

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059297.D
 Acq On : 19 Nov 2019 10:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:39:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	428864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	669568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	598419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	215319	40.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.68%	
35) Dibromofluoromethane	7.57	113	179890	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
50) Toluene-d8	10.08	98	666407	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	
62) 4-Bromofluorobenzene	12.40	95	251910	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	269632	62.401	ug/l	99
3) Chloromethane	2.04	50	296778	50.527	ug/l	99
4) Vinyl Chloride	2.17	62	322586	56.647	ug/l	99
5) Bromomethane	2.54	94	167976	51.258	ug/l	98
6) Chloroethane	2.68	64	160081	47.521	ug/l	98
7) Trichlorofluoromethane	3.00	101	316978	46.536	ug/l	98
8) Diethyl Ether	3.38	74	136258	49.232	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	203772	49.617	ug/l	99
10) Methyl Iodide	3.92	142	248780	48.939	ug/l	98
11) Tert butyl alcohol	4.75	59	228805	227.735	ug/l	99
12) 1,1-Dichloroethene	3.71	96	201836	50.451	ug/l	96
13) Acrolein	3.58	56	65495	126.438	ug/l	100
14) Allyl chloride	4.29	41	377391	45.923	ug/l	98
15) Acrylonitrile	4.95	53	574002	229.569	ug/l	99
16) Acetone	3.79	43	735756	268.381	ug/l	97
17) Carbon Disulfide	4.02	76	643577	51.822	ug/l	99
18) Methyl Acetate	4.29	43	323858	49.770	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	674939	49.002	ug/l	98
20) Methylene Chloride	4.52	84	225364	47.186	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	217065	50.548	ug/l	96
22) Diisopropyl ether	5.92	45	727901	46.894	ug/l	99
23) Vinyl Acetate	5.86	43	2906590	241.611	ug/l	99
24) 1,1-Dichloroethane	5.82	63	413191	47.660	ug/l	98
25) 2-Butanone	6.81	43	885183	244.994	ug/l	98
26) 2,2-Dichloropropane	6.80	77	351610	46.382	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	243677	48.911	ug/l	98
28) Bromochloromethane	7.17	49	106683	40.901	ug/l	96
29) Tetrahydrofuran	7.18	42	520501	226.724	ug/l	97
30) Chloroform	7.35	83	393492	47.315	ug/l	100
31) Cyclohexane	7.63	56	390281	47.553	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	334718	47.871	ug/l	99
36) 1,1-Dichloropropene	7.77	75	313713	50.126	ug/l	100
37) Ethyl Acetate	6.90	43	317546	45.609	ug/l	99
38) Carbon Tetrachloride	7.75	117	297914	47.825	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383499	52.798	ug/l	98
40) Benzene	8.02	78	920130	48.822	ug/l	99
41) Methacrylonitrile	7.18	41	452196	149.360	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	304511	47.110	ug/l	100
43) Isopropyl Acetate	8.14	43	500128	45.057	ug/l	98
44) Trichloroethene	8.82	130	229864	49.617	ug/l	98
45) 1,2-Dichloropropane	9.10	63	246086	48.073	ug/l	100
46) Dibromomethane	9.19	93	150710	47.246	ug/l	99
47) Bromodichloromethane	9.39	83	305420	47.948	ug/l	98
48) Methyl methacrylate	9.18	41	227478	45.817	ug/l	96
49) 1,4-Dioxane	9.18	88	88107	998.561	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	1529135	243.471	ug/l	99
52) Toluene	10.15	92	559937	49.569	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	352827	47.944	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	390128	49.283	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	214658	46.954	ug/l	99
56) Ethyl methacrylate	10.42	69	341343	44.963	ug/l	96
57) 1,3-Dichloropropane	10.70	76	378014	48.043	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	291781	114.684	ug/l	100
59) 2-Hexanone	10.74	43	1206722	250.325	ug/l	98
60) Dibromochloromethane	10.90	129	234995	48.618	ug/l	100
61) 1,2-Dibromoethane	11.00	107	225447	48.714	ug/l	100
64) Tetrachloroethene	10.63	164	201125	49.427	ug/l	98
65) Chlorobenzene	11.43	112	581564	49.853	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	213789	48.855	ug/l	98
67) Ethyl Benzene	11.51	91	1069875	51.692	ug/l	99
68) m/p-Xylenes	11.62	106	807124	104.105	ug/l	98
69) o-Xylene	11.95	106	381652	50.938	ug/l	98
70) Styrene	11.96	104	627842	53.281	ug/l	99
71) Bromoform	12.13	173	165718	48.686	ug/l #	100
73) Isopropylbenzene	12.25	105	1026511	48.495	ug/l	100
74) N-amyl acetate	12.07	43	413864	46.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	324269	44.985	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	431789	65.175	ug/l #	100
77) Bromobenzene	12.53	156	244829	46.037	ug/l	98
78) n-propylbenzene	12.59	91	1202631	49.621	ug/l	99
79) 2-Chlorotoluene	12.67	91	707995	47.089	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	869704	48.489	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	113943	45.427	ug/l	99
82) 4-Chlorotoluene	12.77	91	734741	48.723	ug/l	100
83) tert-Butylbenzene	12.99	119	740202	47.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	878005	50.596	ug/l	99
85) sec-Butylbenzene	13.17	105	1006812	49.980	ug/l	100
86) p-Isopropyltoluene	13.29	119	912986	51.329	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	441298	48.458	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	438362	48.110	ug/l	99
89) n-Butylbenzene	13.62	91	801232	51.467	ug/l	99
90) Hexachloroethane	13.88	117	161084	45.101	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	429816	47.979	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65839	45.783	ug/l	99

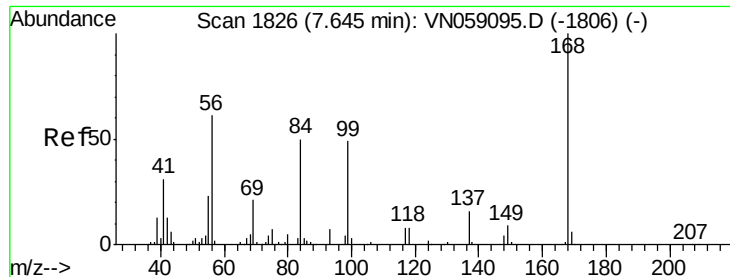
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	262851	48.461	ug/l	99
94) Hexachlorobutadiene	15.01	225	149176	48.294	ug/l	99
95) Naphthalene	15.13	128	698966	46.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	262535	52.293	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

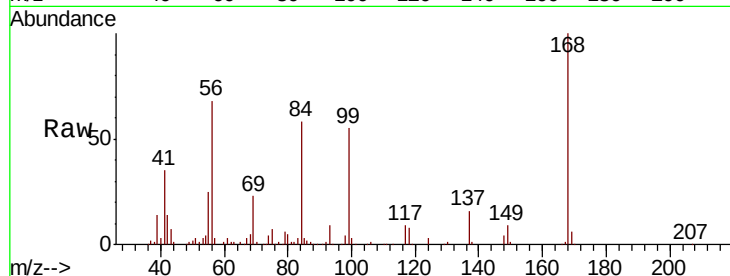
ClientSampled :

Tot Ion:168 Resp: 428864

Ion Ratio Lower Upper

168 100

99 54.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

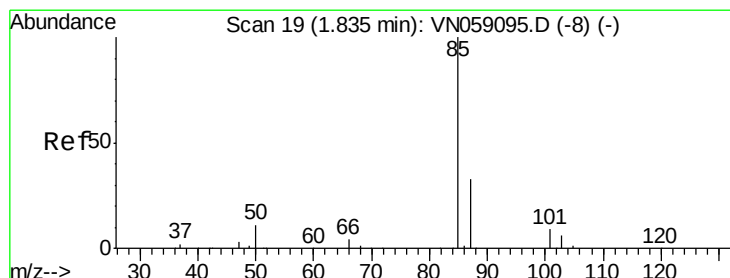
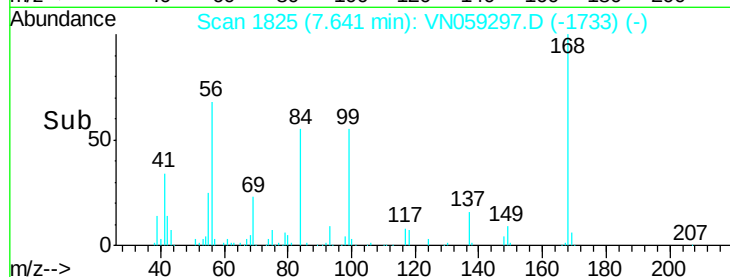
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 62.401 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059297.D

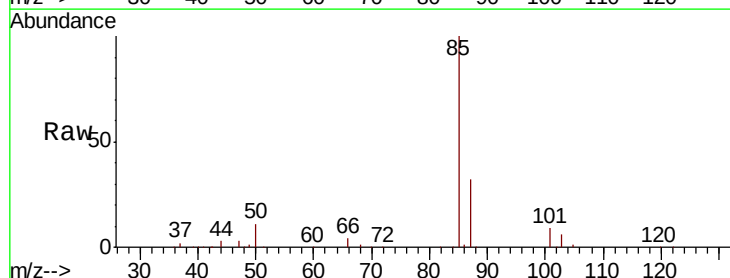
Acq: 19 Nov 2019 10:35

Tgt Ion: 85 Resp: 269632

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

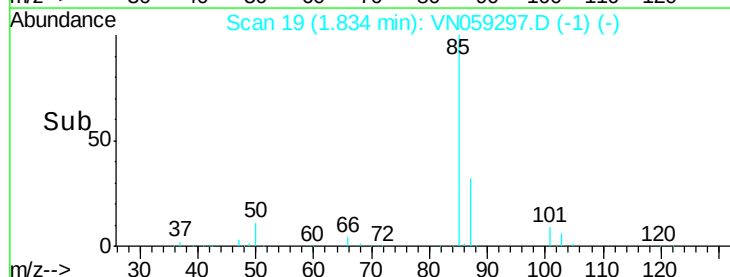
150000

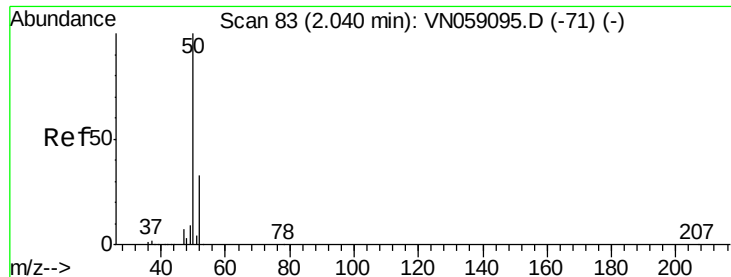
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 50.527 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

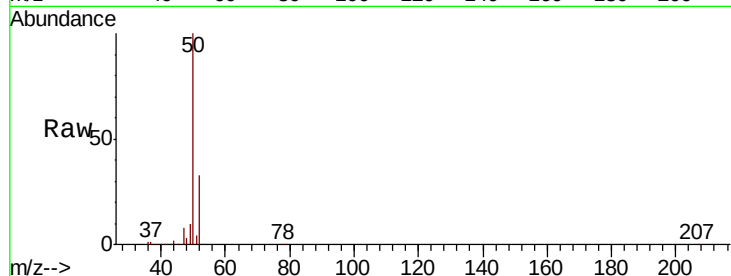
ClientSampleId :

Tot Ion: 50 Resp: 296778

Ion Ratio Lower Upper

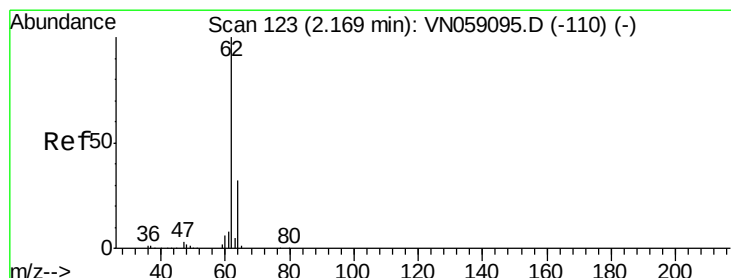
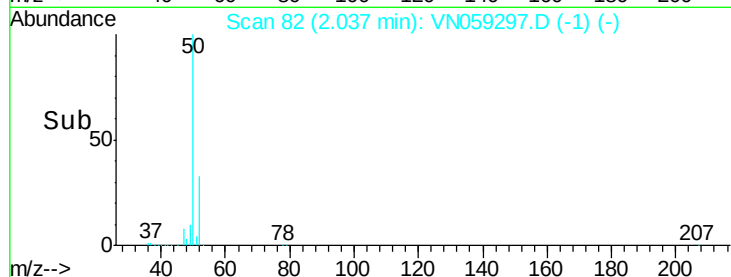
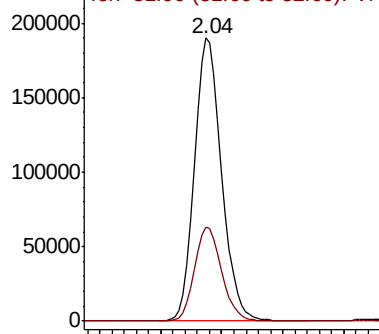
50 100

52 33.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 56.647 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059297.D

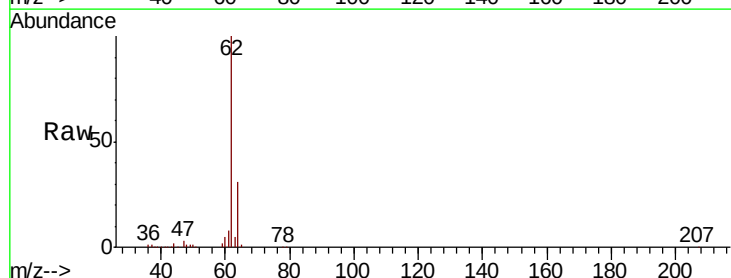
Acq: 19 Nov 2019 10:35

Tgt Ion: 62 Resp: 322586

Ion Ratio Lower Upper

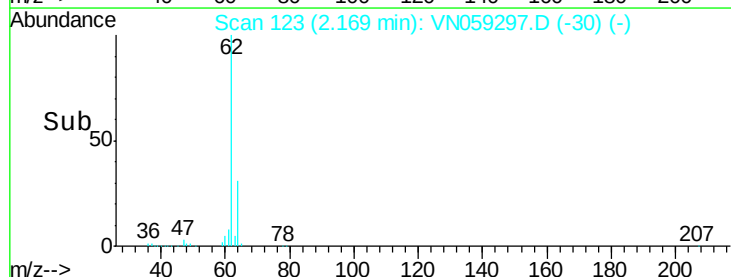
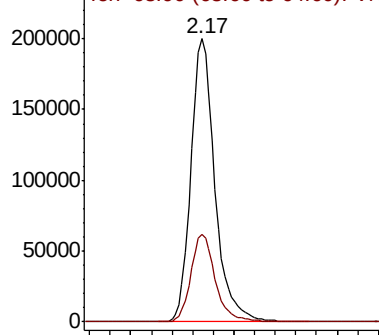
62 100

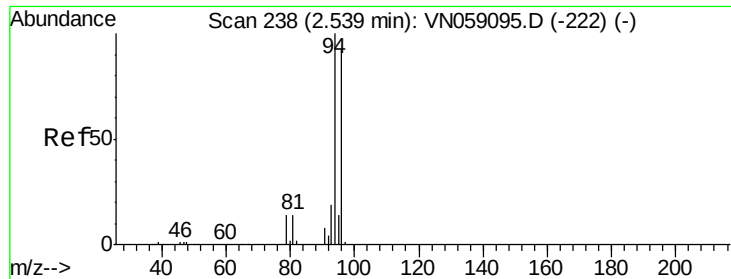
64 31.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.258 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

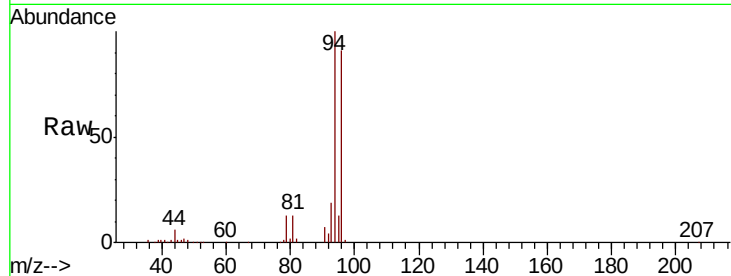
ClientSampleId :

Tot Ion: 94 Resp: 167976

Ion Ratio Lower Upper

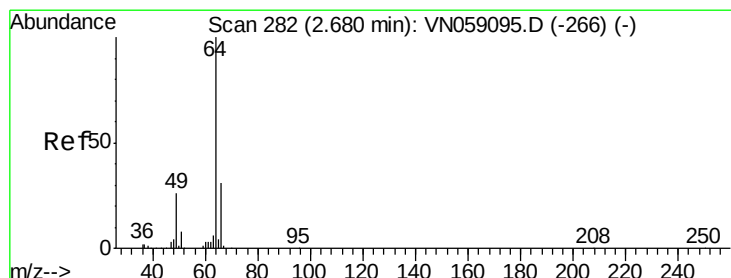
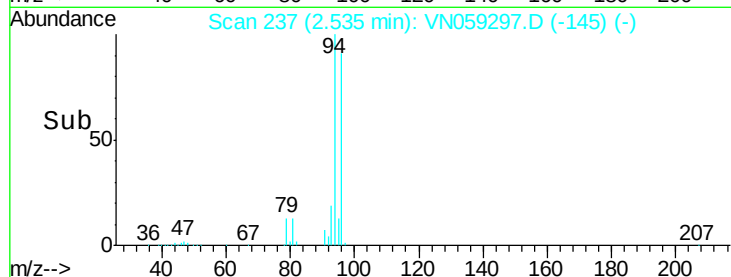
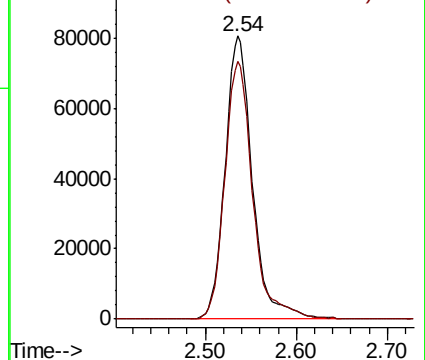
94 100

96 91.0 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.521 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059297.D

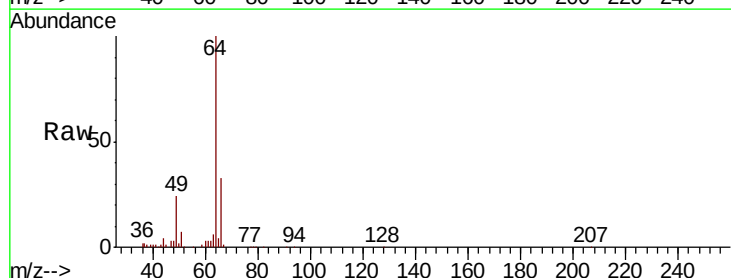
Acq: 19 Nov 2019 10:35

Tgt Ion: 64 Resp: 160081

Ion Ratio Lower Upper

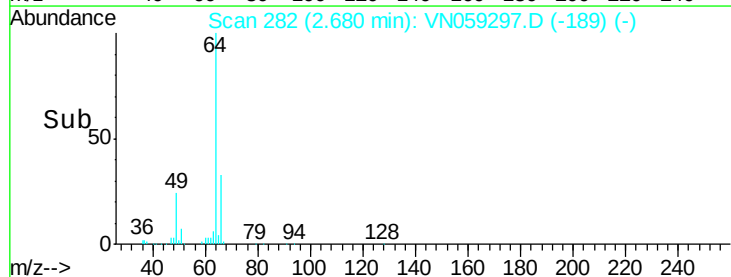
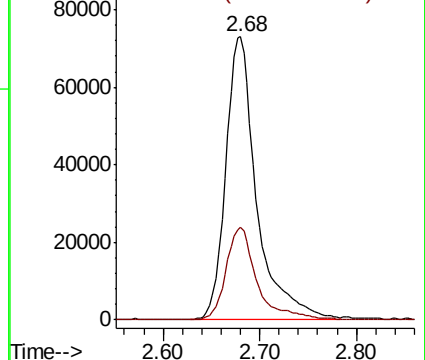
64 100

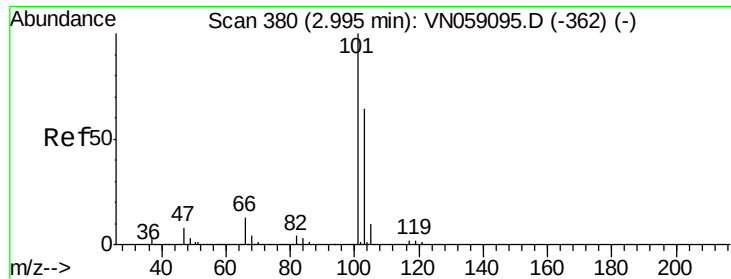
66 32.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



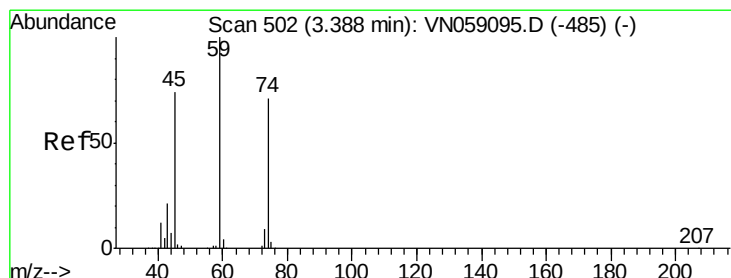
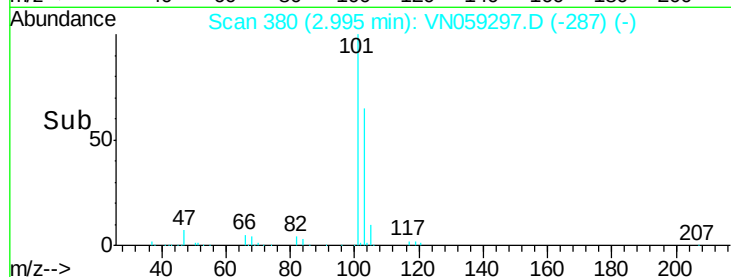
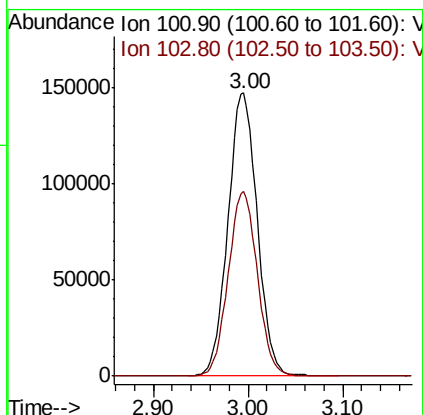
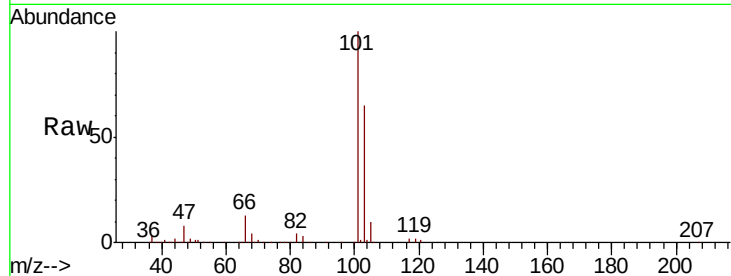


#7

Trichlorofluoromethane
 Concen: 46.536 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :

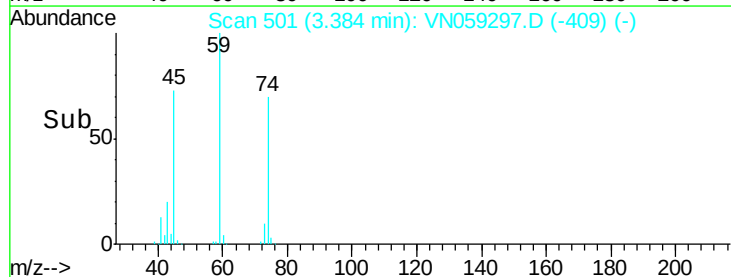
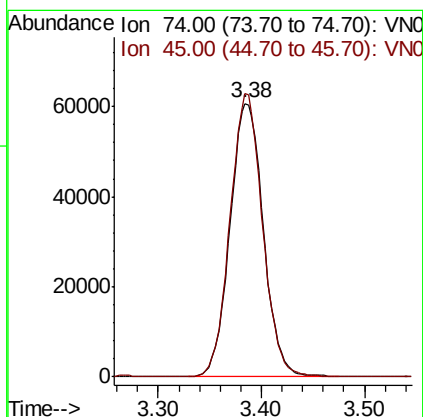
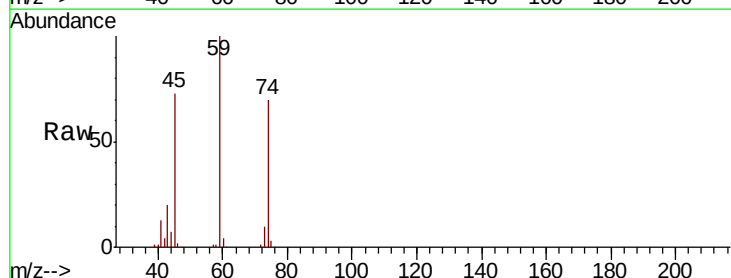
Tot Ion:101 Resp: 316978
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8

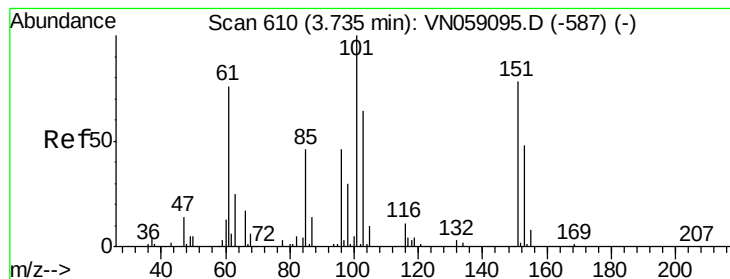


#8

Diethyl Ether
 Concen: 49.232 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion: 74 Resp: 136258
 Ion Ratio Lower Upper
 74 100
 45 101.2 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.617 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

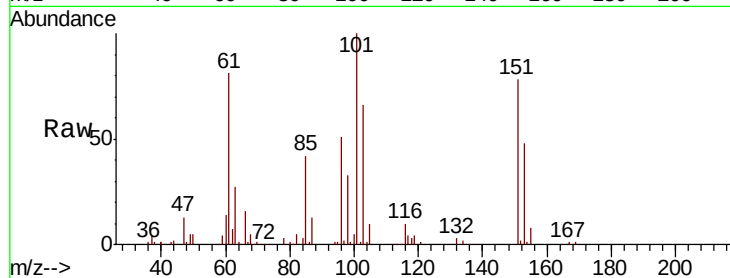
Tot Ion:101 Resp: 203772

Ion Ratio Lower Upper

101 100

85 42.6 35.5 53.3

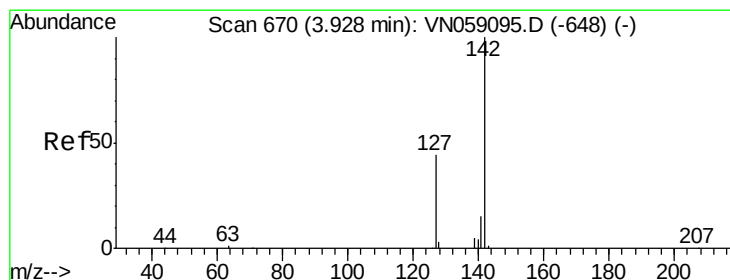
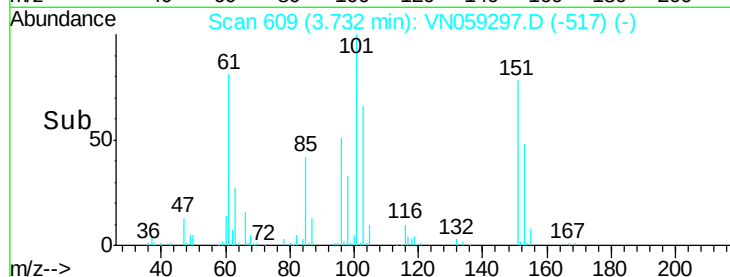
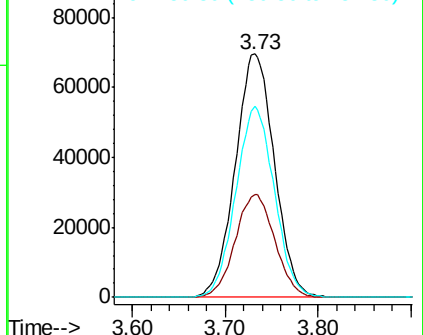
151 77.2 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.939 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

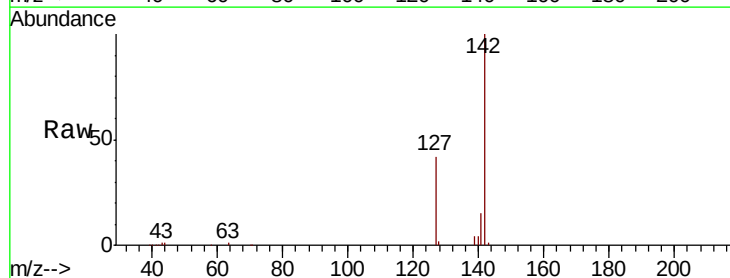
Tgt Ion:142 Resp: 248780

Ion Ratio Lower Upper

142 100

127 41.2 34.2 51.2

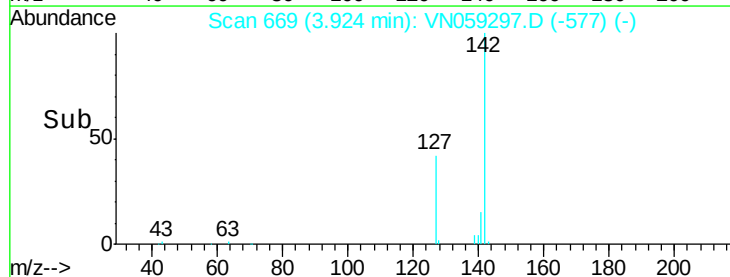
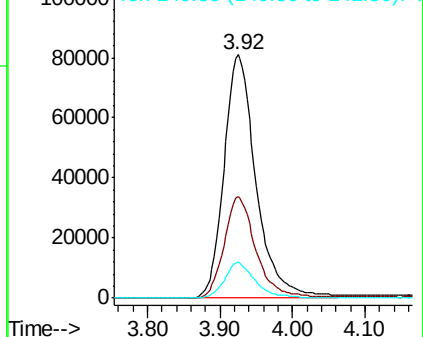
141 14.0 11.4 17.0

