

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056938.D
 Acq On : 26 Jul 2019 8:51
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jul 27 00:02:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	489004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	726547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	593377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	4323	0.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.72%	
35) Dibromofluoromethane	7.58	113	3479	0.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.52%	
50) Toluene-d8	10.08	98	13024	0.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.48%	
62) 4-Bromofluorobenzene	12.39	95	4739	0.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	4025	0.780	ug/l	97
3) Chloromethane	2.05	50	5909	0.961	ug/l	94
4) Vinyl Chloride	2.18	62	5255	0.902	ug/l	99
5) Bromomethane	2.54	94	4841	1.376	ug/l	93
6) Chloroethane	2.69	64	3066	0.950	ug/l	94
7) Trichlorofluoromethane	3.00	101	6931	0.912	ug/l	98
8) Diethyl Ether	3.39	74	2525	0.888	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	2423	0.516	ug/l #	82
10) Methyl Iodide	3.94	142	4675	0.689	ug/l #	95
11) Tert butyl alcohol	4.75	59	357	0.491	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	4001	0.887	ug/l	92
13) Acrolein	3.60	56	2030	5.064	ug/l	87
14) Allyl chloride	4.30	41	6047	0.825	ug/l	95
15) Acrylonitrile	4.98	53	7523	3.617	ug/l	92
16) Acetone	3.81	43	9185	5.297	ug/l #	86
17) Carbon Disulfide	4.03	76	11298	0.934	ug/l	98
18) Methyl Acetate	4.32	43	6816	1.131	ug/l #	75
19) Methyl tert-butyl Ether	5.01	73	5399	0.405	ug/l	98
20) Methylene Chloride	4.54	84	6239	1.161	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	4256	0.882	ug/l	86
22) Diisopropyl ether	5.94	45	13345	0.897	ug/l #	87
23) Vinyl Acetate	5.88	43	39010	3.784	ug/l	96
24) 1,1-Dichloroethane	5.83	63	8407	0.960	ug/l	97
25) 2-Butanone	6.83	43	10305	3.873	ug/l	96
26) 2,2-Dichloropropane	6.81	77	6492	1.008	ug/l	76
27) cis-1,2-Dichloroethene	6.81	96	5659	1.028	ug/l	92
28) Bromochloromethane	7.17	49	3941	0.981	ug/l #	61
29) Tetrahydrofuran	7.20	42	7035	4.042	ug/l	93
30) Chloroform	7.36	83	10026	1.112	ug/l	88
31) Cyclohexane	7.65	56	14262	1.674	ug/l #	24
32) 1,1,1-Trichloroethane	7.55	97	6566	0.911	ug/l #	48
36) 1,1-Dichloropropene	7.78	75	5984	0.913	ug/l	85
37) Ethyl Acetate	6.93	43	3985	0.740	ug/l #	89
38) Carbon Tetrachloride	7.76	117	5591	0.896	ug/l	85

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	7202	0.898	ug/l	90
40) Benzene	8.02	78	18376	0.902	ug/l	97
41) Methacrylonitrile	7.16	41	2057	0.859	ug/l #	75
42) 1,2-Dichloroethane	8.11	62	6526	1.039	ug/l	93
43) Isopropyl Acetate	8.16	43	6960	0.790	ug/l #	87
44) Trichloroethene	8.82	130	5120	0.925	ug/l	98
45) 1,2-Dichloropropane	9.10	63	5046	0.924	ug/l	96
46) Dibromomethane	9.19	93	2791	0.846	ug/l	84
47) Bromodichloromethane	9.39	83	5547	0.861	ug/l	93
48) Methyl methacrylate	9.19	41	3405	0.810	ug/l	86
49) 1,4-Dioxane	9.19	88	1645	18.904	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	20433	3.903	ug/l	97
52) Toluene	10.15	92	9958	0.817	ug/l	90
53) t-1,3-Dichloropropene	10.37	75	5234	0.803	ug/l	92
54) cis-1,3-Dichloropropene	9.83	75	6093	0.797	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	4480	0.913	ug/l	97
56) Ethyl methacrylate	10.42	69	4486	0.678	ug/l #	88
57) 1,3-Dichloropropane	10.70	76	7274	0.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	14016	5.333	ug/l	98
59) 2-Hexanone	10.74	43	13367	3.716	ug/l	91
60) Dibromochloromethane	10.89	129	3906	0.780	ug/l	100
61) 1,2-Dibromoethane	11.00	107	3660	0.754	ug/l	89
64) Tetrachloroethene	10.62	164	5813	1.097	ug/l	95
65) Chlorobenzene	11.42	112	11930	0.975	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.50	131	4634	1.014	ug/l #	59
67) Ethyl Benzene	11.50	91	19457	0.923	ug/l	96
68) m/p-Xylenes	11.61	106	13452	1.714	ug/l	96
69) o-Xylene	11.94	106	6906	0.899	ug/l	96
70) Styrene	11.96	104	8637	0.710	ug/l	99
71) Bromoform	12.12	173	2640	0.823	ug/l #	91
73) Isopropylbenzene	12.24	105	16155	1.127	ug/l	93
74) N-amyl acetate	12.07	43	4233	1.000	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	5330	1.276	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	5267	1.683	ug/l #	100
77) Bromobenzene	12.53	156	4296	1.171	ug/l	93
78) n-propylbenzene	12.59	91	16228	1.072	ug/l	97
79) 2-Chlorotoluene	12.67	91	10726	1.138	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	12389	1.047	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	736	0.725	ug/l #	71
82) 4-Chlorotoluene	12.77	91	8637	0.998	ug/l	96
83) tert-Butylbenzene	12.99	119	11866	1.137	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	11187	1.000	ug/l	99
85) sec-Butylbenzene	13.17	105	14028	1.064	ug/l	99
86) p-Isopropyltoluene	13.28	119	11838	1.015	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	5614	1.024	ug/l	99
88) 1,4-Dichlorobenzene	13.28	146	5614	1.066	ug/l	99
89) n-Butylbenzene	13.61	91	8129	0.902	ug/l	94
90) Hexachloroethane	13.87	117	2228	1.072	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	5529	0.995	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	593	1.040	ug/l #	60

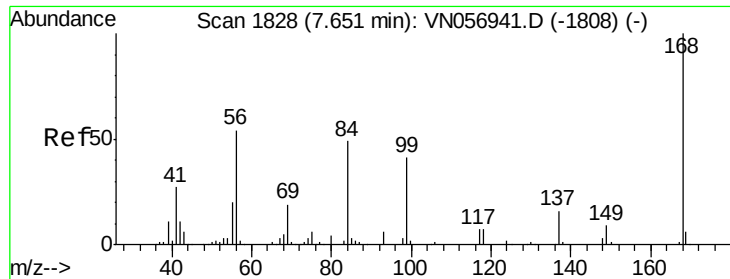
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1655	0.714	ug/l	90
94) Hexachlorobutadiene	15.00	225	2965	1.315	ug/l	99
95) Naphthalene	15.12	128	3125	0.541	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.29	180	1882	0.756	ug/l	86

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

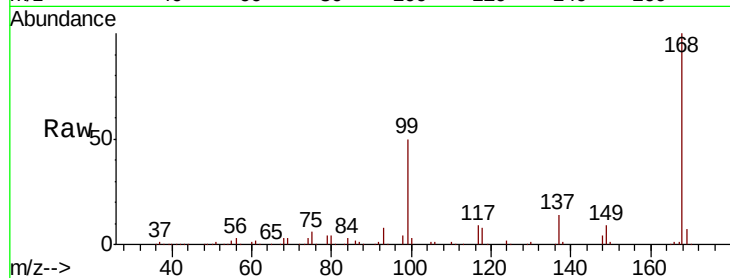
VSTDIC001

Tot Ion:168 Resp: 489004

Ion Ratio Lower Upper

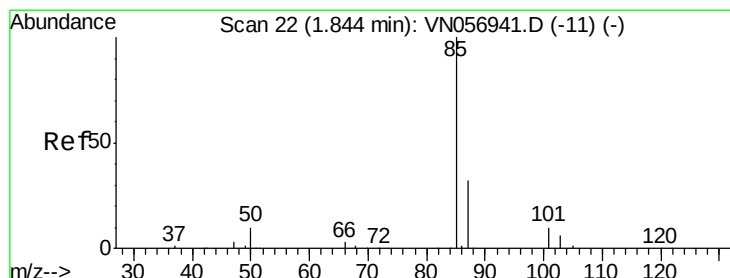
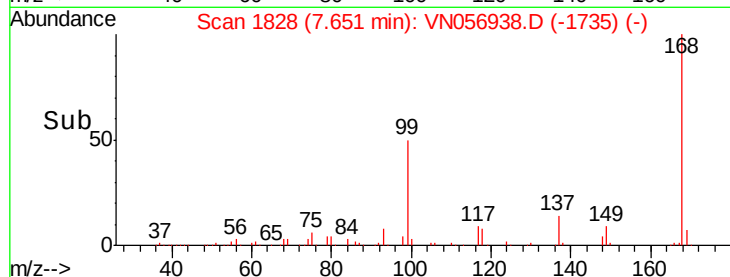
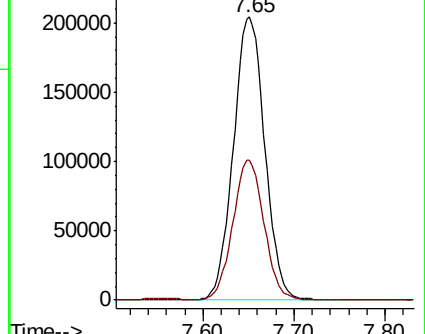
168 100

99 49.6 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.780 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN056938.D

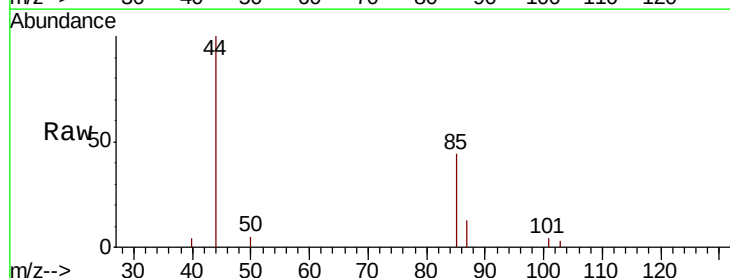
Acq: 26 Jul 2019 8:51

Tgt Ion: 85 Resp: 4025

Ion Ratio Lower Upper

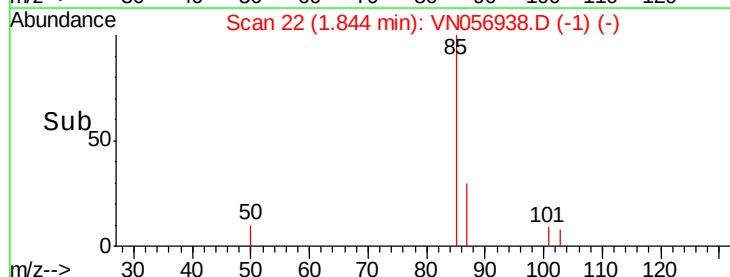
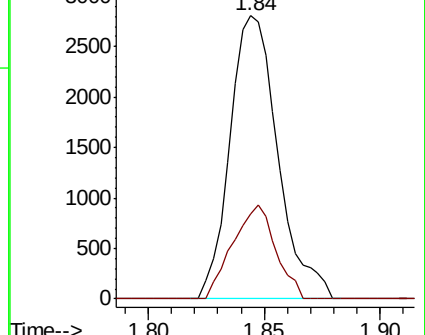
85 100

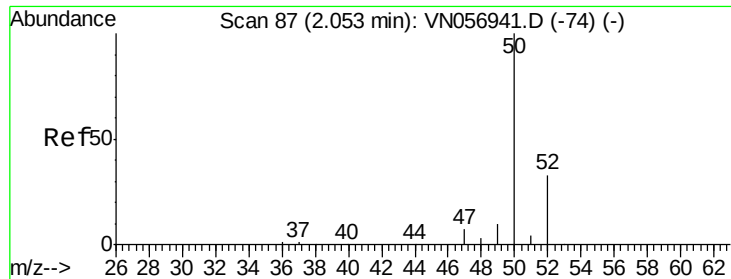
87 29.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 0.961 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

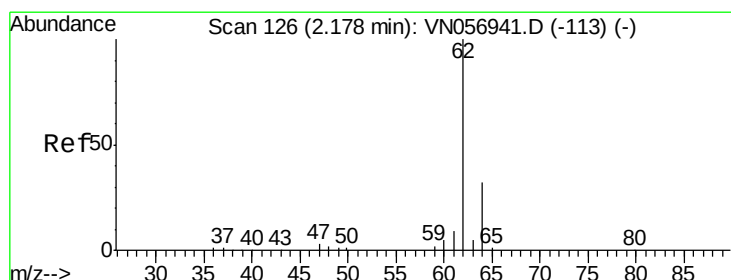
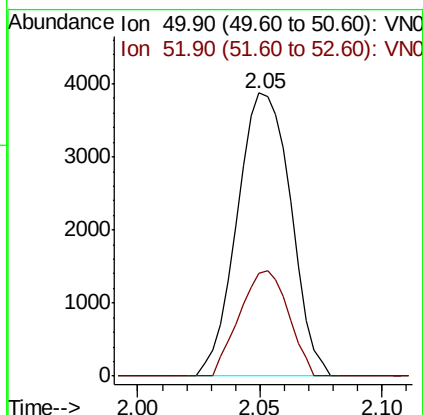
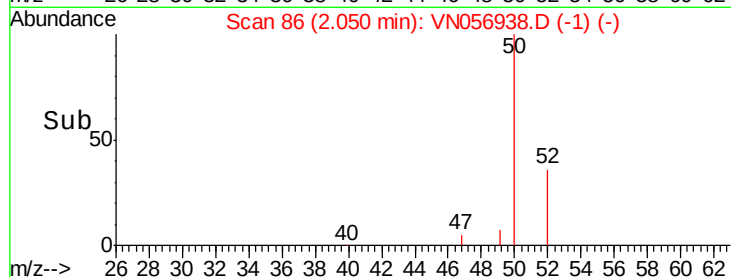
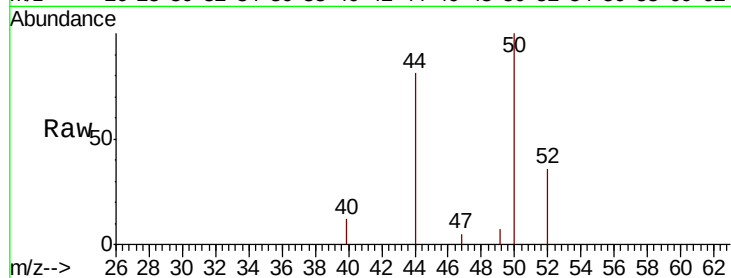
VSTDIC001

Tot Ion: 50 Resp: 5909

Ion Ratio Lower Upper

50 100

52 36.2 26.2 39.2



#4

Vinyl Chloride

Concen: 0.902 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN056938.D

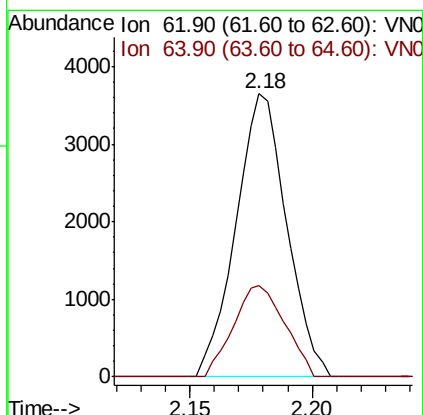
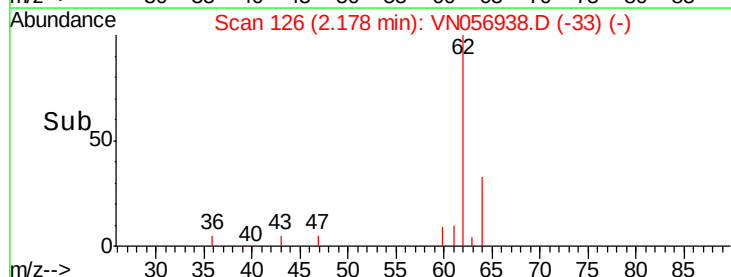
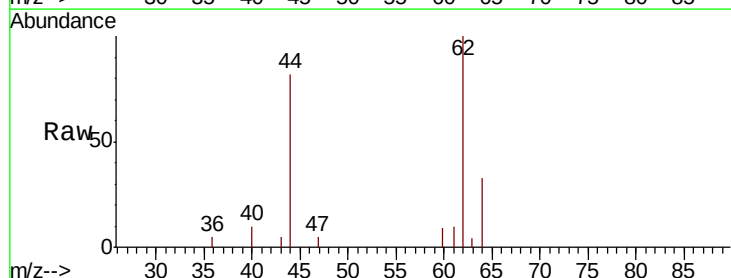
Acq: 26 Jul 2019 8:51

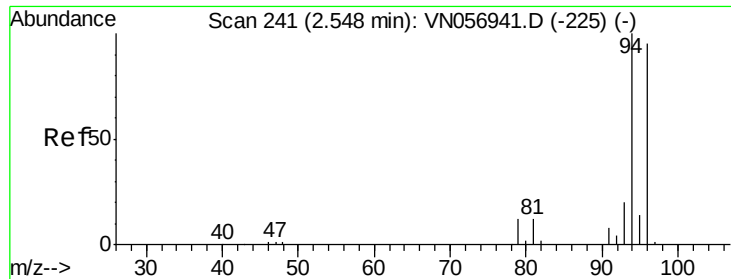
Tgt Ion: 62 Resp: 5255

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 1.376 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

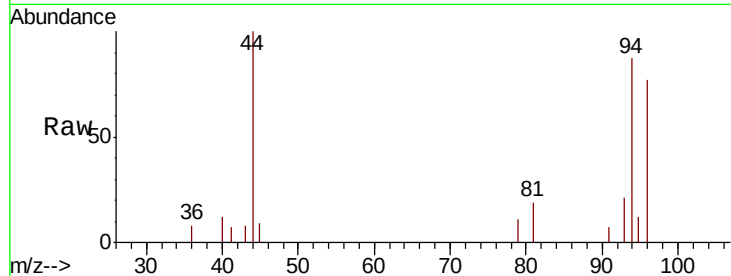
VSTDIC001

Tot Ion: 94 Resp: 4841

Ion Ratio Lower Upper

94 100

96 88.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2500

2000

1500

1000

500

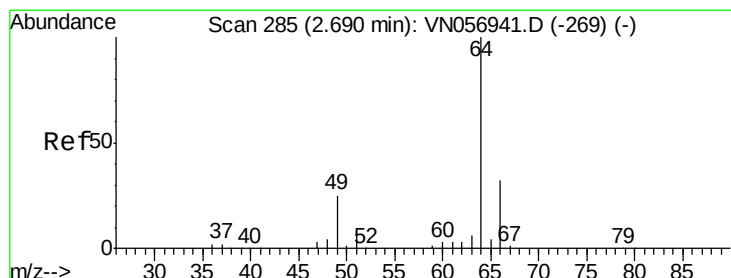
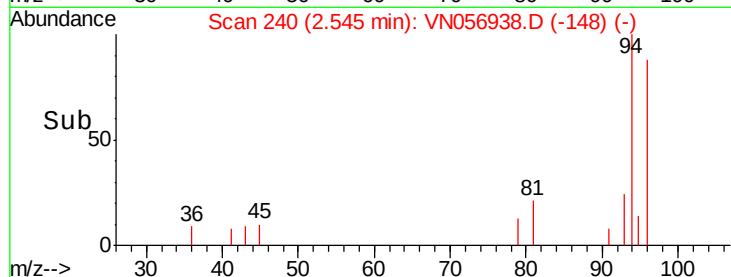
0

Time-->

2.50

2.55

2.60



#6

Chloroethane

Concen: 0.950 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056938.D

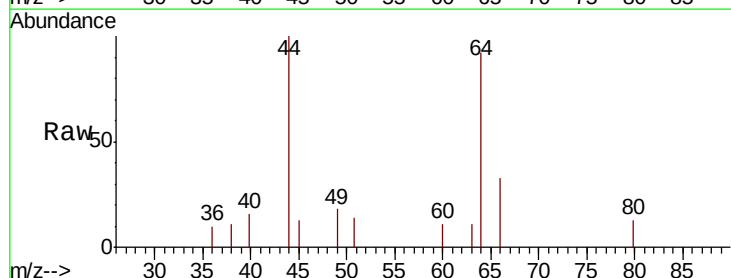
Acq: 26 Jul 2019 8:51

Tgt Ion: 64 Resp: 3066

Ion Ratio Lower Upper

64 100

66 35.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

1500

1000

500

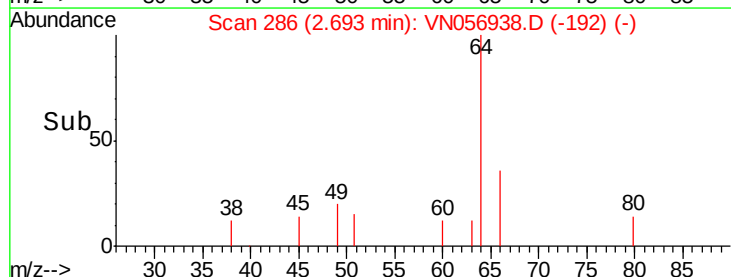
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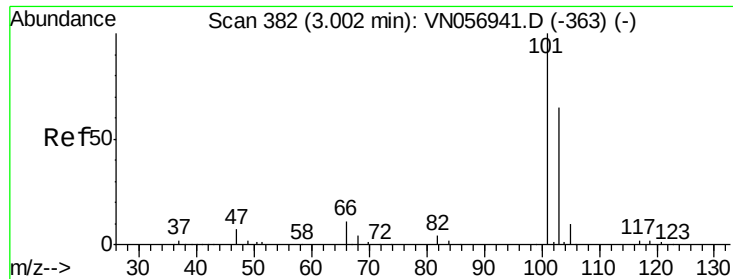
Time-->

2.65

2.70

2.75



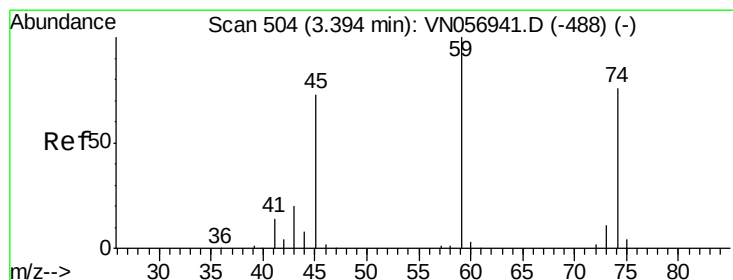
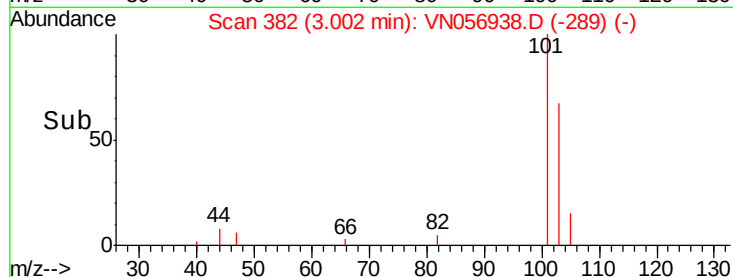
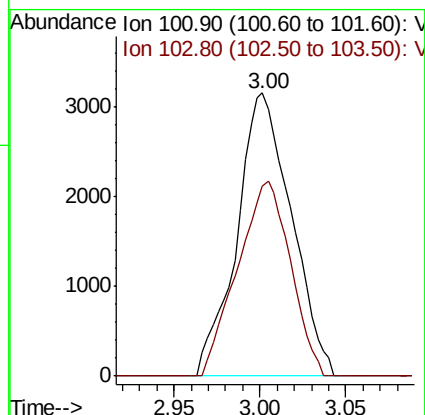
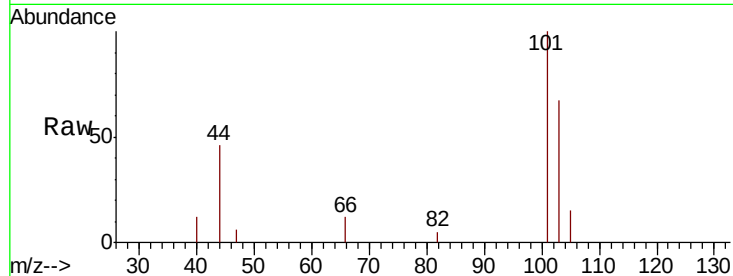


#7

Trichlorofluoromethane
 Concen: 0.912 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

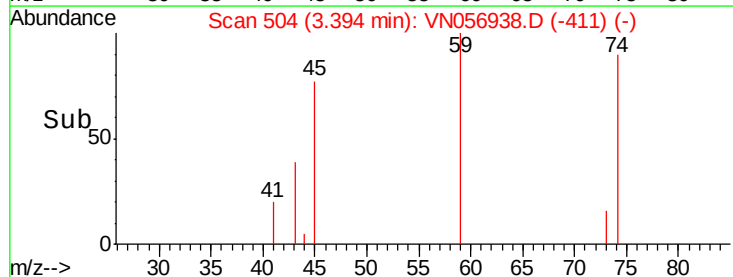
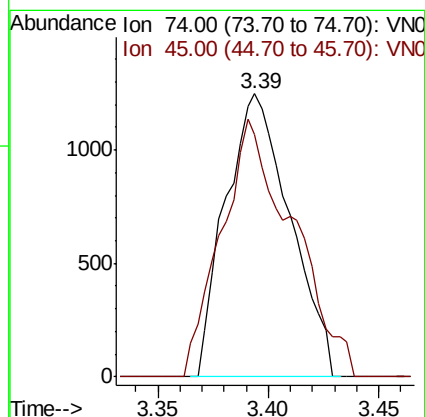
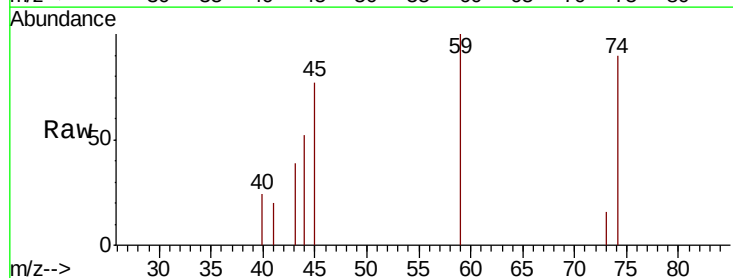
Tot Ion: 101 Resp: 6931
 Ion Ratio Lower Upper
 101 100
 103 67.1 52.1 78.1

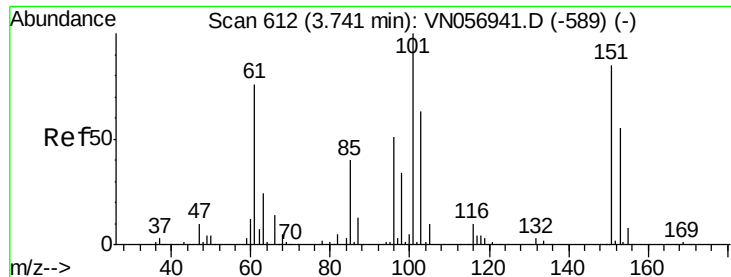


#8

Diethyl Ether
 Concen: 0.888 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion: 74 Resp: 2525
 Ion Ratio Lower Upper
 74 100
 45 101.4 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.516 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

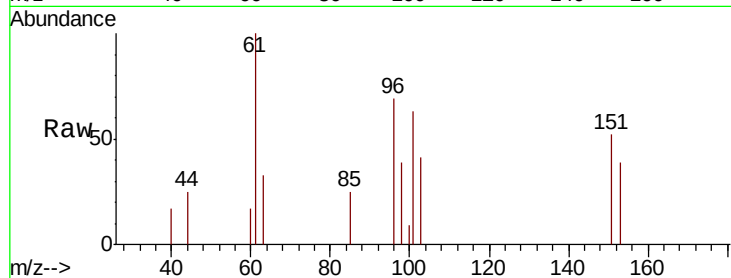
Tot Ion:101 Resp: 2423

Ion Ratio Lower Upper

101 100

85 27.2 32.3 48.5#

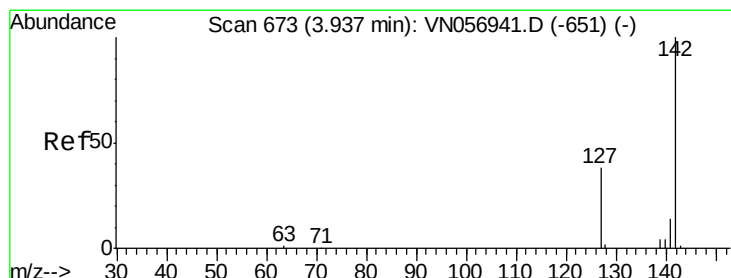
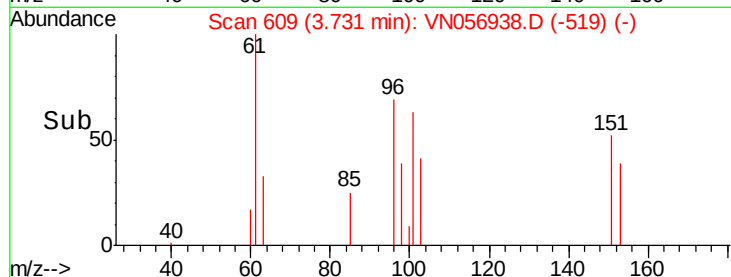
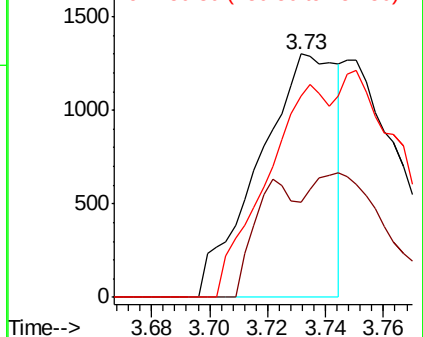
151 70.5 68.0 102.0



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: 0.689 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

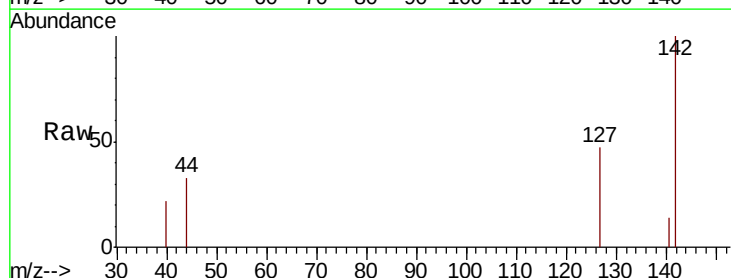
Tgt Ion:142 Resp: 4675

Ion Ratio Lower Upper

142 100

127 39.5 30.4 45.6

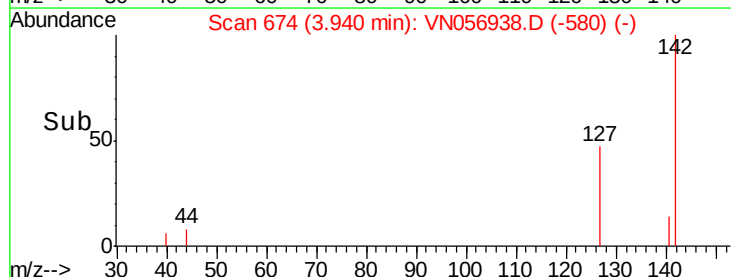
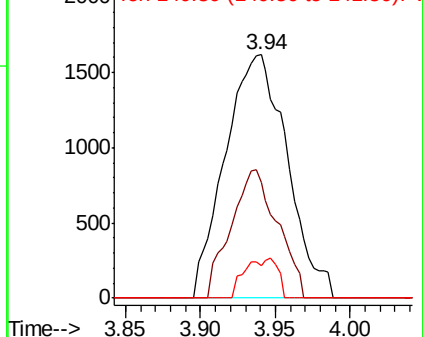
141 8.6 11.1 16.7#

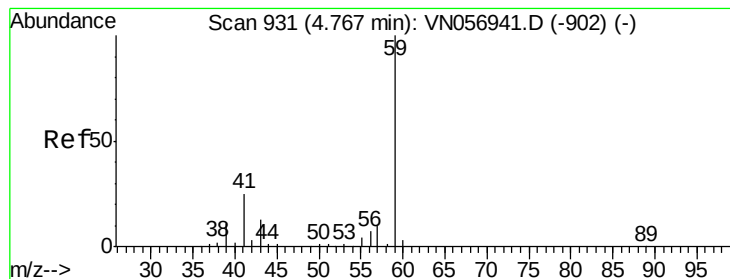


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.491 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.02 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampled :

