

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056939.D
 Acq On : 26 Jul 2019 9:25
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 27 00:03:11 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	588201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	875008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	735296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245293	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	29522	4.88	ug/l	0.00
Spiked Amount			Recovery	=	9.76%	
35) Dibromofluoromethane	7.57	113	27294	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	
50) Toluene-d8	10.08	98	100937	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.39	95	29872	4.34	ug/l	0.00
Spiked Amount			Recovery	=	8.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	24758	3.990	ug/l	99
3) Chloromethane	2.05	50	33592	4.544	ug/l	95
4) Vinyl Chloride	2.18	62	32661	4.661	ug/l	100
5) Bromomethane	2.54	94	23393	5.527	ug/l	91
6) Chloroethane	2.69	64	19518	5.027	ug/l	99
7) Trichlorofluoromethane	3.00	101	45152	4.941	ug/l	99
8) Diethyl Ether	3.39	74	16568	4.842	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	28939	5.125	ug/l	97
10) Methyl Iodide	3.94	142	34022	4.168	ug/l	99
11) Tert butyl alcohol	4.76	59	19311	22.060	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	26582	4.899	ug/l	95
13) Acrolein	3.59	56	14715	30.518	ug/l	98
14) Allyl chloride	4.30	41	42257	4.792	ug/l	94
15) Acrylonitrile	4.97	53	59491	23.781	ug/l	98
16) Acetone	3.80	43	53541	25.671	ug/l	100
17) Carbon Disulfide	4.03	76	65473	4.499	ug/l	98
18) Methyl Acetate	4.31	43	31942	4.407	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	78344	4.888	ug/l	96
20) Methylene Chloride	4.54	84	32180	4.977	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	28930	4.985	ug/l	98
22) Diisopropyl ether	5.93	45	89041	4.974	ug/l	94
23) Vinyl Acetate	5.87	43	295422	23.825	ug/l	97
24) 1,1-Dichloroethane	5.82	63	53669	5.095	ug/l	97
25) 2-Butanone	6.82	43	75066	23.454	ug/l	100
26) 2,2-Dichloropropane	6.80	77	38890	5.020	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	32297	4.875	ug/l	95
28) Bromochloromethane	7.18	49	25511	5.277	ug/l	98
29) Tetrahydrofuran	7.19	42	49667	23.723	ug/l	97
30) Chloroform	7.36	83	54532	5.028	ug/l	92
31) Cyclohexane	7.64	56	55639	5.430	ug/l #	74
32) 1,1,1-Trichloroethane	7.55	97	42796	4.937	ug/l	99
36) 1,1-Dichloropropene	7.78	75	39265	4.972	ug/l	99
37) Ethyl Acetate	6.91	43	31085	4.795	ug/l #	79
38) Carbon Tetrachloride	7.76	117	35512	4.723	ug/l	94

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 Data File : VN056939.D
 Acq On : 26 Jul 2019 9:25
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 27 00:03:11 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)
39) Methylcyclohexane	9.07	83	49870	5.166	ug/l	95
40) Benzene	8.03	78	125466	5.115	ug/l	98
41) Methacrylonitrile	7.16	41	13183	4.571	ug/l #	74
42) 1,2-Dichloroethane	8.11	62	37902	5.010	ug/l	100
43) Isopropyl Acetate	8.15	43	49929	4.708	ug/l	93
44) Trichloroethene	8.82	130	34603	5.190	ug/l	97
45) 1,2-Dichloropropane	9.11	63	32980	5.015	ug/l	99
46) Dibromomethane	9.20	93	19465	4.901	ug/l	97
47) Bromodichloromethane	9.39	83	37359	4.812	ug/l	99
48) Methyl methacrylate	9.19	41	23125	4.566	ug/l	98
49) 1,4-Dioxane	9.19	88	8903	84.952	ug/l #	87
51) 4-Methyl-2-Pentanone	9.98	43	145481	23.072	ug/l	99
52) Toluene	10.15	92	73098	4.982	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	35966	4.582	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	43045	4.675	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	29612	5.013	ug/l	97
56) Ethyl methacrylate	10.42	69	35944	4.509	ug/l	99
57) 1,3-Dichloropropane	10.70	76	48520	5.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	73435	23.200	ug/l	100
59) 2-Hexanone	10.74	43	94554	21.826	ug/l	98
60) Dibromochloromethane	10.89	129	26816	4.449	ug/l	94
61) 1,2-Dibromoethane	10.99	107	27395	4.688	ug/l	97
64) Tetrachloroethene	10.62	164	36133	5.501	ug/l	94
65) Chlorobenzene	11.42	112	77944	5.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	28295	4.996	ug/l	98
67) Ethyl Benzene	11.50	91	131395	5.032	ug/l	100
68) m/p-Xylenes	11.62	106	97076	9.983	ug/l	100
69) o-Xylene	11.94	106	47462	4.988	ug/l	99
70) Styrene	11.96	104	71970	4.775	ug/l	100
71) Bromoform	12.12	173	18008	4.531	ug/l #	99
73) Isopropylbenzene	12.24	105	127405	5.795	ug/l	100
74) N-amyl acetate	12.06	43	30090	4.635	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	36054	5.628	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	39220	8.166	ug/l #	100
77) Bromobenzene	12.52	156	31699	5.630	ug/l	98
78) n-propylbenzene	12.58	91	125793	5.415	ug/l	99
79) 2-Chlorotoluene	12.67	91	81462	5.633	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	103820	5.718	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	6558	4.210	ug/l #	76
82) 4-Chlorotoluene	12.77	91	73062	5.505	ug/l	100
83) tert-Butylbenzene	12.99	119	90713	5.663	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	98542	5.739	ug/l	98
85) sec-Butylbenzene	13.17	105	118039	5.835	ug/l	100
86) p-Isopropyltoluene	13.28	119	100959	5.641	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	44781	5.324	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	41838	5.179	ug/l	94
89) n-Butylbenzene	13.61	91	72397	5.234	ug/l	98
90) Hexachloroethane	13.87	117	16662	5.226	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	45654	5.354	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3755	4.291	ug/l	90

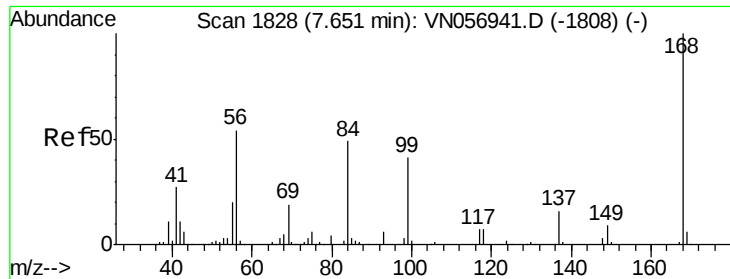
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
Data File : VN056939.D
Acq On : 26 Jul 2019 9:25
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jul 27 00:03:11 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)
93) 1,2,4-Trichlorobenzene	14.91	180	12909	3.628	ug/l	98
94) Hexachlorobutadiene	15.00	225	21613	6.248	ug/l	94
95) Naphthalene	15.12	128	28119	3.172	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	14465	3.787	ug/l	96

(#) = 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: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

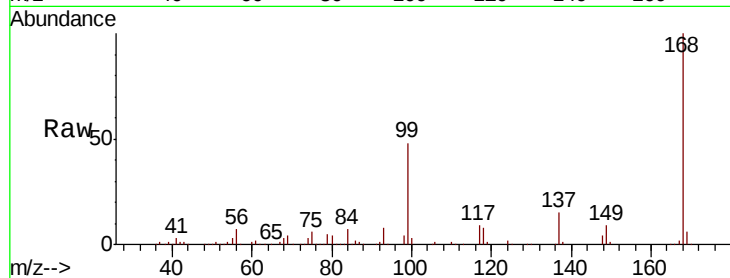
VSTDIC005

Tot Ion:168 Resp: 588201

Ion Ratio Lower Upper

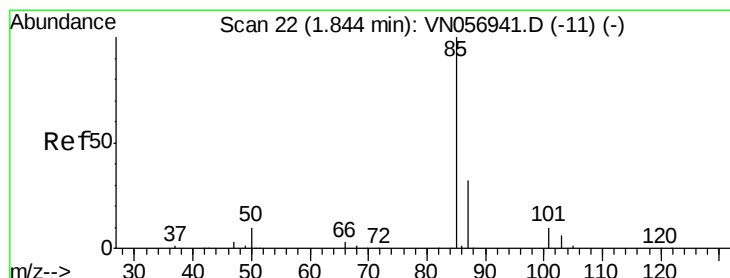
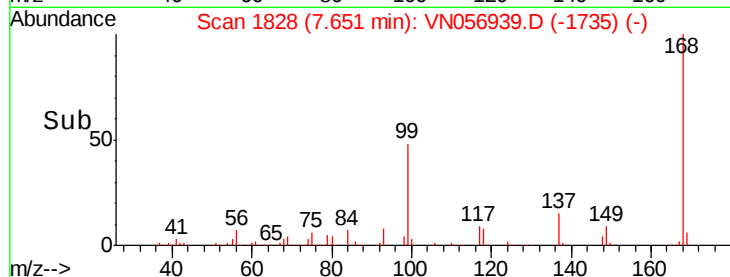
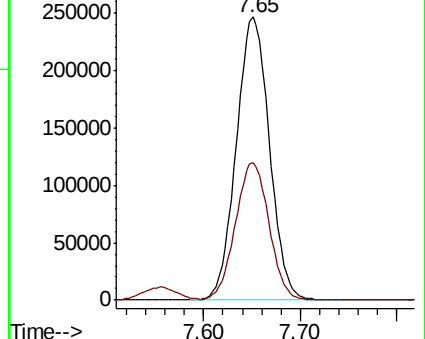
168 100

99 48.3 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: 3.990 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN056939.D

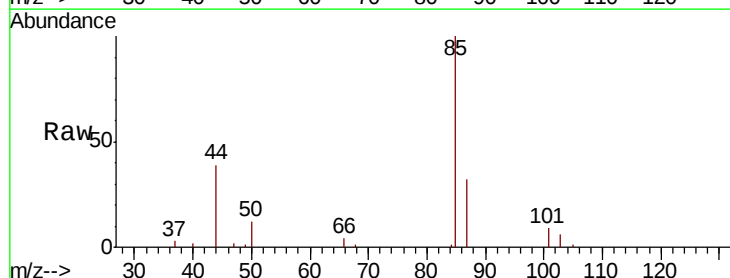
Acq: 26 Jul 2019 9:25

Tgt Ion: 85 Resp: 24758

Ion Ratio Lower Upper

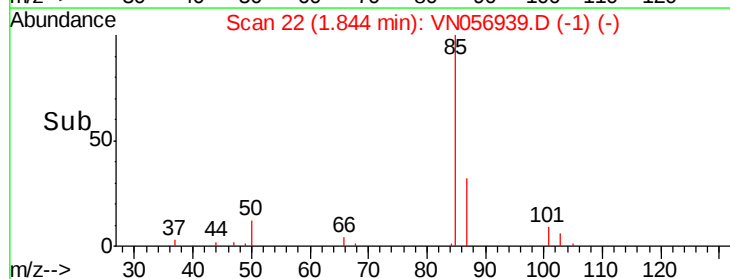
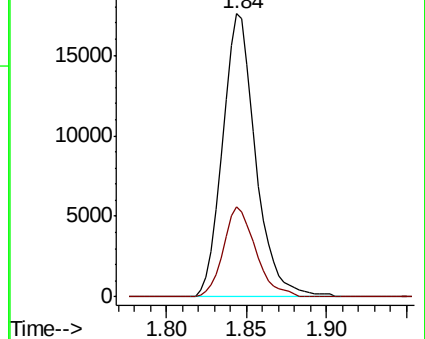
85 100

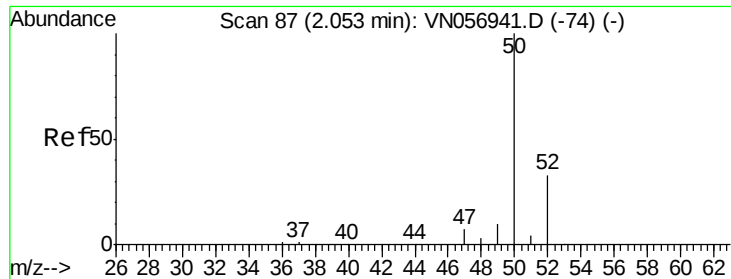
87 32.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 4.544 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

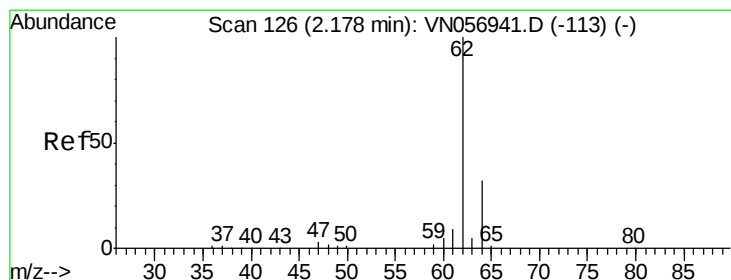
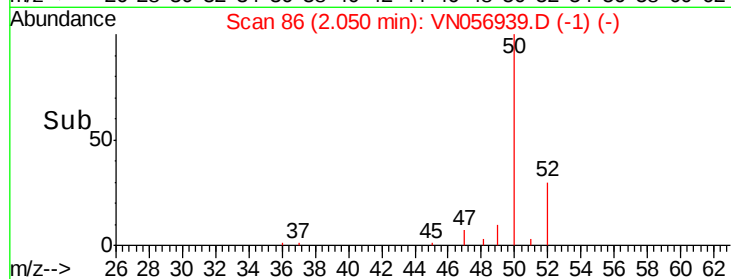
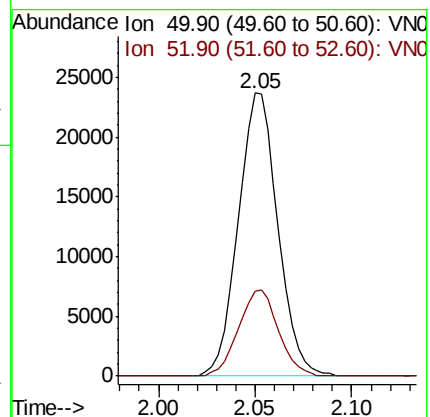
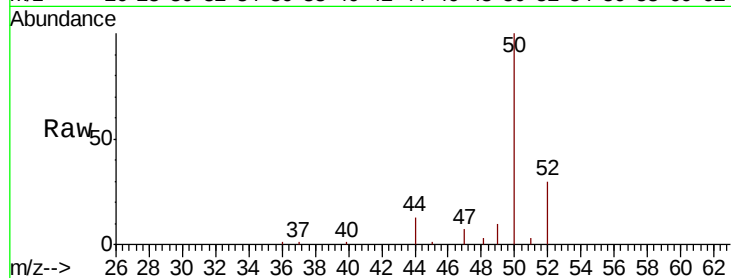
VSTDIC005

Tot Ion: 50 Resp: 33592

Ion Ratio Lower Upper

50 100

52 30.0 26.2 39.2



#4

Vinyl Chloride

Concen: 4.661 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN056939.D

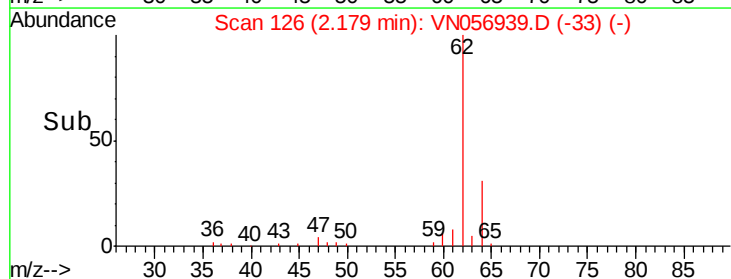
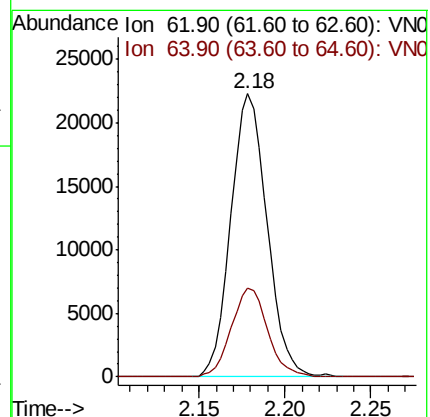
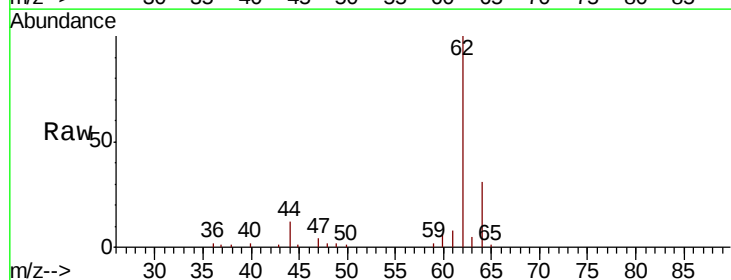
Acq: 26 Jul 2019 9:25

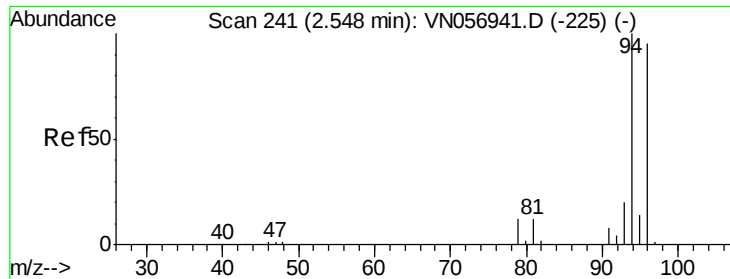
Tgt Ion: 62 Resp: 32661

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 5.527 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

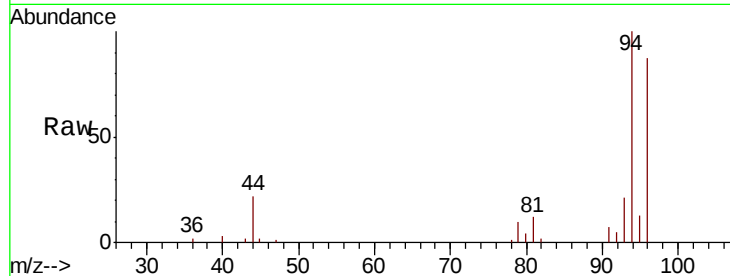
VSTDIC005

Tot Ion: 94 Resp: 23393

Ion Ratio Lower Upper

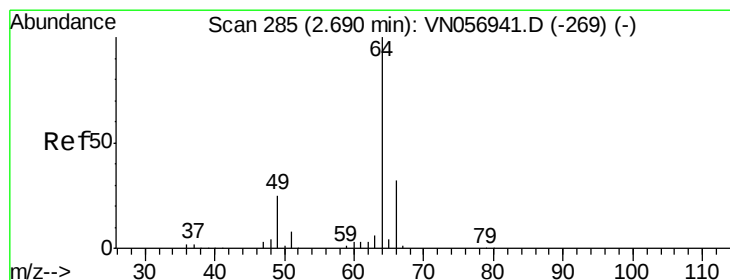
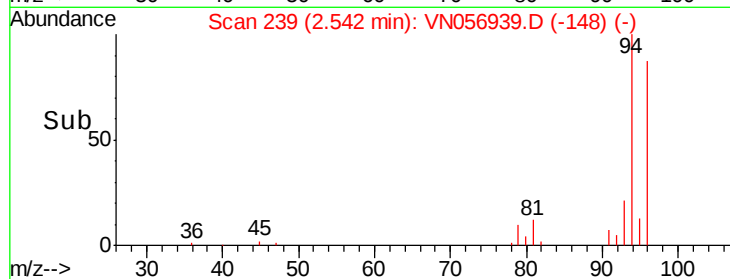
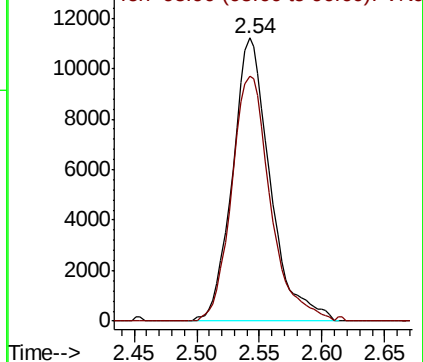
94 100

96 86.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.027 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056939.D

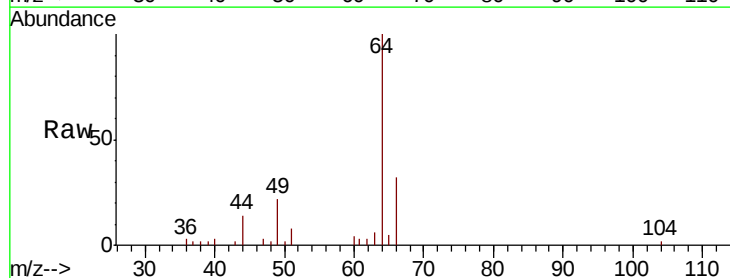
Acq: 26 Jul 2019 9:25

Tgt Ion: 64 Resp: 19518

Ion Ratio Lower Upper

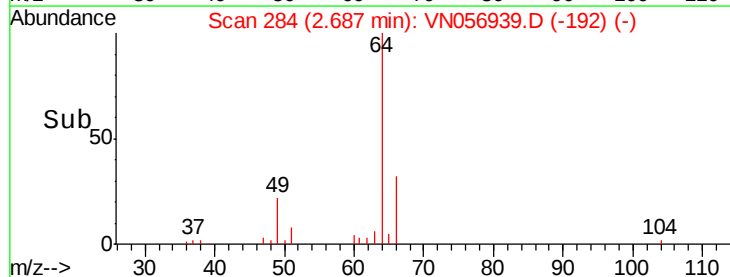
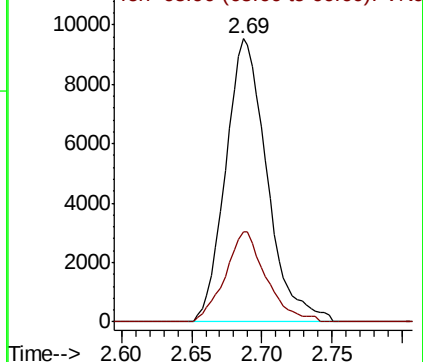
64 100

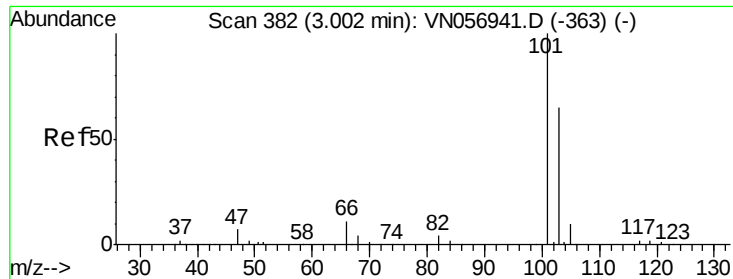
66 31.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



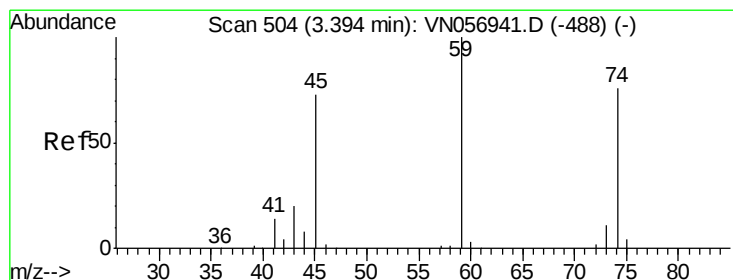
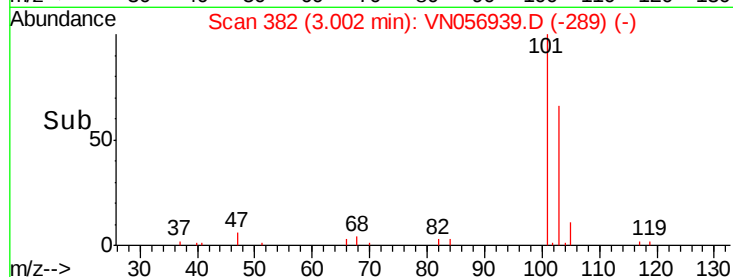
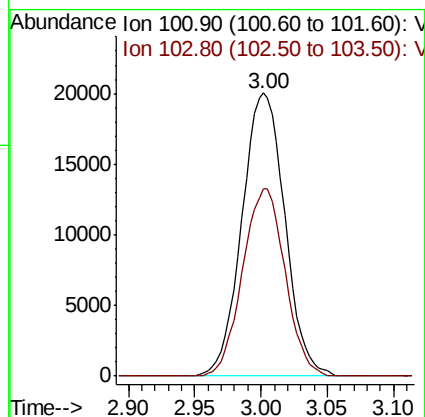
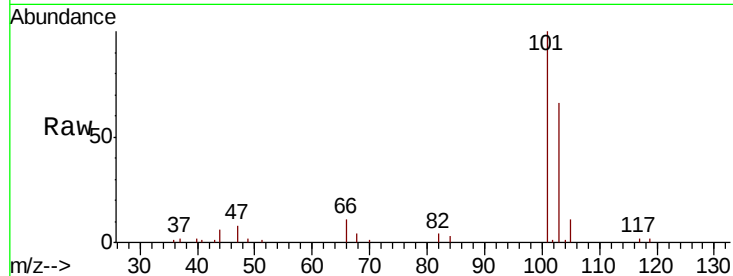


#7

Trichlorofluoromethane
Concen: 4.941 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

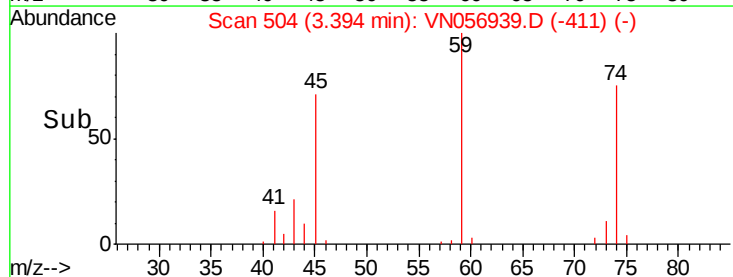
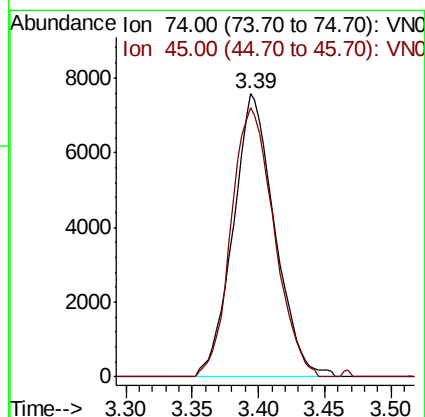
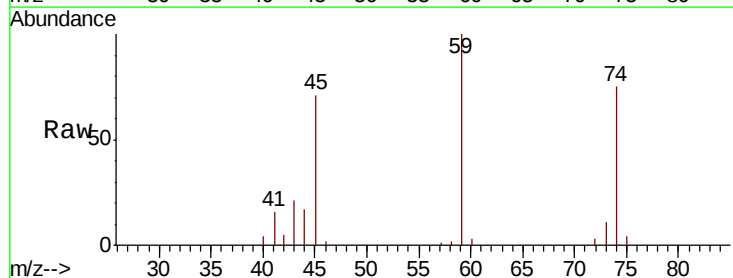
Tot Ion:101 Resp: 45152
Ion Ratio Lower Upper
101 100
103 66.2 52.1 78.1

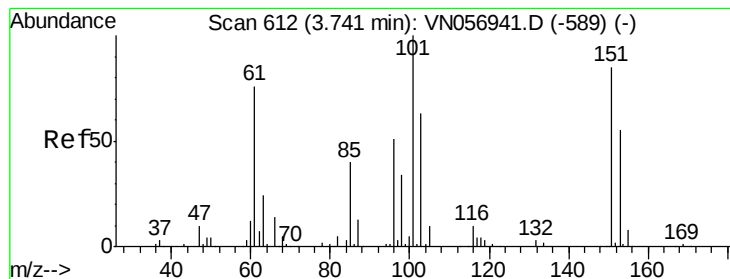


#8

Diethyl Ether
Concen: 4.842 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 74 Resp: 16568
Ion Ratio Lower Upper
74 100
45 97.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.125 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

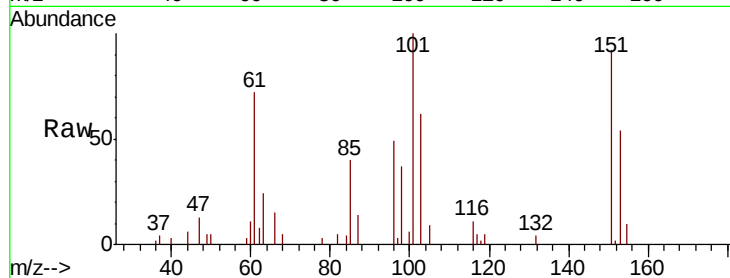
Tot Ion:101 Resp: 28939

Ion Ratio Lower Upper

101 100

85 40.3 32.3 48.5

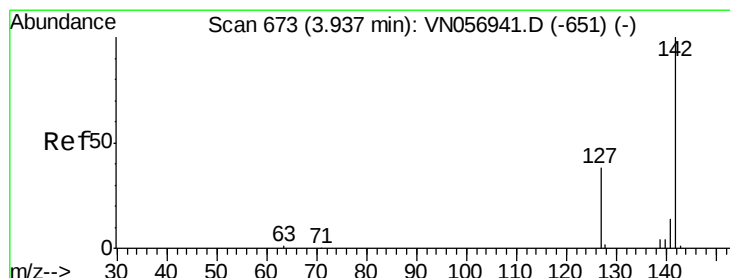
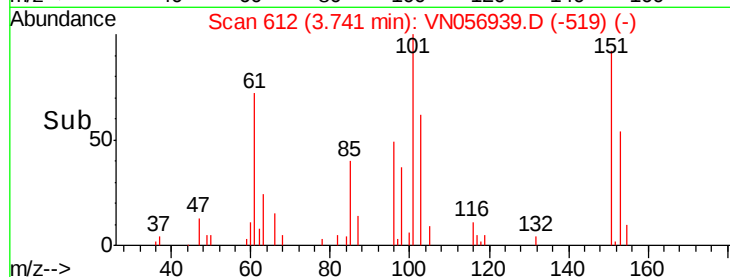
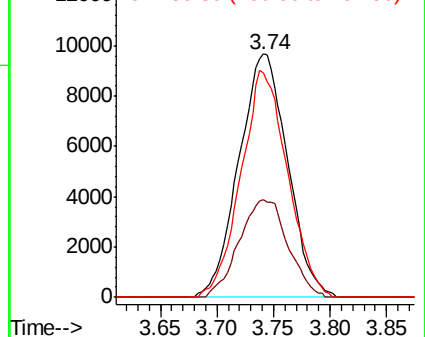
151 89.1 68.0 102.0



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: 4.168 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

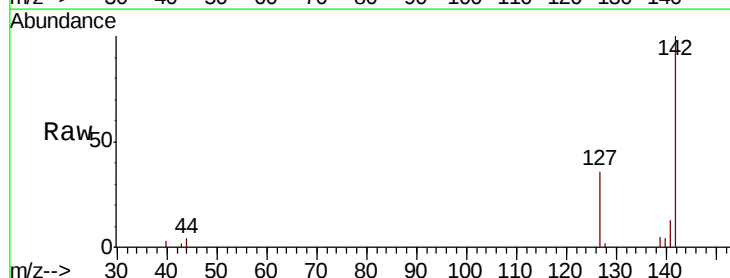
Tgt Ion:142 Resp: 34022

Ion Ratio Lower Upper

142 100

127 37.4 30.4 45.6

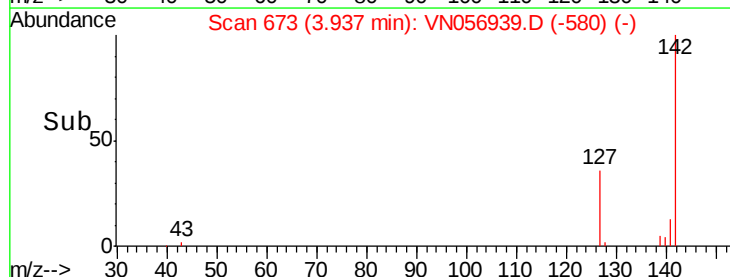
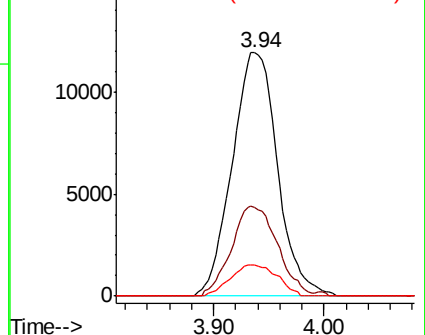
141 13.2 11.1 16.7

