659

Ion Ratio Lower Upper

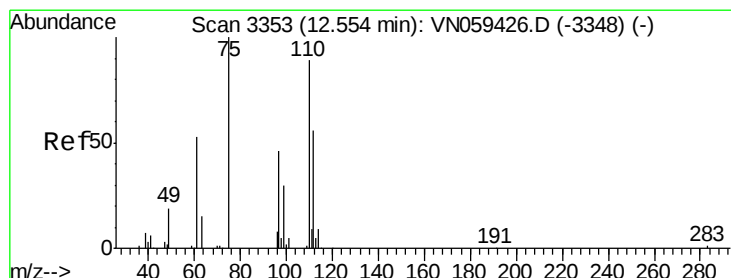
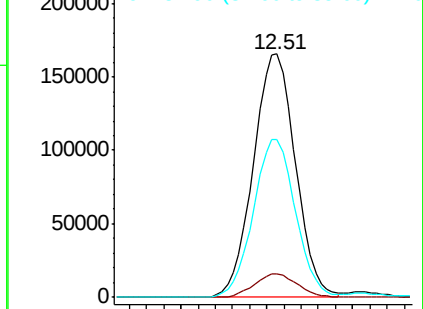
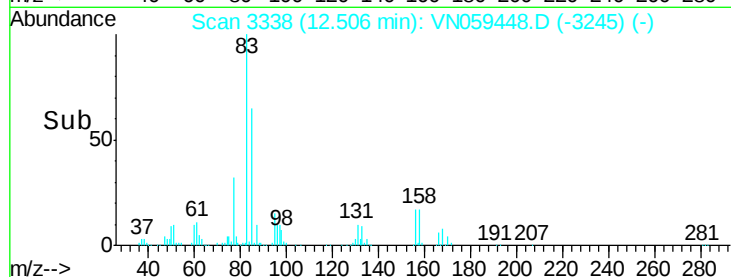
83 100

131 9.9 5.0 15.0

85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN059448.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 68.146 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059448.D

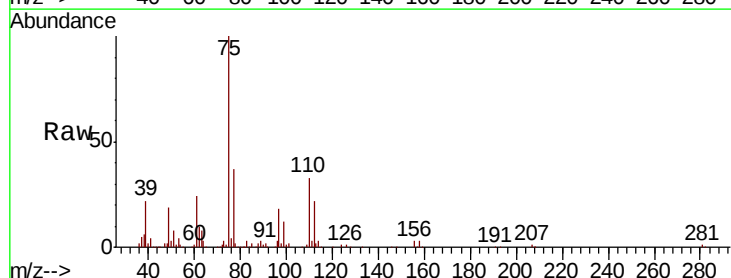
Acq: 29 Nov 2019 15:07

Tgt Ion: 75 Resp: 380235

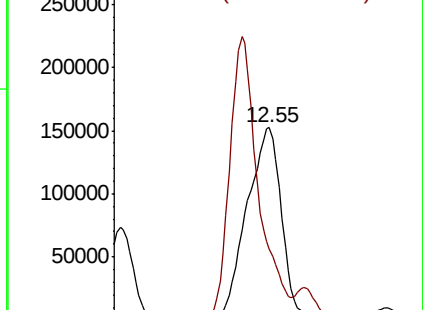
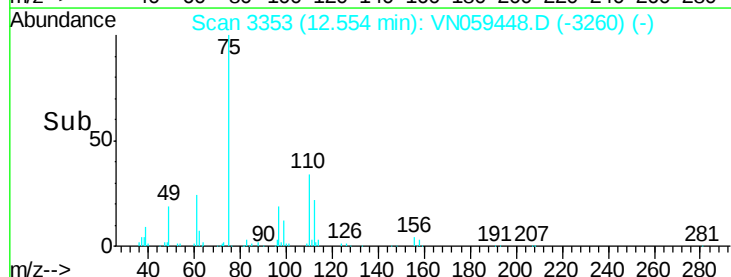
Ion Ratio Lower Upper

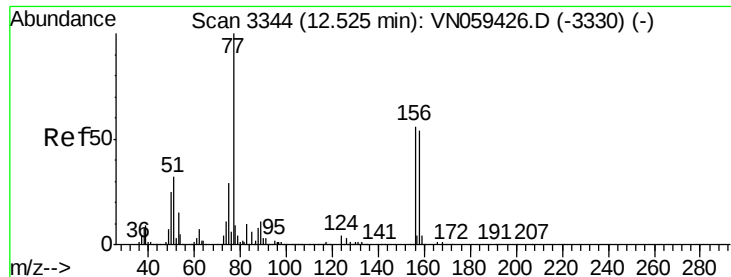
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059448.D (-3260) (-)





#77

Bromobenzene

Concen: 48.142 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

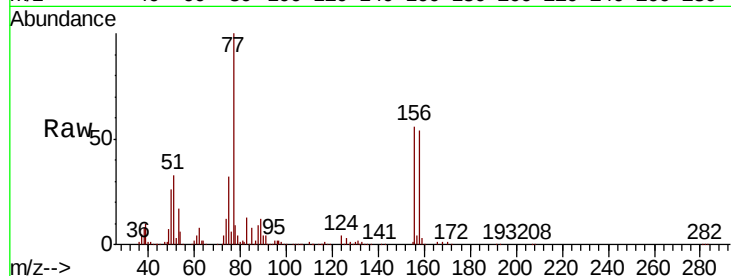
Tot Ion:156 Resp: 215359

Ion Ratio Lower Upper

156 100

77 216.9 108.7 326.3

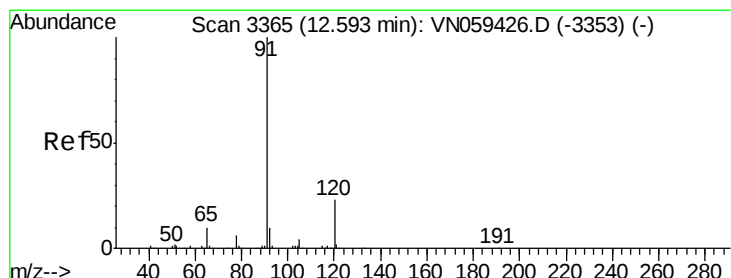
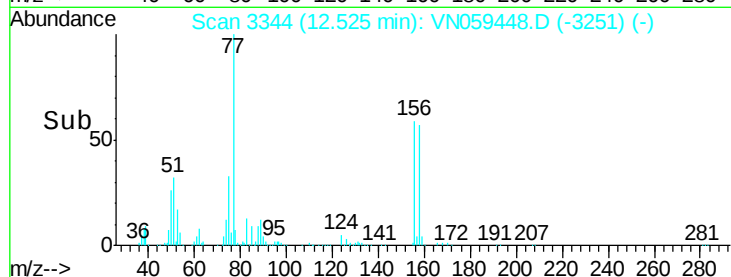
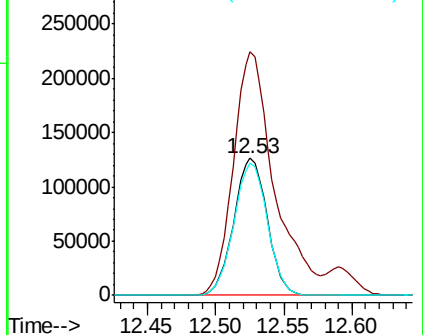
158 96.8 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.160 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059448.D

