

Data File : VV009221.D
Acq On : 18 Jan 2019 15:33
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00 G/5ML/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

Quant Time: Jan 19 02:53:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 19 02:50:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	91526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	162920	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	149194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	71408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	6402	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	4.64	113	5250	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
50) Toluene-d8	7.36	98	20748	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
62) 4-Bromofluorobenzene	10.12	95	7659	4.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	4334	6.132	ug/l	89
3) Chloromethane	1.25	50	5602	5.589	ug/l	99
4) Vinyl Chloride	1.33	62	5219	5.299	ug/l	91
5) Bromomethane	1.53	94	3824	5.936	ug/l	94
6) Chloroethane	1.60	64	3407	5.540	ug/l	94
7) Trichlorofluoromethane	1.76	101	3232	5.641	ug/l	95
8) Diethyl Ether	1.96	74	2530	5.288	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.14	101	5143	5.780	ug/l	97
10) Methyl Iodide	2.25	142	7860	5.479	ug/l	99
11) Tert butyl alcohol	2.66	59	3377	47.598	ug/l #	85
12) 1,1-Dichloroethene	2.14	96	4963	5.792	ug/l	96
13) Acrolein	2.06	56	1735	29.801	ug/l	96
14) Allyl chloride	2.42	41	8756	5.665	ug/l	97
15) Acrylonitrile	2.76	53	5361	26.715	ug/l	97
16) Acetone	2.18	43	8913	35.376	ug/l	98
17) Carbon Disulfide	2.31	76	14596	5.501	ug/l	99
18) Methyl Acetate	2.45	43	4242	6.410	ug/l	97
19) Methyl tert-butyl Ether	2.80	73	7583	5.414	ug/l	100
20) Methylene Chloride	2.53	84	7399	7.570	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	5459	5.774	ug/l	95
22) Diisopropyl ether	3.33	45	18363	5.218	ug/l	93
23) Vinyl Acetate	3.30	43	46082	24.070	ug/l	100
24) 1,1-Dichloroethane	3.22	63	11678	5.638	ug/l	97
25) 2-Butanone	4.02	43	8023	25.381	ug/l	97
26) 2,2-Dichloropropane	3.94	77	5228	4.524	ug/l	96
27) cis-1,2-Dichloroethene	3.95	96	6398	5.284	ug/l	98
28) Bromochloromethane	4.28	49	3926	4.513	ug/l #	98
29) Tetrahydrofuran	4.39	42	4590	24.250	ug/l	95
30) Chloroform	4.42	83	12223	5.600	ug/l	91
31) Cyclohexane	4.72	56	12379	7.003	ug/l #	87
32) 1,1,1-Trichloroethane	4.65	97	9768	5.520	ug/l	98
36) 1,1-Dichloropropene	4.87	75	9248	5.814	ug/l	95
37) Ethyl Acetate	4.12	43	3437	5.111	ug/l #	75
38) Carbon Tetrachloride	4.87	117	8774	5.412	ug/l	96

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Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

Quant Time: Jan 19 02:53:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 19 02:50:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	10072	5.269	ug/l	99
40) Benzene	5.14	78	25457	5.502	ug/l	98
41) Methacrylonitrile	4.31	41	1872	4.749	ug/l #	77
42) 1,2-Dichloroethane	5.17	62	8259	5.324	ug/l	99
43) Isopropyl Acetate	5.33	43	6335	4.812	ug/l	97
44) Trichloroethene	5.96	130	6412	5.511	ug/l	97
45) 1,2-Dichloropropane	6.22	63	5831	5.048	ug/l	94
46) Dibromomethane	6.35	93	3074	5.039	ug/l	98
47) Bromodichloromethane	6.55	83	8122	5.016	ug/l #	89
48) Methyl methacrylate	6.42	41	3490	5.052	ug/l	92
49) 1,4-Dioxane	6.42	88	709	86.441	ug/l #	88
51) 4-Methyl-2-Pentanone	7.27	43	16634	24.165	ug/l	99
52) Toluene	7.43	92	15542	5.298	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	7905	4.978	ug/l	93
54) cis-1,3-Dichloropropene	7.07	75	8504	4.635	ug/l	92
55) 1,1,2-Trichloroethane	7.88	97	4076	4.991	ug/l	96
56) Ethyl methacrylate	7.83	69	4505	4.389	ug/l	92
57) 1,3-Dichloropropane	8.05	76	7825	5.081	ug/l	98
59) 2-Hexanone	8.19	43	12909	26.159	ug/l	96
60) Dibromochloromethane	8.29	129	4638	4.612	ug/l	94
61) 1,2-Dibromoethane	8.40	107	4093	5.014	ug/l	99
64) Tetrachloroethene	8.02	164	5134	5.548	ug/l	97
65) Chlorobenzene	8.93	112	17697	5.636	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	5563	4.989	ug/l	94
67) Ethyl Benzene	9.05	91	30250	5.343	ug/l	98
68) m/p-Xylenes	9.18	106	22154	10.488	ug/l	99
69) o-Xylene	9.59	106	9766	4.818	ug/l	89
70) Styrene	9.60	104	16128	4.851	ug/l	95
71) Bromoform	9.77	173	2413	4.471	ug/l #	97
73) Isopropylbenzene	9.97	105	28711	5.403	ug/l	99
74) N-amyl acetate	9.84	43	5385	4.768	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	4848	5.126	ug/l	98
76) 1,2,3-Trichloropropane	10.05	75	1112	1.558	ug/l	88
77) Bromobenzene	10.26	156	6471	5.576	ug/l	95
78) n-propylbenzene	10.40	91	34913	5.501	ug/l	98
79) 2-Chlorotoluene	10.47	91	22909	6.047	ug/l	93
80) 1,3,5-Trimethylbenzene	10.59	105	24183	5.349	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	1136	4.183	ug/l	86
82) 4-Chlorotoluene	10.58	91	26554	5.819	ug/l	96
83) tert-Butylbenzene	10.91	119	23439	5.472	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	25453	5.506	ug/l	99
85) sec-Butylbenzene	11.13	105	30472	5.536	ug/l	98
86) p-Isopropyltoluene	11.29	119	26493	5.415	ug/l	97
87) 1,3-Dichlorobenzene	11.23	146	13653	5.817	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	14101	5.953	ug/l	94
89) n-Butylbenzene	11.70	91	27344	5.693	ug/l	99
90) Hexachloroethane	11.95	117	4489	5.002	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	12262	5.809	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.48	75	786	4.743	ug/l	93
93) 1,2,4-Trichlorobenzene	13.31	180	8489	6.045	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV011819\
Quantitation Report (Not Reviewed)

Data File : VV009221.D
Acq On : 18 Jan 2019 15:33
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00 G/5ML/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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Quant Title : SW846 8260
QLast Update : Sat Jan 19 02:50:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	4935	6.138	ug/l	96
95) Naphthalene	13.56	128	14526	5.742	ug/l	99
96) 1,2,3-Trichlorobenzene	13.80	180	7221	5.833	ug/l	96

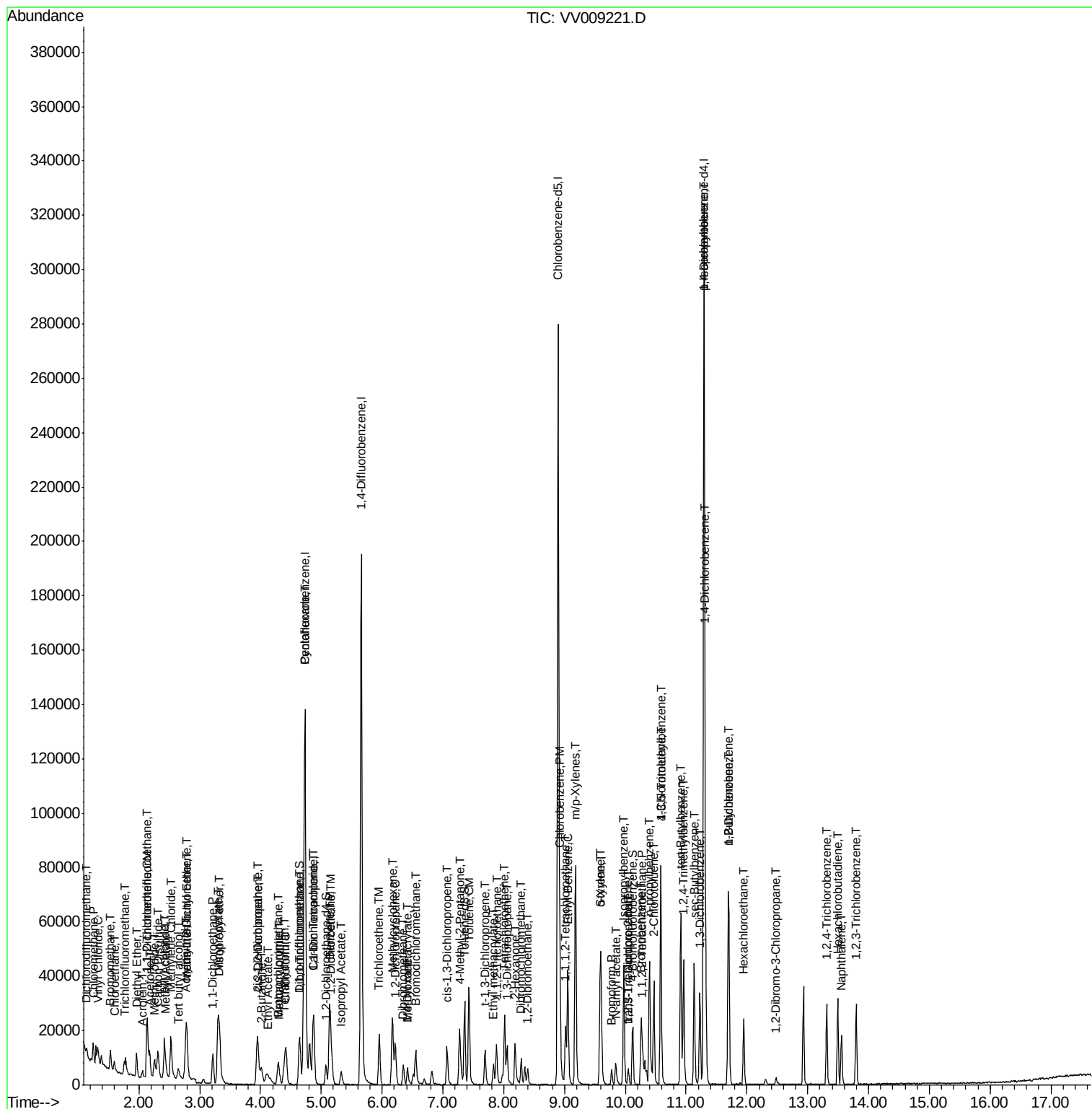
(#) = qualifier out of range (m) = manual integration (+) = signals summed

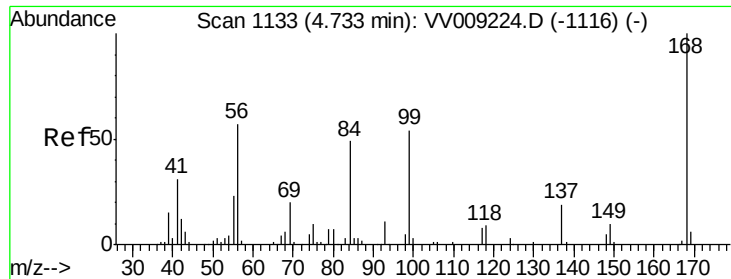
Data File : VV009221.D

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Acq On       : 18 Jan 2019   15:33
Operator     : SY/MD
Sample       : VSTDIC005
Misc         : 5.00 G/5ML/MSV0A_V/SOIL
ALS Vial     : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Quant Time: Jan 19 02:53:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 19 02:50:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

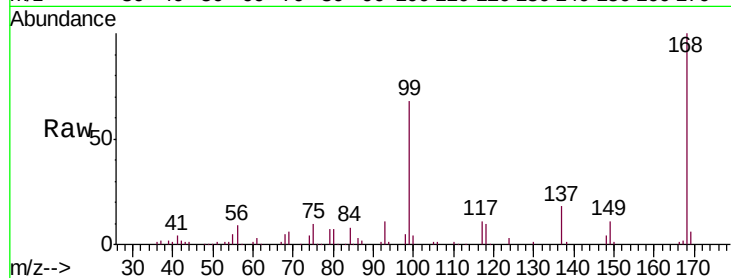
VSTDIC005

Tgt Ion:168 Resp: 91526

Ion Ratio Lower Upper

168 100

99 67.6 54.7 82.1

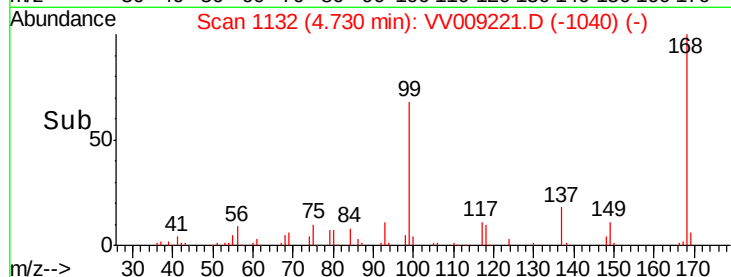


Abundance Ion 167.90 (167.60 to 168.60): VV009221.D (-1040) (-)

Ion 98.90 (98.60 to 99.60): VV009221.D (-1040) (-)

4.73

4.60 4.70 4.80



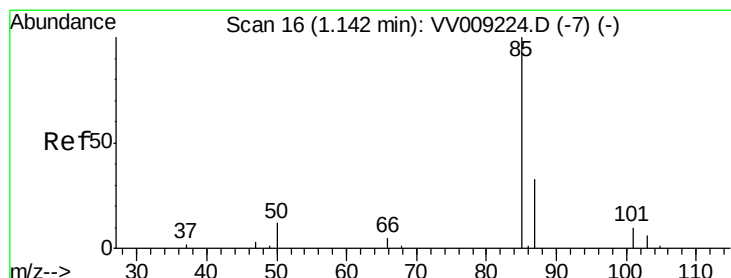
Abundance

Ion 167.90 (167.60 to 168.60): VV009221.D (-1040) (-)

Ion 98.90 (98.60 to 99.60): VV009221.D (-1040) (-)

4.73

4.60 4.70 4.80



#2

Dichlorodifluoromethane

Concen: 6.132 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009221.D

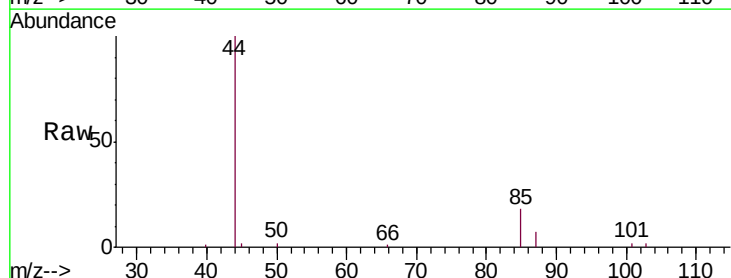
Acq: 18 Jan 2019 15:33

Tgt Ion: 85 Resp: 4334

Ion Ratio Lower Upper

85 100

87 39.0 16.4 49.4

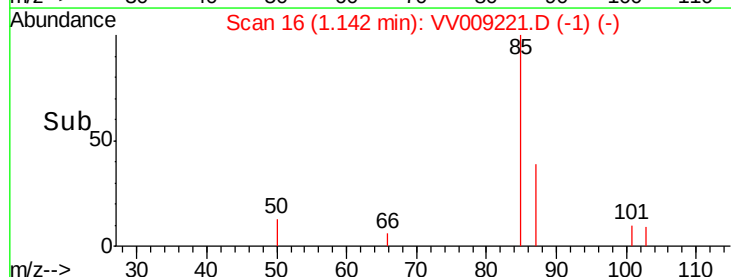


Abundance Ion 84.90 (84.60 to 85.60): VV009221.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VV009221.D (-1) (-)

1.14

1.10 1.15 1.20 1.25



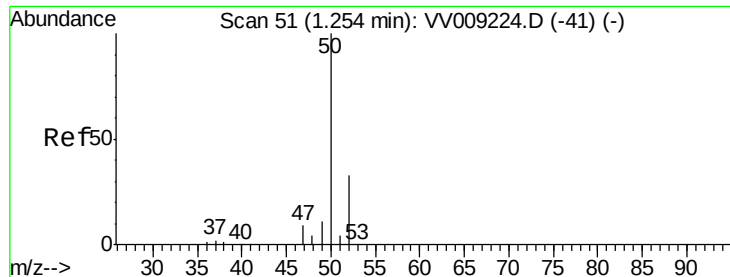
Abundance

Ion 84.90 (84.60 to 85.60): VV009221.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VV009221.D (-1) (-)

1.14

1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 5.589 ug/l

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

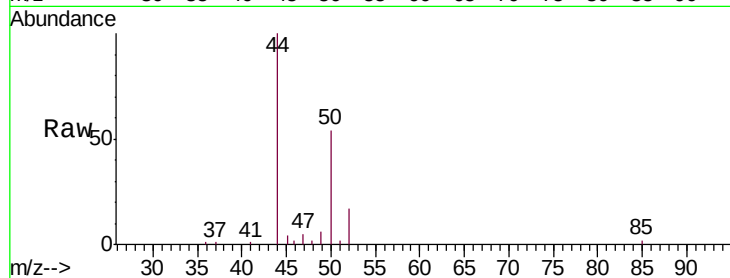
VSTDIC005

Tgt Ion: 50 Resp: 5602

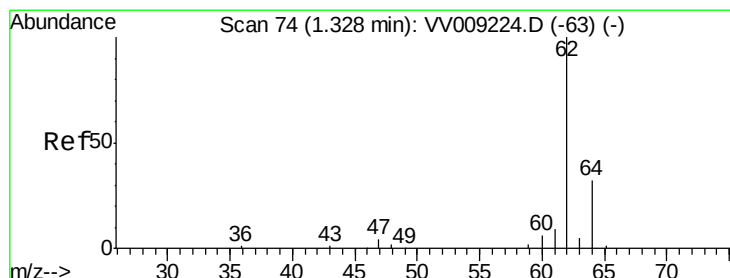
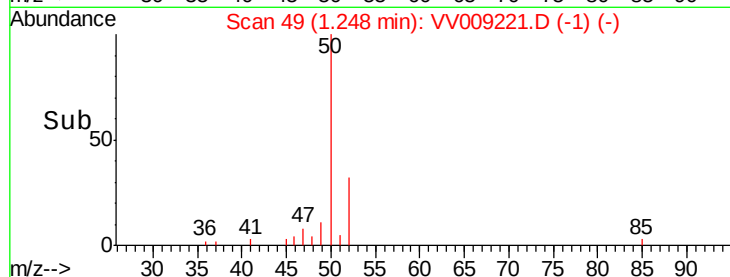
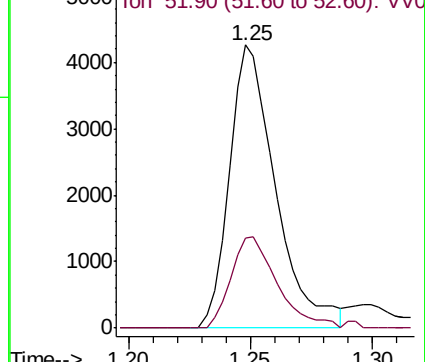
Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VV009221.D (-1) (-)