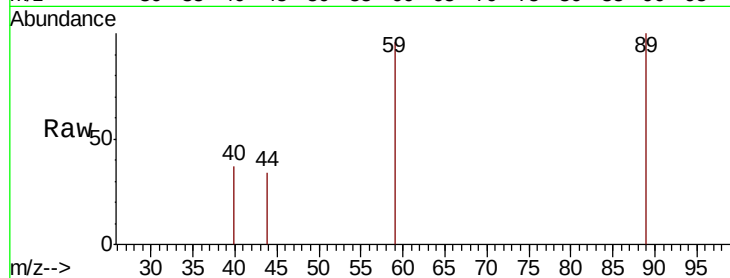
VSTDIC001

Tot Ion: 59 Resp: 357

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

1000

800

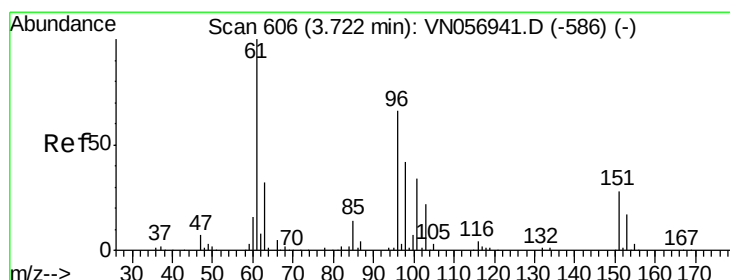
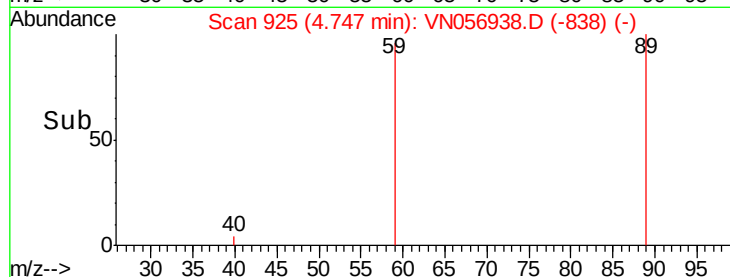
600

400

200

0

Time--> 4.72 4.73 4.74 4.75 4.76



#12

1,1-Dichloroethene

Concen: 0.887 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

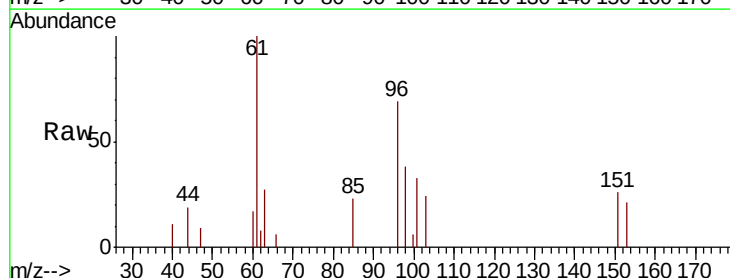
Tgt Ion: 96 Resp: 4001

Ion Ratio Lower Upper

96 100

61 144.5 121.8 182.8

98 54.8 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

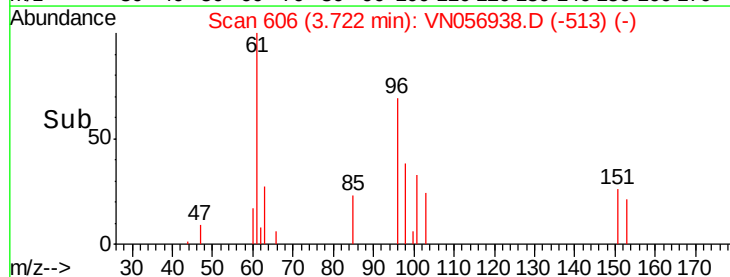
3000

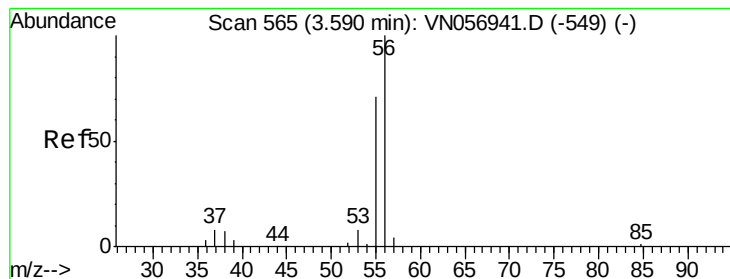
2000

1000

0

Time--> 3.65 3.70 3.75





#13

Acrolein

Concen: 5.064 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

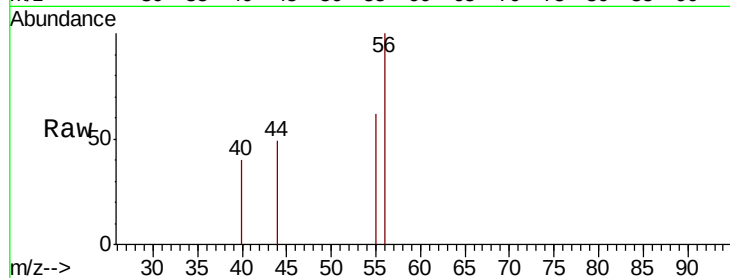
VSTDIC001

Tot Ion: 56 Resp: 2030

Ion Ratio Lower Upper

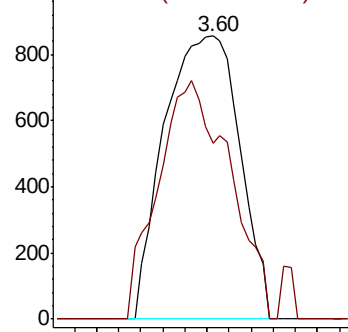
56 100

55 80.6 55.8 83.6

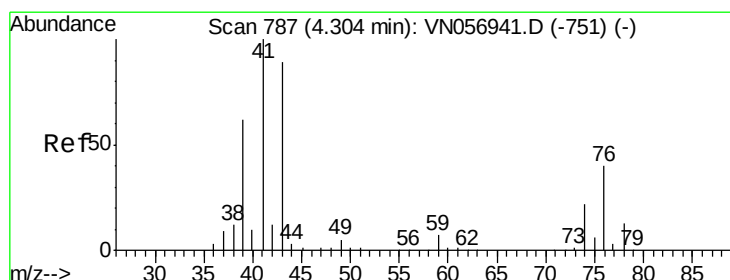
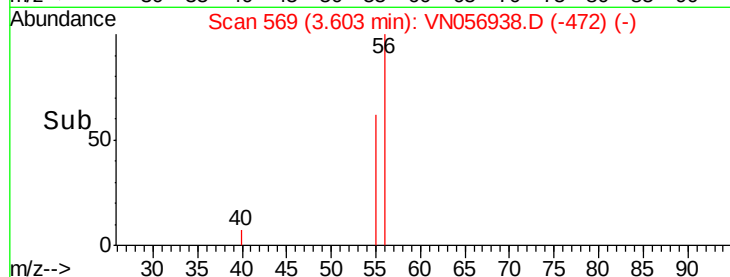


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 0.825 ug/l

RT: 4.30 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

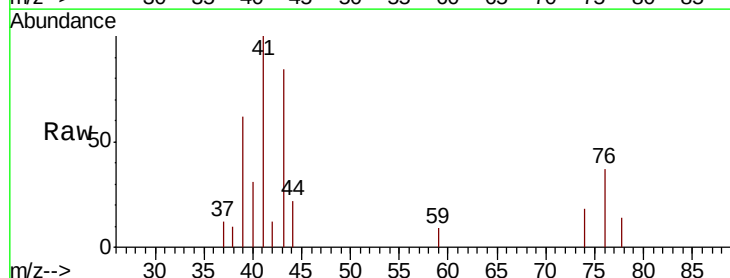
Tgt Ion: 41 Resp: 6047

Ion Ratio Lower Upper

41 100

39 64.3 46.4 69.6

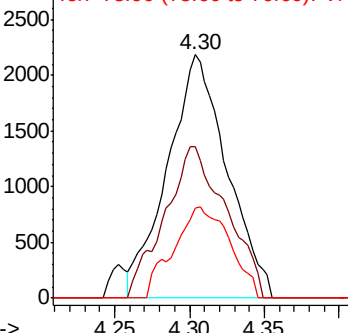
76 35.2 28.4 42.6



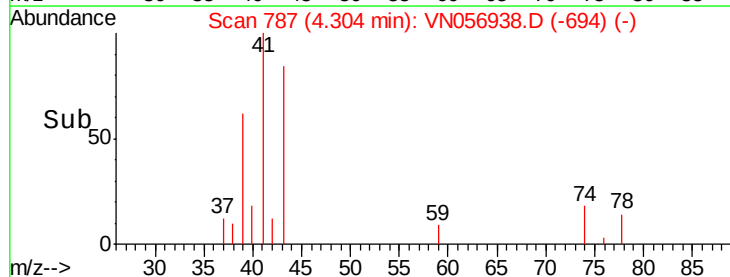
Abundance Ion 41.00 (40.70 to 41.70): VN0

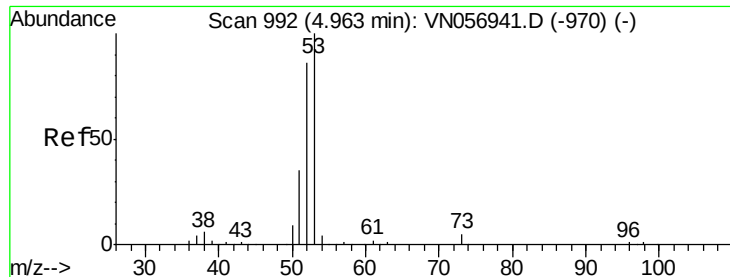
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 3.617 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

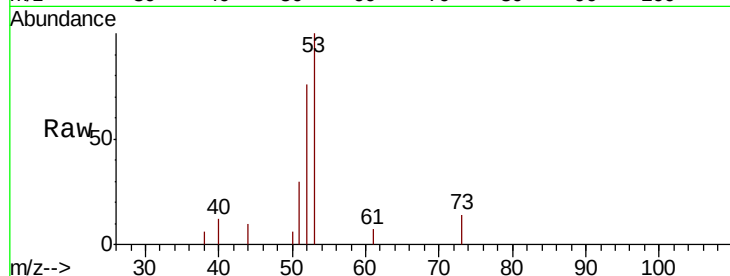
Tot Ion: 53 Resp: 7523

Ion Ratio Lower Upper

53 100

52 91.2 66.5 99.7

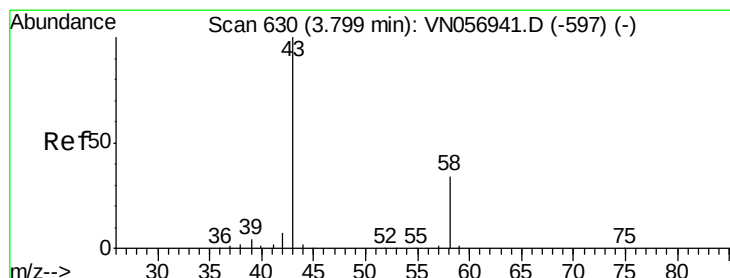
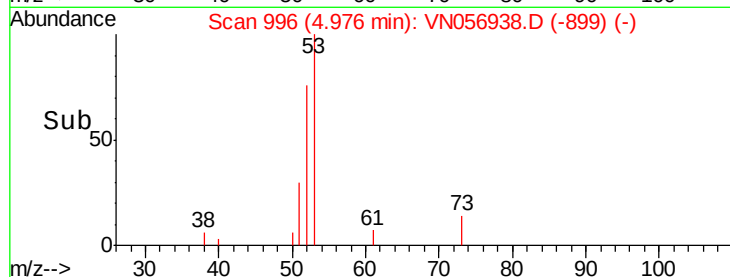
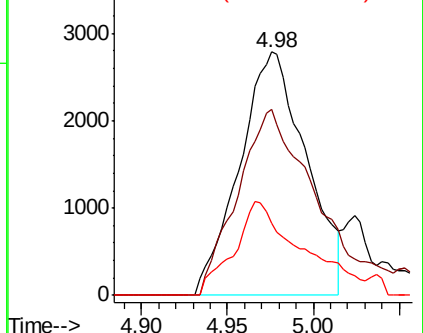
51 39.6 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056938.D (-899) (-)

Ion 52.00 (51.70 to 52.70): VN056938.D (-899) (-)

Ion 51.00 (50.70 to 51.70): VN056938.D (-899) (-)



#16

Acetone

Concen: 5.297 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN056938.D

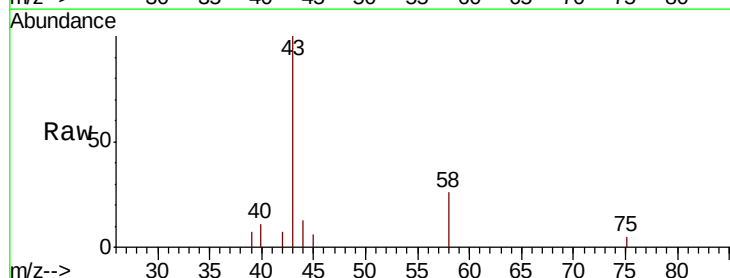
Acq: 26 Jul 2019 8:51

Tgt Ion: 43 Resp: 9185

Ion Ratio Lower Upper

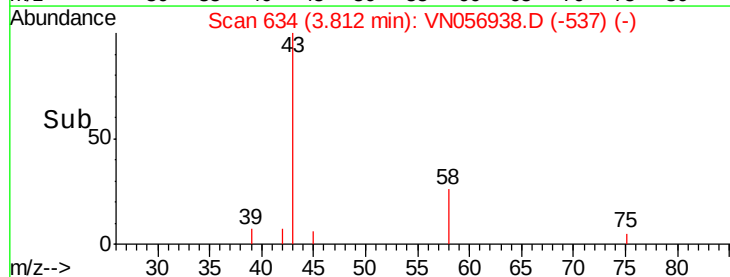
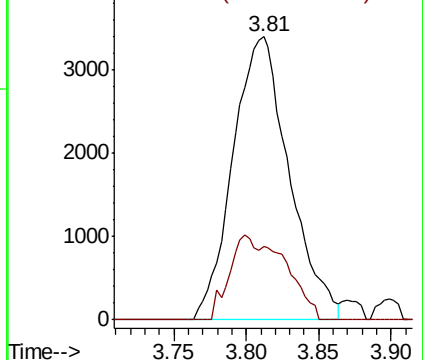
43 100

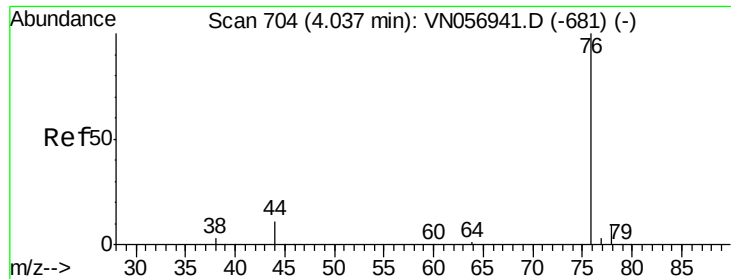
58 25.9 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN056938.D (-537) (-)

Ion 58.00 (57.70 to 58.70): VN056938.D (-537) (-)

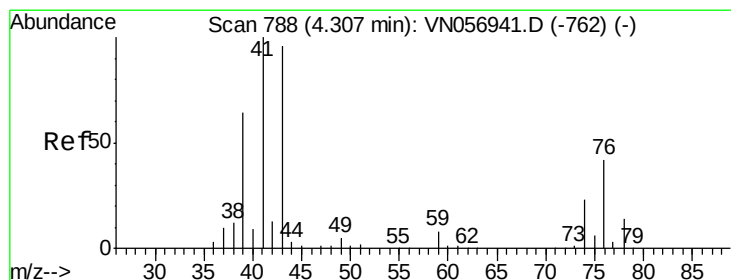
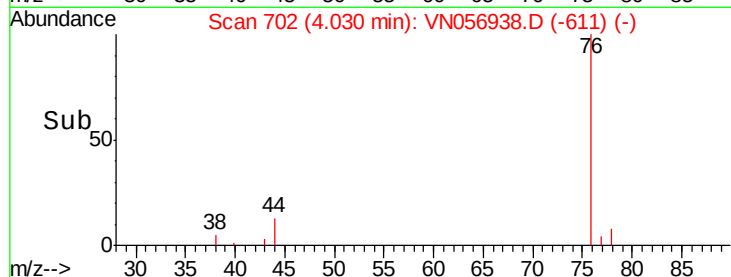
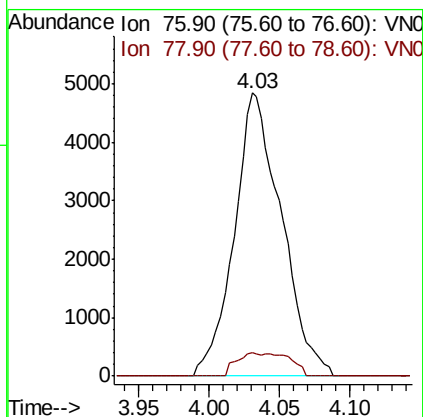
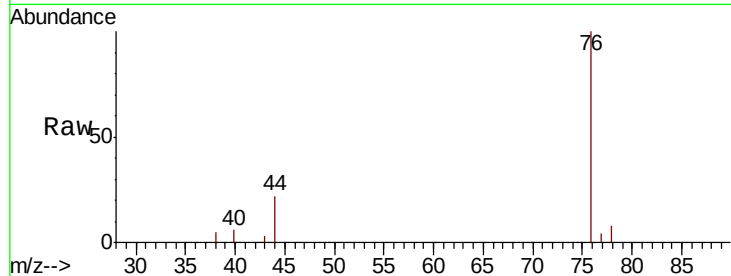




#17
Carbon Disulfide
Concen: 0.934 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.01 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

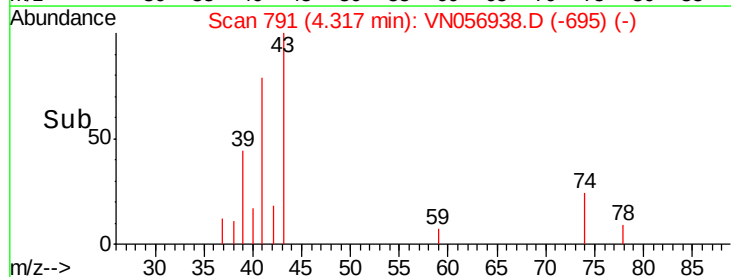
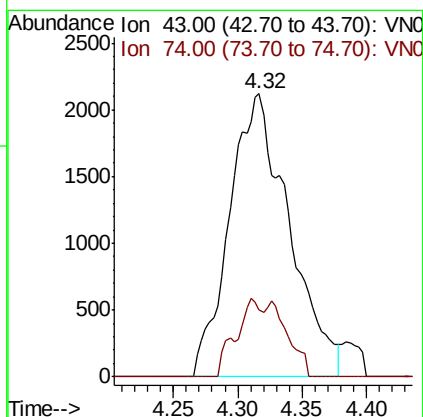
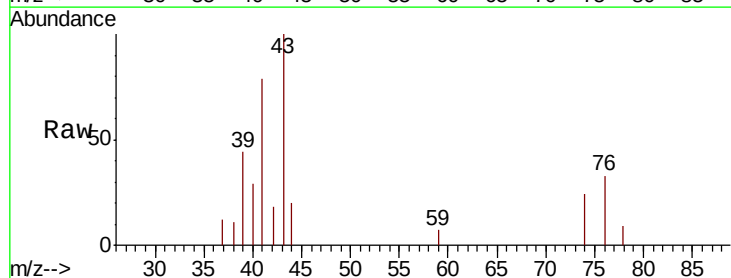
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

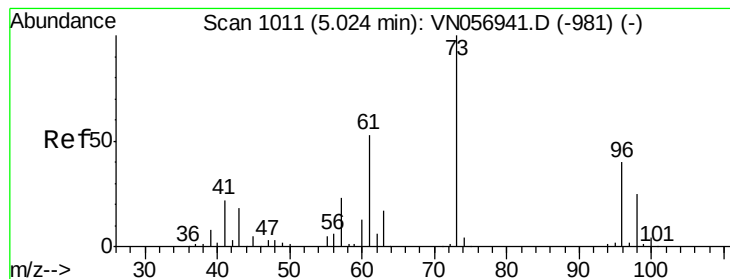
Tot Ion: 76 Resp: 11298
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8



#18
Methyl Acetate
Concen: 1.131 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 43 Resp: 6816
Ion Ratio Lower Upper
43 100
74 12.3 19.7 29.5#





#19

Methyl tert-butyl Ether

Concen: 0.405 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

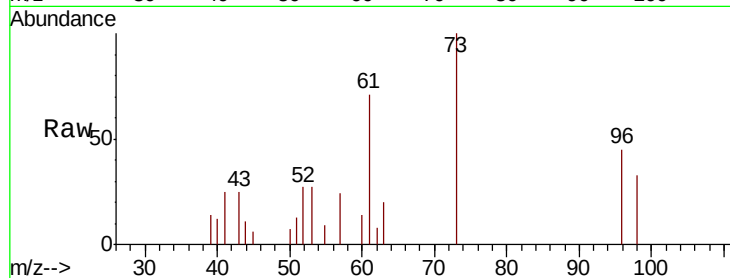
VSTDIC001

Tot Ion: 73 Resp: 5399

Ion Ratio Lower Upper

73 100

57 23.7 18.3 27.5

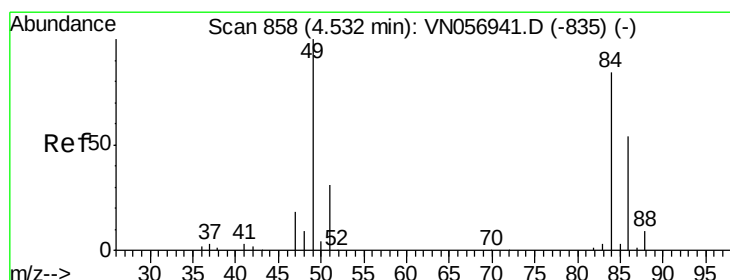
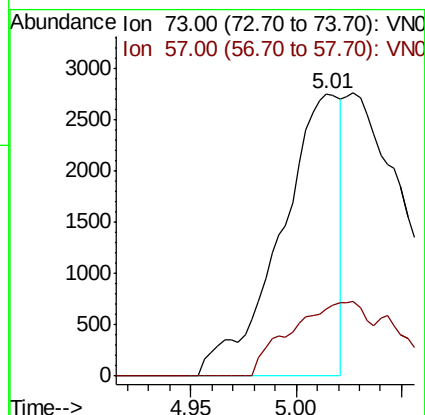
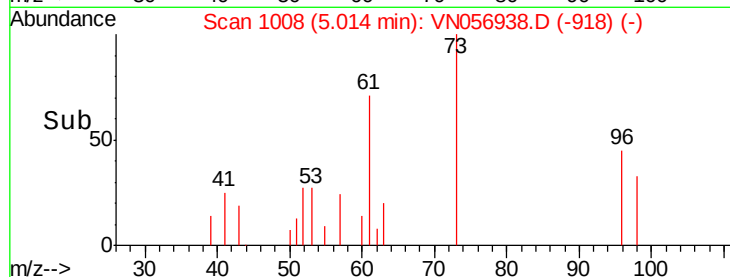


Abundance Ion 73.00 (72.70 to 73.70): VN056941.D (-981) (-)

Ion 57.00 (56.70 to 57.70): VN056941.D (-981) (-)

5.01

Time-->



#20

Methylene Chloride

Concen: 1.161 ug/l

RT: 4.54 min Scan# 859

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Tgt Ion: 84 Resp: 6239

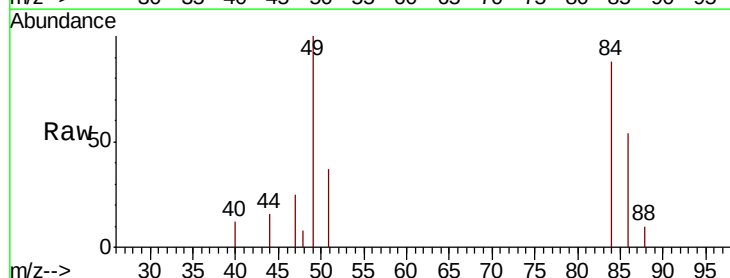
Ion Ratio Lower Upper

84 100

49 113.0 95.2 142.8

51 42.3 29.7 44.5

86 61.5 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VN056941.D (-835) (-)

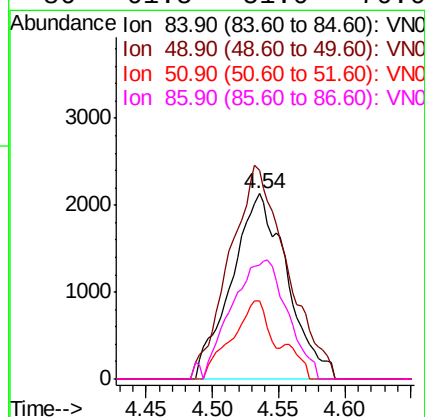
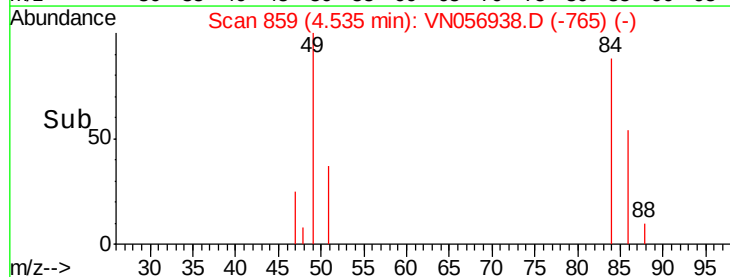
Ion 48.90 (48.60 to 49.60): VN056941.D (-835) (-)

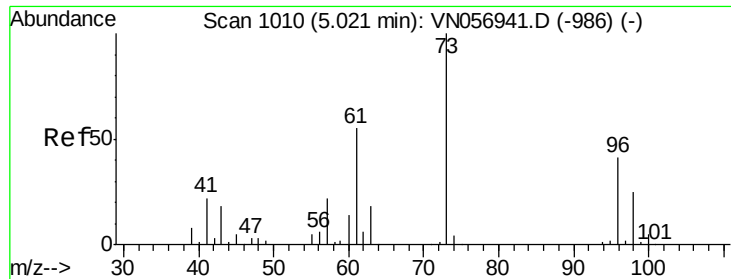
Ion 50.90 (50.60 to 51.60): VN056941.D (-835) (-)

Ion 85.90 (85.60 to 86.60): VN056941.D (-835) (-)

4.54

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.882 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

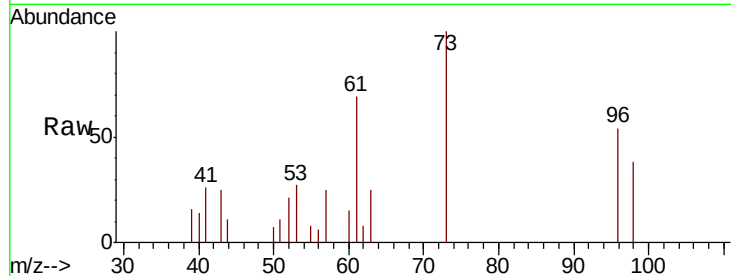
Tot Ion: 96 Resp: 4256

Ion Ratio Lower Upper

96 100

61 115.9 107.5 161.3

98 71.2 49.9 74.9

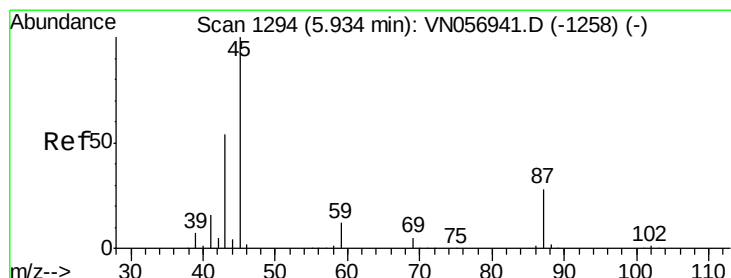
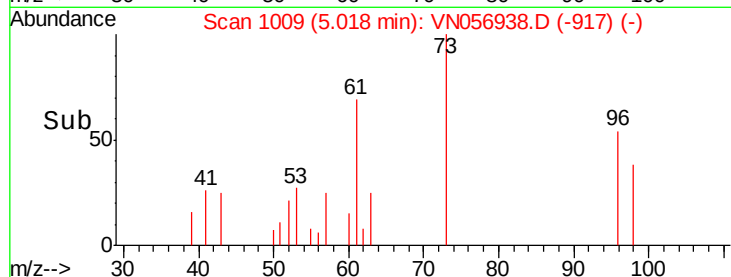
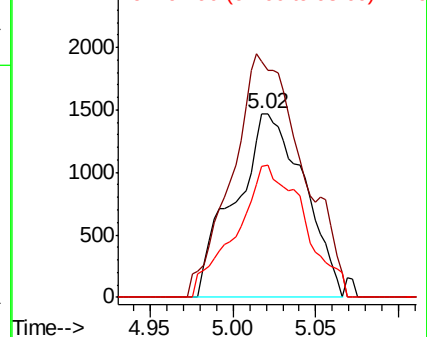


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 0.897 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Tgt Ion: 45 Resp: 13345

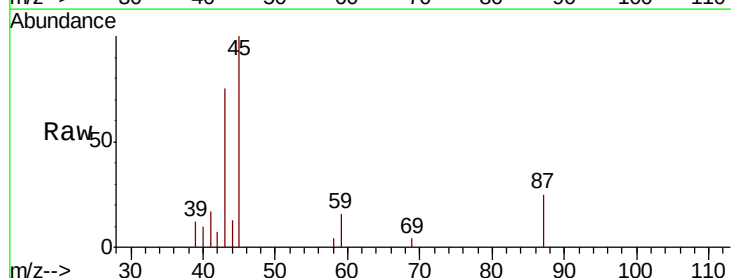
Ion Ratio Lower Upper

45 100

43 68.8 44.7 67.1#

87 25.1 23.0 34.6

59 15.5 9.8 14.8#



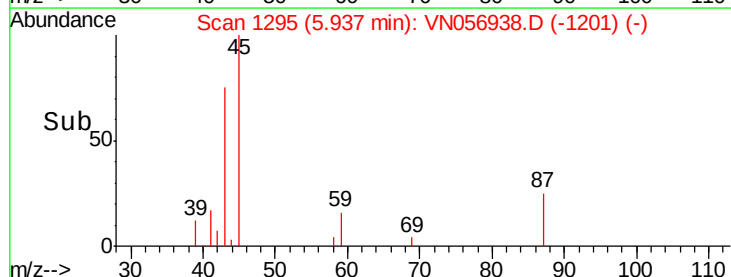
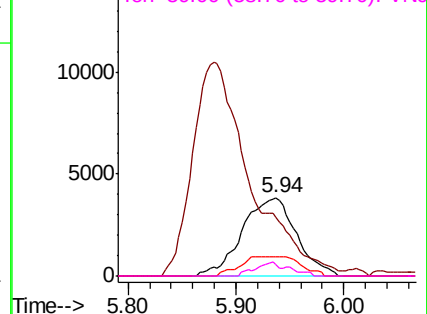
Abundance

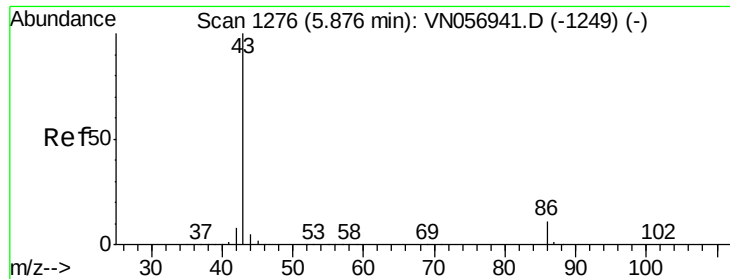
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 3.784 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

