

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120519\
 Data File : VN059502.D
 Acq On : 5 Dec 2019 16:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 06 00:34:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	342336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	545745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	495080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	218686	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.56	113	166841	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	10.08	98	652675	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	232660	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	152969	40.155	ug/l	100
3) Chloromethane	2.04	50	209422	41.016	ug/l	98
4) Vinyl Chloride	2.17	62	200635	65.484	ug/l	100
5) Bromomethane	2.54	94	81191	43.606	ug/l	99
6) Chloroethane	2.68	64	68805	38.038	ug/l	99
7) Trichlorofluoromethane	3.00	101	156456	42.282	ug/l	97
8) Diethyl Ether	3.38	74	94474	39.186	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	149908	41.270	ug/l	99
10) Methyl Iodide	3.92	142	191572	41.651	ug/l	99
11) Tert butyl alcohol	4.77	59	153358	191.368	ug/l	100
12) 1,1-Dichloroethene	3.71	96	141654	39.894	ug/l	98
13) Acrolein	3.58	56	149206	214.533	ug/l	98
14) Allyl chloride	4.29	41	284385	40.664	ug/l	96
15) Acrylonitrile	4.95	53	433288	199.854	ug/l	99
16) Acetone	3.80	43	450435	188.384	ug/l	98
17) Carbon Disulfide	4.02	76	464892	38.372	ug/l	100
18) Methyl Acetate	4.30	43	229352	40.062	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	519165	42.900	ug/l	99
20) Methylene Chloride	4.52	84	170715	42.437	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	164067	41.296	ug/l	98
22) Diisopropyl ether	5.92	45	572537	43.984	ug/l	97
23) Vinyl Acetate	5.86	43	2421320	231.816	ug/l	99
24) 1,1-Dichloroethane	5.81	63	316592	42.814	ug/l	98
25) 2-Butanone	6.81	43	613821	189.896	ug/l	99
26) 2,2-Dichloropropane	6.80	77	273267	42.727	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	186012	42.156	ug/l	99
28) Bromochloromethane	7.17	49	140154	48.699	ug/l	96
29) Tetrahydrofuran	7.18	42	403908	198.723	ug/l	99
30) Chloroform	7.35	83	307906	43.126	ug/l	97
31) Cyclohexane	7.63	56	293709	40.993	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	264707	42.657	ug/l	98
36) 1,1-Dichloropropene	7.77	75	236600	41.661	ug/l	100
37) Ethyl Acetate	6.90	43	254504	40.120	ug/l	99
38) Carbon Tetrachloride	7.75	117	232202	42.510	ug/l	98

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Quant Time: Dec 06 00:34:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	283555	41.489	ug/l	97
40) Benzene	8.02	78	696032	41.853	ug/l	98
41) Methacrylonitrile	7.15	41	112714	43.841	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	252717	44.735	ug/l	98
43) Isopropyl Acetate	8.14	43	404647	42.887	ug/l	99
44) Trichloroethene	8.82	130	177296	40.795	ug/l	96
45) 1,2-Dichloropropane	9.10	63	190708	42.922	ug/l	99
46) Dibromomethane	9.19	93	118612	42.878	ug/l	98
47) Bromodichloromethane	9.39	83	242879	43.789	ug/l	100
48) Methyl methacrylate	9.18	41	181947	42.744	ug/l	96
49) 1,4-Dioxane	9.19	88	53425	829.442	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1216254	217.167	ug/l	98
52) Toluene	10.14	92	423289	42.084	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	280279	42.944	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	301055	43.519	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	166582	42.013	ug/l	99
56) Ethyl methacrylate	10.42	69	256196	40.204	ug/l	96
57) 1,3-Dichloropropane	10.70	76	293379	42.787	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	396714	185.559	ug/l	100
59) 2-Hexanone	10.74	43	896247	212.642	ug/l	97
60) Dibromochloromethane	10.90	129	184145	43.496	ug/l	99
61) 1,2-Dibromoethane	11.00	107	174075	42.488	ug/l	99
64) Tetrachloroethene	10.62	164	160649	38.148	ug/l	98
65) Chlorobenzene	11.43	112	444798	41.097	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	167812	43.151	ug/l	99
67) Ethyl Benzene	11.51	91	817417	43.107	ug/l	100
68) m/p-Xylenes	11.62	106	602057	85.268	ug/l	97
69) o-Xylene	11.94	106	287846	42.821	ug/l	100
70) Styrene	11.96	104	466631	43.485	ug/l	99
71) Bromoform	12.12	173	129447	42.703	ug/l #	100
73) Isopropylbenzene	12.25	105	769051	41.442	ug/l	100
74) N-amyl acetate	12.07	43	316831	42.387	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	248254	41.705	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	336016	58.402	ug/l #	100
77) Bromobenzene	12.52	156	184130	39.706	ug/l	97
78) n-propylbenzene	12.59	91	923112	42.745	ug/l	99
79) 2-Chlorotoluene	12.67	91	537563	41.293	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	650982	41.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	90780	41.408	ug/l	97
82) 4-Chlorotoluene	12.77	91	552455	41.131	ug/l	100
83) tert-Butylbenzene	12.99	119	549553	40.817	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	644214	42.506	ug/l	100
85) sec-Butylbenzene	13.17	105	754034	42.256	ug/l	100
86) p-Isopropyltoluene	13.29	119	683408	42.738	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	331660	40.564	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	323522	39.234	ug/l	99
89) n-Butylbenzene	13.62	91	583912	40.757	ug/l	100
90) Hexachloroethane	13.88	117	127667	41.395	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	317640	40.525	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48435	39.428	ug/l	95

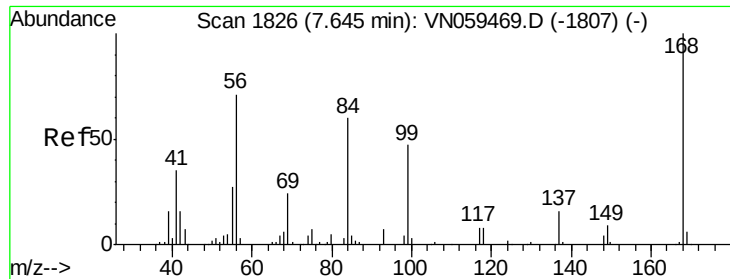
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Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	179266	37.464	ug/l	100
94) Hexachlorobutadiene	15.01	225	114307	42.009	ug/l	98
95) Naphthalene	15.13	128	455524	35.304	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	178098	37.560	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: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

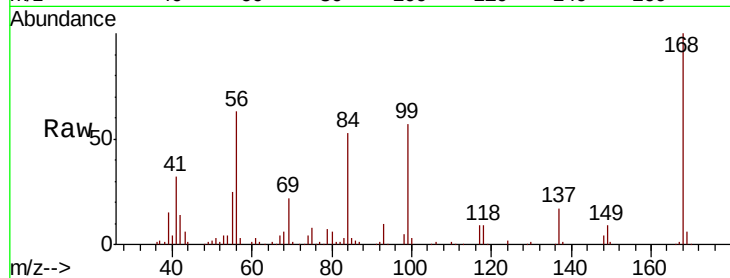
VSTDCCC050EC

Tot Ion:168 Resp: 342336

Ion Ratio Lower Upper

168 100

99 57.1 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

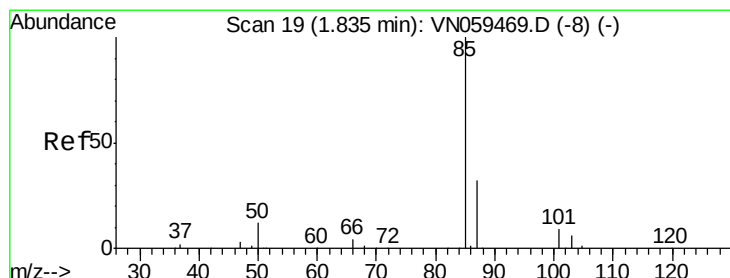
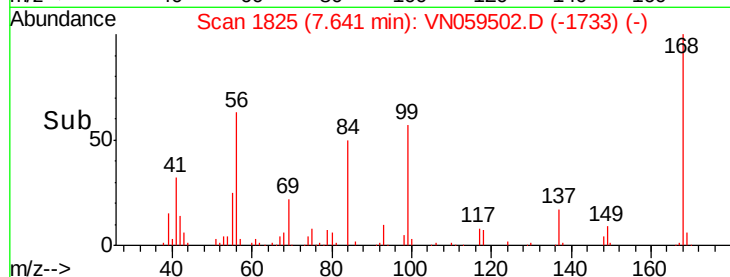
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.155 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059502.D

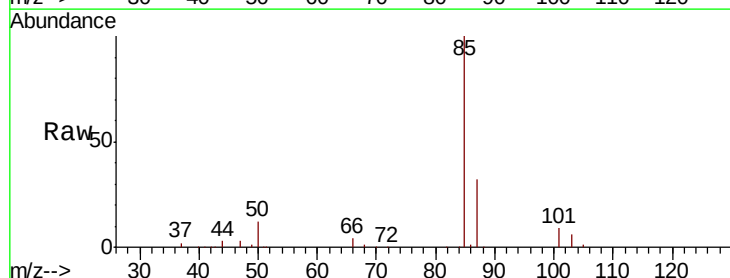
Acq: 5 Dec 2019 16:42

Tgt Ion: 85 Resp: 152969

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

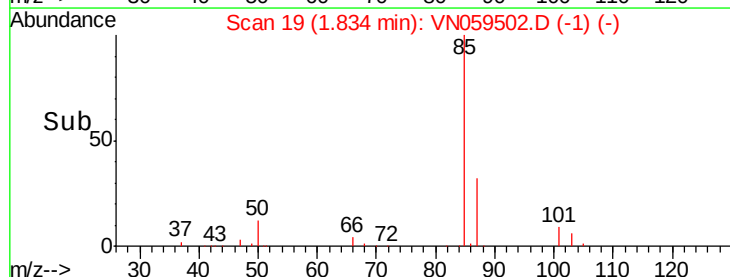
40000

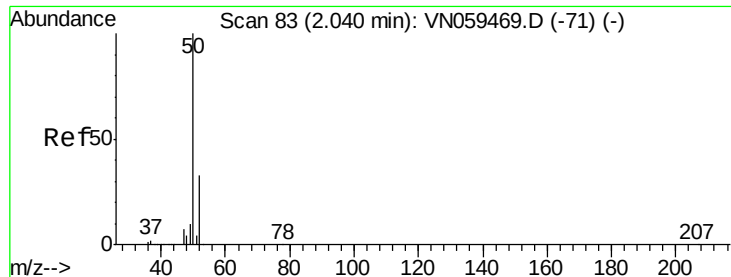
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 41.016 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

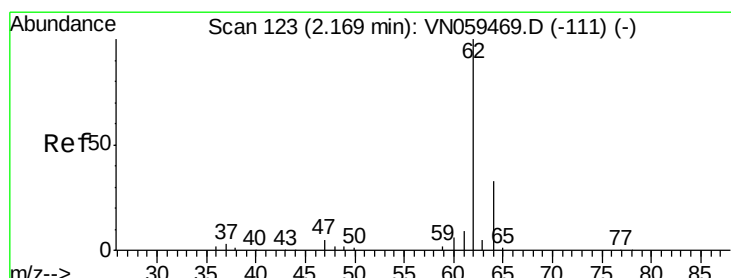
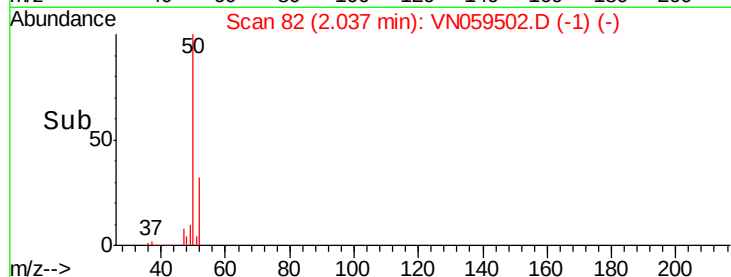
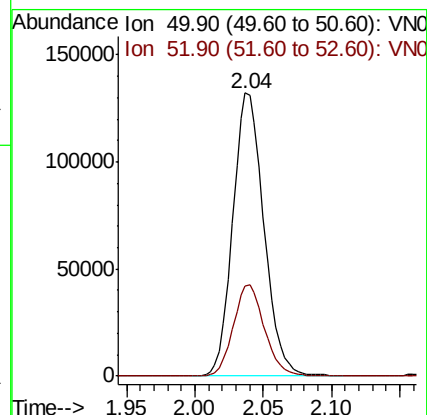
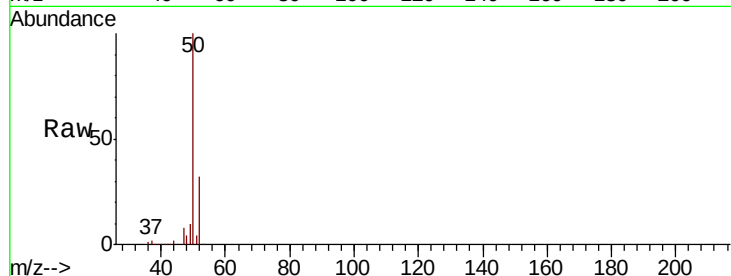
VSTDCCC050EC

Tot Ion: 50 Resp: 209422

Ion Ratio Lower Upper

50 100

52 31.8 26.5 39.7



#4

Vinyl Chloride

Concen: 65.484 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059502.D

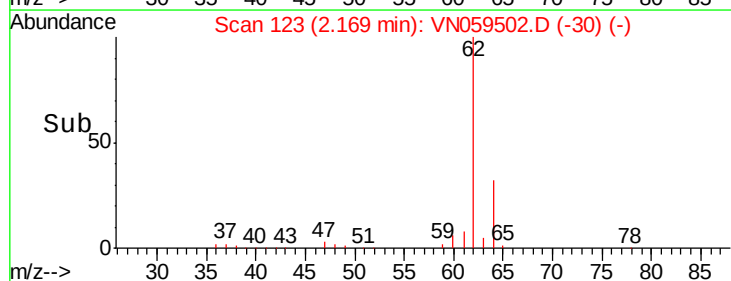
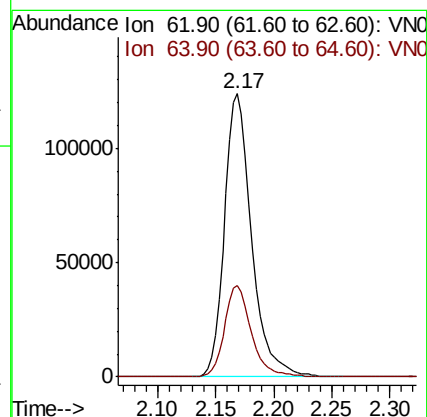
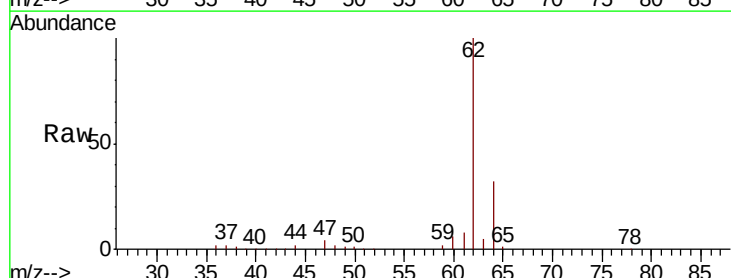
Acq: 5 Dec 2019 16:42

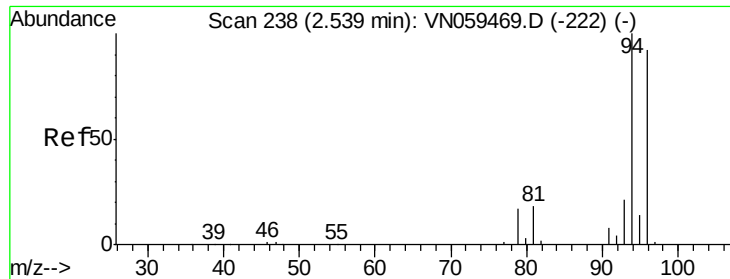
Tgt Ion: 62 Resp: 200635

Ion Ratio Lower Upper

62 100

64 32.4 26.0 39.0





#5

Bromomethane

Concen: 43.606 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

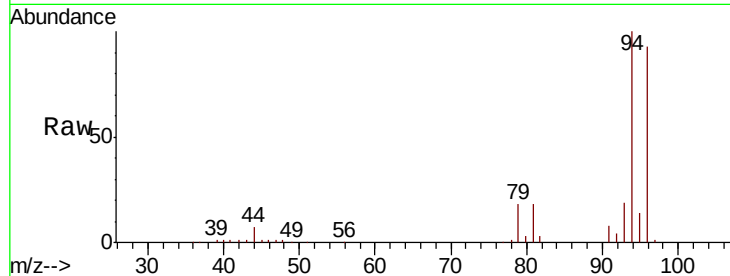
VSTDCCC050EC

Tot Ion: 94 Resp: 81191

Ion Ratio Lower Upper

94 100

96 92.9 73.5 110.3

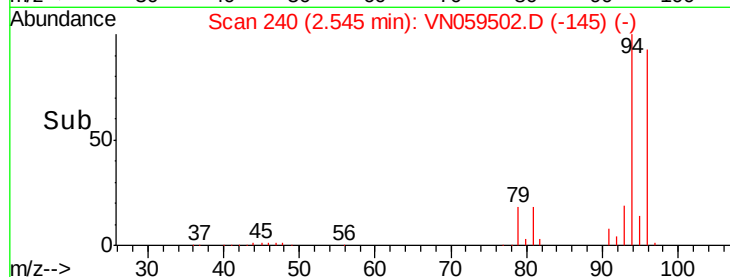


Abundance Ion 93.90 (93.60 to 94.60): VN059469.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059469.D (-222) (-)

2.54

Time-->

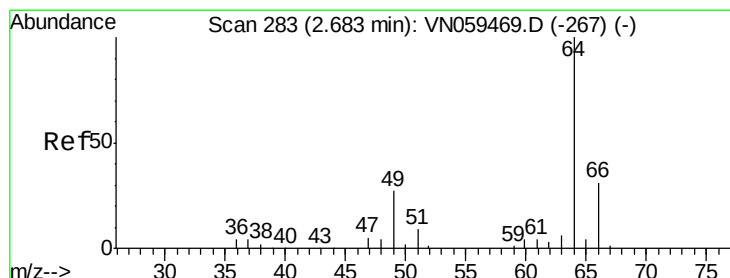


Abundance Ion 93.90 (93.60 to 94.60): VN059502.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059502.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 38.038 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059502.D

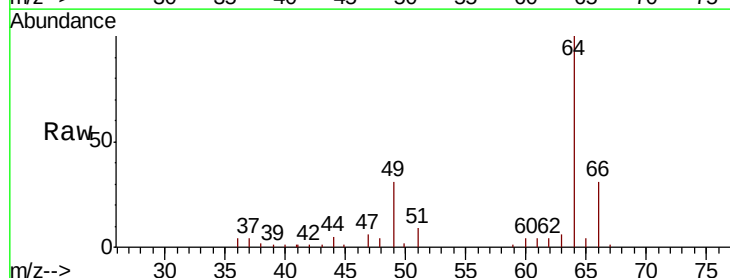
Acq: 5 Dec 2019 16:42

Tgt Ion: 64 Resp: 68805

Ion Ratio Lower Upper

64 100

66 30.8 25.2 37.8

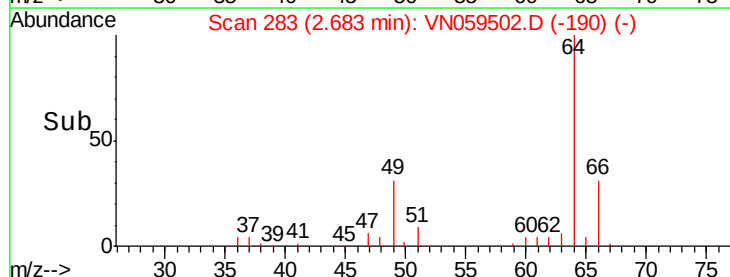


Abundance Ion 63.90 (63.60 to 64.60): VN059469.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN059469.D (-267) (-)

2.68

Time-->

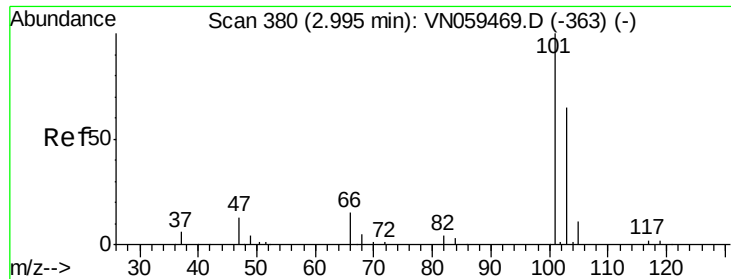


Abundance Ion 63.90 (63.60 to 64.60): VN059502.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN059502.D (-190) (-)

2.68

Time-->

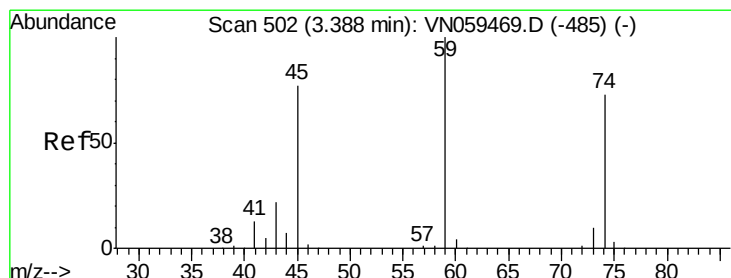
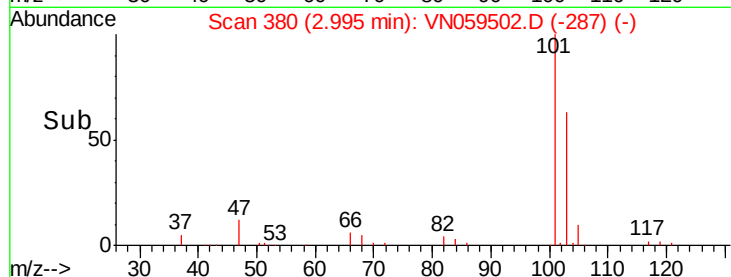
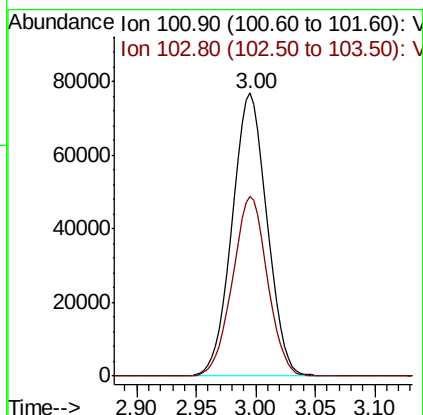
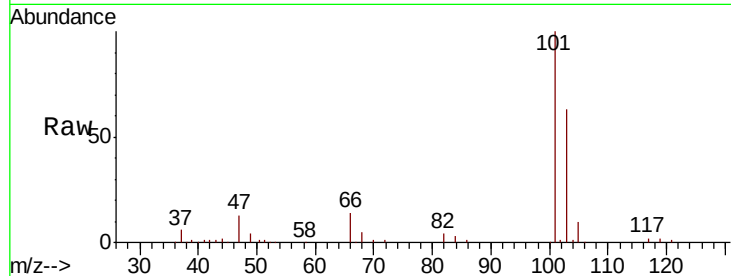


#7

Trichlorofluoromethane
 Concen: 42.282 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Instrument :
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 VSTDCCC050EC

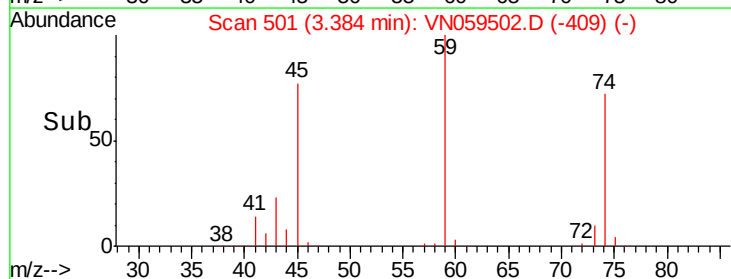
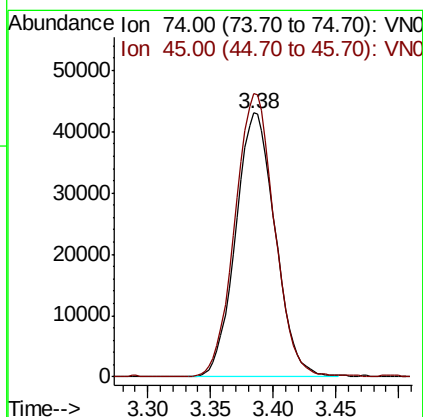
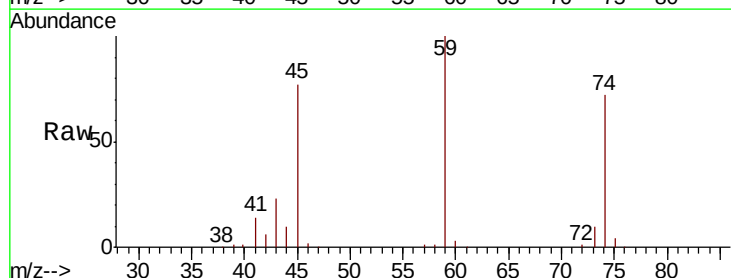
Tot Ion:101 Resp: 156456
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6

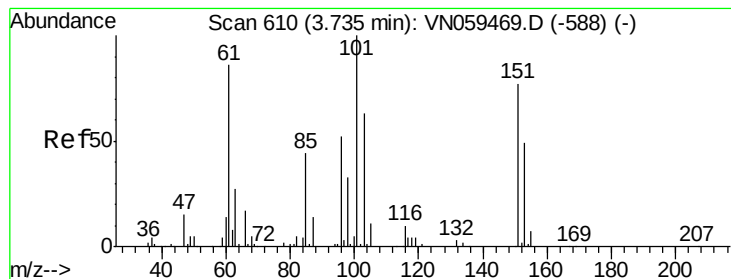


#8

Diethyl Ether
 Concen: 39.186 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion: 74 Resp: 94474
 Ion Ratio Lower Upper
 74 100
 45 107.5 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.270 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

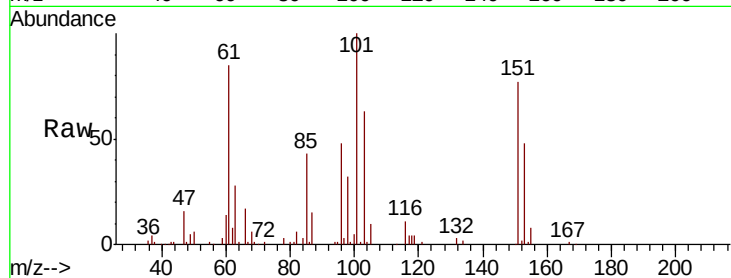
Tot Ion:101 Resp: 149908

Ion Ratio Lower Upper

101 100

85 43.9 35.2 52.8

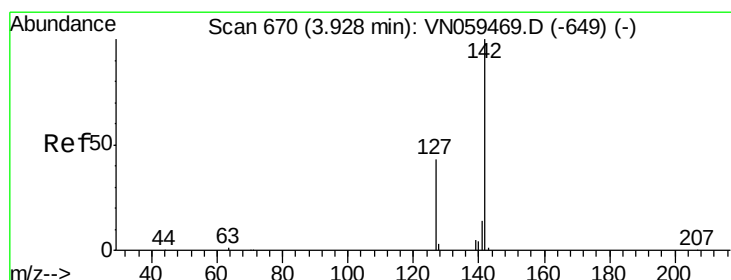
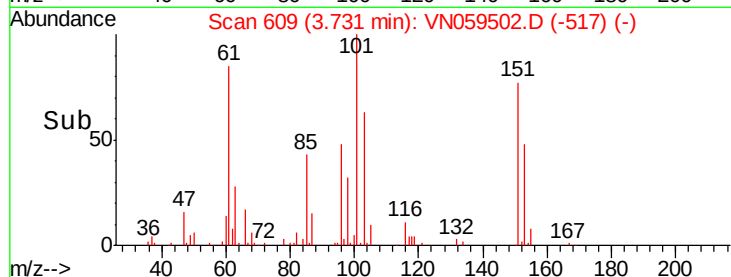
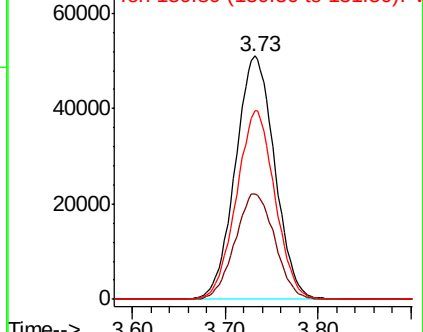
151 76.1 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.651 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

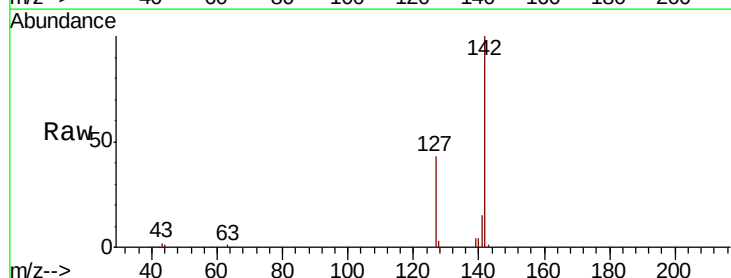
Tgt Ion:142 Resp: 191572

Ion Ratio Lower Upper

142 100

127 44.2 34.6 52.0

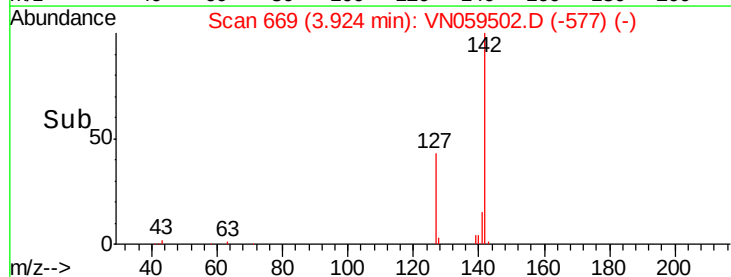
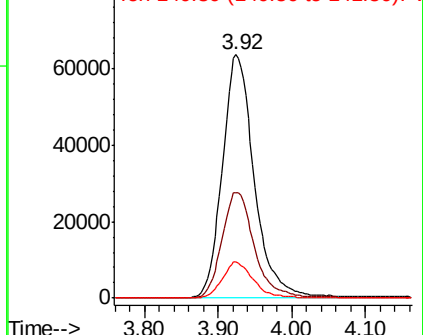
141 14.4 11.4 17.0