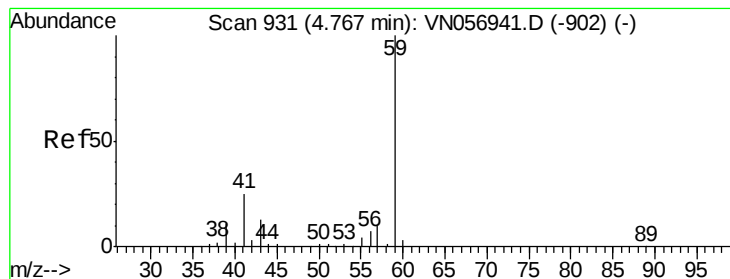


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



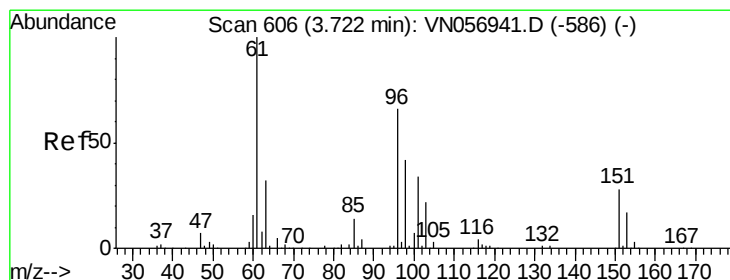
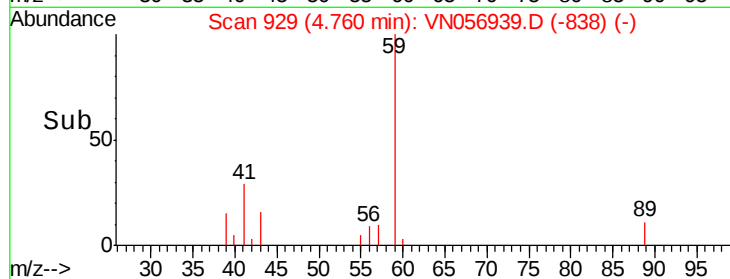
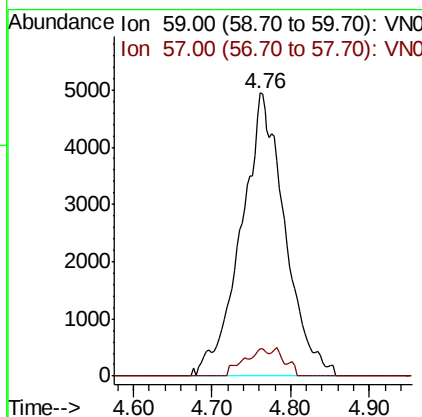
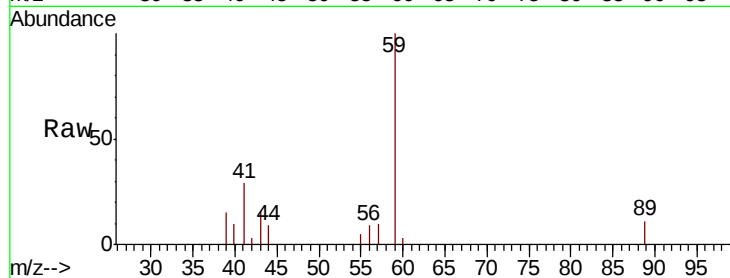


#11

Tert butyl alcohol
 Concen: 22.060 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

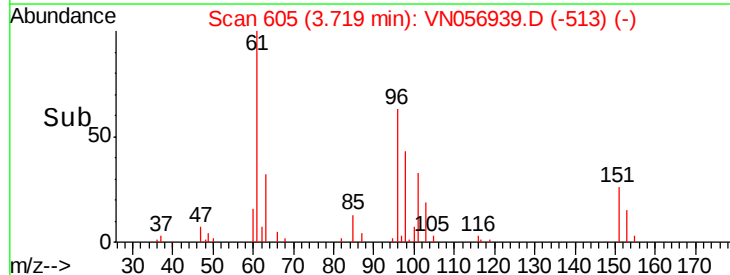
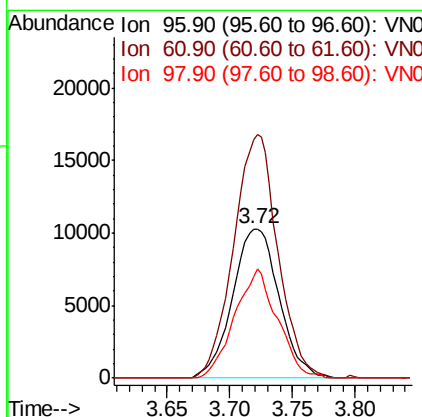
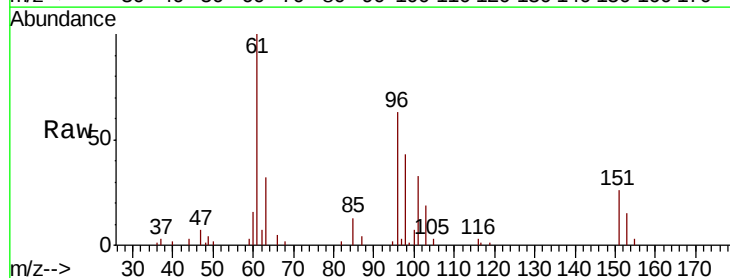
Tot Ion: 59 Resp: 19311
 Ion Ratio Lower Upper
 59 100
 57 5.5 7.5 11.3#

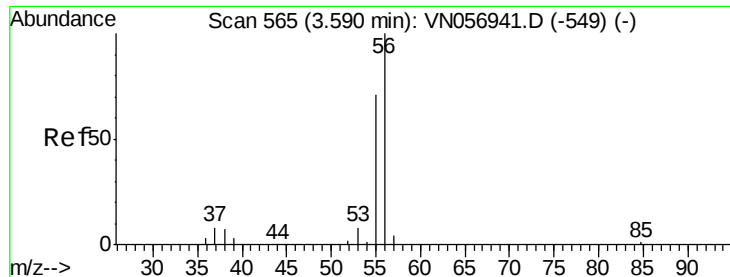


#12

1,1-Dichloroethene
 Concen: 4.899 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 96 Resp: 26582
 Ion Ratio Lower Upper
 96 100
 61 159.3 121.8 182.8
 98 68.3 51.7 77.5





#13

Acrolein

Concen: 30.518 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

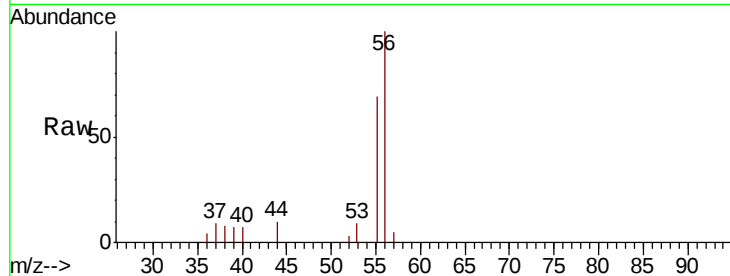
VSTDIC005

Tot Ion: 56 Resp: 14715

Ion Ratio Lower Upper

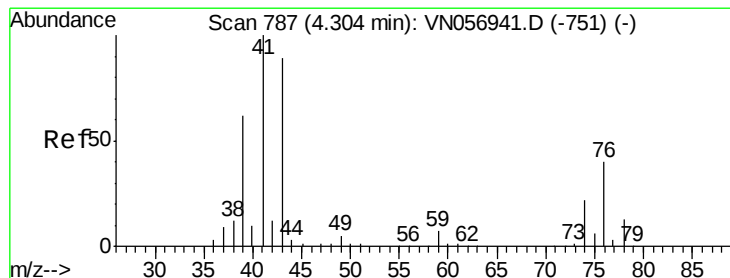
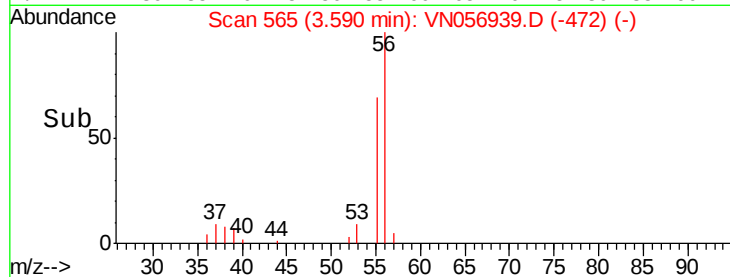
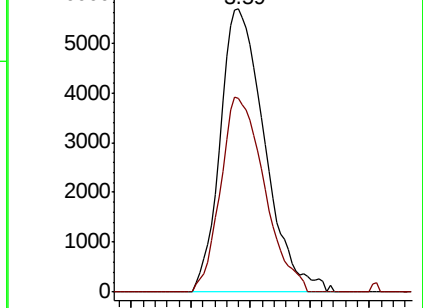
56 100

55 67.7 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN056939.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056939.D (-549) (-)



#14

Allyl chloride

Concen: 4.792 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

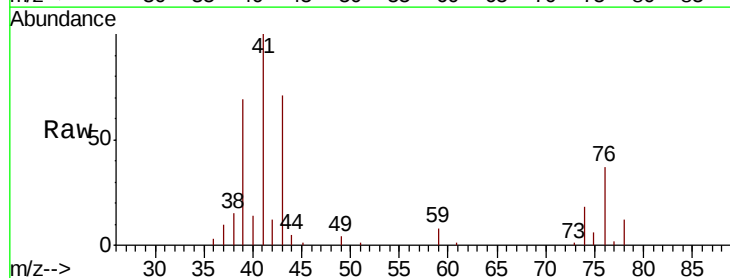
Tgt Ion: 41 Resp: 42257

Ion Ratio Lower Upper

41 100

39 63.6 46.4 69.6

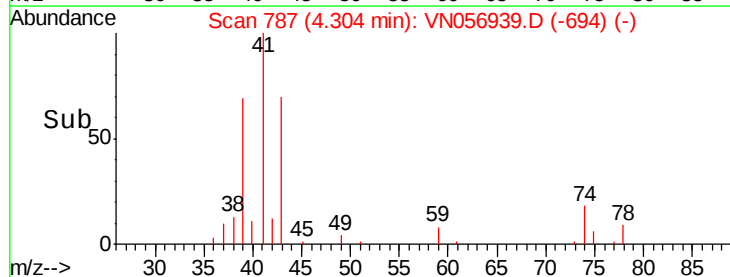
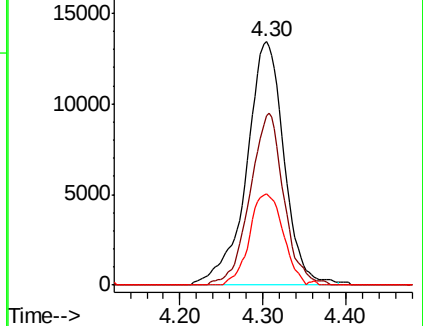
76 33.5 28.4 42.6

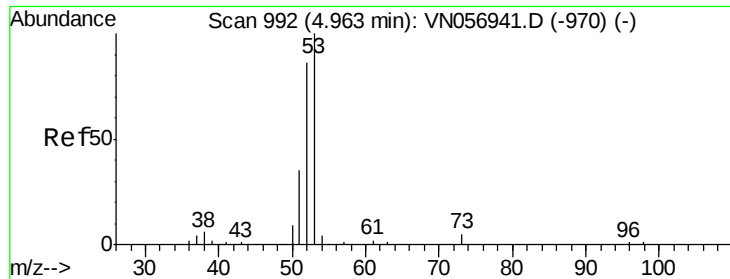


Abundance Ion 41.00 (40.70 to 41.70): VN056939.D (-694) (-)

Ion 39.00 (38.70 to 39.70): VN056939.D (-694) (-)

Ion 75.90 (75.60 to 76.60): VN056939.D (-694) (-)





#15

Acrylonitrile

Concen: 23.781 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

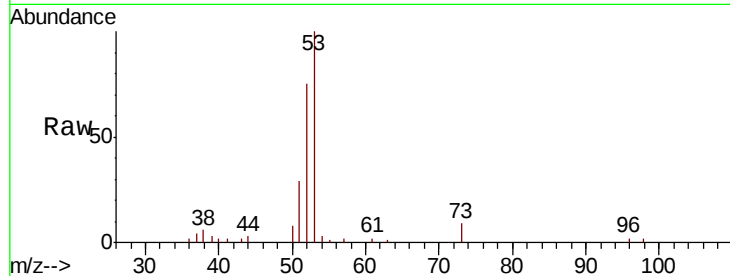
Tot Ion: 53 Resp: 59491

Ion Ratio Lower Upper

53 100

52 81.9 66.5 99.7

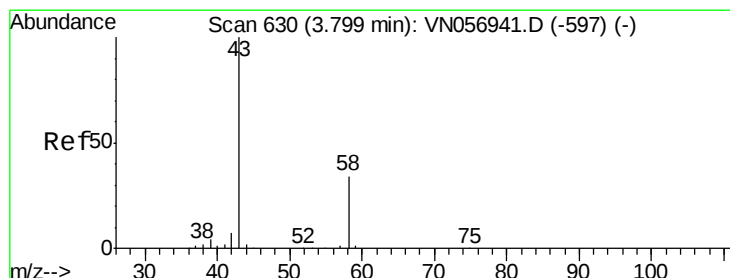
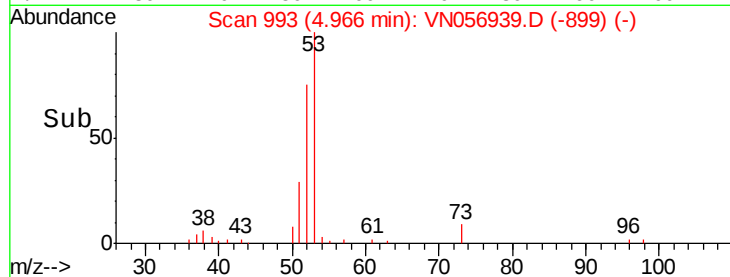
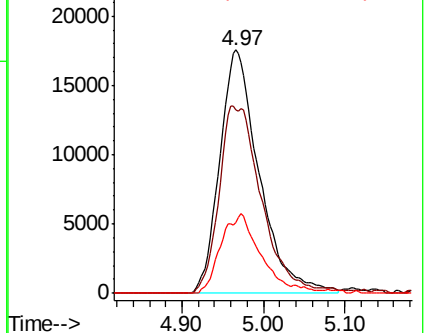
51 33.3 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 25.671 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN056939.D

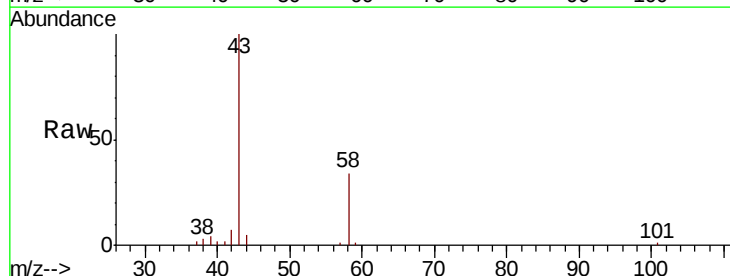
Acq: 26 Jul 2019 9:25

Tgt Ion: 43 Resp: 53541

Ion Ratio Lower Upper

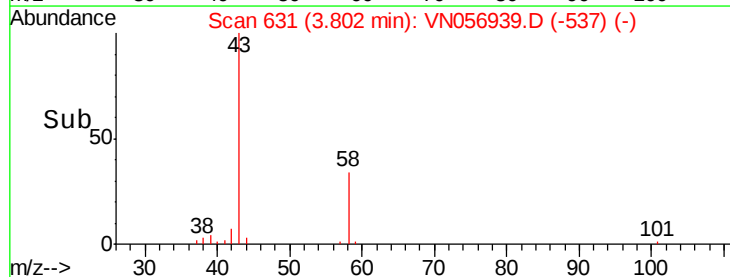
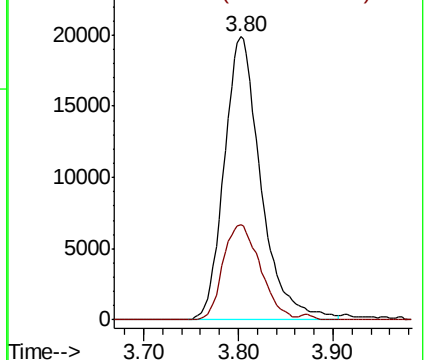
43 100

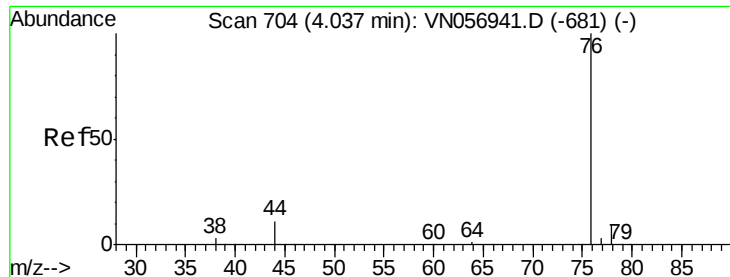
58 33.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

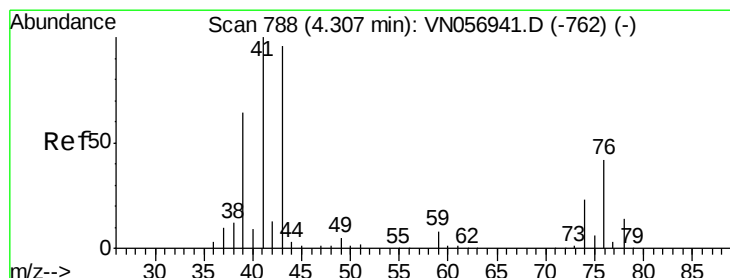
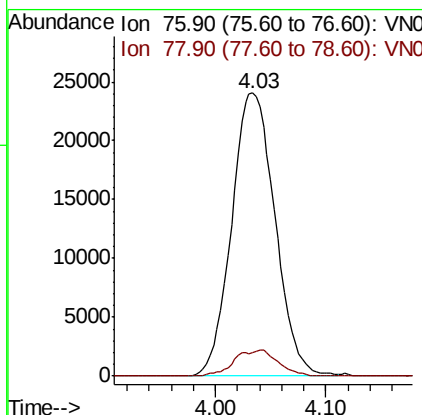
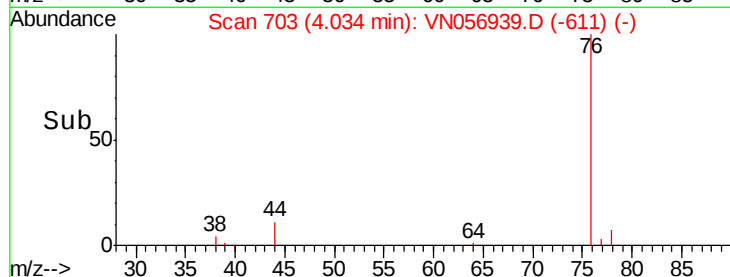
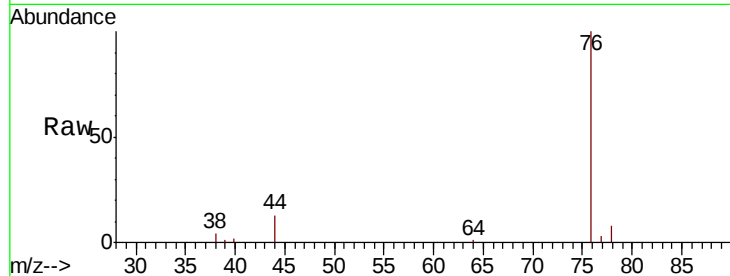




#17
Carbon Disulfide
Concen: 4.499 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

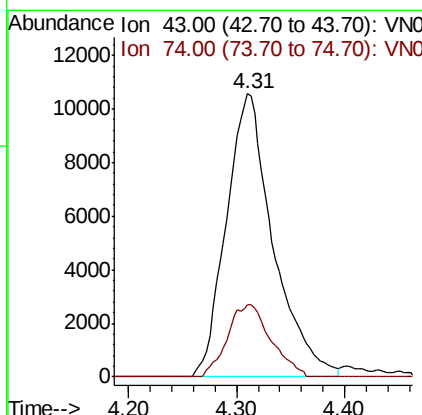
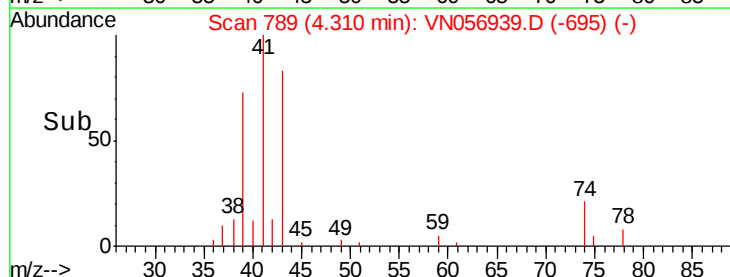
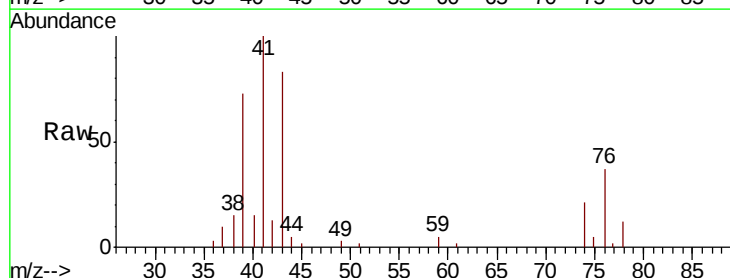
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

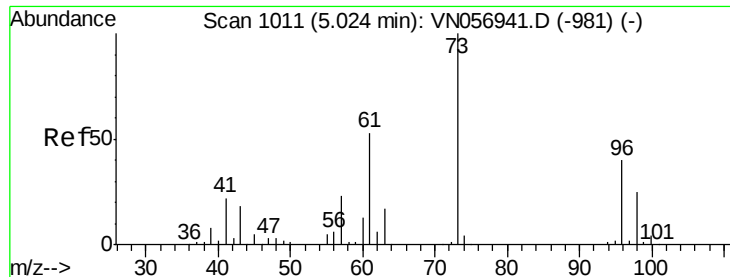
Tot Ion: 76 Resp: 65473
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8



#18
Methyl Acetate
Concen: 4.407 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 43 Resp: 31942
Ion Ratio Lower Upper
43 100
74 23.7 19.7 29.5

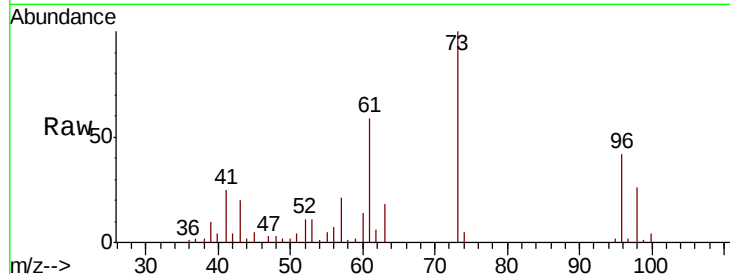




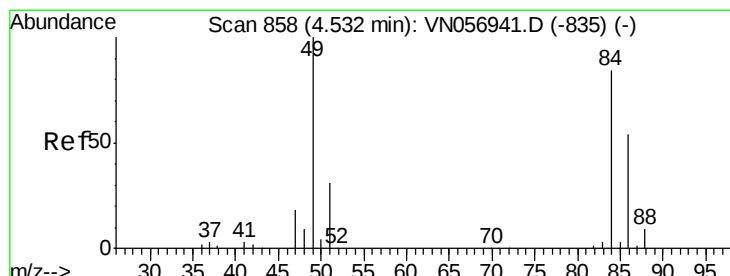
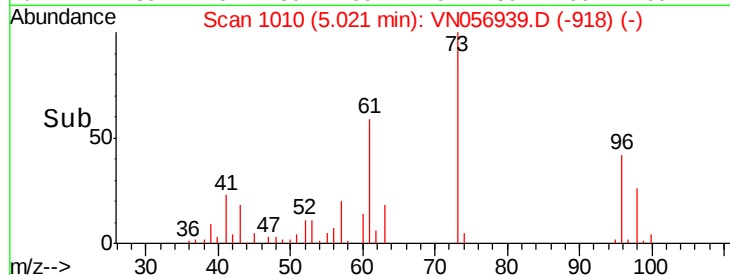
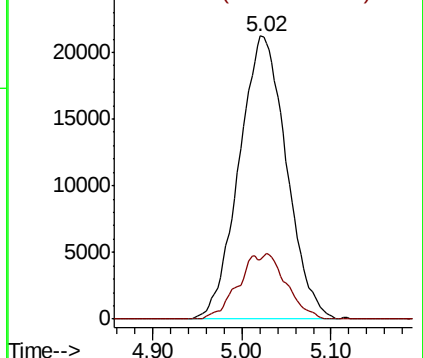
#19
Methvl tert-butvl Ether
Concen: 4.888 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 78344
Ion Ratio Lower Upper
73 100
57 20.9 18.3 27.5

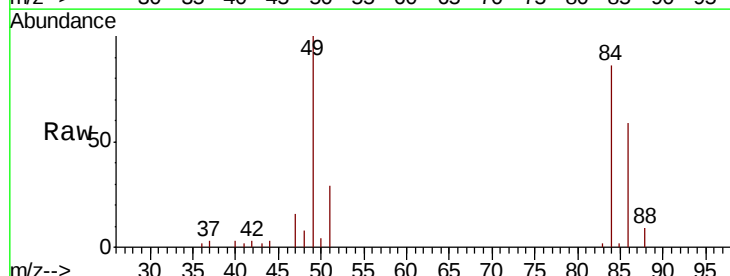


Abundance Ion 73.00 (72.70 to 73.70): VN056941.D (-981) (-)
Ion 57.00 (56.70 to 57.70): VN056941.D (-981) (-)

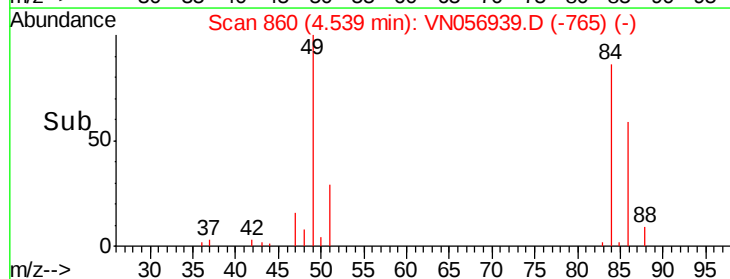
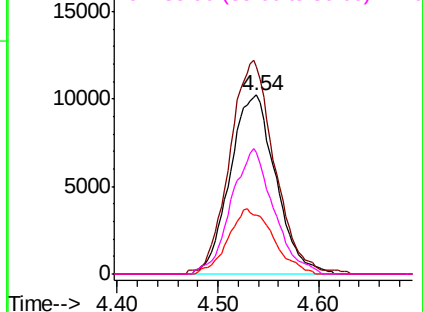


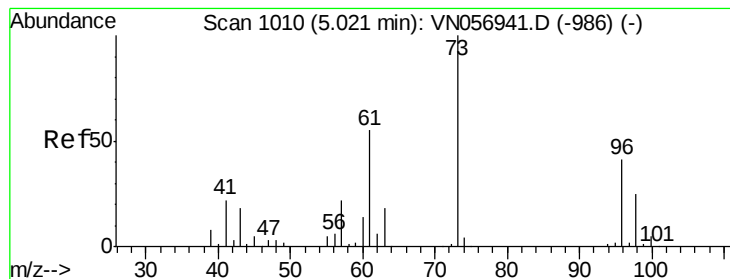
#20
Methylene Chloride
Concen: 4.977 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 84 Resp: 32180
Ion Ratio Lower Upper
84 100
49 114.5 95.2 142.8
51 33.2 29.7 44.5
86 68.3 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) (-)





#21

trans-1,2-Dichloroethene

Concen: 4.985 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

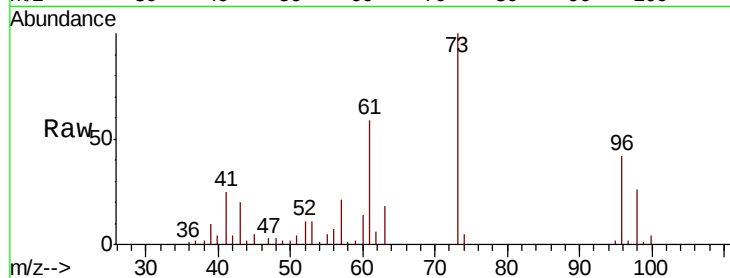
Tot Ion: 96 Resp: 28930

Ion Ratio Lower Upper

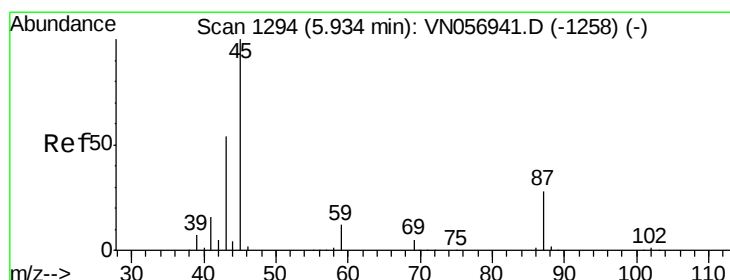
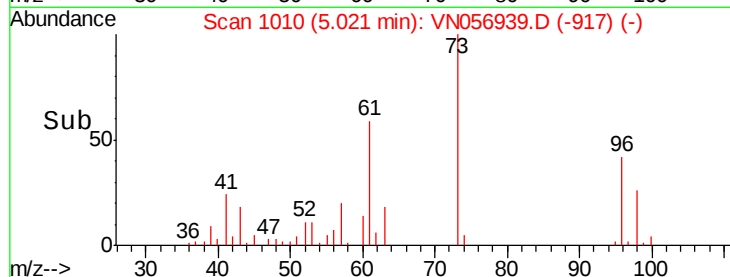
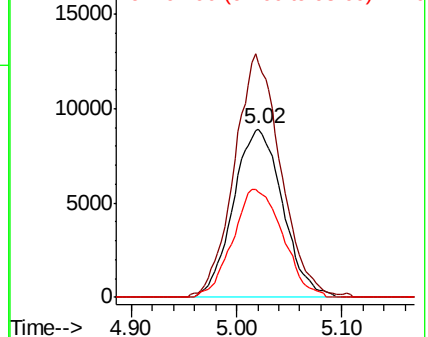
96 100

61 137.8 107.5 161.3

98 63.0 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: 4.974 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Tgt Ion: 45 Resp: 89041

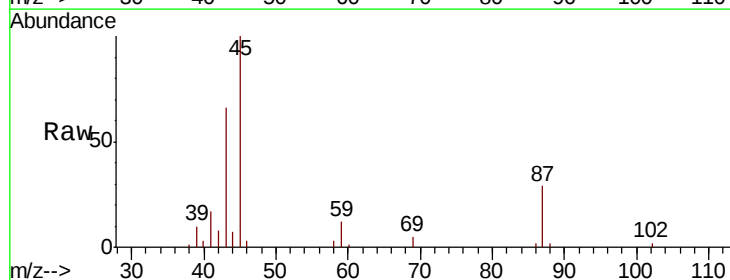
Ion Ratio Lower Upper

45 100

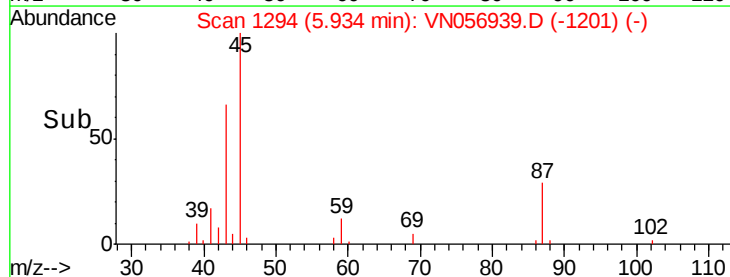
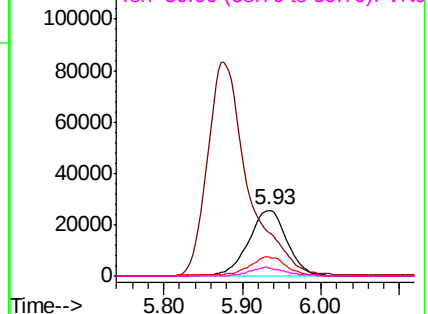
43 63.1 44.7 67.1