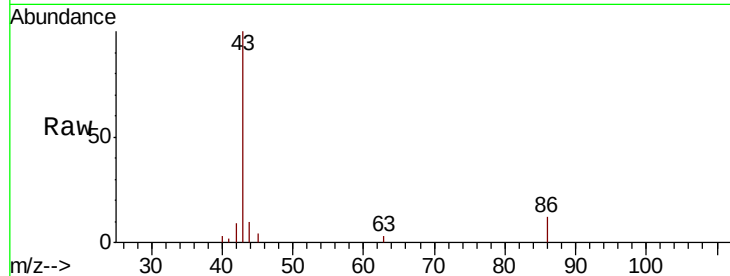
VSTDIC001

Tot Ion: 43 Resp: 39010

Ion Ratio Lower Upper

43 100

86 12.2 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056938.D (-1276) (-)

Ion 86.00 (85.70 to 86.70): VN056938.D (-1276) (-)

5.88

12000

10000

8000

6000

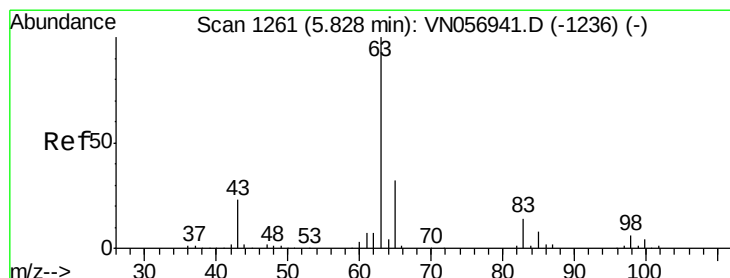
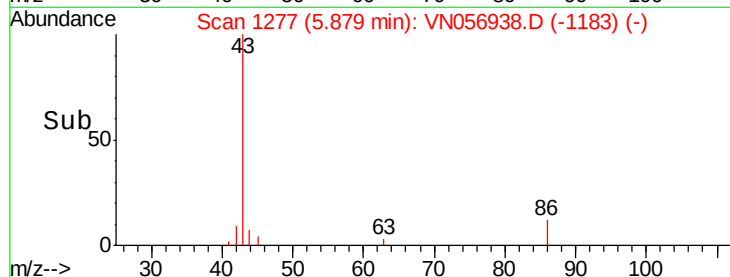
4000

2000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 0.960 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

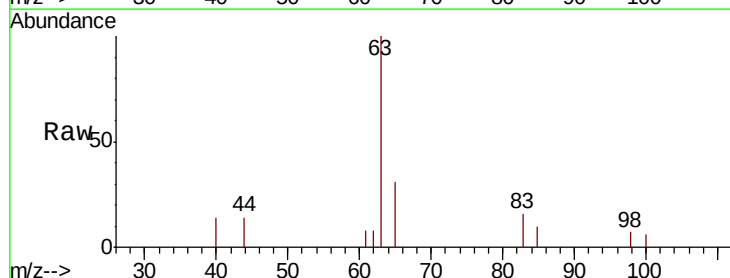
Tgt Ion: 63 Resp: 8407

Ion Ratio Lower Upper

63 100

98 7.1 3.2 9.6

100 5.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN056938.D (-1261) (-)

Ion 97.90 (97.60 to 98.60): VN056938.D (-1261) (-)

Ion 99.90 (99.60 to 100.60): VN056938.D (-1261) (-)

5.83

3000

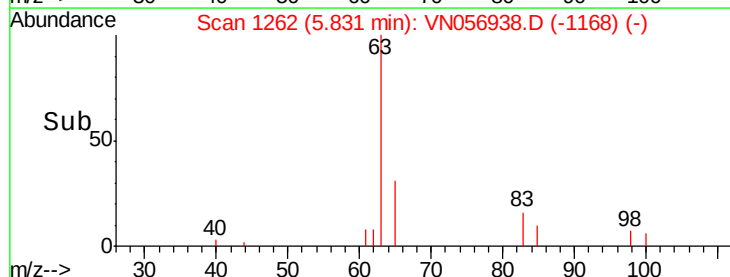
2000

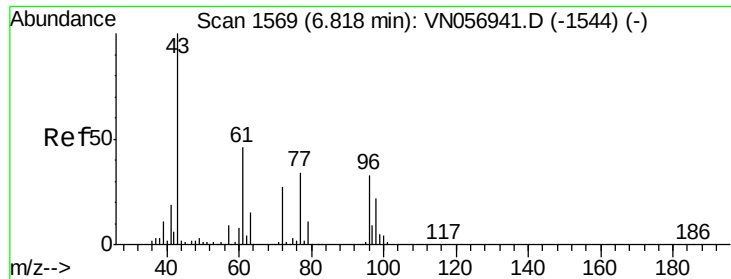
1000

0

Time-->

5.75 5.80 5.85 5.90





#25

2-Butanone

Concen: 3.873 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

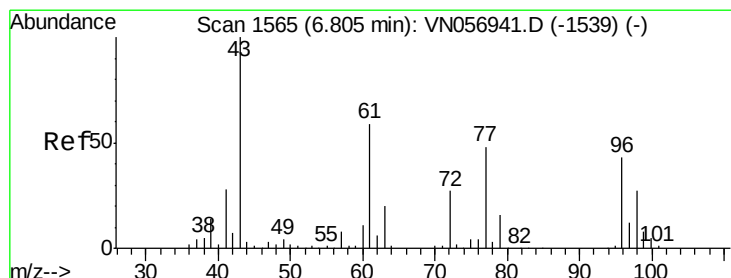
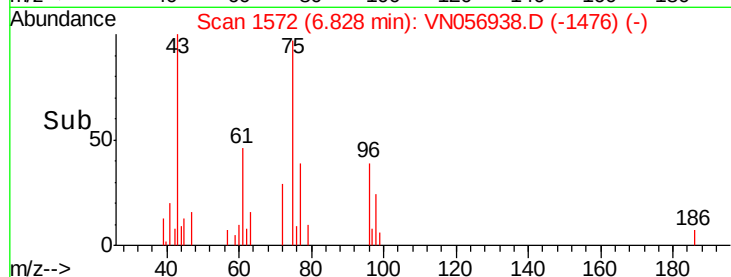
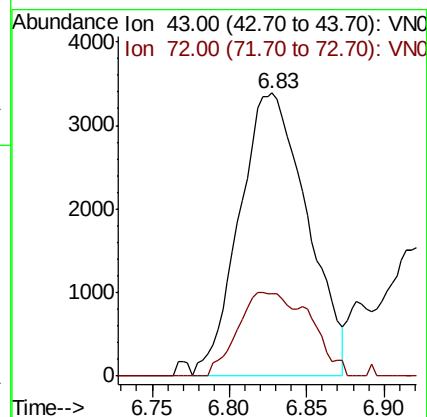
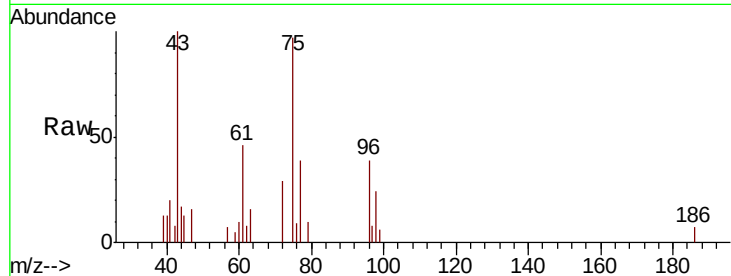
VSTDIC001

Tot Ion: 43 Resp: 10305

Ion Ratio Lower Upper

43 100

72 29.1 21.5 32.3



#26

2,2-Dichloropropane

Concen: 1.008 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN056938.D

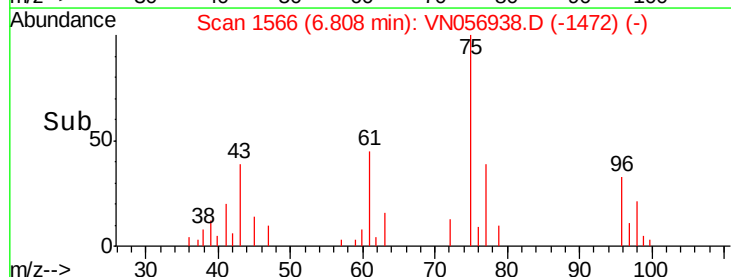
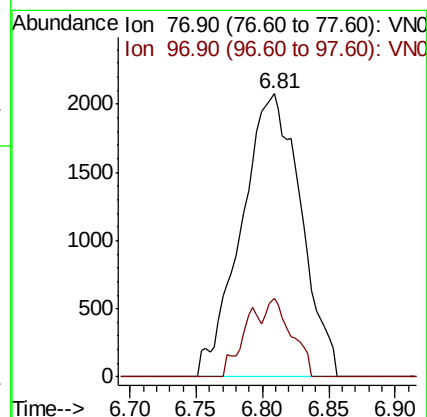
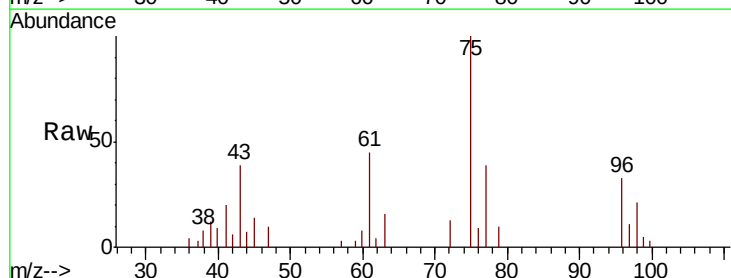
Acq: 26 Jul 2019 8:51

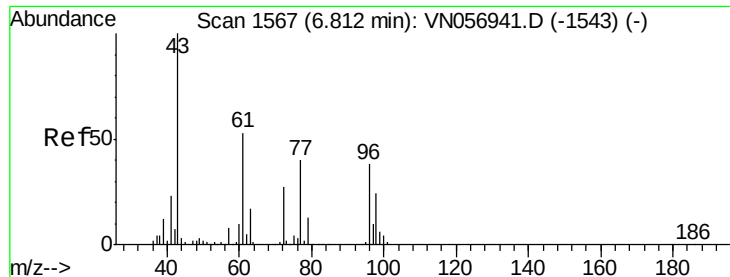
Tgt Ion: 77 Resp: 6492

Ion Ratio Lower Upper

77 100

97 12.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 1.028 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

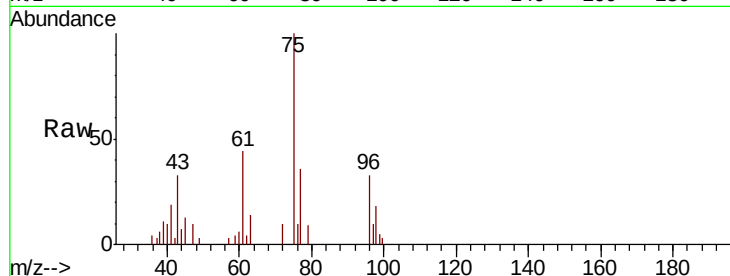
Tot Ion: 96 Resp: 5659

Ion Ratio Lower Upper

96 100

61 129.5 0.0 277.2

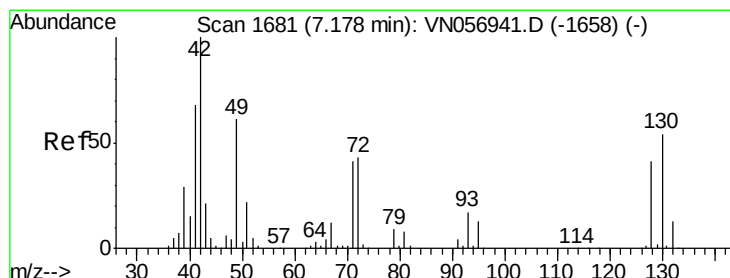
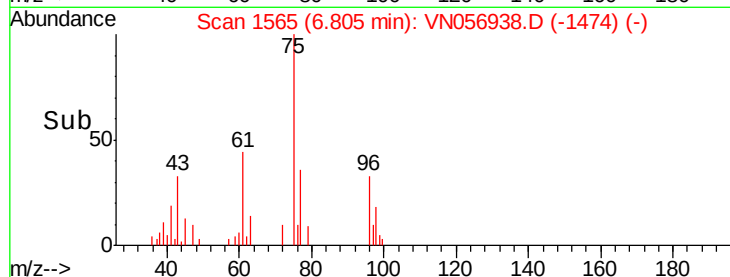
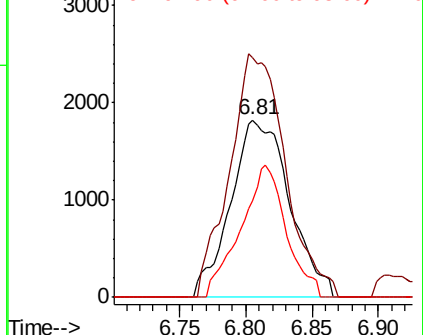
98 57.4 0.0 128.4



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: 0.981 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

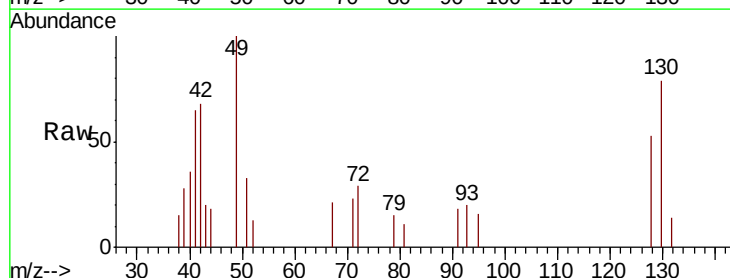
Tgt Ion: 49 Resp: 3941

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

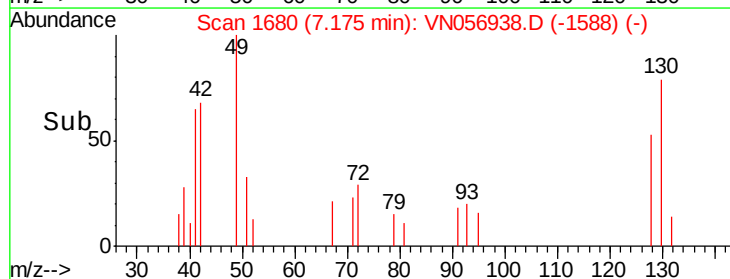
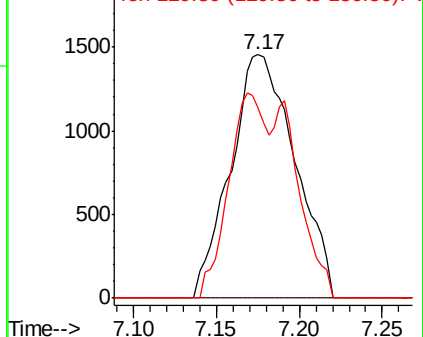
130 49.4 69.0 103.4#

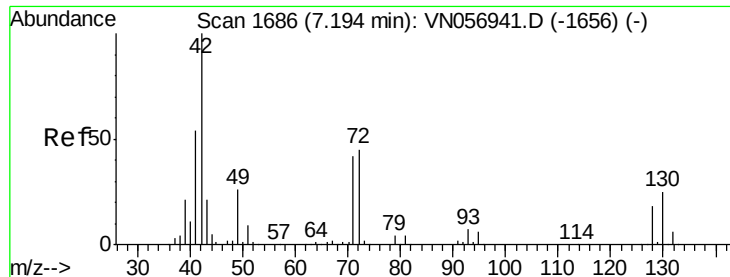


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 4.042 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

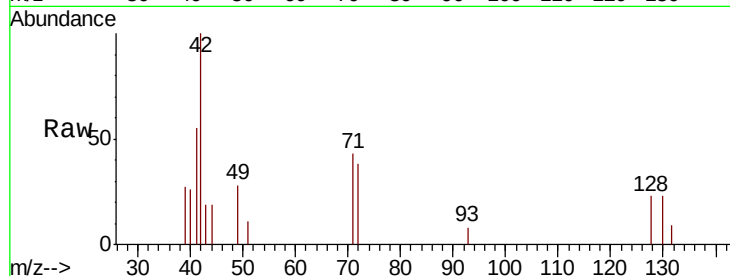
Tot Ion: 42 Resp: 7035

Ion Ratio Lower Upper

42 100

72 42.5 35.6 53.4

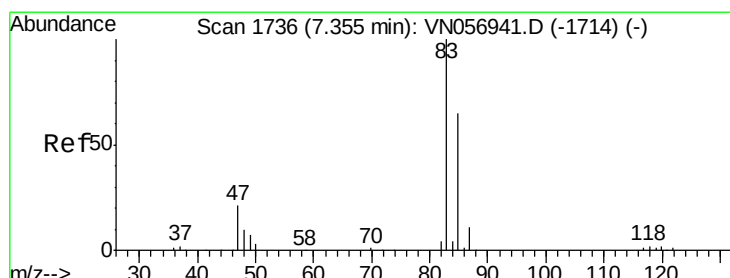
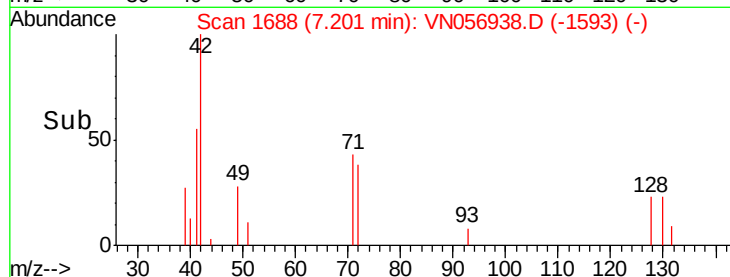
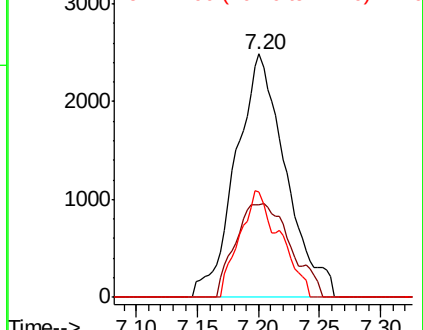
71 35.5 33.5 50.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.112 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN056938.D

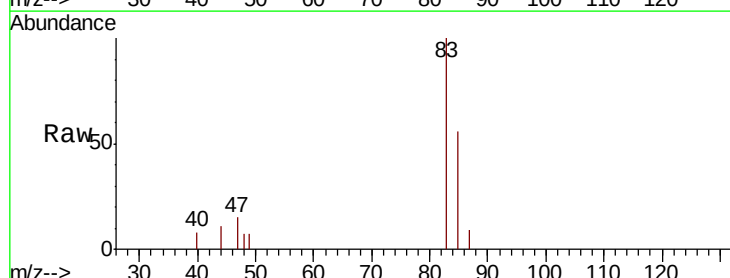
Acq: 26 Jul 2019 8:51

Tgt Ion: 83 Resp: 10026

Ion Ratio Lower Upper

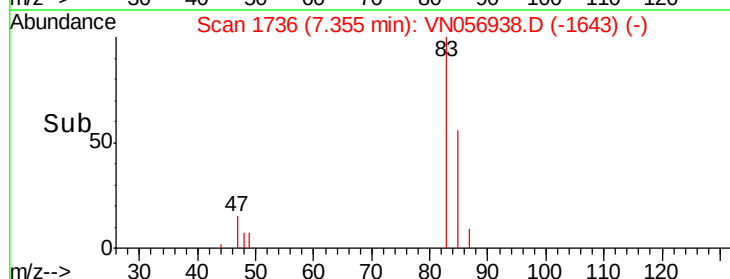
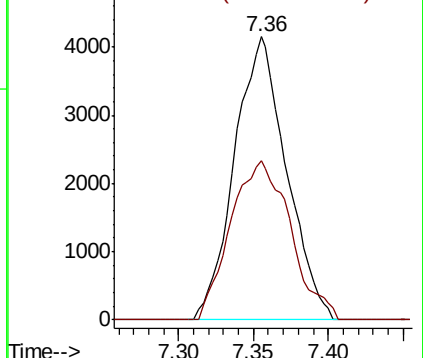
83 100

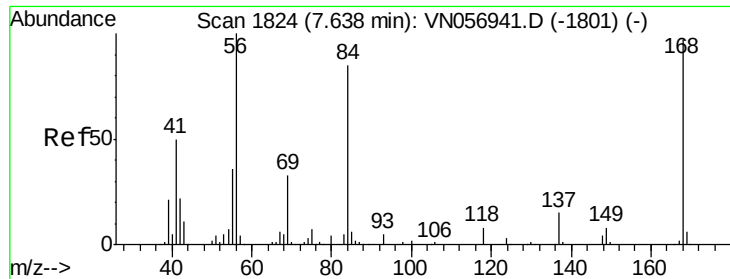
85 56.1 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

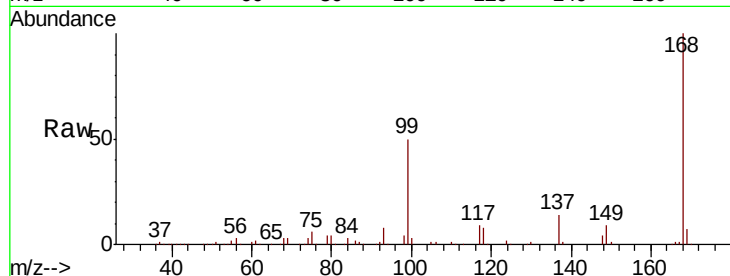




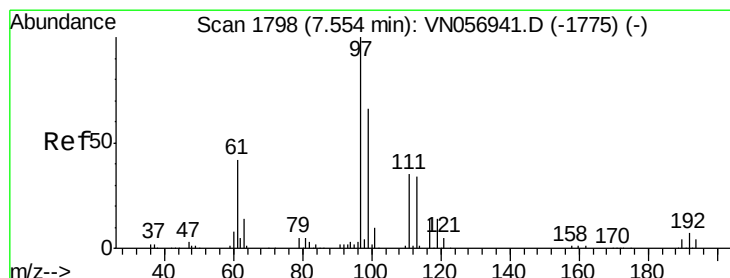
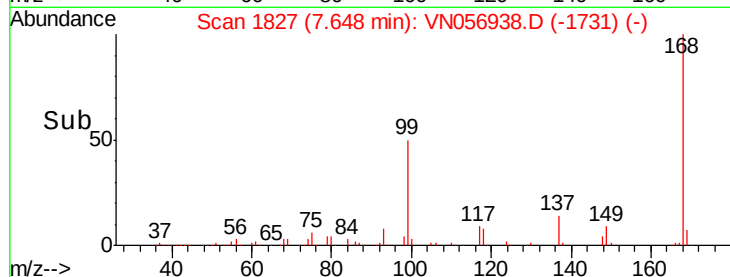
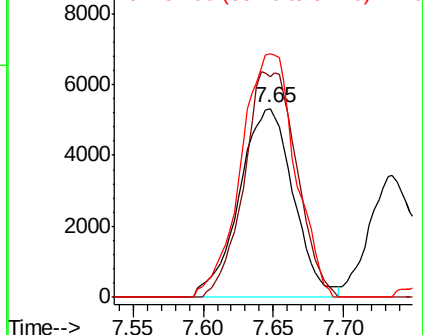
#31
Cyclohexane
Concen: 1.674 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 14262
Ion Ratio Lower Upper
56 100
69 116.8 26.2 39.2#
84 129.1 68.2 102.2#

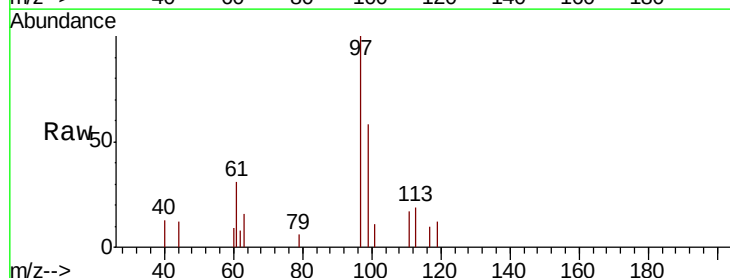


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

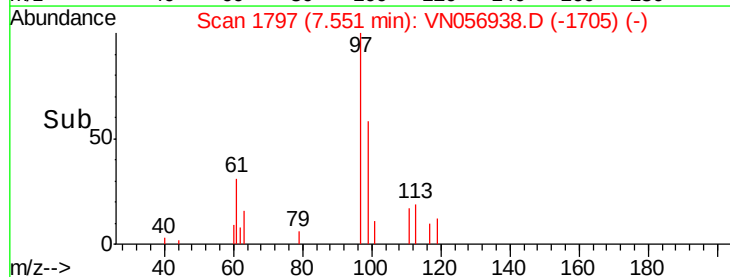
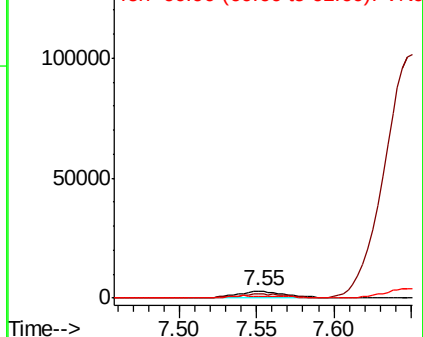


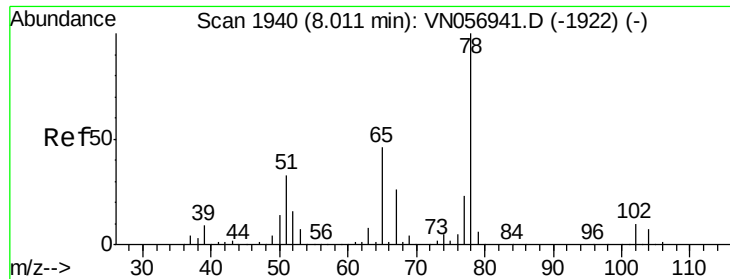
#32
1,1,1-Trichloroethane
Concen: 0.911 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 97 Resp: 6566
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 40.1 33.9 50.9



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





#33

1,2-Dichloroethane-d4

Concen: 0.860 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

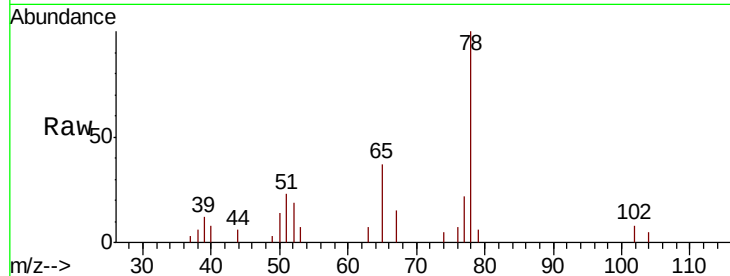
VSTDIC001

Tot Ion: 65 Resp: 4323

Ion Ratio Lower Upper

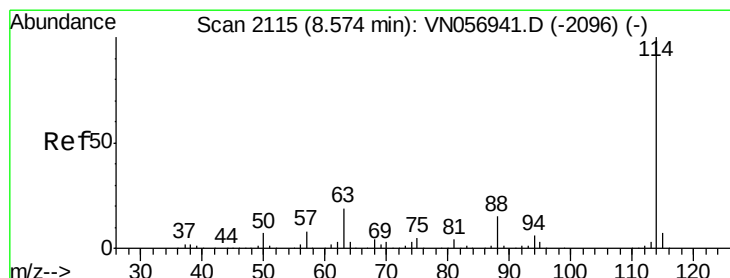
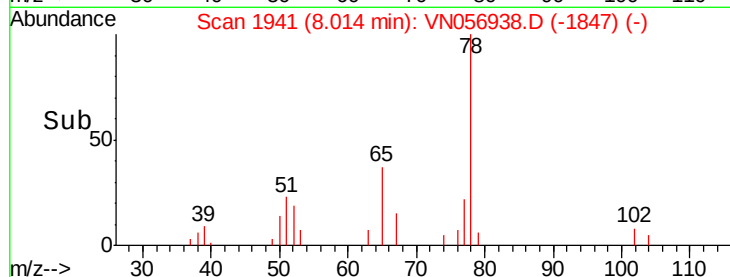
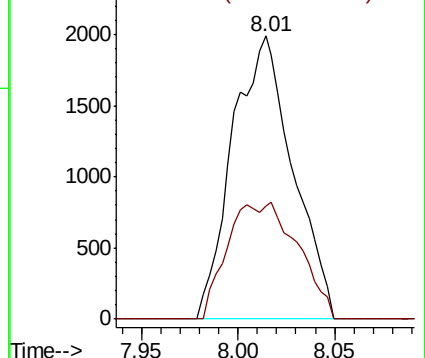
65 100

67 23.2 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN056938.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN056938.D (-1847) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

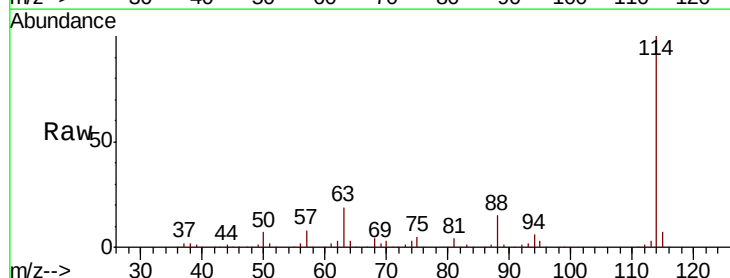
Tgt Ion: 114 Resp: 726547

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

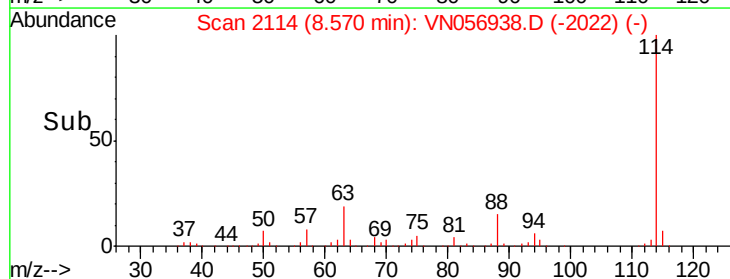
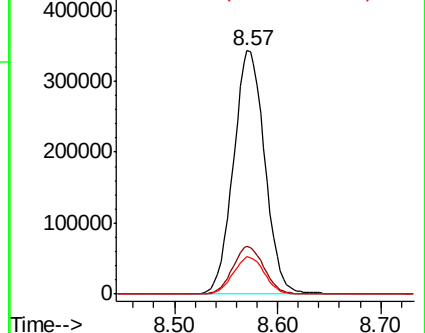
88 15.2 0.0 30.0

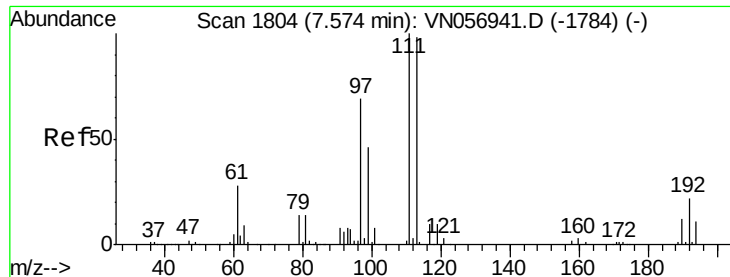


Abundance Ion 113.90 (113.60 to 114.60): VN056938.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN056938.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN056938.D (-2022) (-)

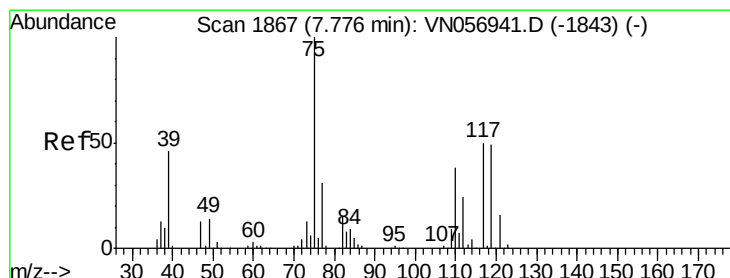
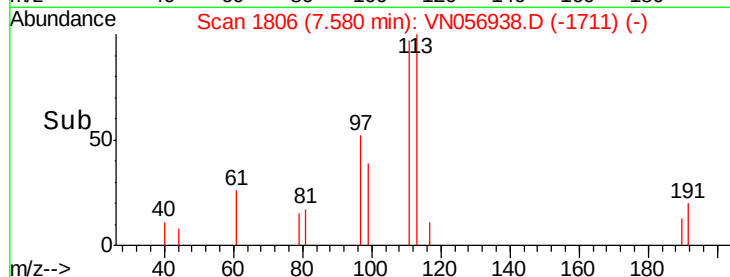
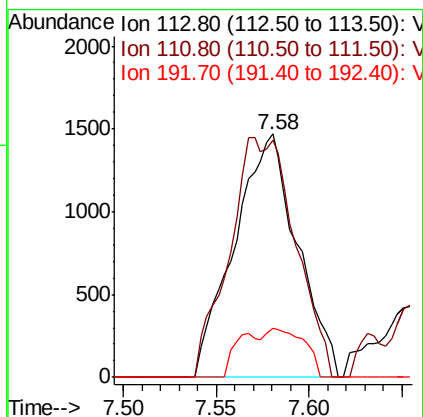
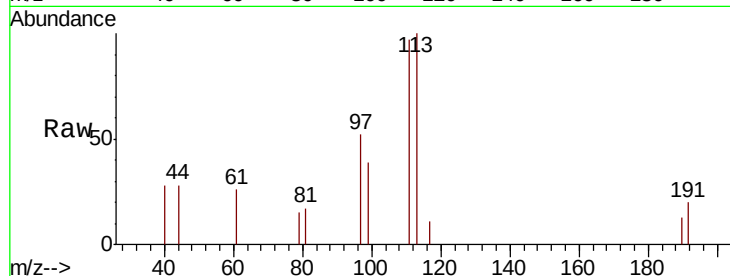