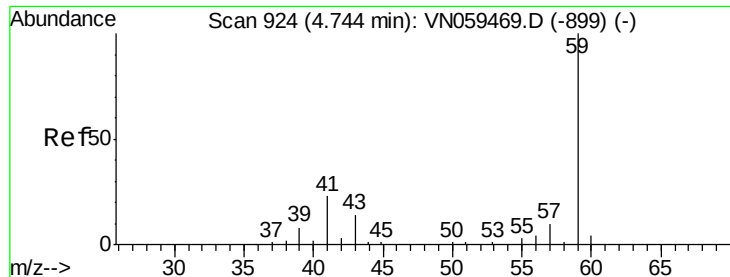


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

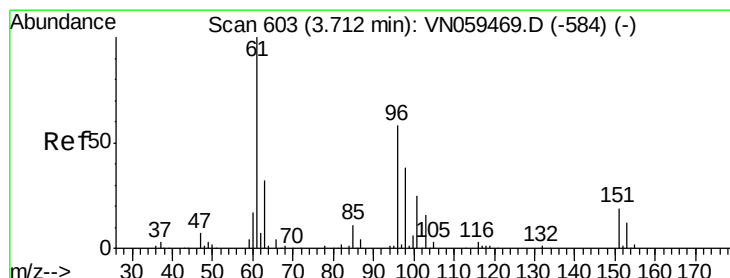
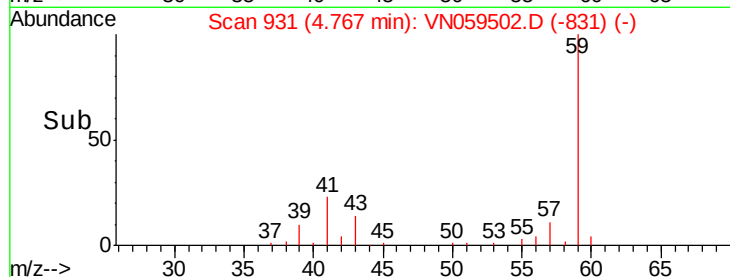
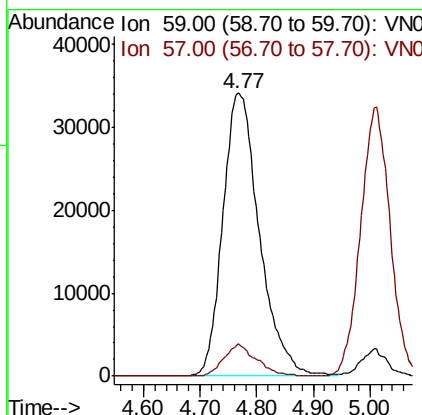
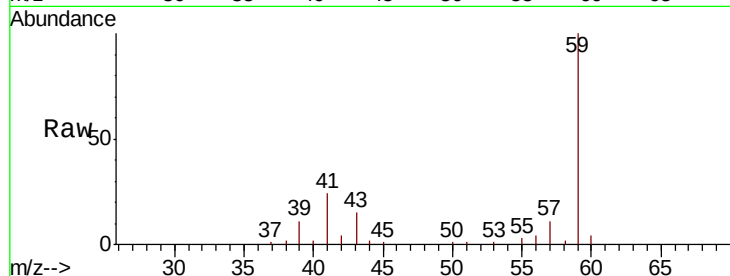




#11
Tert butyl alcohol
Concen: 191.368 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.02 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

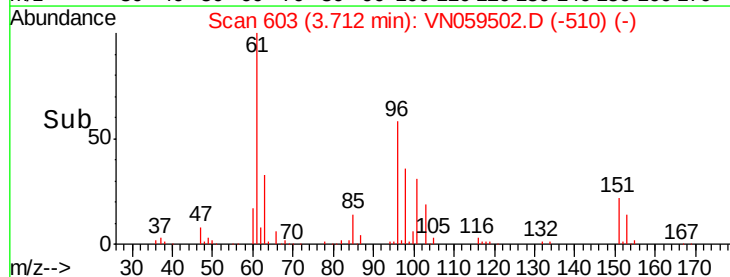
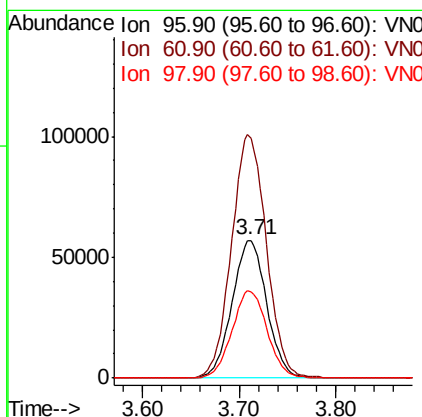
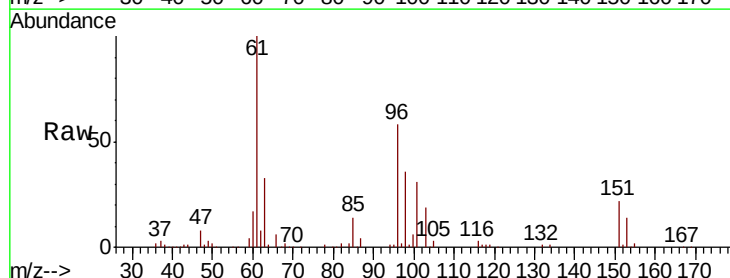
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

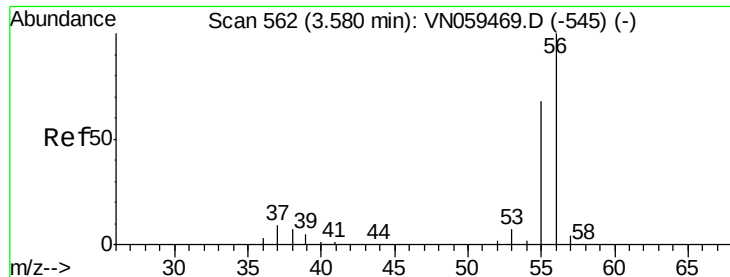
Tot Ion: 59 Resp: 153358
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1



#12
1,1-Dichloroethene
Concen: 39.894 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 96 Resp: 141654
Ion Ratio Lower Upper
96 100
61 173.4 137.1 205.7
98 62.5 52.4 78.6





#13

Acrolein

Concen: 214.533 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

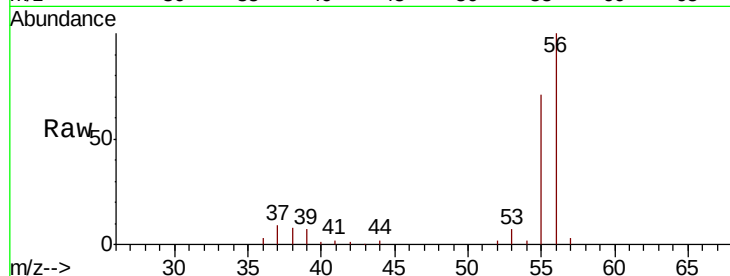
VSTDCCC050EC

Tot Ion: 56 Resp: 149206

Ion Ratio Lower Upper

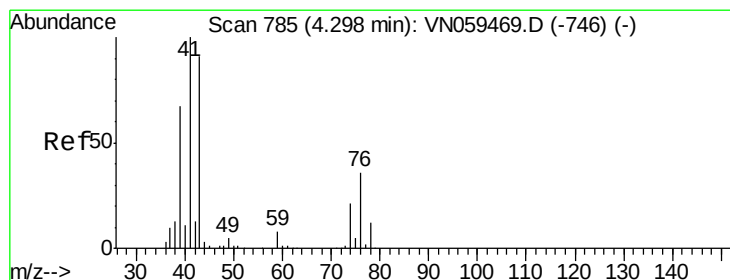
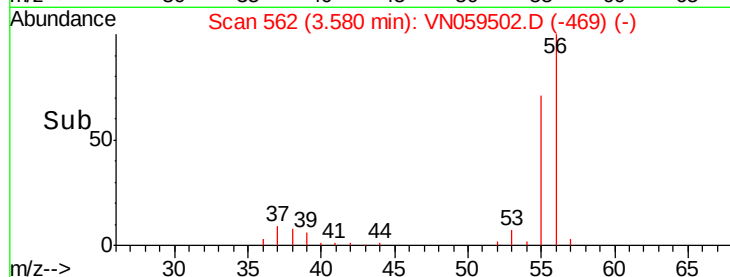
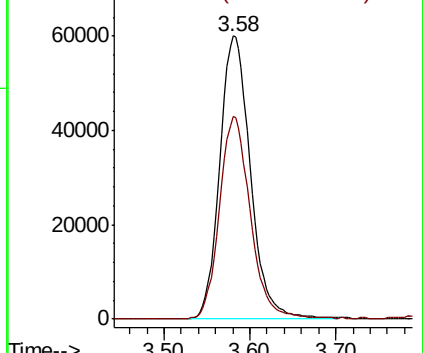
56 100

55 72.2 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 40.664 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

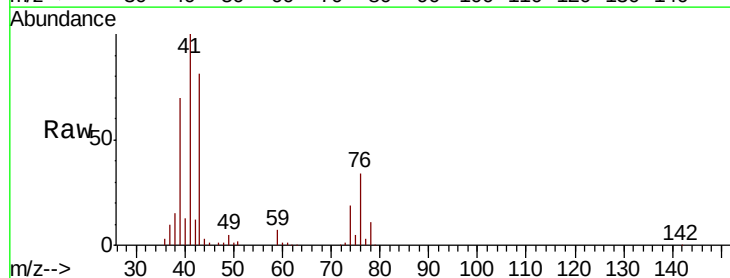
Tgt Ion: 41 Resp: 284385

Ion Ratio Lower Upper

41 100

39 66.5 49.3 73.9

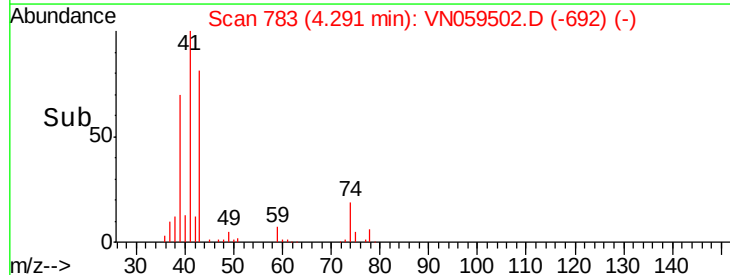
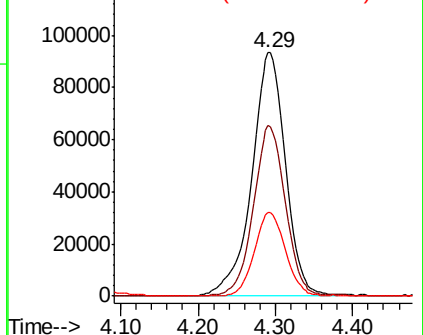
76 31.8 25.6 38.4

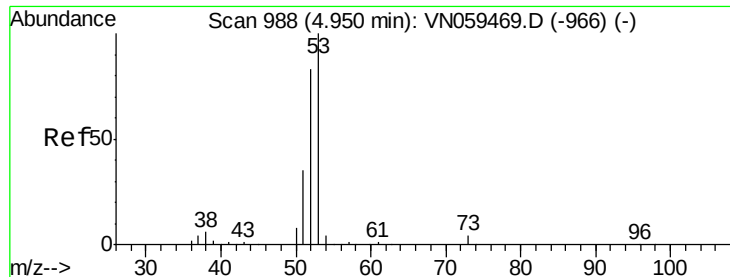


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 199.854 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

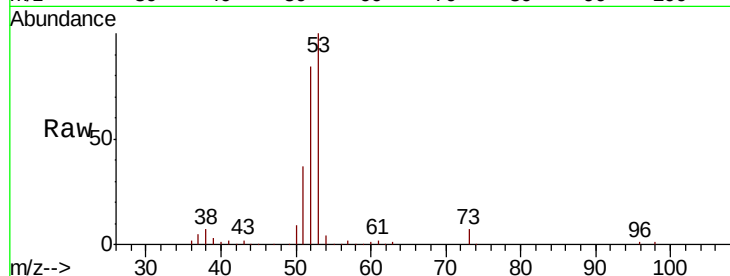
Tot Ion: 53 Resp: 433288

Ion Ratio Lower Upper

53 100

52 83.1 65.5 98.3

51 36.6 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN059469.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059469.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059469.D (-966) (-)

4.95

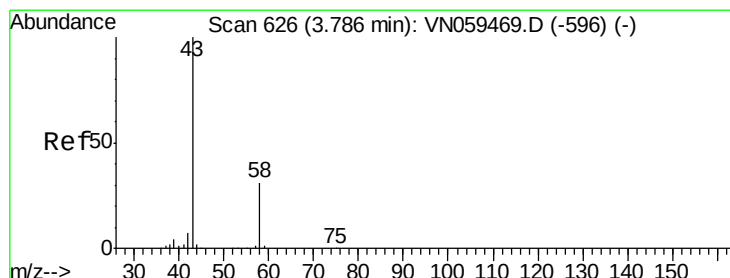
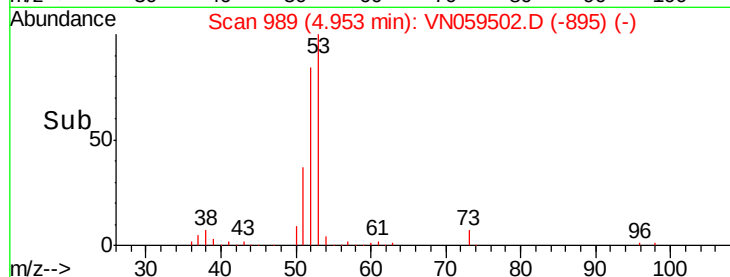
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 188.384 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059502.D

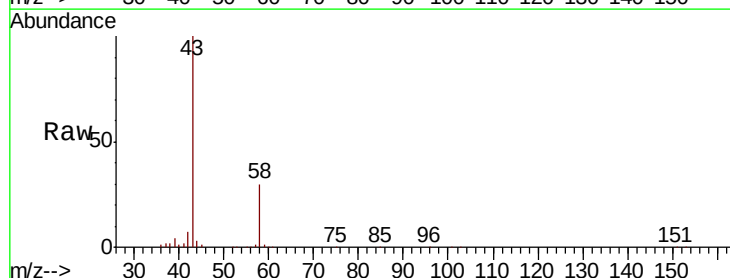
Acq: 5 Dec 2019 16:42

Tgt Ion: 43 Resp: 450435

Ion Ratio Lower Upper

43 100

58 30.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-596) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-596) (-)

3.80

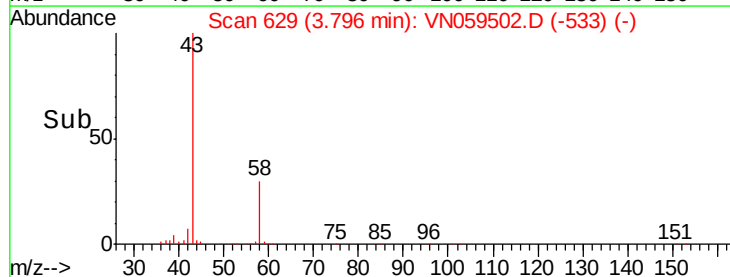
150000

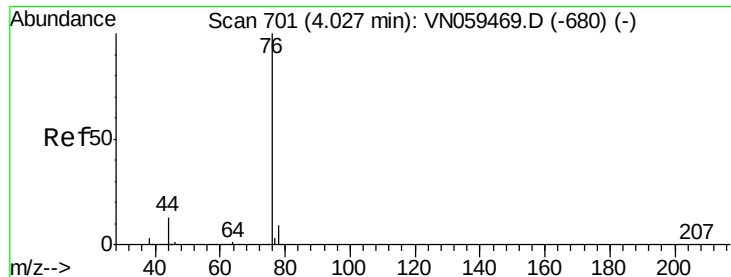
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 38.372 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

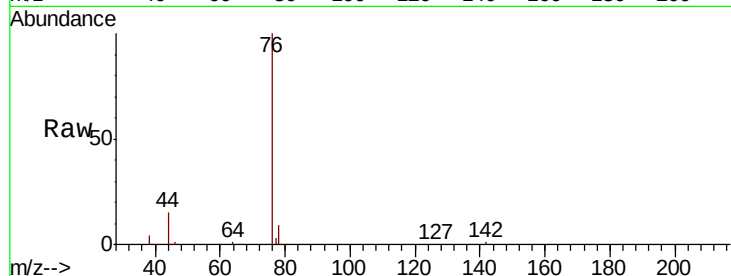
VSTDCCC050EC

Tot Ion: 76 Resp: 464892

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

200000

150000

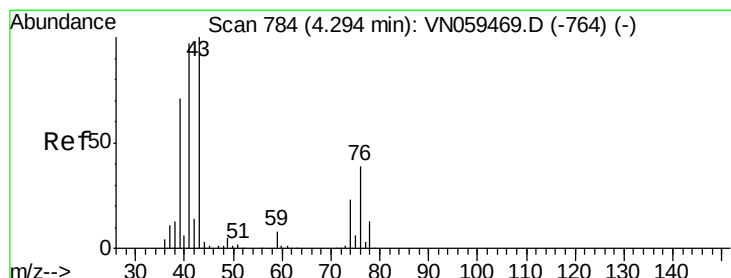
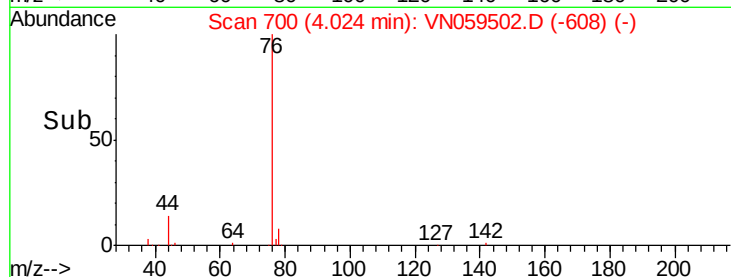
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 40.062 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059502.D

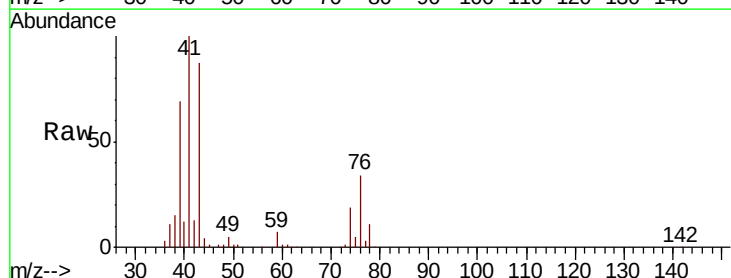
Acq: 5 Dec 2019 16:42

Tgt Ion: 43 Resp: 229352

Ion Ratio Lower Upper

43 100

74 21.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

80000

60000

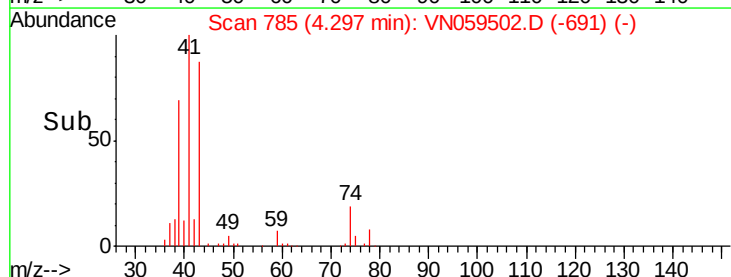
40000

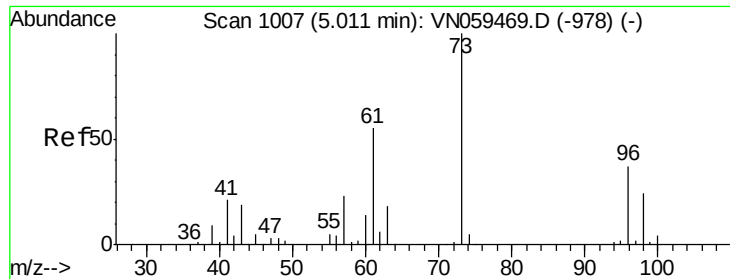
20000

0

Time-->

4.20 4.30 4.40

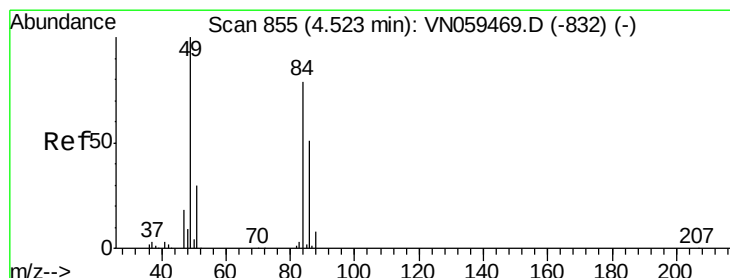
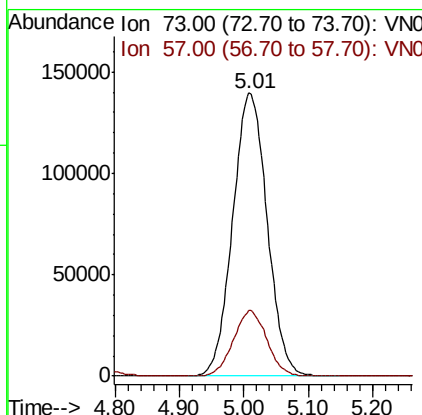
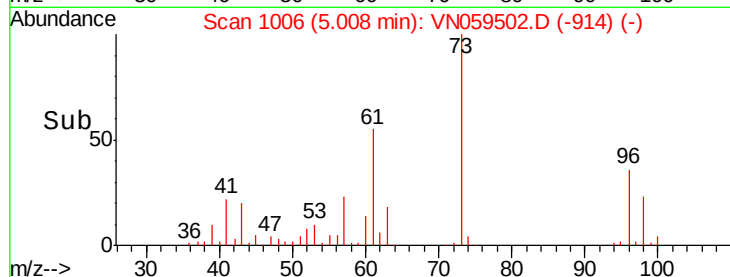
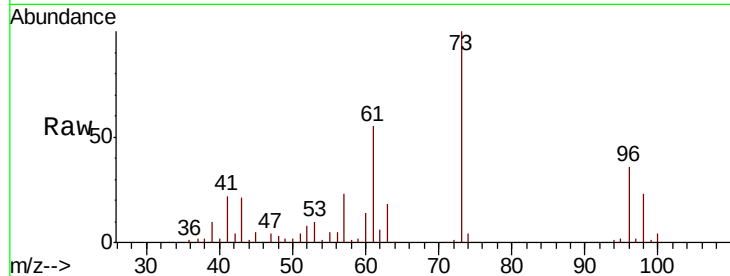




#19
Methyl tert-butyl Ether
Concen: 42.900 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

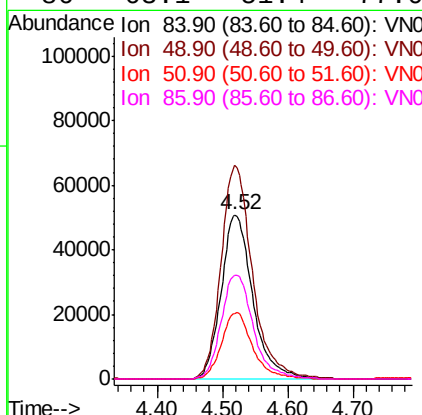
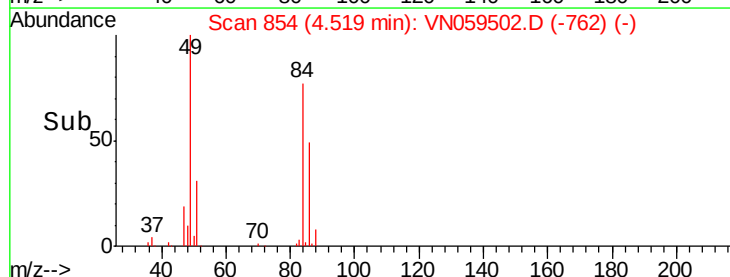
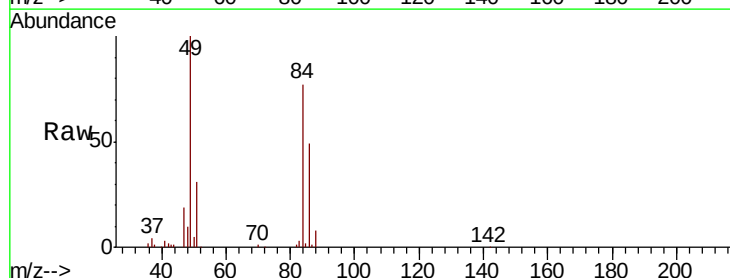
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

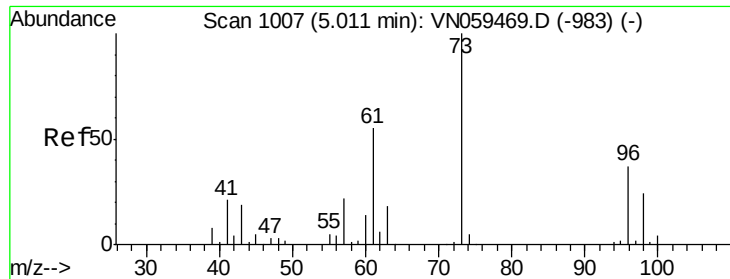
Tot Ion: 73 Resp: 519165
Ion Ratio Lower Upper
73 100
57 23.1 18.0 27.0



#20
Methylene Chloride
Concen: 42.437 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 84 Resp: 170715
Ion Ratio Lower Upper
84 100
49 129.8 101.1 151.7
51 40.0 30.7 46.1
86 63.1 51.4 77.0

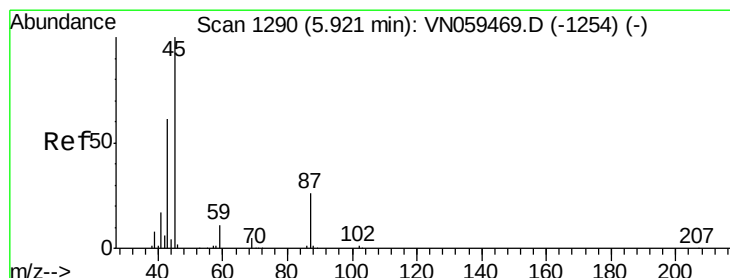
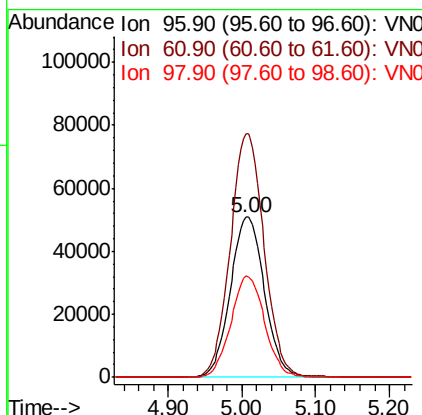
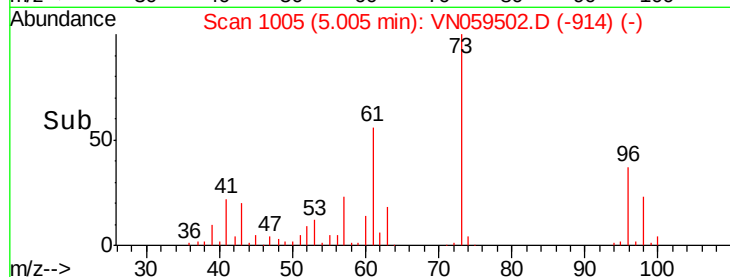
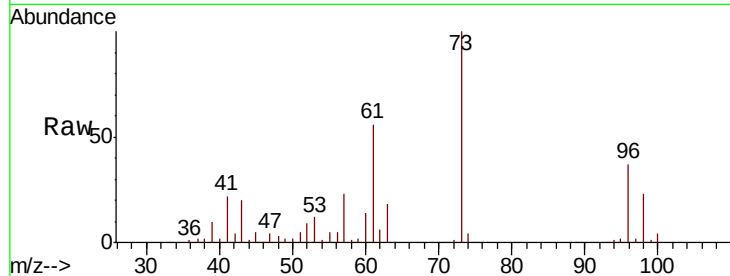




#21
trans-1,2-Dichloroethene
Concen: 41.296 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

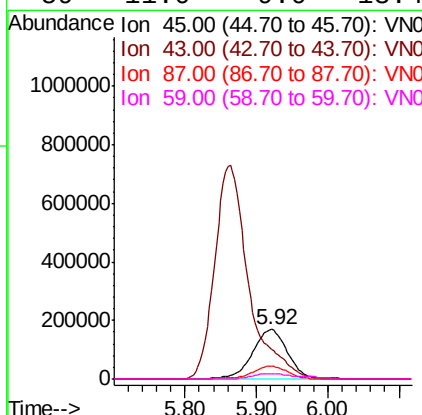
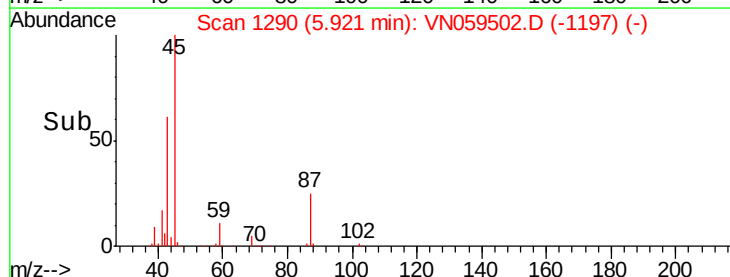
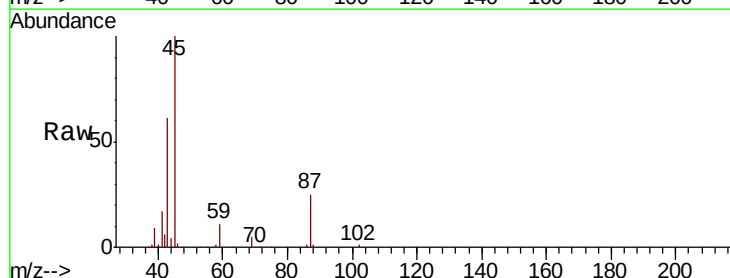
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

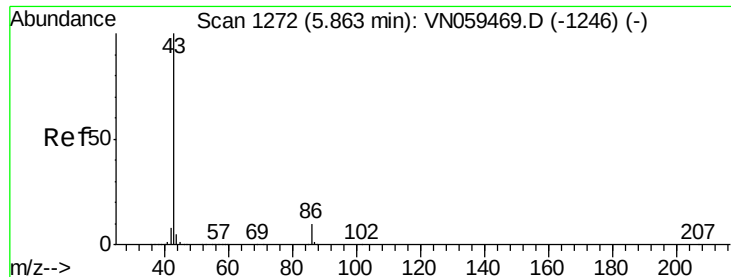
Tot Ion: 96 Resp: 164067
Ion Ratio Lower Upper
96 100
61 152.2 118.9 178.3
98 63.4 51.6 77.4



#22
Diisopropyl ether
Concen: 43.984 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 45 Resp: 572537
Ion Ratio Lower Upper
45 100
43 59.1 49.1 73.7
87 25.5 21.6 32.4
59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 231.816 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

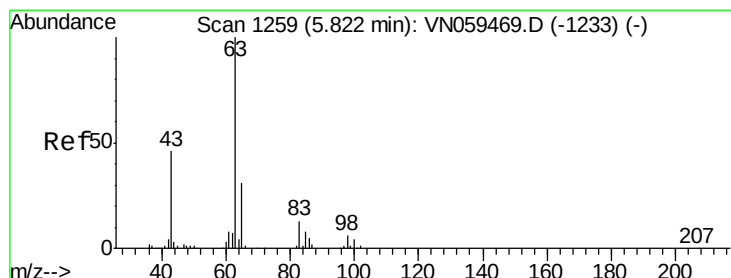
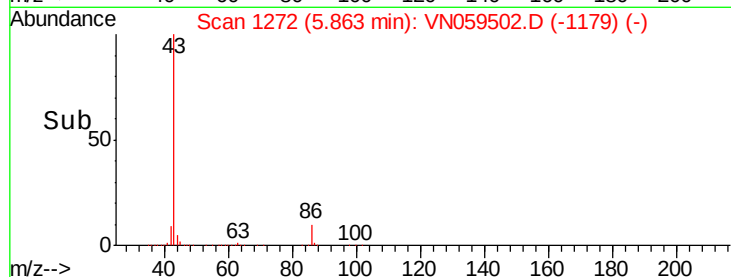
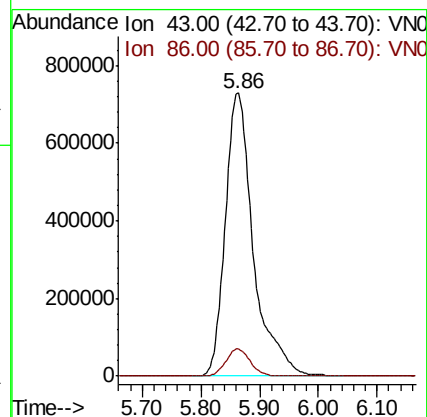
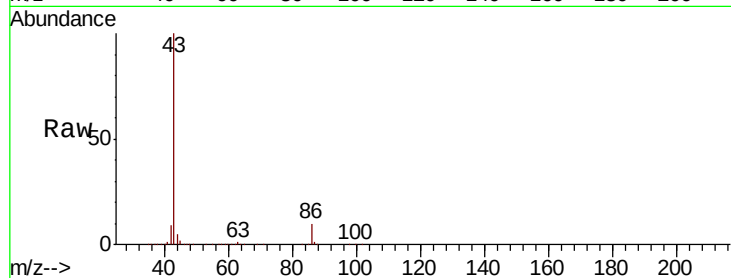
VSTDCCC050EC

