

Data File : VV009255.D
Acq On : 24 Jan 2019 12:52
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00G/5ML/MSVOA_V/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Quant Time: Jan 24 22:54:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 24 22:50:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	87078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	148128	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	135725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	68660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	10261	9.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.92%	
35) Dibromofluoromethane	4.64	113	9049	9.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.34%	
50) Toluene-d8	7.36	98	34168	8.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.92%	
62) 4-Bromofluorobenzene	10.12	95	13200	9.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	4915	6.763	ug/l	99
3) Chloromethane	1.25	50	9429	9.823	ug/l	92
4) Vinyl Chloride	1.32	62	9528	8.925	ug/l	95
5) Bromomethane	1.53	94	6004	10.011	ug/l	99
6) Chloroethane	1.60	64	5394	9.183	ug/l	98
7) Trichlorofluoromethane	1.76	101	4779	6.794	ug/l	99
8) Diethyl Ether	1.96	74	4713	9.991	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.14	101	8331	9.010	ug/l	98
10) Methyl Iodide	2.26	142	14544	9.864	ug/l	99
11) Tert butyl alcohol	2.66	59	5740	71.874	ug/l #	89
12) 1,1-Dichloroethene	2.14	96	9027	9.908	ug/l	95
13) Acrolein	2.05	56	2506	41.248	ug/l	87
14) Allyl chloride	2.42	41	13666	8.936	ug/l	98
15) Acrylonitrile	2.76	53	10545	50.662	ug/l	100
16) Acetone	2.17	43	15935	56.105	ug/l	97
17) Carbon Disulfide	2.32	76	23880	8.648	ug/l	100
18) Methyl Acetate	2.45	43	7648	9.998	ug/l	97
19) Methyl tert-butyl Ether	2.80	73	14098	9.893	ug/l	91
20) Methylene Chloride	2.52	84	11123	10.501	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	9207	9.486	ug/l	94
22) Diisopropyl ether	3.33	45	32905	9.944	ug/l	87
23) Vinyl Acetate	3.30	43	97128	52.811	ug/l	98
24) 1,1-Dichloroethane	3.21	63	20371	9.908	ug/l	99
25) 2-Butanone	4.02	43	20504	61.337	ug/l	98
26) 2,2-Dichloropropane	3.94	77	9947	8.783	ug/l	99
27) cis-1,2-Dichloroethene	3.95	96	11897	10.085	ug/l	97
28) Bromochloromethane	4.29	49	7822	10.047	ug/l	99
29) Tetrahydrofuran	4.39	42	10813	58.353	ug/l	98
30) Chloroform	4.42	83	20558	9.979	ug/l	97
31) Cyclohexane	4.71	56	18650	9.921	ug/l #	93
32) 1,1,1-Trichloroethane	4.65	97	16208	9.440	ug/l	97
36) 1,1-Dichloropropene	4.87	75	14720	9.143	ug/l	99
37) Ethyl Acetate	4.13	43	7250	11.109	ug/l	98
38) Carbon Tetrachloride	4.87	117	14504	9.091	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	18185	9.503	ug/l	99
40) Benzene	5.14	78	44295	9.811	ug/l	94
41) Methacrylonitrile	4.31	41	4278	11.048	ug/l #	94
42) 1,2-Dichloroethane	5.17	62	13800	9.760	ug/l	98
43) Isopropyl Acetate	5.33	43	14051	11.072	ug/l	98
44) Trichloroethene	5.95	130	11616	9.757	ug/l	96
45) 1,2-Dichloropropane	6.22	63	10898	9.993	ug/l	95
46) Dibromomethane	6.35	93	5757	10.151	ug/l	95
47) Bromodichloromethane	6.55	83	13741	9.332	ug/l	98
48) Methyl methacrylate	6.42	41	6974	10.823	ug/l	94
49) 1,4-Dioxane	6.41	88	1566	206.033	ug/l #	82
51) 4-Methyl-2-Pentanone	7.27	43	36457	56.313	ug/l	99
52) Toluene	7.43	92	28173	9.891	ug/l	97
53) t-1,3-Dichloropropene	7.69	75	13487	9.343	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	15642	9.453	ug/l	96
55) 1,1,2-Trichloroethane	7.88	97	8487	10.551	ug/l	96
56) Ethyl methacrylate	7.83	69	9363	10.010	ug/l	98
57) 1,3-Dichloropropane	8.05	76	15056	10.454	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.94	63	387	24.864	ug/l #	49
59) 2-Hexanone	8.19	43	26288	56.405	ug/l	99
60) Dibromochloromethane	8.29	129	9045	9.684	ug/l	98
61) 1,2-Dibromoethane	8.40	107	8434	10.735	ug/l	100
64) Tetrachloroethene	8.02	164	9482	10.058	ug/l	97
65) Chlorobenzene	8.93	112	32002	10.361	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.02	131	10518	9.967	ug/l	100
67) Ethyl Benzene	9.05	91	52531	9.623	ug/l	99
68) m/p-Xylenes	9.18	106	40030	19.255	ug/l	99
69) o-Xylene	9.59	106	19034	9.886	ug/l	97
70) Styrene	9.60	104	29968	9.702	ug/l	99
71) Bromoform	9.78	173	5145	10.133	ug/l #	98
73) Isopropylbenzene	9.97	105	50991	9.283	ug/l	99
74) N-amyl acetate	9.84	43	11377	10.781	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.29	83	10527	10.925	ug/l	96
76) 1,2,3-Trichloropropane	10.32	75	10805	14.342	ug/l #	43
77) Bromobenzene	10.26	156	12250	10.254	ug/l	98
78) n-propylbenzene	10.40	91	60628	9.302	ug/l	100
79) 2-Chlorotoluene	10.47	91	37891	9.631	ug/l	100
80) 1,3,5-Trimethylbenzene	10.59	105	42951	9.316	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	2708	10.198	ug/l	99
82) 4-Chlorotoluene	10.58	91	45355	9.761	ug/l	98
83) tert-Butylbenzene	10.91	119	41621	9.458	ug/l	97
84) 1,2,4-Trimethylbenzene	10.96	105	44690	9.583	ug/l	99
85) sec-Butylbenzene	11.13	105	54016	9.378	ug/l	99
86) p-Isopropyltoluene	11.29	119	48692	9.651	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	24436	9.905	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	25450	10.198	ug/l	97
89) n-Butylbenzene	11.70	91	46322	9.471	ug/l	99
90) Hexachloroethane	11.95	117	8254	9.249	ug/l	95
91) 1,2-Dichlorobenzene	11.69	146	22157	10.149	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.48	75	1709	10.608	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012419\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	14458	10.180	ug/l	100
94) Hexachlorobutadiene	13.49	225	8942	10.216	ug/l	98
95) Naphthalene	13.56	128	27051	10.730	ug/l	100
96) 1,2,3-Trichlorobenzene	13.80	180	13215	10.899	ug/l	98

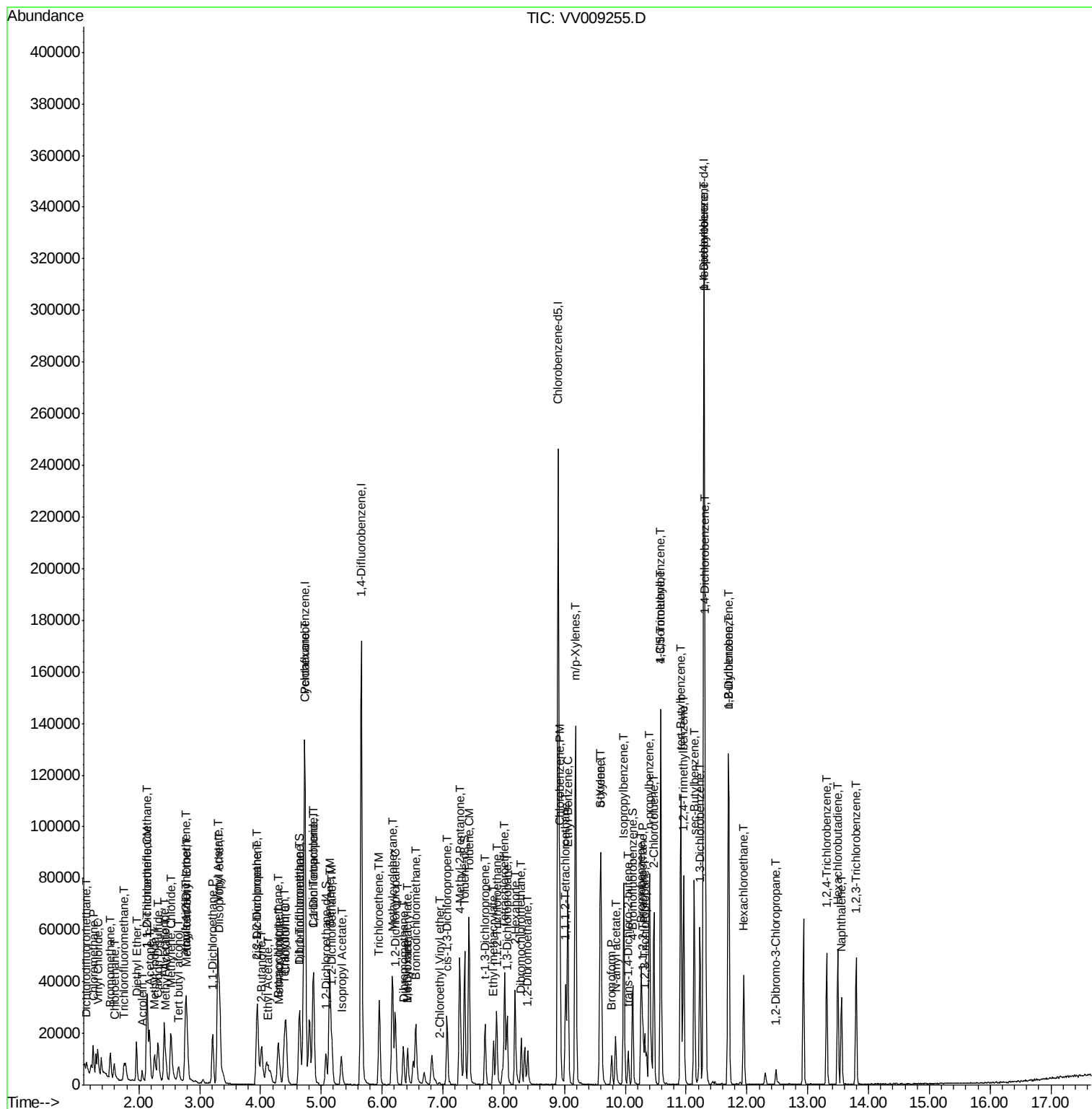
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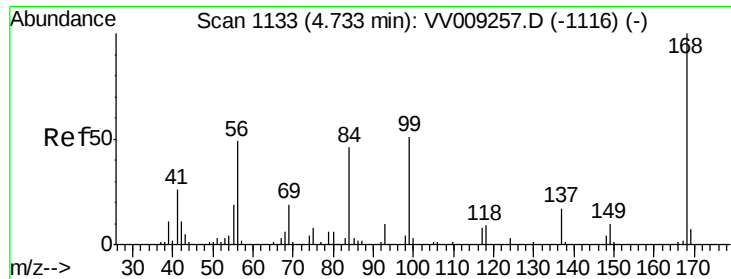
Data File : VV009255.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

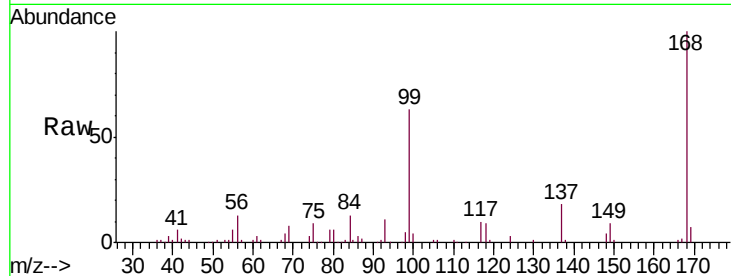
VSTDIC010

Tgt Ion:168 Resp: 87078

Ion Ratio Lower Upper

168 100

99 62.7 50.0 75.0



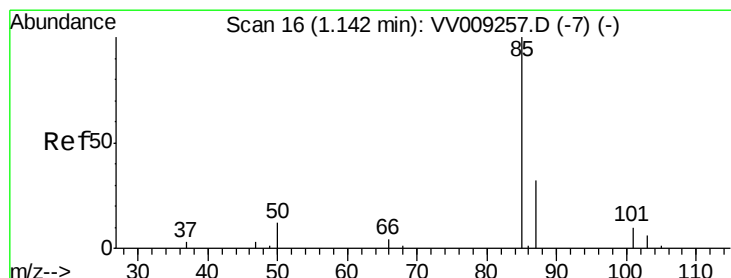
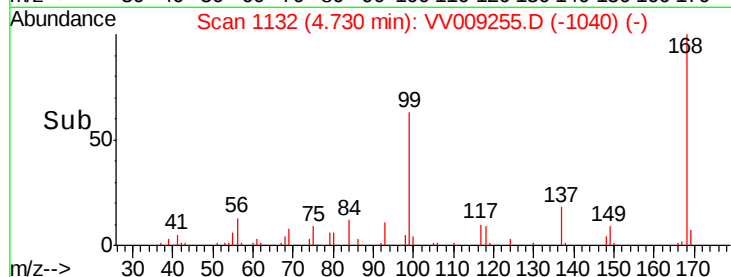
Abundance Ion 167.90 (167.60 to 168.60): VV009257.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009257.D (-1116) (-)

4.73

4.60 4.70 4.80 4.90

Time-->



#2

Dichlorodifluoromethane

Concen: 6.763 ug/l

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009255.D

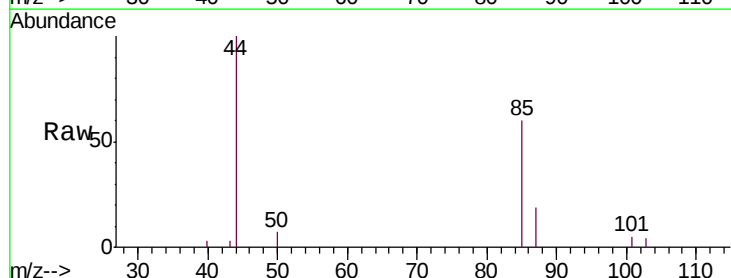
Acq: 24 Jan 2019 12:52

Tgt Ion: 85 Resp: 4915

Ion Ratio Lower Upper

85 100

87 31.4 16.0 47.9



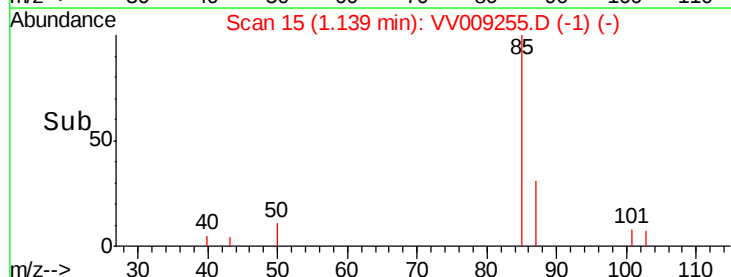
Abundance Ion 84.90 (84.60 to 85.60): VV009257.D (-7) (-)

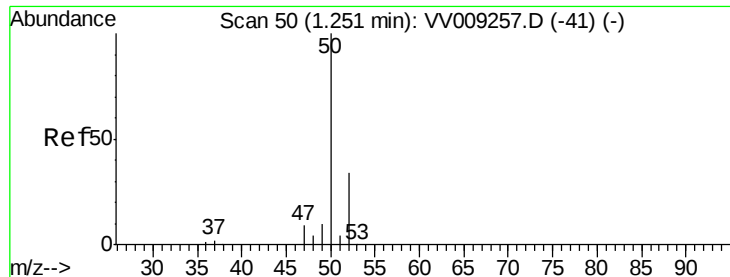
Ion 86.90 (86.60 to 87.60): VV009257.D (-7) (-)

1.14

1.10 1.15

Time-->





#3

Chloromethane

Concen: 9.823 ug/l

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

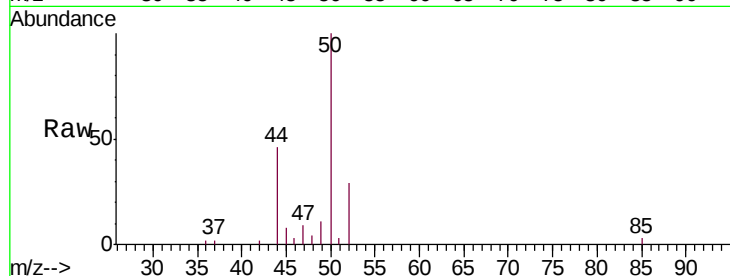
VSTDIC010

Tgt Ion: 50 Resp: 9429

Ion Ratio Lower Upper

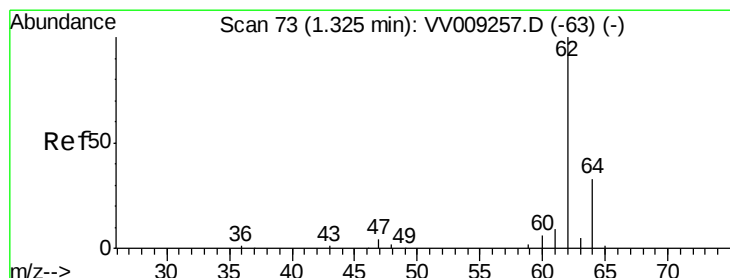
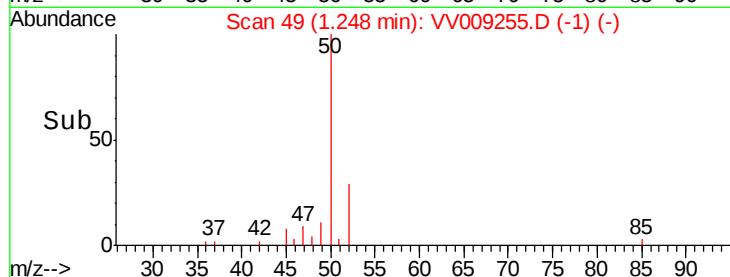
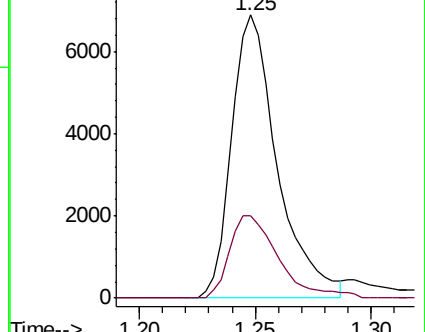
50 100

52 29.0 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VV009257.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VV009257.D (-41) (-)



#4

Vinyl Chloride

Concen: 8.925 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009255.D

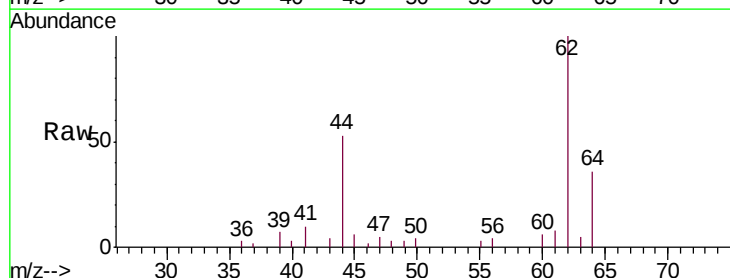
Acq: 24 Jan 2019 12:52

Tgt Ion: 62 Resp: 9528

Ion Ratio Lower Upper

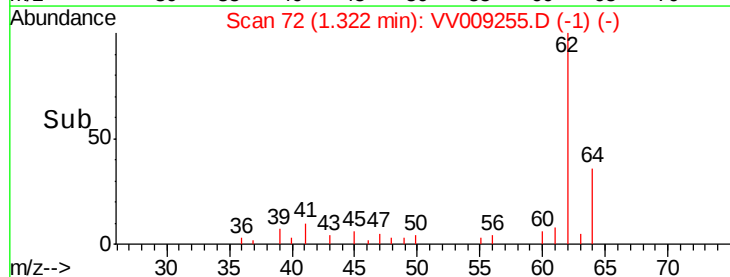
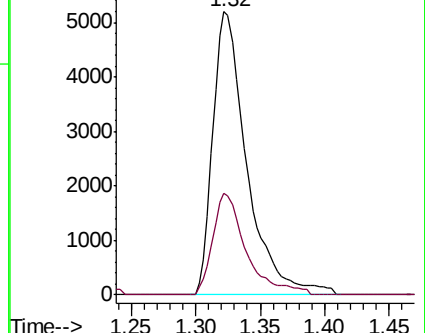
62 100

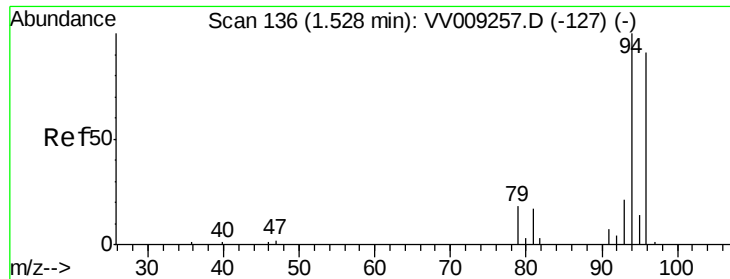
64 35.8 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VV009257.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VV009257.D (-63) (-)

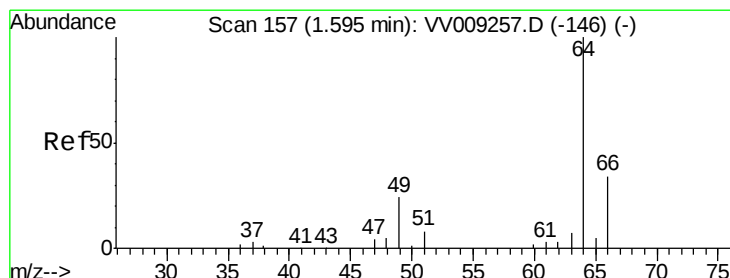
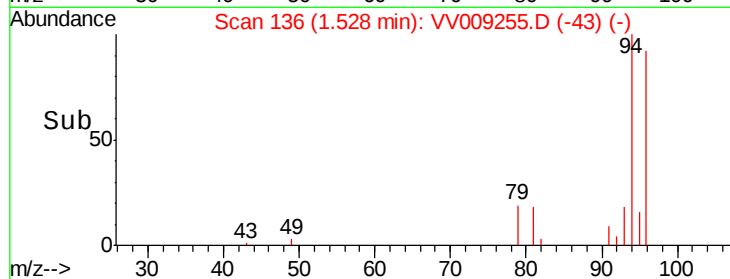
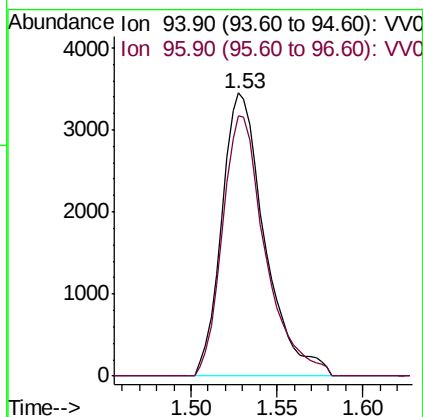
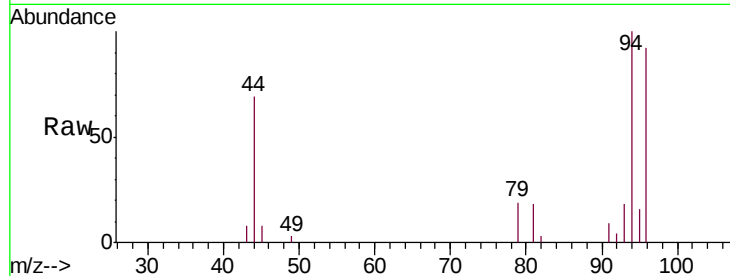




#5
Bromomethane
Concen: 10.011 ug/l
RT: 1.53 min Scan# 136
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

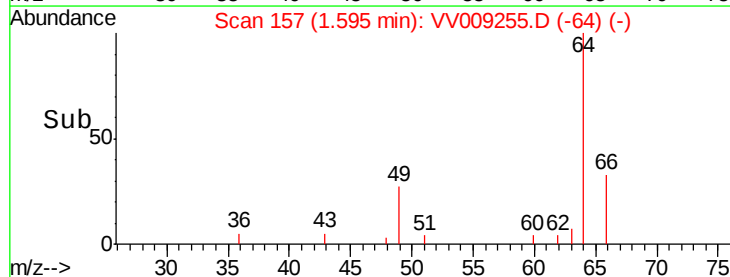
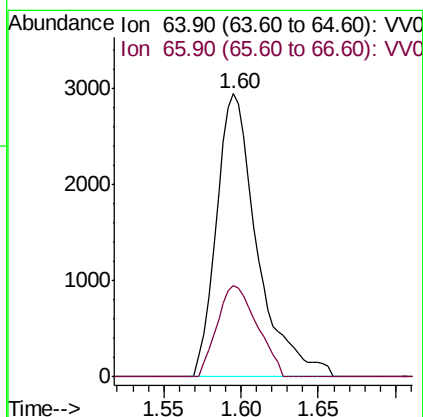
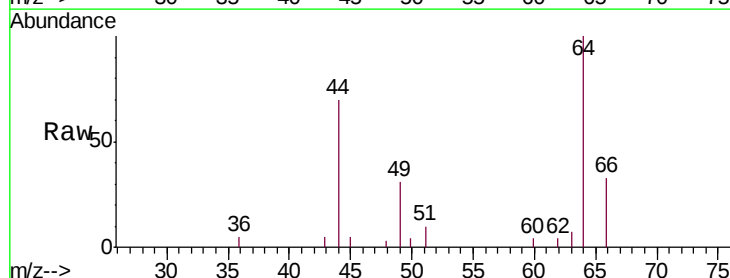
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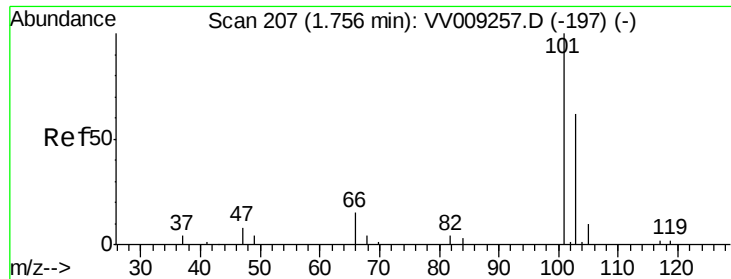
Tgt Ion: 94 Resp: 6004
Ion Ratio Lower Upper
94 100
96 91.9 73.0 109.6



#6
Chloroethane
Concen: 9.183 ug/l
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 64 Resp: 5394
Ion Ratio Lower Upper
64 100
66 32.5 27.0 40.6



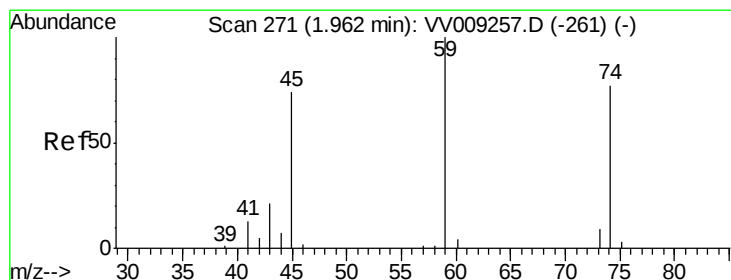
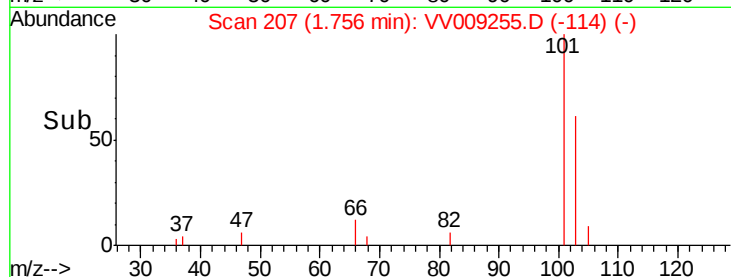
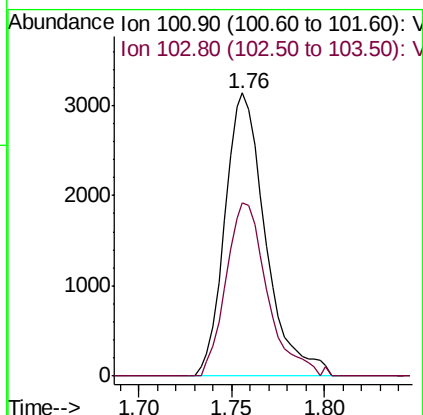
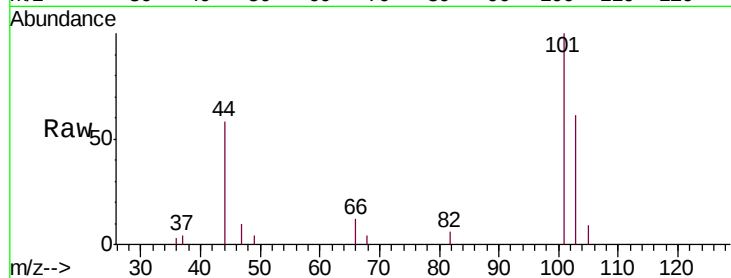


#7

Trichlorofluoromethane
 Concen: 6.794 ug/l
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

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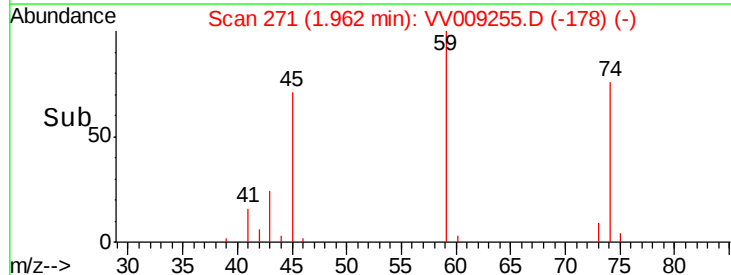
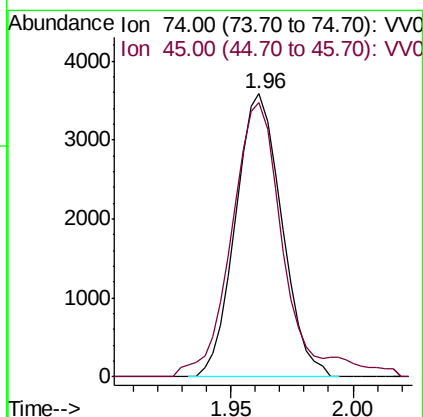
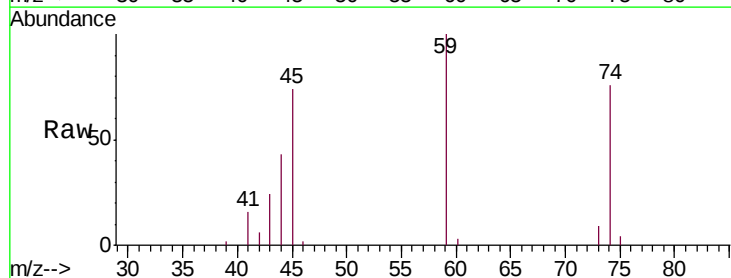
Tgt Ion: 101 Resp: 4779
 Ion Ratio Lower Upper
 101 100
 103 61.4 49.8 74.8

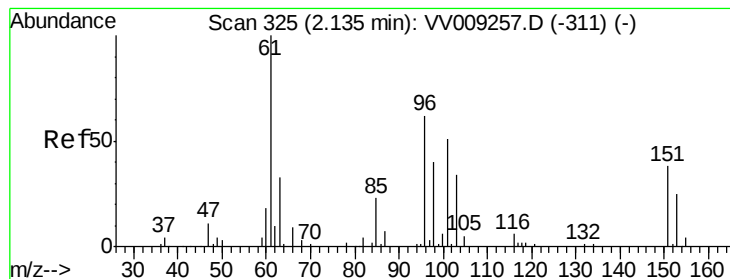


#8

Diethyl Ether
 Concen: 9.991 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion: 74 Resp: 4713
 Ion Ratio Lower Upper
 74 100
 45 109.2 47.4 142.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.010 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

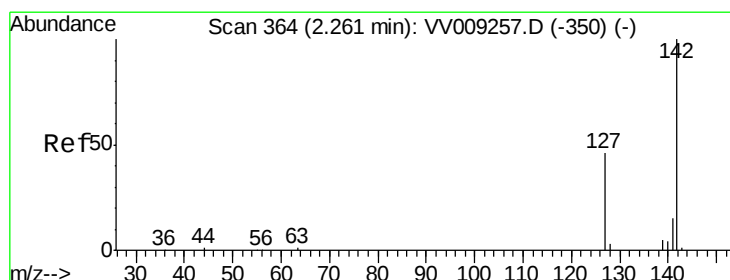
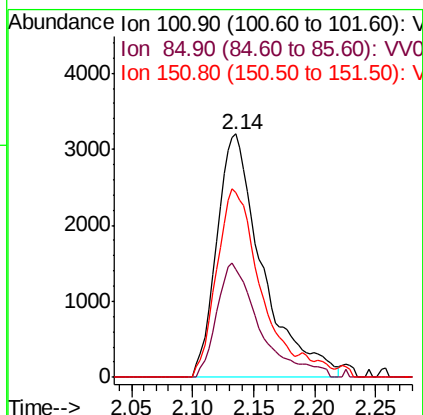
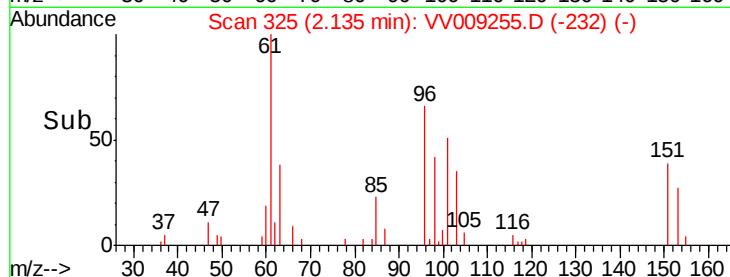
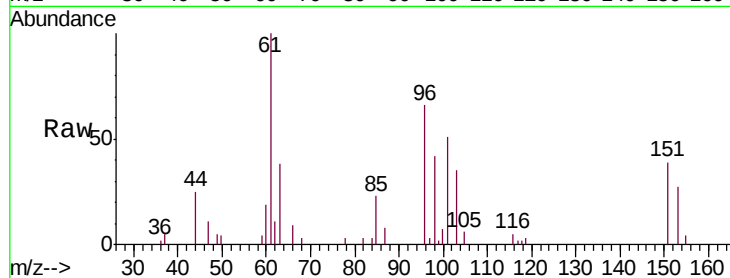
Tgt Ion:101 Resp: 8331