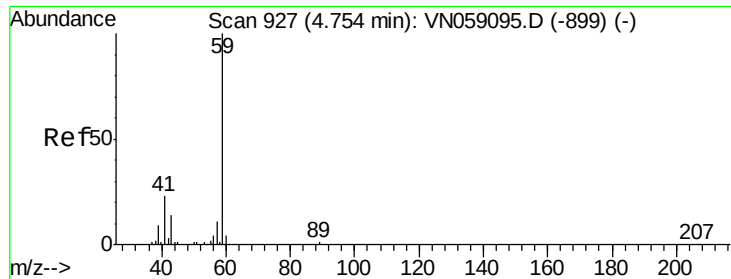


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

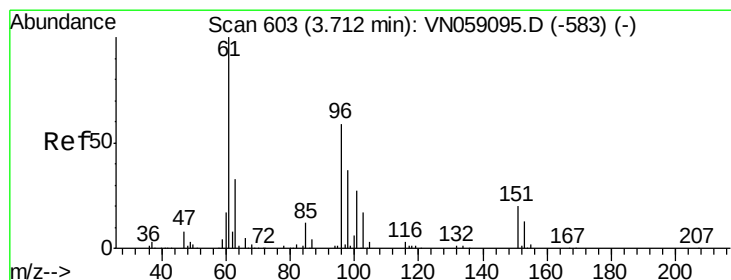
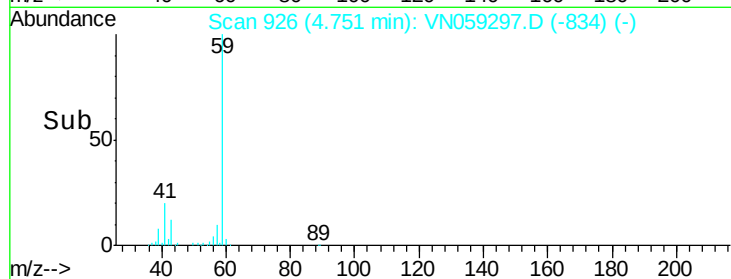
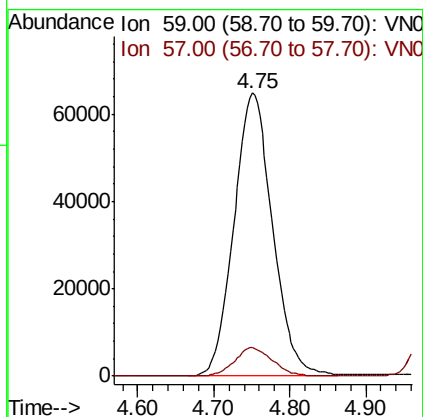
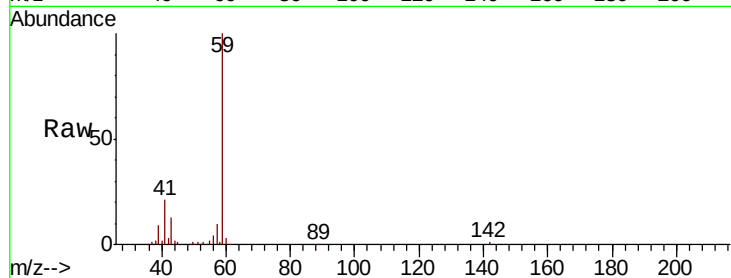




#11
Tert butyl alcohol
Concen: 227.735 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

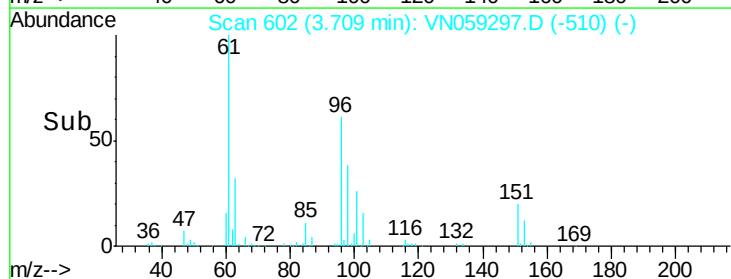
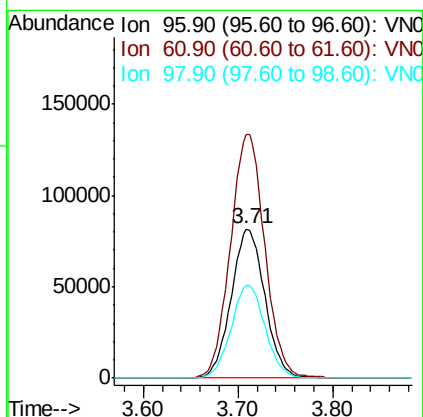
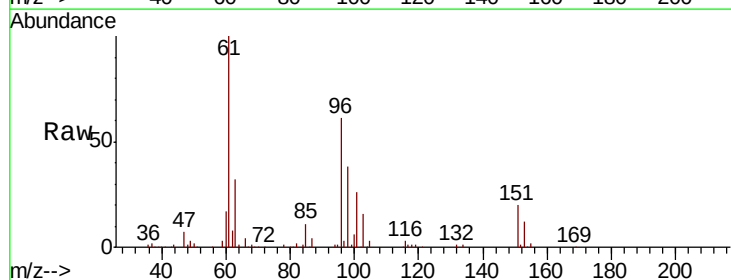
Instrument :
MSVOA_N
ClientSampleId :

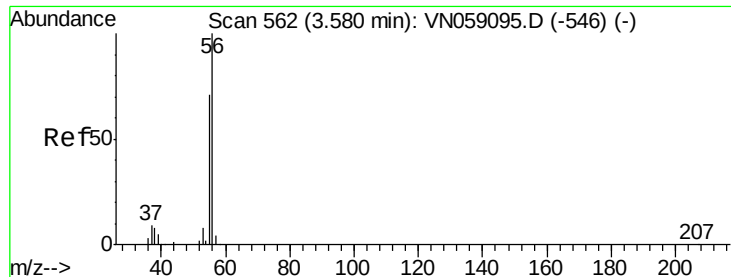
Tot Ion: 59 Resp: 228805
Ion Ratio Lower Upper
59 100
57 9.8 8.3 12.5



#12
1,1-Dichloroethene
Concen: 50.451 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 96 Resp: 201836
Ion Ratio Lower Upper
96 100
61 163.2 136.5 204.7
98 62.0 50.2 75.4





#13

Acrolein

Concen: 126.438 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

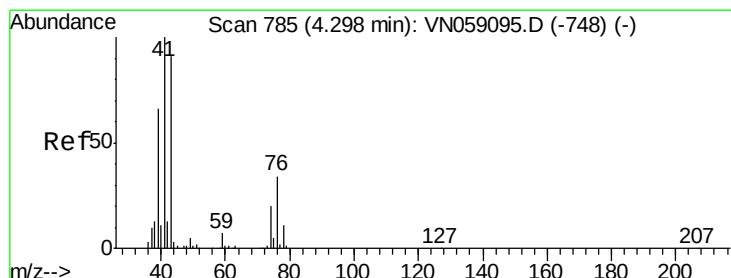
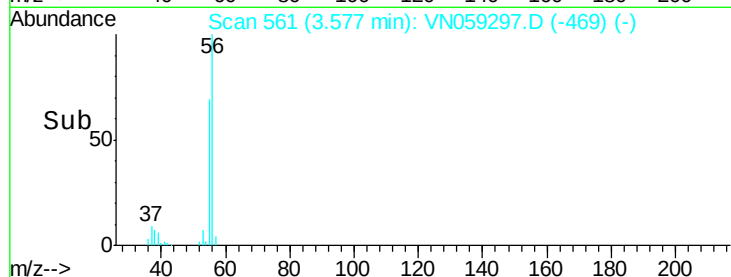
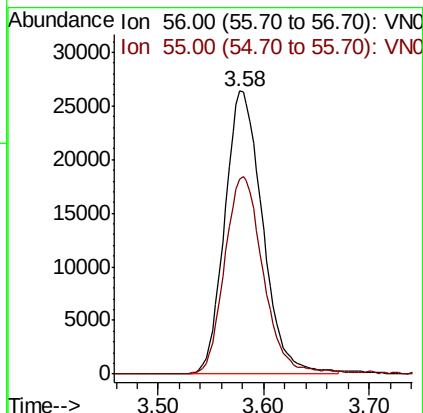
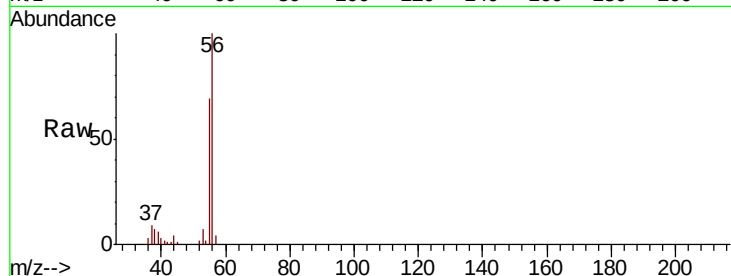
ClientSampled :

Tot Ion: 56 Resp: 65495

Ion Ratio Lower Upper

56 100

55 70.9 56.4 84.6



#14

Allyl chloride

Concen: 45.923 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

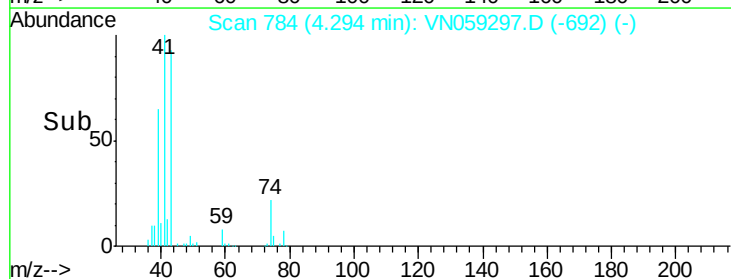
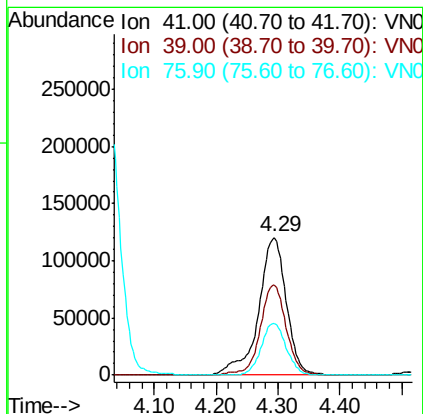
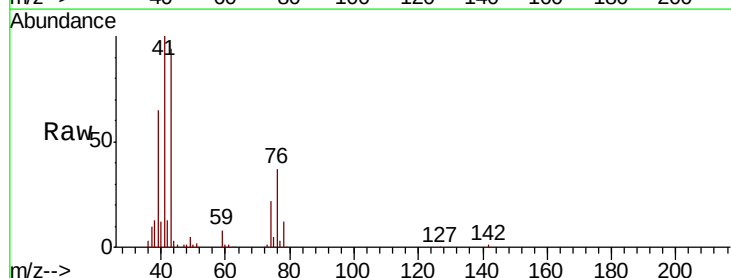
Tgt Ion: 41 Resp: 377391

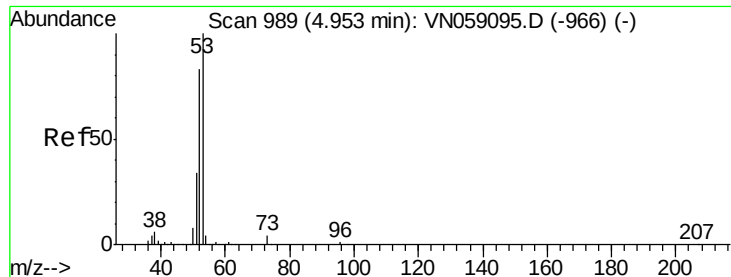
Ion Ratio Lower Upper

41 100

39 60.9 49.1 73.7

76 33.8 24.9 37.3





#15

Acrylonitrile

Concen: 229.569 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

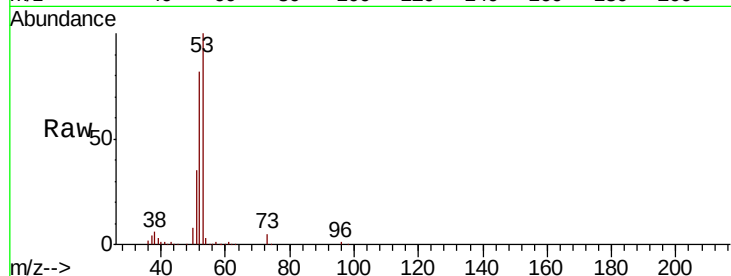
Tot Ion: 53 Resp: 574002

Ion Ratio Lower Upper

53 100

52 82.5 65.0 97.6

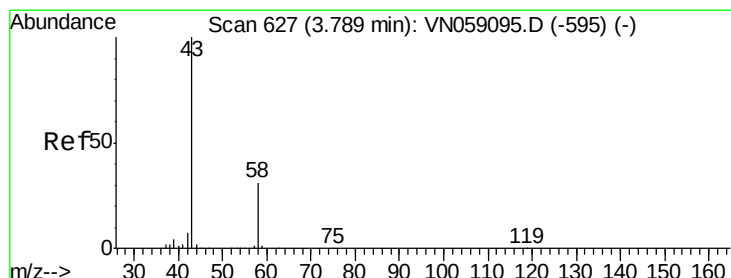
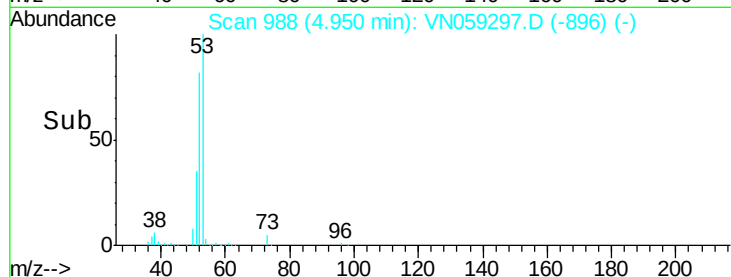
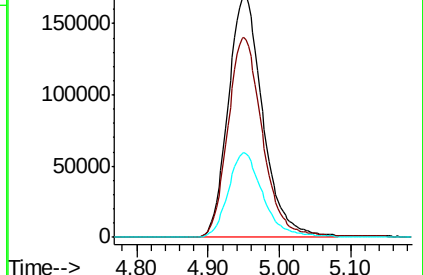
51 35.4 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059297.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059297.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059297.D (-966) (-)



#16

Acetone

Concen: 268.381 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059297.D

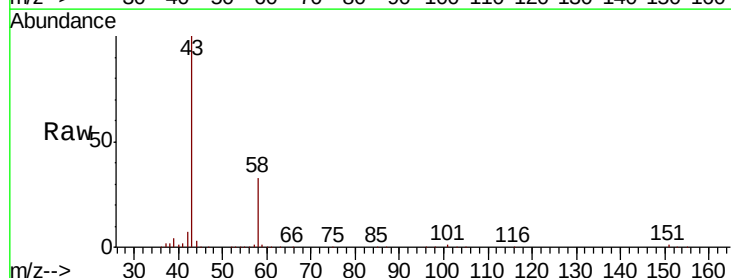
Acq: 19 Nov 2019 10:35

Tgt Ion: 43 Resp: 735756

Ion Ratio Lower Upper

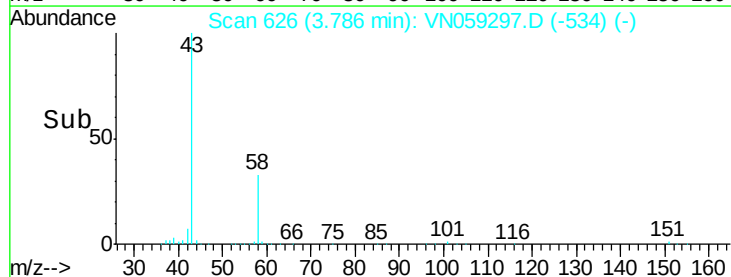
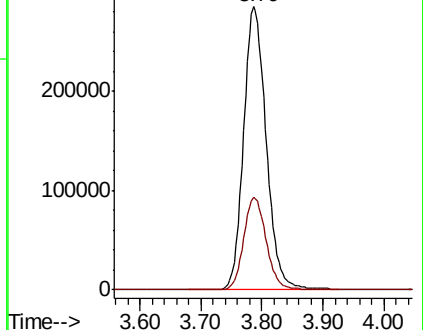
43 100

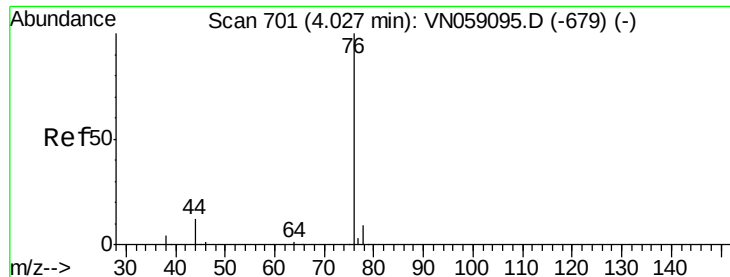
58 32.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059297.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059297.D (-534) (-)





#17

Carbon Disulfide

Concen: 51.822 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

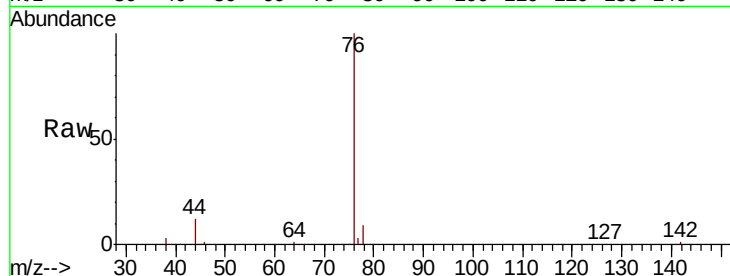
ClientSampled :

Tot Ion: 76 Resp: 643577

Ion Ratio Lower Upper

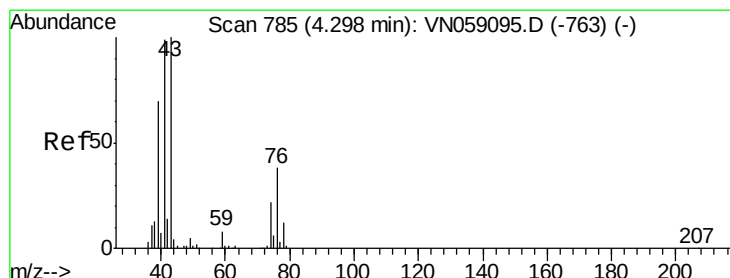
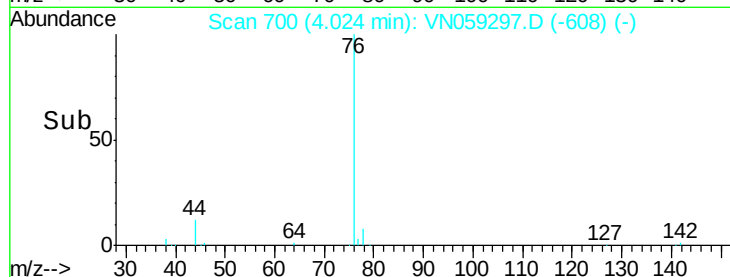
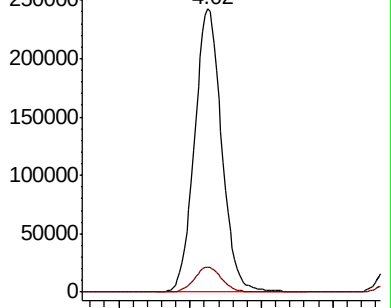
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 49.770 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059297.D

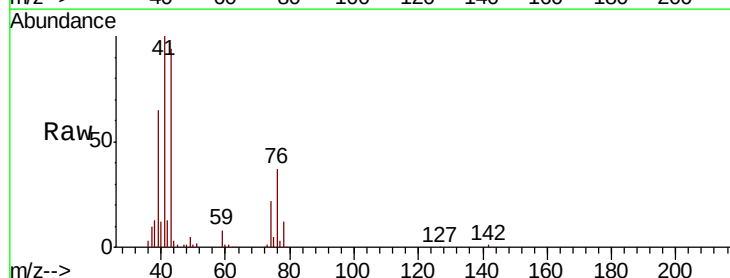
Acq: 19 Nov 2019 10:35

Tgt Ion: 43 Resp: 323858

Ion Ratio Lower Upper

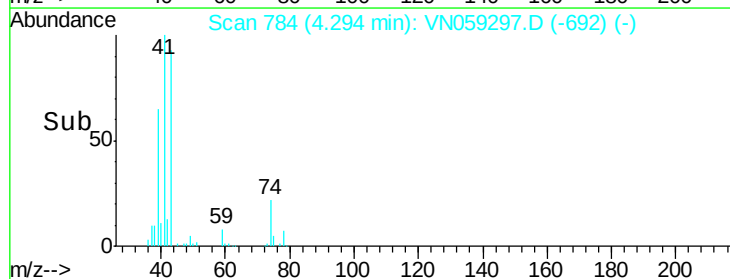
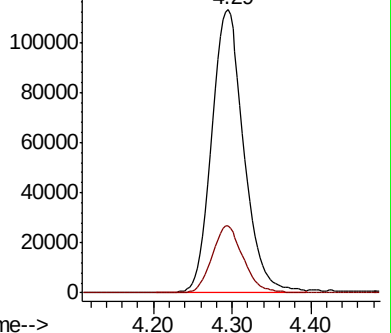
43 100

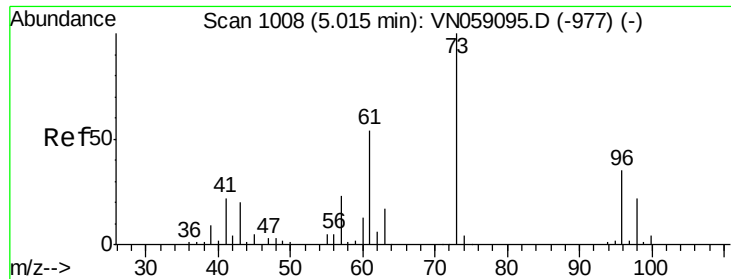
74 23.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

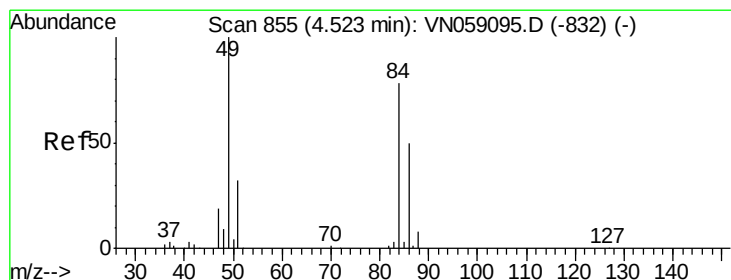
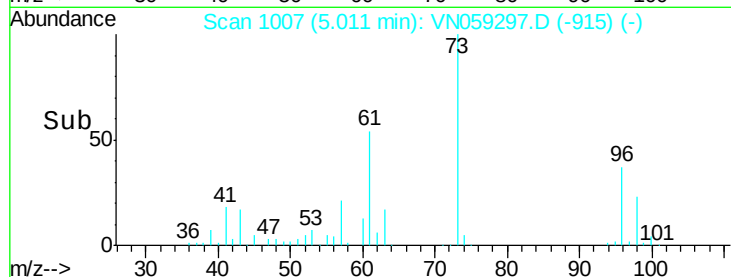
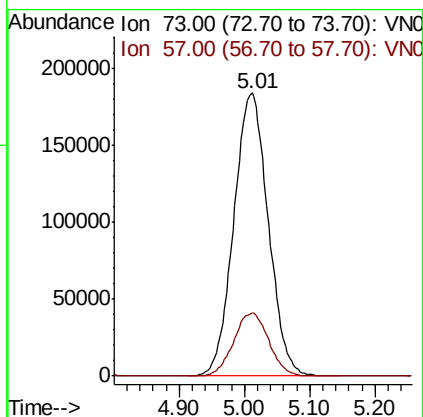
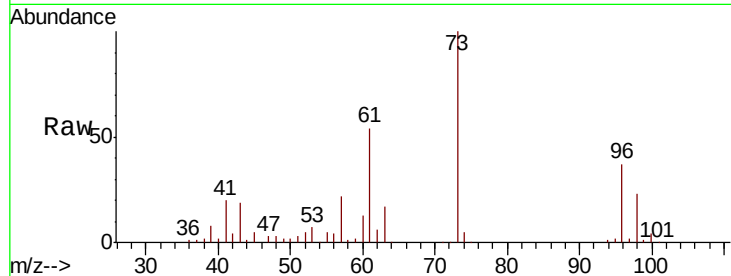




#19
Methyl tert-butyl Ether
Concen: 49.002 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

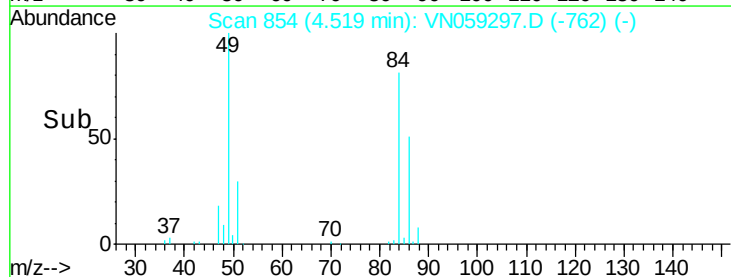
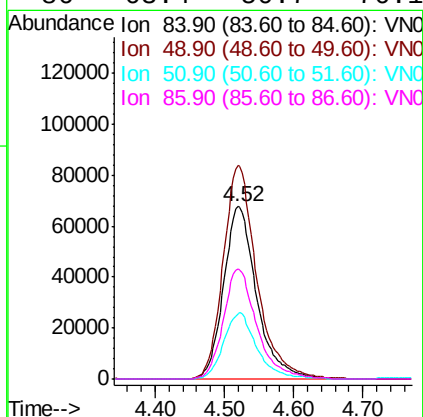
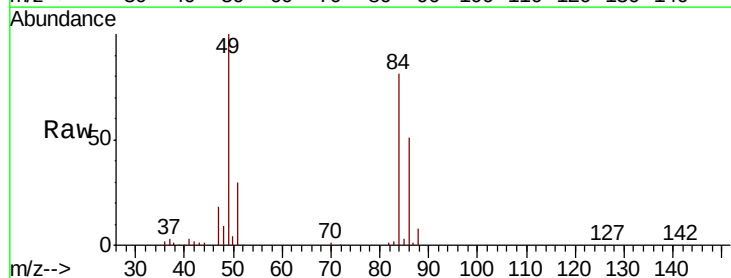
Instrument :
MSVOA_N
ClientSampled :

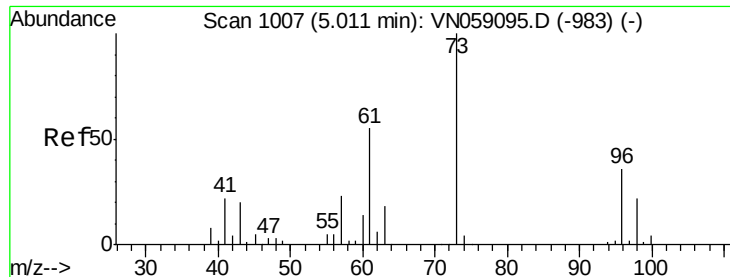
Tot Ion: 73 Resp: 674939
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6



#20
Methylene Chloride
Concen: 47.186 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 84 Resp: 225364
Ion Ratio Lower Upper
84 100
49 123.4 102.0 153.0
51 37.6 32.2 48.2
86 63.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 50.548 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampled :

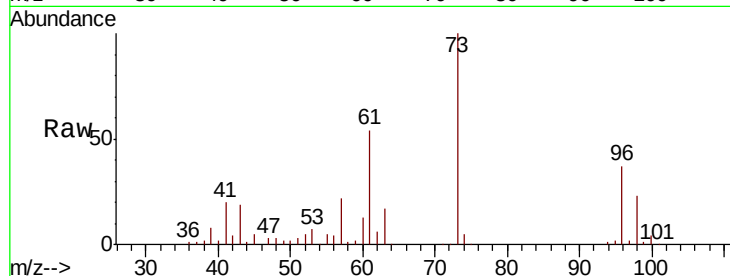
Tot Ion: 96 Resp: 217065

Ion Ratio Lower Upper

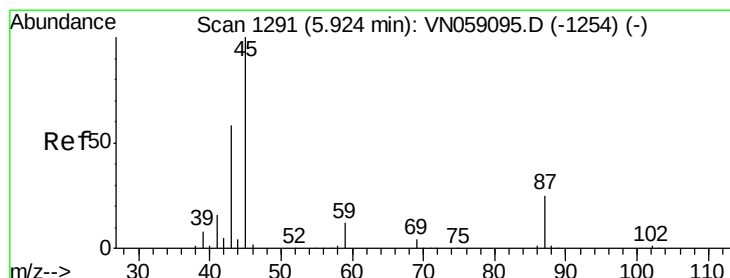
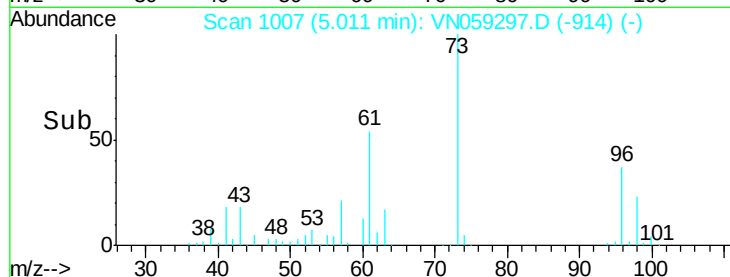
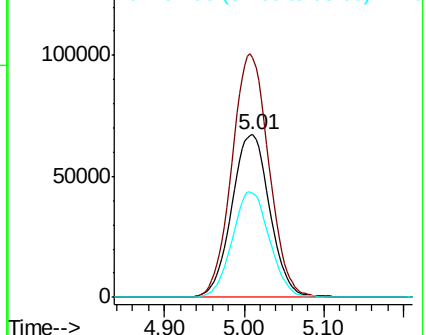
96 100

61 147.2 122.6 183.8

98 64.1 50.3 75.5



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



#22

Diisopropyl ether

Concen: 46.894 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion: 45 Resp: 727901

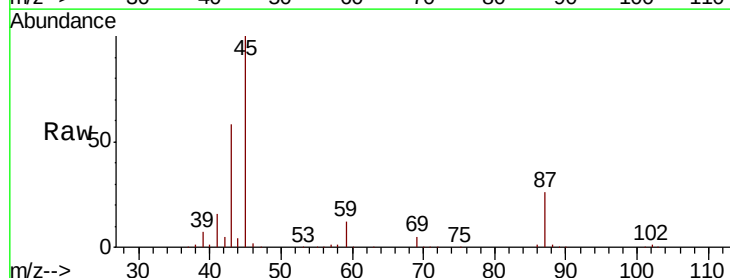
Ion Ratio Lower Upper

45 100

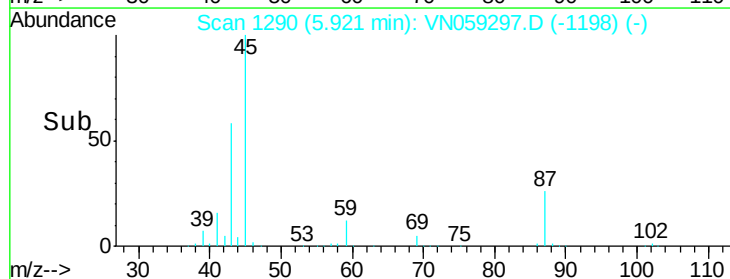
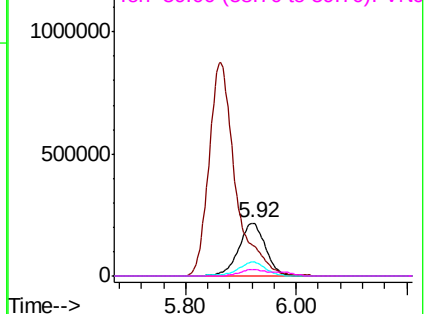
43 57.5 46.7 70.1

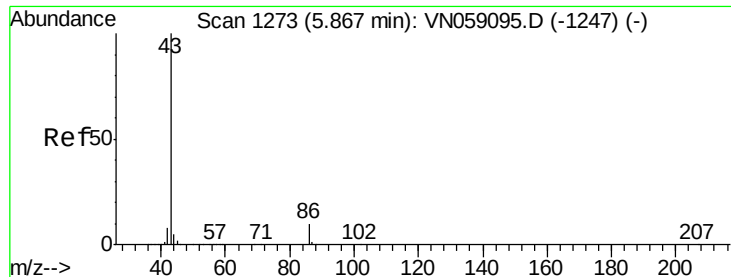
87 26.4 20.5 30.7

59 12.0 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 241.611 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