Tot Ion: 43 Resp: 2421320

Ion Ratio Lower Upper

43 100

86 9.6 8.0 12.0



#24

1,1-Dichloroethane

Concen: 42.814 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

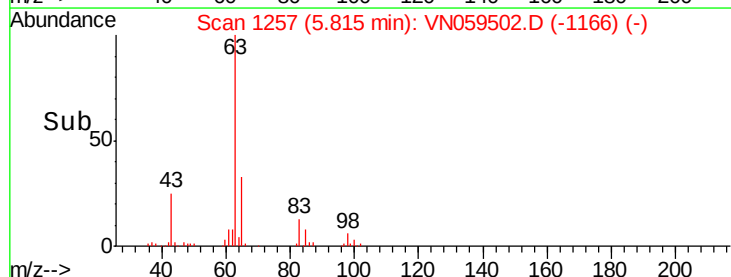
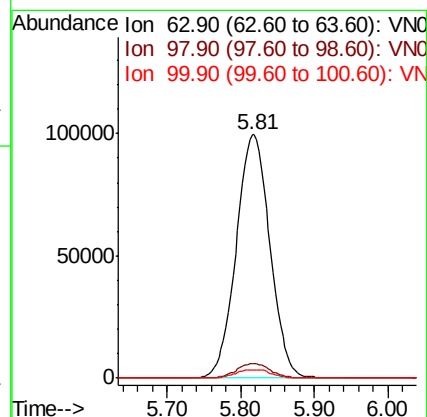
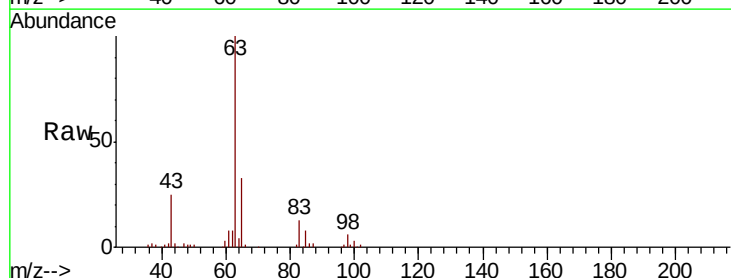
Tgt Ion: 63 Resp: 316592

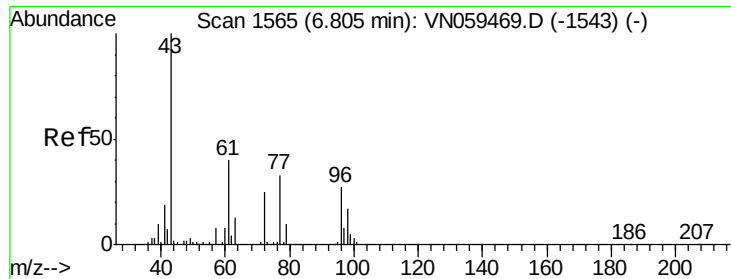
Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

100 3.3 2.0 6.0

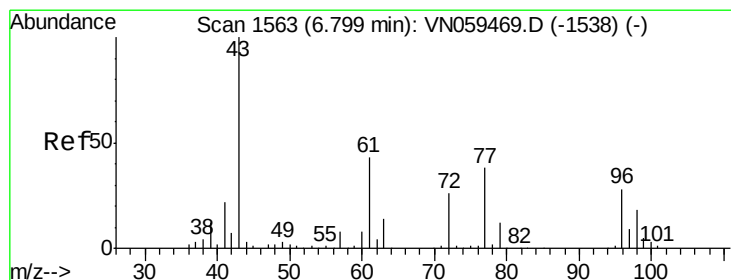
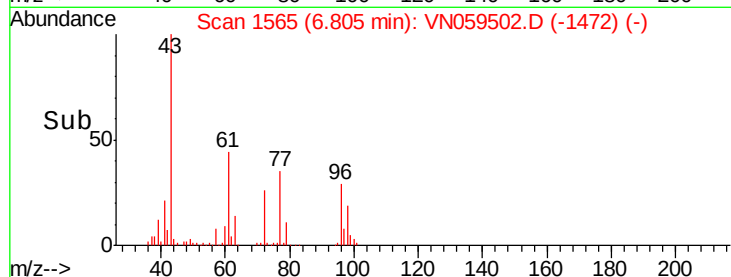
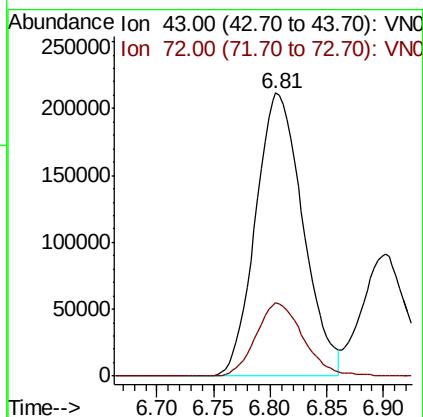
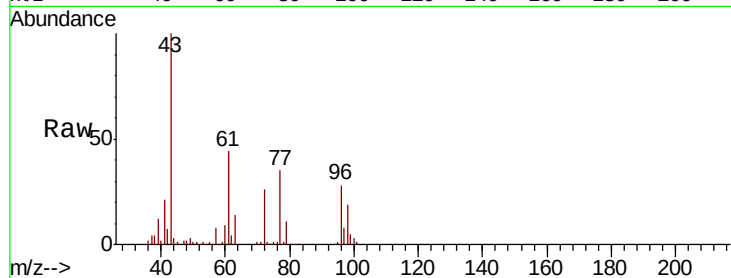




#25
2-Butanone
Concen: 189.896 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

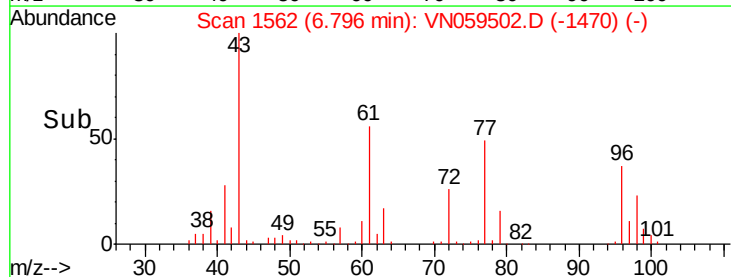
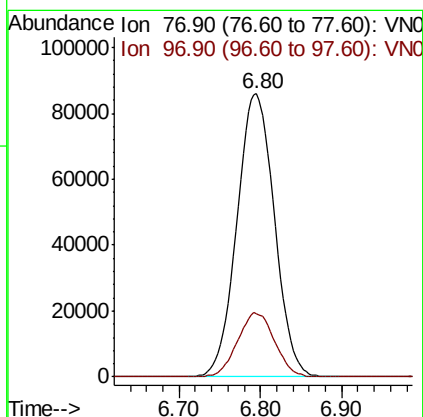
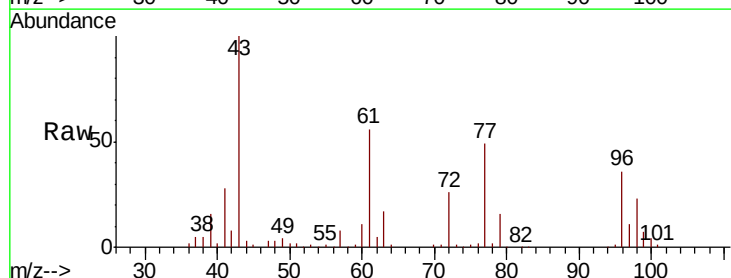
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

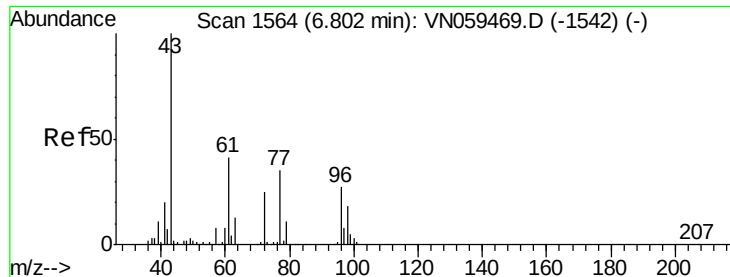
Tot Ion: 43 Resp: 613821
Ion Ratio Lower Upper
43 100
72 25.8 20.2 30.2



#26
2,2-Dichloropropane
Concen: 42.727 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 77 Resp: 273267
Ion Ratio Lower Upper
77 100
97 22.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 42.156 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

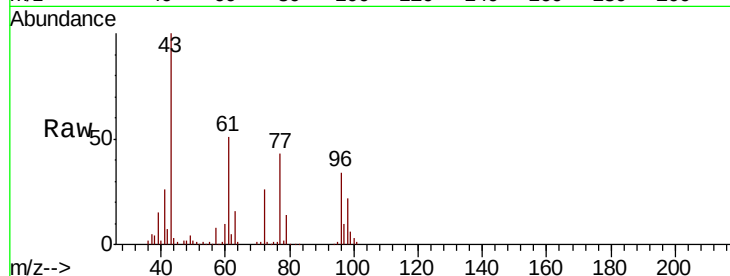
Tot Ion: 96 Resp: 186012

Ion Ratio Lower Upper

96 100

61 155.3 0.0 307.4

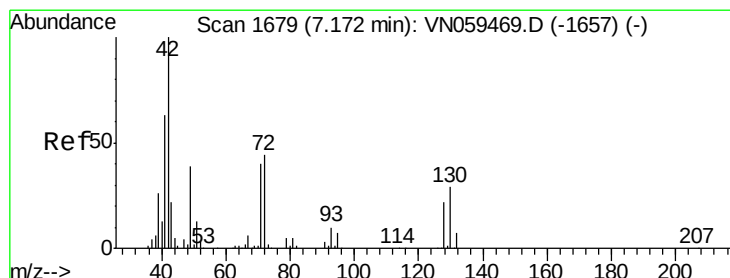
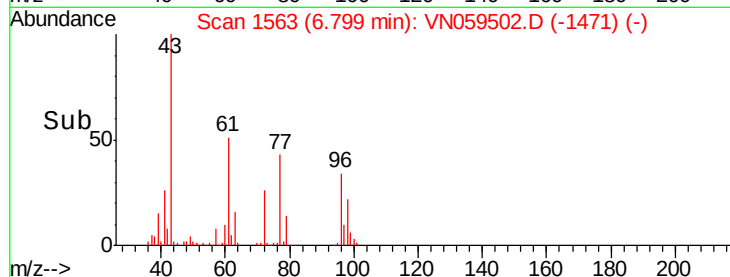
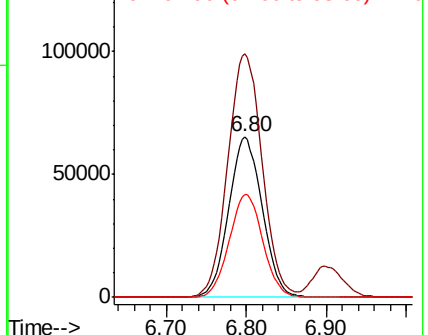
98 64.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.699 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

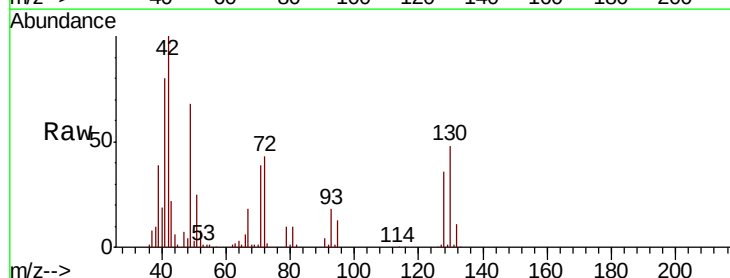
Tgt Ion: 49 Resp: 140154

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

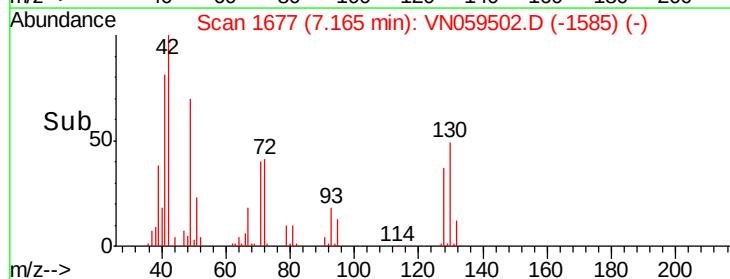
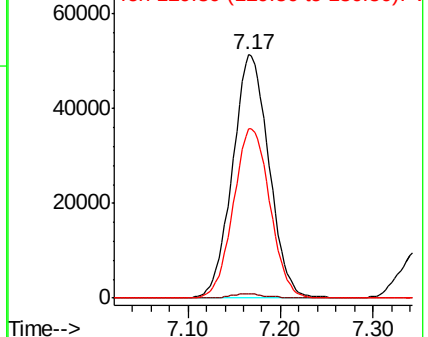
130 69.9 58.4 87.6

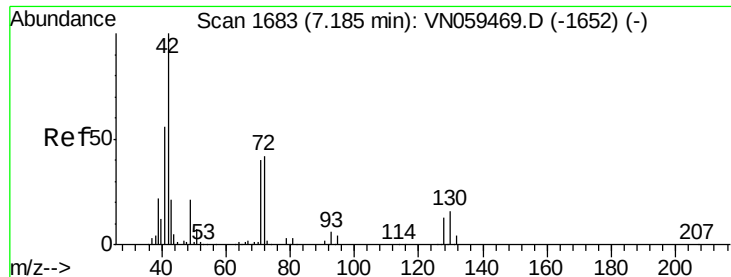


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

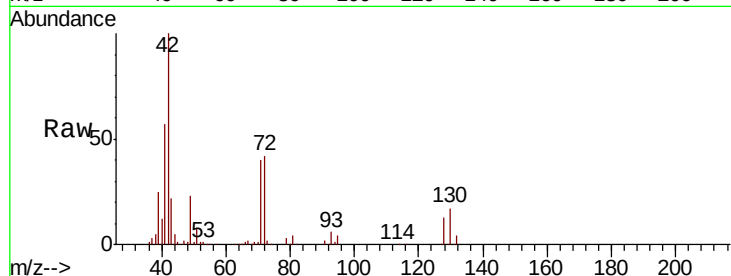




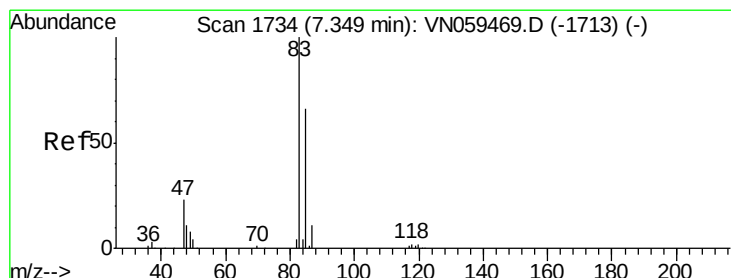
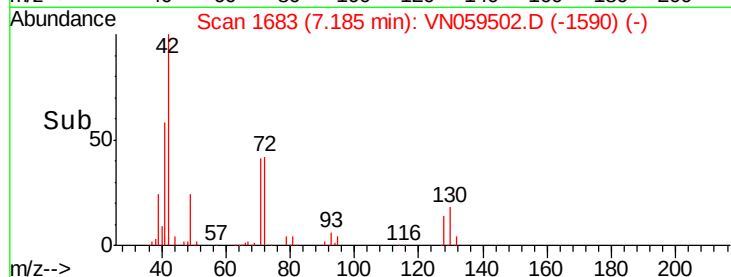
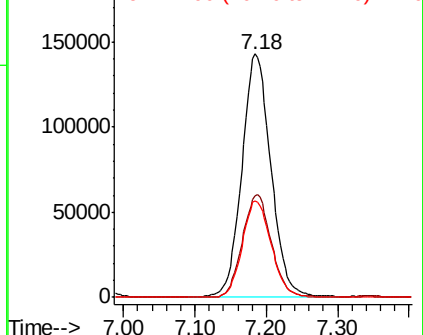
#29
Tetrahydrofuran
Concen: 198.723 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	42	Resp	403908
Ion Ratio	Lower	Upper	
42	100		
72	42.1	34.2	51.2
71	39.6	32.0	48.0

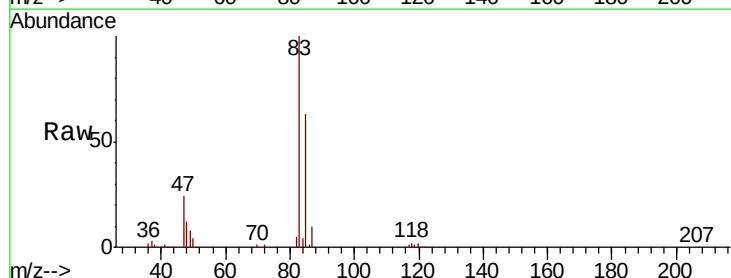


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

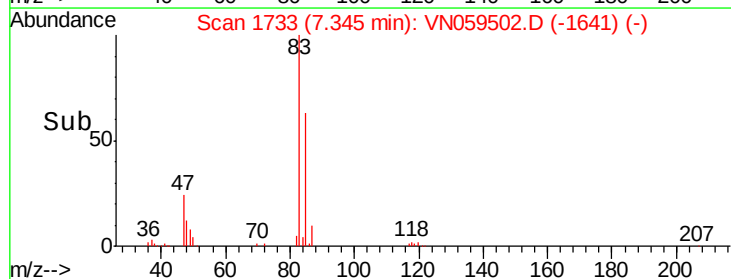
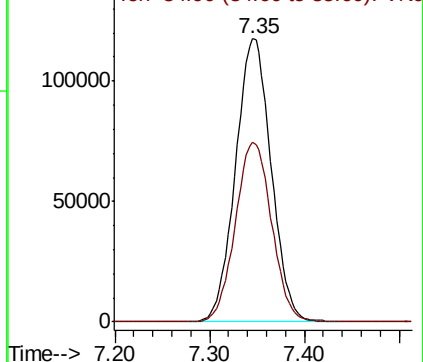


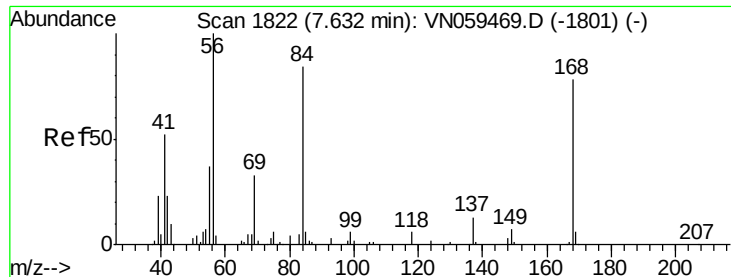
#30
Chloroform
Concen: 43.126 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion	83	Resp	307906
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.4	78.6



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





#31

Cyclohexane

Concen: 40.993 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

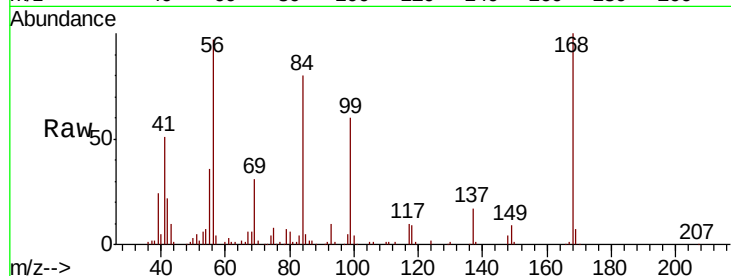
Tot Ion: 56 Resp: 293709

Ion Ratio Lower Upper

56 100

69 31.8 26.2 39.4

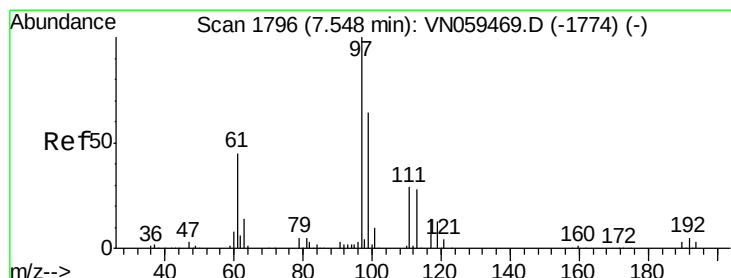
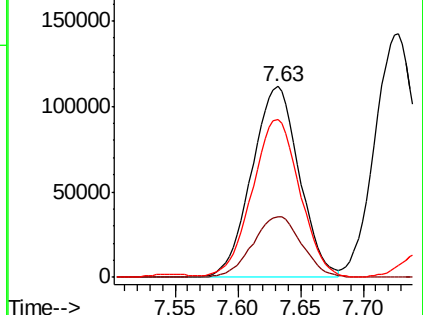
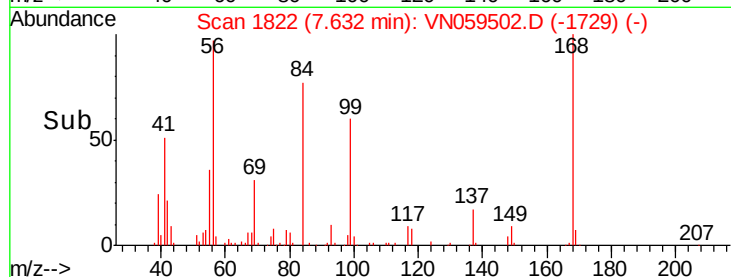
84 81.7 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VN059502.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059502.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059502.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 42.657 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

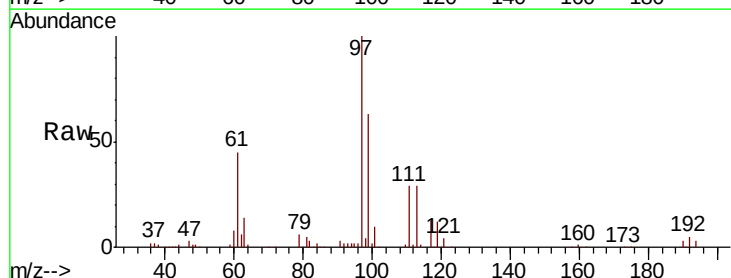
Tgt Ion: 97 Resp: 264707

Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

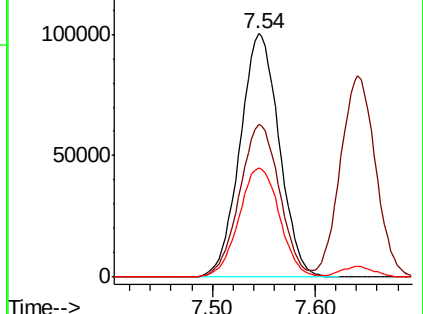
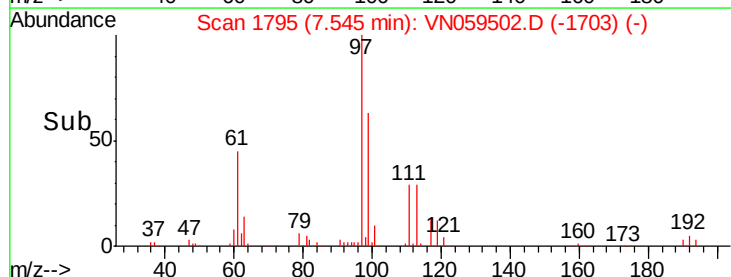
61 46.5 35.4 53.0

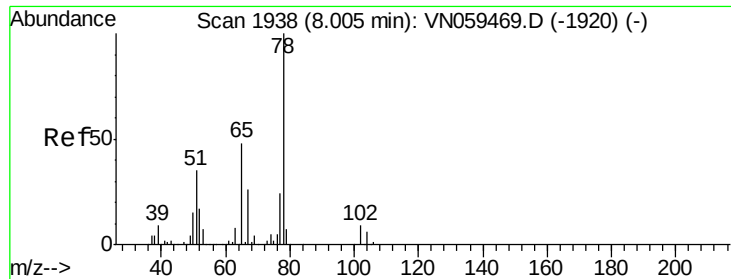


Abundance Ion 96.90 (96.60 to 97.60): VN059502.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059502.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059502.D (-1703) (-)

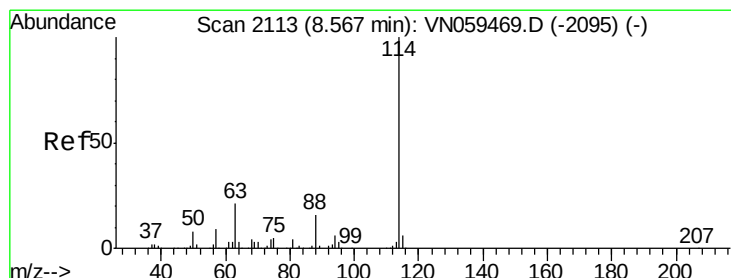
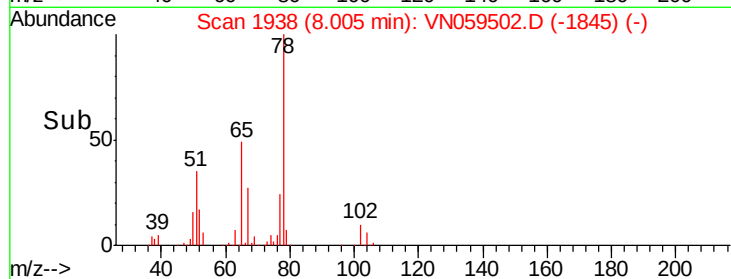
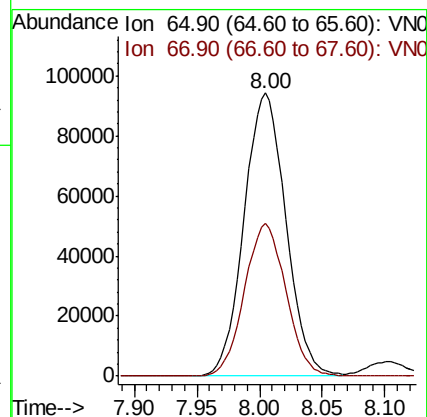
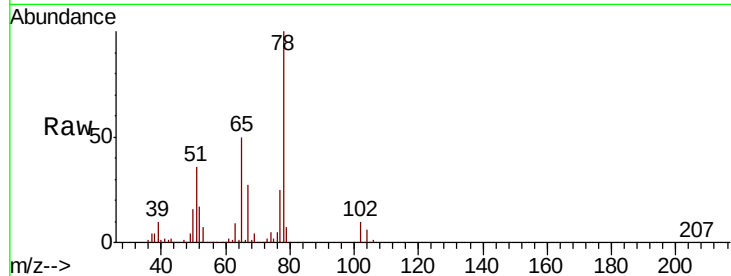




#33
 1,2-Dichloroethane-d4
 Concen: 51.422 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

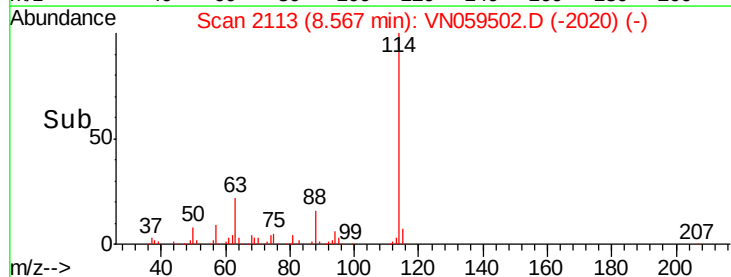
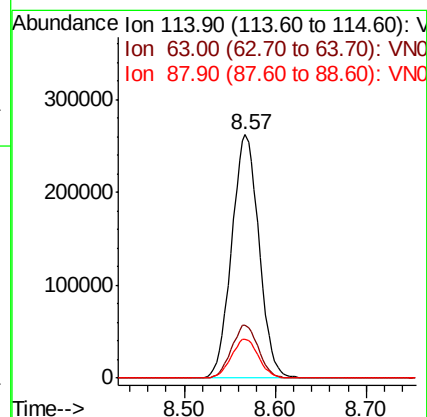
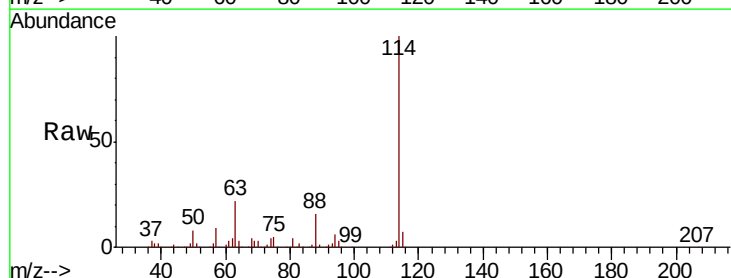
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

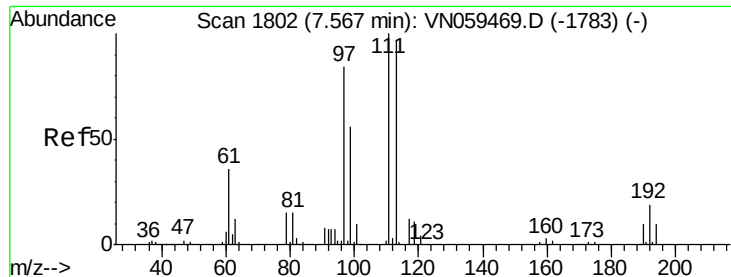
Tot Ion: 65 Resp: 218686
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion: 114 Resp: 545745
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.4
 88 16.2 0.0 32.8

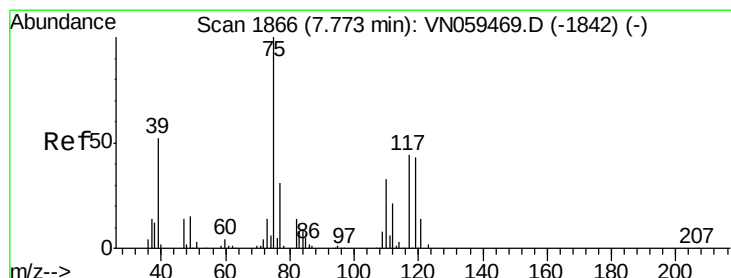
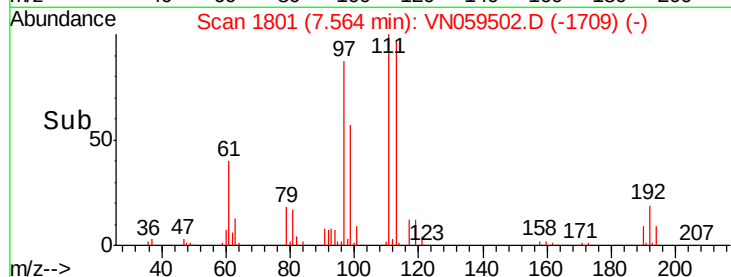
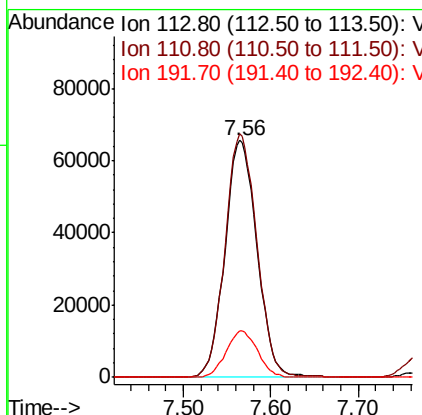
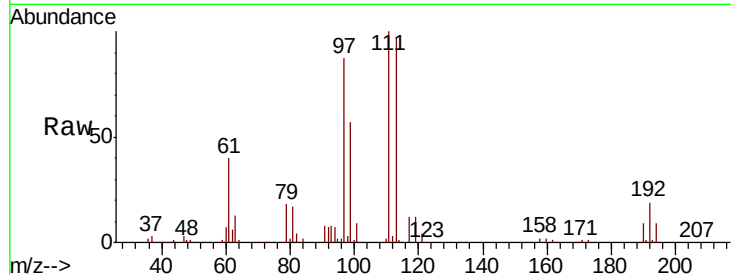