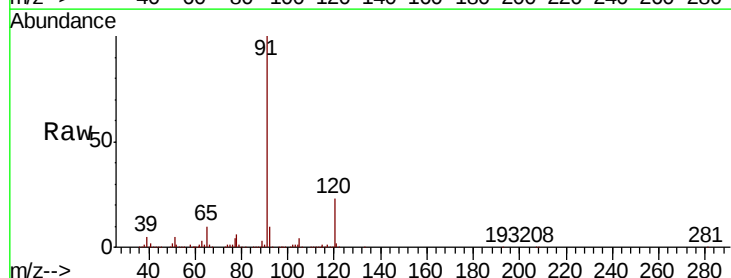
Acq: 29 Nov 2019 15:07

Tgt Ion: 91 Resp: 1035097

Ion Ratio Lower Upper

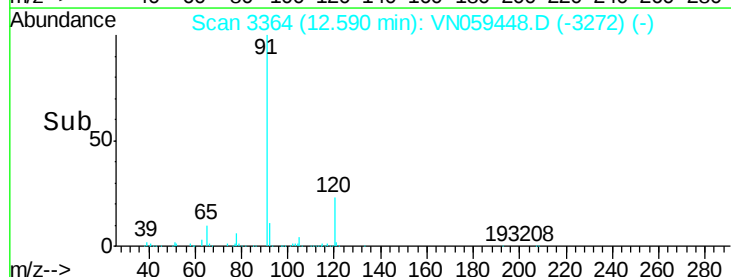
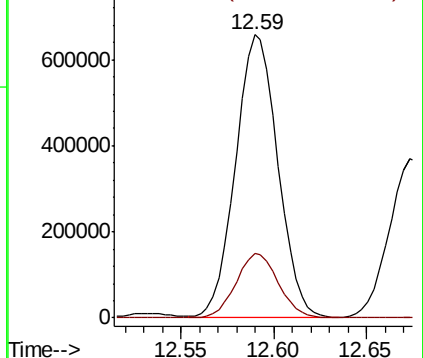
91 100

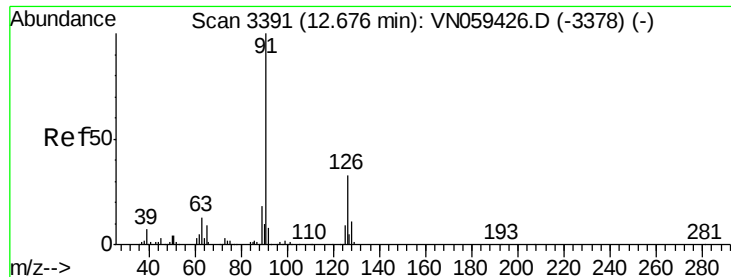
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.233 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

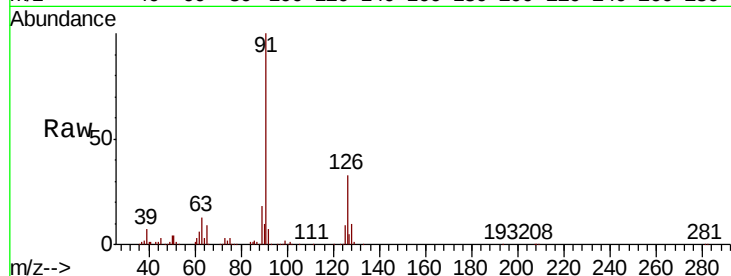
ClientSampleId :

Tot Ion: 91 Resp: 607168

Ion Ratio Lower Upper

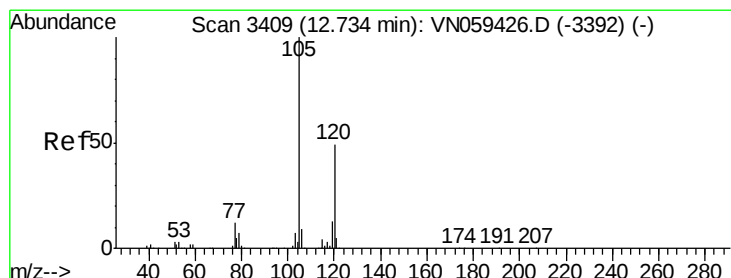
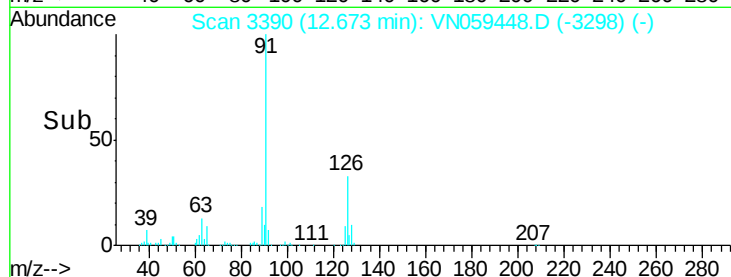
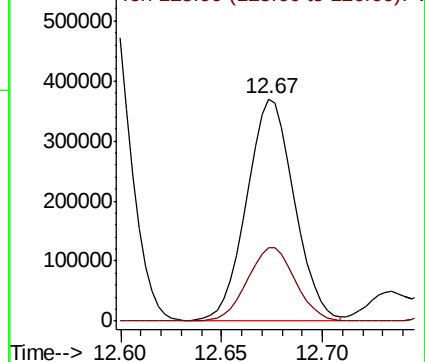
91 100

126 33.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.764 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059448.D

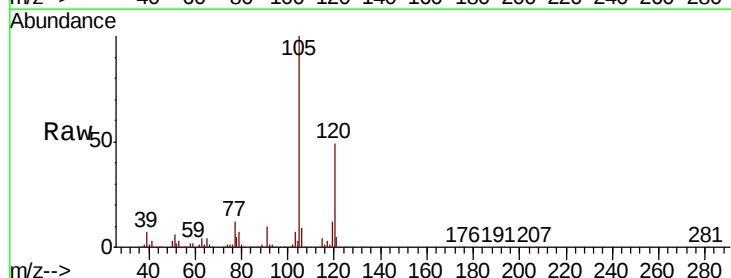
Acq: 29 Nov 2019 15:07

Tgt Ion:105 Resp: 748960

Ion Ratio Lower Upper

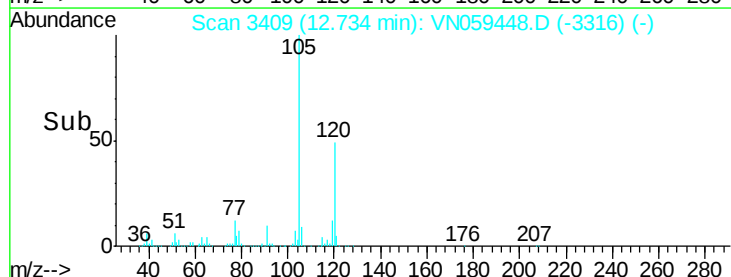
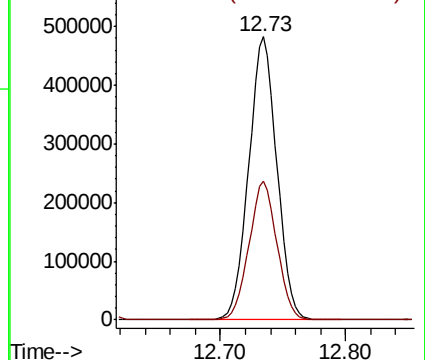
105 100