#35
 Dibromofluoromethane
 Concen: 0.755 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

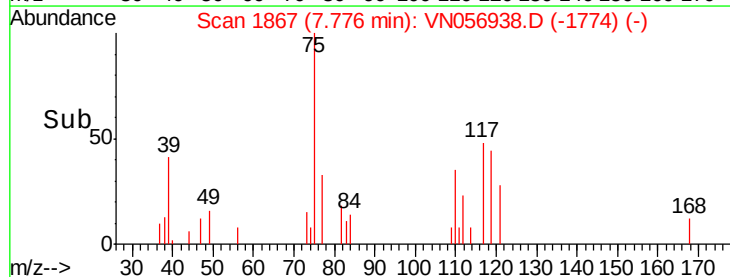
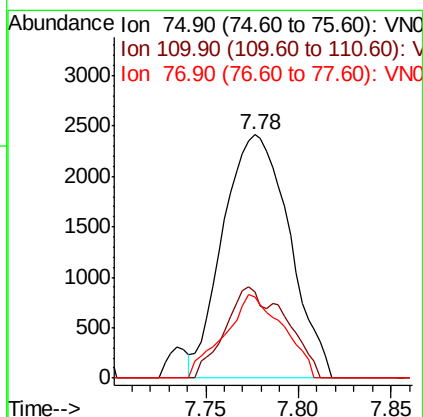
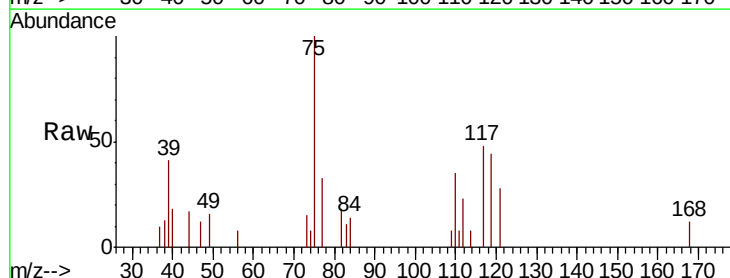
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

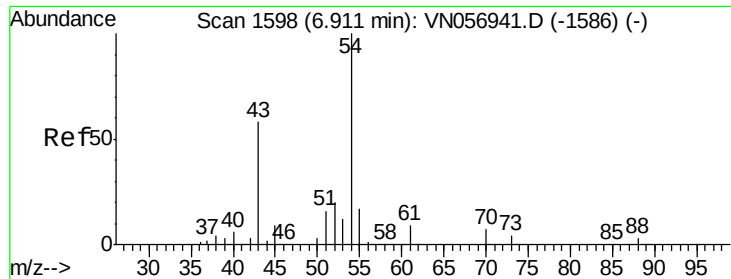
Tot Ion:113 Resp: 3479
 Ion Ratio Lower Upper
 113 100
 111 0.0 82.0 123.0#
 192 12.3 18.4 27.6#



#36
 1,1-Dichloropropene
 Concen: 0.913 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion: 75 Resp: 5984
 Ion Ratio Lower Upper
 75 100
 110 22.1 18.6 55.8
 77 30.5 25.2 37.8

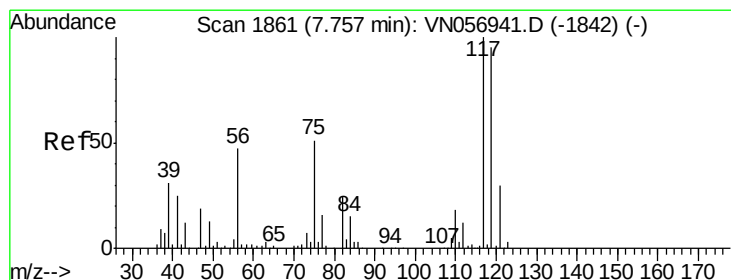
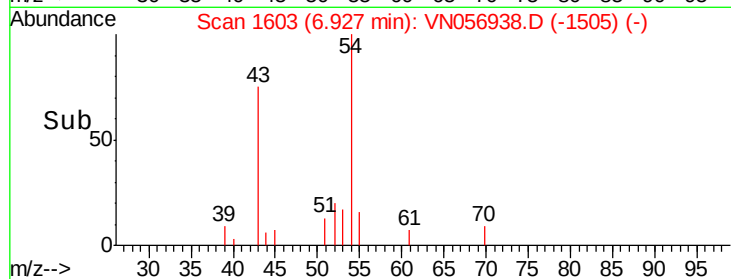
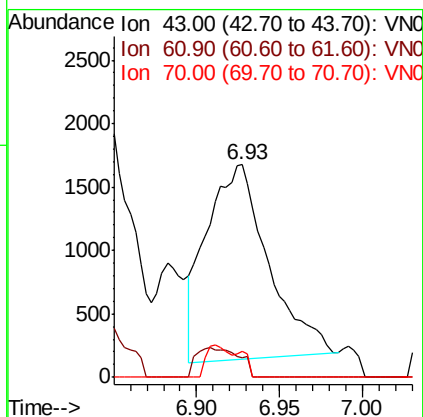
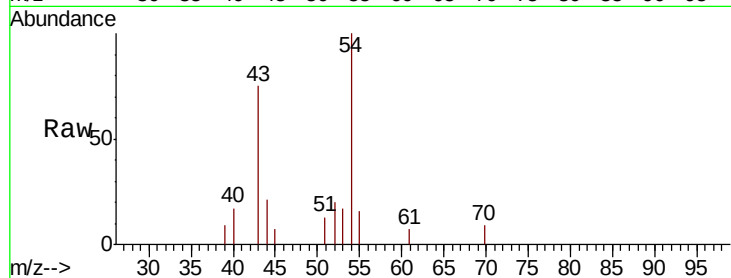




#37
Ethyl Acetate
Concen: 0.740 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.02 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

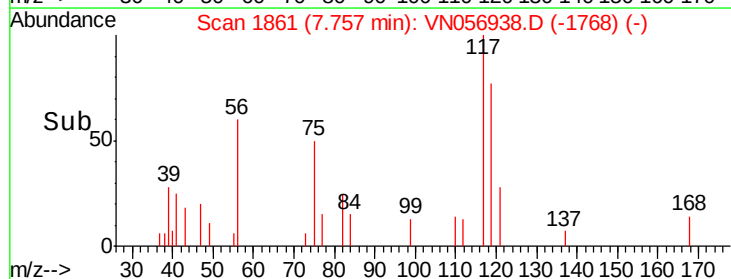
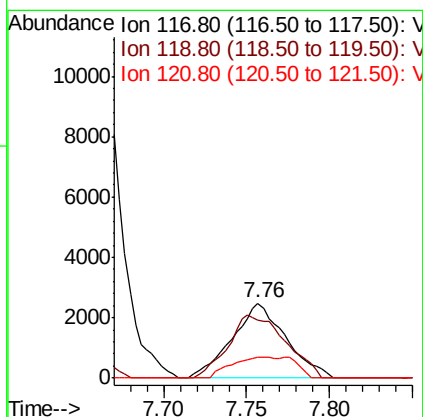
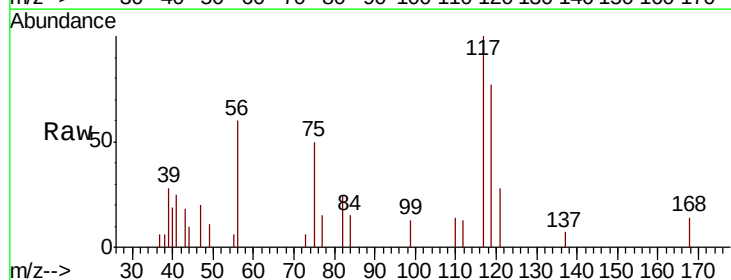
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

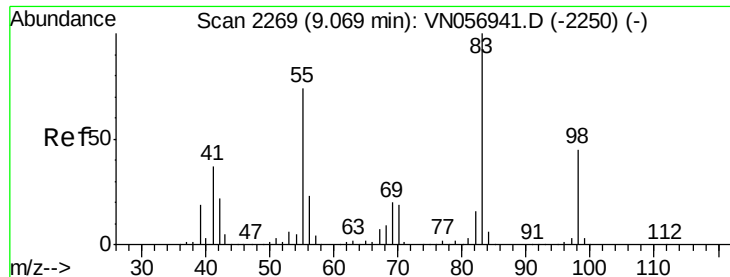
Tot Ion: 43 Resp: 3985
Ion Ratio Lower Upper
43 100
61 10.4 11.8 17.6#
70 6.1 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 0.896 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 117 Resp: 5591
Ion Ratio Lower Upper
117 100
119 76.9 75.3 112.9
121 27.5 24.2 36.4

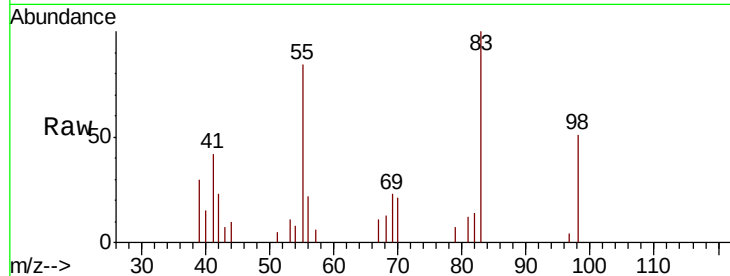




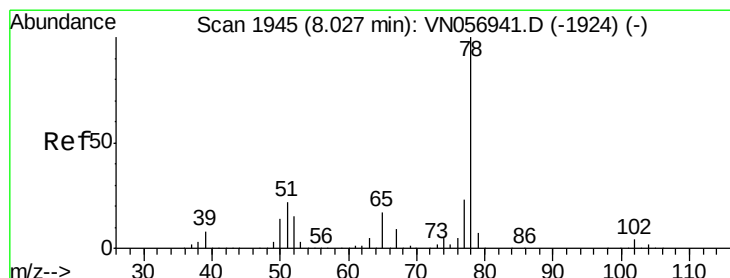
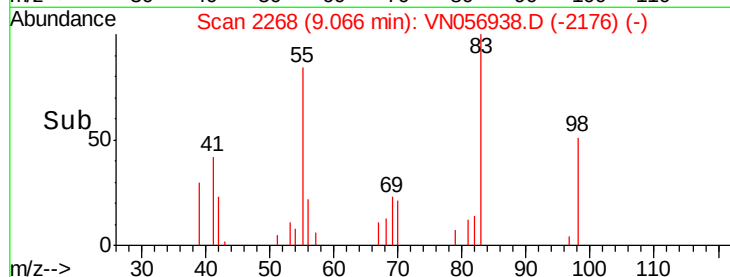
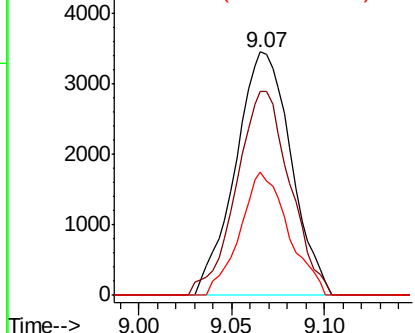
#39
Methylvlcyclohexane
Concen: 0.898 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 7202
Ion Ratio Lower Upper
83 100
55 83.7 59.0 88.6
98 50.6 36.2 54.4

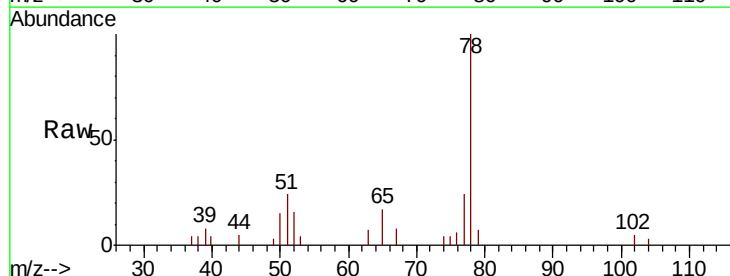


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

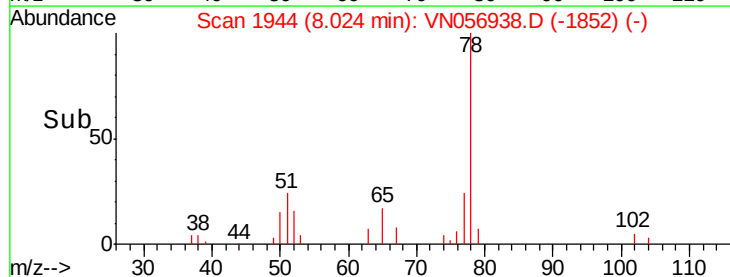
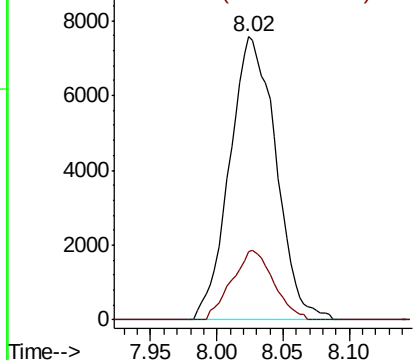


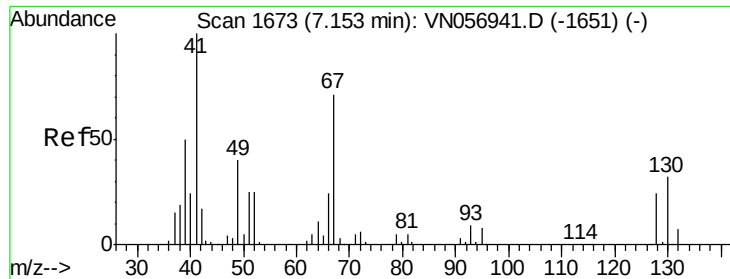
#40
Benzene
Concen: 0.902 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 78 Resp: 18376
Ion Ratio Lower Upper
78 100
77 24.1 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

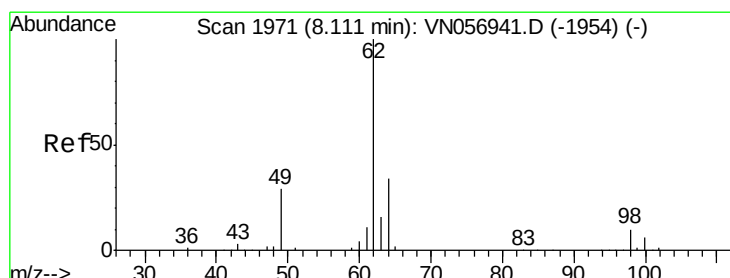
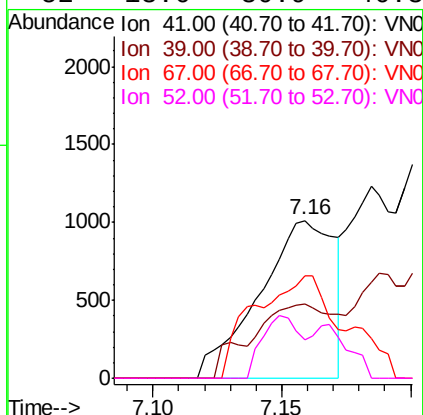
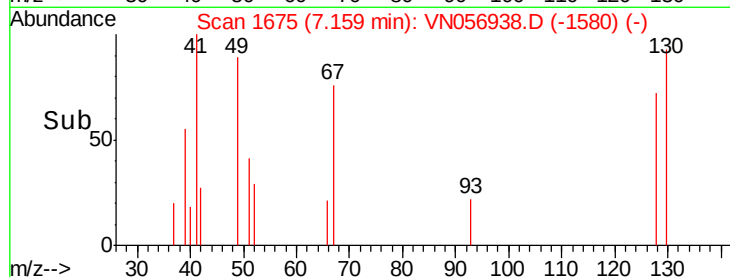
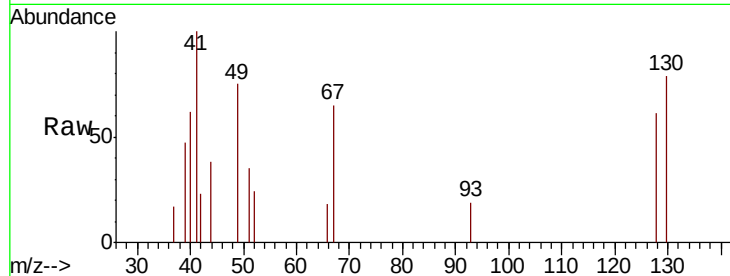




#41
Methacrylonitrile
Concen: 0.859 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

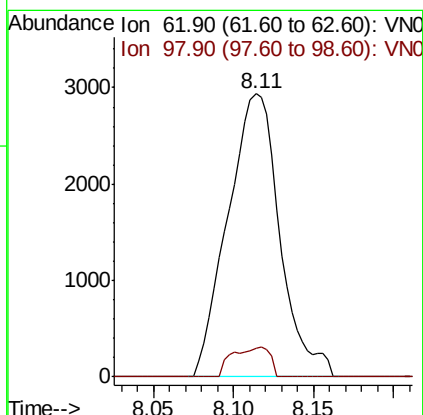
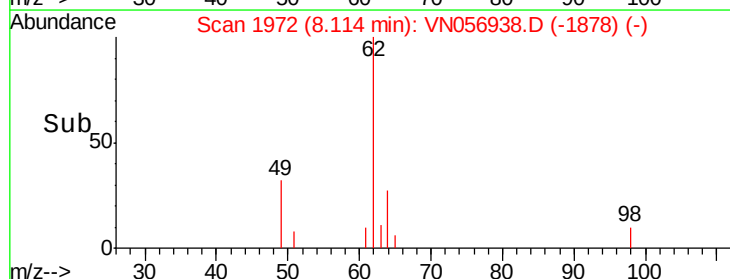
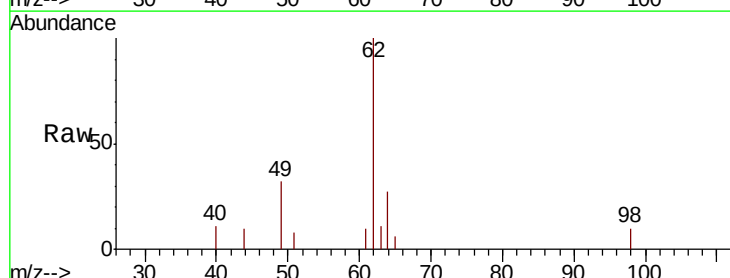
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

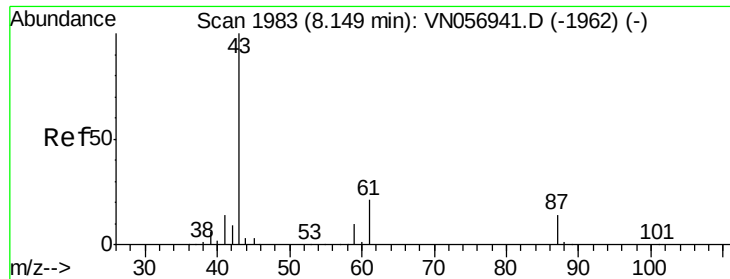
Tot Ion: 41 Resp: 2057
Ion Ratio Lower Upper
41 100
39 50.6 48.9 73.3
67 77.7 83.4 125.0#
52 13.6 30.9 46.3#



#42
1,2-Dichloroethane
Concen: 1.039 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 62 Resp: 6526
Ion Ratio Lower Upper
62 100
98 7.6 0.0 20.6





#43

Isopropyl Acetate

Concen: 0.790 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

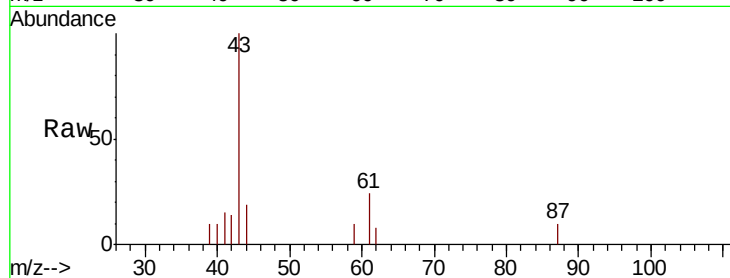
Tot Ion: 43 Resp: 6960

Ion Ratio Lower Upper

43 100

61 22.7 23.0 34.6#

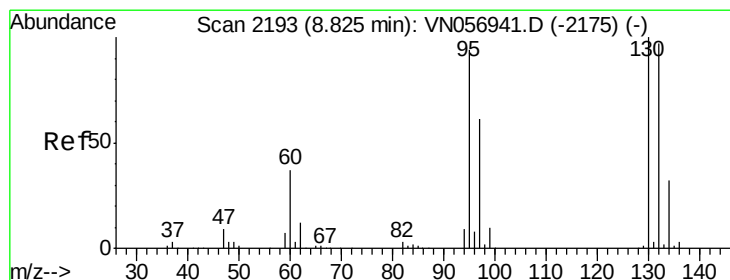
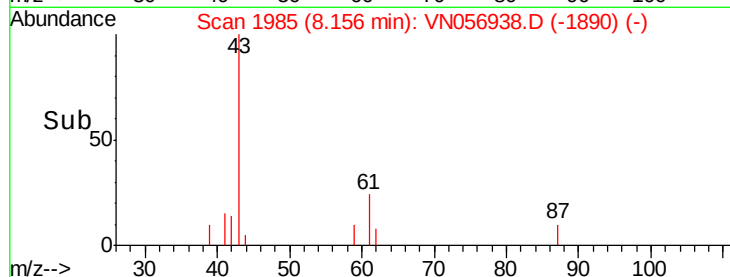
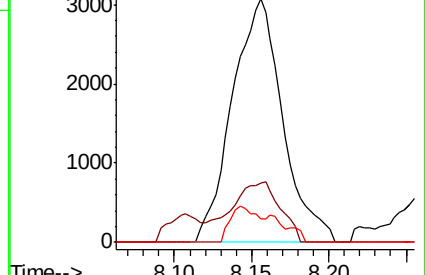
87 8.5 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056938.D (-2100) (-)

Ion 61.00 (60.70 to 61.70): VN056938.D (-2100) (-)

Ion 87.00 (86.70 to 87.70): VN056938.D (-2100) (-)



#44

Trichloroethene

Concen: 0.925 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN056938.D

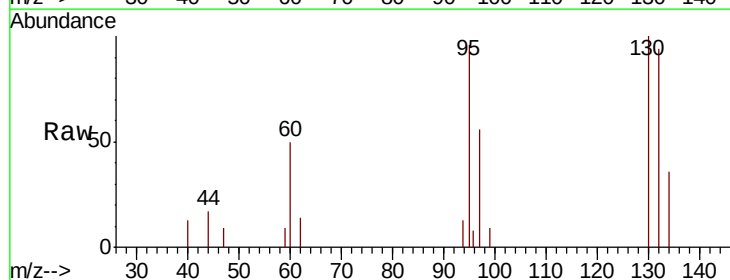
Acq: 26 Jul 2019 8:51

Tgt Ion: 130 Resp: 5120

Ion Ratio Lower Upper

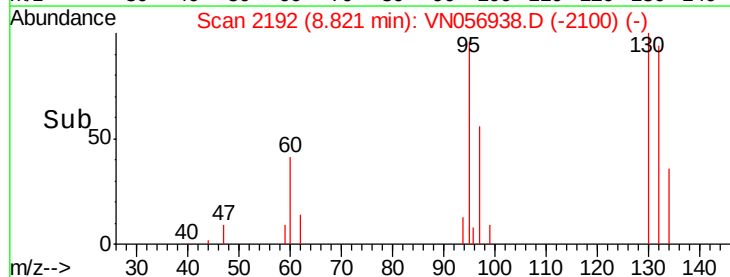
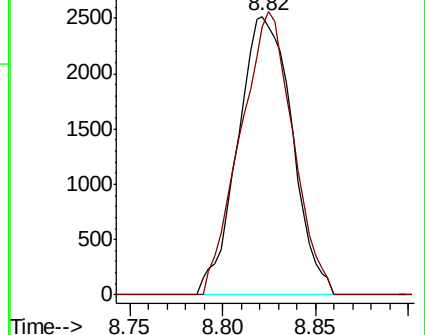
130 100

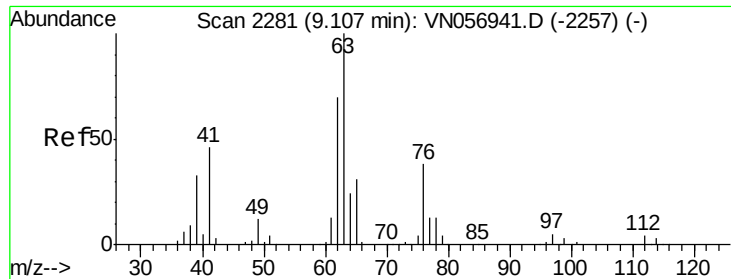
95 96.3 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056938.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN056938.D (-2100) (-)

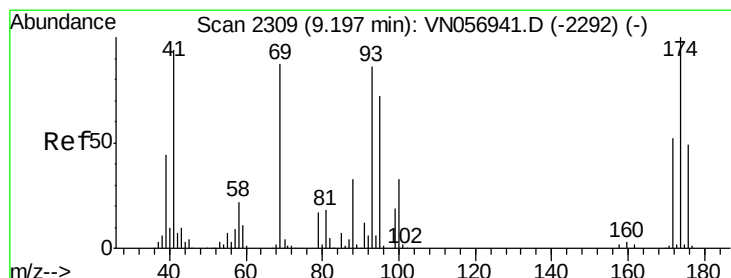
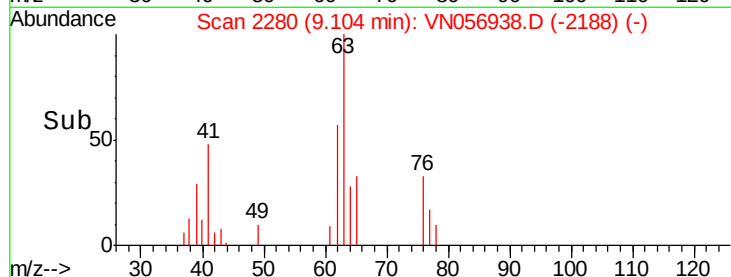
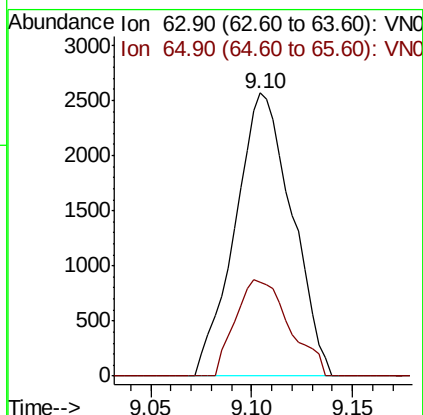
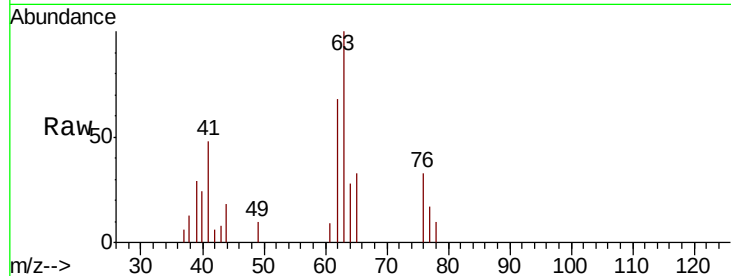




#45
 1,2-Dichloropropane
 Concen: 0.924 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

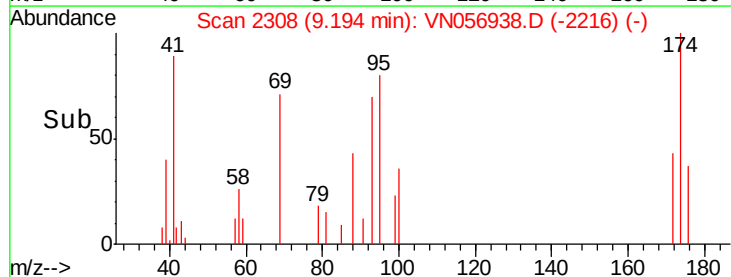
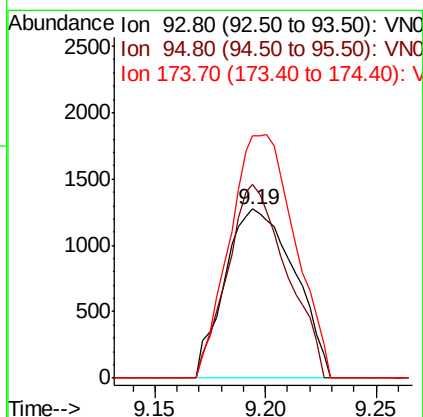
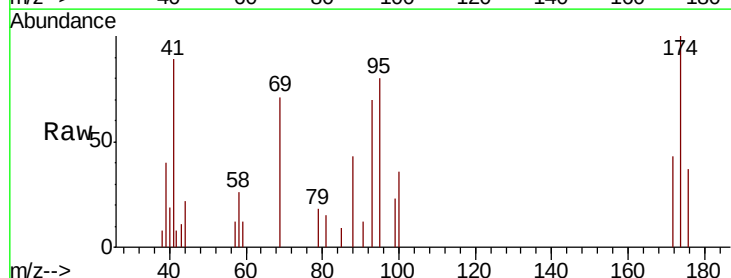
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

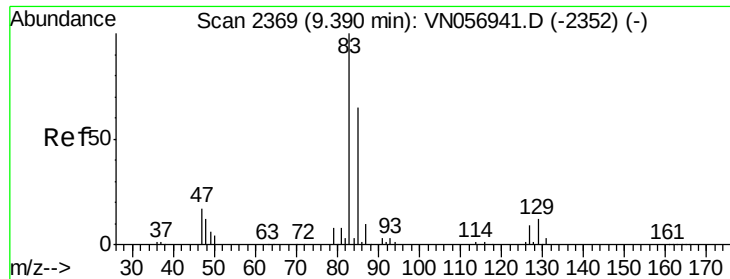
Tot Ion: 63 Resp: 5046
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.8 37.2



#46
 Dibromomethane
 Concen: 0.846 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion: 93 Resp: 2791
 Ion Ratio Lower Upper
 93 100
 95 97.1 67.0 100.6
 174 134.1 92.7 139.1