Ion Ratio Lower Upper

101 100

85 44.2 33.8 50.6

151 72.5 58.3 87.5



#10

Methyl Iodide

Concen: 9.864 ug/l

RT: 2.26 min Scan# 363

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

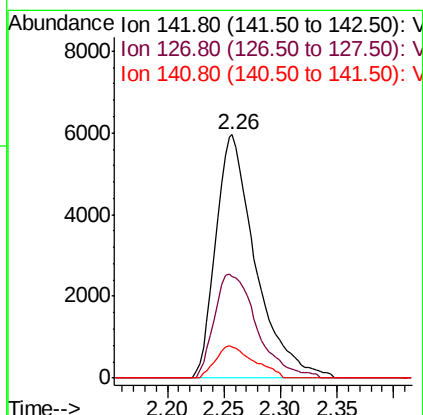
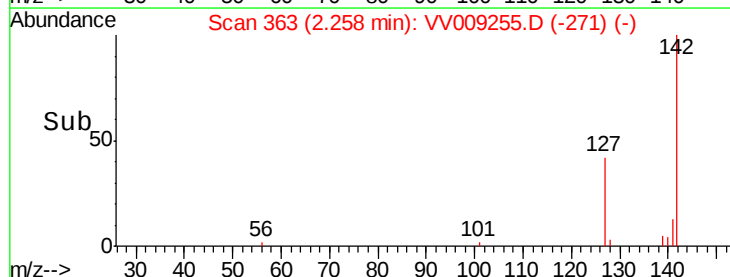
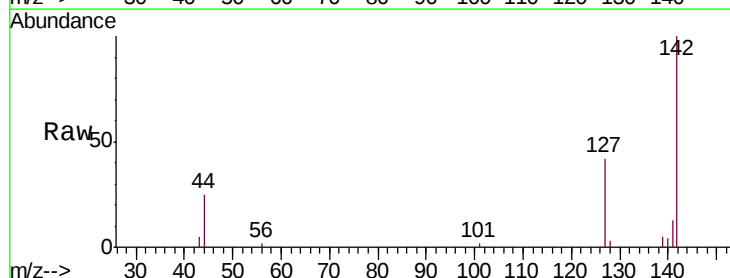
Tgt Ion:142 Resp: 14544

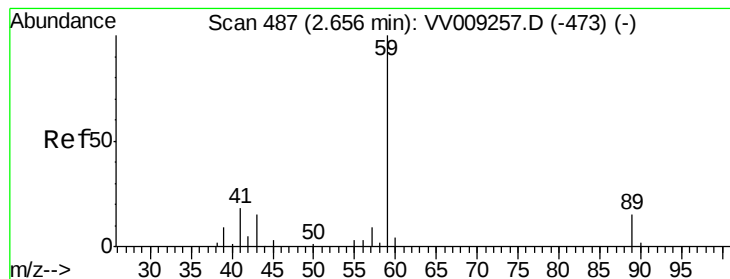
Ion Ratio Lower Upper

142 100

127 45.8 36.8 55.2

141 12.7 11.6 17.4



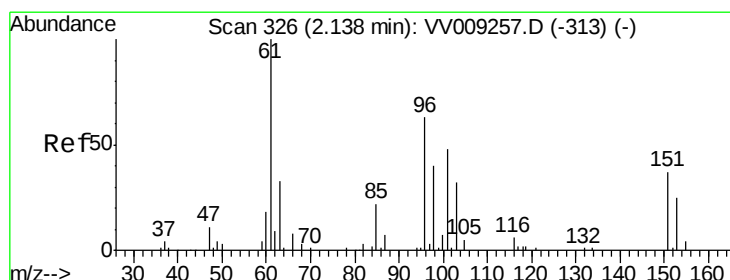
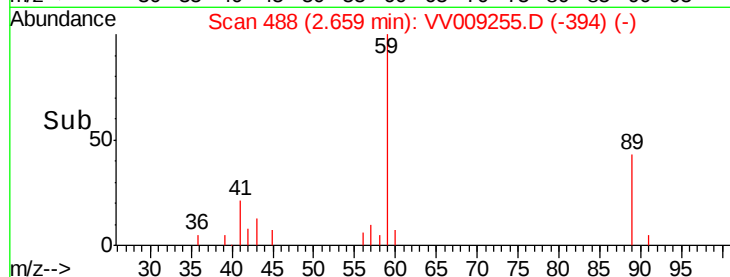
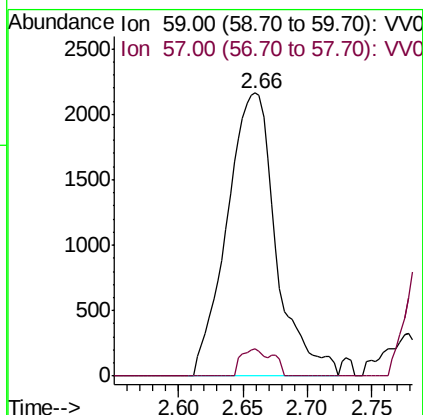
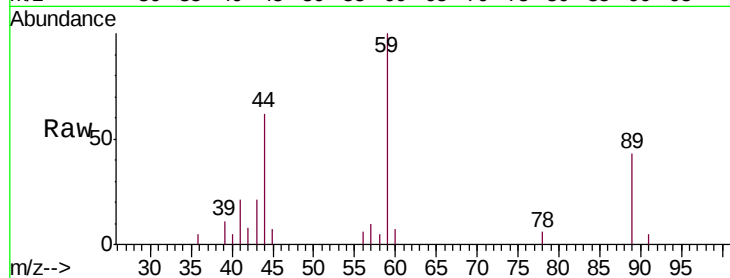


#11

Tert butyl alcohol
 Concen: 71.874 ug/l
 RT: 2.66 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

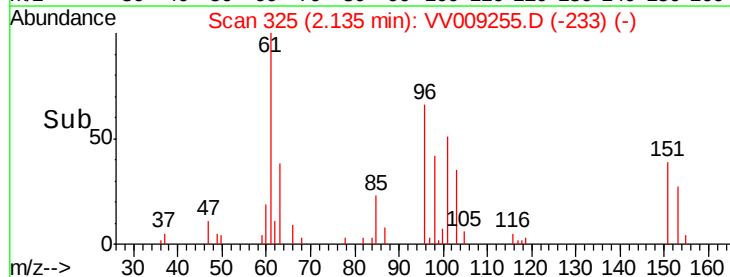
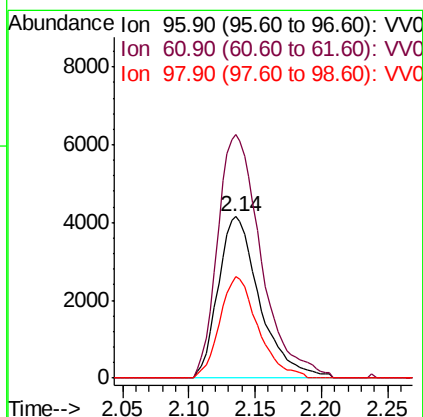
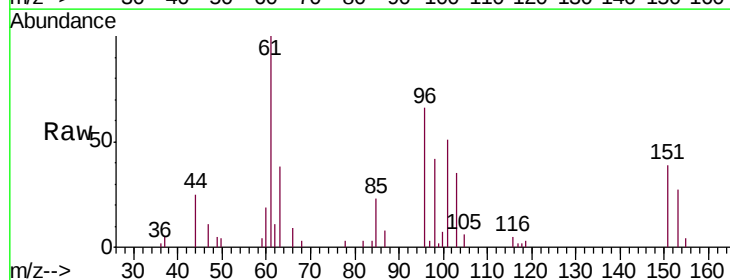
Tgt Ion: 59 Resp: 5740
 Ion Ratio Lower Upper
 59 100
 57 4.6 7.0 10.4#

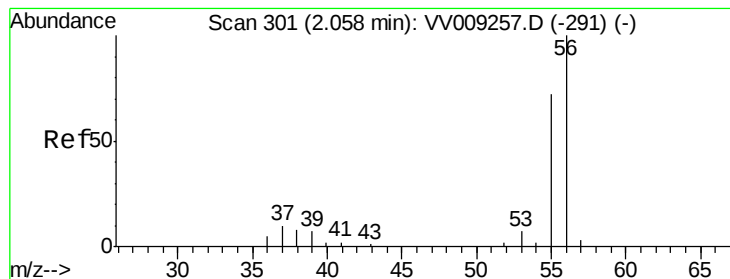


#12

1,1-Dichloroethene
 Concen: 9.908 ug/l
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion: 96 Resp: 9027
 Ion Ratio Lower Upper
 96 100
 61 150.8 127.2 190.8
 98 62.7 51.5 77.3





#13

Acrolein

Concen: 41.248 ug/l

RT: 2.05 min Scan# 300

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

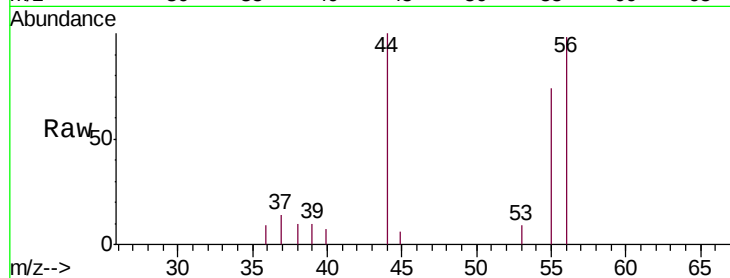
VSTDIC010

Tgt Ion: 56 Resp: 2506

Ion Ratio Lower Upper

56 100

55 79.1 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VV009255.D (-208) (-)

Ion 55.00 (54.70 to 55.70): VV009255.D (-208) (-)

2.05

1500

1000

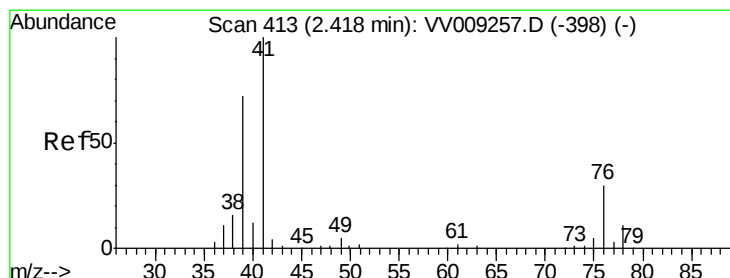
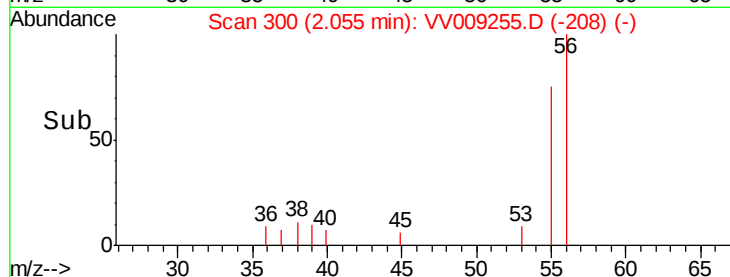
500

0

Time-->

2.05

2.10



#14

Allyl chloride

Concen: 8.936 ug/l

RT: 2.42 min Scan# 413

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

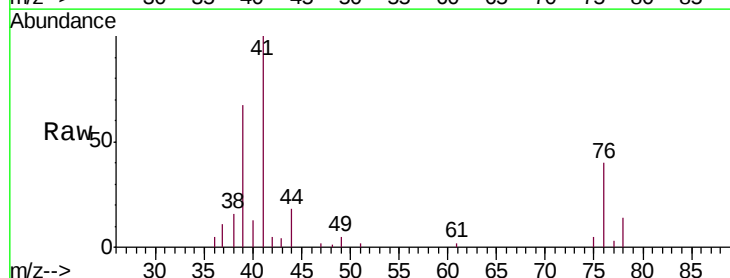
Tgt Ion: 41 Resp: 13666

Ion Ratio Lower Upper

41 100

39 68.4 56.4 84.6

76 38.5 30.6 46.0



Abundance Ion 41.00 (40.70 to 41.70): VV009255.D (-320) (-)

Ion 39.00 (38.70 to 39.70): VV009255.D (-320) (-)

Ion 75.90 (75.60 to 76.60): VV009255.D (-320) (-)

2.42

10000

5000

0

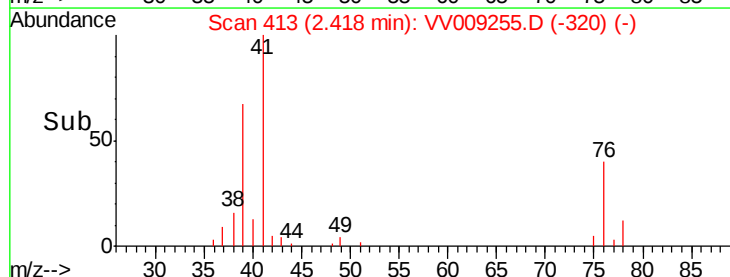
Time-->

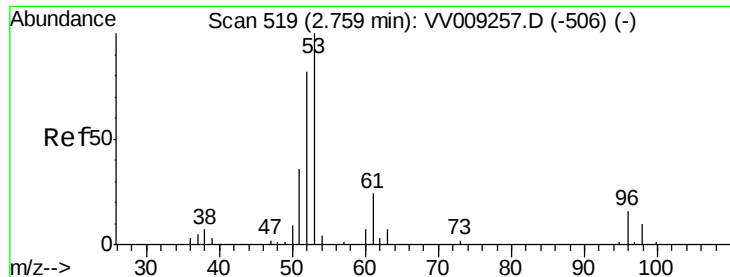
2.35

2.40

2.45

2.50





#15

Acrylonitrile

Concen: 50.662 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

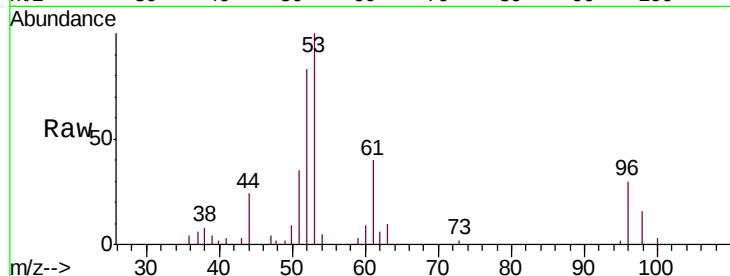
Tgt Ion: 53 Resp: 10545

Ion Ratio Lower Upper

53 100

52 84.1 67.2 100.8

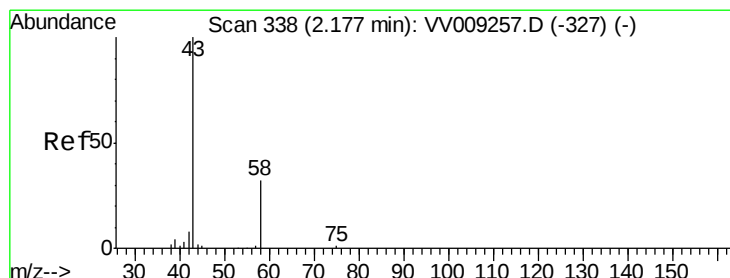
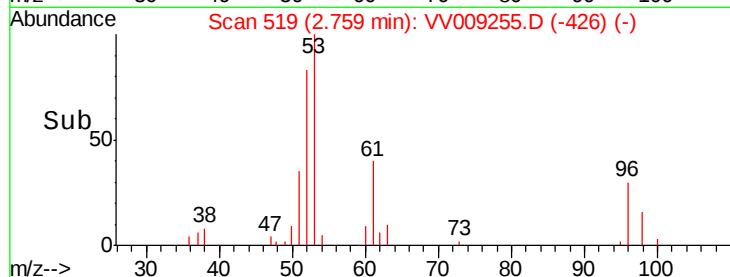
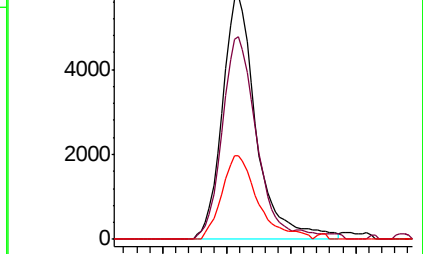
51 36.4 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VV009255.D (-246) (-)

Ion 52.00 (51.70 to 52.70): VV009255.D (-246) (-)

Ion 51.00 (50.70 to 51.70): VV009255.D (-246) (-)



#16

Acetone

Concen: 56.105 ug/l

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VV009255.D

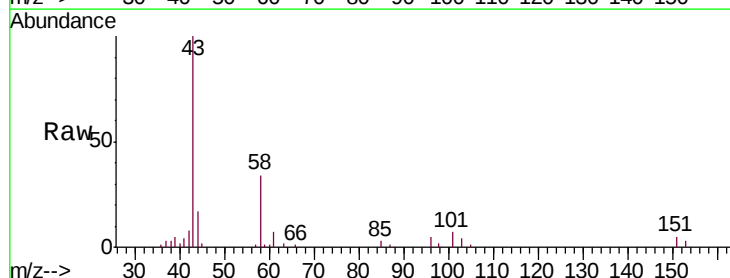
Acq: 24 Jan 2019 12:52

Tgt Ion: 43 Resp: 15935

Ion Ratio Lower Upper

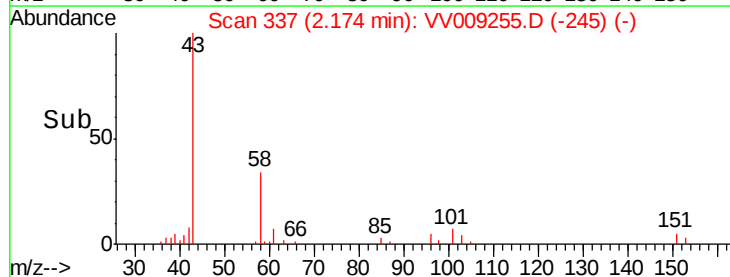
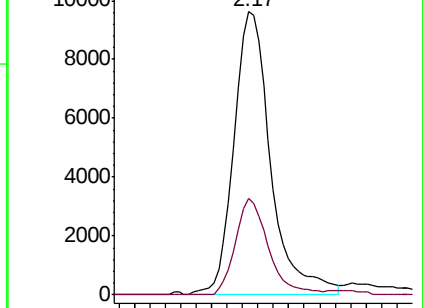
43 100

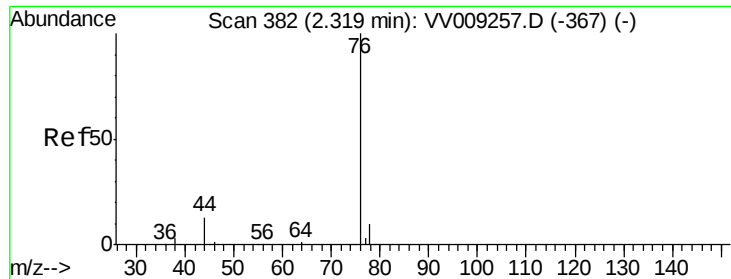
58 34.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VV009255.D (-245) (-)

Ion 58.00 (57.70 to 58.70): VV009255.D (-245) (-)

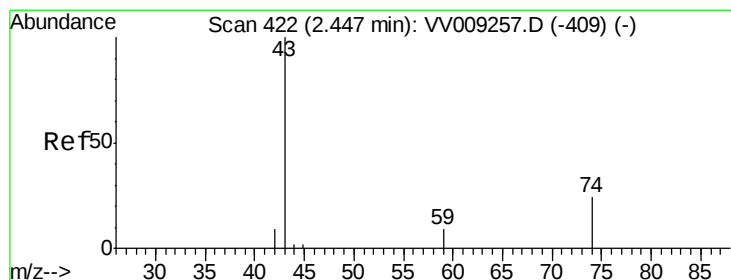
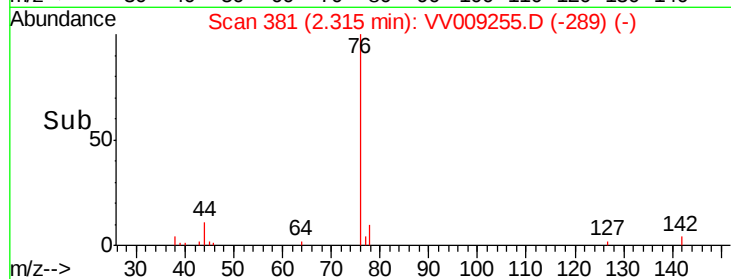
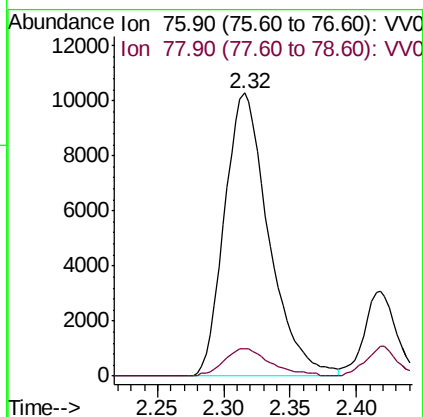
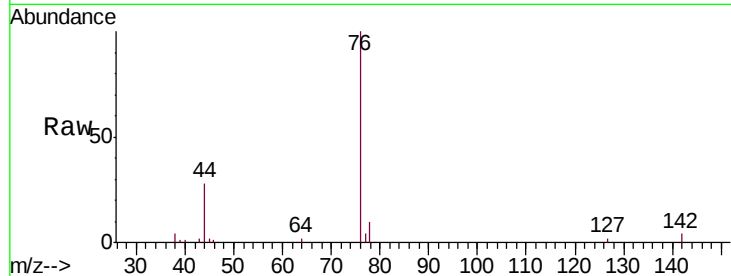




#17
Carbon Disulfide
Concen: 8.648 ug/l
RT: 2.32 min Scan# 381
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

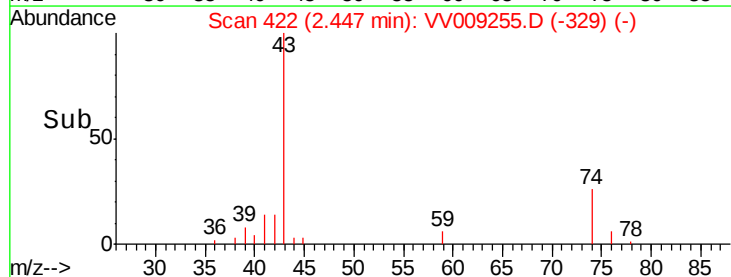
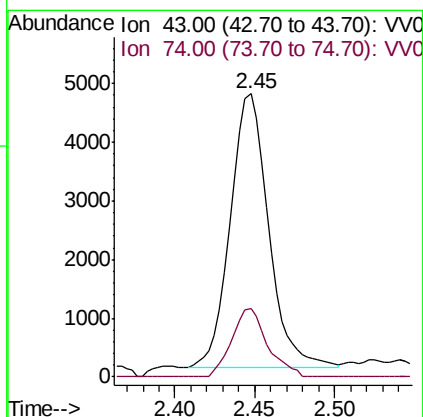
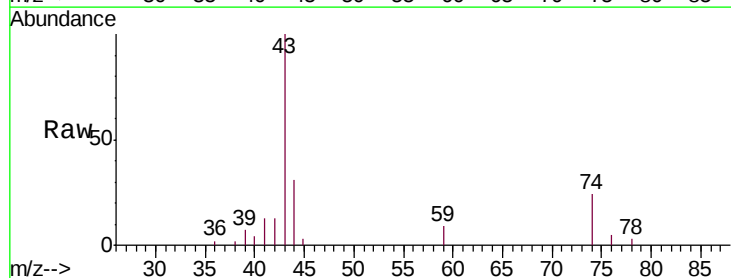
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

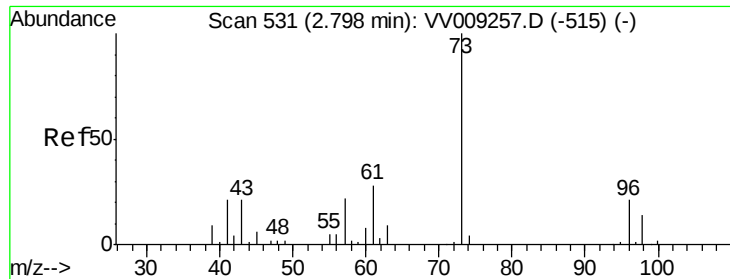
Tgt Ion: 76 Resp: 23880
Ion Ratio Lower Upper
76 100
78 9.9 7.9 11.9



#18
Methyl Acetate
Concen: 9.998 ug/l
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 43 Resp: 7648
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2

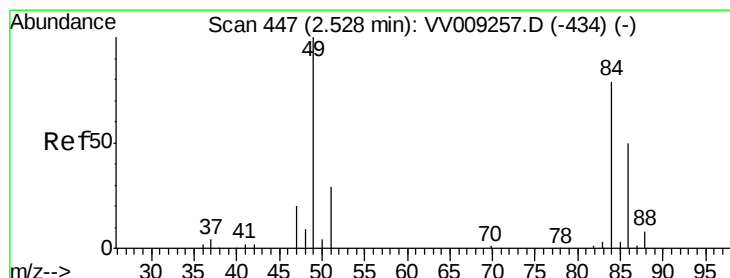
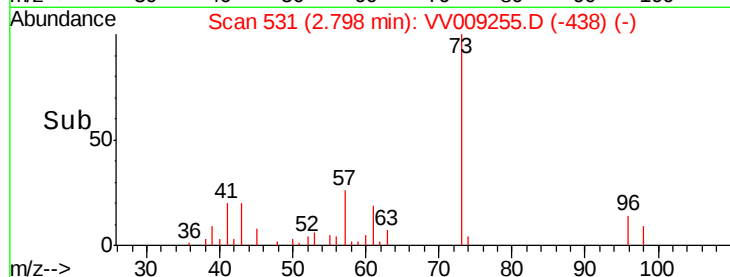
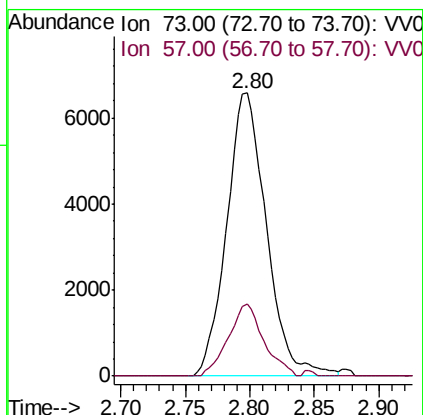
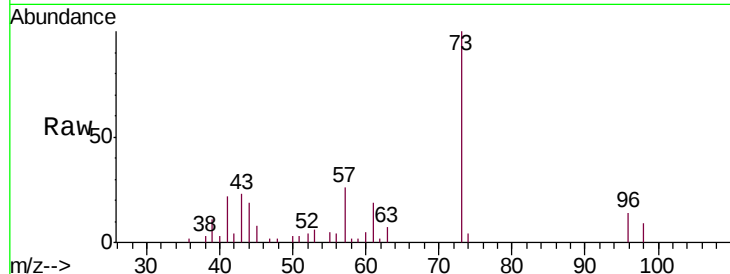




#19
Methyl tert-butyl Ether
Concen: 9.893 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

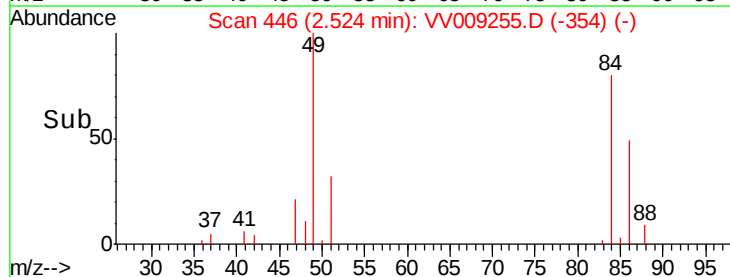
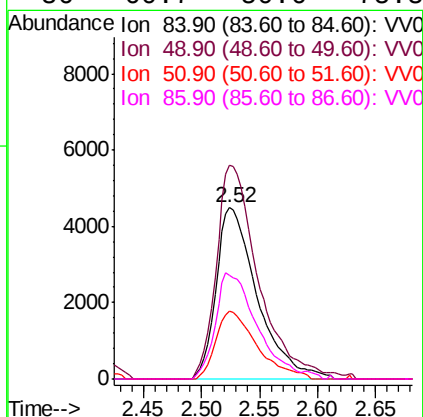
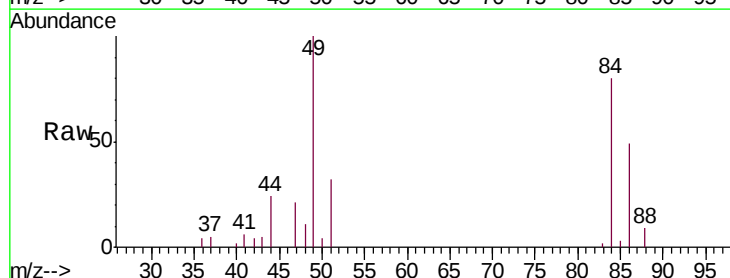
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

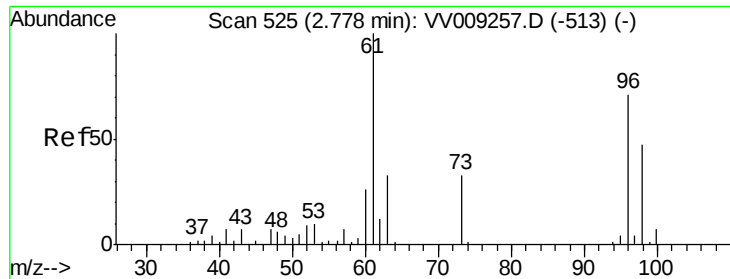
Tgt Ion: 73 Resp: 14098
Ion Ratio Lower Upper
73 100
57 25.7 17.3 25.9



#20
Methylene Chloride
Concen: 10.501 ug/l
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 84 Resp: 11123
Ion Ratio Lower Upper
84 100
49 124.6 101.5 152.3
51 39.4 29.6 44.4
86 60.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 9.486 ug/l

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

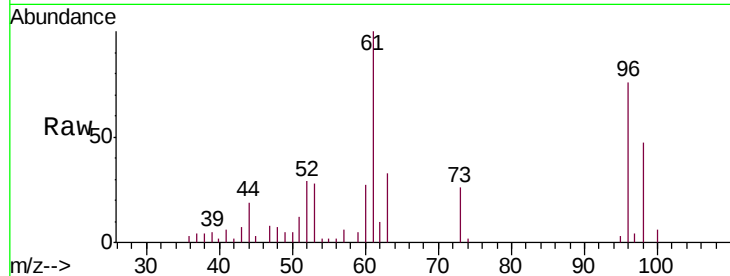
Tgt Ion: 96 Resp: 9207

Ion Ratio Lower Upper

96 100

61 132.1 112.1 168.1

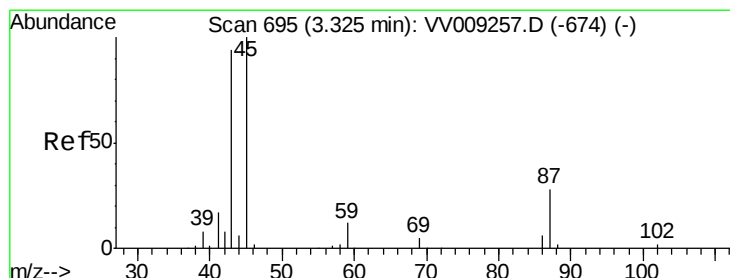
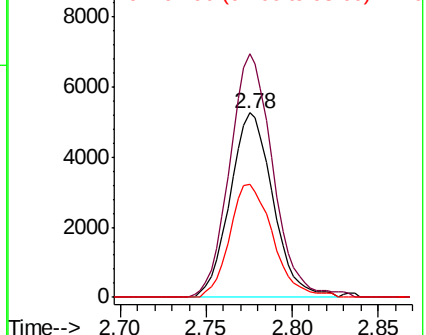
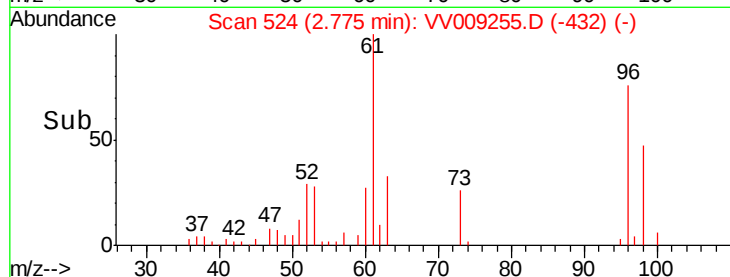
98 61.5 52.8 79.2



Abundance Ion 95.90 (95.60 to 96.60): VV009255.D (-432) (-)