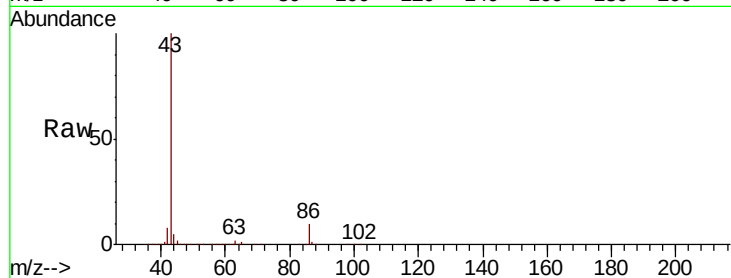
ClientSampled :

Tot Ion: 43 Resp: 2906590

Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

800000

600000

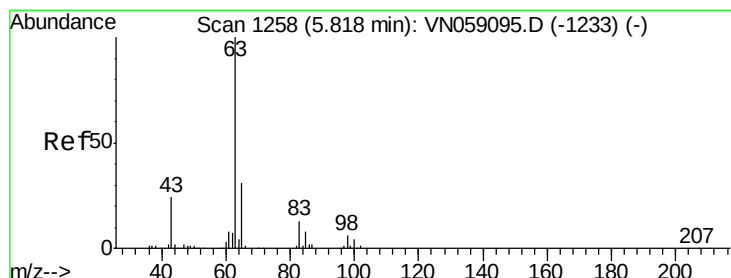
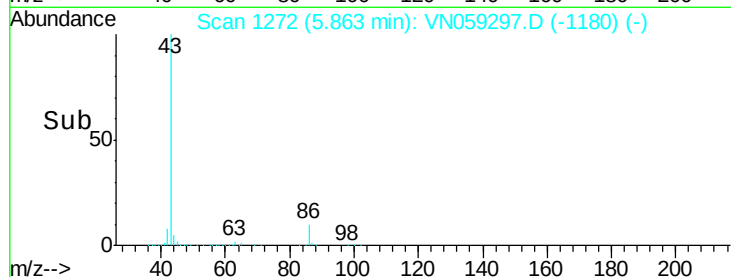
400000

200000

0

Time-->

5.80 6.00



#24

1,1-Dichloroethane

Concen: 47.660 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

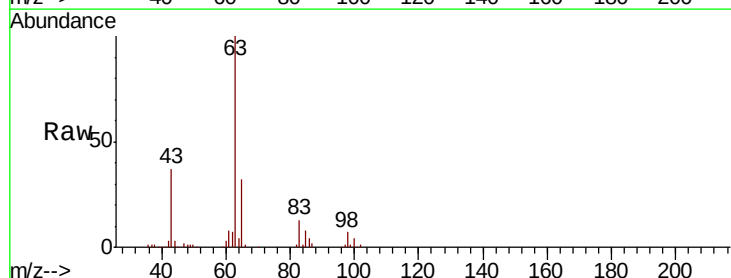
Tgt Ion: 63 Resp: 413191

Ion Ratio Lower Upper

63 100

98 6.7 2.8 8.4

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

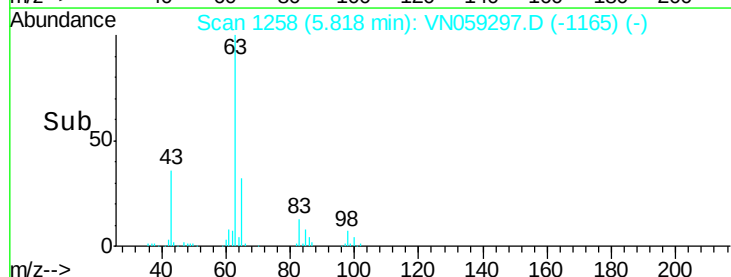
100000

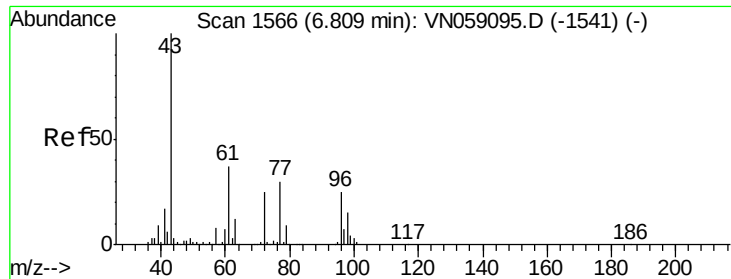
50000

0

Time-->

5.70 5.80 5.90





#25

2-Butanone

Concen: 244.994 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

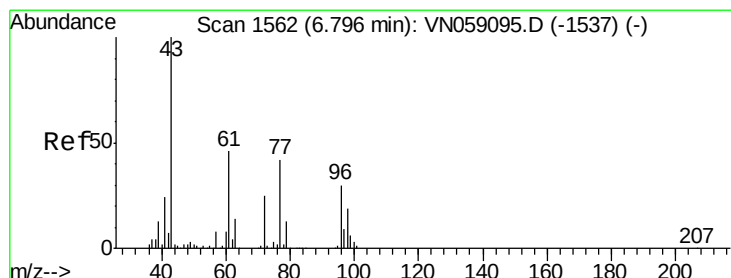
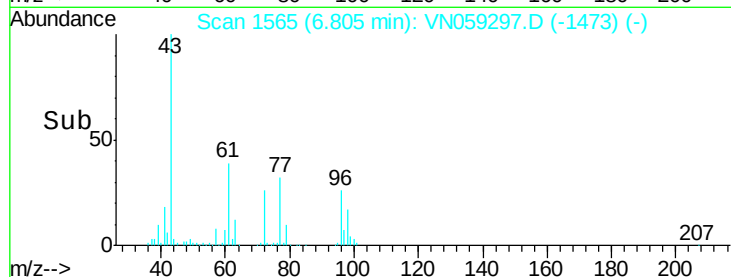
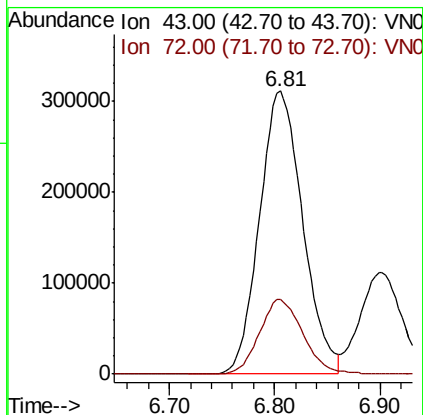
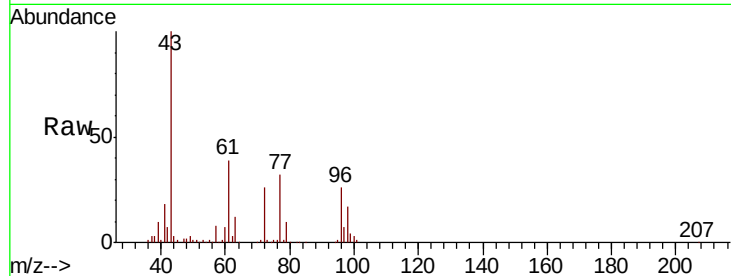
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 885183

Ion Ratio Lower Upper

43 100

72 26.4 20.3 30.5



#26

2,2-Dichloropropane

Concen: 46.382 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059297.D

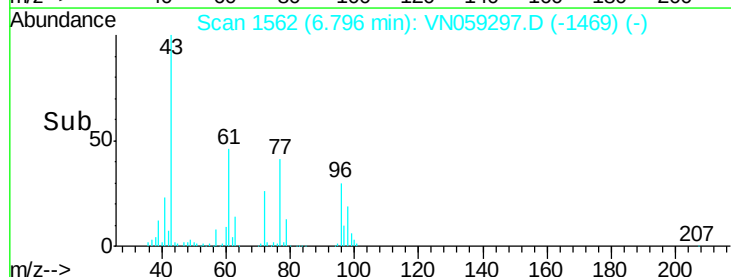
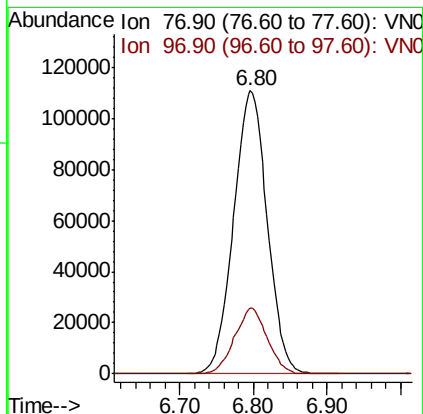
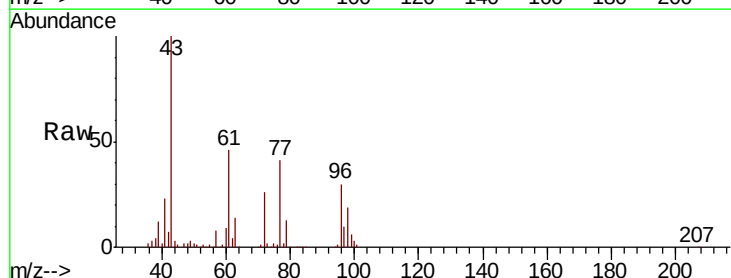
Acq: 19 Nov 2019 10:35

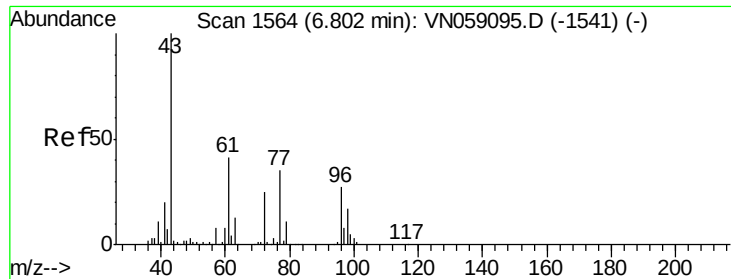
Tgt Ion: 77 Resp: 351610

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.911 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

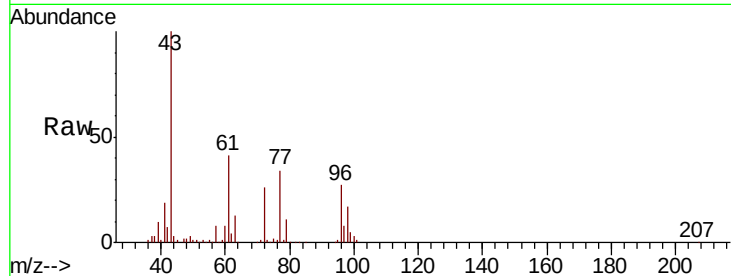
Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 243677

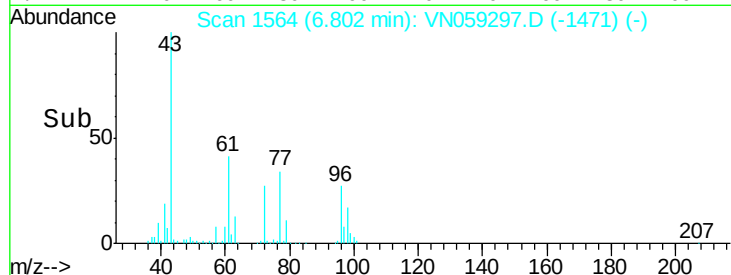
Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	311.6
98	64.7	0.0	129.8



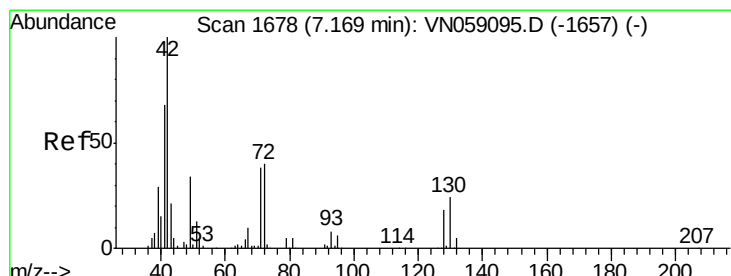
Abundance Ion 95.90 (95.60 to 96.60): VN059297.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059297.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059297.D (-1471) (-)



Time-->



#28

Bromochloromethane

Concen: 40.901 ug/l

RT: 7.17 min Scan# 1678

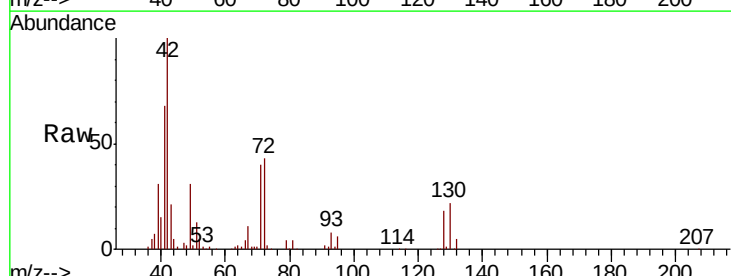
Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion: 49 Resp: 106683

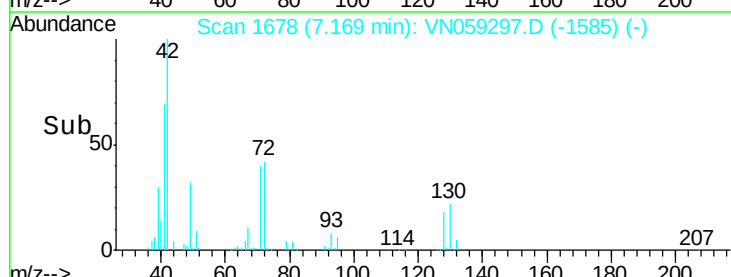
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	72.5	55.6	83.4



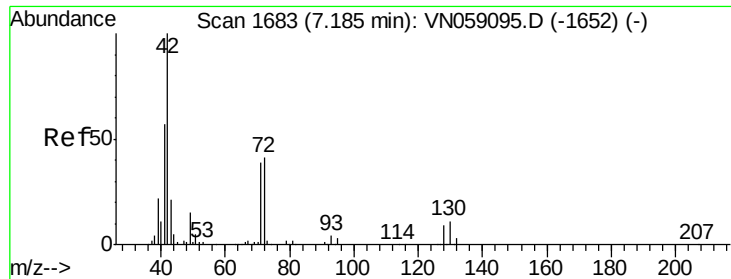
Abundance Ion 48.90 (48.60 to 49.60): VN059297.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059297.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059297.D (-1585) (-)



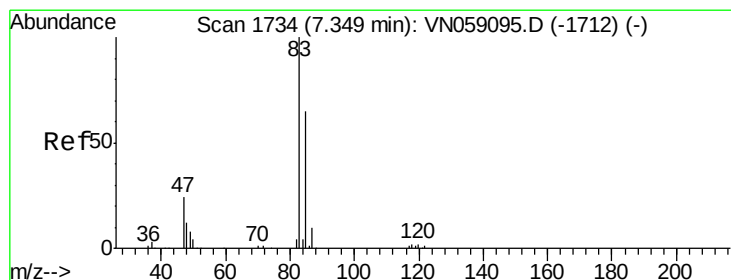
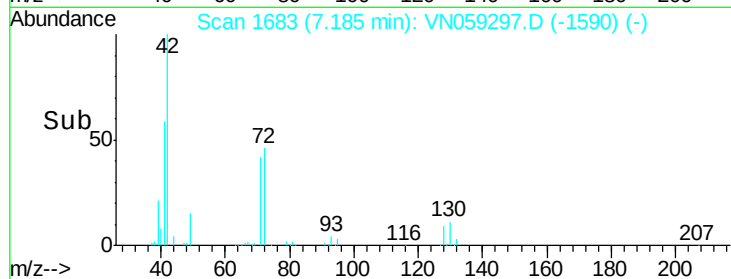
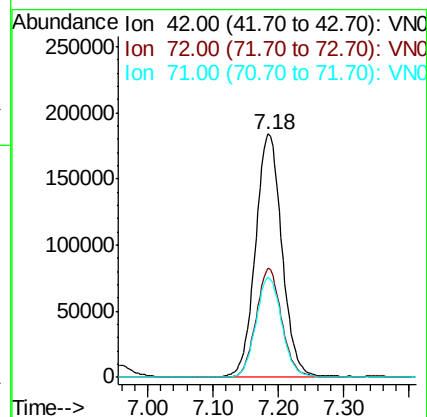
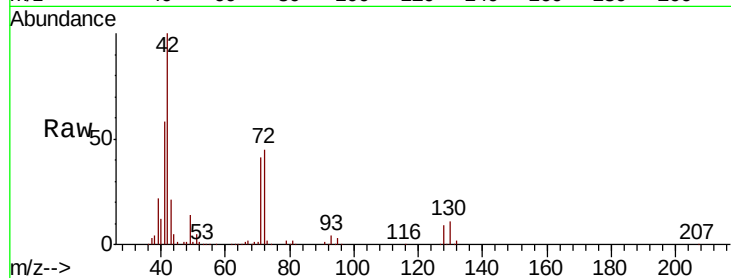
Time-->



#29
Tetrahydrofuran
Concen: 226.724 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

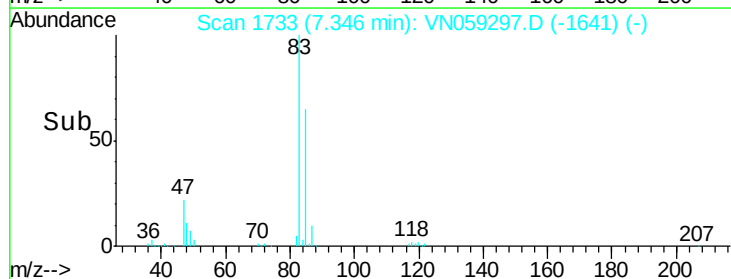
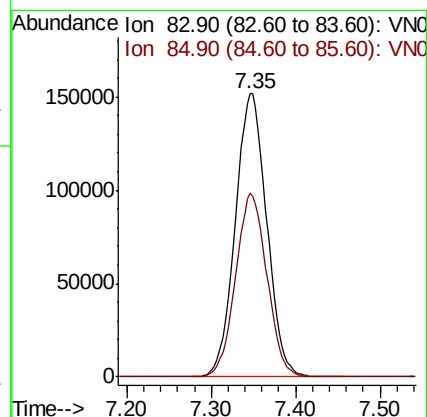
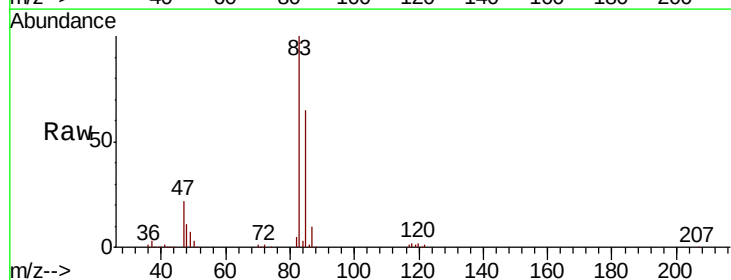
Instrument :
MSVOA_N
ClientSampled :

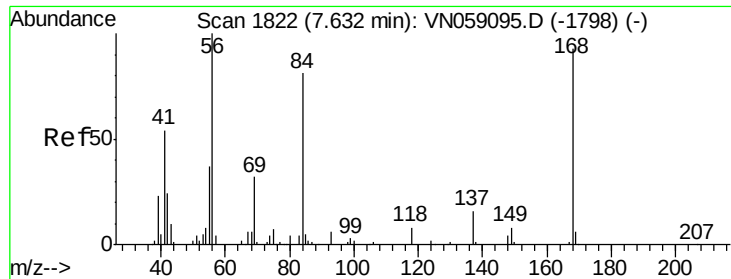
Tot Ion: 42 Resp: 520501
Ion Ratio Lower Upper
42 100
72 43.2 33.1 49.7
71 40.3 30.9 46.3



#30
Chloroform
Concen: 47.315 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 83 Resp: 393492
Ion Ratio Lower Upper
83 100
85 65.0 51.8 77.8

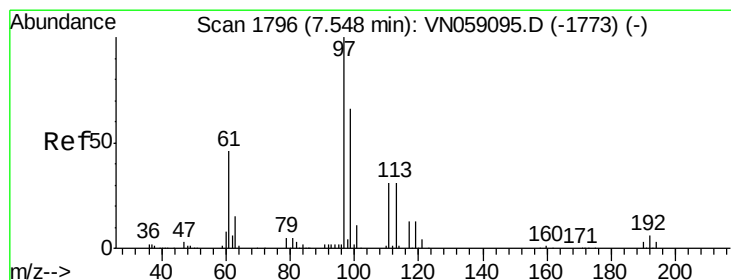
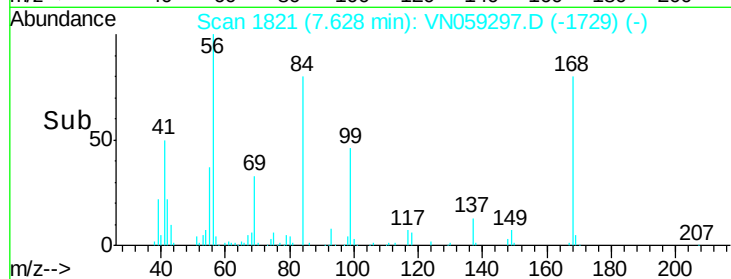
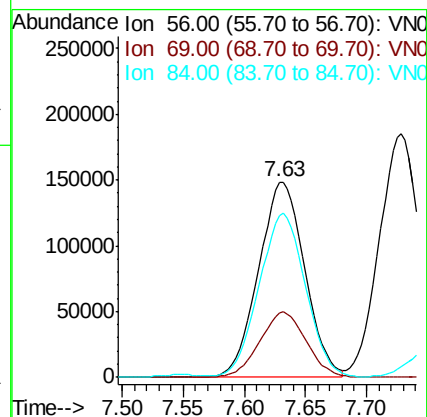
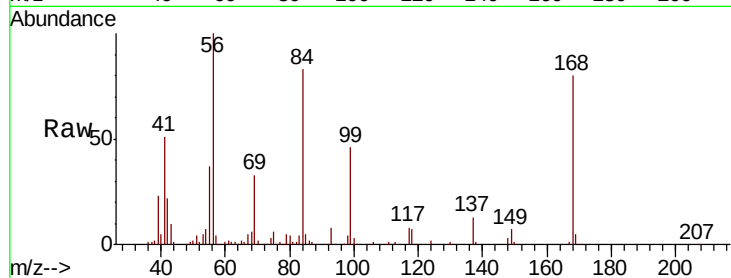




#31
Cyclohexane
Concen: 47.553 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

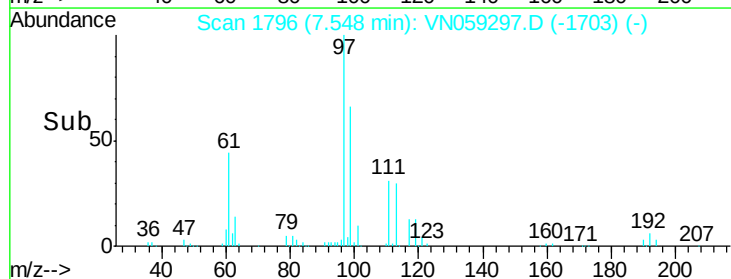
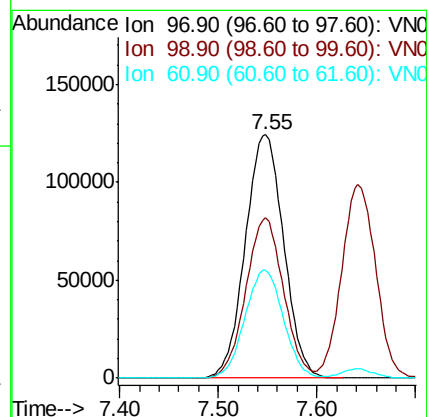
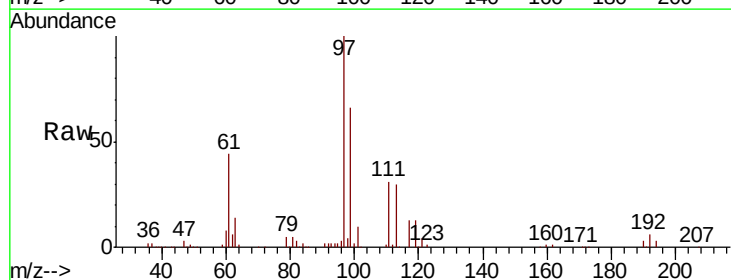
Instrument :
MSVOA_N
ClientSampled :

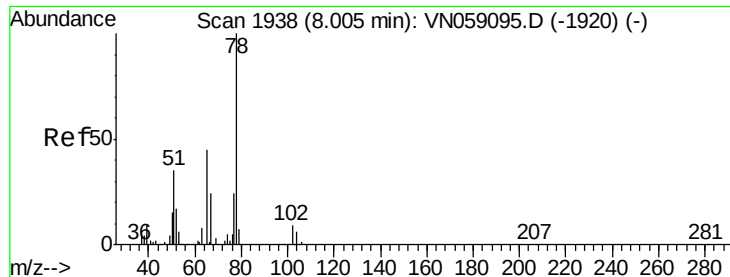
Tot Ion: 56 Resp: 390281
Ion Ratio Lower Upper
56 100
69 32.8 25.8 38.8
84 82.0 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 47.871 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 97 Resp: 334718
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 44.5 35.8 53.8

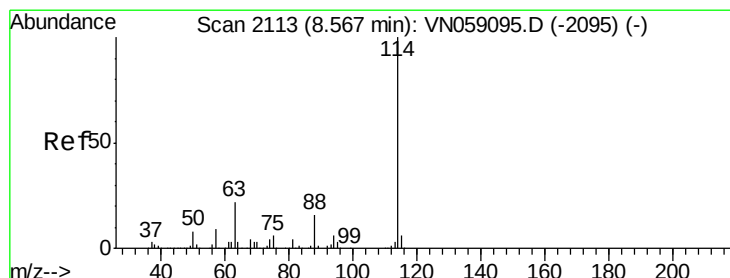
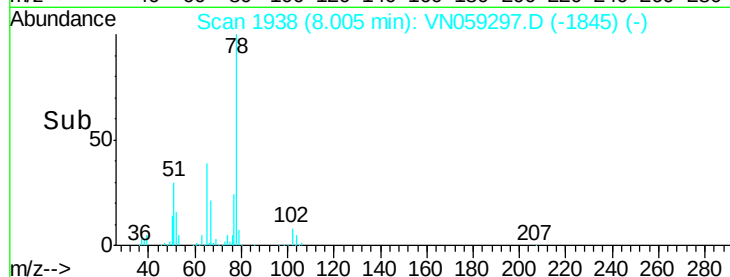
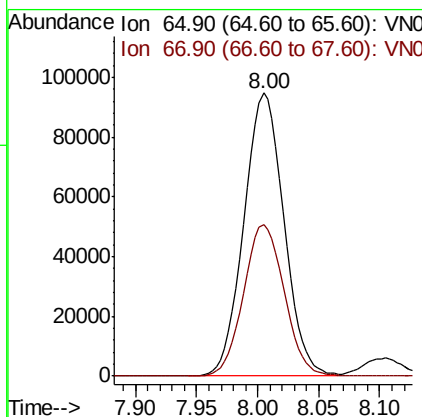
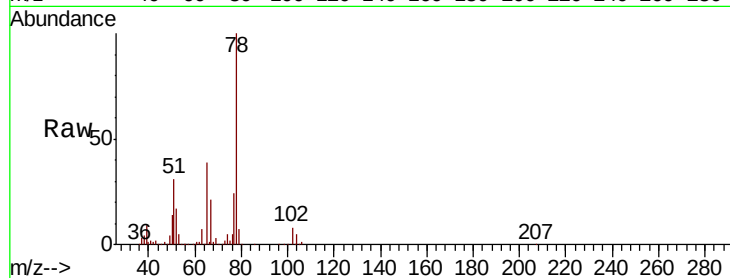




#33
 1,2-Dichloroethane-d4
 Concen: 40.843 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

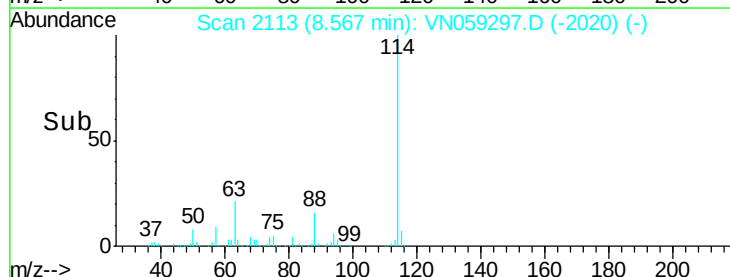
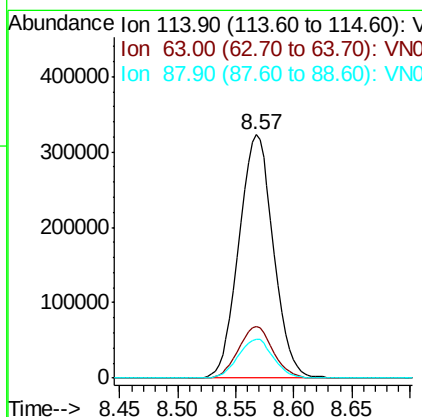
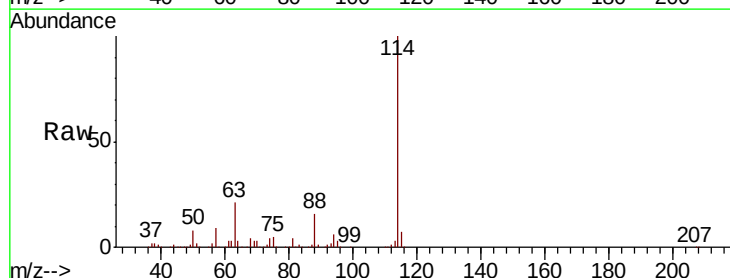
Instrument :
 MSVOA_N
 ClientSampled :

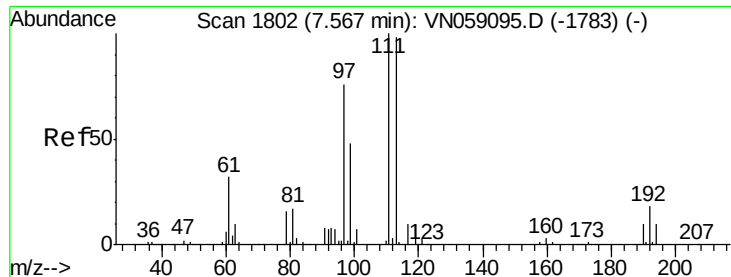
Tot Ion: 65 Resp: 215319
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion: 114 Resp: 669568
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 16.1 0.0 32.2

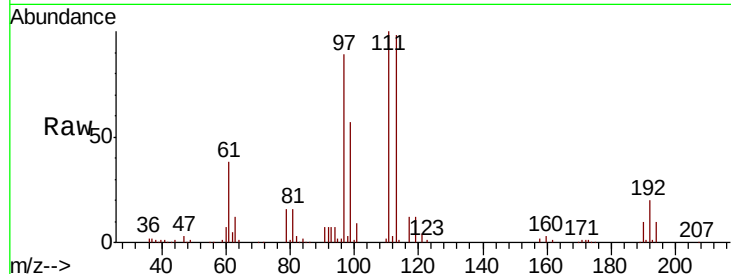




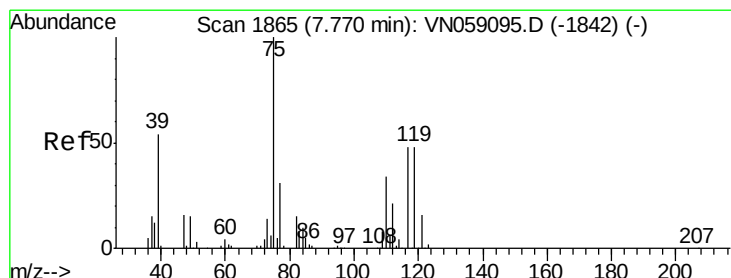
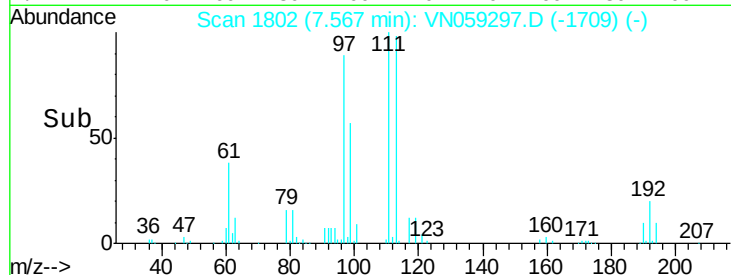
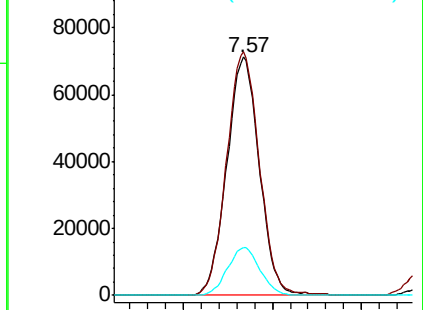
#35
 Dibromofluoromethane
 Concen: 44.995 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	20.0	16.1	24.1