#4

Vinyl Chloride

Concen: 5.299 ug/l

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009221.D

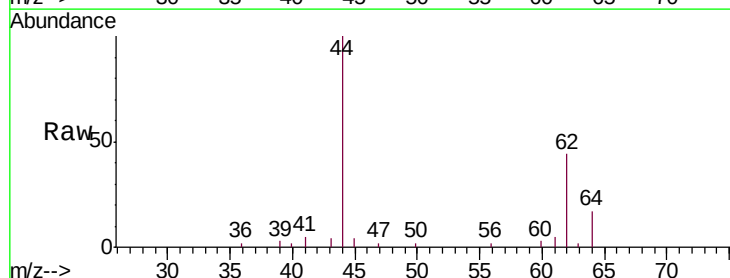
Acq: 18 Jan 2019 15:33

Tgt Ion: 62 Resp: 5219

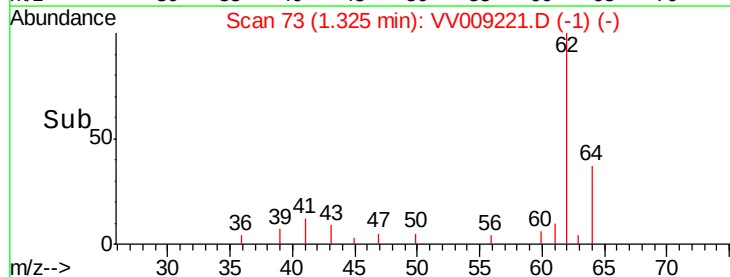
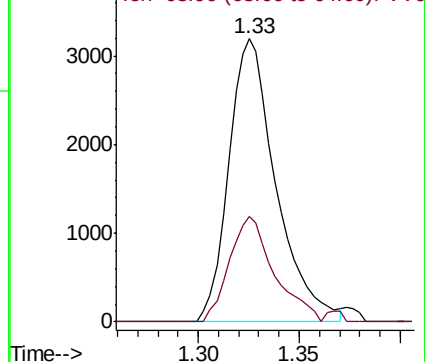
Ion Ratio Lower Upper

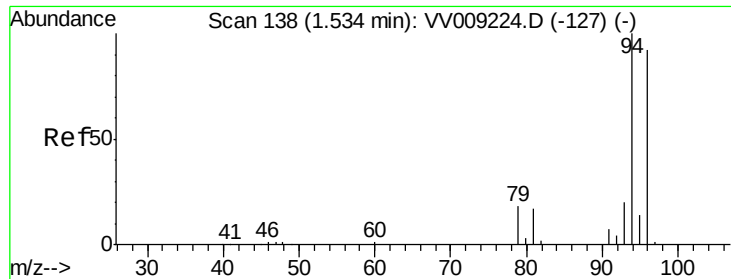
62 100

64 37.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VV009221.D (-1) (-)

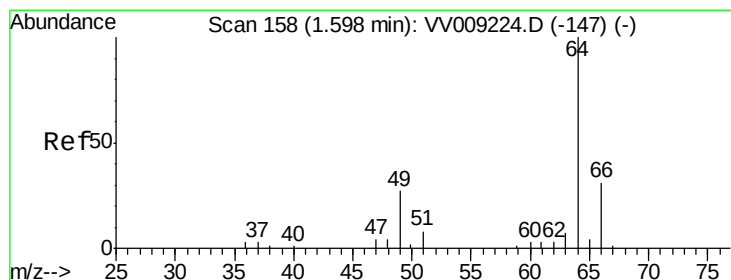
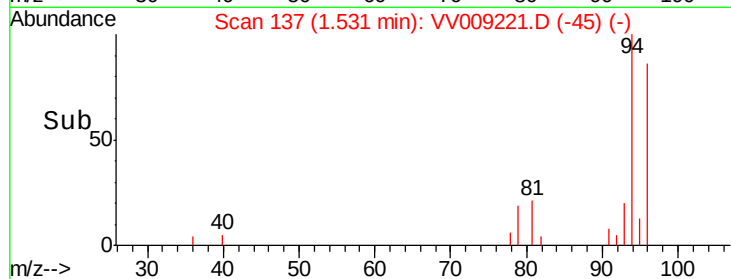
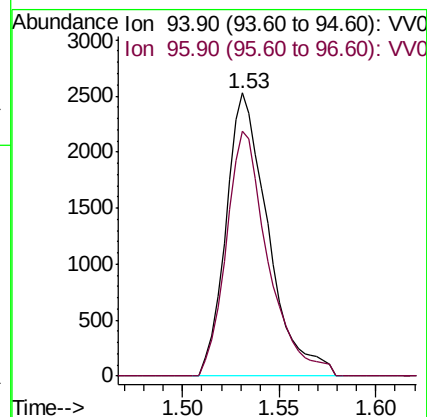
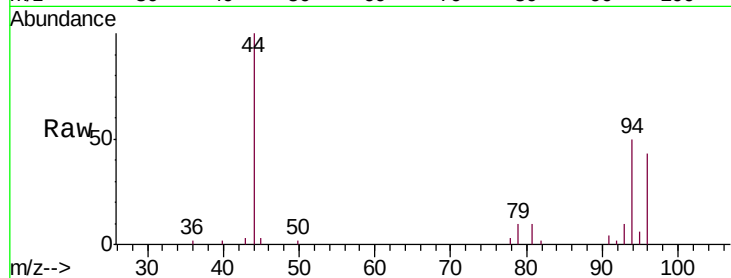




#5
Bromomethane
Concen: 5.936 ug/l
RT: 1.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

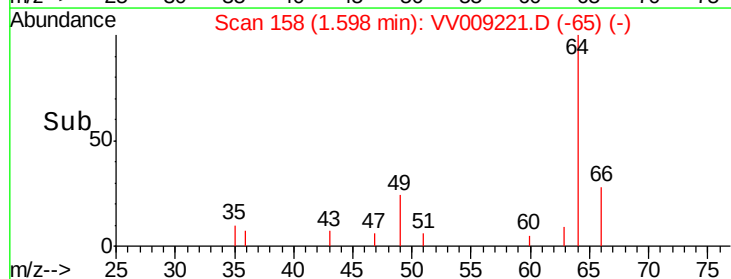
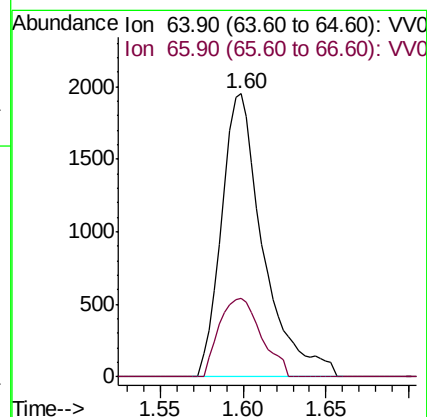
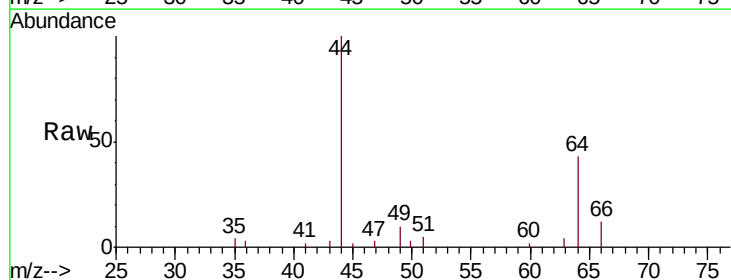
Instrument :
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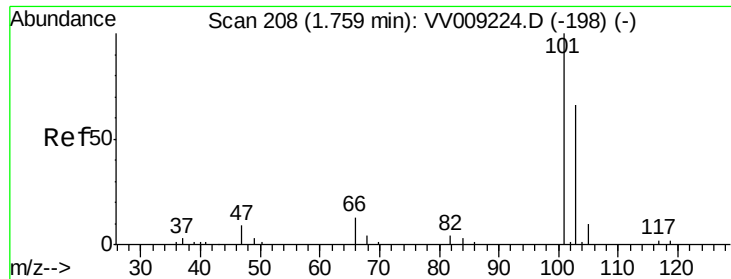
Tgt Ion: 94 Resp: 3824
Ion Ratio Lower Upper
94 100
96 86.4 73.9 110.9



#6
Chloroethane
Concen: 5.540 ug/l
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 64 Resp: 3407
Ion Ratio Lower Upper
64 100
66 27.8 25.1 37.7





#7

Trichlorofluoromethane

Concen: 5.641 ug/l

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

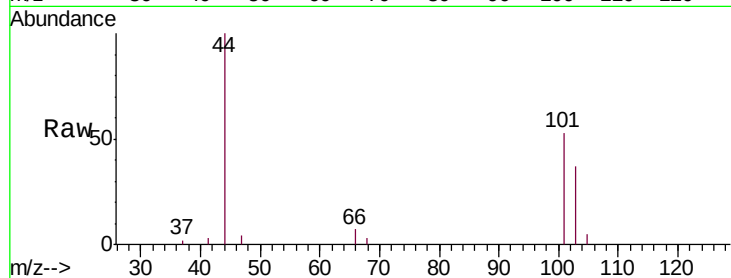
VSTDIC005

Tgt Ion: 101 Resp: 3232

Ion Ratio Lower Upper

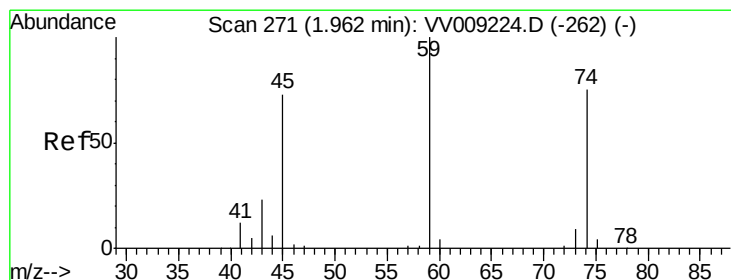
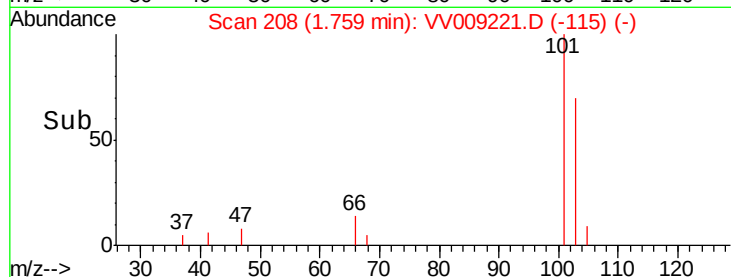
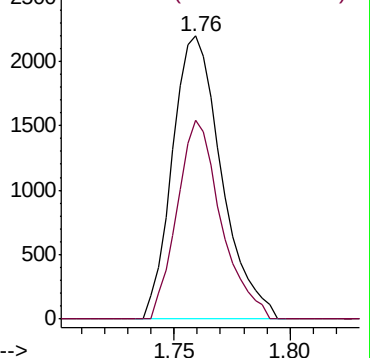
101 100

103 70.1 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.288 ug/l

RT: 1.96 min Scan# 271

Delta R.T. 0.00 min

Lab File: VV009221.D

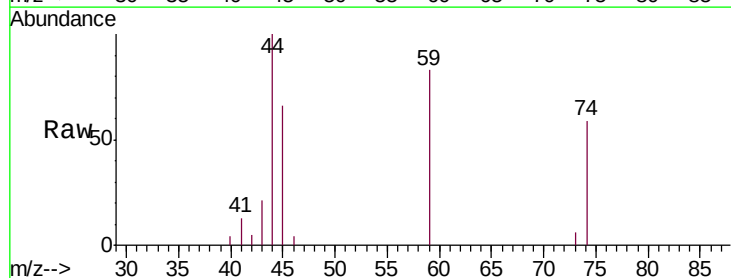
Acq: 18 Jan 2019 15:33

Tgt Ion: 74 Resp: 2530

Ion Ratio Lower Upper

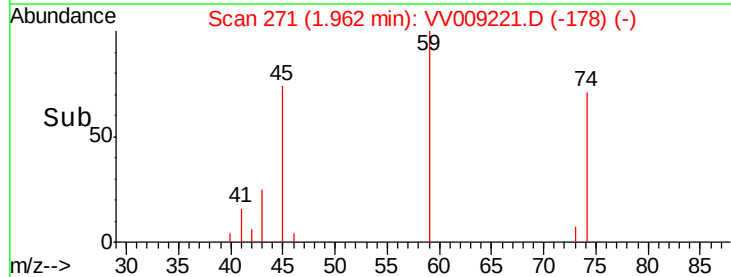
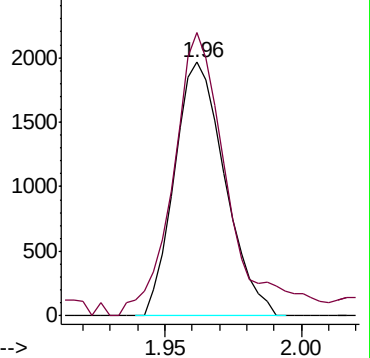
74 100

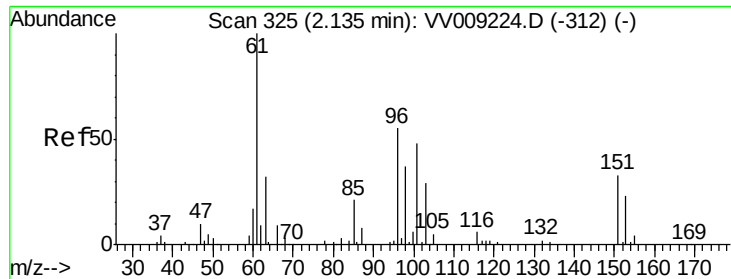
45 121.5 49.4 148.2



Abundance Ion 74.00 (73.70 to 74.70): VV0

Ion 45.00 (44.70 to 45.70): VV0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.780 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

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VSTDIC005

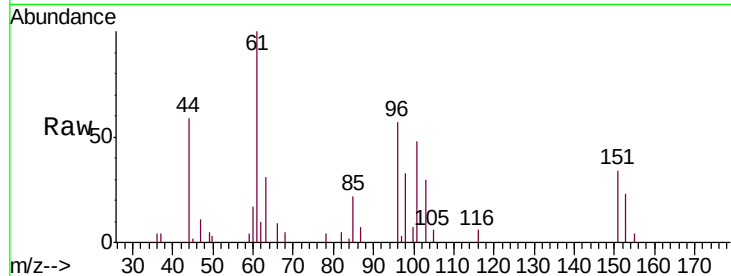
Tgt Ion:101 Resp: 5143

Ion Ratio Lower Upper

101 100

85 47.0 36.2 54.4

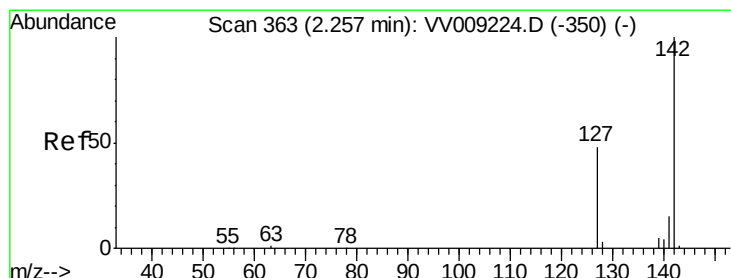
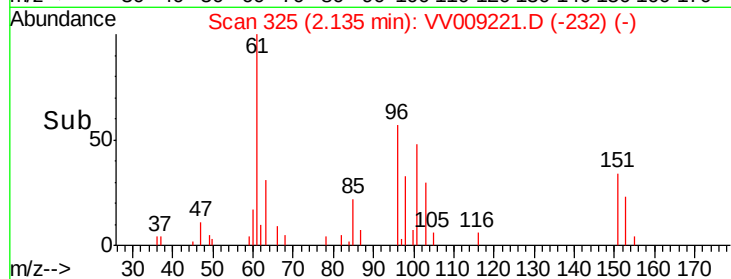
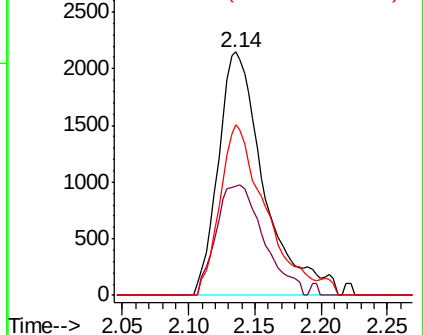
151 69.6 57.9 86.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.479 ug/l

RT: 2.25 min Scan# 362

Delta R.T. -0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

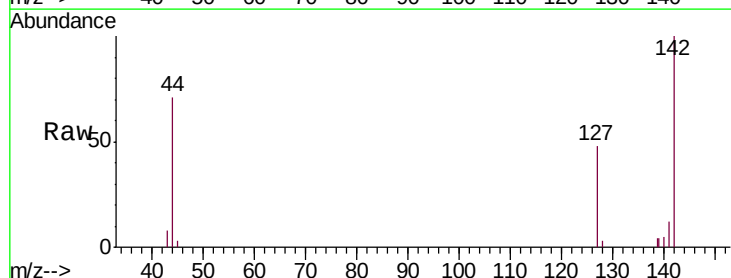
Tgt Ion:142 Resp: 7860

Ion Ratio Lower Upper

142 100

127 48.8 39.0 58.4

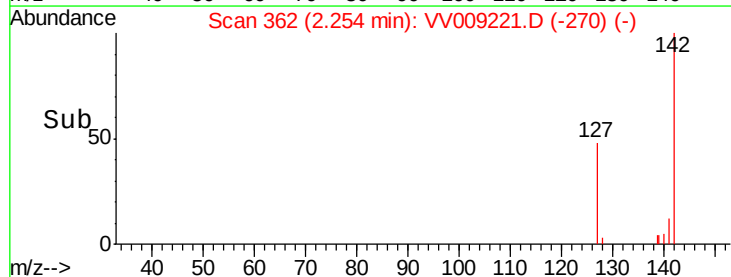
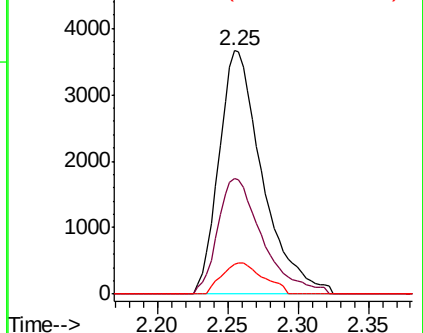
141 12.2 11.4 17.0