Ion 60.90 (60.60 to 61.60): VV009255.D (-432) (-)

Ion 97.90 (97.60 to 98.60): VV009255.D (-432) (-)



#22

Diisopropyl ether

Concen: 9.944 ug/l

RT: 3.33 min Scan# 696

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion: 45 Resp: 32905

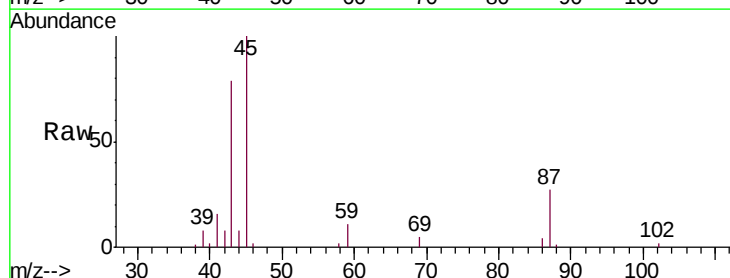
Ion Ratio Lower Upper

45 100

43 76.4 75.3 112.9

87 27.3 22.4 33.6

59 11.0 9.3 13.9

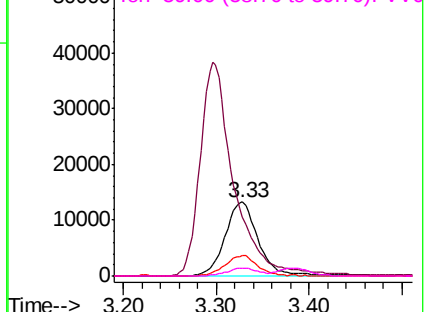
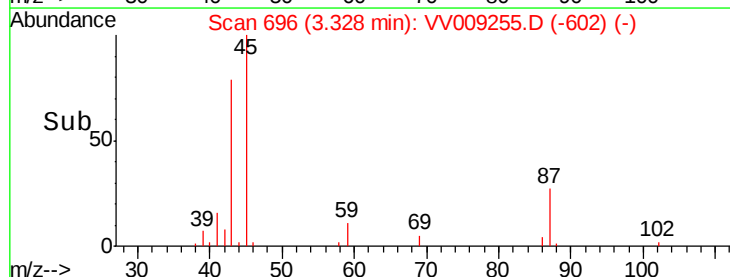


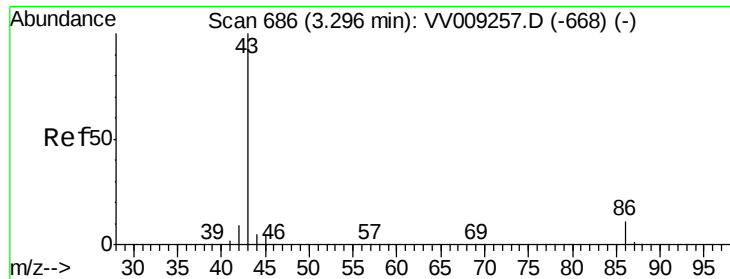
Abundance Ion 45.00 (44.70 to 45.70): VV009255.D (-602) (-)

Ion 43.00 (42.70 to 43.70): VV009255.D (-602) (-)

Ion 87.00 (86.70 to 87.70): VV009255.D (-602) (-)

Ion 59.00 (58.70 to 59.70): VV009255.D (-602) (-)





#23

Vinyl Acetate

Concen: 52.811 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

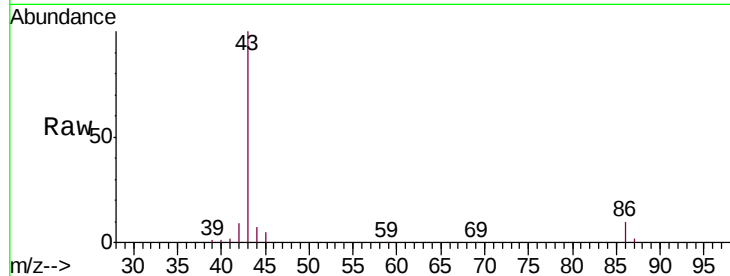
VSTDIC010

Tgt Ion: 43 Resp: 97128

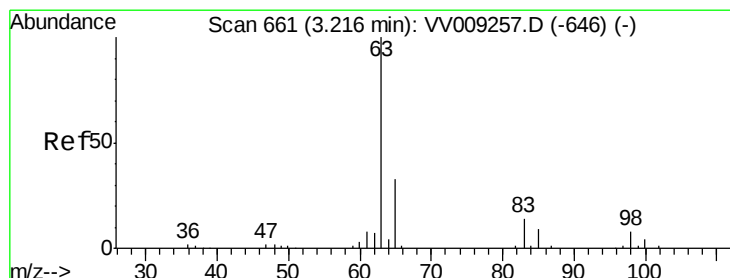
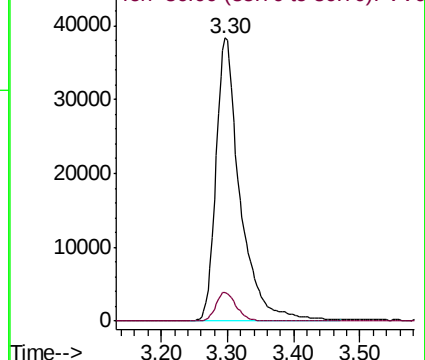
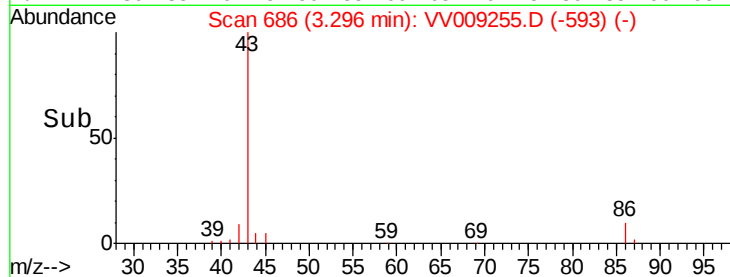
Ion Ratio Lower Upper

43 100

86 10.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VV009255.D (-593) (-)



#24

1,1-Dichloroethane

Concen: 9.908 ug/l

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

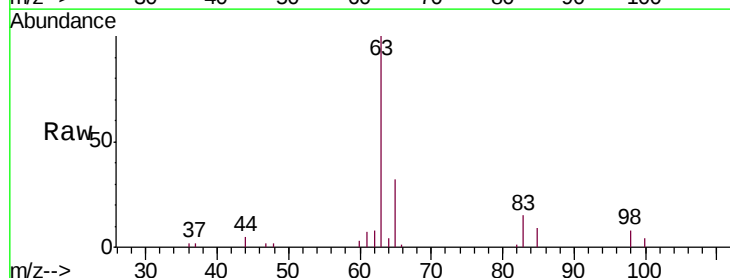
Tgt Ion: 63 Resp: 20371

Ion Ratio Lower Upper

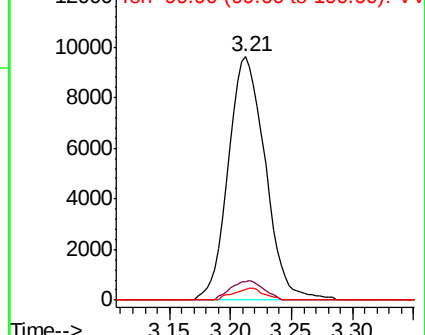
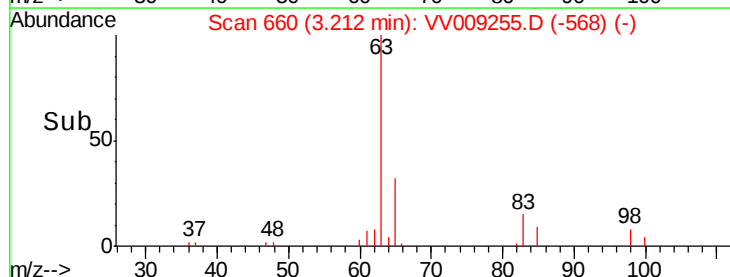
63 100

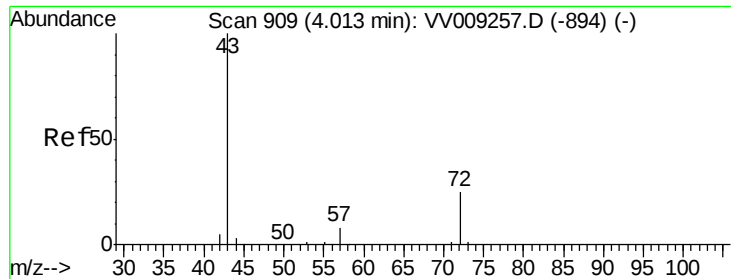
98 7.7 3.8 11.4

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VV009255.D (-568) (-)

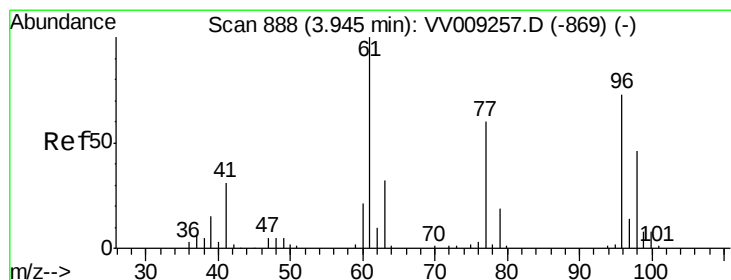
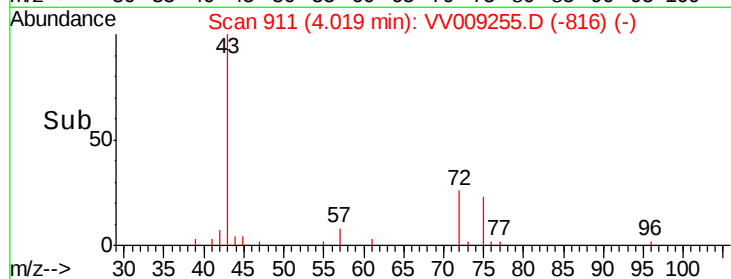
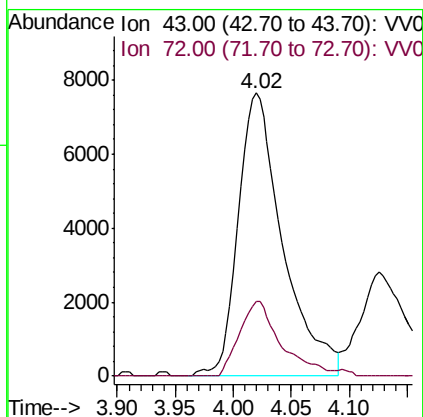
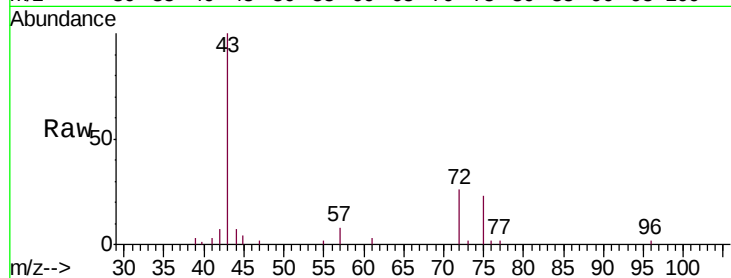




#25
2-Butanone
Concen: 61.337 ug/l
RT: 4.02 min Scan# 911
Delta R.T. 0.01 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

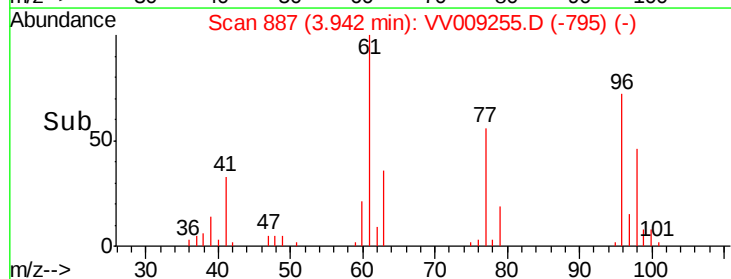
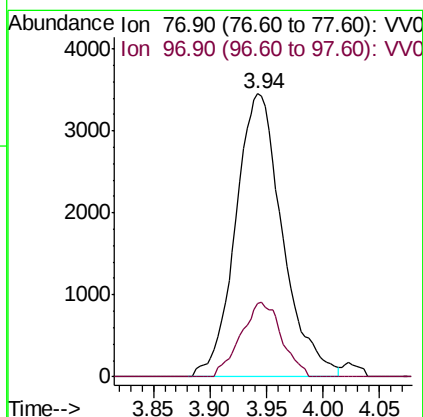
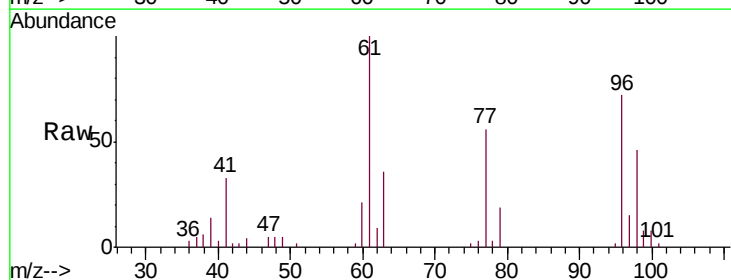
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

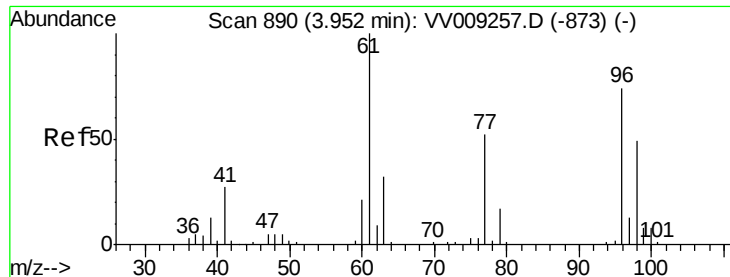
Tgt Ion: 43 Resp: 20504
Ion Ratio Lower Upper
43 100
72 26.5 20.2 30.4



#26
2,2-Dichloropropane
Concen: 8.783 ug/l
RT: 3.94 min Scan# 887
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 77 Resp: 9947
Ion Ratio Lower Upper
77 100
97 22.9 11.7 35.1



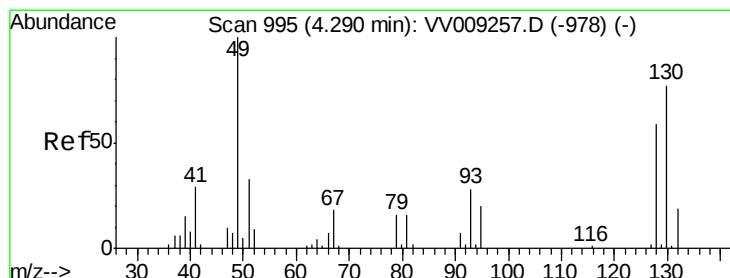
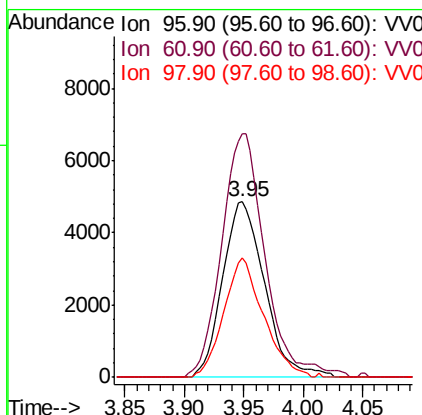
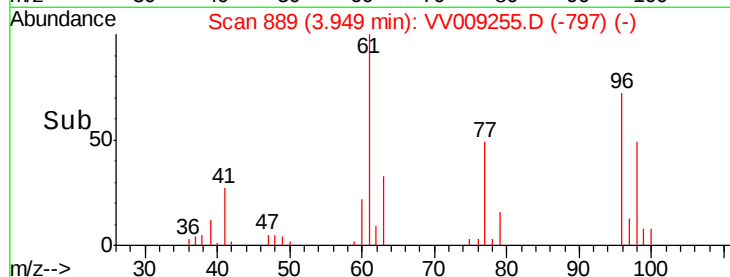
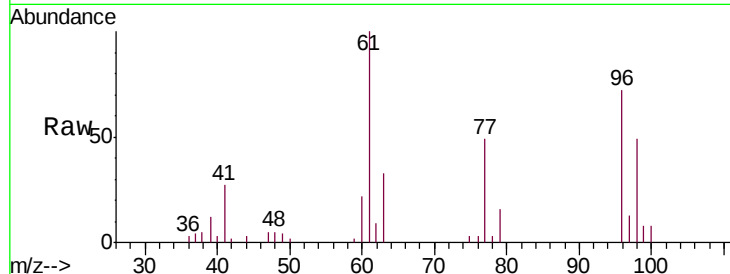


#27

cis-1,2-Dichloroethene
Concen: 10.085 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

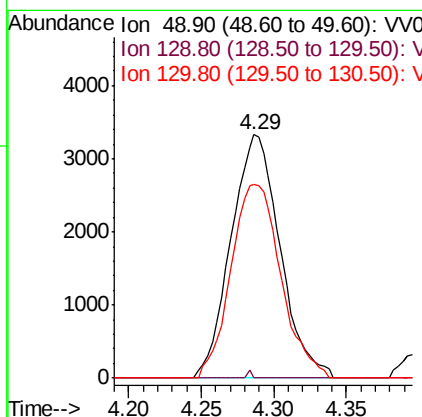
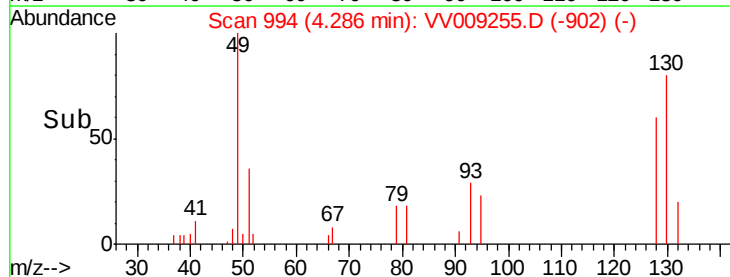
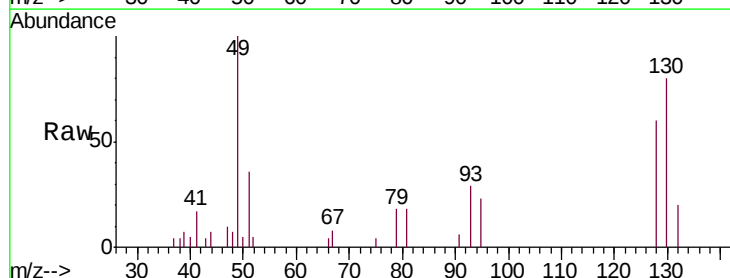
Tgt Ion: 96 Resp: 11897
Ion Ratio Lower Upper
96 100
61 143.5 0.0 277.6
98 64.2 0.0 127.6

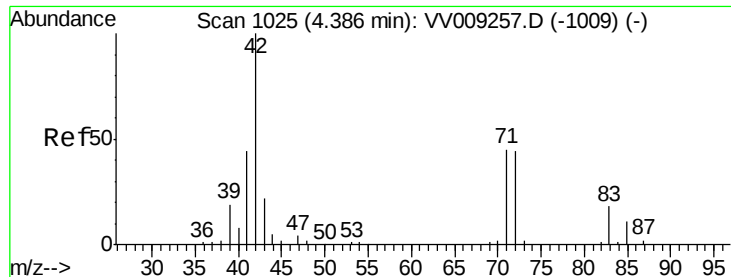


#28

Bromochloromethane
Concen: 10.047 ug/l
RT: 4.29 min Scan# 994
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 49 Resp: 7822
Ion Ratio Lower Upper
49 100
129 0.3 0.0 3.6
130 80.9 63.8 95.8

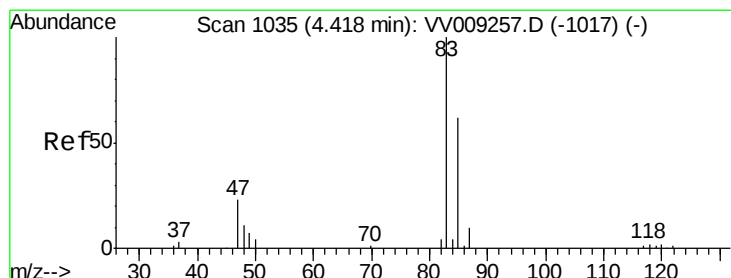
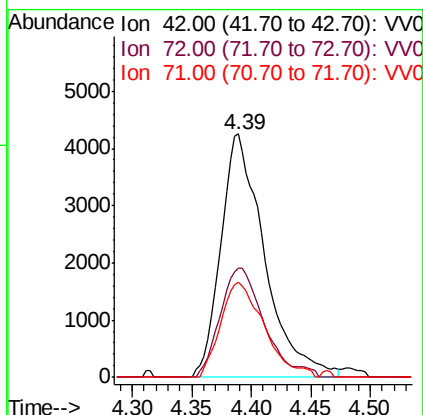
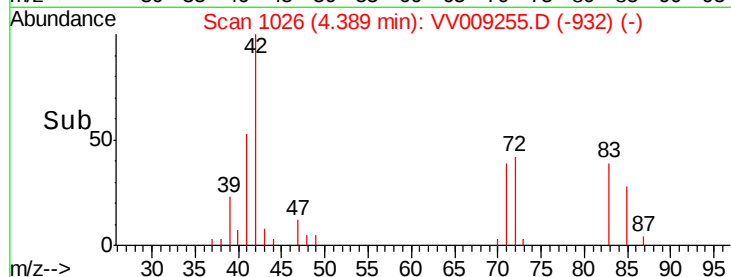
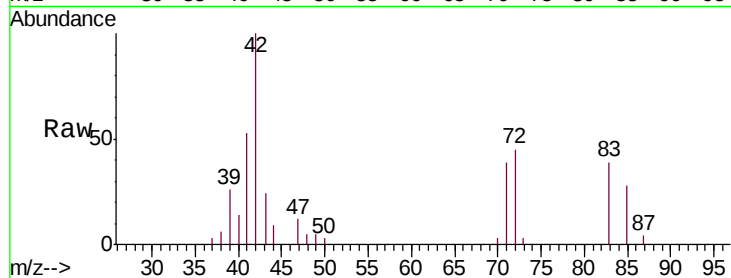




#29
Tetrahydrofuran
Concen: 58.353 ug/l
RT: 4.39 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

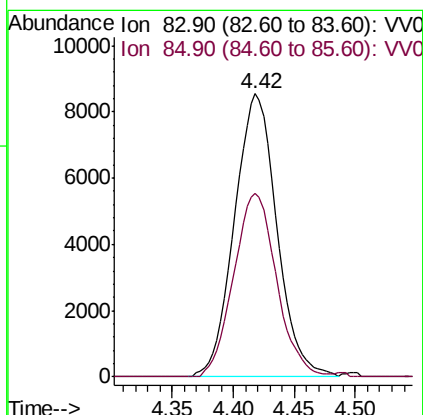
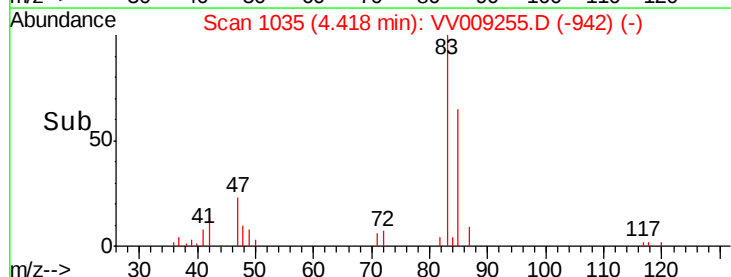
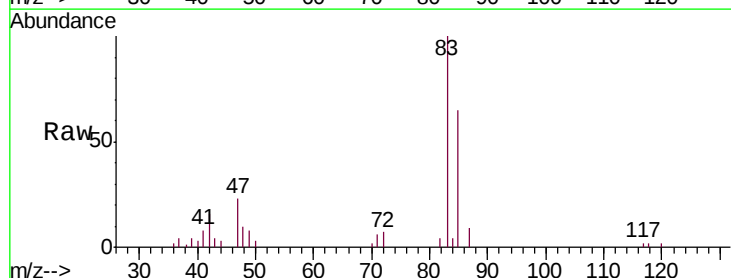
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

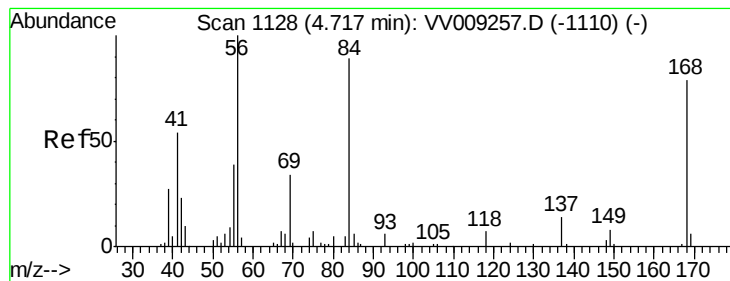
Tgt Ion: 42 Resp: 10813
Ion Ratio Lower Upper
42 100
72 45.3 36.0 54.0
71 39.0 33.3 49.9



#30
Chloroform
Concen: 9.979 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 83 Resp: 20558
Ion Ratio Lower Upper
83 100
85 64.6 49.9 74.9





#31

Cyclohexane

Concen: 9.921 ug/l

RT: 4.71 min Scan# 1127

Delta R.T. -0.00 min

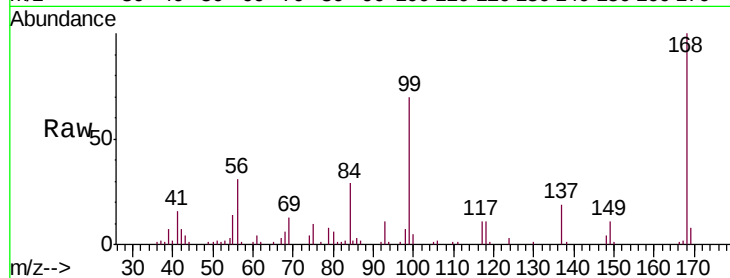
Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

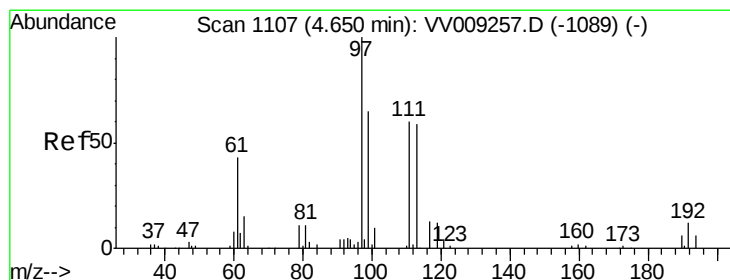
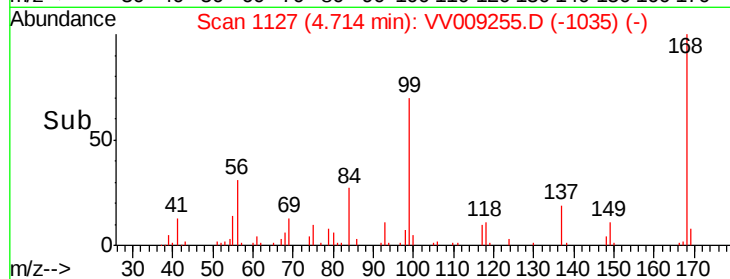
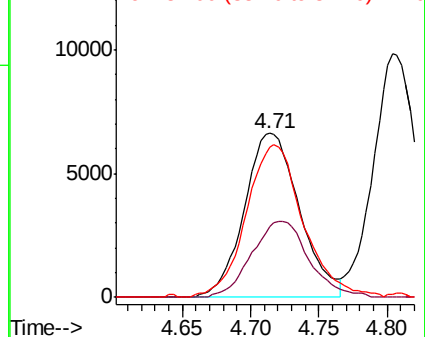
Instrument :
MSVOA_V
ClientSampled :
VSTDIC010

Tgt Ion: 56 Resp: 18650

Ion	Ratio	Lower	Upper
56	100		
69	42.8	27.5	41.3#
84	91.8	70.9	106.3



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#32

1,1,1-Trichloroethane

Concen: 9.440 ug/l

RT: 4.65 min Scan# 1106

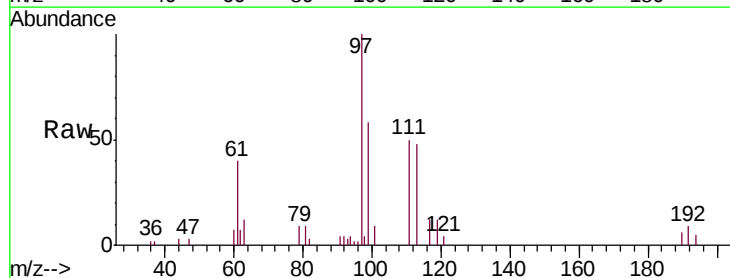
Delta R.T. -0.00 min

Lab File: VV009255.D

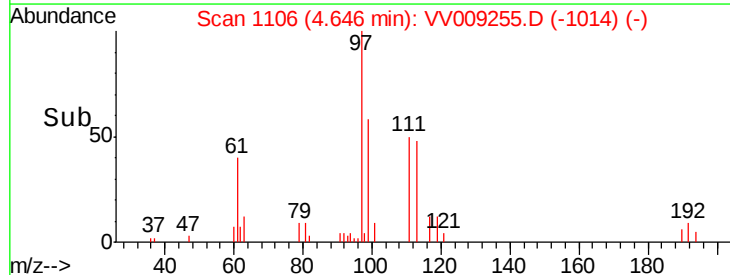
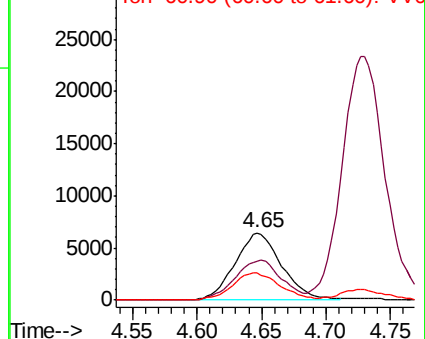
Acq: 24 Jan 2019 12:52

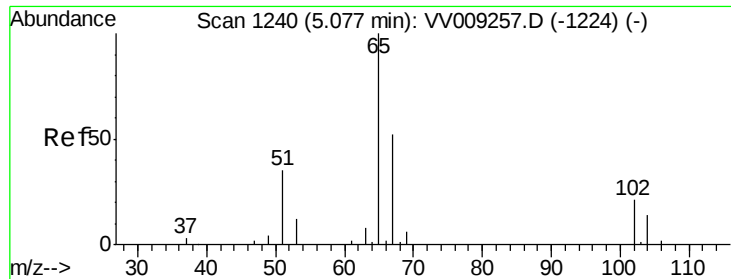
Tgt Ion: 97 Resp: 16208

Ion	Ratio	Lower	Upper
97	100		
99	59.5	49.8	74.8
61	41.0	33.4	50.0



Abundance Ion 96.90 (96.60 to 97.60): VV0
Ion 98.90 (98.60 to 99.60): VV0
Ion 60.90 (60.60 to 61.60): VV0

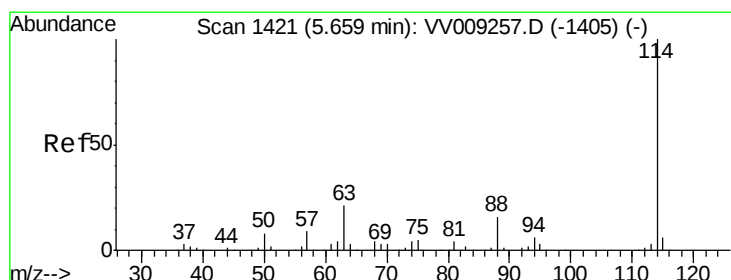
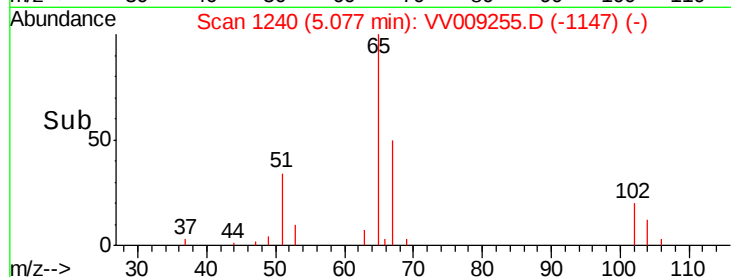
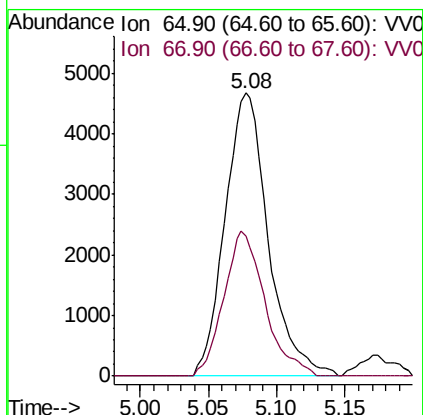
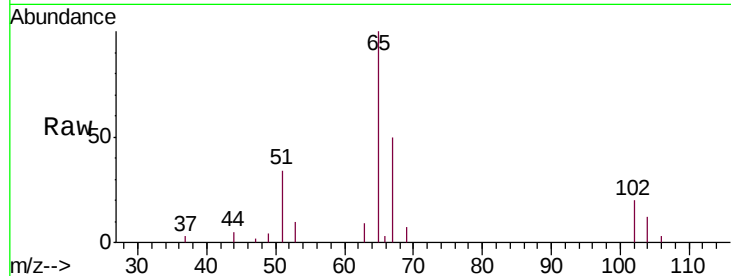