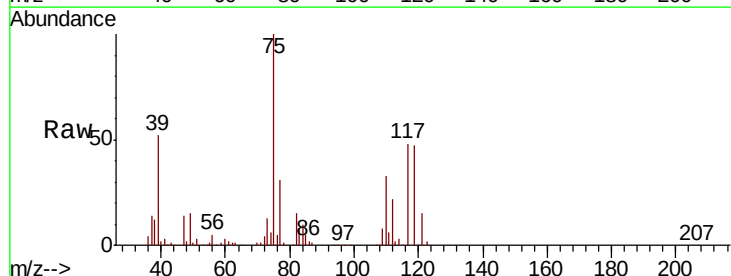


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

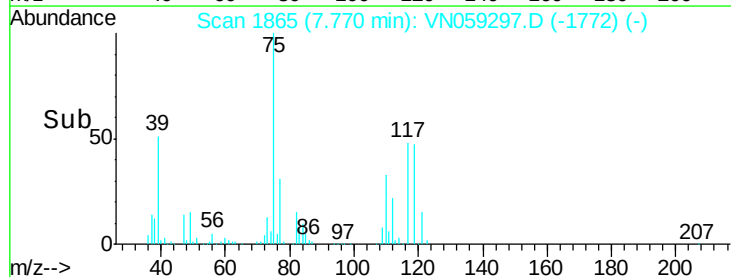
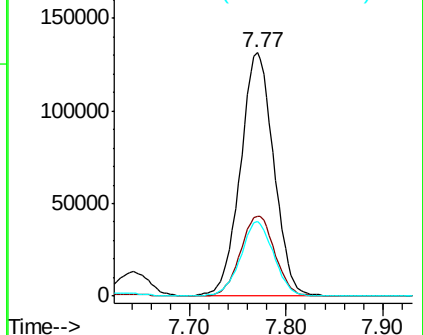


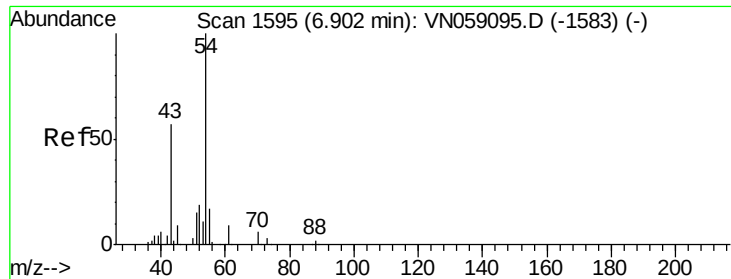
#36
 1,1-Dichloropropene
 Concen: 50.126 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.1	51.2
77	30.7	24.8	37.2



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

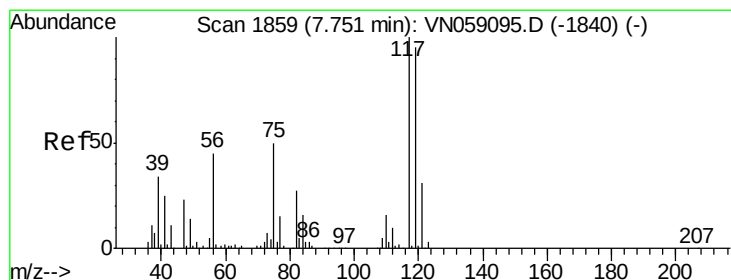
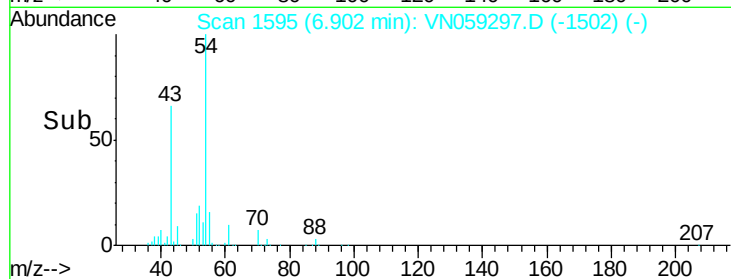
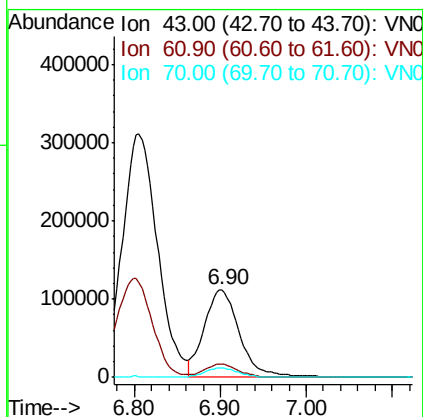
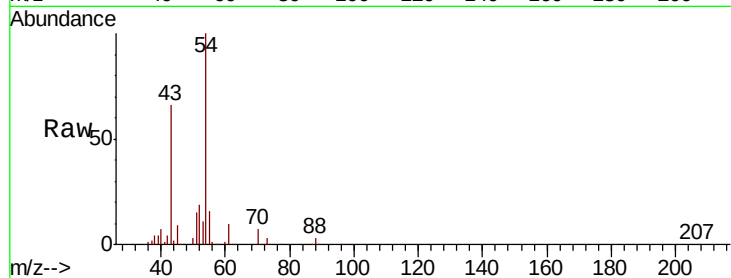




#37
Ethyl Acetate
Concen: 45.609 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

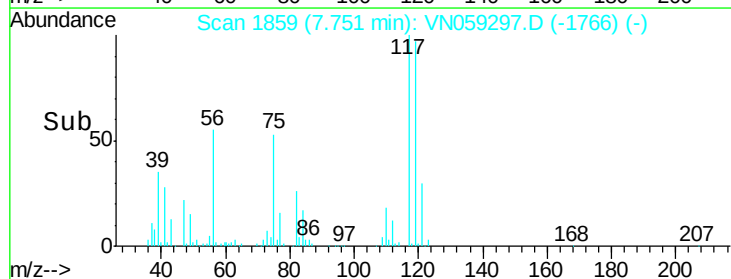
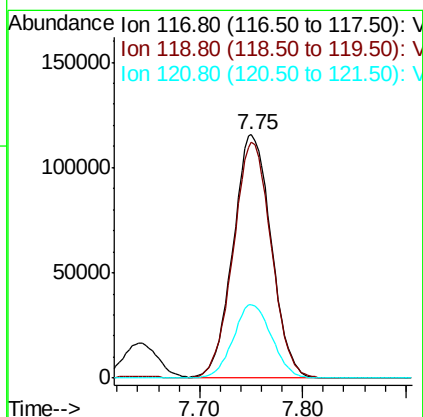
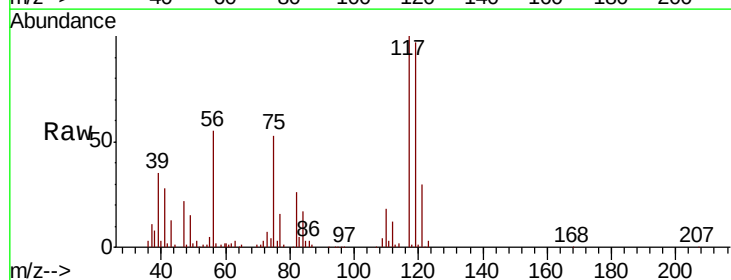
Instrument :
MSVOA_N
ClientSampleId :

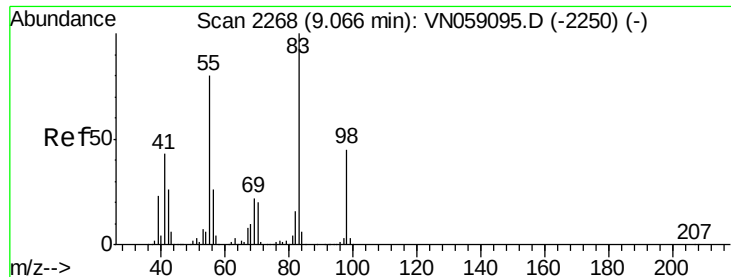
Tot Ion: 43 Resp: 317546
Ion Ratio Lower Upper
43 100
61 14.3 11.2 16.8
70 10.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 47.825 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 117 Resp: 297914
Ion Ratio Lower Upper
117 100
119 96.8 75.6 113.4
121 30.2 24.6 36.8

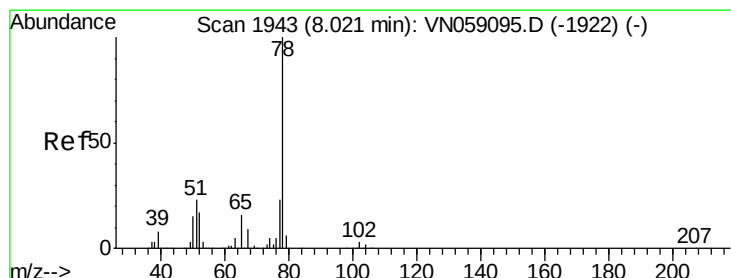
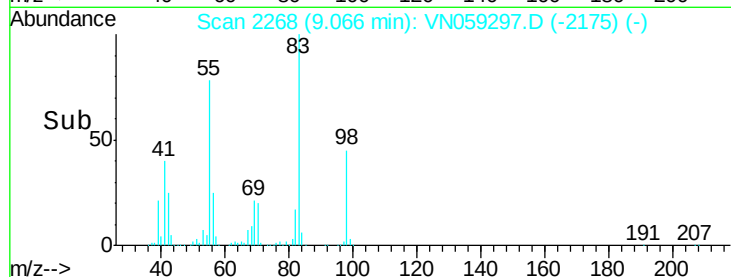
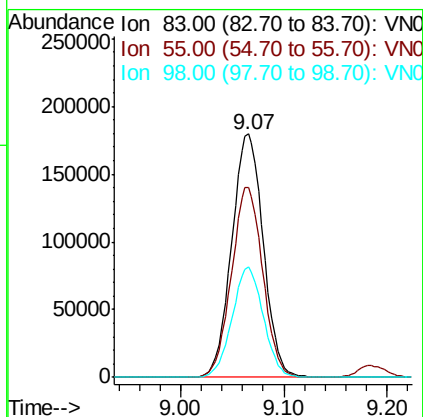
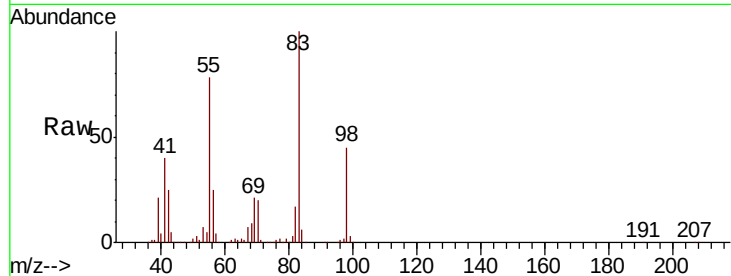




#39
Methylvlcyclohexane
Concen: 52.798 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

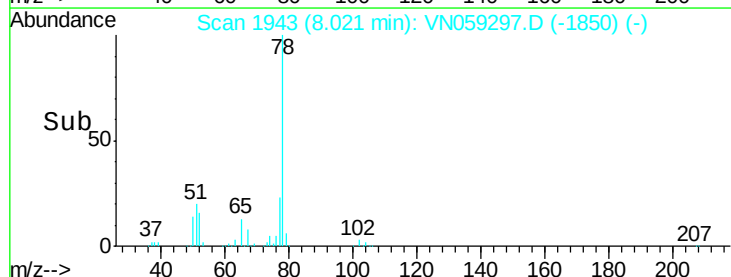
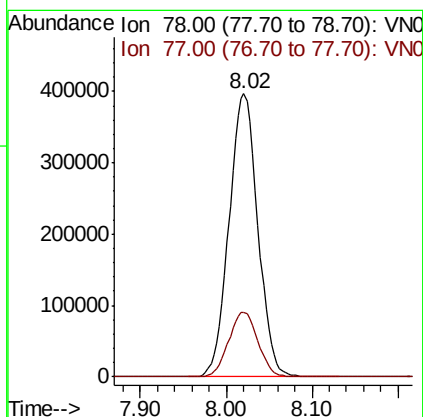
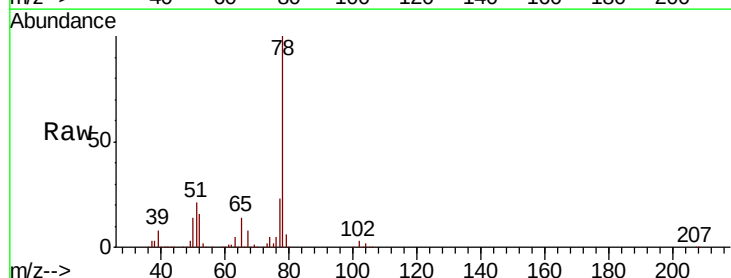
Instrument :
MSVOA_N
ClientSampleId :

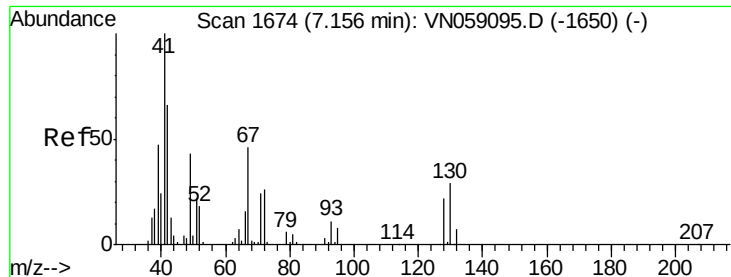
Tot Ion	83	Resp	383499
Ion Ratio	Lower	Upper	
83	100		
55	78.0	63.9	95.9
98	45.3	35.6	53.4



#40
Benzene
Concen: 48.822 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	78	Resp	920130
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.8	28.2

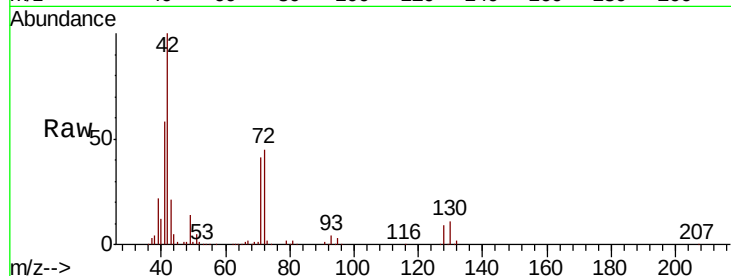




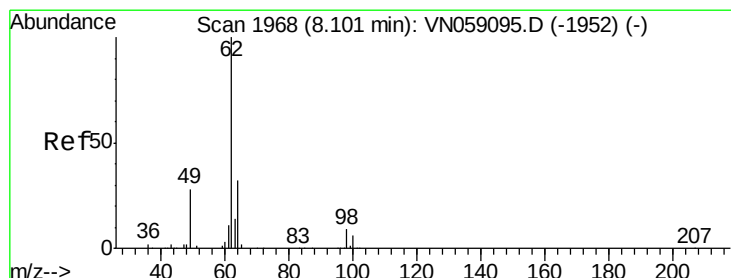
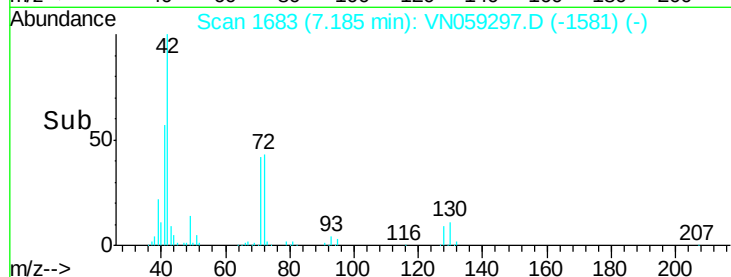
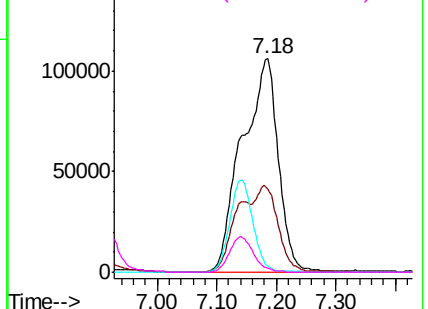
#41
Methacrylonitrile
Concen: 149.360 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	452196
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

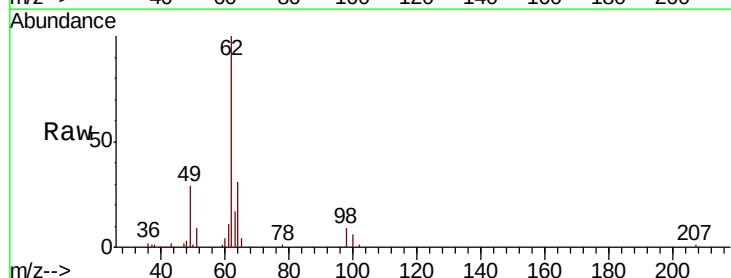


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

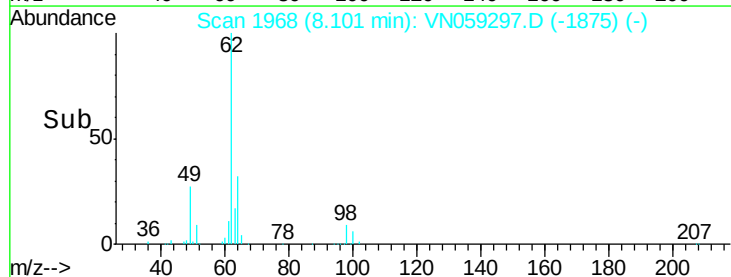
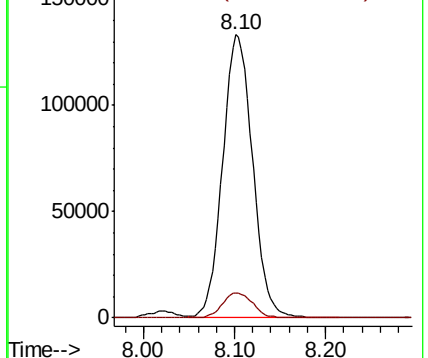


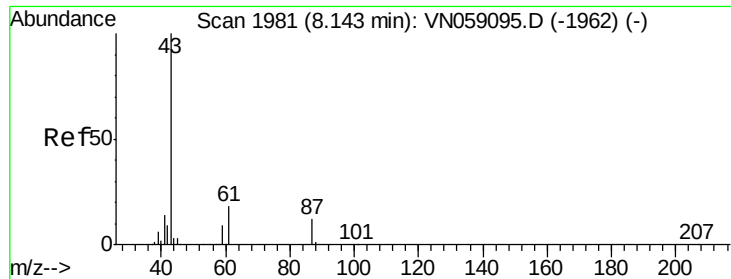
#42
1,2-Dichloroethane
Concen: 47.110 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion:	62	Resp:	304511
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



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

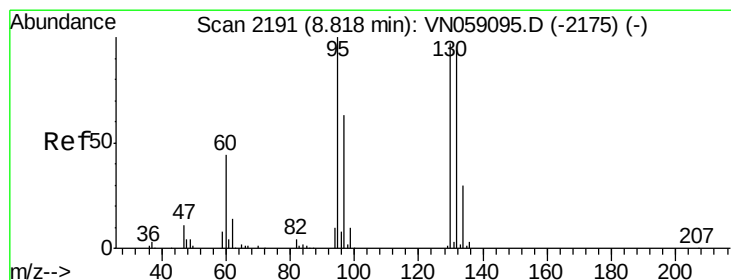
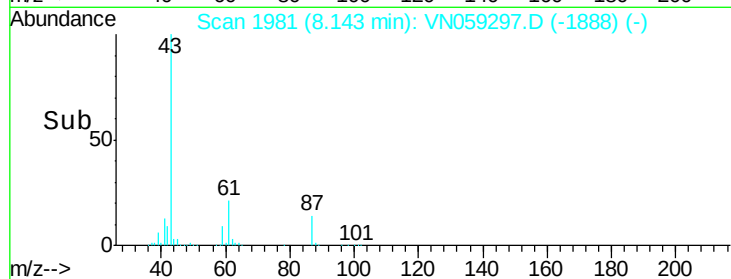
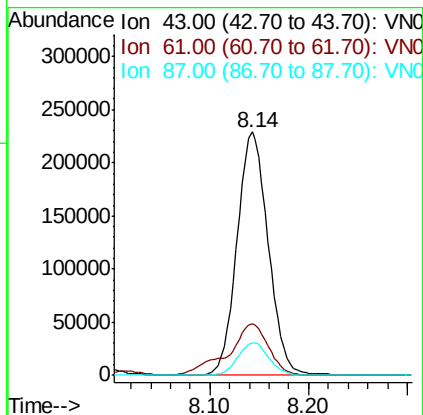
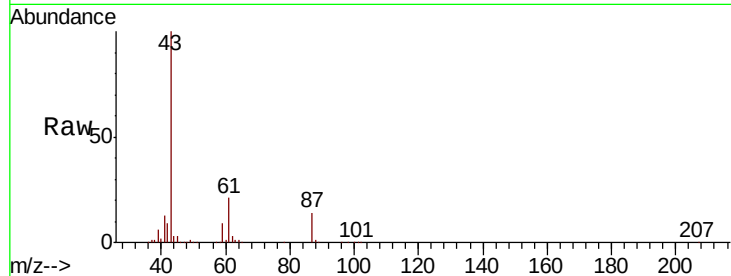




#43
Isopropyl Acetate
Concen: 45.057 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

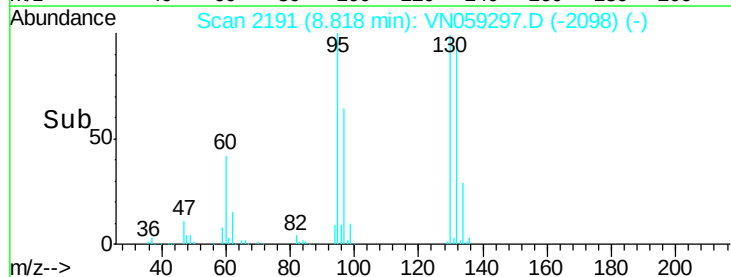
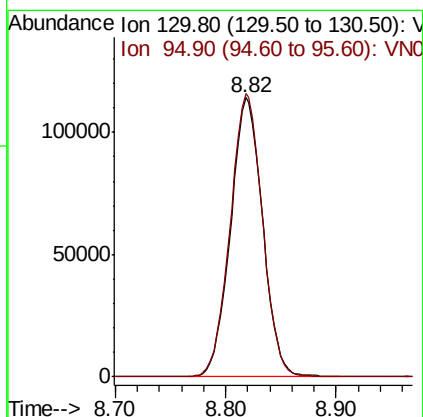
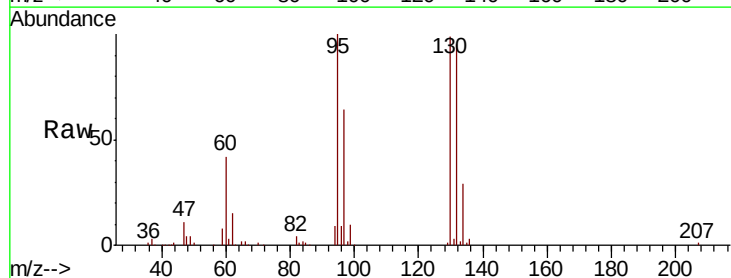
Instrument :
MSVOA_N
ClientSampleId :

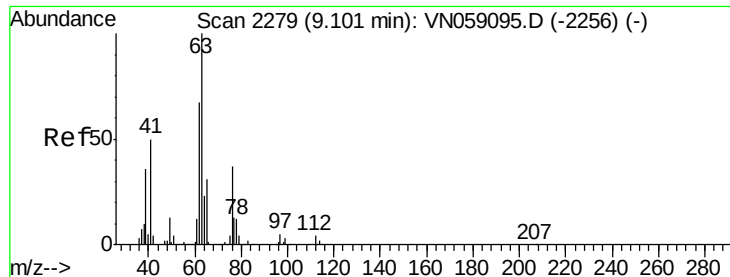
Tot Ion	43	Resp	500128
Ion Ratio	Lower	Upper	
43	100		
61	27.2	21.0	31.6
87	13.4	9.8	14.6



#44
Trichloroethene
Concen: 49.617 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	130	Resp	229864
Ion Ratio	Lower	Upper	
130	100		
95	101.4	0.0	206.4

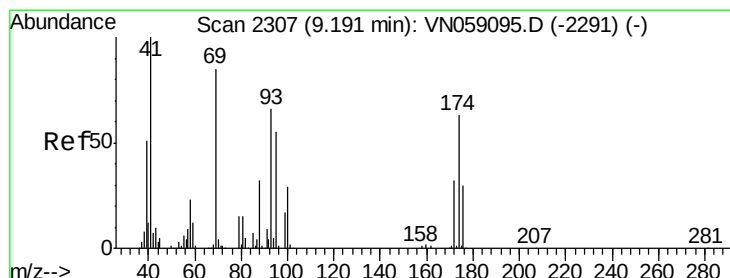
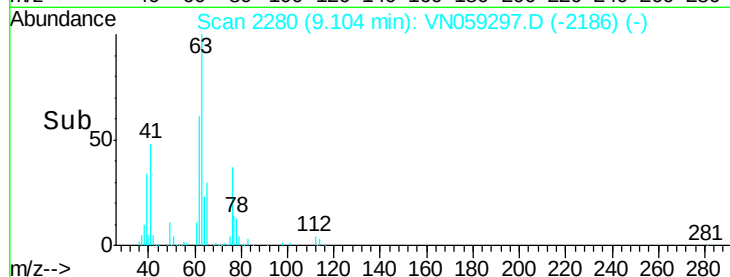
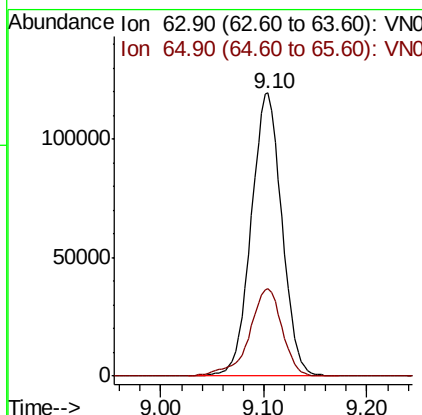
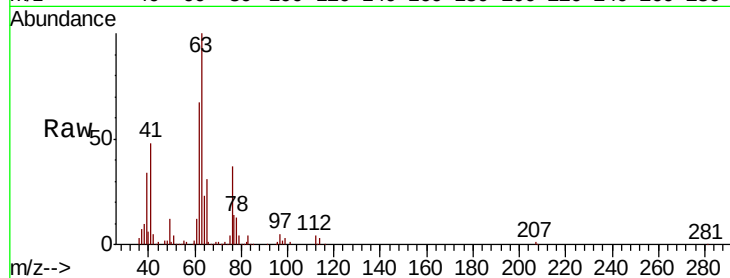




#45
 1,2-Dichloropropane
 Concen: 48.073 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

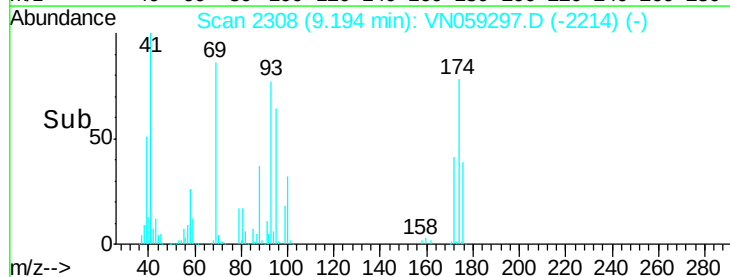
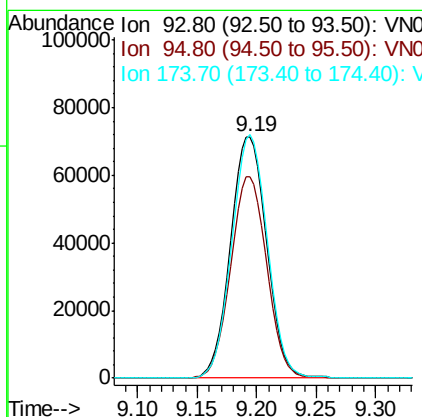
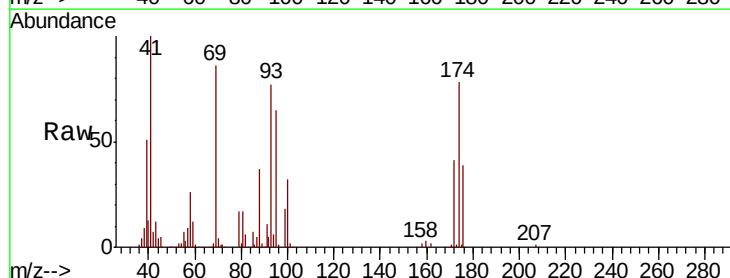
Instrument :
 MSVOA_N
 ClientSampled :

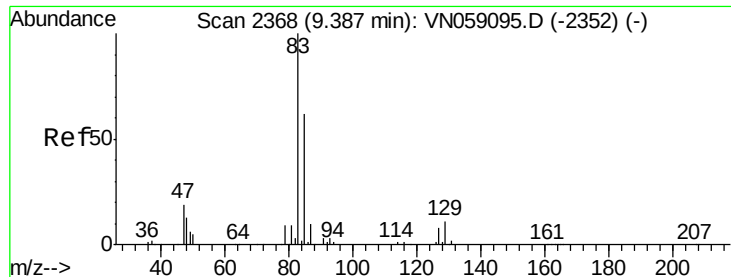
Tot Ion: 63 Resp: 246086
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0



#46
 Dibromomethane
 Concen: 47.246 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion: 93 Resp: 150710
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 99.1 78.2 117.2