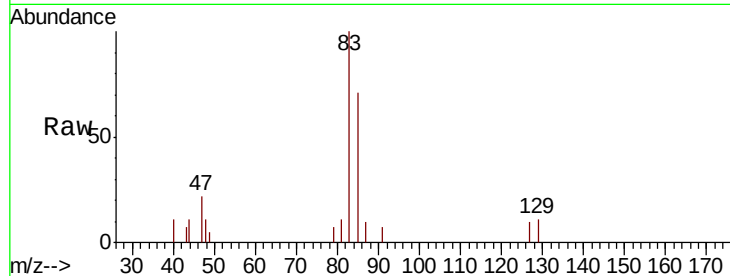




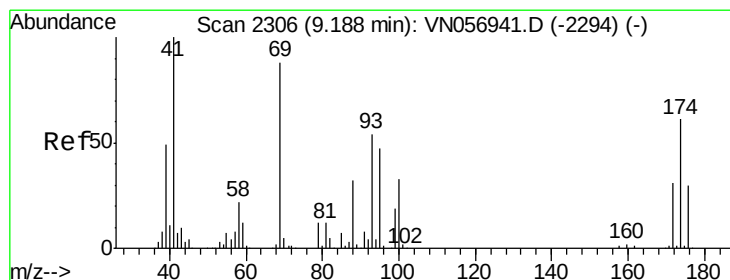
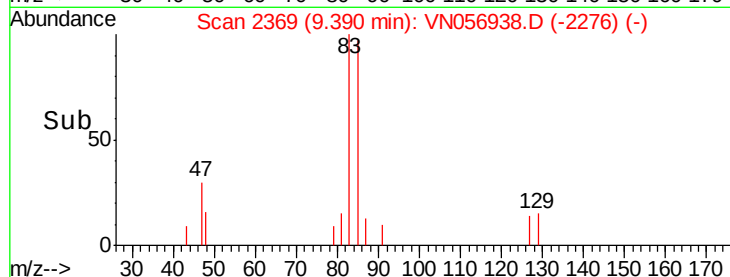
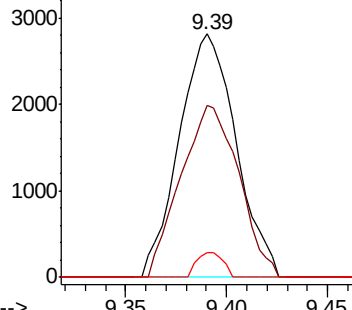
#47
Bromodichloromethane
Concen: 0.861 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 5547
Ion Ratio Lower Upper
83 100
85 70.6 51.6 77.4
127 10.2 7.3 10.9

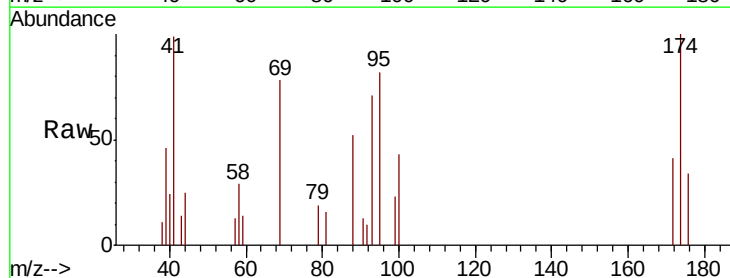


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

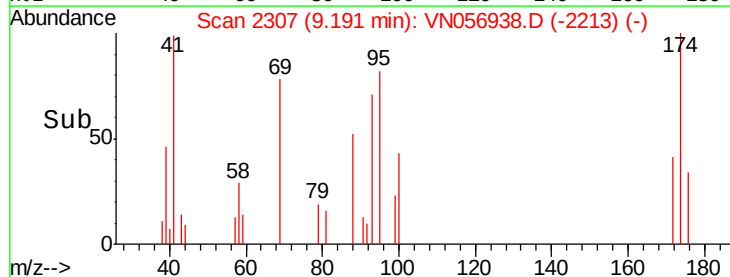
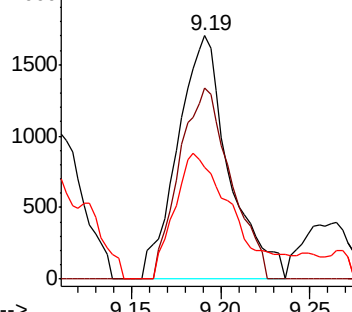


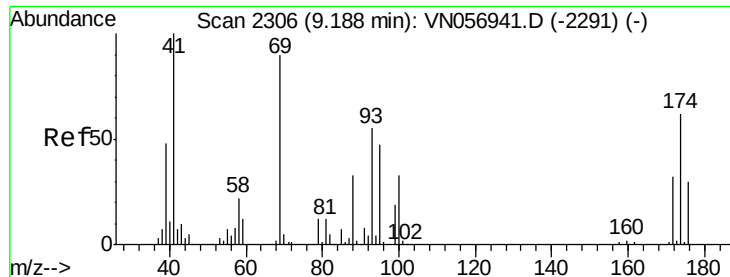
#48
Methyl methacrylate
Concen: 0.810 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 41 Resp: 3405
Ion Ratio Lower Upper
41 100
69 79.2 73.4 110.0
39 59.9 39.9 59.9



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

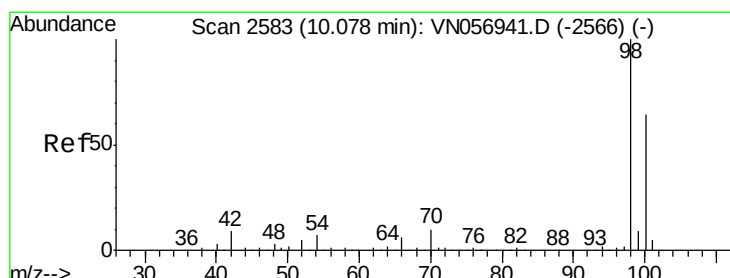
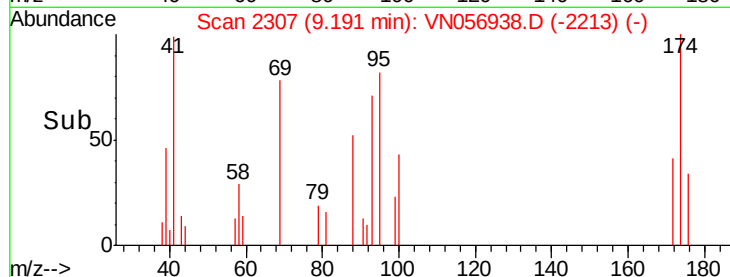
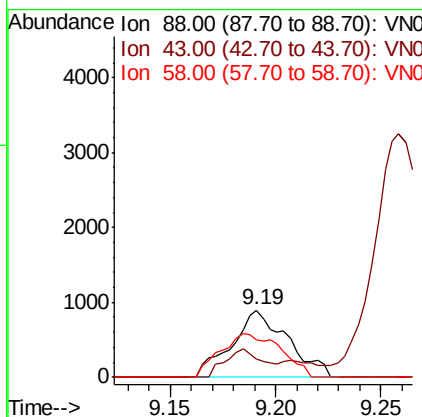
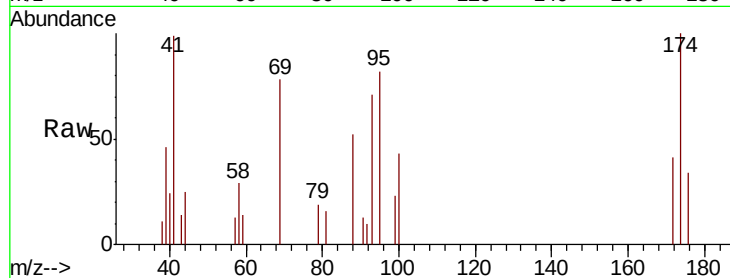




#49
1,4-Dioxane
Concen: 18.904 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

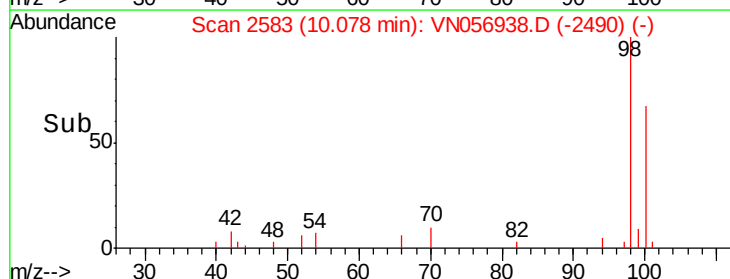
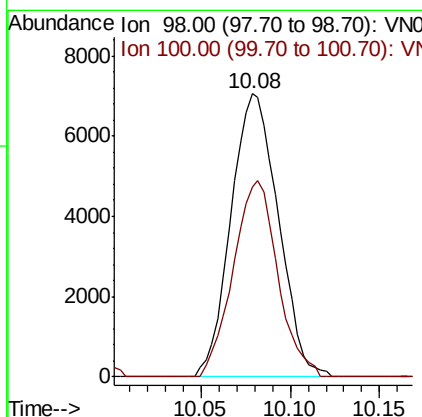
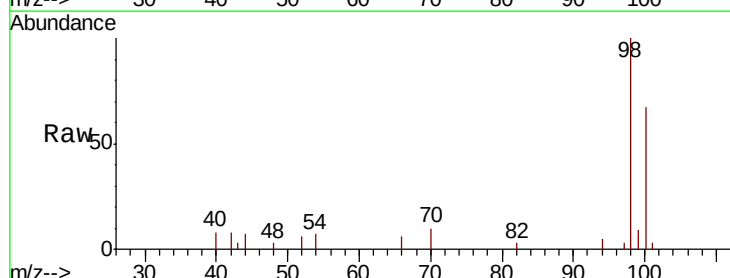
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

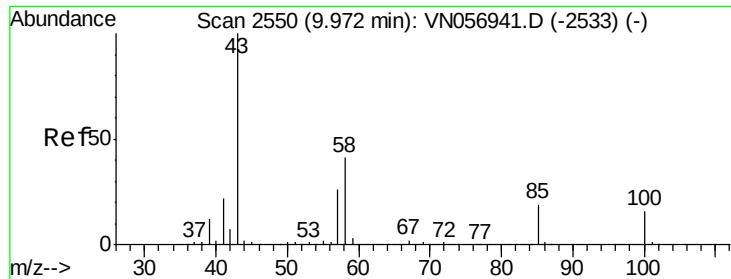
Tot Ion: 88 Resp: 1645
Ion Ratio Lower Upper
88 100
43 28.7 22.2 33.2
58 70.3 54.1 81.1



#50
Toluene-d8
Concen: 0.744 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 98 Resp: 13024
Ion Ratio Lower Upper
98 100
100 65.1 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 3.903 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

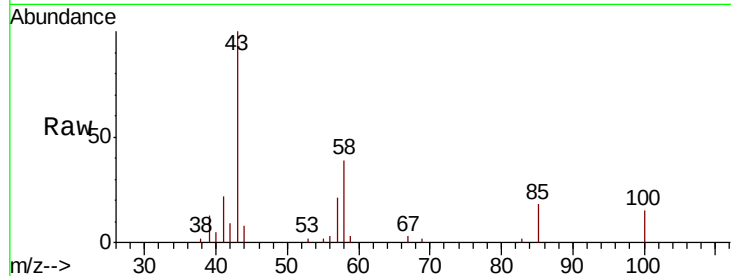
VSTDIC001

Tot Ion: 43 Resp: 20433

Ion Ratio Lower Upper

43 100

58 39.2 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

12000

10000

8000

6000

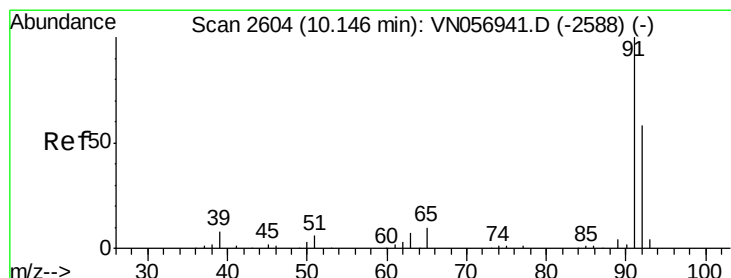
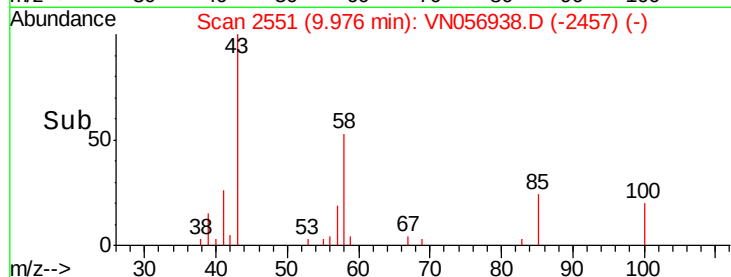
4000

2000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 0.817 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056938.D

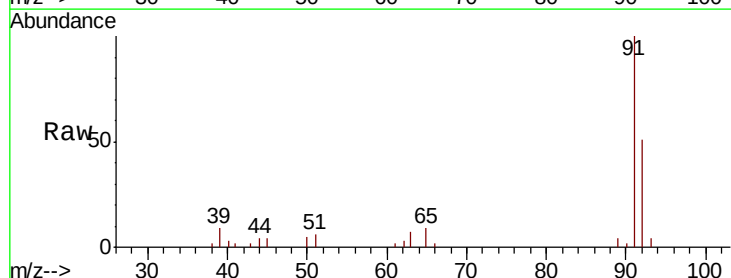
Acq: 26 Jul 2019 8:51

Tgt Ion: 92 Resp: 9958

Ion Ratio Lower Upper

92 100

91 186.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

12000

10000

8000

6000

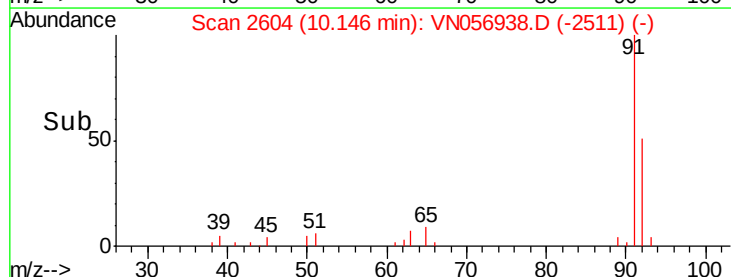
4000

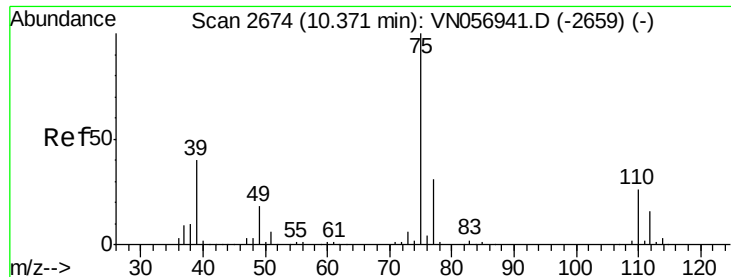
2000

0

10.10 10.15 10.20

Time-->

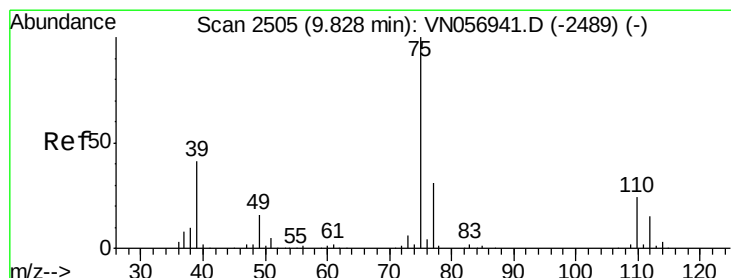
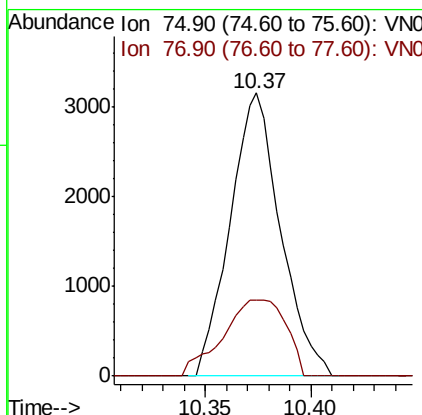
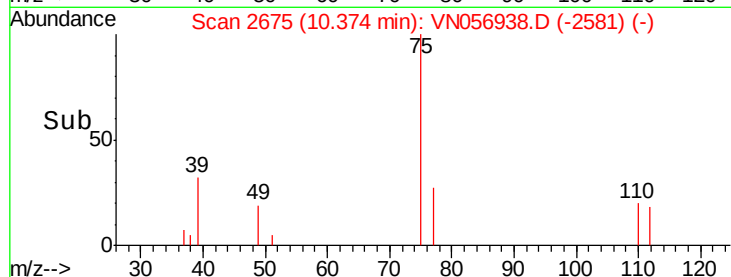
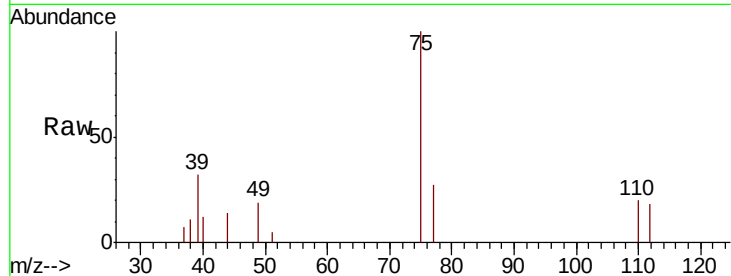




#53
t-1,3-Dichloropropene
Concen: 0.803 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

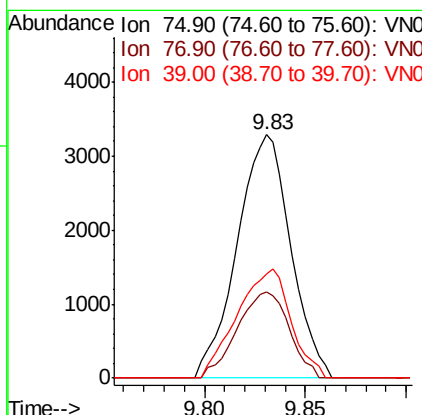
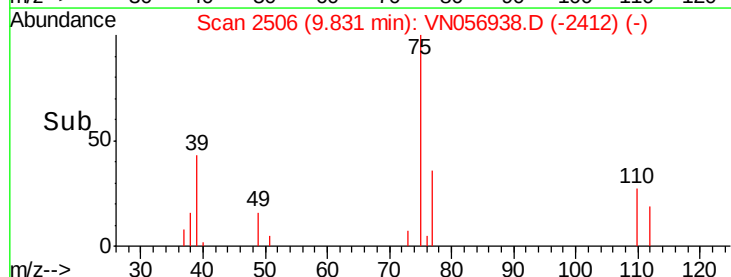
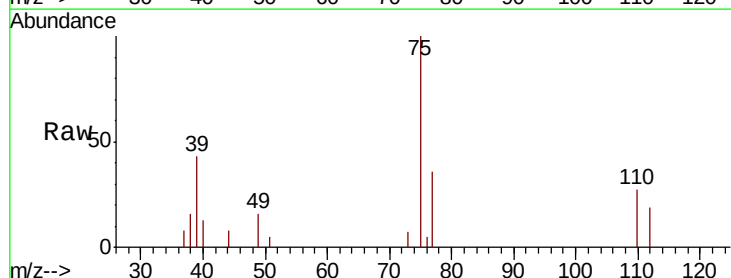
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

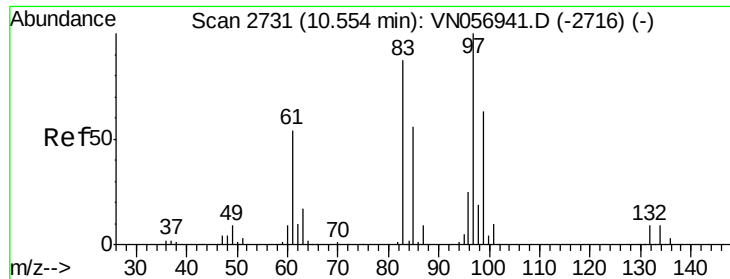
Tot Ion: 75 Resp: 5234
Ion Ratio Lower Upper
75 100
77 27.0 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 75 Resp: 6093
Ion Ratio Lower Upper
75 100
77 35.5 25.0 37.6
39 43.0 32.6 49.0

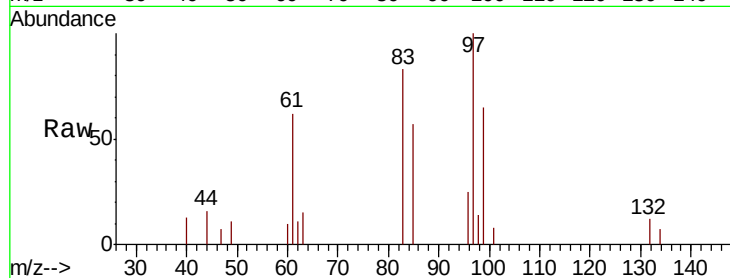




#55
 1,1,2-Trichloroethane
 Concen: 0.913 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	4480
Ion	Ratio	Lower	Upper
97	100		
83	82.6	69.4	104.0
85	56.6	44.7	67.1
99	65.4	50.1	75.1



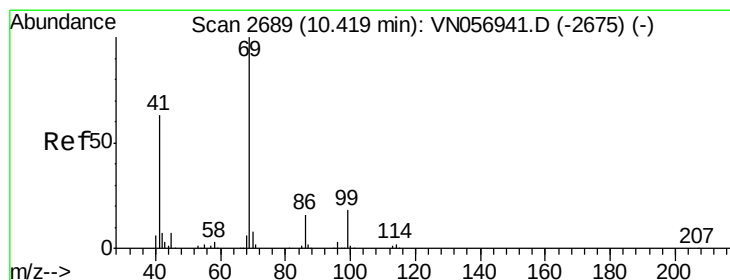
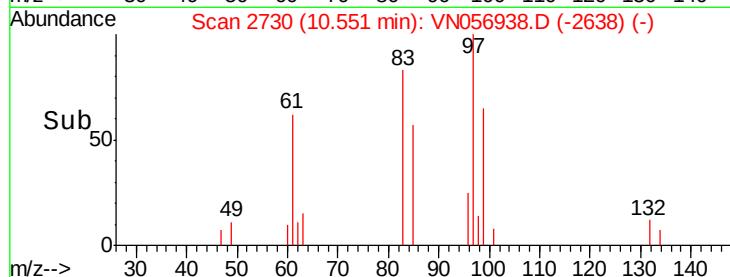
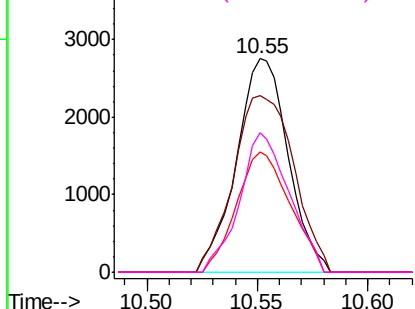
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

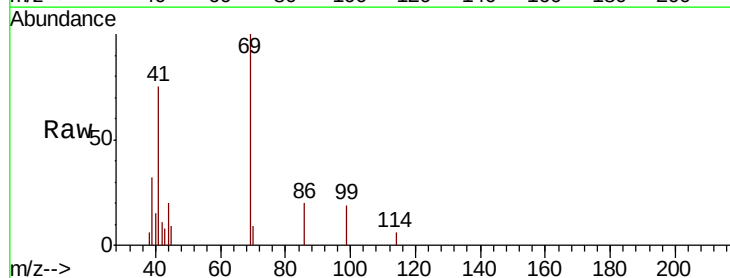
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 0.678 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion:	69	Resp:	4486
Ion	Ratio	Lower	Upper
69	100		
41	69.8	49.2	73.8
39	37.0	23.1	34.7#

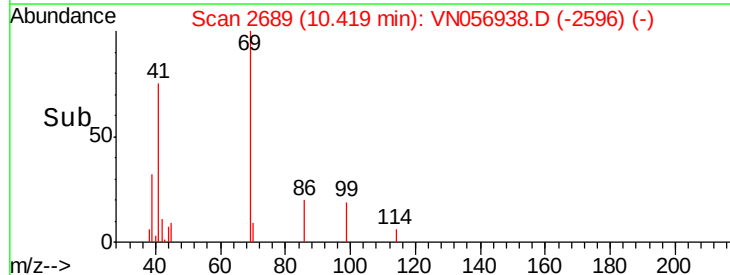
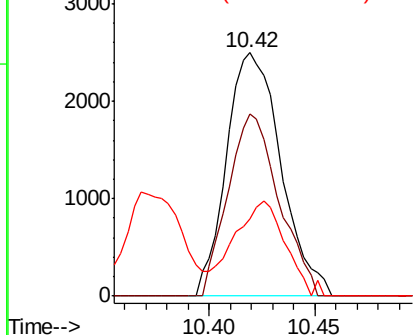


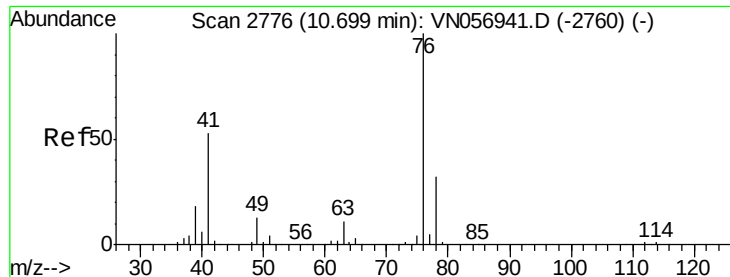
Abundance

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

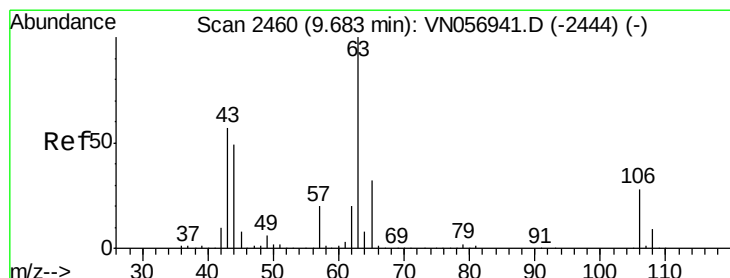
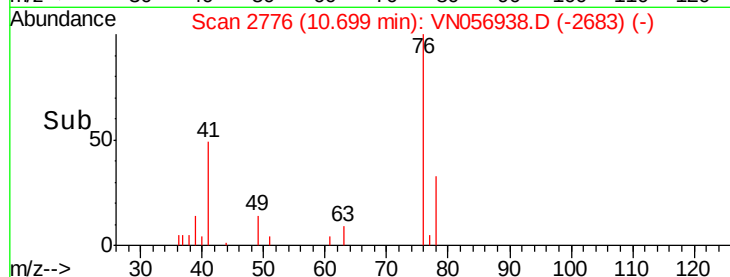
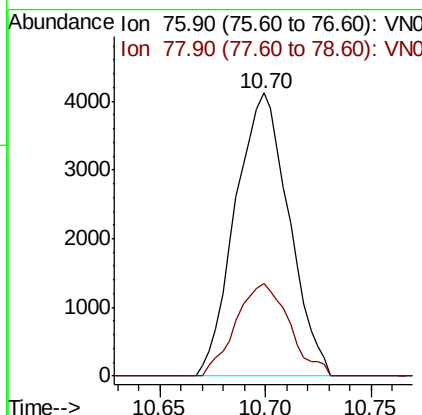
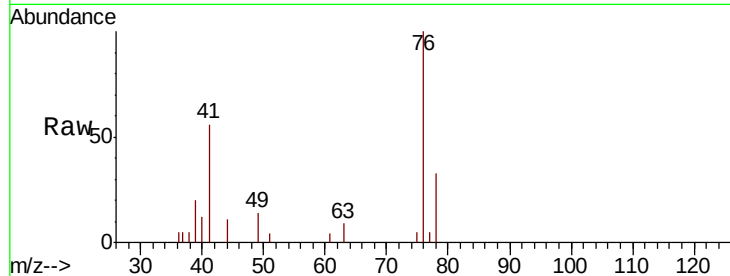




#57
 1,3-Dichloropropane
 Concen: 0.908 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

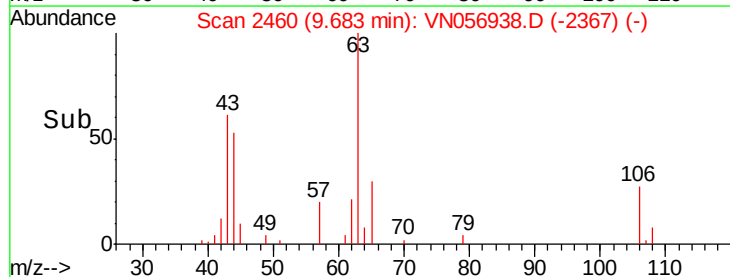
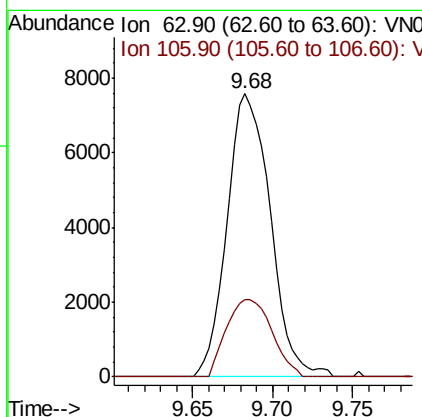
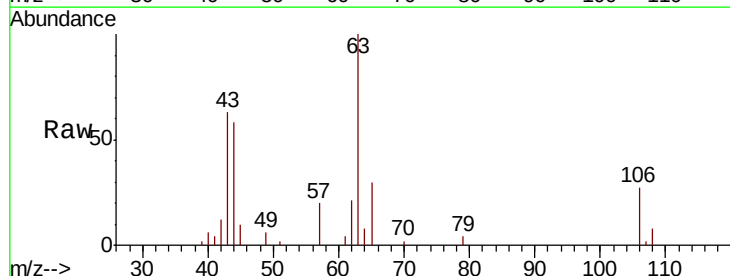
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

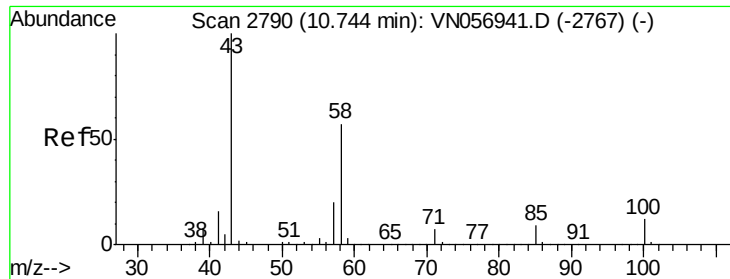
Tot Ion: 76 Resp: 7274
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 5.333 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion: 63 Resp: 14016
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.0 33.0

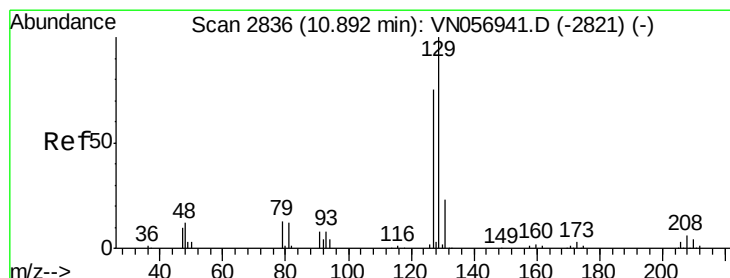
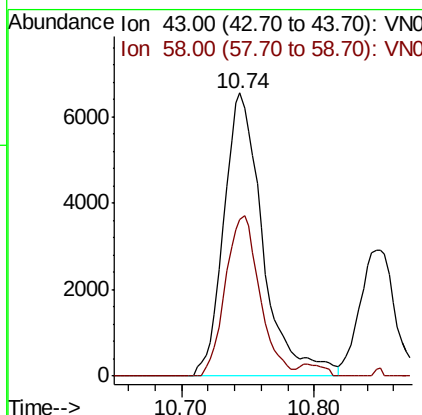
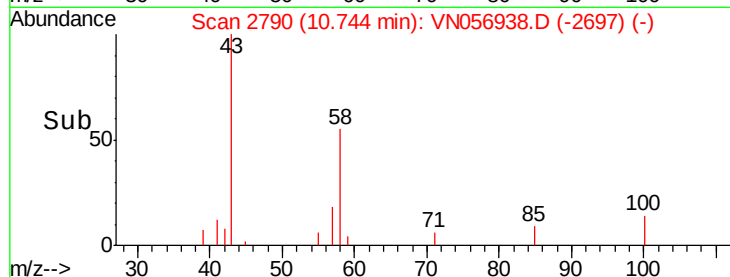
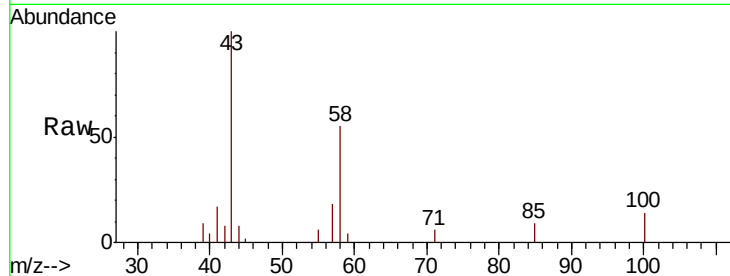




#59
2-Hexanone
Concen: 3.716 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