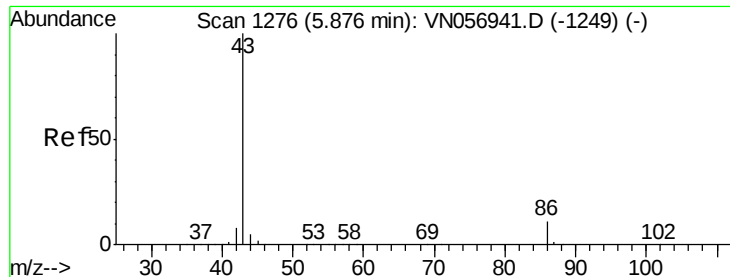
87 29.4 23.0 34.6

59 12.1 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

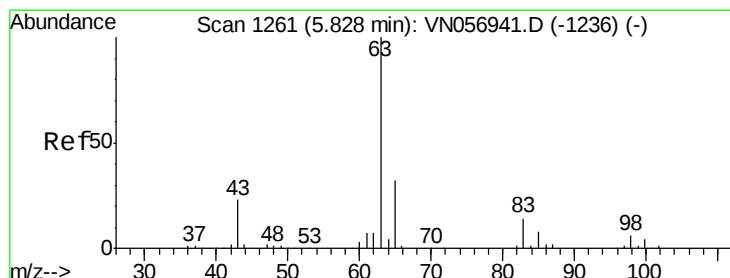
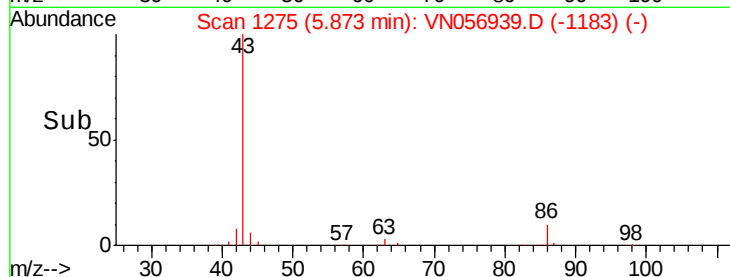
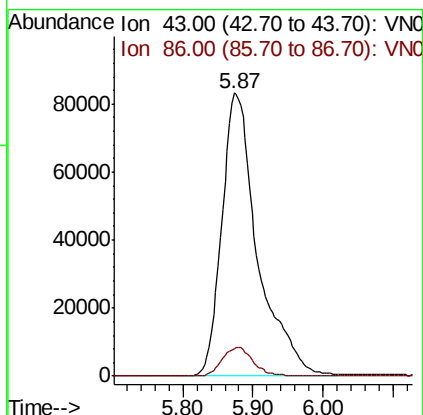
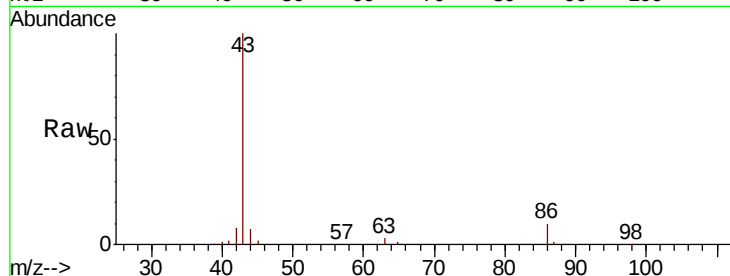




#23
 Vinyl Acetate
 Concen: 23.825 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

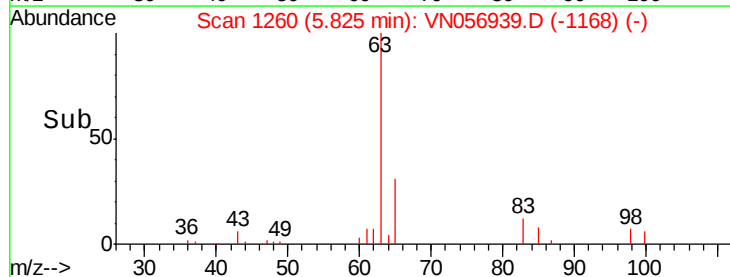
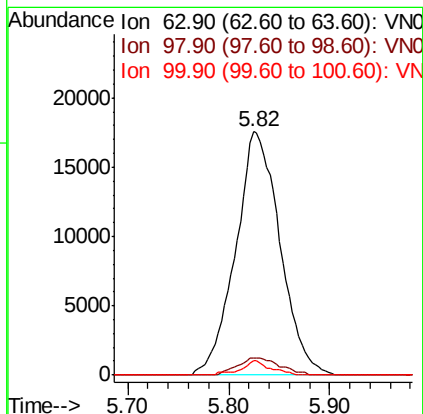
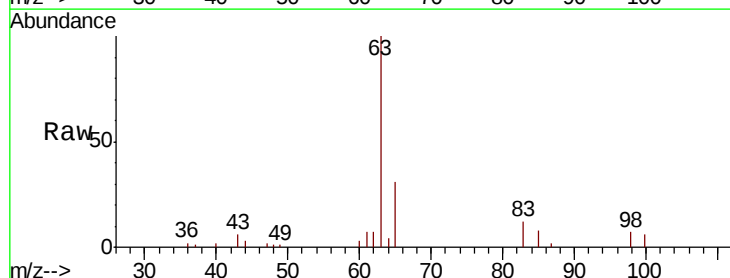
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

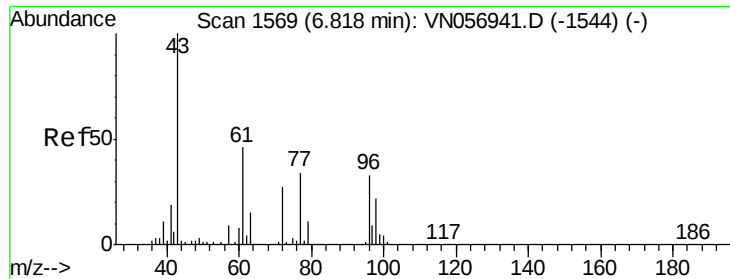
Tot Ion: 43 Resp: 295422
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 5.095 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 63 Resp: 53669
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.2 9.6
 100 5.8 2.1 6.3





#25

2-Butanone

Concen: 23.454 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

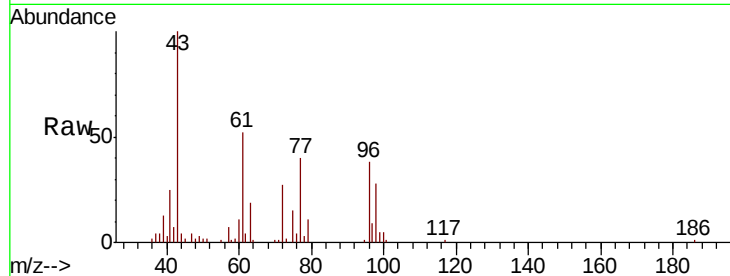
VSTDIC005

Tot Ion: 43 Resp: 75066

Ion Ratio Lower Upper

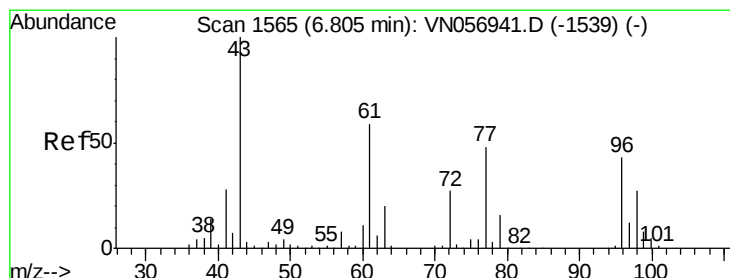
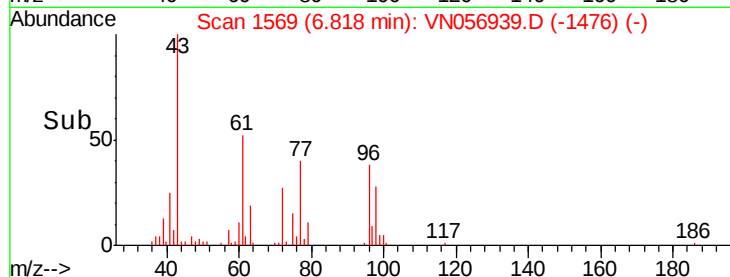
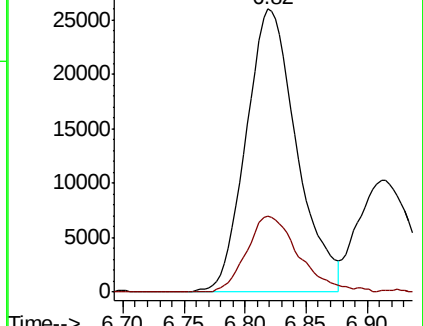
43 100

72 26.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN056939.D (-1476) (-)

Ion 72.00 (71.70 to 72.70): VN056939.D (-1476) (-)



#26

2,2-Dichloropropane

Concen: 5.020 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN056939.D

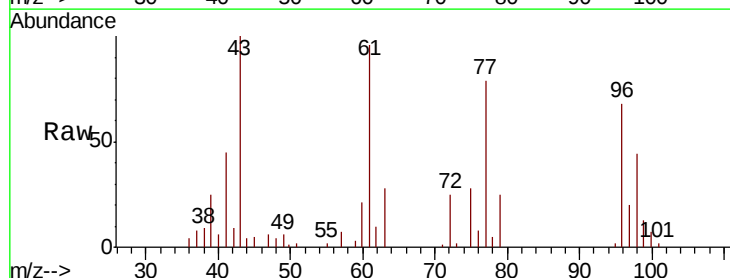
Acq: 26 Jul 2019 9:25

Tgt Ion: 77 Resp: 38890

Ion Ratio Lower Upper

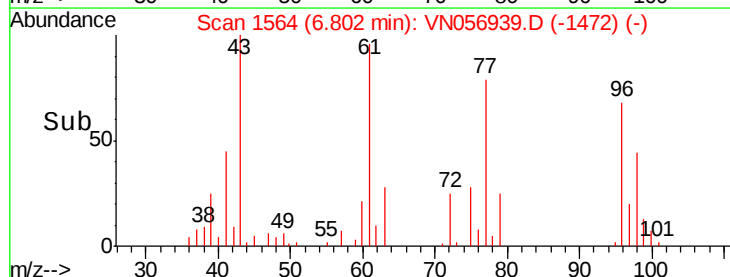
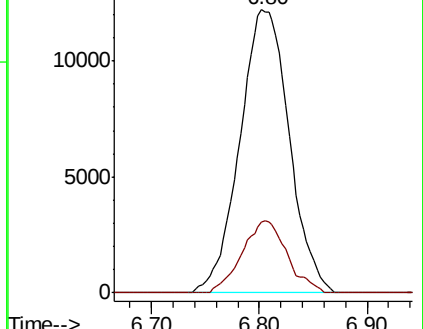
77 100

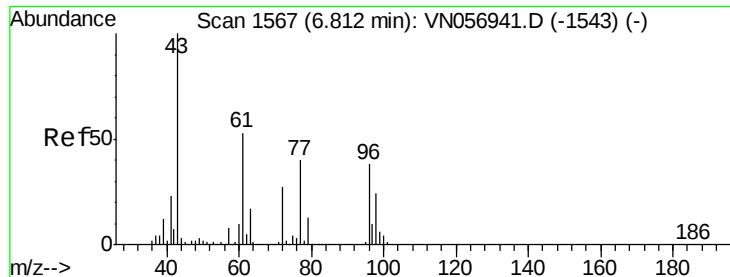
97 23.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN056939.D (-1472) (-)

Ion 96.90 (96.60 to 97.60): VN056939.D (-1472) (-)





#27

cis-1,2-Dichloroethene

Concen: 4.875 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

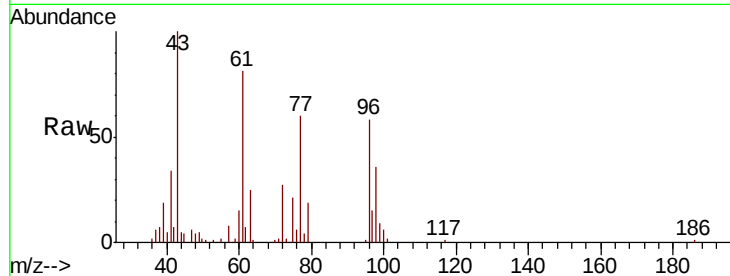
Tot Ion: 96 Resp: 32297

Ion Ratio Lower Upper

96 100

61 144.5 0.0 277.2

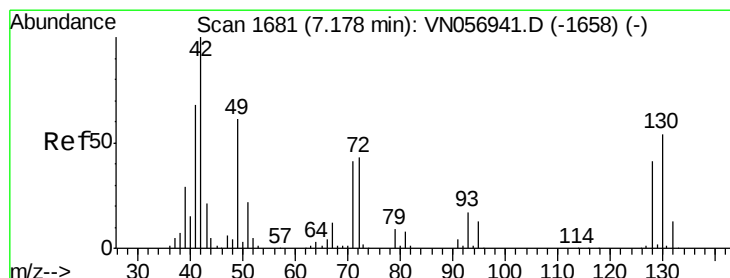
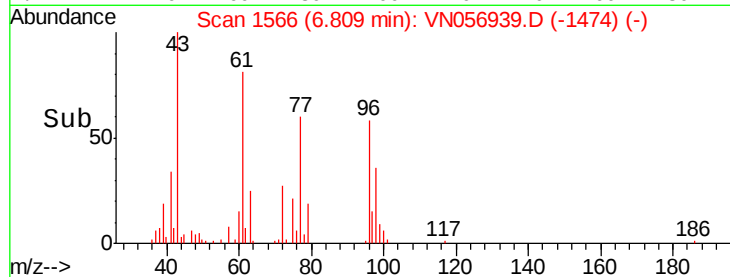
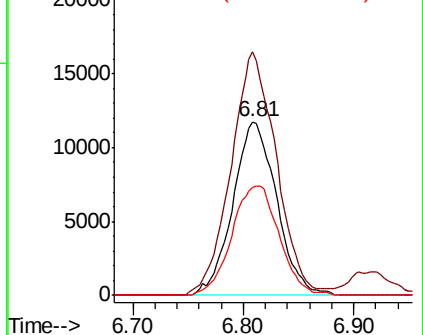
98 68.1 0.0 128.4



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: 5.277 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

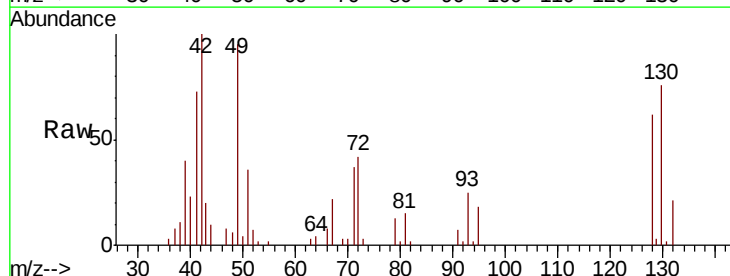
Tgt Ion: 49 Resp: 25511

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

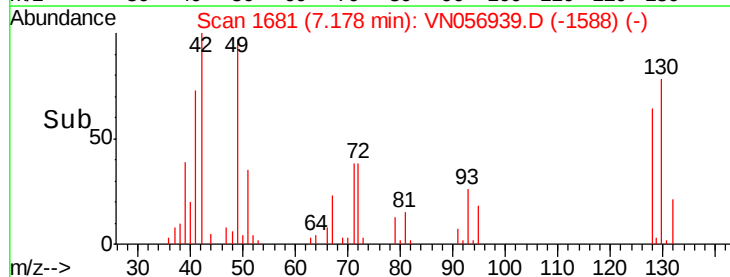
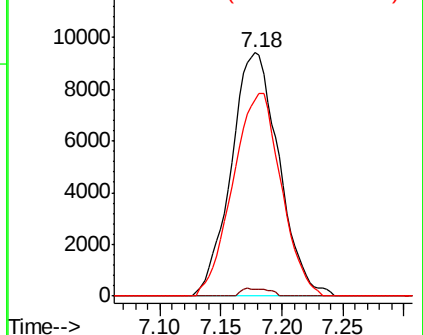
130 83.9 69.0 103.4

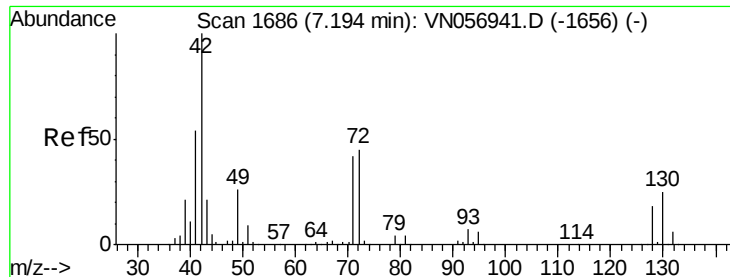


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 23.723 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

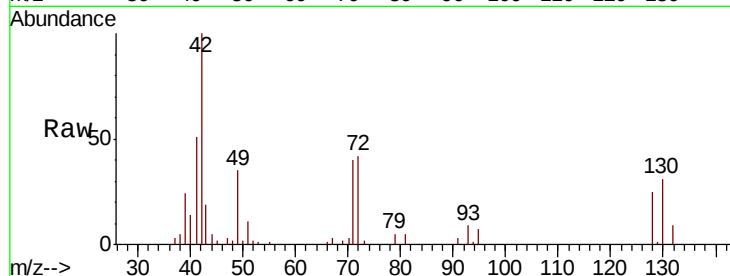
Tot Ion: 42 Resp: 49667

Ion Ratio Lower Upper

42 100

72 42.8 35.6 53.4

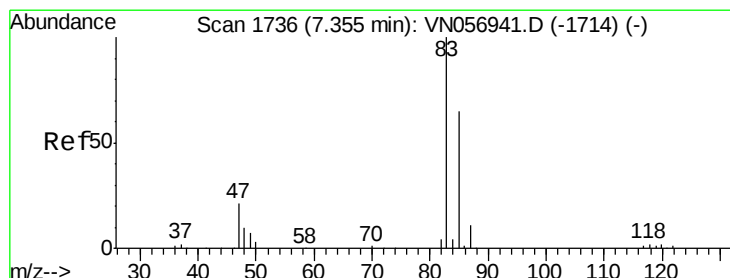
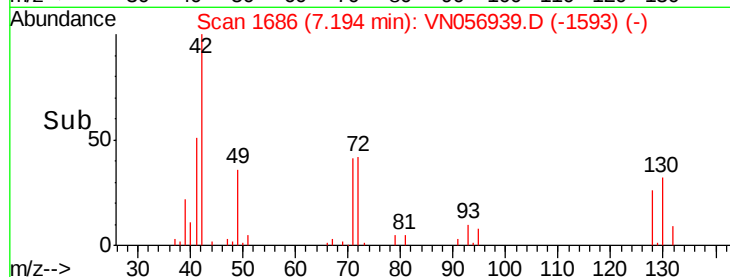
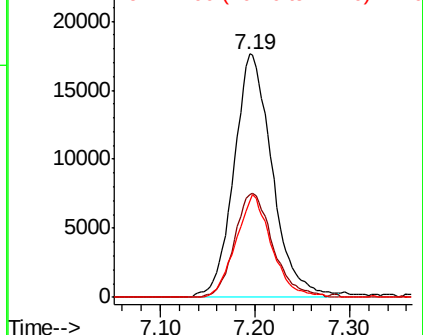
71 39.3 33.5 50.3



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: 5.028 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN056939.D

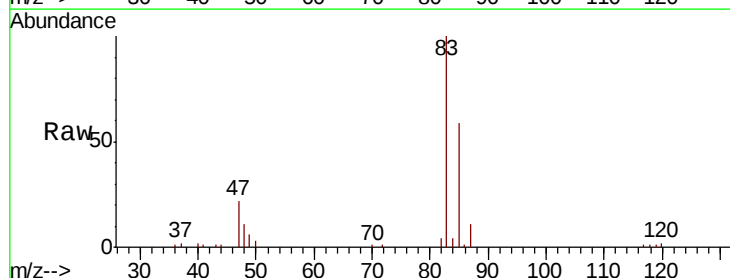
Acq: 26 Jul 2019 9:25

Tgt Ion: 83 Resp: 54532

Ion Ratio Lower Upper

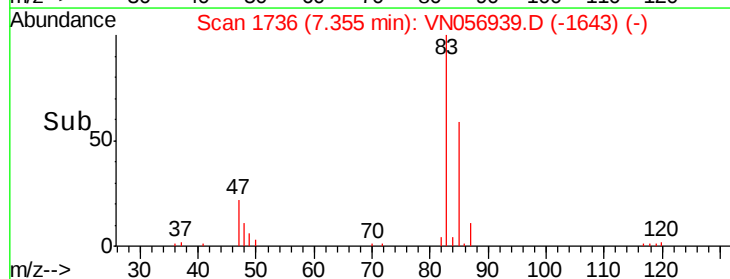
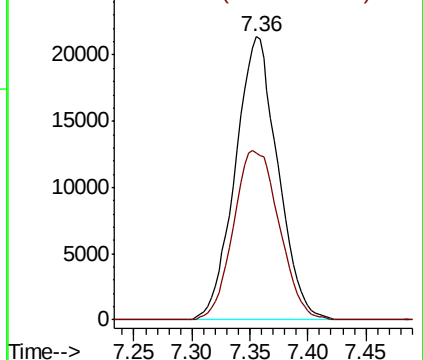
83 100

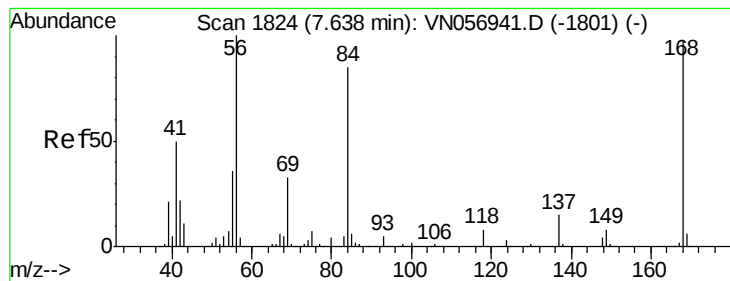
85 58.8 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 5.430 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

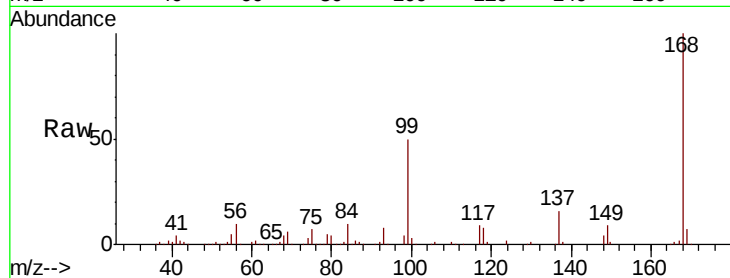
Tot Ion: 56 Resp: 55639

Ion Ratio Lower Upper

56 100

69 59.7 26.2 39.2#

84 101.4 68.2 102.2

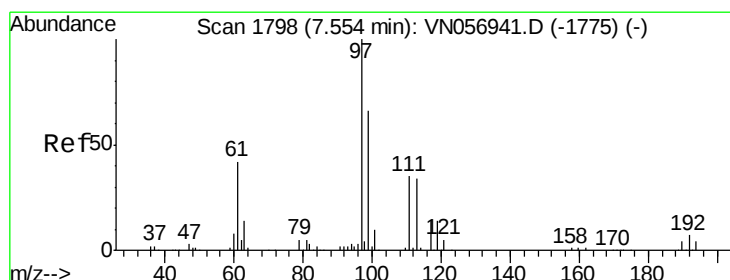
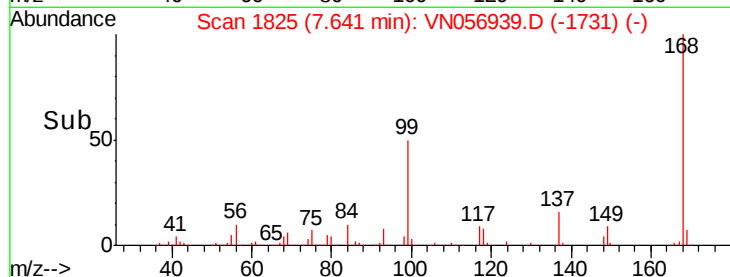
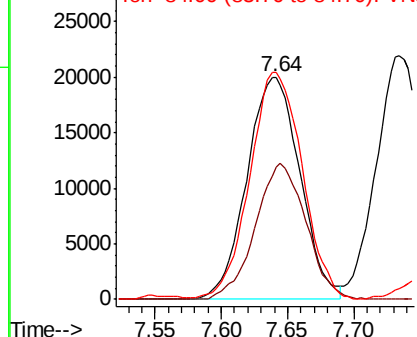


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 4.937 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

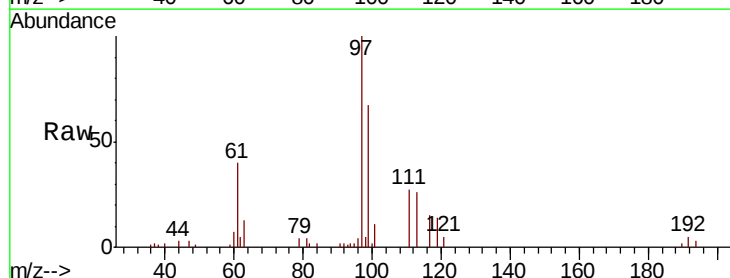
Tgt Ion: 97 Resp: 42796

Ion Ratio Lower Upper

97 100

99 66.3 52.3 78.5

61 42.6 33.9 50.9

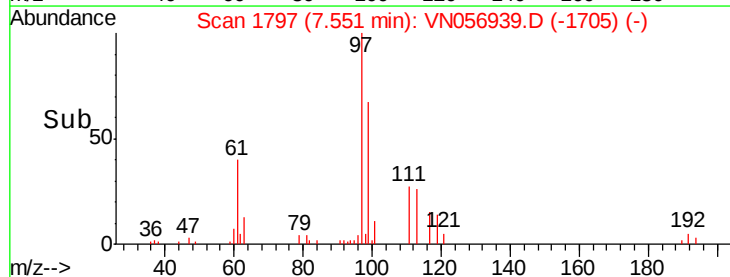
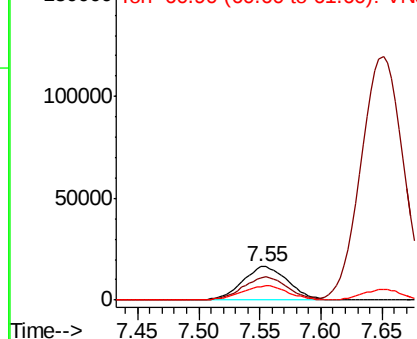


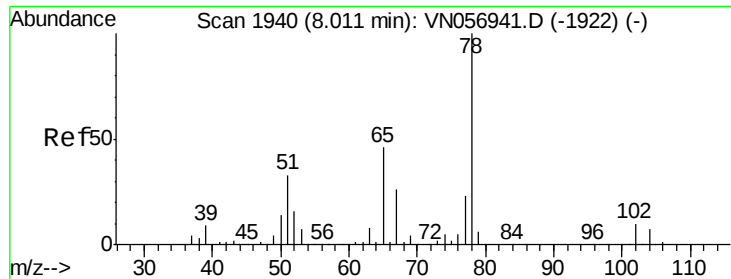
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

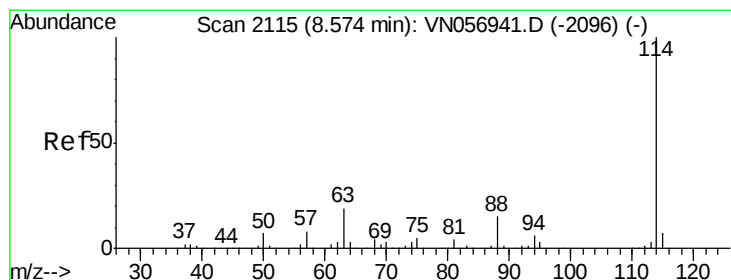
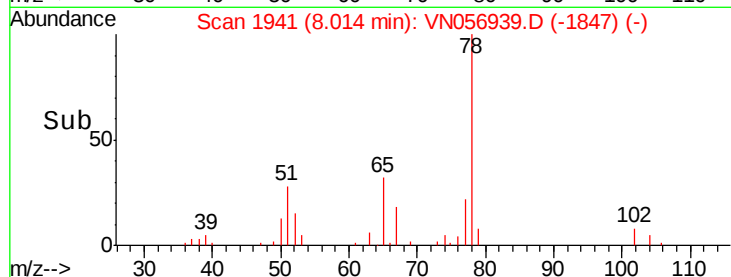
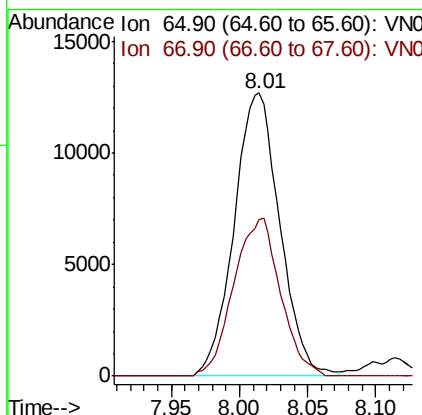
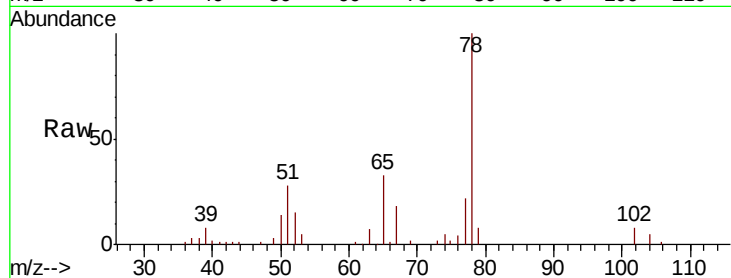




#33
 1,2-Dichloroethane-d4
 Concen: 4.881 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

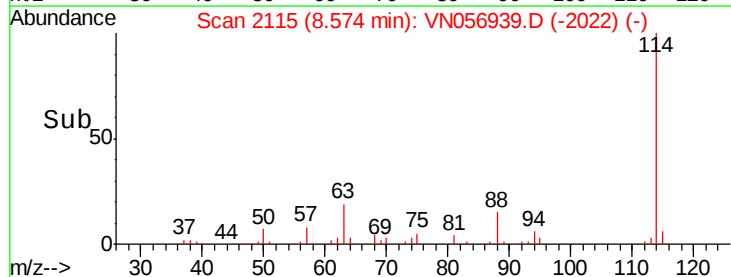
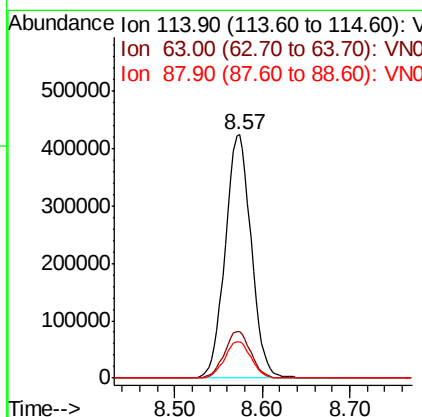
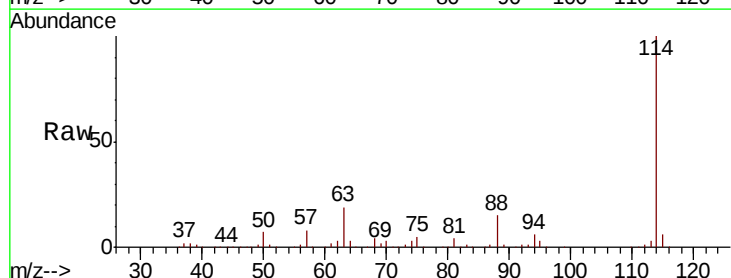
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

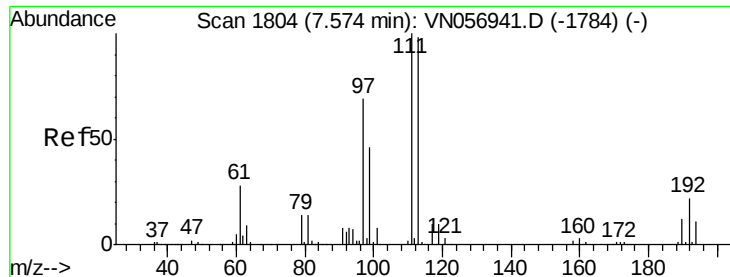
Tot Ion: 65 Resp: 29522
 Ion Ratio Lower Upper
 65 100
 67 57.0 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 114 Resp: 875008
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 4.919 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