#47

Bromodichloromethane

Concen: 47.948 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

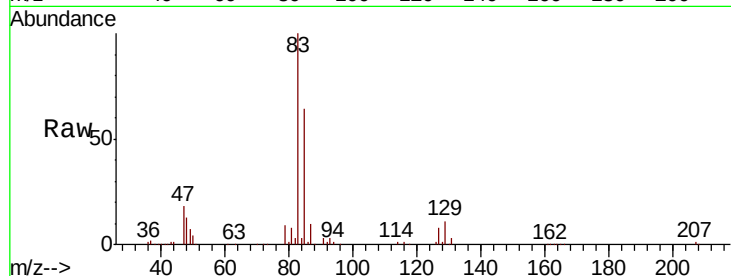
Tot Ion: 83 Resp: 305420

Ion Ratio Lower Upper

83 100

85 63.8 49.7 74.5

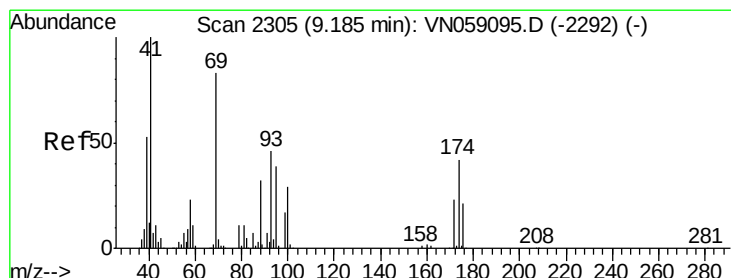
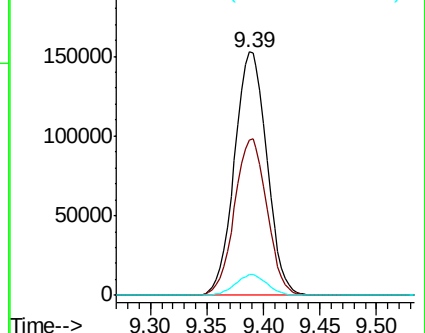
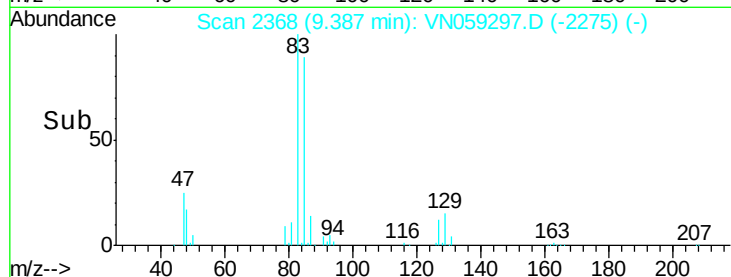
127 8.4 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN059297.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059297.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059297.D (-2275) (-)



#48

Methyl methacrylate

Concen: 45.817 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

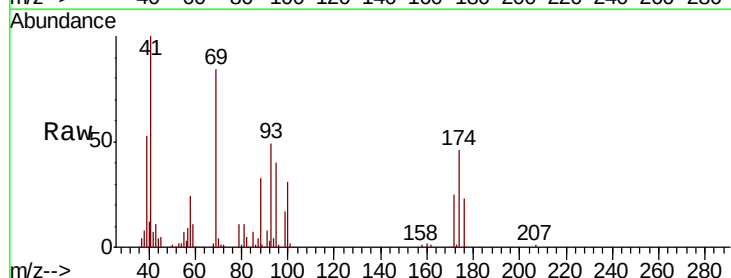
Tgt Ion: 41 Resp: 227478

Ion Ratio Lower Upper

41 100

69 87.4 67.3 100.9

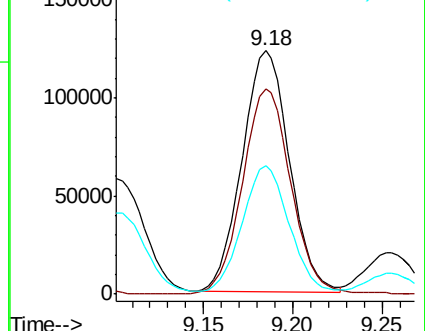
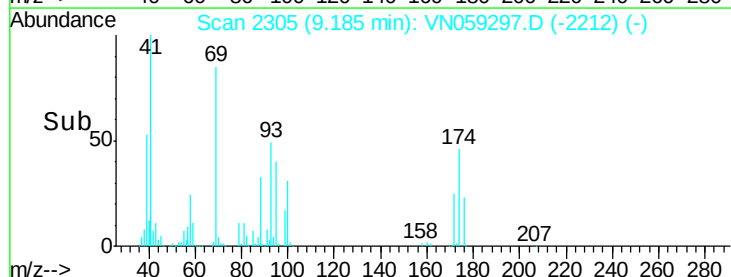
39 51.5 43.3 64.9

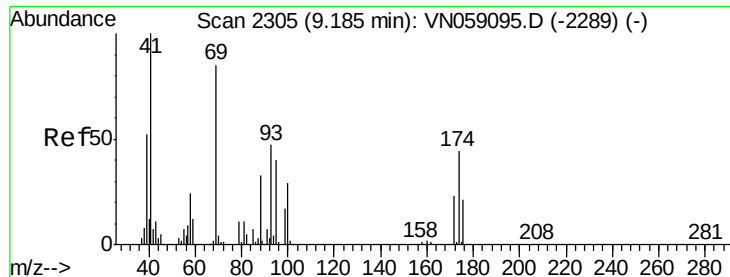


Abundance Ion 41.00 (40.70 to 41.70): VN059297.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059297.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059297.D (-2212) (-)

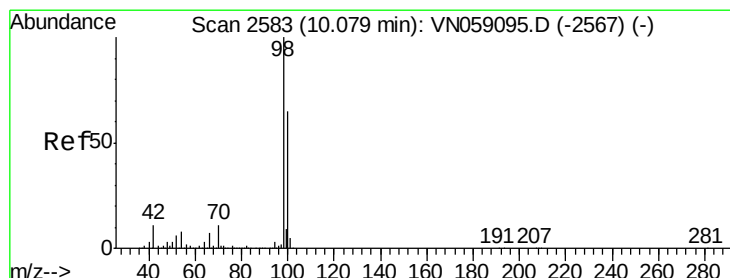
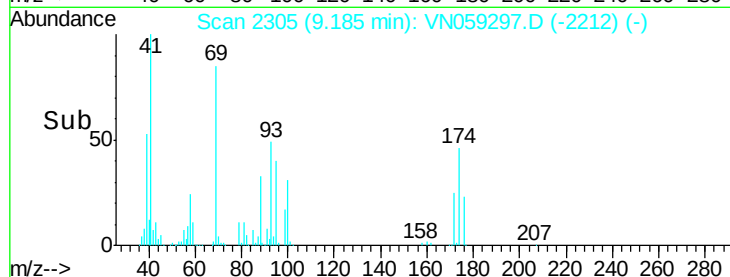
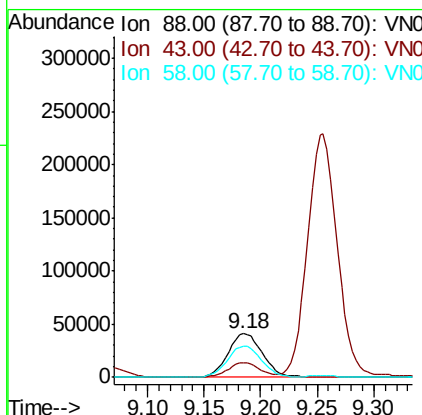
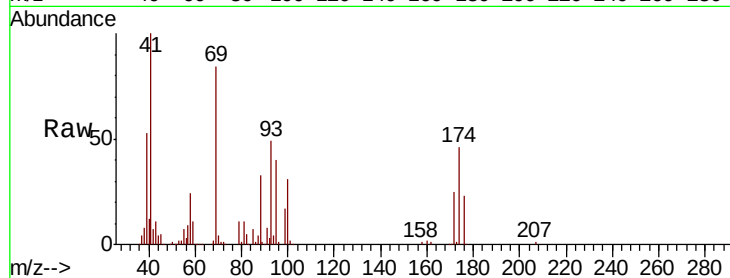




#49
1,4-Dioxane
Concen: 998.561 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

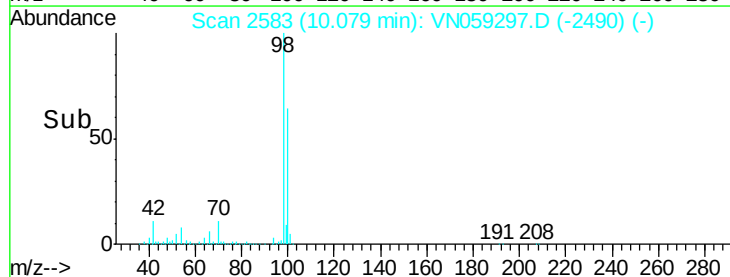
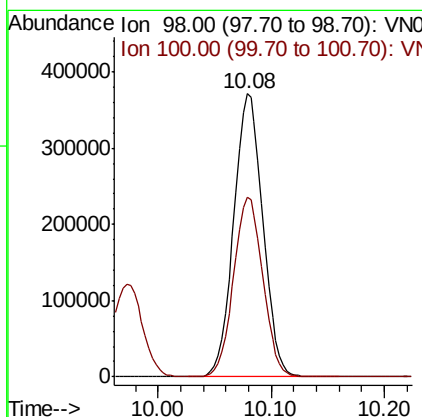
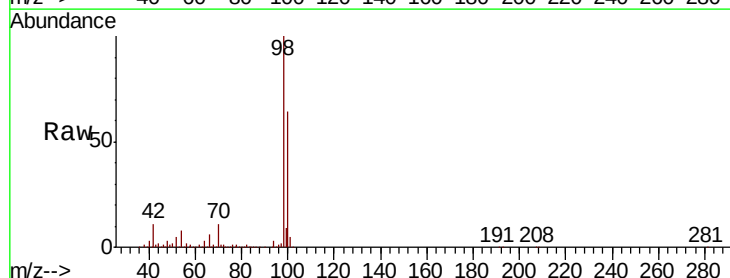
Instrument :
MSVOA_N
ClientSampled :

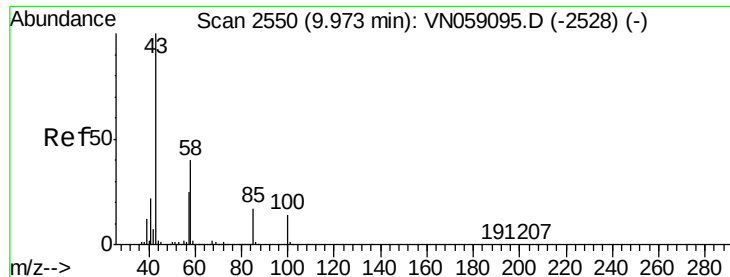
Tot Ion: 88 Resp: 88107
Ion Ratio Lower Upper
88 100
43 30.6 26.3 39.5
58 70.3 60.6 90.8



#50
Toluene-d8
Concen: 42.318 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 98 Resp: 666407
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 243.471 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

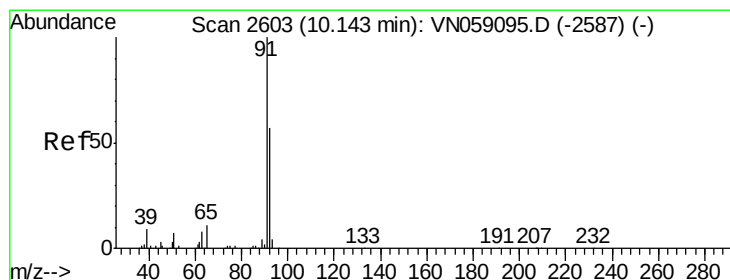
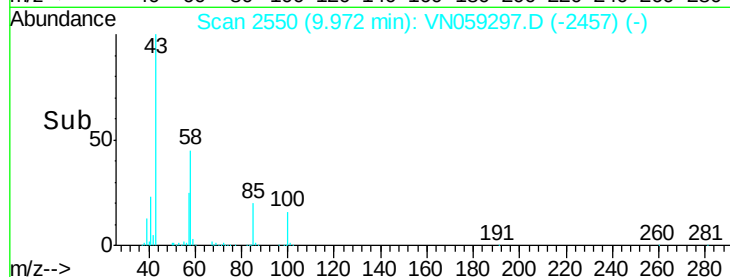
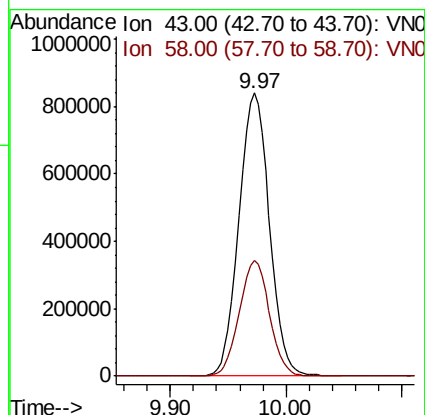
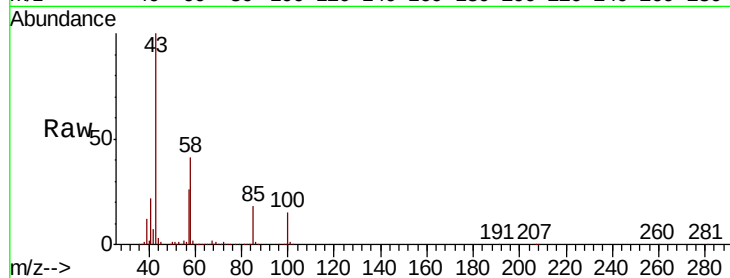
ClientSampleId :

Tot Ion: 43 Resp: 1529135

Ion Ratio Lower Upper

43 100

58 40.3 31.5 47.3



#52

Toluene

Concen: 49.569 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059297.D

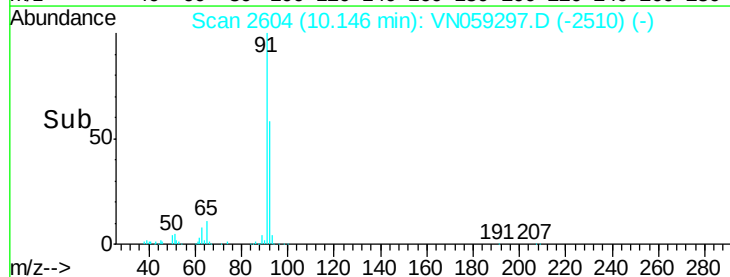
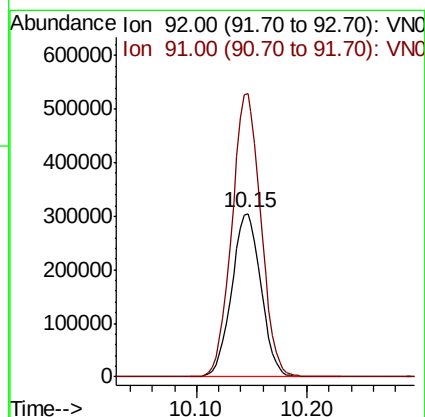
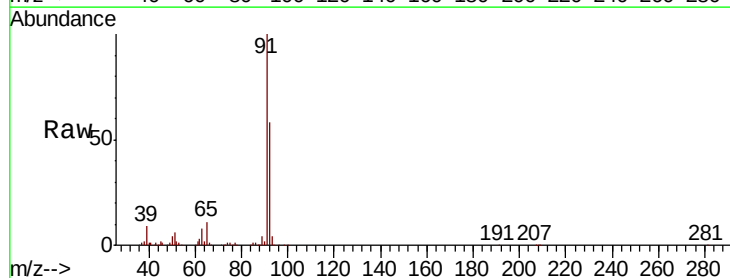
Acq: 19 Nov 2019 10:35

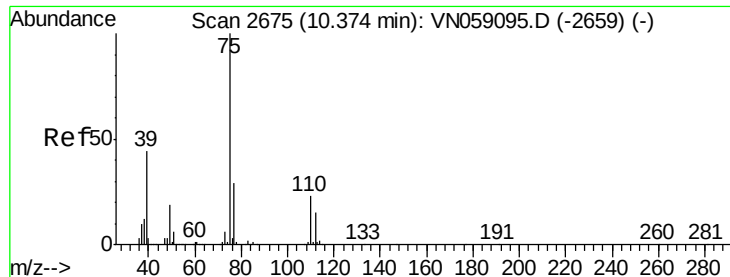
Tgt Ion: 92 Resp: 559937

Ion Ratio Lower Upper

92 100

91 172.3 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 47.944 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

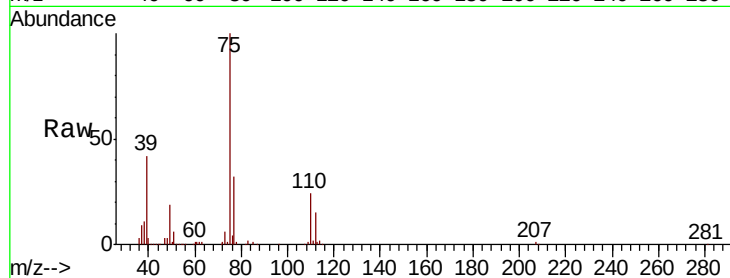
ClientSampled :

Tot Ion: 75 Resp: 352827

Ion Ratio Lower Upper

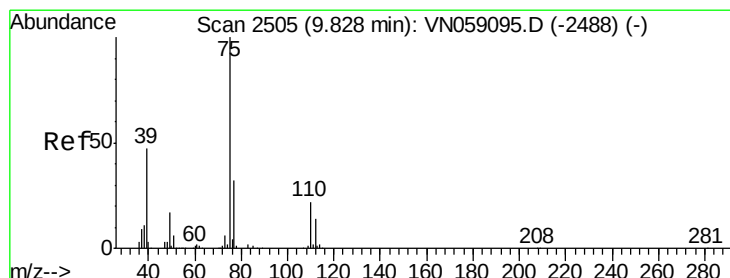
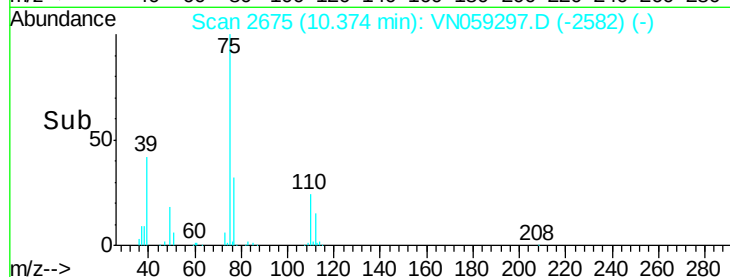
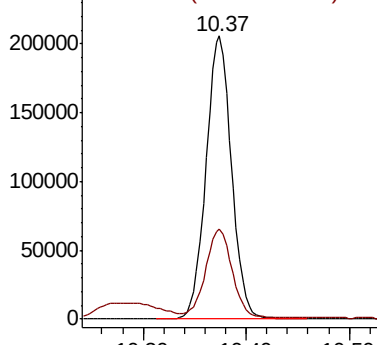
75 100

77 31.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.283 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

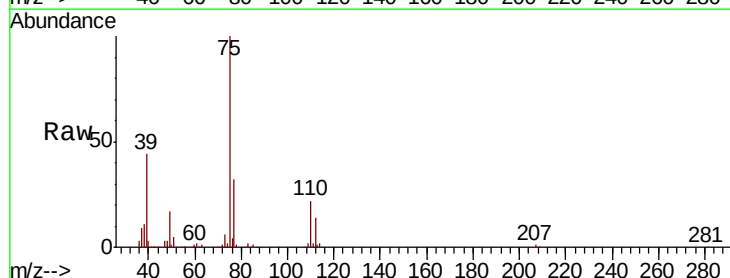
Tgt Ion: 75 Resp: 390128

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

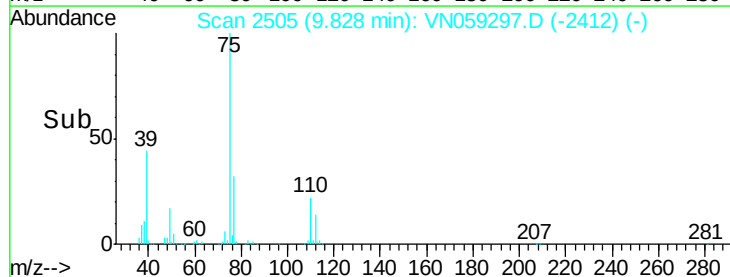
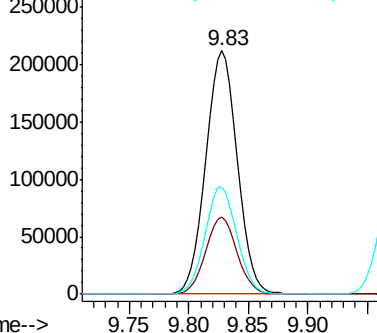
39 44.1 37.3 55.9

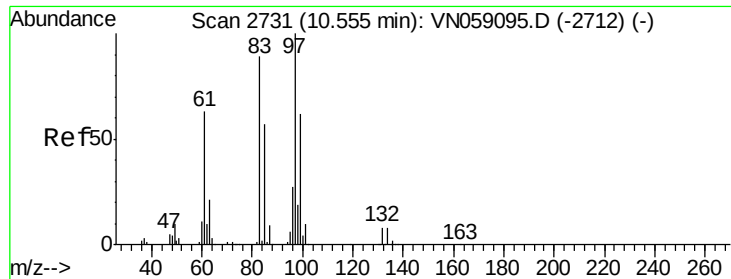


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

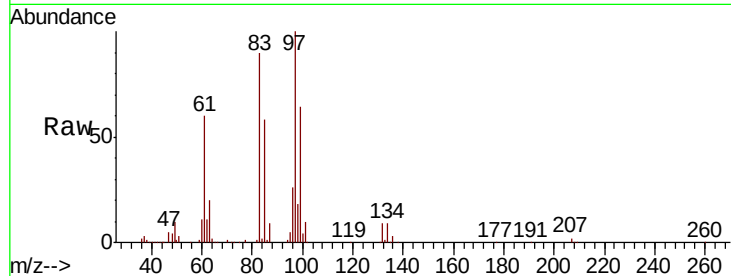




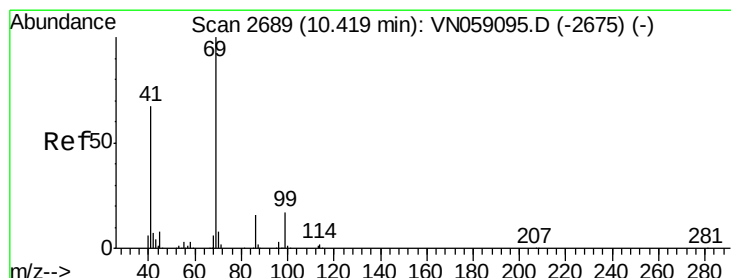
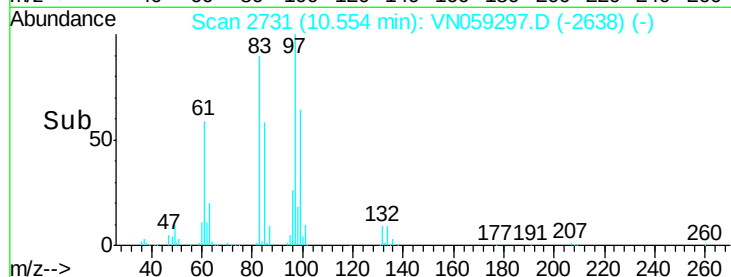
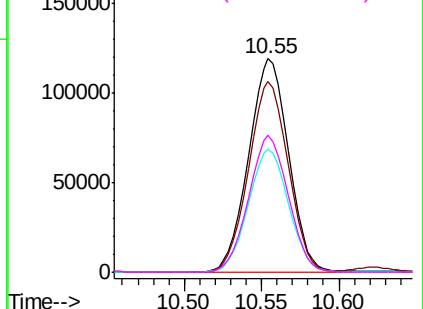
#55
 1,1,2-Trichloroethane
 Concen: 46.954 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	214658
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.0	106.4
85	57.6	45.8	68.8
99	63.9	49.4	74.0

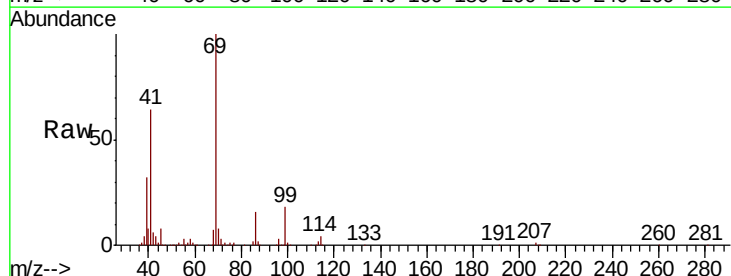


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

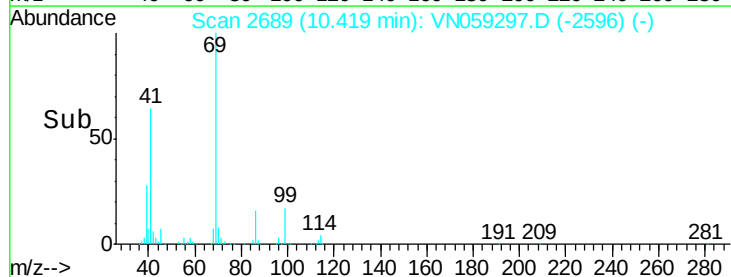
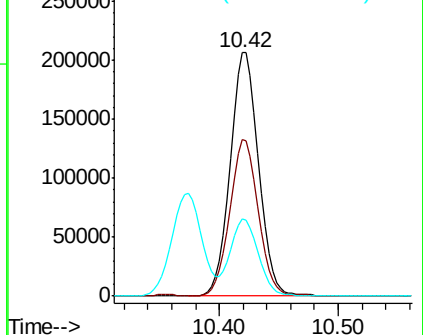


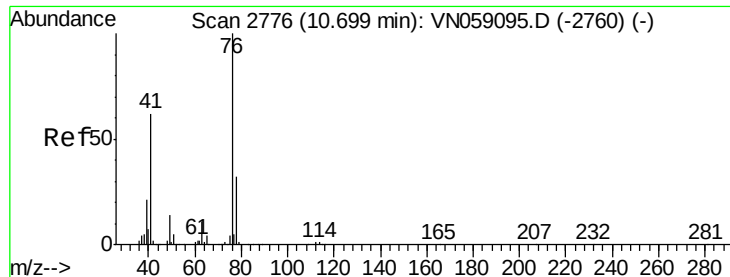
#56
 Ethyl methacrylate
 Concen: 44.963 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion:	69	Resp:	341343
Ion	Ratio	Lower	Upper
69	100		
41	63.8	53.6	80.4
39	30.8	26.2	39.4



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: 48.043 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

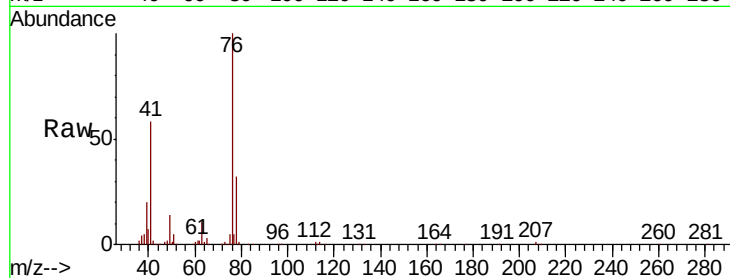
ClientSampleId :

Tot Ion: 76 Resp: 378014

Ion Ratio Lower Upper

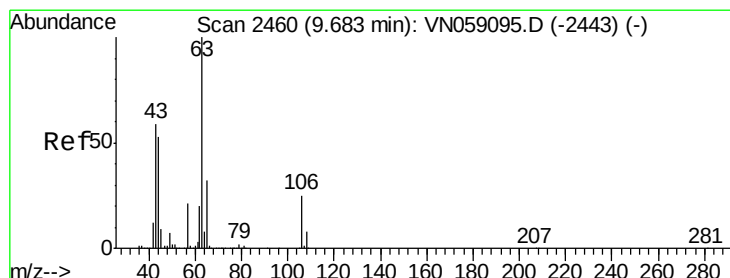
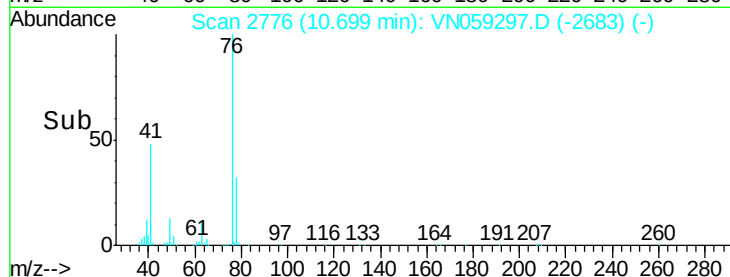
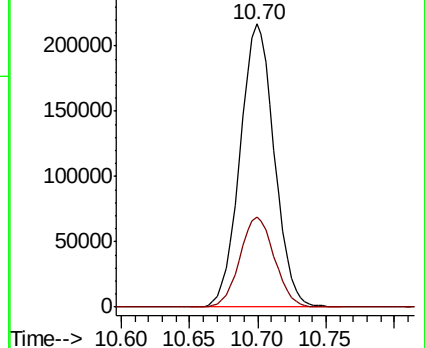
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 114.684 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059297.D

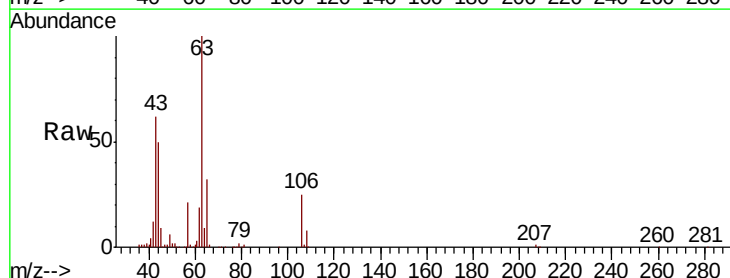
Acq: 19 Nov 2019 10:35

Tgt Ion: 63 Resp: 291781

Ion Ratio Lower Upper

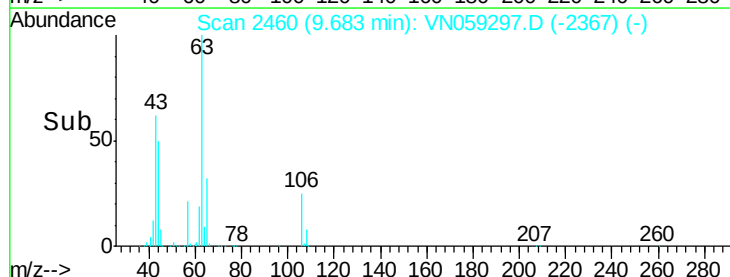
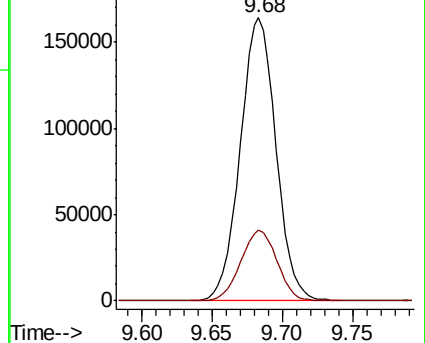
63 100

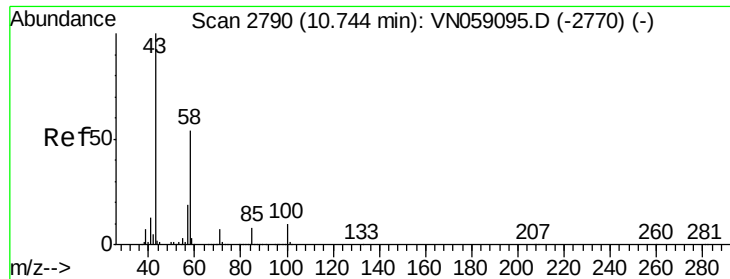
106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