#35
 Dibromofluoromethane
 Concen: 49.085 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

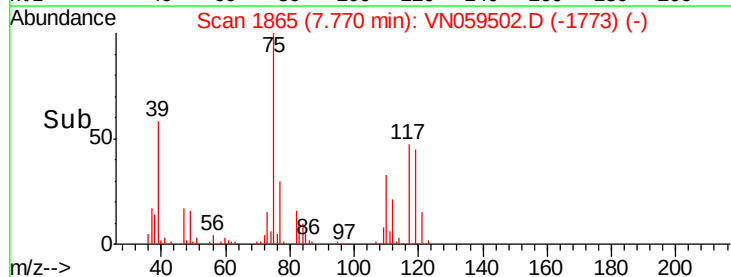
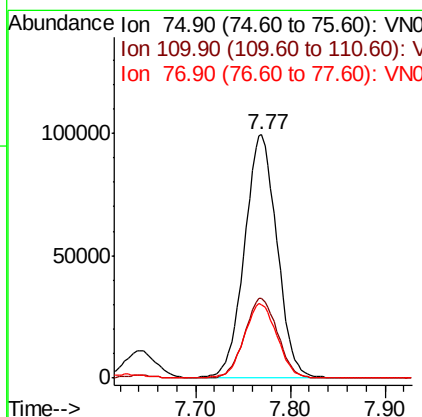
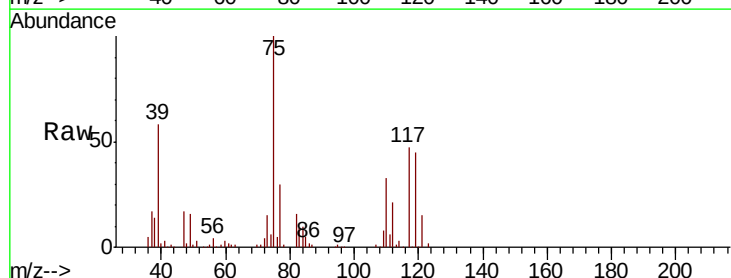
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

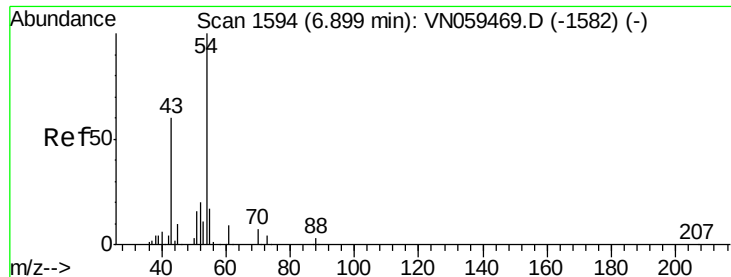
Tot Ion:113 Resp: 166841
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.5 123.7
 192 19.2 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 41.661 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion: 75 Resp: 236600
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.9 50.7
 77 31.4 25.1 37.7

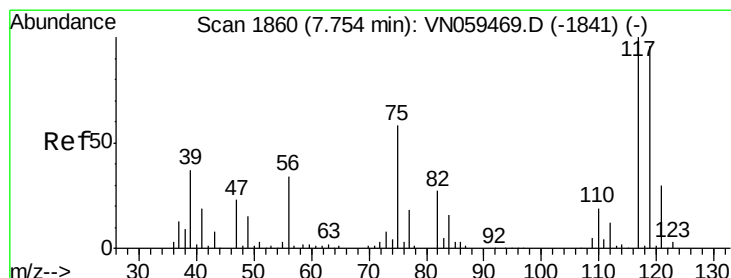
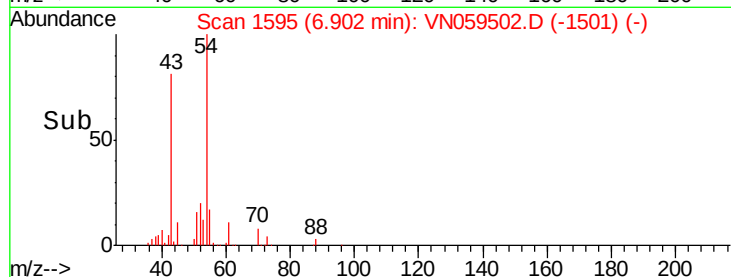
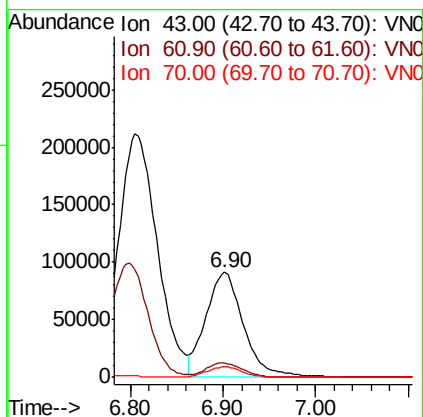
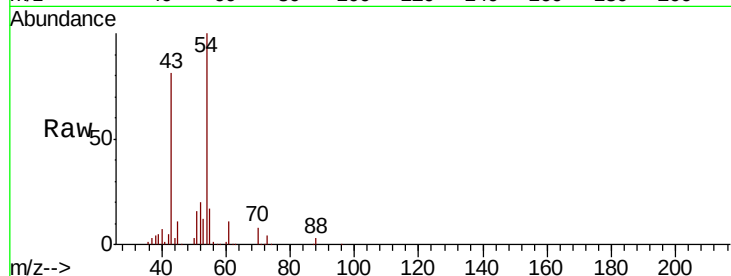




#37
Ethyl Acetate
Concen: 40.120 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

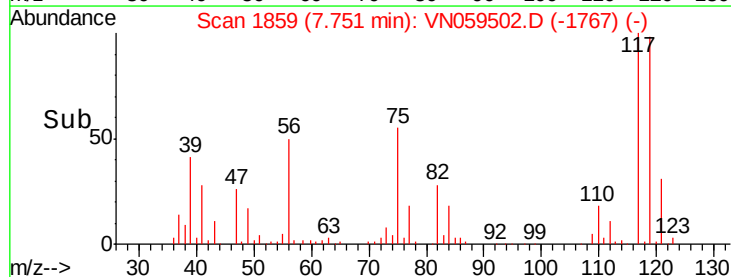
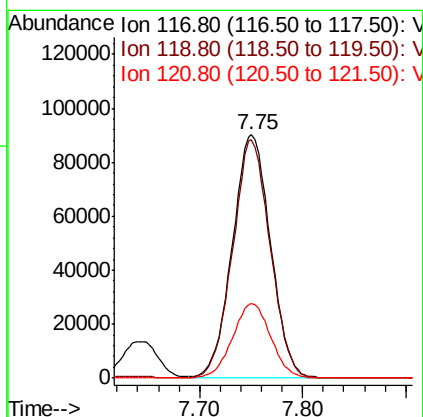
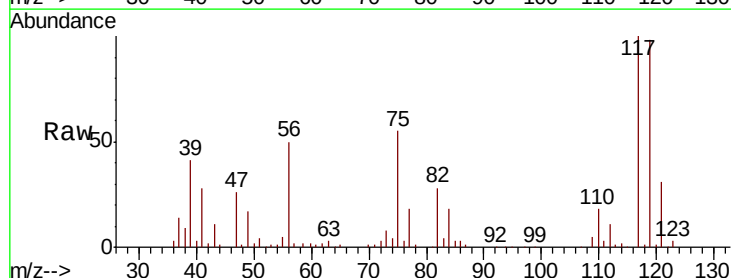
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

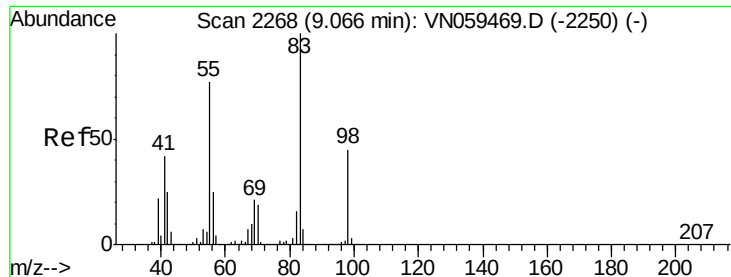
Tot Ion: 43 Resp: 254504
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 9.7 8.3 12.5



#38
Carbon Tetrachloride
Concen: 42.510 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 117 Resp: 232202
Ion Ratio Lower Upper
117 100
119 98.1 76.6 114.8
121 30.6 24.0 36.0

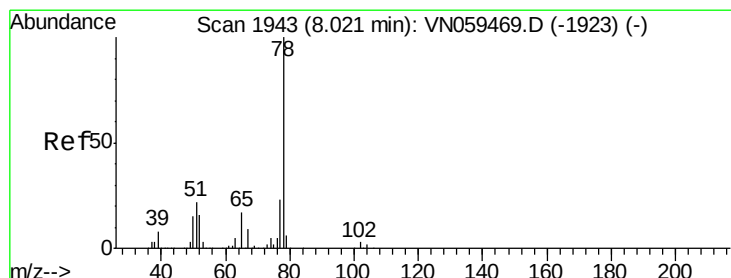
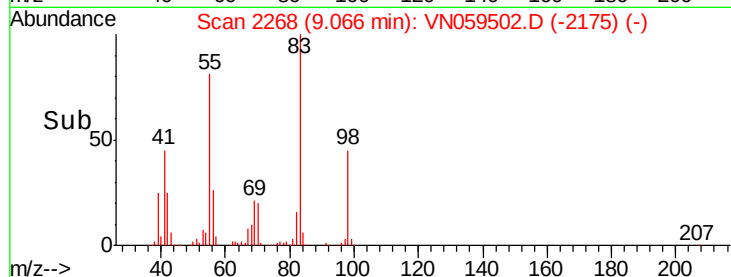
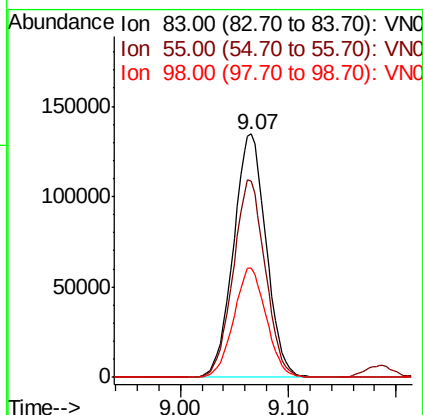
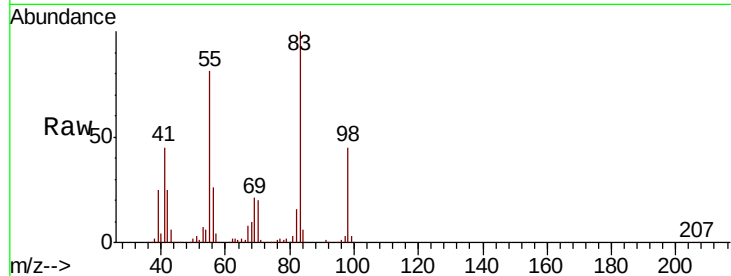




#39
Methylvlcyclohexane
Concen: 41.489 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

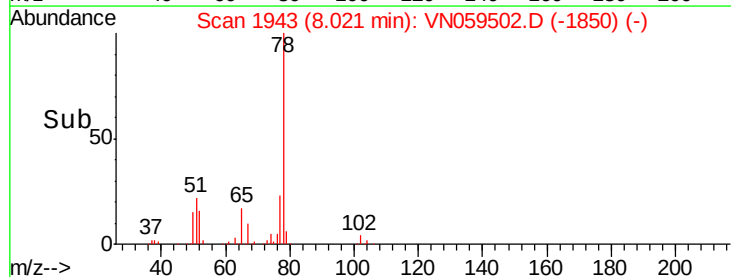
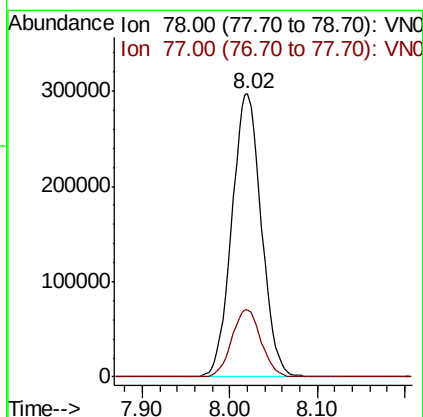
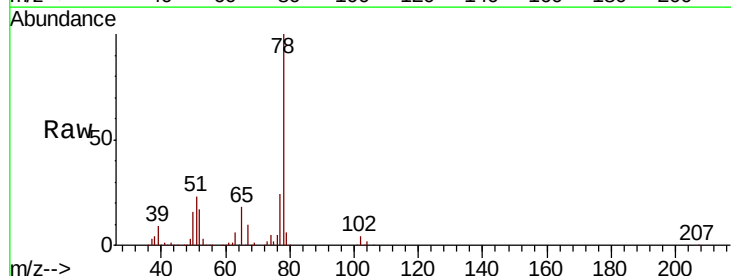
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

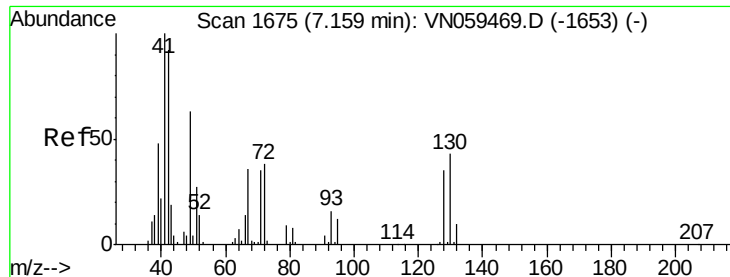
Tot Ion: 83 Resp: 283555
Ion Ratio Lower Upper
83 100
55 80.7 61.8 92.6
98 45.0 36.2 54.2



#40
Benzene
Concen: 41.853 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 78 Resp: 696032
Ion Ratio Lower Upper
78 100
77 23.7 18.2 27.2

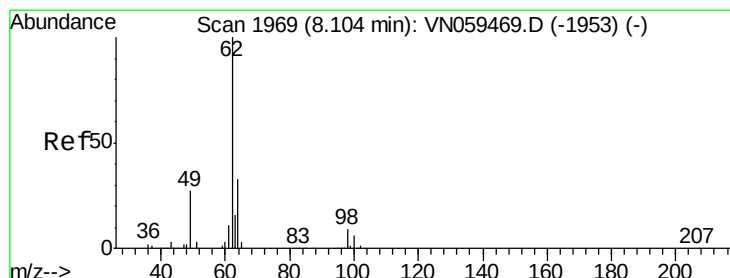
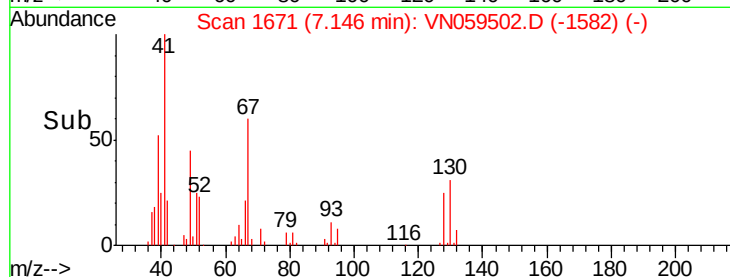
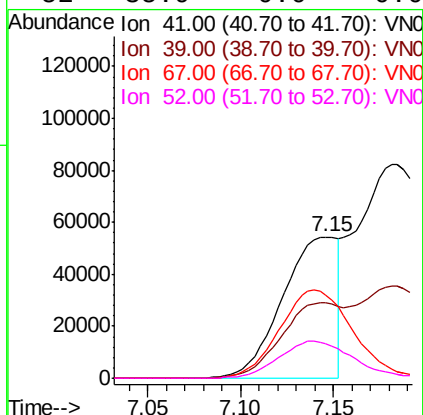
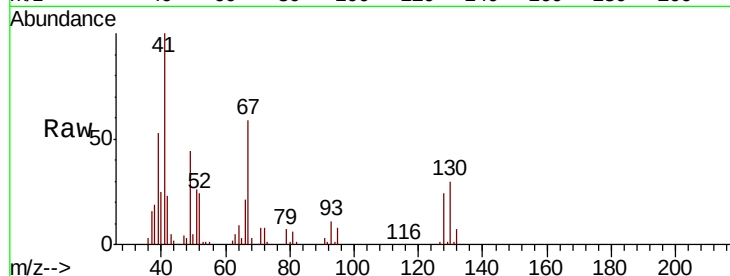




#41
Methacrylonitrile
Concen: 43.841 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

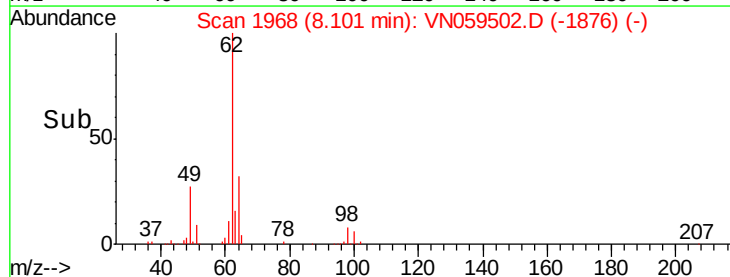
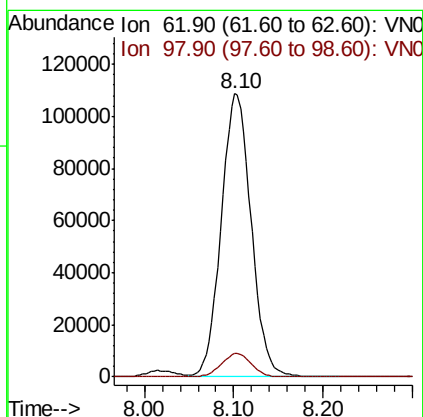
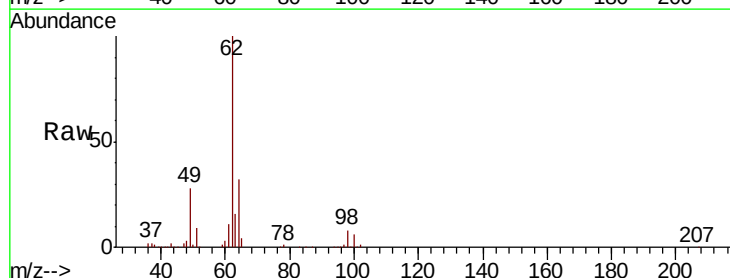
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

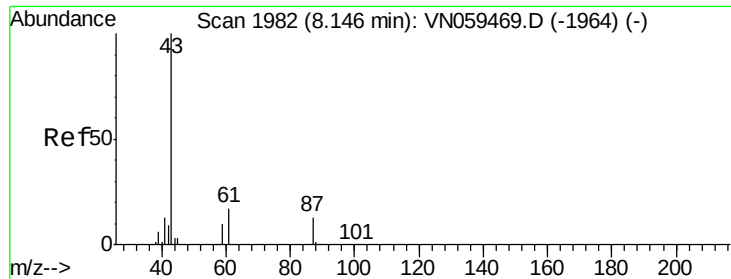
Tot Ion:	41	Resp:	112714
Ion	Ratio	Lower	Upper
41	100		
39	58.5	0.0	0.0#
67	83.5	0.0	0.0#
52	35.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 44.735 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion:	62	Resp:	252717
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.8

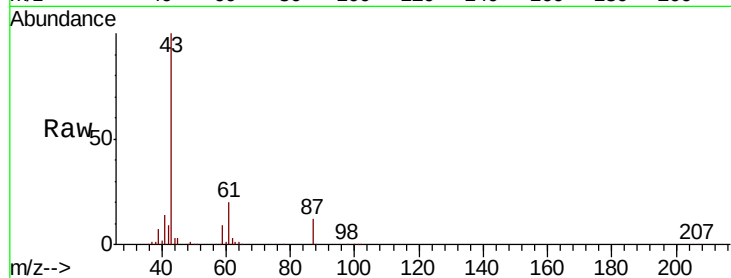




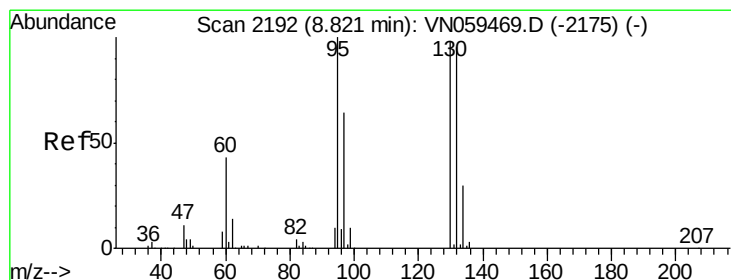
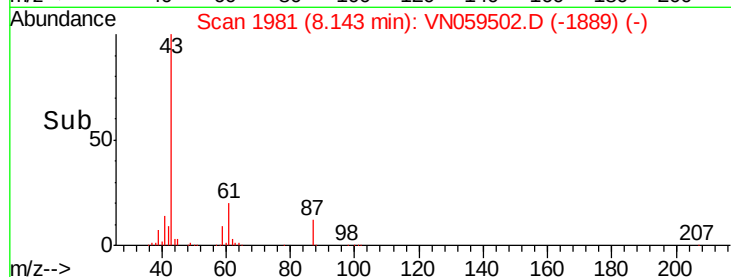
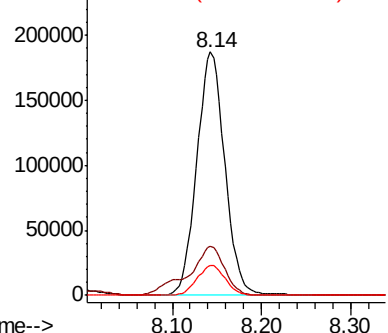
#43
Isopropyl Acetate
Concen: 42.887 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 404647
Ion Ratio Lower Upper
43 100
61 25.9 21.0 31.6
87 12.5 10.4 15.6

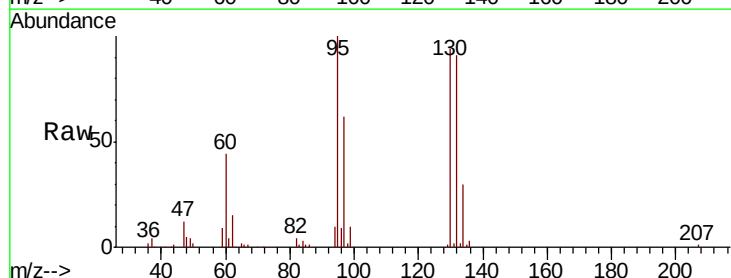


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

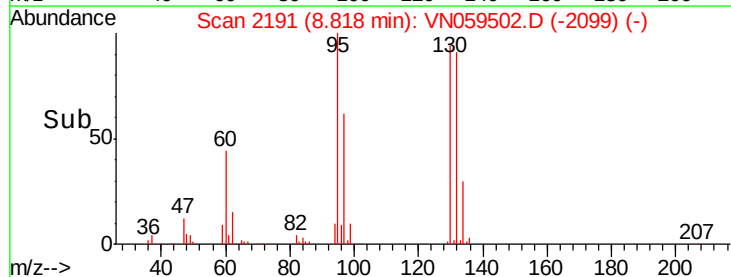
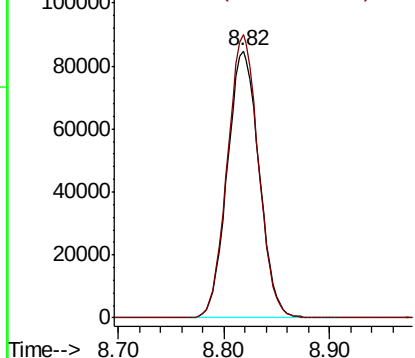


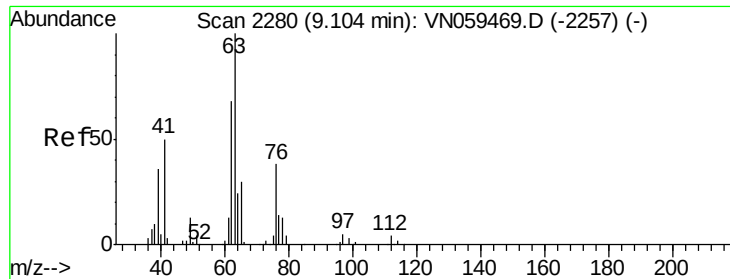
#44
Trichloroethene
Concen: 40.795 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion:130 Resp: 177296
Ion Ratio Lower Upper
130 100
95 106.0 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

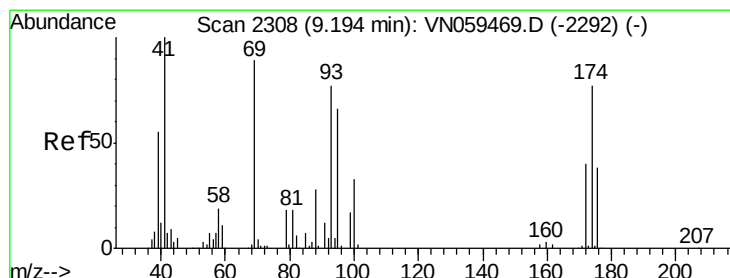
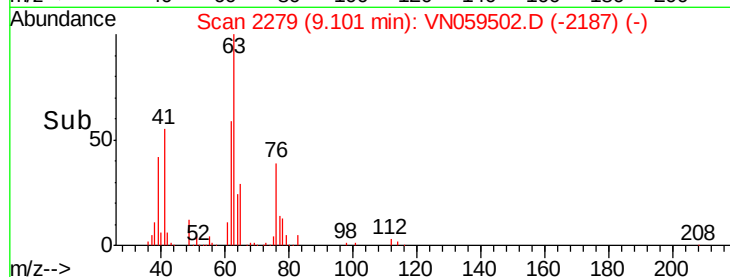
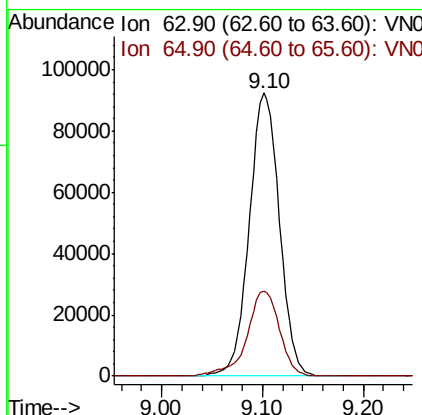
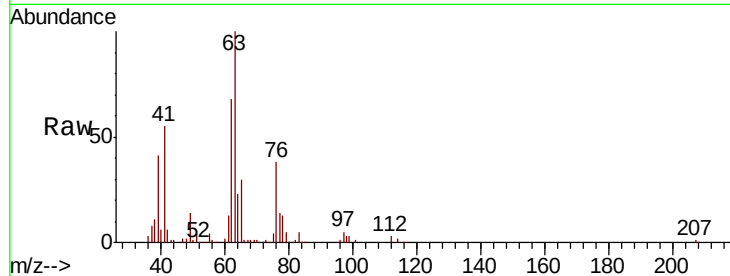




#45
 1,2-Dichloropropane
 Concen: 42.922 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

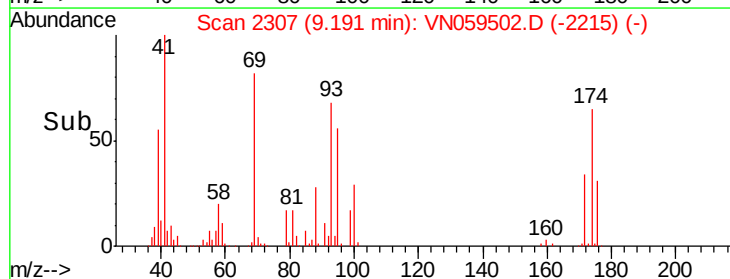
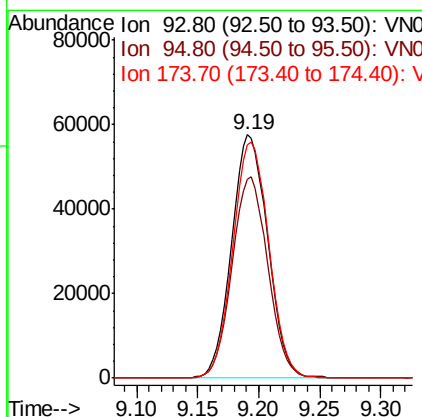
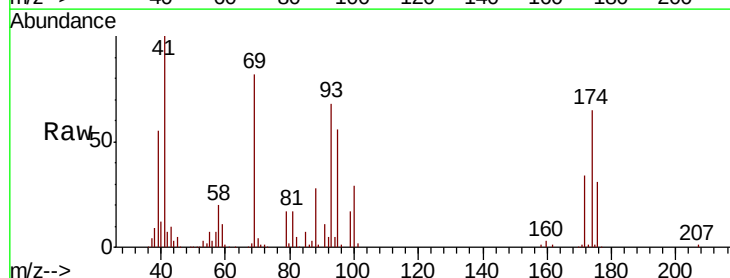
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

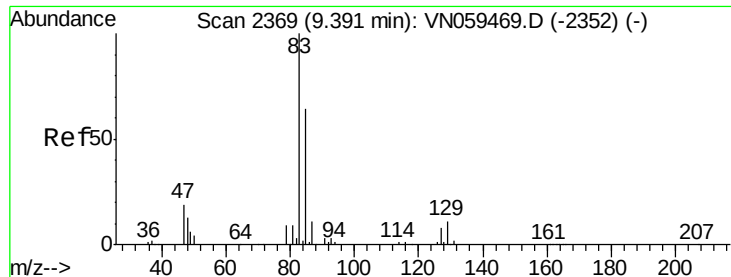
Tot Ion: 63 Resp: 190708
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6



#46
 Dibromomethane
 Concen: 42.878 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion: 93 Resp: 118612
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.0 100.6
 174 96.5 79.6 119.4

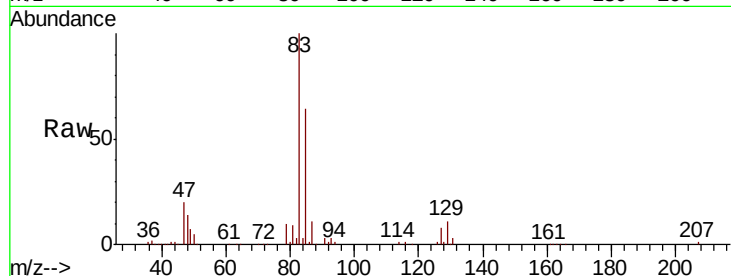




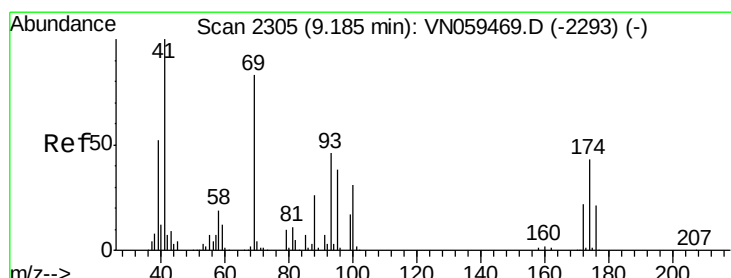
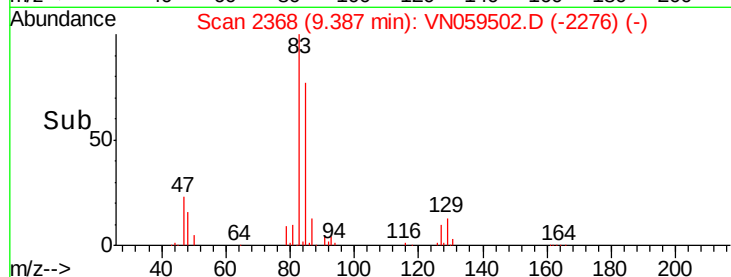
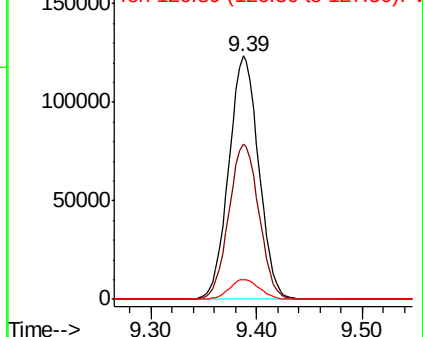
#47
Bromodichloromethane
Concen: 43.789 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 242879
Ion Ratio Lower Upper
83 100
85 63.7 51.0 76.6
127 8.2 6.6 9.8

