

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057439.D
 Acq On : 22 Aug 2019 17:52
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 23 04:24:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	704724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	612961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	195775	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	144556	30.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.14%	
35) Dibromofluoromethane	7.57	113	97267	20.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.76%	
50) Toluene-d8	10.08	98	378899	22.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.06%	
62) 4-Bromofluorobenzene	12.40	95	114441	18.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	99367	27.590	ug/l	96
3) Chloromethane	2.05	50	133537	30.512	ug/l	99
4) Vinyl Chloride	2.17	62	164178	37.055	ug/l	99
5) Bromomethane	2.55	94	99052	32.478	ug/l	94
6) Chloroethane	2.69	64	106040	35.844	ug/l	94
7) Trichlorofluoromethane	3.00	101	256815	37.505	ug/l	98
8) Diethyl Ether	3.39	74	91783	35.887	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	131253	33.542	ug/l	98
10) Methyl Iodide	3.92	142	104361	19.279	ug/l	100
11) Tert butyl alcohol	4.79	59	88171	136.584	ug/l	99
12) 1,1-Dichloroethene	3.71	96	136170	34.942	ug/l	98
13) Acrolein	3.58	56	78147	175.698	ug/l	98
14) Allyl chloride	4.29	41	181364	29.973	ug/l	97
15) Acrylonitrile	4.97	53	232218	133.460	ug/l	99
16) Acetone	3.80	43	226025	143.147	ug/l	97
17) Carbon Disulfide	4.02	76	245659	25.370	ug/l	99
18) Methyl Acetate	4.30	43	147631	23.072	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	307962	26.831	ug/l	98
20) Methylene Chloride	4.52	84	99261	23.375	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	88714	23.282	ug/l	97
22) Diisopropyl ether	5.93	45	381395	31.533	ug/l	98
23) Vinyl Acetate	5.87	43	1461471	151.761	ug/l	99
24) 1,1-Dichloroethane	5.82	63	196189	27.404	ug/l	99
25) 2-Butanone	6.82	43	344154	148.422	ug/l	98
26) 2,2-Dichloropropane	6.80	77	167804	28.763	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	107362	23.723	ug/l	98
28) Bromochloromethane	7.18	49	118295	34.711	ug/l	96
29) Tetrahydrofuran	7.20	42	227449	153.065	ug/l	98
30) Chloroform	7.36	83	192734	26.009	ug/l	95
31) Cyclohexane	7.63	56	196970	30.168	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	167117	26.809	ug/l	100
36) 1,1-Dichloropropene	7.78	75	141704	22.339	ug/l	100
37) Ethyl Acetate	6.91	43	145997	27.357	ug/l	99
38) Carbon Tetrachloride	7.76	117	137329	21.038	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	174092	23.390	ug/l	97
40) Benzene	8.03	78	423646	21.962	ug/l	97
41) Methacrylonitrile	7.16	41	69800	28.661	ug/l	96
42) 1,2-Dichloroethane	8.11	62	161359	24.634	ug/l	98
43) Isopropyl Acetate	8.16	43	258037	22.485	ug/l	100
44) Trichloroethene	8.82	130	95949	18.230	ug/l	98
45) 1,2-Dichloropropane	9.11	63	118099	23.439	ug/l	98
46) Dibromomethane	9.20	93	71306	21.432	ug/l	97
47) Bromodichloromethane	9.39	83	153021	23.030	ug/l	96
48) Methyl methacrylate	9.19	41	119739	26.778	ug/l	99
49) 1,4-Dioxane	9.20	88	31388	366.757	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	721038	130.189	ug/l	100
52) Toluene	10.15	92	247167	20.817	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	159846	22.340	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	177159	22.511	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96359	20.654	ug/l	99
56) Ethyl methacrylate	10.43	69	156337	22.615	ug/l	98
57) 1,3-Dichloropropane	10.70	76	173502	21.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	175751	99.080	ug/l	100
59) 2-Hexanone	10.75	43	493957	125.545	ug/l	99
60) Dibromochloromethane	10.90	129	101421	19.585	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97326	19.709	ug/l	99
64) Tetrachloroethene	10.63	164	87491	17.038	ug/l	94
65) Chlorobenzene	11.43	112	239256	19.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91806	19.359	ug/l	99
67) Ethyl Benzene	11.51	91	458305	20.686	ug/l	100
68) m/p-Xylenes	11.62	106	321188	39.842	ug/l	100
69) o-Xylene	11.95	106	160301	20.227	ug/l	98
70) Styrene	11.96	104	250578	19.829	ug/l	99
71) Bromoform	12.13	173	58243	15.928	ug/l #	95
73) Isopropylbenzene	12.25	105	426541	22.216	ug/l	99
74) N-amyl acetate	12.07	43	198978	32.127	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	125809	22.409	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	164280	34.122	ug/l #	100
77) Bromobenzene	12.53	156	86771	17.914	ug/l	99
78) n-propylbenzene	12.59	91	456375	23.600	ug/l	99
79) 2-Chlorotoluene	12.68	91	280048	22.681	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	342330	22.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40893	24.872	ug/l	97
82) 4-Chlorotoluene	12.77	91	263474	23.091	ug/l	99
83) tert-Butylbenzene	13.00	119	293236	20.640	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	321876	22.447	ug/l	100
85) sec-Butylbenzene	13.17	105	373328	21.730	ug/l	99
86) p-Isopropyltoluene	13.29	119	311334	21.349	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	126322	18.713	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	120999	18.740	ug/l	98
89) n-Butylbenzene	13.62	91	256532	23.915	ug/l	100
90) Hexachloroethane	13.88	117	68946	22.642	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	124946	19.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20085	27.161	ug/l	98

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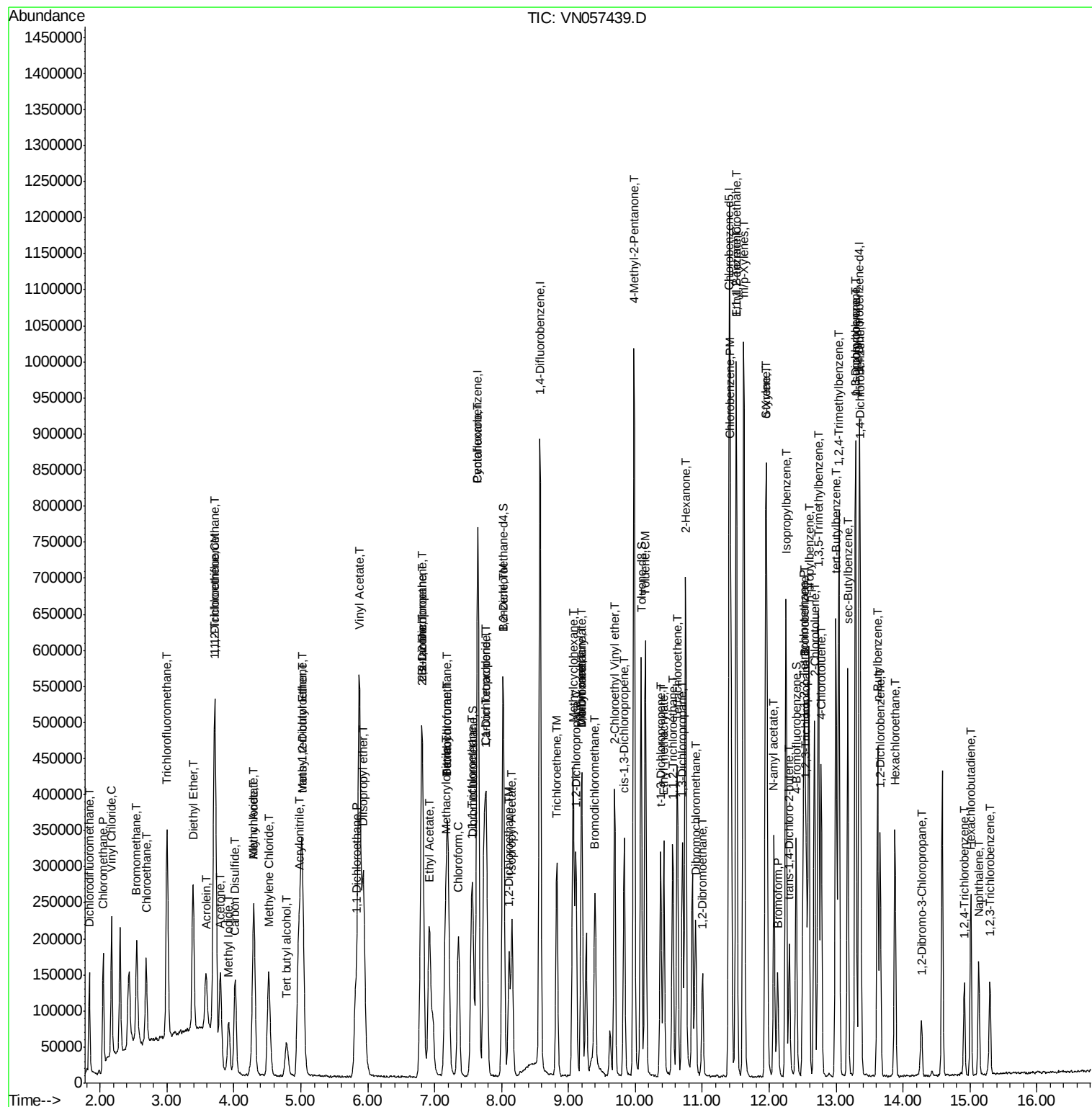
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34059	16.172	ug/l	97
94) Hexachlorobutadiene	15.01	225	37552	13.480	ug/l	98
95) Naphthalene	15.13	128	116673	23.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	34678	17.129	ug/l	99

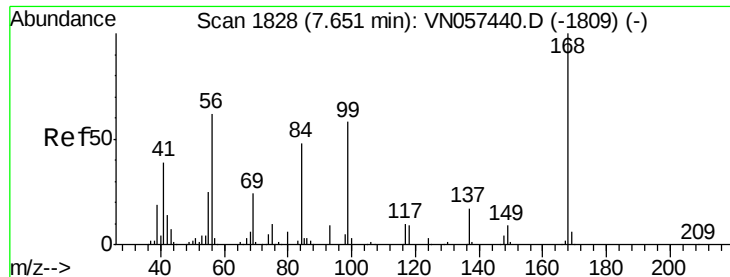
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

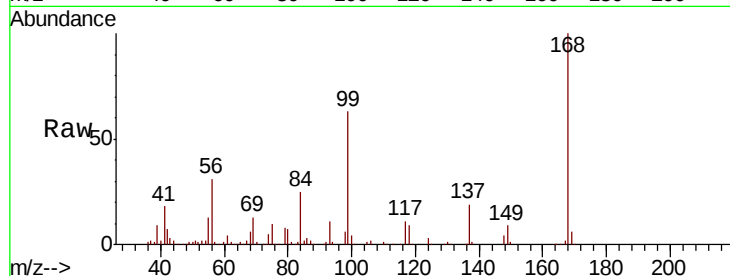
VSTDIC020

Tgt Ion:168 Resp: 391129

Ion Ratio Lower Upper

168 100

99 62.7 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

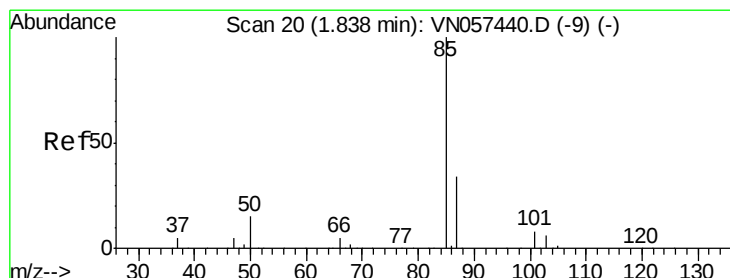
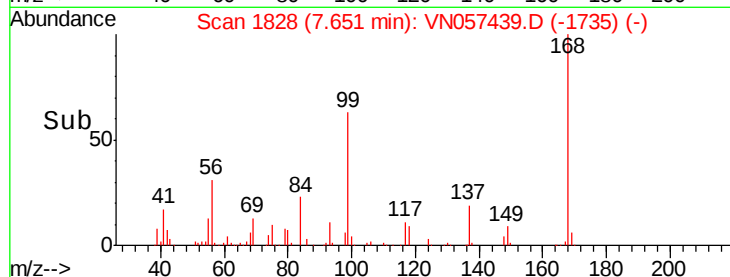
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 27.590 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057439.D

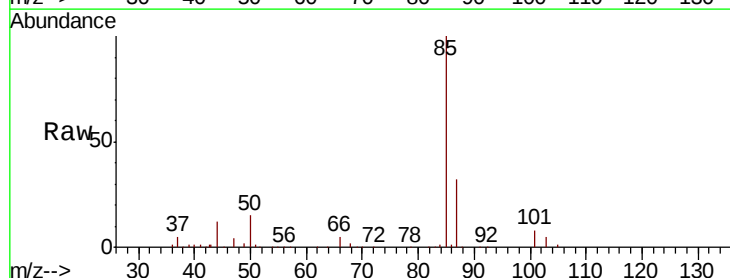
Acq: 22 Aug 2019 17:52

Tgt Ion: 85 Resp: 99367

Ion Ratio Lower Upper

85 100

87 32.0 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

80000

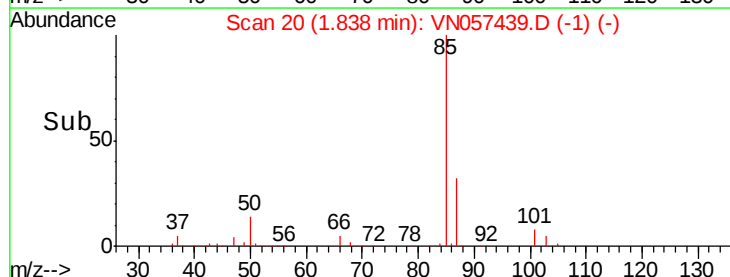
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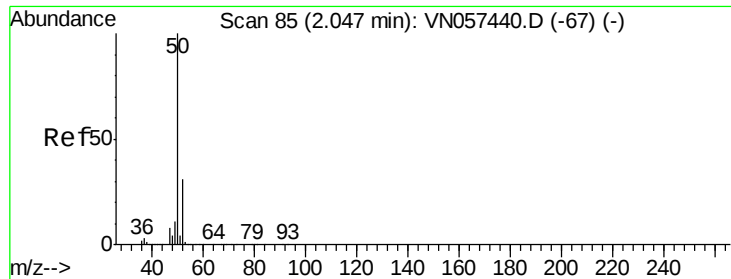
40000

20000

0

Time-->





#3

Chloromethane

Concen: 30.512 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

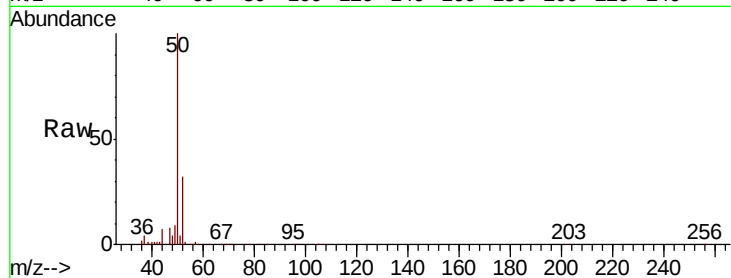
VSTDIC020

Tgt Ion: 50 Resp: 133537

Ion Ratio Lower Upper

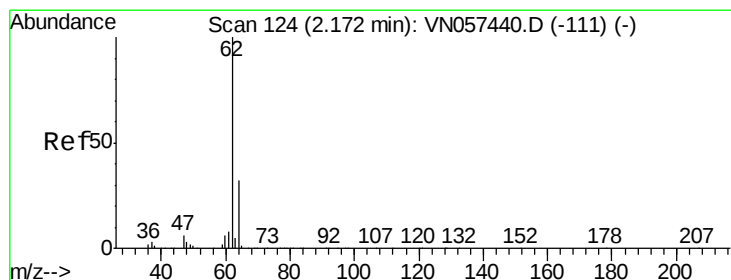
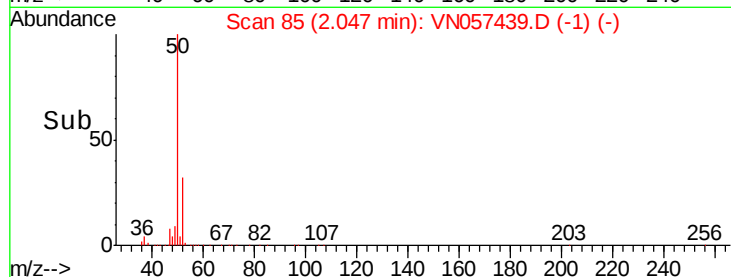
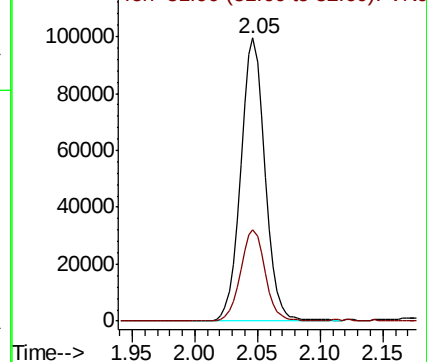
50 100

52 32.1 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 37.055 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057439.D

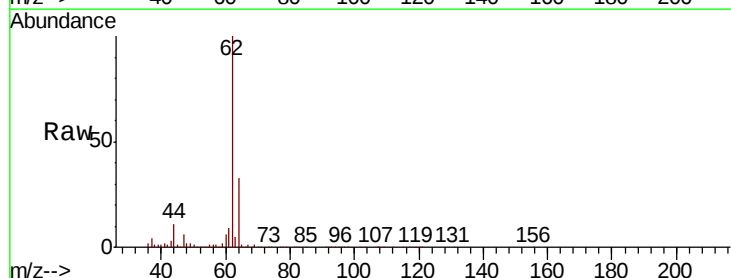
Acq: 22 Aug 2019 17:52

Tgt Ion: 62 Resp: 164178

Ion Ratio Lower Upper

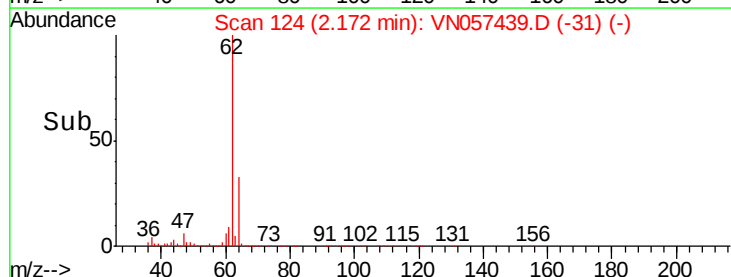
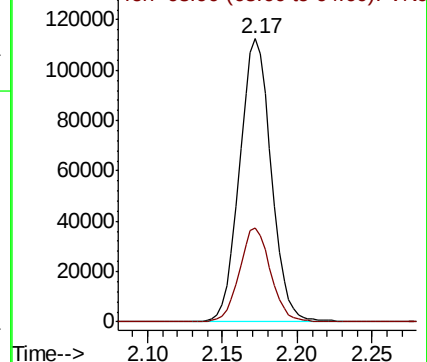
62 100

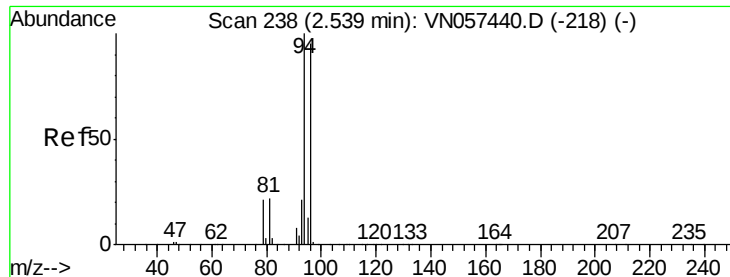
64 33.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 32.478 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

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Acq: 22 Aug 2019 17:52

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ClientSampleId :

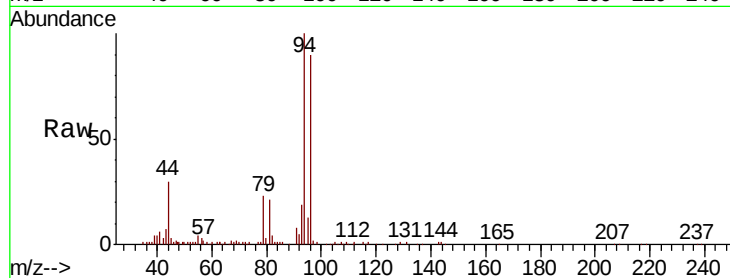
VSTDIC020

Tgt Ion: 94 Resp: 99052

Ion Ratio Lower Upper

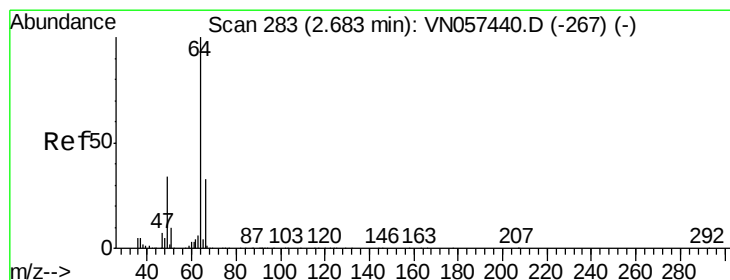
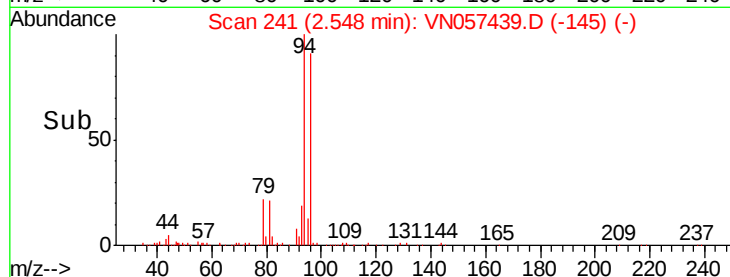
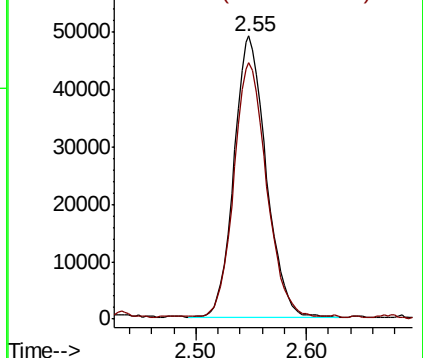
94 100

96 89.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 35.844 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057439.D

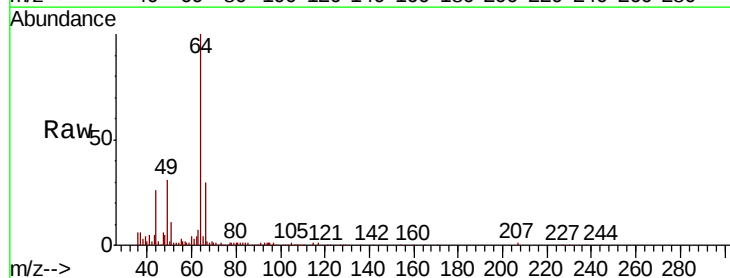
Acq: 22 Aug 2019 17:52

Tgt Ion: 64 Resp: 106040

Ion Ratio Lower Upper

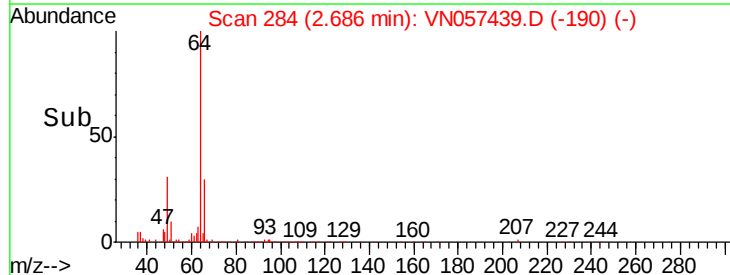
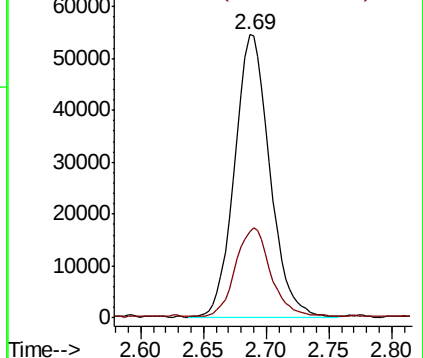
64 100

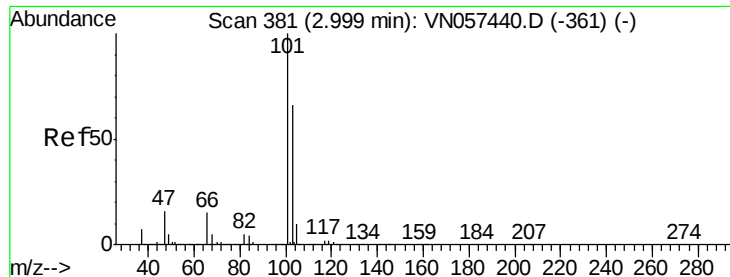
66 29.9 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



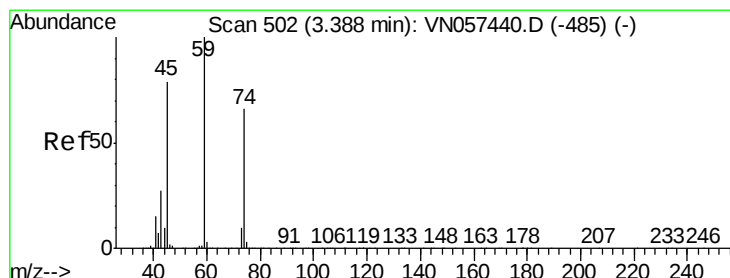
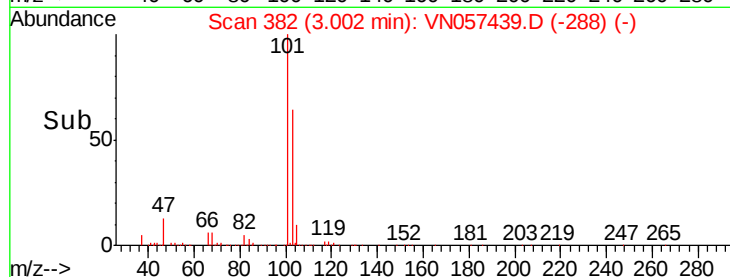
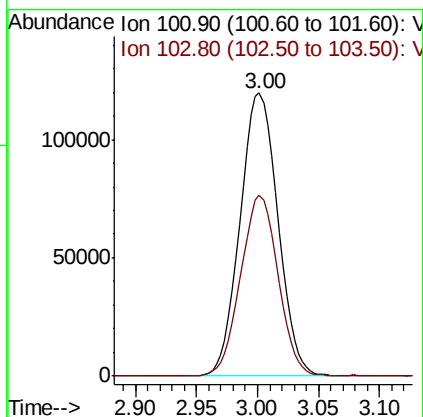
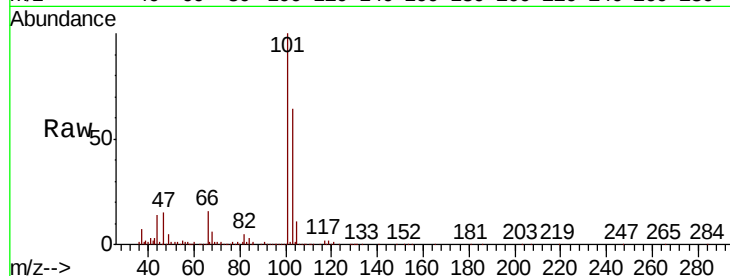


#7

Trichlorofluoromethane
Concen: 37.505 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

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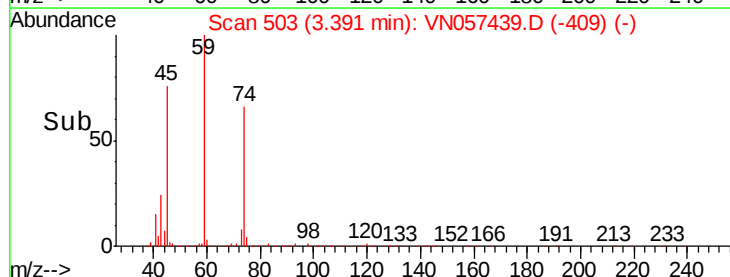
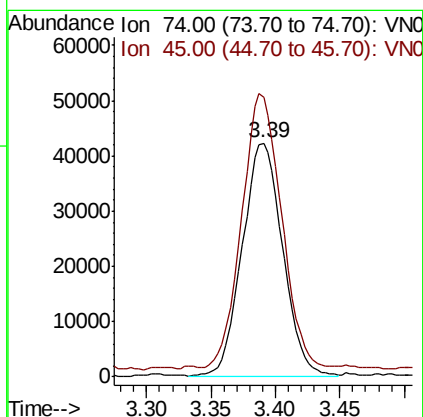
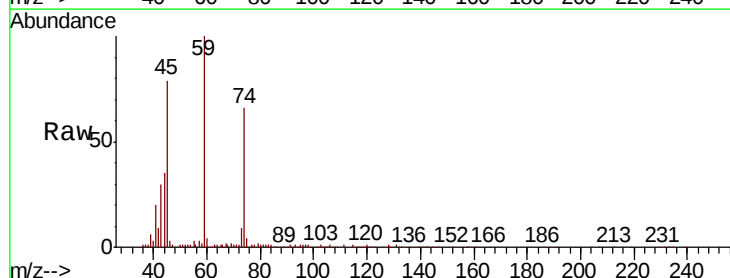
Tgt Ion:101 Resp: 256815
Ion Ratio Lower Upper
101 100
103 64.0 52.6 78.8

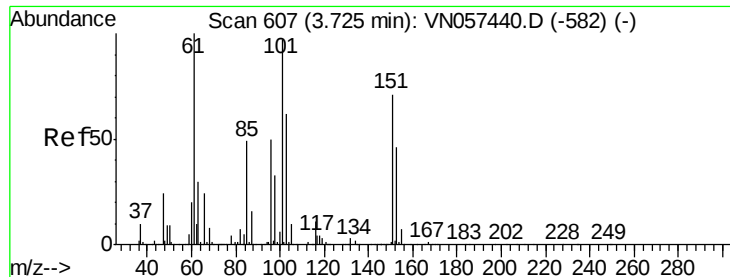


#8

Diethyl Ether
Concen: 35.887 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 74 Resp: 91783
Ion Ratio Lower Upper
74 100
45 115.4 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.542 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057439.D

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VSTDIC020

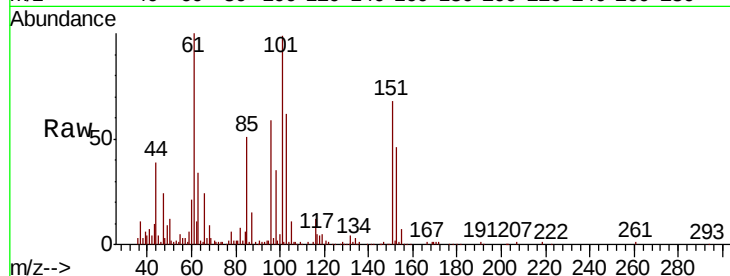
Tgt Ion:101 Resp: 131253

Ion Ratio Lower Upper

101 100

85 48.5 40.0 60.0

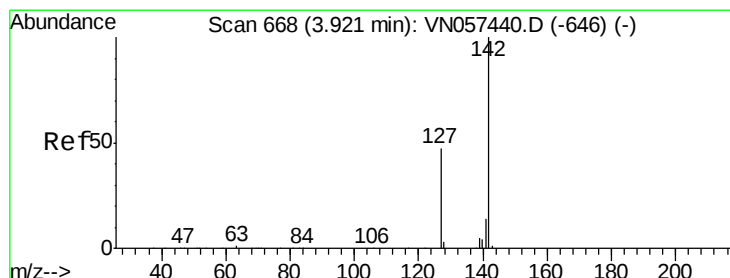
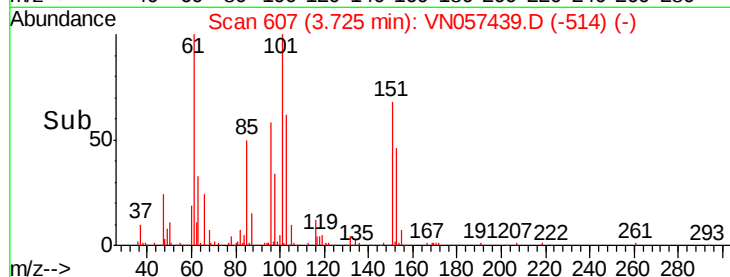
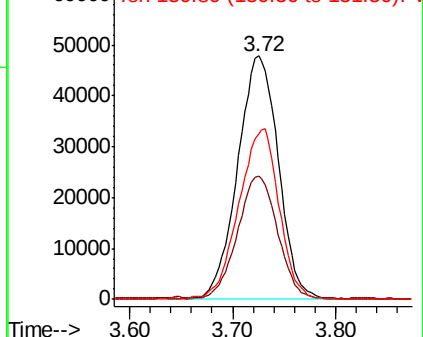
151 69.2 57.0 85.6