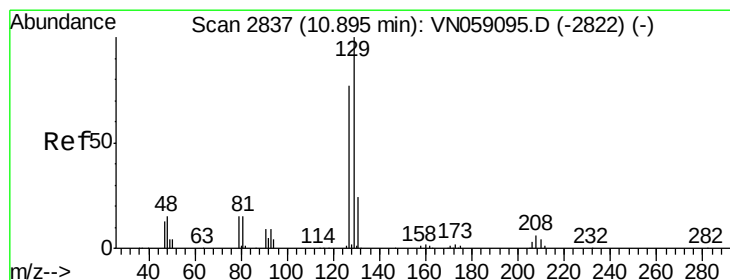
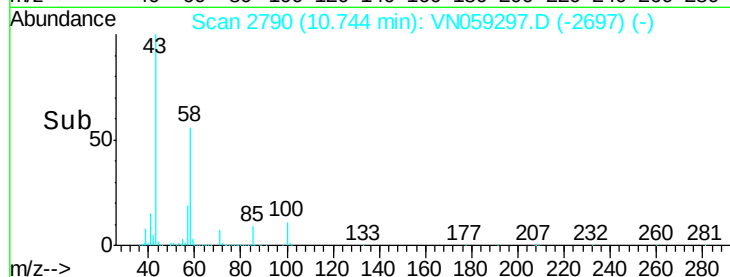
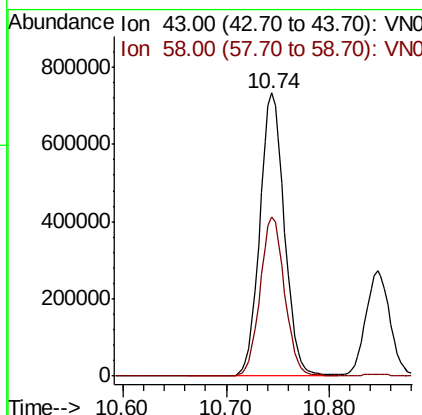
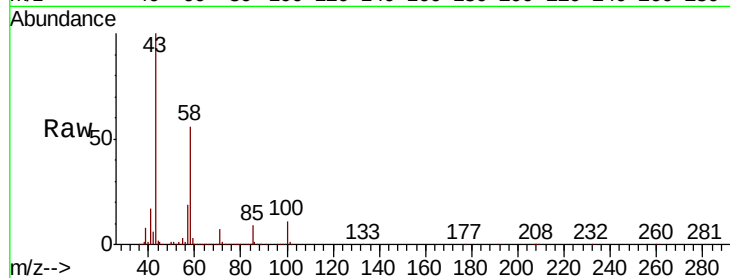




#59
2-Hexanone
Concen: 250.325 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

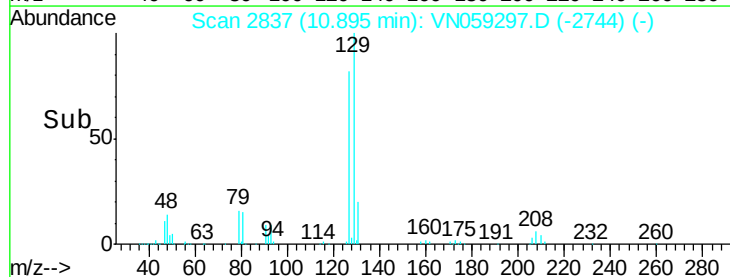
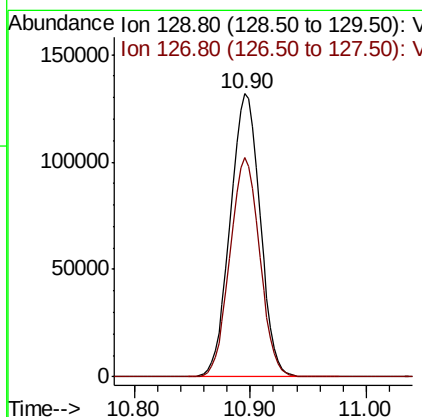
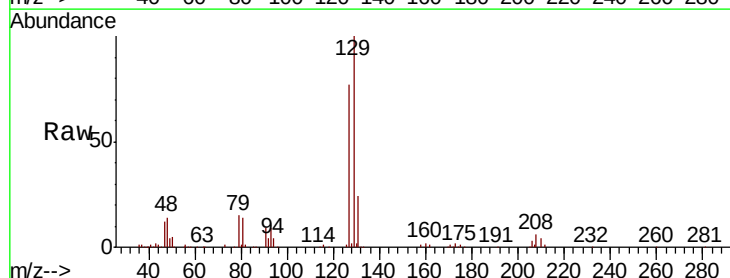
Instrument :
MSVOA_N
ClientSampled :

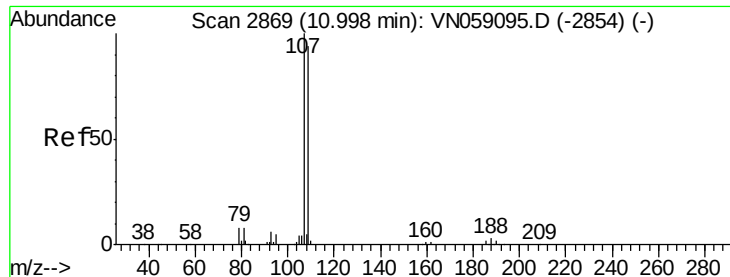
Tot Ion: 43 Resp: 1206722
Ion Ratio Lower Upper
43 100
58 56.2 27.3 81.8



#60
Dibromochloromethane
Concen: 48.618 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 129 Resp: 234995
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.714 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

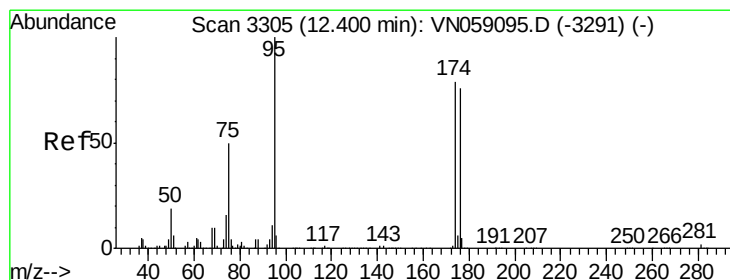
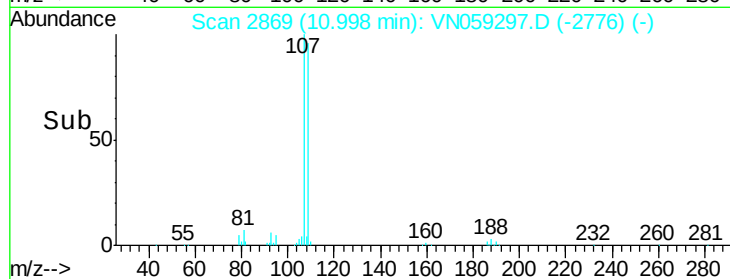
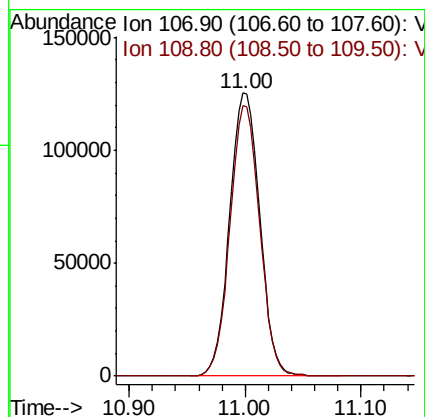
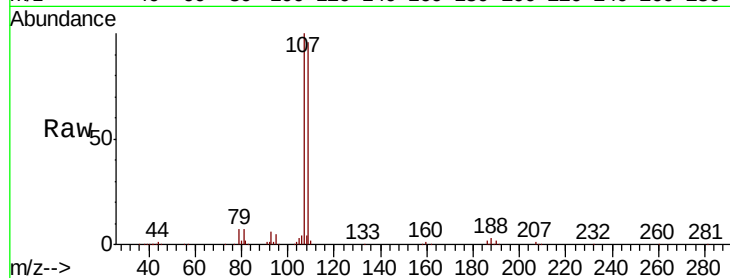
ClientSampled :

Tot Ion:107 Resp: 225447

Ion Ratio Lower Upper

107 100

109 94.4 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 44.366 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

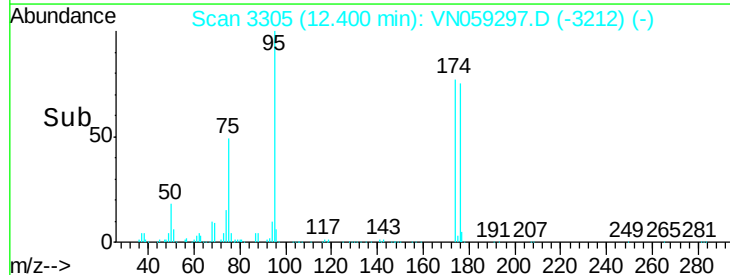
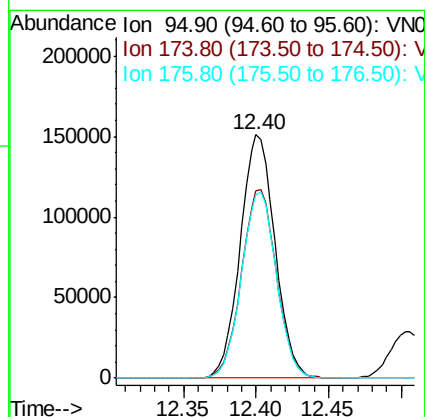
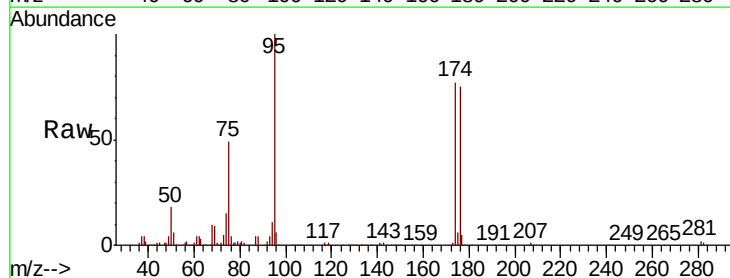
Tgt Ion: 95 Resp: 251910

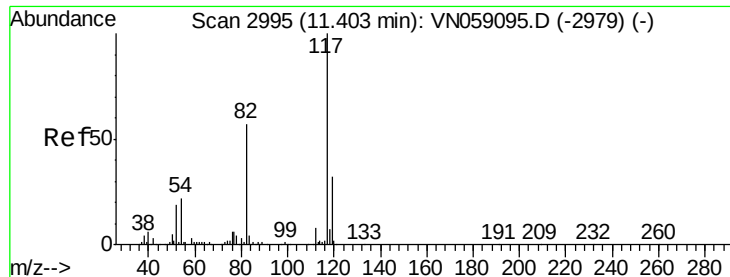
Ion Ratio Lower Upper

95 100

174 77.9 0.0 158.2

176 76.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

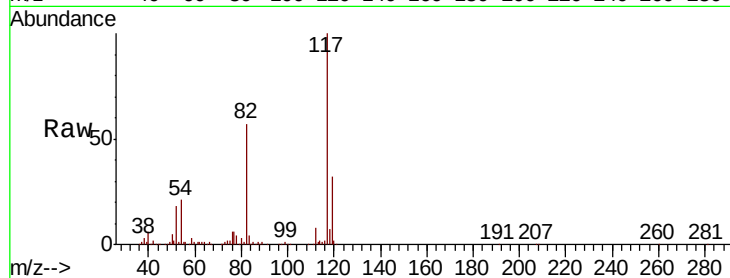
Tot Ion:117 Resp: 598419

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.8

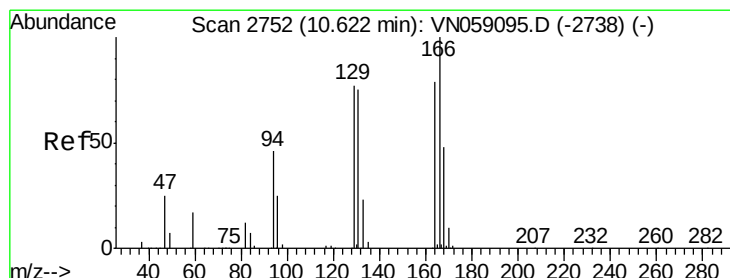
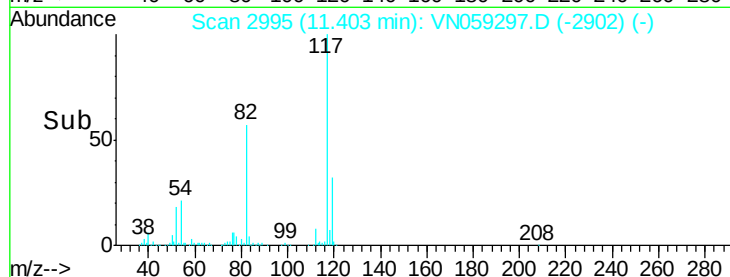
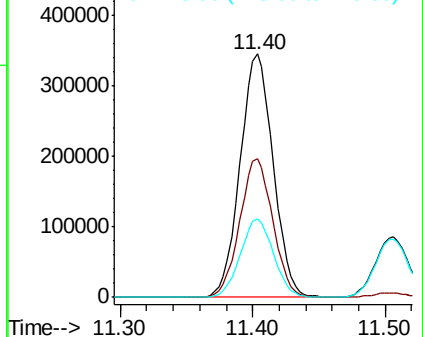
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.427 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion:164 Resp: 201125

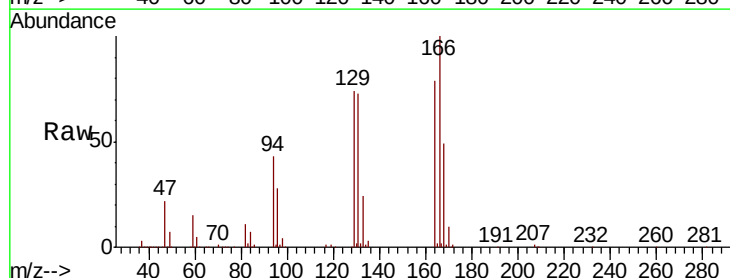
Ion Ratio Lower Upper

164 100

166 127.3 101.5 152.3

129 94.4 78.3 117.5

131 92.5 75.9 113.9

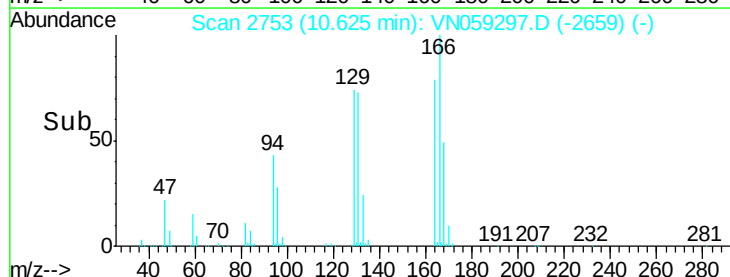
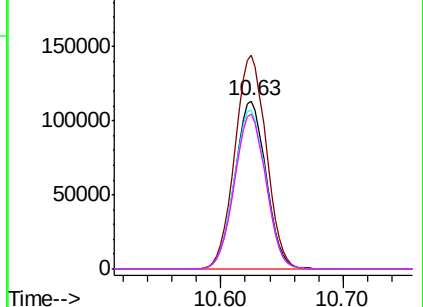


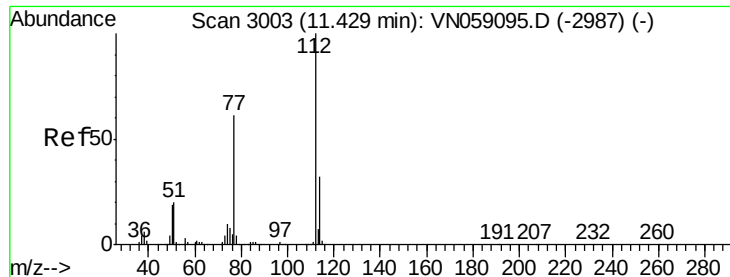
Abundance Ion 163.80 (163.50 to 164.50): V

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

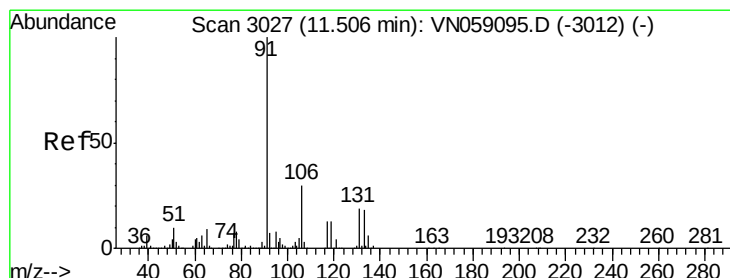
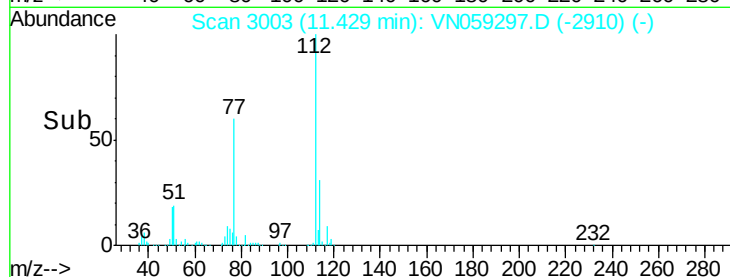
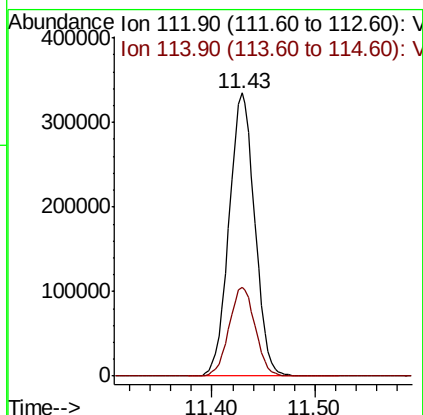
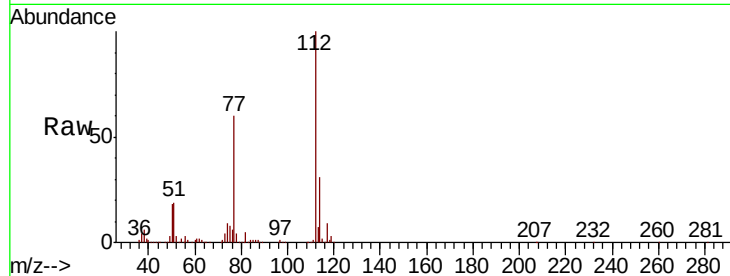




#65
Chlorobenzene
Concen: 49.853 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

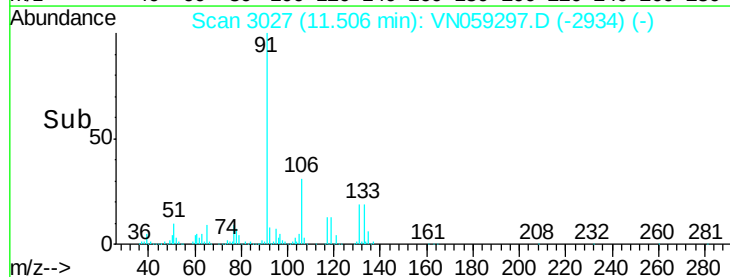
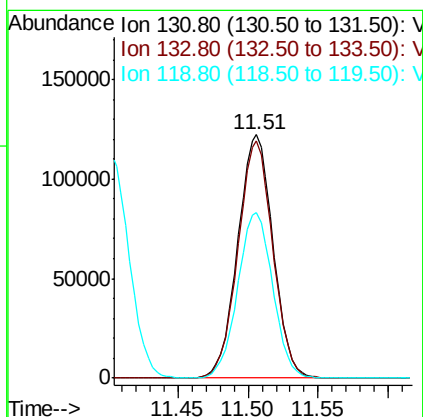
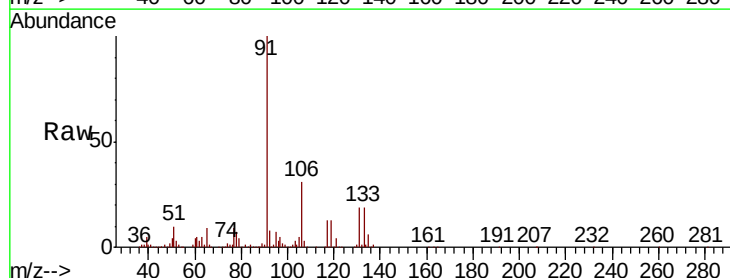
Instrument :
MSVOA_N
ClientSampleId :

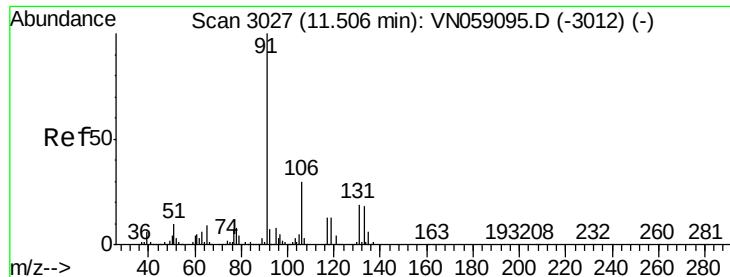
Tot Ion:112 Resp: 581564
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.855 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion:131 Resp: 213789
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.3
119 67.8 33.2 99.6





#67

Ethyl Benzene

Concen: 51.692 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

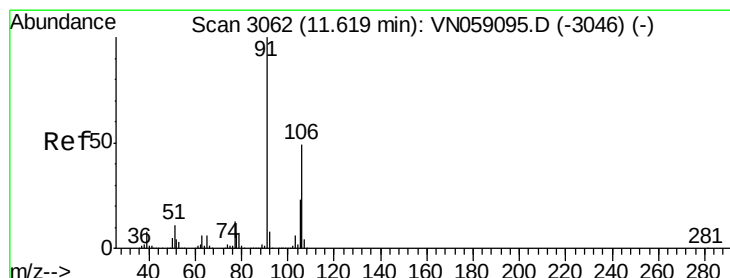
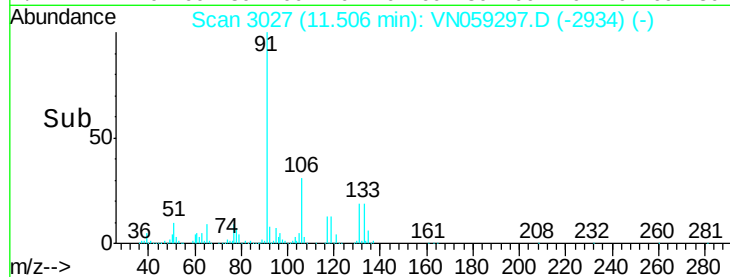
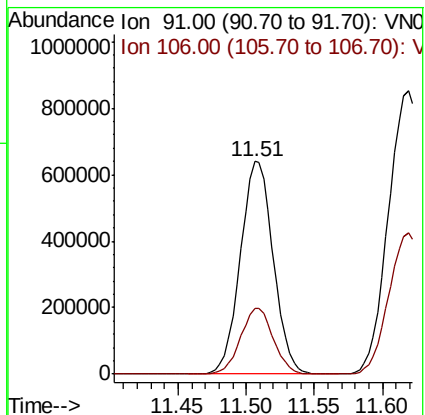
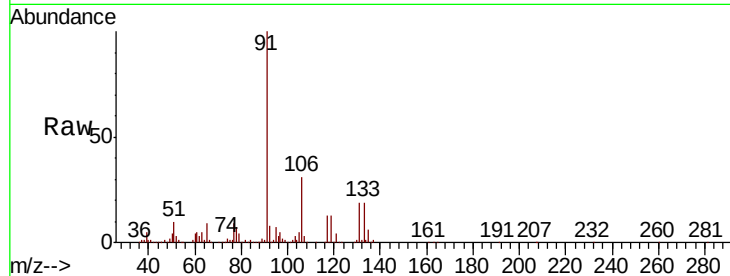
ClientSampled :

Tot Ion: 91 Resp: 1069875

Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



#68

m/p-Xylenes

Concen: 104.105 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059297.D

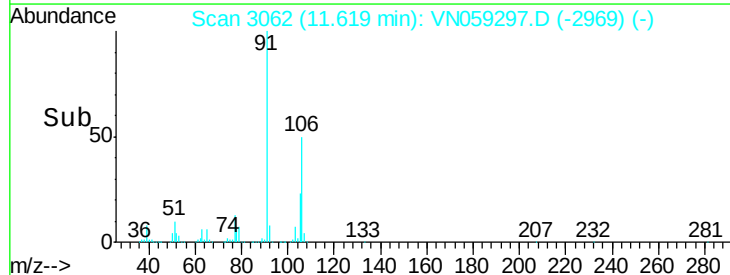
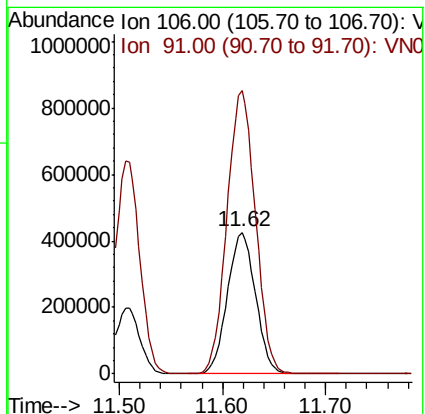
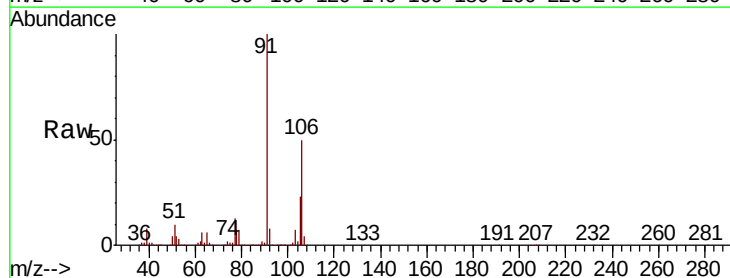
Acq: 19 Nov 2019 10:35

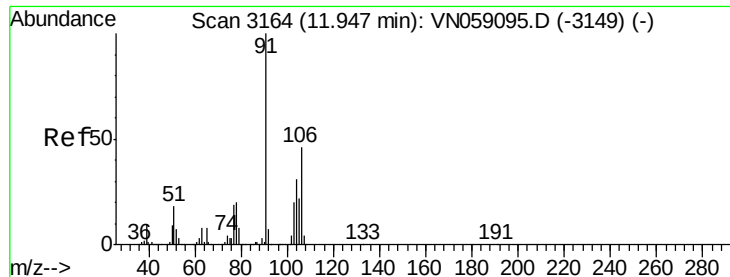
Tgt Ion: 106 Resp: 807124

Ion Ratio Lower Upper

106 100

91 202.9 164.7 247.1





#69

o-Xylene

Concen: 50.938 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

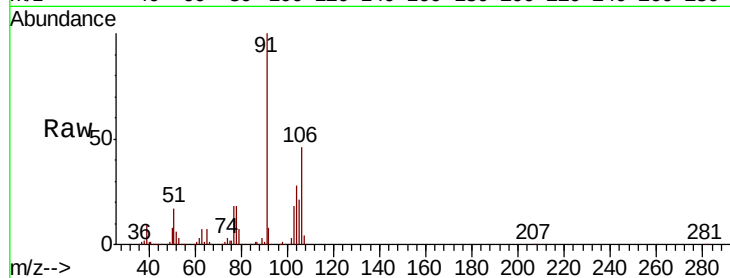
ClientSampled :

Tot Ion:106 Resp: 381652

Ion Ratio Lower Upper

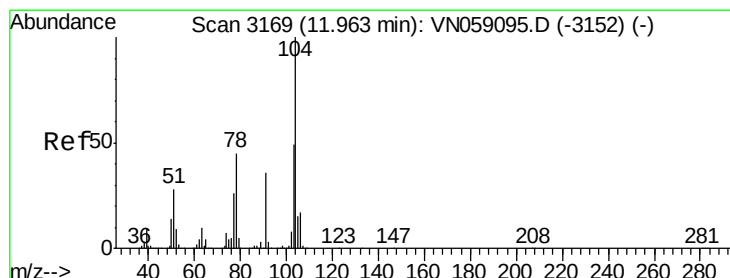
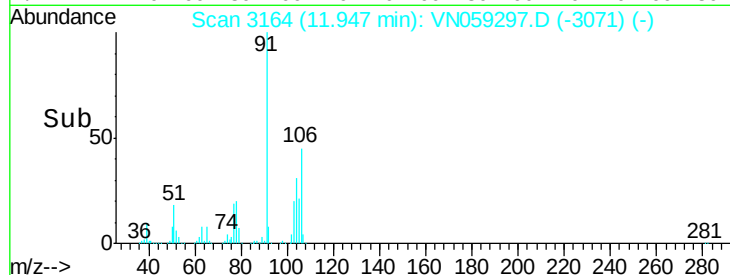
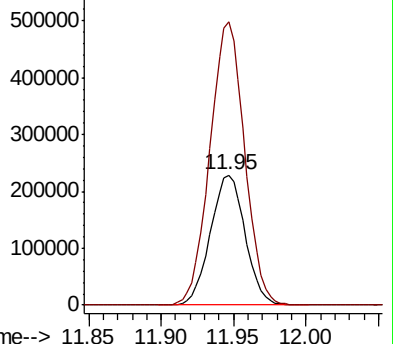
106 100

91 216.8 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 53.281 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

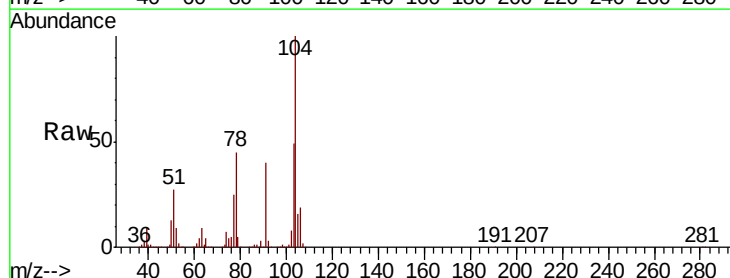
Tgt Ion:104 Resp: 627842

Ion Ratio Lower Upper

104 100

78 50.6 41.2 61.8

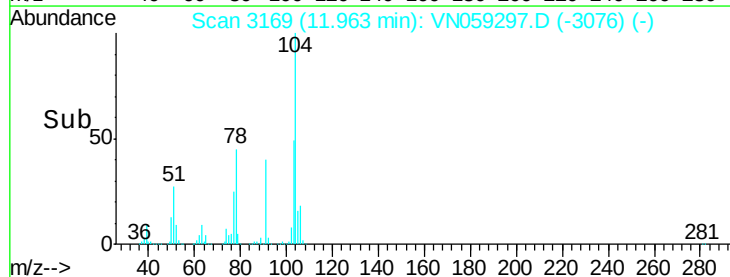
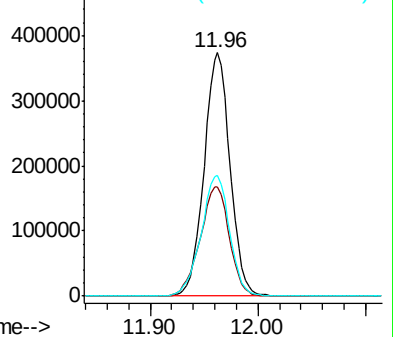
103 54.4 43.8 65.6

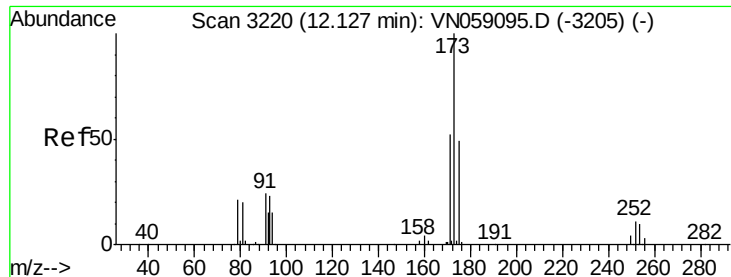


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.686 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