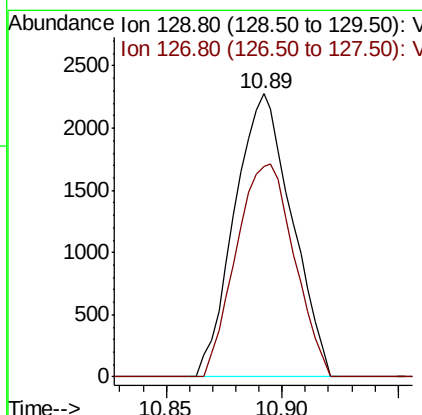
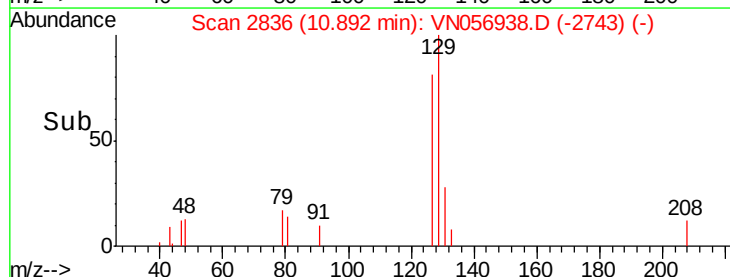
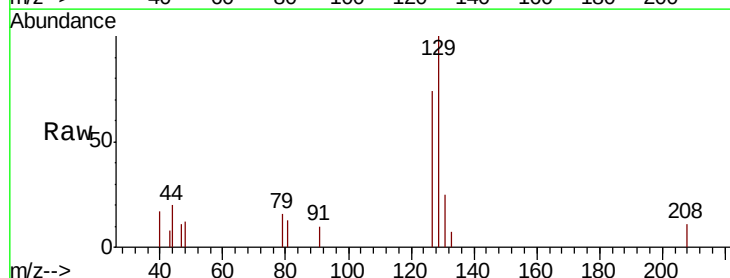
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

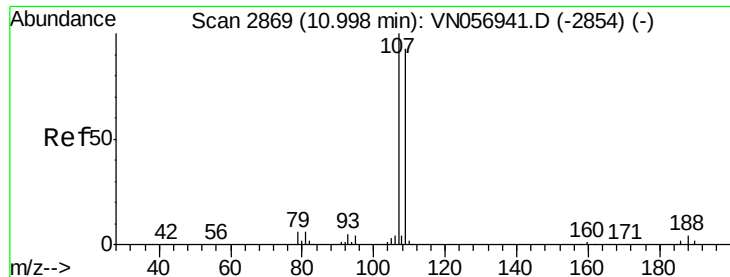
Tot Ion: 43.00 Resp: 13367
Ion Ratio Lower Upper
43 100
58 50.1 28.5 85.5



#60
Dibromochloromethane
Concen: 0.780 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 129 Resp: 3906
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9

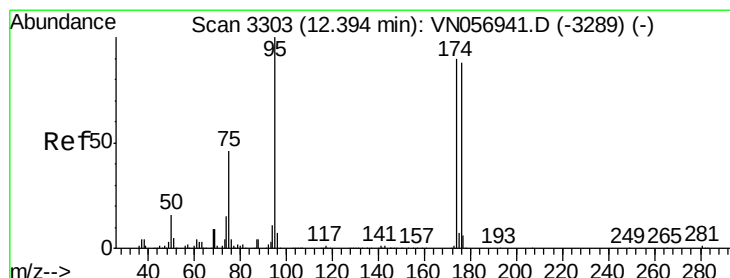
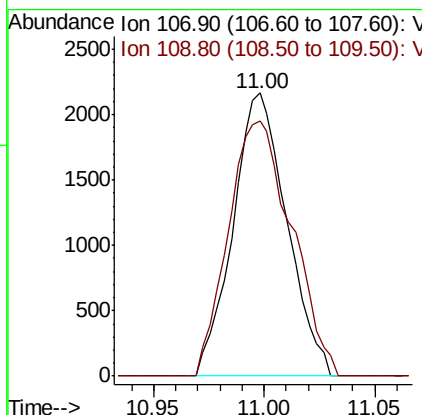
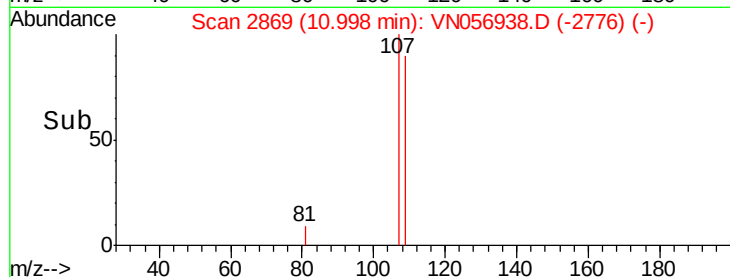
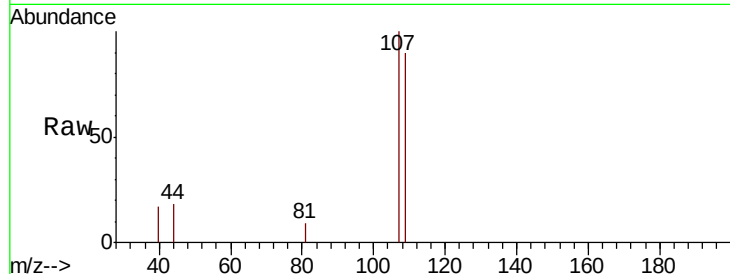




#61
 1,2-Dibromoethane
 Concen: 0.754 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

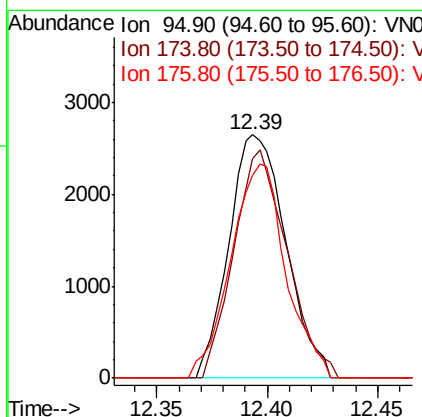
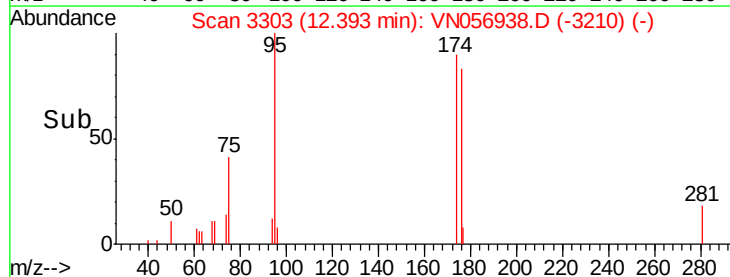
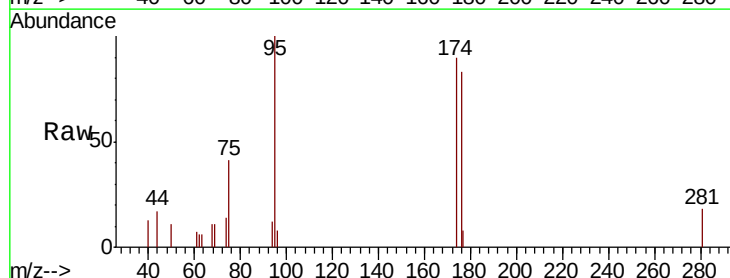
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

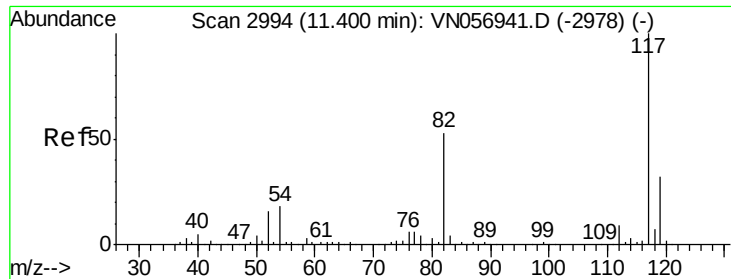
Tot Ion: 107 Resp: 3660
 Ion Ratio Lower Upper
 107 100
 109 106.1 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 0.830 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion: 95 Resp: 4739
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 182.2
 176 85.3 0.0 179.4

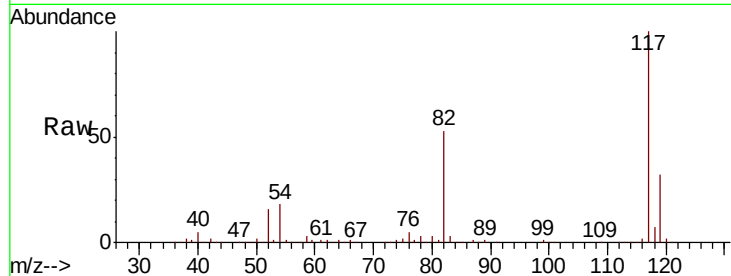




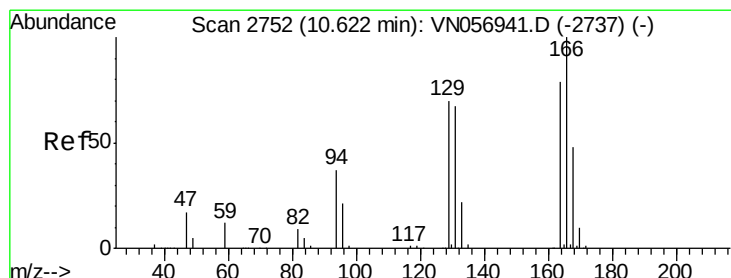
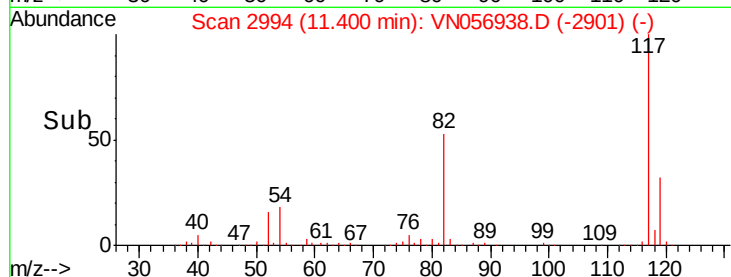
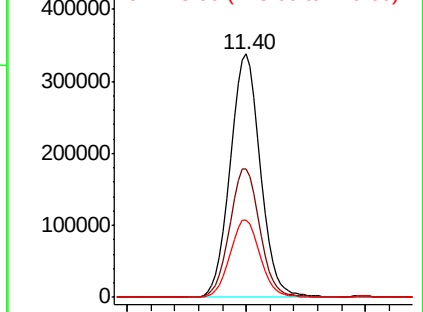
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 593377
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 31.9 25.8 38.6

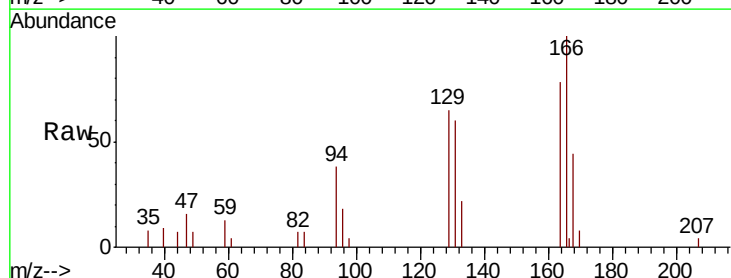


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

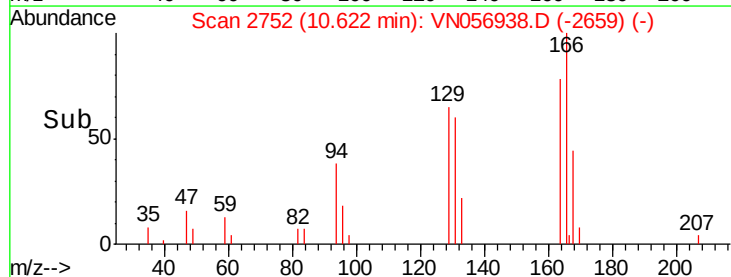
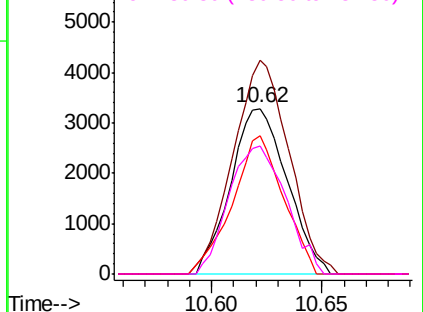


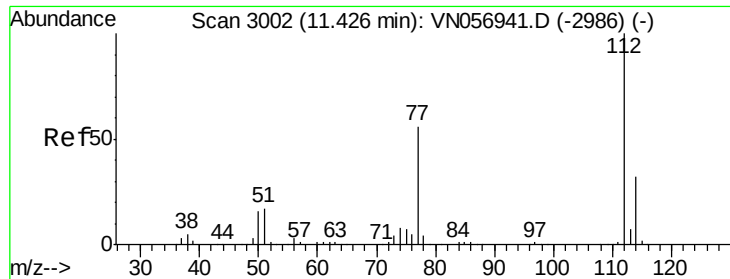
#64
Tetrachloroethene
Concen: 1.097 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion:164 Resp: 5813
Ion Ratio Lower Upper
164 100
166 129.0 101.1 151.7
129 83.5 70.9 106.3
131 77.0 67.7 101.5



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

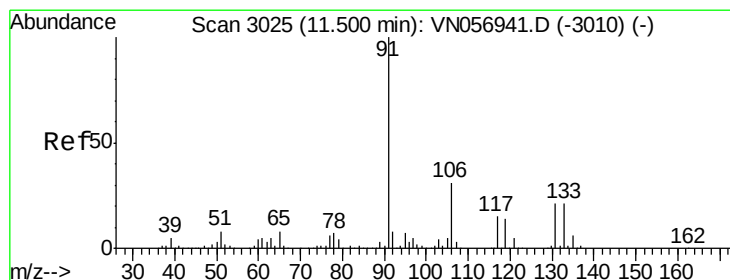
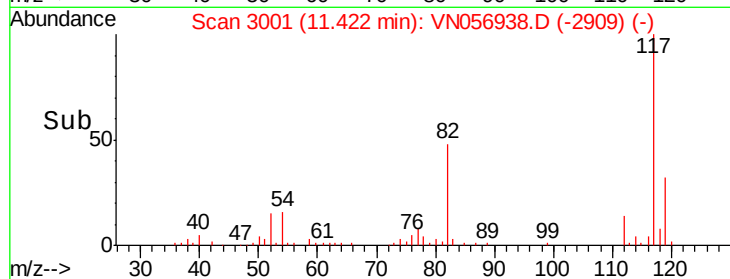
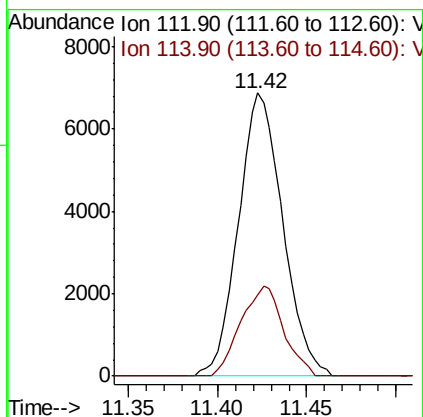
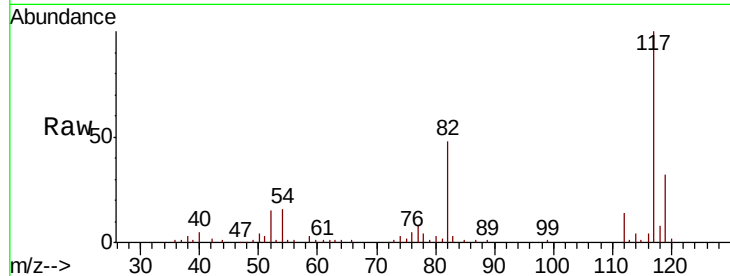




#65
Chlorobenzene
Concen: 0.975 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

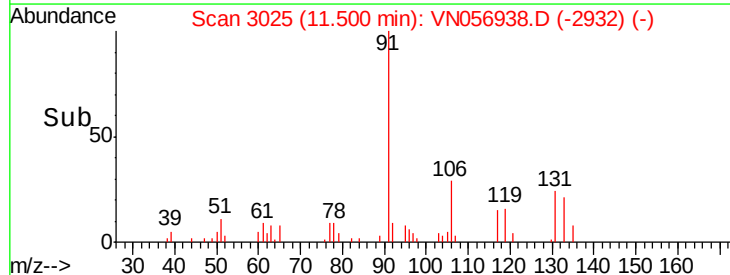
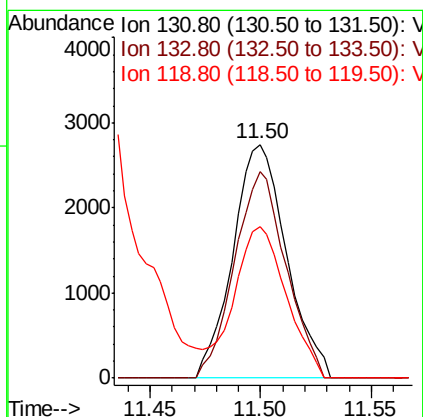
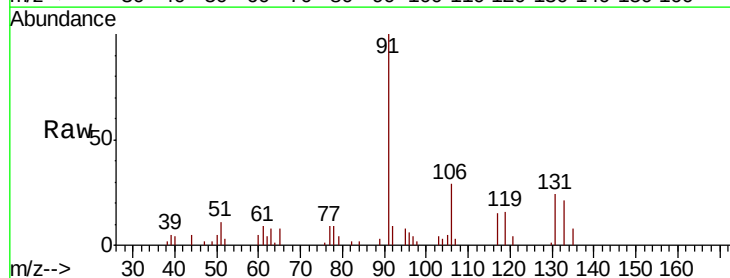
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

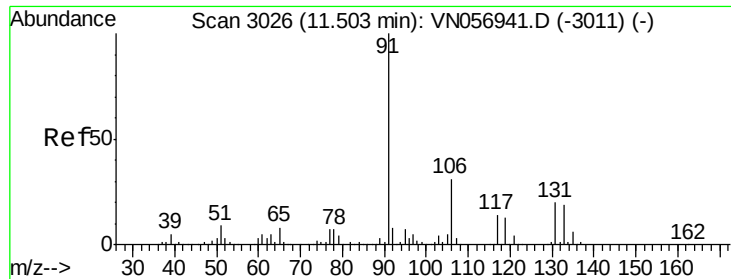
Tot Ion:112 Resp: 11930
Ion Ratio Lower Upper
112 100
114 28.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 1.014 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion:131 Resp: 4634
Ion Ratio Lower Upper
131 100
133 84.7 48.0 144.0
119 0.0 33.2 99.6#

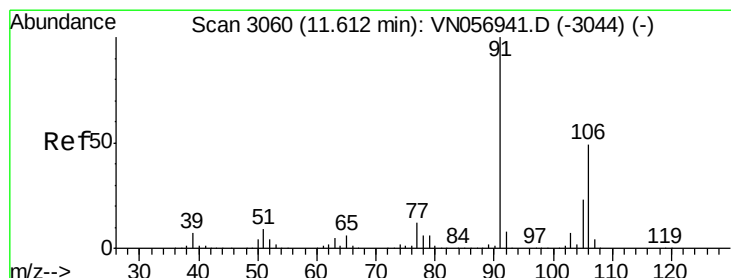
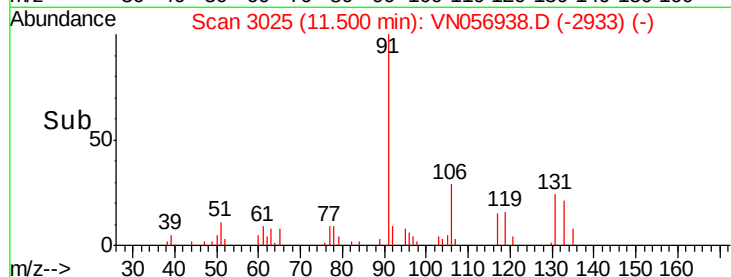
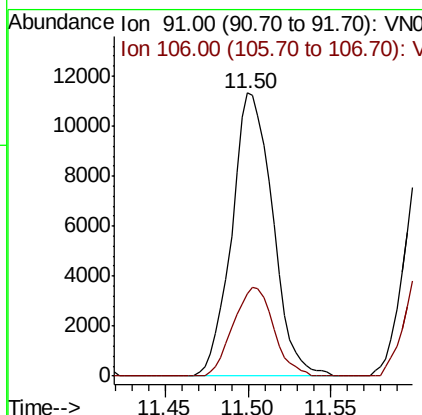
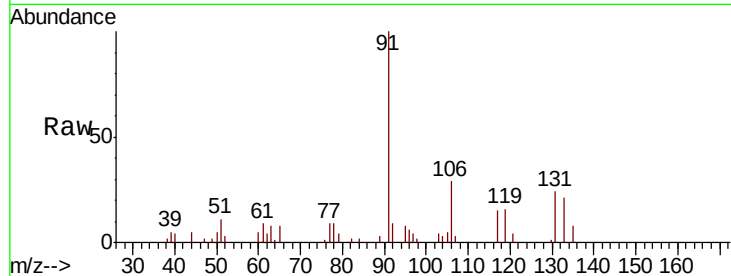




#67
Ethyl Benzene
Concen: 0.923 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

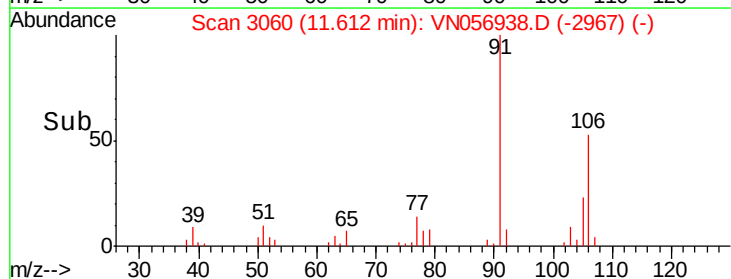
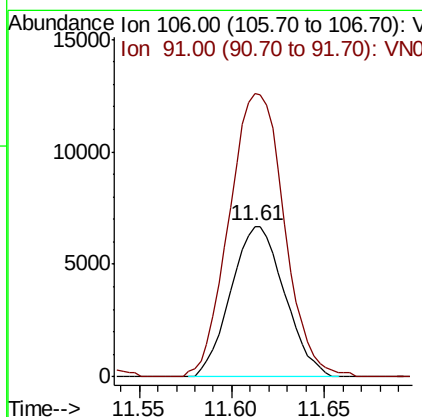
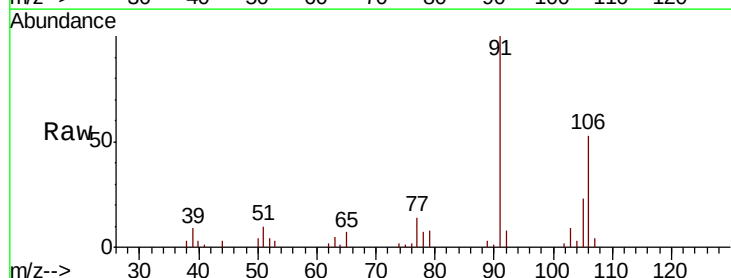
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

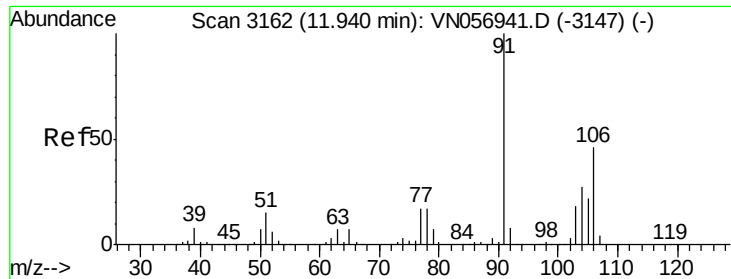
Tot Ion: 91 Resp: 19457
Ion Ratio Lower Upper
91 100
106 29.2 25.1 37.7



#68
m/p-Xylenes
Concen: 1.714 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 106 Resp: 13452
Ion Ratio Lower Upper
106 100
91 193.5 160.0 240.0

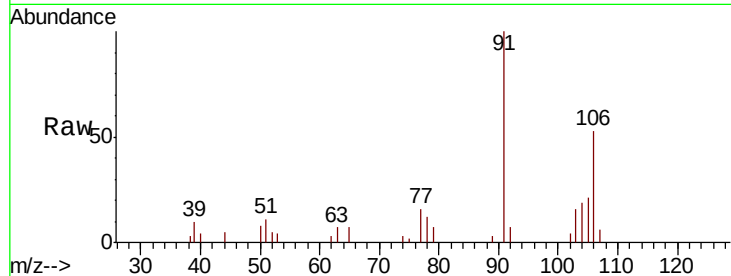




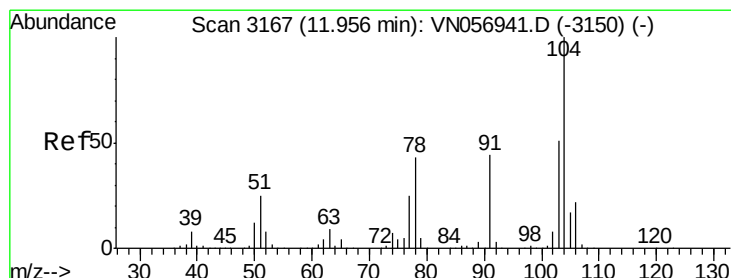
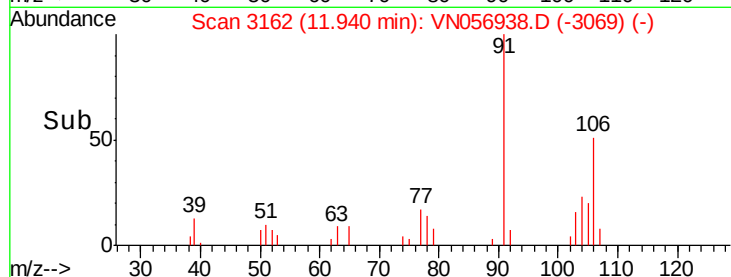
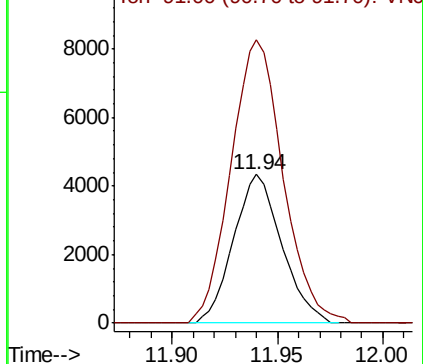
#69
o-Xylene
Concen: 0.899 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 6906
Ion Ratio Lower Upper
106 100
91 205.5 106.2 318.6

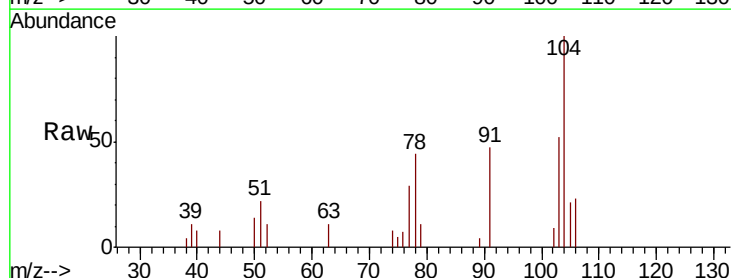


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

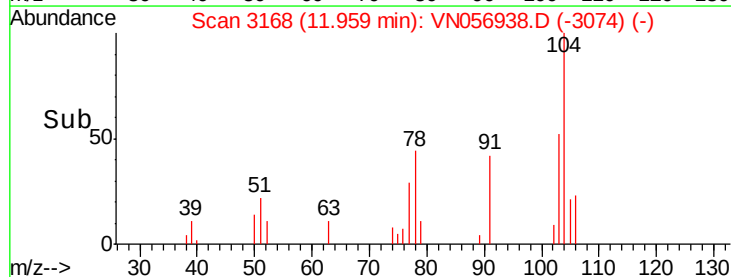
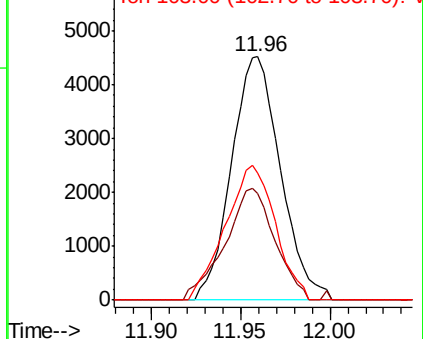


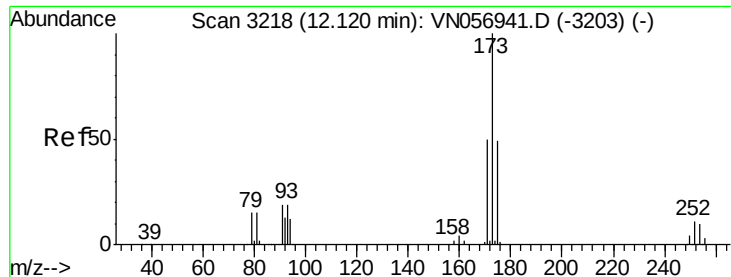
#70
Styrene
Concen: 0.710 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion:104 Resp: 8637
Ion Ratio Lower Upper
104 100
78 46.6 38.1 57.1
103 56.3 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.823 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

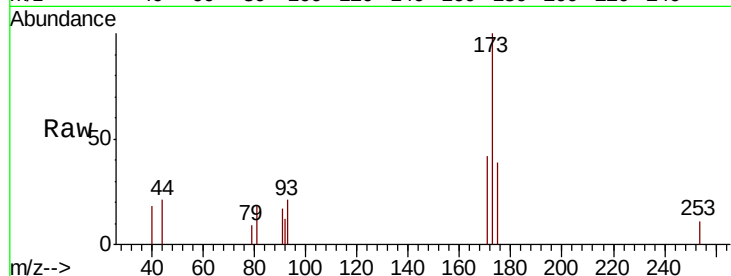
Tot Ion:173 Resp: 2640

Ion Ratio Lower Upper

173 100

175 41.9 24.1 72.4

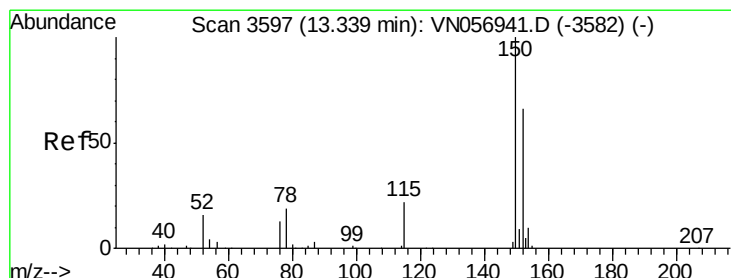
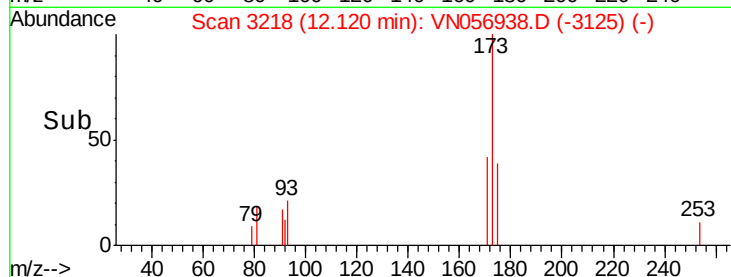
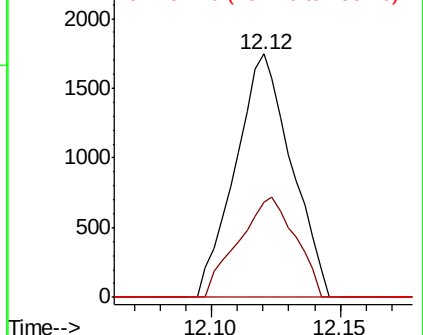
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