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: 19.279 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

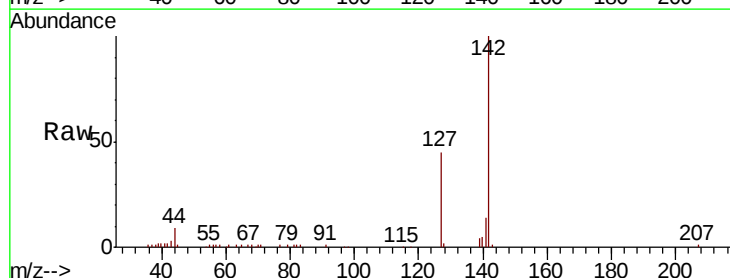
Tgt Ion:142 Resp: 104361

Ion Ratio Lower Upper

142 100

127 47.1 37.8 56.8

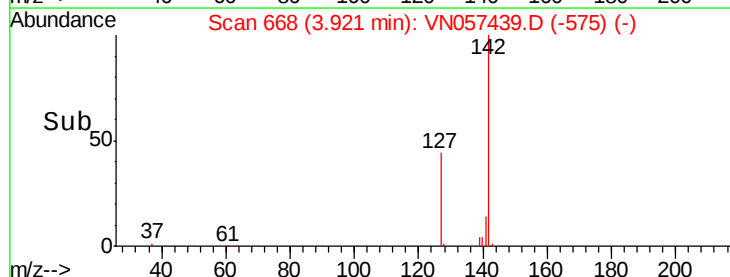
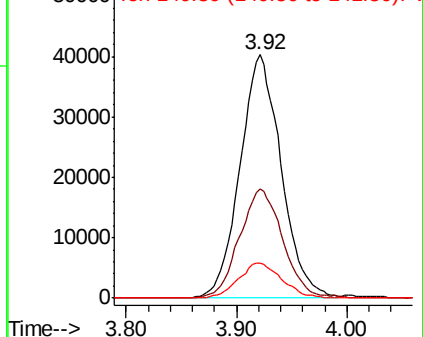
141 14.9 11.9 17.9

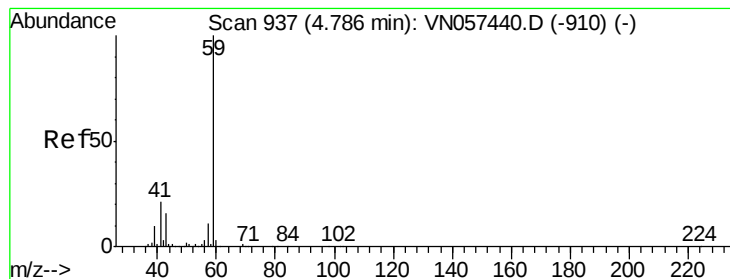


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



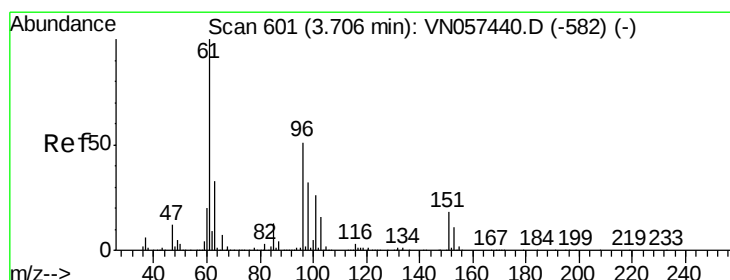
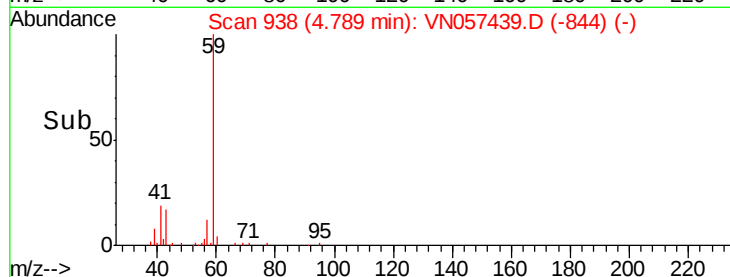
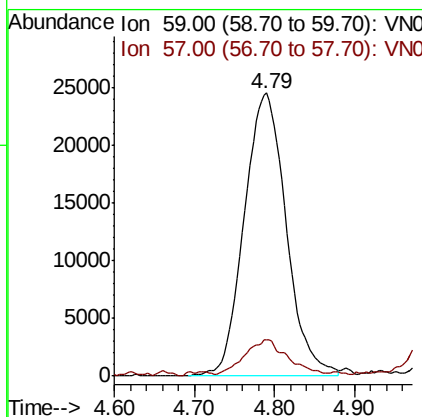
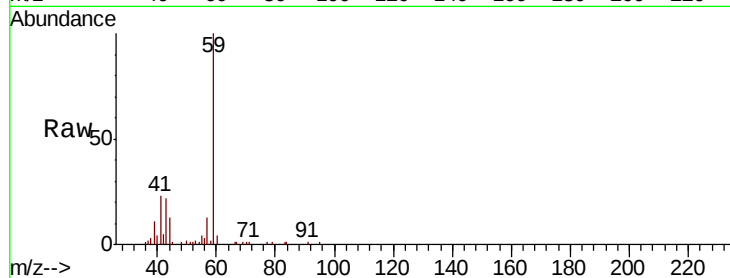


#11

Tert butyl alcohol
 Concen: 136.584 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

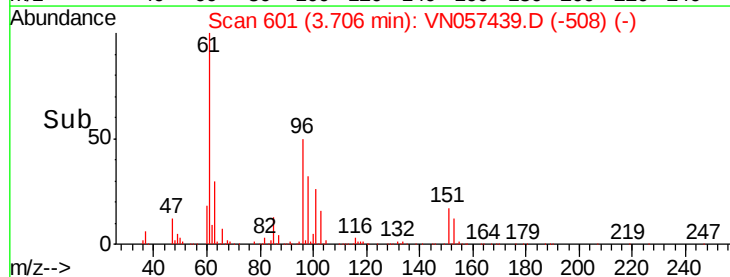
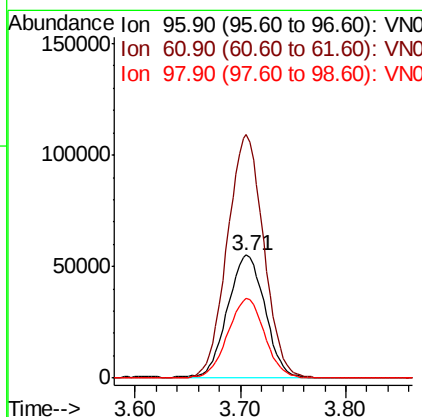
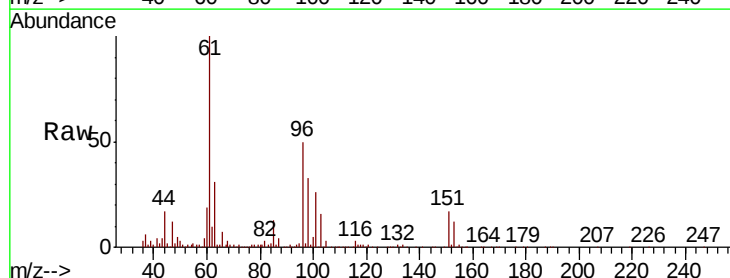
Tgt Ion: 59 Resp: 88171
 Ion Ratio Lower Upper
 59 100
 57 11.8 9.1 13.7

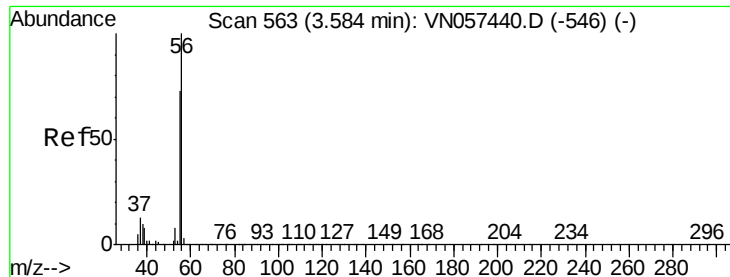


#12

1,1-Dichloroethene
 Concen: 34.942 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion: 96 Resp: 136170
 Ion Ratio Lower Upper
 96 100
 61 197.6 155.3 232.9
 98 64.2 50.2 75.2





#13

Acrolein

Concen: 175.698 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

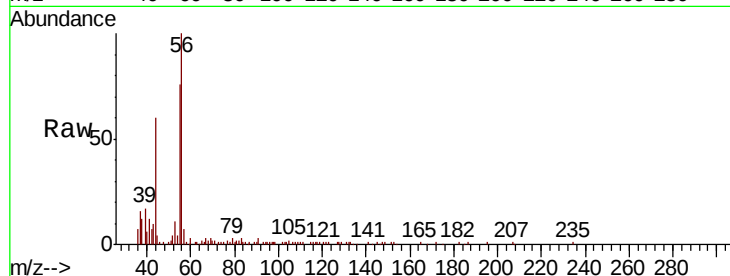
VSTDIC020

Tgt Ion: 56 Resp: 78147

Ion Ratio Lower Upper

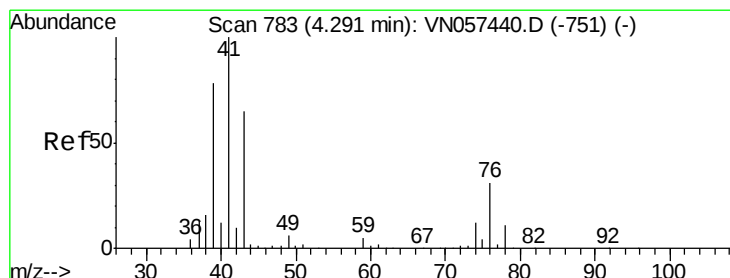
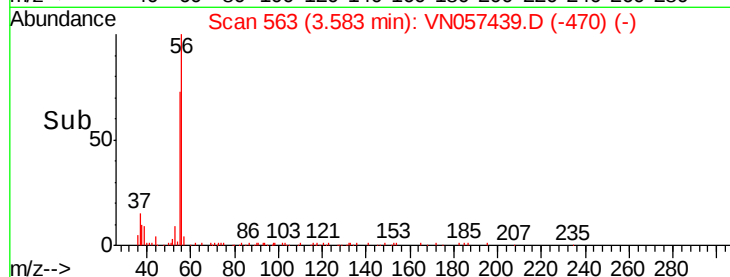
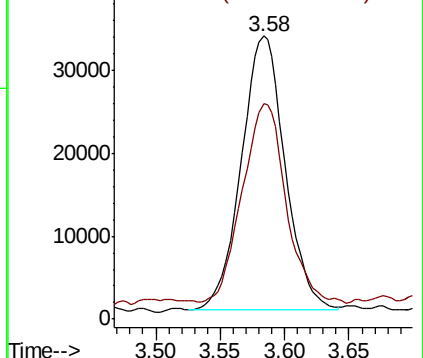
56 100

55 72.2 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 29.973 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

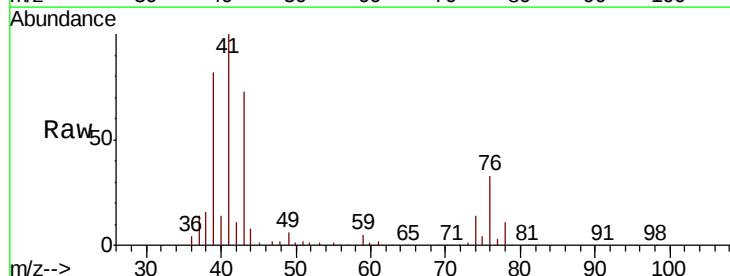
Tgt Ion: 41 Resp: 181364

Ion Ratio Lower Upper

41 100

39 74.6 57.4 86.2

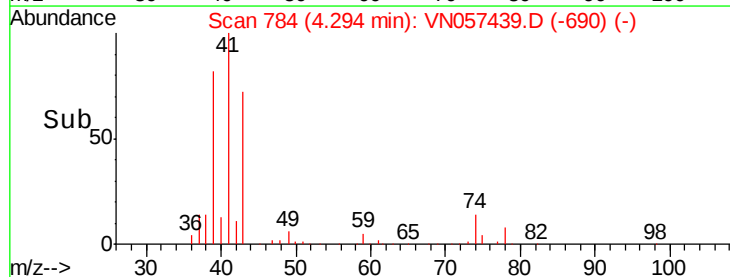
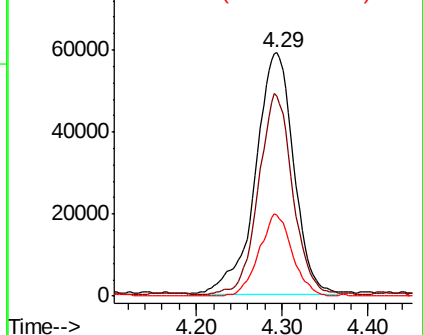
76 29.8 22.9 34.3

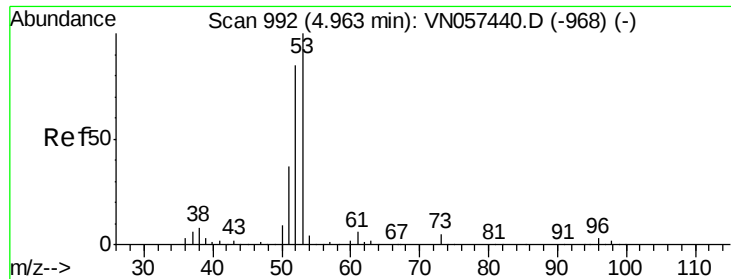


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 133.460 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

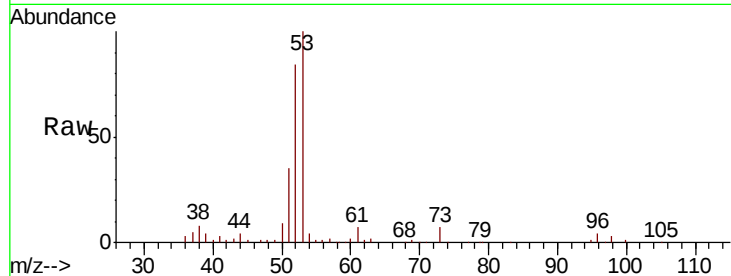
Tgt Ion: 53 Resp: 232218

Ion Ratio Lower Upper

53 100

52 84.9 67.0 100.6

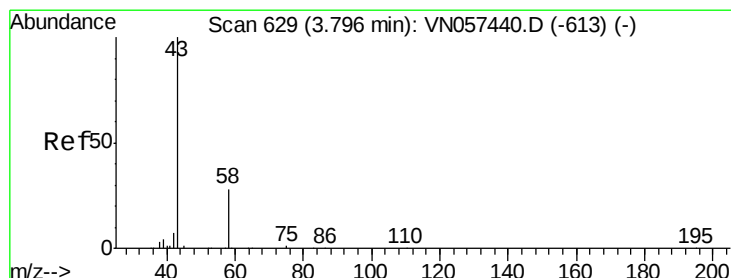
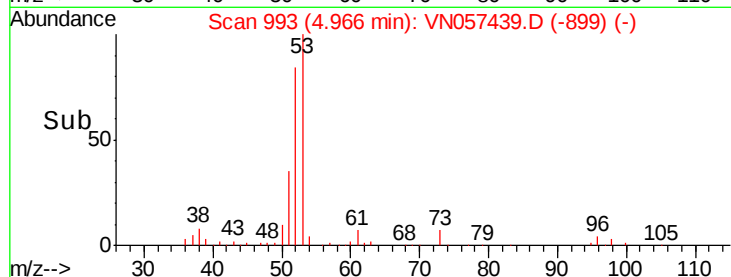
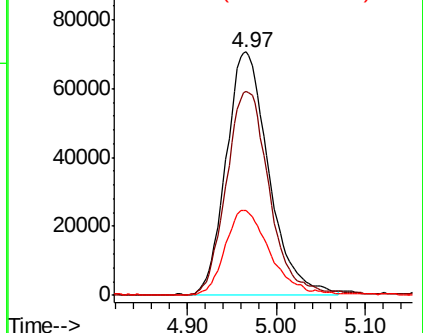
51 36.7 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN057440.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN057440.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN057440.D (-968) (-)



#16

Acetone

Concen: 143.147 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057439.D

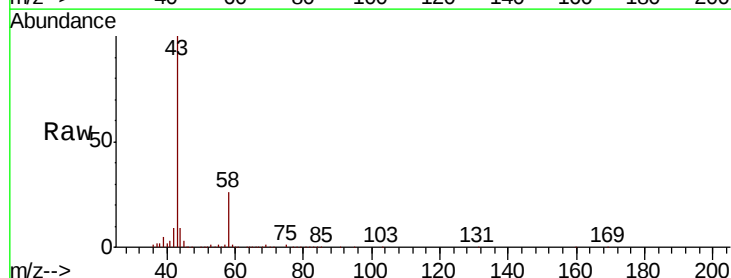
Acq: 22 Aug 2019 17:52

Tgt Ion: 43 Resp: 226025

Ion Ratio Lower Upper

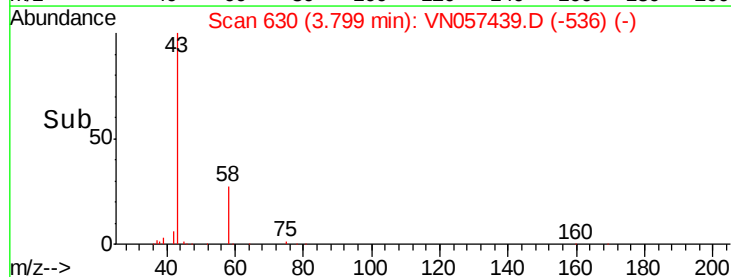
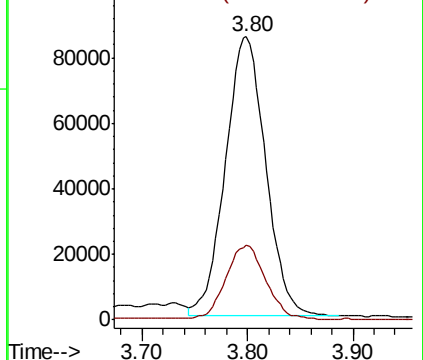
43 100

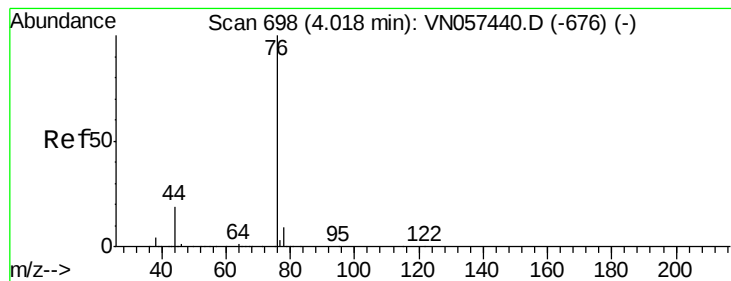
58 26.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-613) (-)

Ion 58.00 (57.70 to 58.70): VN057440.D (-613) (-)





#17

Carbon Disulfide

Concen: 25.370 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

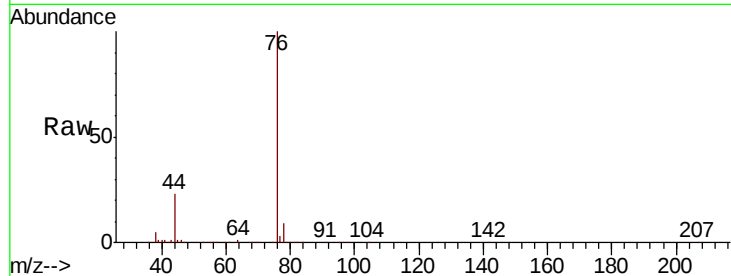
VSTDIC020

Tgt Ion: 76 Resp: 245659

Ion Ratio Lower Upper

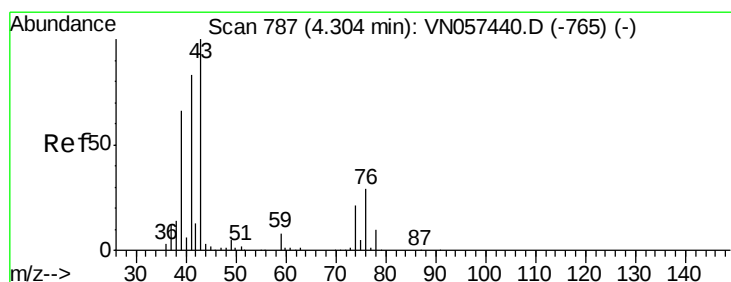
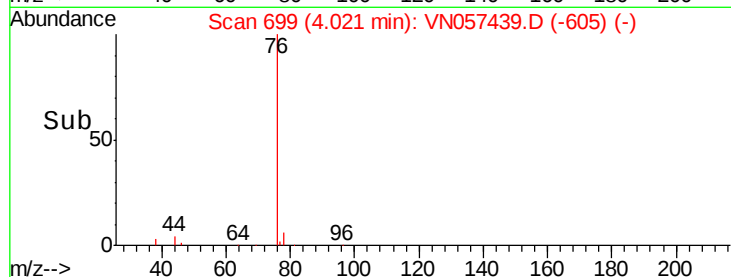
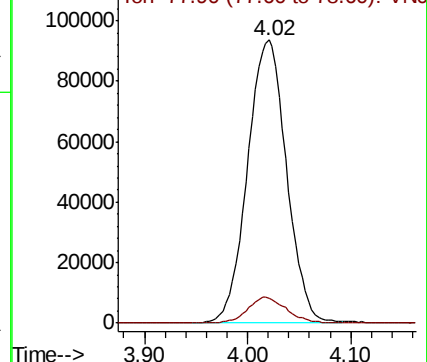
76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.072 ug/l

RT: 4.30 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN057439.D

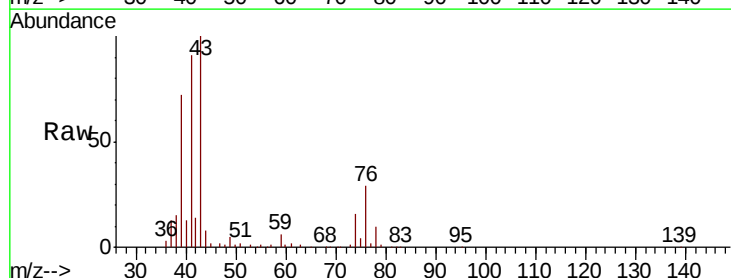
Acq: 22 Aug 2019 17:52

Tgt Ion: 43 Resp: 147631

Ion Ratio Lower Upper

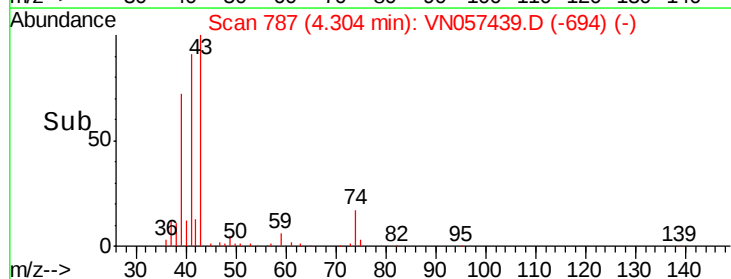
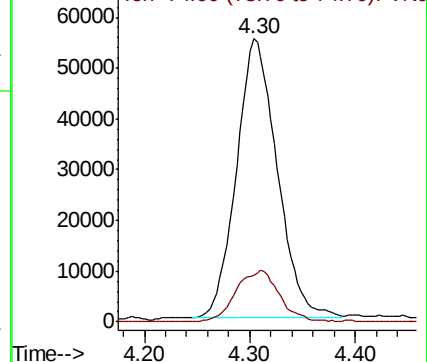
43 100

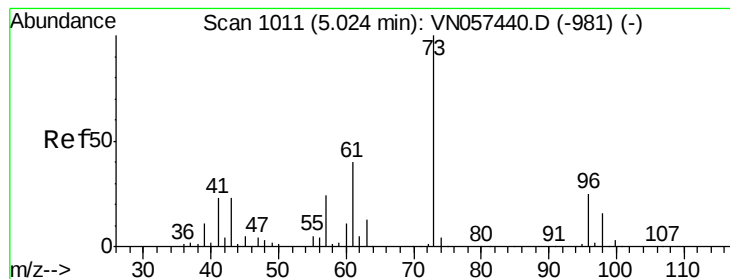
74 19.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



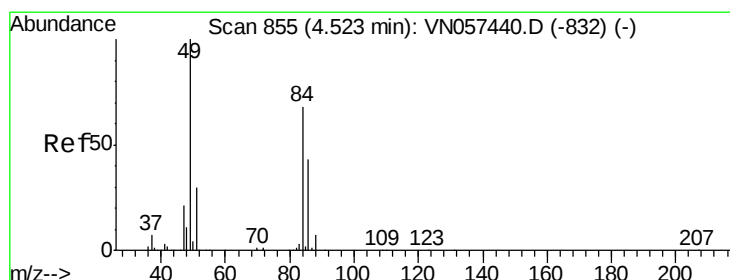
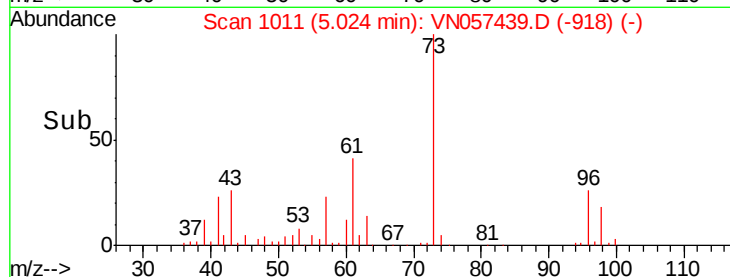
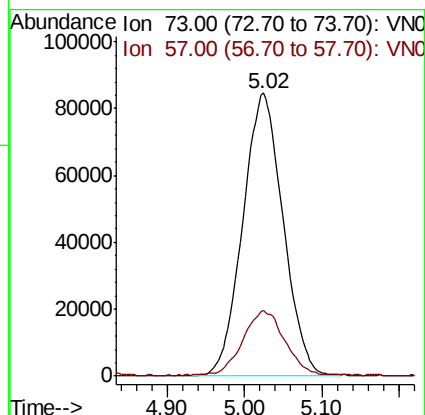
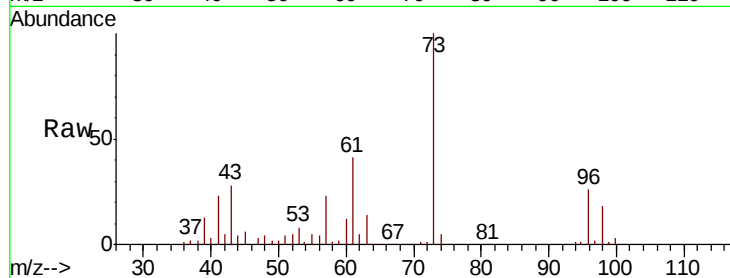


#19

Methyl tert-butyl Ether
 Concen: 26.831 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

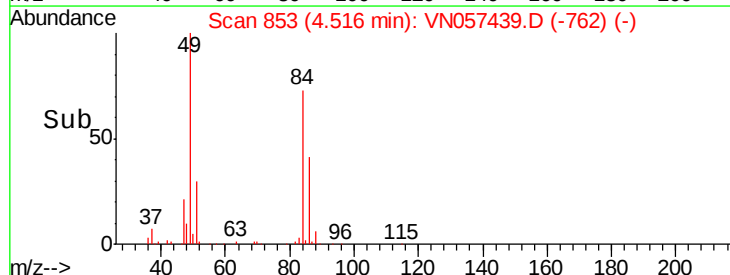
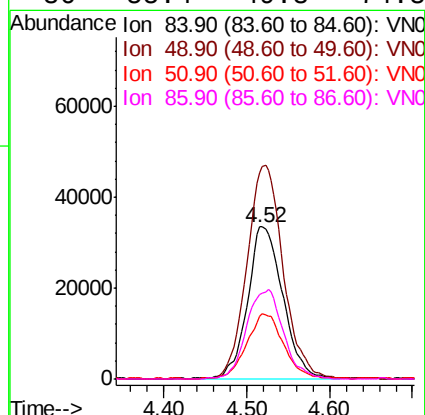
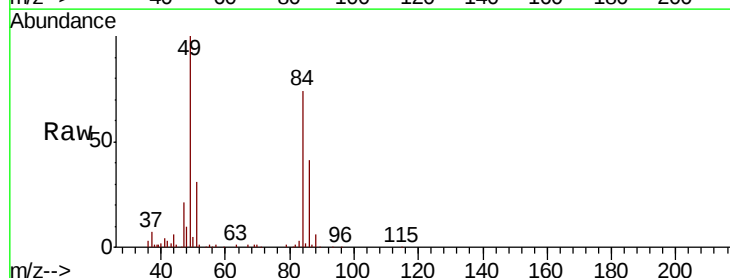
Tgt Ion: 73 Resp: 307962
 Ion Ratio Lower Upper
 73 100
 57 23.0 19.1 28.7

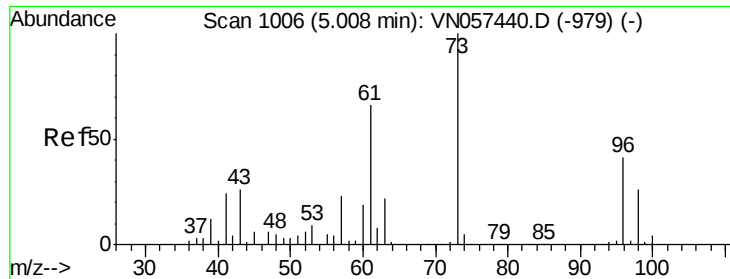


#20

Methylene Chloride
 Concen: 23.375 ug/l
 RT: 4.52 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion: 84 Resp: 99261
 Ion Ratio Lower Upper
 84 100
 49 135.9 117.0 175.4
 51 41.6 35.5 53.3
 86 55.4 49.8 74.8

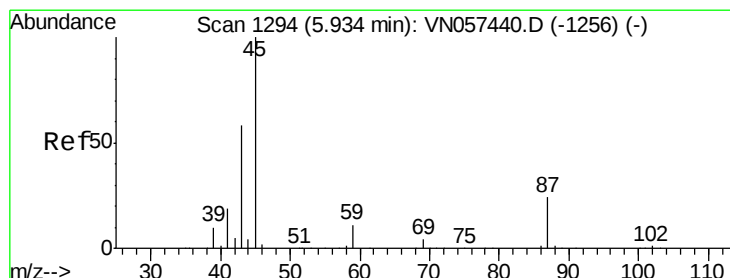
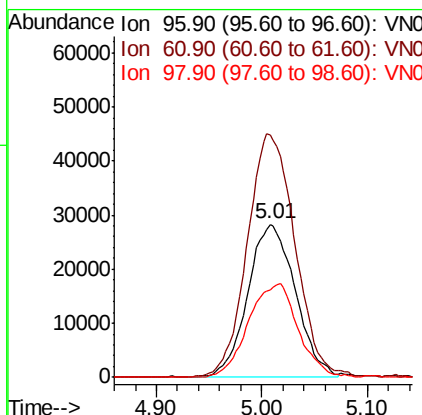
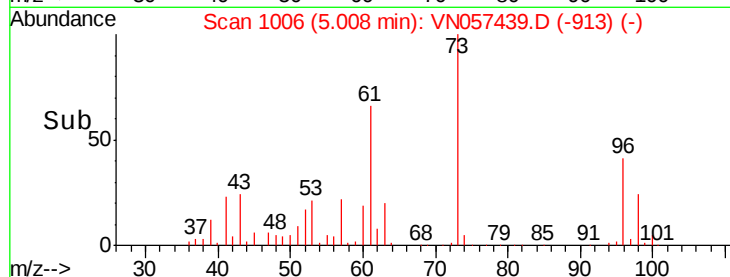
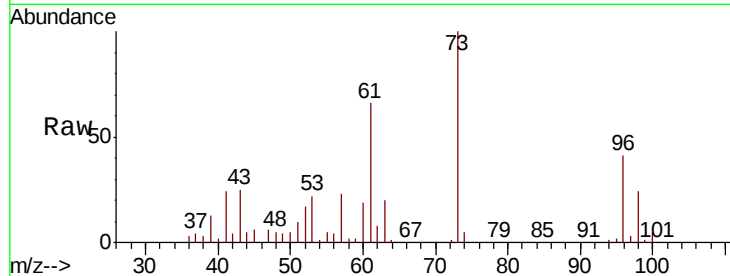