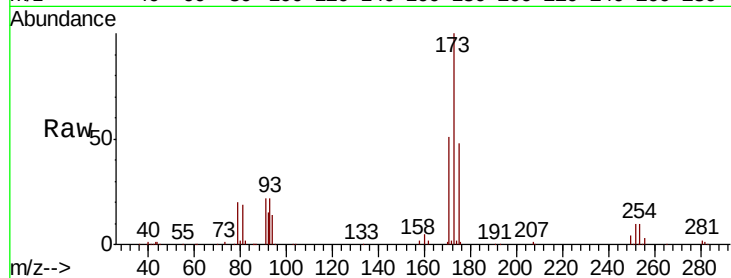
Tot Ion:173 Resp: 165718

Ion Ratio Lower Upper

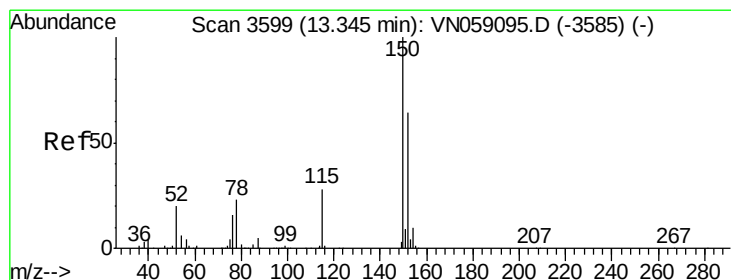
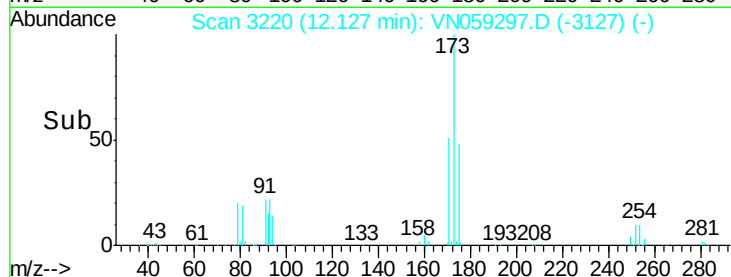
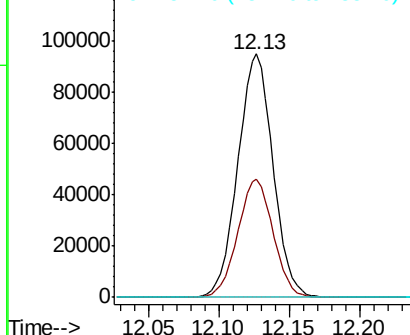
173 100

175 48.7 24.2 72.6

254 0.0 0.1 0.1#



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: VN059297.D

Acq: 19 Nov 2019 10:35

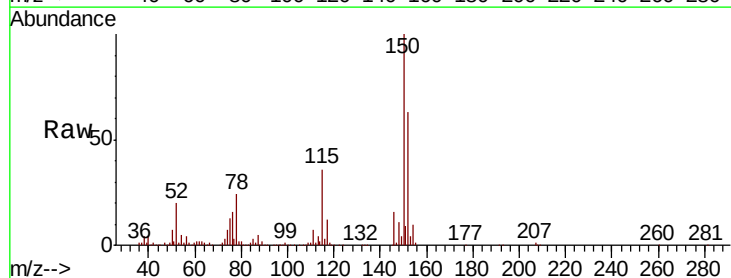
Tgt Ion:152 Resp: 290997

Ion Ratio Lower Upper

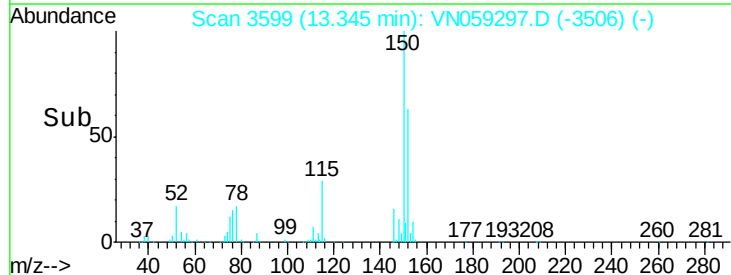
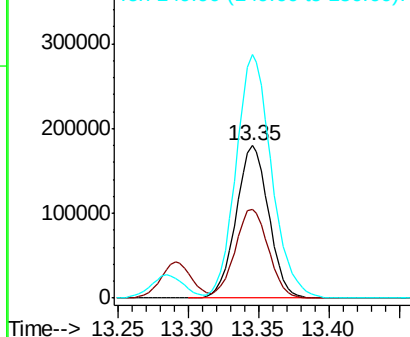
152 100

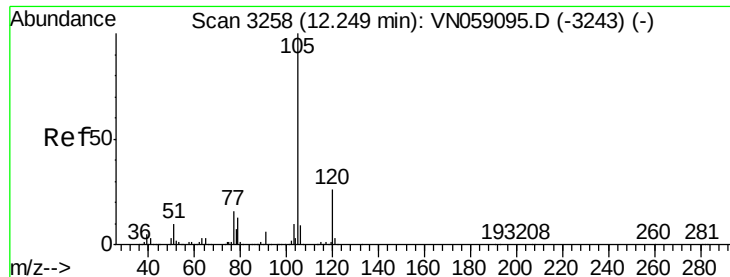
115 59.2 29.4 88.2

150 174.4 0.0 345.8



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: 48.495 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

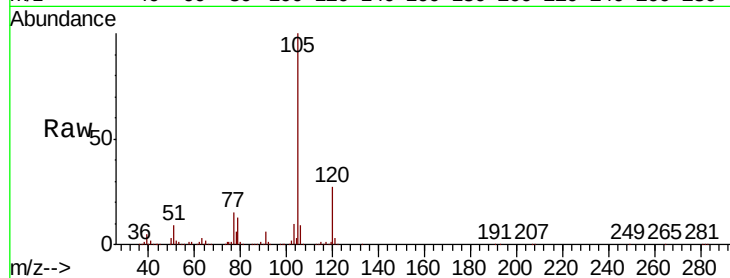
ClientSampleId :

Tot Ion:105 Resp: 1026511

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

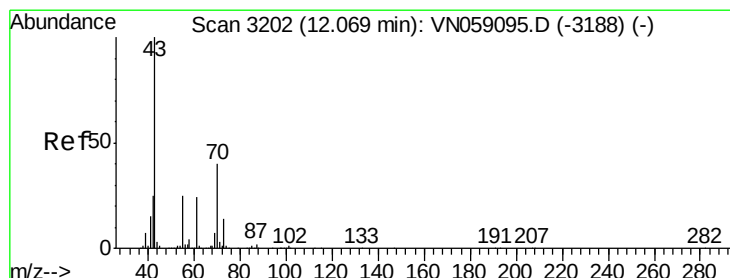
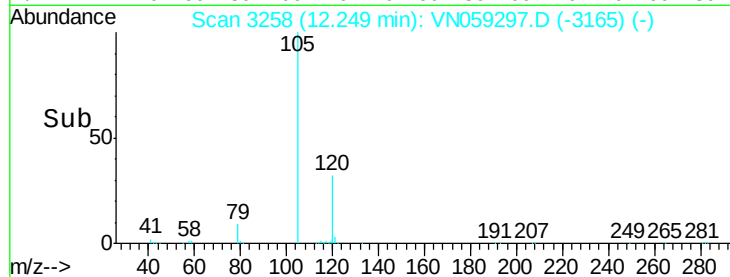
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 46.142 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion: 43 Resp: 413864

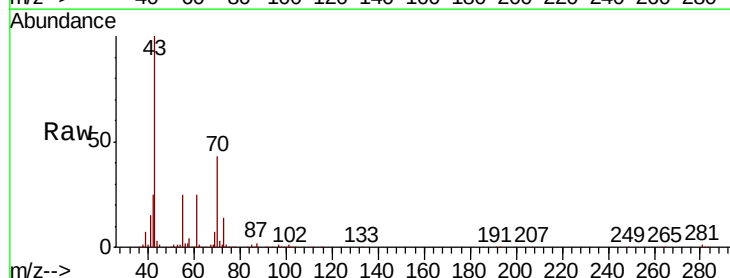
Ion Ratio Lower Upper

43 100

70 42.9 32.2 48.4

55 25.6 20.4 30.6

61 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

300000

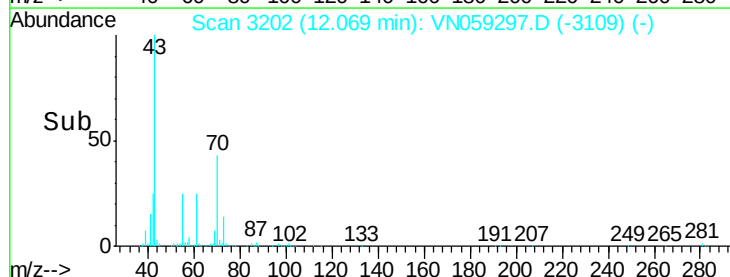
200000

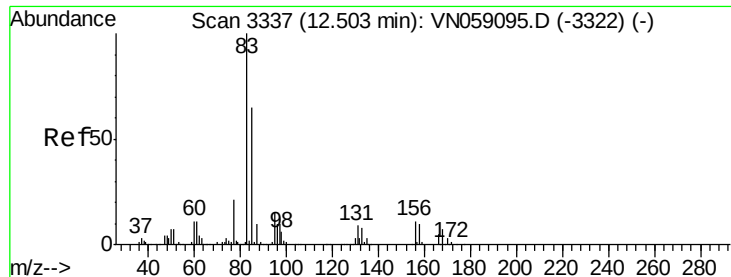
100000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 44.985 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

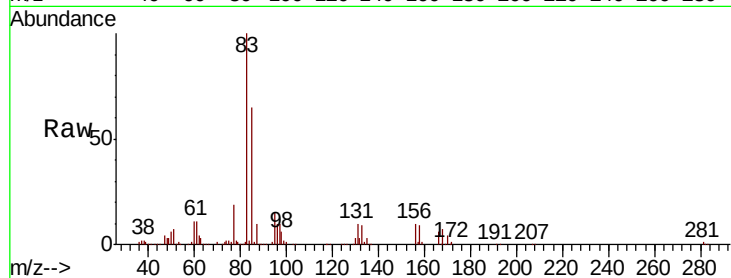
Tot Ion: 83 Resp: 324269

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

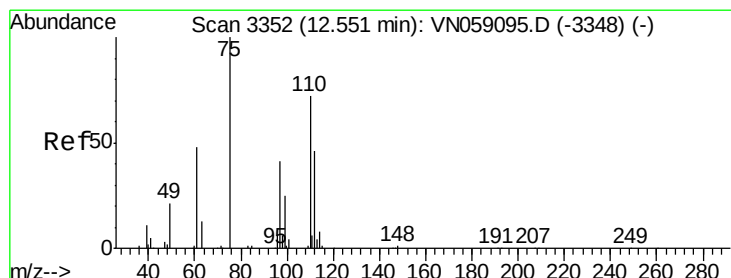
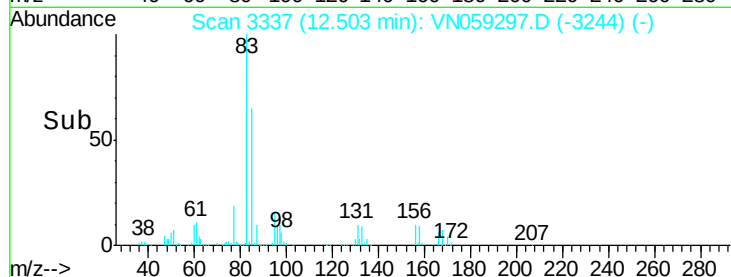
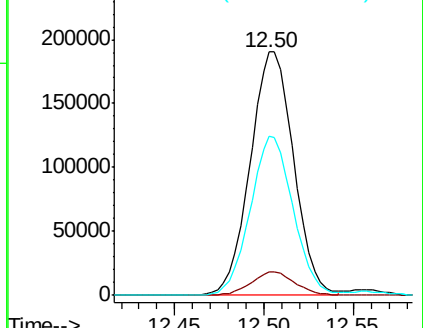
85 64.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059297.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059297.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059297.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 65.175 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059297.D

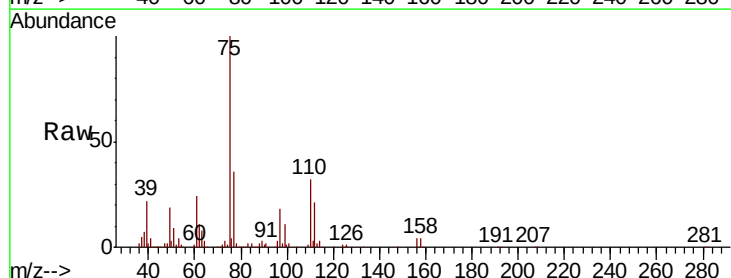
Acq: 19 Nov 2019 10:35

Tgt Ion: 75 Resp: 431789

Ion Ratio Lower Upper

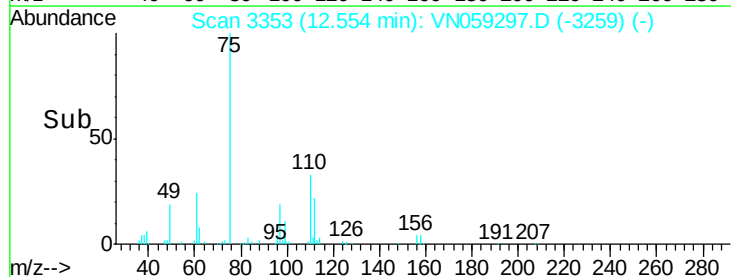
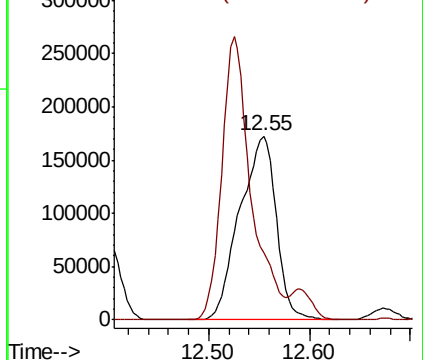
75 100

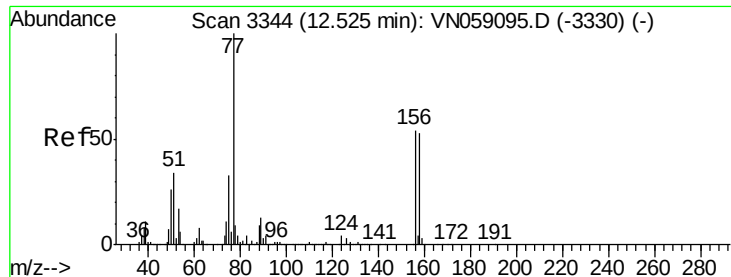
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059297.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059297.D (-3259) (-)





#77

Bromobenzene

Concen: 46.037 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

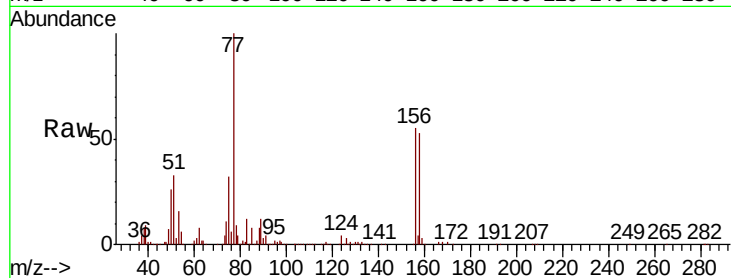
Tot Ion:156 Resp: 244829

Ion Ratio Lower Upper

156 100

77 221.4 112.8 338.3

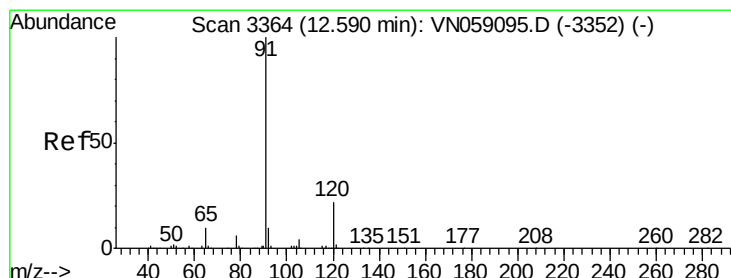
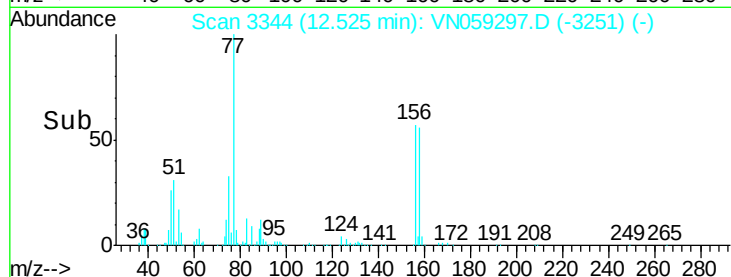
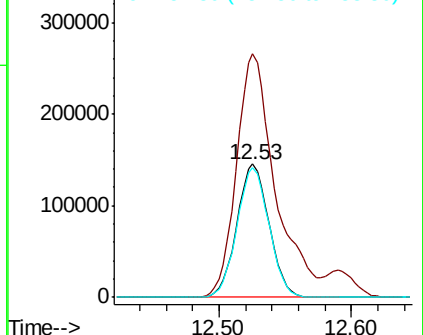
158 97.3 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.621 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059297.D

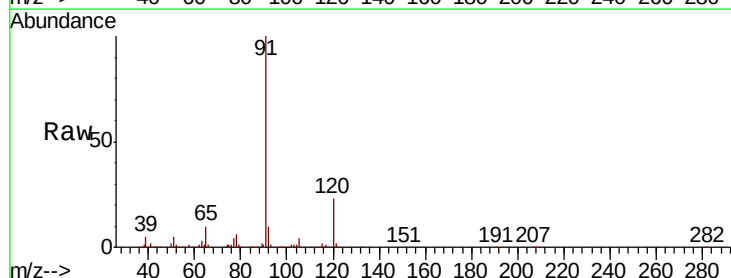
Acq: 19 Nov 2019 10:35

Tgt Ion: 91 Resp: 1202631

Ion Ratio Lower Upper

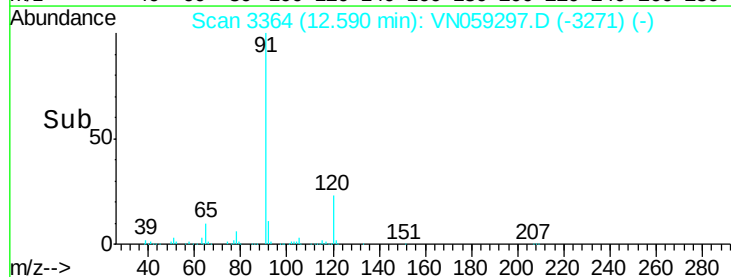
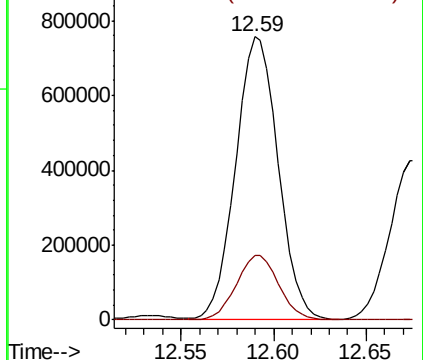
91 100

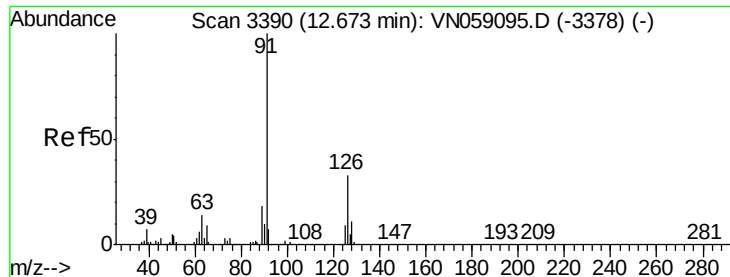
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.089 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

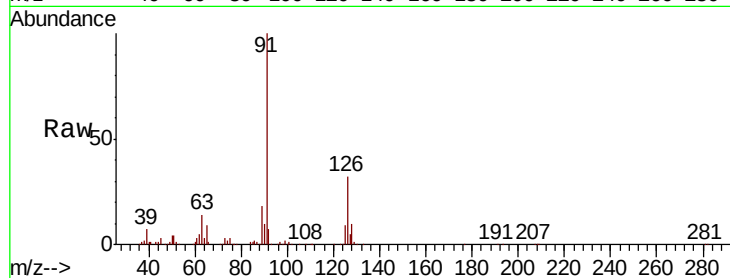
ClientSampleId :

Tot Ion: 91 Resp: 707995

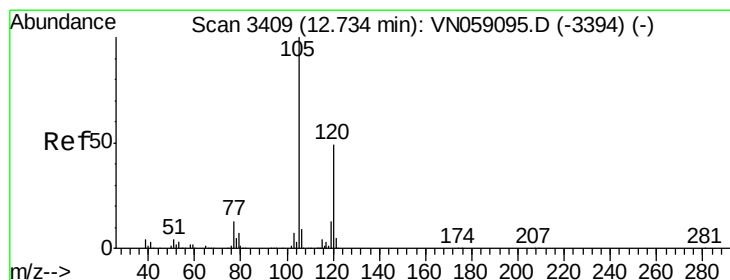
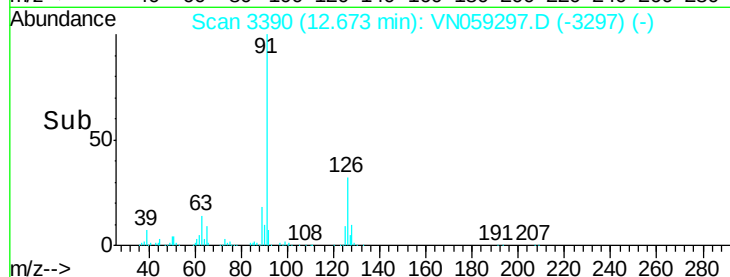
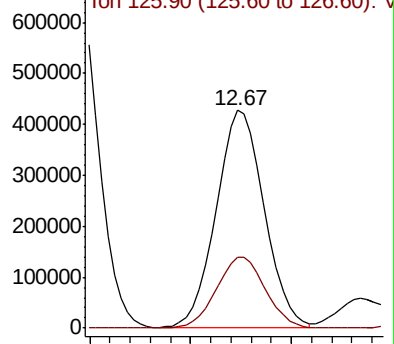
Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.489 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059297.D

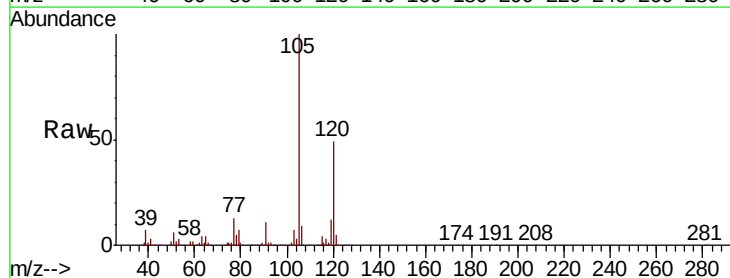
Acq: 19 Nov 2019 10:35

Tgt Ion: 105 Resp: 869704

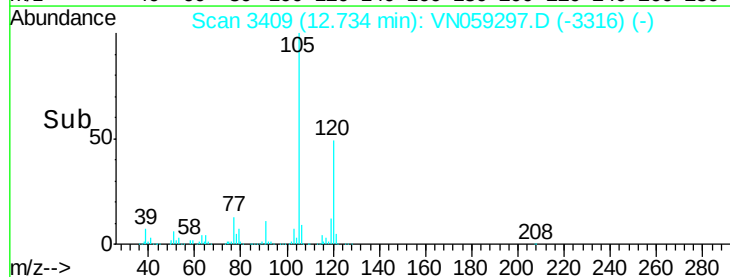
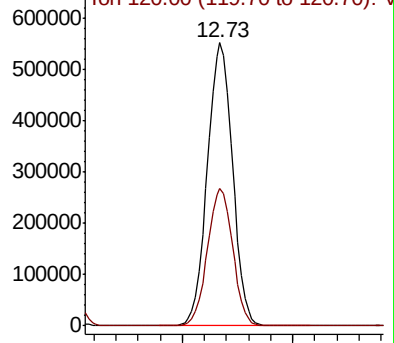
Ion Ratio Lower Upper

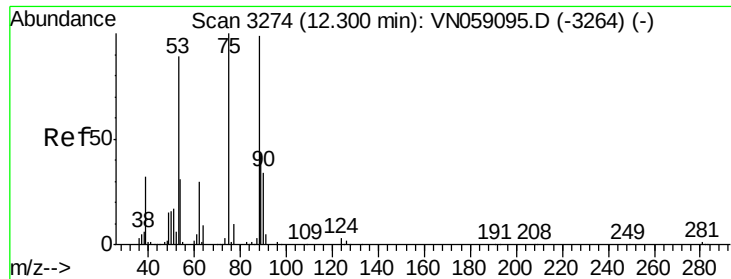
105 100

120 48.9 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

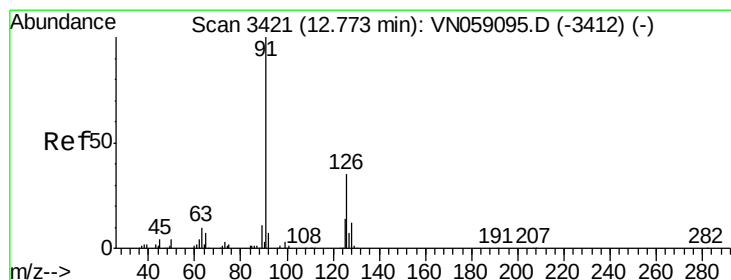
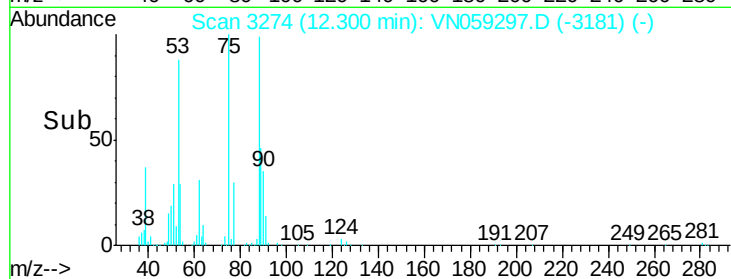
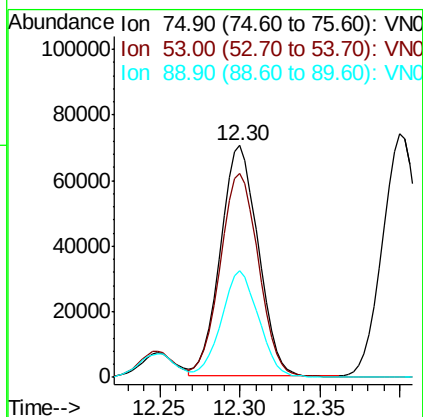
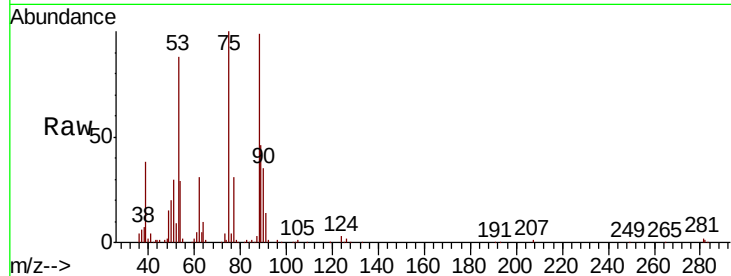




#81
trans-1,4-Dichloro-2-butene
Concen: 45.427 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

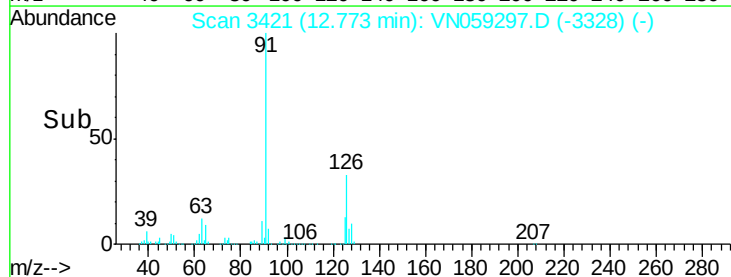
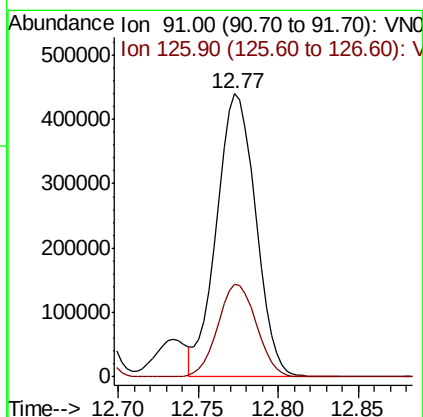
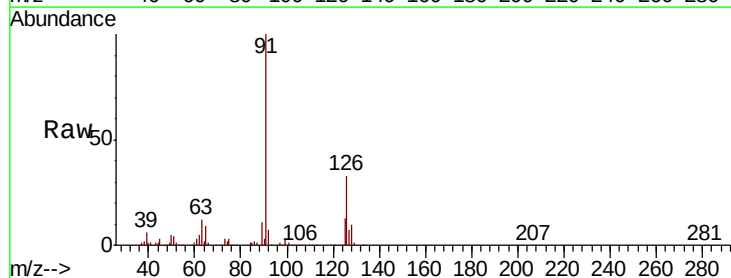
Instrument :
MSVOA_N
ClientSampleId :

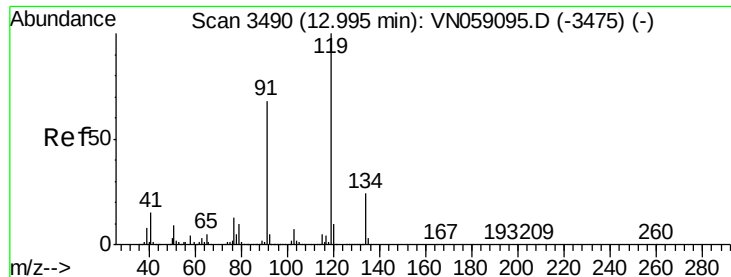
Tot Ion: 75 Resp: 113943
Ion Ratio Lower Upper
75 100
53 90.3 72.2 108.2
89 45.7 35.8 53.8



#82
4-Chlorotoluene
Concen: 48.723 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 91 Resp: 734741
Ion Ratio Lower Upper
91 100
126 32.3 16.1 48.2

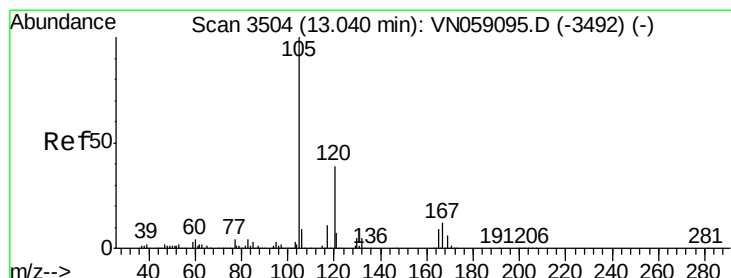
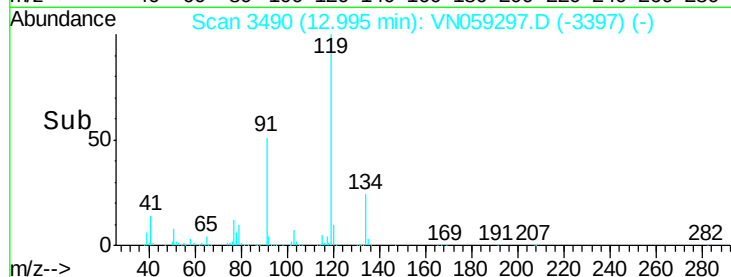
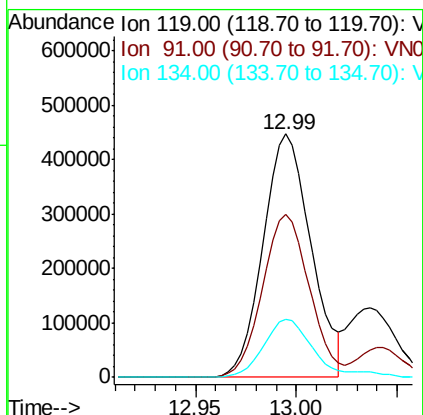
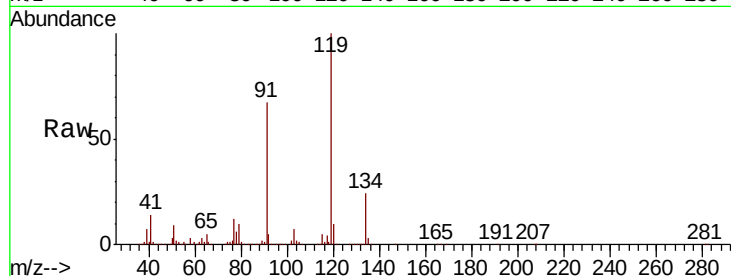