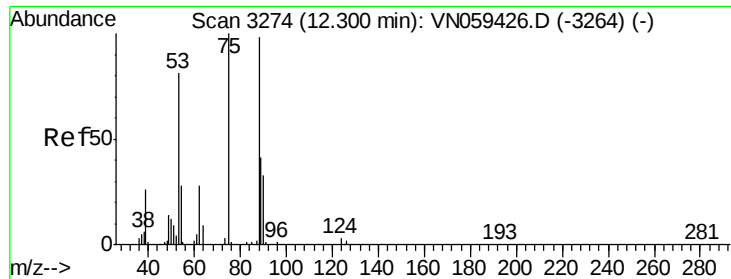
120 48.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.009 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

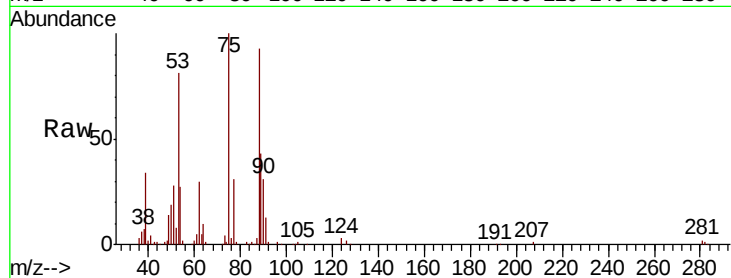
Tot Ion: 75 Resp: 106425

Ion Ratio Lower Upper

75 100

53 82.0 66.2 99.4

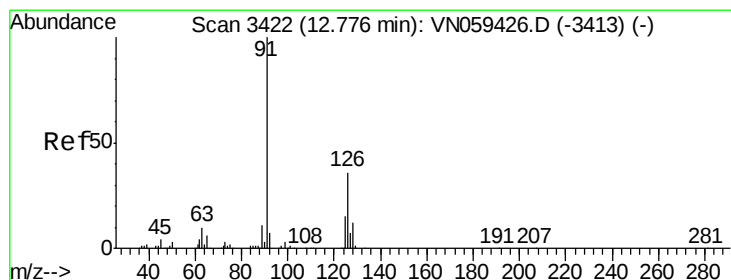
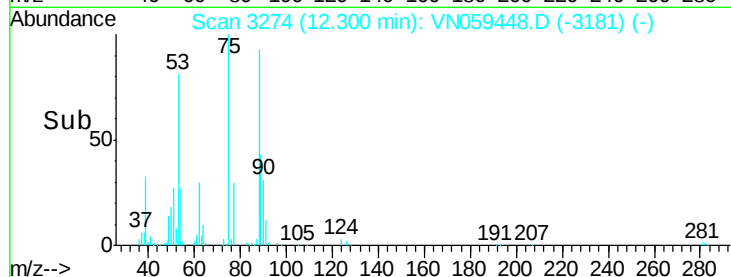
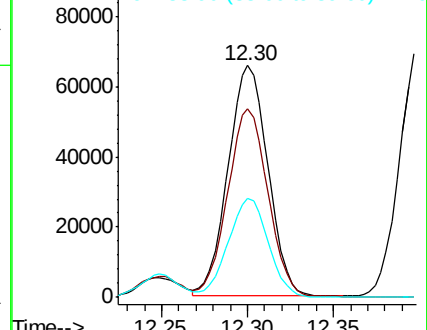
89 43.2 33.9 50.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.397 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059448.D

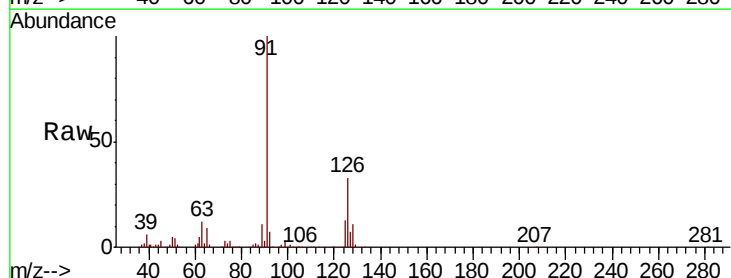
Acq: 29 Nov 2019 15:07

Tgt Ion: 91 Resp: 626832

Ion Ratio Lower Upper

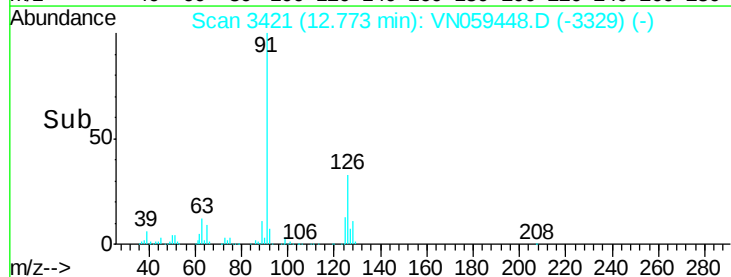
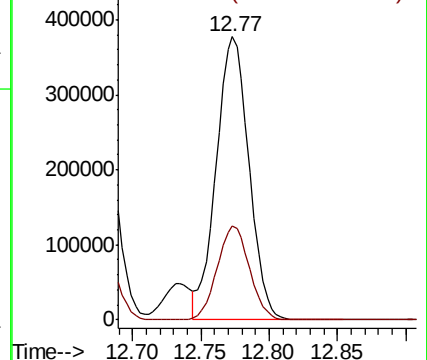
91 100

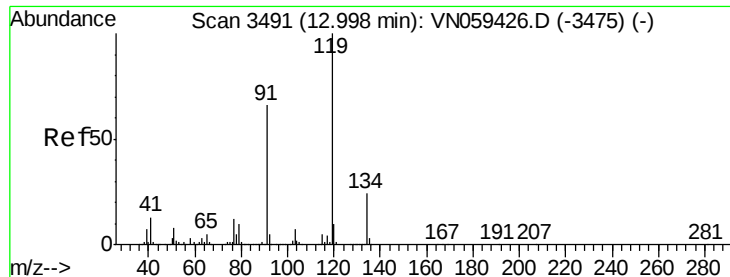
126 32.7 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.057 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