#21
trans-1,2-Dichloroethene
Concen: 23.282 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

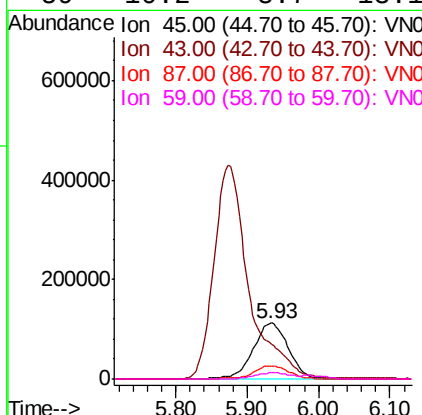
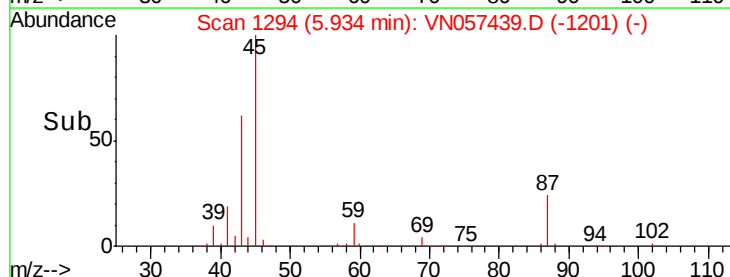
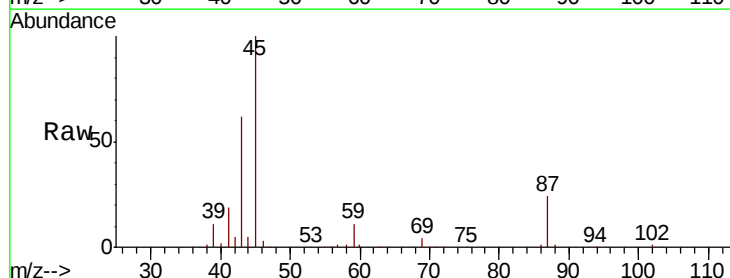
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

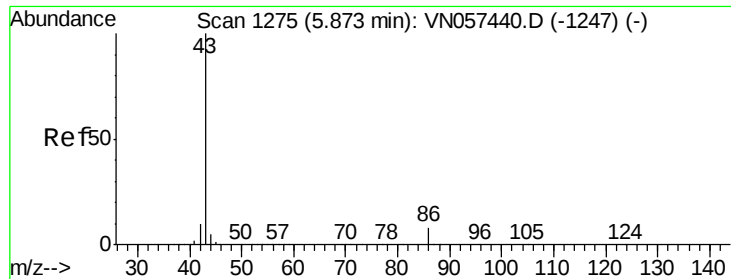
Tgt Ion: 96 Resp: 88714
Ion Ratio Lower Upper
96 100
61 158.4 127.9 191.9
98 57.5 50.6 76.0



#22
Diisopropyl ether
Concen: 31.533 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 45 Resp: 381395
Ion Ratio Lower Upper
45 100
43 60.1 46.9 70.3
87 23.8 19.3 28.9
59 10.2 8.7 13.1





#23

Vinyl Acetate

Concen: 151.761 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

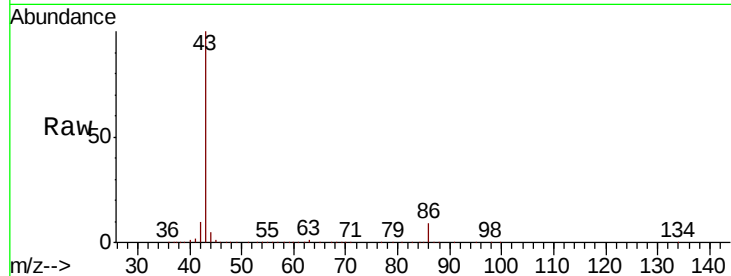
VSTDIC020

Tgt Ion: 43 Resp: 1461471

Ion Ratio Lower Upper

43 100

86 8.8 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN057440.D (-1247) (-)

5.87

400000

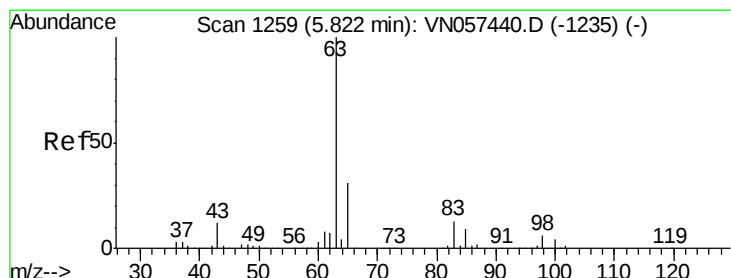
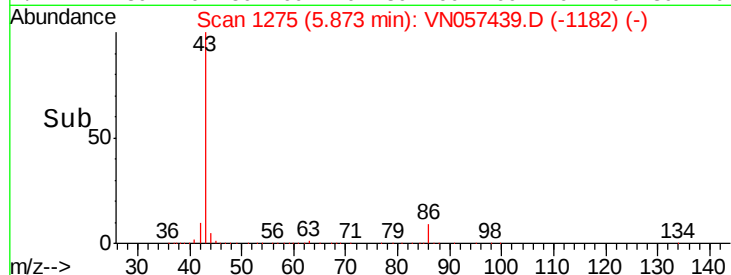
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 27.404 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

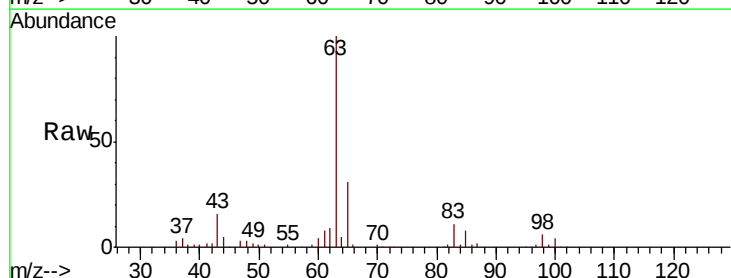
Tgt Ion: 63 Resp: 196189

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.6 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN057440.D (-1235) (-)

Ion 97.90 (97.60 to 98.60): VN057440.D (-1235) (-)

Ion 99.90 (99.60 to 100.60): VN057440.D (-1235) (-)

5.82

80000

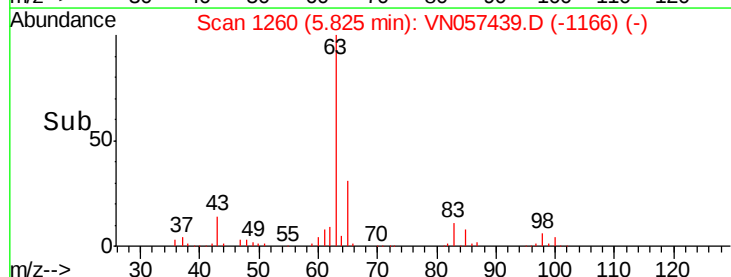
60000

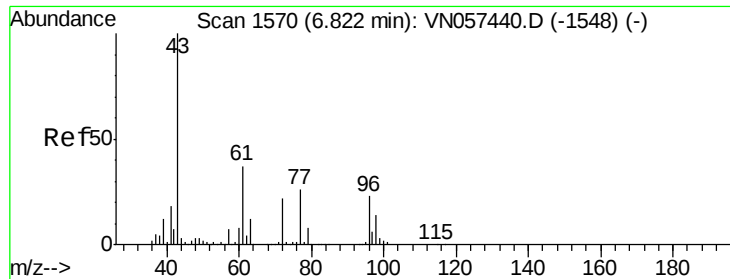
40000

20000

0

Time-->





#25

2-Butanone

Concen: 148.422 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

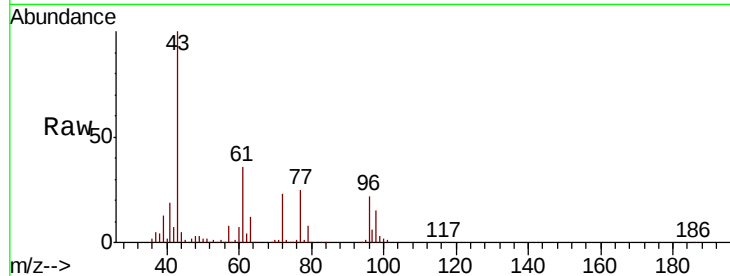
VSTDIC020

Tgt Ion: 43 Resp: 344154

Ion Ratio Lower Upper

43 100

72 23.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN057440.D (-1548) (-)

6.82

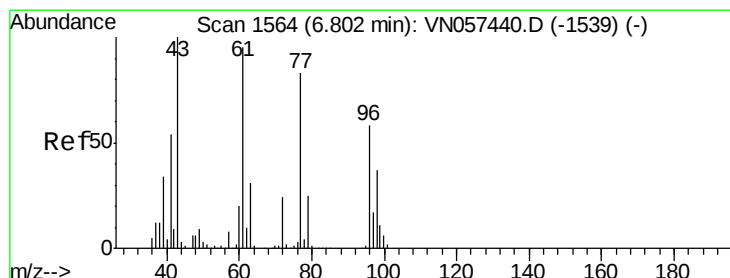
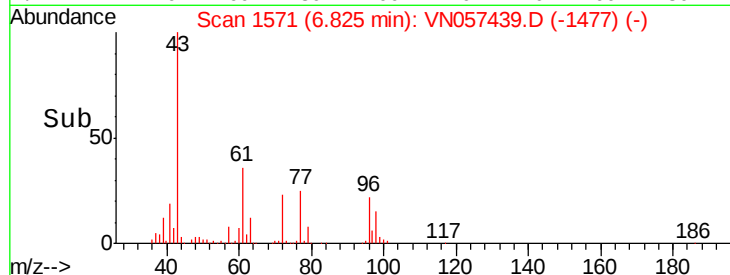
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 28.763 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057439.D

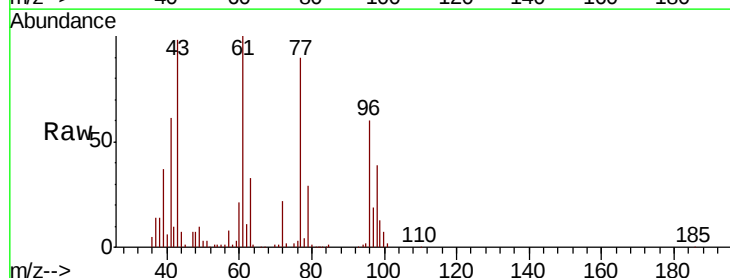
Acq: 22 Aug 2019 17:52

Tgt Ion: 77 Resp: 167804

Ion Ratio Lower Upper

77 100

97 21.1 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN057440.D (-1539) (-)

Ion 96.90 (96.60 to 97.60): VN057440.D (-1539) (-)

6.80

60000

50000

40000

30000

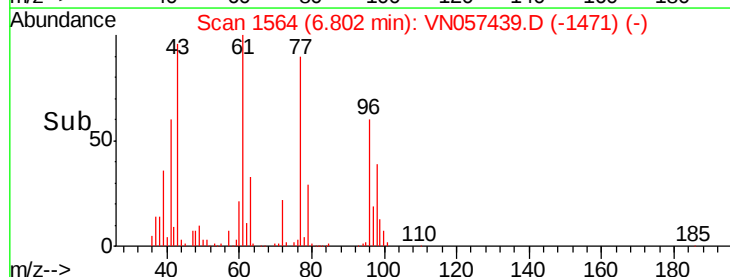
20000

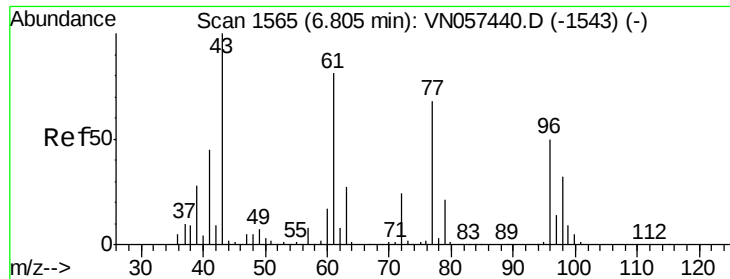
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 23.723 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

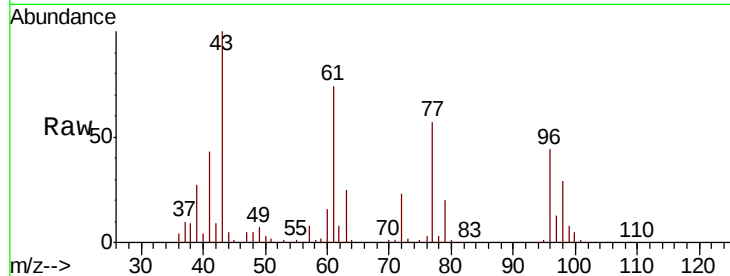
Tgt Ion: 96 Resp: 107362

Ion Ratio Lower Upper

96 100

61 171.1 0.0 334.8

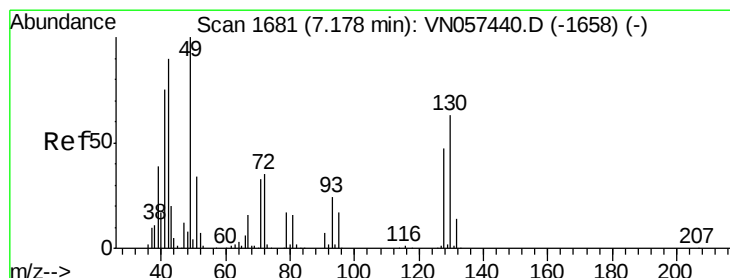
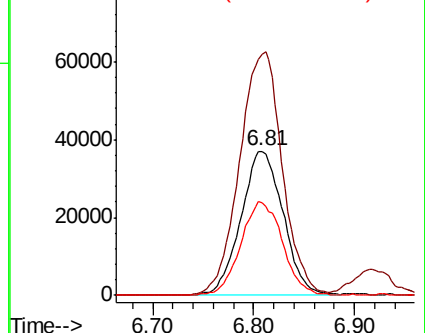
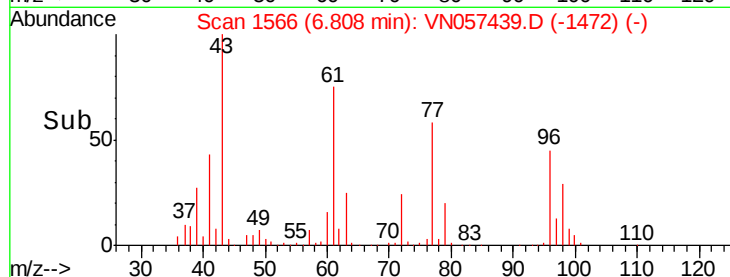
98 64.6 0.0 127.4



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: 34.711 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

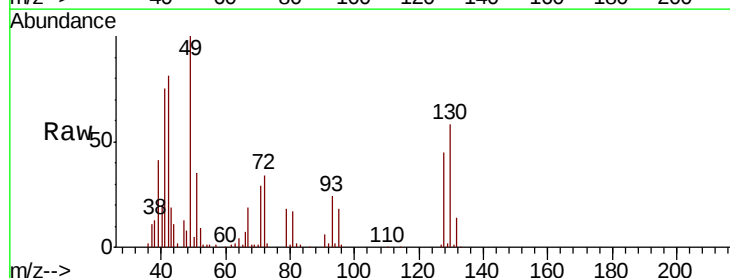
Tgt Ion: 49 Resp: 118295

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

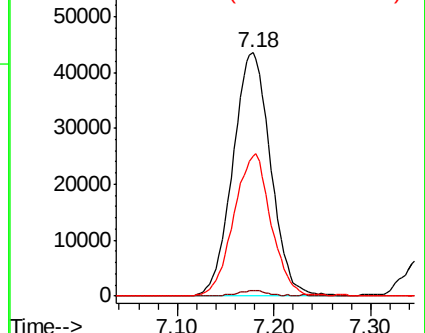
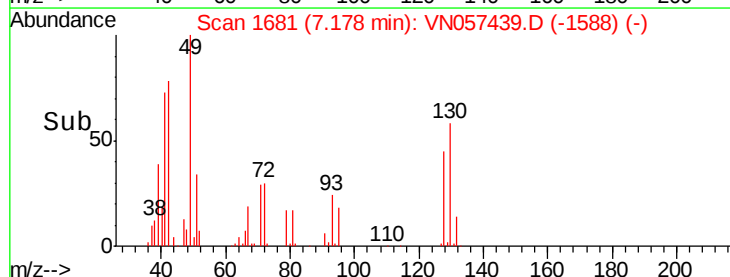
130 57.4 48.6 72.8

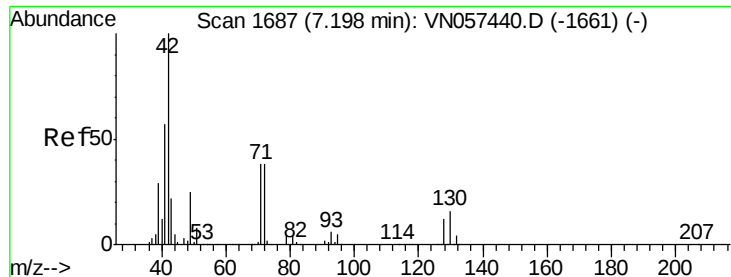


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

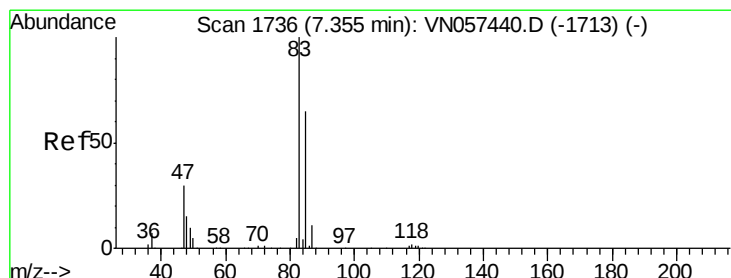
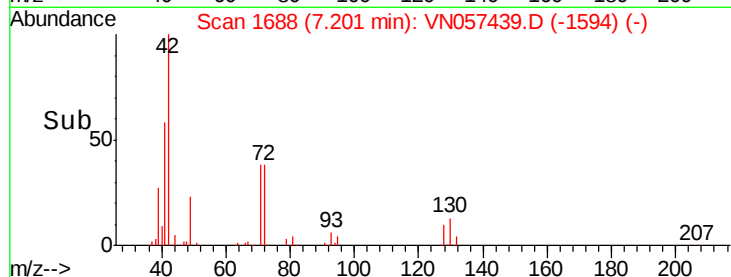
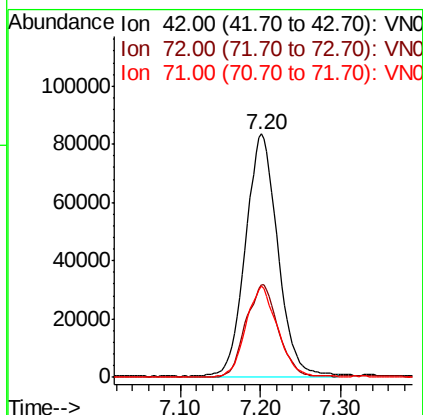
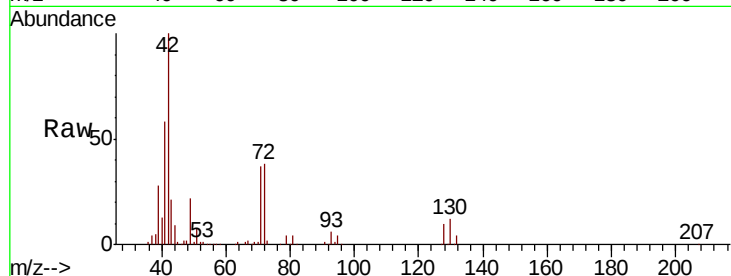




#29
Tetrahydrofuran
Concen: 153.065 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

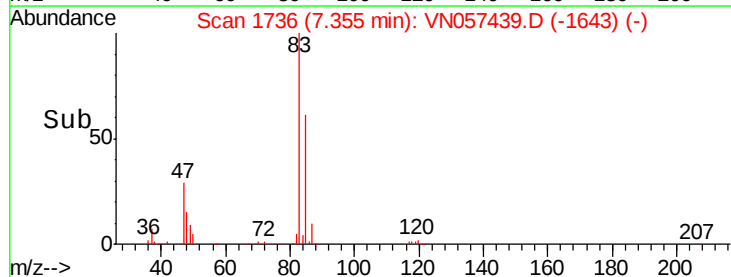
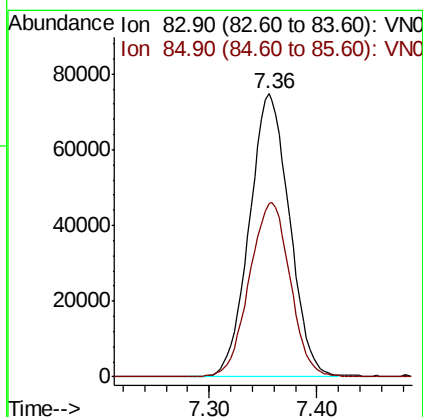
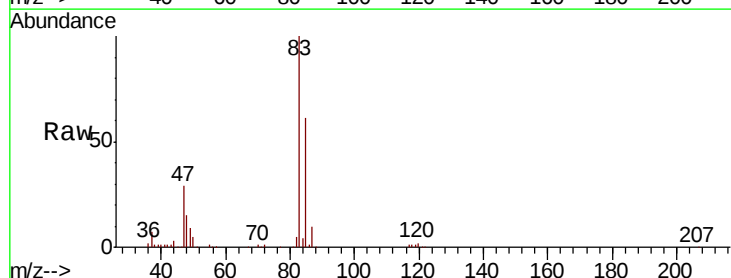
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

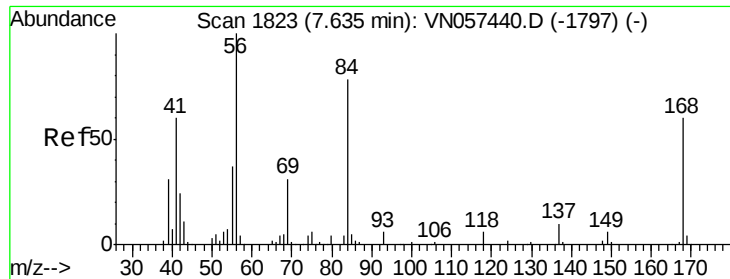
Tgt Ion: 42 Resp: 227449
Ion Ratio Lower Upper
42 100
72 38.5 30.1 45.1
71 36.9 28.8 43.2



#30
Chloroform
Concen: 26.009 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 83 Resp: 192734
Ion Ratio Lower Upper
83 100
85 61.3 51.9 77.9

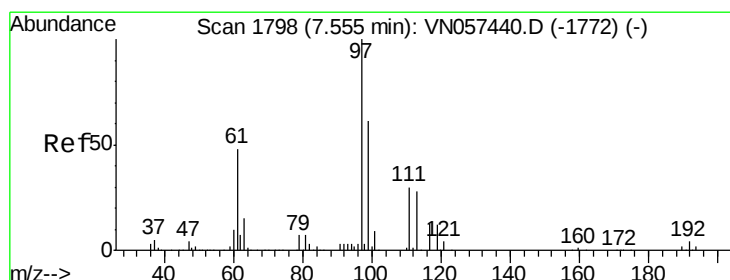
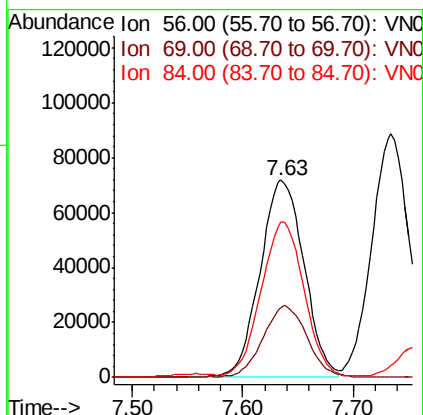
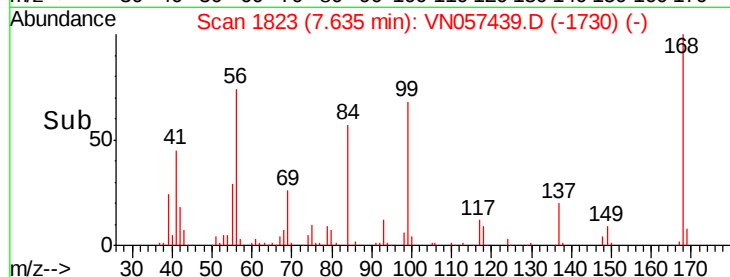
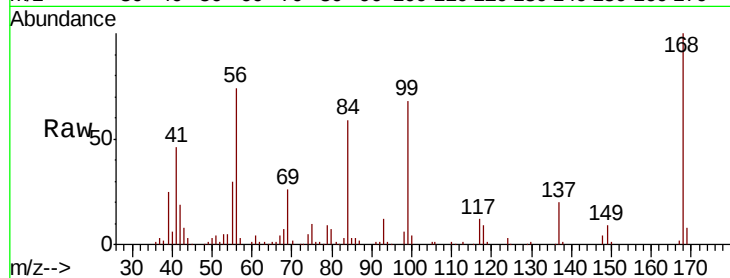




#31
Cyclohexane
Concen: 30.168 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

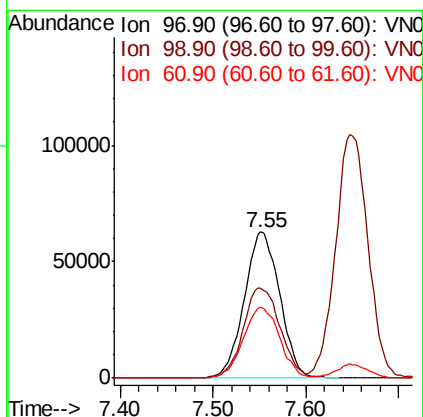
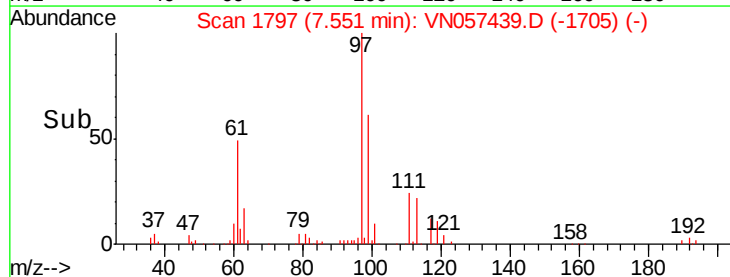
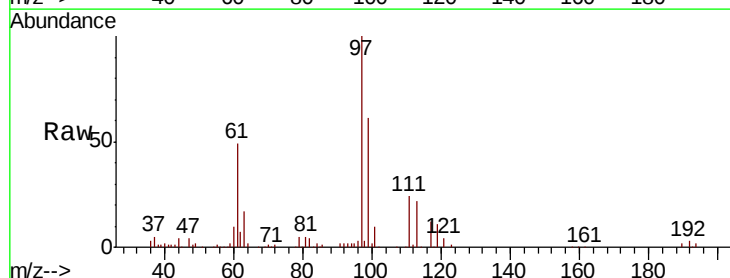
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

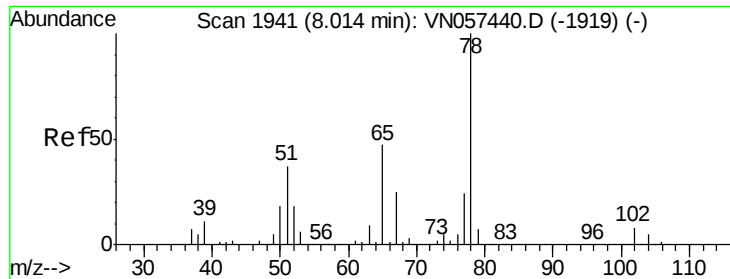
Tgt Ion: 56 Resp: 196970
Ion Ratio Lower Upper
56 100
69 35.3 25.0 37.6
84 77.0 62.5 93.7



#32
1,1,1-Trichloroethane
Concen: 26.809 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 97 Resp: 167117
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.6
61 49.8 39.8 59.6





#33

1,2-Dichloroethane-d4

Concen: 30.065 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

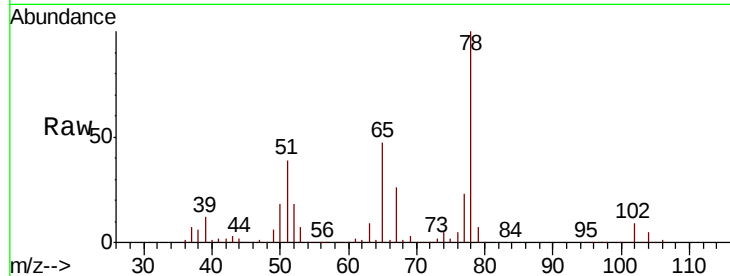
VSTDIC020

Tgt Ion: 65 Resp: 144556

Ion Ratio Lower Upper

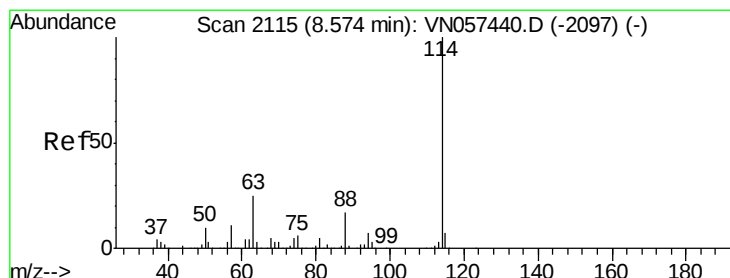
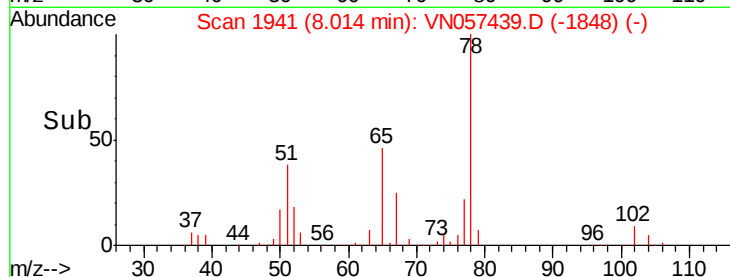
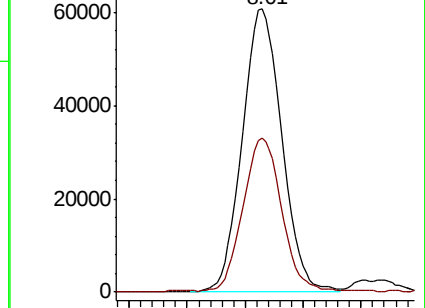
65 100

67 52.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN057439.D (-1848) (-)

Ion 66.90 (66.60 to 67.60): VN057439.D (-1848) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