#33
 1,2-Dichloroethane-d4
 Concen: 9.461 ug/l
 RT: 5.08 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

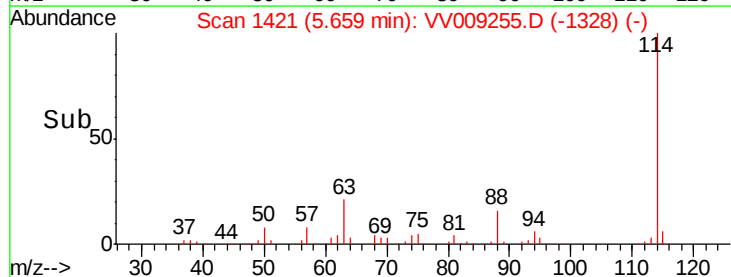
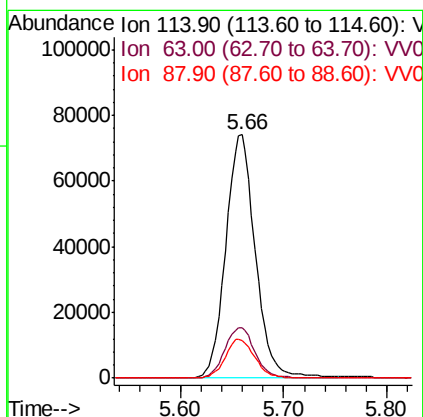
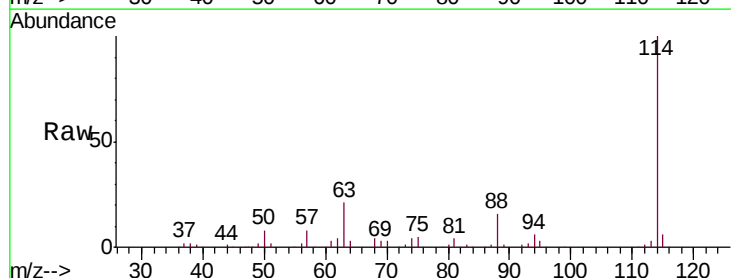
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

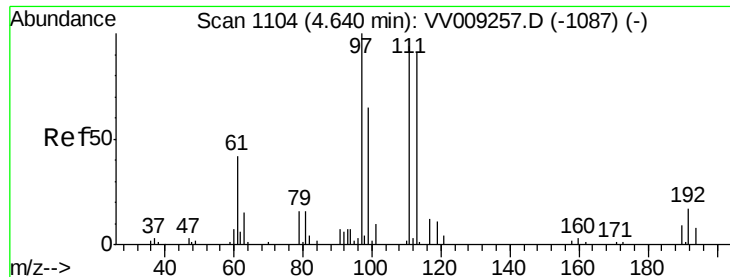
Tgt Ion: 65 Resp: 10261
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion: 114 Resp: 148128
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 9.165 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

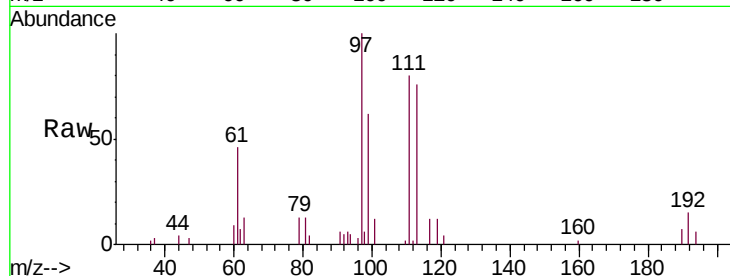
Tgt Ion:113 Resp: 9049

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

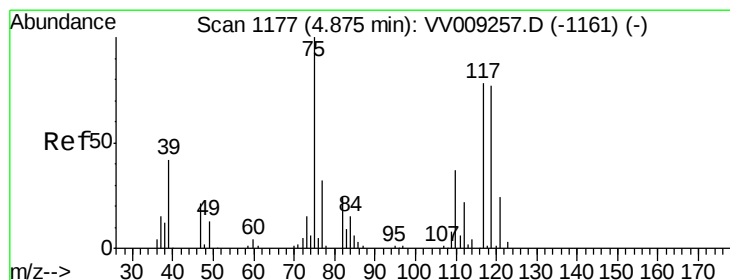
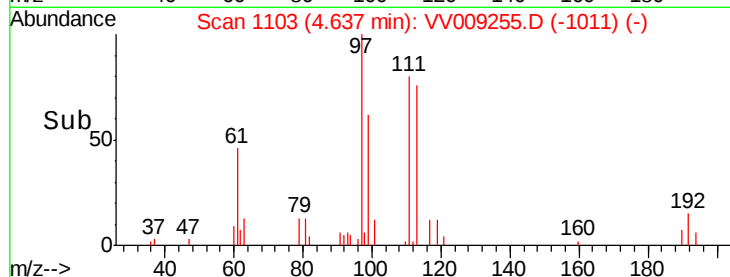
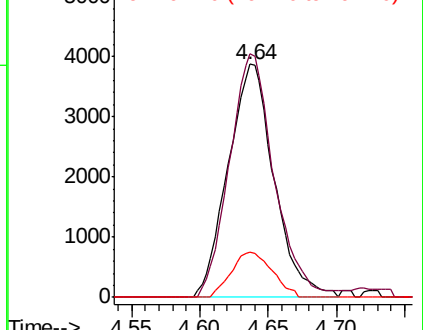
192 17.3 15.0 22.6



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: 9.143 ug/l

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

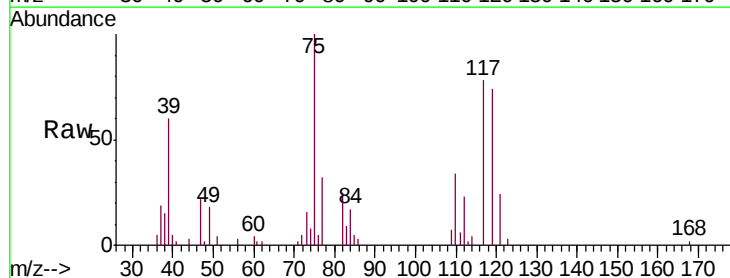
Tgt Ion: 75 Resp: 14720

Ion Ratio Lower Upper

75 100

110 35.7 17.6 52.9

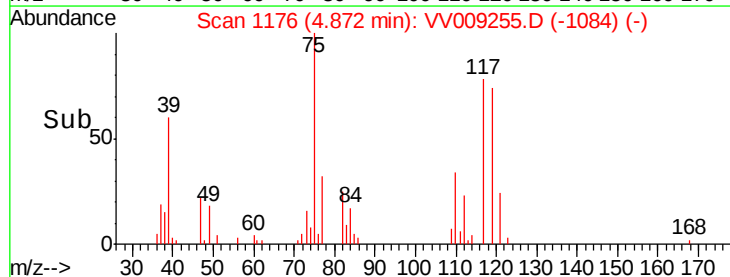
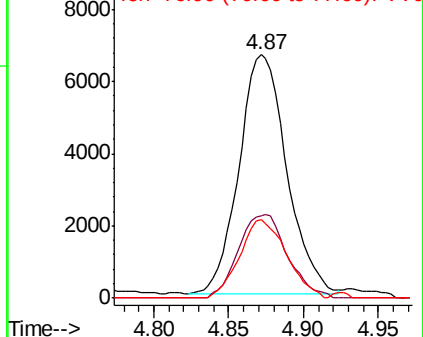
77 32.1 25.5 38.3

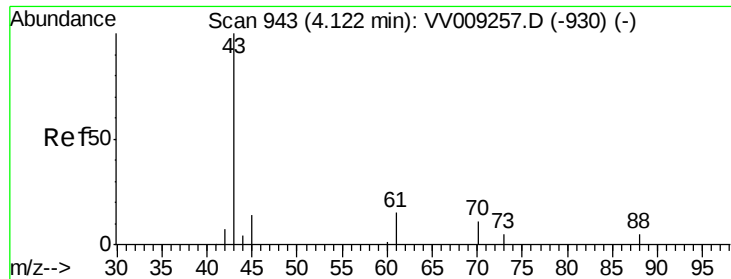


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0

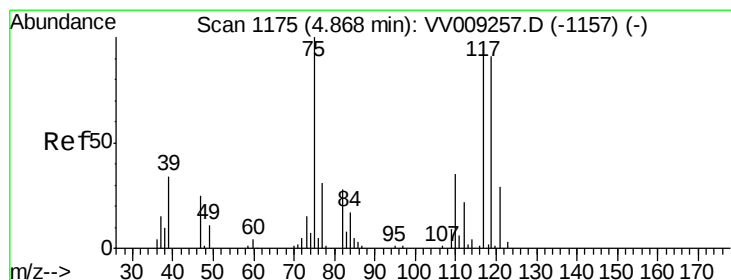
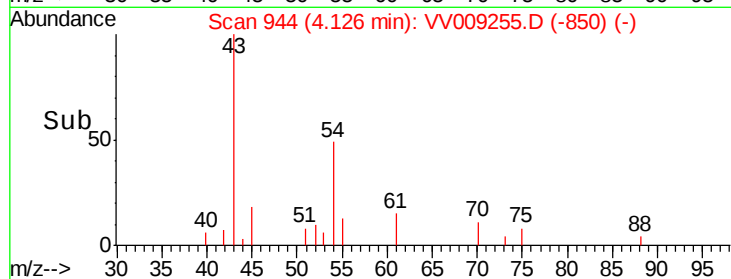
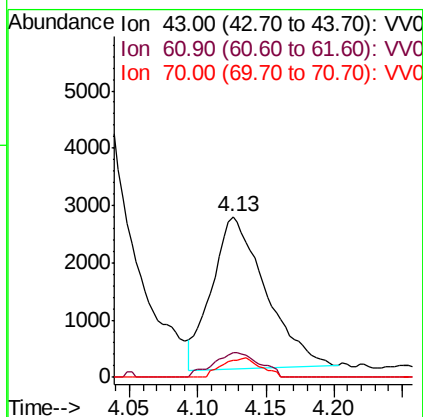
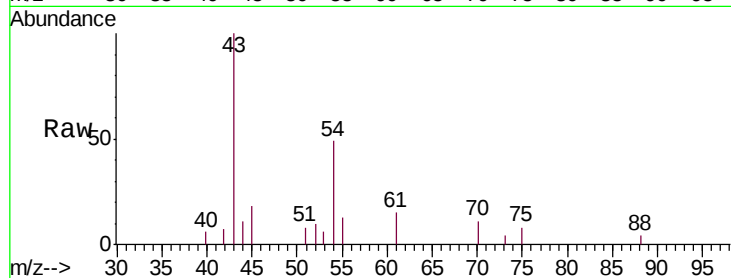




#37
Ethyl Acetate
Concen: 11.109 ug/l
RT: 4.13 min Scan# 944
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

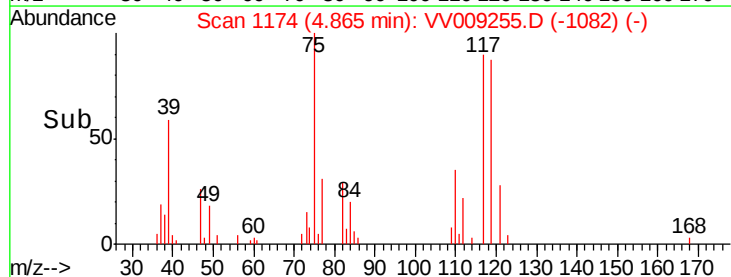
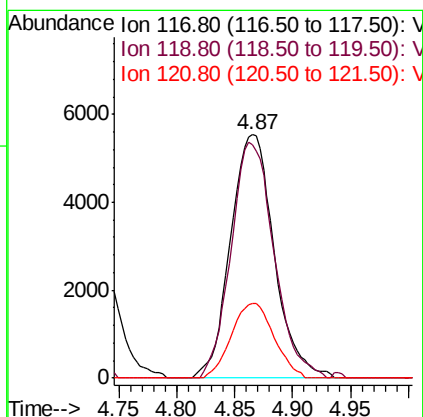
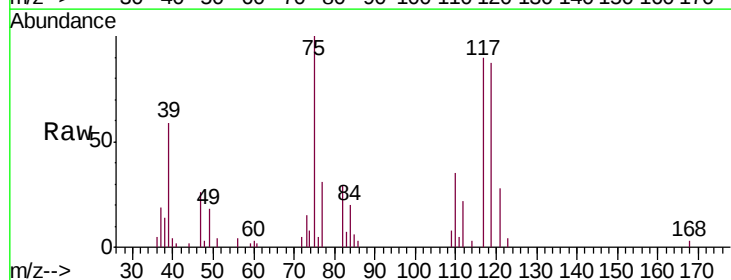
Instrument :
MSVOA_V
ClientSampled :
VSTDIC010

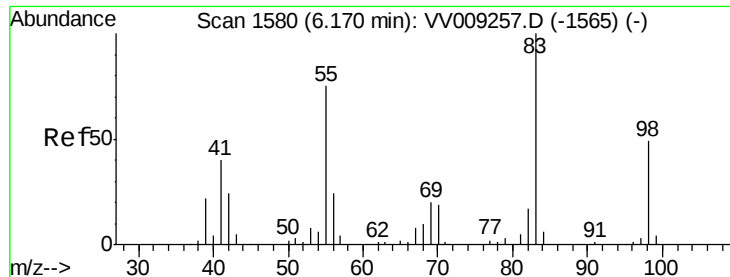
Tgt Ion: 43 Resp: 7250
Ion Ratio Lower Upper
43 100
61 14.2 10.6 15.8
70 9.1 8.0 12.0



#38
Carbon Tetrachloride
Concen: 9.091 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 117 Resp: 14504
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.2
121 30.8 24.8 37.2

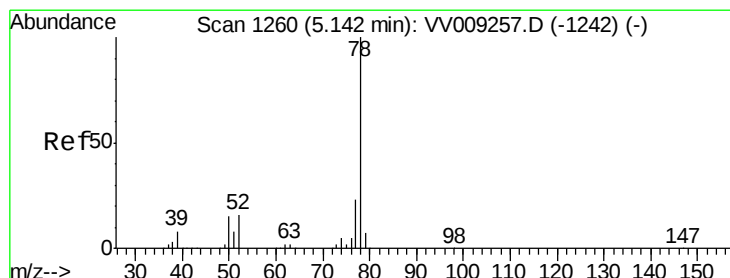
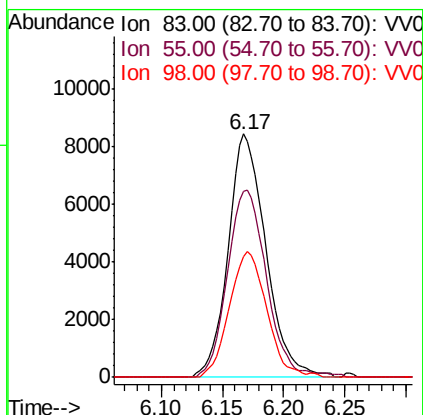
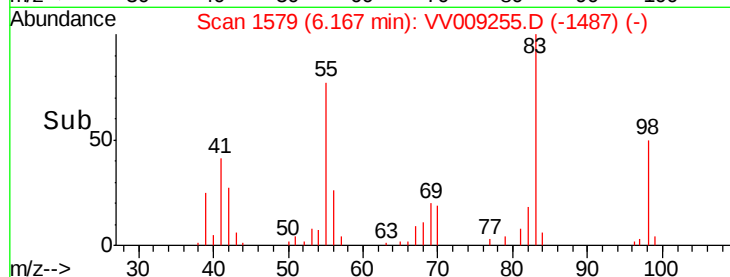
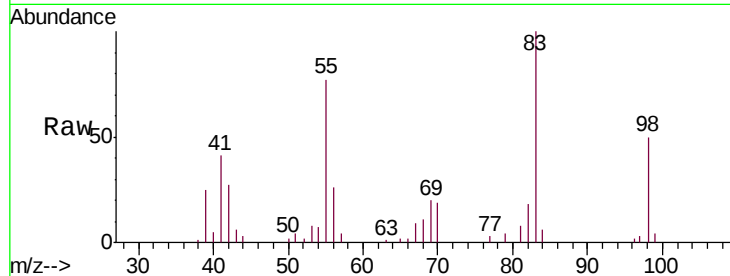




#39
Methylcyclohexane
Concen: 9.503 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

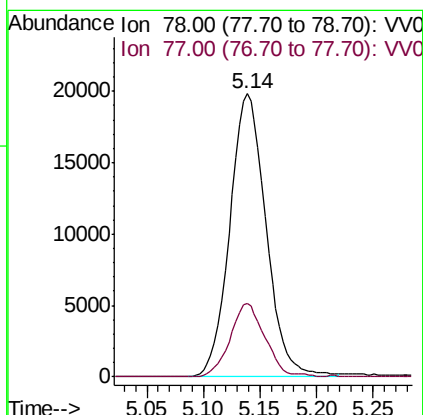
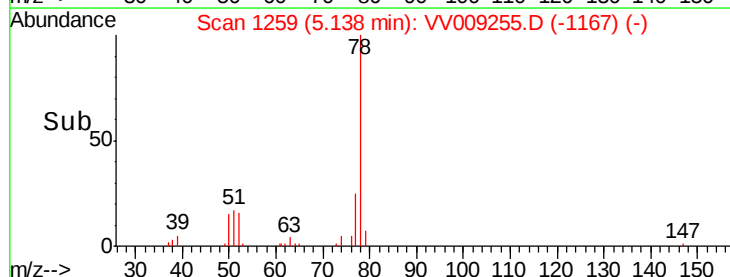
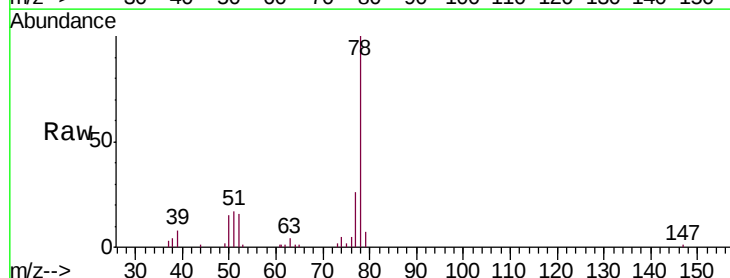
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

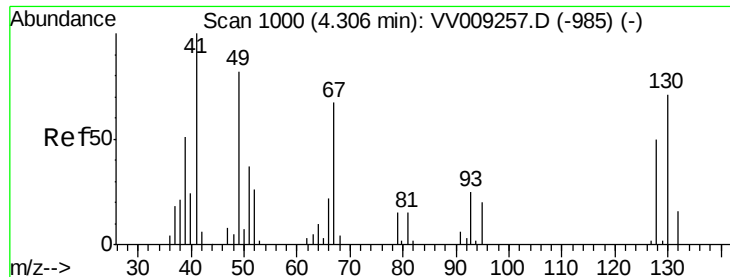
Tgt Ion: 83 Resp: 18185
Ion Ratio Lower Upper
83 100
55 76.7 60.1 90.1
98 49.7 39.2 58.8



#40
Benzene
Concen: 9.811 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 78 Resp: 44295
Ion Ratio Lower Upper
78 100
77 26.2 18.6 27.8





#41

Methacrylonitrile

Concen: 11.048 ug/l

RT: 4.31 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 4278

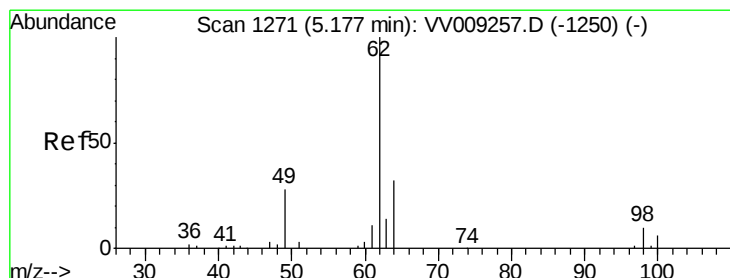
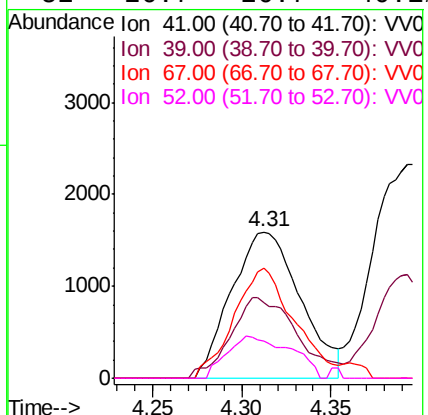
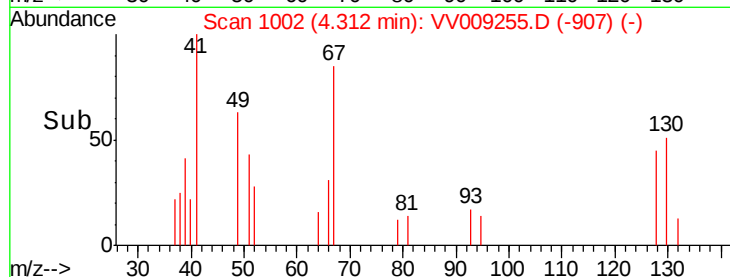
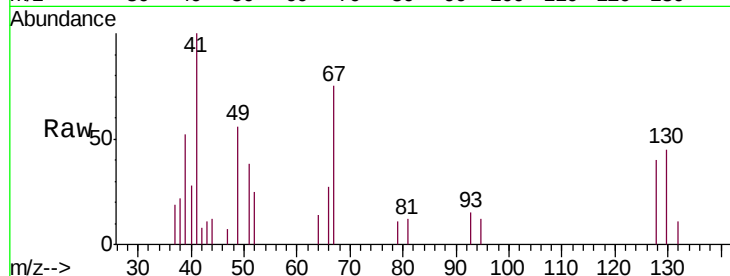
Ion Ratio Lower Upper

41 100

39 54.0 42.3 63.5

67 65.6 57.4 86.2

52 26.7 26.7 40.1#



#42

1,2-Dichloroethane

Concen: 9.760 ug/l

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV009255.D

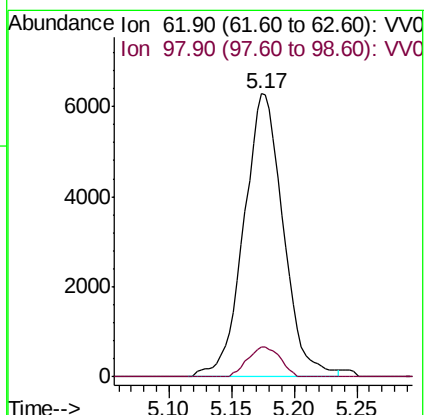
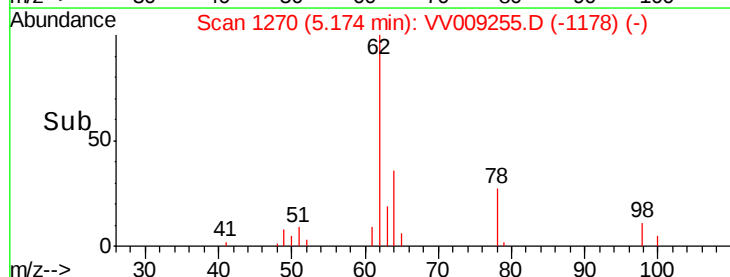
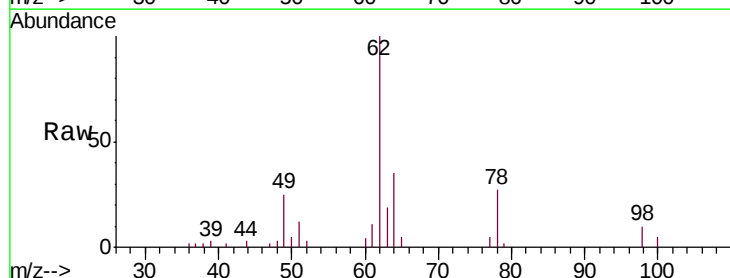
Acq: 24 Jan 2019 12:52

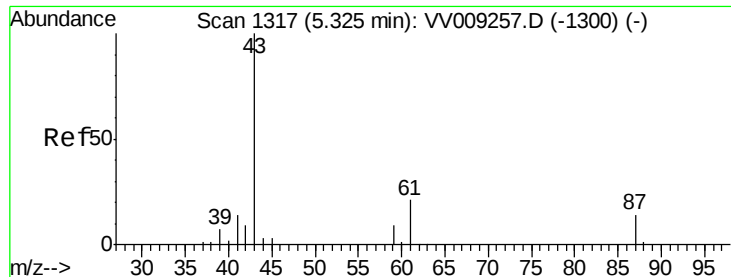
Tgt Ion: 62 Resp: 13800

Ion Ratio Lower Upper

62 100

98 8.7 0.0 19.2





#43

Isopropyl Acetate

Concen: 11.072 ug/l

RT: 5.33 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

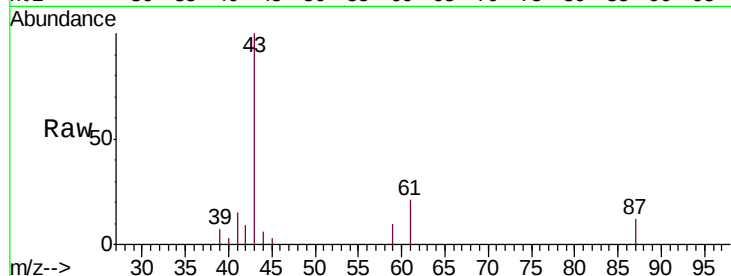
Tgt Ion: 43 Resp: 14051

Ion Ratio Lower Upper

43 100

61 19.3 15.8 23.6

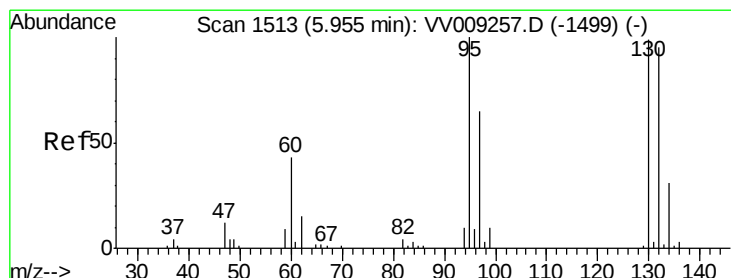
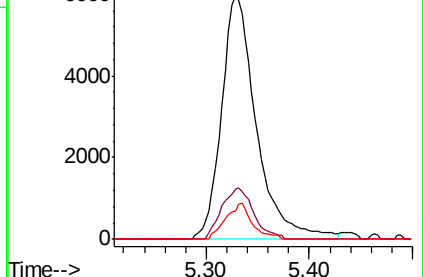
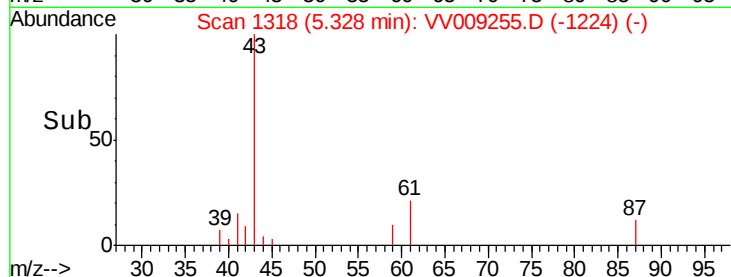
87 11.3 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VV009255.D (-1224) (-)

Ion 61.00 (60.70 to 61.70): VV009255.D (-1224) (-)

Ion 87.00 (86.70 to 87.70): VV009255.D (-1224) (-)



#44

Trichloroethene

Concen: 9.757 ug/l

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV009255.D

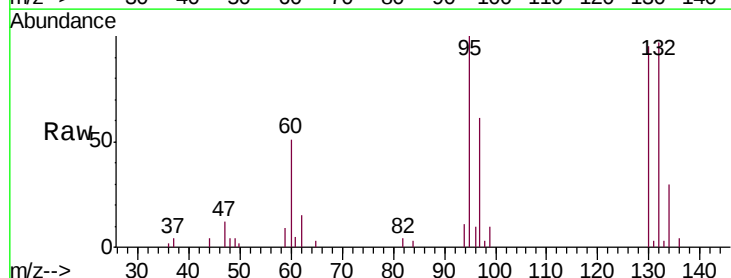
Acq: 24 Jan 2019 12:52

Tgt Ion: 130 Resp: 11616

Ion Ratio Lower Upper

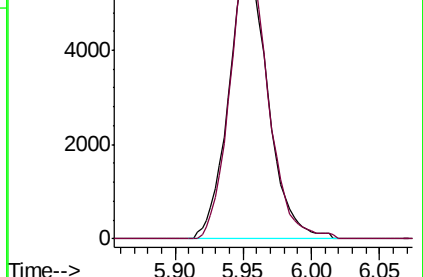
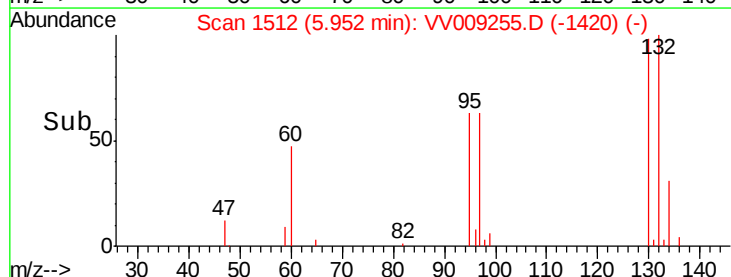
130 100

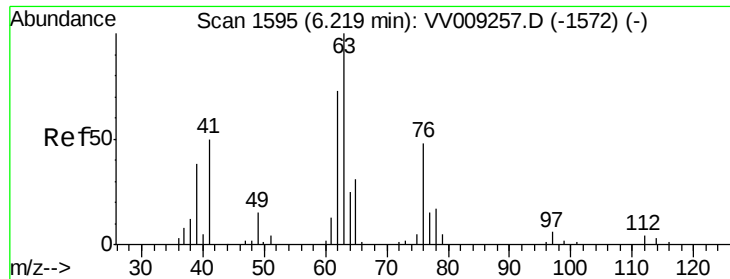
95 105.1 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): VV009255.D (-1420) (-)

Ion 94.90 (94.60 to 95.60): VV009255.D (-1420) (-)





#45

1,2-Dichloropropane

Concen: 9.993 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

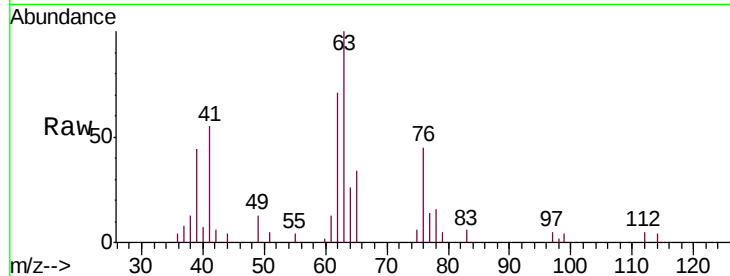
VSTDIC010

Tgt Ion: 63 Resp: 10898

Ion Ratio Lower Upper

63 100

65 34.5 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VV009255.D (-1502) (-)

Ion 64.90 (64.60 to 65.60): VV009255.D (-1502) (-)

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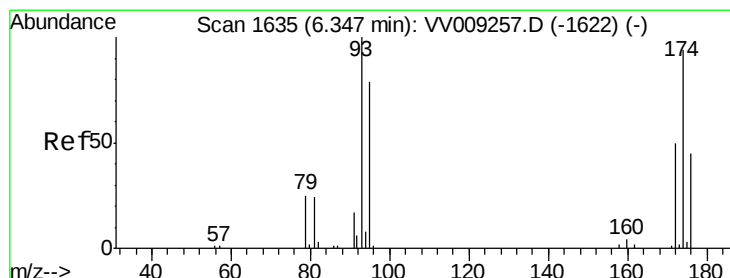
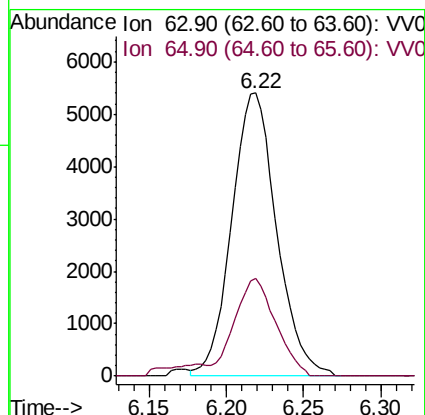
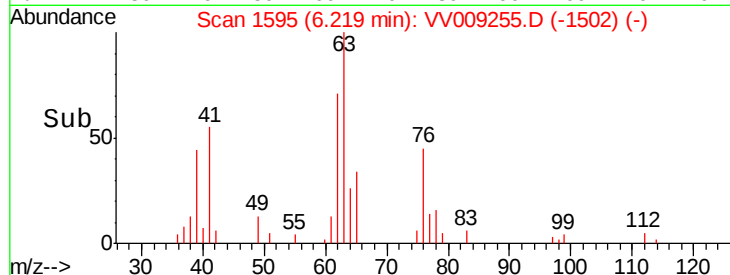
6.22

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6.22

6.22



#46

Dibromomethane

Concen: 10.151 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

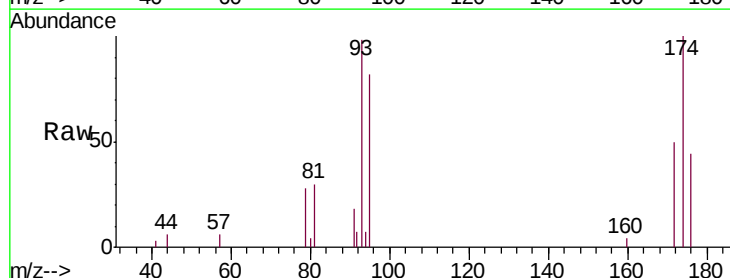
Tgt Ion: 93 Resp: 5757

Ion Ratio Lower Upper

93 100

95 85.6 65.3 97.9

174 101.5 77.0 115.4



Abundance Ion 92.80 (92.50 to 93.50): VV009255.D (-1542) (-)