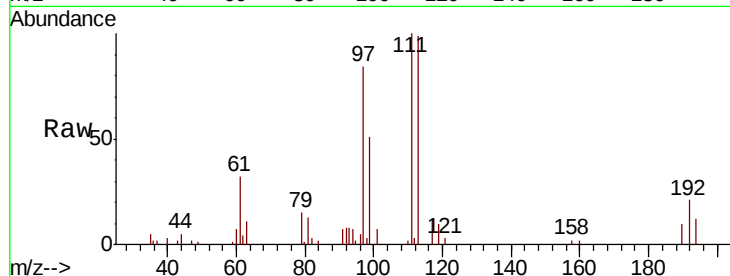
Tot Ion:113 Resp: 27294

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.0	123.0
192	22.3	18.4	27.6

113 100

111 103.9 82.0 123.0

192 22.3 18.4 27.6

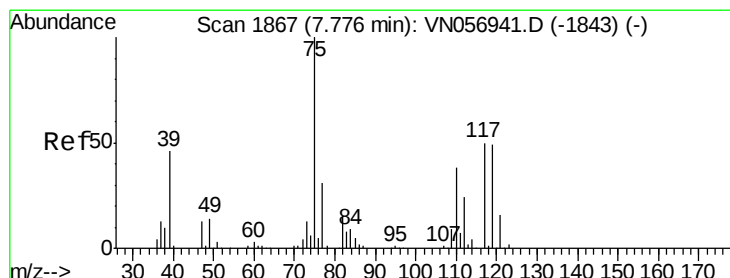
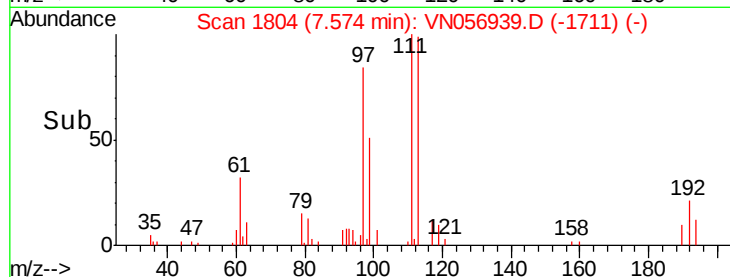
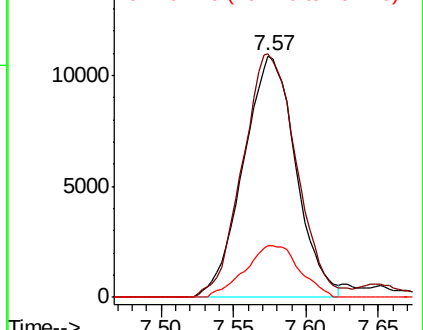


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.972 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

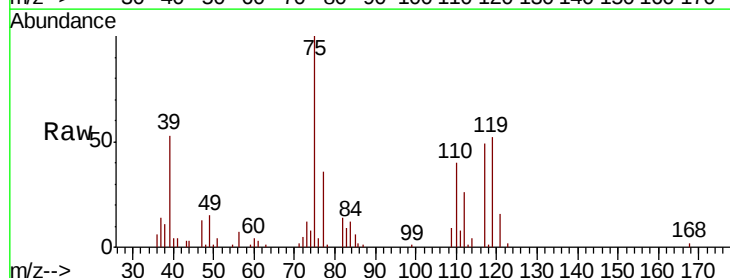
Tgt Ion: 75 Resp: 39265

Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.6	55.8
77	32.4	25.2	37.8

75 100

110 37.8 18.6 55.8

77 32.4 25.2 37.8

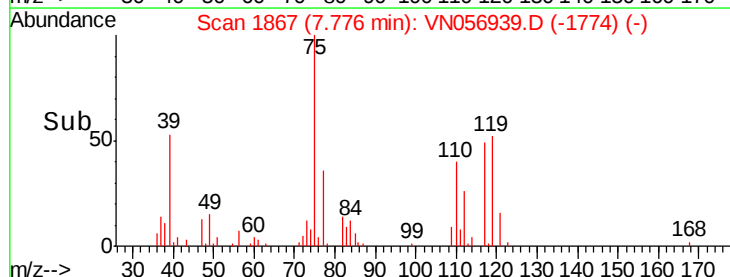
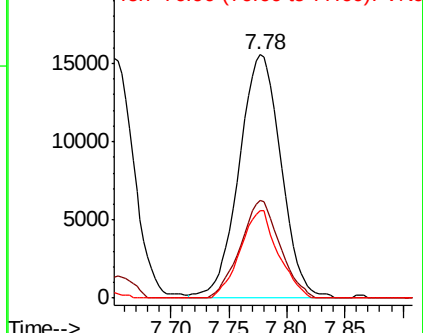


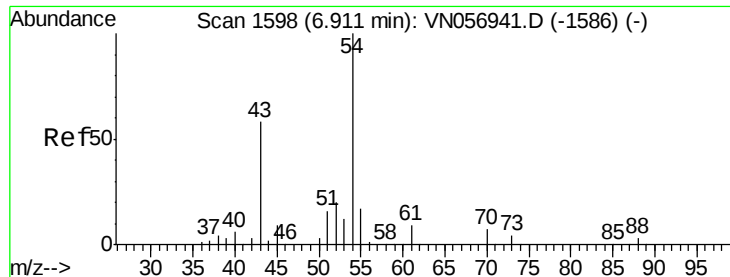
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

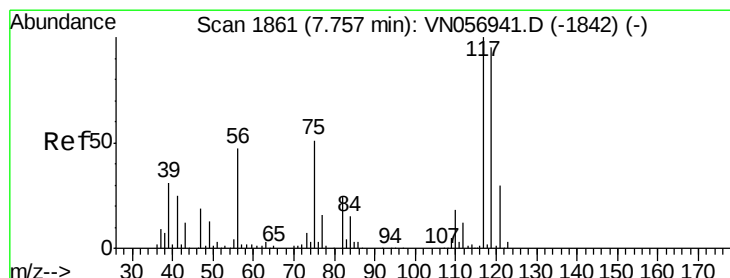
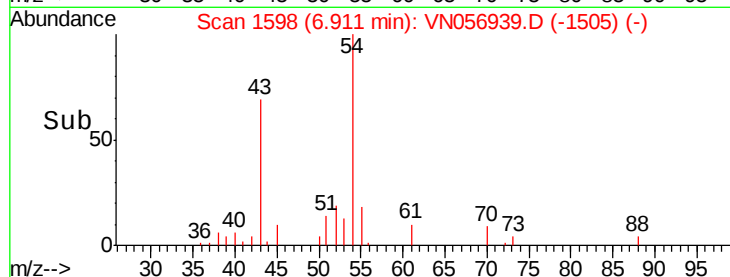
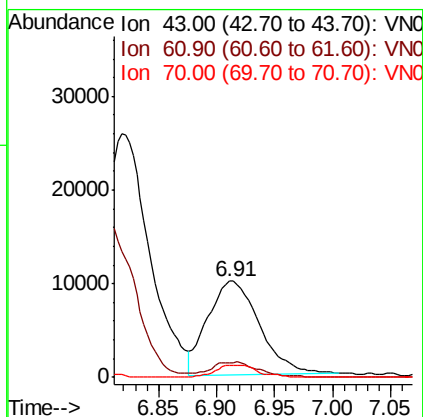
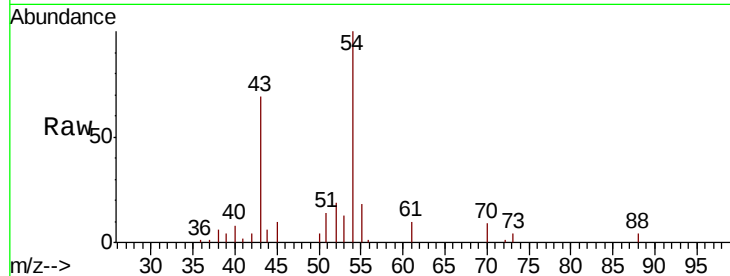




#37
Ethyl Acetate
Concen: 4.795 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

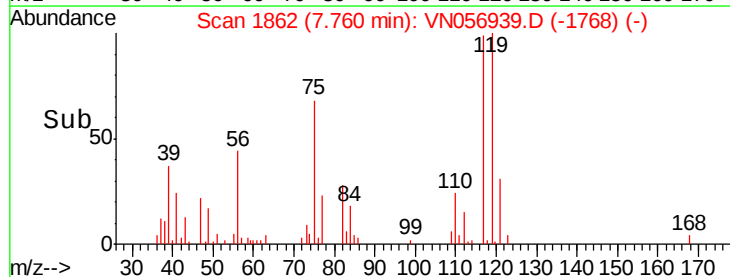
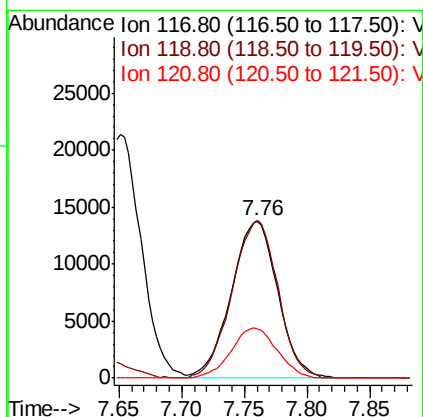
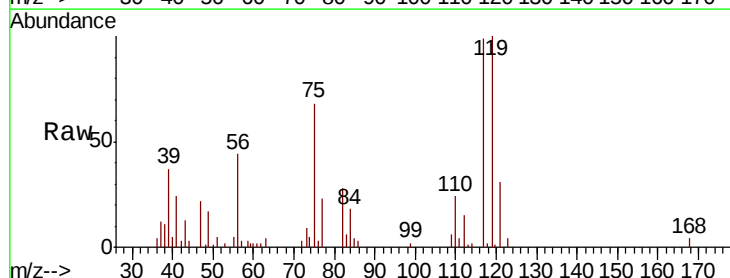
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

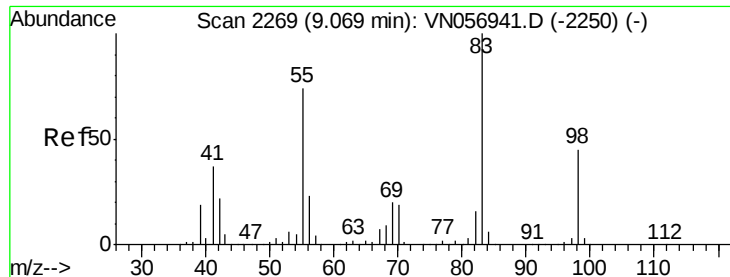
Tot Ion: 43 Resp: 31085
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 10.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 4.723 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 117 Resp: 35512
Ion Ratio Lower Upper
117 100
119 100.6 75.3 112.9
121 31.3 24.2 36.4

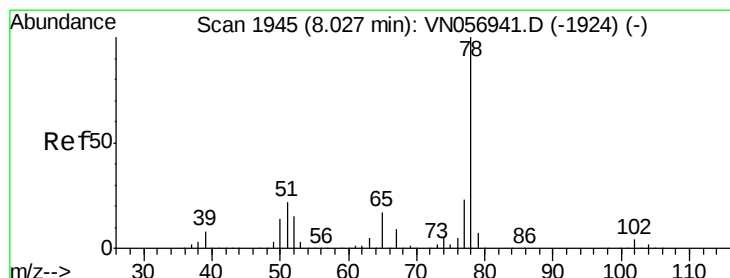
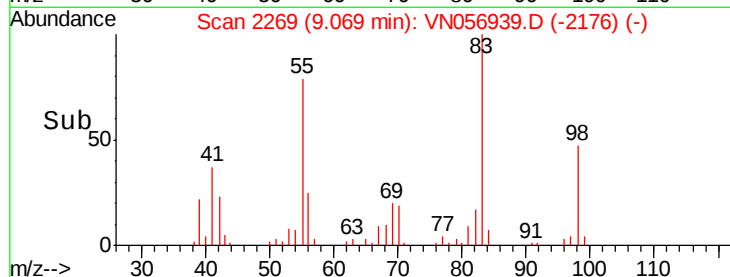
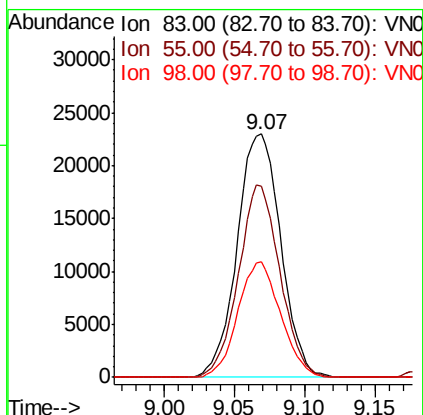
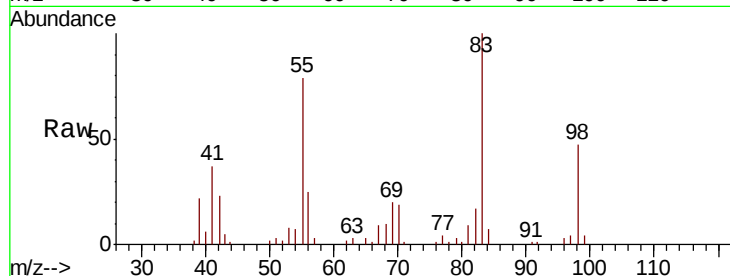




#39
Methvlcvclohexane
Concen: 5.166 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

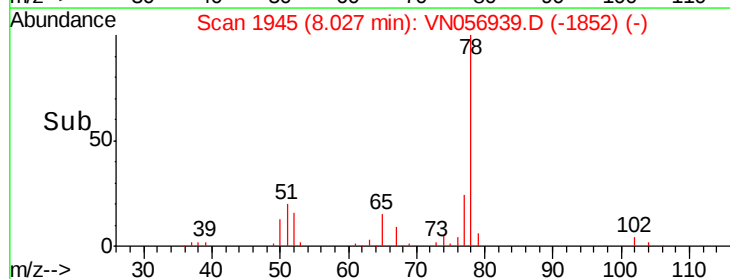
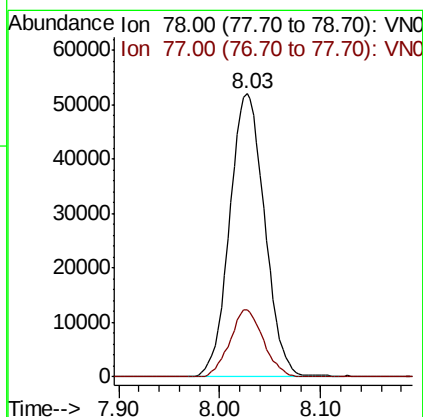
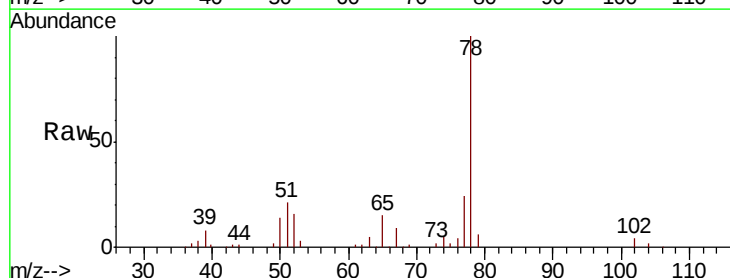
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

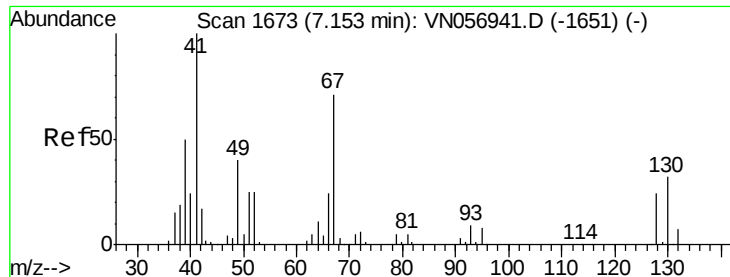
Tot Ion: 83 Resp: 49870
Ion Ratio Lower Upper
83 100
55 78.5 59.0 88.6
98 47.5 36.2 54.4



#40
Benzene
Concen: 5.115 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 78 Resp: 125466
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5

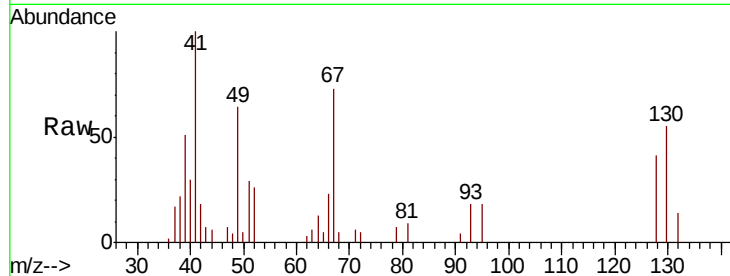




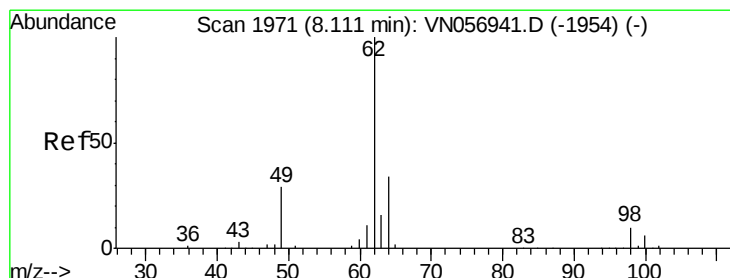
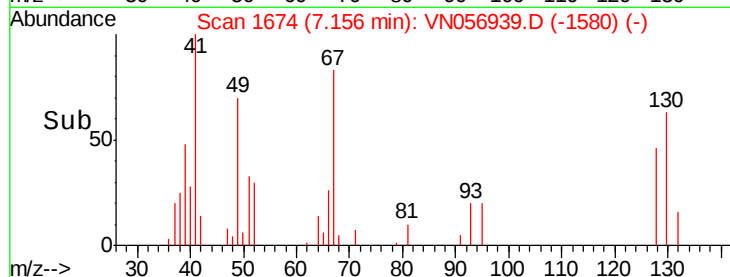
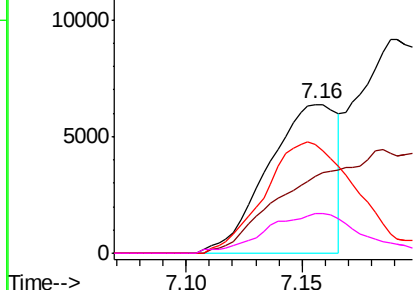
#41
Methacrylonitrile
Concen: 4.571 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 41 Resp: 13183
Ion Ratio Lower Upper
41 100
39 0.0 48.9 73.3#
67 101.9 83.4 125.0
52 37.2 30.9 46.3

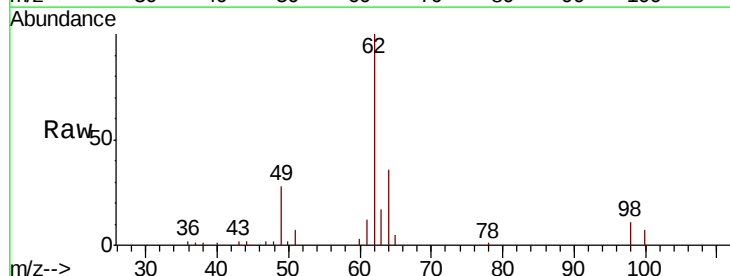


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

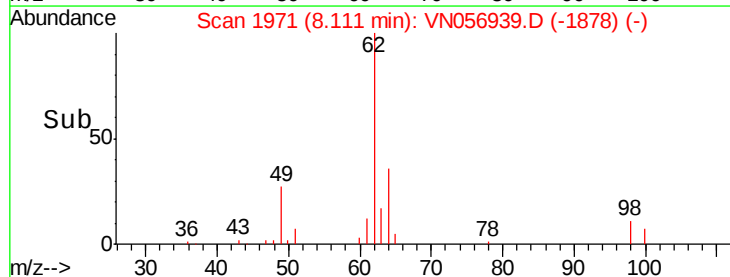
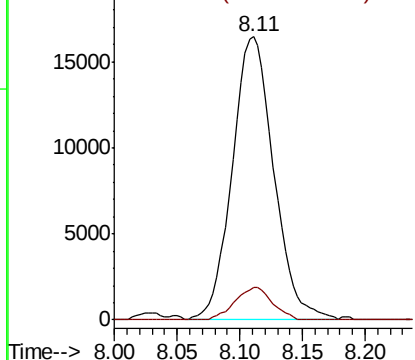


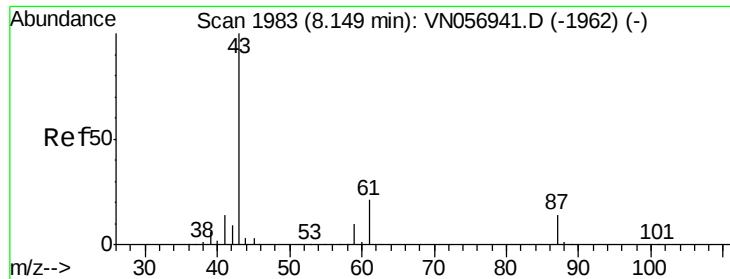
#42
1,2-Dichloroethane
Concen: 5.010 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 62 Resp: 37902
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 4.708 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

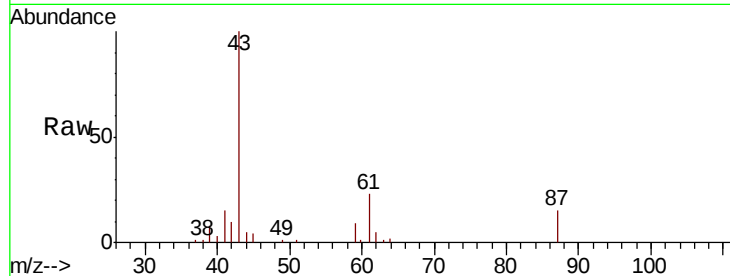
Tot Ion: 43 Resp: 49929

Ion Ratio Lower Upper

43 100

61 23.5 23.0 34.6

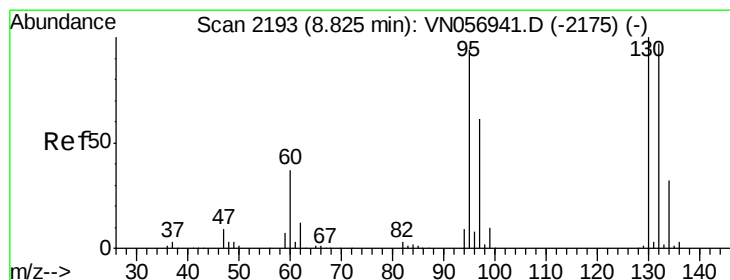
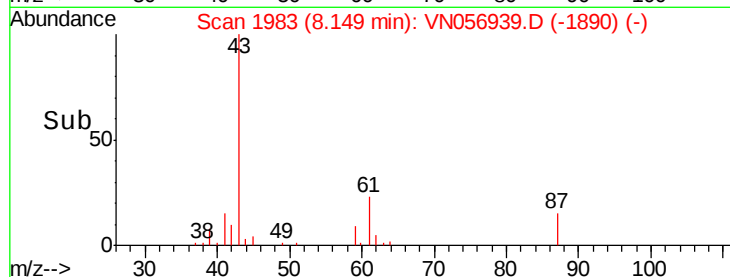
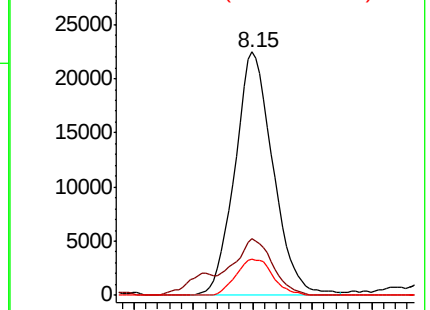
87 14.3 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056939.D (-2100) (-)

Ion 61.00 (60.70 to 61.70): VN056939.D (-2100) (-)

Ion 87.00 (86.70 to 87.70): VN056939.D (-2100) (-)



#44

Trichloroethene

Concen: 5.190 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN056939.D

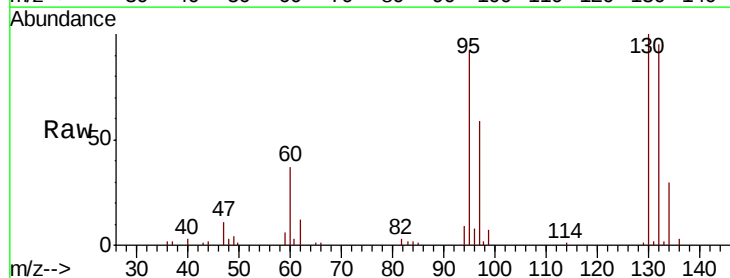
Acq: 26 Jul 2019 9:25

Tgt Ion: 130 Resp: 34603

Ion Ratio Lower Upper

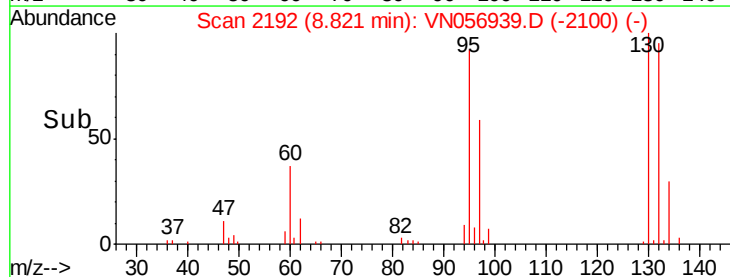
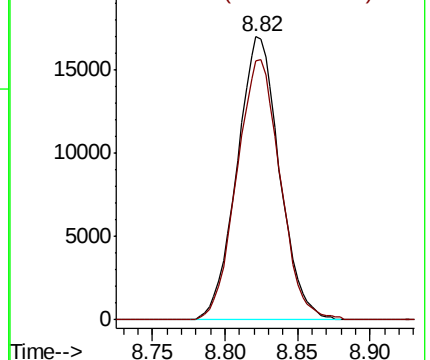
130 100

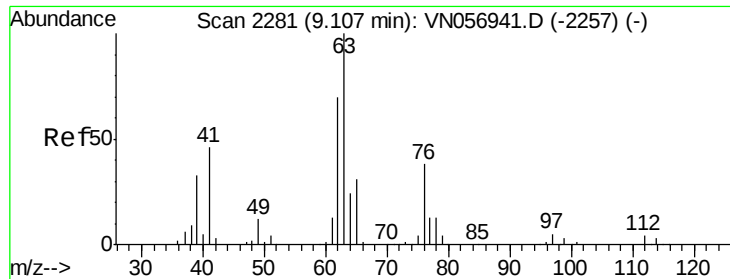
95 91.6 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056939.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN056939.D (-2100) (-)

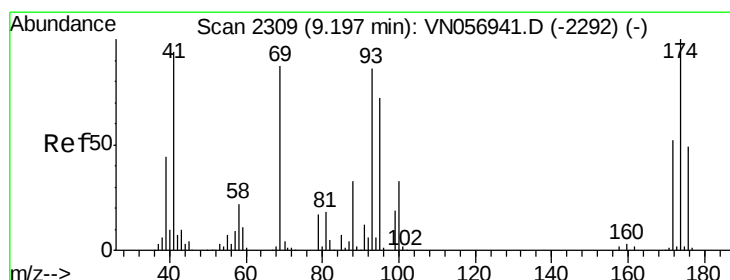
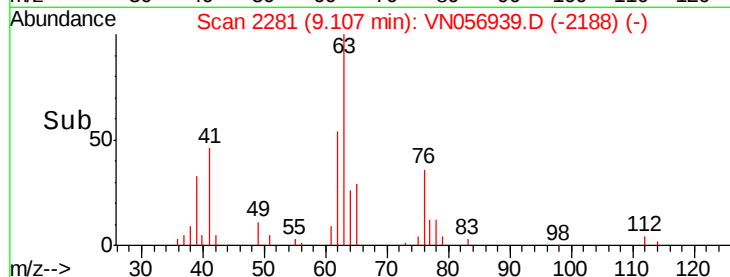
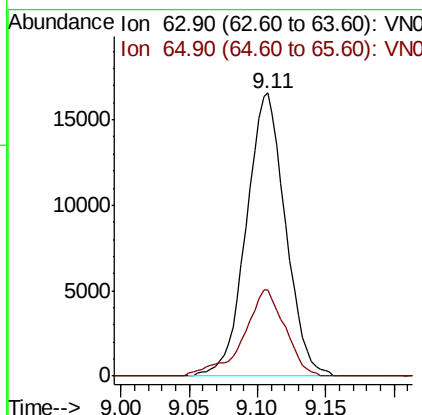
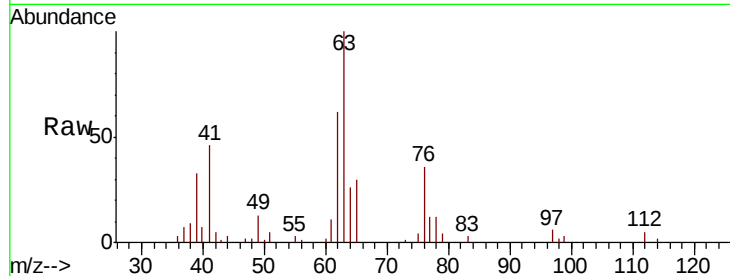




#45
 1,2-Dichloropropane
 Concen: 5.015 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

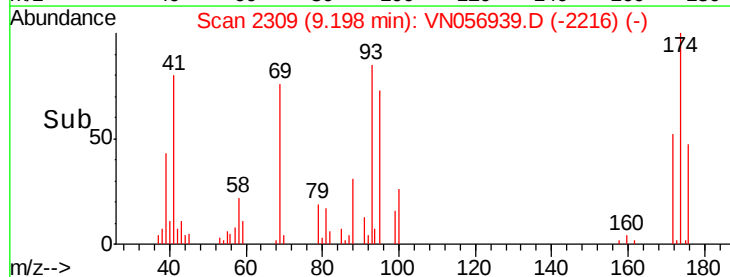
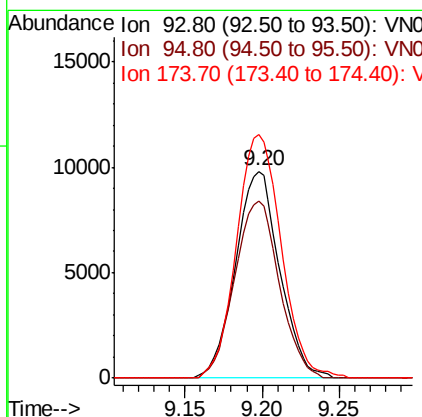
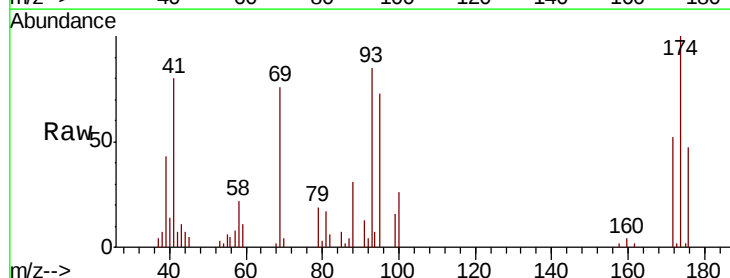
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

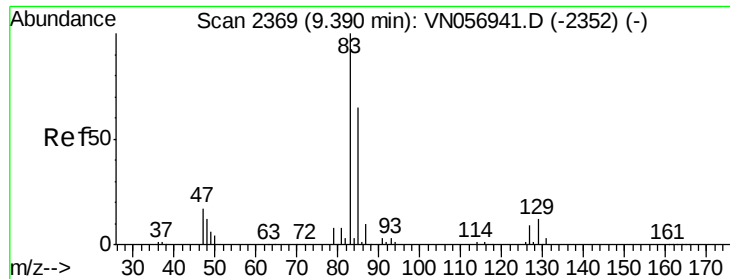
Tot Ion: 63 Resp: 32980
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.8 37.2



#46
 Dibromomethane
 Concen: 4.901 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 93 Resp: 19465
 Ion Ratio Lower Upper
 93 100
 95 86.5 67.0 100.6
 174 119.4 92.7 139.1