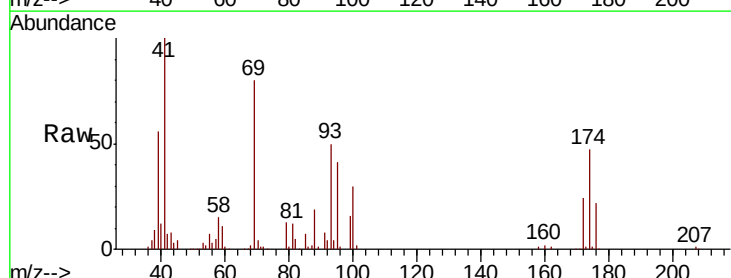


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

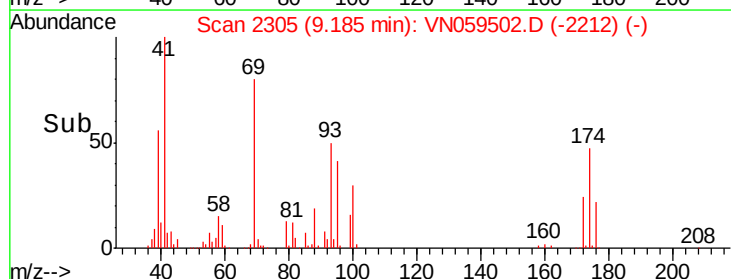
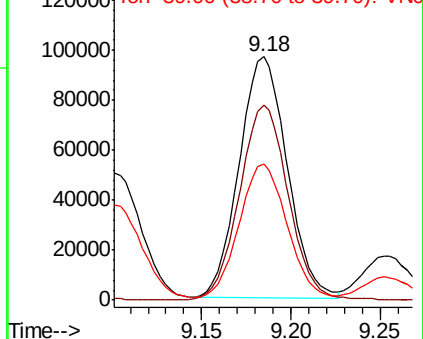


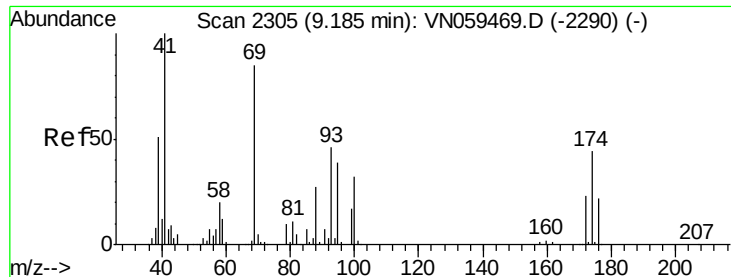
#48
Methyl methacrylate
Concen: 42.744 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 41 Resp: 181947
Ion Ratio Lower Upper
41 100
69 82.5 68.6 103.0
39 56.9 43.2 64.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 829.442 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

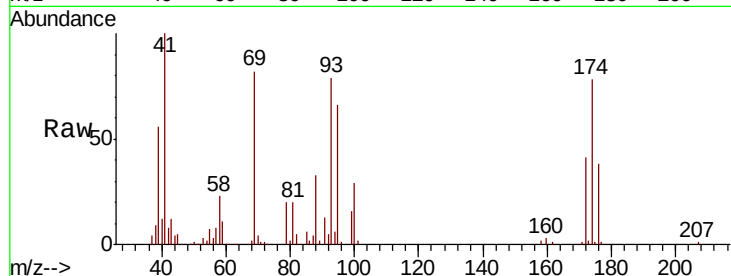
Tot Ion: 88 Resp: 53425

Ion Ratio Lower Upper

88 100

43 34.7 27.1 40.7

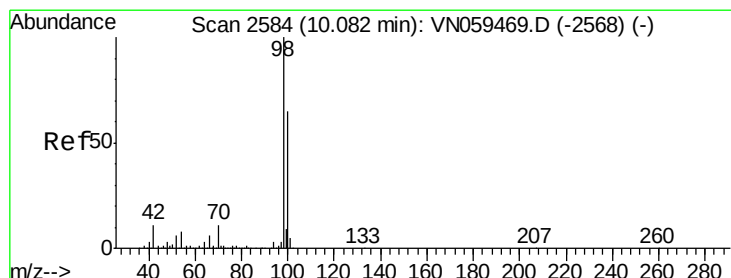
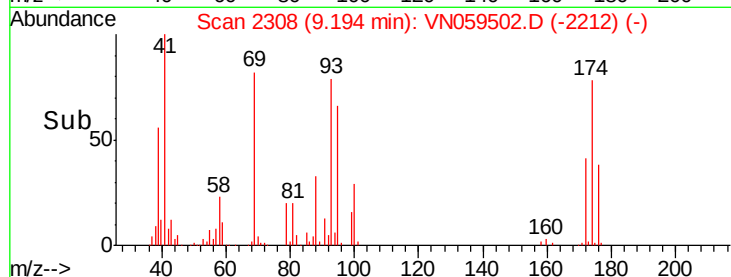
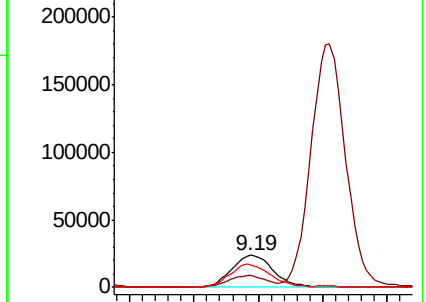
58 71.6 57.8 86.6



Abundance Ion 88.00 (87.70 to 88.70): VN059469.D (-2290) (-)

Ion 43.00 (42.70 to 43.70): VN059469.D (-2290) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-2290) (-)



#50

Toluene-d8

Concen: 48.701 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059502.D

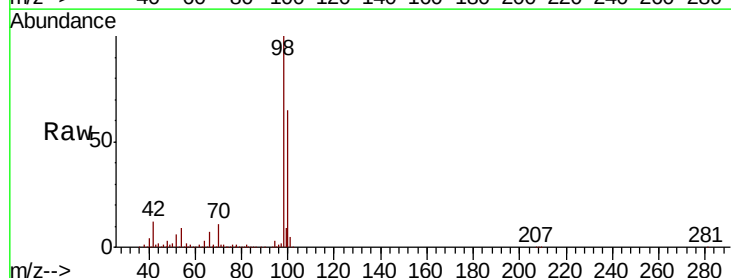
Acq: 5 Dec 2019 16:42

Tgt Ion: 98 Resp: 652675

Ion Ratio Lower Upper

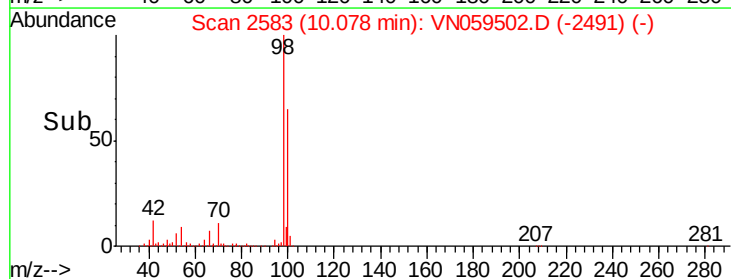
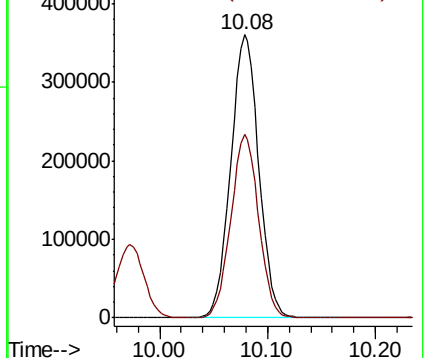
98 100

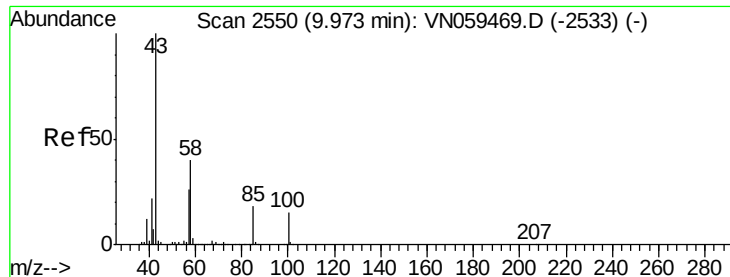
100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VN059469.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN059469.D (-2568) (-)

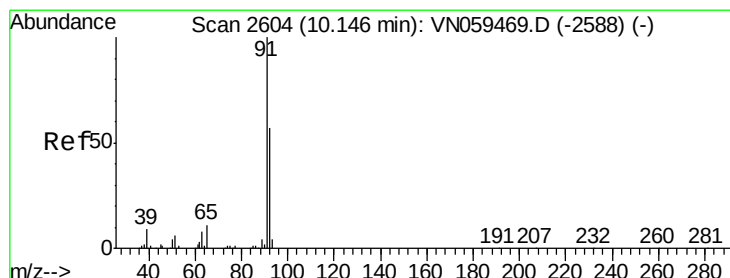
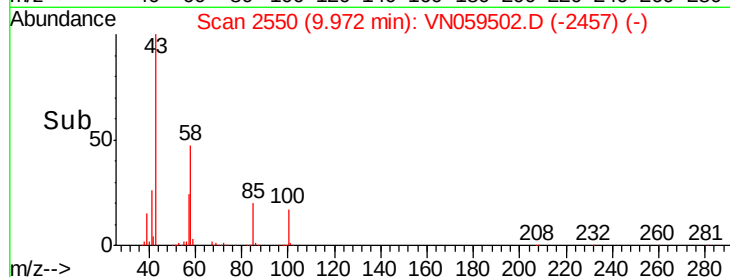
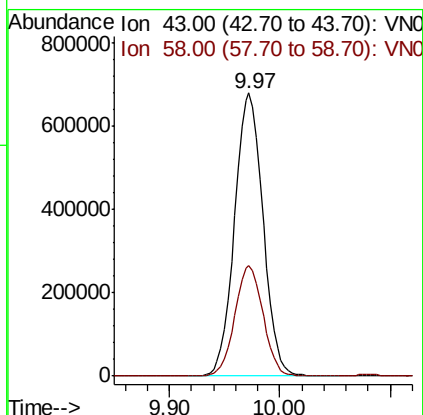
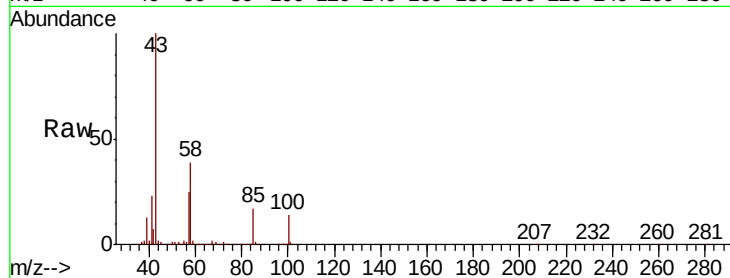




#51
 4-Methyl-2-Pentanone
 Concen: 217.167 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

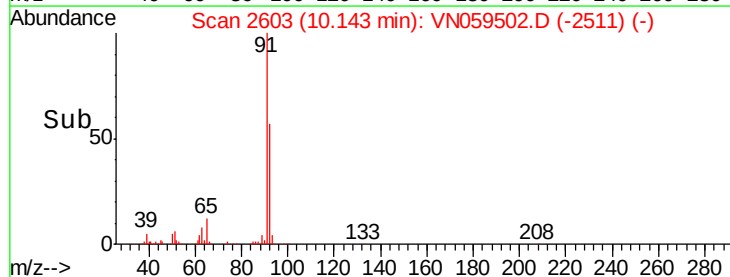
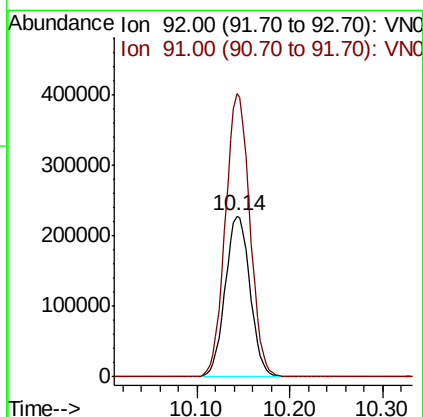
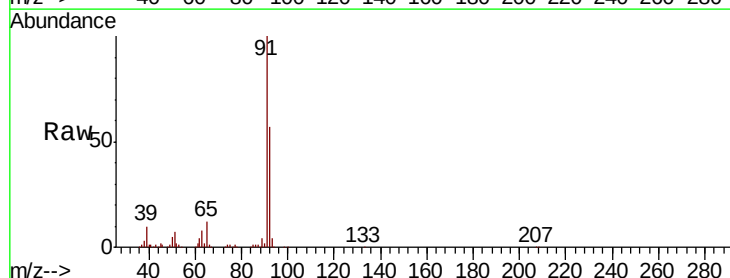
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

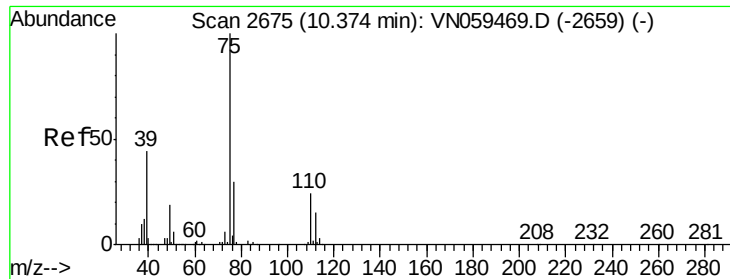
Tot Ion: 43 Resp: 1216254
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.1 48.1



#52
 Toluene
 Concen: 42.084 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion: 92 Resp: 423289
 Ion Ratio Lower Upper
 92 100
 91 174.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 42.944 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

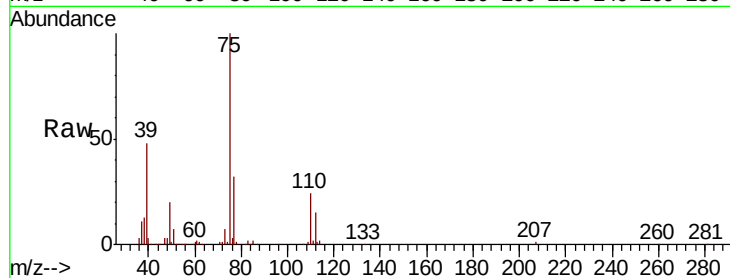
VSTDCCC050EC

Tot Ion: 75 Resp: 280279

Ion Ratio Lower Upper

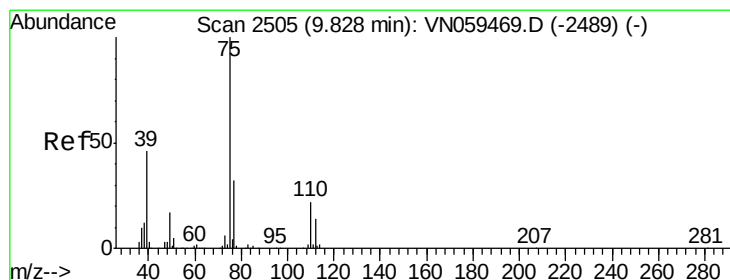
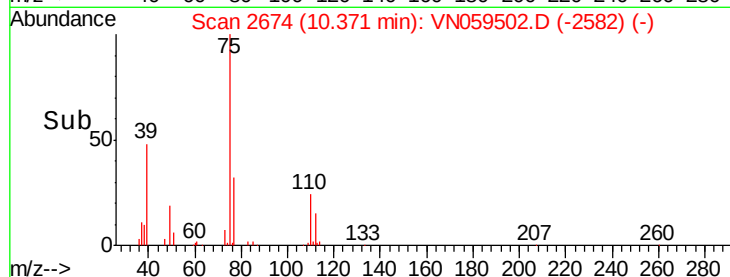
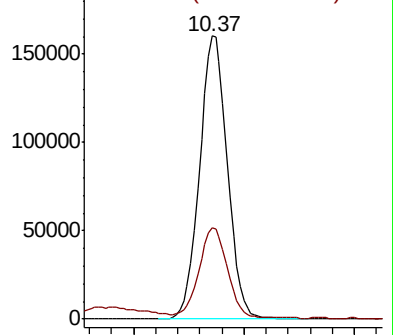
75 100

77 32.0 25.0 37.6



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: 43.519 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

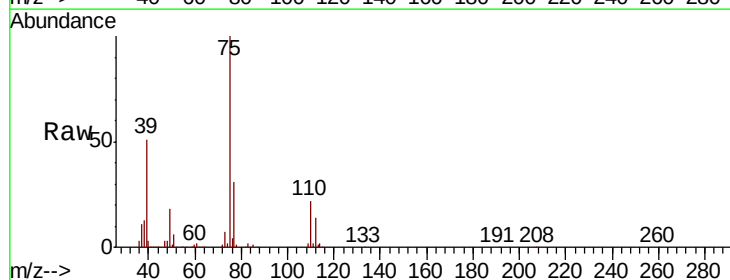
Tgt Ion: 75 Resp: 301055

Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5

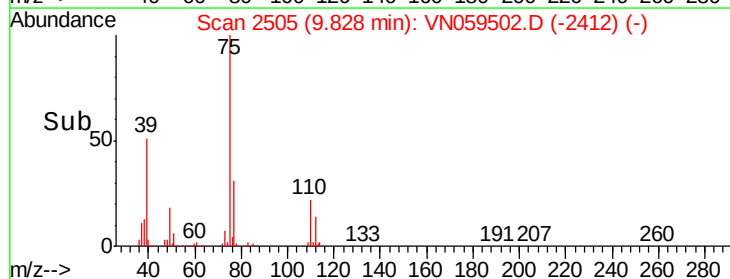
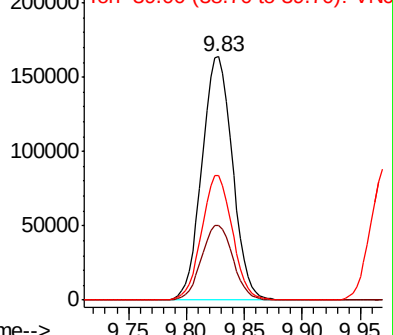
39 50.8 36.6 54.8

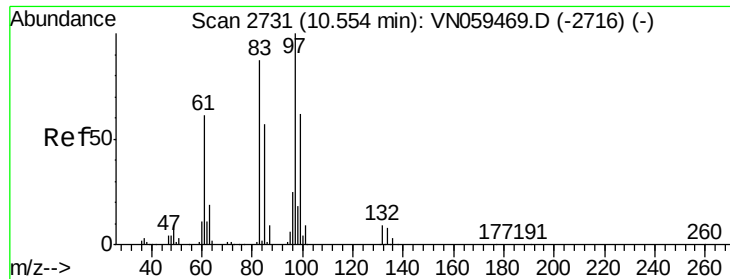


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

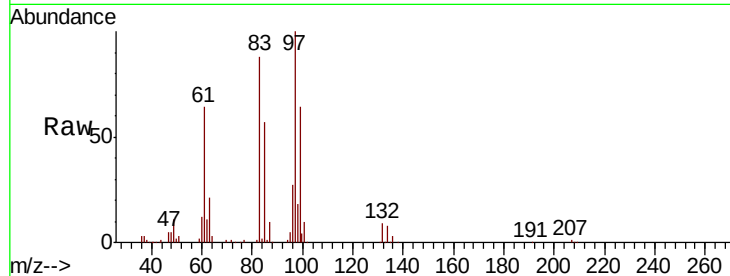




#55
 1,1,2-Trichloroethane
 Concen: 42.013 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	166582
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.8
85	56.8	45.5	68.3
99	63.9	50.0	75.0



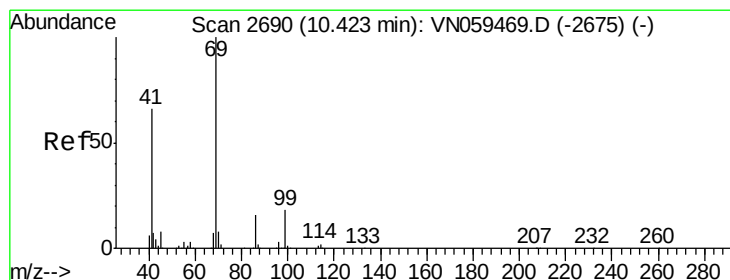
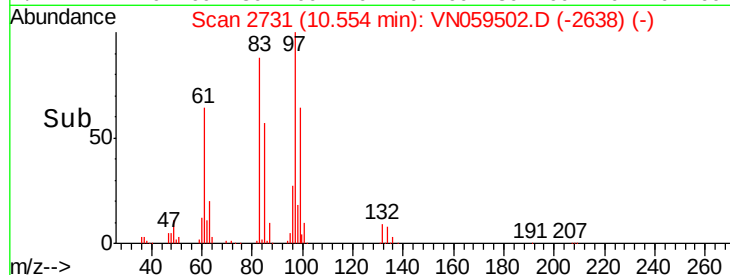
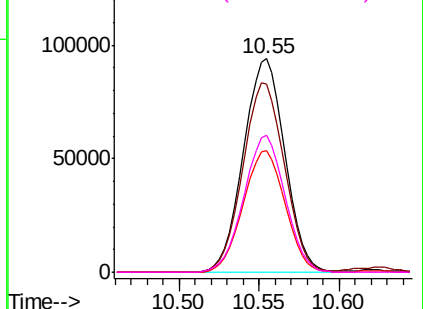
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

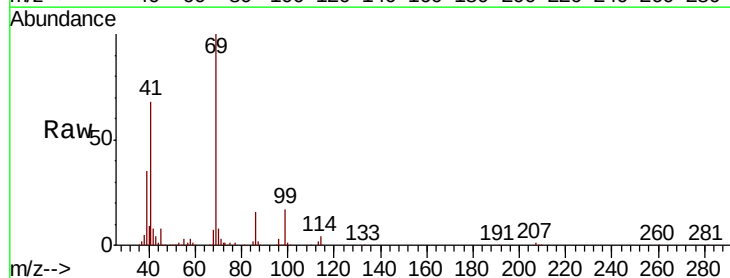
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 40.204 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion:	69	Resp:	256196
Ion	Ratio	Lower	Upper
69	100		
41	67.8	52.7	79.1
39	35.9	25.0	37.6

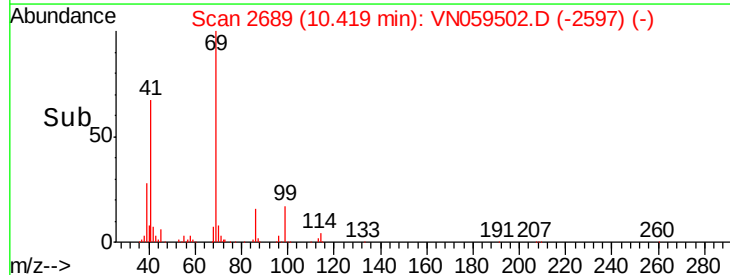
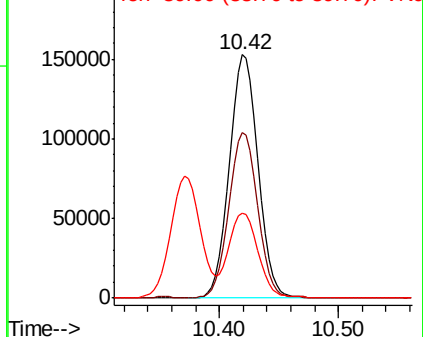


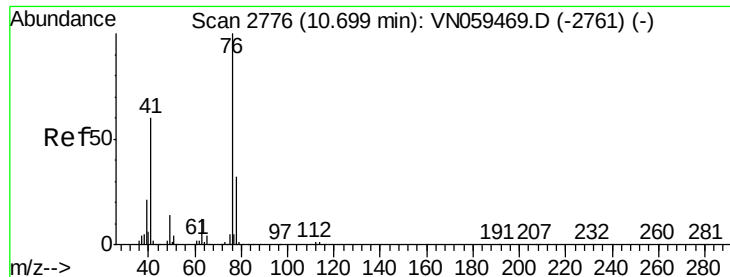
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 42.787 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

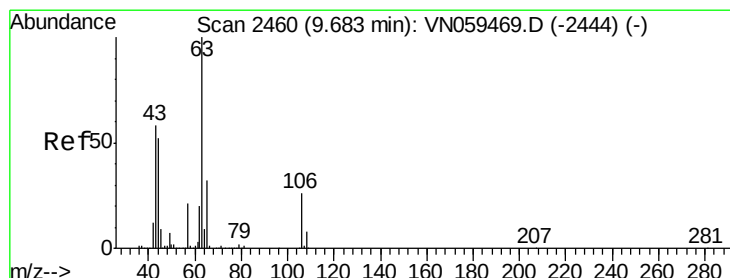
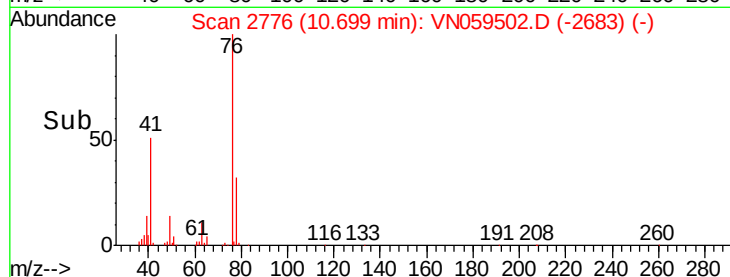
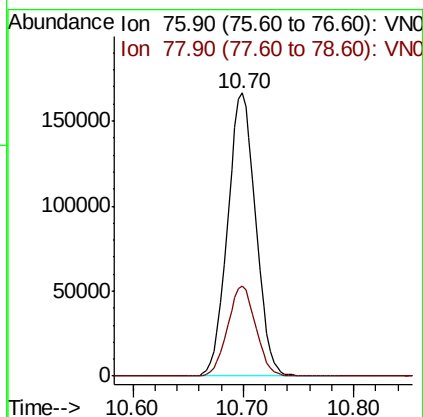
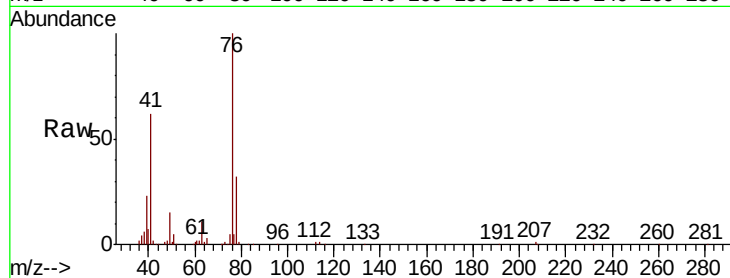
VSTDCCC050EC

Tot Ion: 76 Resp: 293379

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 185.559 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059502.D

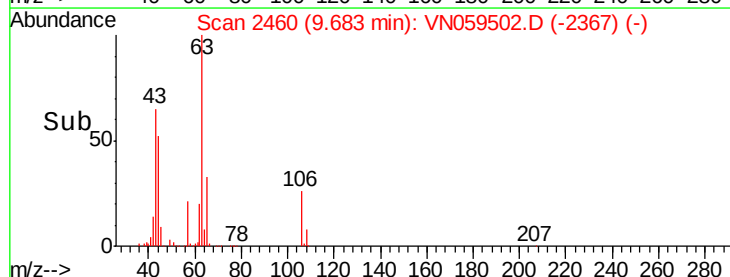
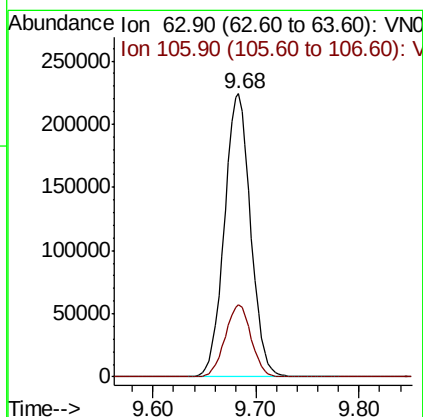
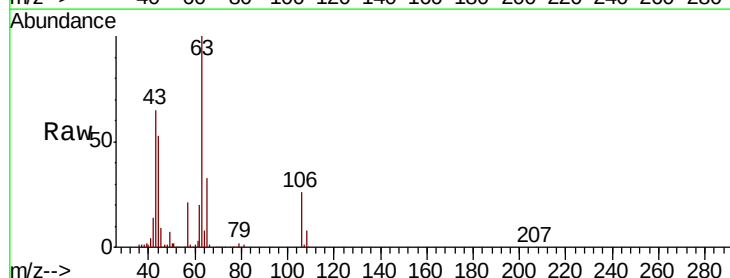
Acq: 5 Dec 2019 16:42

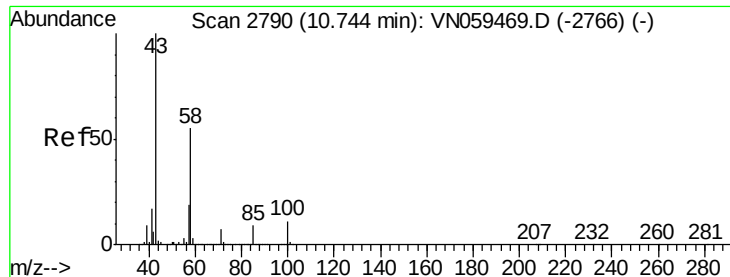
Tgt Ion: 63 Resp: 396714

Ion Ratio Lower Upper

63 100

106 25.4 20.4 30.6

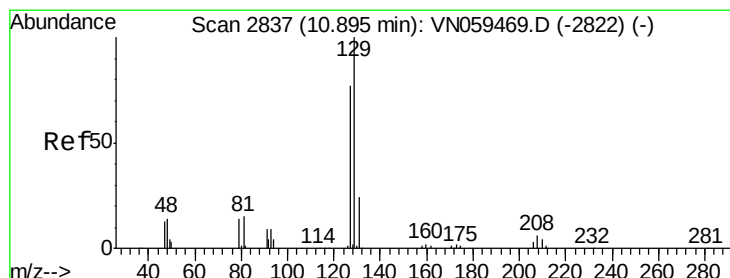
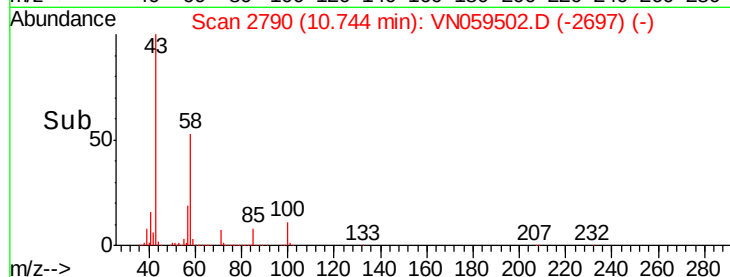
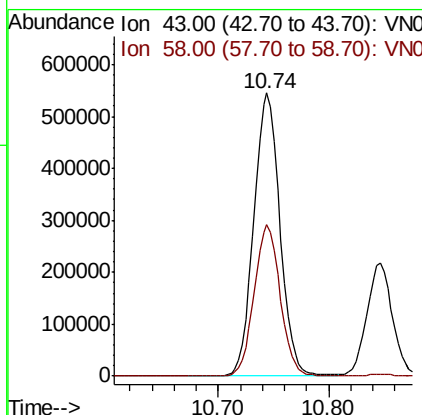
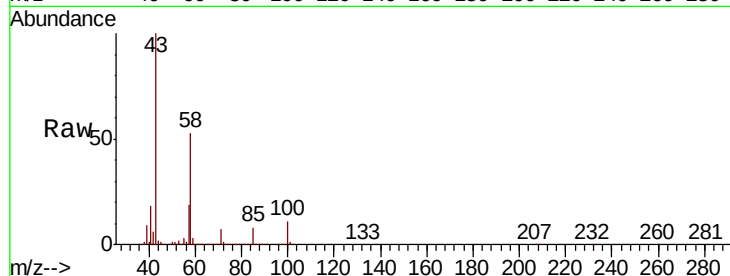