Ion 94.80 (94.50 to 95.50): VV009255.D (-1542) (-)

Ion 173.70 (173.40 to 174.40): VV009255.D (-1542) (-)

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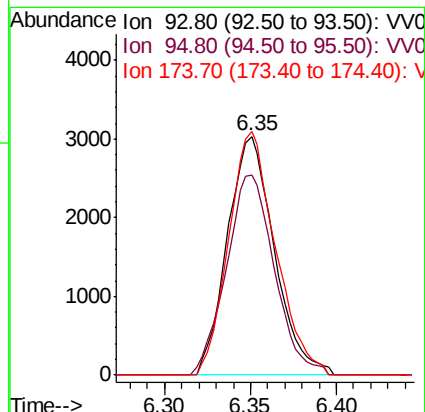
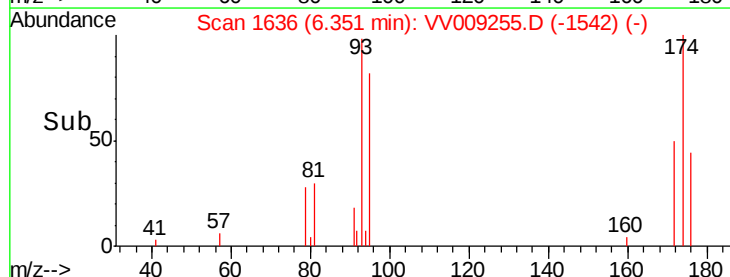
6.35

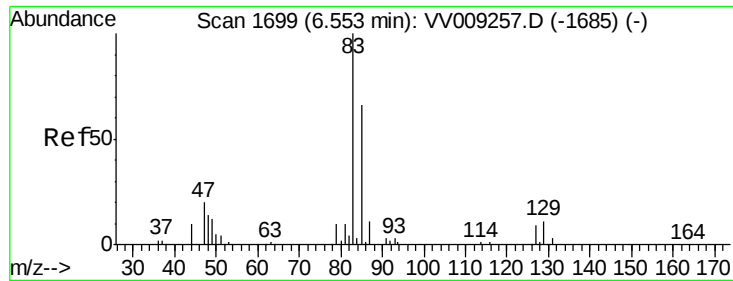
6.35

6.35

6.35

6.35





#47

Bromodichloromethane

Concen: 9.332 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

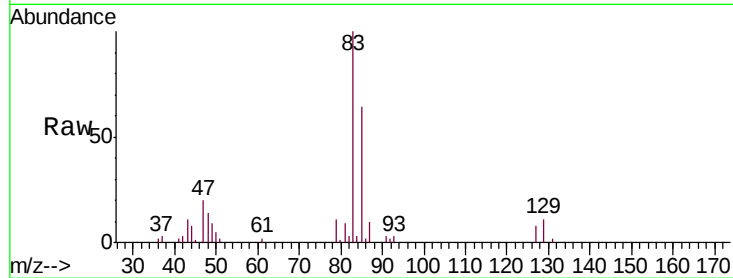
Tgt Ion: 83 Resp: 13741

Ion Ratio Lower Upper

83 100

85 64.0 52.6 79.0

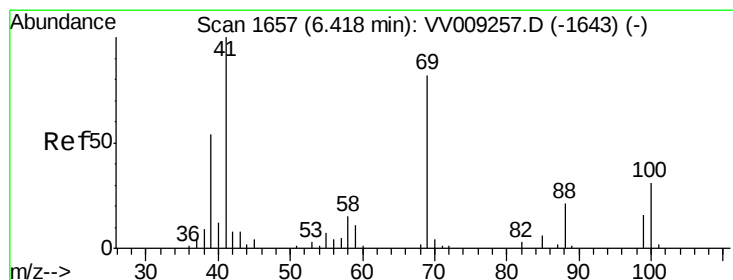
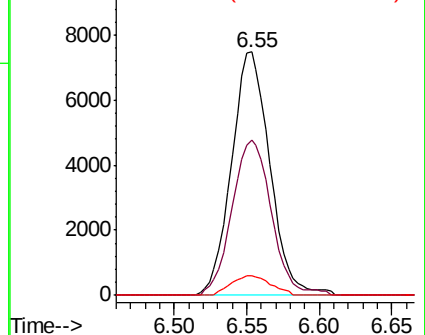
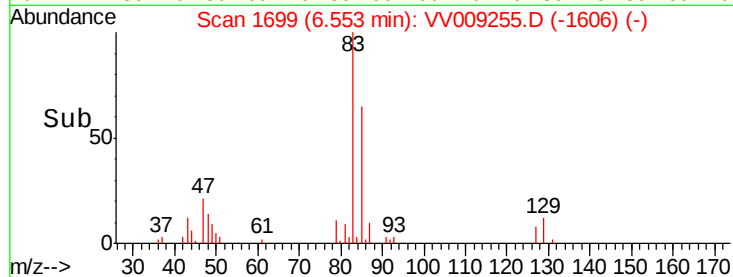
127 8.2 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VV009255.D (-1606) (-)

Ion 84.90 (84.60 to 85.60): VV009255.D (-1606) (-)

Ion 126.80 (126.50 to 127.50): VV009255.D (-1606) (-)



#48

Methyl methacrylate

Concen: 10.823 ug/l

RT: 6.42 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

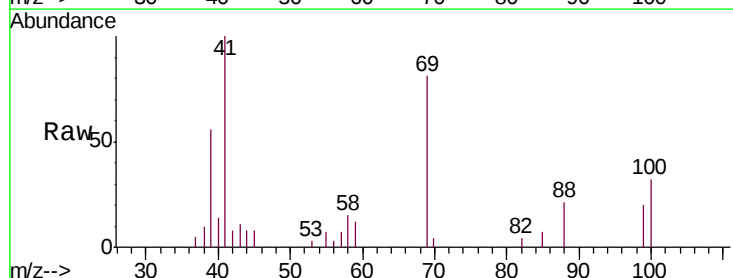
Tgt Ion: 41 Resp: 6974

Ion Ratio Lower Upper

41 100

69 79.3 68.6 103.0

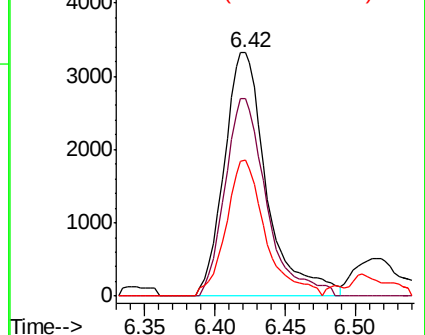
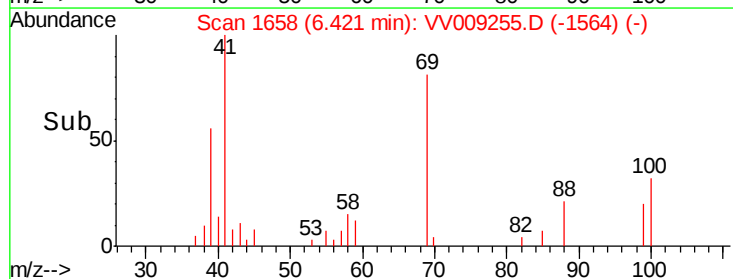
39 51.5 43.2 64.8

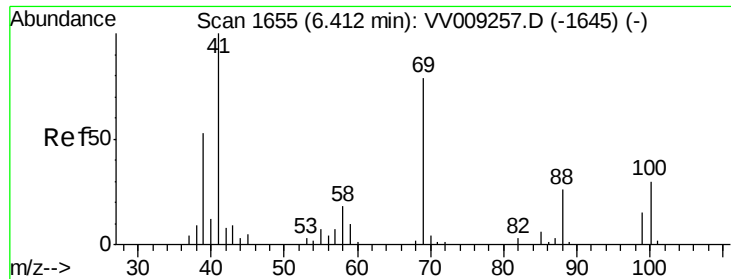


Abundance Ion 41.00 (40.70 to 41.70): VV009255.D (-1564) (-)

Ion 69.00 (68.70 to 69.70): VV009255.D (-1564) (-)

Ion 39.00 (38.70 to 39.70): VV009255.D (-1564) (-)

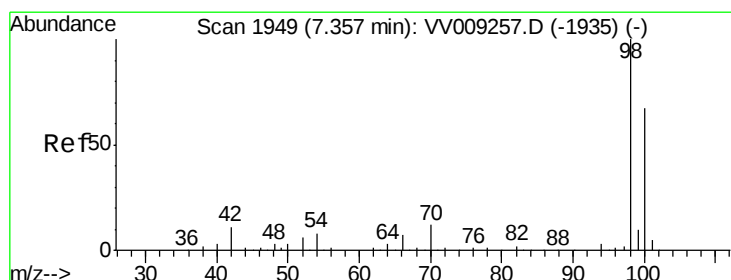
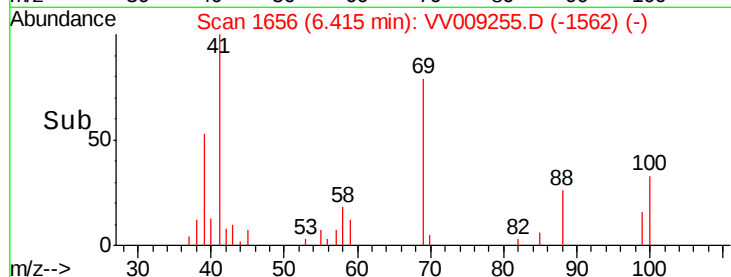
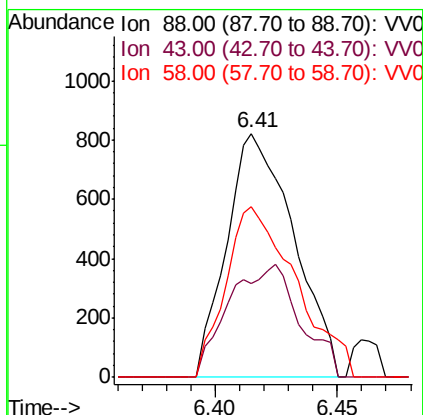
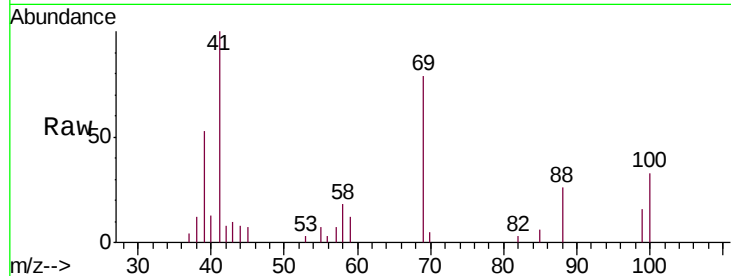




#49
1,4-Dioxane
Concen: 206.033 ug/l
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

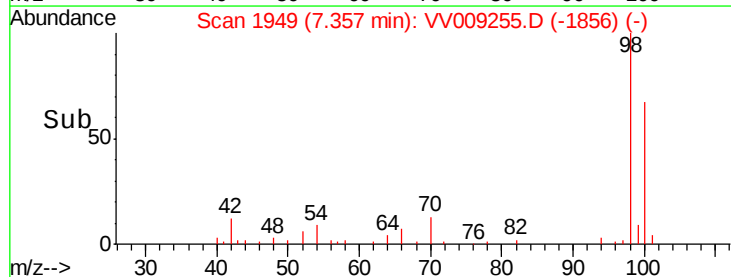
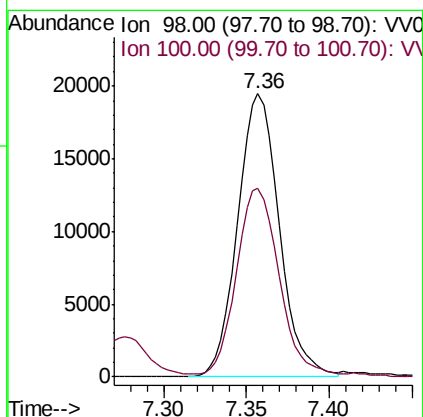
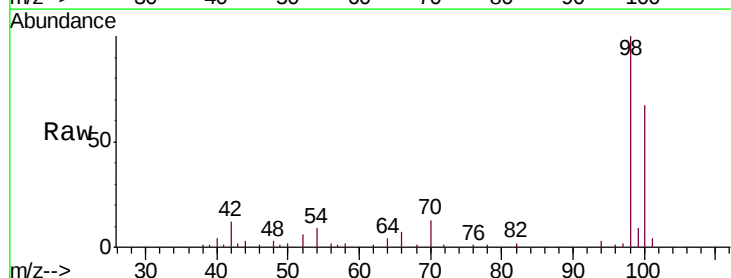
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

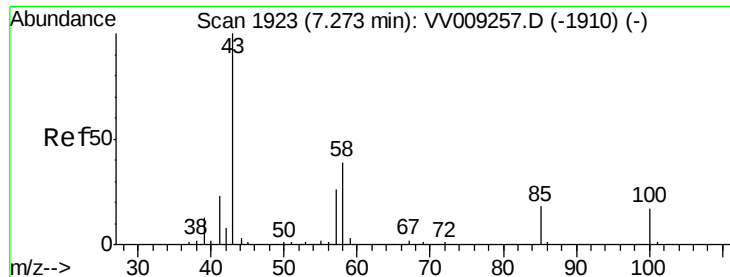
Tgt Ion: 88 Resp: 1566
Ion Ratio Lower Upper
88 100
43 49.1 28.3 42.5#
58 73.5 50.0 75.0



#50
Toluene-d8
Concen: 8.965 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 98 Resp: 34168
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8

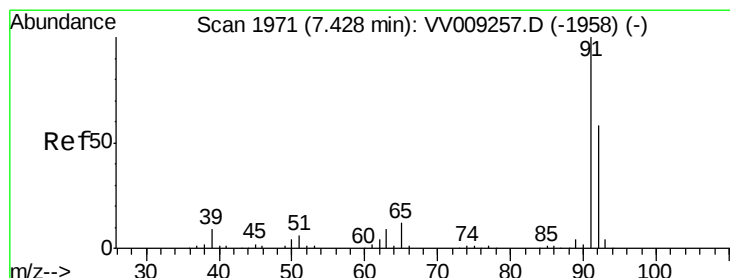
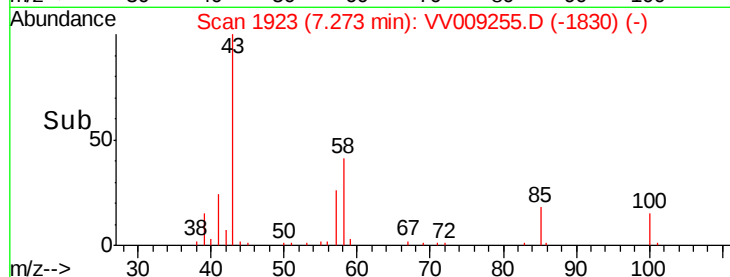
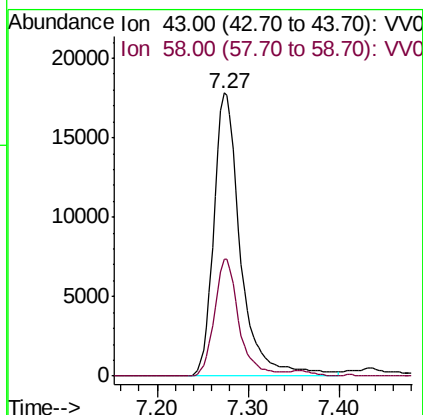
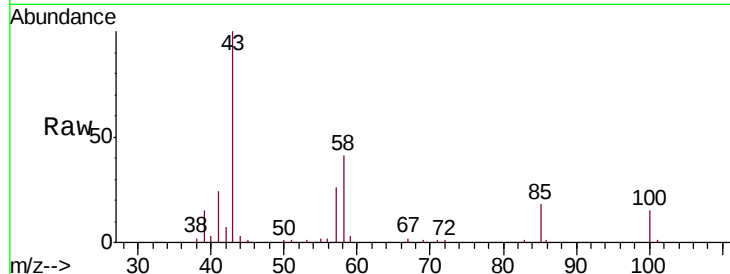




#51
4-Methyl-2-Pentanone
Concen: 56.313 ug/l
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

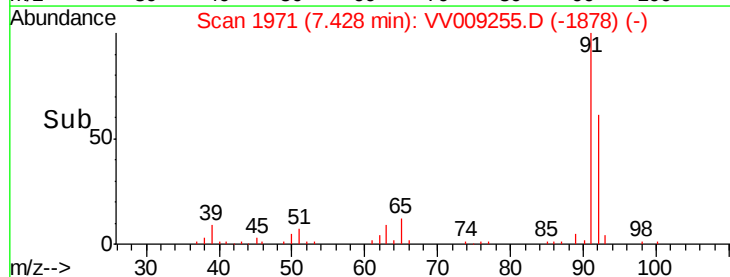
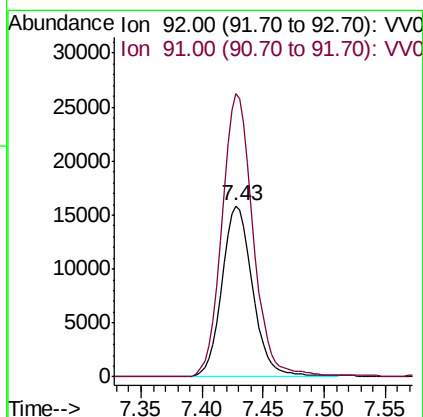
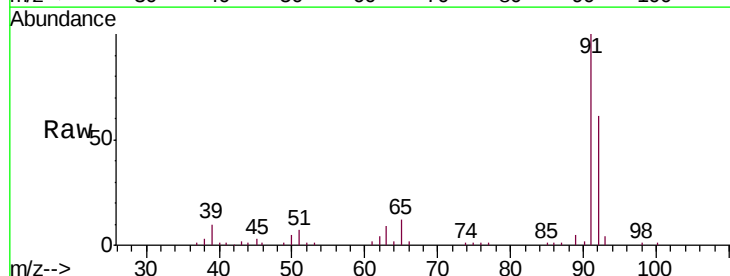
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

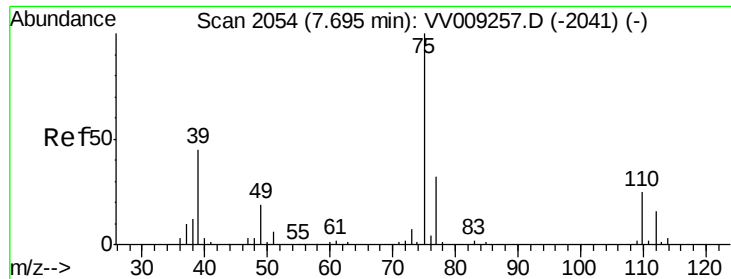
Tgt Ion: 43 Resp: 36457
Ion Ratio Lower Upper
43 100
58 37.5 30.5 45.7



#52
Toluene
Concen: 9.891 ug/l
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 92 Resp: 28173
Ion Ratio Lower Upper
92 100
91 167.6 137.2 205.8





#53

t-1,3-Dichloropropene

Concen: 9.343 ug/l

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

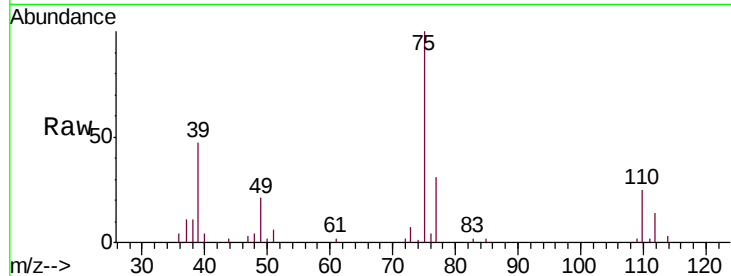
VSTDIC010

Tgt Ion: 75 Resp: 13487

Ion Ratio Lower Upper

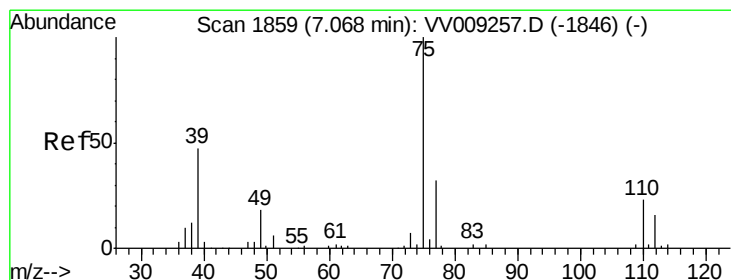
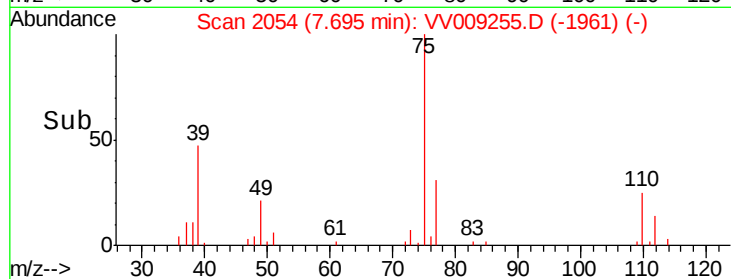
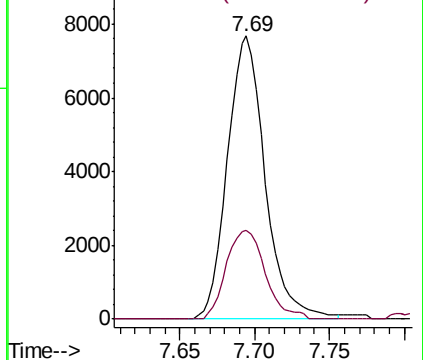
75 100

77 31.4 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0



#54

cis-1,3-Dichloropropene

Concen: 9.453 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

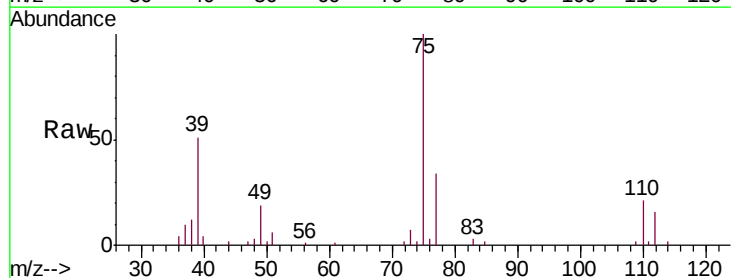
Tgt Ion: 75 Resp: 15642

Ion Ratio Lower Upper

75 100

77 33.7 25.8 38.6

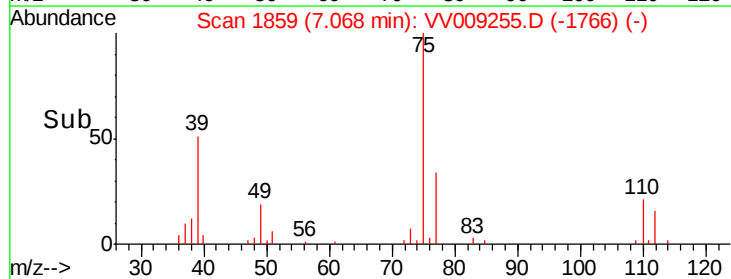
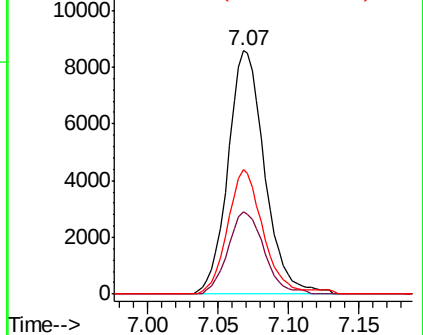
39 51.2 38.0 57.0

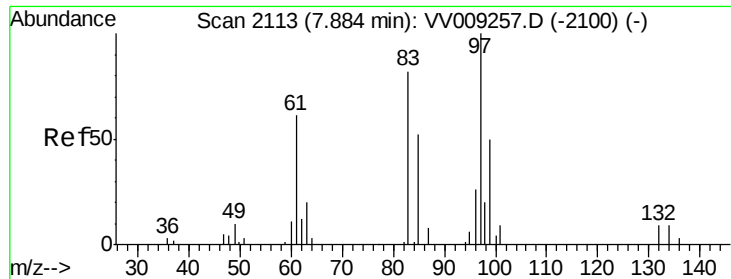


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0

Ion 39.00 (38.70 to 39.70): VV0

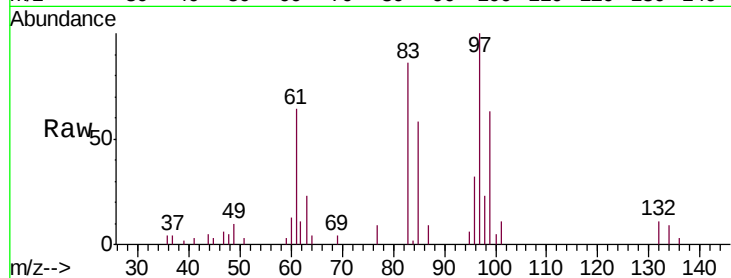




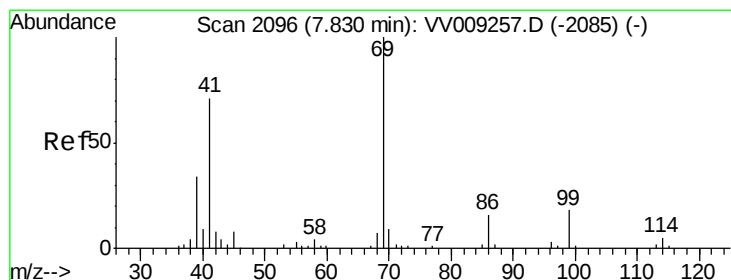
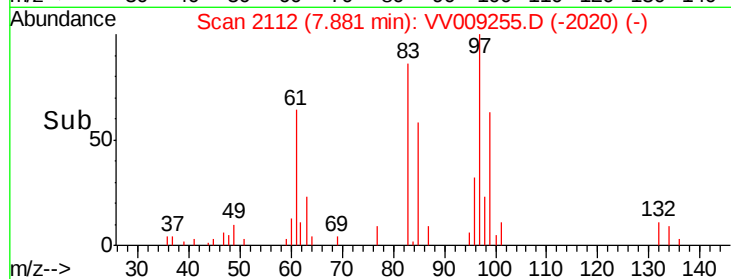
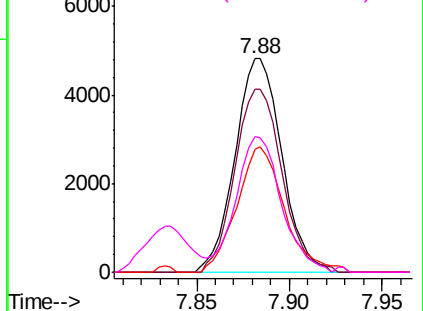
#55
 1,1,2-Trichloroethane
 Concen: 10.551 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tgt Ion:	97	Resp:	8487
Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.6	98.4
85	57.6	41.8	62.8
99	61.2	49.8	74.8

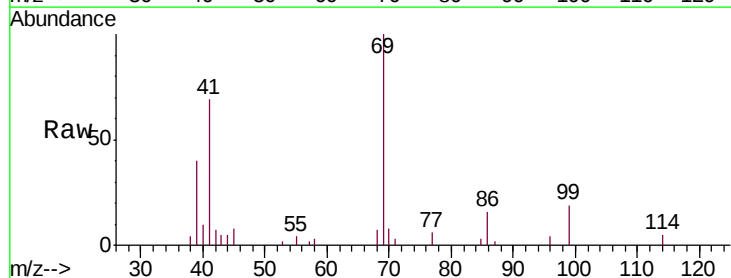


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

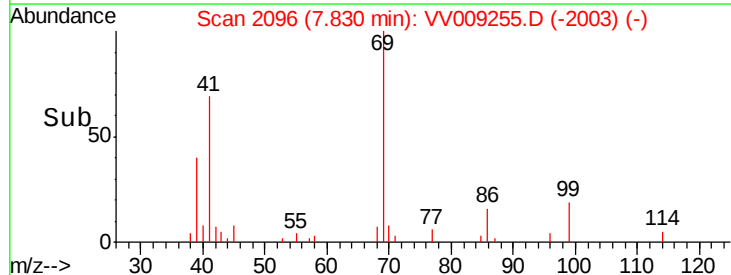
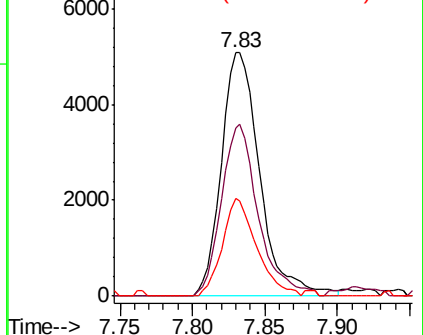


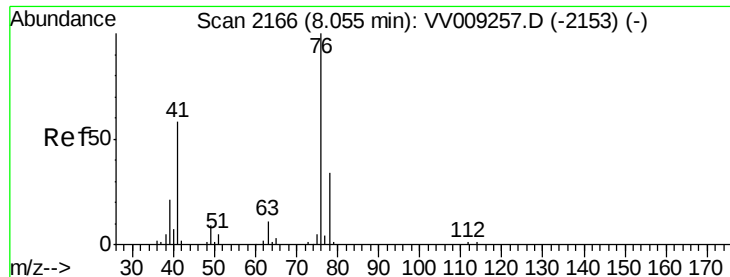
#56
 Ethyl methacrylate
 Concen: 10.010 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion:	69	Resp:	9363
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.6	81.8
39	35.5	27.0	40.4



Abundance Ion 69.00 (68.70 to 69.70): VV0
 Ion 41.00 (40.70 to 41.70): VV0
 Ion 39.00 (38.70 to 39.70): VV0





#57

1,3-Dichloropropane

Concen: 10.454 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

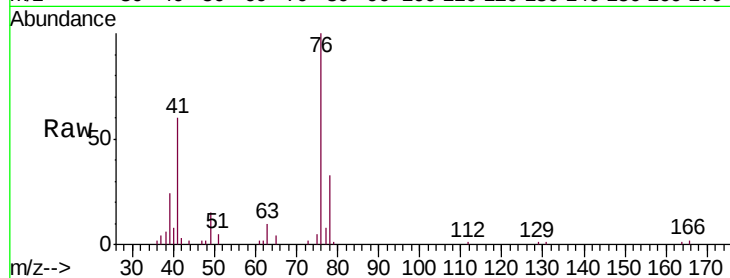
VSTDIC010

Tgt Ion: 76 Resp: 15056

Ion Ratio Lower Upper

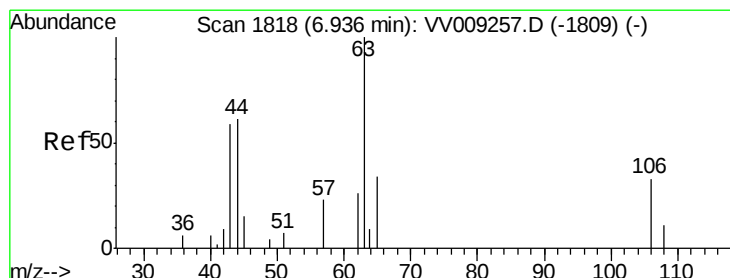
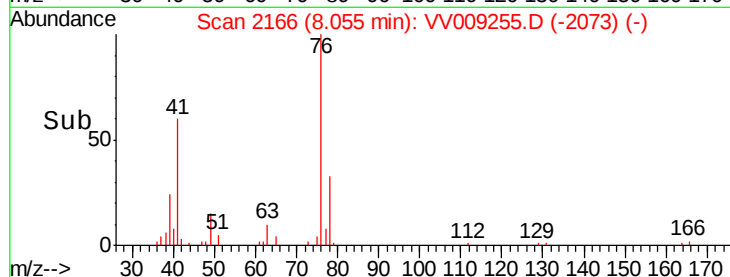
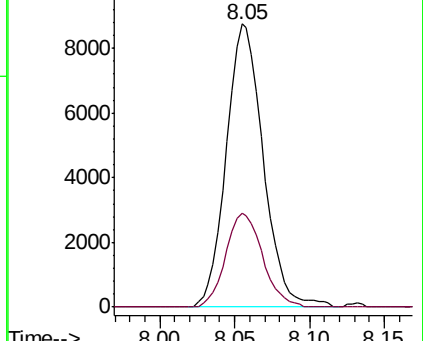
76 100

78 33.0 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VV009255.D (-2073) (-)

Ion 77.90 (77.60 to 78.60): VV009255.D (-2073) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 24.864 ug/l