#47

Bromodichloromethane

Concen: 4.812 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

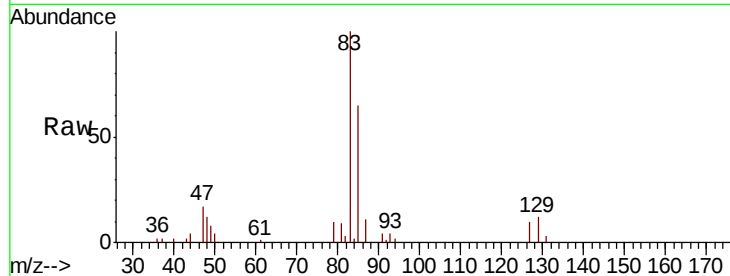
Tot Ion: 83 Resp: 37359

Ion Ratio Lower Upper

83 100

85 65.0 51.6 77.4

127 9.6 7.3 10.9

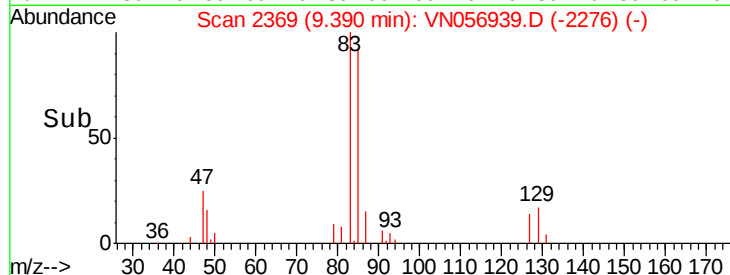


Abundance Ion 82.90 (82.60 to 83.60): VN056939.D (-2276) (-)

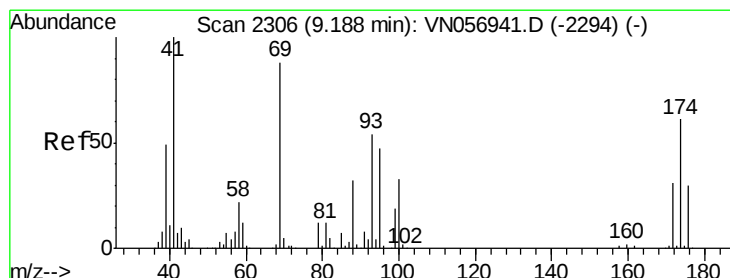
Ion 84.90 (84.60 to 85.60): VN056939.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN056939.D (-2276) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 4.566 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

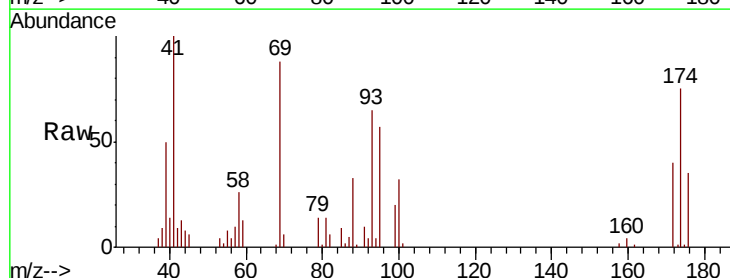
Tgt Ion: 41 Resp: 23125

Ion Ratio Lower Upper

41 100

69 91.0 73.4 110.0

39 52.7 39.9 59.9

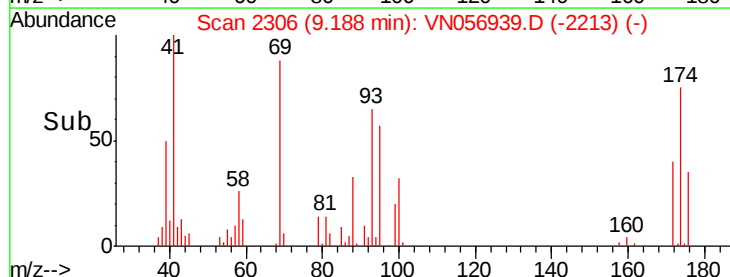


Abundance Ion 41.00 (40.70 to 41.70): VN056939.D (-2213) (-)

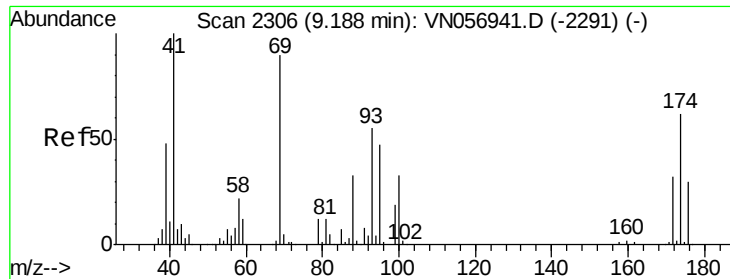
Ion 69.00 (68.70 to 69.70): VN056939.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN056939.D (-2213) (-)

Time-->



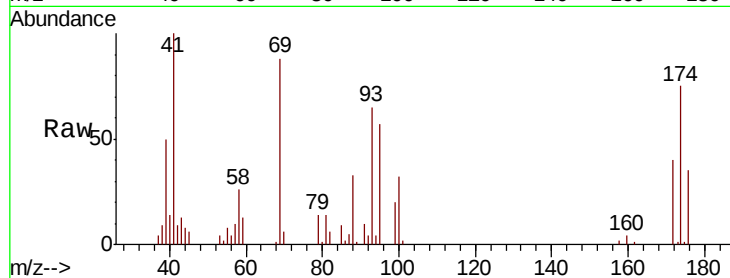
Time-->



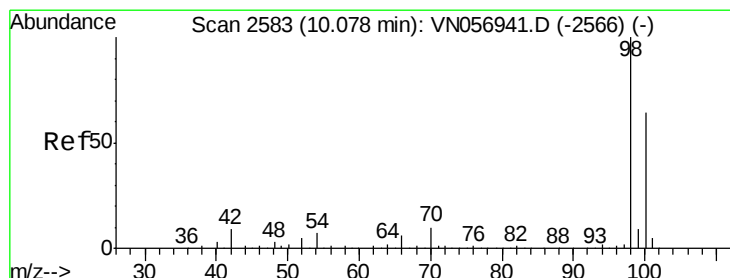
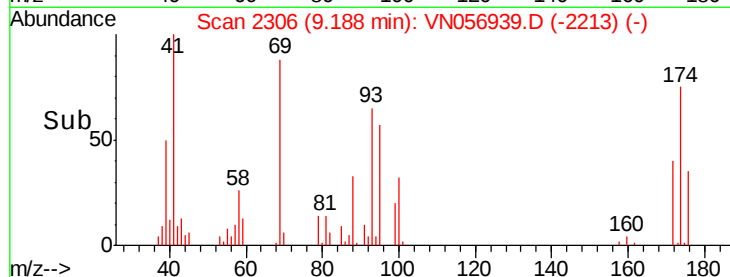
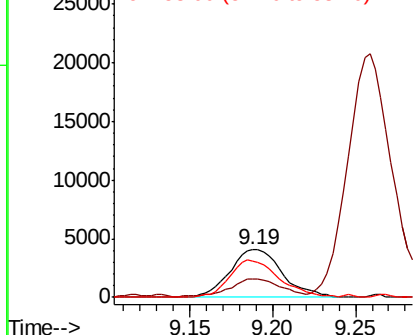
#49
 1,4-Dioxane
 Concen: 84.952 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 8903
 Ion Ratio Lower Upper
 88 100
 43 38.6 22.2 33.2#
 58 75.5 54.1 81.1

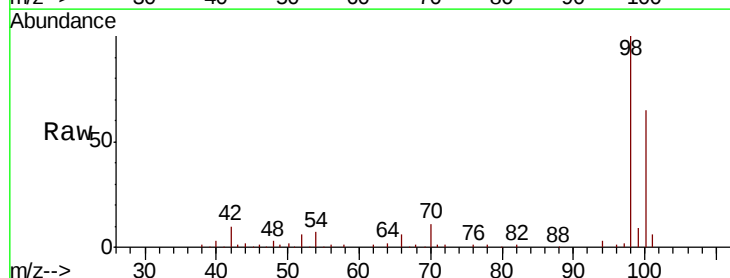


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

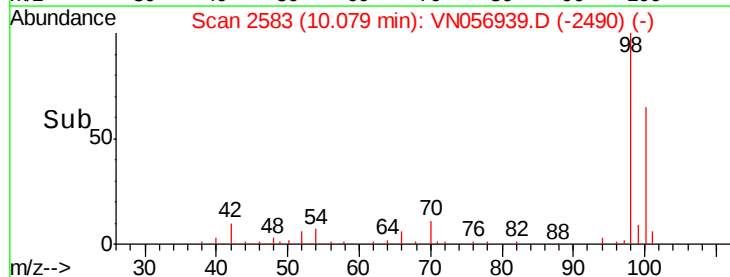
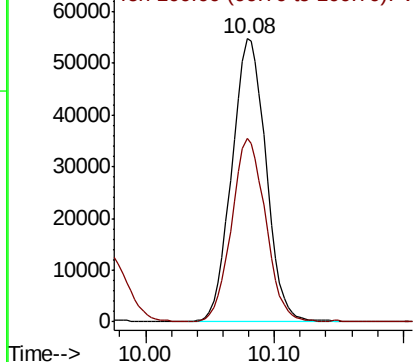


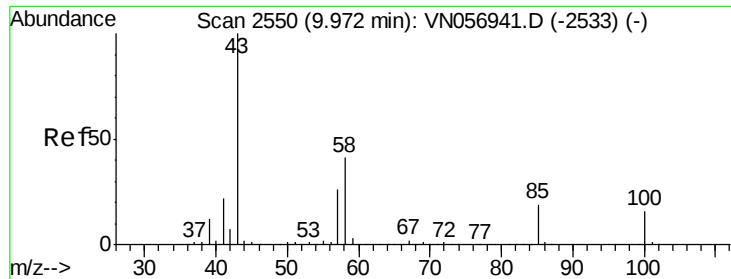
#50
 Toluene-d8
 Concen: 4.788 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 98 Resp: 100937
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.3 76.9



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

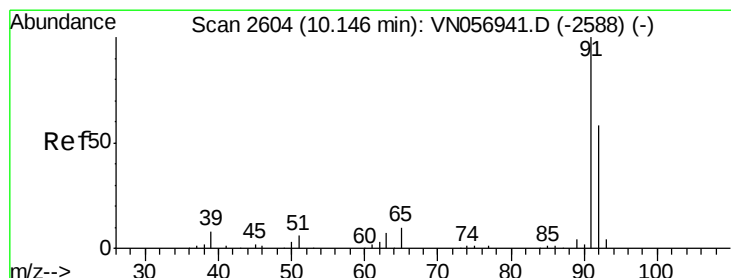
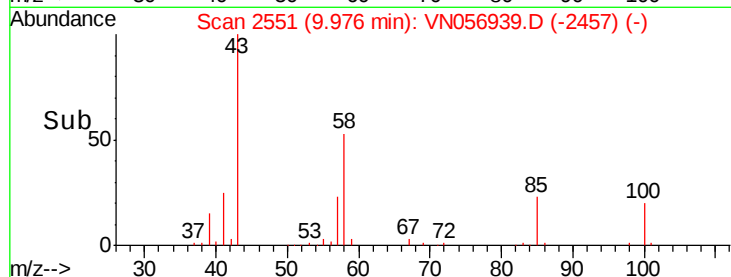
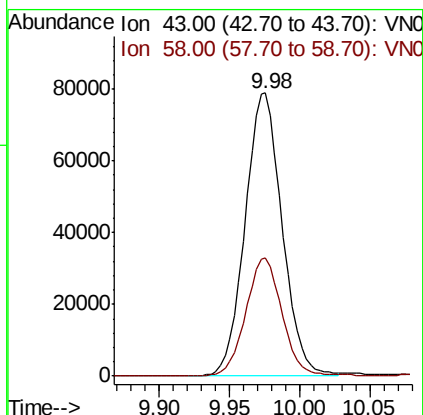
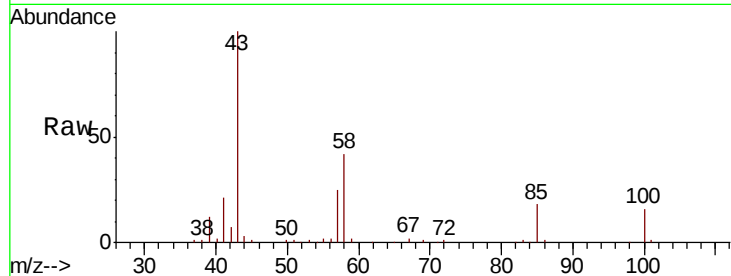




#51
4-Methyl-2-Pentanone
Concen: 23.072 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

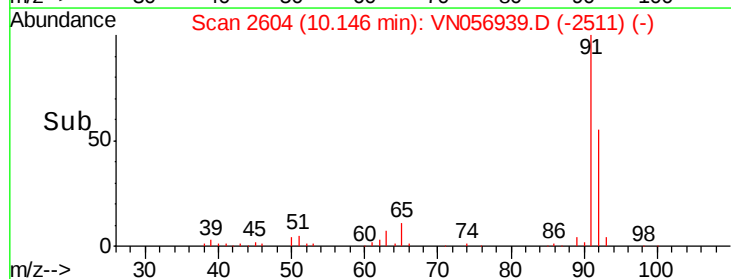
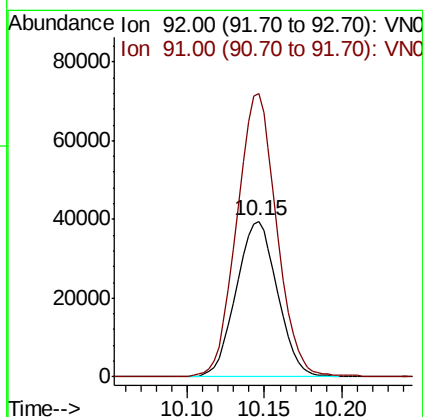
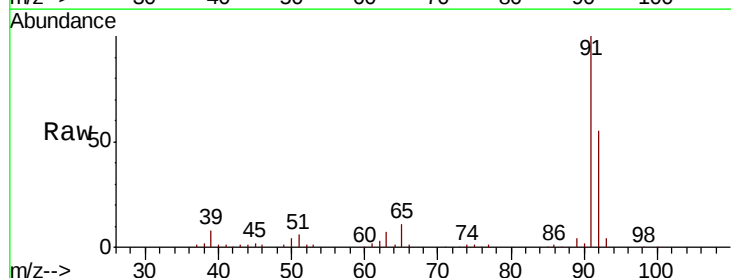
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

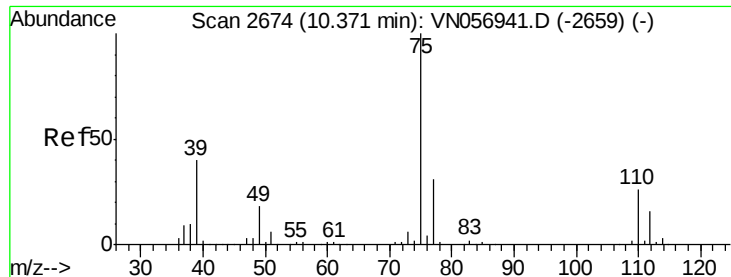
Tot Ion: 43 Resp: 145481
Ion Ratio Lower Upper
43 100
58 41.0 33.1 49.7



#52
Toluene
Concen: 4.982 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 92 Resp: 73098
Ion Ratio Lower Upper
92 100
91 177.2 138.0 207.0

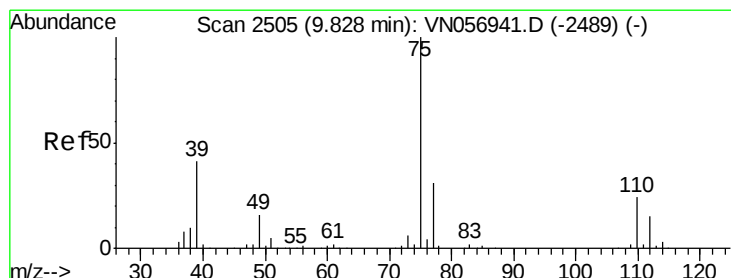
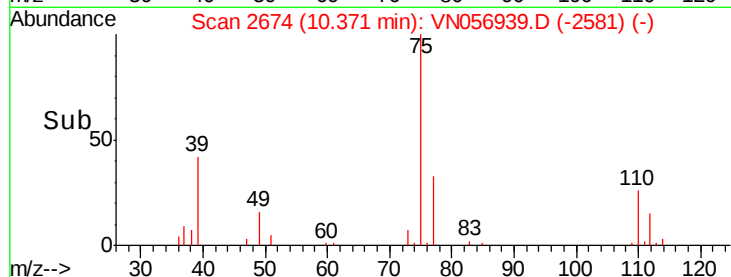
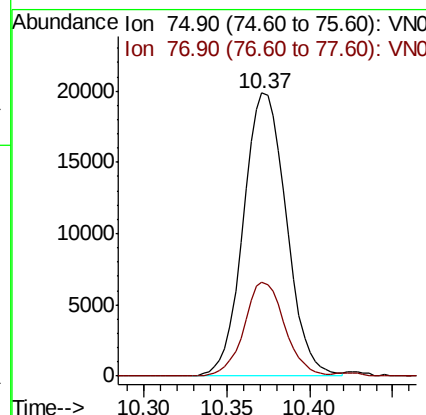
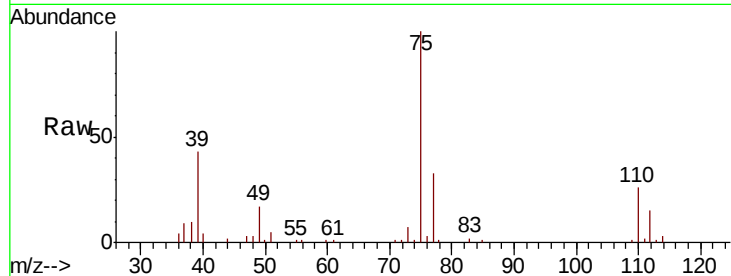




#53
 t-1,3-Dichloropropene
 Concen: 4.582 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

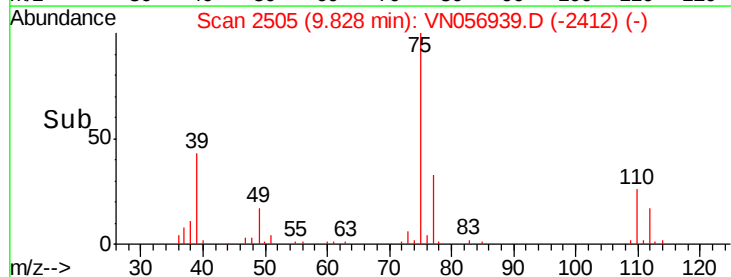
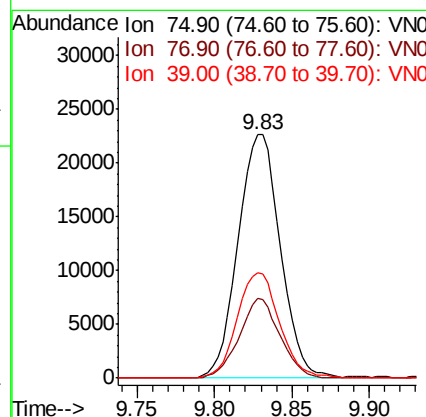
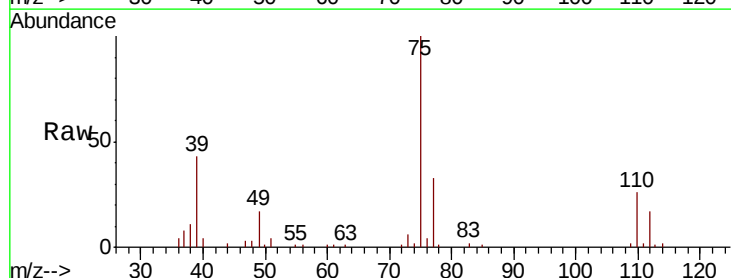
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

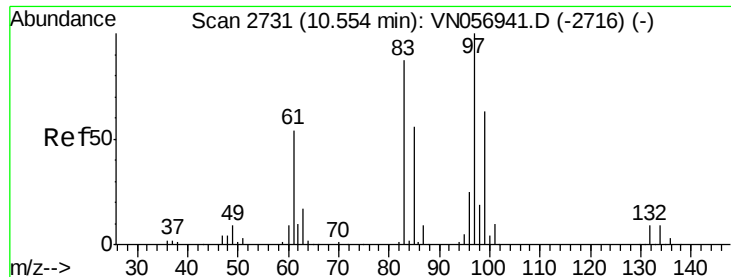
Tot Ion: 75 Resp: 35966
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 4.675 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 75 Resp: 43045
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.0 37.6
 39 43.4 32.6 49.0

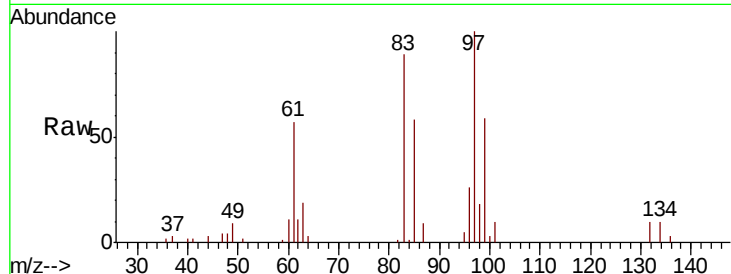




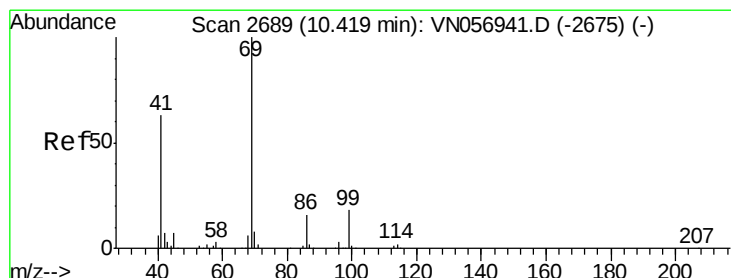
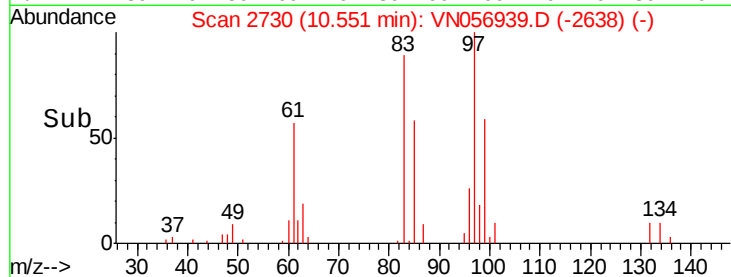
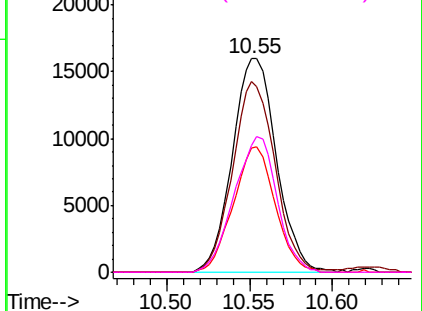
#55
 1,1,2-Trichloroethane
 Concen: 5.013 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 97 Resp: 29612
 Ion Ratio Lower Upper
 97 100
 83 89.0 69.4 104.0
 85 58.3 44.7 67.1
 99 59.3 50.1 75.1

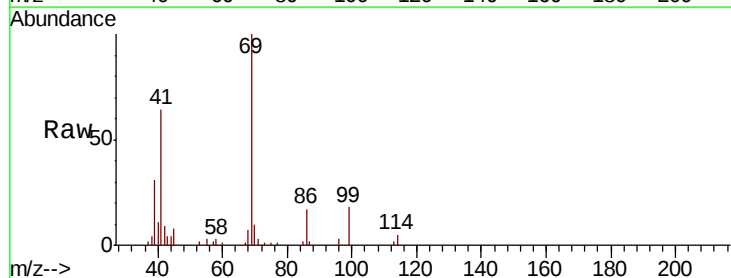


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

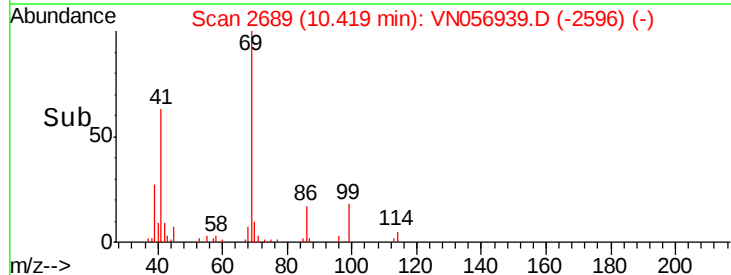
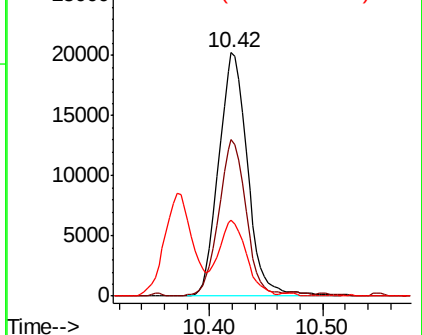


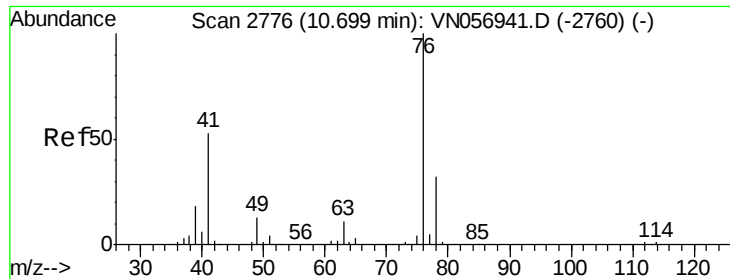
#56
 Ethyl methacrylate
 Concen: 4.509 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 69 Resp: 35944
 Ion Ratio Lower Upper
 69 100
 41 61.0 49.2 73.8
 39 29.4 23.1 34.7



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

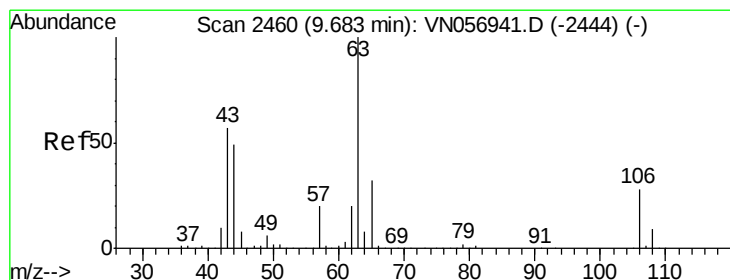
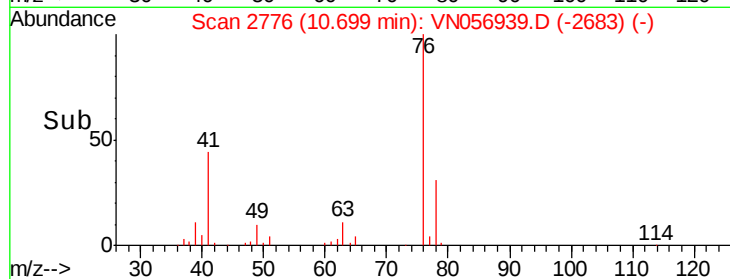
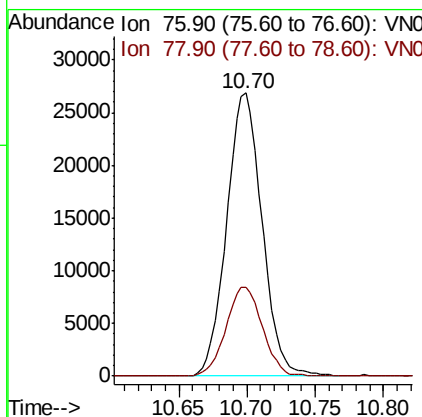
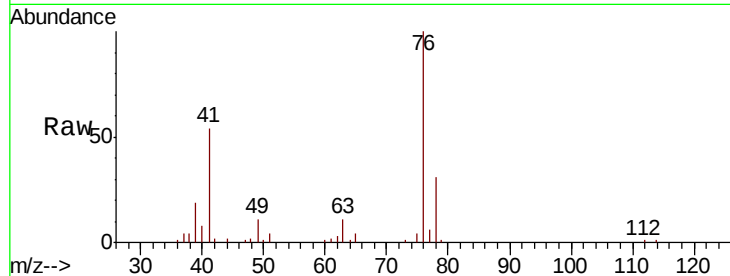




#57
 1,3-Dichloropropane
 Concen: 5.027 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

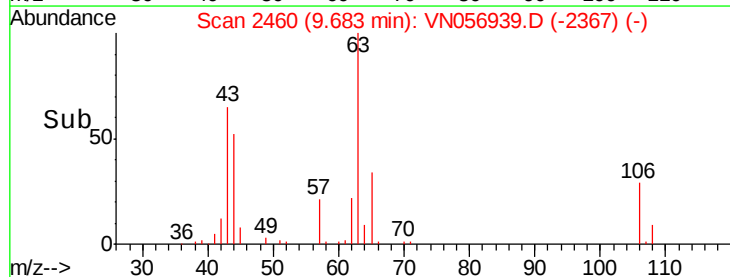
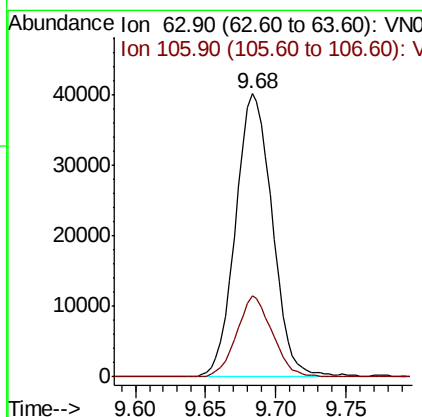
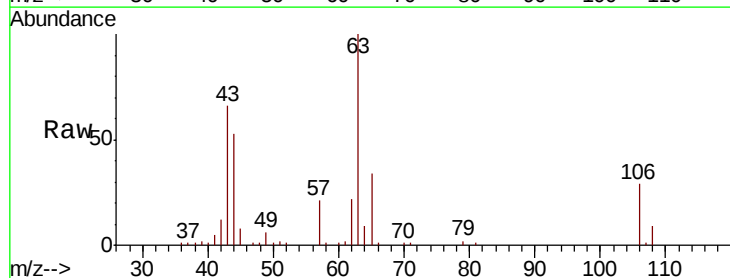
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

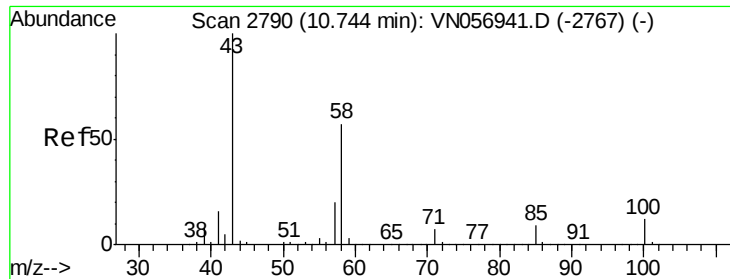
Tot Ion: 76 Resp: 48520
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.200 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 63 Resp: 73435
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.0 33.0

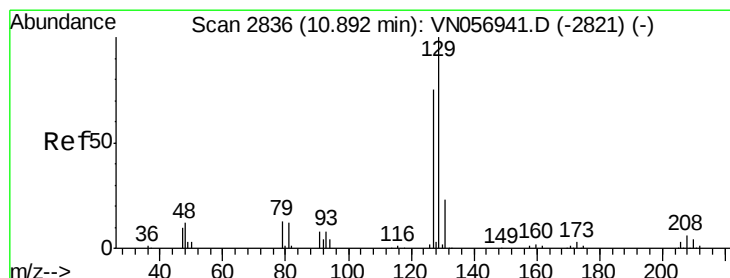
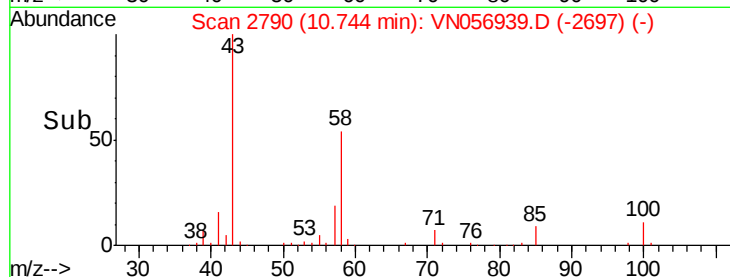
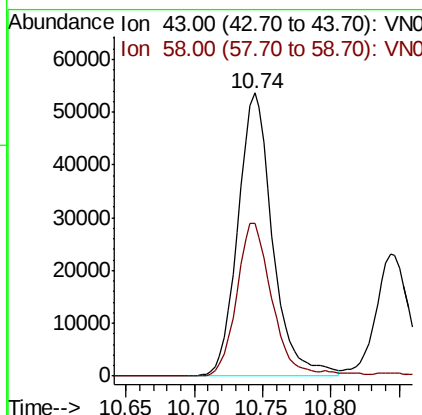
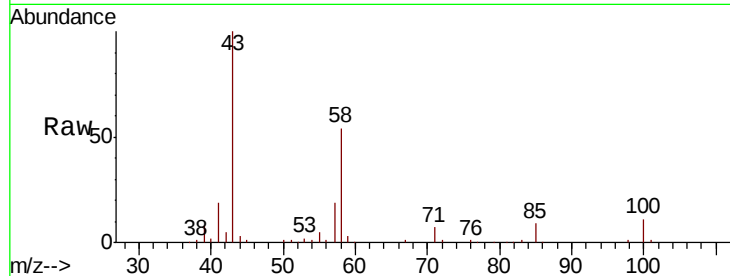