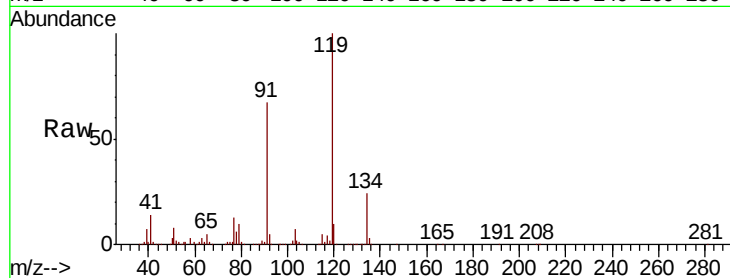
Tot Ion:119 Resp: 633785

Ion Ratio Lower Upper

119 100

91 65.5 32.8 98.4

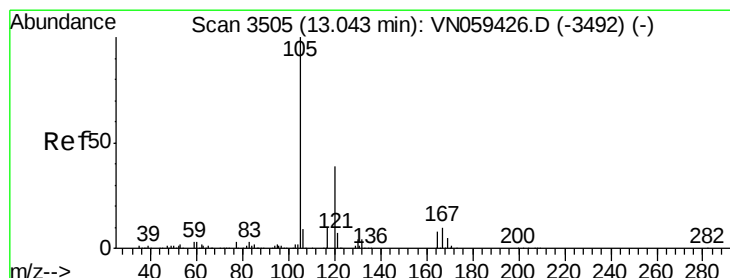
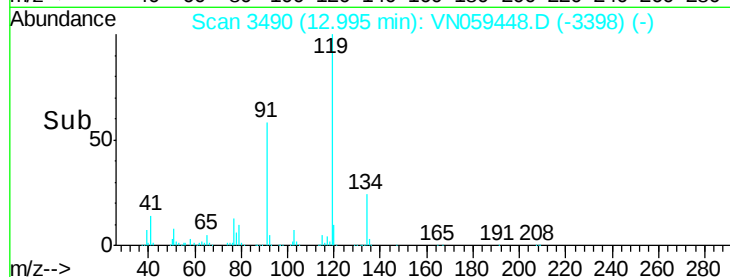
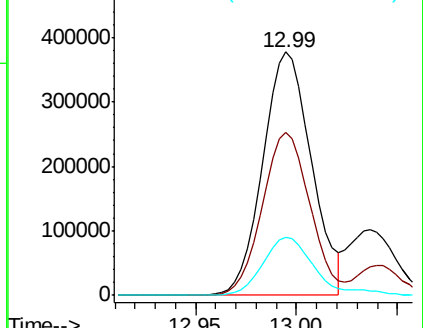
134 25.5 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.944 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059448.D

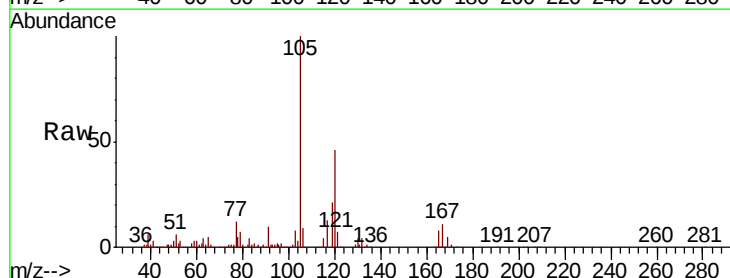
Acq: 29 Nov 2019 15:07

Tgt Ion:105 Resp: 736392

Ion Ratio Lower Upper

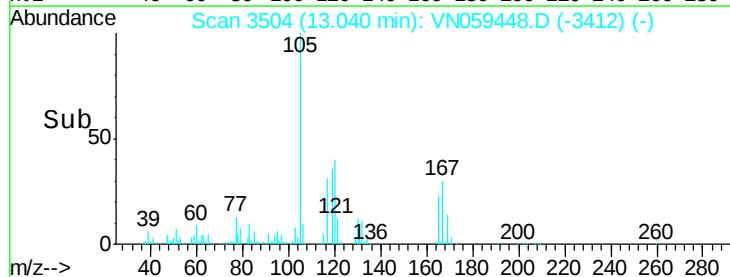
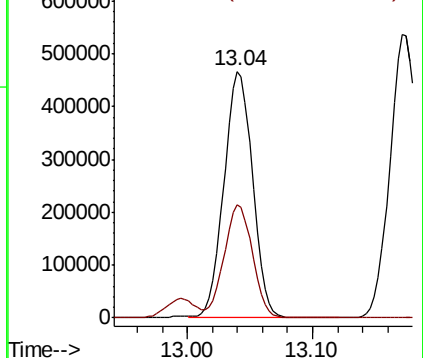
105 100

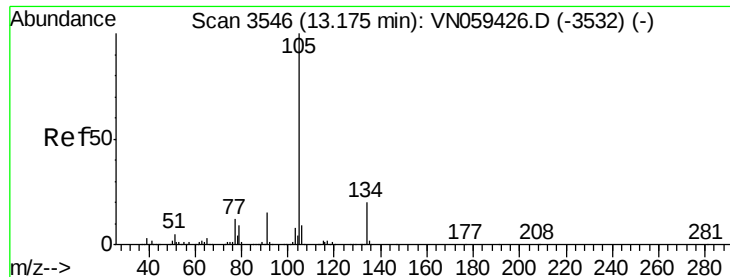
120 45.4 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.170 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

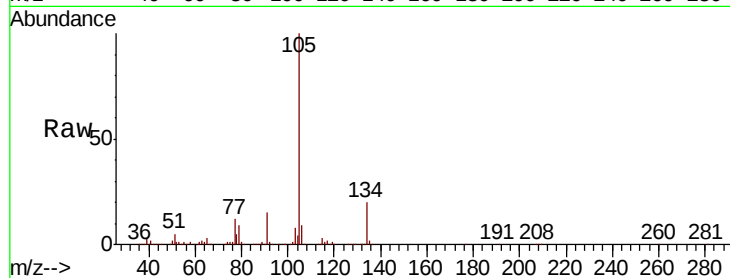
ClientSampleId :

Tot Ion:105 Resp: 861141

Ion Ratio Lower Upper

105 100

134 19.9 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

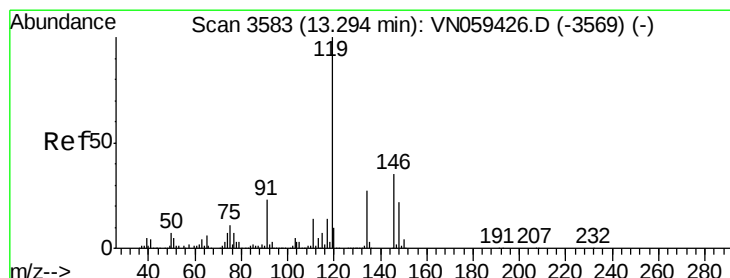
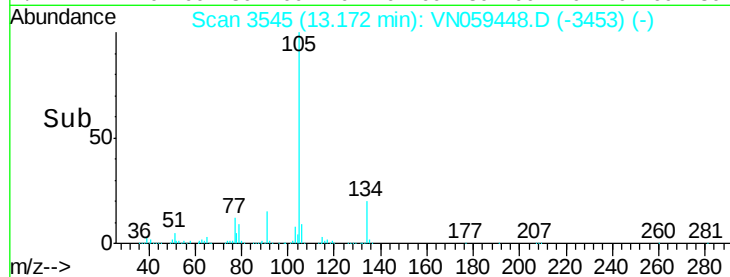
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.015 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