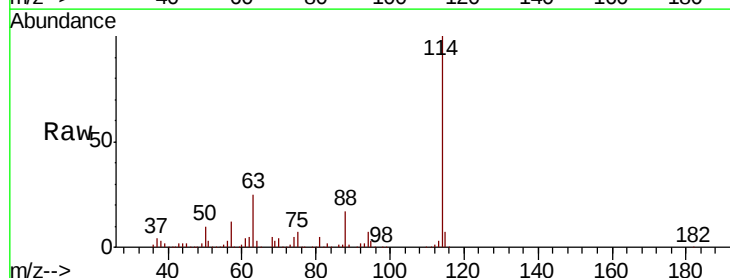
Tgt Ion: 114 Resp: 704724

Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.2

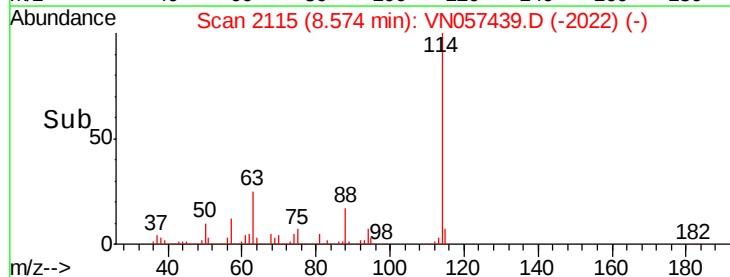
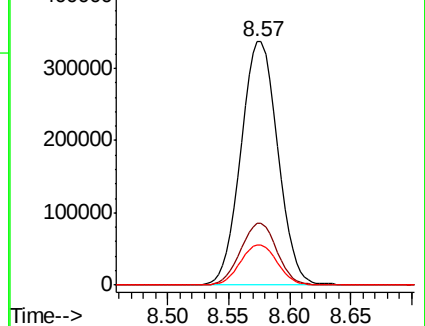
88 16.6 0.0 34.6

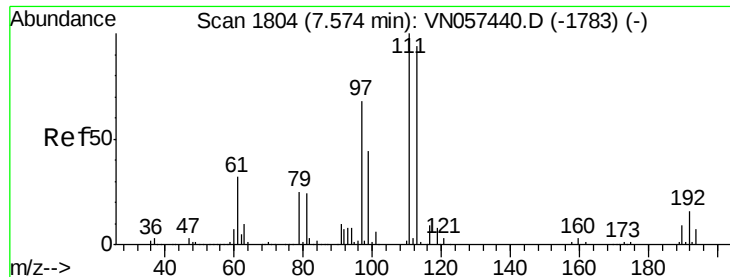


Abundance Ion 113.90 (113.60 to 114.60): VN057439.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN057439.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN057439.D (-2022) (-)

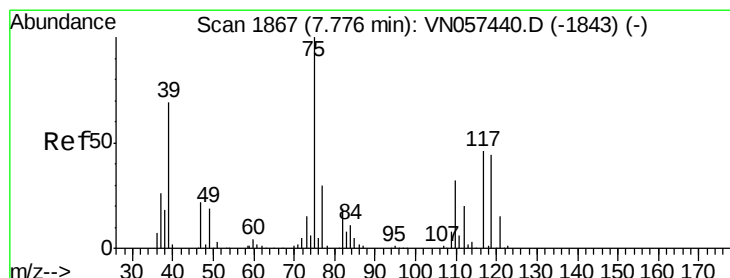
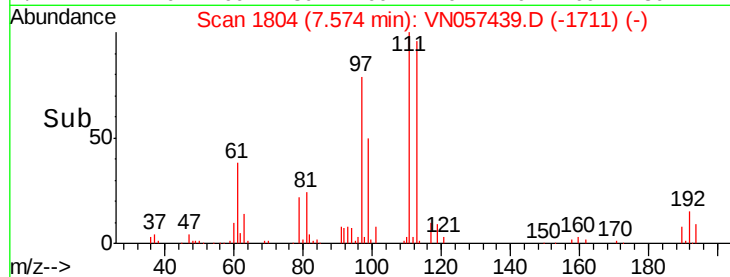
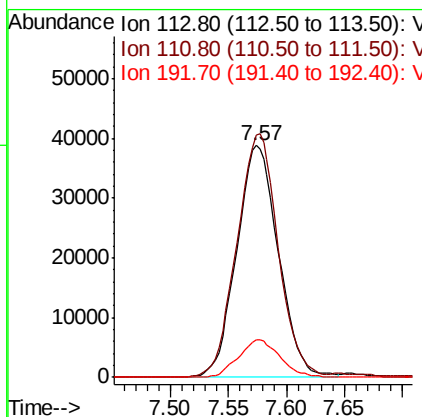
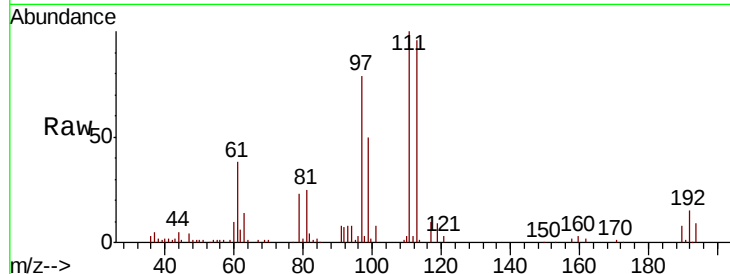




#35
 Dibromofluoromethane
 Concen: 20.876 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

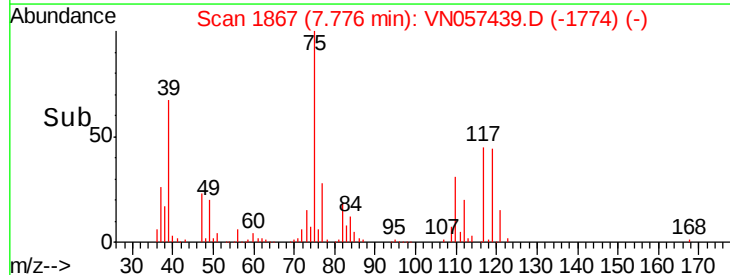
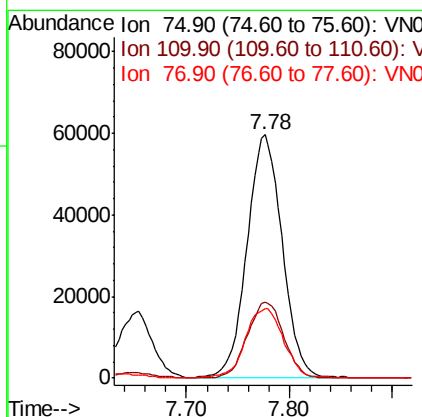
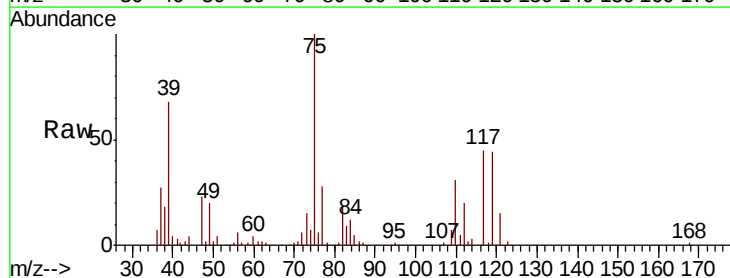
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

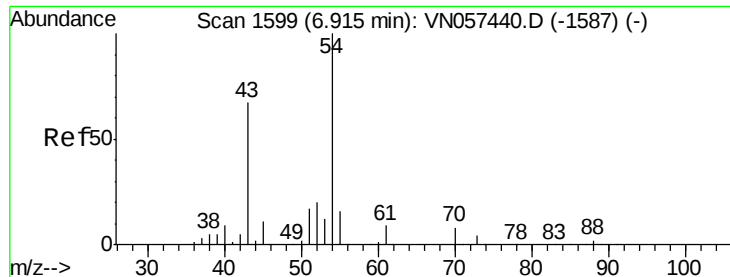
Tgt Ion: 113 Resp: 97267
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.8 125.6
 192 16.1 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 22.339 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion: 75 Resp: 141704
 Ion Ratio Lower Upper
 75 100
 110 32.1 16.1 48.3
 77 31.0 24.8 37.2





#37

Ethyl Acetate

Concen: 27.357 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

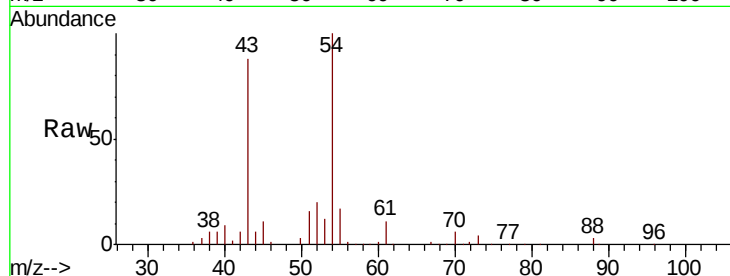
Tgt Ion: 43 Resp: 145997

Ion Ratio Lower Upper

43 100

61 12.1 9.9 14.9

70 8.7 7.0 10.6

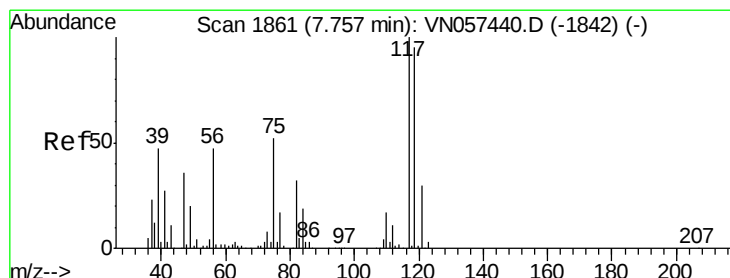
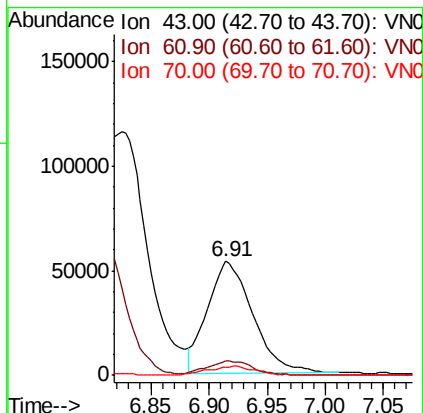
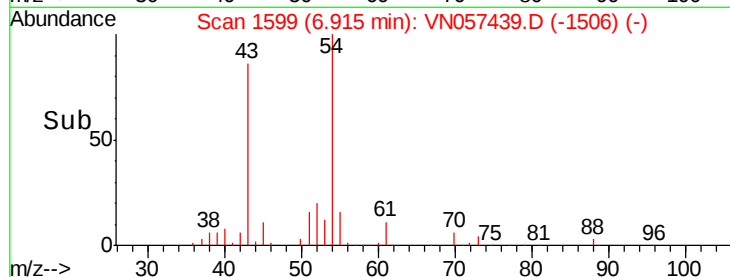


Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN057440.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN057440.D (-1587) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 21.038 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

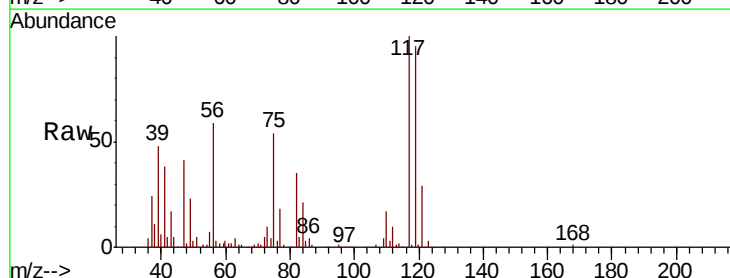
Tgt Ion: 117 Resp: 137329

Ion Ratio Lower Upper

117 100

119 95.1 76.2 114.4

121 29.0 23.8 35.6

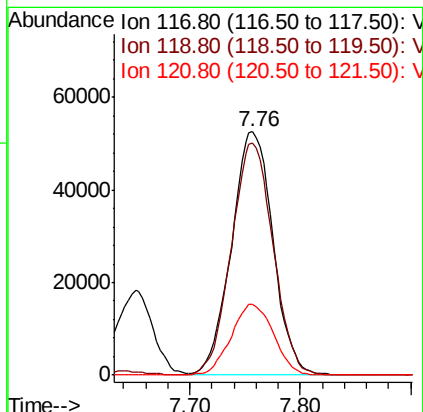
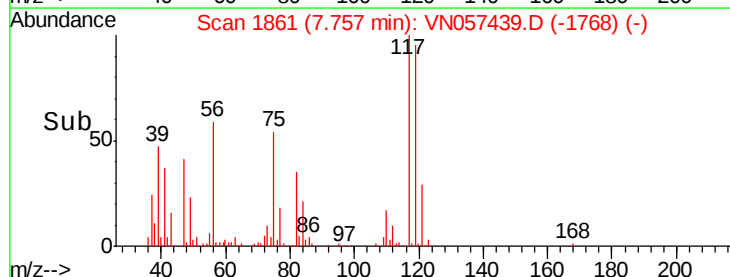


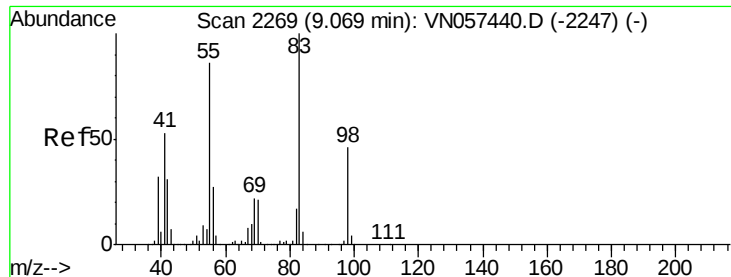
Abundance Ion 116.80 (116.50 to 117.50): VN057440.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN057440.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN057440.D (-1842) (-)

Time-->

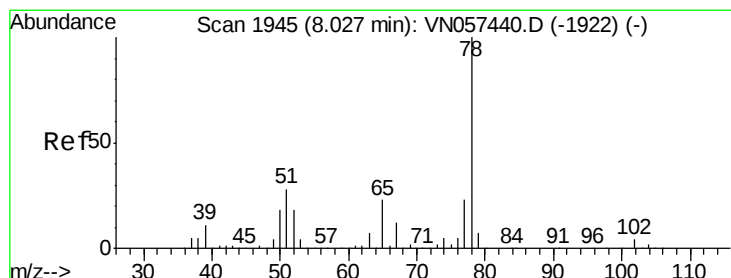
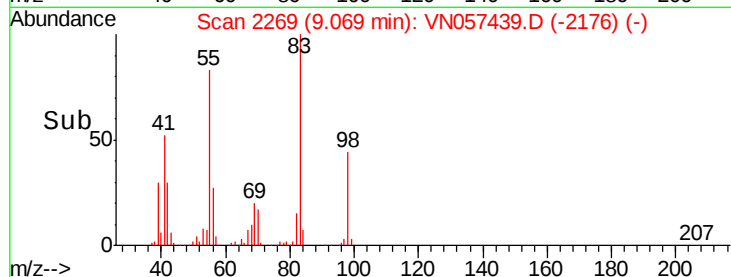
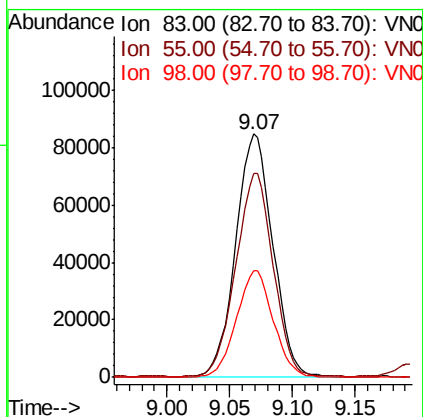
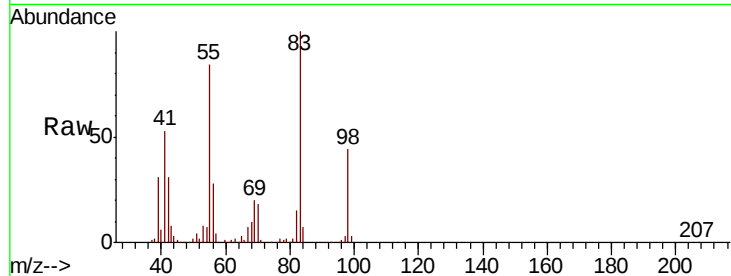




#39
Methylcyclohexane
Concen: 23.390 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

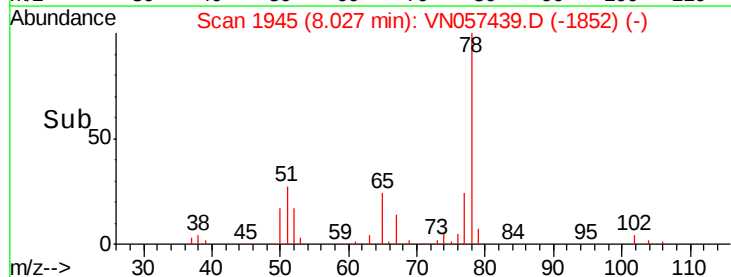
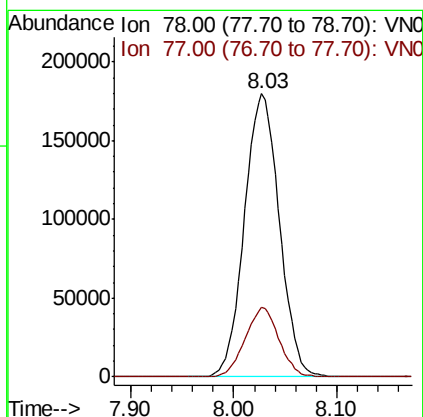
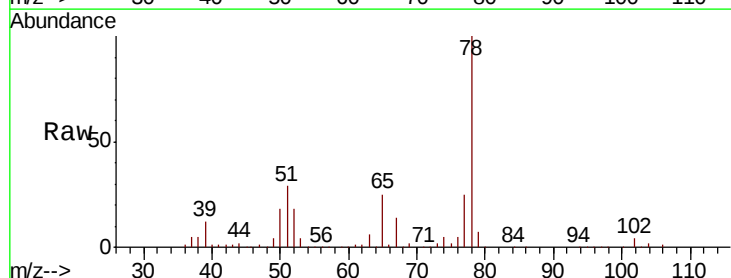
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

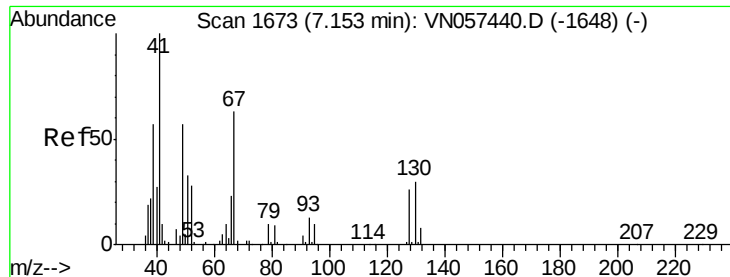
Tgt Ion: 83 Resp: 174092
Ion Ratio Lower Upper
83 100
55 83.5 68.6 102.8
98 43.7 36.6 54.8



#40
Benzene
Concen: 21.962 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 78 Resp: 423646
Ion Ratio Lower Upper
78 100
77 24.6 18.5 27.7





#41

Methacrylonitrile

Concen: 28.661 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 69800

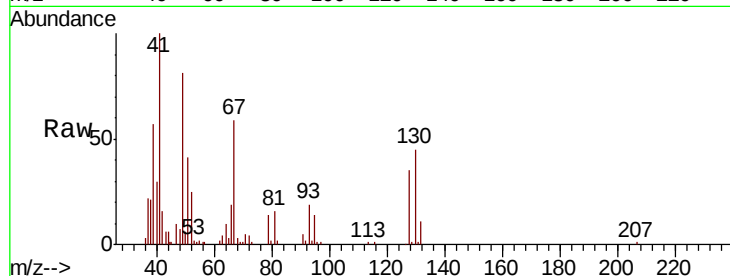
Ion Ratio Lower Upper

41 100

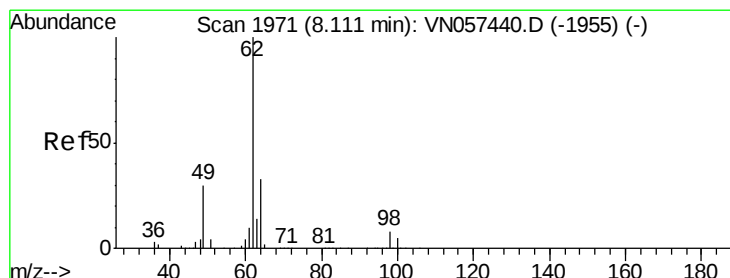
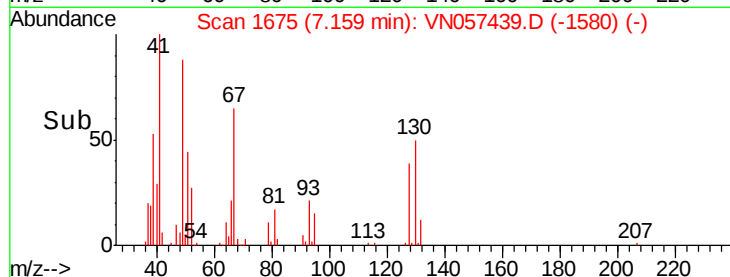
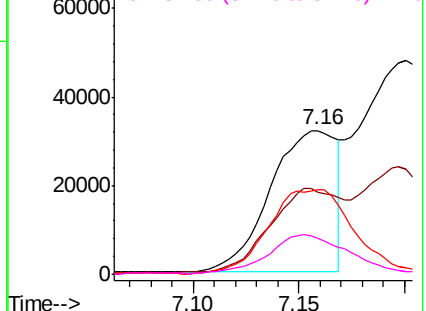
39 63.0 53.6 80.4

67 77.8 65.4 98.2

52 35.1 29.8 44.6



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



#42

1,2-Dichloroethane

Concen: 24.634 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057439.D

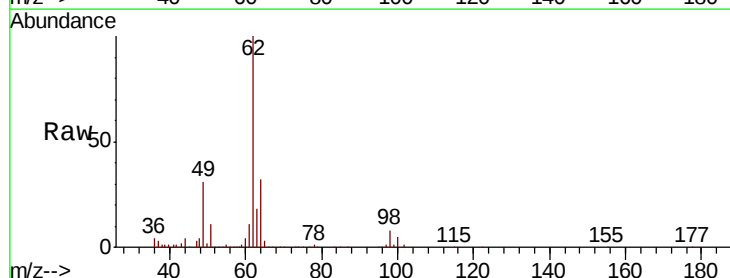
Acq: 22 Aug 2019 17:52

Tgt Ion: 62 Resp: 161359

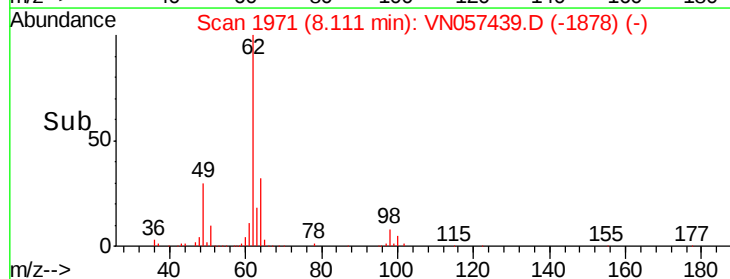
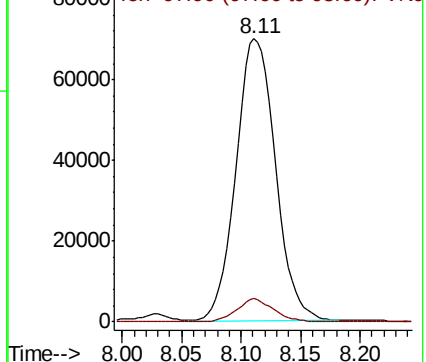
Ion Ratio Lower Upper

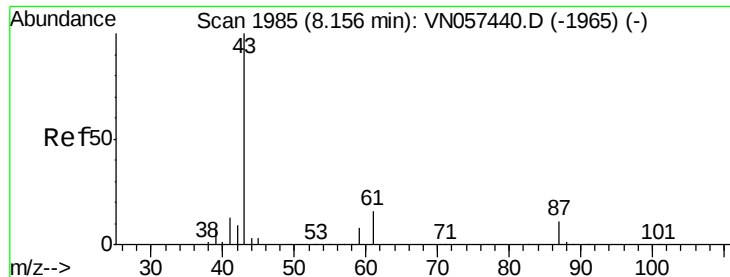
62 100

98 7.1 0.0 15.4



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





#43

Isopropyl Acetate

Concen: 22.485 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

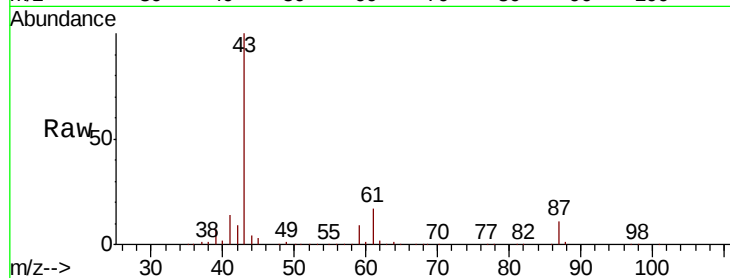
Tgt Ion: 43 Resp: 258037

Ion Ratio Lower Upper

43 100

61 18.1 14.5 21.7

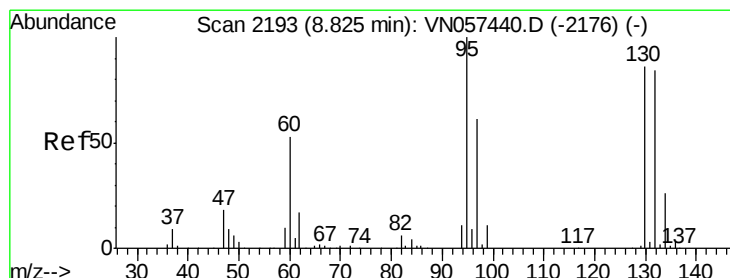
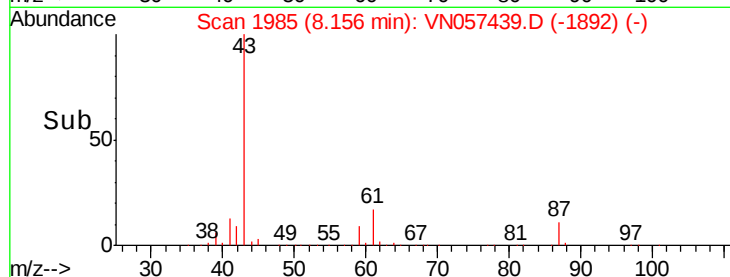
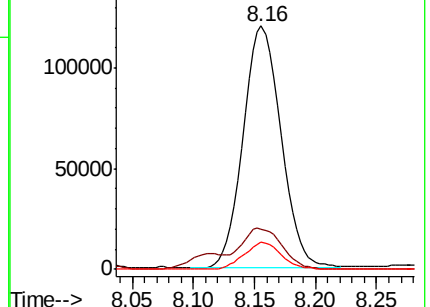
87 11.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN057440.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN057440.D (-1965) (-)



#44

Trichloroethene

Concen: 18.230 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057439.D

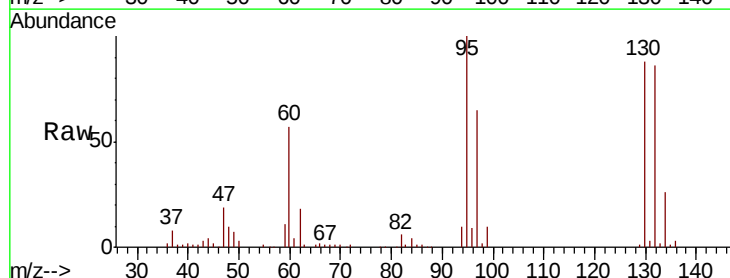
Acq: 22 Aug 2019 17:52

Tgt Ion: 130 Resp: 95949

Ion Ratio Lower Upper

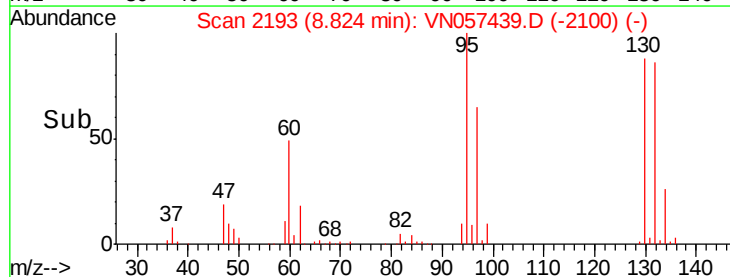
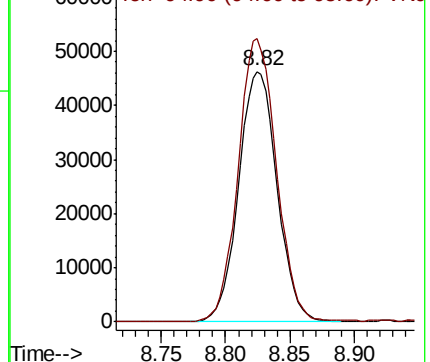
130 100

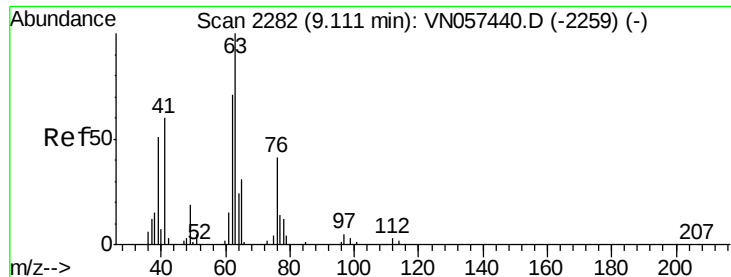
95 113.1 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): VN057440.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057440.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 23.439 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

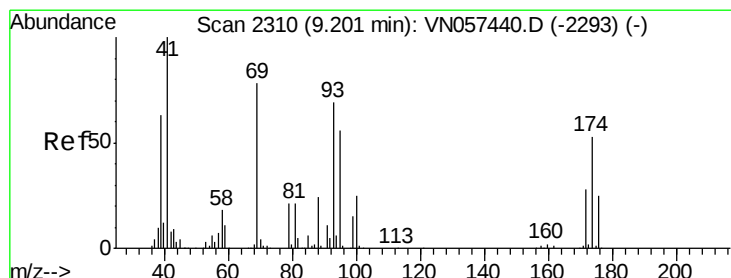
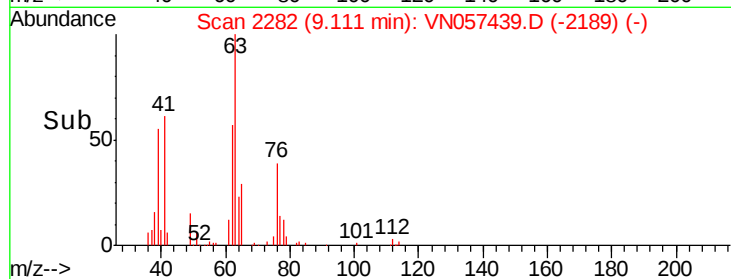
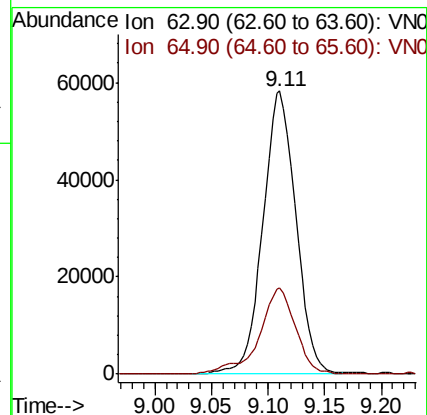
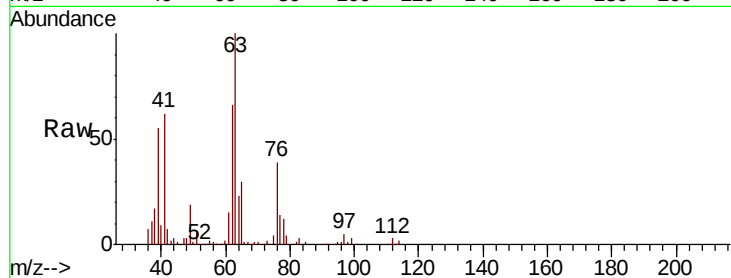
VSTDIC020