RT: 6.94 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VV009255.D

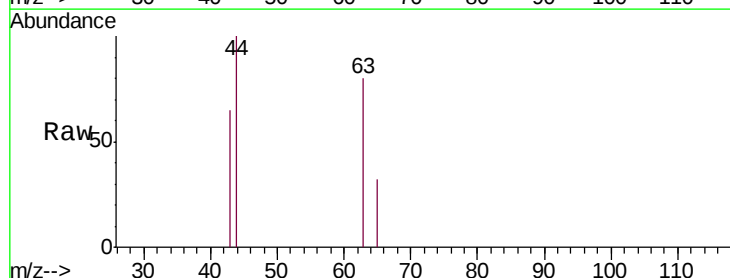
Acq: 24 Jan 2019 12:52

Tgt Ion: 63 Resp: 387

Ion Ratio Lower Upper

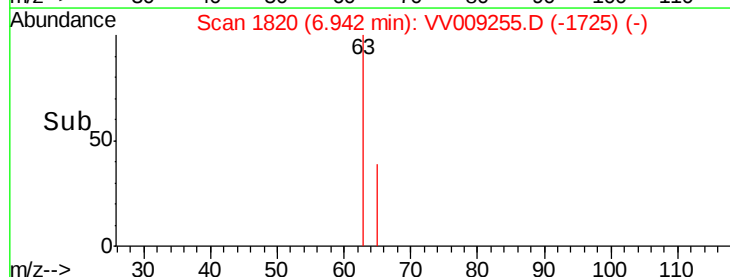
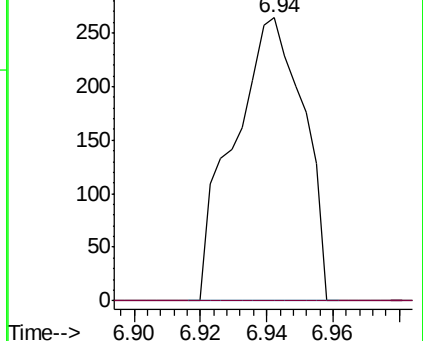
63 100

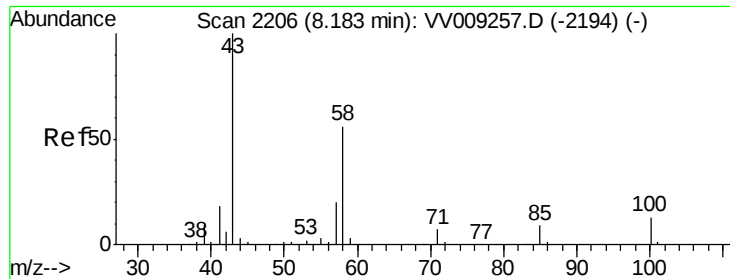
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VV009255.D (-1725) (-)

Ion 105.90 (105.60 to 106.60): VV009255.D (-1725) (-)

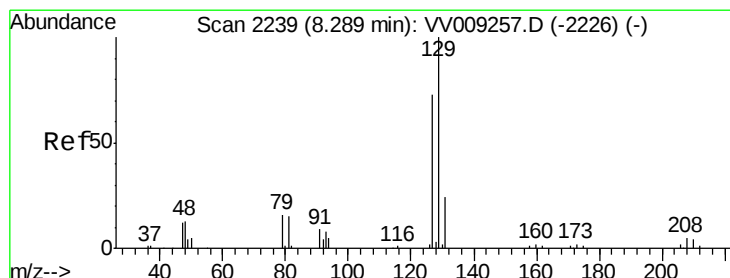
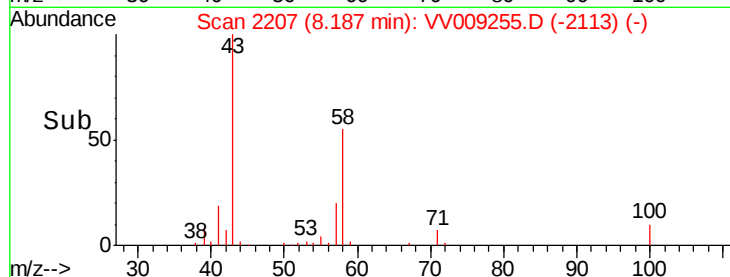
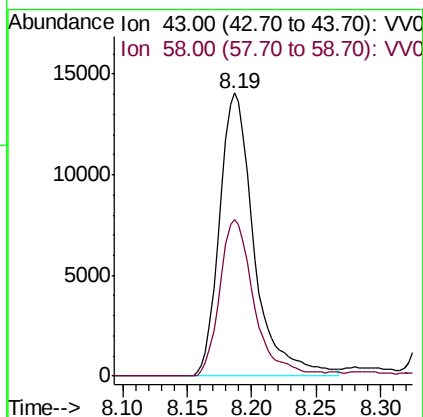
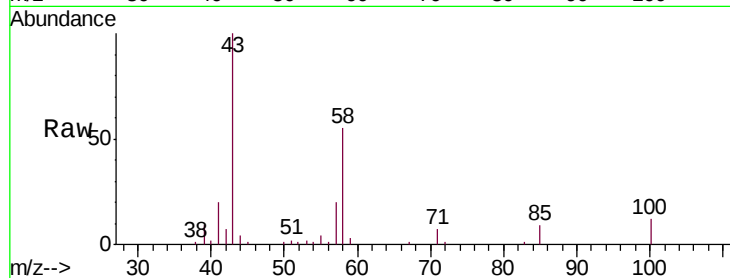




#59
2-Hexanone
Concen: 56.405 ug/l
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

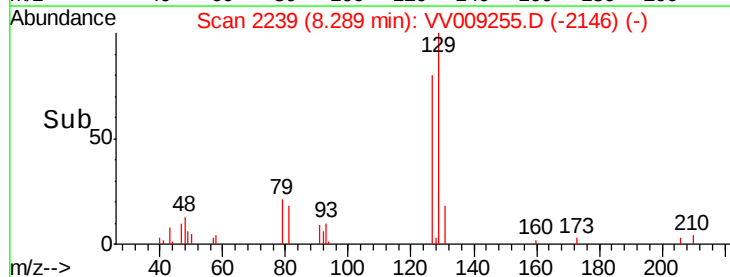
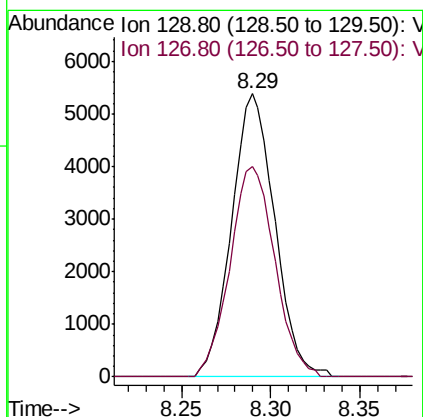
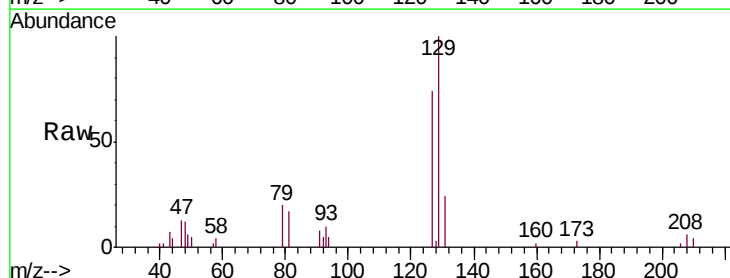
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

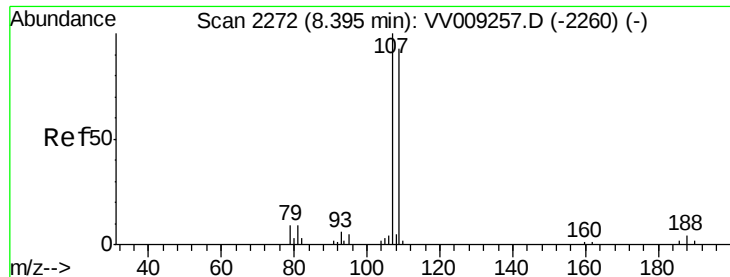
Tgt Ion: 43 Resp: 26288
Ion Ratio Lower Upper
43 100
58 54.8 27.9 83.7



#60
Dibromochloromethane
Concen: 9.684 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 129 Resp: 9045
Ion Ratio Lower Upper
129 100
127 77.4 37.9 113.6





#61

1,2-Dibromoethane

Concen: 10.735 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

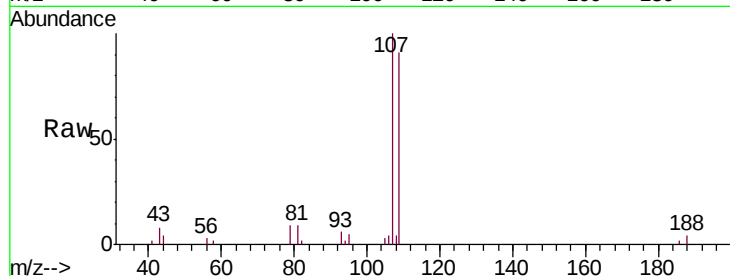
VSTDIC010

Tgt Ion: 107 Resp: 8434

Ion Ratio Lower Upper

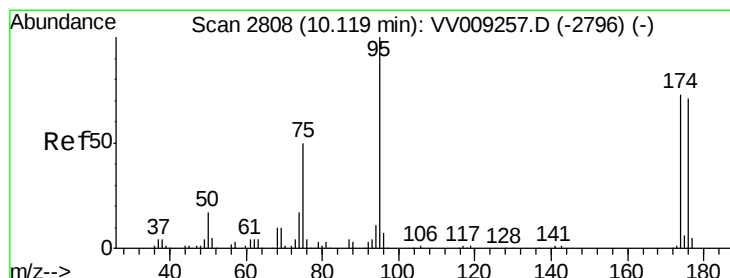
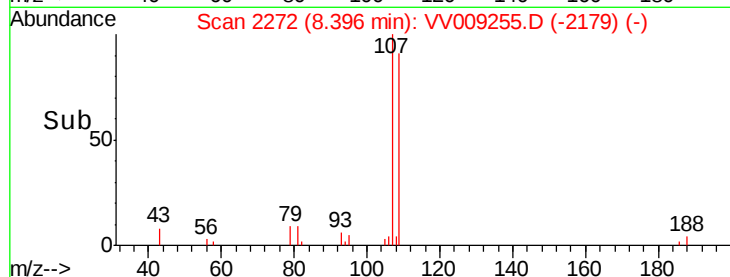
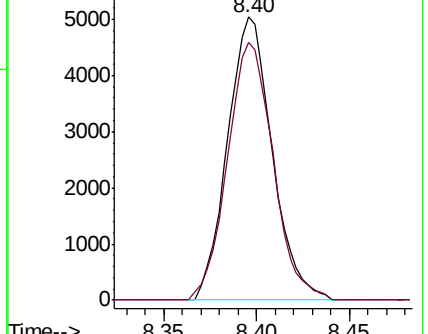
107 100

109 93.1 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 9.117 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

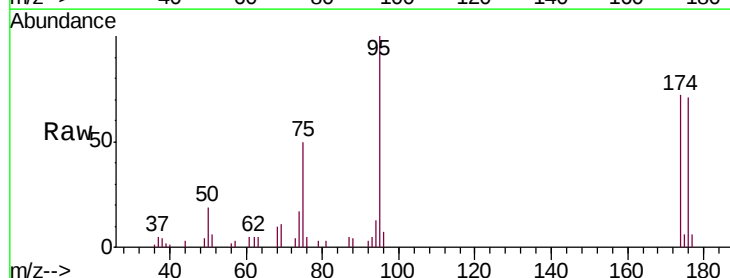
Tgt Ion: 95 Resp: 13200

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.0

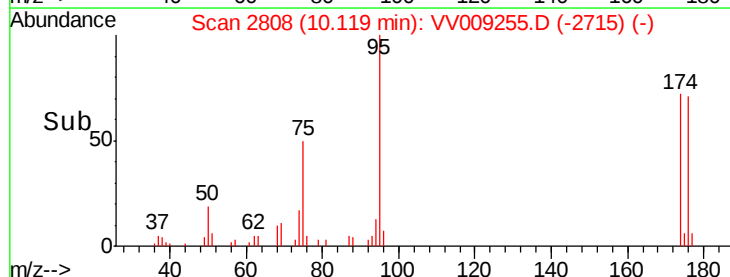
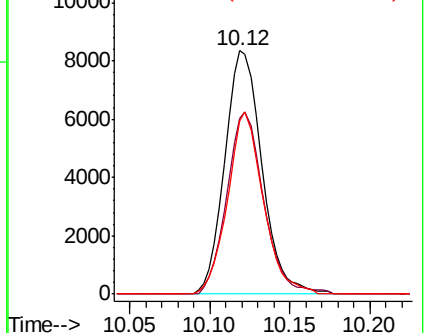
176 71.6 0.0 144.0

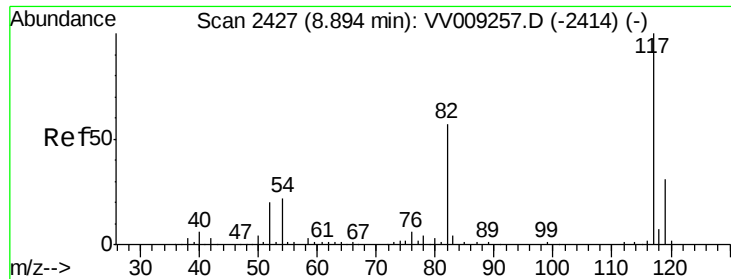


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

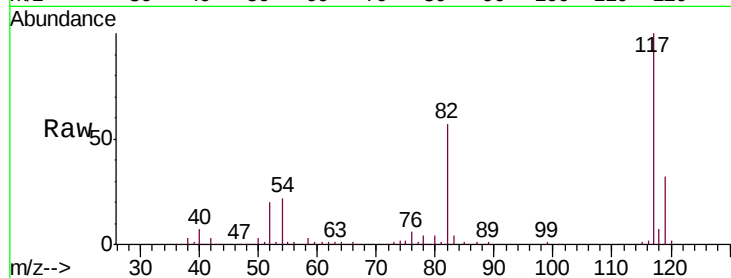




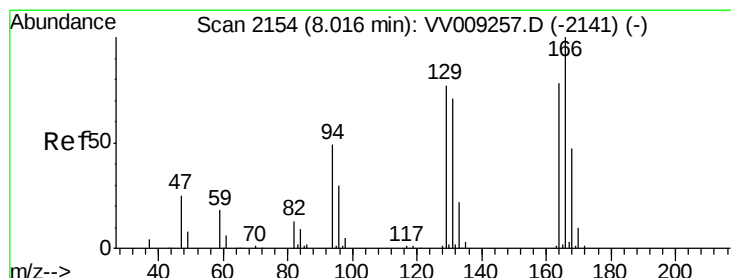
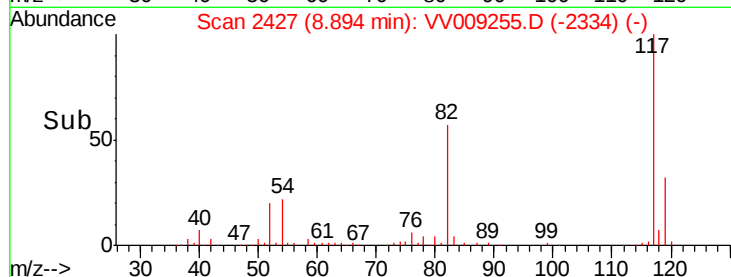
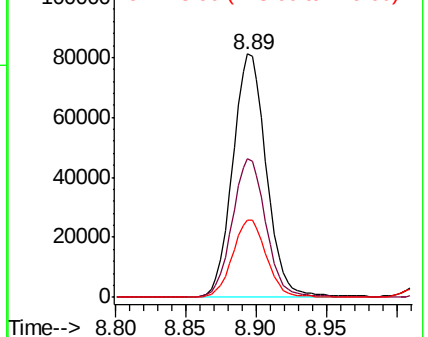
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 135725
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.6
119 31.9 24.8 37.2

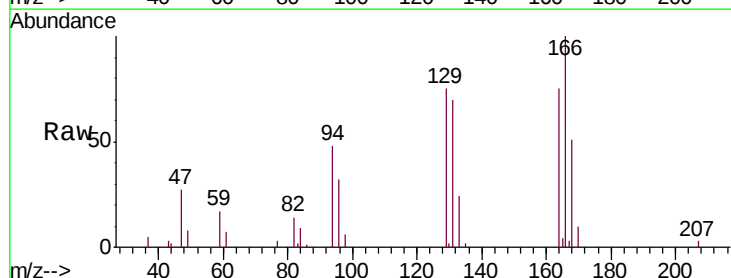


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV0
Ion 118.90 (118.60 to 119.60): V

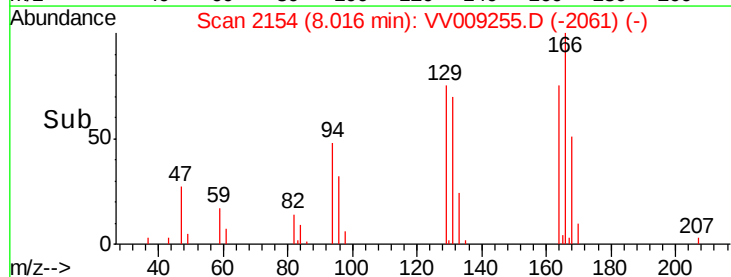
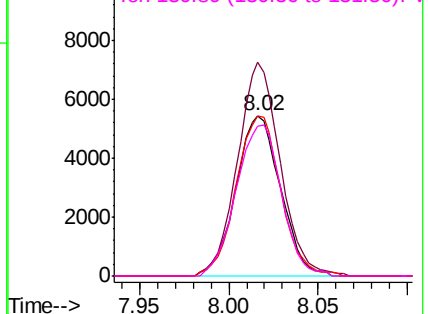


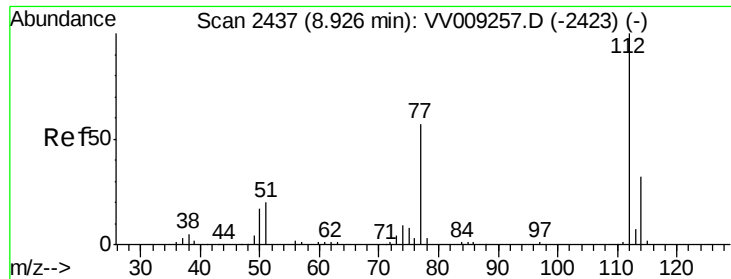
#64
Tetrachloroethene
Concen: 10.058 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion:164 Resp: 9482
Ion Ratio Lower Upper
164 100
166 133.1 102.3 153.5
129 99.5 78.6 117.8
131 93.6 73.1 109.7



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

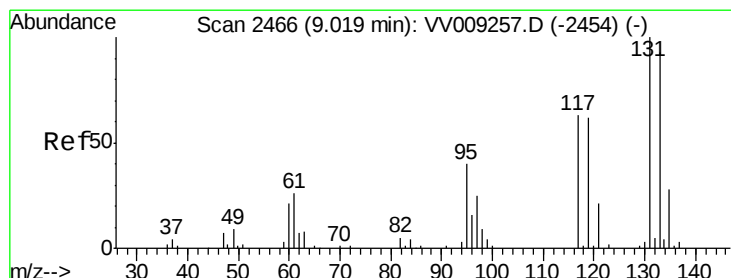
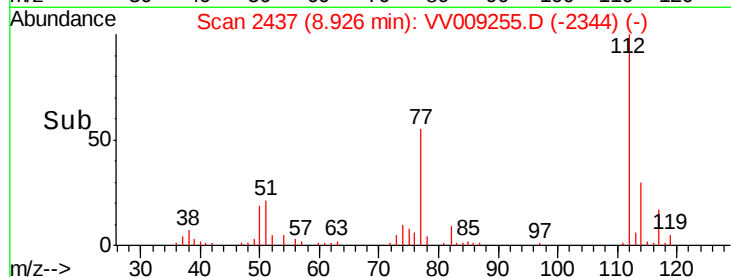
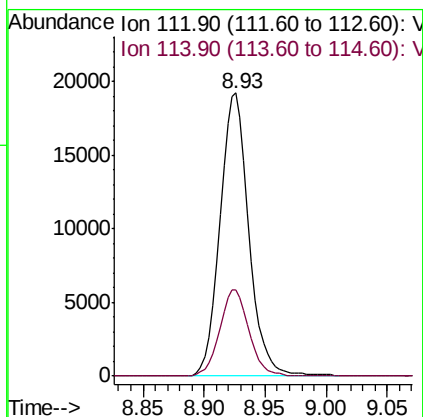
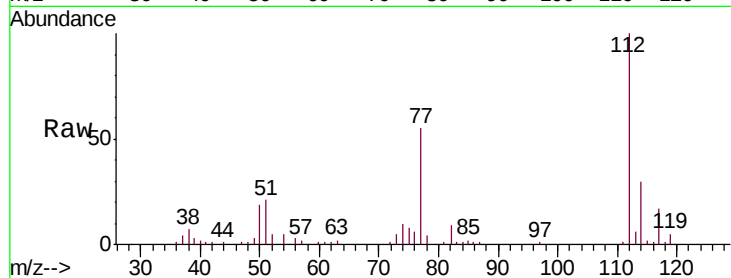




#65
Chlorobenzene
Concen: 10.361 ug/l
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

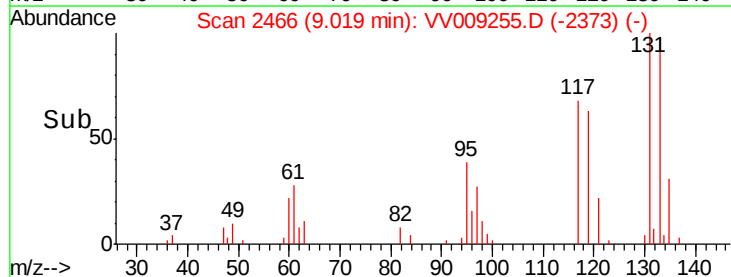
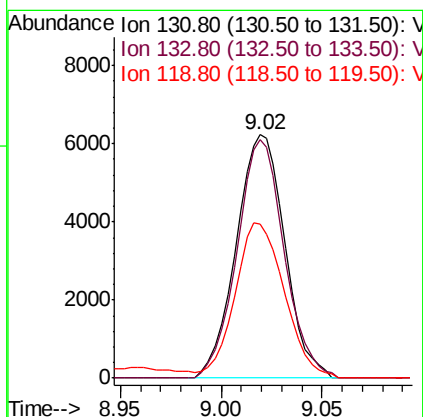
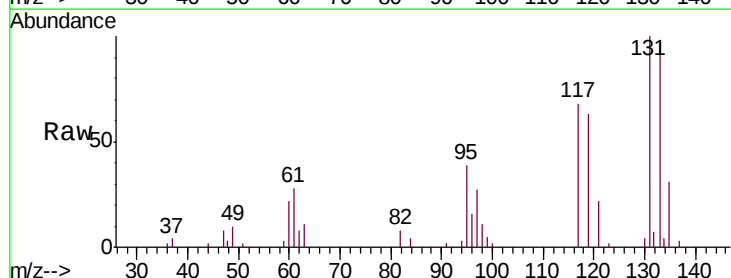
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

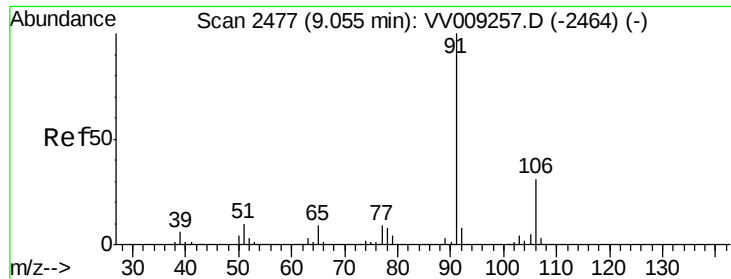
Tgt Ion:112 Resp: 32002
Ion Ratio Lower Upper
112 100
114 30.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 9.967 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion:131 Resp: 10518
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 64.9 32.4 97.2

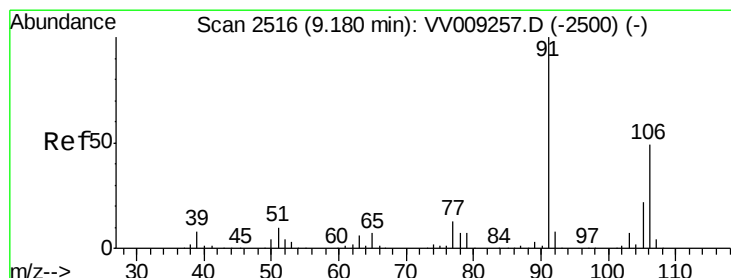
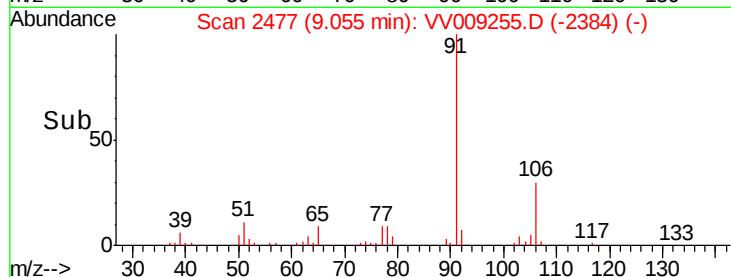
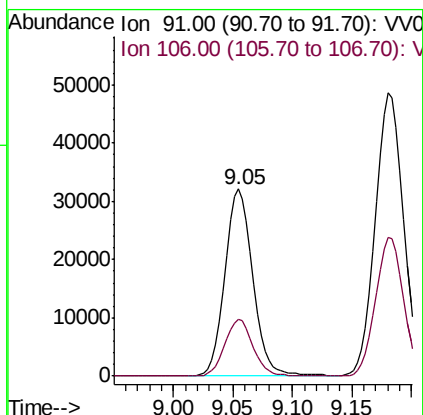
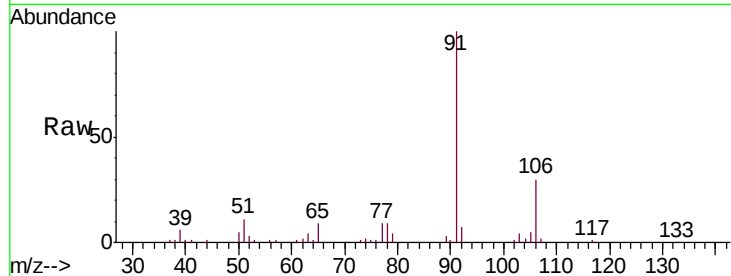




#67
Ethyl Benzene
Concen: 9.623 ug/l
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

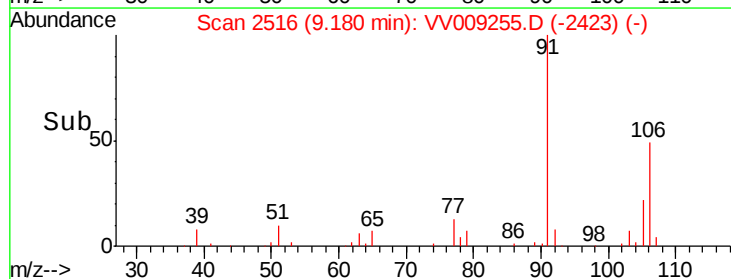
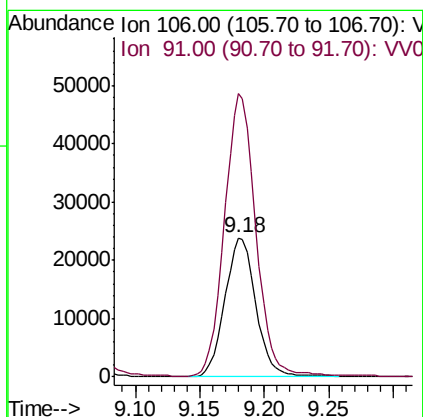
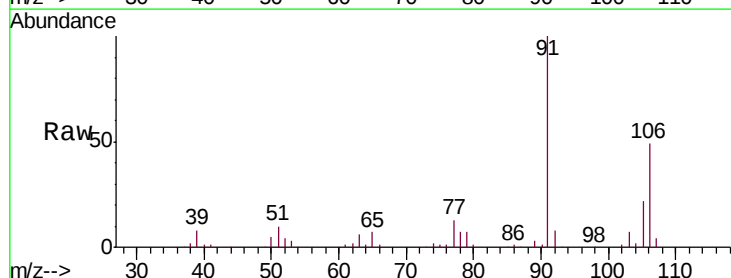
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

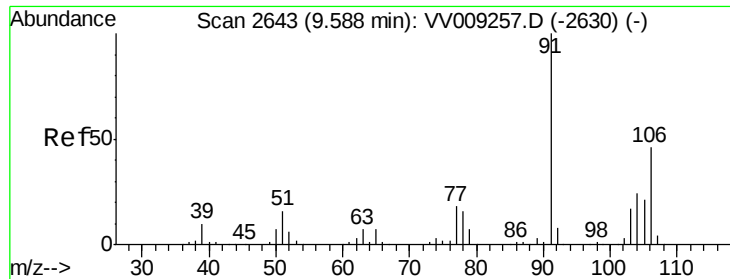
Tgt Ion: 91 Resp: 52531
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0



#68
m/p-Xylenes
Concen: 19.255 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 106 Resp: 40030
Ion Ratio Lower Upper
106 100
91 203.7 161.9 242.9

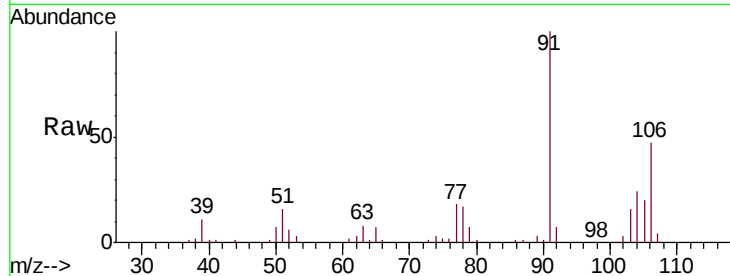




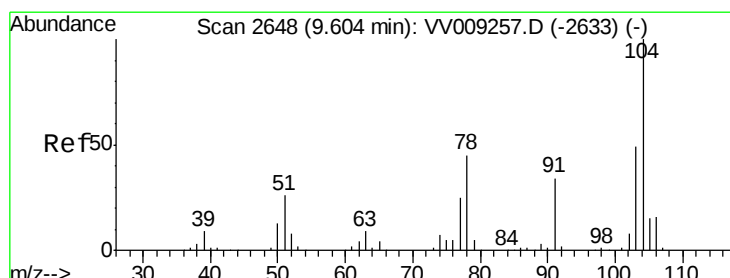
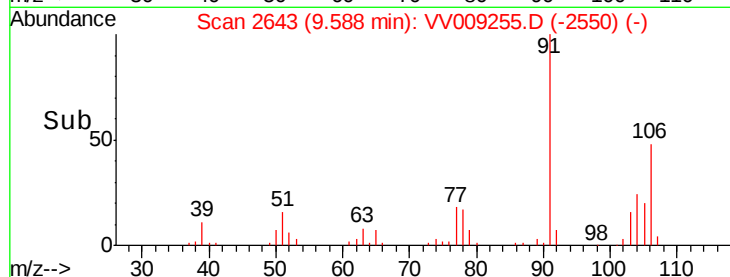
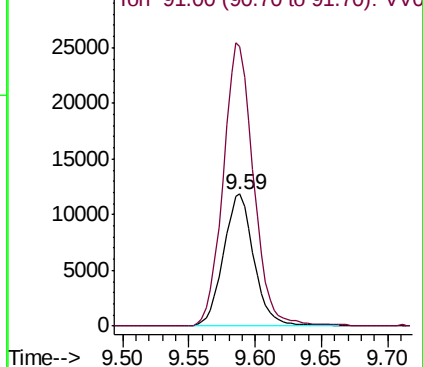
#69
o-Xylene
Concen: 9.886 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 19034
Ion Ratio Lower Upper
106 100
91 212.0 108.3 324.9

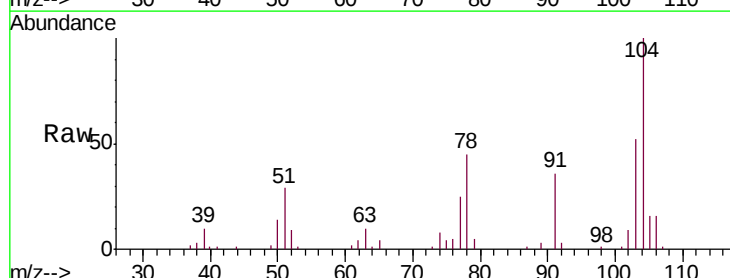


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

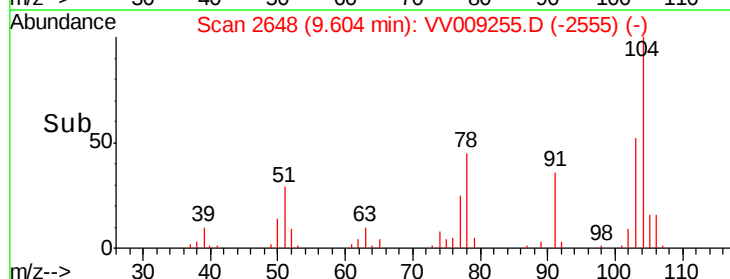
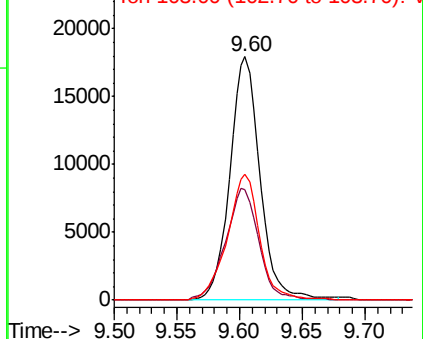


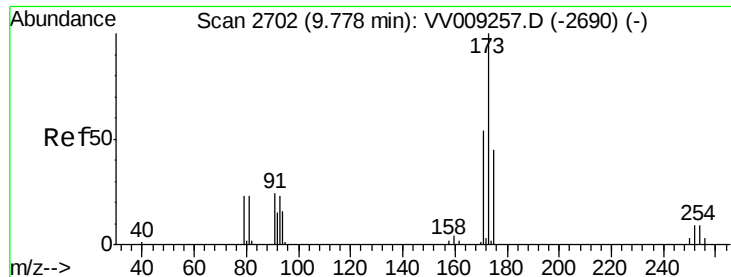
#70
Styrene
Concen: 9.702 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion:104 Resp: 29968
Ion Ratio Lower Upper
104 100
78 50.5 40.6 60.8
103 55.1 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 10.133 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