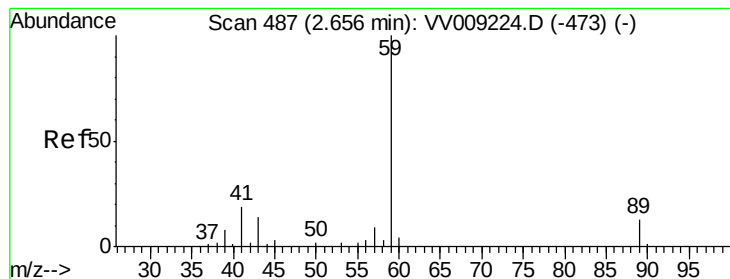


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



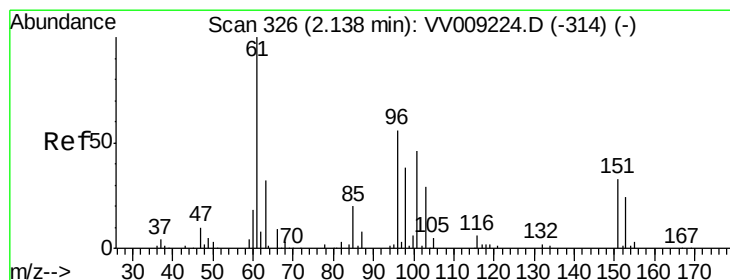
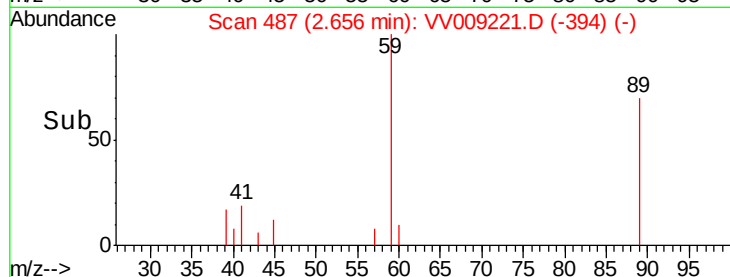
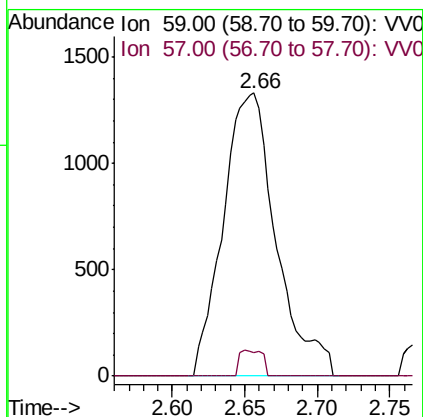
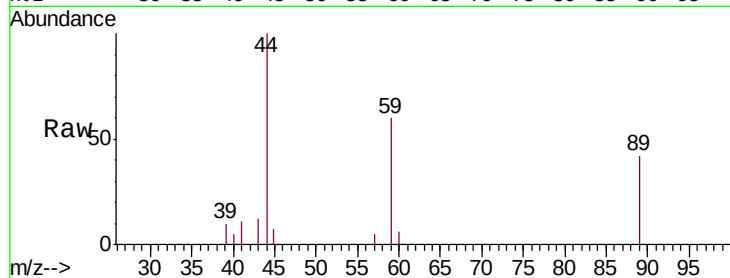


#11

Tert butyl alcohol
Concen: 47.598 ug/l
RT: 2.66 min Scan# 487
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Instrument :
MSVOA_V
ClientSampled :
VSTDIC005

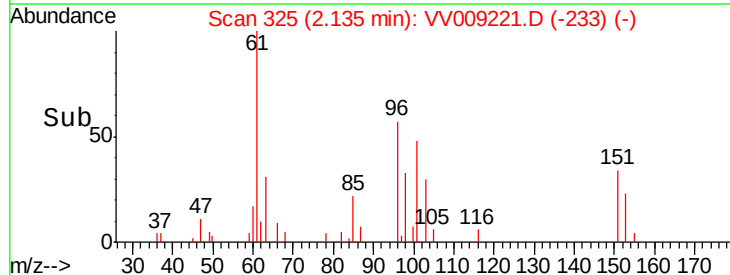
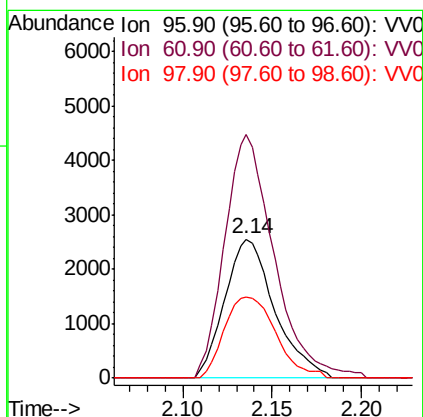
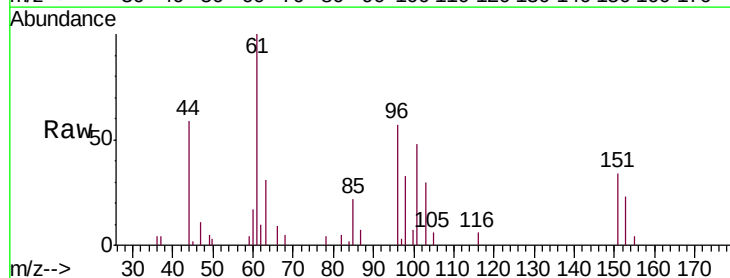
Tgt Ion: 59 Resp: 3377
Ion Ratio Lower Upper
59 100
57 3.9 7.5 11.3#

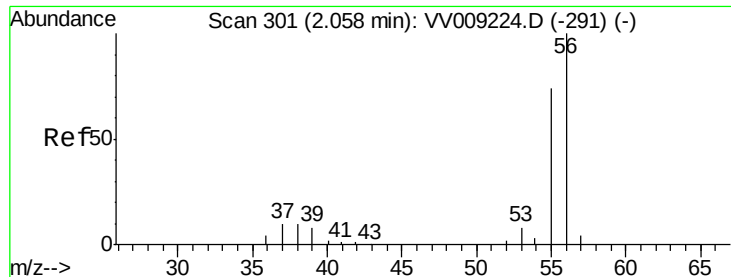


#12

1,1-Dichloroethene
Concen: 5.792 ug/l
RT: 2.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 96 Resp: 4963
Ion Ratio Lower Upper
96 100
61 175.1 141.9 212.9
98 58.7 53.3 79.9





#13

Acrolein

Concen: 29.801 ug/l

RT: 2.06 min Scan# 301

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

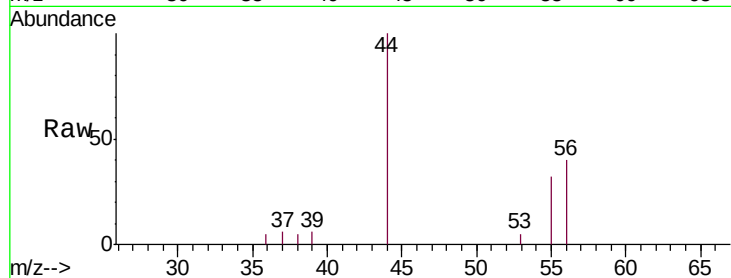
VSTDIC005

Tgt Ion: 56 Resp: 1735

Ion Ratio Lower Upper

56 100

55 73.3 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VV009221.D

Ion 55.00 (54.70 to 55.70): VV009221.D

2.06

1200

1000

800

600

400

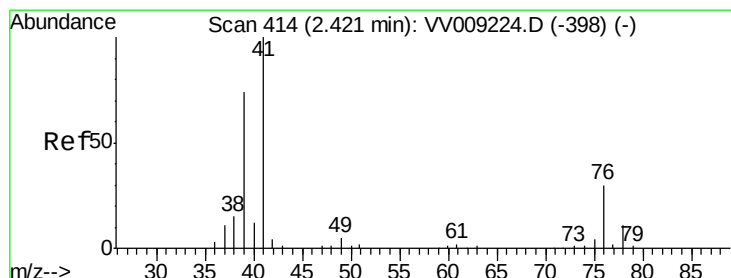
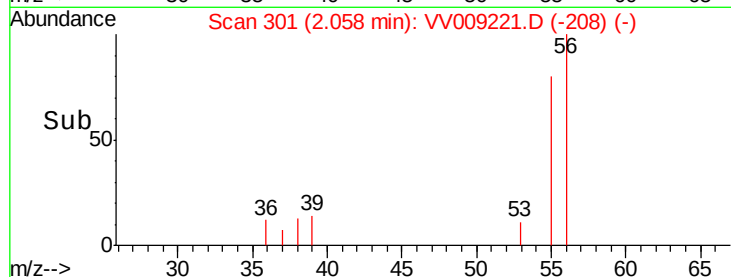
200

0

2.05

2.10

Time-->



#14

Allyl chloride

Concen: 5.665 ug/l

RT: 2.42 min Scan# 414

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

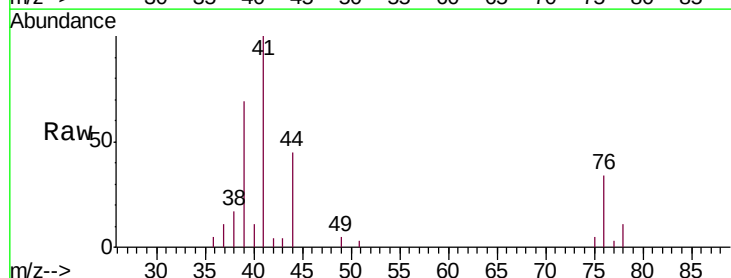
Tgt Ion: 41 Resp: 8756

Ion Ratio Lower Upper

41 100

39 70.8 58.2 87.2

76 34.2 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VV009221.D

Ion 39.00 (38.70 to 39.70): VV009221.D

Ion 75.90 (75.60 to 76.60): VV009221.D

2.42

6000

4000

2000

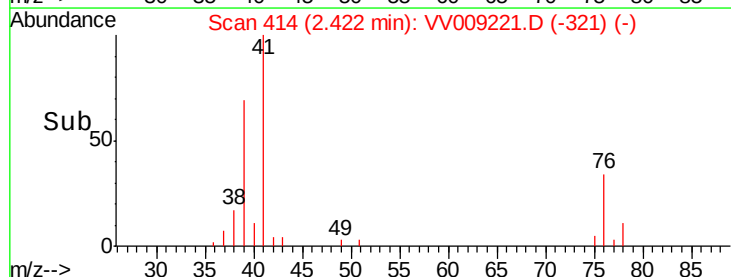
0

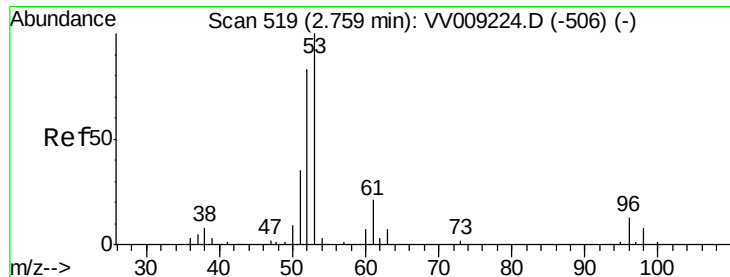
2.35

2.40

2.45

Time-->





#15

Acrylonitrile

Concen: 26.715 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

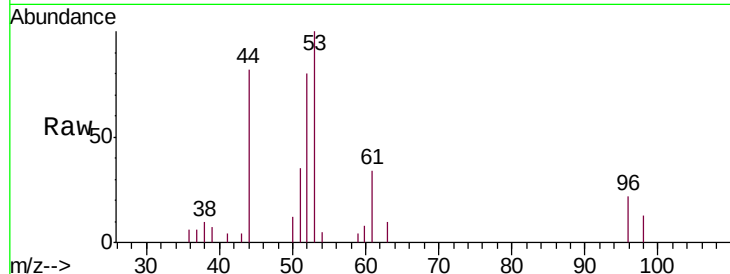
Tgt Ion: 53 Resp: 5361

Ion Ratio Lower Upper

53 100

52 79.8 65.8 98.6

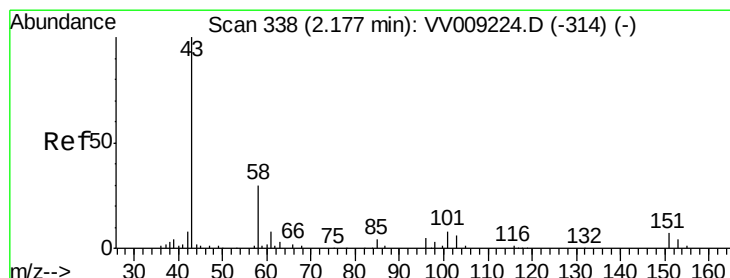
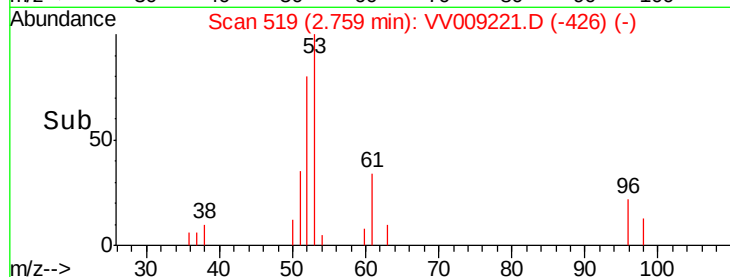
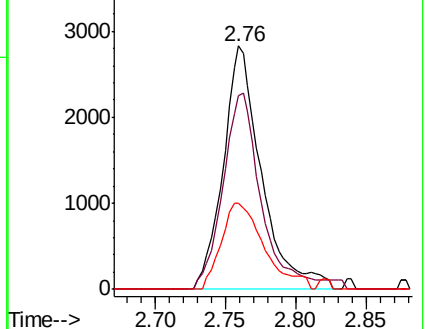
51 39.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VV009221.D (-426) (-)

Ion 52.00 (51.70 to 52.70): VV009221.D (-426) (-)

Ion 51.00 (50.70 to 51.70): VV009221.D (-426) (-)



#16

Acetone

Concen: 35.376 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV009221.D

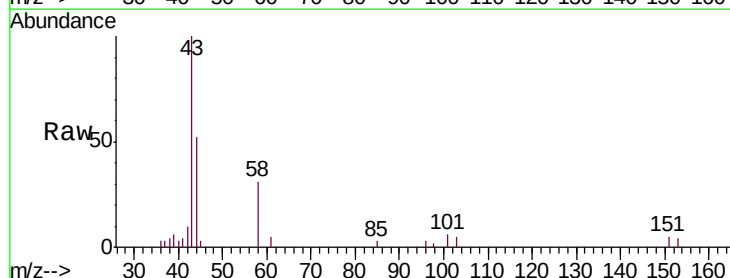
Acq: 18 Jan 2019 15:33

Tgt Ion: 43 Resp: 8913

Ion Ratio Lower Upper

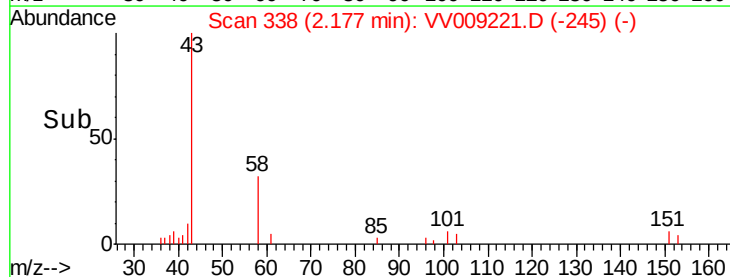
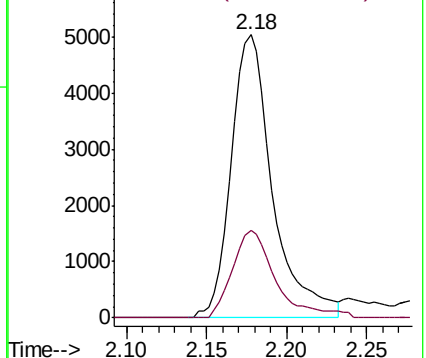
43 100

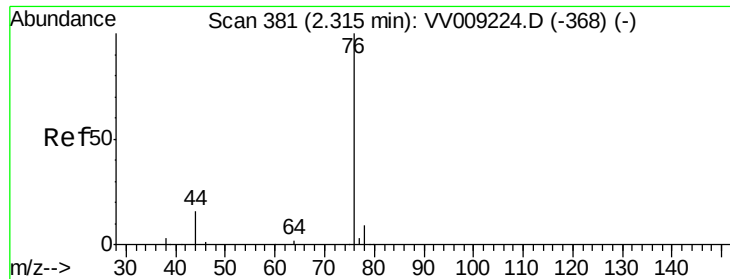
58 31.0 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV009221.D (-245) (-)

Ion 58.00 (57.70 to 58.70): VV009221.D (-245) (-)





#17

Carbon Disulfide

Concen: 5.501 ug/l

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

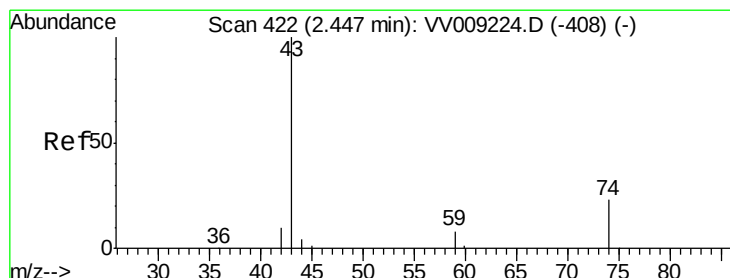
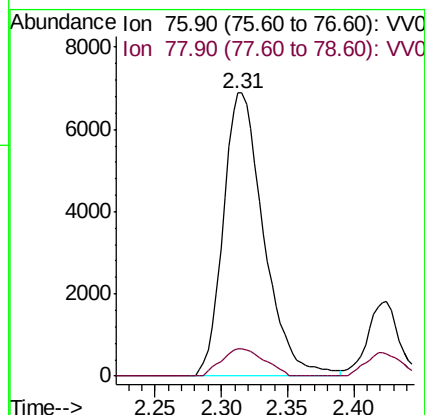
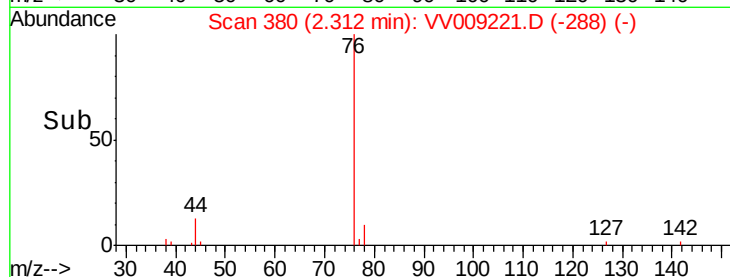
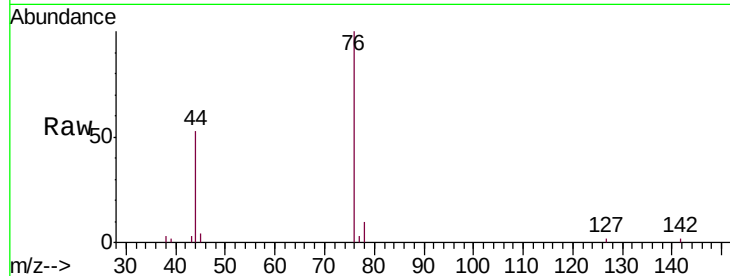
VSTDIC005

Tgt Ion: 76 Resp: 14596

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



#18

Methyl Acetate

Concen: 6.410 ug/l

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV009221.D

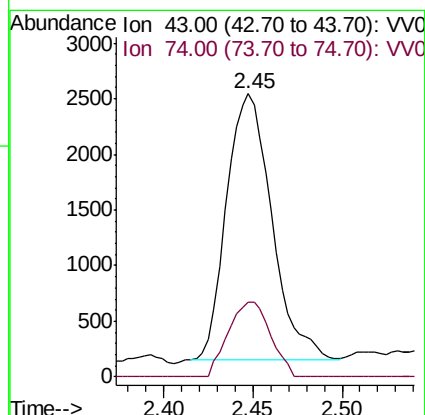
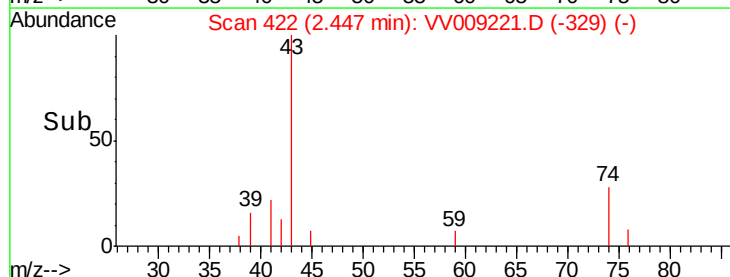
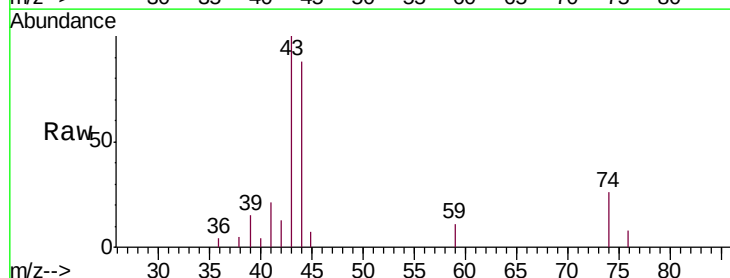
Acq: 18 Jan 2019 15:33