Tgt Ion: 63 Resp: 118099

Ion Ratio Lower Upper

63 100

65 30.0 24.7 37.1



#46

Dibromomethane

Concen: 21.432 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

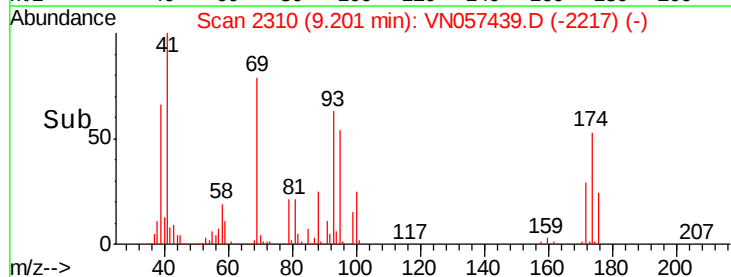
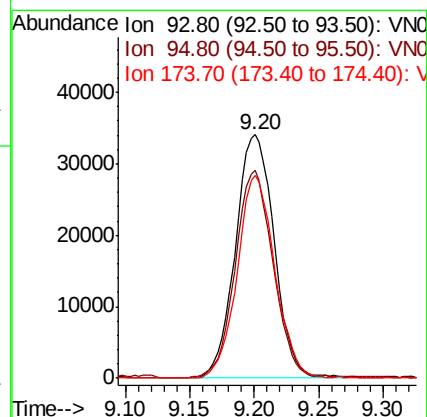
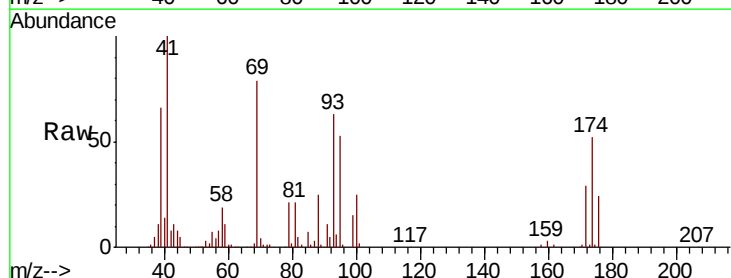
Tgt Ion: 93 Resp: 71306

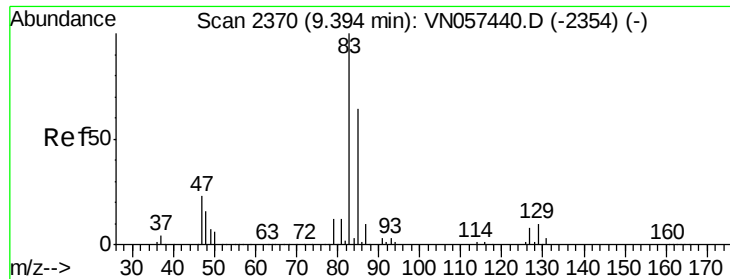
Ion Ratio Lower Upper

93 100

95 83.1 64.7 97.1

174 80.3 62.3 93.5





#47

Bromodichloromethane

Concen: 23.030 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

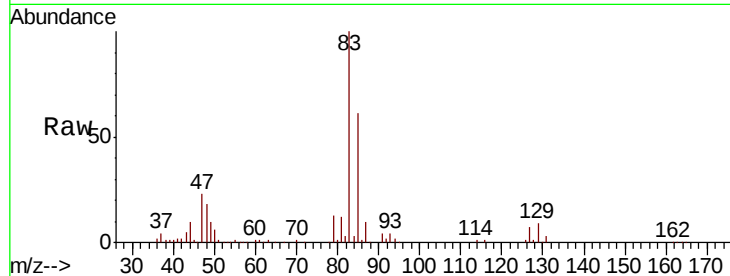
Tgt Ion: 83 Resp: 153021

Ion Ratio Lower Upper

83 100

85 60.6 51.2 76.8

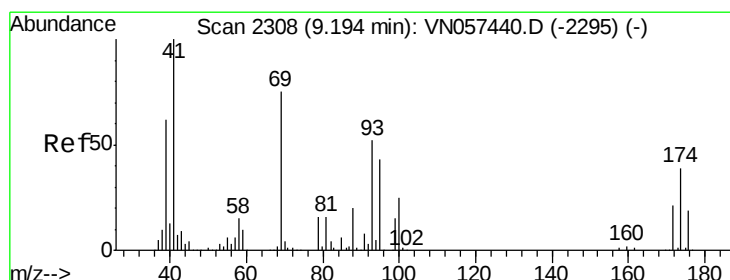
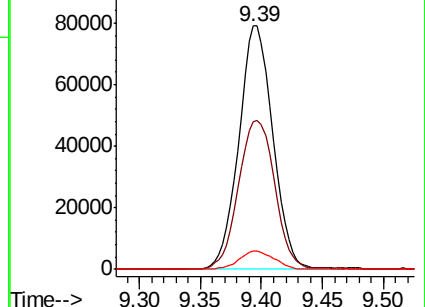
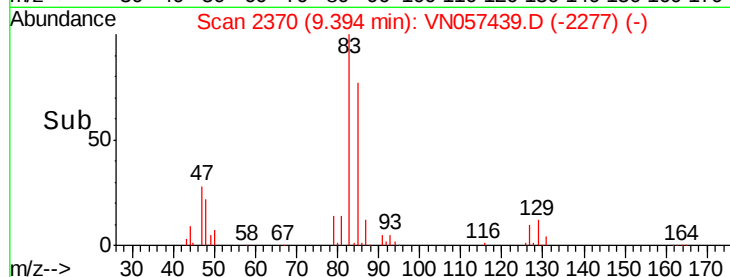
127 7.5 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN057440.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN057440.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN057440.D (-2354) (-)



#48

Methyl methacrylate

Concen: 26.778 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

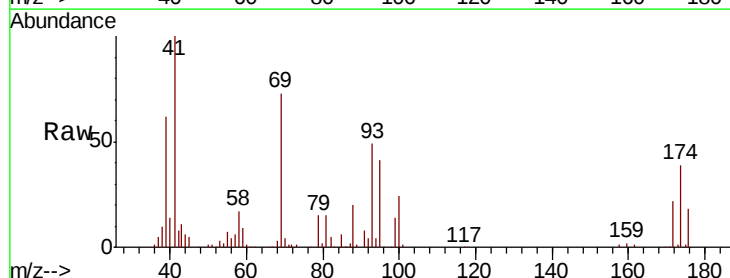
Tgt Ion: 41 Resp: 119739

Ion Ratio Lower Upper

41 100

69 74.3 59.3 88.9

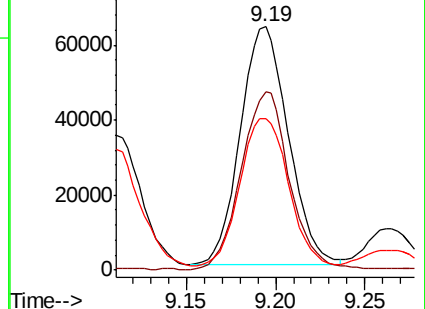
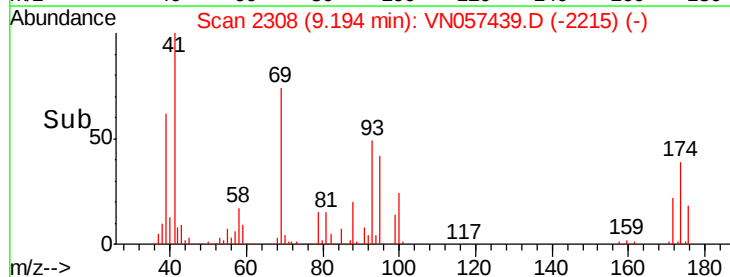
39 64.5 50.6 75.8

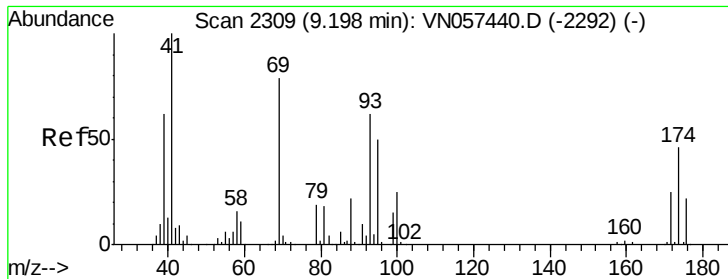


Abundance Ion 41.00 (40.70 to 41.70): VN057440.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057440.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057440.D (-2295) (-)

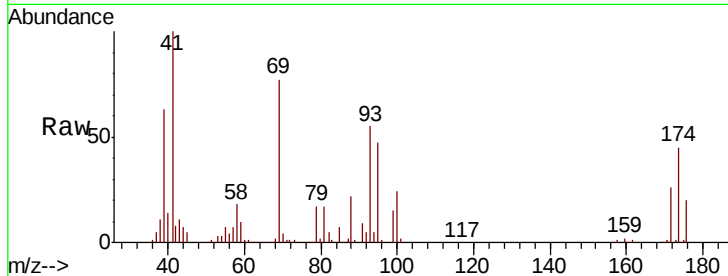




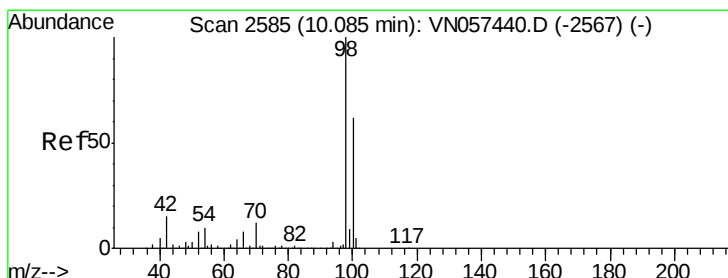
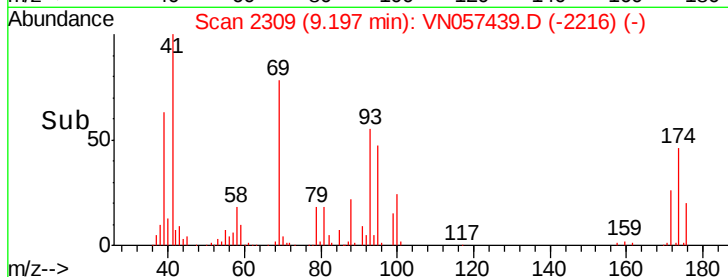
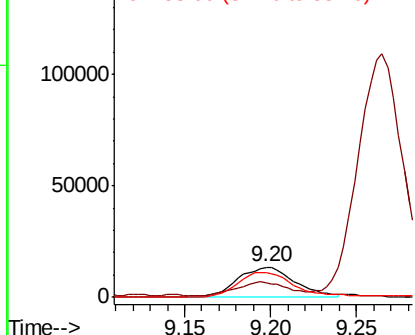
#49
1,4-Dioxane
Concen: 366.757 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 31388
Ion Ratio Lower Upper
88 100
43 41.7 31.0 46.6
58 82.7 64.5 96.7

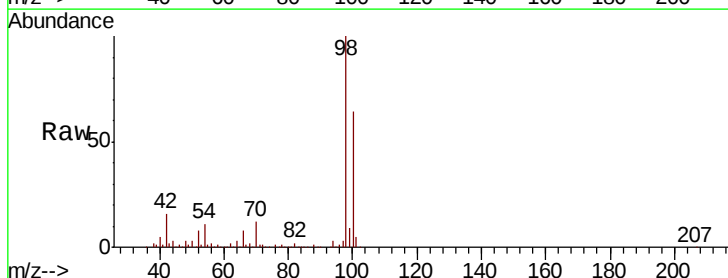


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

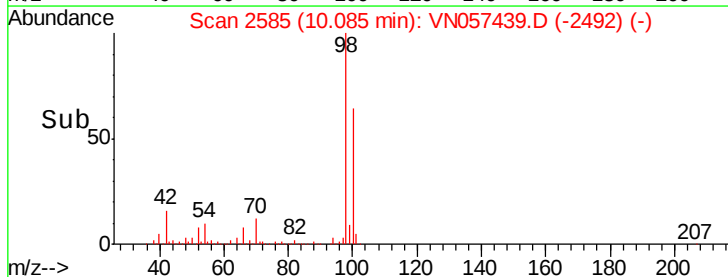
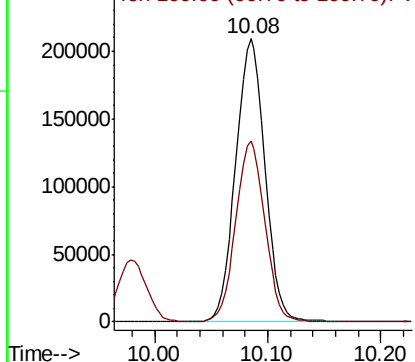


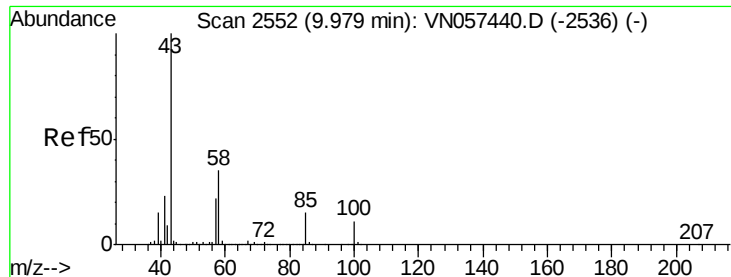
#50
Toluene-d8
Concen: 22.028 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 98 Resp: 378899
Ion Ratio Lower Upper
98 100
100 63.1 50.4 75.6



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

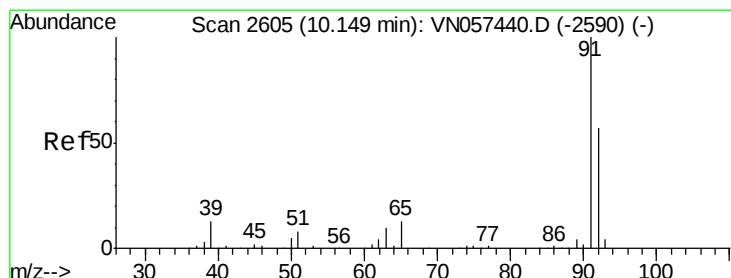
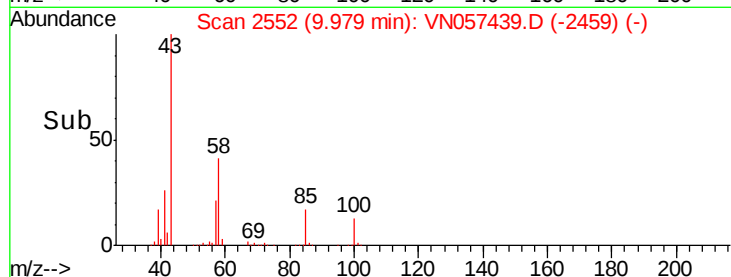
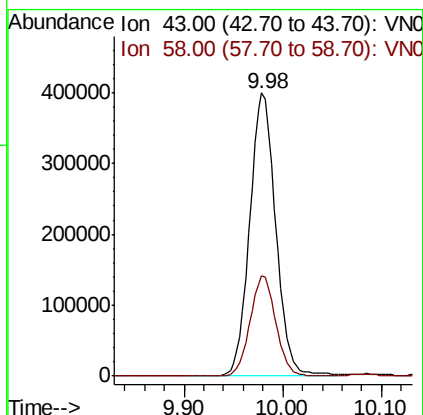
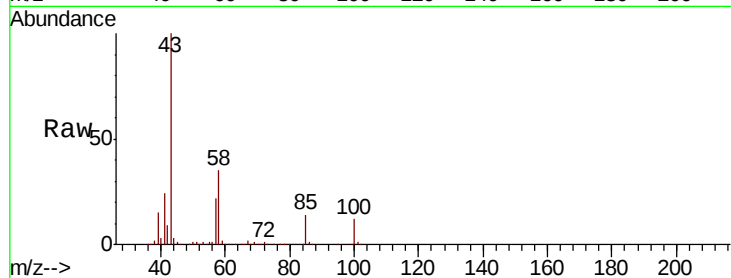




#51
 4-Methyl-2-Pentanone
 Concen: 130.189 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

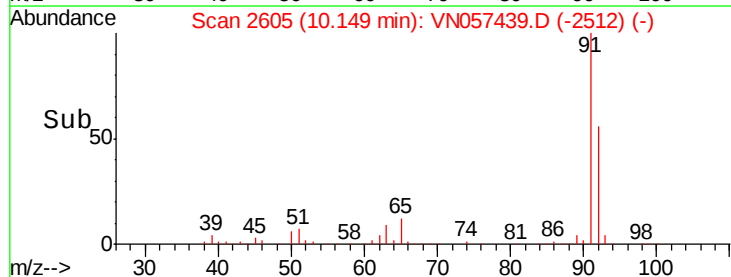
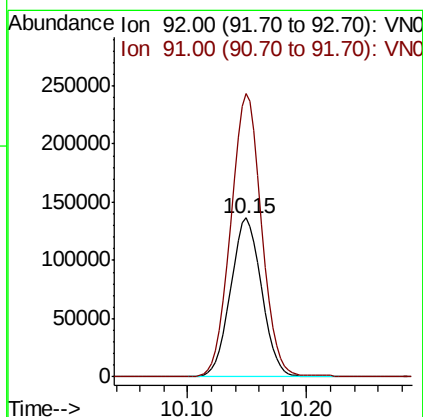
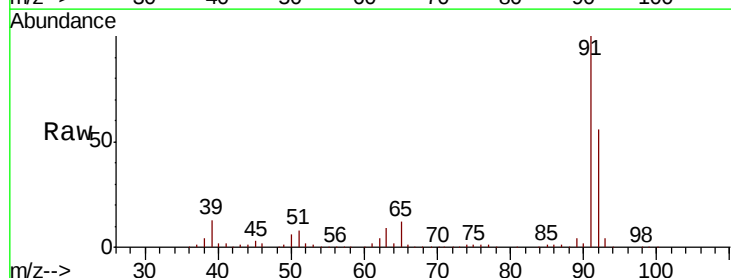
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

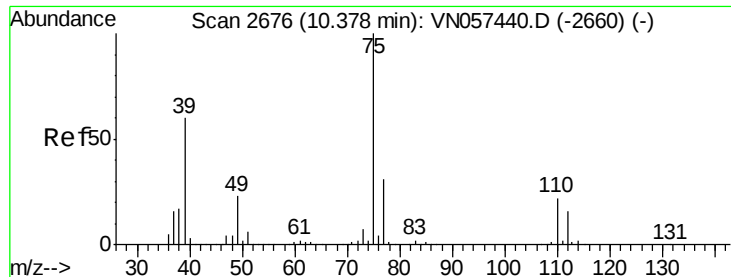
Tgt Ion: 43 Resp: 721038
 Ion Ratio Lower Upper
 43 100
 58 35.1 27.9 41.9



#52
 Toluene
 Concen: 20.817 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion: 92 Resp: 247167
 Ion Ratio Lower Upper
 92 100
 91 175.9 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 22.340 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

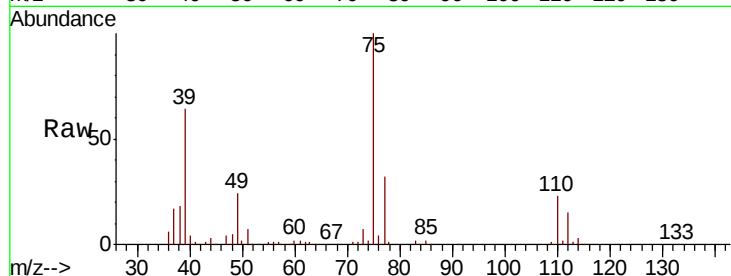
VSTDIC020

Tgt Ion: 75 Resp: 159846

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

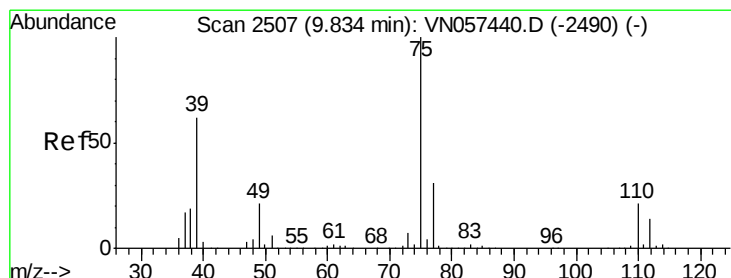
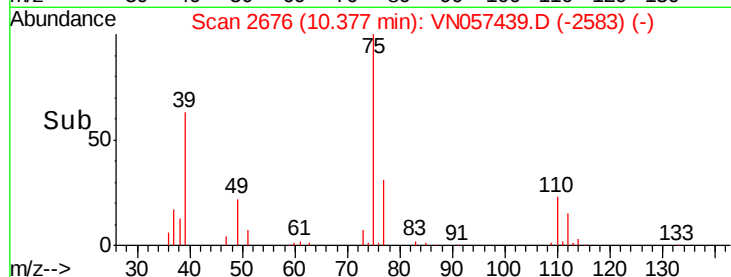
60000

40000

20000

0

Time--> 10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 22.511 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

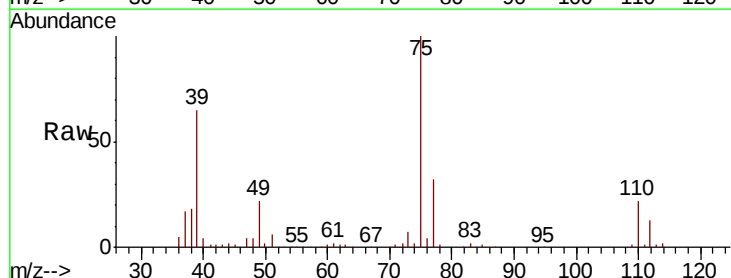
Tgt Ion: 75 Resp: 177159

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6

39 65.0 49.2 73.8



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

9.83

120000

100000

80000

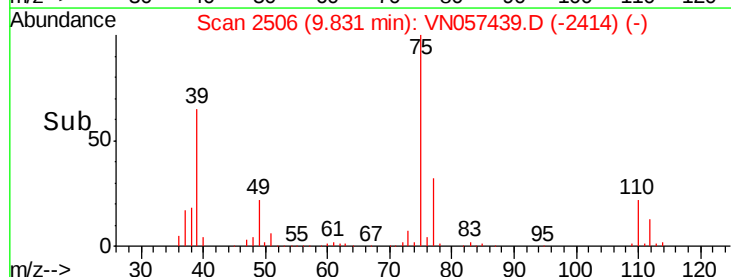
60000

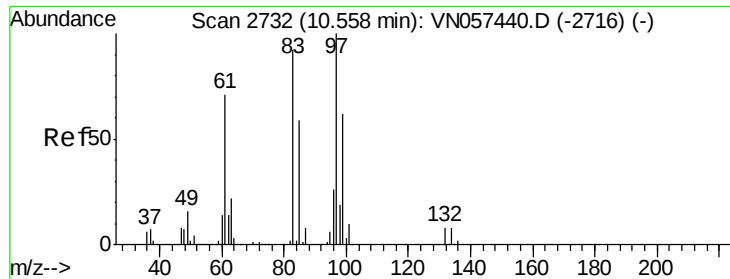
40000

20000

0

Time--> 9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 20.654 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 96359

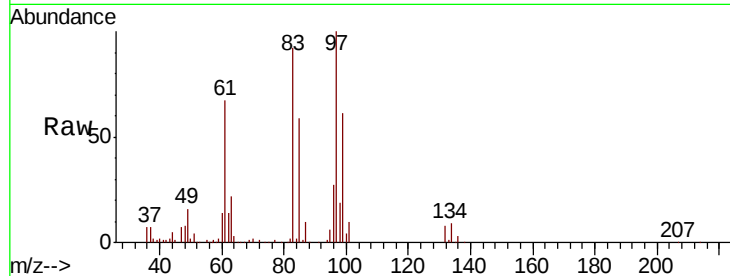
Ion Ratio Lower Upper

97 100

83 91.5 73.7 110.5

85 59.1 46.8 70.2

99 61.4 49.8 74.8

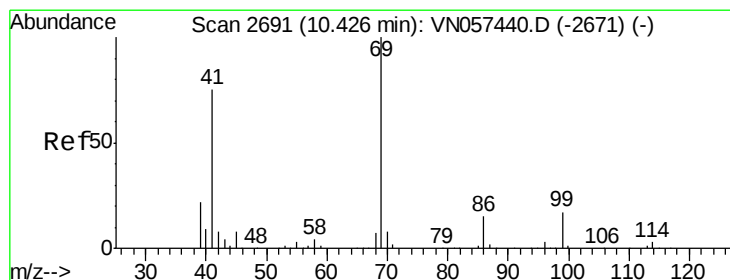
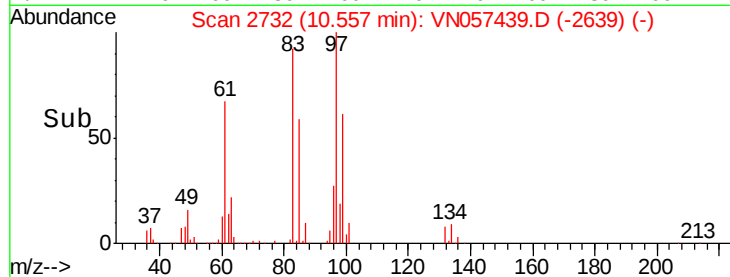
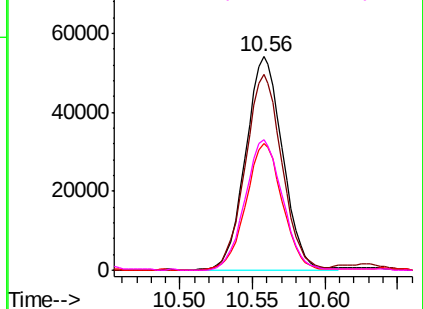


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 22.615 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

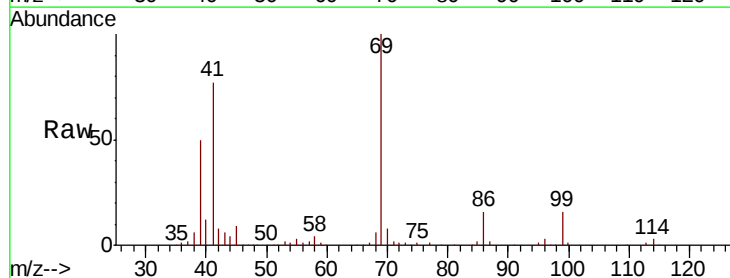
Tgt Ion: 69 Resp: 156337

Ion Ratio Lower Upper

69 100

41 76.5 60.8 91.2

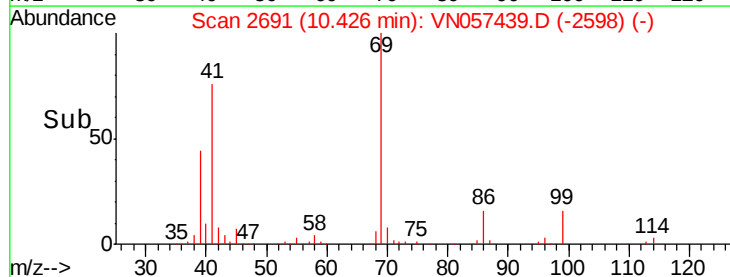
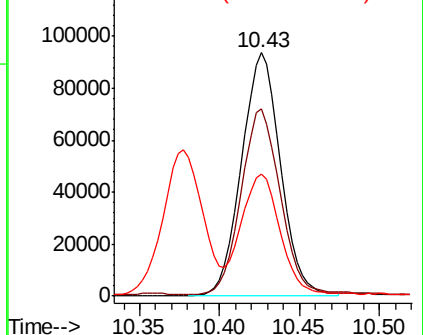
39 48.9 36.5 54.7

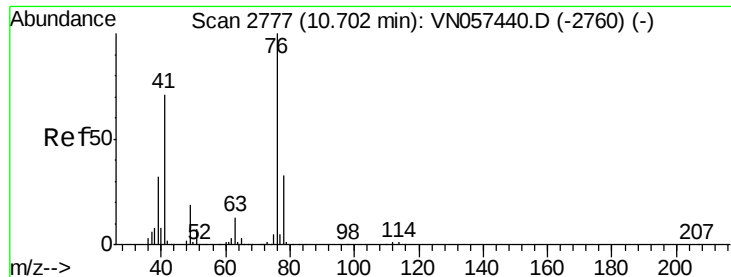


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.991 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

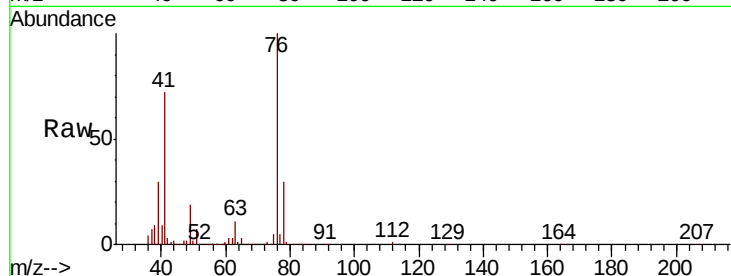
VSTDIC020

Tgt Ion: 76 Resp: 173502

Ion Ratio Lower Upper

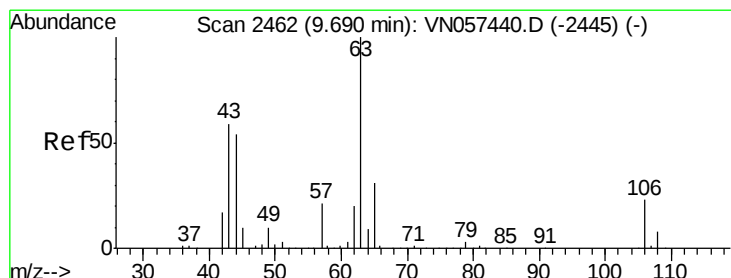
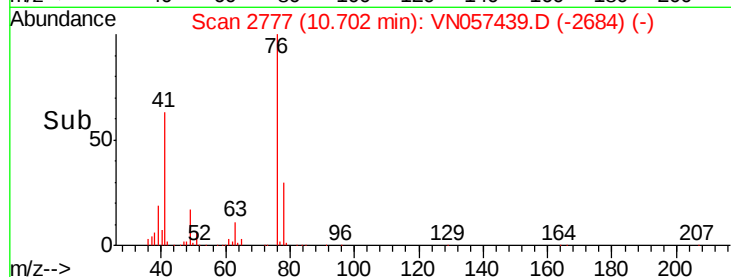
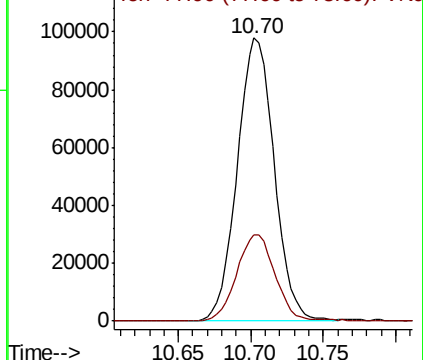
76 100

78 31.8 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.080 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057439.D

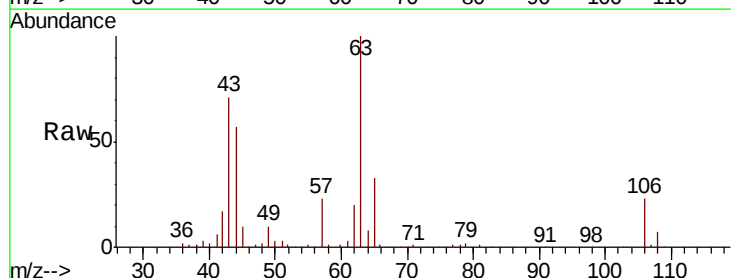
Acq: 22 Aug 2019 17:52

Tgt Ion: 63 Resp: 175751

Ion Ratio Lower Upper

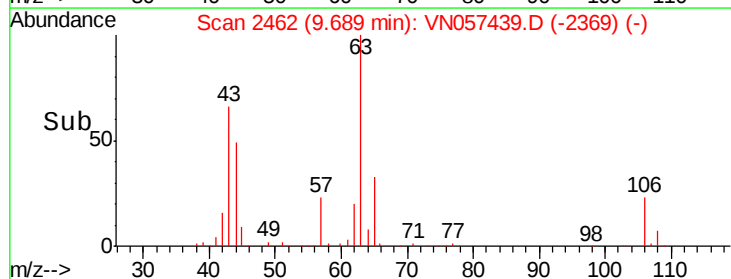
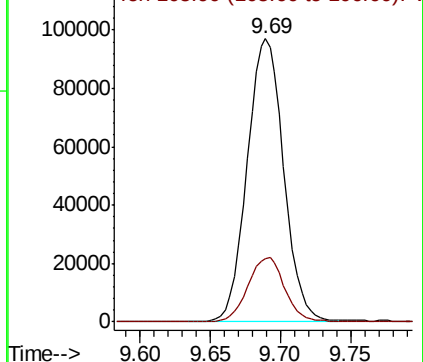
63 100