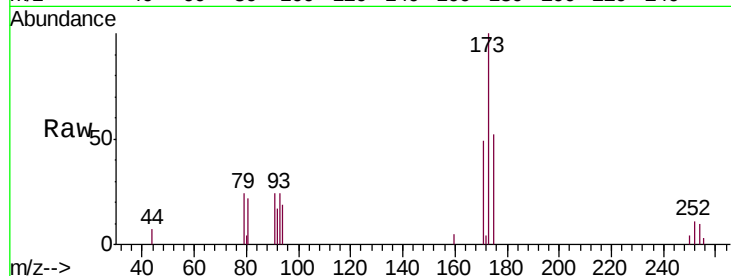
Tgt Ion:173 Resp: 5145

Ion Ratio Lower Upper

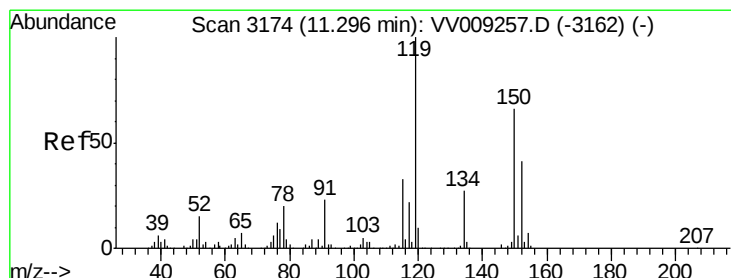
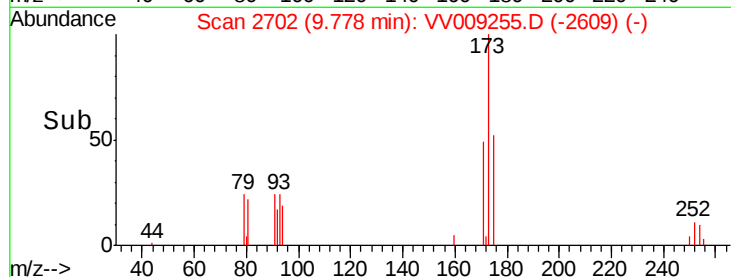
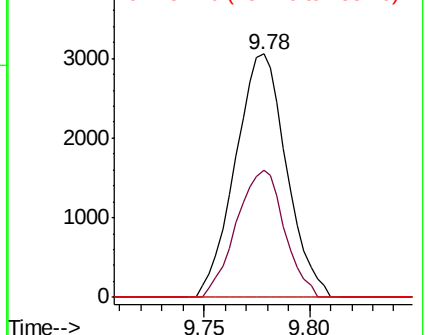
173 100

175 48.8 23.9 71.7

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

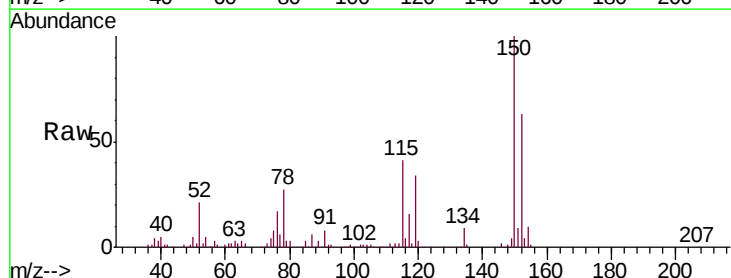
Tgt Ion:152 Resp: 68660

Ion Ratio Lower Upper

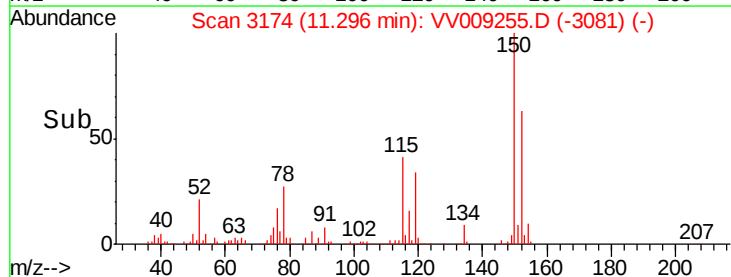
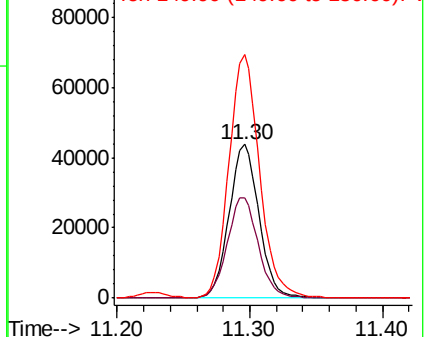
152 100

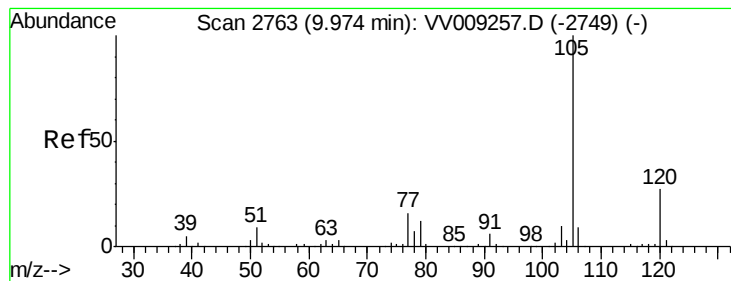
115 67.6 43.0 128.8

150 162.4 0.0 352.0



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: 9.283 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

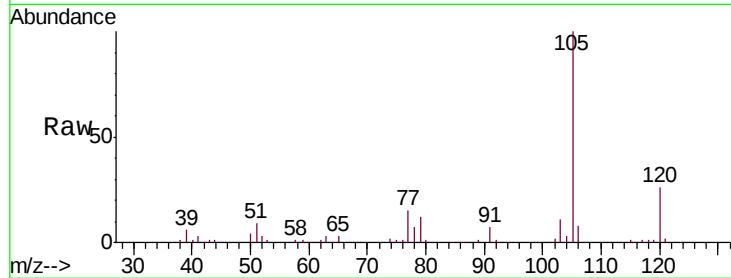
VSTDIC010

Tgt Ion:105 Resp: 50991

Ion Ratio Lower Upper

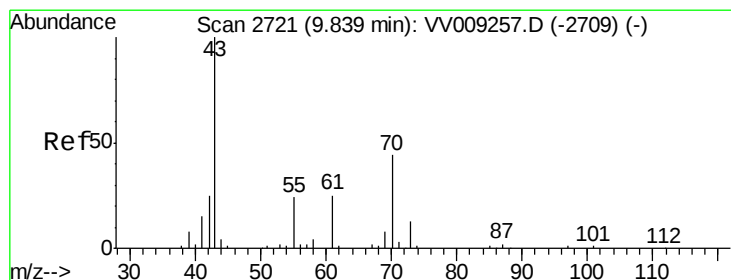
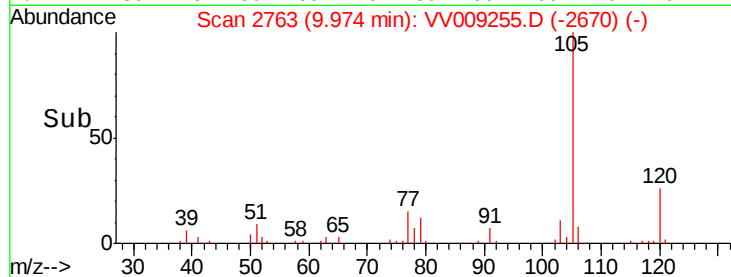
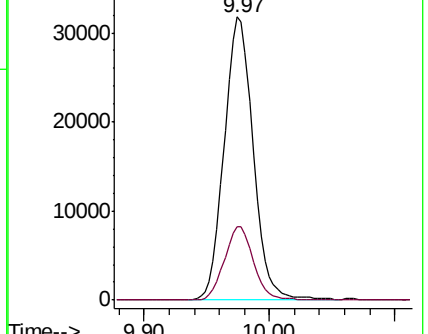
105 100

120 25.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.781 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion: 43 Resp: 11377

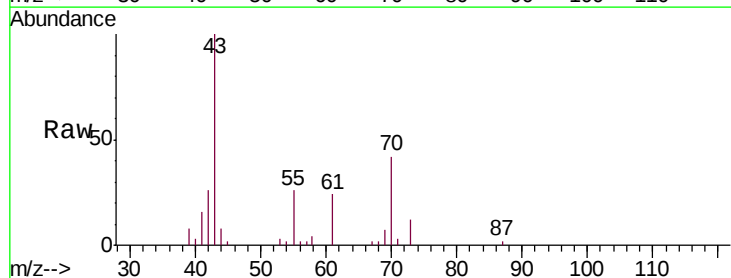
Ion Ratio Lower Upper

43 100

70 40.2 35.4 53.0

55 25.2 20.4 30.6

61 23.0 19.3 28.9

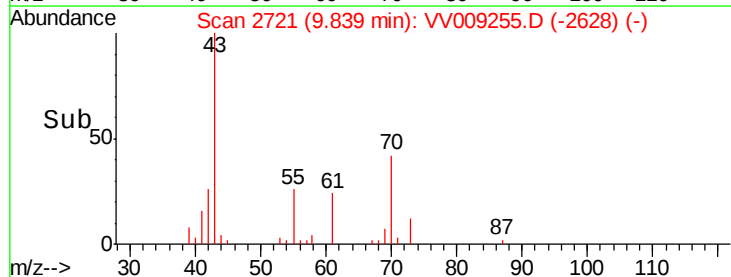
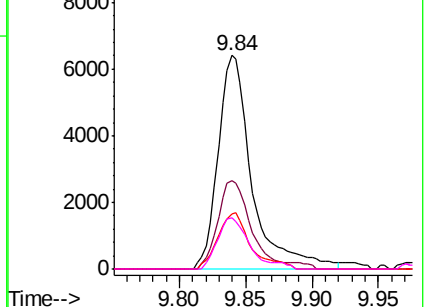


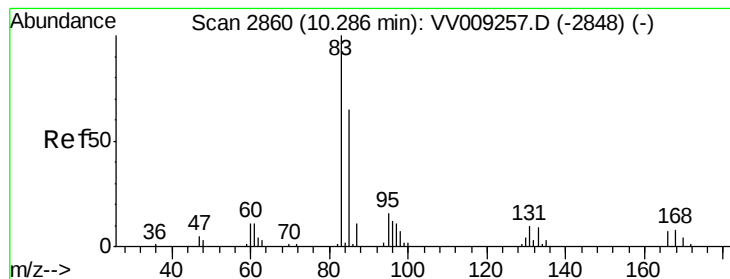
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.925 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

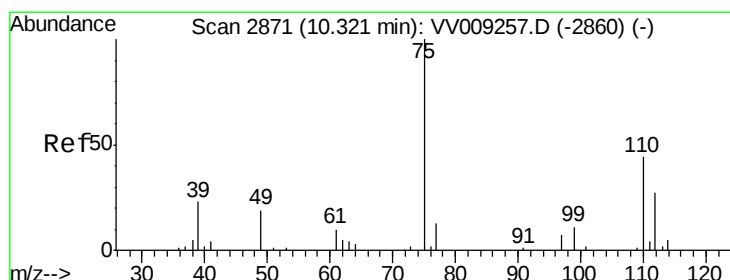
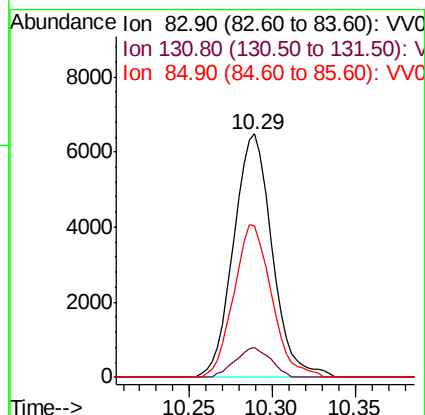
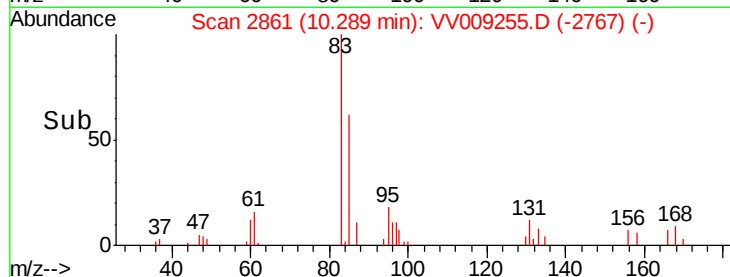
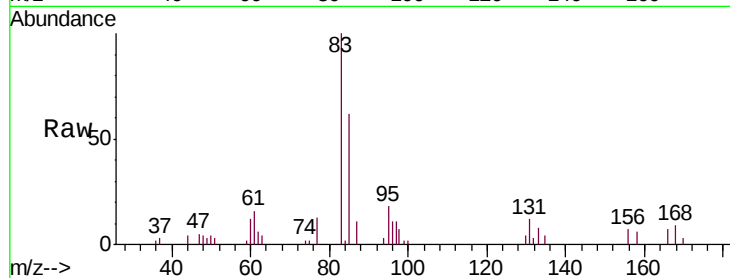
Tgt Ion: 83 Resp: 10527

Ion Ratio Lower Upper

83 100

131 11.2 5.0 15.0

85 61.4 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 14.342 ug/l

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV009255.D

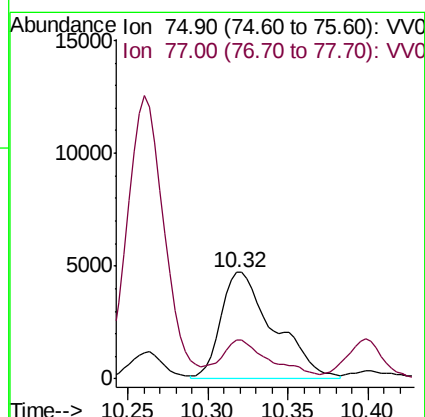
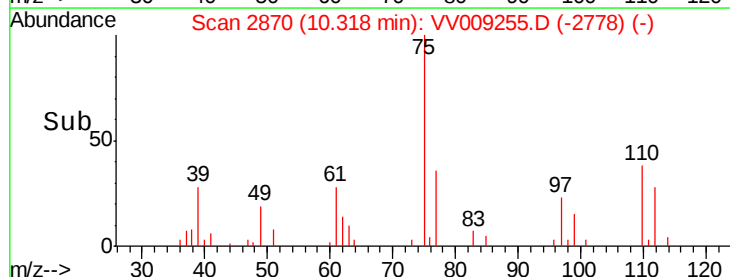
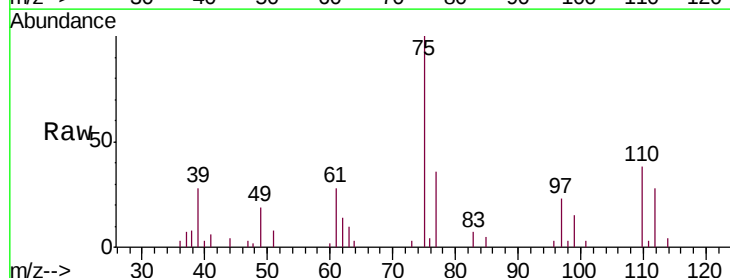
Acq: 24 Jan 2019 12:52

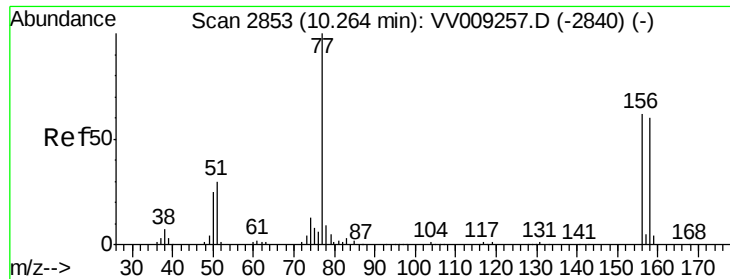
Tgt Ion: 75 Resp: 10805

Ion Ratio Lower Upper

75 100

77 34.6 6.2 18.4#





#77

Bromobenzene

Concen: 10.254 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

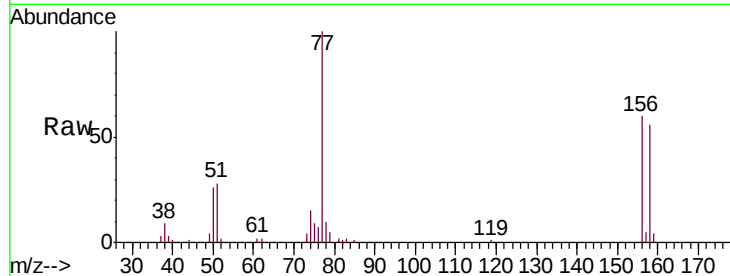
Tgt Ion:156 Resp: 12250

Ion Ratio Lower Upper

156 100

77 164.7 81.7 244.9

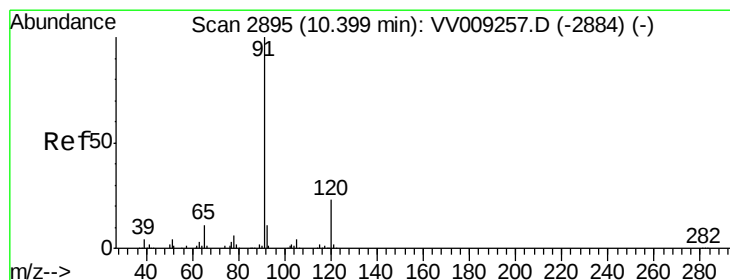
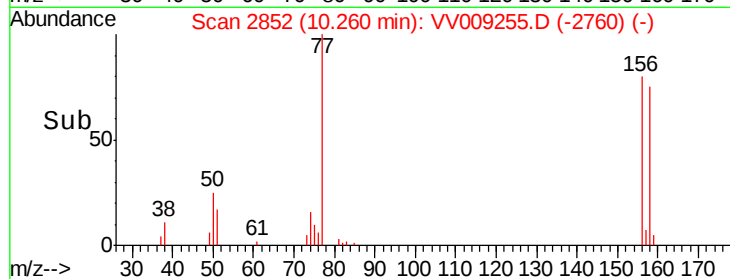
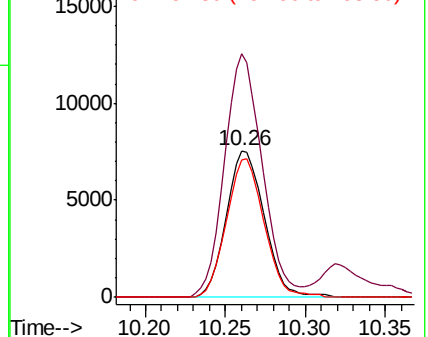
158 93.2 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.302 ug/l

RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009255.D

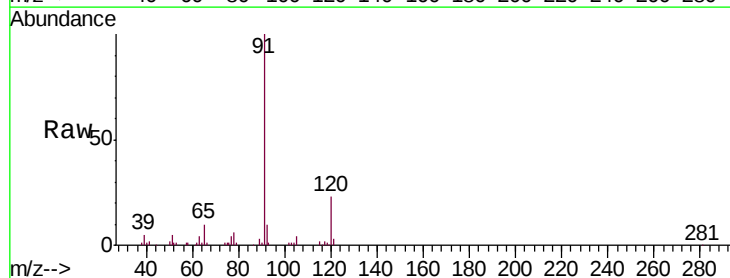
Acq: 24 Jan 2019 12:52

Tgt Ion: 91 Resp: 60628

Ion Ratio Lower Upper

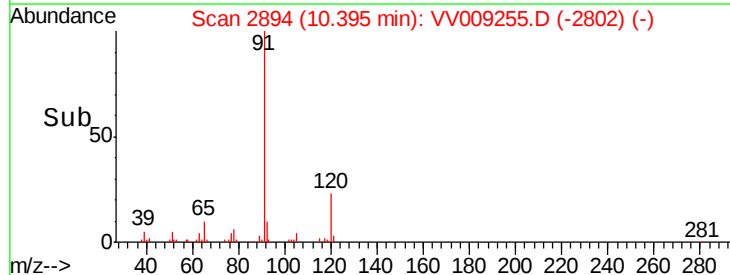
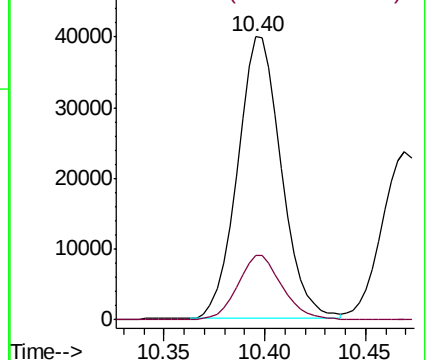
91 100

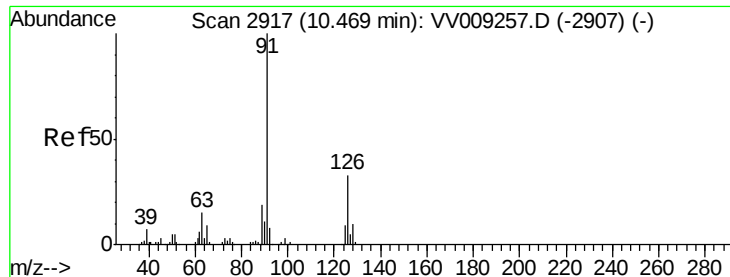
120 23.2 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.631 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

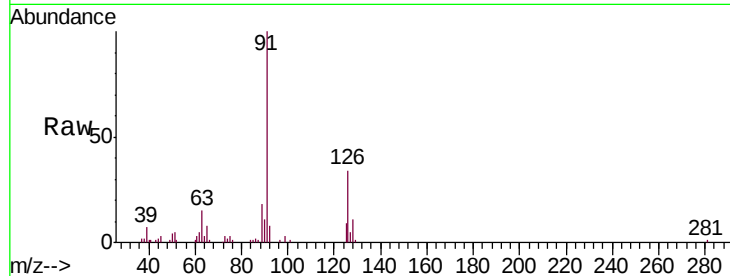
VSTDIC010

Tgt Ion: 91 Resp: 37891

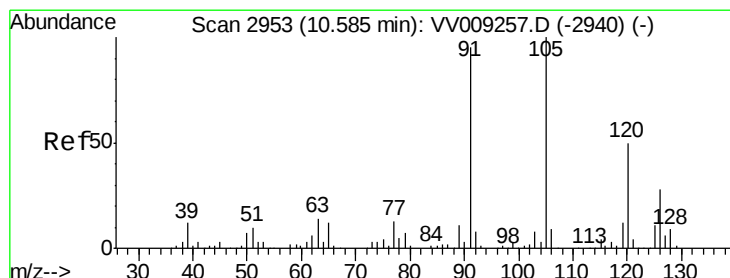
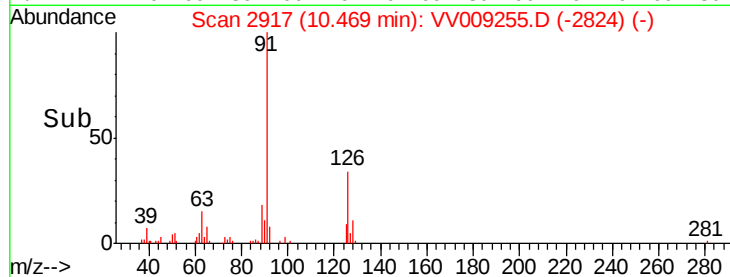
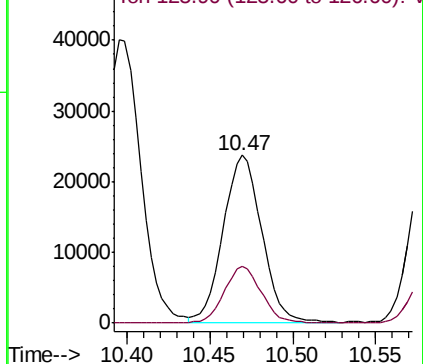
Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VV009255.D (-2824) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.316 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009255.D

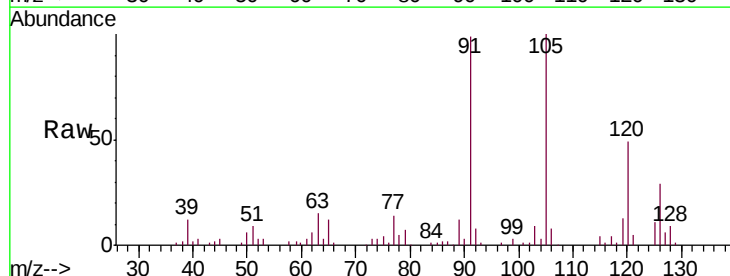
Acq: 24 Jan 2019 12:52

Tgt Ion: 105 Resp: 42951

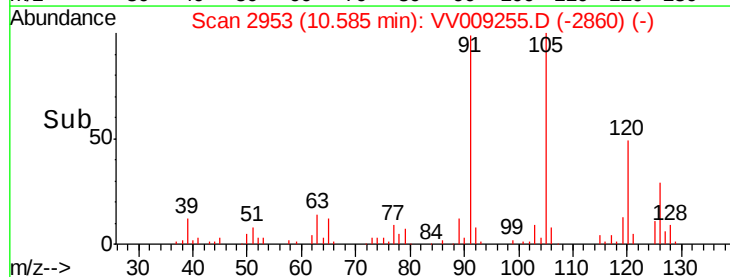
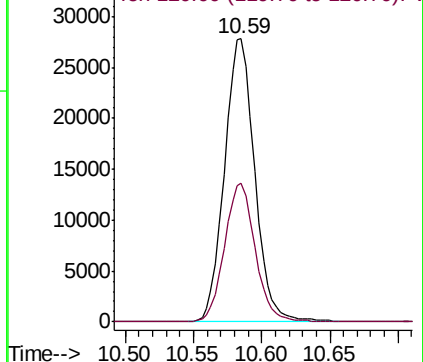
Ion Ratio Lower Upper

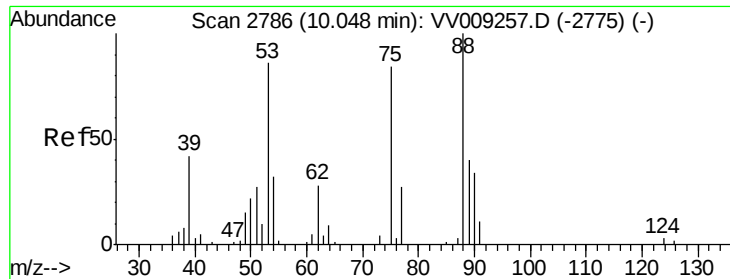
105 100

120 49.4 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VV009255.D (-2860) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 10.198 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

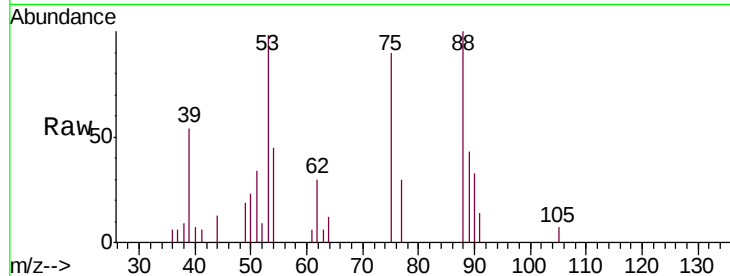
Tgt Ion: 75 Resp: 2708

Ion Ratio Lower Upper

75 100

53 101.0 80.2 120.2

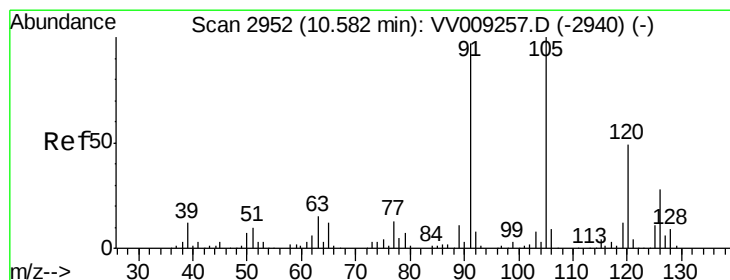
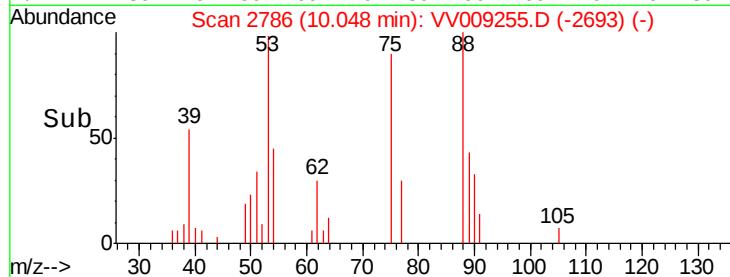
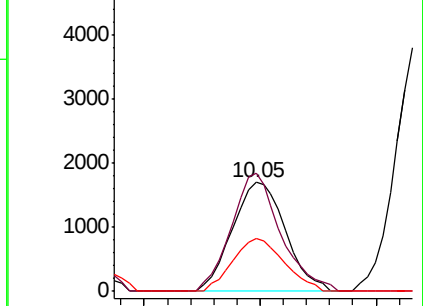
89 46.9 36.8 55.2



Abundance Ion 74.90 (74.60 to 75.60): VV009255.D (-2693) (-)

Ion 53.00 (52.70 to 53.70): VV009255.D (-2693) (-)

Ion 88.90 (88.60 to 89.60): VV009255.D (-2693) (-)



#82

4-Chlorotoluene

Concen: 9.761 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009255.D

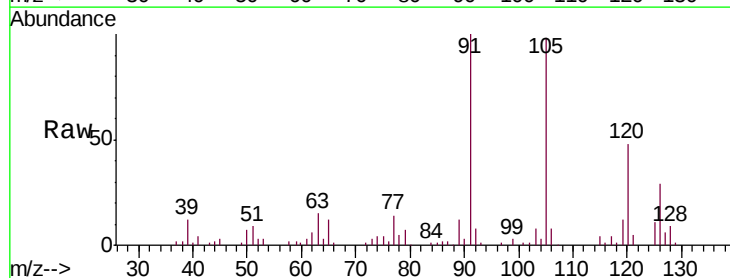
Acq: 24 Jan 2019 12:52

Tgt Ion: 91 Resp: 45355

Ion Ratio Lower Upper

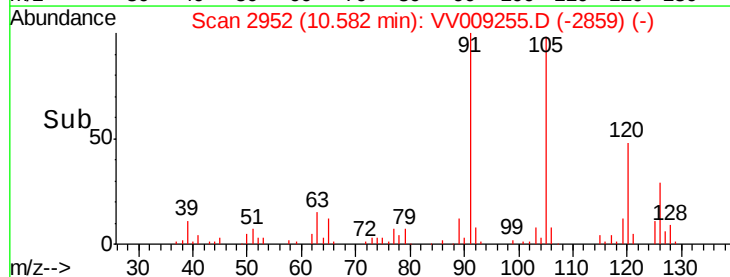
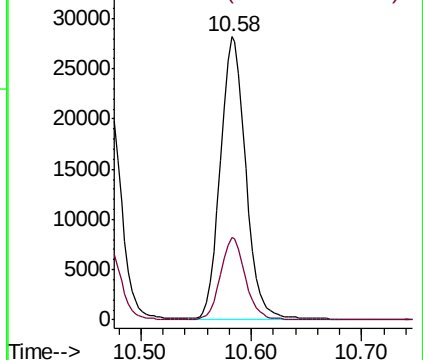
91 100

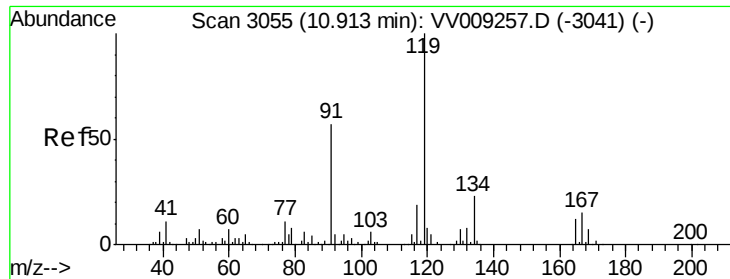
126 28.2 14.6 44.0



Abundance Ion 91.00 (90.70 to 91.70): VV009255.D (-2859) (-)

Ion 125.90 (125.60 to 126.60): VV009255.D (-2859) (-)