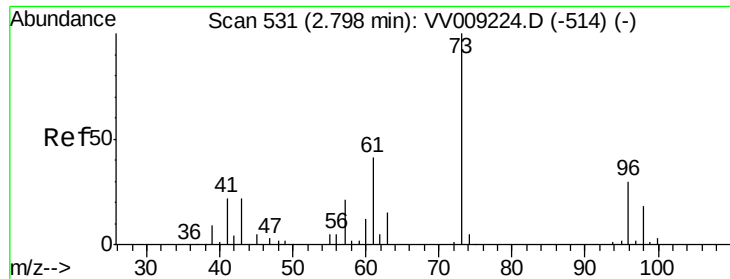
Tgt Ion: 43 Resp: 4242

Ion Ratio Lower Upper

43 100

74 26.0 19.4 29.2



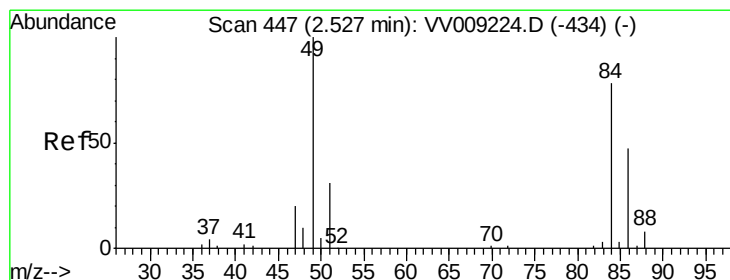
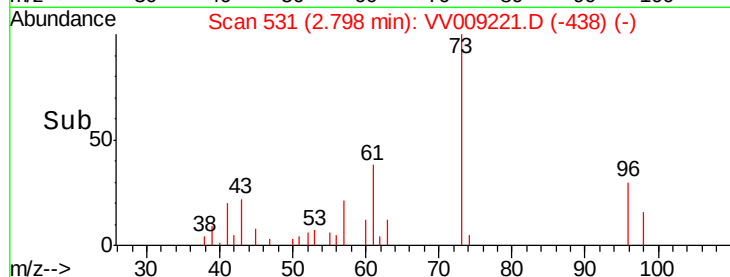
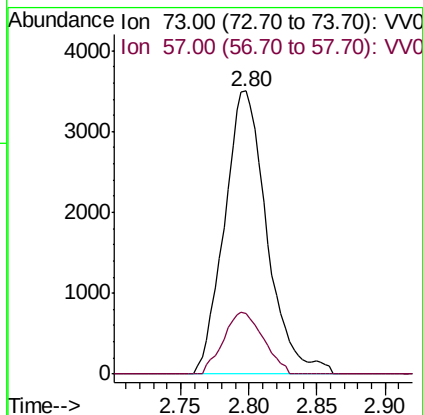
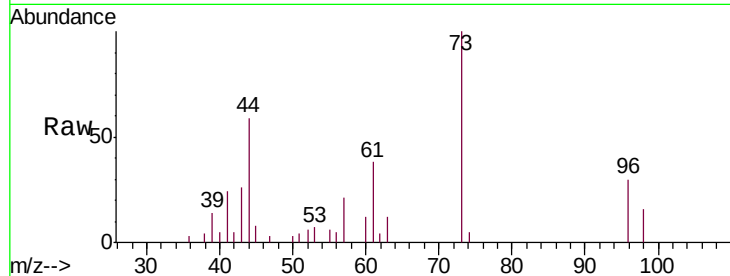


#19

Methyl tert-butyl Ether
Concen: 5.414 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

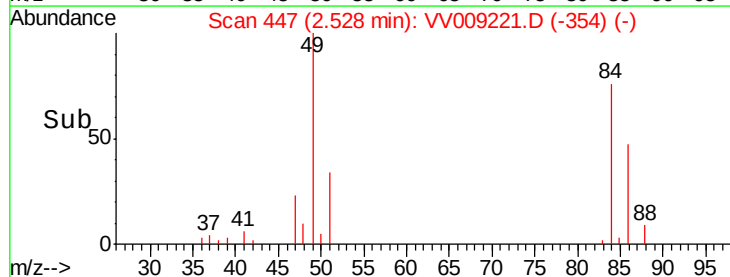
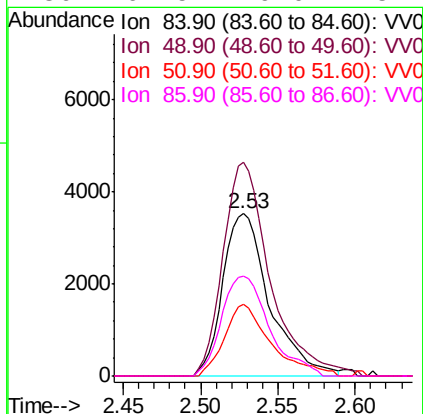
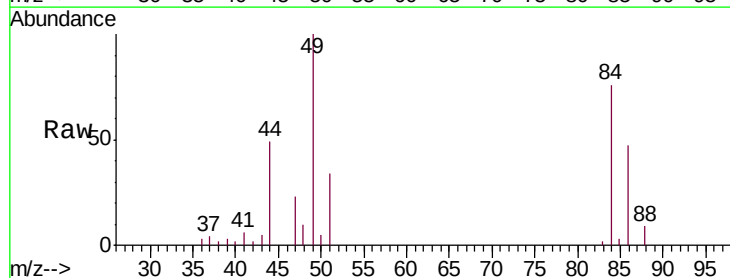
Tgt Ion: 73 Resp: 7583
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

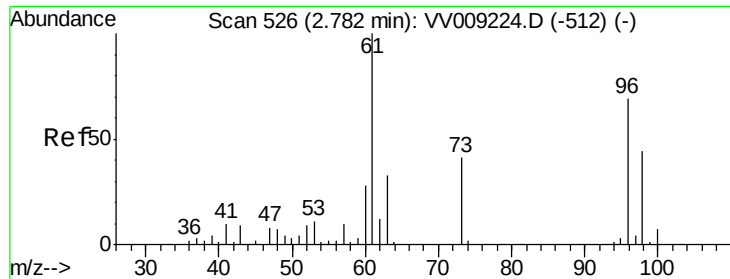


#20

Methylene Chloride
Concen: 7.570 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 84 Resp: 7399
Ion Ratio Lower Upper
84 100
49 131.5 103.1 154.7
51 44.2 31.7 47.5
86 61.5 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 5.774 ug/l

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

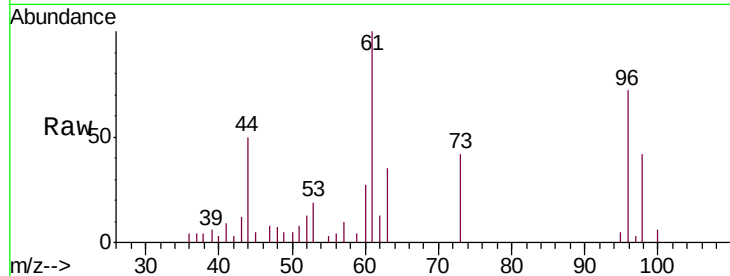
Tgt Ion: 96 Resp: 5459

Ion Ratio Lower Upper

96 100

61 139.0 116.2 174.2

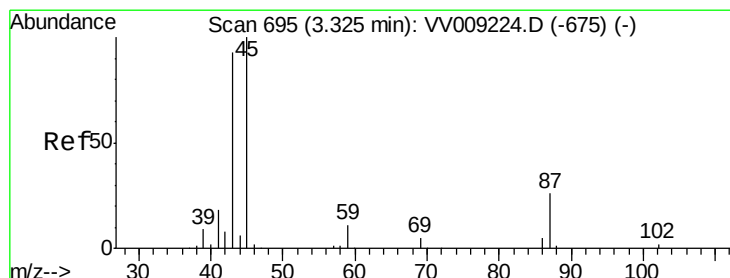
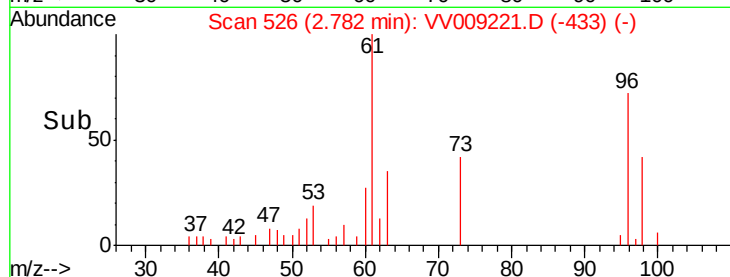
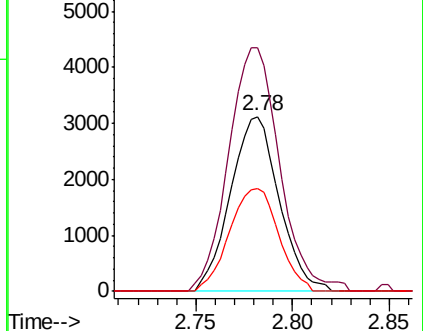
98 58.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VV009221.D (-433) (-)

Ion 60.90 (60.60 to 61.60): VV009221.D (-433) (-)

Ion 97.90 (97.60 to 98.60): VV009221.D (-433) (-)



#22

Diisopropyl ether

Concen: 5.218 ug/l

RT: 3.33 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Tgt Ion: 45 Resp: 18363

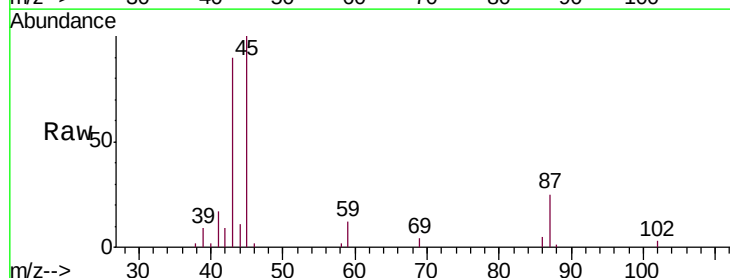
Ion Ratio Lower Upper

45 100

43 85.2 75.4 113.2

87 24.7 20.6 31.0

59 12.2 9.2 13.8

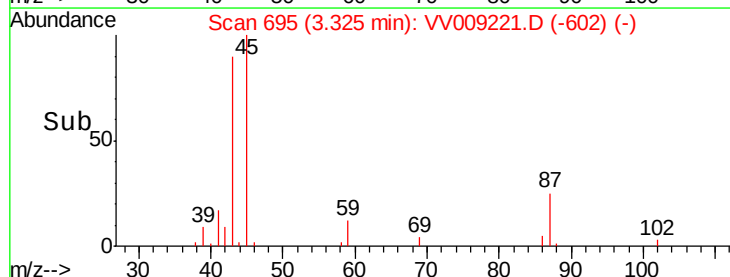
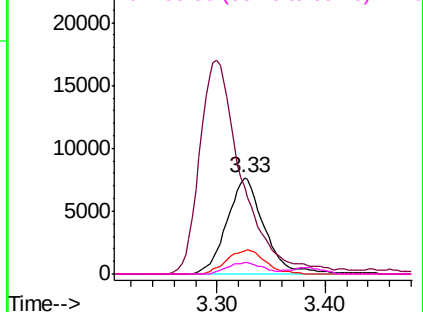


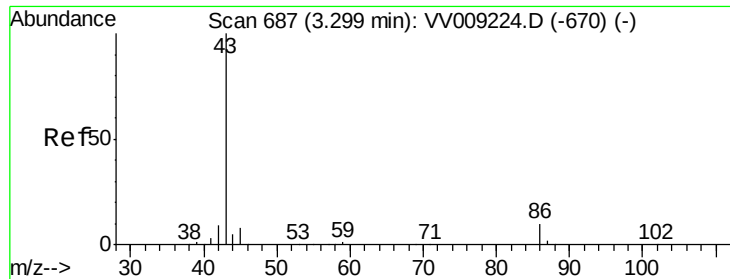
Abundance Ion 45.00 (44.70 to 45.70): VV009221.D (-602) (-)

Ion 43.00 (42.70 to 43.70): VV009221.D (-602) (-)

Ion 87.00 (86.70 to 87.70): VV009221.D (-602) (-)

Ion 59.00 (58.70 to 59.70): VV009221.D (-602) (-)





#23

Vinyl Acetate

Concen: 24.070 ug/l

RT: 3.30 min Scan# 687

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

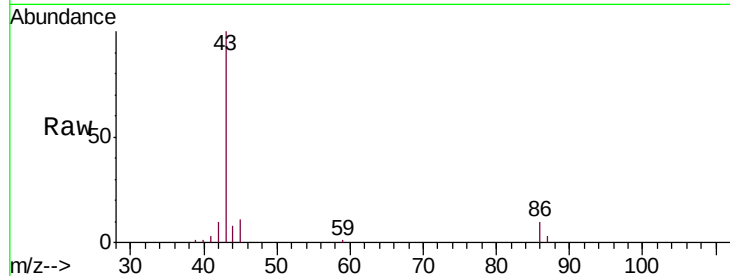
VSTDIC005

Tgt Ion: 43 Resp: 46082

Ion Ratio Lower Upper

43 100

86 9.6 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VV009221.D (-594) (-)

Ion 86.00 (85.70 to 86.70): VV009221.D (-594) (-)

20000

15000

10000

5000

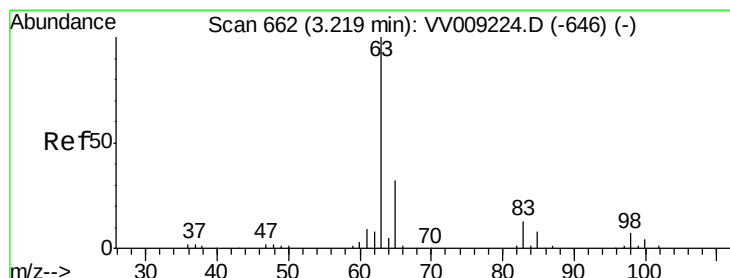
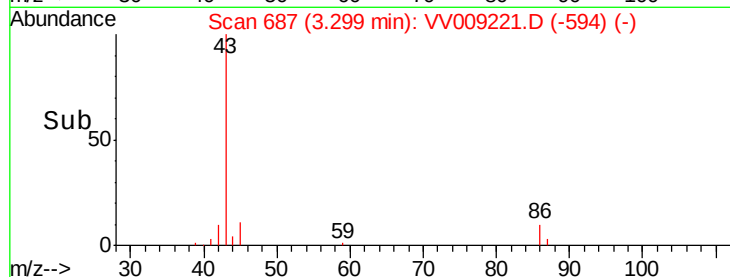
0

Time-->

3.20

3.30

3.40



#24

1,1-Dichloroethane

Concen: 5.638 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

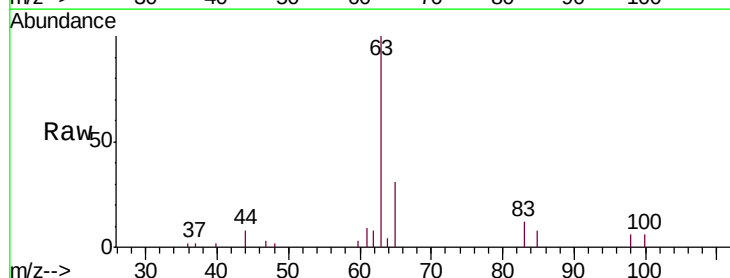
Tgt Ion: 63 Resp: 11678

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

100 5.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VV009221.D (-569) (-)

Ion 97.90 (97.60 to 98.60): VV009221.D (-569) (-)

Ion 99.90 (99.60 to 100.60): VV009221.D (-569) (-)

6000

4000

2000

0

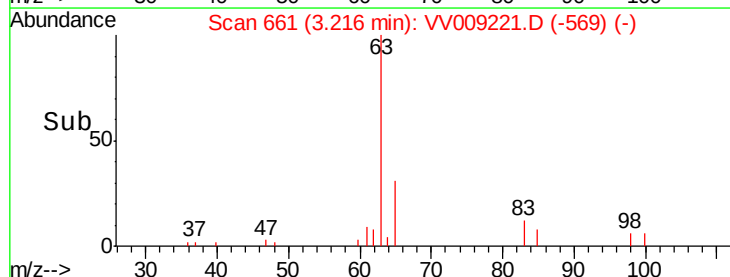
Time-->

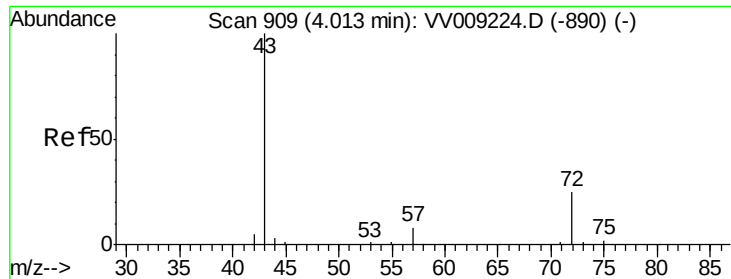
3.15

3.20

3.25

3.30





#25

2-Butanone

Concen: 25.381 ug/l

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

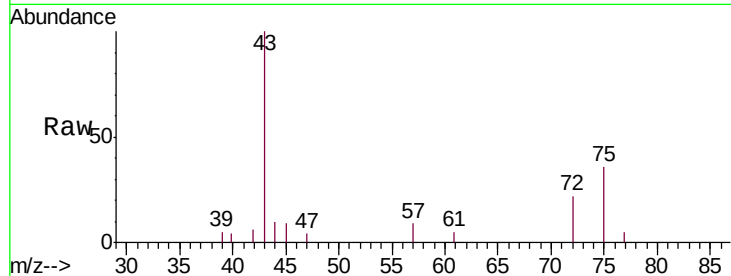
VSTDIC005

Tgt Ion: 43.00 Resp: 8023

Ion Ratio Lower Upper

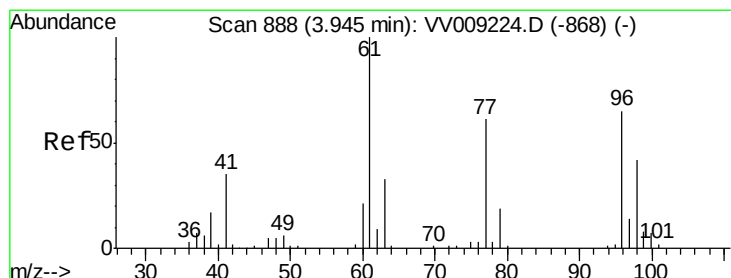
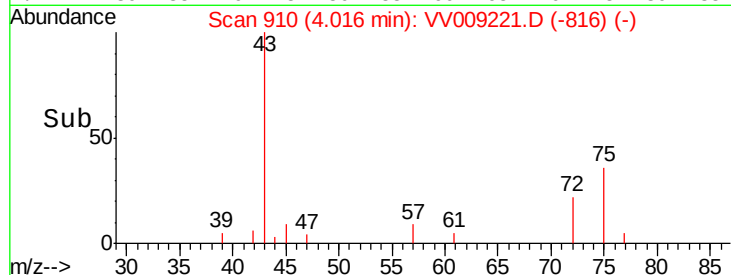
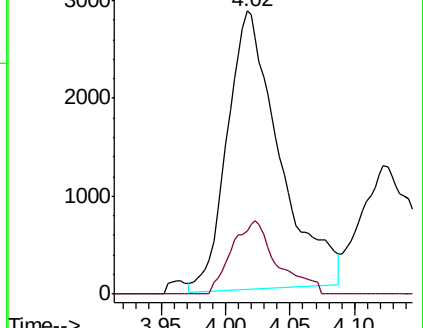
43 100