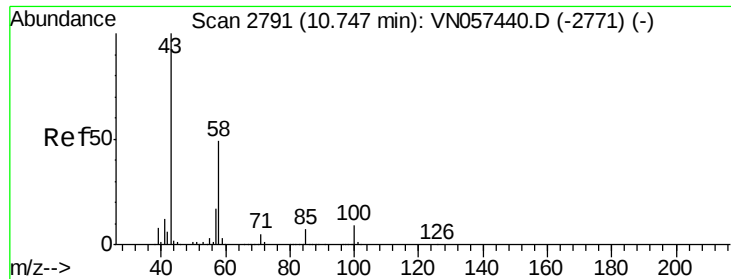
106 23.0 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

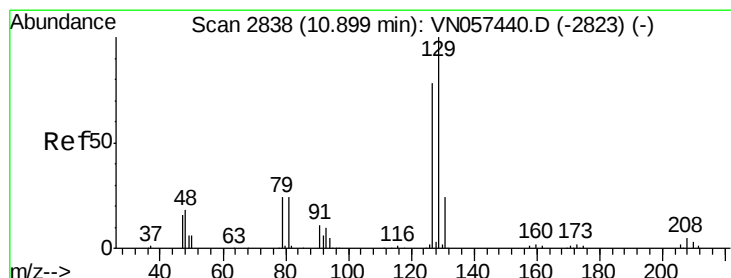
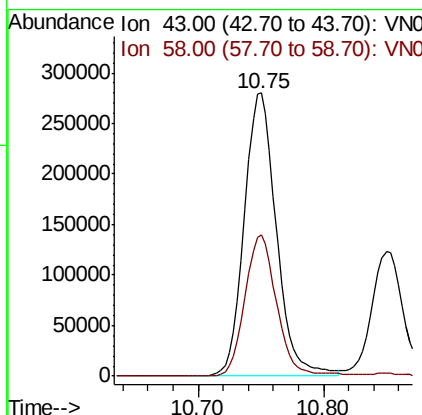
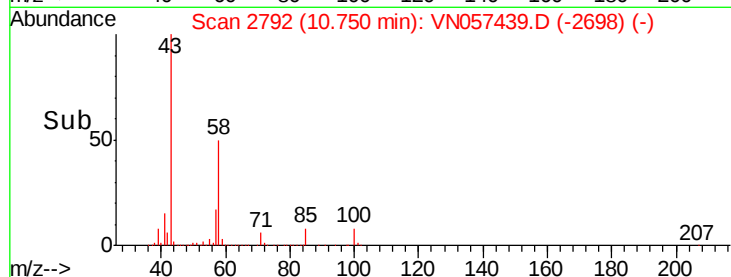
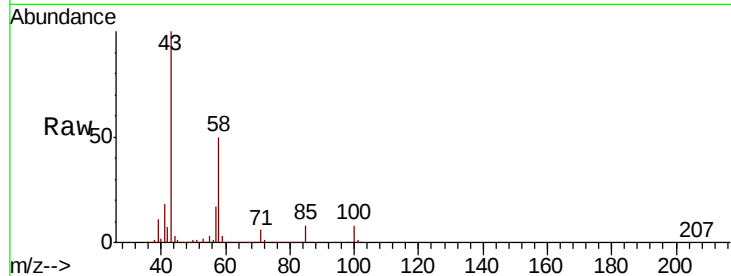




#59
2-Hexanone
Concen: 125.545 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

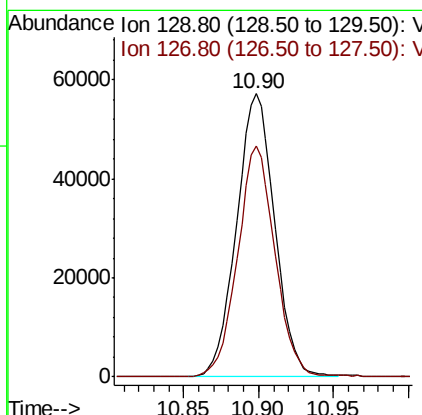
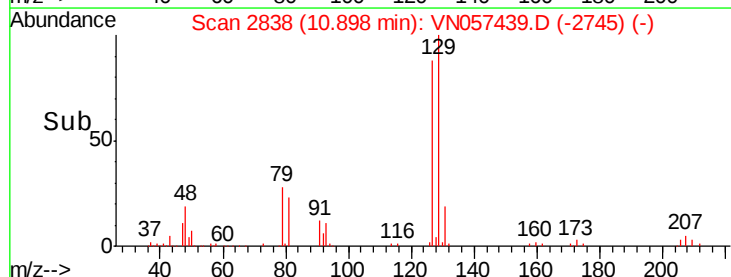
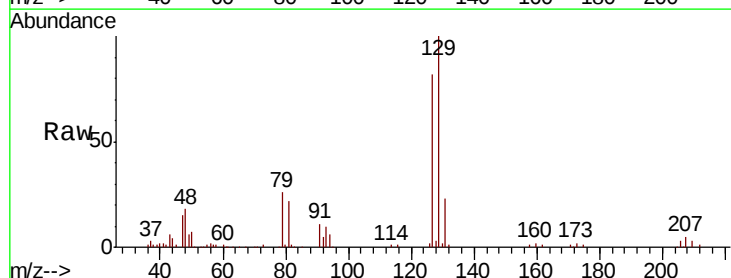
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

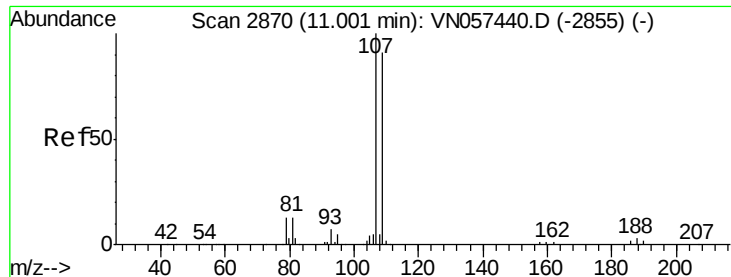
Tgt Ion: 43 Resp: 493957
Ion Ratio Lower Upper
43 100
58 50.1 24.6 73.6



#60
Dibromochloromethane
Concen: 19.585 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 129 Resp: 101421
Ion Ratio Lower Upper
129 100
127 80.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.709 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

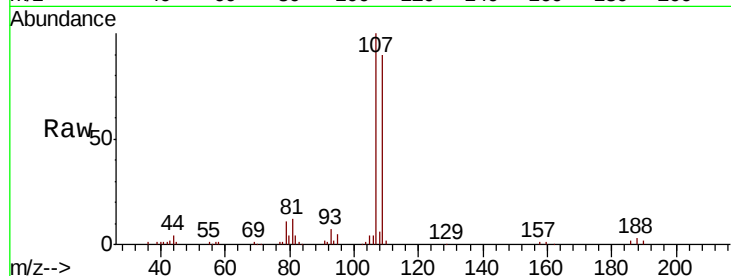
VSTDIC020

Tgt Ion: 107 Resp: 97326

Ion Ratio Lower Upper

107 100

109 91.5 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

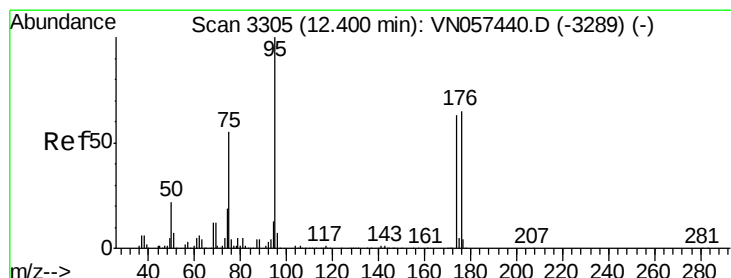
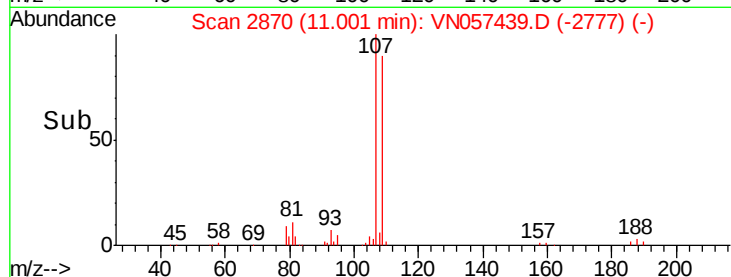
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 18.919 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

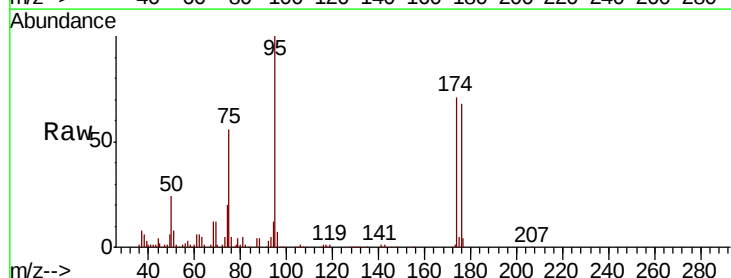
Tgt Ion: 95 Resp: 114441

Ion Ratio Lower Upper

95 100

174 70.8 0.0 133.0

176 66.2 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

80000

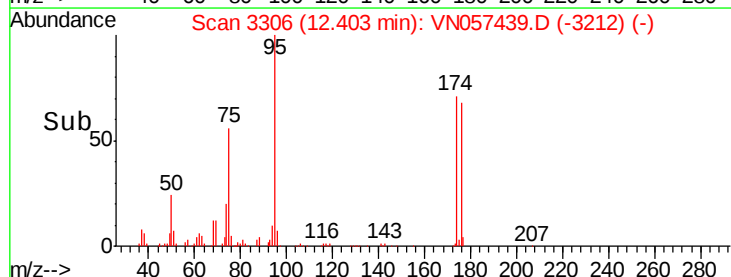
60000

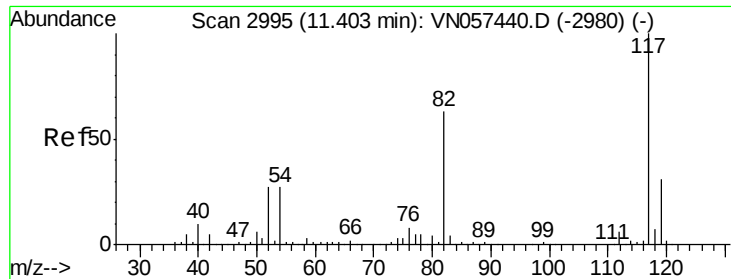
40000

20000

0

Time--> 12.35 12.40 12.45 12.50

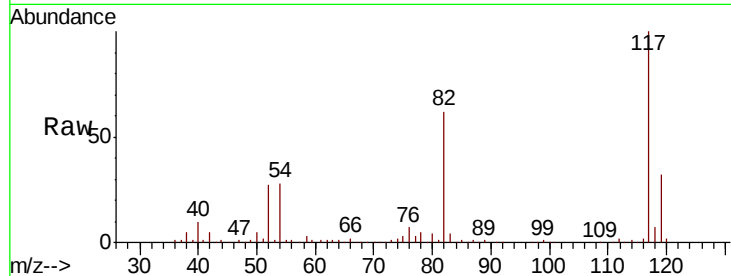




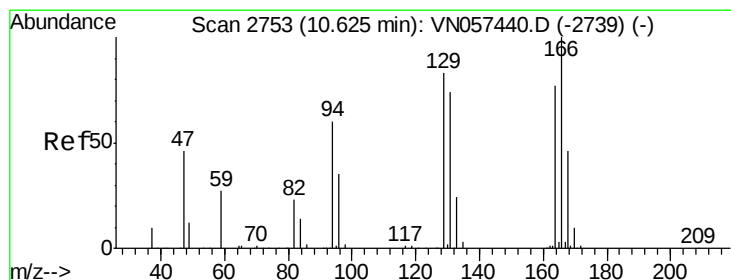
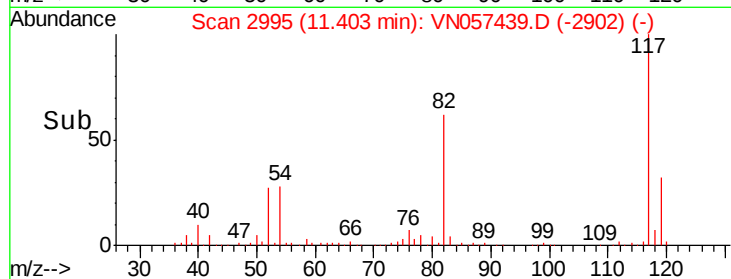
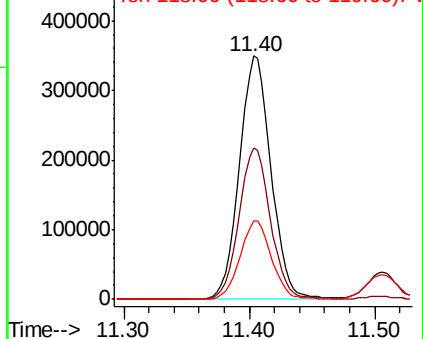
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 612961
Ion Ratio Lower Upper
117 100
82 62.0 50.6 75.8
119 32.2 24.6 36.8

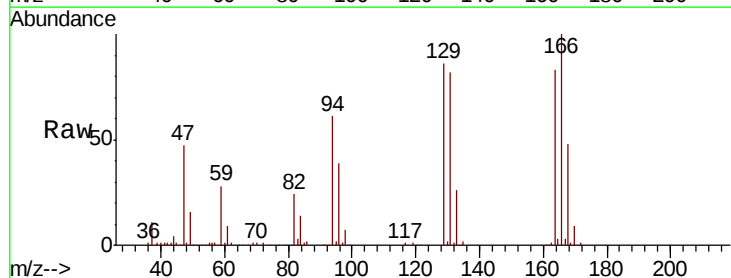


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

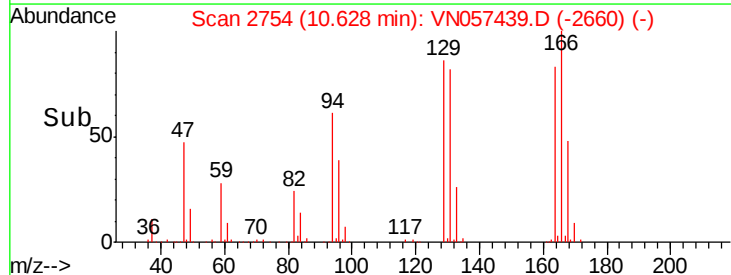
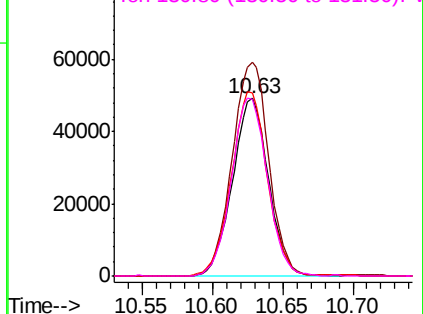


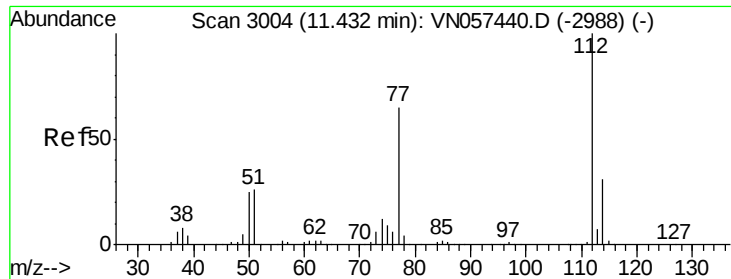
#64
Tetrachloroethene
Concen: 17.038 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion:164 Resp: 87491
Ion Ratio Lower Upper
164 100
166 120.2 104.4 156.6
129 103.1 86.6 130.0
131 99.1 77.6 116.4



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





#65

Chlorobenzene

Concen: 19.290 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

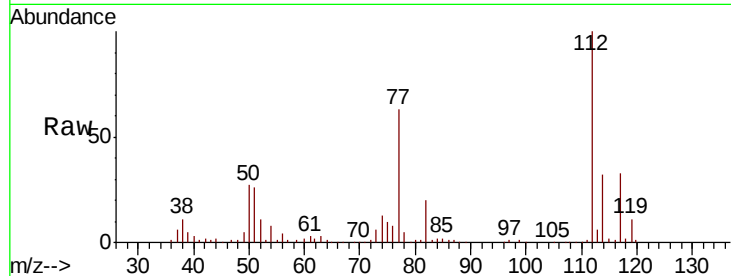
VSTDIC020

Tgt Ion:112 Resp: 239256

Ion Ratio Lower Upper

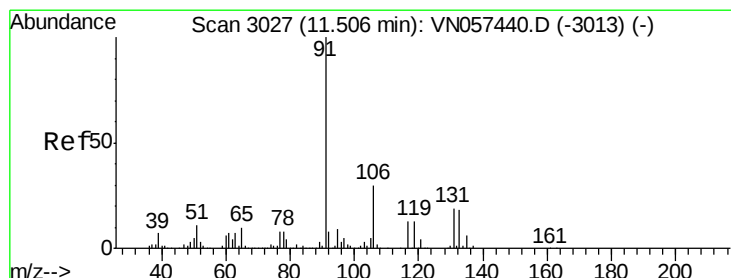
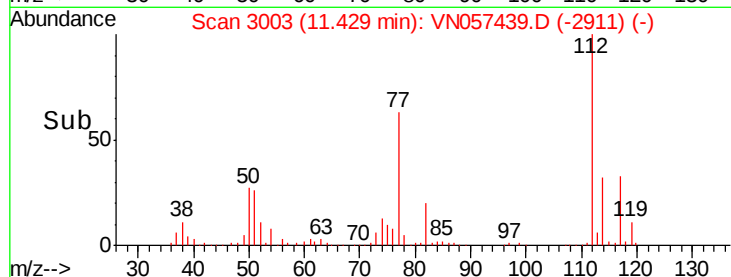
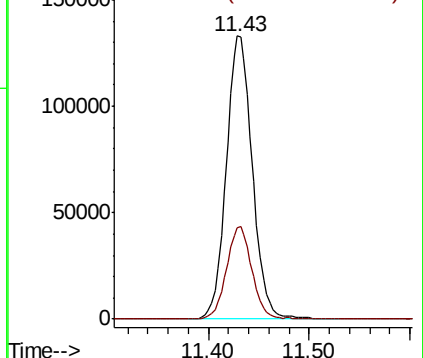
112 100

114 32.2 24.8 37.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.359 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

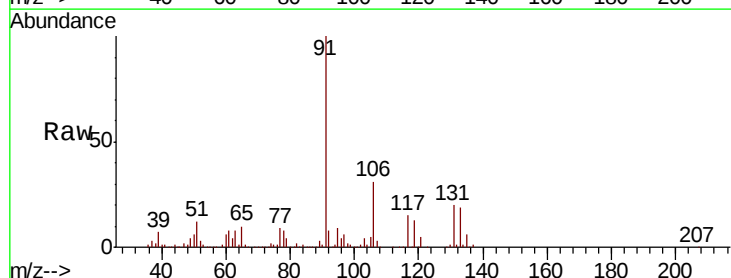
Tgt Ion:131 Resp: 91806

Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.8

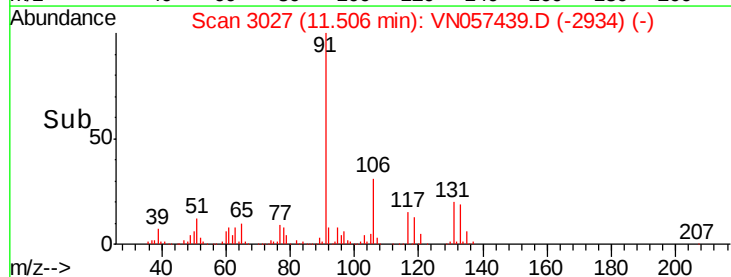
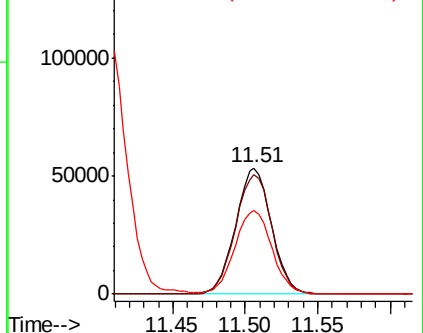
119 68.8 34.4 103.2

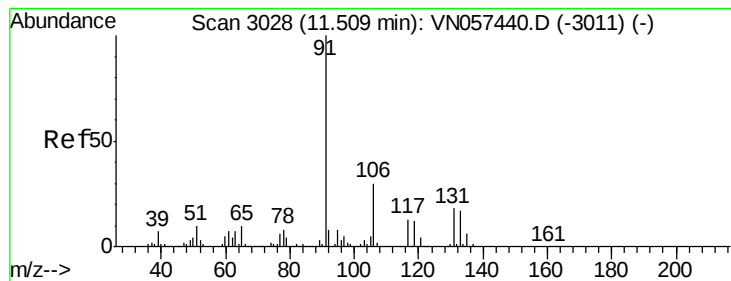


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.686 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

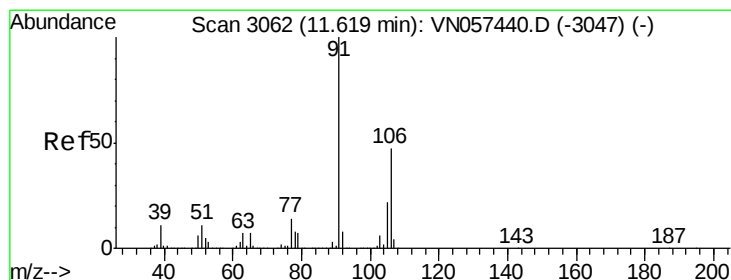
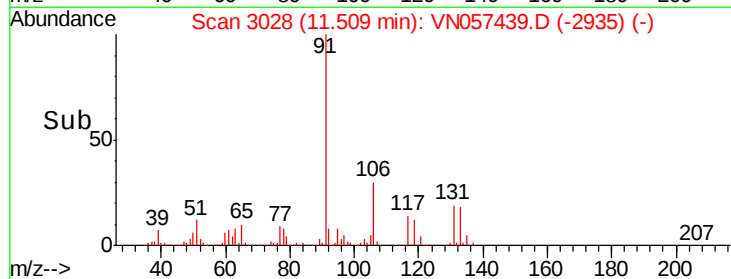
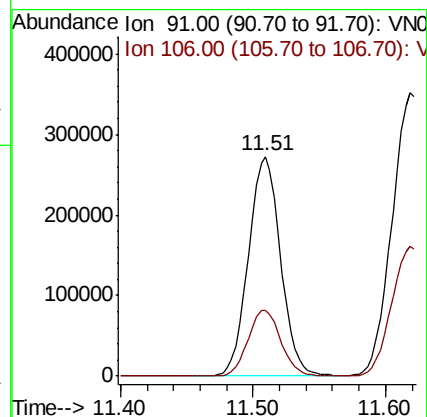
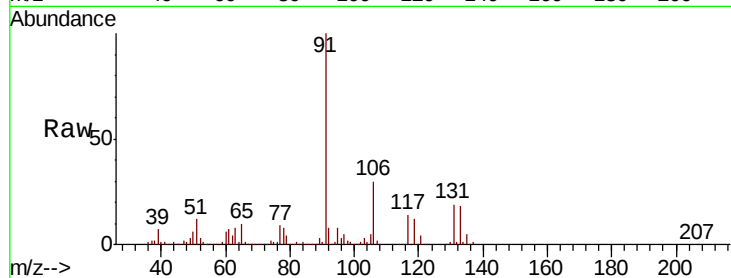
VSTDIC020

Tgt Ion: 91 Resp: 458305

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 39.842 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057439.D

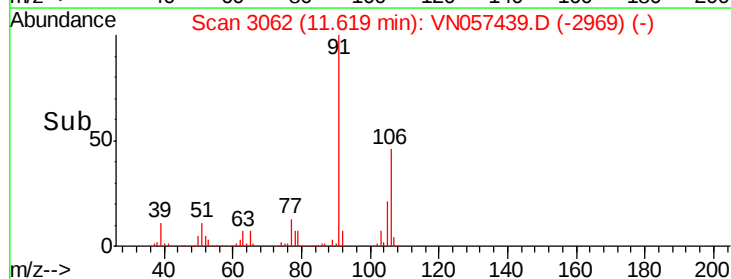
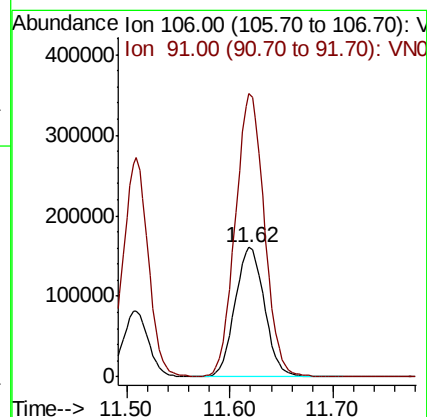
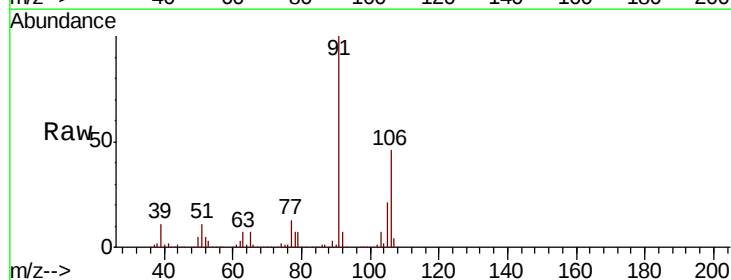
Acq: 22 Aug 2019 17:52

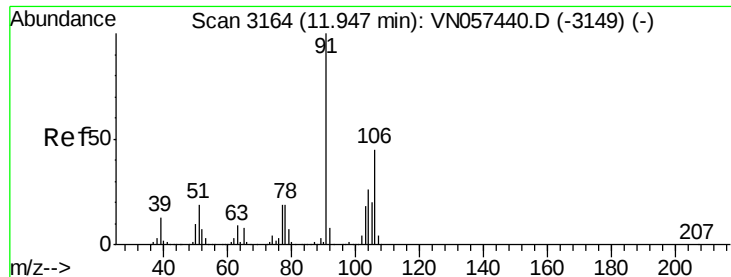
Tgt Ion: 106 Resp: 321188

Ion Ratio Lower Upper

106 100

91 214.4 171.8 257.6

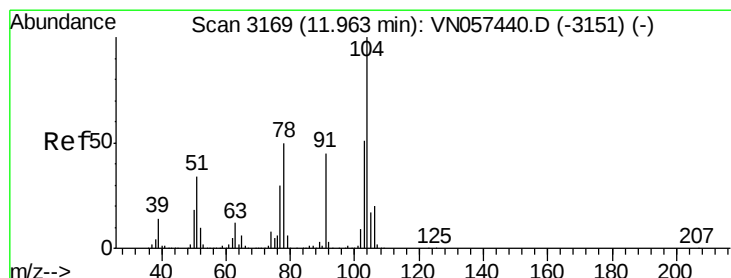
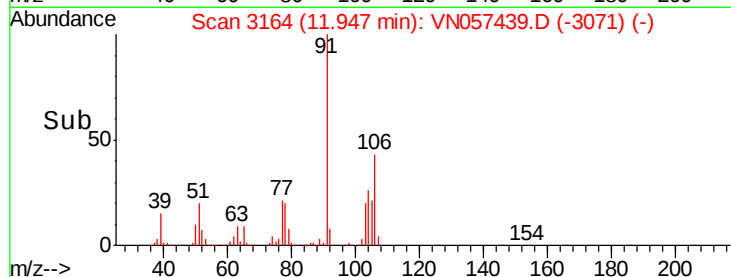
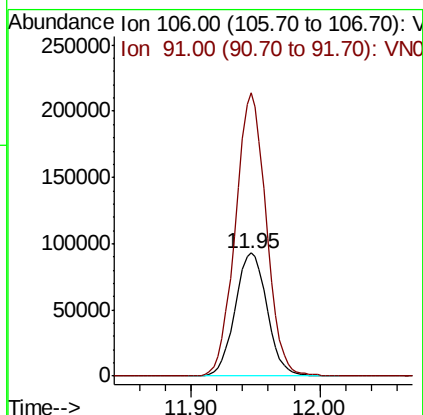
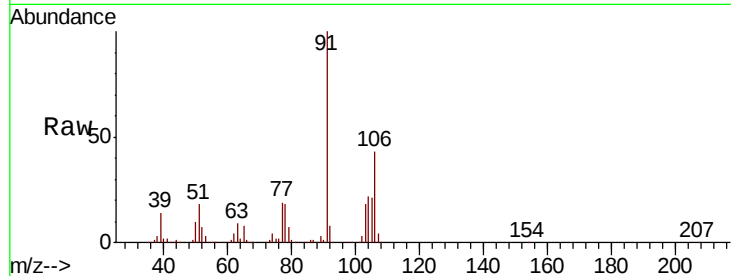




#69
o-Xylene
Concen: 20.227 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

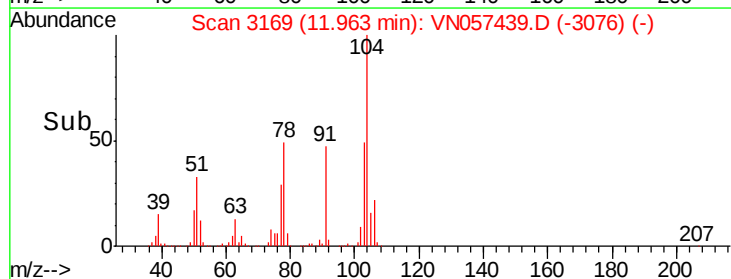
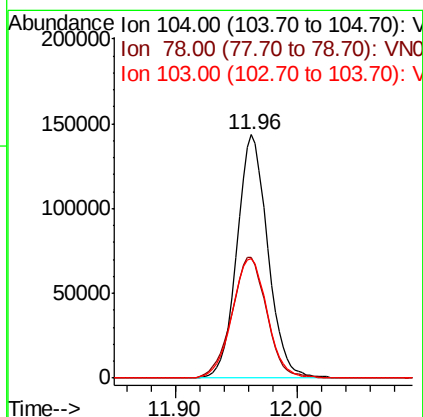
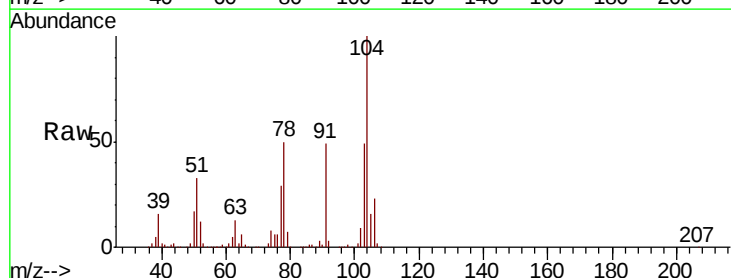
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

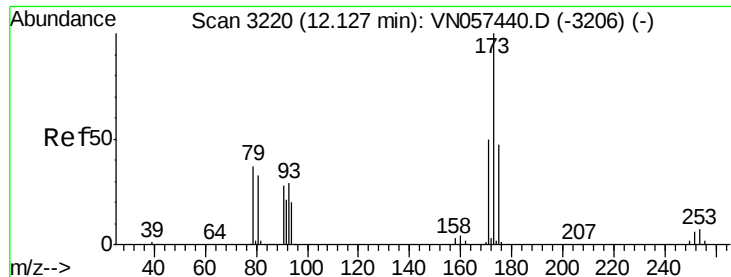
Tgt Ion:106 Resp: 160301
Ion Ratio Lower Upper
106 100
91 221.5 112.3 336.9



#70
Styrene
Concen: 19.829 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion:104 Resp: 250578
Ion Ratio Lower Upper
104 100
78 56.7 44.7 67.1
103 56.1 44.4 66.6