#59
2-Hexanone
Concen: 212.642 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

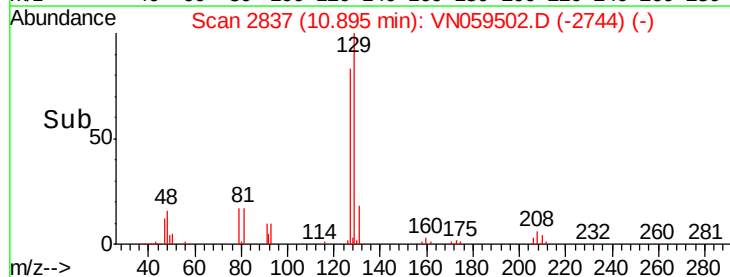
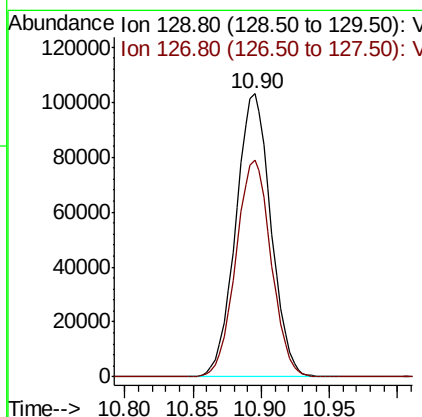
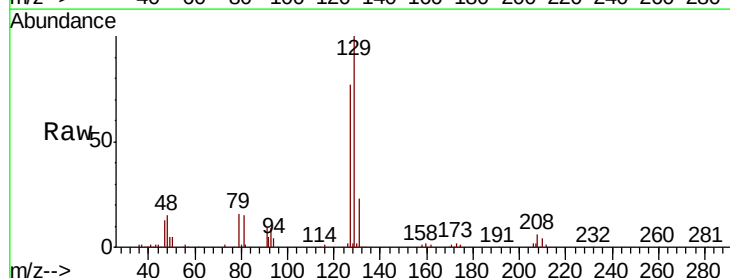
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

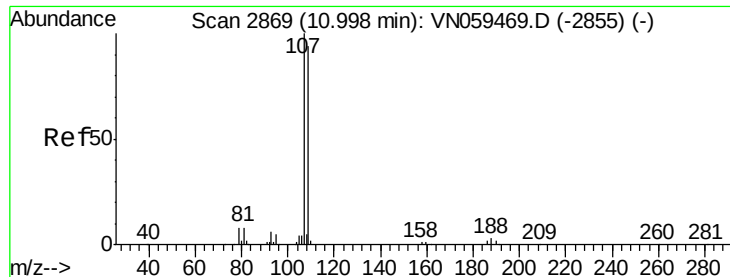
Tot Ion: 43 Resp: 896247
Ion Ratio Lower Upper
43 100
58 53.3 27.7 83.0



#60
Dibromochloromethane
Concen: 43.496 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 129 Resp: 184145
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9

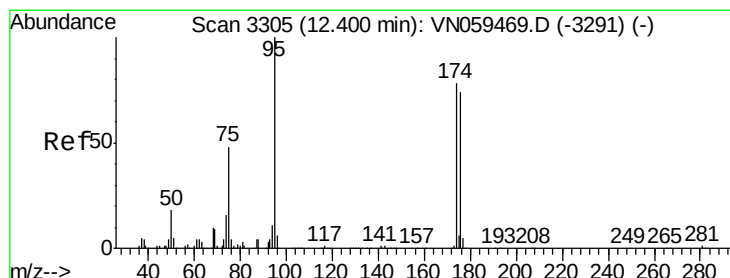
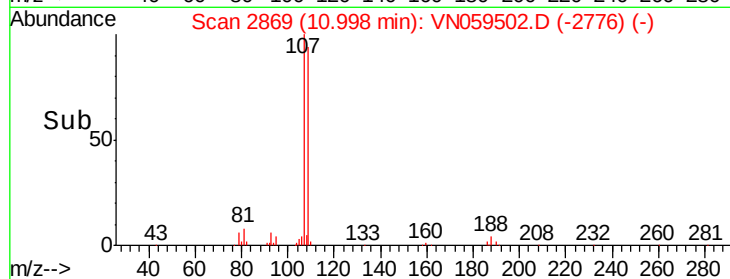
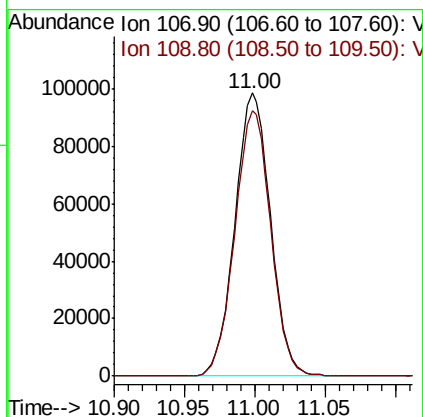
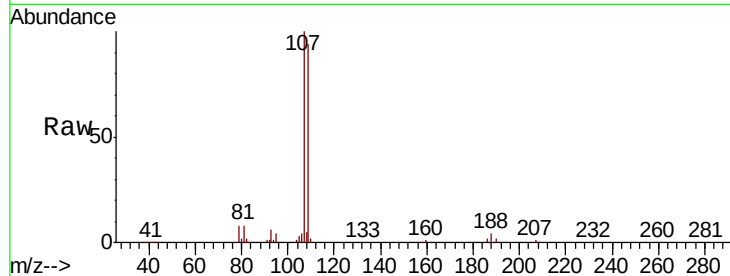




#61
 1,2-Dibromoethane
 Concen: 42.488 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

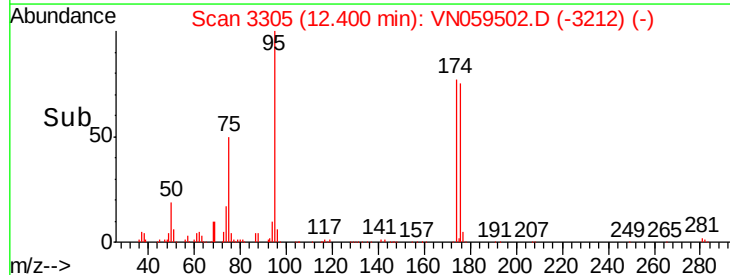
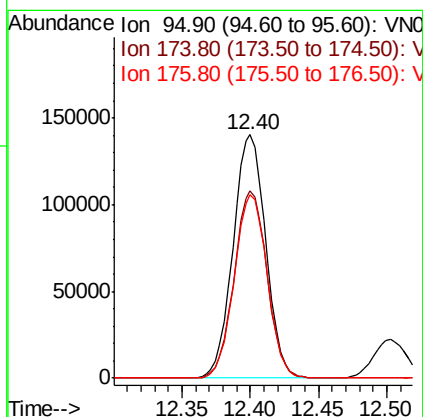
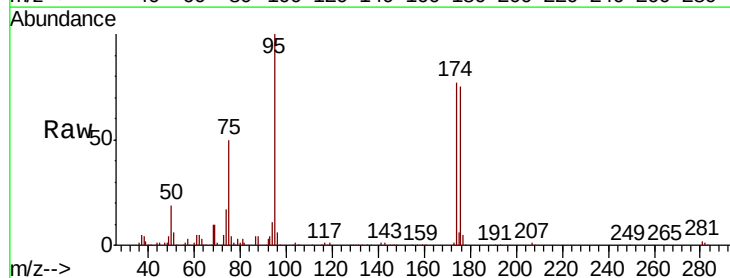
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

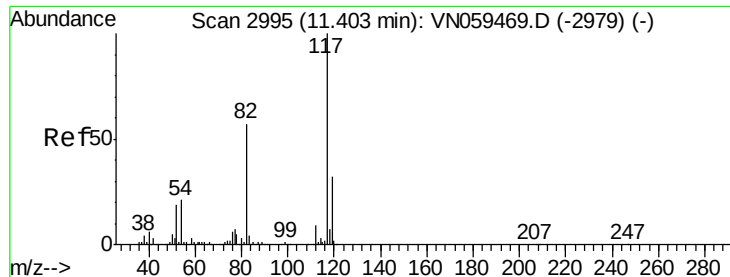
Tot Ion: 107 Resp: 174075
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.711 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion: 95 Resp: 232660
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 157.0
 176 76.0 0.0 152.4

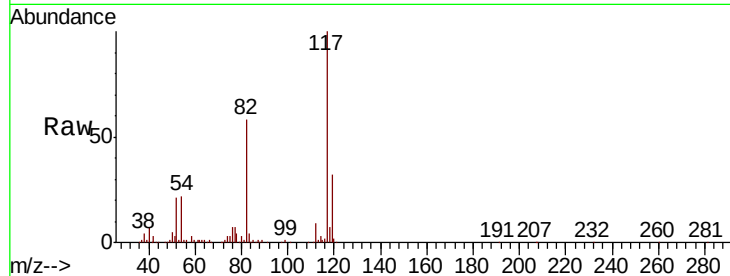




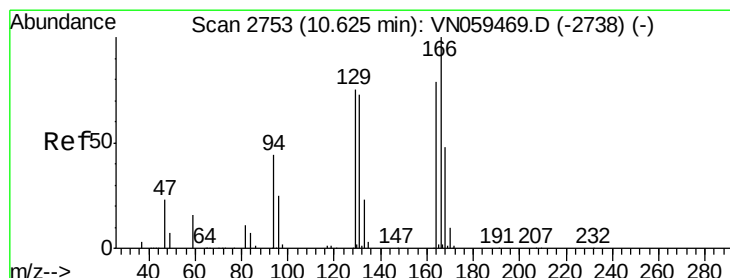
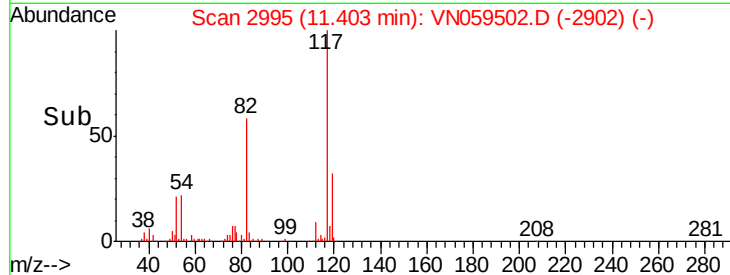
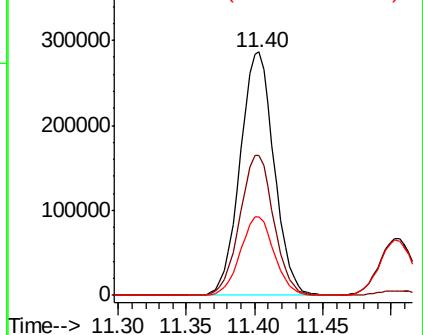
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 495080
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.8
119 32.5 25.4 38.0

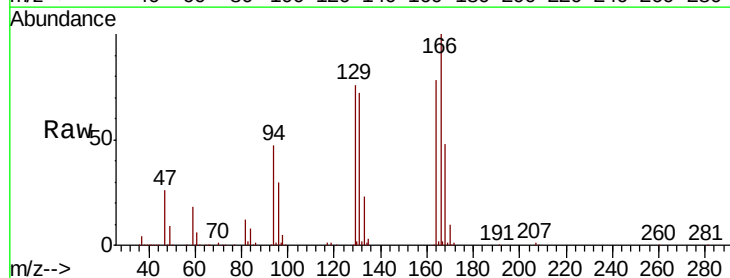


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

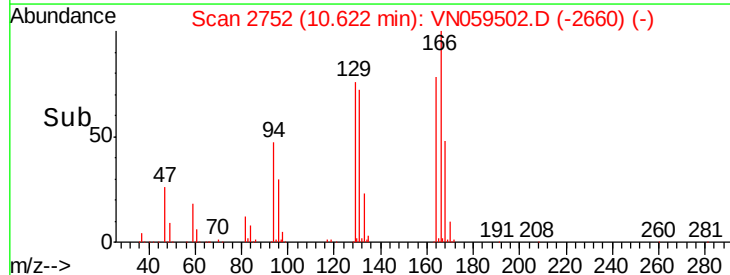
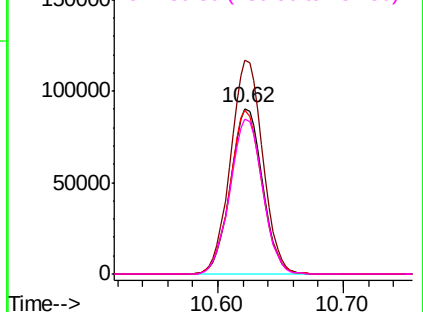


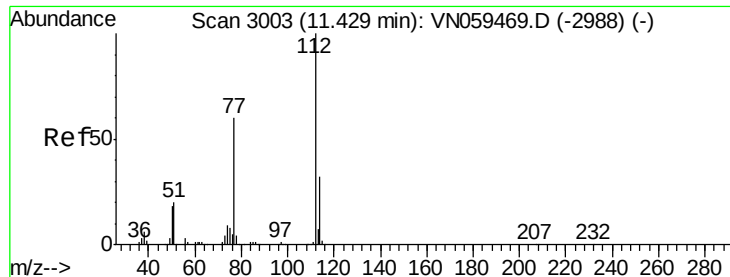
#64
Tetrachloroethene
Concen: 38.148 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion:164 Resp: 160649
Ion Ratio Lower Upper
164 100
166 129.0 101.2 151.8
129 98.6 76.1 114.1
131 93.4 73.7 110.5



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: 41.097 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

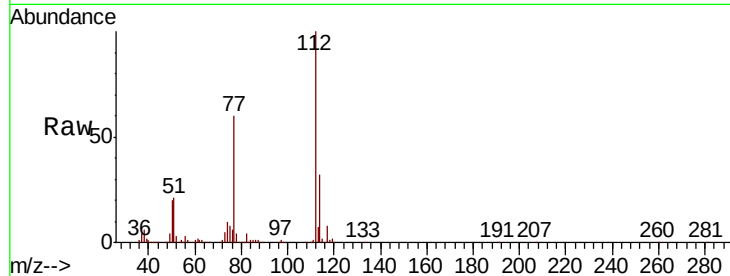
VSTDCCC050EC

Tot Ion:112 Resp: 444798

Ion Ratio Lower Upper

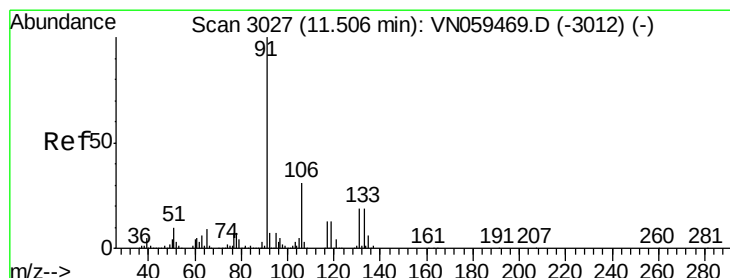
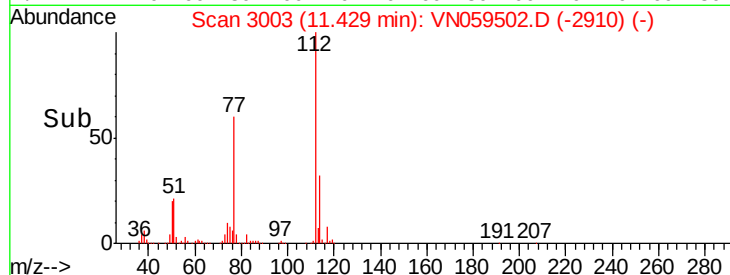
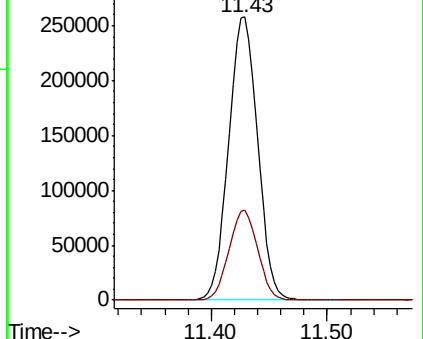
112 100

114 31.6 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 43.151 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

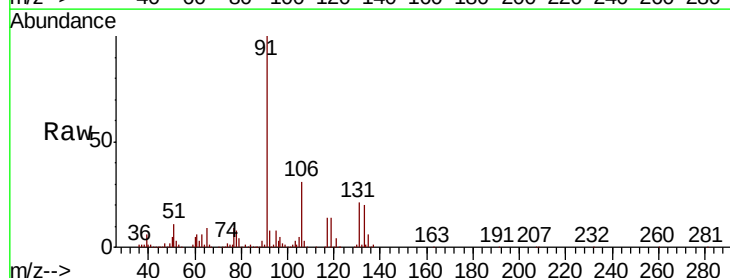
Tgt Ion:131 Resp: 167812

Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.0

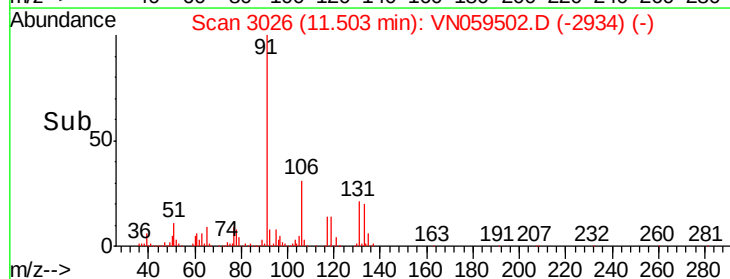
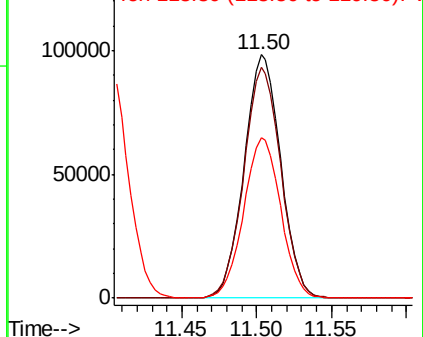
119 66.7 33.9 101.6

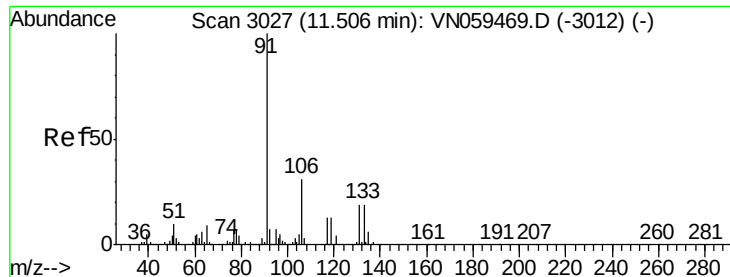


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

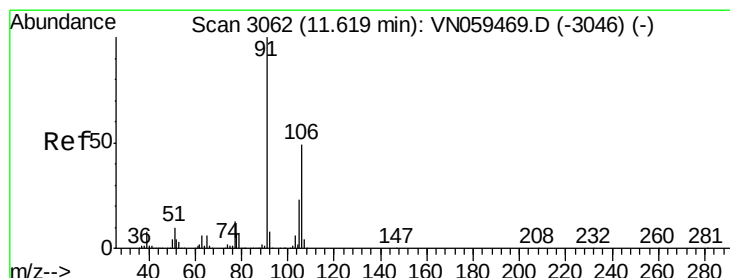
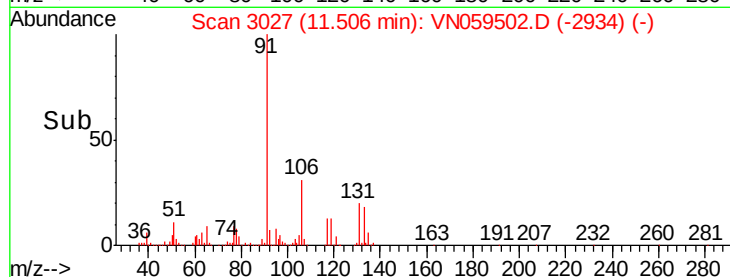
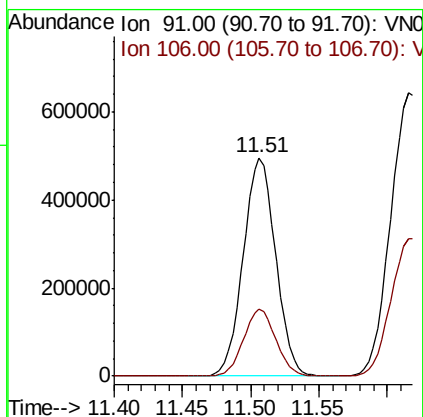
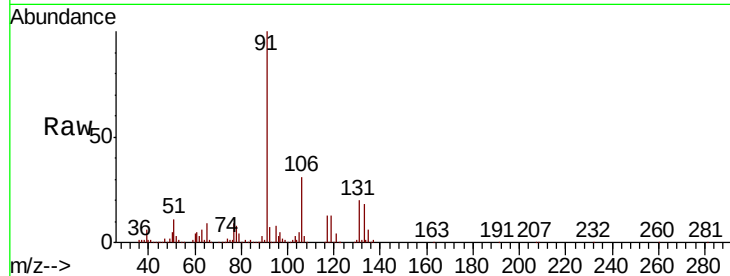




#67
Ethyl Benzene
Concen: 43.107 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

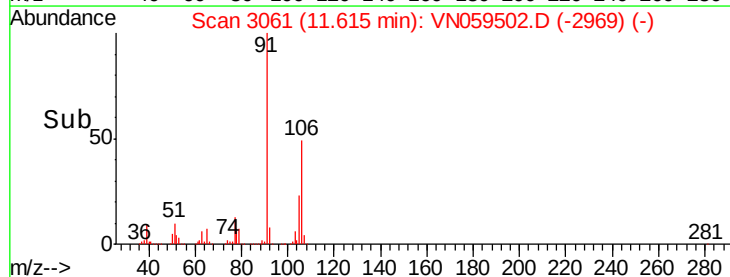
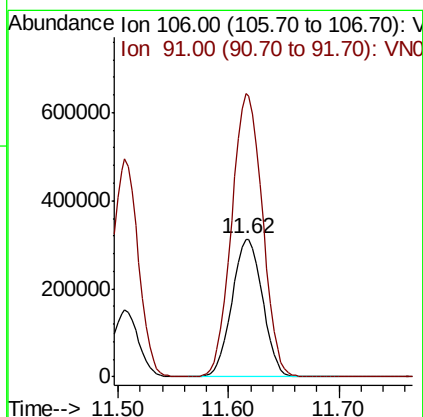
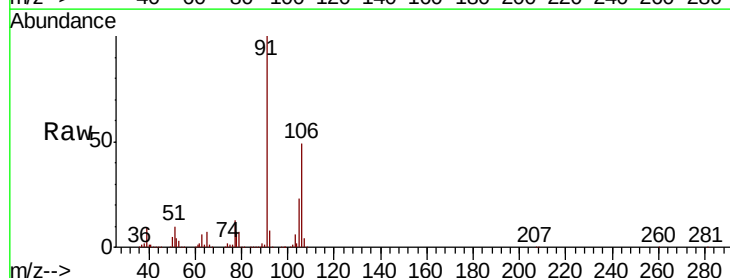
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

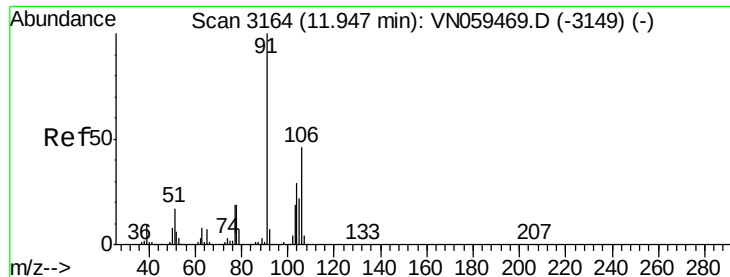
Tot Ion: 91 Resp: 817417
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 85.268 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 106 Resp: 602057
Ion Ratio Lower Upper
106 100
91 207.0 162.2 243.4

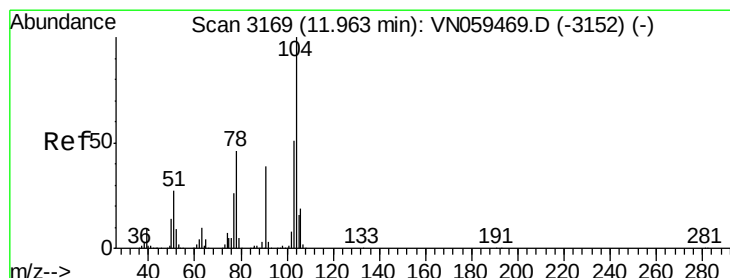
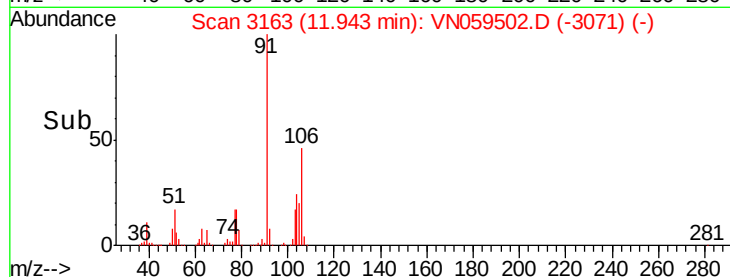
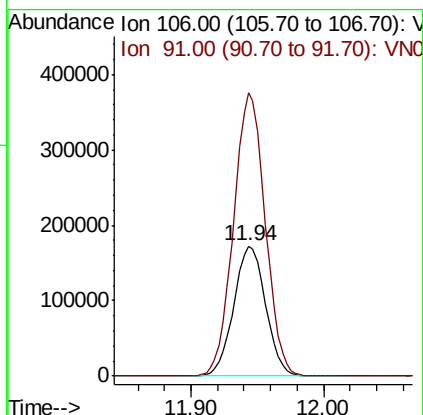
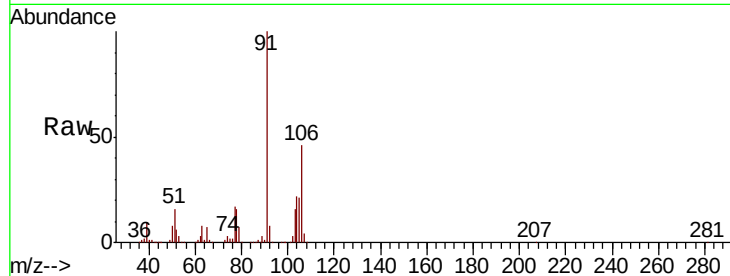




#69
o-Xylene
Concen: 42.821 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

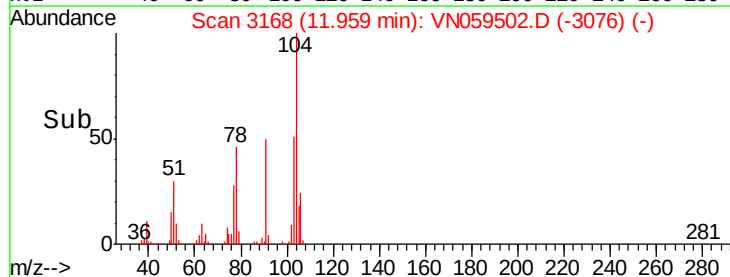
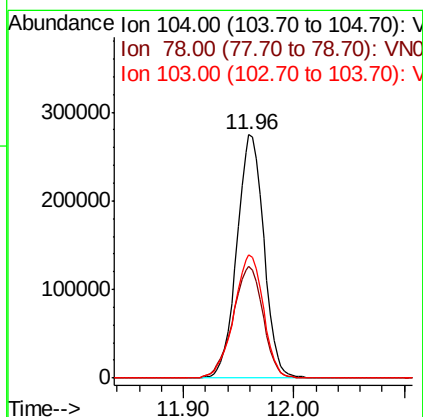
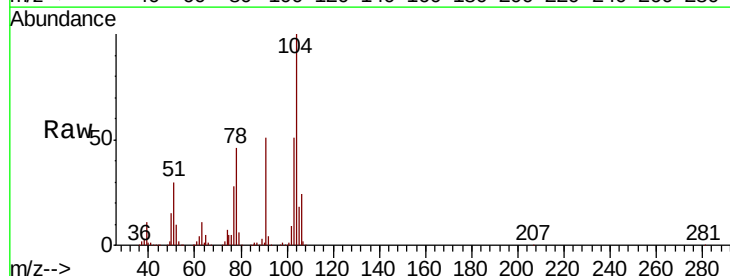
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

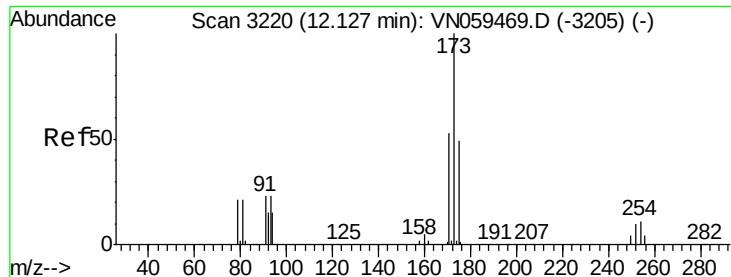
Tot Ion:106 Resp: 287846
Ion Ratio Lower Upper
106 100
91 216.5 108.5 325.3



#70
Styrene
Concen: 43.485 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion:104 Resp: 466631
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.4
103 55.2 44.7 67.1





#71

Bromoform

Concen: 42.703 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

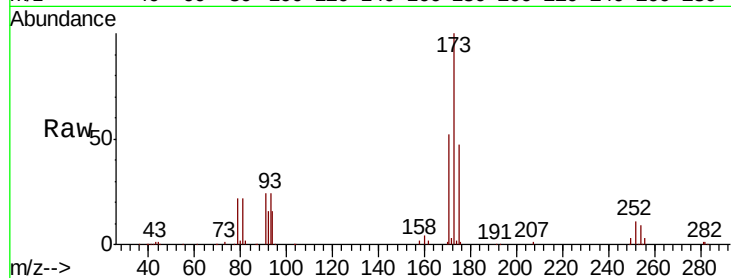
Tot Ion:173 Resp: 129447

Ion Ratio Lower Upper

173 100

175 48.6 24.3 73.0

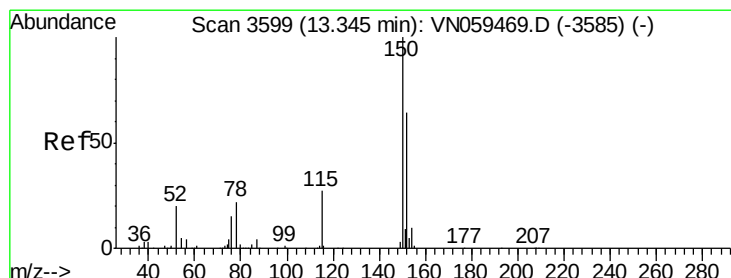
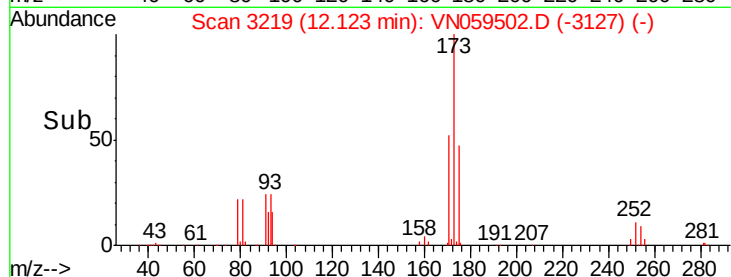
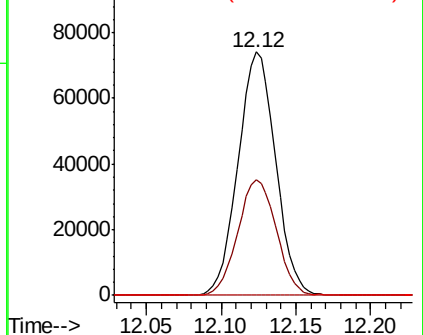
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