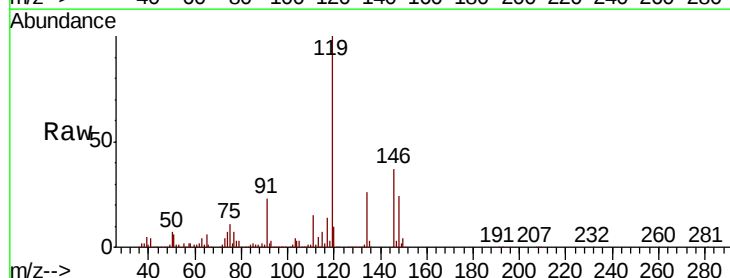
Tgt Ion:119 Resp: 776039

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.9 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

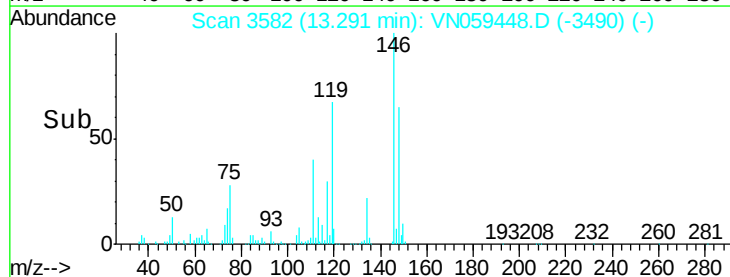
600000

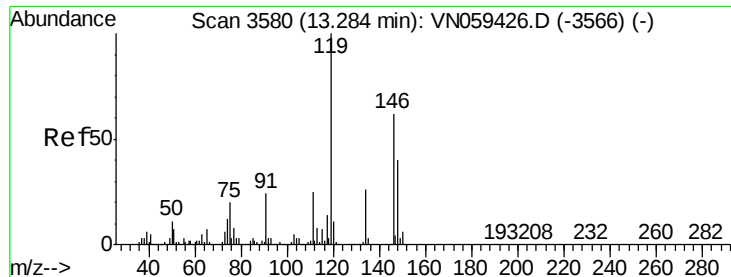
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.659 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

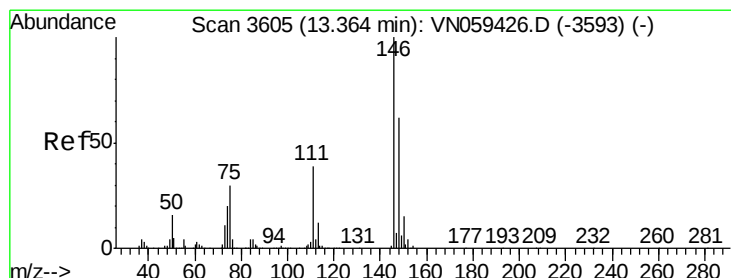
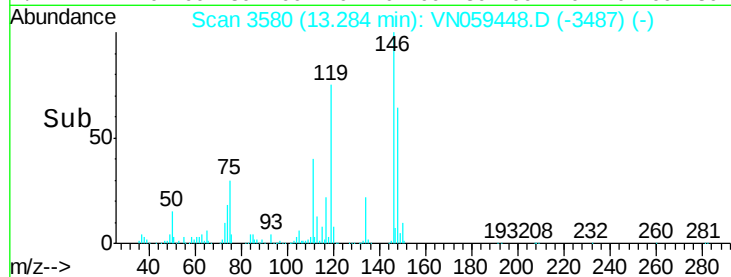
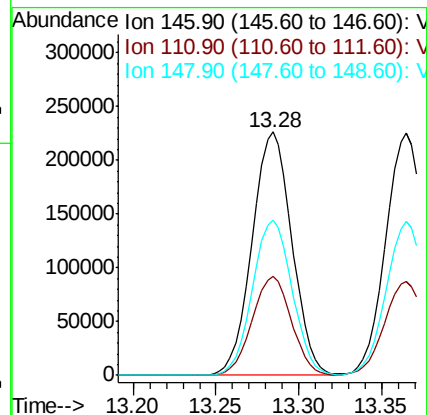
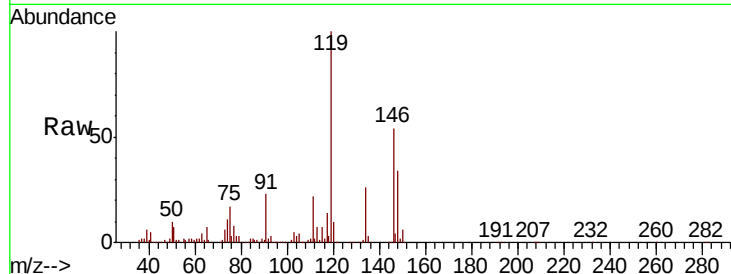
Tot Ion:146 Resp: 377830

Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.2

148 63.5 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 46.768 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

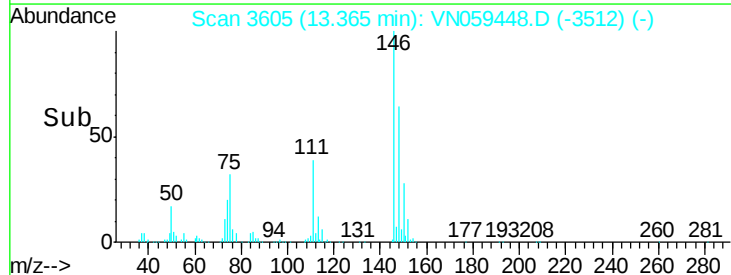
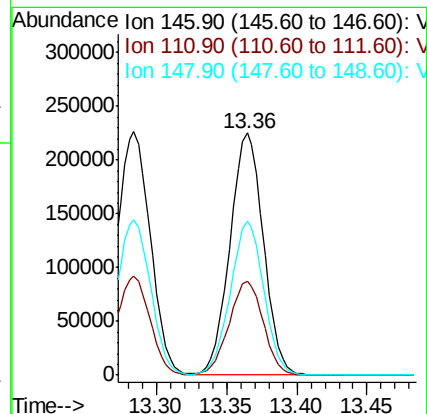
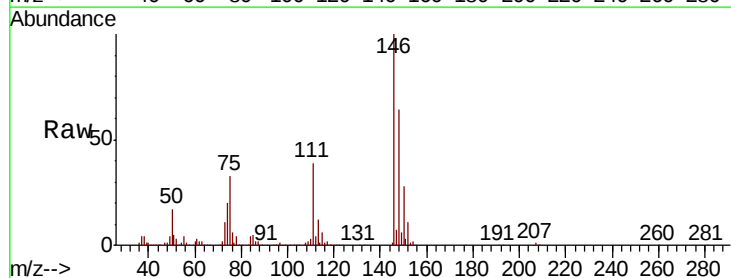
Tgt Ion:146 Resp: 372229