#71

Bromoform

Concen: 15.928 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

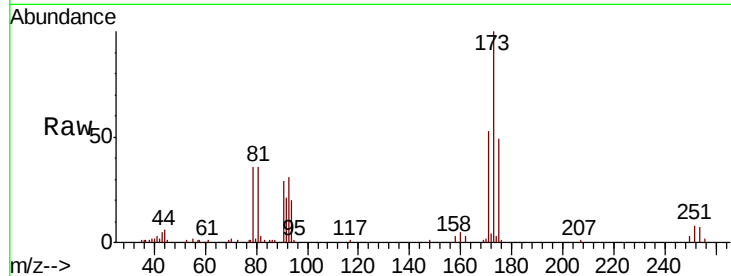
Tgt Ion:173 Resp: 58243

Ion Ratio Lower Upper

173 100

175 51.4 23.9 71.8

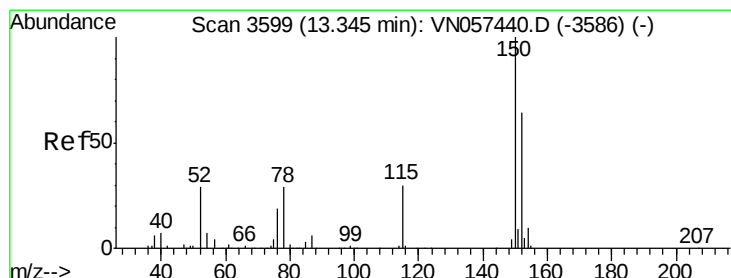
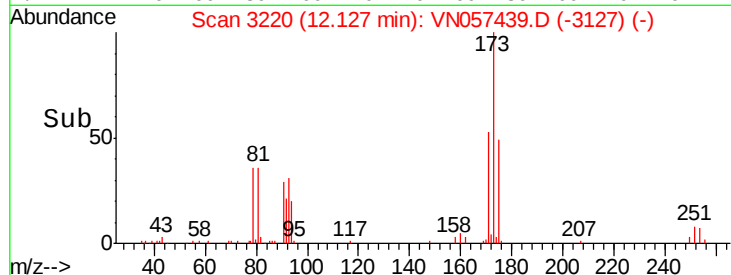
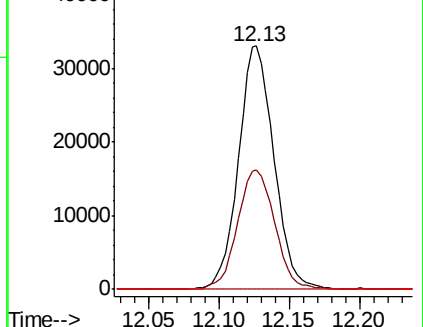
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

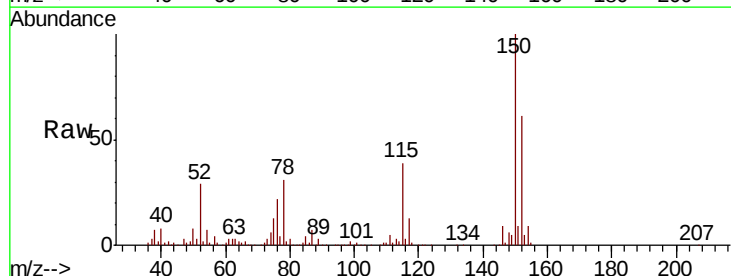
Tgt Ion:152 Resp: 195775

Ion Ratio Lower Upper

152 100

115 63.8 32.0 96.0

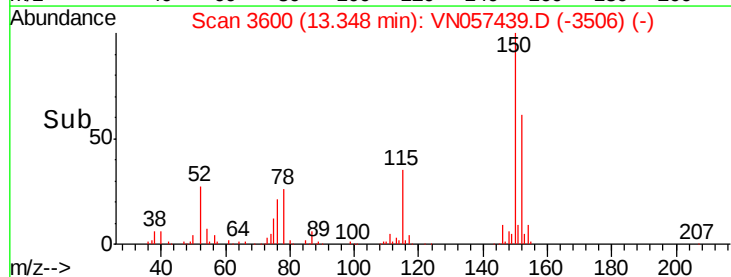
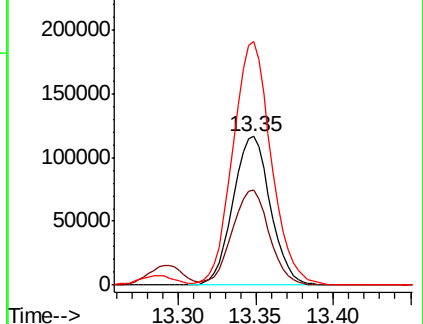
150 168.1 0.0 346.6

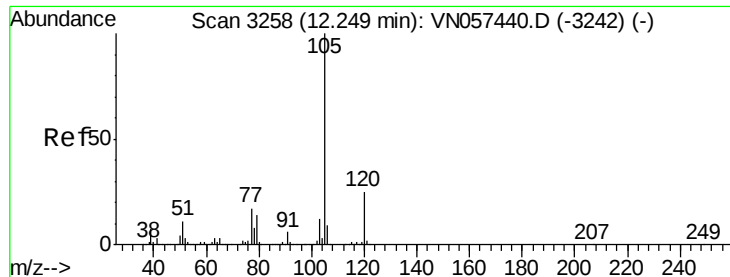


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.216 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

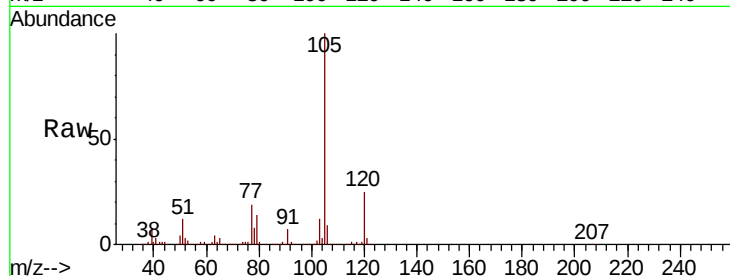
VSTDIC020

Tgt Ion:105 Resp: 426541

Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

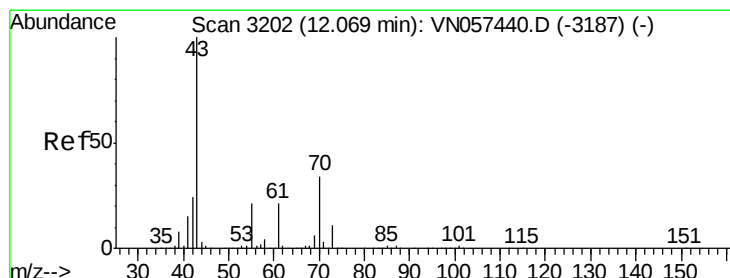
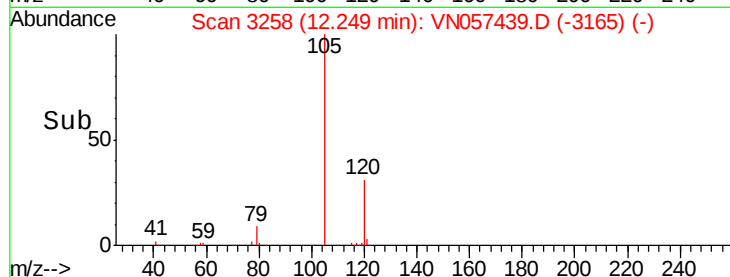
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 32.127 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Tgt Ion: 43 Resp: 198978

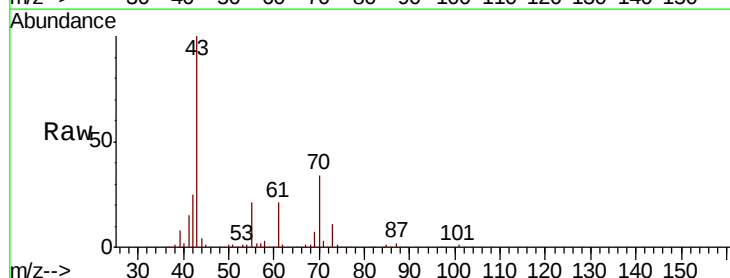
Ion Ratio Lower Upper

43 100

70 34.2 27.8 41.6

55 20.8 17.0 25.4

61 21.2 17.0 25.6



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

150000

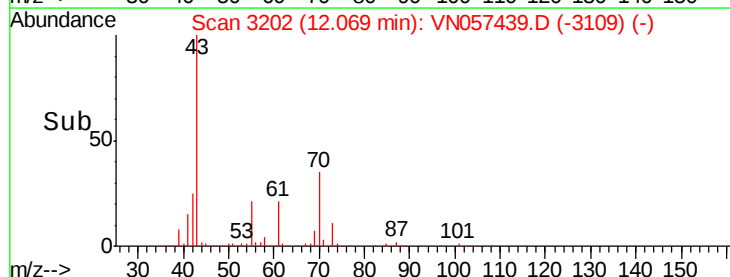
100000

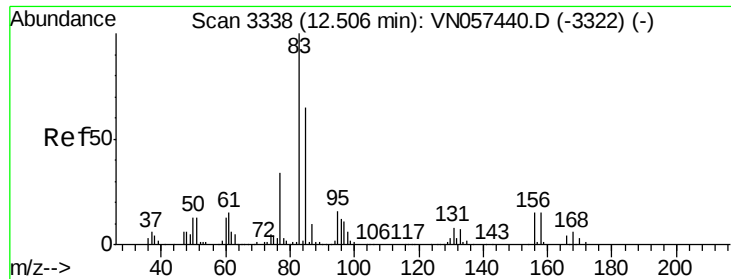
50000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.409 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

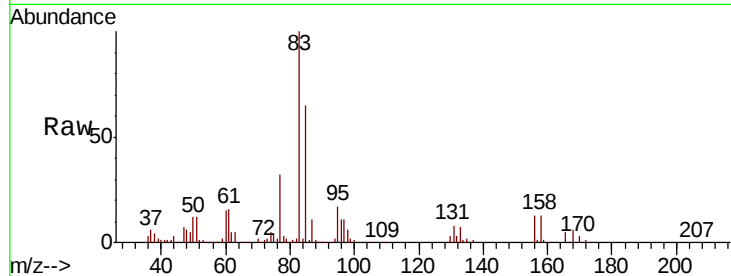
MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 125809

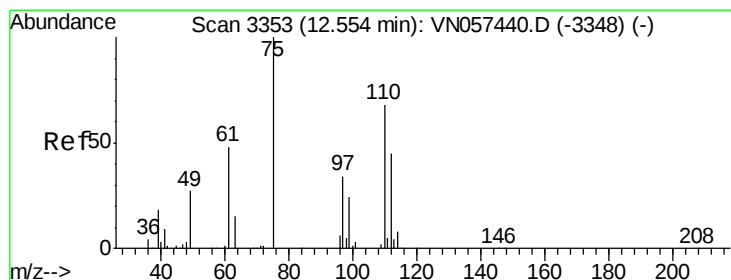
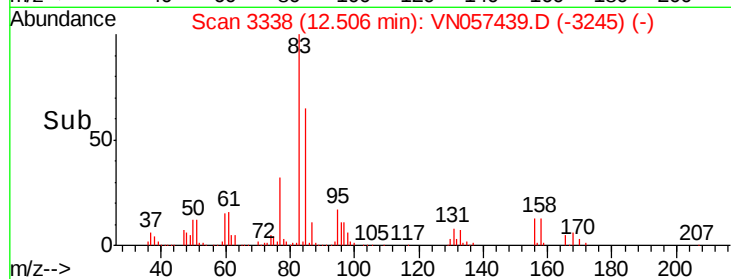
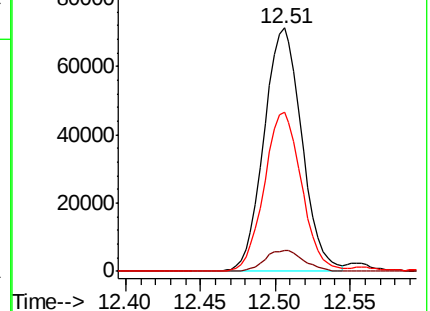
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.3	13.1
85	64.3	32.3	96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.122 ug/l

RT: 12.55 min Scan# 3353

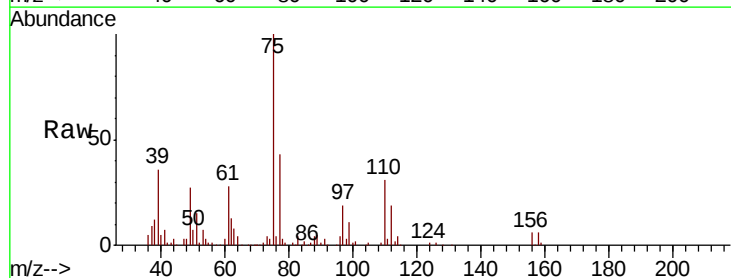
Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

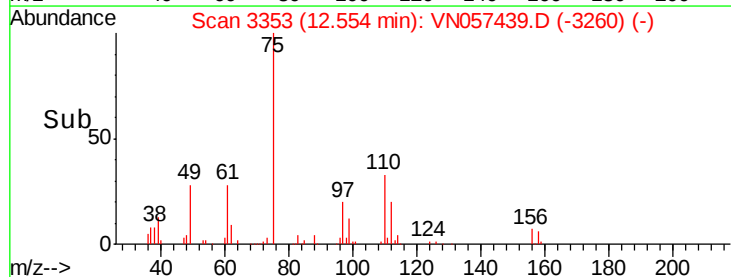
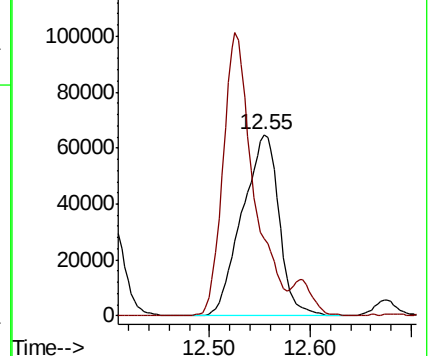
Tgt Ion: 75 Resp: 164280

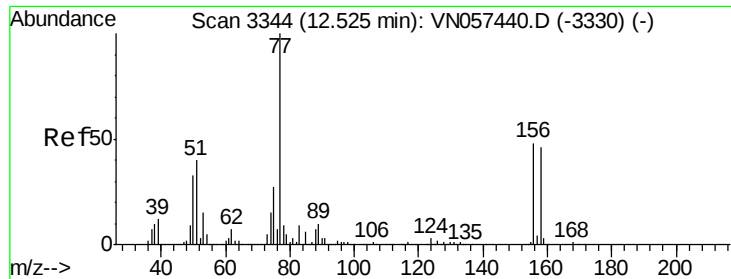
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 17.914 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

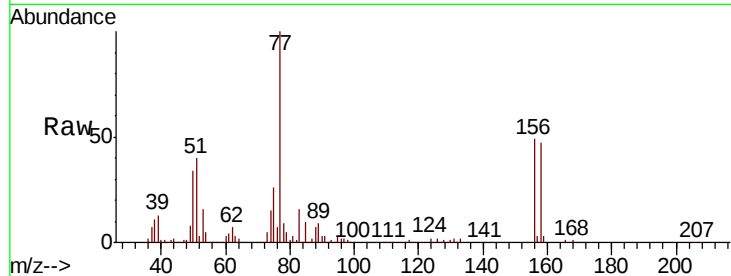
Tgt Ion:156 Resp: 86771

Ion Ratio Lower Upper

156 100

77 246.8 124.4 373.3

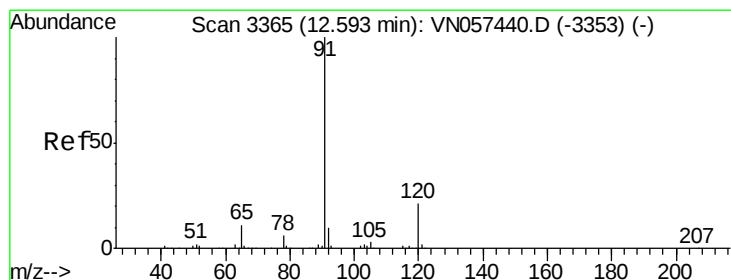
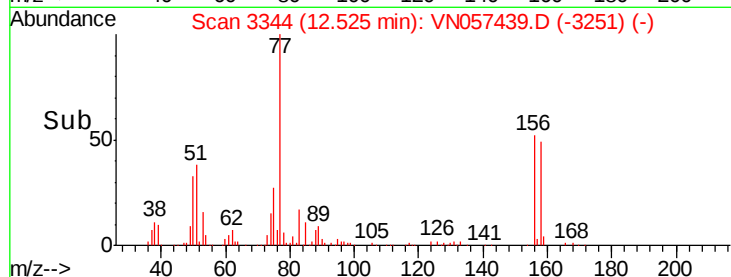
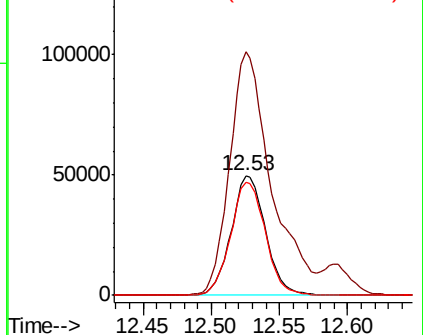
158 96.1 48.3 144.8



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: 23.600 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057439.D

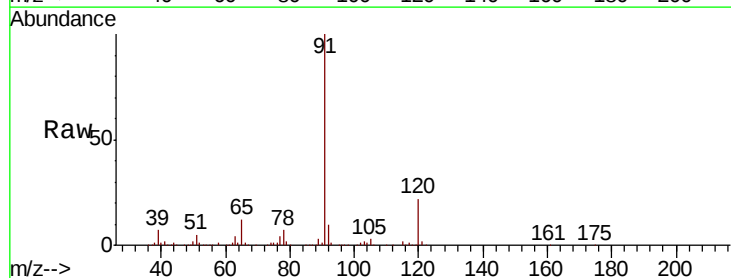
Acq: 22 Aug 2019 17:52

Tgt Ion: 91 Resp: 456375

Ion Ratio Lower Upper

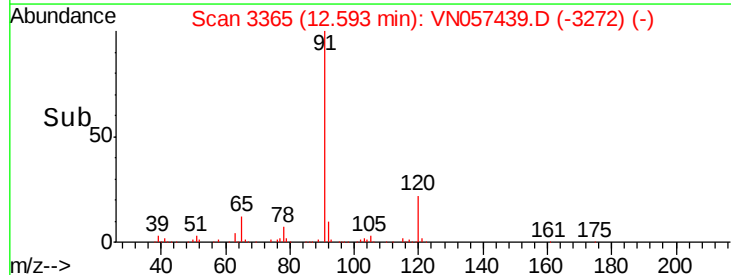
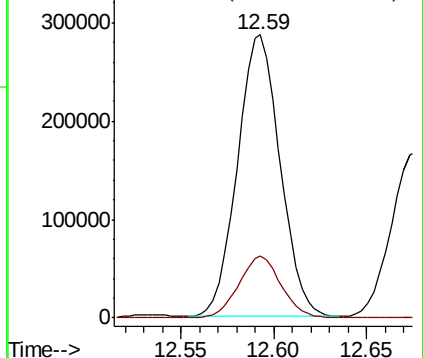
91 100

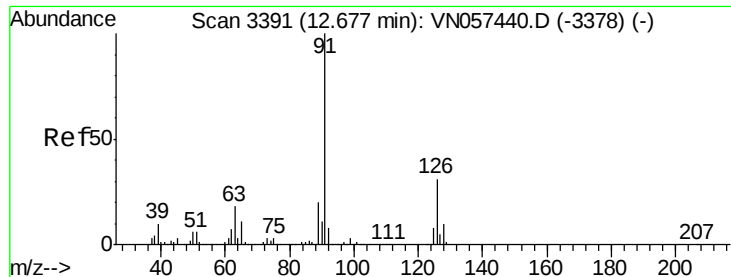
120 21.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

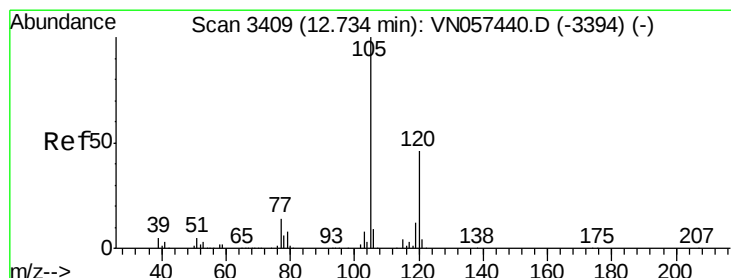
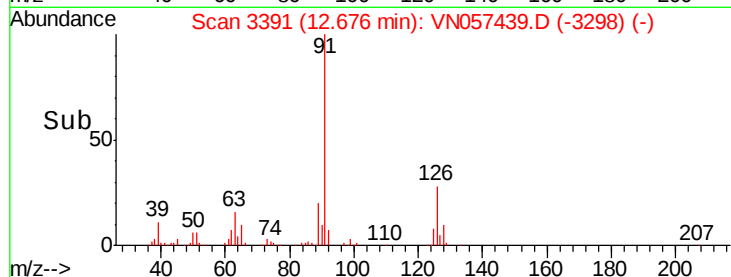
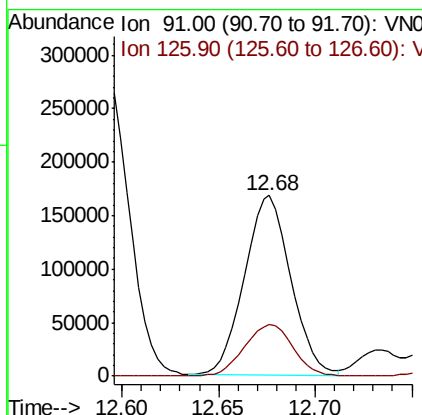
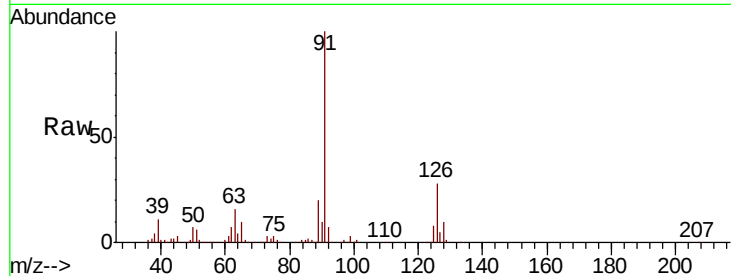




#79
 2-Chlorotoluene
 Concen: 22.681 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

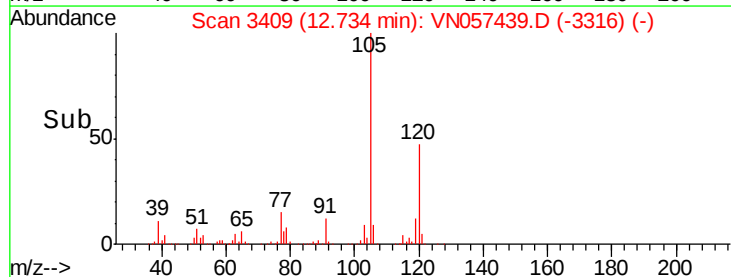
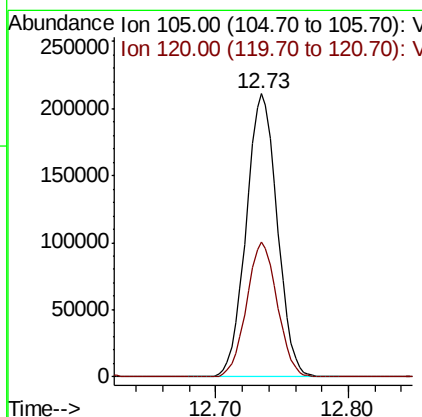
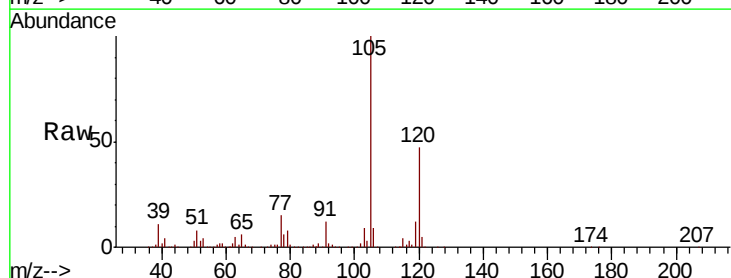
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

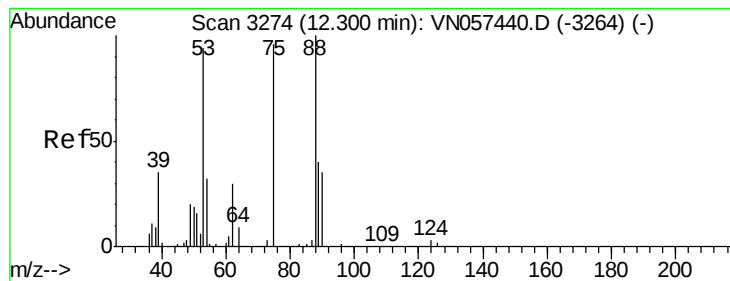
Tgt Ion: 91 Resp: 280048
 Ion Ratio Lower Upper
 91 100
 126 30.4 15.3 45.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.166 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion: 105 Resp: 342330
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.872 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

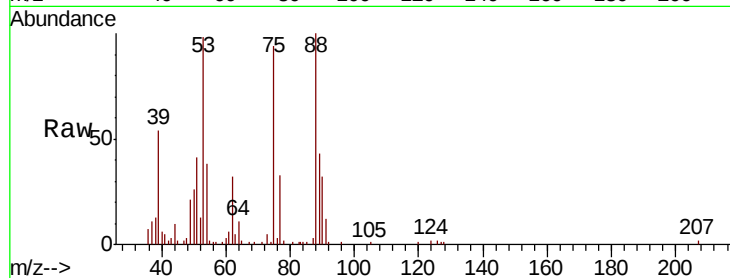
Tgt Ion: 75 Resp: 40893

Ion Ratio Lower Upper

75 100

53 105.8 82.7 124.1

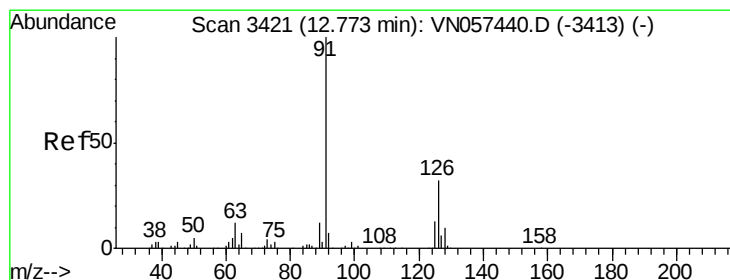
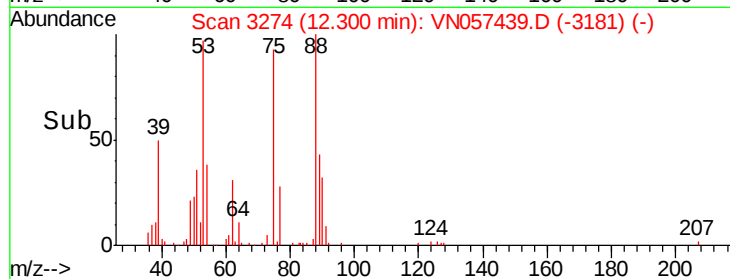
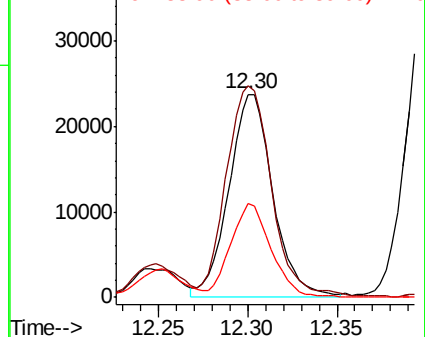
89 42.6 35.8 53.8



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: 23.091 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057439.D

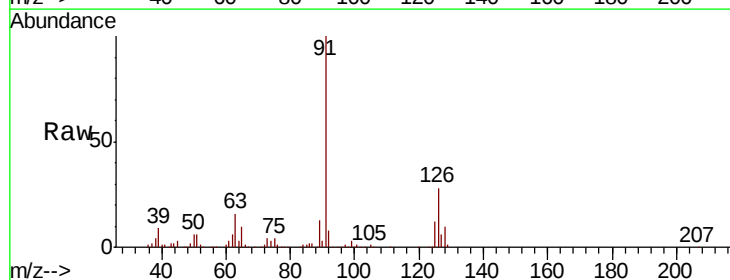
Acq: 22 Aug 2019 17:52

Tgt Ion: 91 Resp: 263474

Ion Ratio Lower Upper

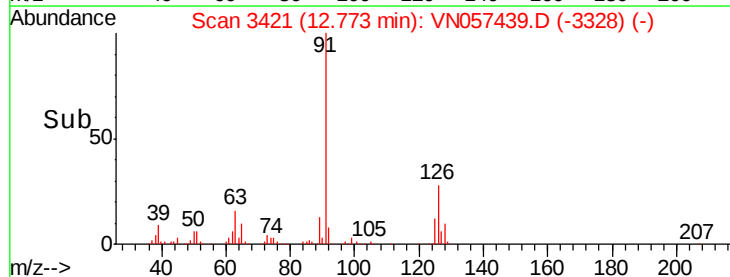
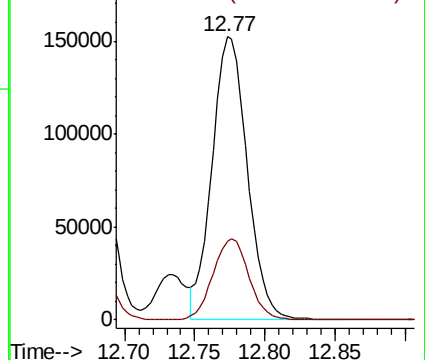
91 100

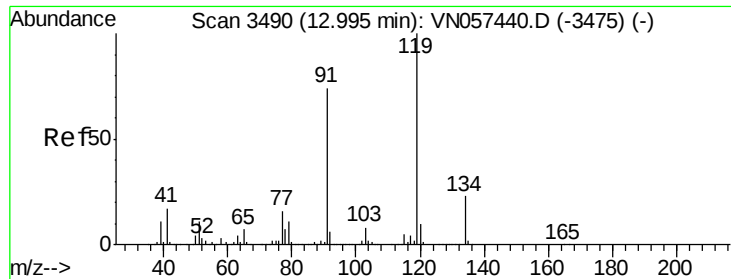
126 29.3 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

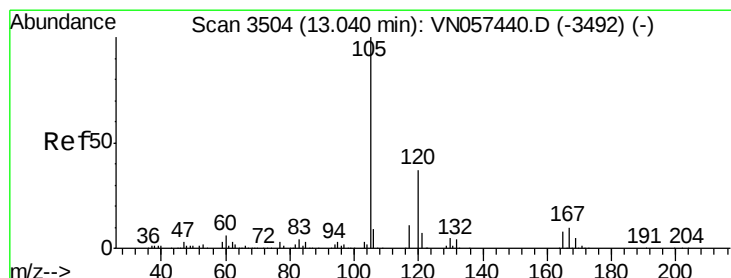
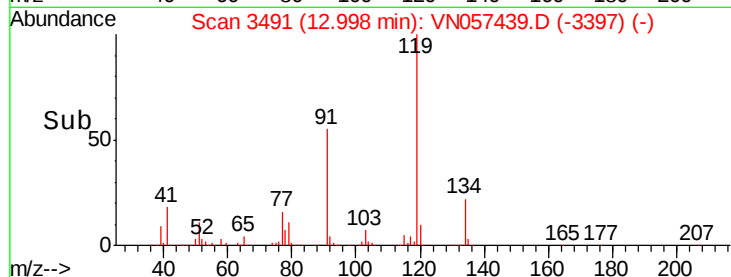
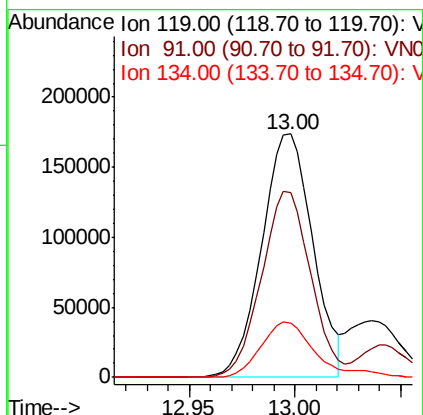
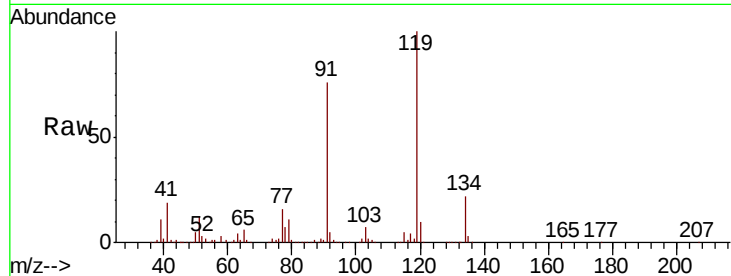




#83
 tert-Butylbenzene
 Concen: 20.640 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