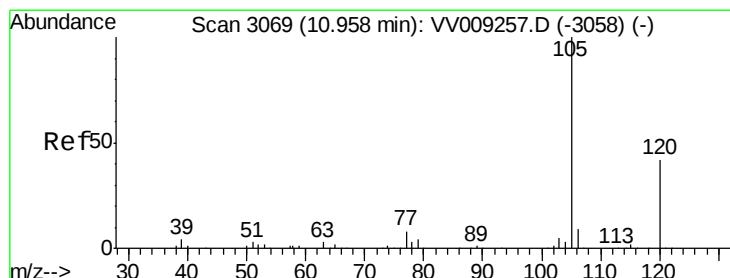
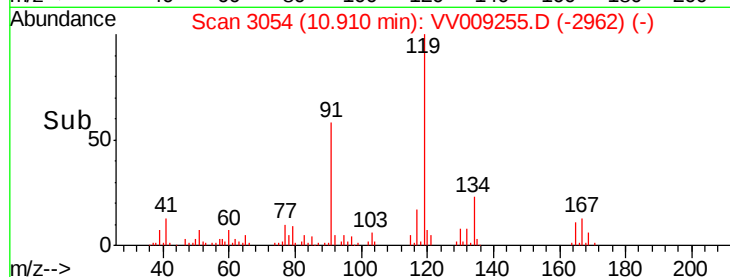
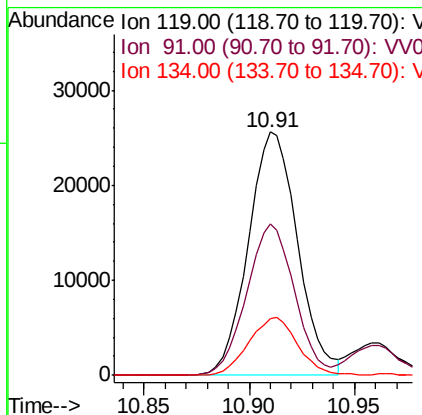
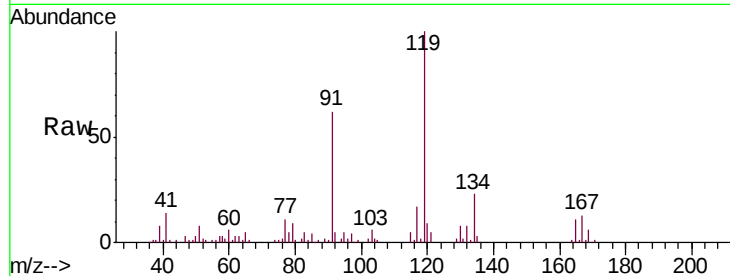




#83
 tert-Butylbenzene
 Concen: 9.458 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

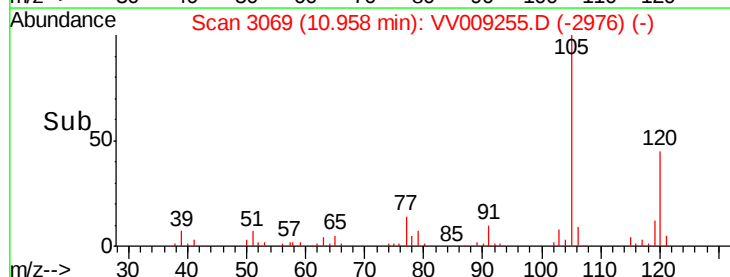
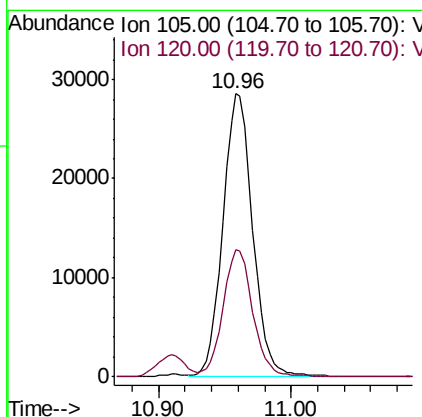
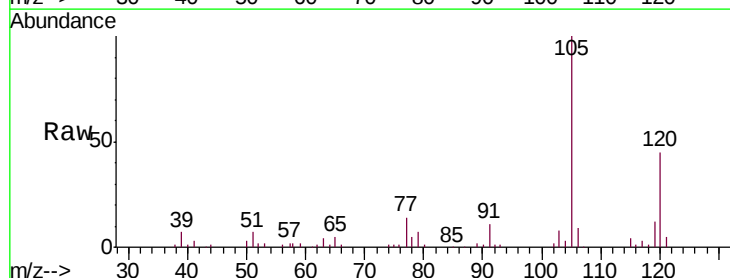
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

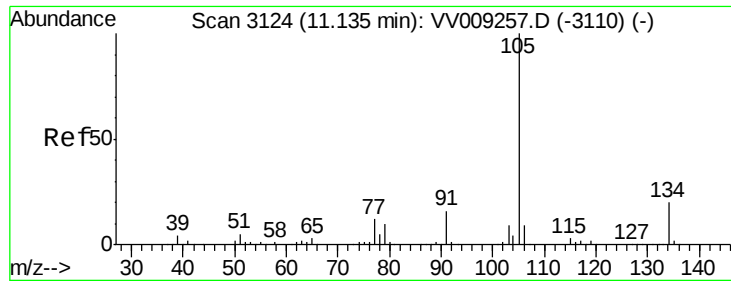
Tgt Ion:119 Resp: 41621
 Ion Ratio Lower Upper
 119 100
 91 60.4 28.6 85.8
 134 23.6 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 9.583 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion:105 Resp: 44690
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.7 68.1

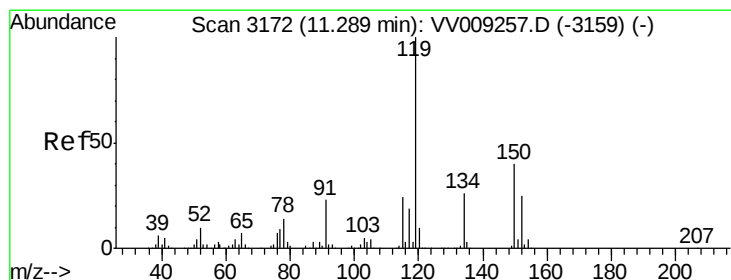
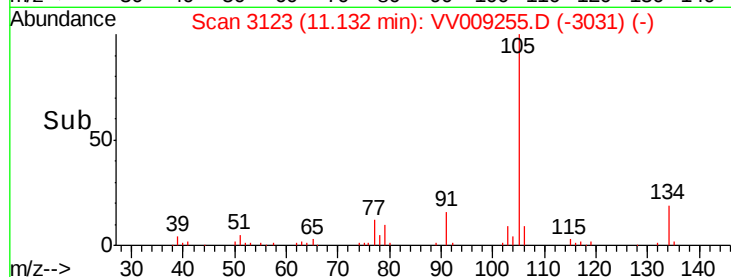
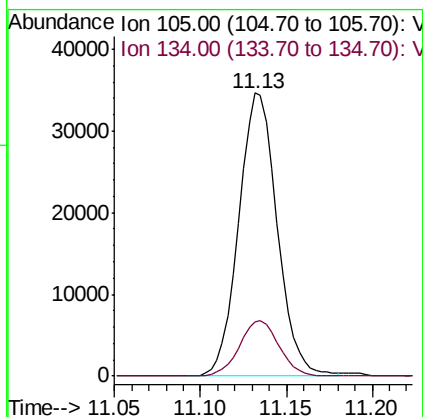
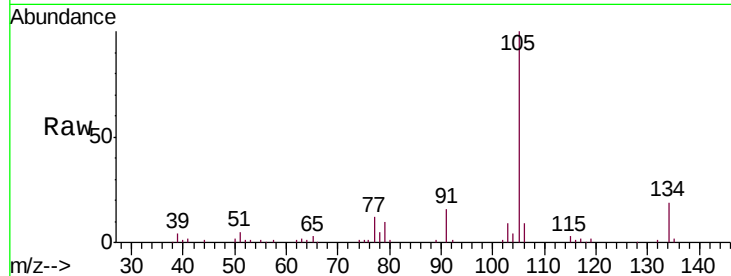




#85
 sec-Butylbenzene
 Concen: 9.378 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

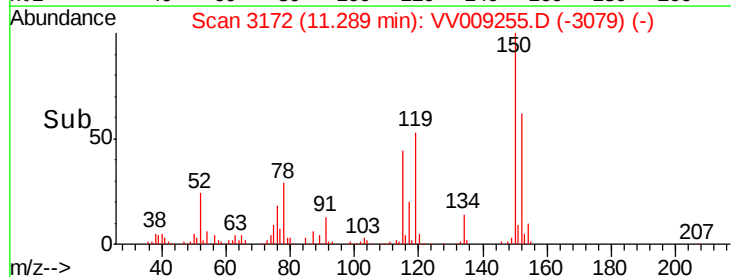
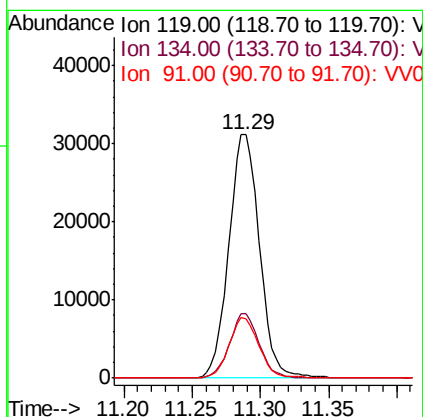
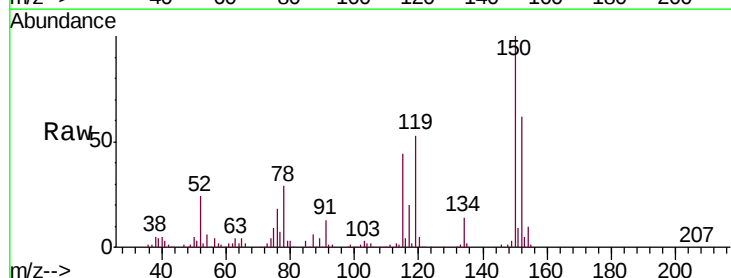
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

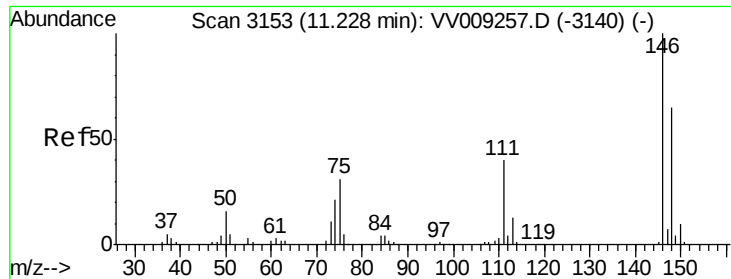
Tgt Ion:105 Resp: 54016
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 9.651 ug/l
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion:119 Resp: 48692
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.2 39.5
 91 24.3 11.9 35.7

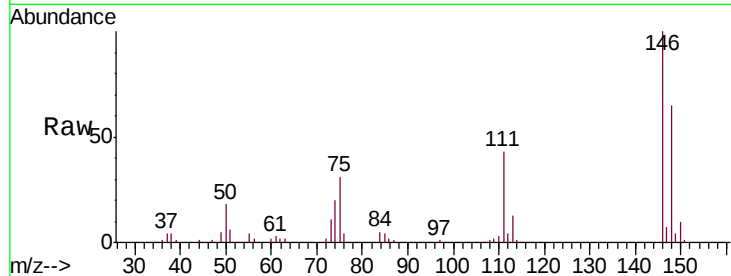




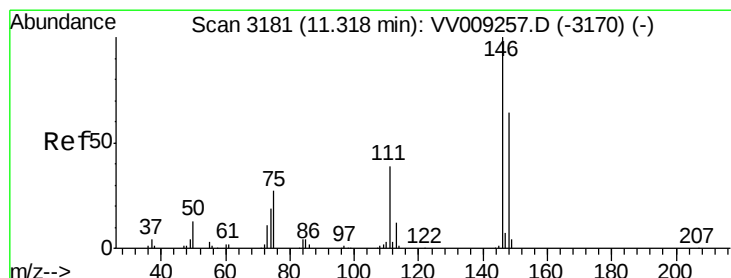
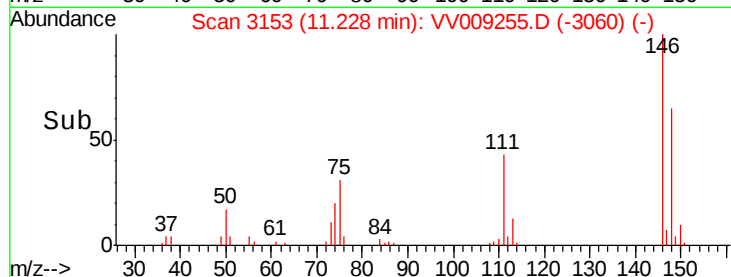
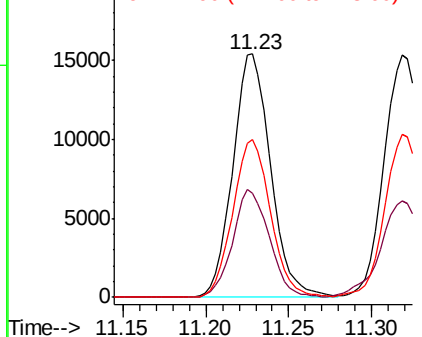
#87
 1,3-Dichlorobenzene
 Concen: 9.905 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tgt Ion:146 Resp: 24436
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.2 60.5
 148 64.6 31.8 95.3

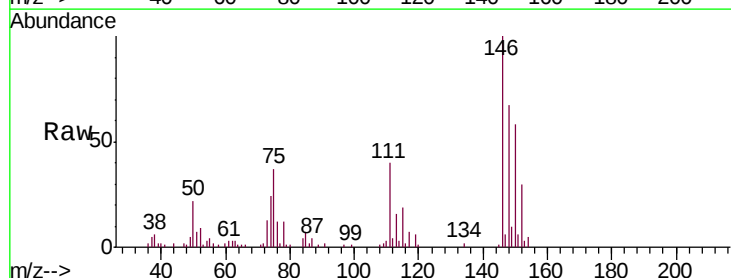


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

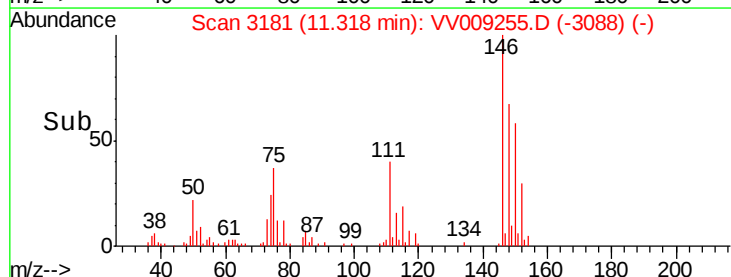
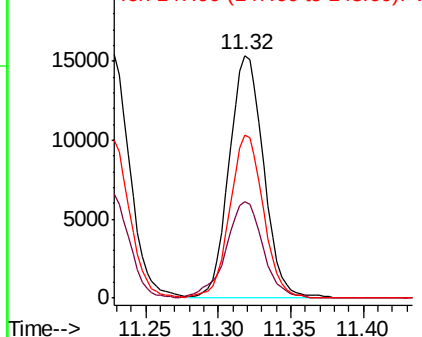


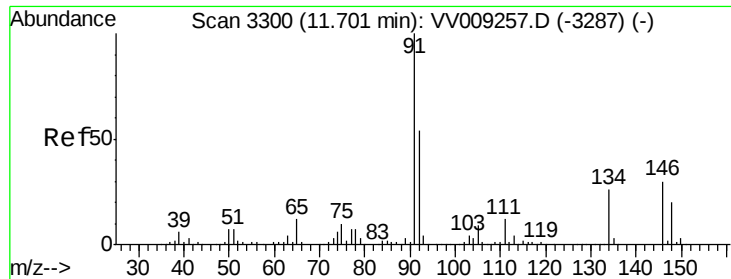
#88
 1,4-Dichlorobenzene
 Concen: 10.198 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion:146 Resp: 25450
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.3 61.0
 148 65.3 31.6 94.8



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

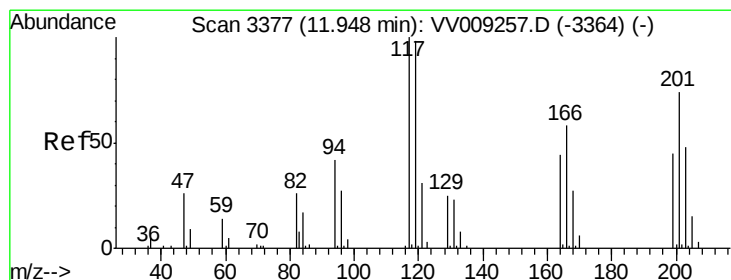
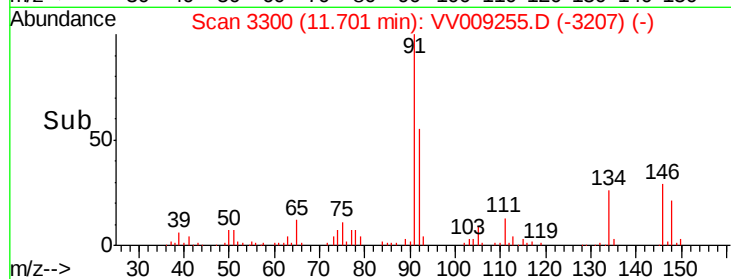
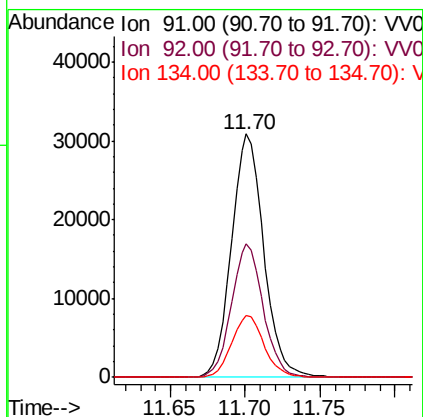
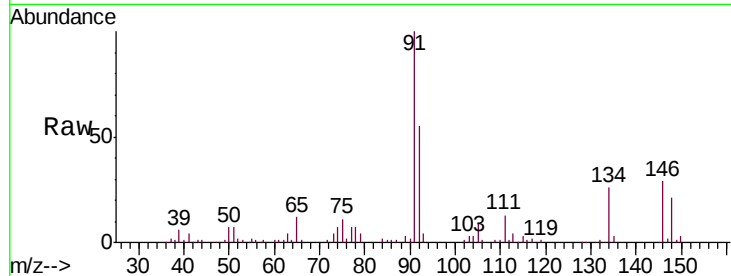




#89
n-Butylbenzene
Concen: 9.471 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

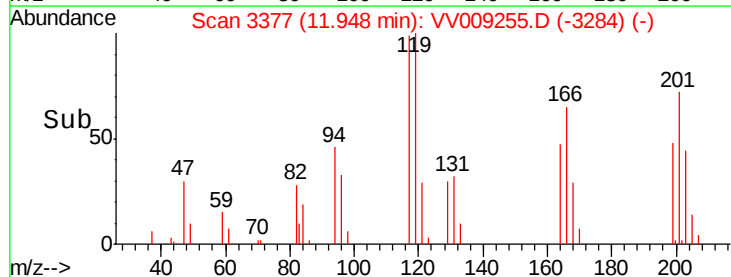
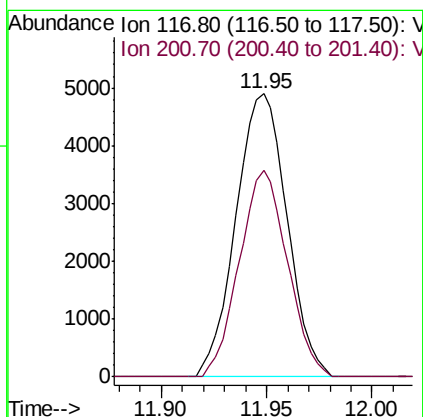
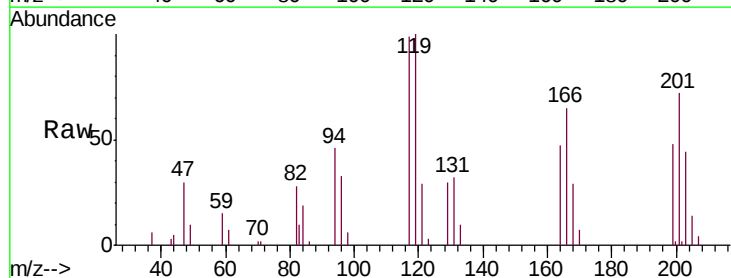
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

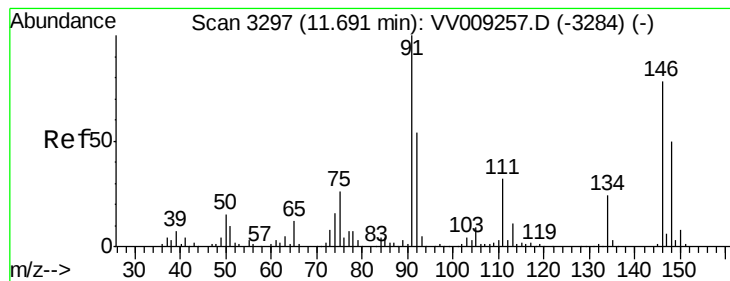
Tgt Ion: 91 Resp: 46322
Ion Ratio Lower Upper
91 100
92 53.7 27.1 81.2
134 25.5 13.1 39.3



#90
Hexachloroethane
Concen: 9.249 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 117 Resp: 8254
Ion Ratio Lower Upper
117 100
201 68.6 36.4 109.3





#91

1,2-Dichlorobenzene

Concen: 10.149 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

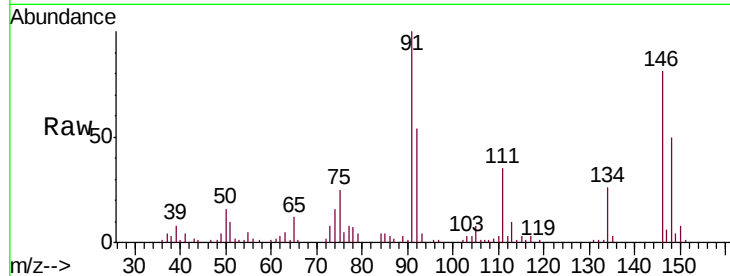
Tgt Ion: 146 Resp: 22157

Ion Ratio Lower Upper

146 100

111 44.1 20.9 62.7

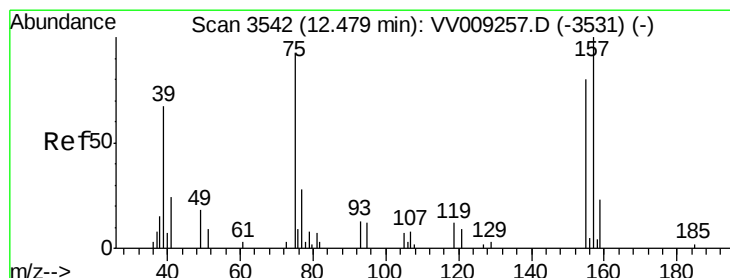
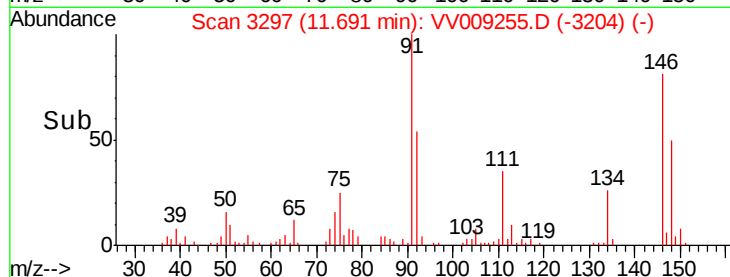
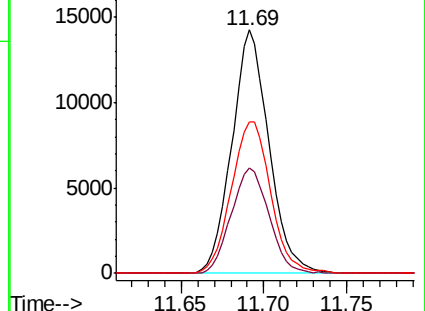
148 66.1 32.1 96.3



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: 10.608 ug/l

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

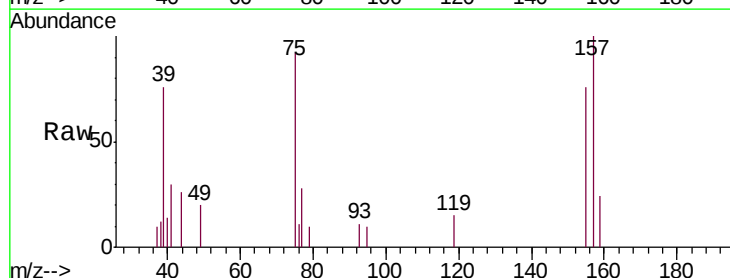
Tgt Ion: 75 Resp: 1709

Ion Ratio Lower Upper

75 100

155 77.4 41.1 123.4

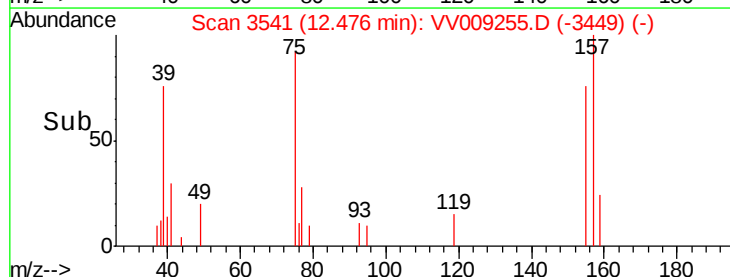
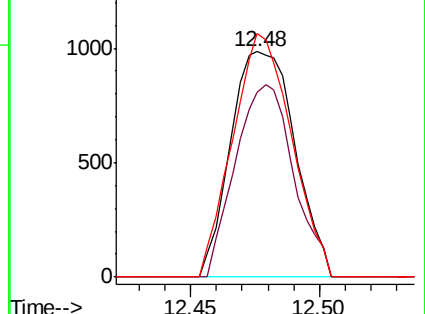
157 99.0 53.2 159.6

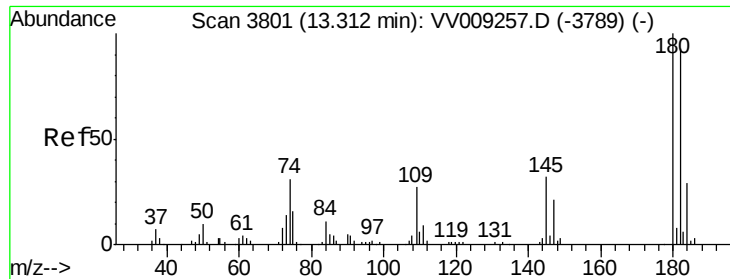


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

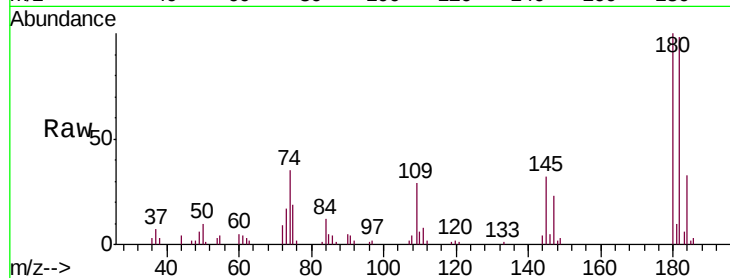




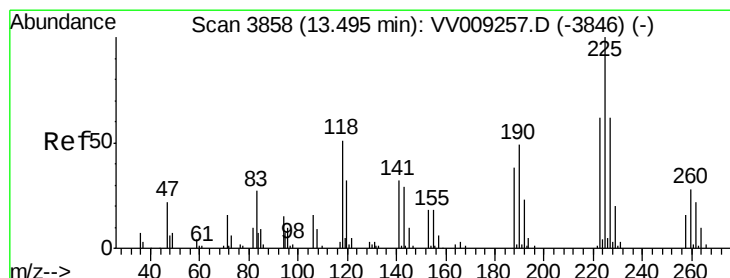
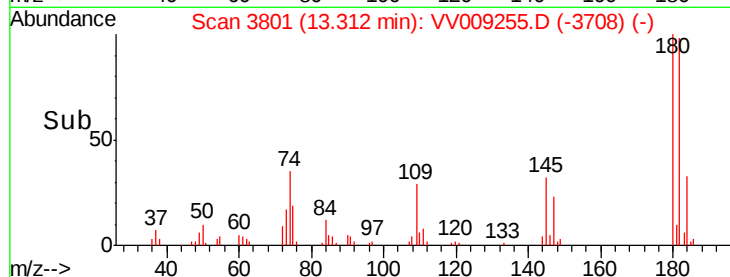
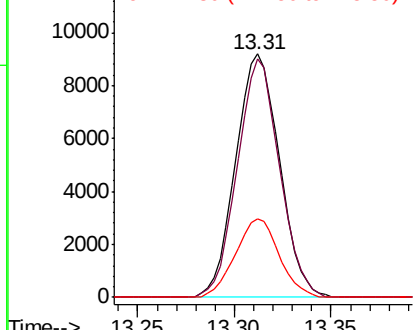
#93
 1,2,4-Trichlorobenzene
 Concen: 10.180 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 14458
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.1 141.4
 145 32.1 15.8 47.4

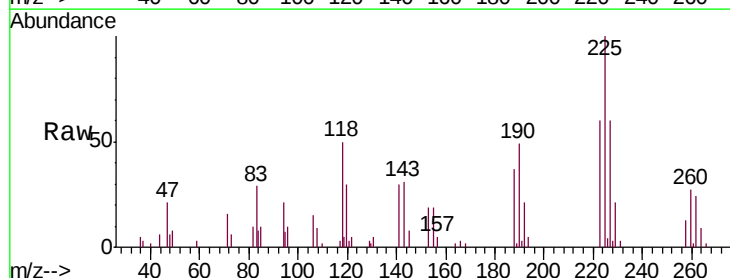


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

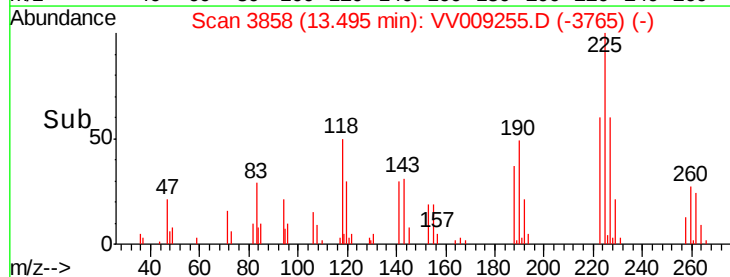
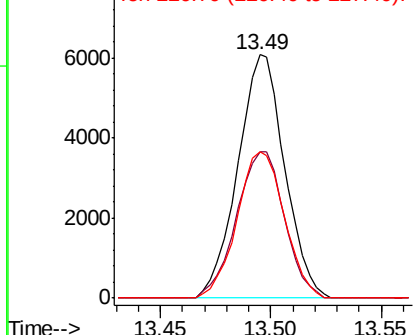


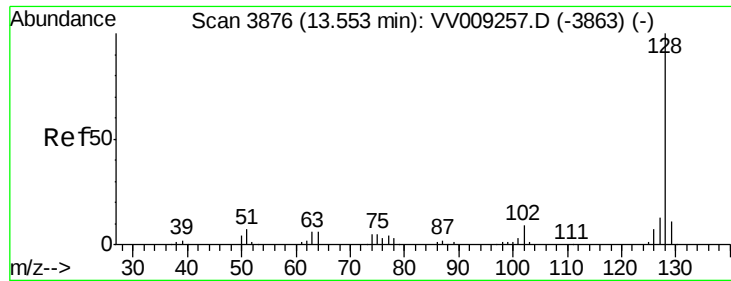
#94
 Hexachlorobutadiene
 Concen: 10.216 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion:225 Resp: 8942
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.3 93.9
 227 60.8 31.6 94.7



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

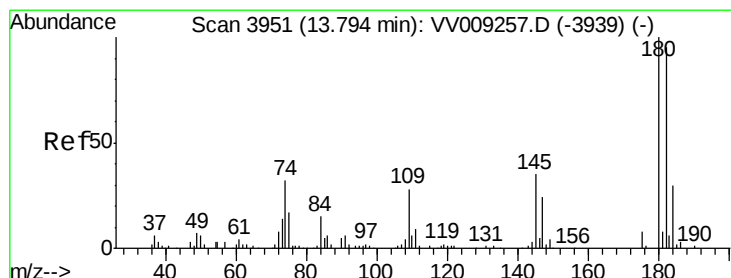
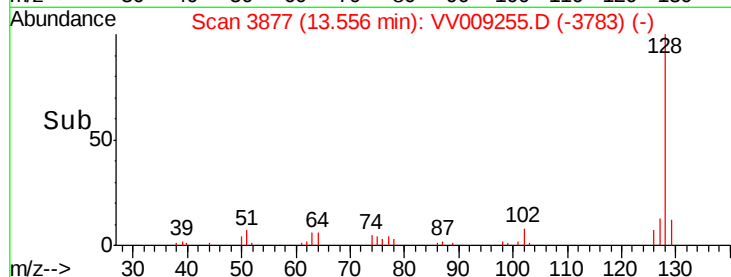
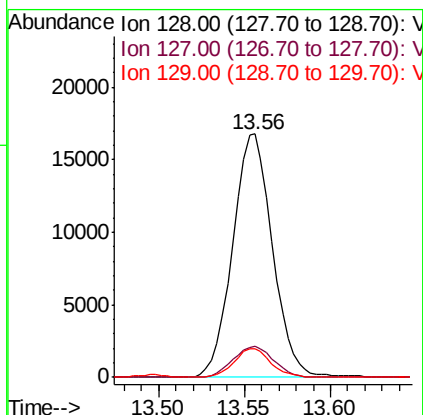
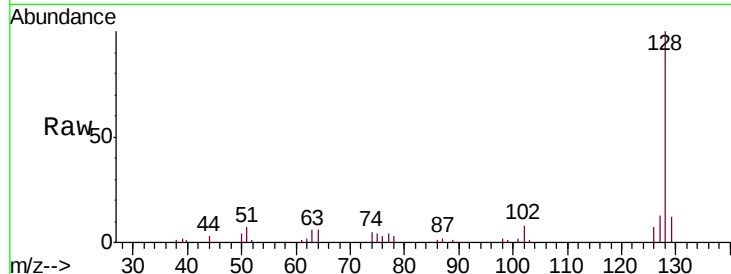




#95
Naphthalene
Concen: 10.730 ug/l
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 27051
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 10.899 ug/l
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion:180 Resp: 13215
Ion Ratio Lower Upper
180 100
182 93.1 47.5 142.6
145 33.9 17.2 51.6