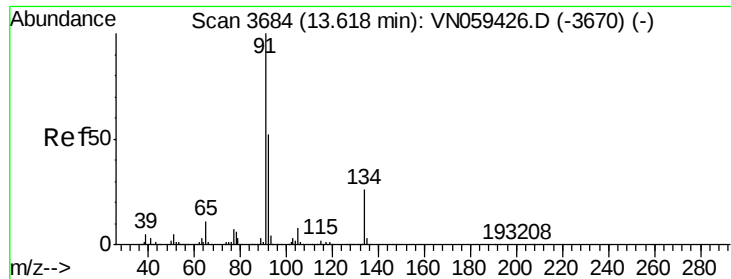
Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.7

148 63.4 31.6 95.0

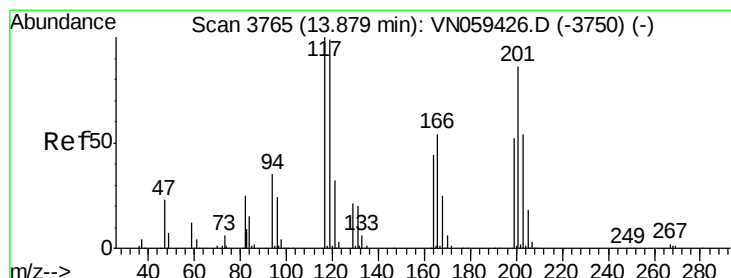
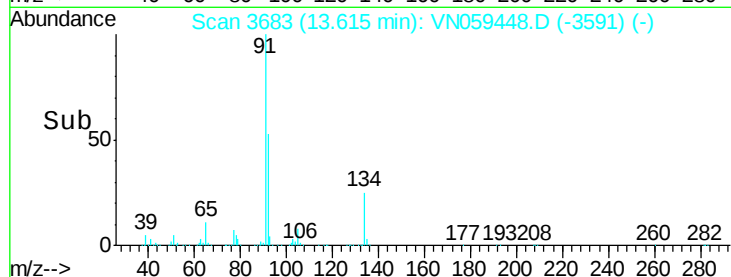
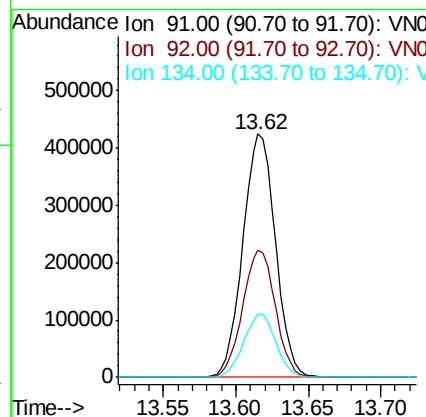
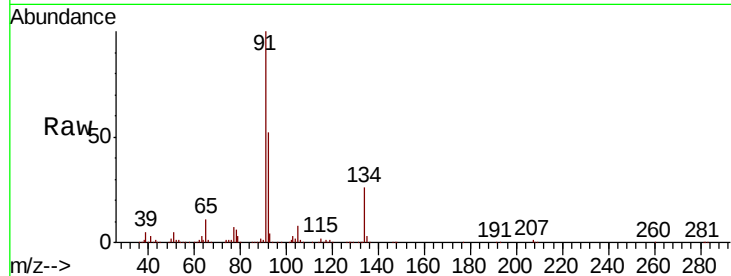




#89
n-Butylbenzene
Concen: 48.001 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

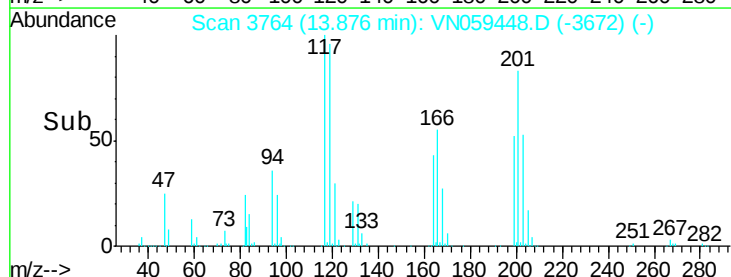
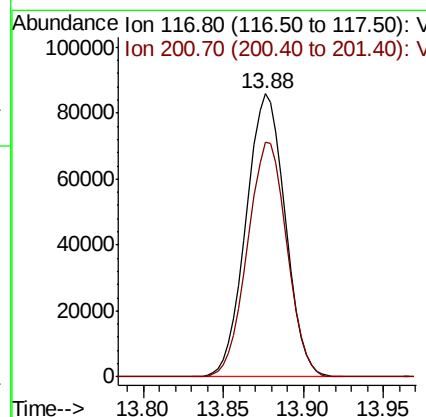
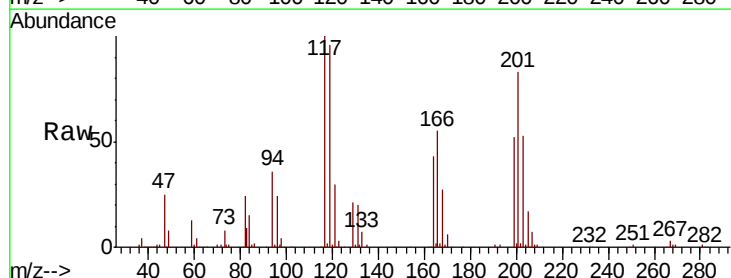
Instrument :
MSVOA_N
ClientSampled :

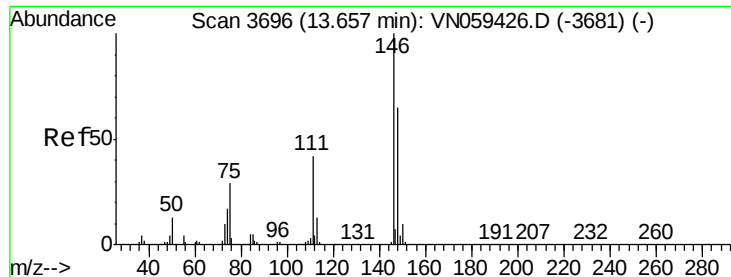
Tot Ion: 91 Resp: 664352
Ion Ratio Lower Upper
91 100
92 52.4 25.9 77.8
134 25.7 12.8 38.4



#90
Hexachloroethane
Concen: 47.350 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion: 117 Resp: 143290
Ion Ratio Lower Upper
117 100
201 83.7 42.1 126.4