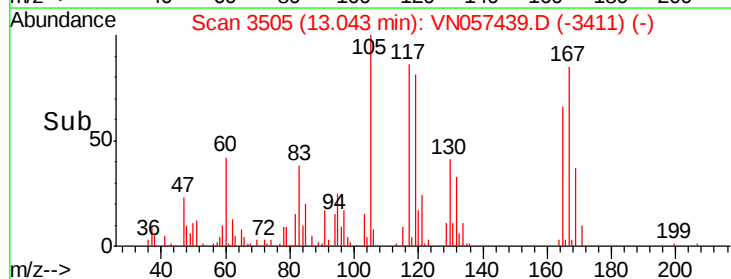
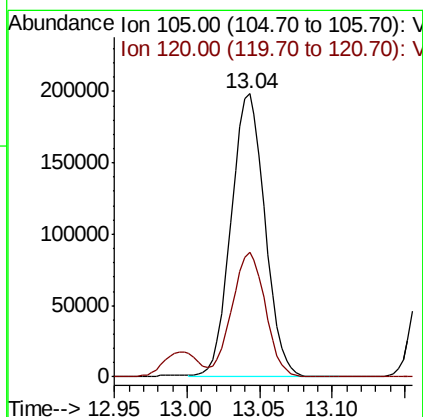
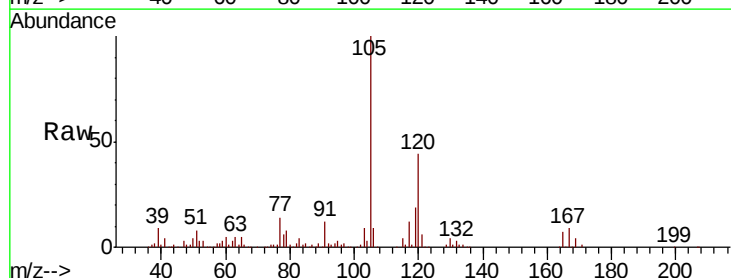
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

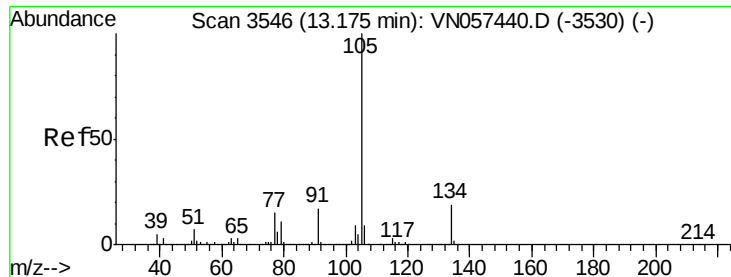
Tgt Ion:119 Resp: 293236
 Ion Ratio Lower Upper
 119 100
 91 73.6 37.0 111.0
 134 24.5 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.447 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion:105 Resp: 321876
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.9 65.7





#85

sec-Butylbenzene

Concen: 21.730 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

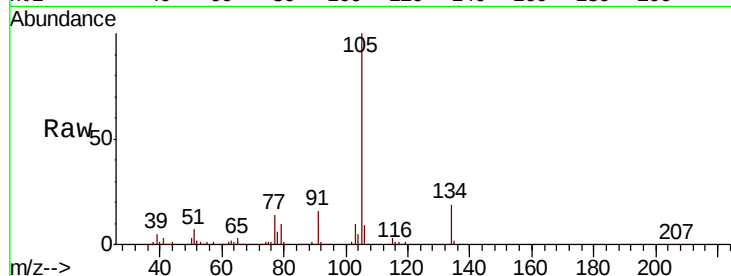
VSTDIC020

Tgt Ion:105 Resp: 373328

Ion Ratio Lower Upper

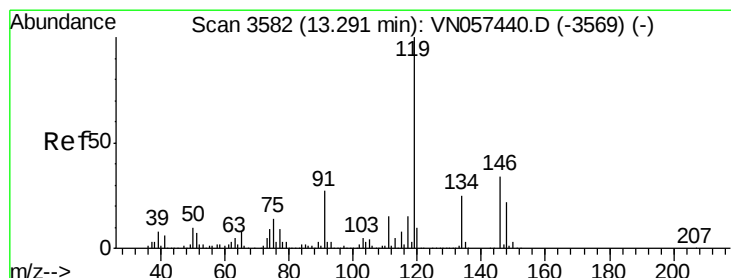
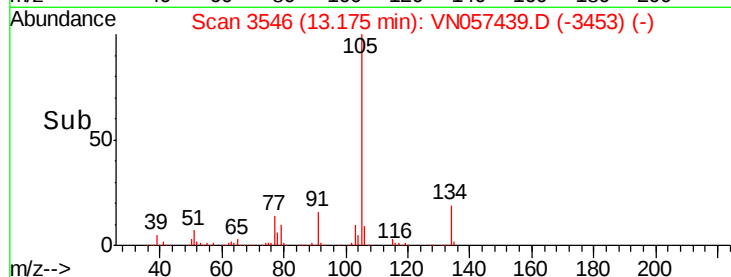
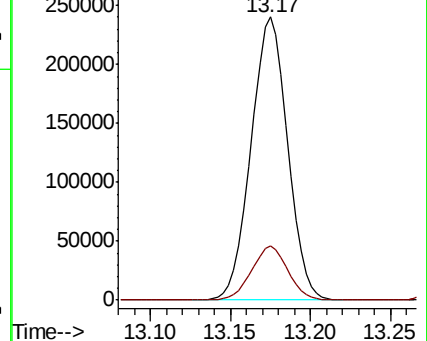
105 100

134 18.9 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.349 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

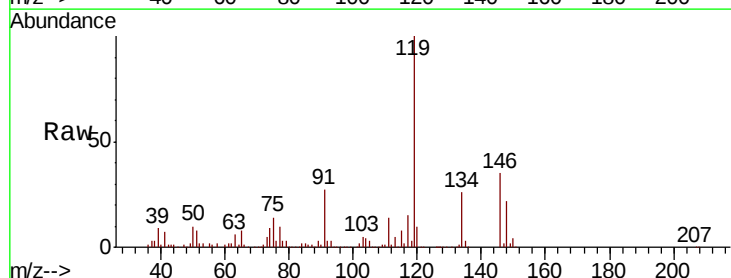
Tgt Ion:119 Resp: 311334

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

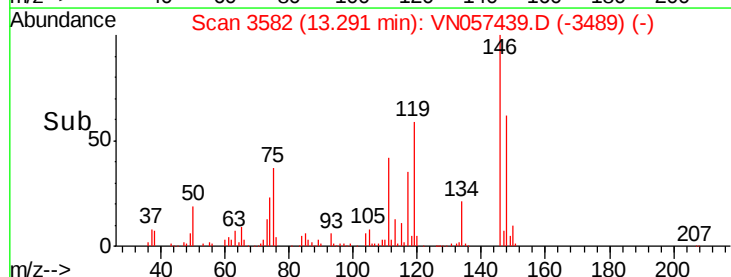
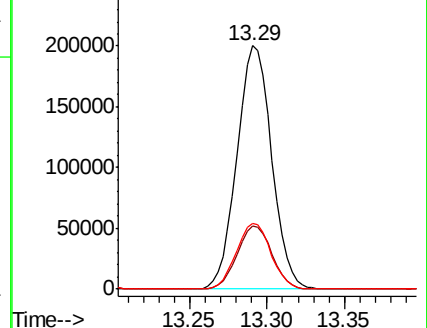
91 26.6 13.9 41.6

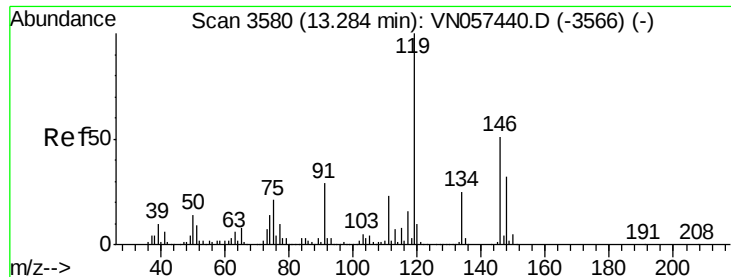


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

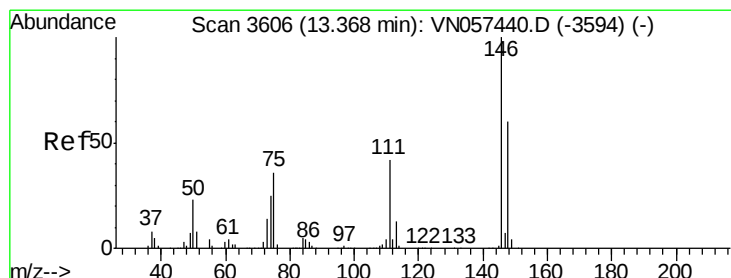
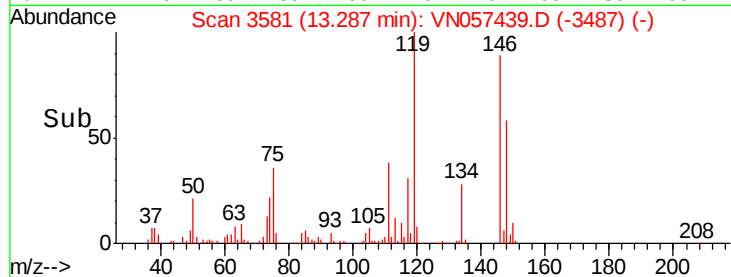
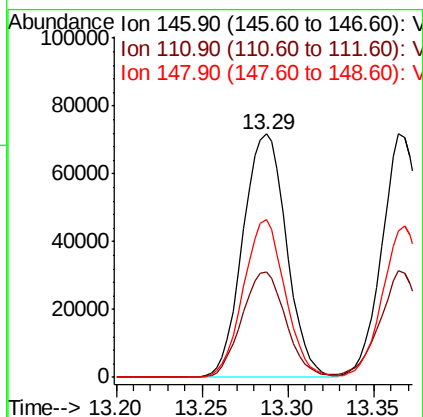
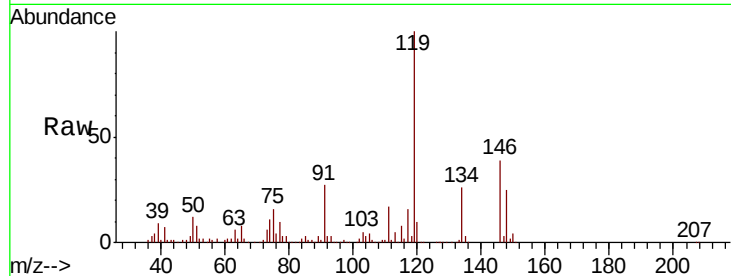




#87
 1,3-Dichlorobenzene
 Concen: 18.713 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

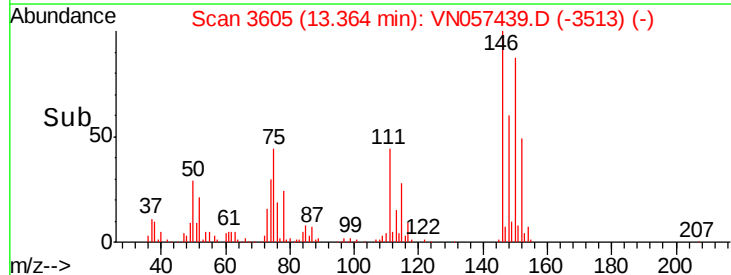
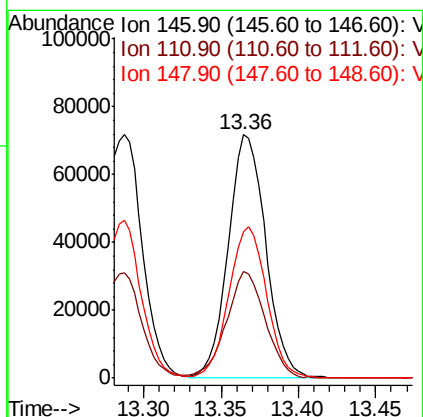
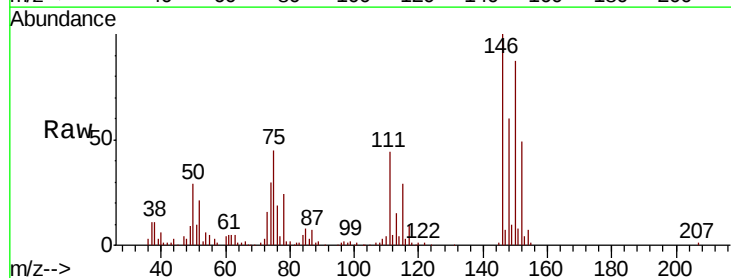
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

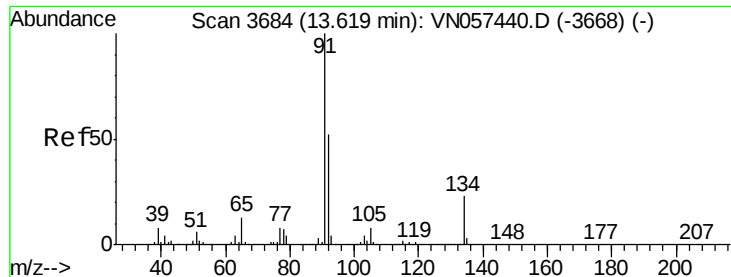
Tgt Ion:146 Resp: 126322
 Ion Ratio Lower Upper
 146 100
 111 43.0 22.1 66.1
 148 62.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 18.740 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion:146 Resp: 120999
 Ion Ratio Lower Upper
 146 100
 111 45.6 21.9 65.5
 148 62.7 31.1 93.2





#89

n-Butylbenzene

Concen: 23.915 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

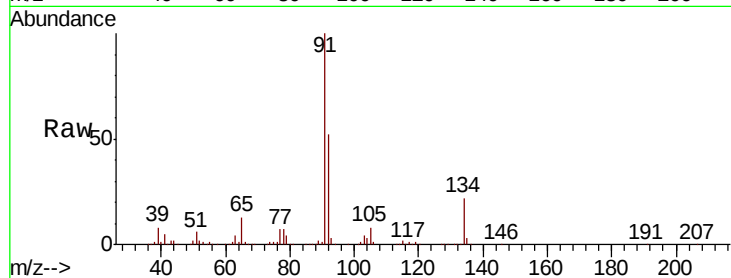
Tgt Ion: 91 Resp: 256532

Ion Ratio Lower Upper

91 100

92 51.4 25.7 77.0

134 22.3 11.4 34.1

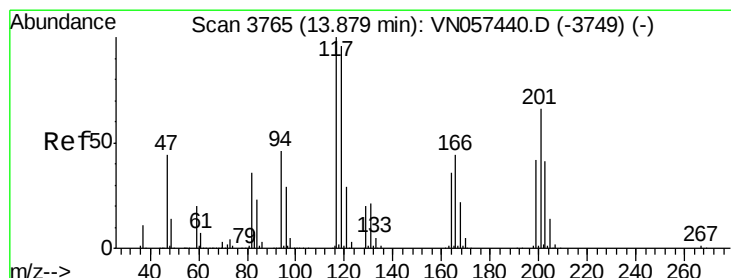
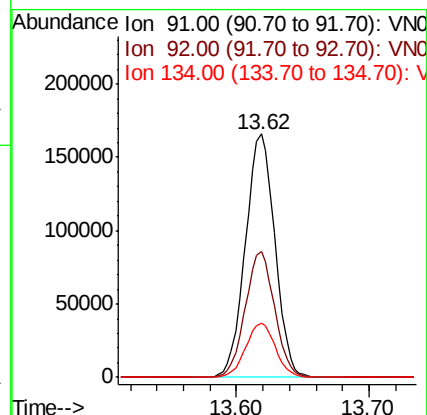
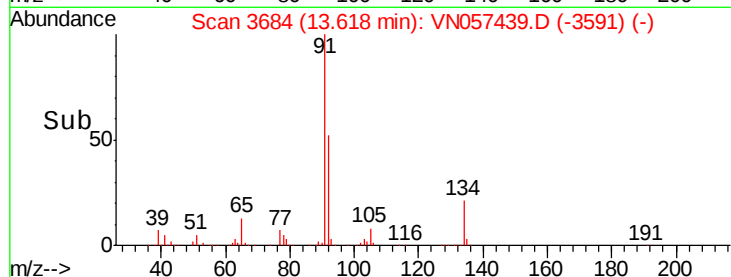


Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057440.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057440.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 22.642 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN057439.D

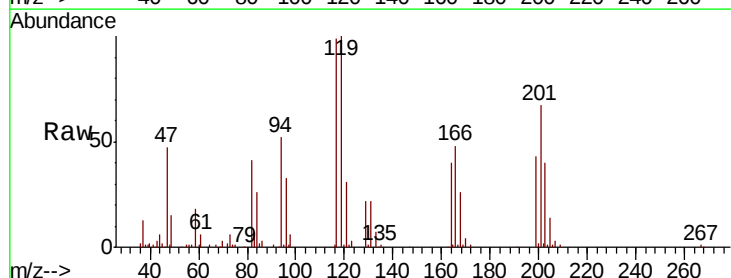
Acq: 22 Aug 2019 17:52

Tgt Ion: 117 Resp: 68946

Ion Ratio Lower Upper

117 100

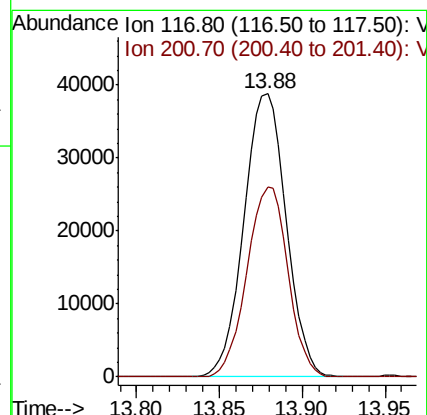
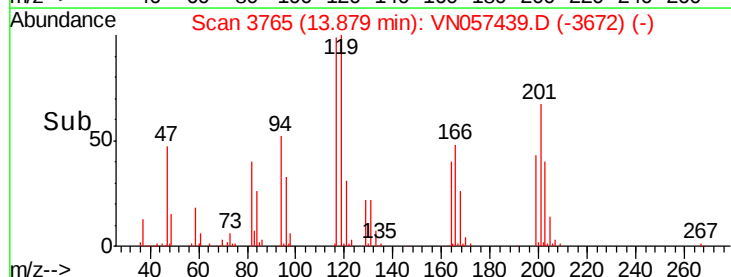
201 64.9 33.1 99.3

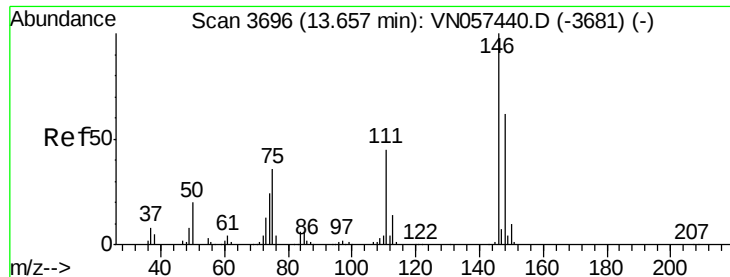


Abundance Ion 116.80 (116.50 to 117.50): VN057440.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057440.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.796 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

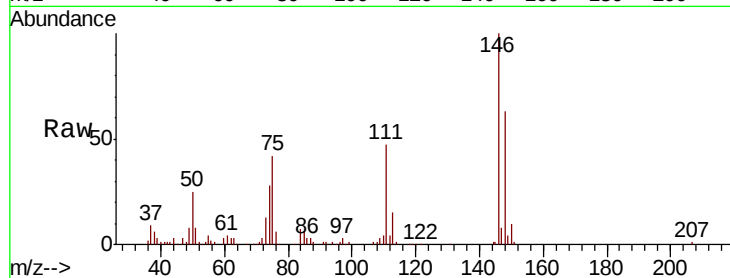
Tgt Ion:146 Resp: 124946

Ion Ratio Lower Upper

146 100

111 47.0 23.1 69.2

148 63.4 31.8 95.4

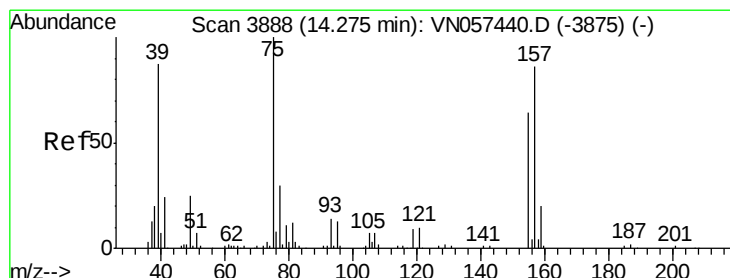
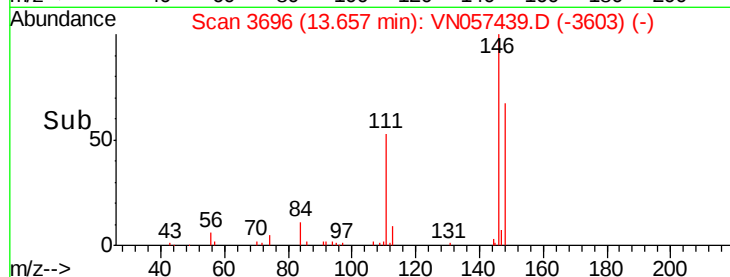
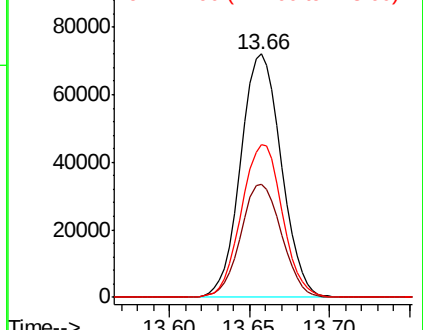


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.161 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

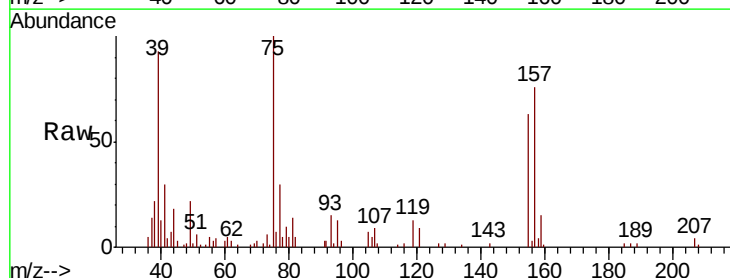
Tgt Ion: 75 Resp: 20085

Ion Ratio Lower Upper

75 100

155 63.4 31.6 94.7

157 83.3 43.3 129.8

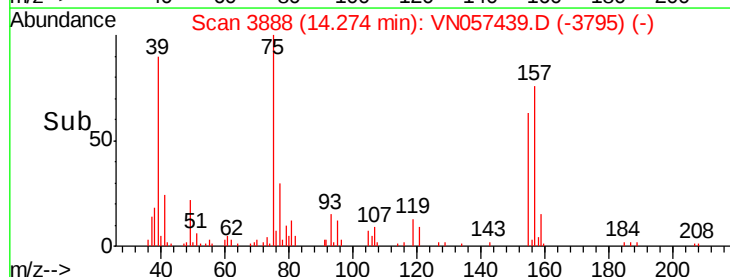
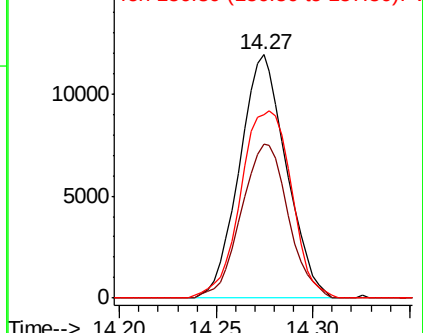


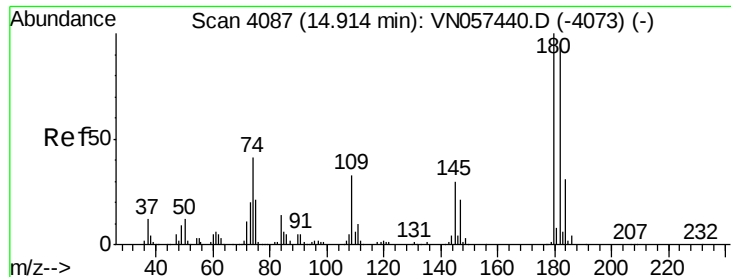
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

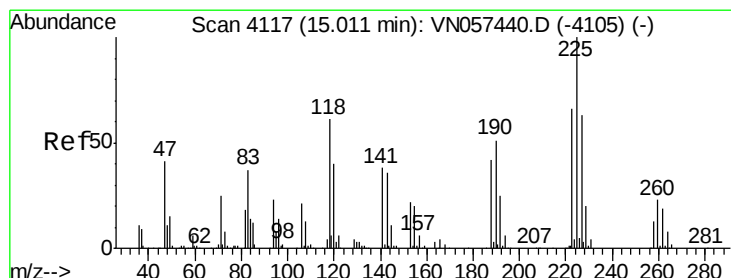
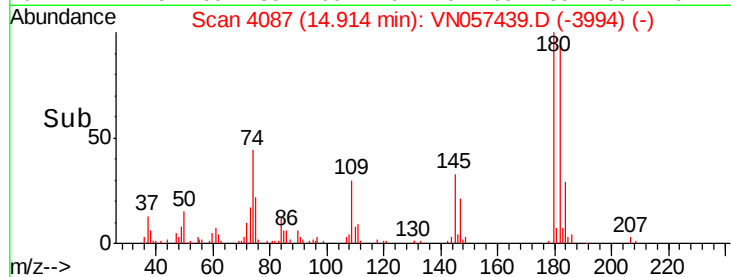
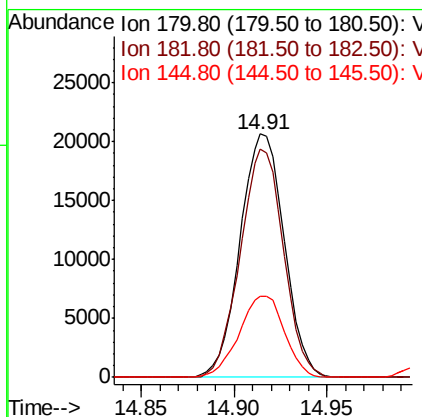
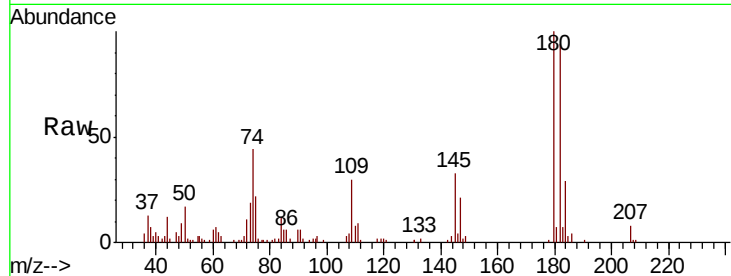




#93
 1,2,4-Trichlorobenzene
 Concen: 16.172 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

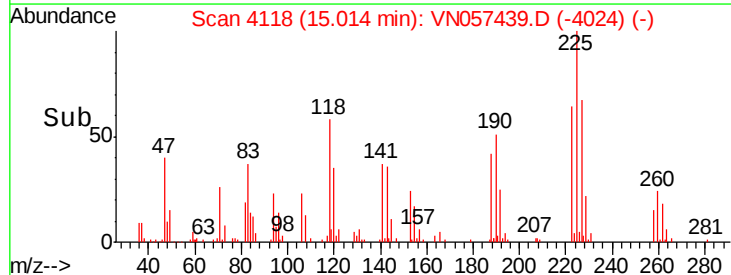
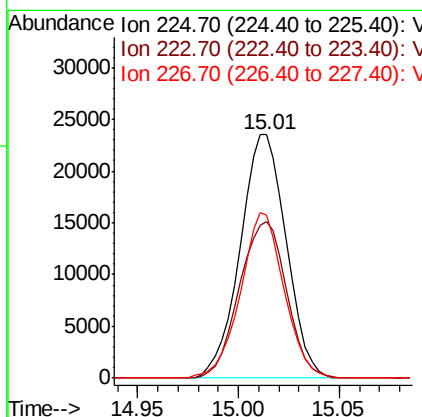
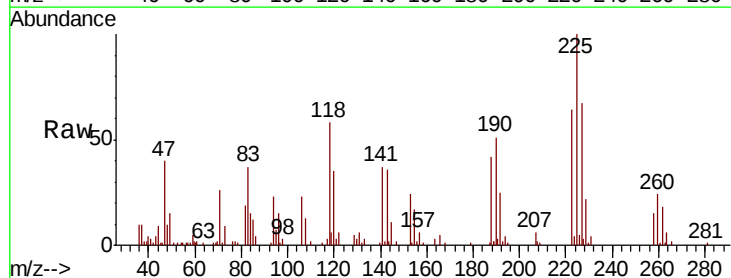
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

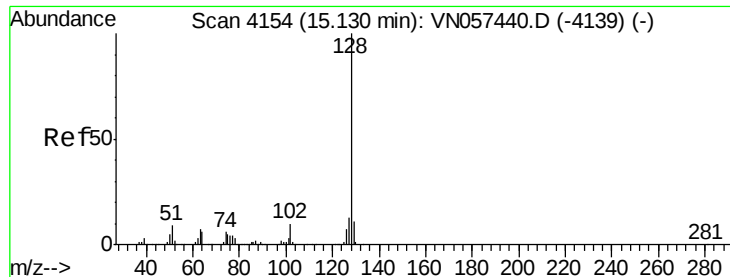
Tgt Ion:180 Resp: 34059
 Ion Ratio Lower Upper
 180 100
 182 91.9 46.7 140.1
 145 34.4 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 13.480 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion:225 Resp: 37552
 Ion Ratio Lower Upper
 225 100
 223 65.9 32.0 96.2
 227 64.3 31.5 94.5

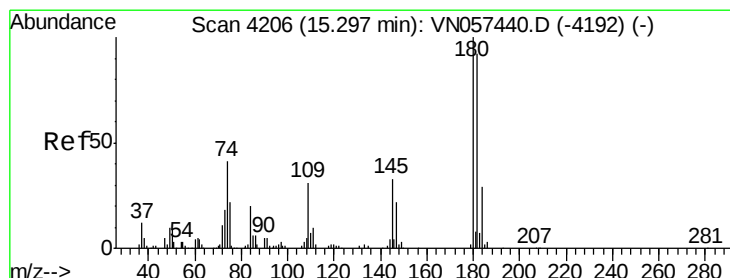
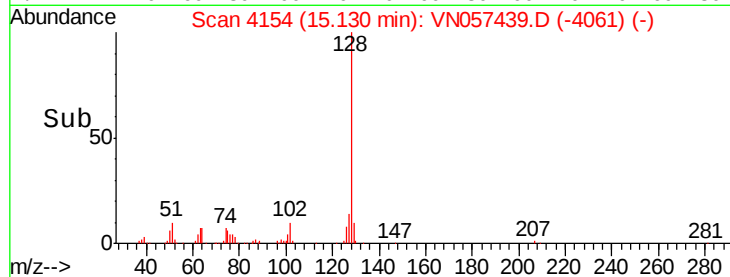
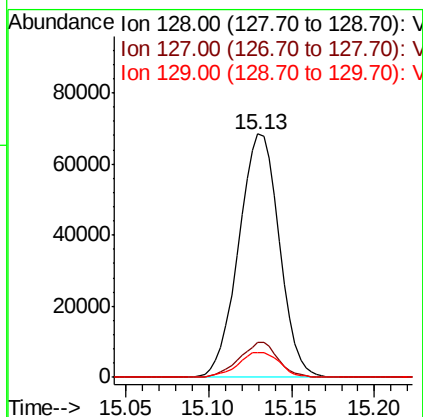
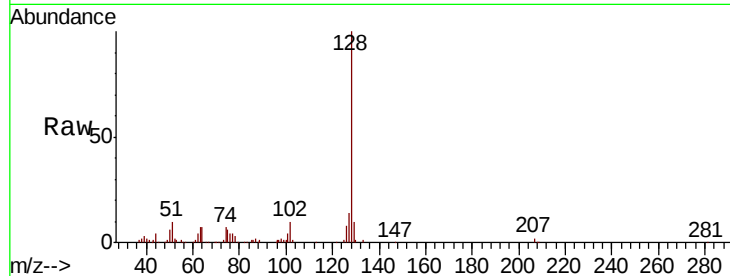




#95
Naphthalene
Concen: 23.782 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 116673
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.129 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion:180 Resp: 34678
Ion Ratio Lower Upper
180 100
182 92.2 46.7 140.1
145 34.5 16.8 50.3