#59
2-Hexanone
Concen: 21.826 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

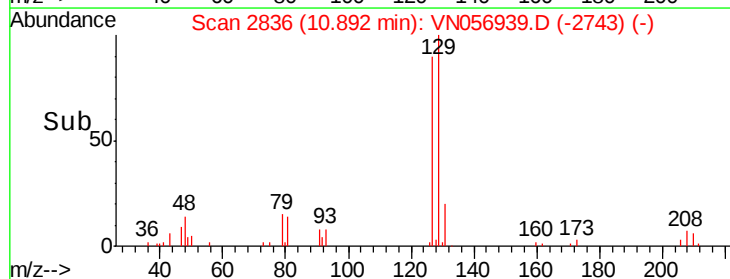
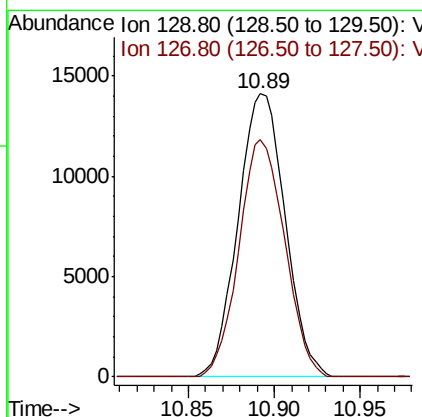
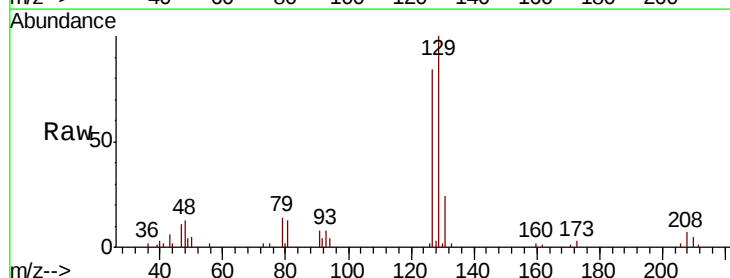
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

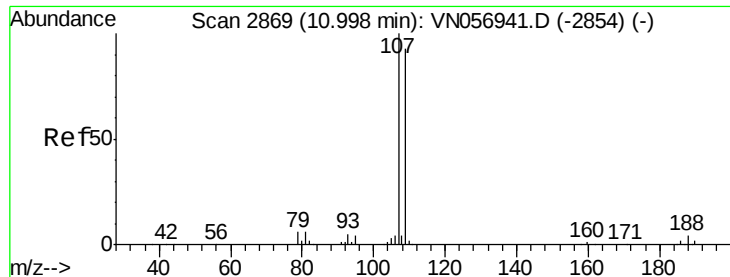
Tot Ion: 43 Resp: 94554
Ion Ratio Lower Upper
43 100
58 55.6 28.5 85.5



#60
Dibromochloromethane
Concen: 4.449 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 129 Resp: 26816
Ion Ratio Lower Upper
129 100
127 81.3 38.0 113.9

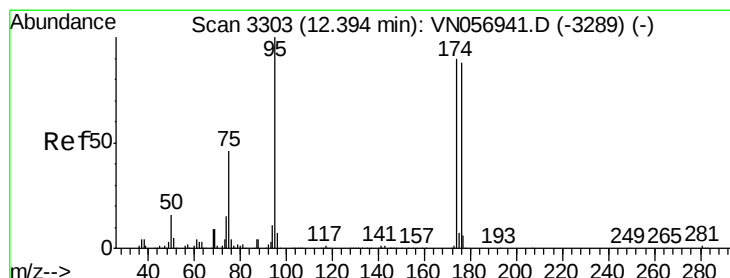
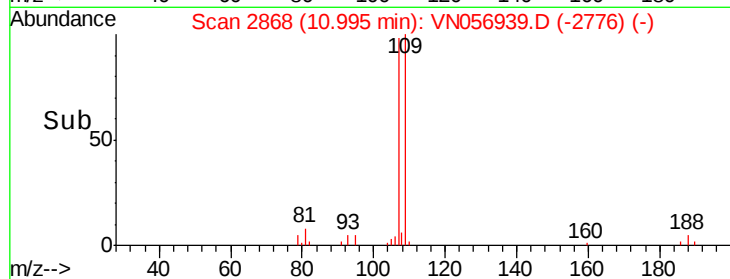
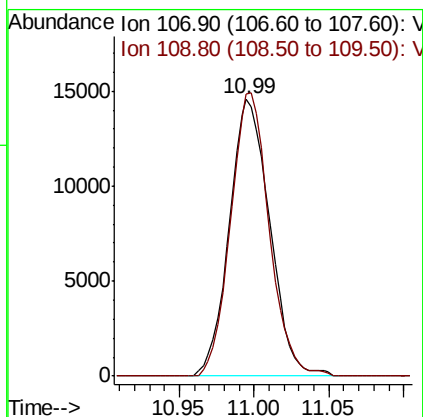
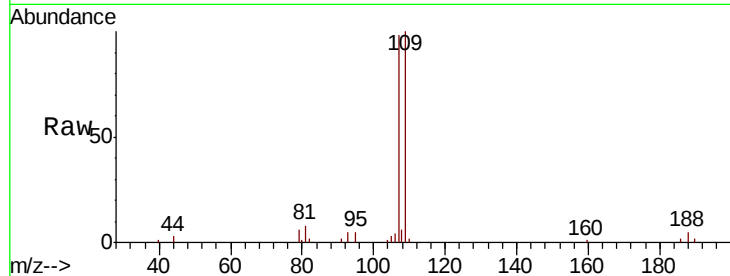




#61
 1,2-Dibromoethane
 Concen: 4.688 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

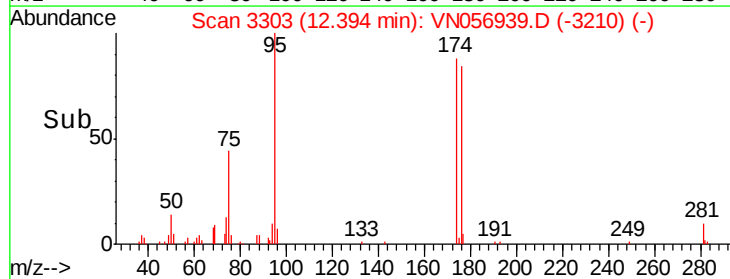
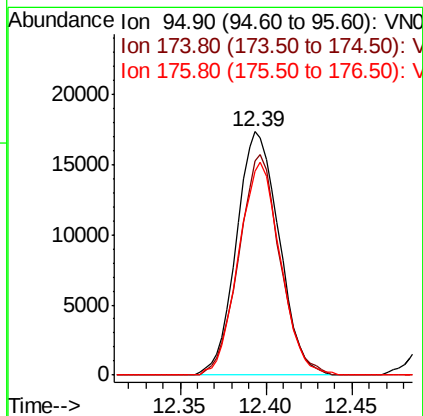
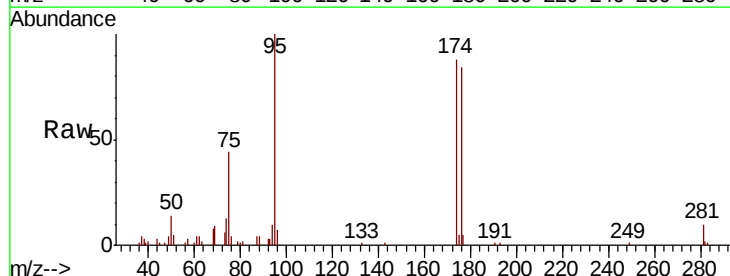
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

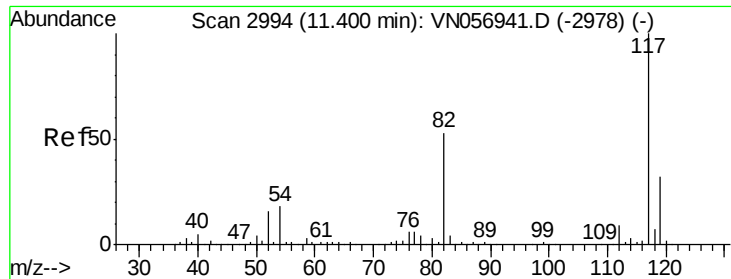
Tot Ion: 107 Resp: 27395
 Ion Ratio Lower Upper
 107 100
 109 97.7 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 4.344 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion: 95 Resp: 29872
 Ion Ratio Lower Upper
 95 100
 174 87.1 0.0 182.2
 176 85.5 0.0 179.4

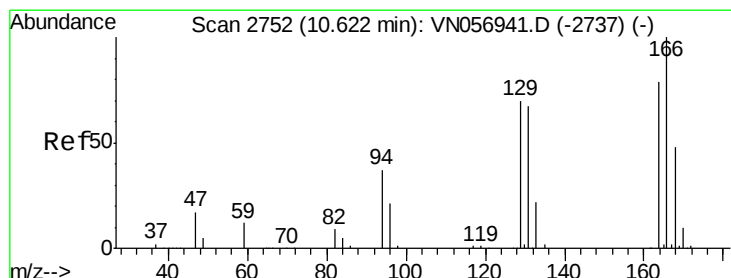
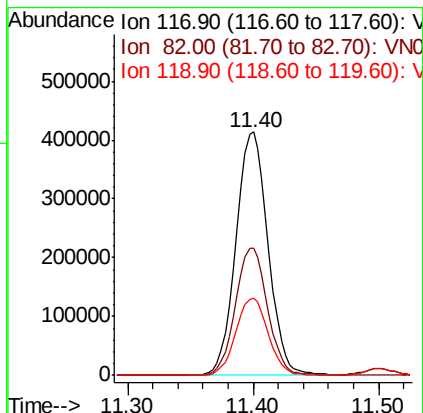
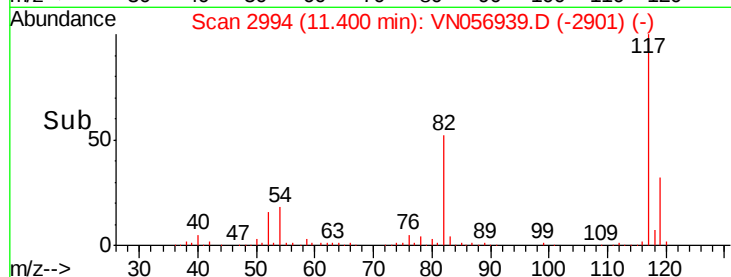
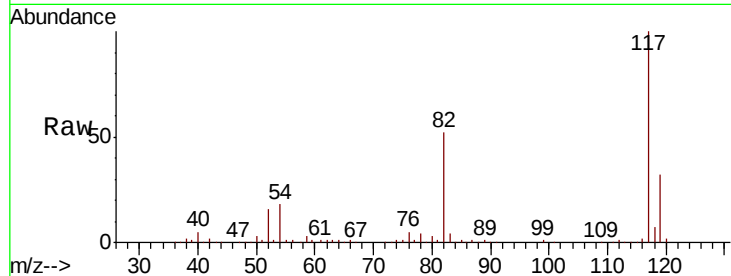




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

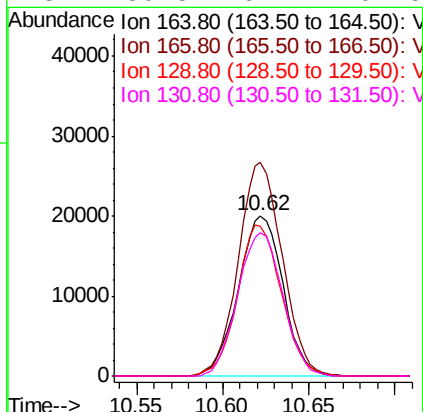
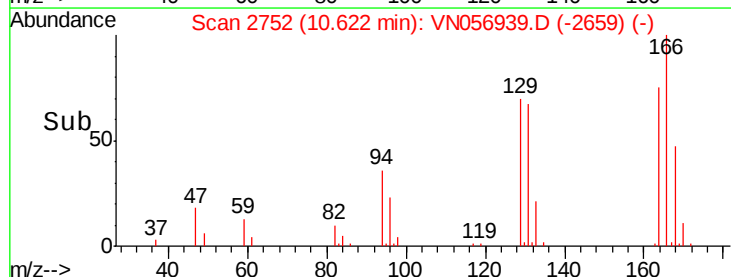
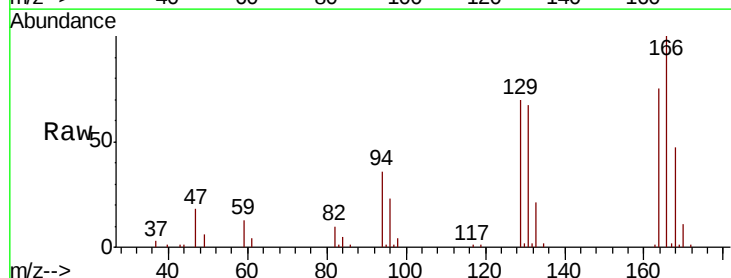
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

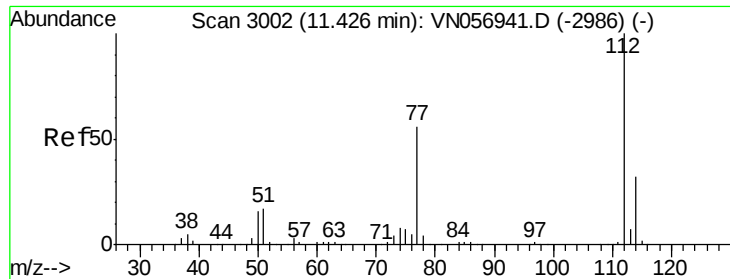
Tot Ion:117 Resp: 735296
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.4
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 5.501 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion:164 Resp: 36133
Ion Ratio Lower Upper
164 100
166 133.3 101.1 151.7
129 93.5 70.9 106.3
131 89.5 67.7 101.5

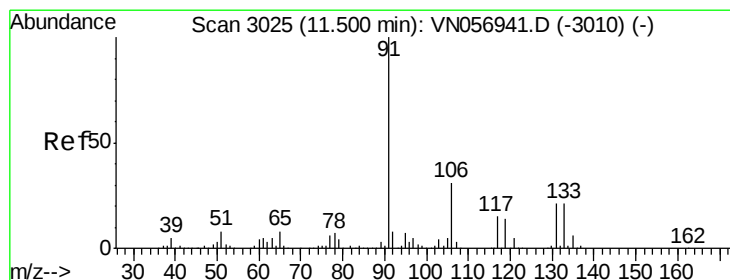
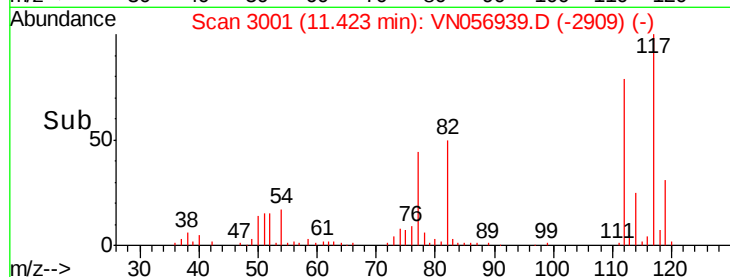
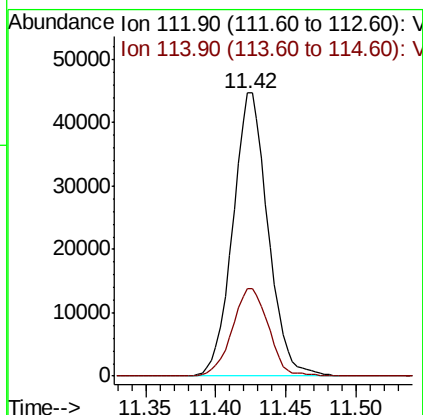
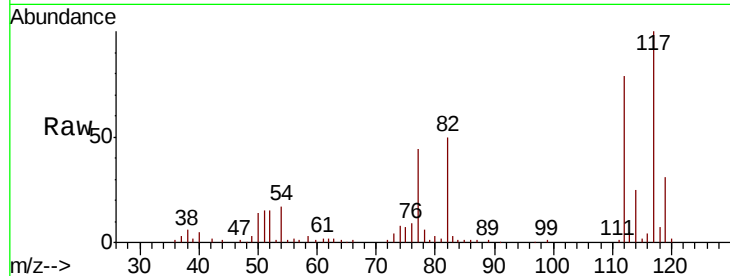




#65
Chlorobenzene
Concen: 5.138 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

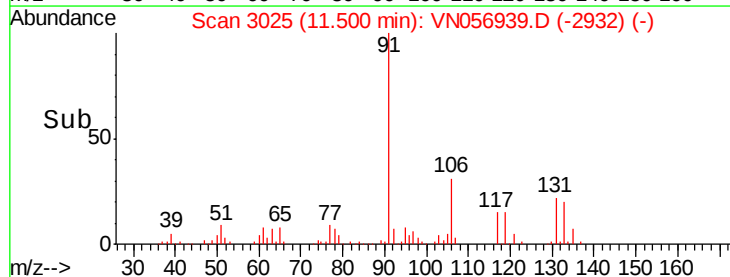
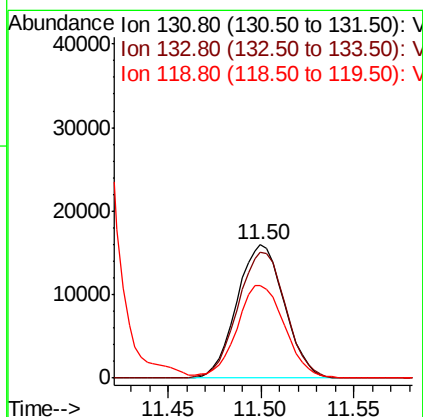
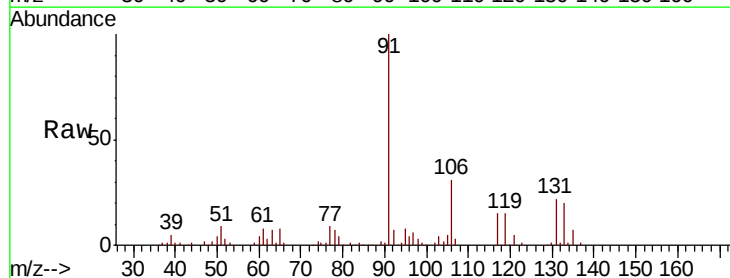
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

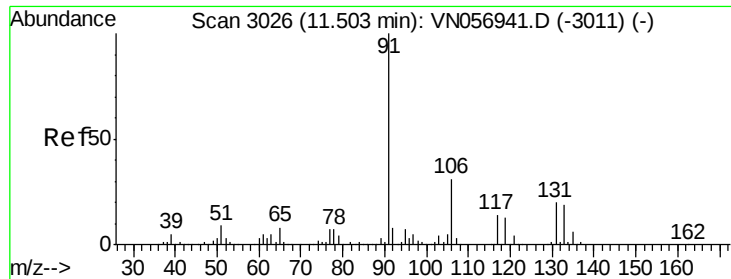
Tot Ion:112 Resp: 77944
Ion Ratio Lower Upper
112 100
114 31.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.996 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion:131 Resp: 28295
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 70.3 33.2 99.6

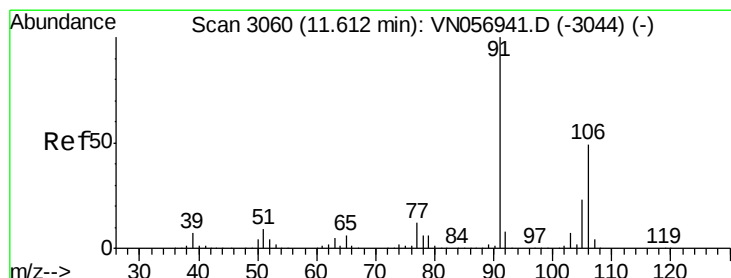
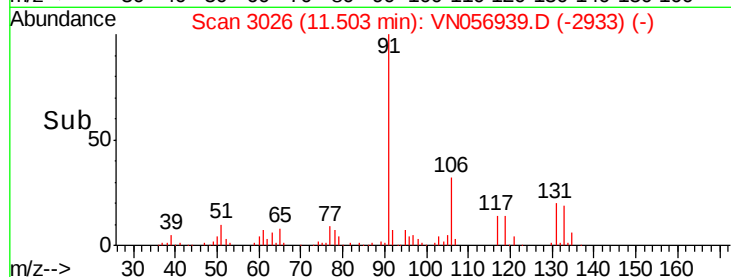
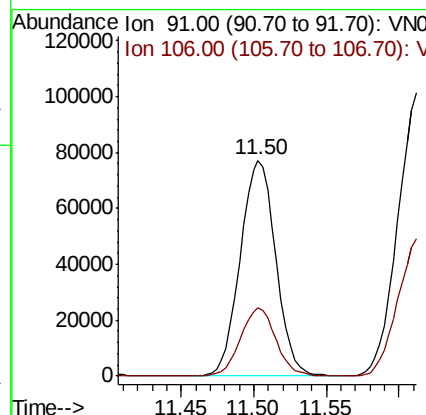
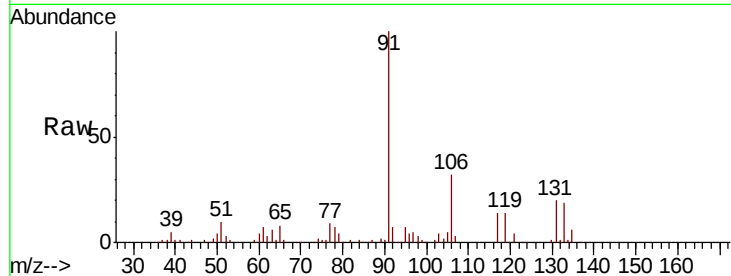




#67
Ethyl Benzene
Concen: 5.032 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

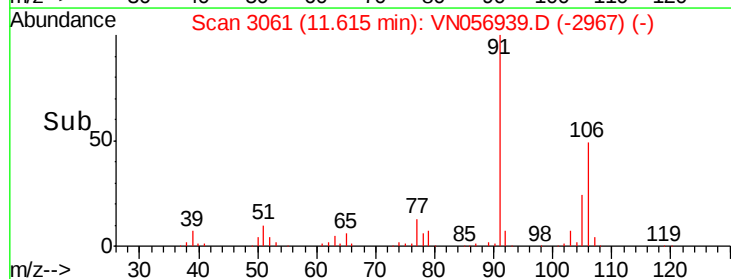
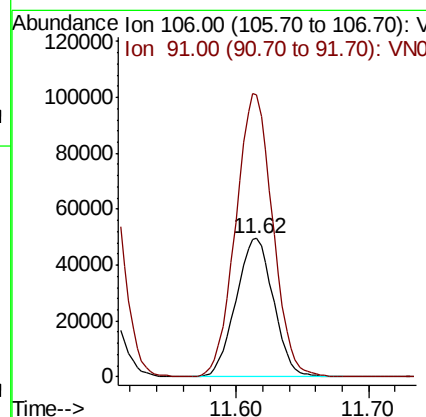
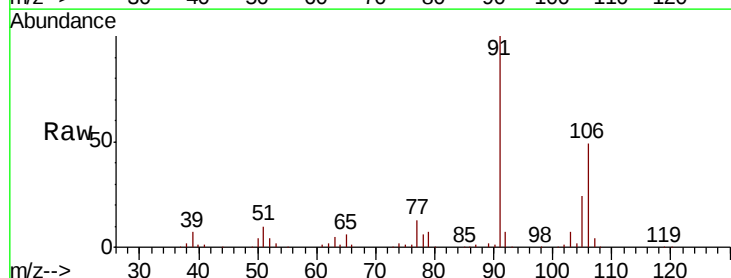
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

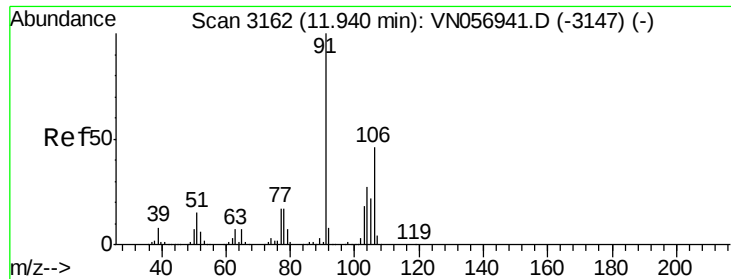
Tot Ion: 91 Resp: 131395
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 9.983 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion: 106 Resp: 97076
Ion Ratio Lower Upper
106 100
91 200.4 160.0 240.0

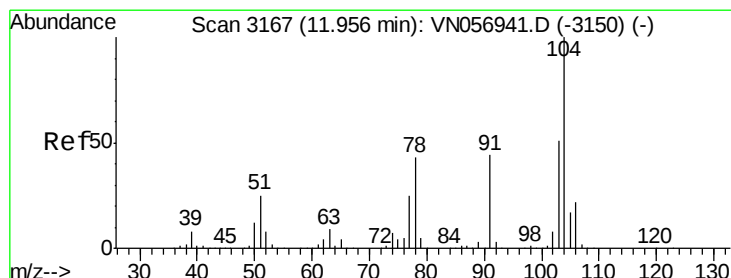
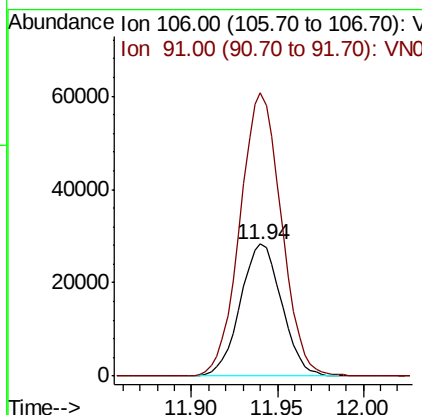
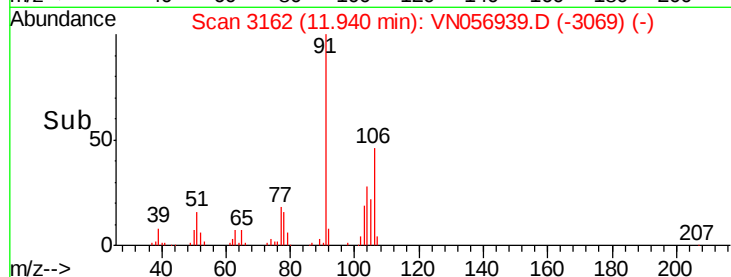
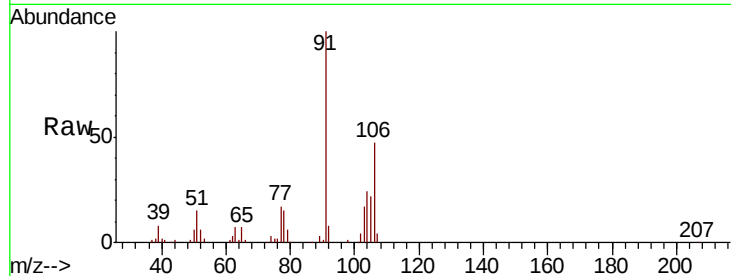




#69
o-Xylene
Concen: 4.988 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

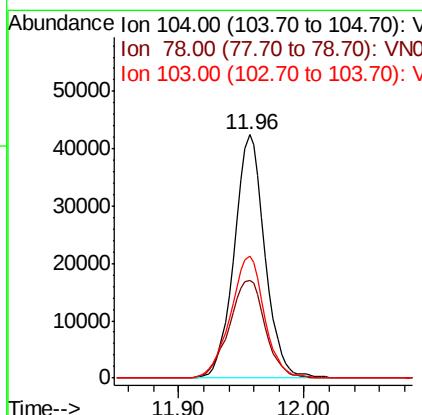
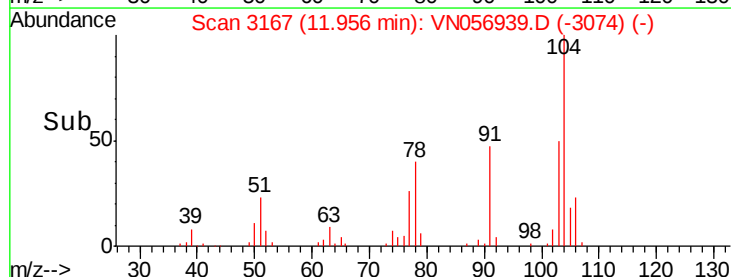
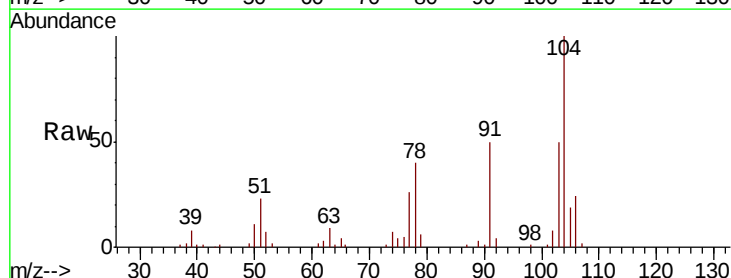
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

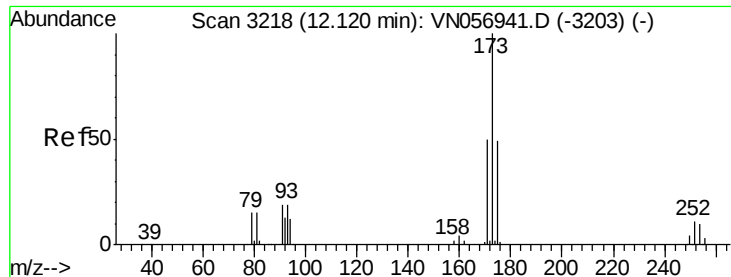
Tot Ion:106 Resp: 47462
Ion Ratio Lower Upper
106 100
91 214.7 106.2 318.6



#70
Styrene
Concen: 4.775 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion:104 Resp: 71970
Ion Ratio Lower Upper
104 100
78 47.1 38.1 57.1
103 55.5 44.3 66.5





#71

Bromoform

Concen: 4.531 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

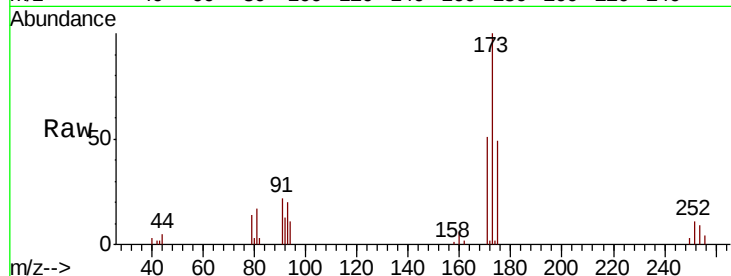
Tot Ion:173 Resp: 18008

Ion Ratio Lower Upper

173 100

175 47.6 24.1 72.4

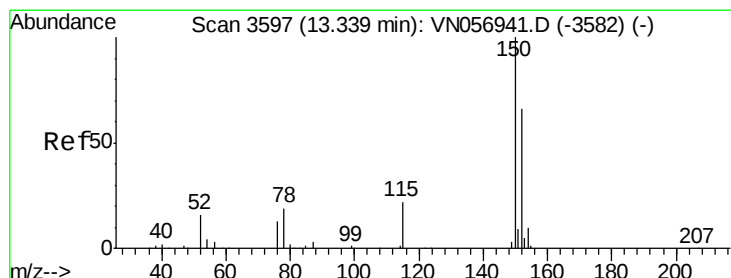
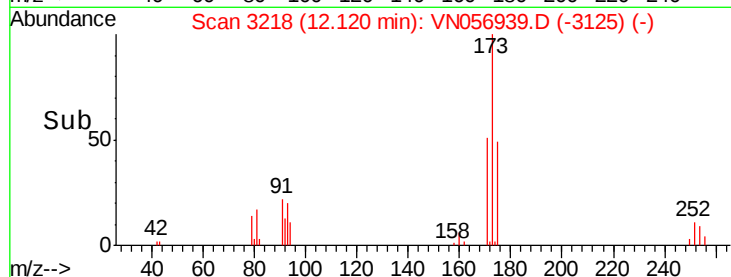
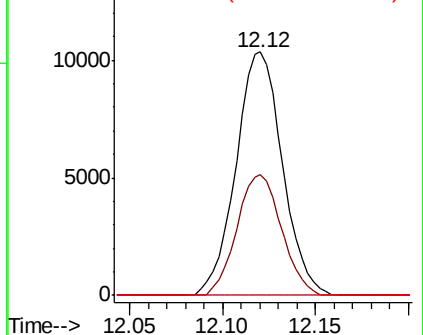
254 0.0 0.1 0.1#