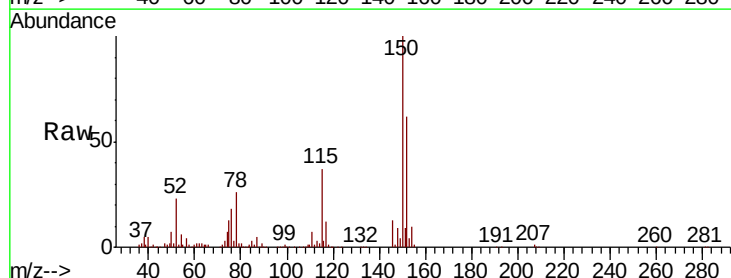
Tgt Ion:152 Resp: 231397

Ion Ratio Lower Upper

152 100

115 59.6 29.2 87.6

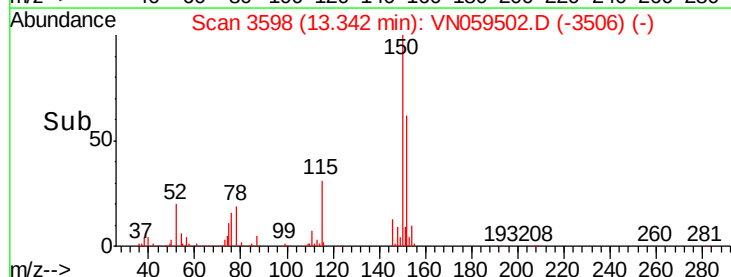
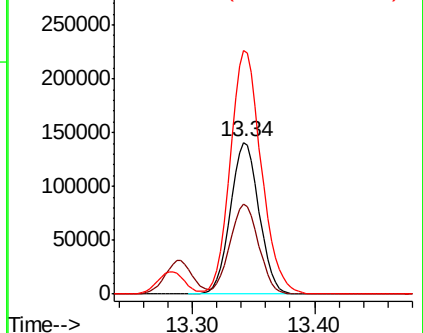
150 173.1 0.0 352.8

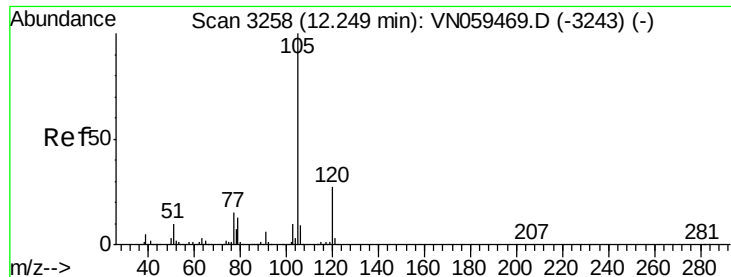


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 41.442 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

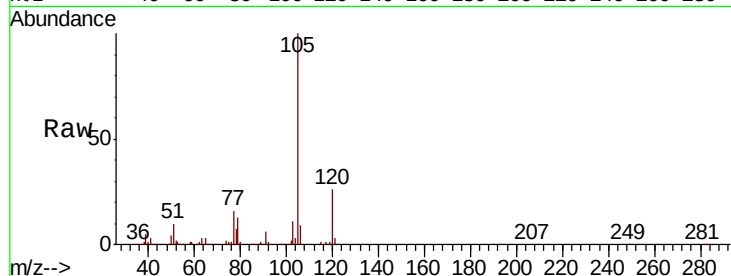
VSTDCCC050EC

Tot Ion: 105 Resp: 769051

Ion Ratio Lower Upper

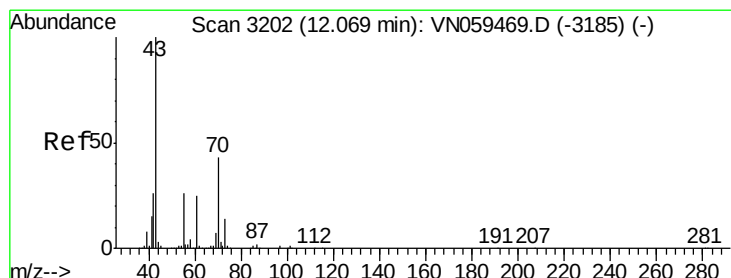
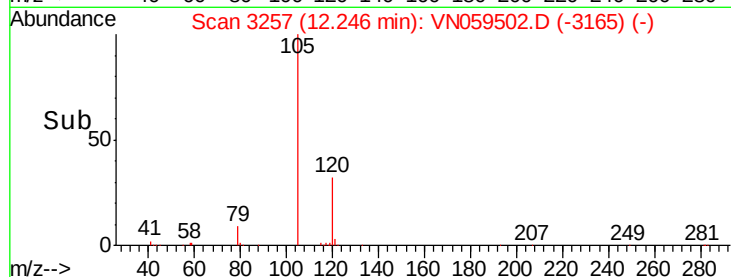
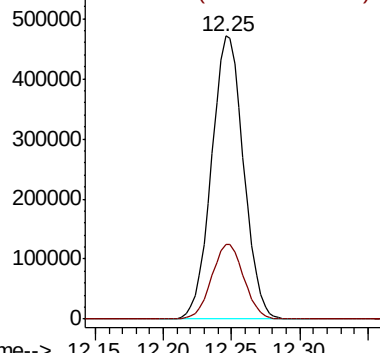
105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.387 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Tgt Ion: 43 Resp: 316831

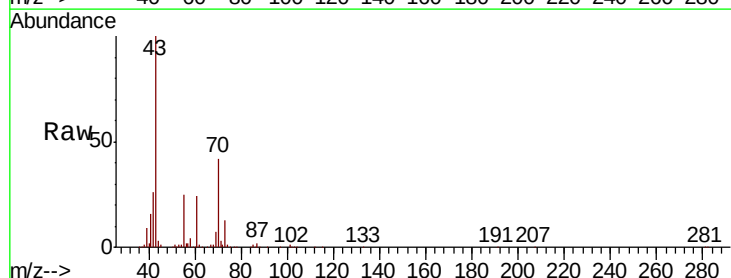
Ion Ratio Lower Upper

43 100

70 41.7 34.2 51.2

55 25.7 20.6 31.0

61 23.8 19.3 28.9

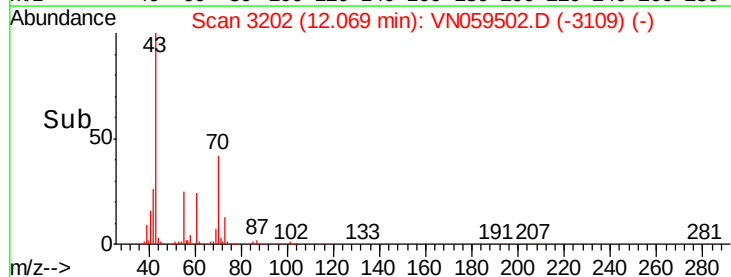
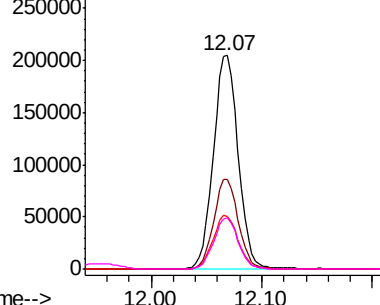


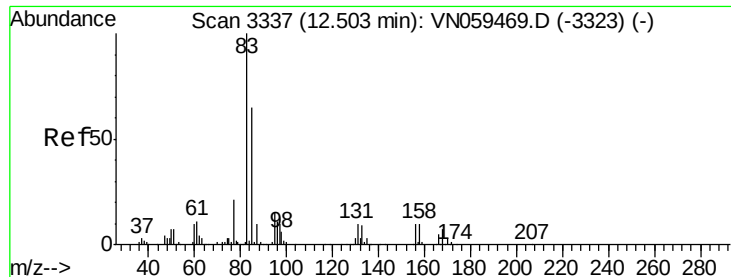
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 41.705 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

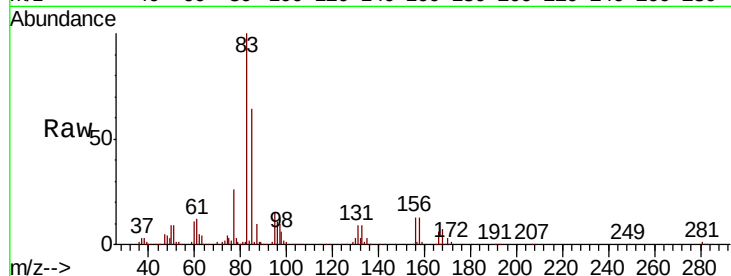
Tot Ion: 83 Resp: 248254

Ion Ratio Lower Upper

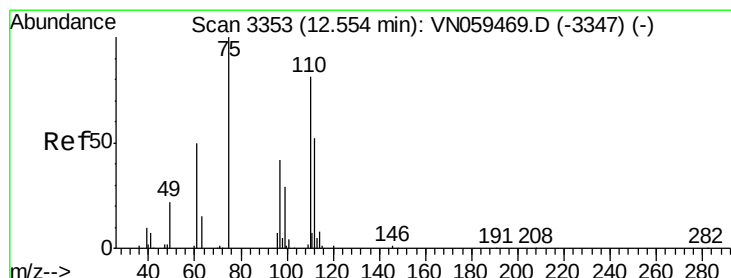
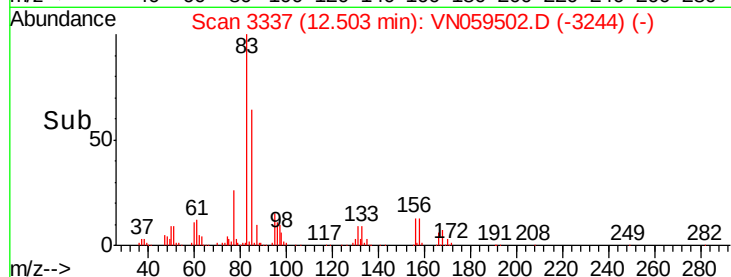
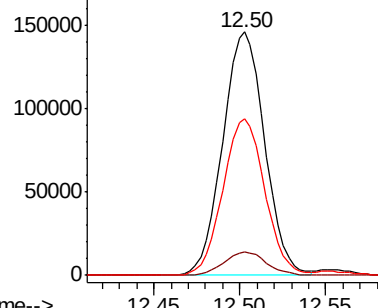
83 100

131 9.7 4.9 14.7

85 64.0 32.2 96.6



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



#76

1,2,3-Trichloropropane

Concen: 58.402 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059502.D

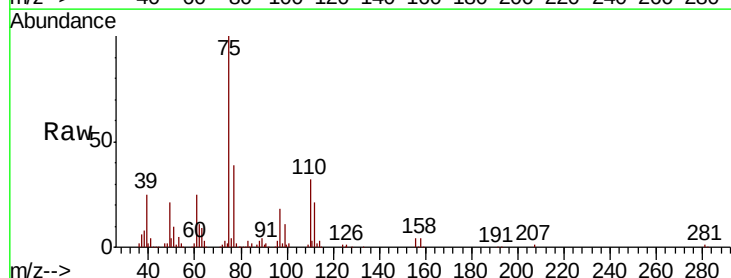
Acq: 5 Dec 2019 16:42

Tgt Ion: 75 Resp: 336016

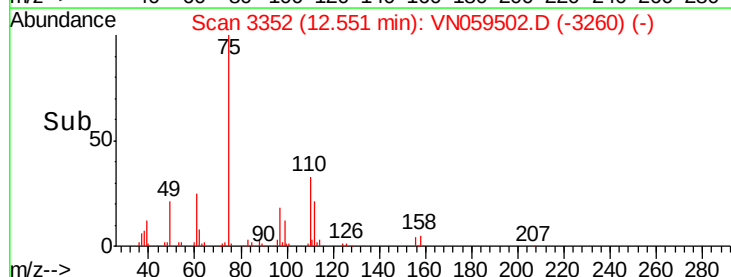
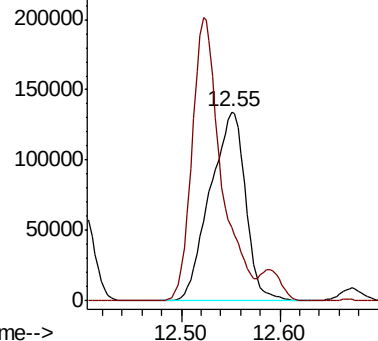
Ion Ratio Lower Upper

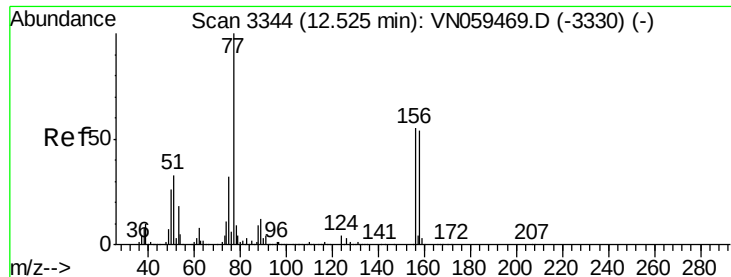
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 39.706 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

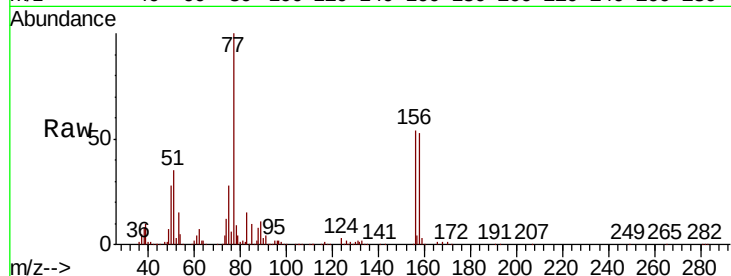
Tot Ion:156 Resp: 184130

Ion Ratio Lower Upper

156 100

77 226.5 110.3 331.0

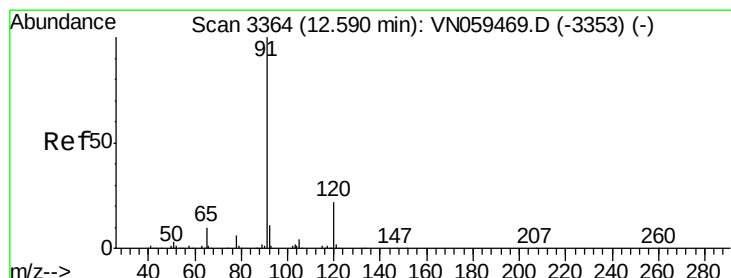
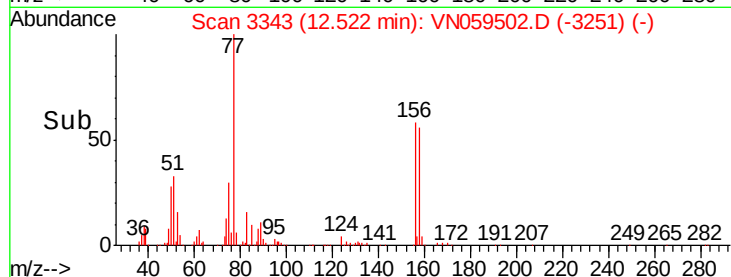
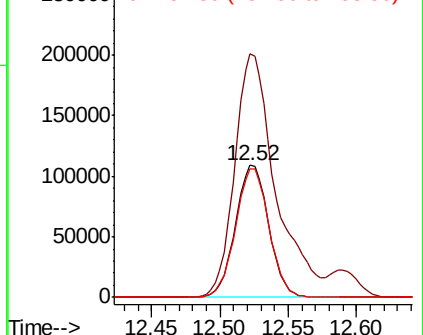
158 98.2 48.5 145.5



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: 42.745 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059502.D

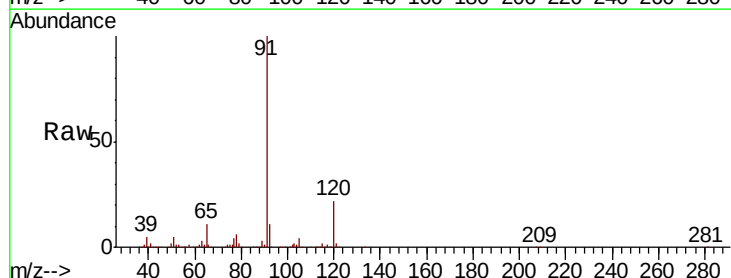
Acq: 5 Dec 2019 16:42

Tgt Ion: 91 Resp: 923112

Ion Ratio Lower Upper

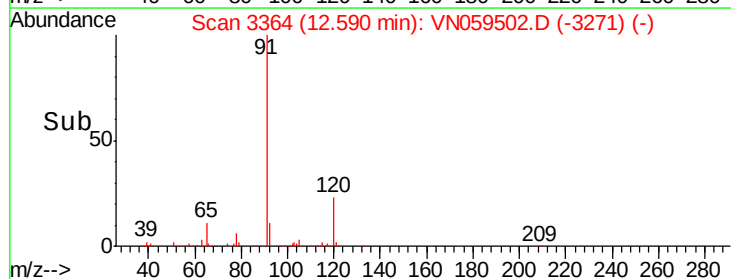
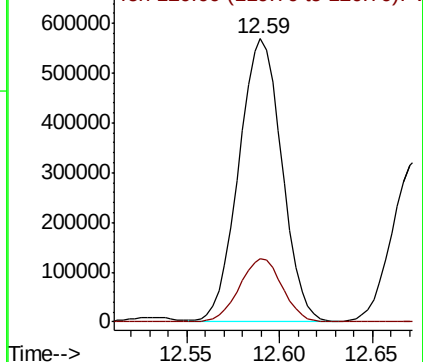
91 100

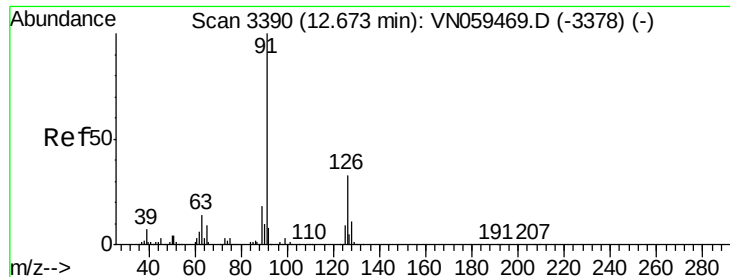
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.293 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

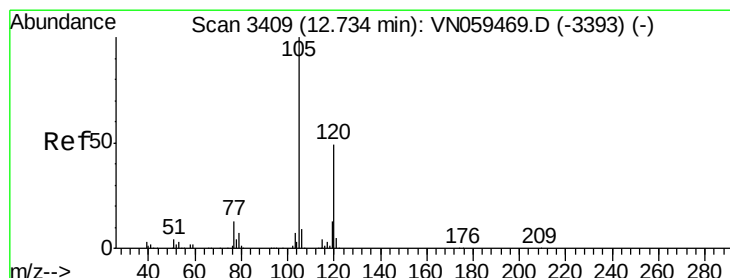
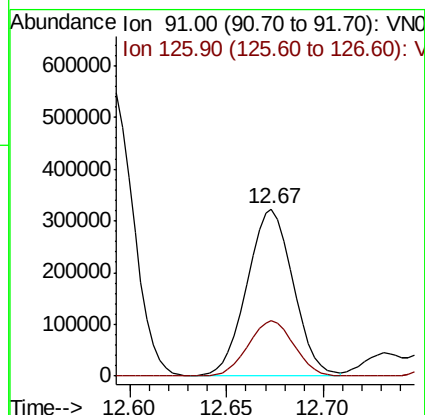
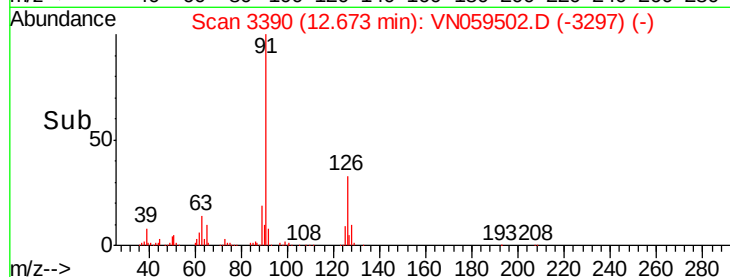
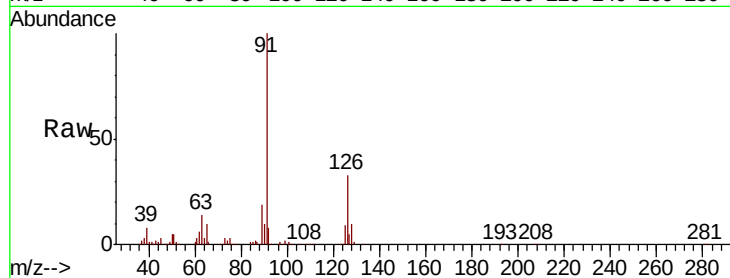
VSTDCCC050EC

Tot Ion: 91 Resp: 537563

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 41.977 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059502.D

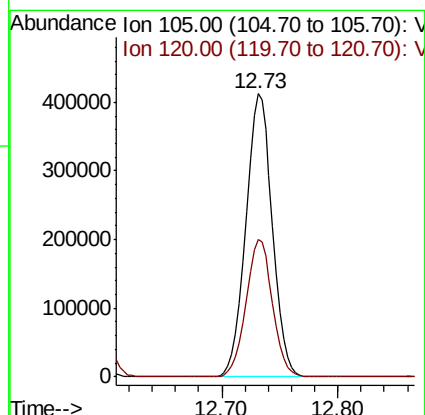
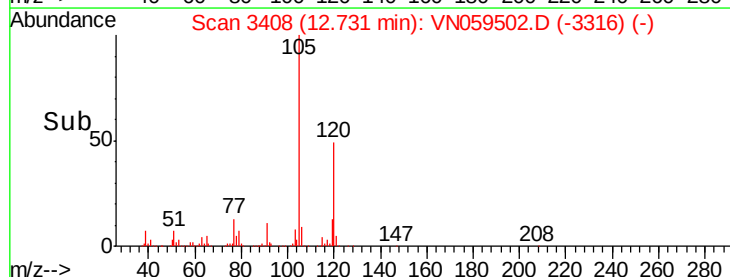
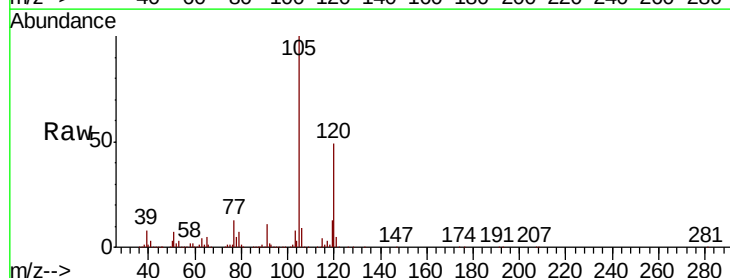
Acq: 5 Dec 2019 16:42

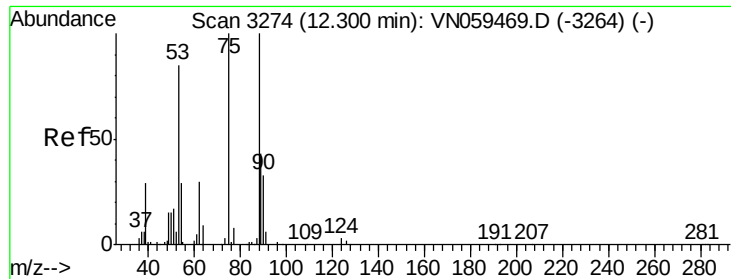
Tgt Ion: 105 Resp: 650982

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.408 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

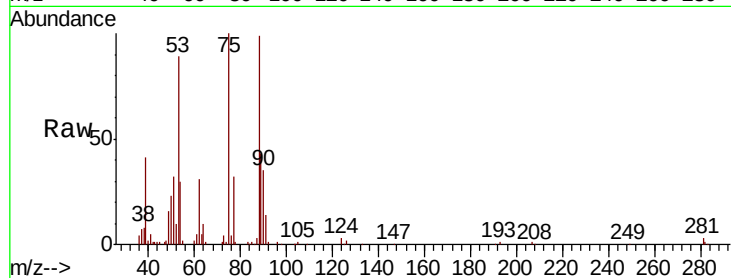
Tot Ion: 75 Resp: 90780

Ion Ratio Lower Upper

75 100

53 90.3 69.8 104.6

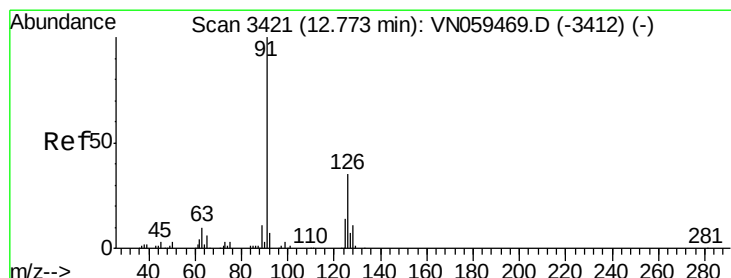
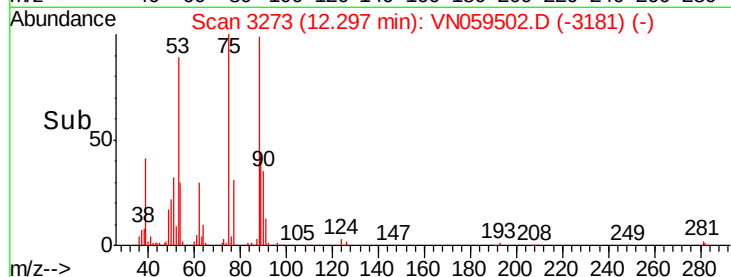
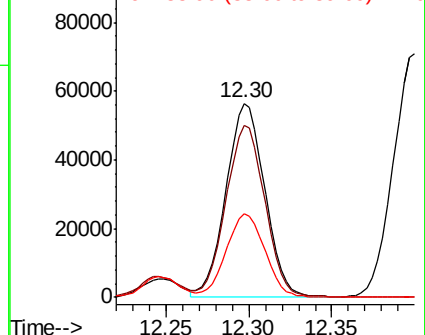
89 43.4 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 41.131 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059502.D

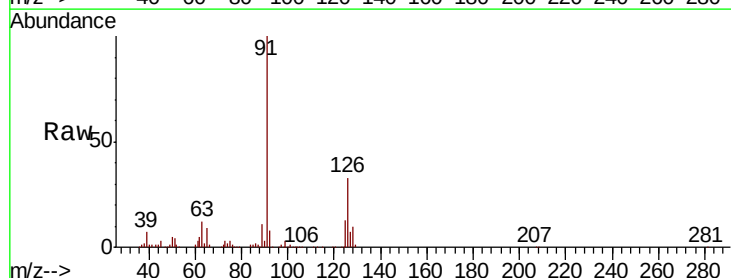
Acq: 5 Dec 2019 16:42

Tgt Ion: 91 Resp: 552455

Ion Ratio Lower Upper

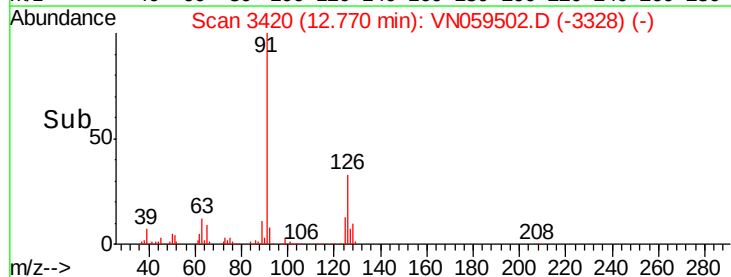
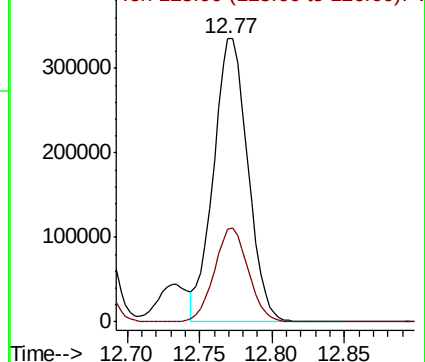
91 100

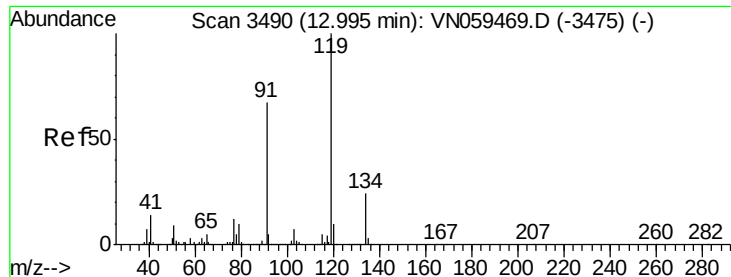
126 32.9 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 40.817 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

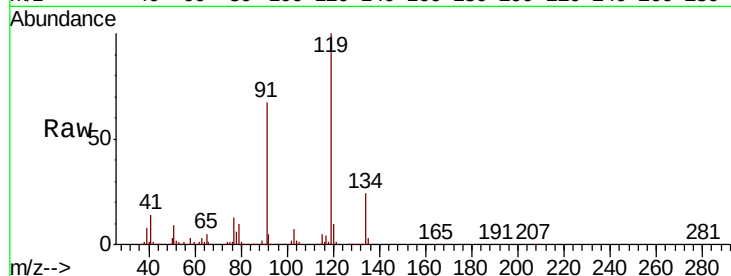
Tot Ion:119 Resp: 549553

Ion Ratio Lower Upper

119 100

91 66.6 32.6 97.7

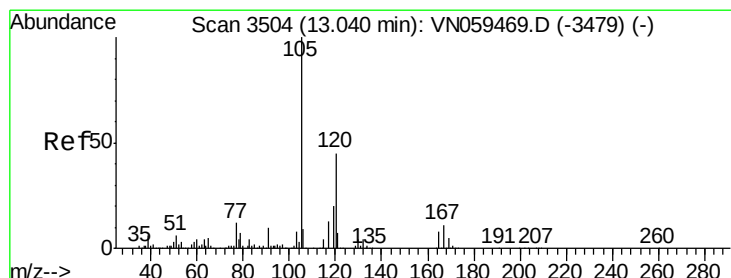
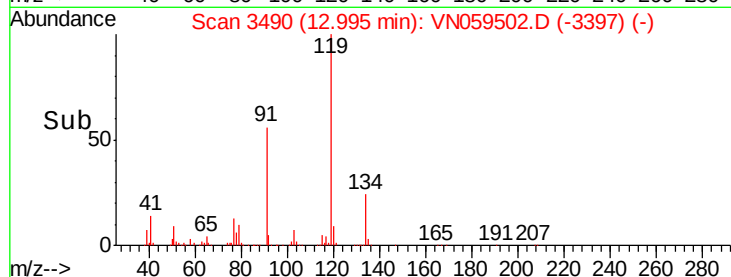
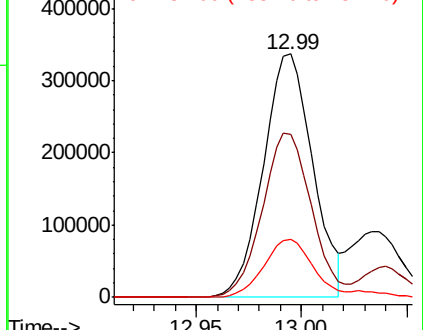
134 25.6 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 42.506 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059502.D