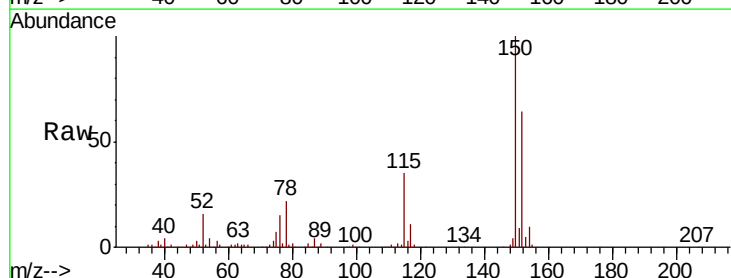
Tgt Ion:152 Resp: 159876

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

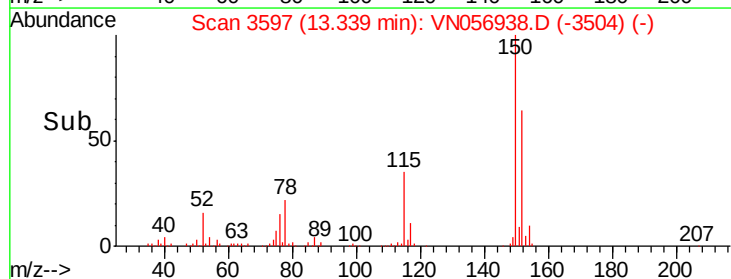
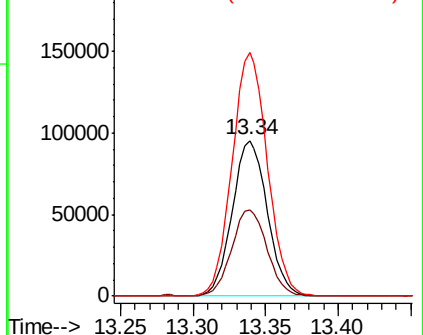
150 157.7 0.0 349.4

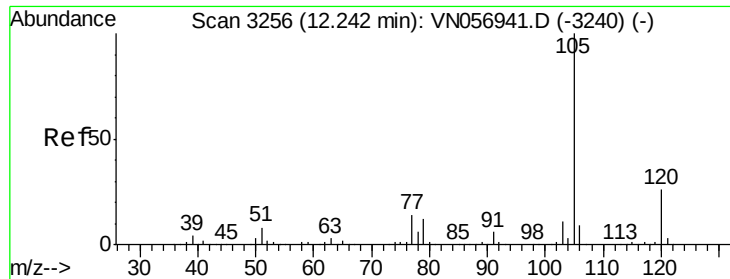


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.127 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

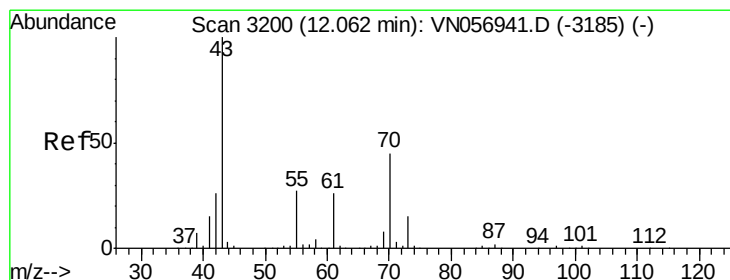
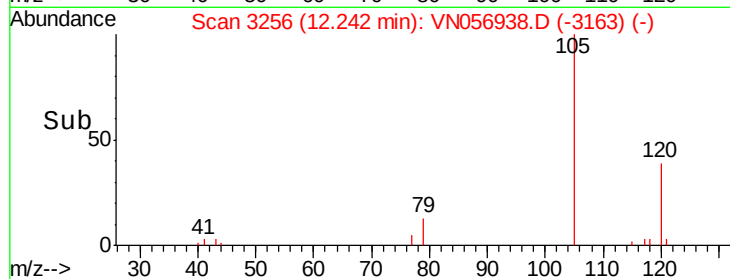
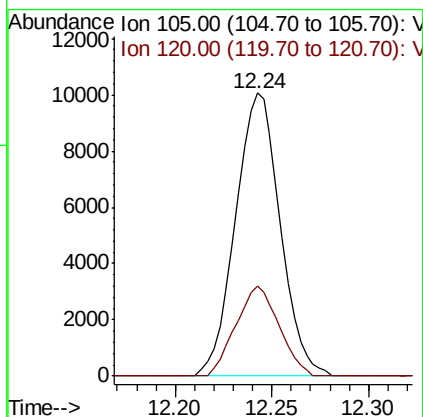
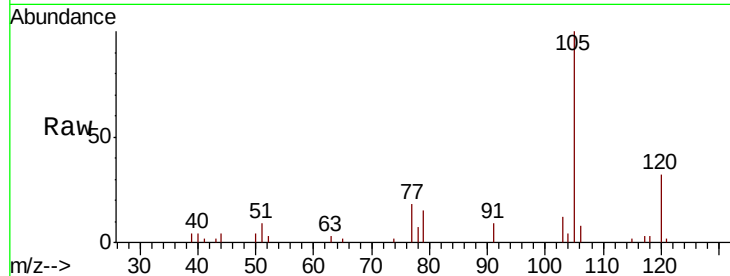
VSTDIC001

Tot Ion:105 Resp: 16155

Ion Ratio Lower Upper

105 100

120 30.7 13.5 40.5



#74

N-ethyl acetate

Concen: 1.000 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Tgt Ion: 43 Resp: 4233

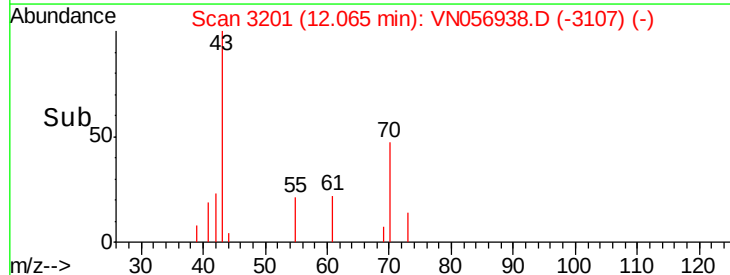
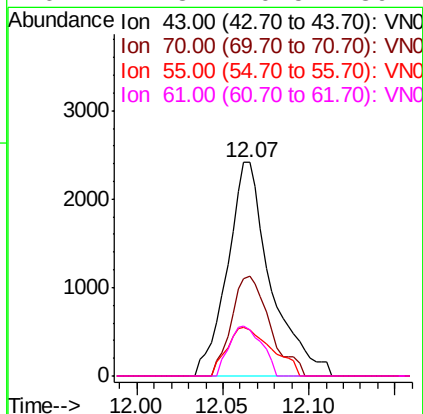
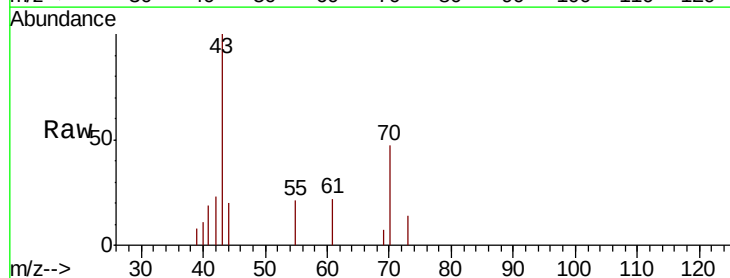
Ion Ratio Lower Upper

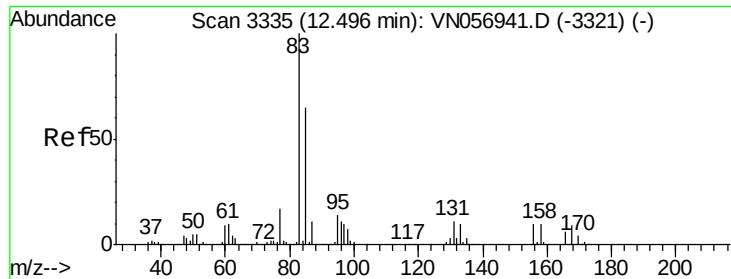
43 100

70 41.7 36.5 54.7

55 23.7 21.4 32.0

61 17.8 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.276 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

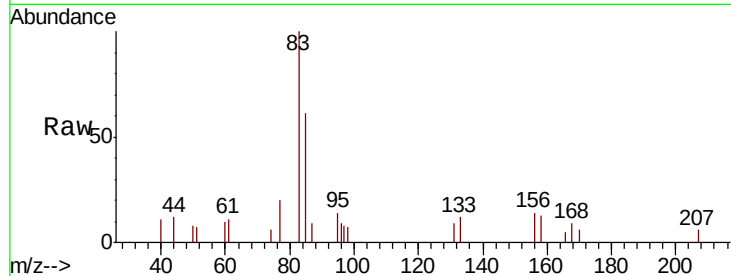
Tot Ion: 83 Resp: 5330

Ion Ratio Lower Upper

83 100

131 6.8 5.3 16.1

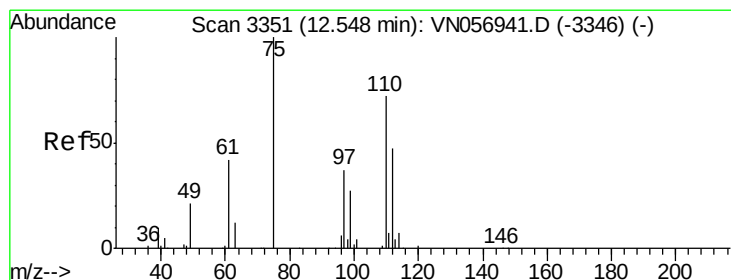
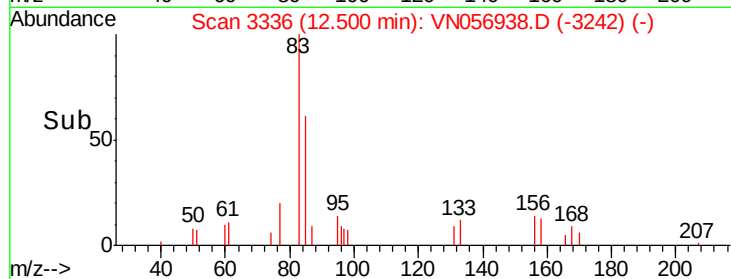
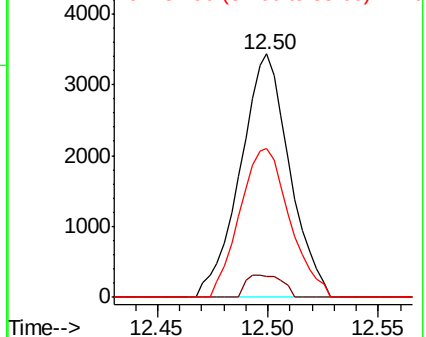
85 61.9 32.5 97.4



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: 1.683 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN056938.D

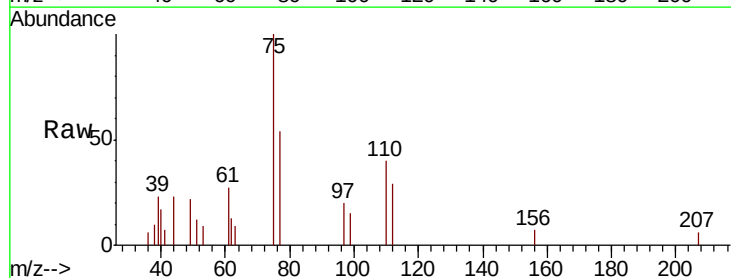
Acq: 26 Jul 2019 8:51

Tgt Ion: 75 Resp: 5267

Ion Ratio Lower Upper

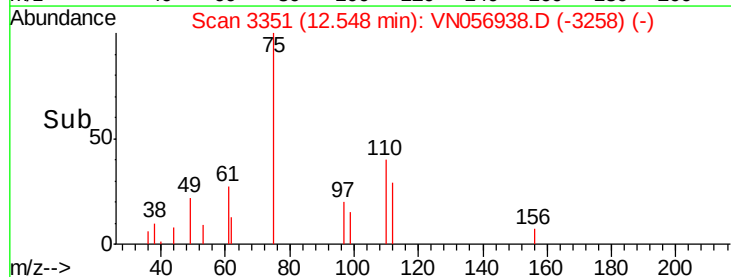
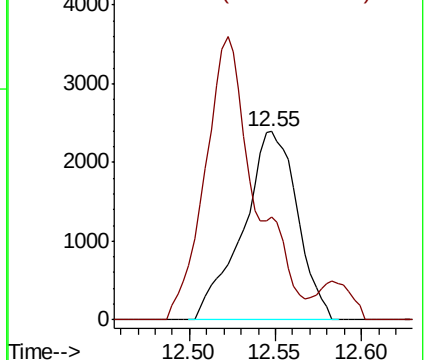
75 100

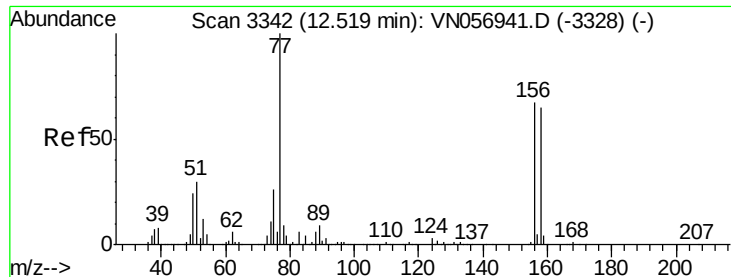
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.171 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.01 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

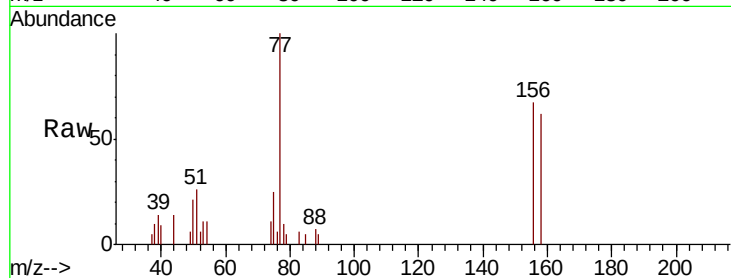
Tot Ion:156 Resp: 4296

Ion Ratio Lower Upper

156 100

77 171.2 89.5 268.5

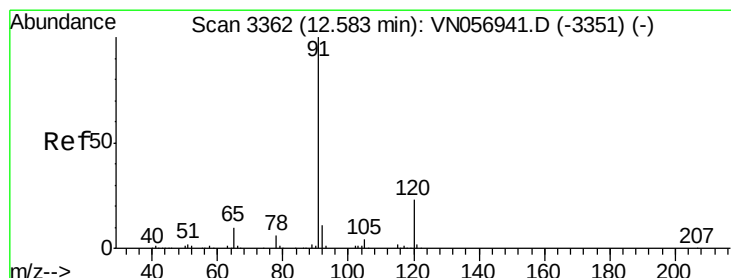
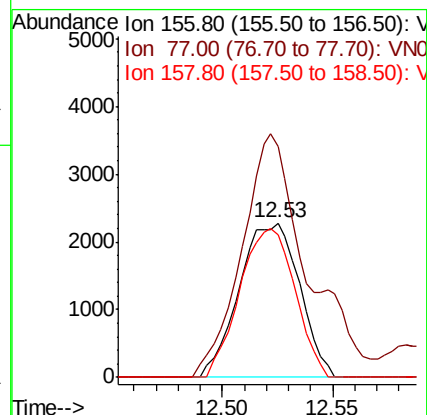
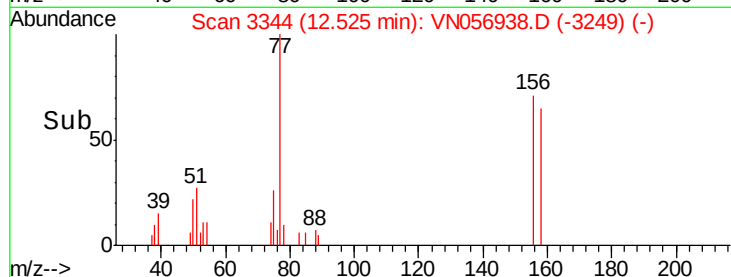
158 88.4 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.072 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN056938.D

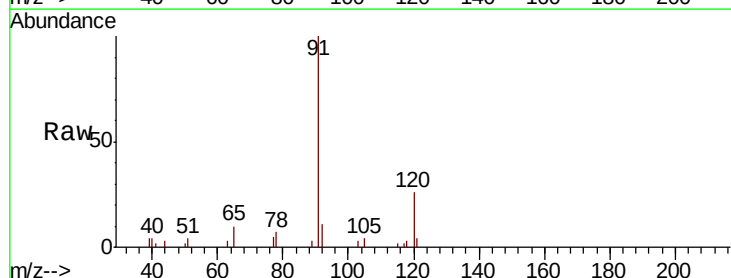
Acq: 26 Jul 2019 8:51

Tgt Ion: 91 Resp: 16228

Ion Ratio Lower Upper

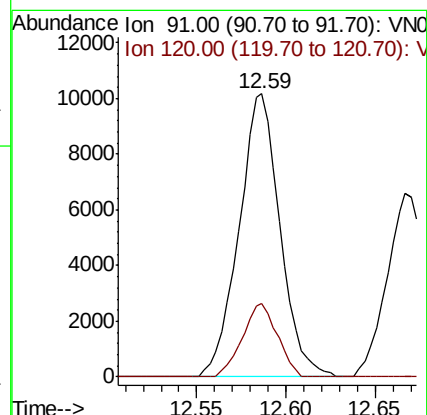
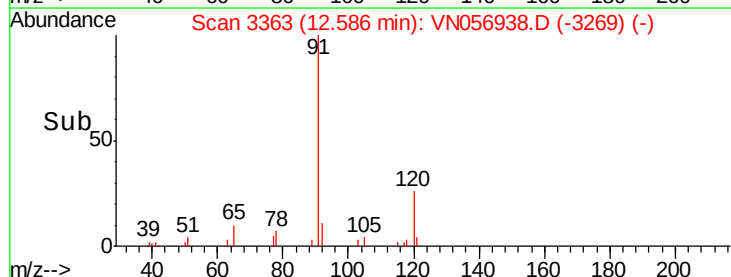
91 100

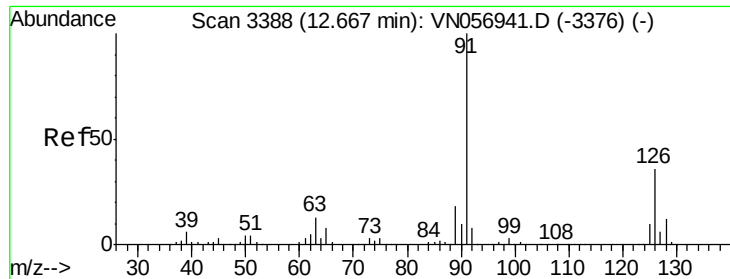
120 22.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.138 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

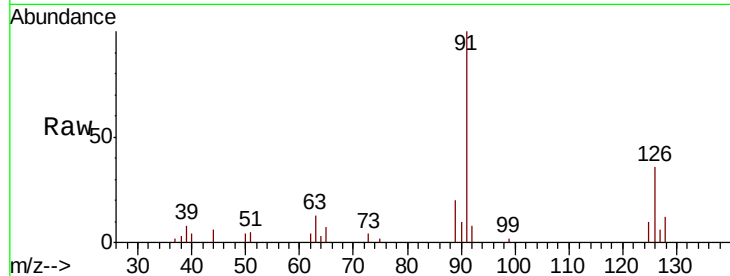
VSTDIC001

Tot Ion: 91 Resp: 10726

Ion Ratio Lower Upper

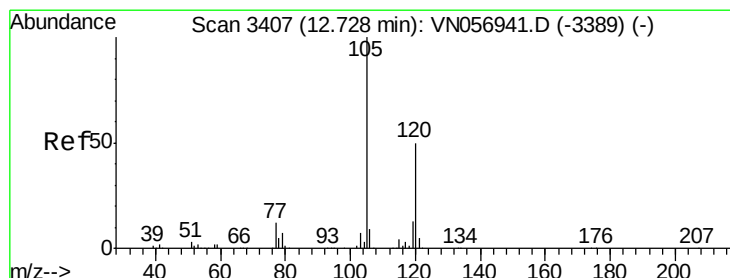
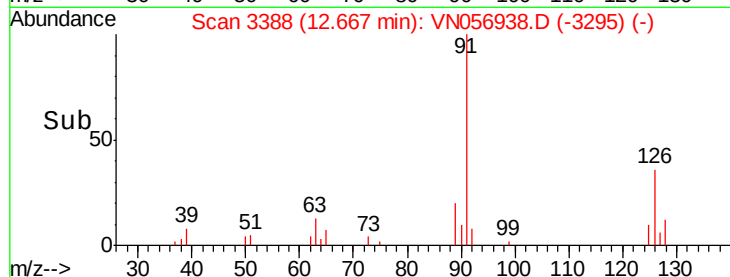
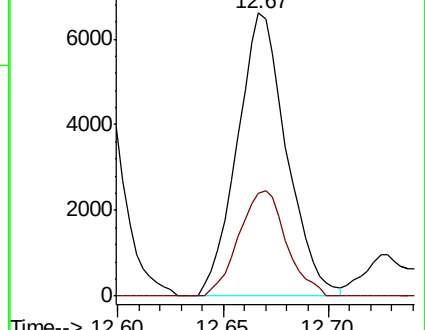
91 100

126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056938.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056938.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.047 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056938.D

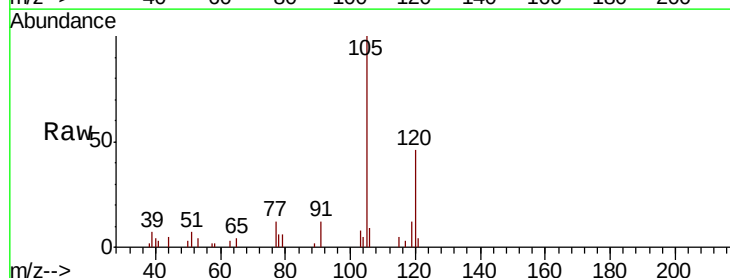
Acq: 26 Jul 2019 8:51

Tgt Ion:105 Resp: 12389

Ion Ratio Lower Upper

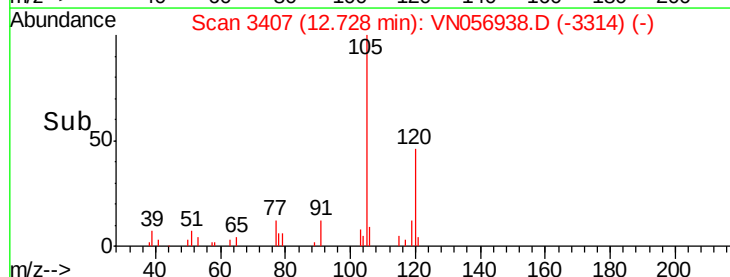
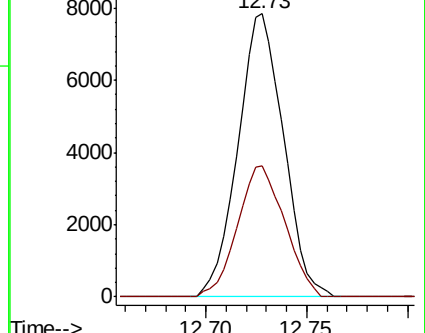
105 100

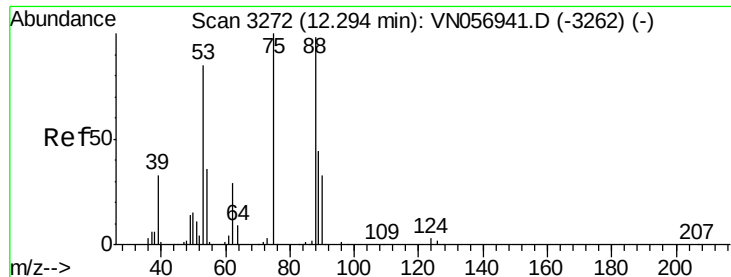
120 47.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056938.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN056938.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.725 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

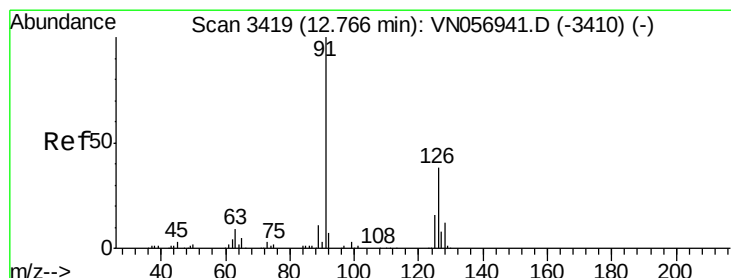
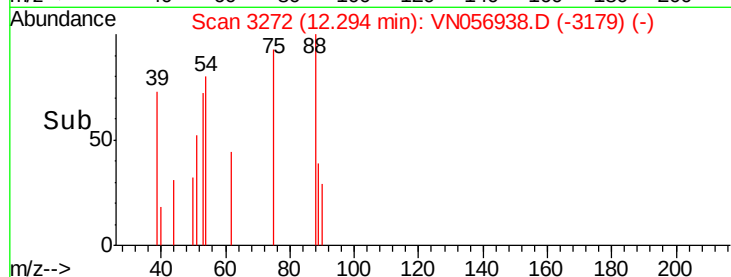
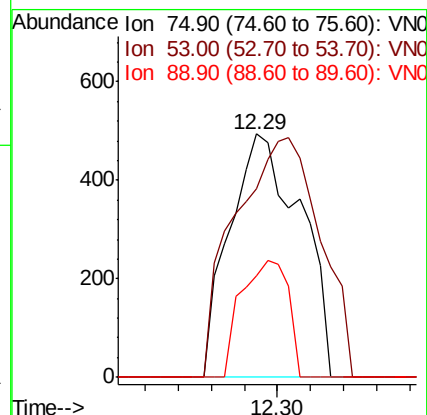
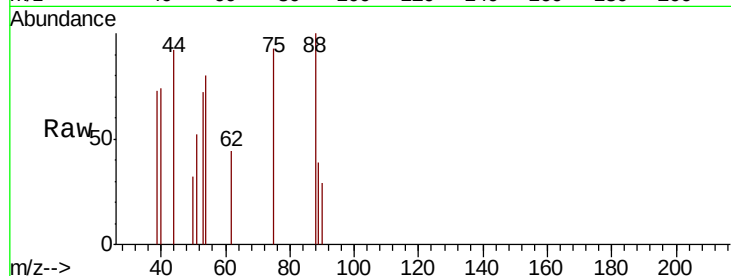
Tot Ion: 75 Resp: 736

Ion Ratio Lower Upper

75 100

53 118.1 69.3 103.9#

89 31.5 35.8 53.6#



#82

4-Chlorotoluene

Concen: 0.998 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056938.D

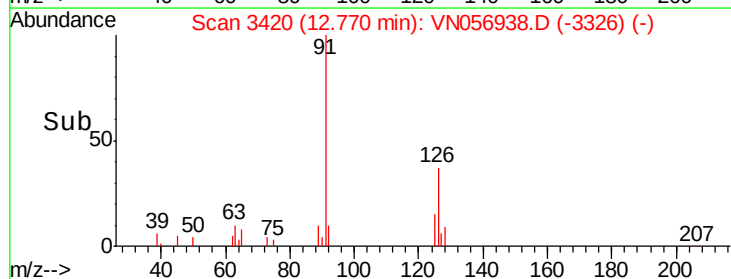
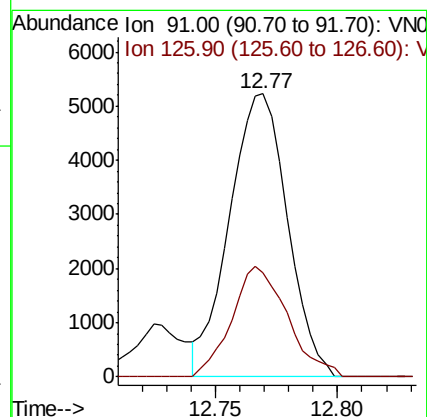
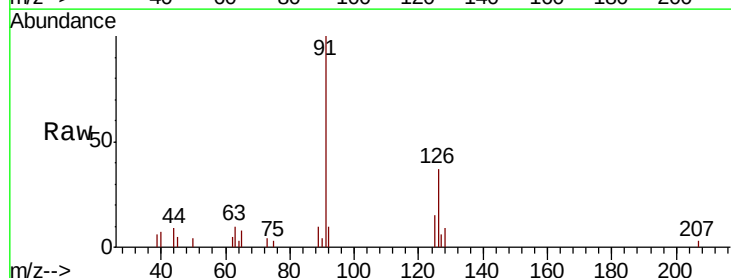
Acq: 26 Jul 2019 8:51

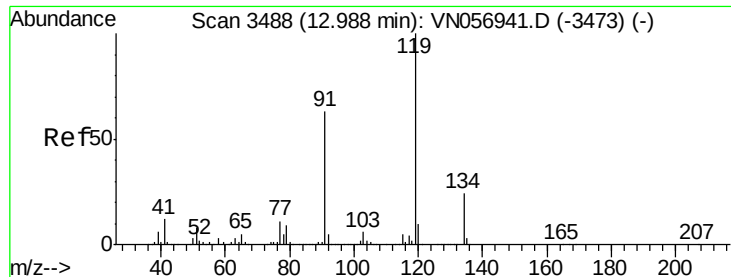
Tgt Ion: 91 Resp: 8637

Ion Ratio Lower Upper

91 100

126 37.4 17.5 52.5

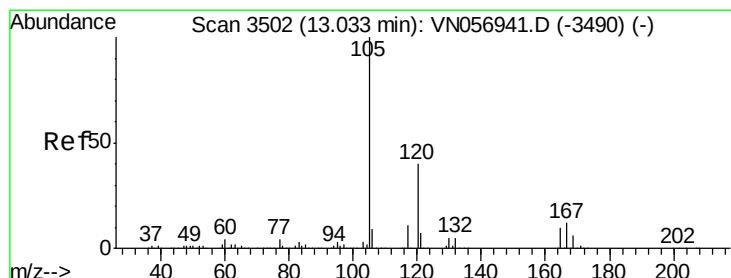
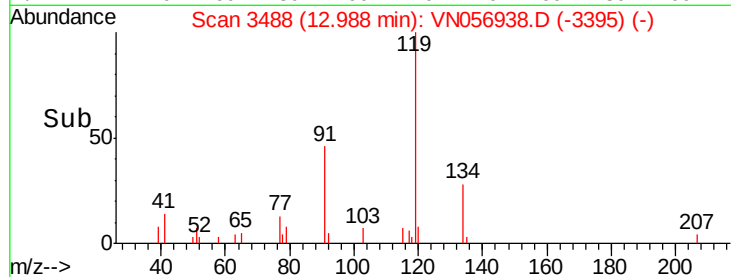
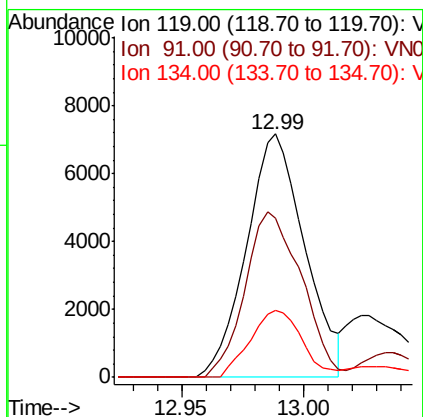
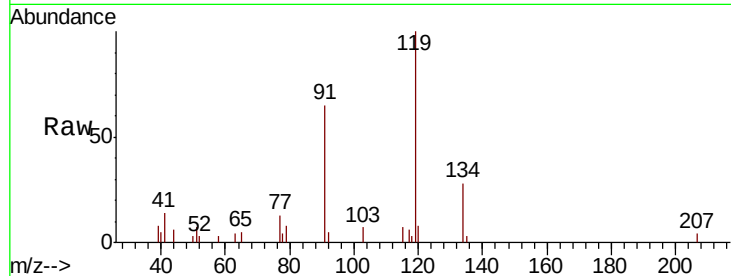




#83
 tert-Butylbenzene
 Concen: 1.137 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