72 23.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV009221.D (-816) (-)

Ion 72.00 (71.70 to 72.70): VV009221.D (-816) (-)



#26

2,2-Dichloropropane

Concen: 4.524 ug/l

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV009221.D

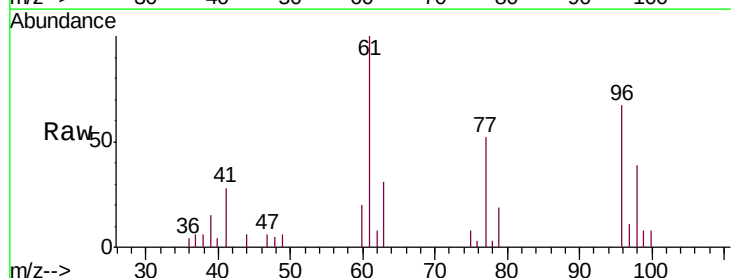
Acq: 18 Jan 2019 15:33

Tgt Ion: 77 Resp: 5228

Ion Ratio Lower Upper

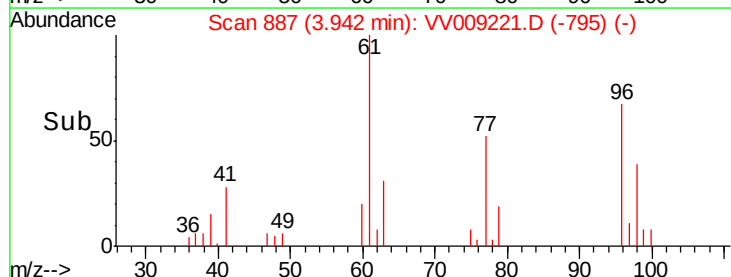
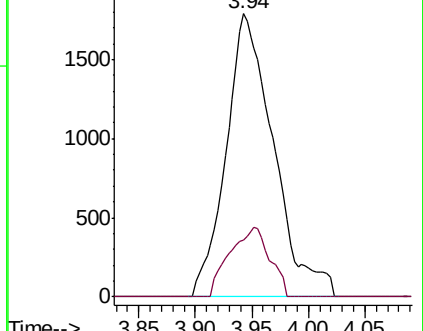
77 100

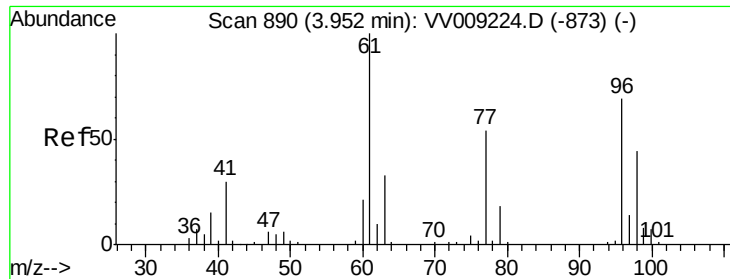
97 20.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VV009221.D (-795) (-)

Ion 96.90 (96.60 to 97.60): VV009221.D (-795) (-)



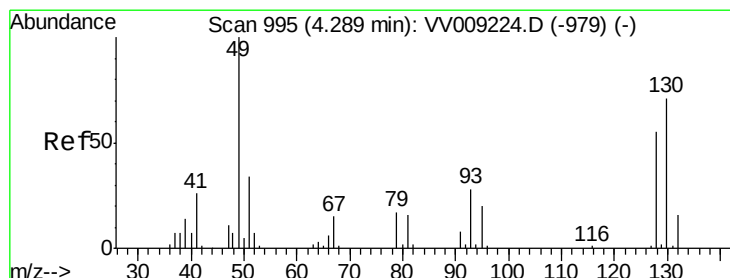
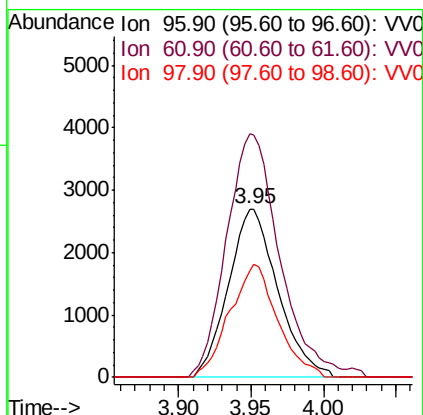
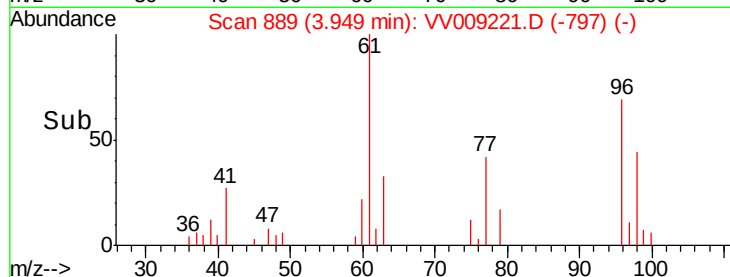
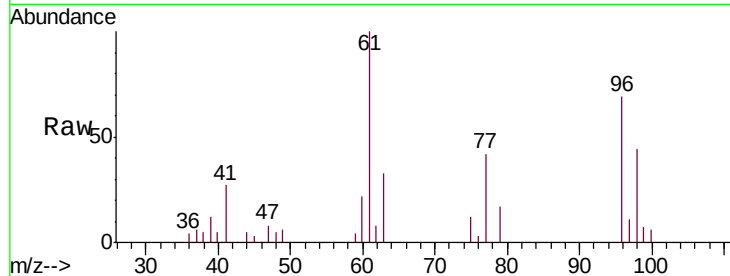


#27

cis-1,2-Dichloroethene
Concen: 5.284 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

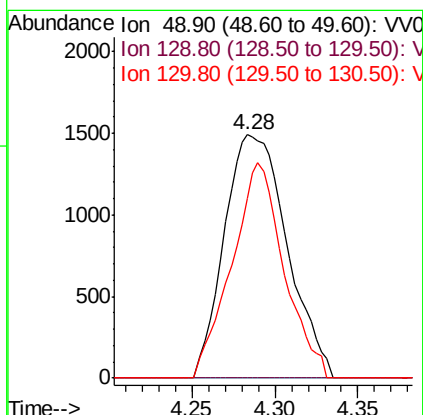
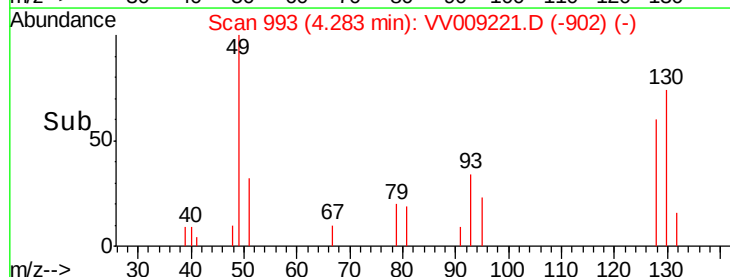
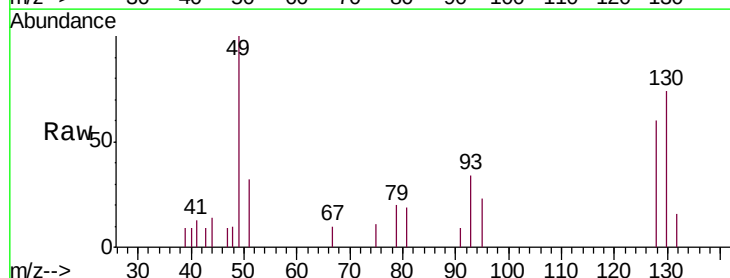
Tgt Ion: 96 Resp: 6398
Ion Ratio Lower Upper
96 100
61 154.6 0.0 300.4
98 64.8 0.0 129.2

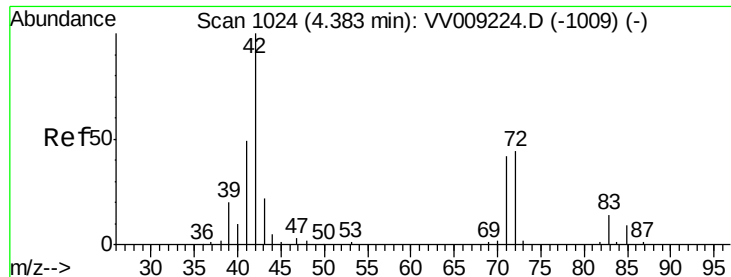


#28

Bromochloromethane
Concen: 4.513 ug/l
RT: 4.28 min Scan# 993
Delta R.T. -0.01 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 49 Resp: 3926
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 73.6 57.8 86.6





#29

Tetrahydrofuran

Concen: 24.250 ug/l

RT: 4.39 min Scan# 1025

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

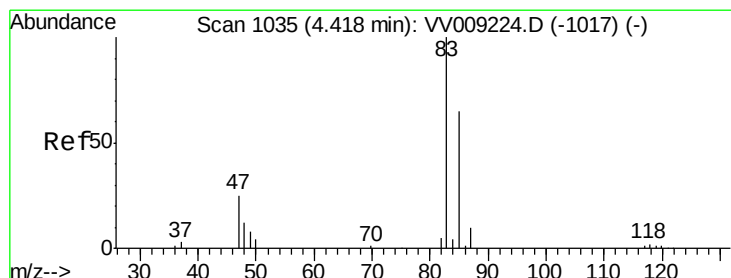
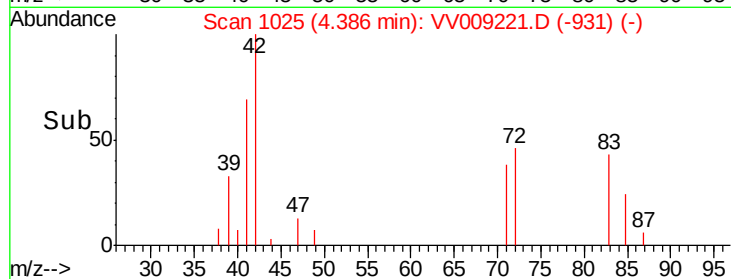
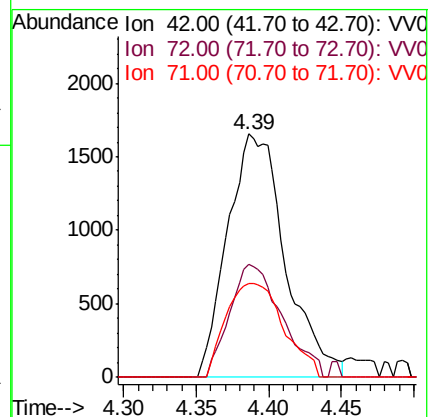
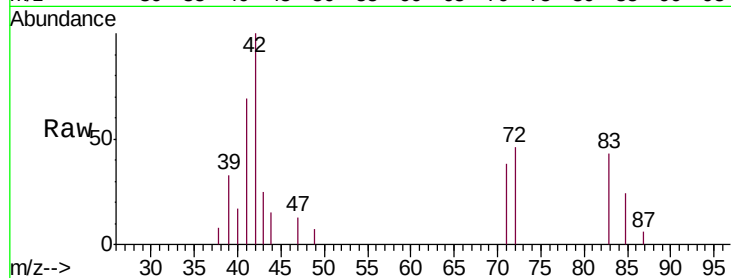
Tgt Ion: 42 Resp: 4590

Ion Ratio Lower Upper

42 100

72 41.7 35.9 53.9

71 38.4 33.6 50.4



#30

Chloroform

Concen: 5.600 ug/l

RT: 4.42 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VV009221.D

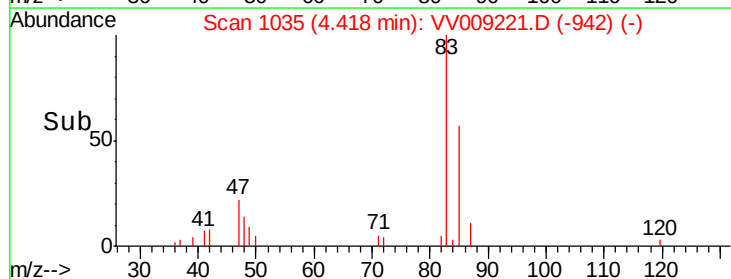
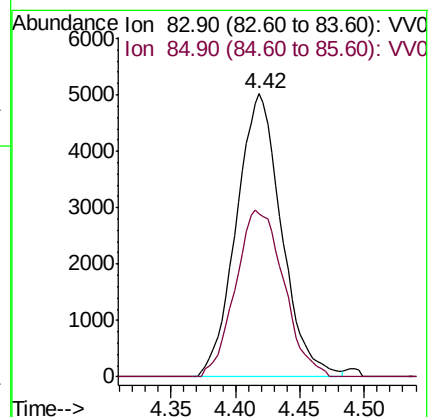
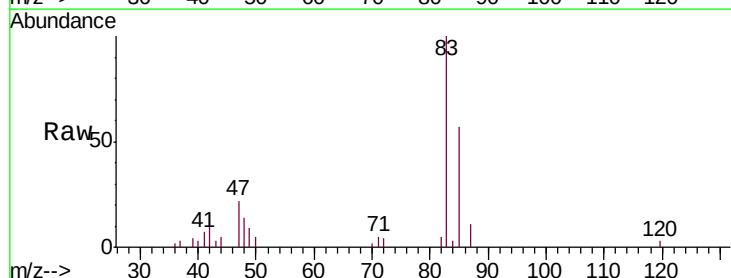
Acq: 18 Jan 2019 15:33

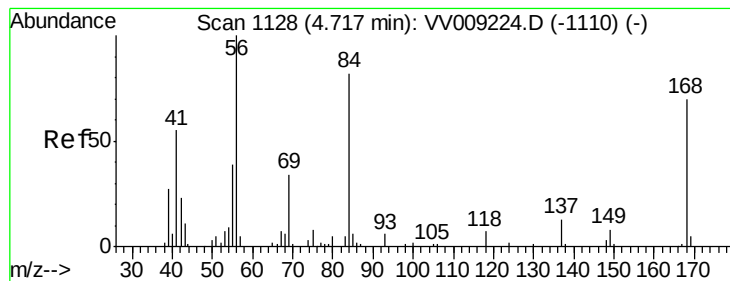
Tgt Ion: 83 Resp: 12223

Ion Ratio Lower Upper

83 100

85 57.4 51.8 77.6





#31

Cyclohexane

Concen: 7.003 ug/l

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

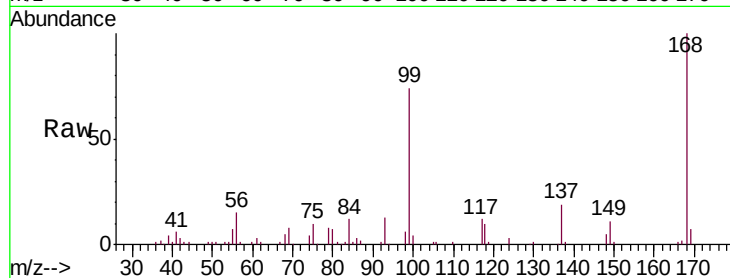
Tgt Ion: 56 Resp: 12379

Ion Ratio Lower Upper

56 100

69 57.0 27.0 40.4#

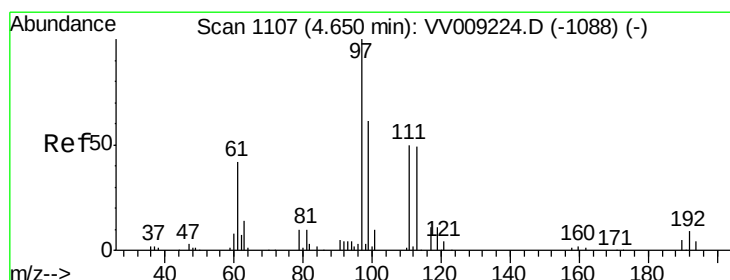
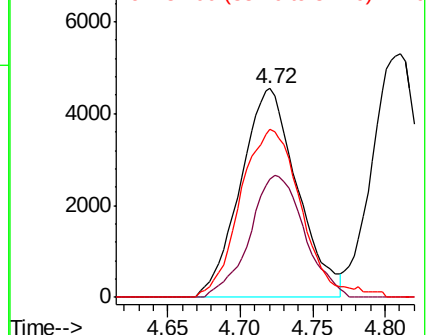
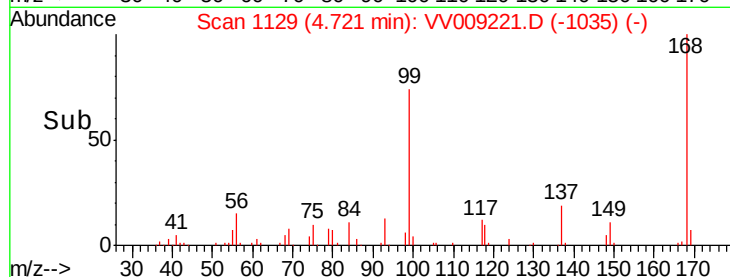
84 80.7 65.4 98.2



Abundance Ion 56.00 (55.70 to 56.70): VV009221.D (-1035) (-)

Ion 69.00 (68.70 to 69.70): VV009221.D (-1035) (-)

Ion 84.00 (83.70 to 84.70): VV009221.D (-1035) (-)



#32

1,1,1-Trichloroethane

Concen: 5.520 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

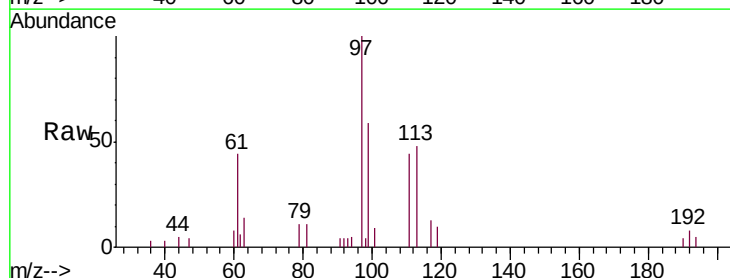
Tgt Ion: 97 Resp: 9768

Ion Ratio Lower Upper

97 100

99 62.3 48.9 73.3

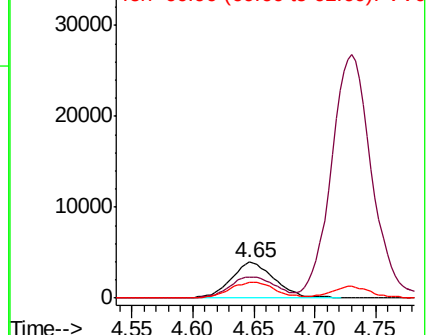
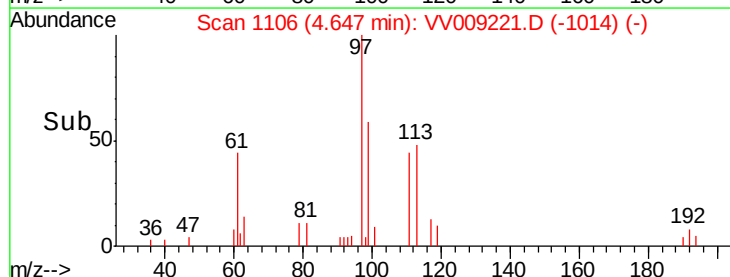
61 45.1 34.7 52.1