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: VN056939.D

Acq: 26 Jul 2019 9:25

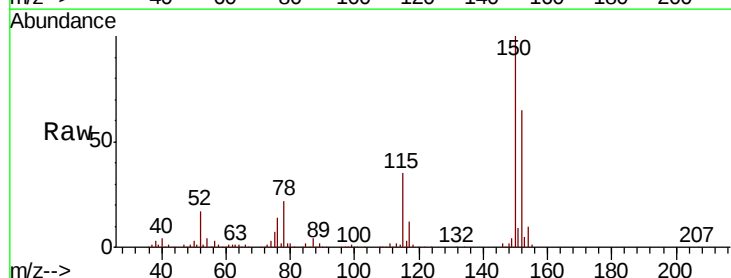
Tgt Ion:152 Resp: 245293

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

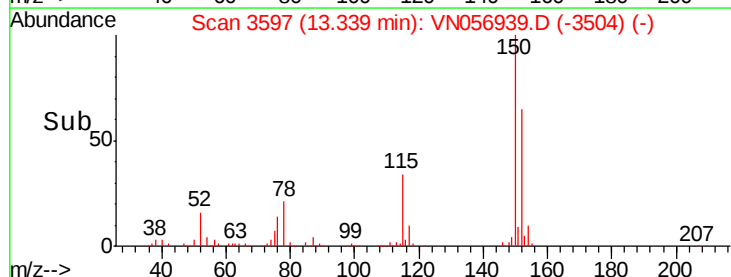
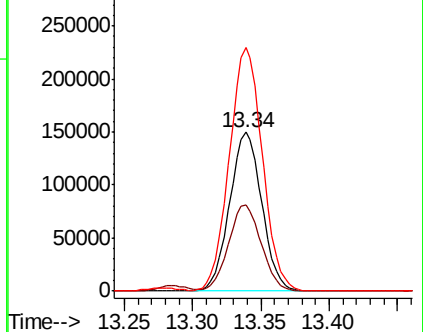
150 157.1 0.0 349.4

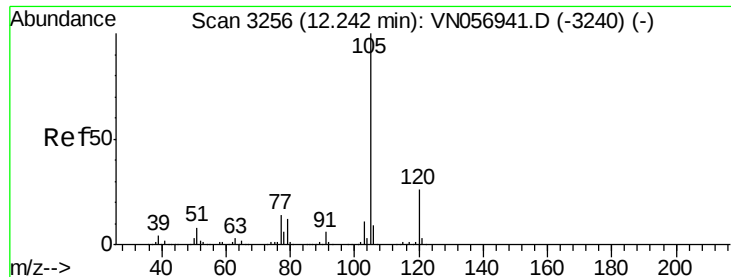


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.795 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

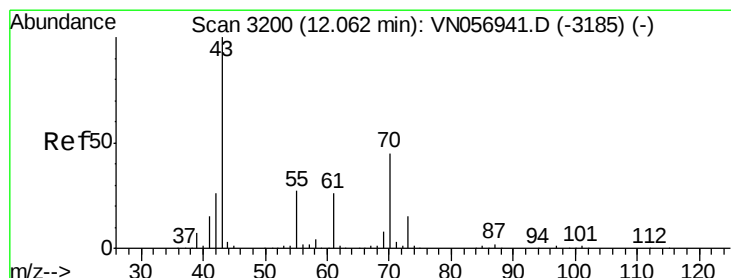
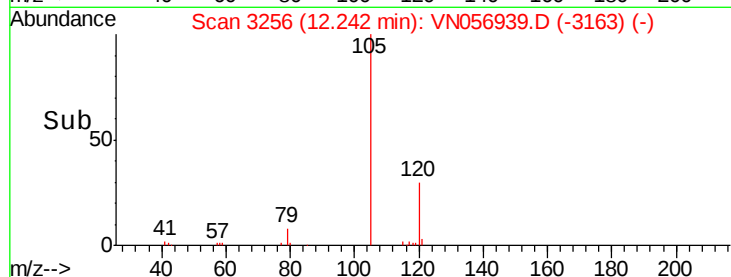
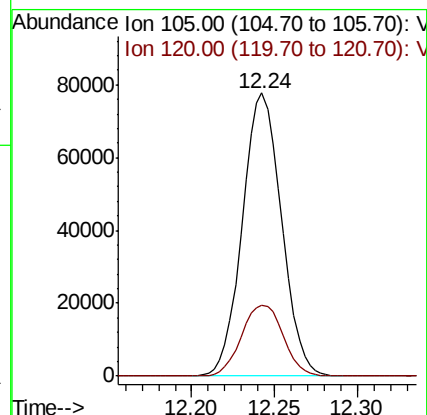
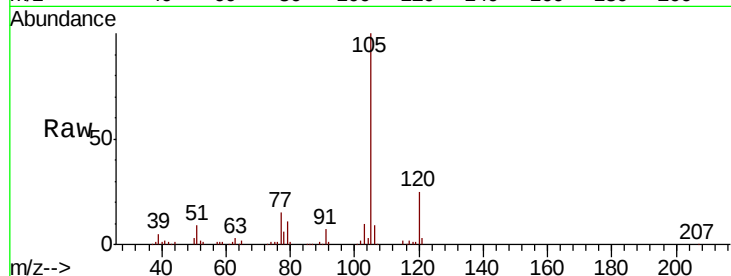
VSTDIC005

Tot Ion:105 Resp: 127405

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 4.635 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Tgt Ion: 43 Resp: 30090

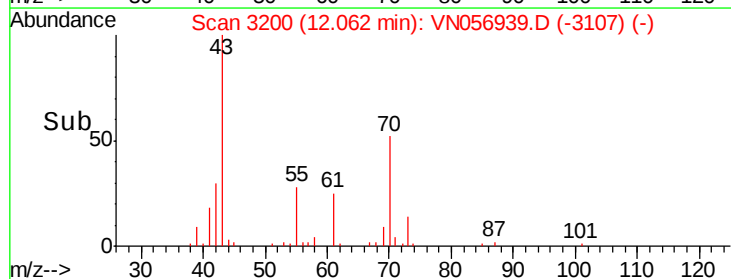
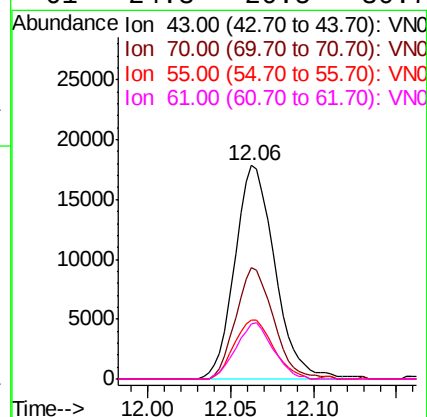
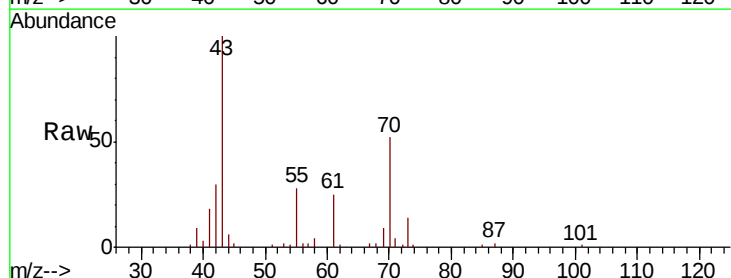
Ion Ratio Lower Upper

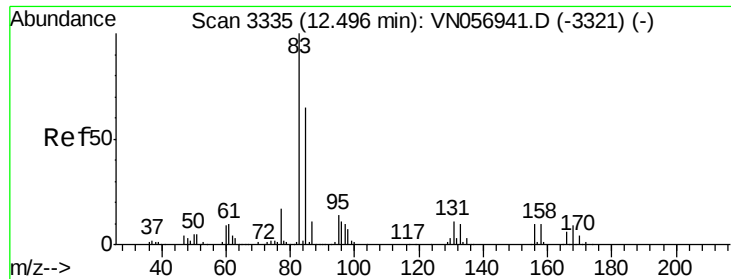
43 100

70 48.8 36.5 54.7

55 26.8 21.4 32.0

61 24.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.628 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

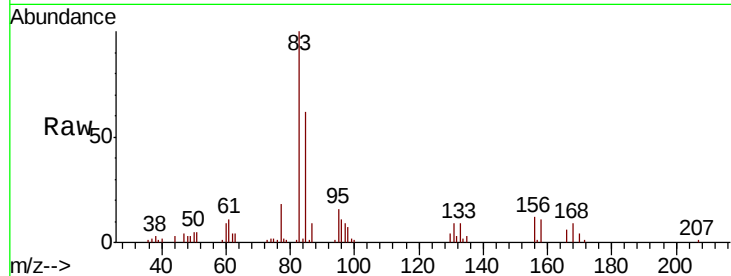
Tot Ion: 83 Resp: 36054

Ion Ratio Lower Upper

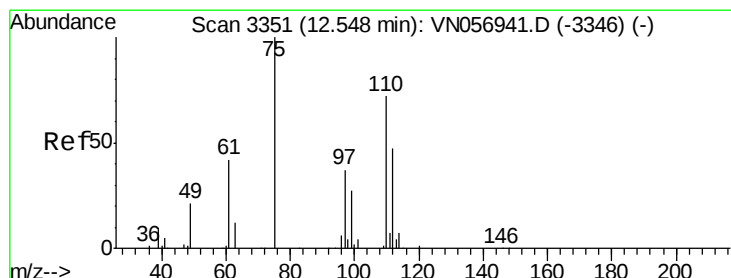
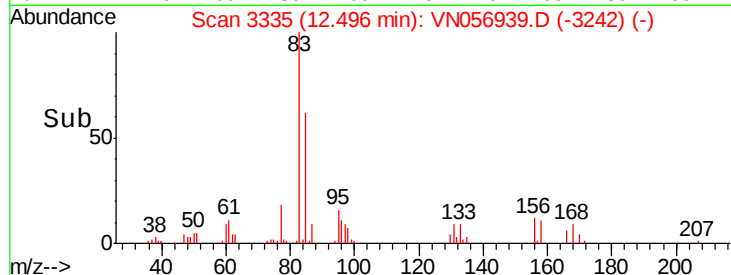
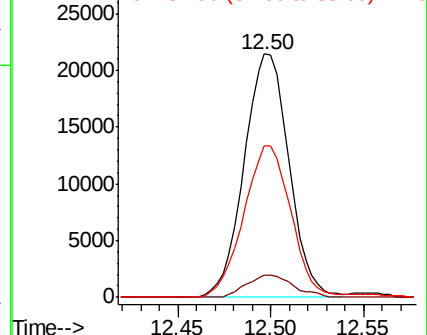
83 100

131 9.6 5.3 16.1

85 65.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 8.166 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN056939.D

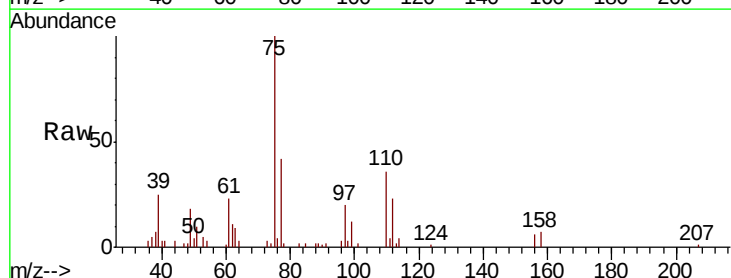
Acq: 26 Jul 2019 9:25

Tgt Ion: 75 Resp: 39220

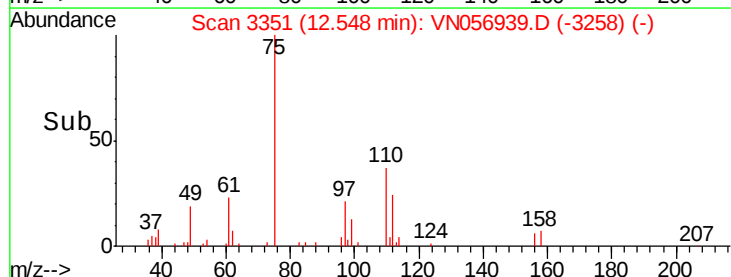
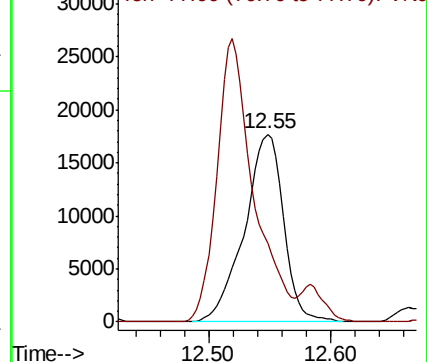
Ion Ratio Lower Upper

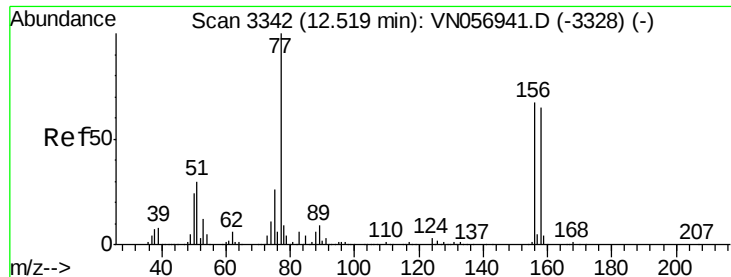
75 100

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: 5.630 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

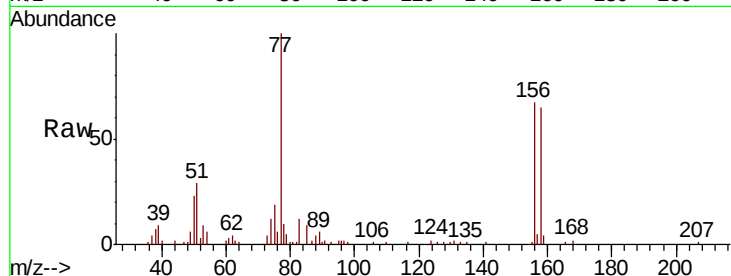
Tot Ion:156 Resp: 31699

Ion Ratio Lower Upper

156 100

77 176.7 89.5 268.5

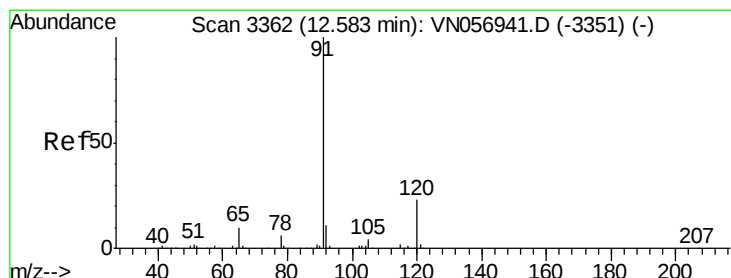
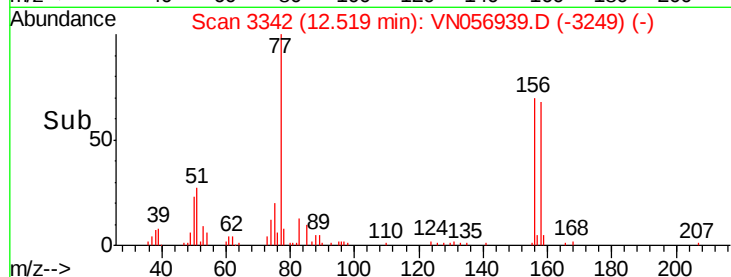
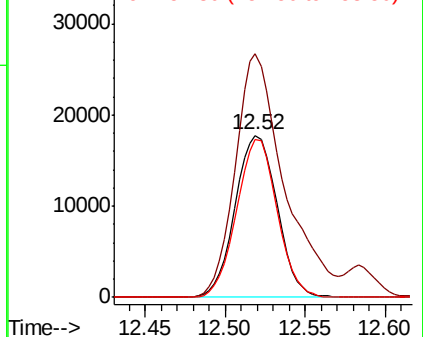
158 94.3 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.415 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN056939.D

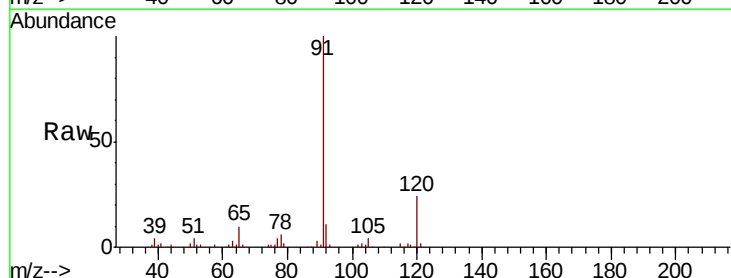
Acq: 26 Jul 2019 9:25

Tgt Ion: 91 Resp: 125793

Ion Ratio Lower Upper

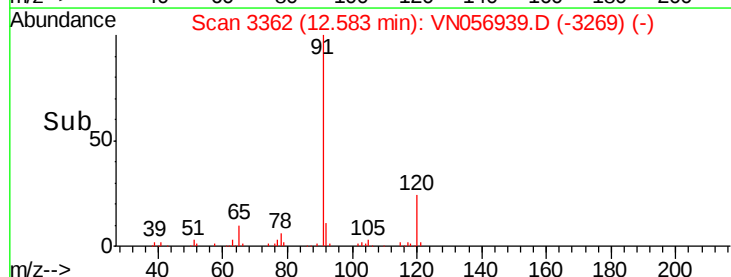
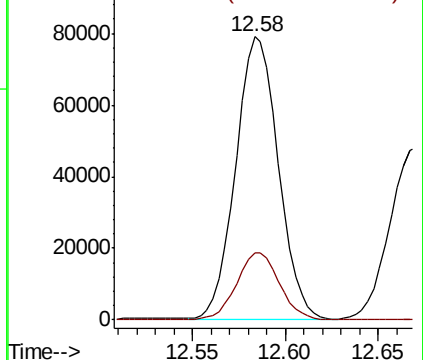
91 100

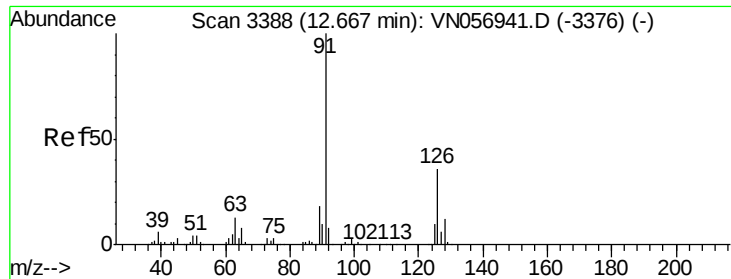
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.633 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

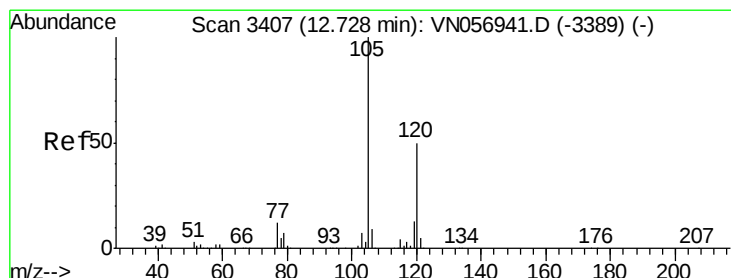
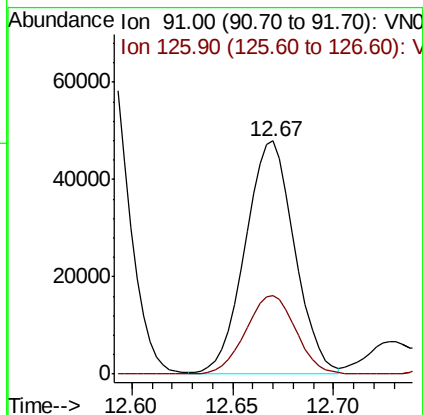
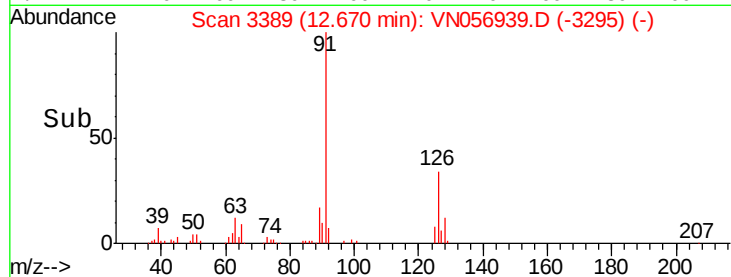
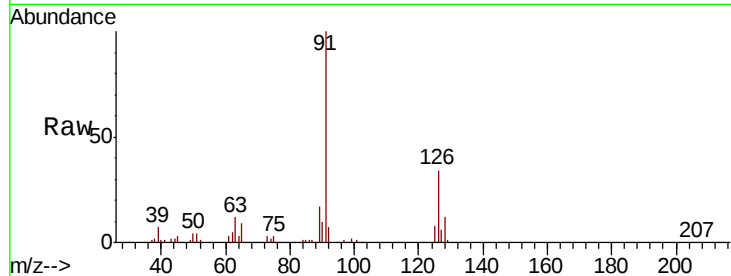
VSTDIC005

Tot Ion: 91 Resp: 81462

Ion Ratio Lower Upper

91 100

126 34.5 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 5.718 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056939.D

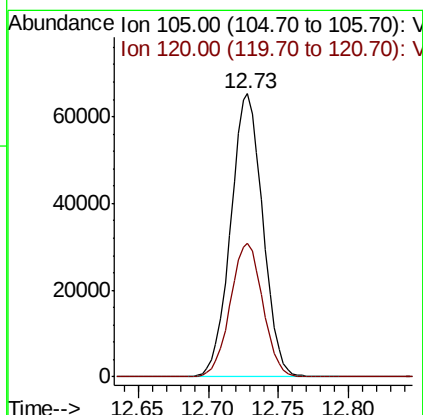
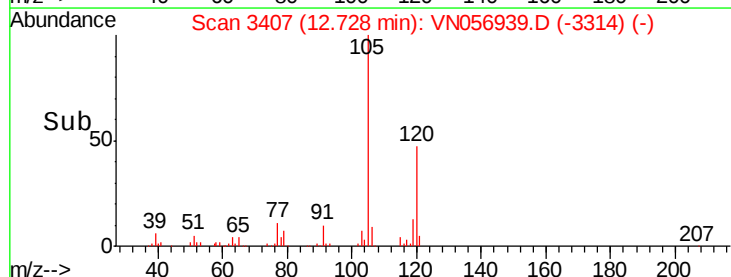
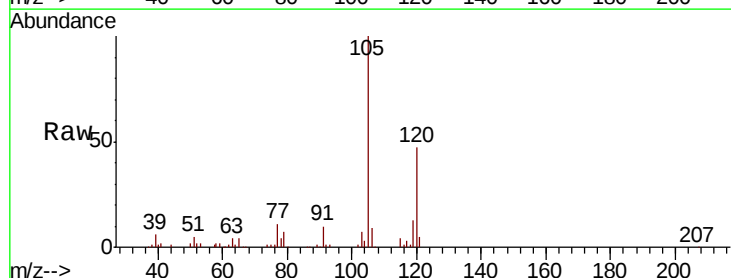
Acq: 26 Jul 2019 9:25

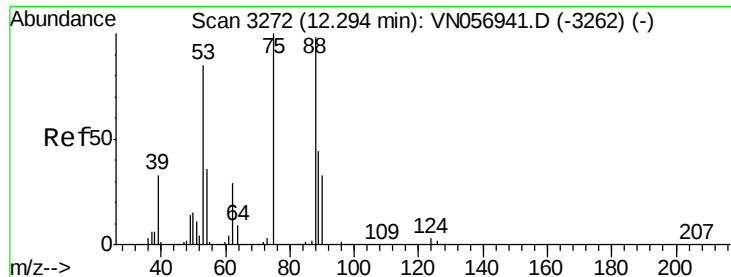
Tgt Ion: 105 Resp: 103820

Ion Ratio Lower Upper

105 100

120 47.9 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 4.210 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

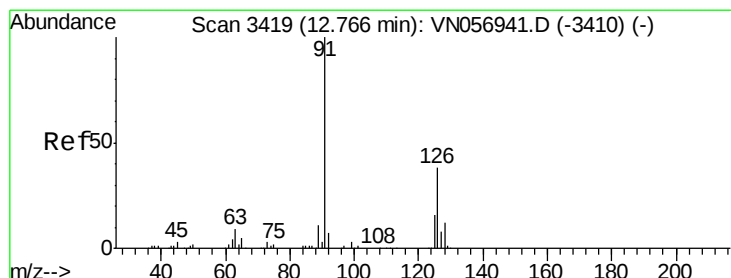
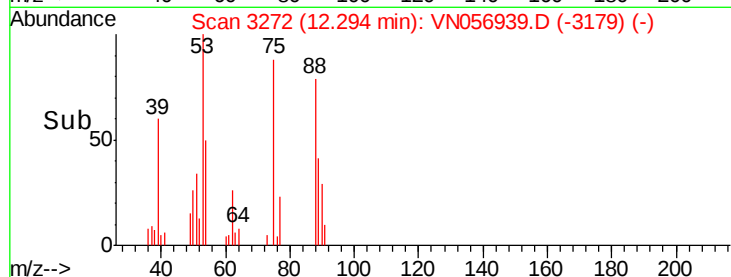
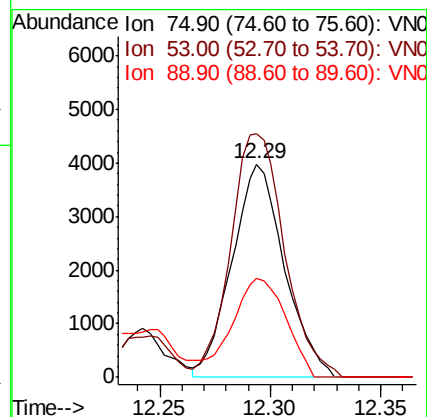
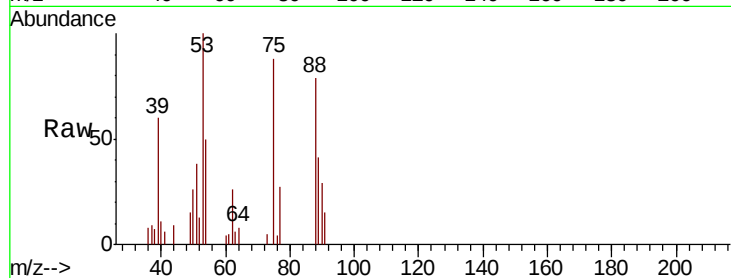
Tot Ion: 75 Resp: 6558

Ion Ratio Lower Upper

75 100

53 117.5 69.3 103.9#

89 47.4 35.8 53.6



#82

4-Chlorotoluene

Concen: 5.505 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN056939.D

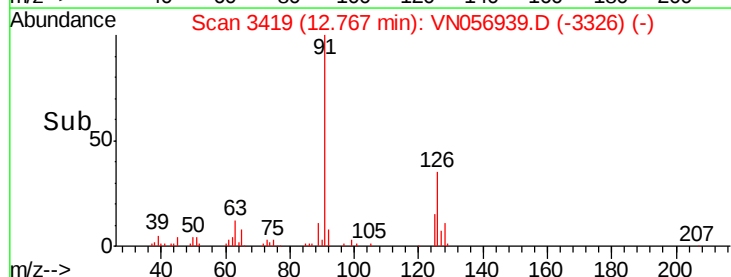
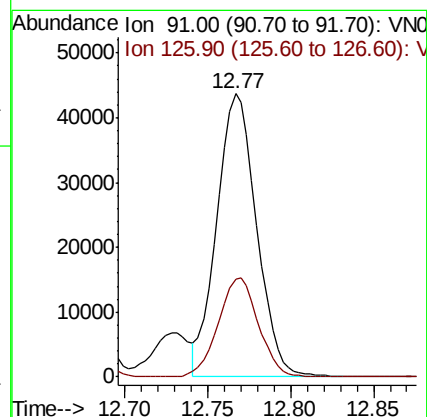
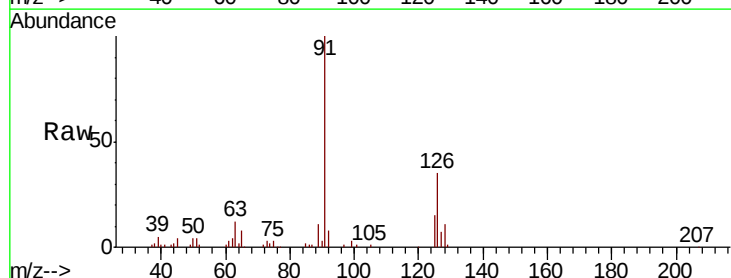
Acq: 26 Jul 2019 9:25

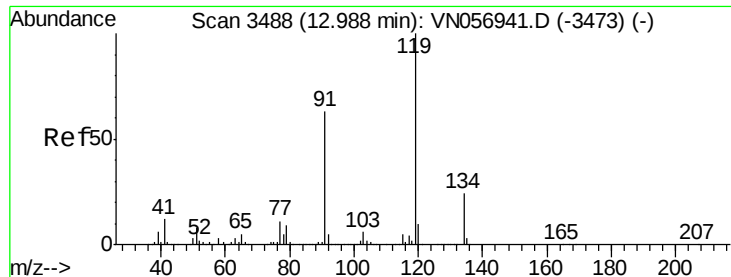
Tgt Ion: 91 Resp: 73062

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5

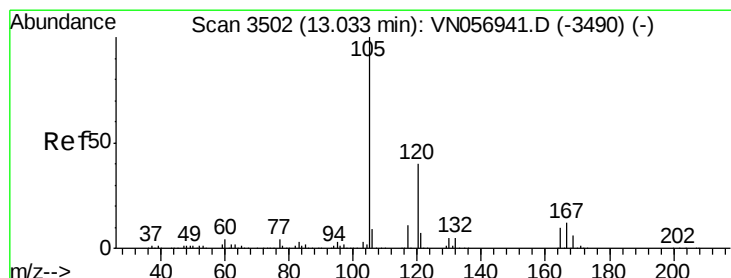
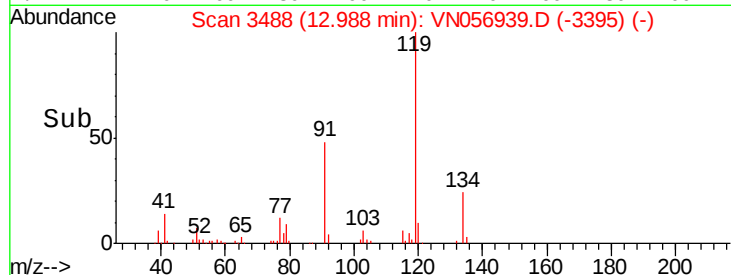
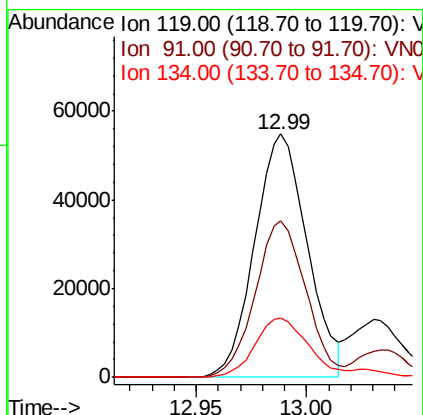
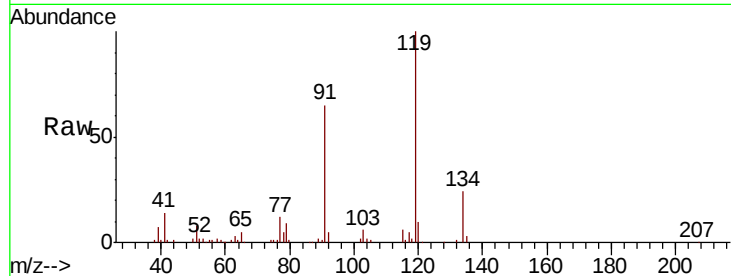




#83
tert-Butylbenzene
Concen: 5.663 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