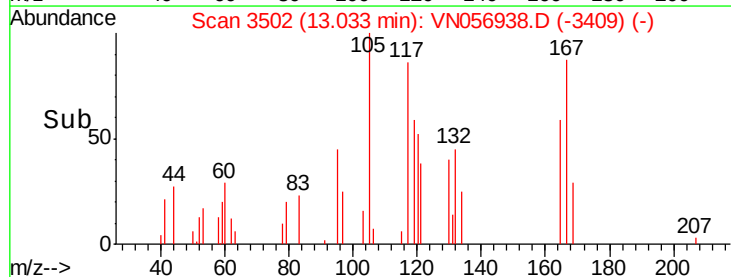
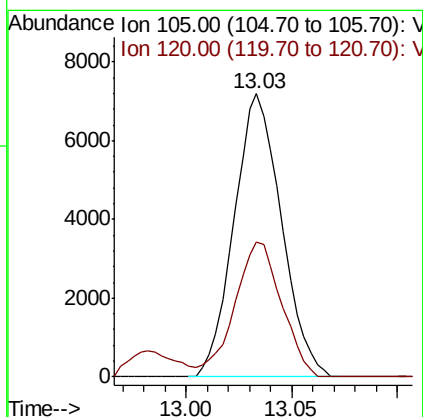
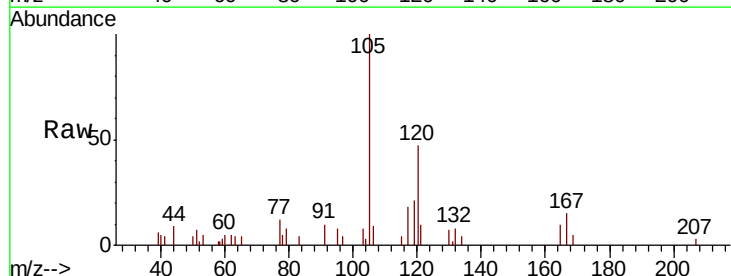
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

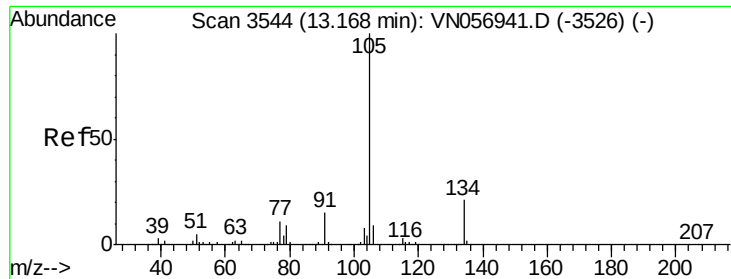
Tot Ion:119 Resp: 11866
 Ion Ratio Lower Upper
 119 100
 91 66.0 31.3 93.8
 134 24.6 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1.000 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion:105 Resp: 11187
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.064 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

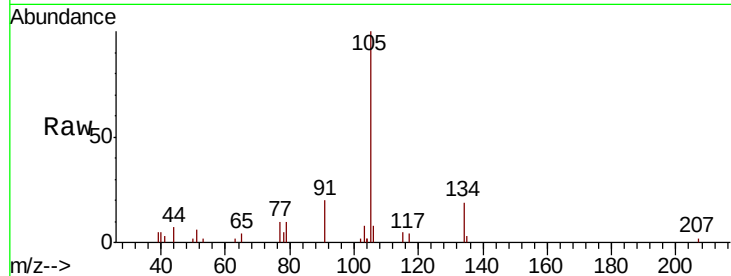
VSTDIC001

Tot Ion:105 Resp: 14028

Ion Ratio Lower Upper

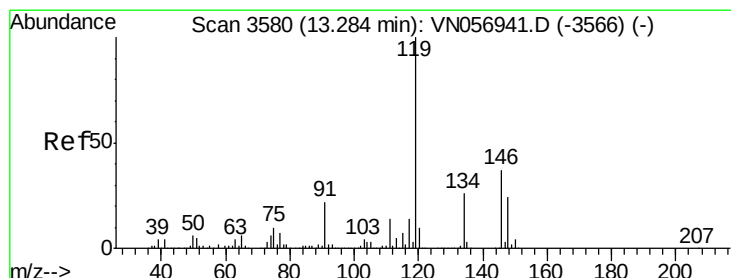
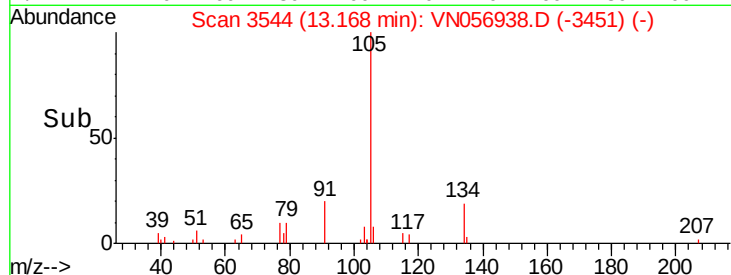
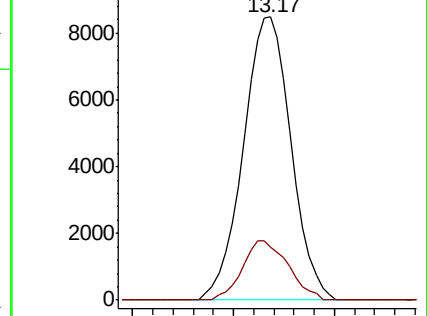
105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.015 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056938.D

Acq: 26 Jul 2019 8:51

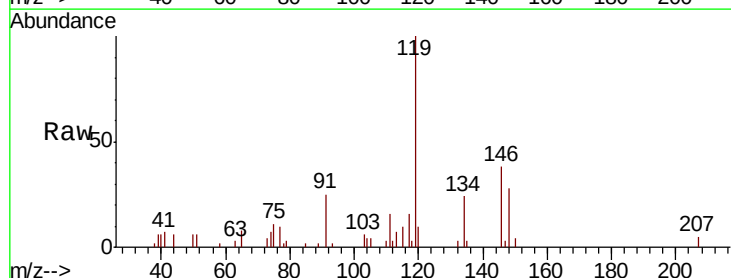
Tgt Ion:119 Resp: 11838

Ion Ratio Lower Upper

119 100

134 25.2 13.4 40.1

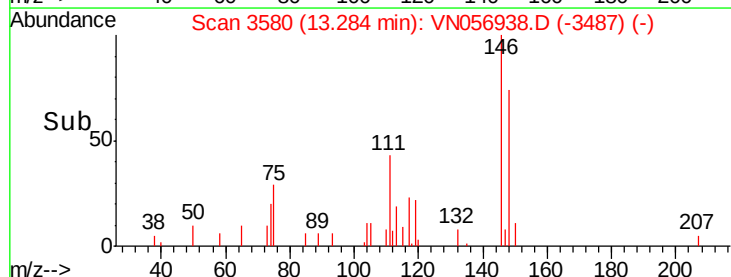
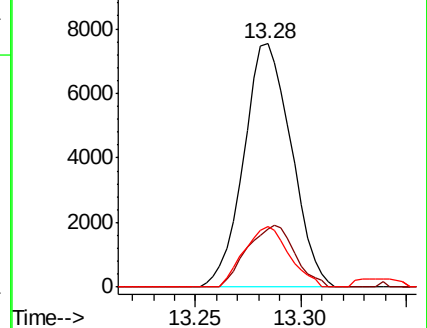
91 23.4 11.0 33.0

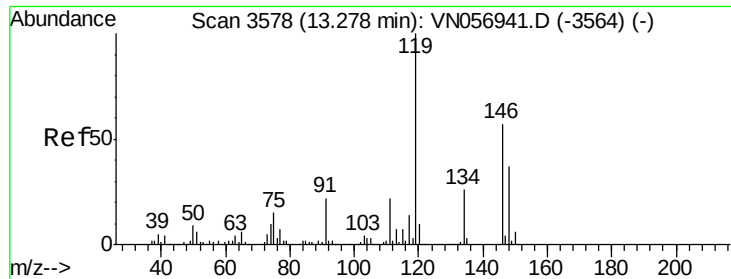


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

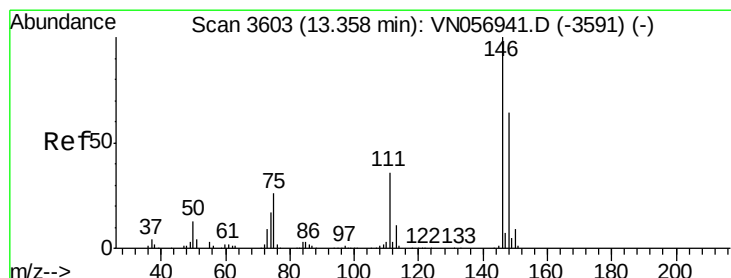
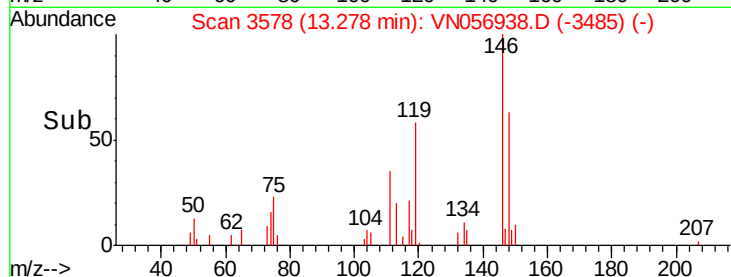
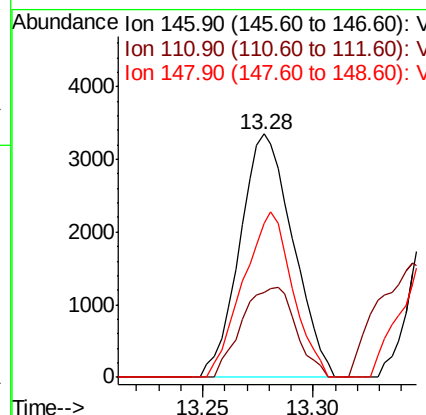
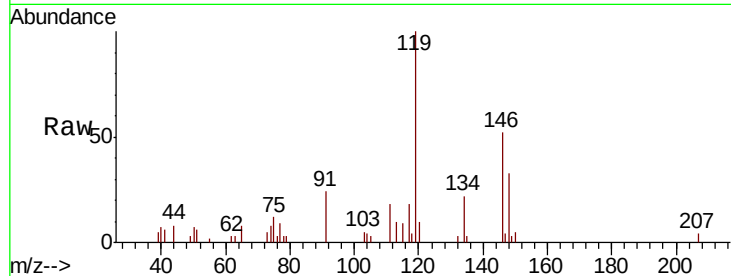




#87
 1,3-Dichlorobenzene
 Concen: 1.024 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

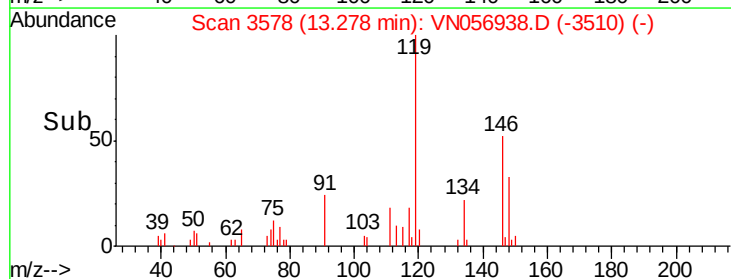
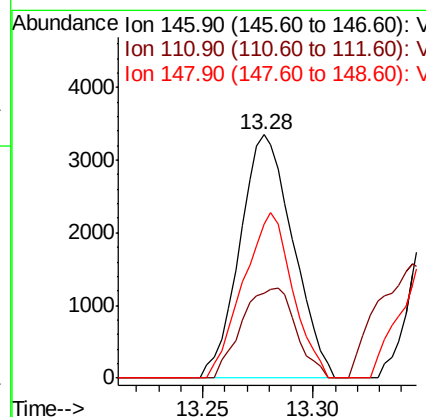
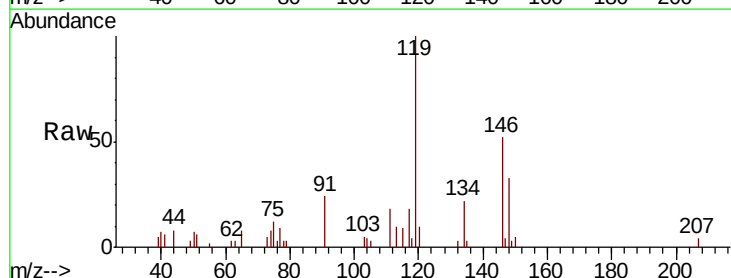
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

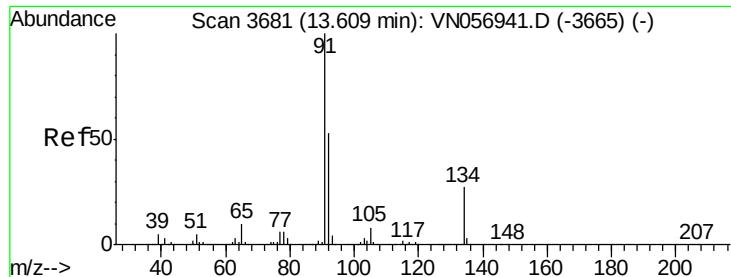
Tot Ion:146 Resp: 5614
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 1.066 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.08 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion:146 Resp: 5614
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.2
 148 63.5 32.3 96.9

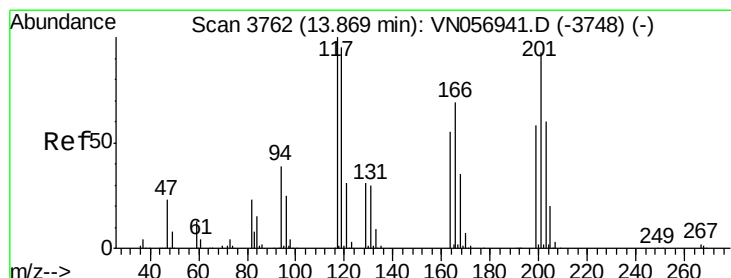
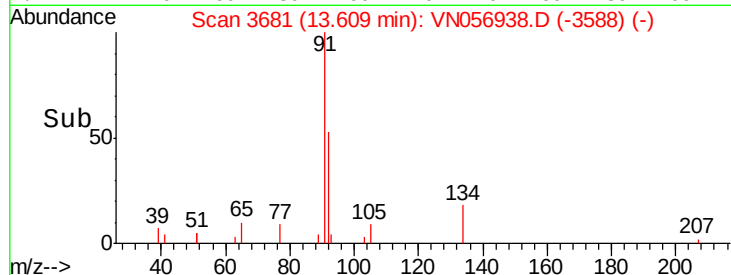
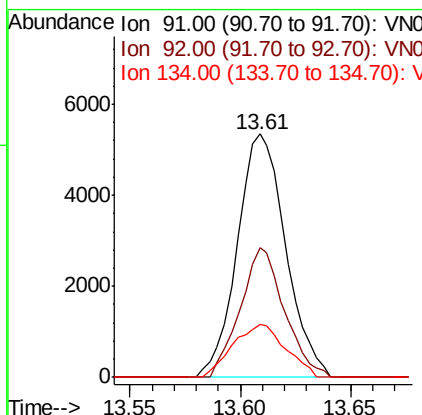
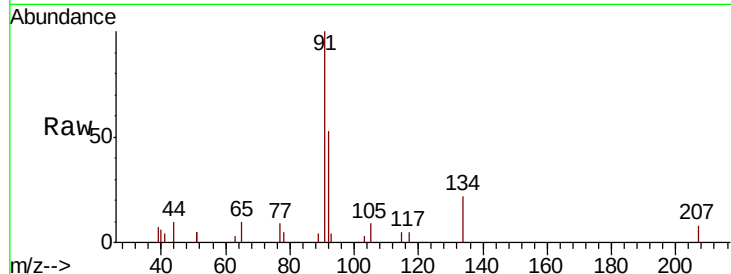




#89
n-Butylbenzene
Concen: 0.902 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

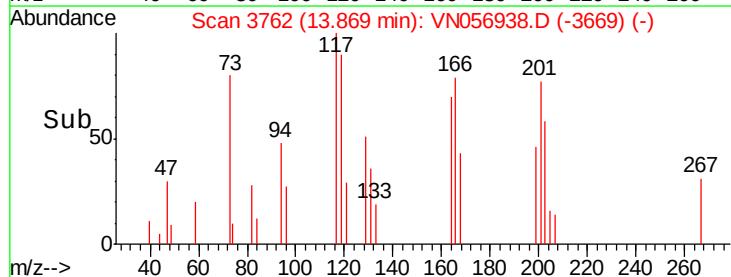
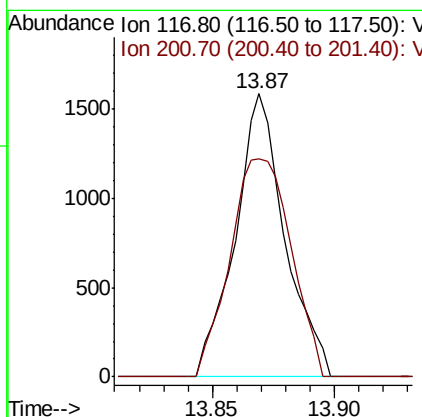
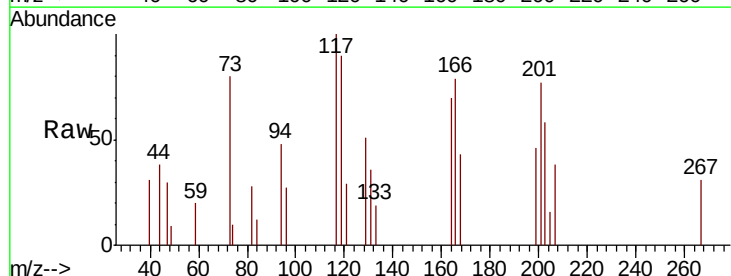
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

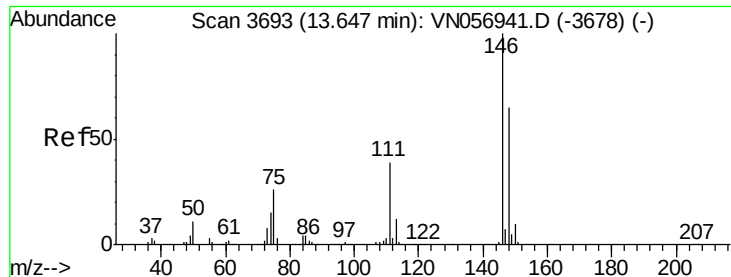
Tot Ion: 91 Resp: 8129
Ion Ratio Lower Upper
91 100
92 48.6 26.2 78.5
134 23.8 13.5 40.4



#90
Hexachloroethane
Concen: 1.072 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion: 117 Resp: 2228
Ion Ratio Lower Upper
117 100
201 95.2 47.0 141.2

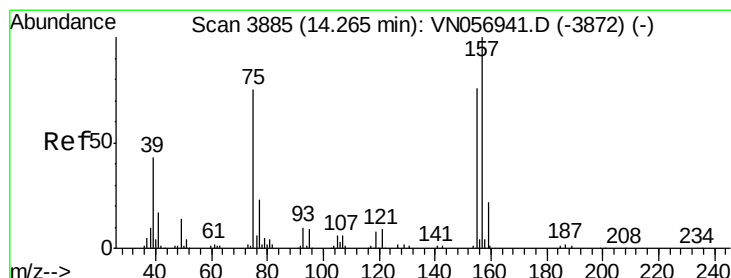
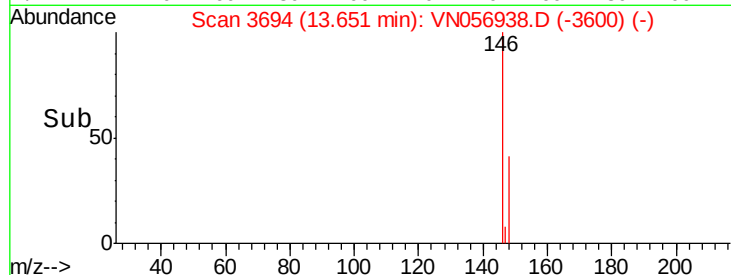
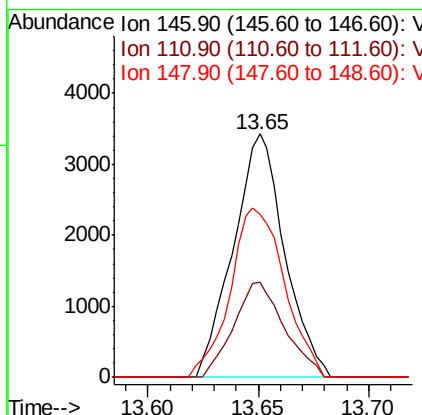
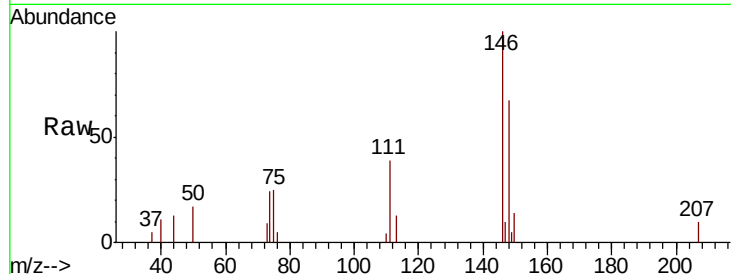




#91
 1,2-Dichlorobenzene
 Concen: 0.995 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

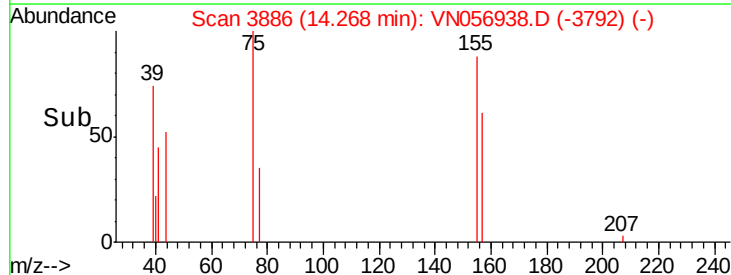
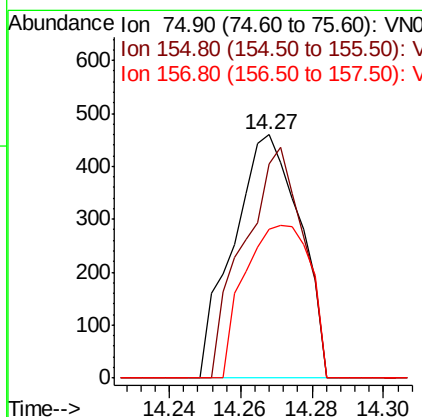
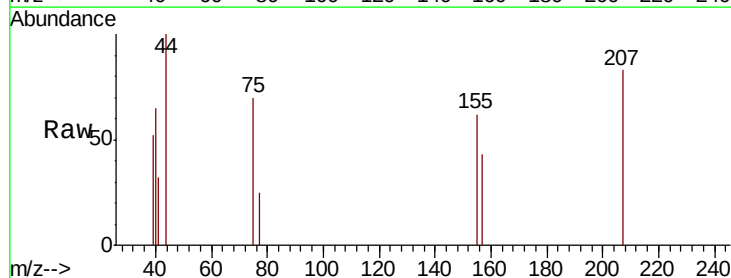
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

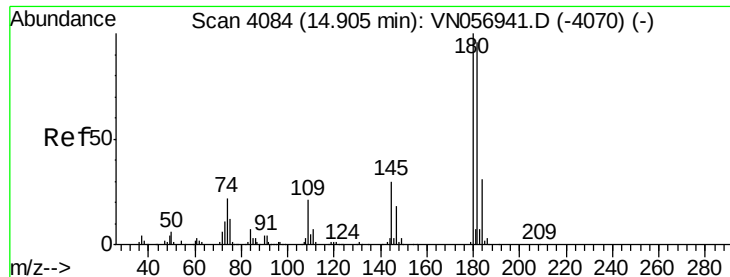
Tot Ion:146 Resp: 5529
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.4
 148 73.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.040 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion: 75 Resp: 593
 Ion Ratio Lower Upper
 75 100
 155 84.1 50.2 150.6
 157 62.2 65.1 195.4#

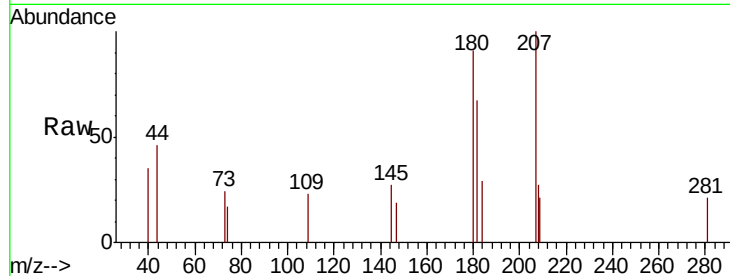




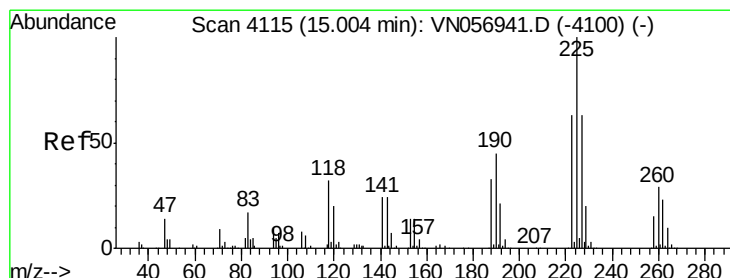
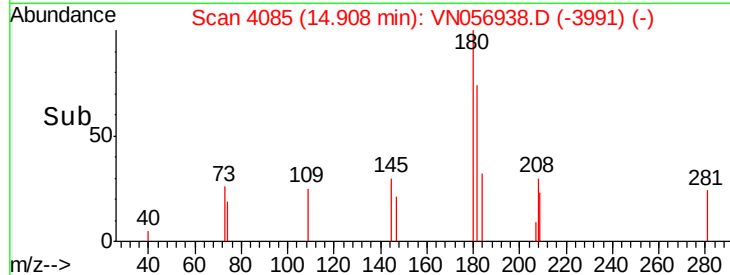
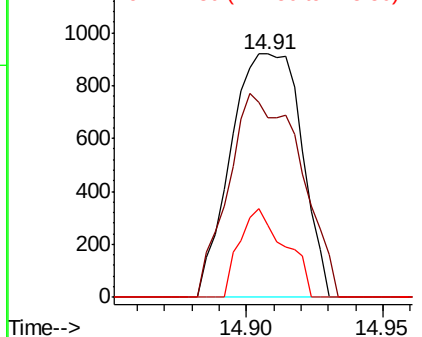
#93
 1,2,4-Trichlorobenzene
 Concen: 0.714 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 1655
 Ion Ratio Lower Upper
 180 100
 182 85.4 47.6 142.8
 145 23.6 14.2 42.8

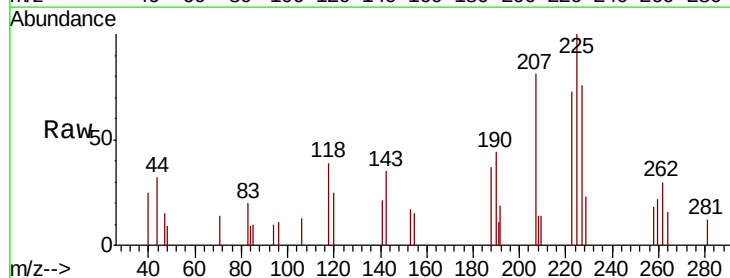


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

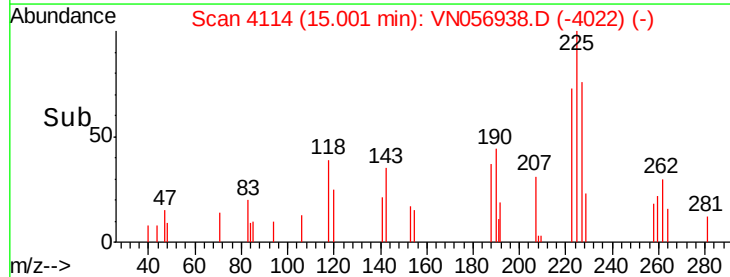
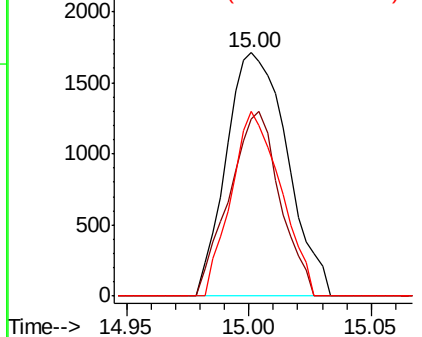


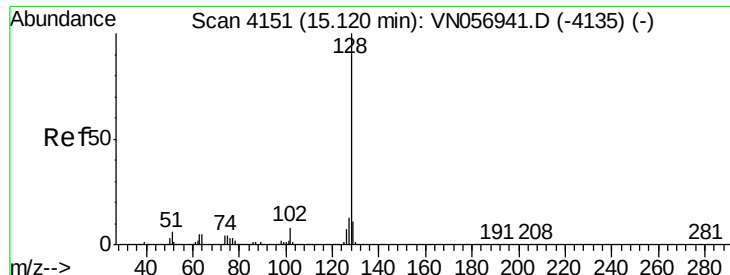
#94
 Hexachlorobutadiene
 Concen: 1.315 ug/l
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN056938.D
 Acq: 26 Jul 2019 8:51

Tgt Ion:225 Resp: 2965
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.8 92.4
 227 62.0 31.1 93.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

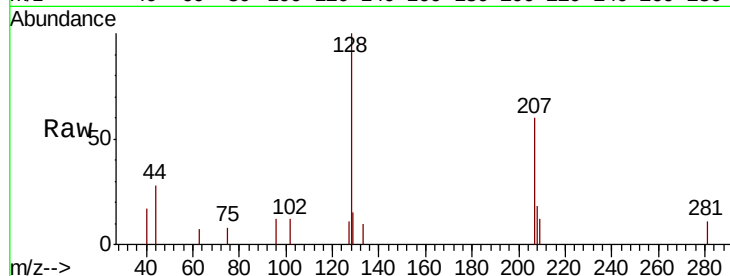




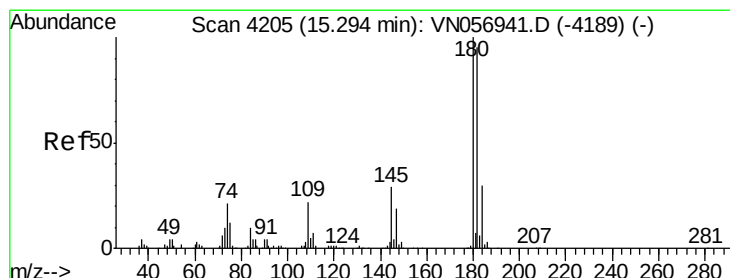
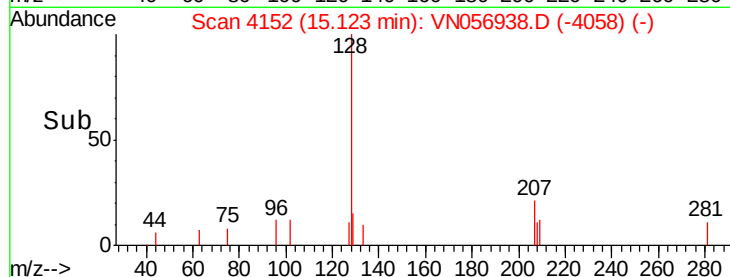
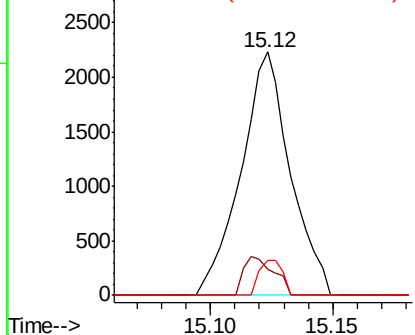
#95
Naphthalene
Concen: 0.541 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 3125
Ion Ratio Lower Upper
128 100
127 9.6 10.0 15.0#
129 6.7 8.7 13.1#

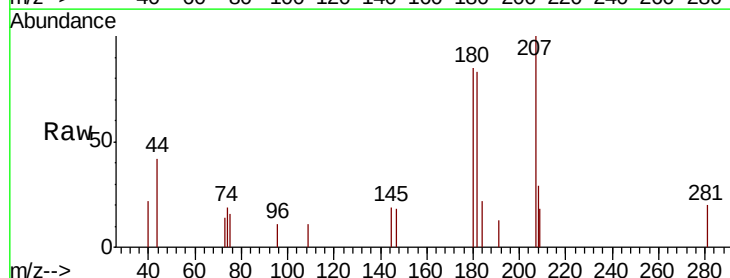


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.756 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN056938.D
Acq: 26 Jul 2019 8:51

Tgt Ion:180 Resp: 1882
Ion Ratio Lower Upper
180 100
182 107.0 48.0 144.2
145 17.6 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