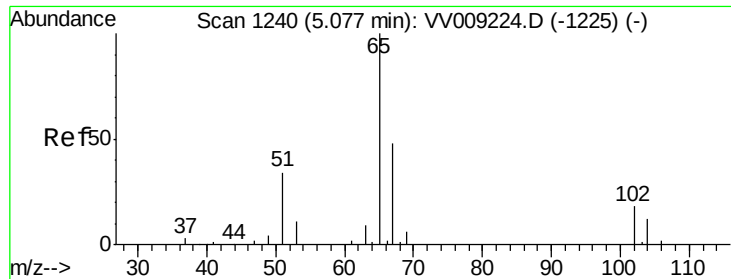


Abundance Ion 96.90 (96.60 to 97.60): VV009221.D (-1014) (-)

Ion 98.90 (98.60 to 99.60): VV009221.D (-1014) (-)

Ion 60.90 (60.60 to 61.60): VV009221.D (-1014) (-)

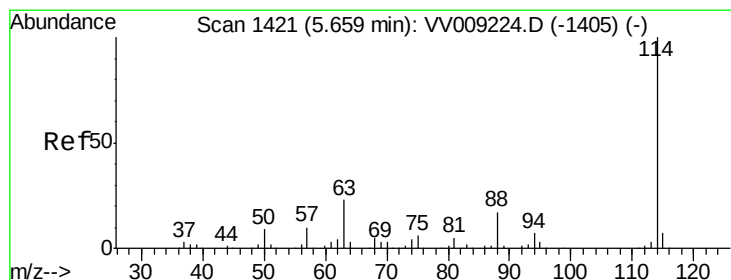
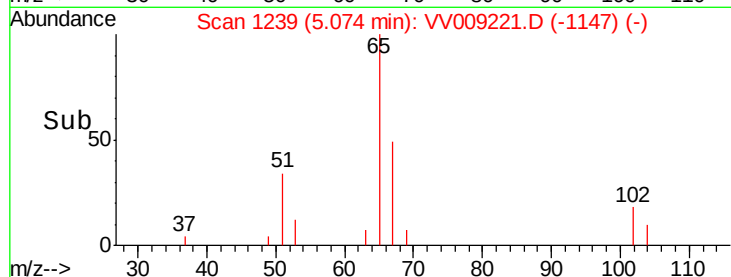
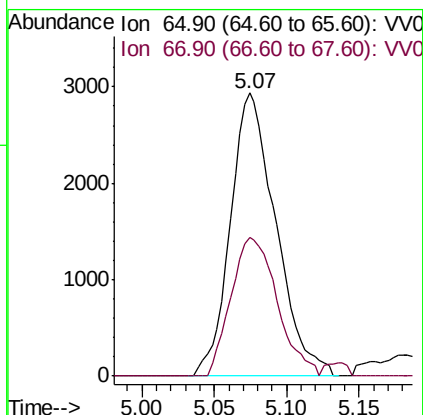
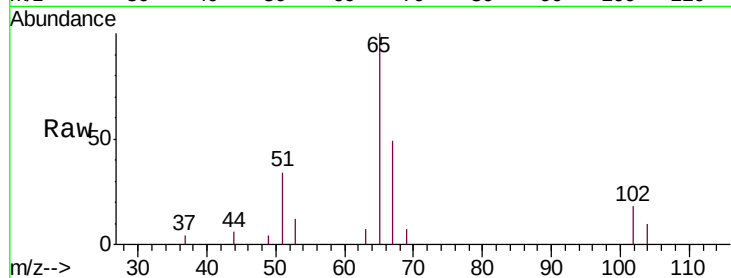




#33
 1,2-Dichloroethane-d4
 Concen: 5.231 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

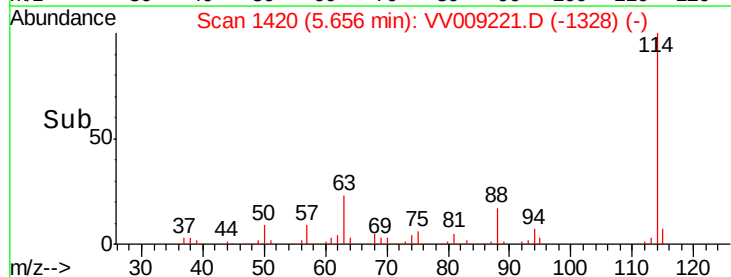
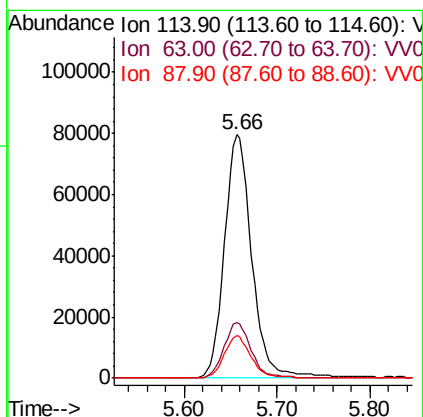
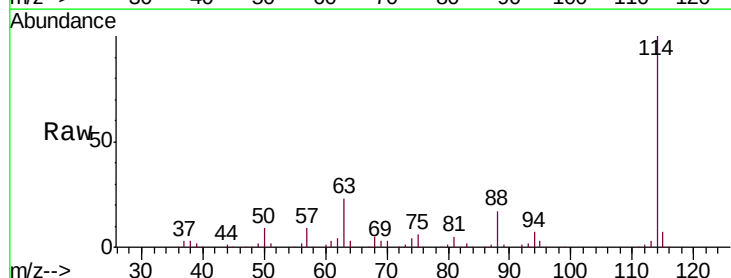
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

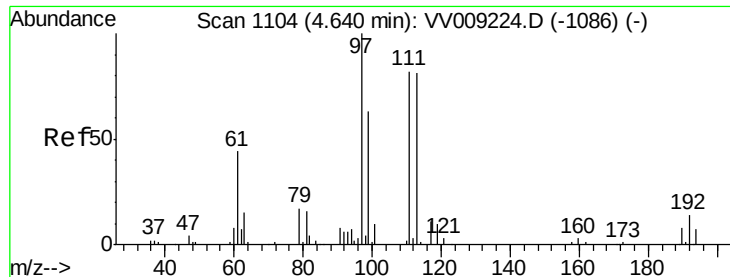
Tgt Ion: 65 Resp: 6402
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 114 Resp: 162920
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.2
 88 17.4 0.0 33.8

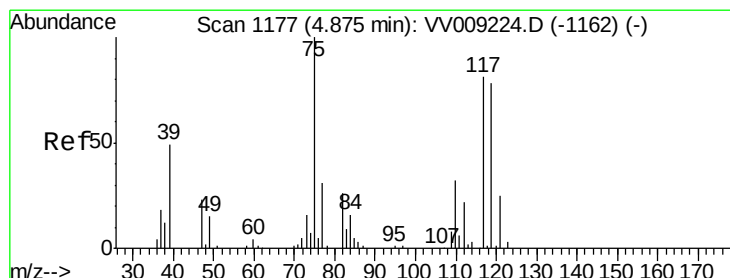
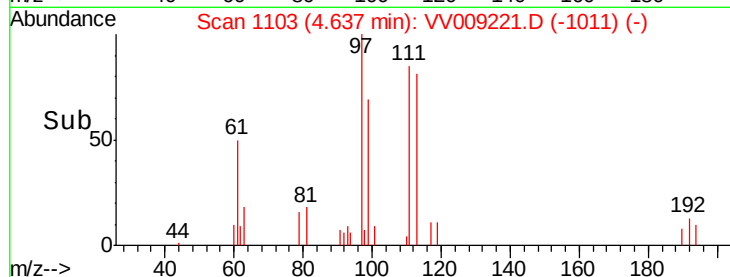
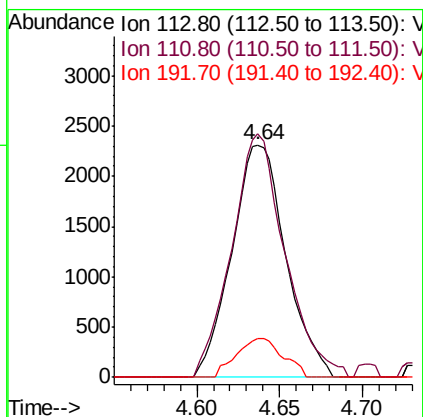
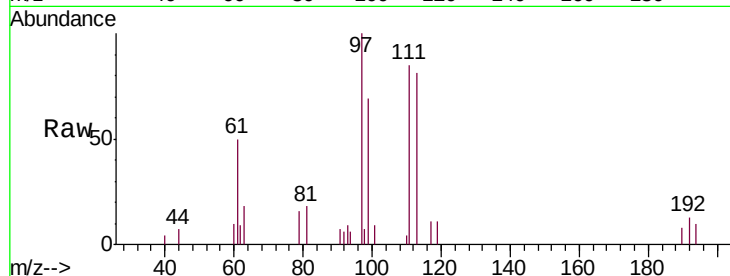




#35
 Dibromofluoromethane
 Concen: 4.909 ug/l
 RT: 4.64 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

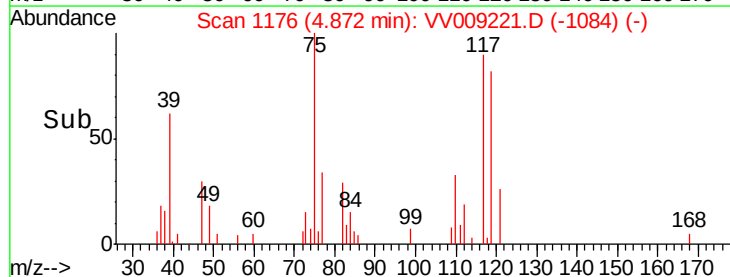
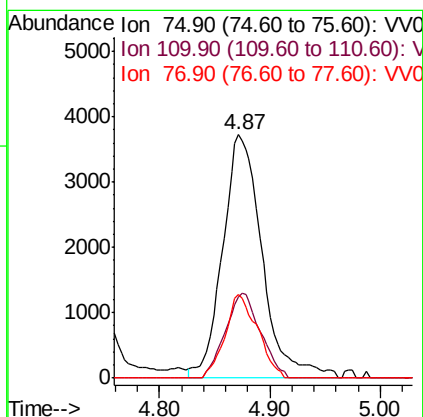
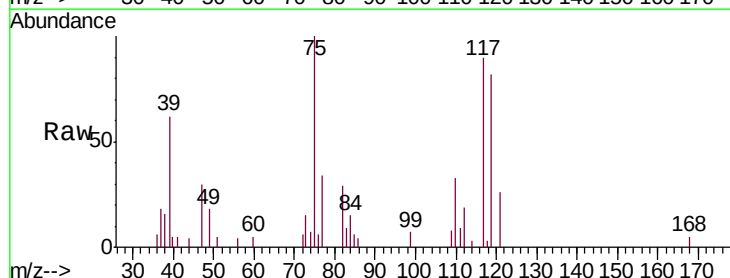
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

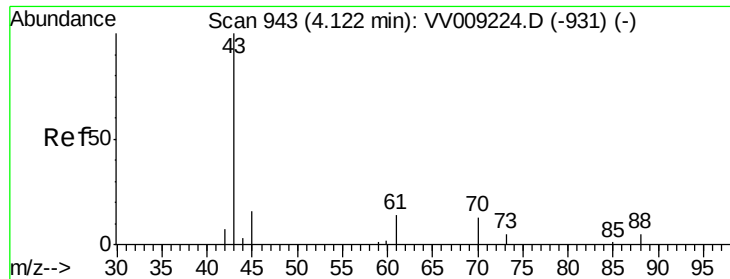
Tgt Ion: 113 Resp: 5250
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 14.2 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 5.814 ug/l
 RT: 4.87 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 75 Resp: 9248
 Ion Ratio Lower Upper
 75 100
 110 30.9 17.3 51.7
 77 28.2 24.4 36.6

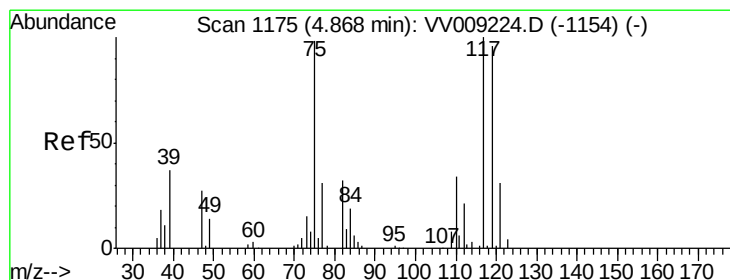
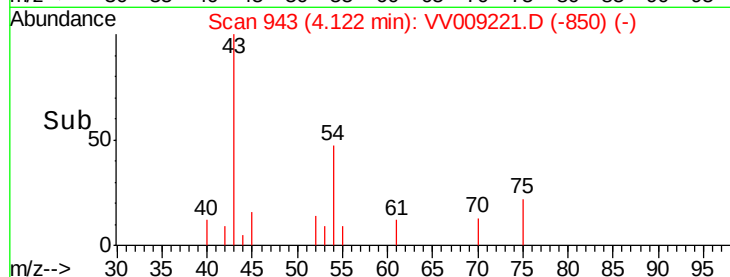
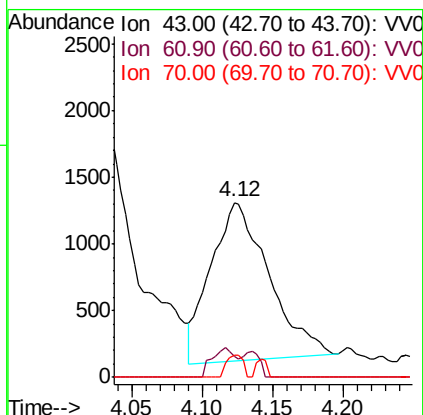
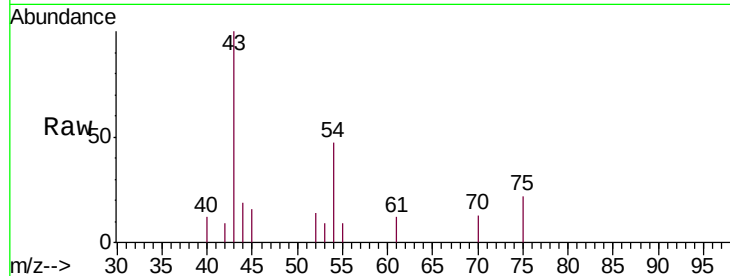




#37
Ethyl Acetate
Concen: 5.111 ug/l
RT: 4.12 min Scan# 943
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

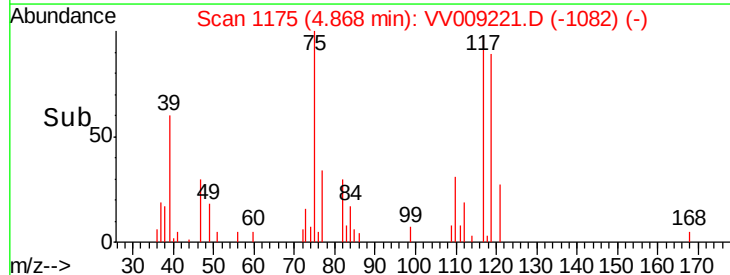
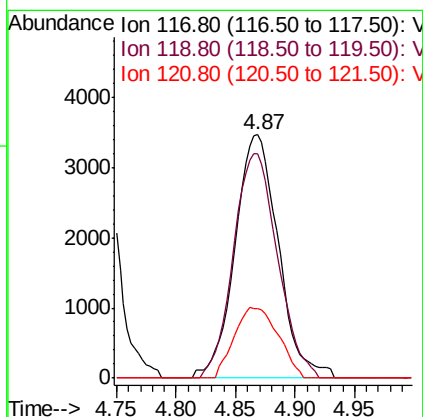
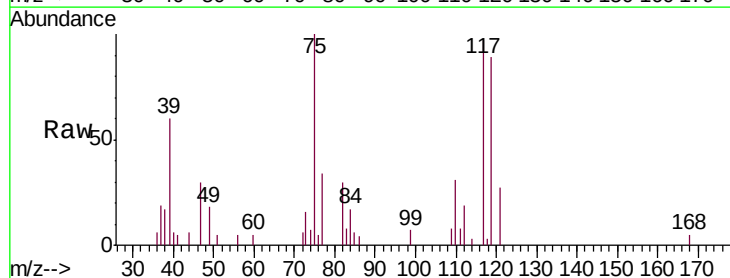
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

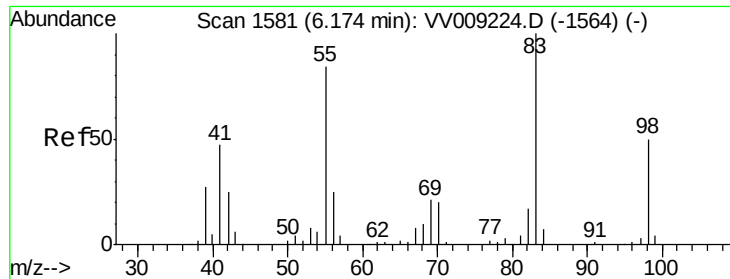
Tgt Ion: 43 Resp: 3437
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.6#
70 4.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 117 Resp: 8774
Ion Ratio Lower Upper
117 100
119 92.0 77.0 115.6
121 28.3 24.7 37.1

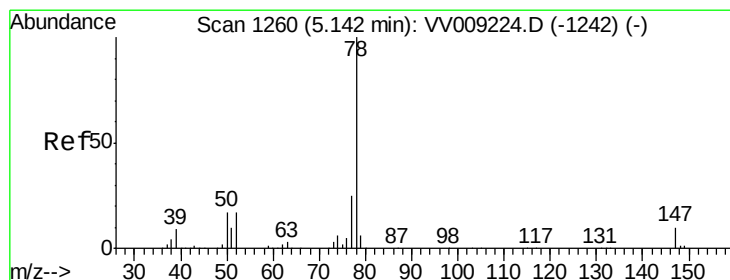
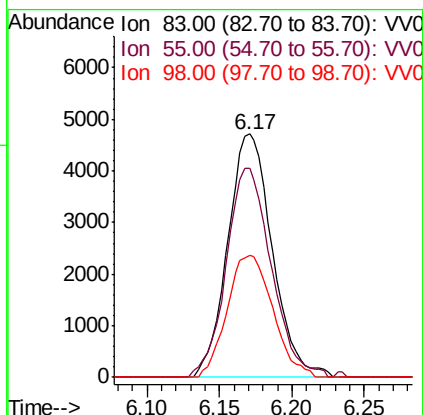
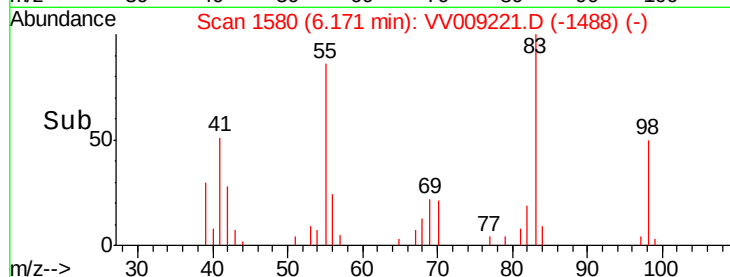
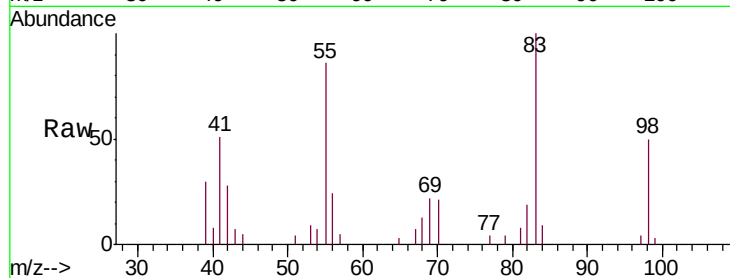




#39
Methylcyclohexane
Concen: 5.269 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