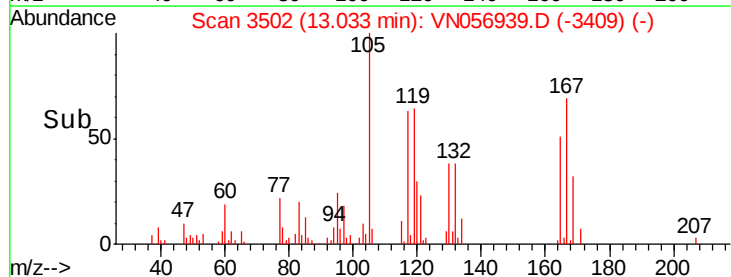
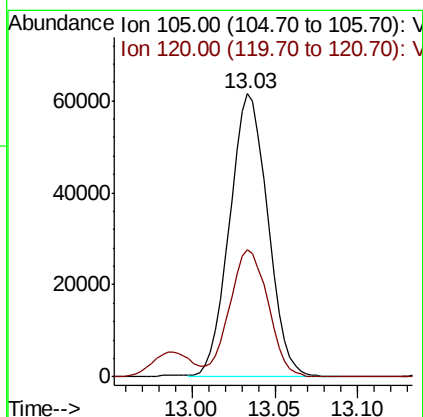
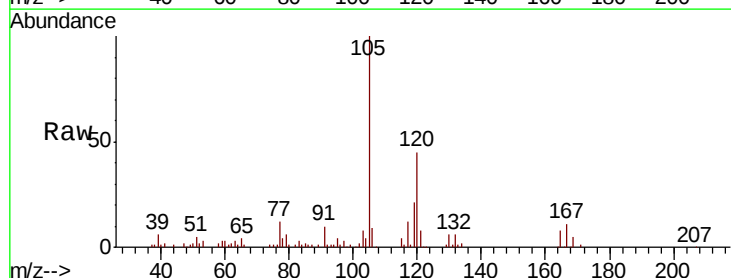
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

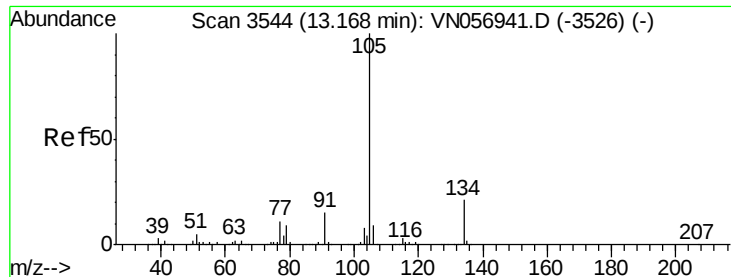
Tot Ion:119 Resp: 90713
Ion Ratio Lower Upper
119 100
91 62.1 31.3 93.8
134 25.1 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 5.739 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion:105 Resp: 98542
Ion Ratio Lower Upper
105 100
120 45.2 23.2 69.6

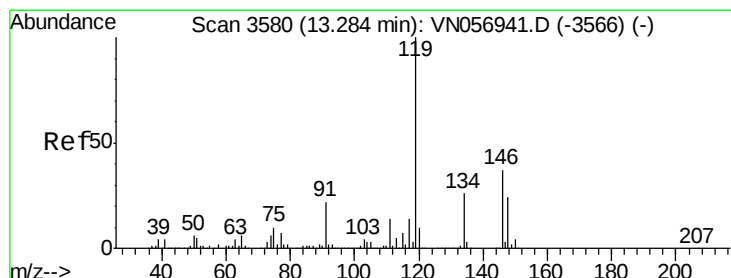
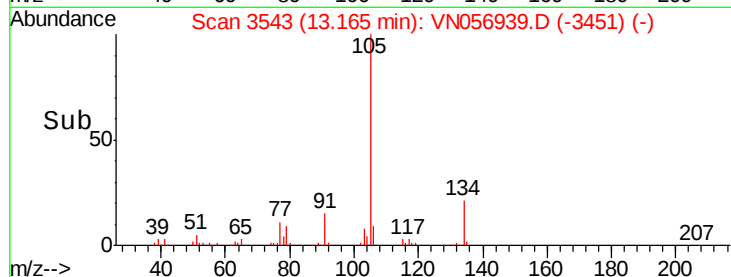
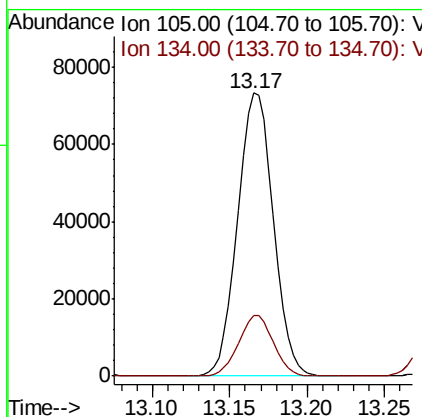
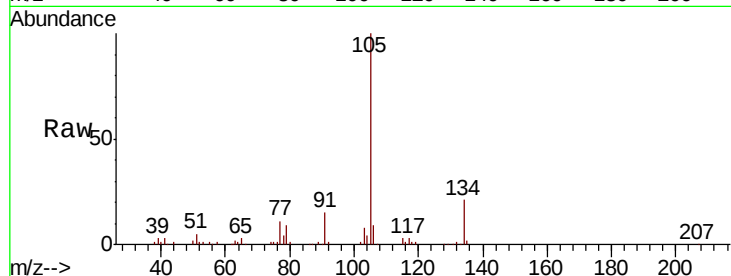




#85
 sec-Butylbenzene
 Concen: 5.835 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

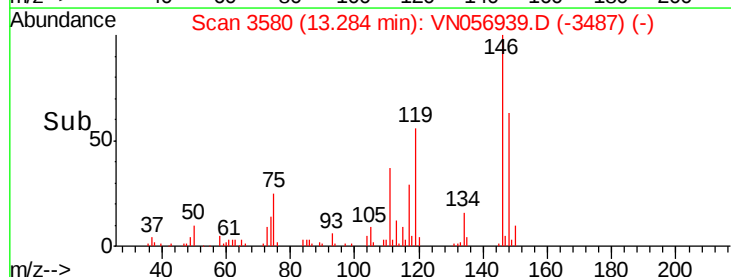
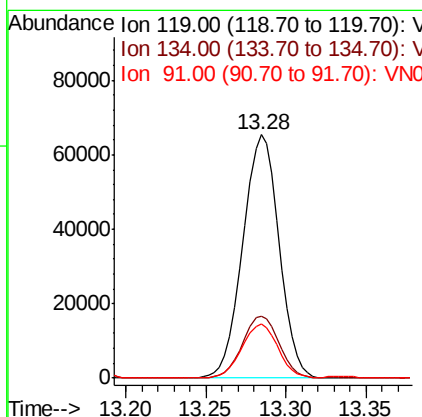
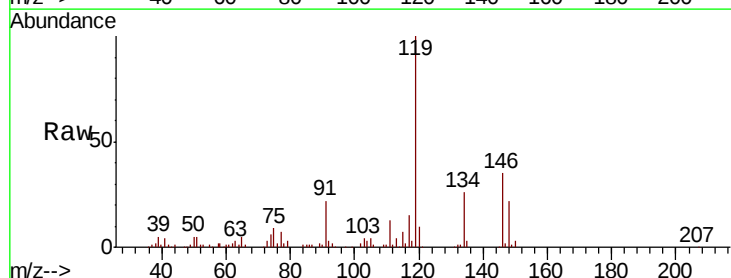
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

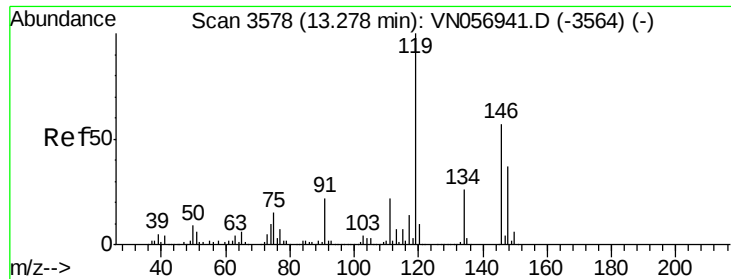
Tot Ion:105 Resp: 118039
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 5.641 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion:119 Resp: 100959
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.4 40.1
 91 22.3 11.0 33.0

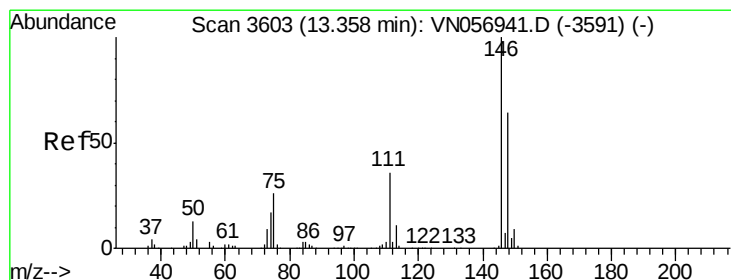
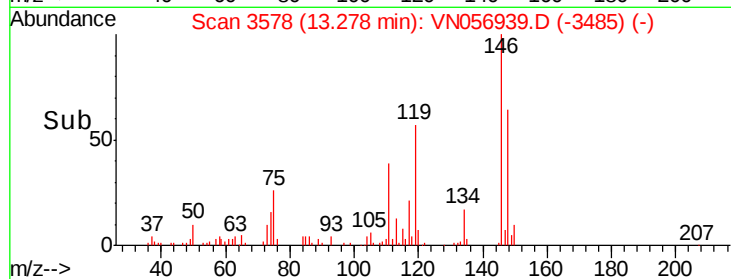
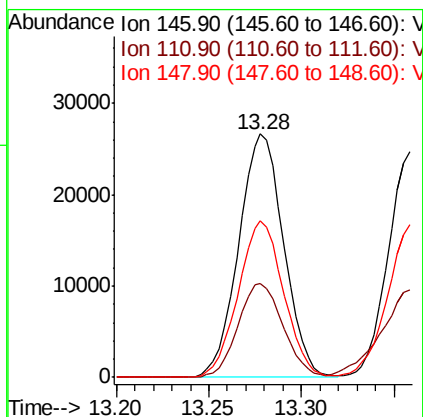
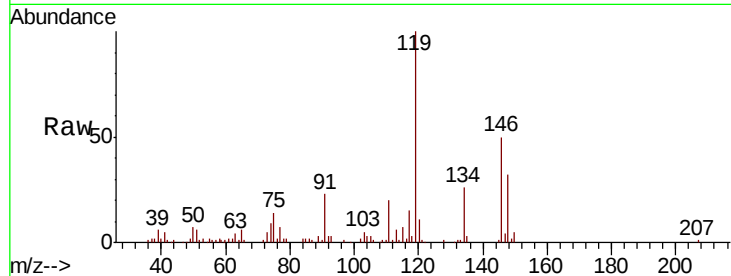




#87
 1,3-Dichlorobenzene
 Concen: 5.324 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

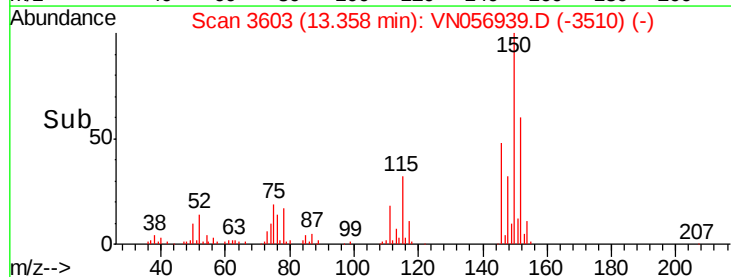
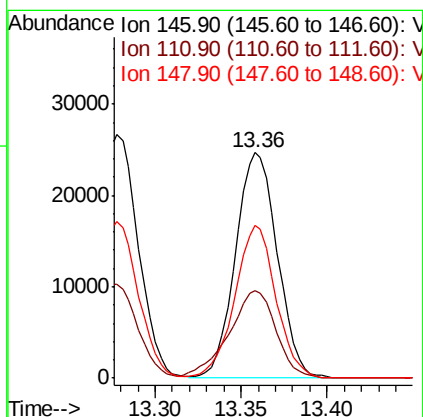
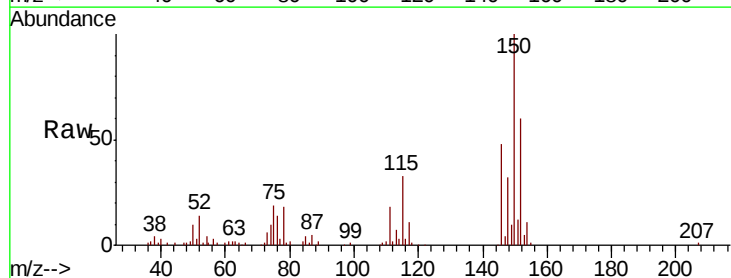
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

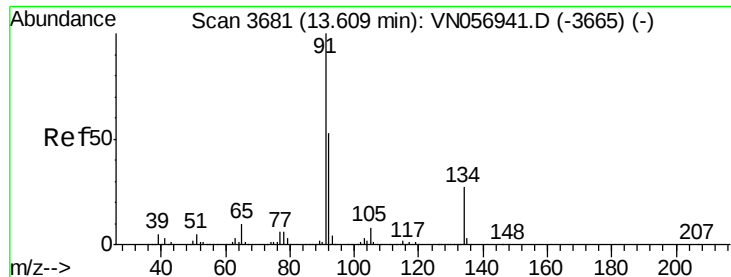
Tot Ion:146 Resp: 44781
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 55.8
 148 64.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 5.179 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion:146 Resp: 41838
 Ion Ratio Lower Upper
 146 100
 111 43.8 18.4 55.2
 148 66.4 32.3 96.9

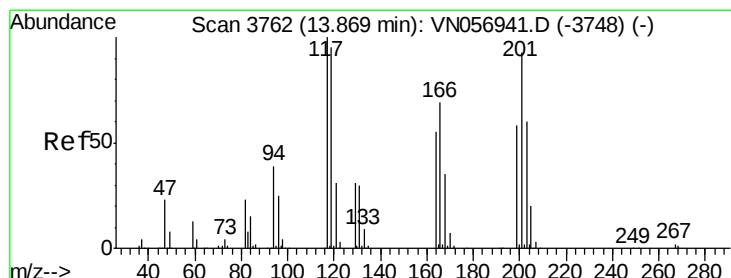
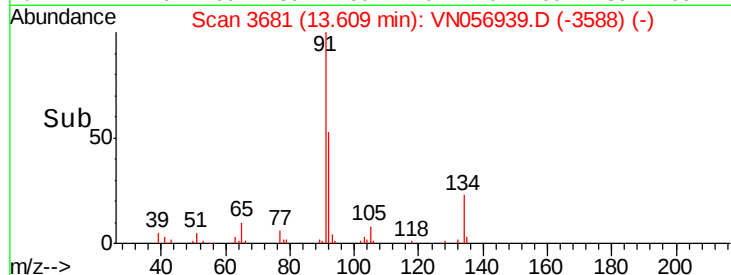
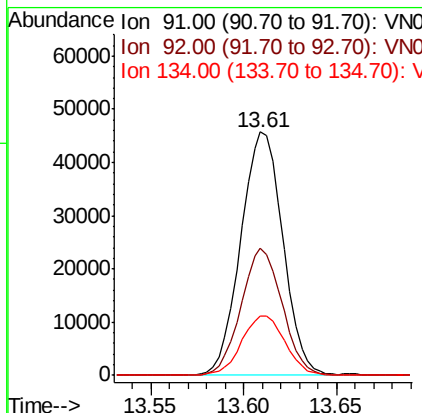
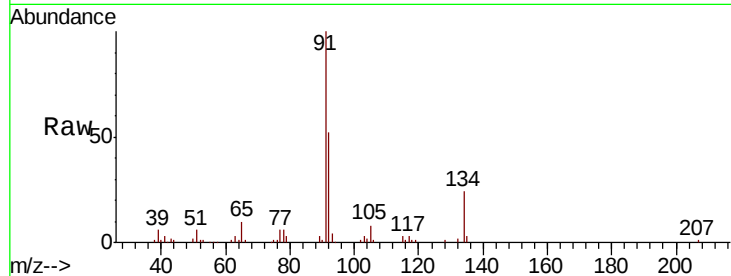




#89
n-Butylbenzene
Concen: 5.234 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

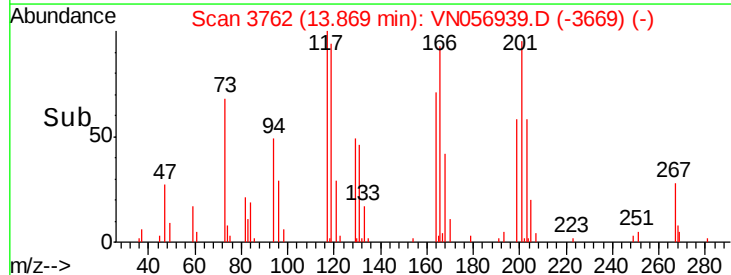
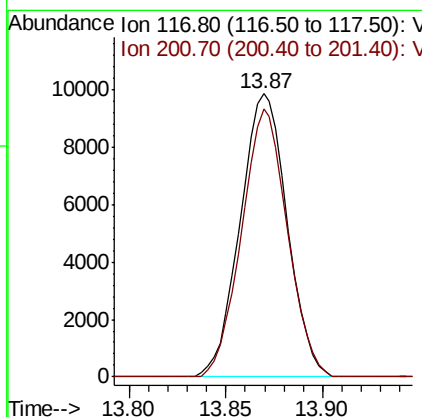
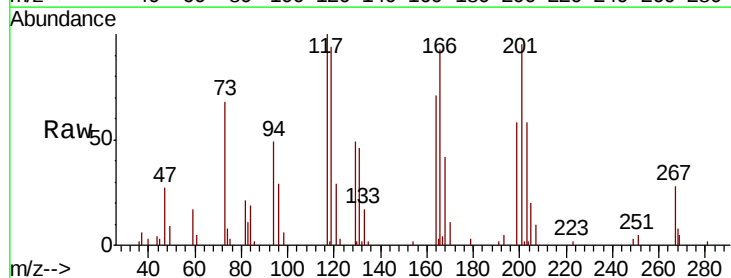
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

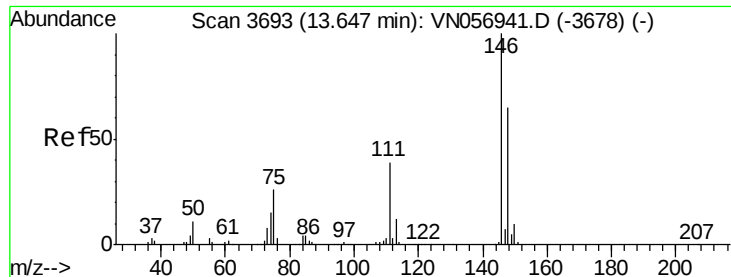
Tot Ion	91	Resp	72397
Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.2	78.5
134	25.1	13.5	40.4



#90
Hexachloroethane
Concen: 5.226 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN056939.D
Acq: 26 Jul 2019 9:25

Tgt Ion	117	Resp	16662
Ion	Ratio	Lower	Upper
117	100		
201	92.2	47.0	141.2





#91

1,2-Dichlorobenzene

Concen: 5.354 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

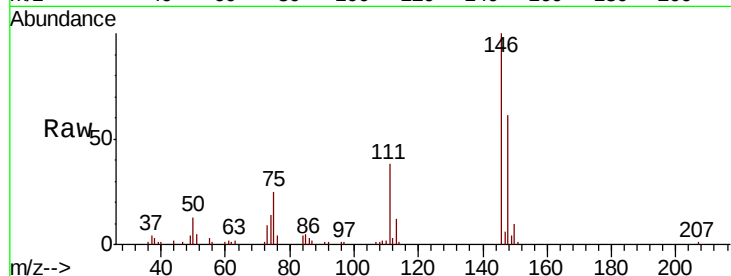
Tot Ion:146 Resp: 45654

Ion Ratio Lower Upper

146 100

111 39.6 19.4 58.4

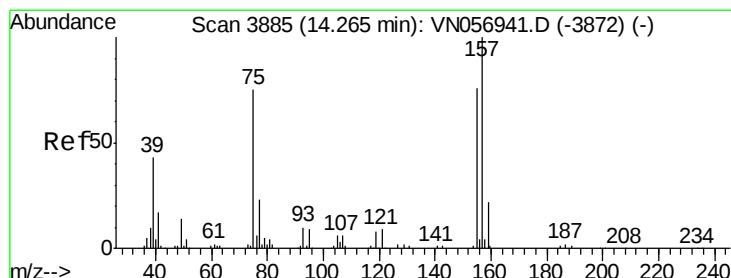
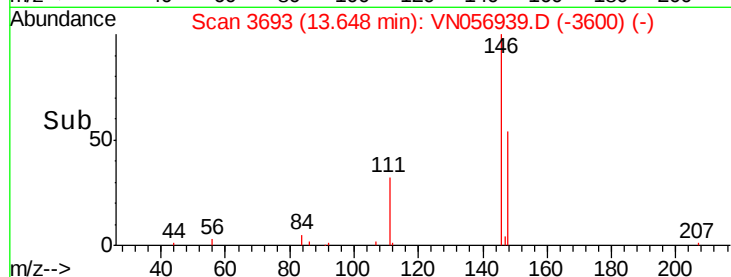
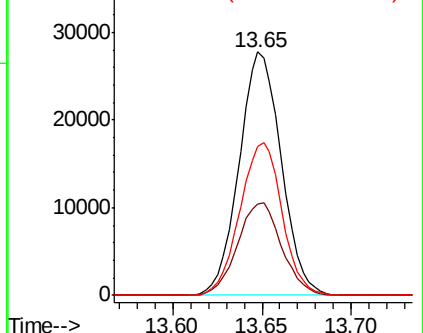
148 62.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.291 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

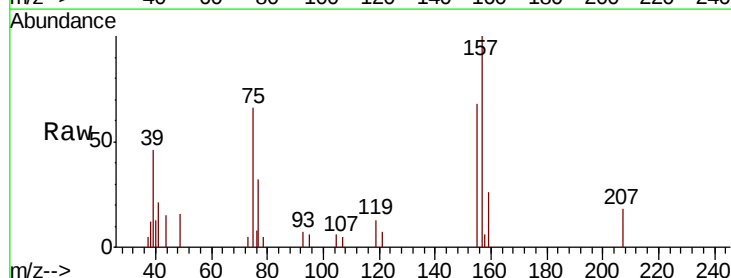
Tgt Ion: 75 Resp: 3755

Ion Ratio Lower Upper

75 100

155 98.8 50.2 150.6

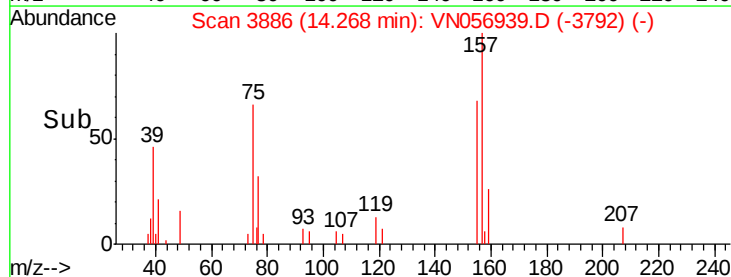
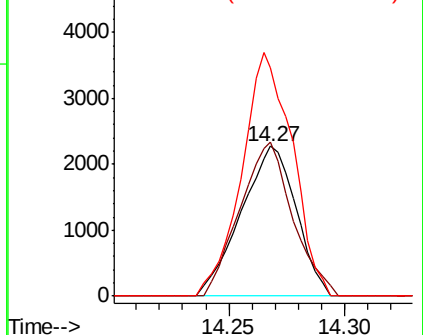
157 149.3 65.1 195.4

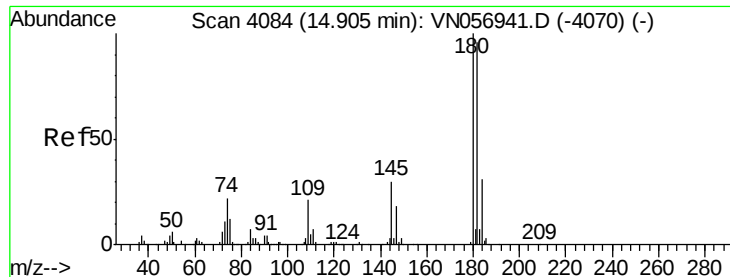


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

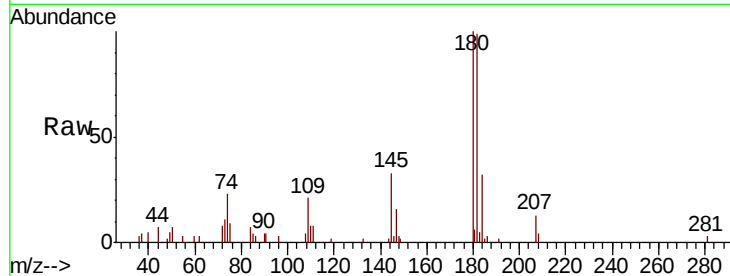




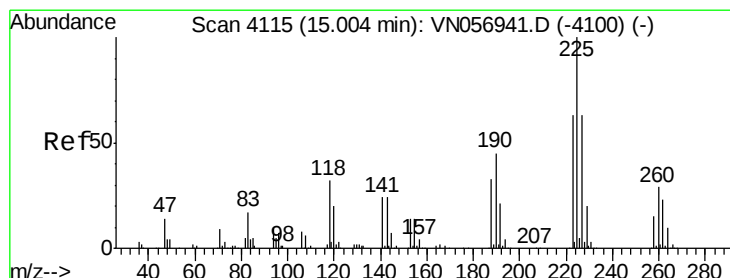
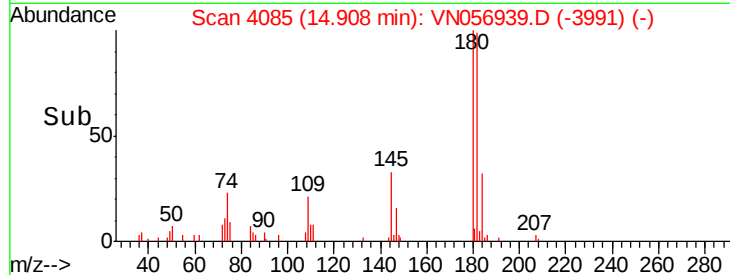
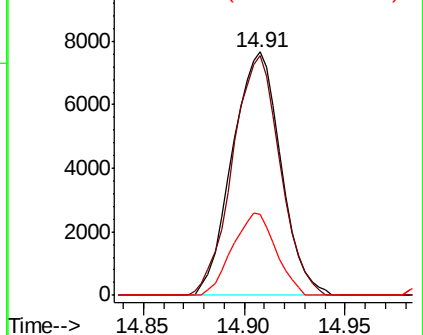
#93
 1,2,4-Trichlorobenzene
 Concen: 3.628 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 12909
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.6 142.8
 145 30.2 14.2 42.8

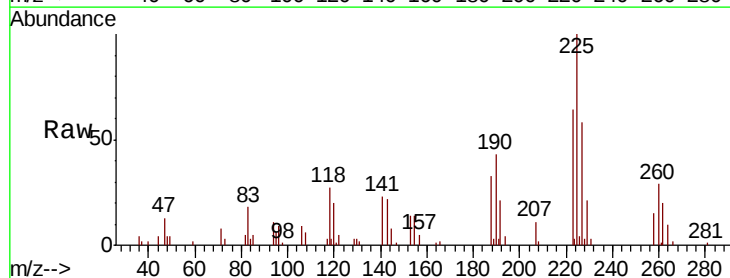


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

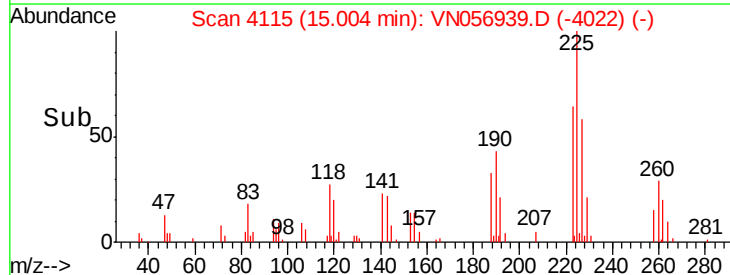
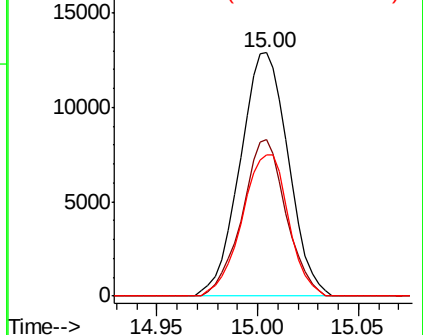


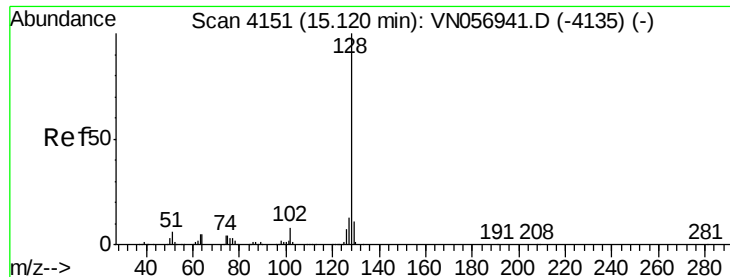
#94
 Hexachlorobutadiene
 Concen: 6.248 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056939.D
 Acq: 26 Jul 2019 9:25

Tgt Ion:225 Resp: 21613
 Ion Ratio Lower Upper
 225 100
 223 58.4 30.8 92.4
 227 55.8 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: 3.172 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

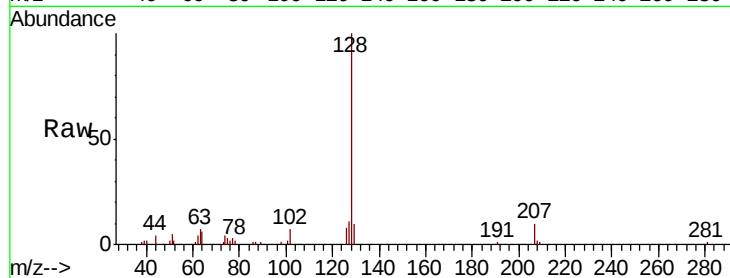
Tot Ion:128 Resp: 28119

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

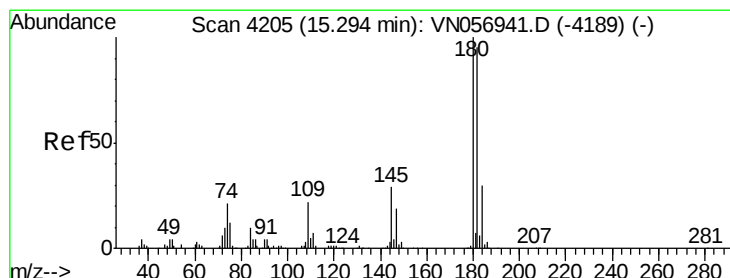
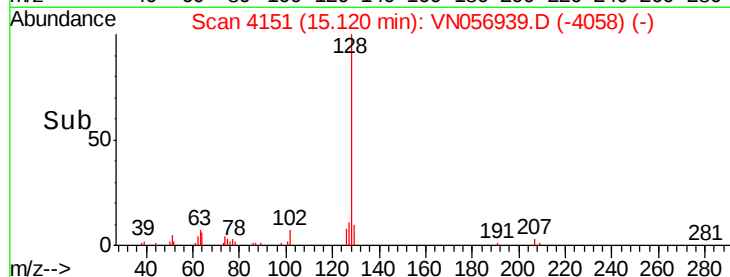
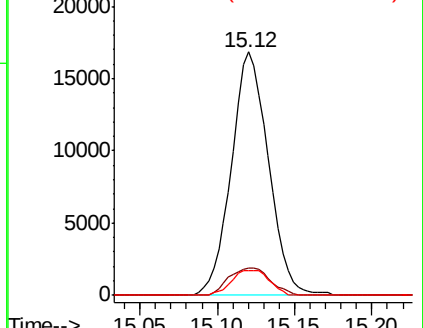
129 10.4 8.7 13.1



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: 3.787 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN056939.D

Acq: 26 Jul 2019 9:25

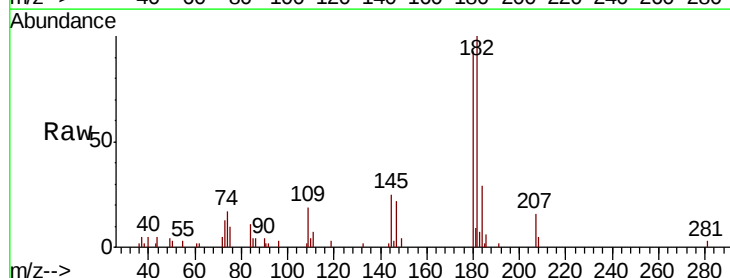
Tgt Ion:180 Resp: 14465

Ion Ratio Lower Upper

180 100

182 100.3 48.0 144.2

145 28.8 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