#83
 tert-Butylbenzene
 Concen: 47.788 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

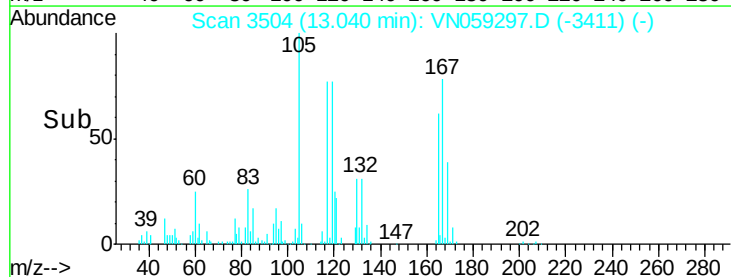
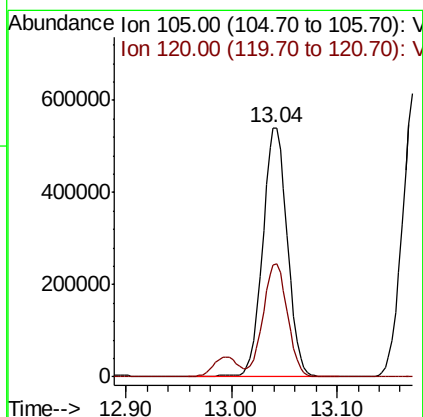
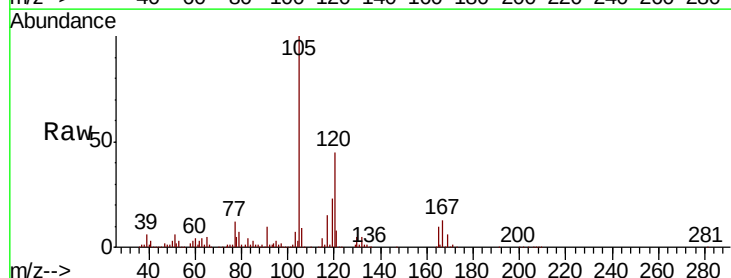
Instrument :
 MSVOA_N
 ClientSampled :

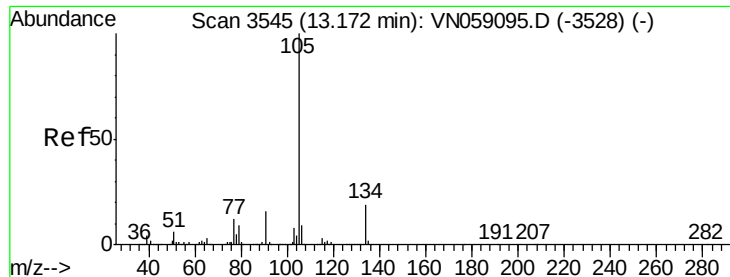
Tot Ion:119 Resp: 740202
 Ion Ratio Lower Upper
 119 100
 91 65.5 33.2 99.6
 134 25.3 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.596 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion:105 Resp: 878005
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 49.980 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

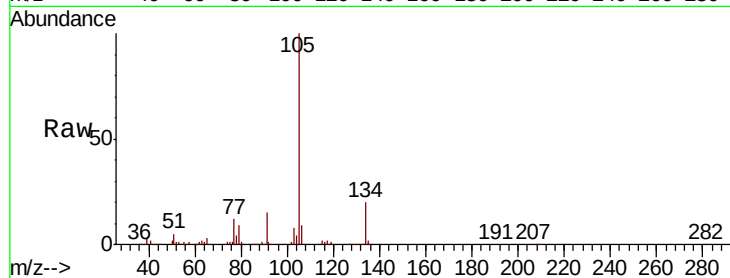
ClientSampled :

Tot Ion:105 Resp: 1006812

Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

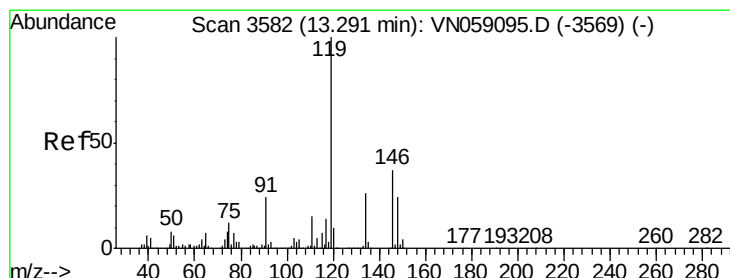
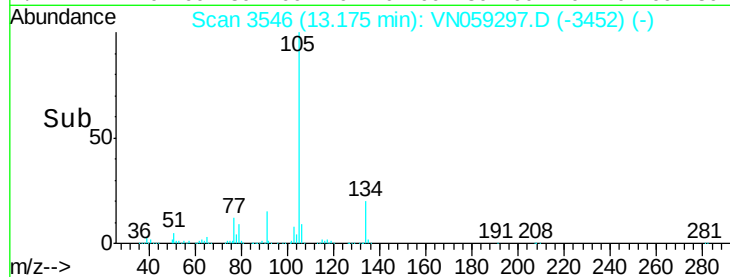
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.329 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

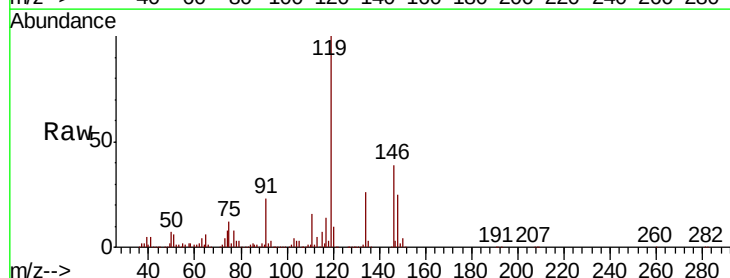
Tgt Ion:119 Resp: 912986

Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 23.0 11.7 35.1



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

800000

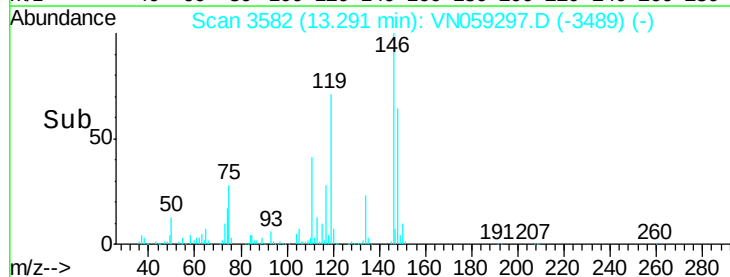
600000

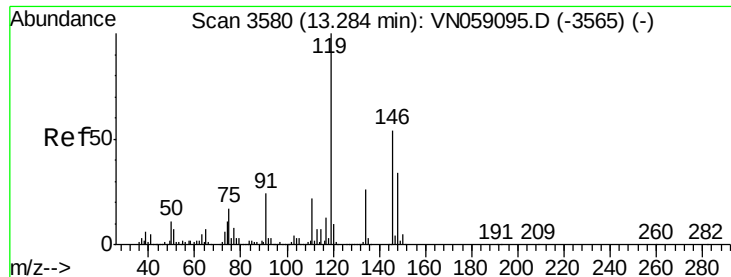
400000

200000

0

Time-->

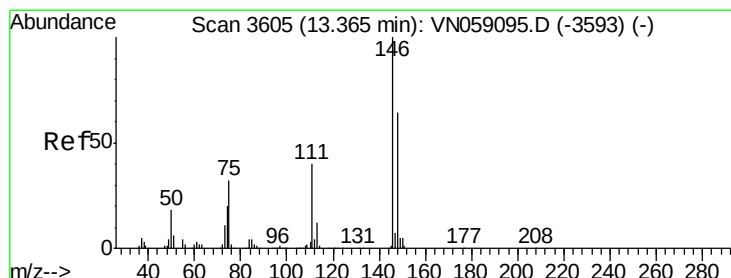
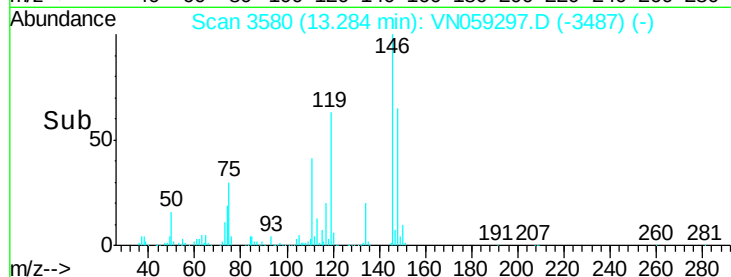
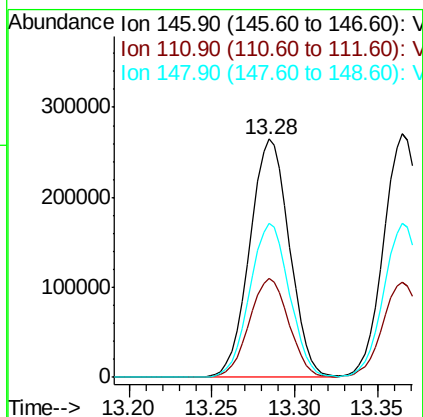
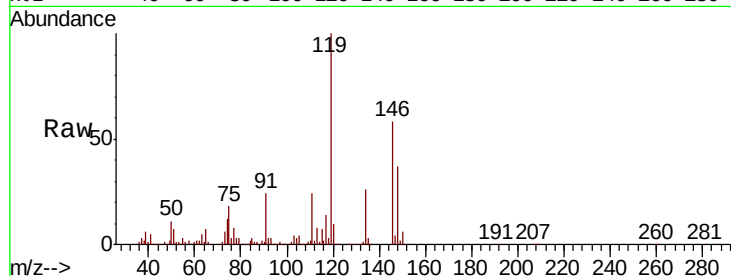




#87
 1,3-Dichlorobenzene
 Concen: 48.458 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

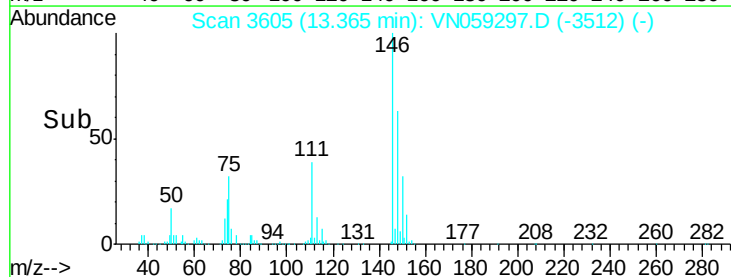
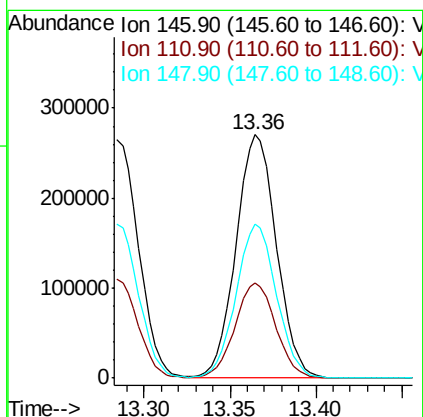
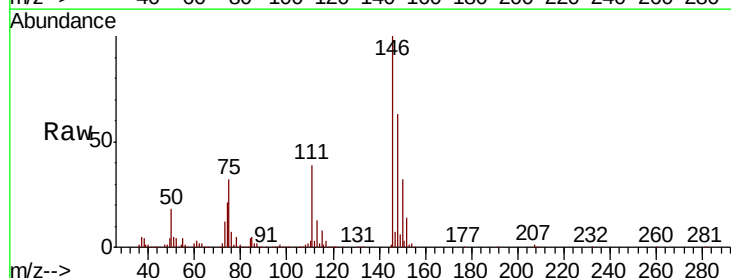
Instrument :
 MSVOA_N
 ClientSampleId :

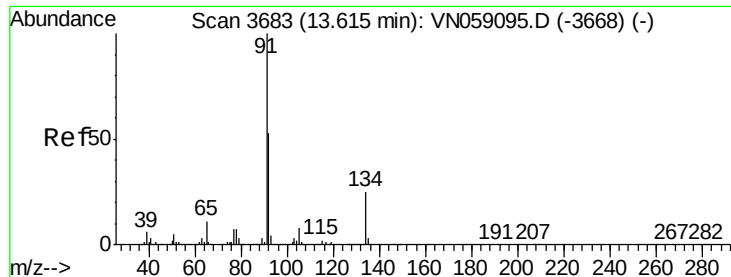
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	64.5	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.110 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.9
148	63.7	31.9	95.7

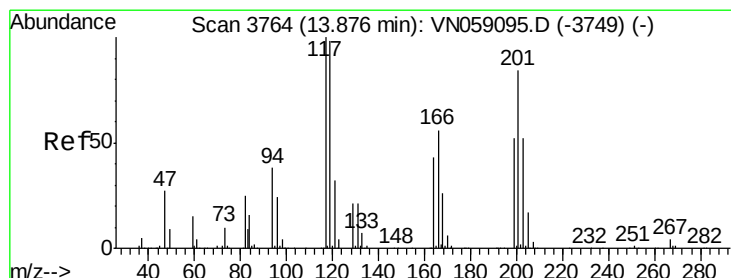
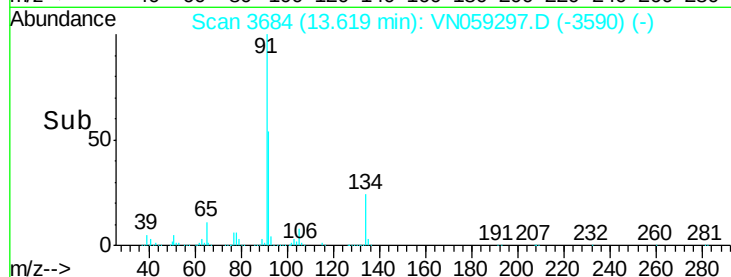
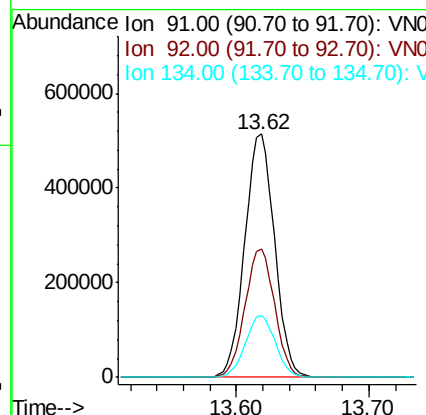
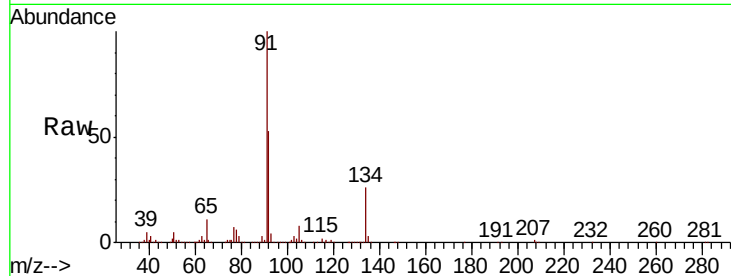




#89
n-Butylbenzene
Concen: 51.467 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

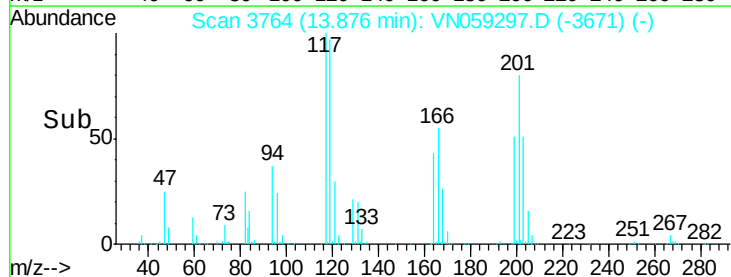
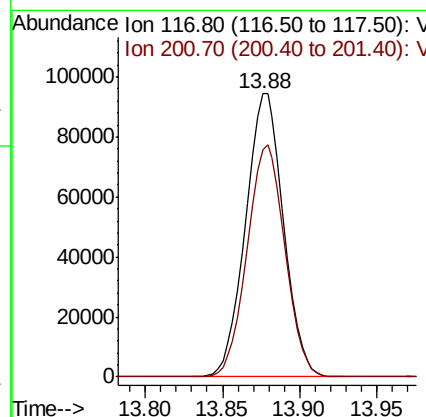
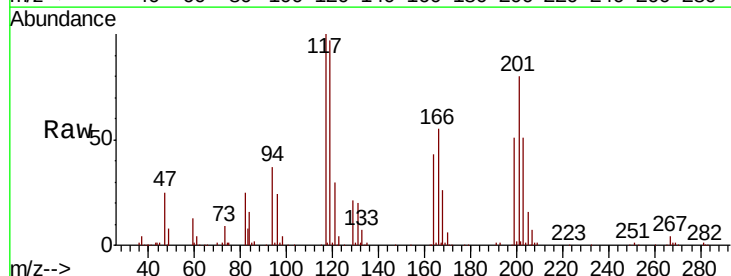
Instrument :
MSVOA_N
ClientSampled :

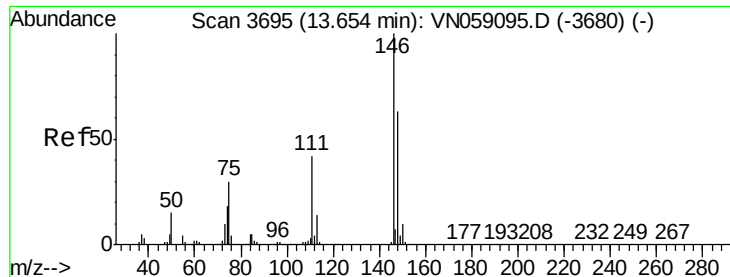
Tot Ion: 91 Resp: 801232
Ion Ratio Lower Upper
91 100
92 52.7 26.1 78.3
134 25.6 12.6 37.8



#90
Hexachloroethane
Concen: 45.101 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 117 Resp: 161084
Ion Ratio Lower Upper
117 100
201 81.5 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 47.979 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

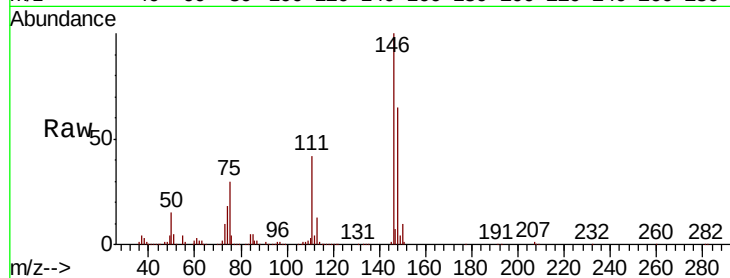
Tot Ion:146 Resp: 429816

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

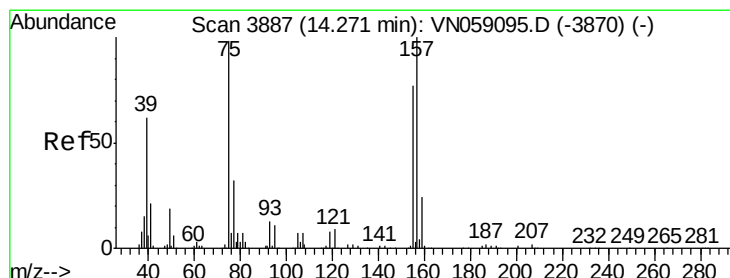
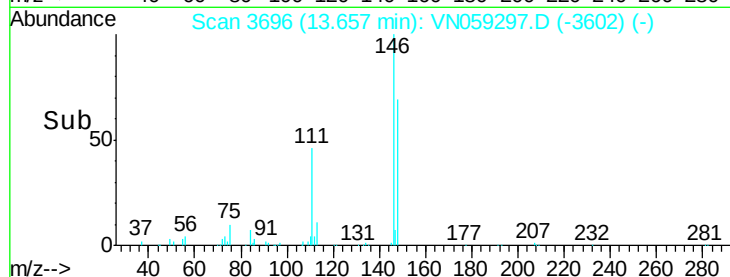
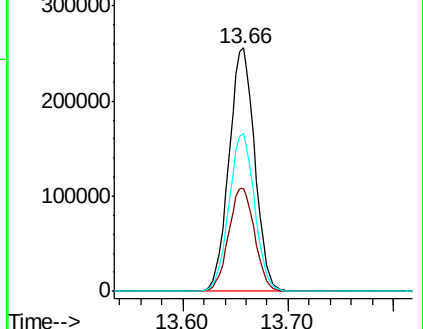
148 64.7 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.783 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

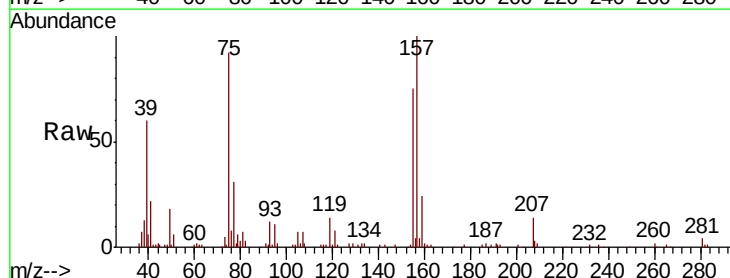
Tgt Ion: 75 Resp: 65839

Ion Ratio Lower Upper

75 100

155 80.5 40.2 120.6

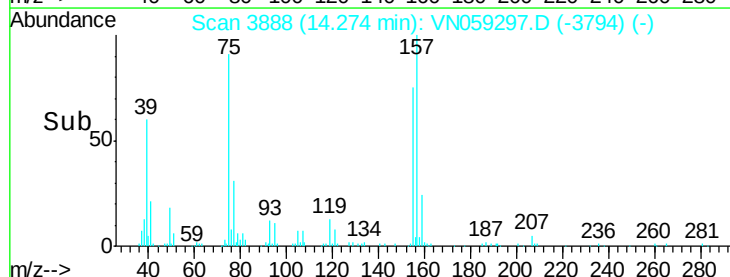
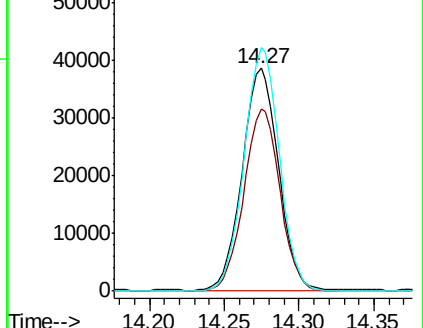
157 105.2 51.8 155.5

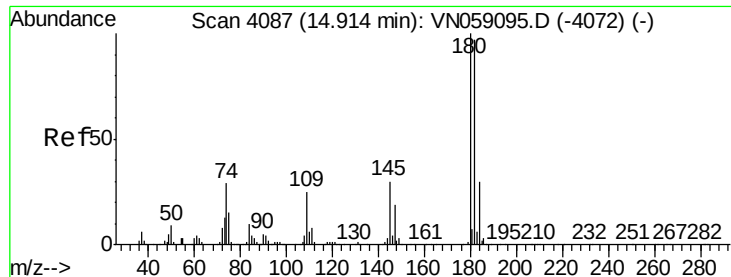


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

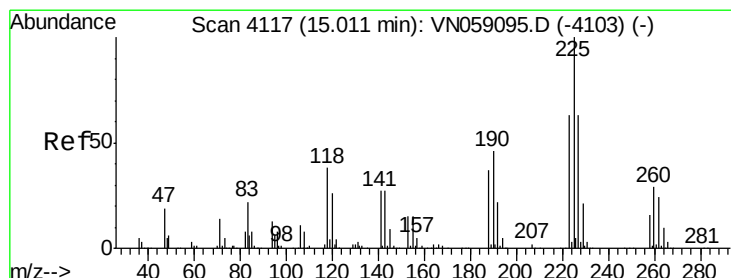
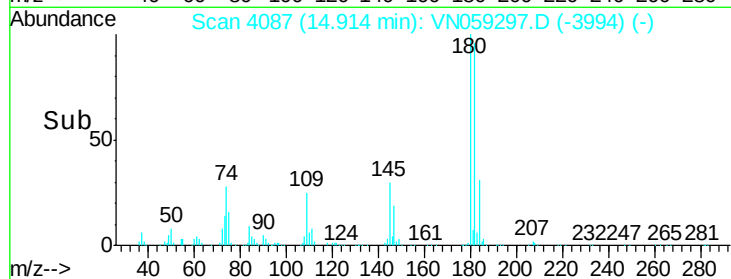
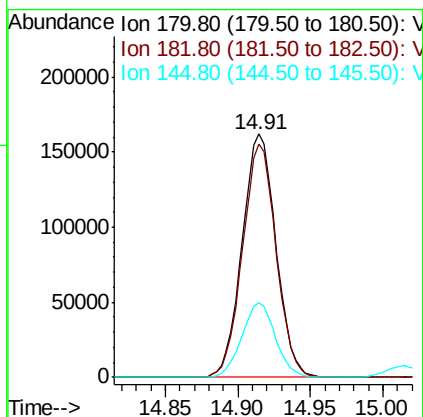
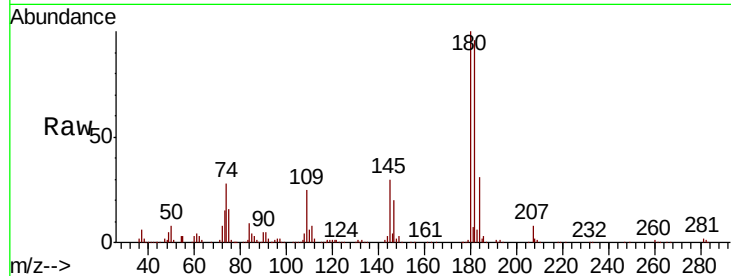




#93
 1,2,4-Trichlorobenzene
 Concen: 48.461 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

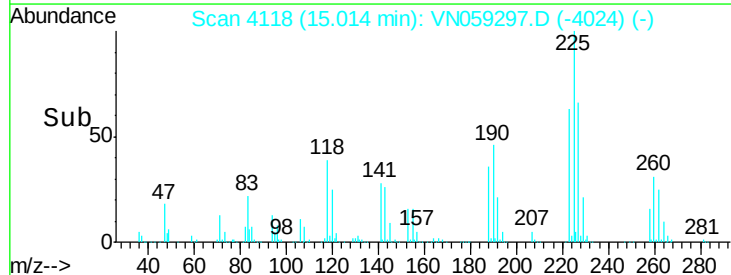
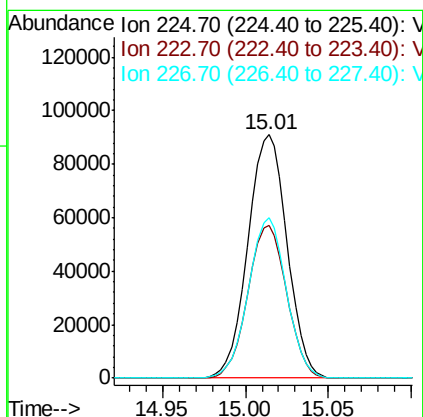
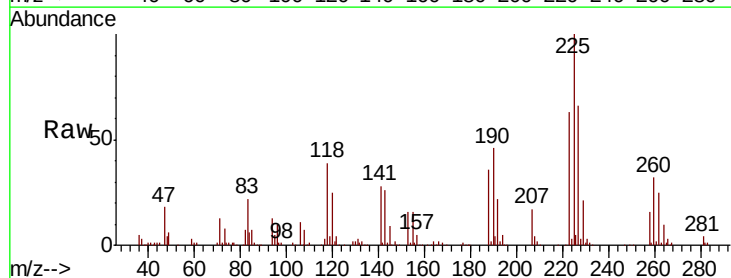
Instrument :
 MSVOA_N
 ClientSampled :

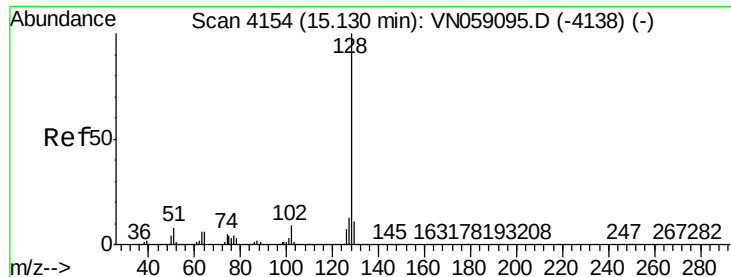
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.3
145	30.5	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 48.294 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.9
227	63.9	31.5	94.5

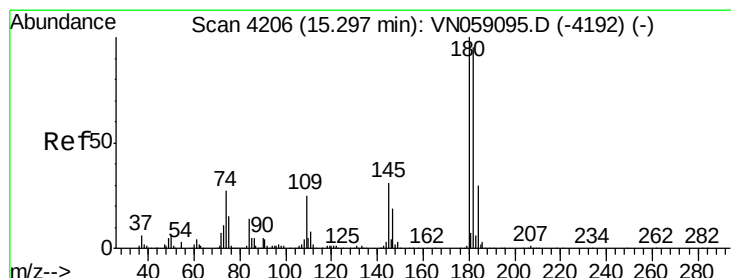
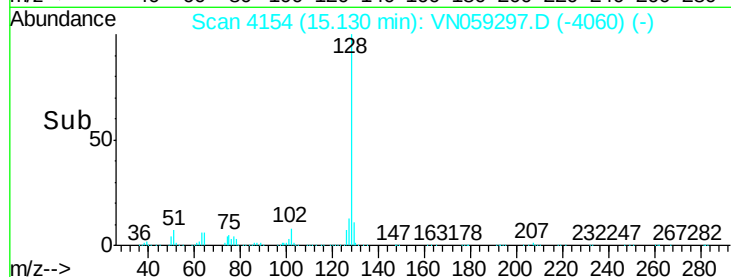
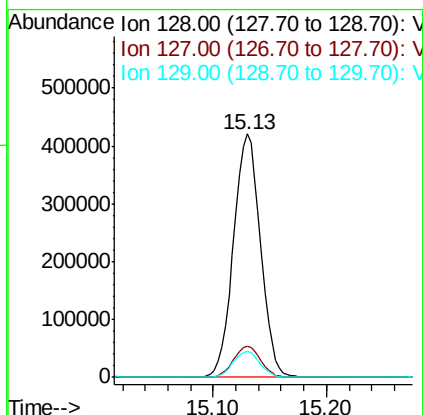
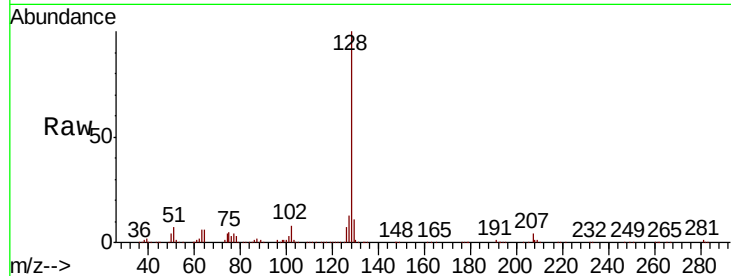




#95
Naphthalene
Concen: 46.574 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 698966
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.293 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion:180 Resp: 262535
Ion Ratio Lower Upper
180 100
182 95.8 47.3 141.8
145 31.9 15.8 47.3