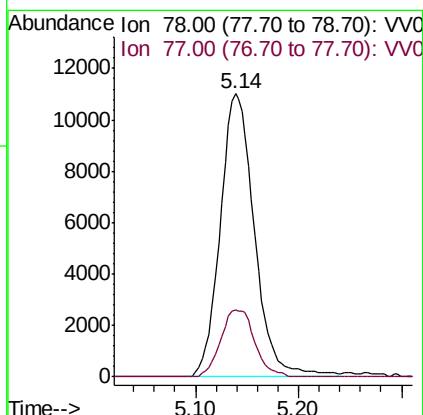
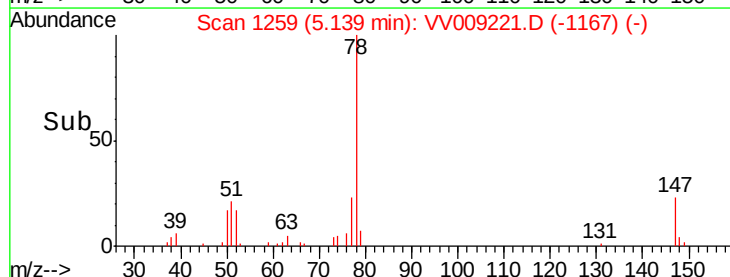
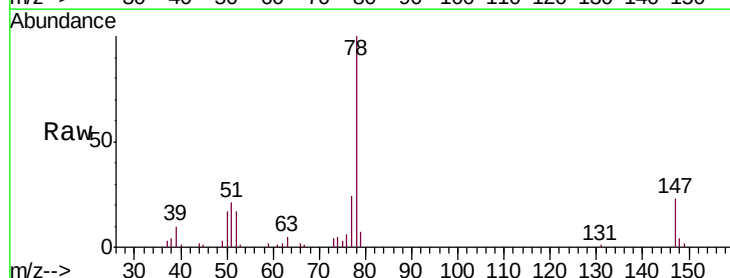
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

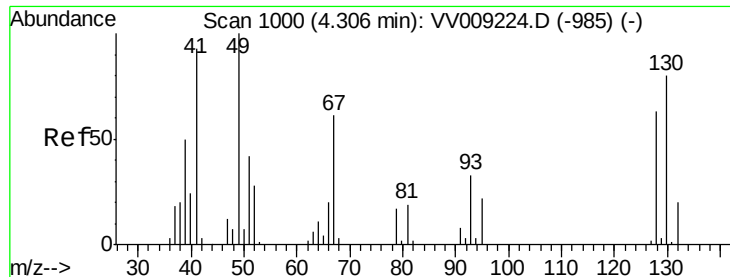
Tgt Ion: 83 Resp: 10072
Ion Ratio Lower Upper
83 100
55 85.9 67.0 100.6
98 50.2 40.2 60.2



#40
Benzene
Concen: 5.502 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 78 Resp: 25457
Ion Ratio Lower Upper
78 100
77 23.7 19.8 29.6

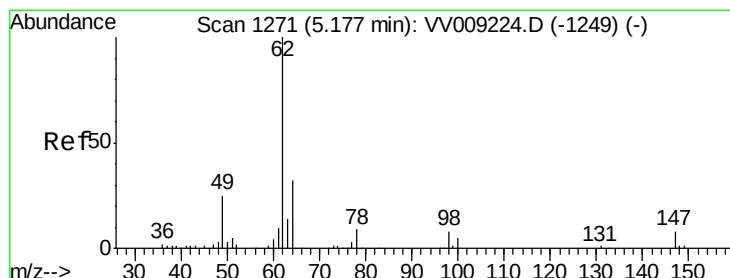
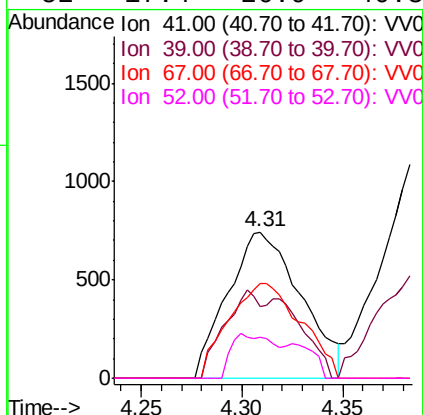
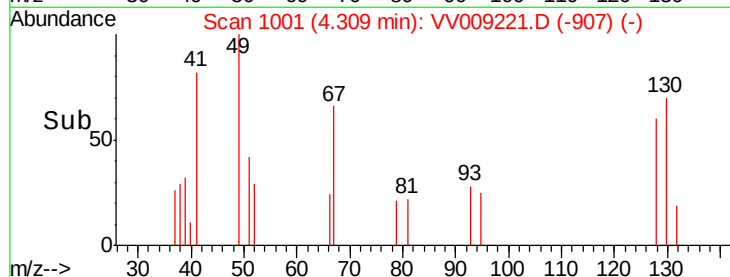
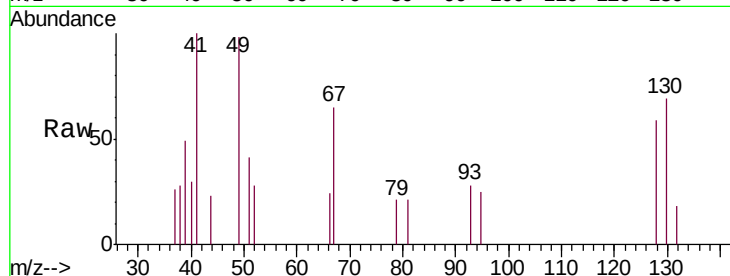




#41
Methacrylonitrile
Concen: 4.749 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

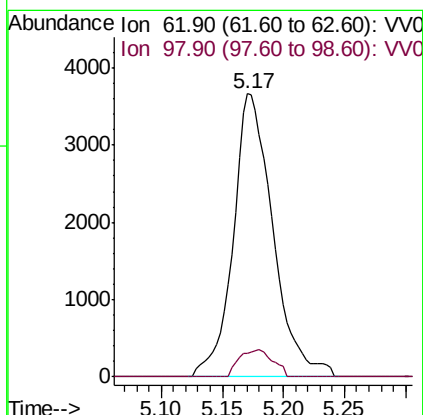
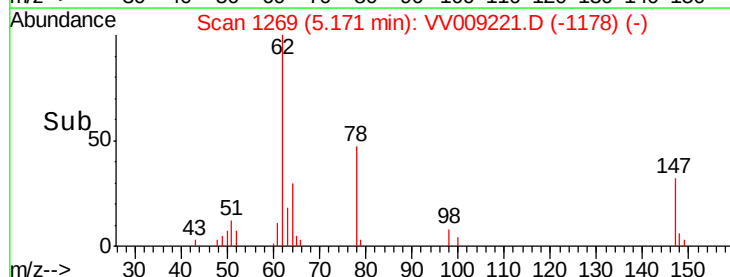
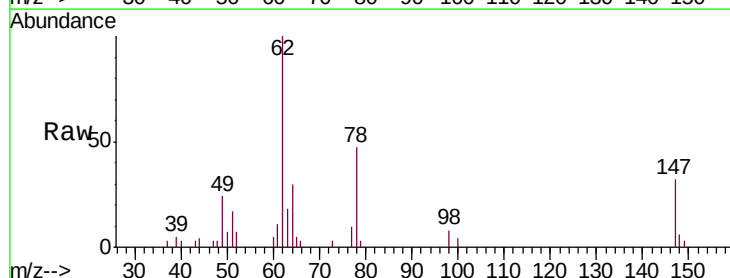
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

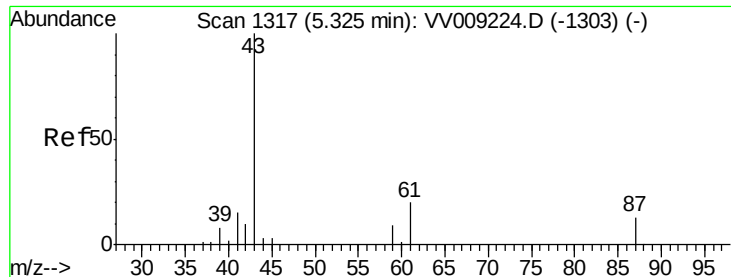
Tgt Ion: 41 Resp: 1872
Ion Ratio Lower Upper
41 100
39 29.2 44.8 67.2#
67 63.7 57.5 86.3
52 17.4 26.9 40.3#



#42
1,2-Dichloroethane
Concen: 5.324 ug/l
RT: 5.17 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 62 Resp: 8259
Ion Ratio Lower Upper
62 100
98 8.0 0.0 16.4





#43

Isopropyl Acetate

Concen: 4.812 ug/l

RT: 5.33 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

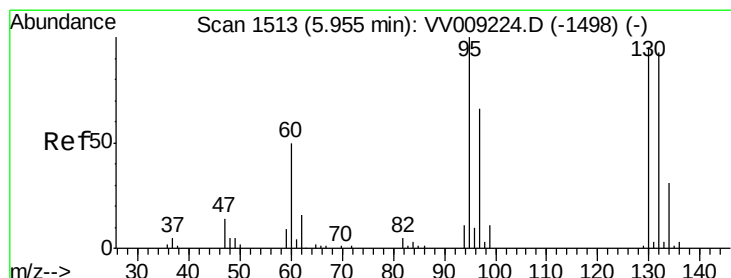
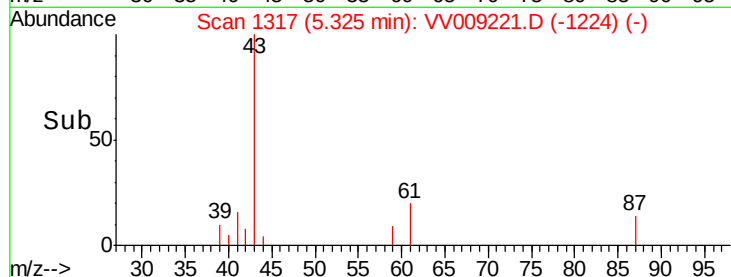
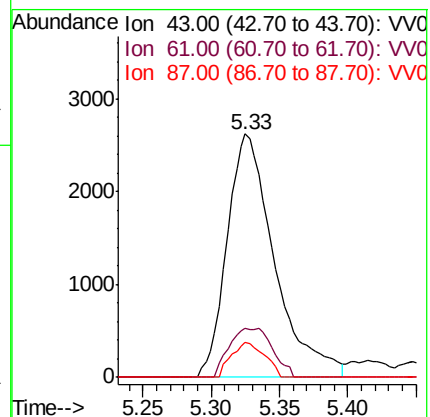
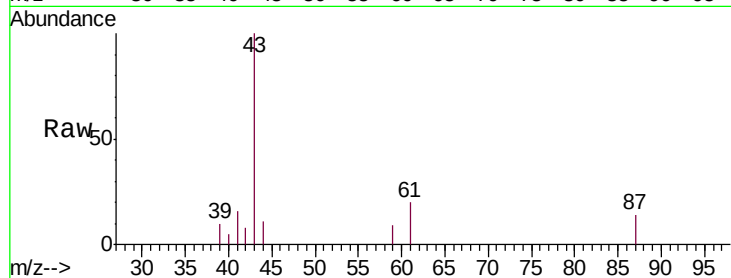
Tgt Ion: 43 Resp: 6335

Ion Ratio Lower Upper

43 100

61 18.2 15.1 22.7

87 10.0 10.0 15.0



#44

Trichloroethene

Concen: 5.511 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009221.D

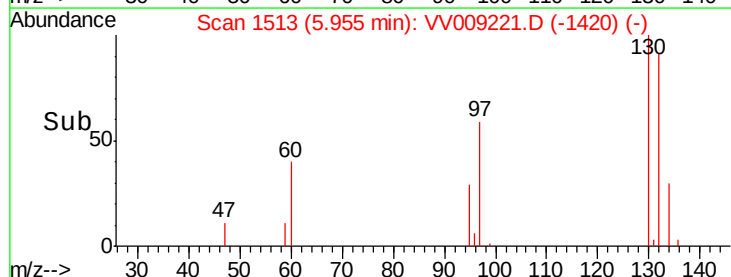
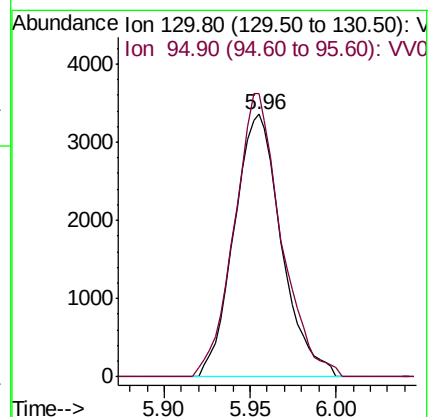
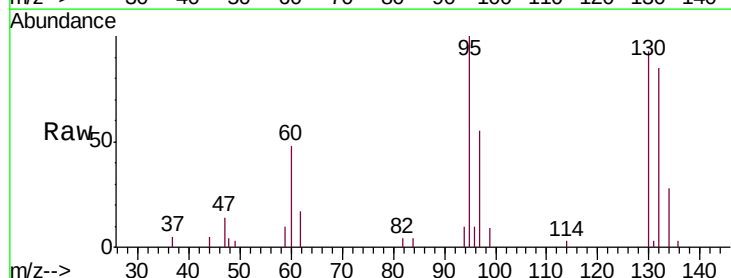
Acq: 18 Jan 2019 15:33

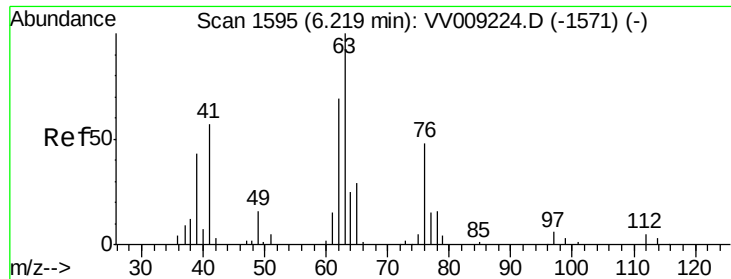
Tgt Ion: 130 Resp: 6412

Ion Ratio Lower Upper

130 100

95 107.8 0.0 209.4

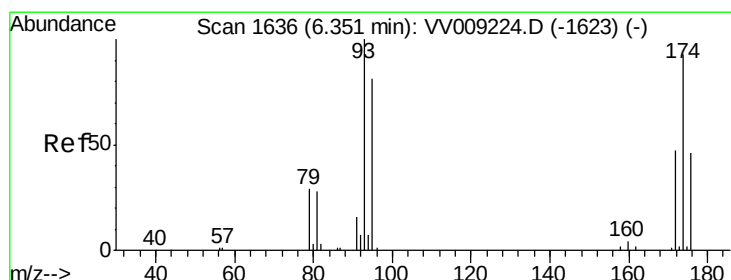
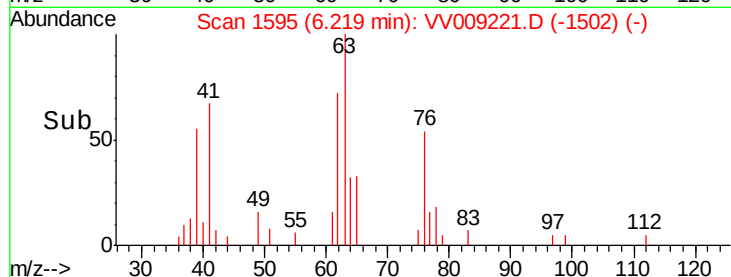
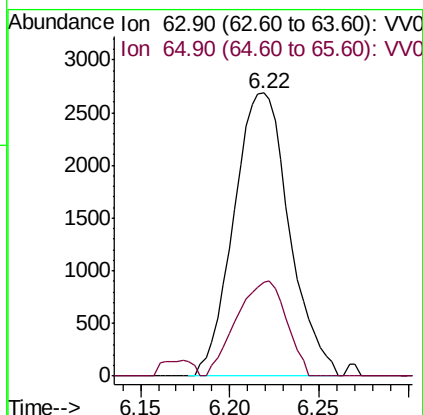
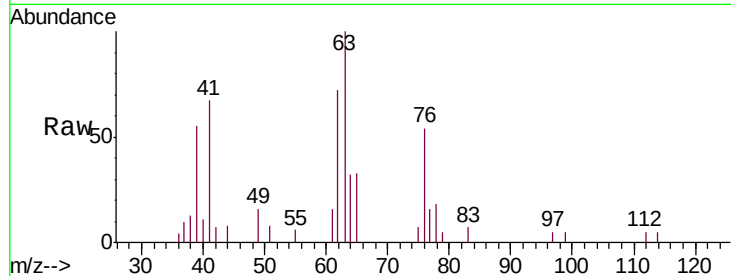




#45
 1,2-Dichloropropane
 Concen: 5.048 ug/l
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

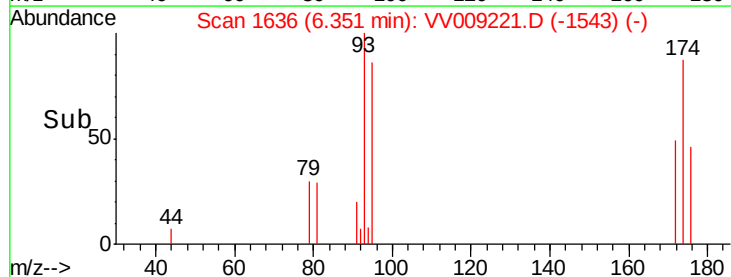
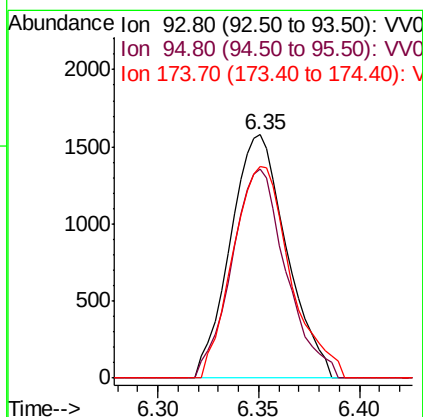
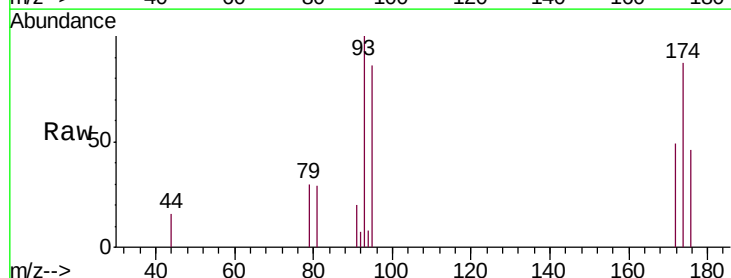
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

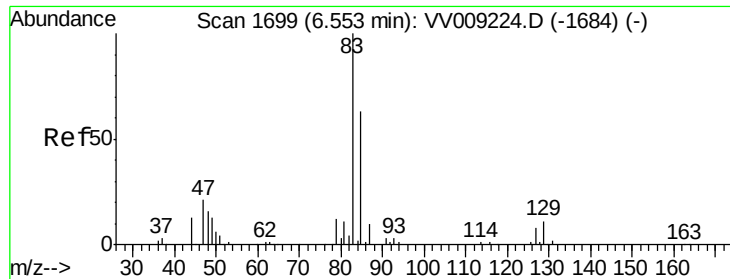
Tgt Ion: 63 Resp: 5831
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.9 35.9



#46
 Dibromomethane
 Concen: 5.039 ug/l
 RT: 6.35 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 93 Resp: 3074
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.4
 174 88.8 73.0 109.6