#91

1,2-Dichlorobenzene

Concen: 46.743 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059448.D

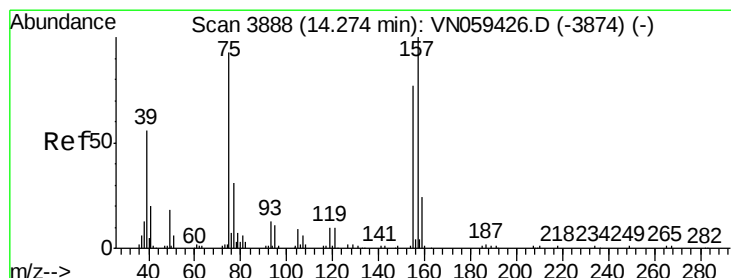
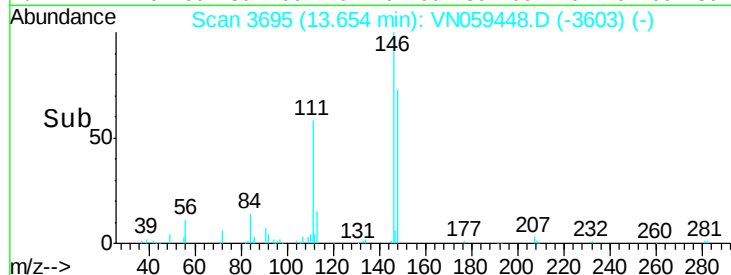
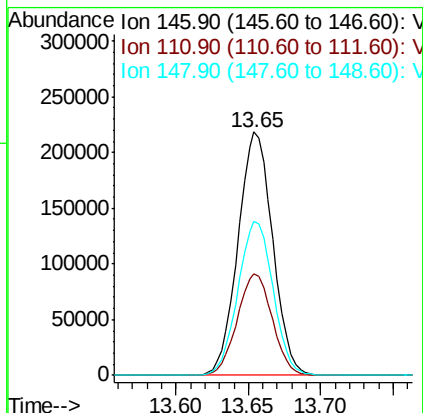
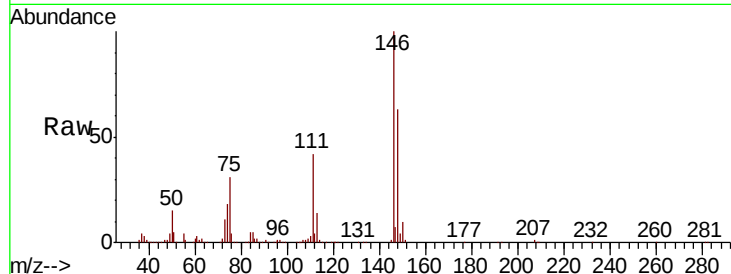
Acq: 29 Nov 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	363105
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.7
148	64.3	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.388 ug/l

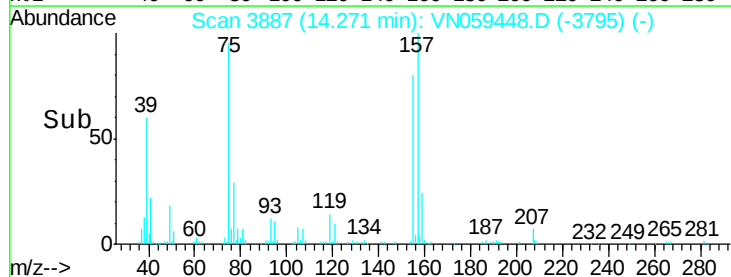
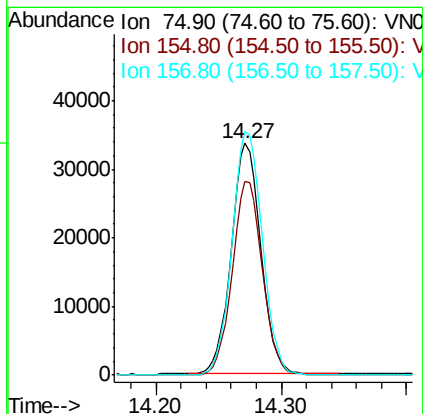
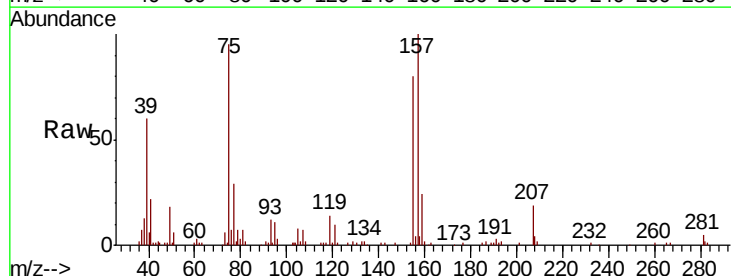
RT: 14.27 min Scan# 3887

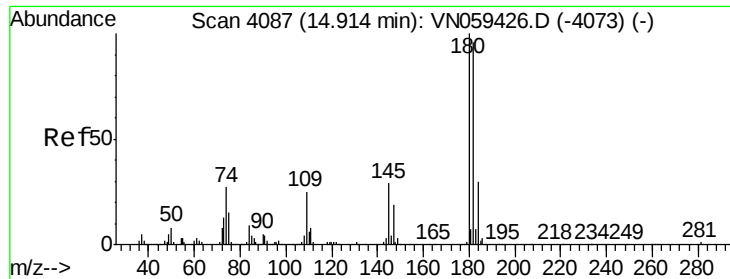
Delta R.T. -0.00 min

Lab File: VN059448.D

Acq: 29 Nov 2019 15:07

Tgt Ion:	75	Resp:	54934
Ion	Ratio	Lower	Upper
75	100		
155	85.5	41.9	125.8
157	108.2	54.1	162.3

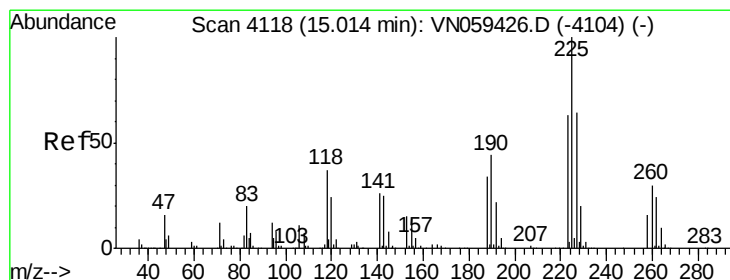
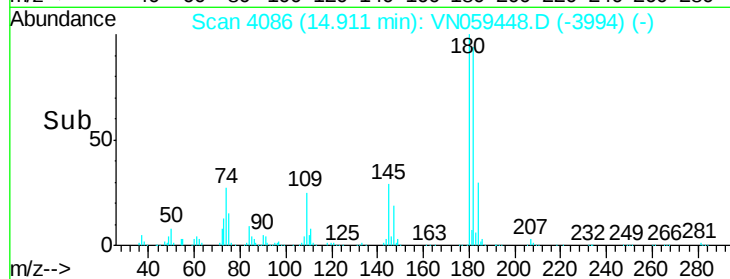
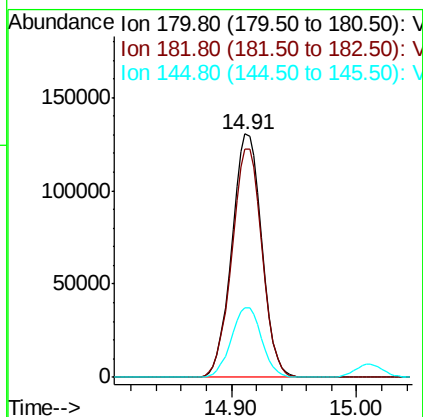
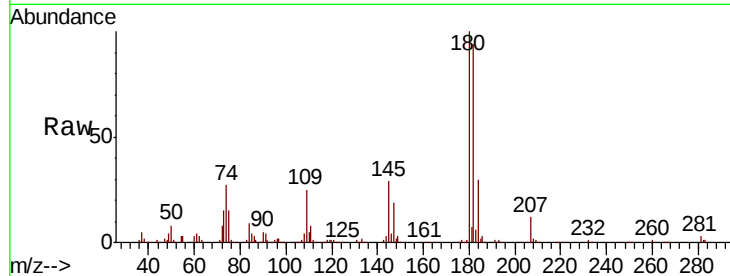