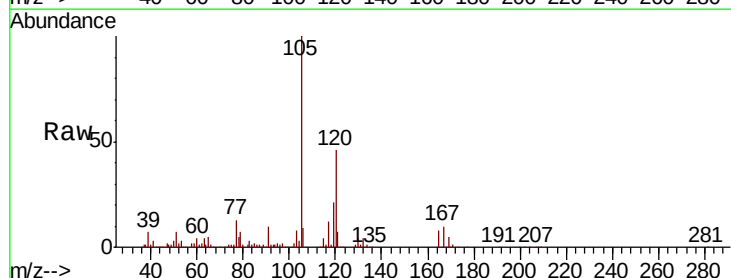
Acq: 5 Dec 2019 16:42

Tgt Ion:105 Resp: 644214

Ion Ratio Lower Upper

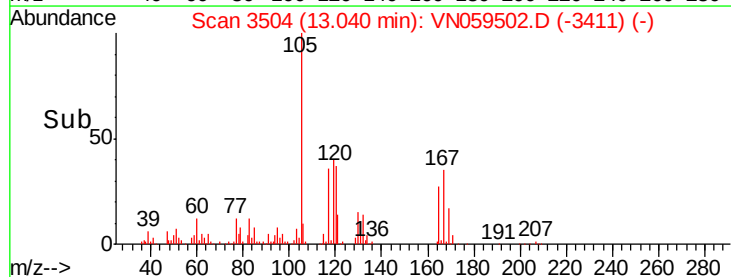
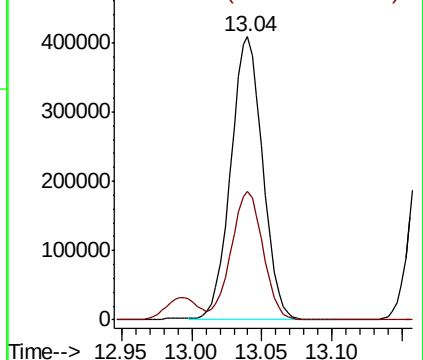
105 100

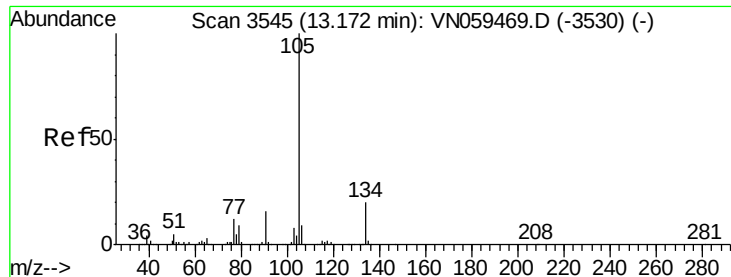
120 45.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 42.256 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

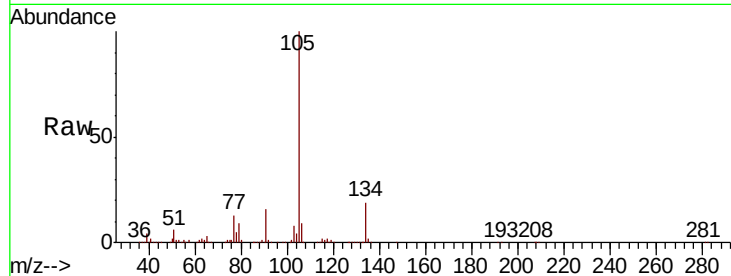
VSTDCCC050EC

Tot Ion:105 Resp: 754034

Ion Ratio Lower Upper

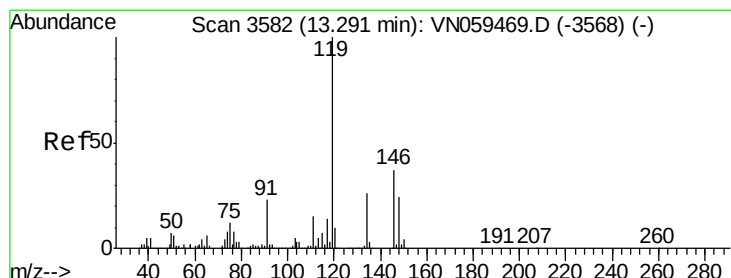
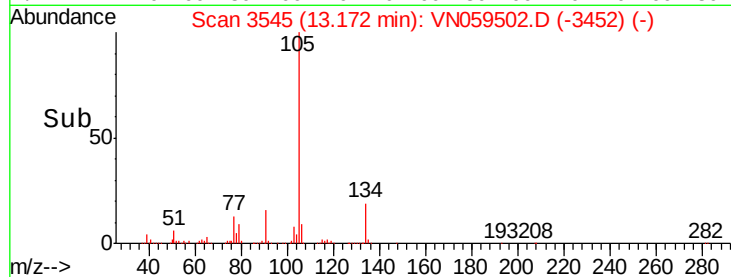
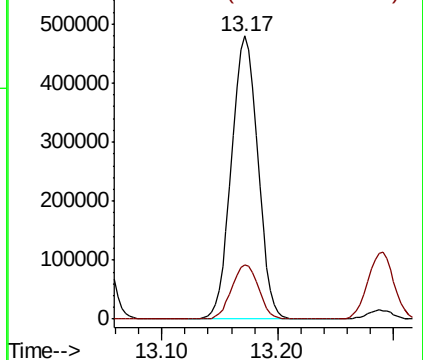
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.738 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

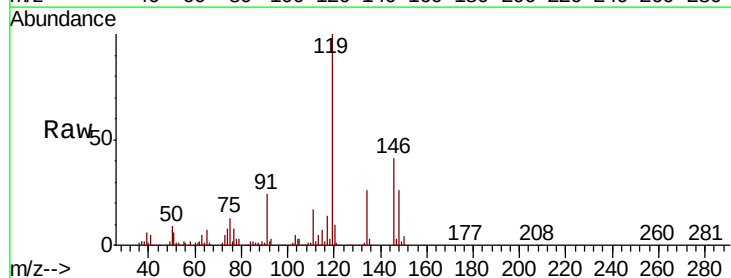
Tgt Ion:119 Resp: 683408

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

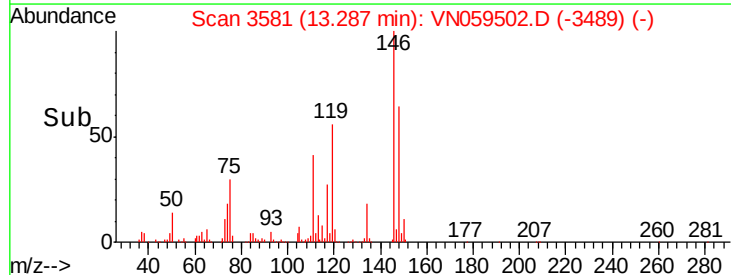
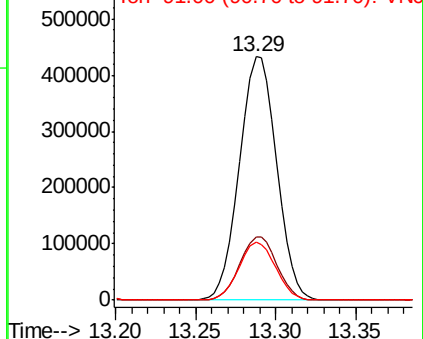
91 23.4 11.7 35.1

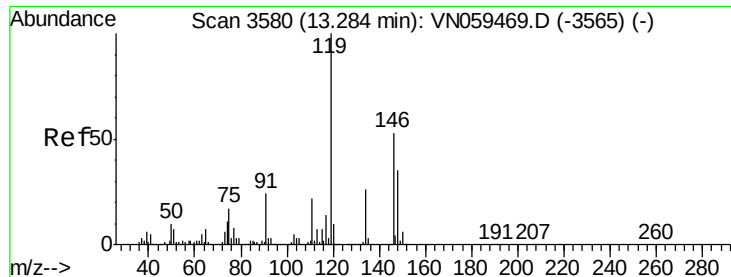


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 40.564 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

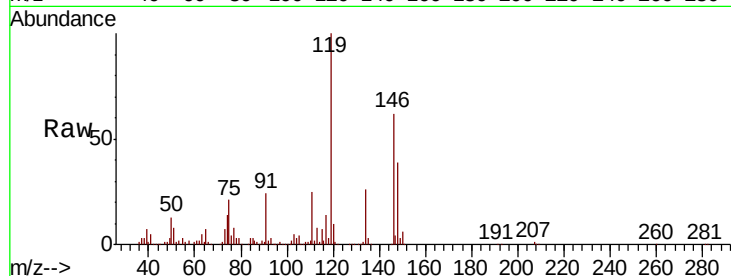
Tot Ion:146 Resp: 331660

Ion Ratio Lower Upper

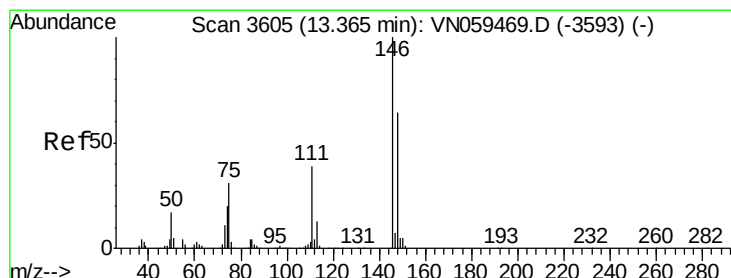
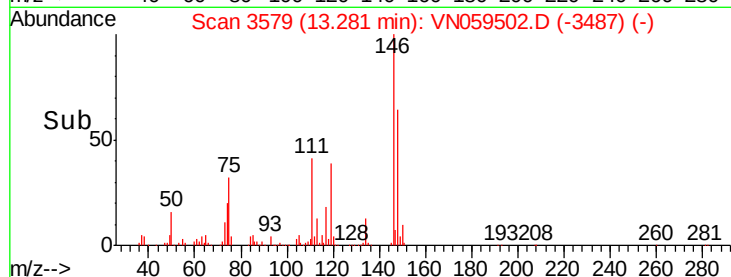
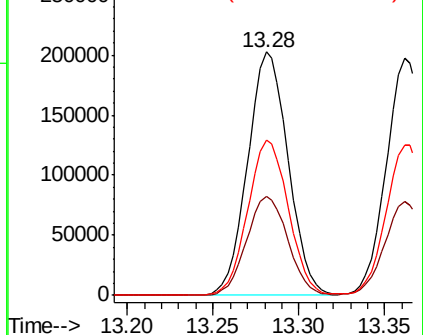
146 100

111 41.3 20.4 61.3

148 63.8 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 39.234 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059502.D

Acq: 5 Dec 2019 16:42

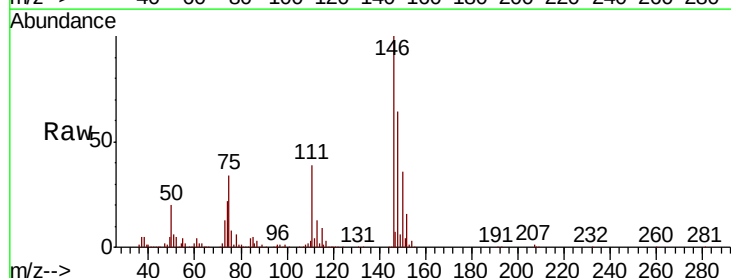
Tgt Ion:146 Resp: 323522

Ion Ratio Lower Upper

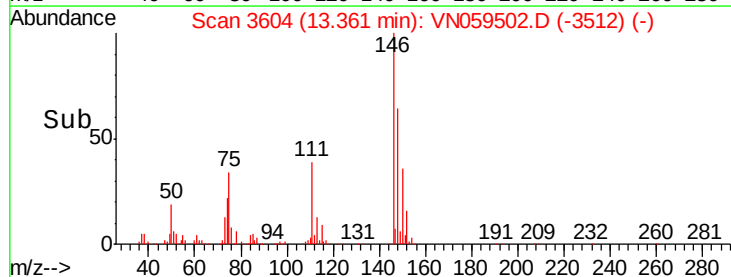
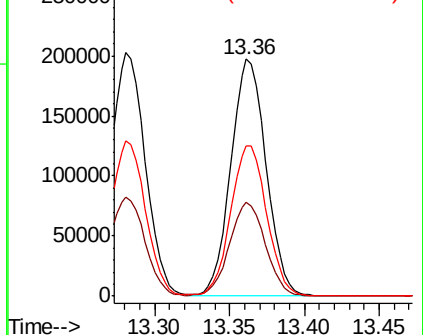
146 100

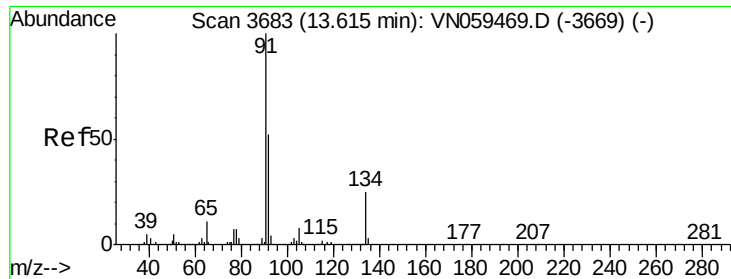
111 40.5 19.8 59.3

148 64.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

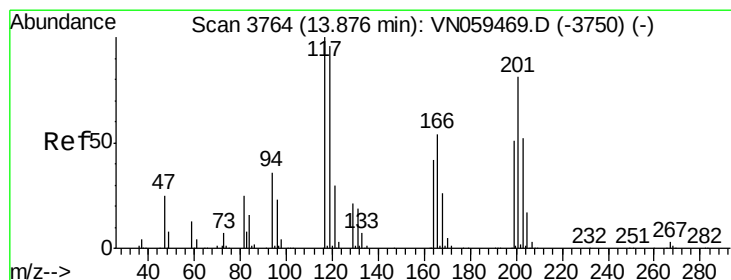
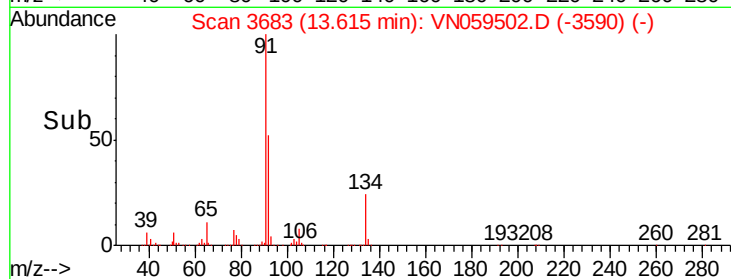
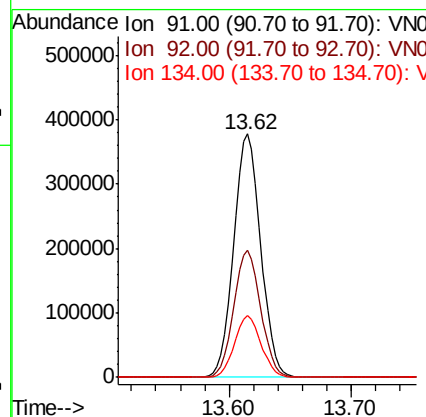
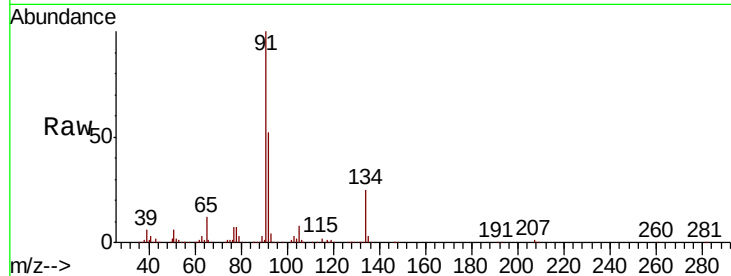




#89
n-Butylbenzene
Concen: 40.757 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

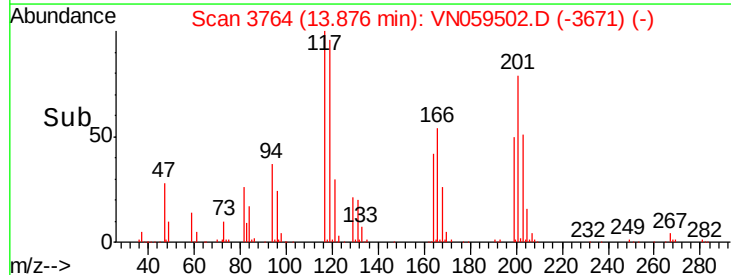
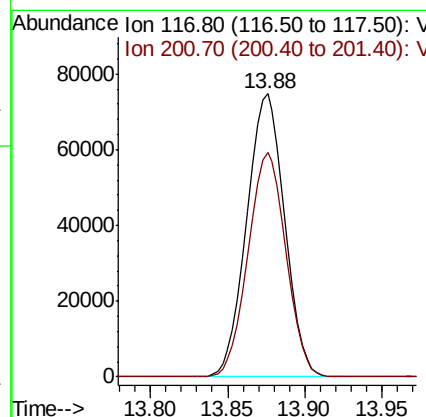
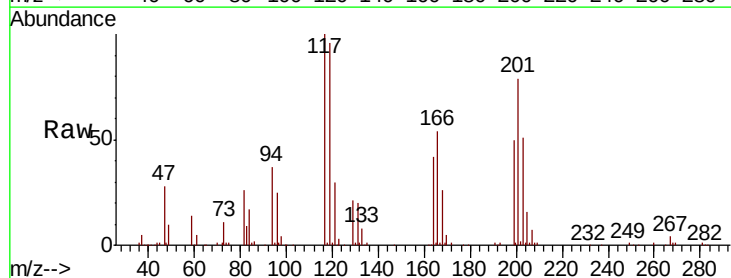
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

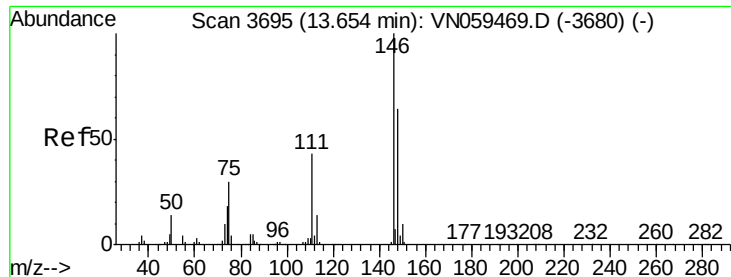
Tot Ion: 91 Resp: 583912
Ion Ratio Lower Upper
91 100
92 52.1 25.9 77.8
134 24.9 12.6 37.6



#90
Hexachloroethane
Concen: 41.395 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion: 117 Resp: 127667
Ion Ratio Lower Upper
117 100
201 79.1 40.6 122.0

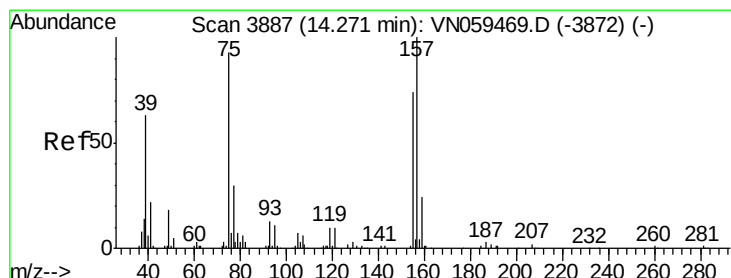
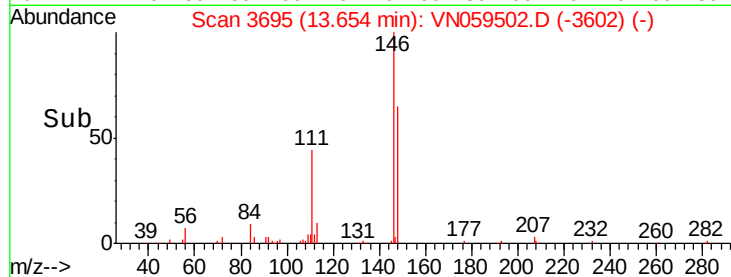
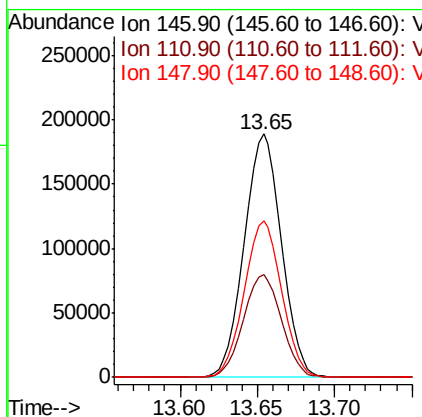
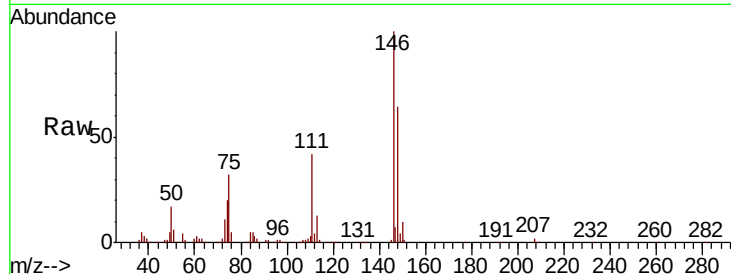




#91
 1,2-Dichlorobenzene
 Concen: 40.525 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

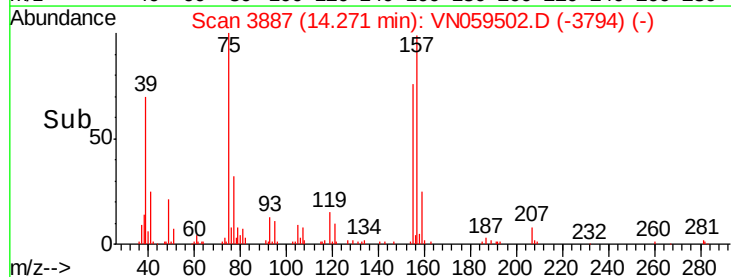
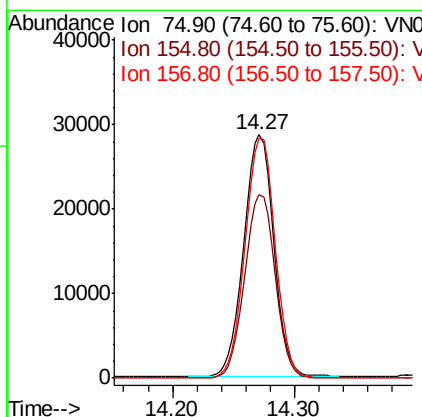
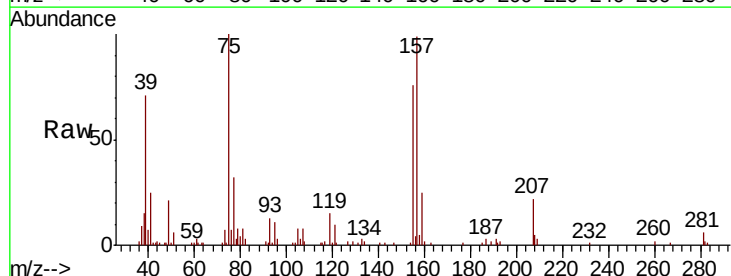
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

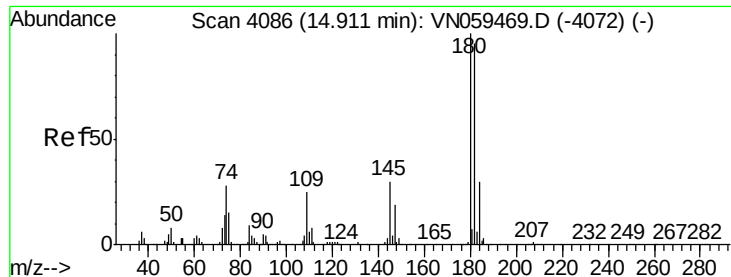
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.7
148	64.6	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.428 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	40.6	122.0
157	99.6	52.9	158.7

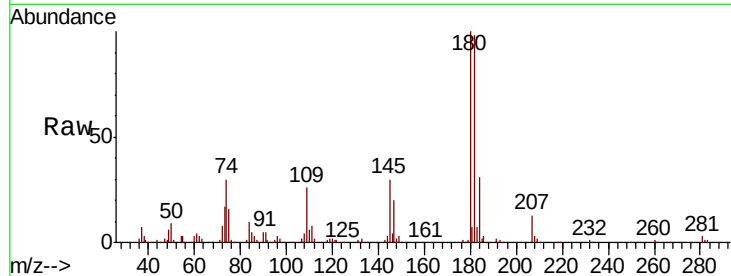




#93
 1,2,4-Trichlorobenzene
 Concen: 37.464 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	30.3	15.2	45.6

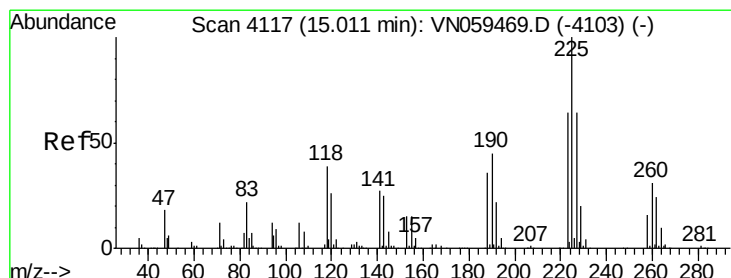
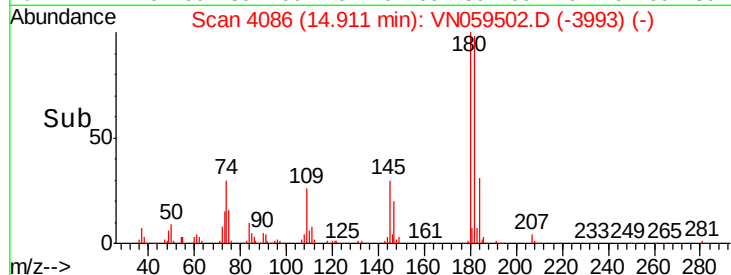
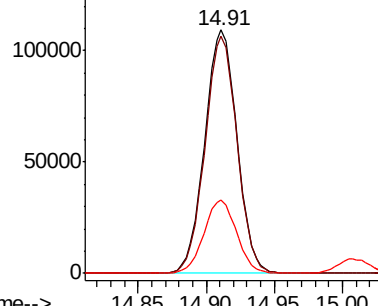


Abundance

Ion 179.80 (179.50 to 180.50): V

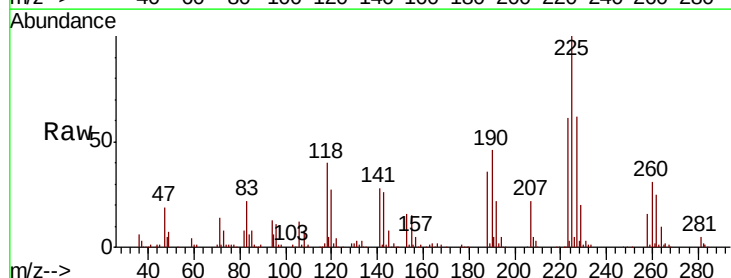
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 42.009 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059502.D
 Acq: 5 Dec 2019 16:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.5
227	62.6	32.0	96.2

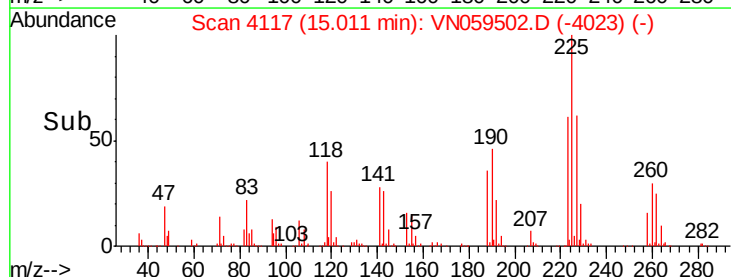
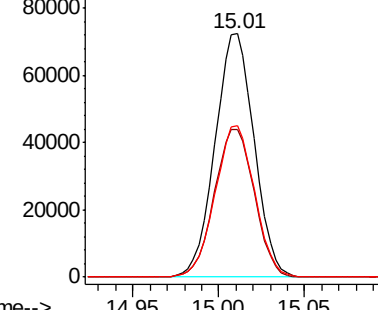


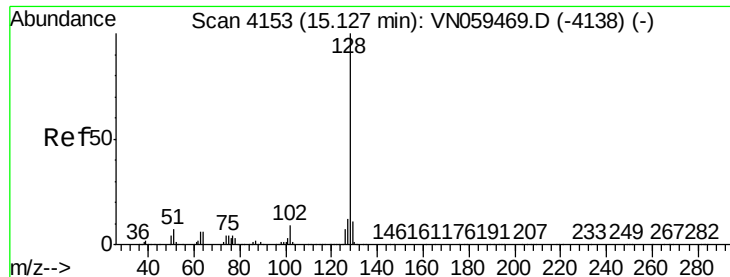
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

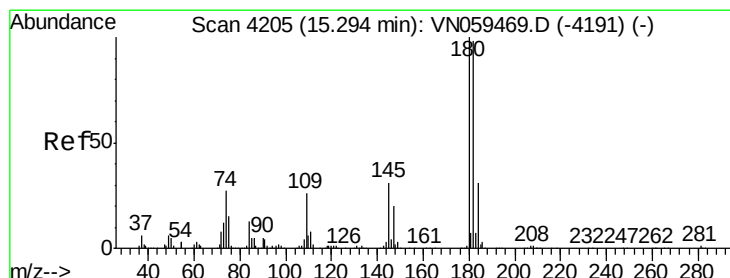
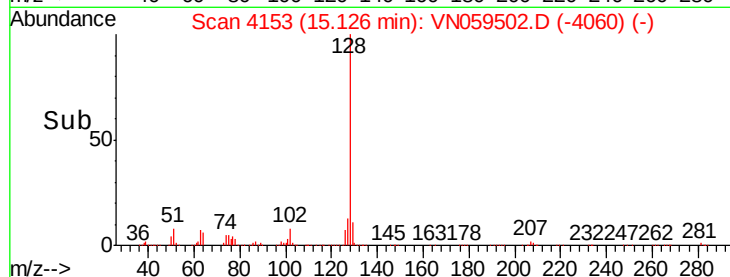
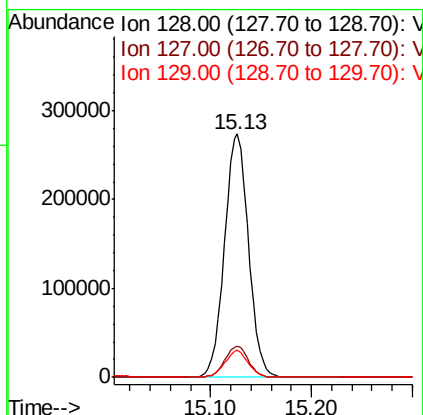
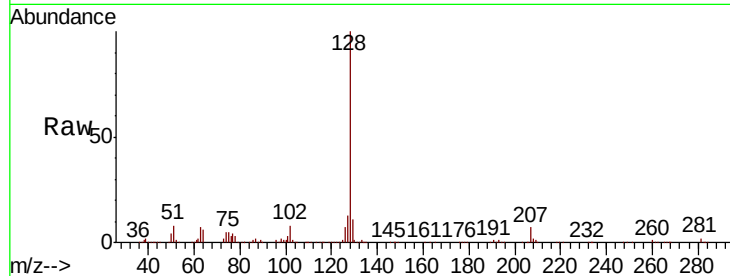




#95
Naphthalene
Concen: 35.304 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 455524
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 37.560 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059502.D
Acq: 5 Dec 2019 16:42

Tgt Ion:180 Resp: 178098
Ion Ratio Lower Upper
180 100
182 96.2 48.5 145.5
145 32.2 16.1 48.2