#93
 1,2,4-Trichlorobenzene
 Concen: 44.716 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

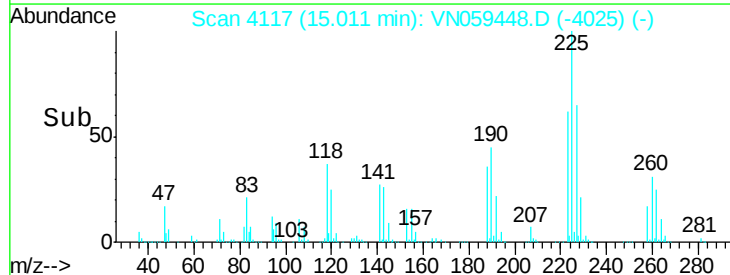
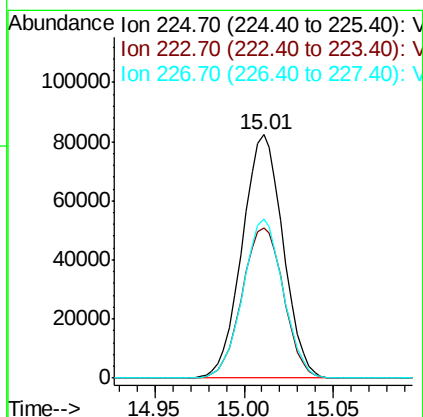
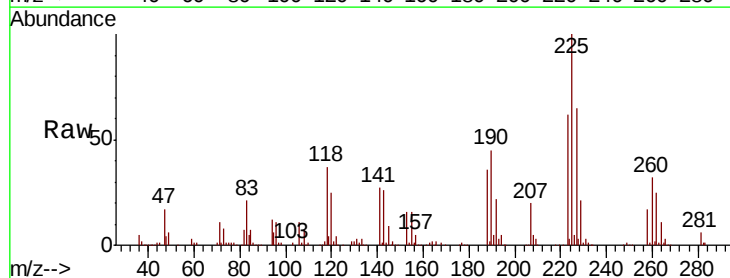
Instrument :
 MSVOA_N
 ClientSampleId :

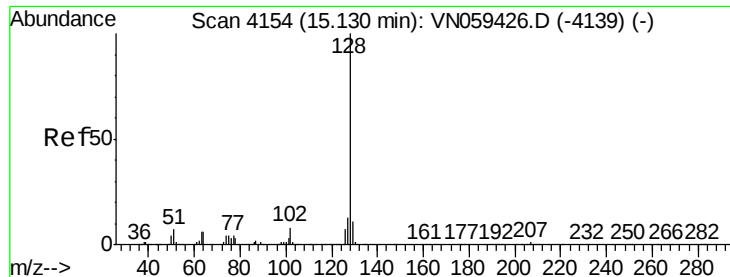
Tot Ion:180 Resp: 215925
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.3 142.0
 145 28.9 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 44.602 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059448.D
 Acq: 29 Nov 2019 15:07

Tgt Ion:225 Resp: 131989
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.5 94.5
 227 64.2 31.9 95.7

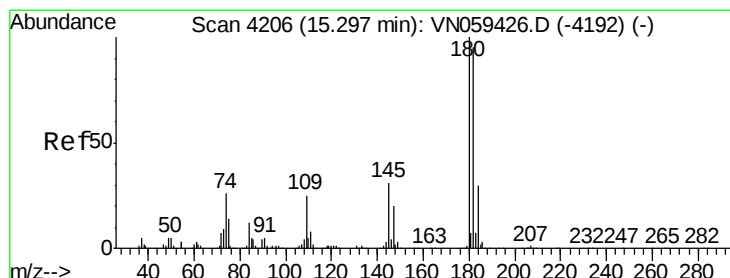
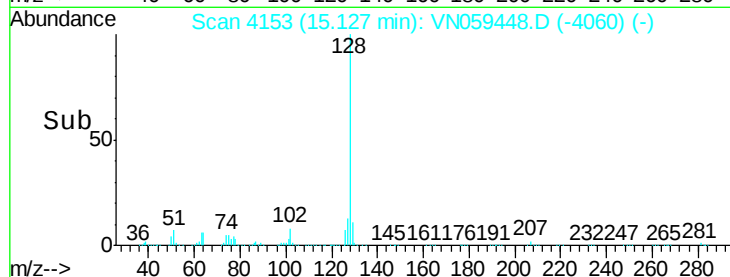
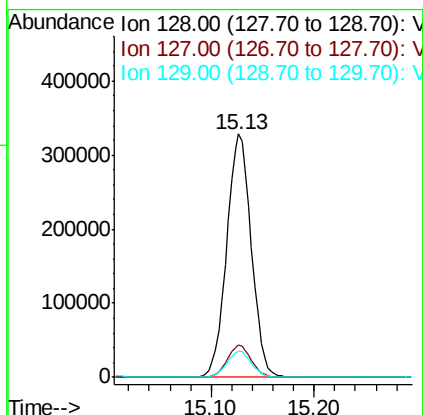
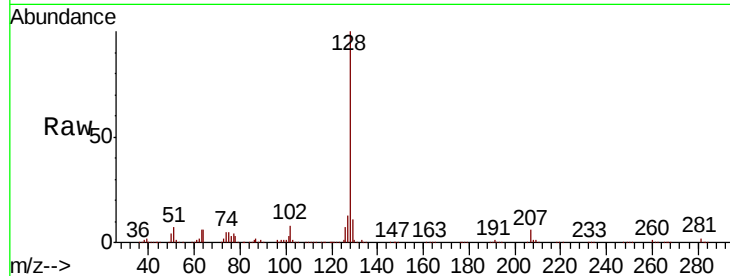




#95
Naphthalene
Concen: 50.673 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 544911
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.701 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059448.D
Acq: 29 Nov 2019 15:07

Tgt Ion:180 Resp: 212687
Ion Ratio Lower Upper
180 100
182 95.8 47.5 142.6
145 31.3 15.7 47.1