#47

Bromodichloromethane

Concen: 5.016 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

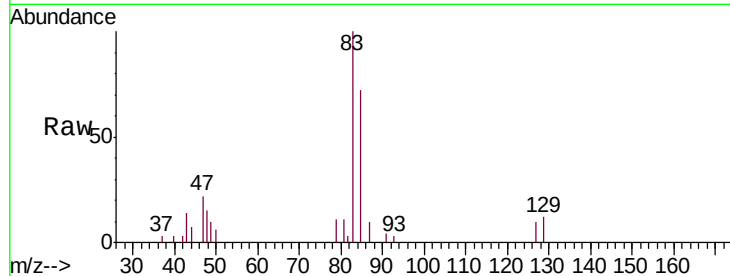
Tgt Ion: 83 Resp: 8122

Ion Ratio Lower Upper

83 100

85 72.3 50.6 75.8

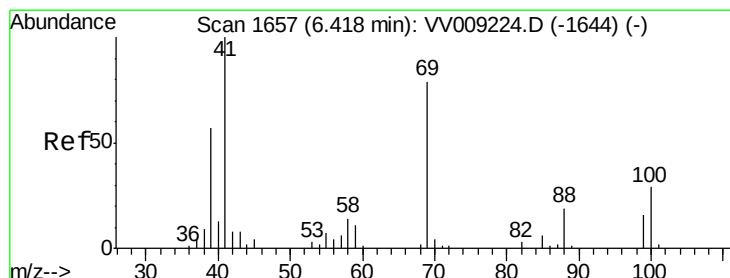
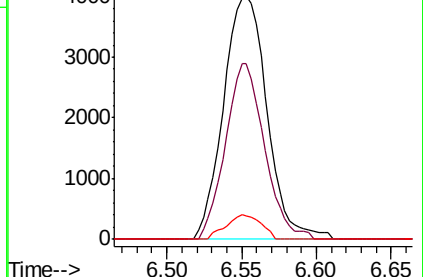
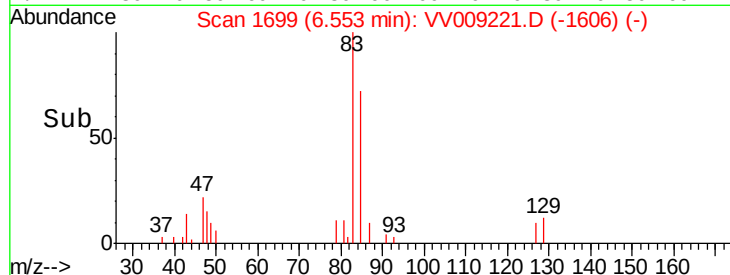
127 9.9 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VV009221.D (-1606) (-)

Ion 84.90 (84.60 to 85.60): VV009221.D (-1606) (-)

Ion 126.80 (126.50 to 127.50): VV009221.D (-1606) (-)



#48

Methyl methacrylate

Concen: 5.052 ug/l

RT: 6.42 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

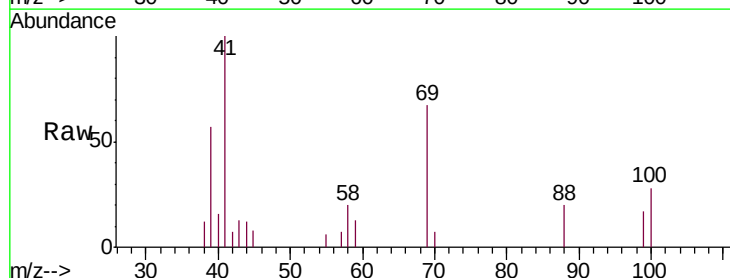
Tgt Ion: 41 Resp: 3490

Ion Ratio Lower Upper

41 100

69 67.8 62.2 93.4

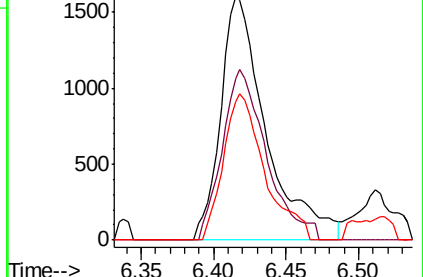
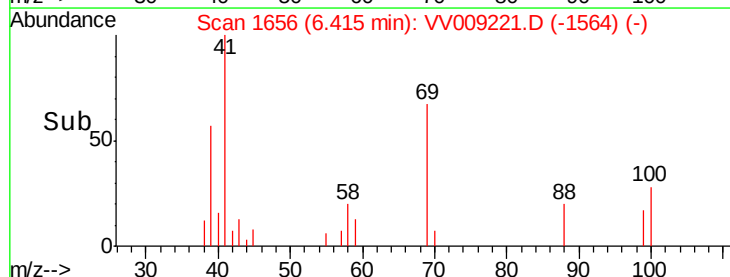
39 54.2 44.7 67.1

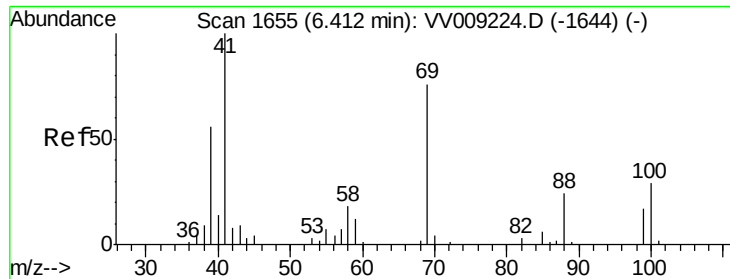


Abundance Ion 41.00 (40.70 to 41.70): VV009221.D (-1564) (-)

Ion 69.00 (68.70 to 69.70): VV009221.D (-1564) (-)

Ion 39.00 (38.70 to 39.70): VV009221.D (-1564) (-)

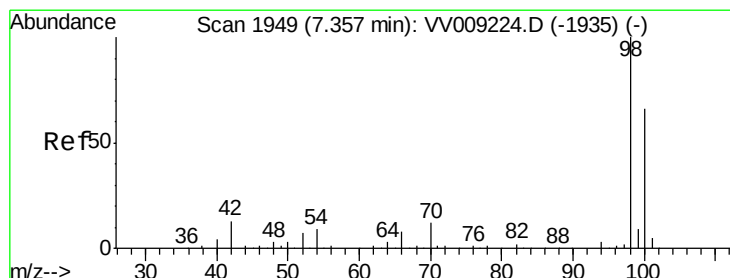
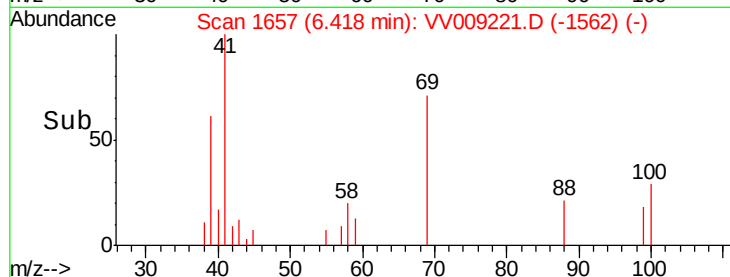
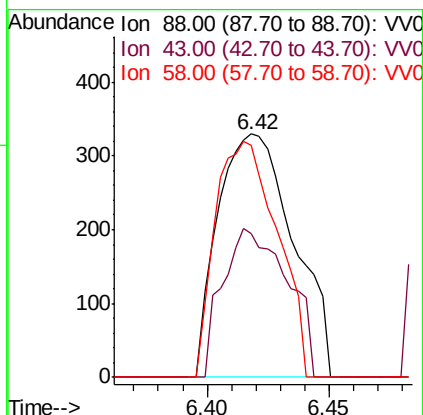
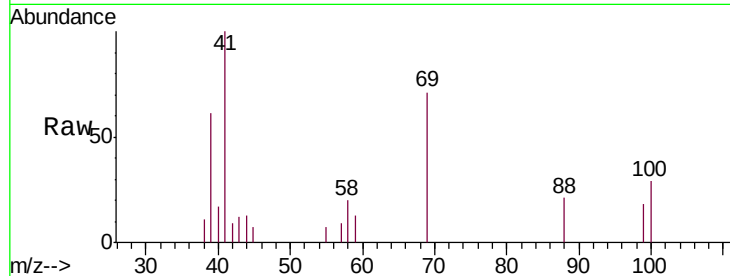




#49
1,4-Dioxane
Concen: 86.441 ug/l
RT: 6.42 min Scan# 1657
Delta R.T. 0.01 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

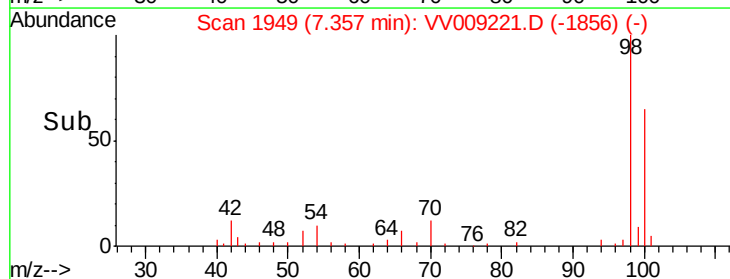
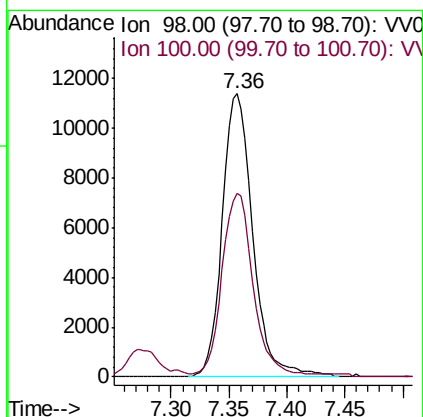
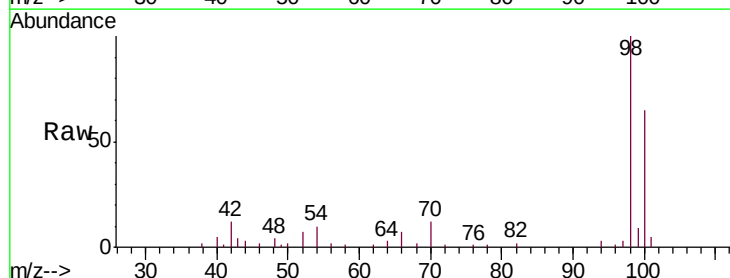
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

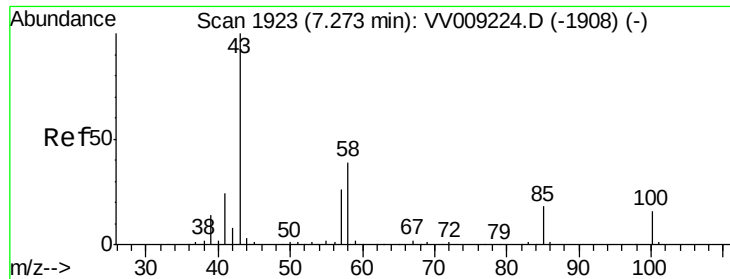
Tgt Ion: 88 Resp: 709
Ion Ratio Lower Upper
88 100
43 52.9 31.3 46.9#
58 80.0 59.6 89.4



#50
Toluene-d8
Concen: 5.124 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 98 Resp: 20748
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5

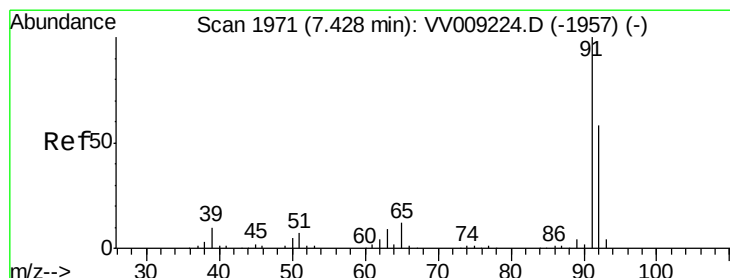
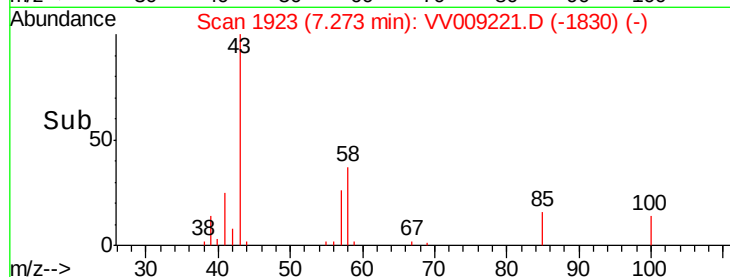
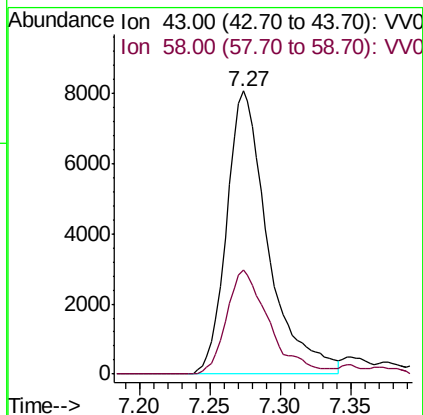
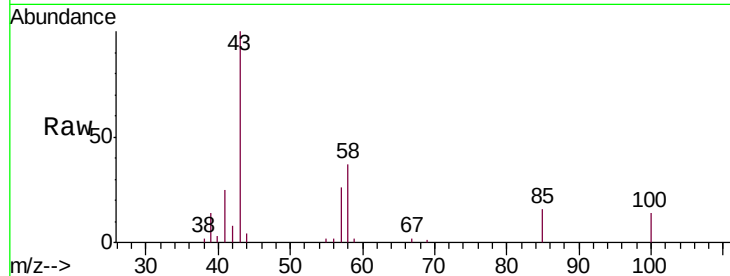




#51
 4-Methyl-2-Pentanone
 Concen: 24.165 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

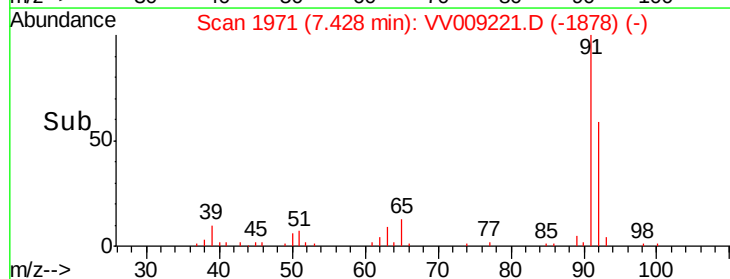
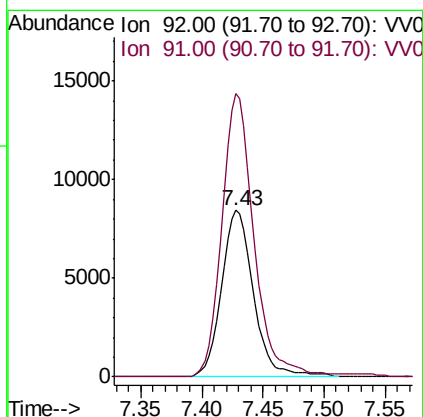
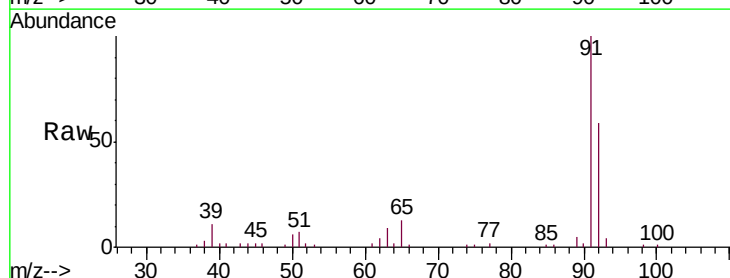
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

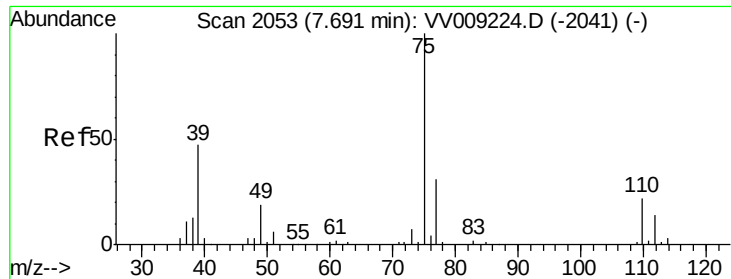
Tgt Ion: 43 Resp: 16634
 Ion Ratio Lower Upper
 43 100
 58 37.6 29.5 44.3



#52
 Toluene
 Concen: 5.298 ug/l
 RT: 7.43 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 92 Resp: 15542
 Ion Ratio Lower Upper
 92 100
 91 171.2 136.9 205.3

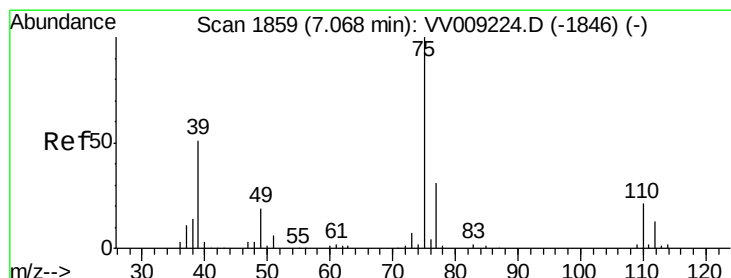
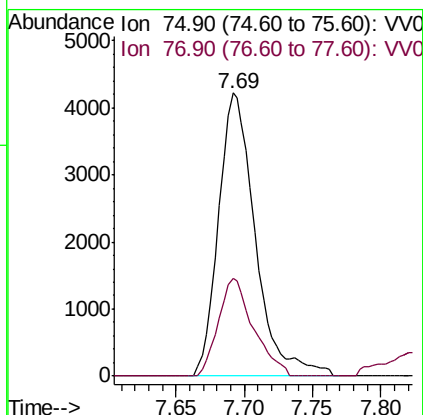
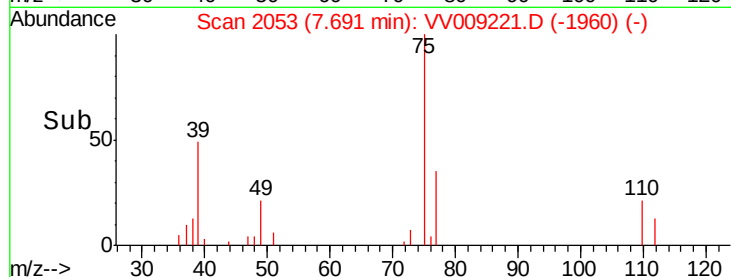
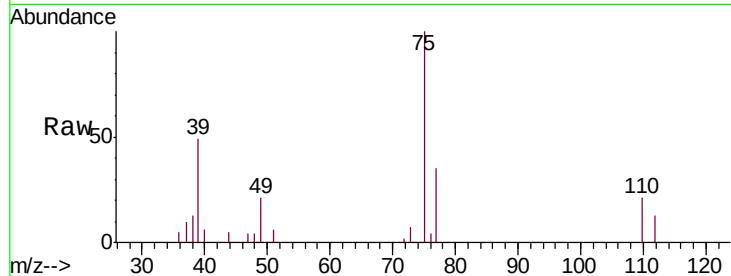




#53
 t-1,3-Dichloropropene
 Concen: 4.978 ug/l
 RT: 7.69 min Scan# 2053
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

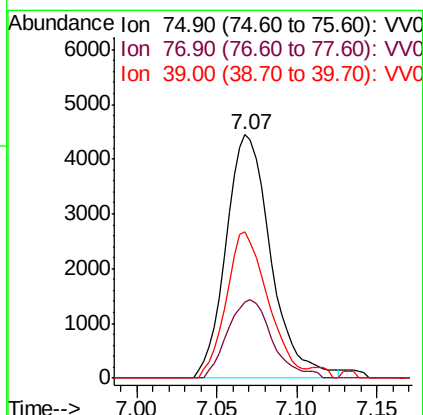
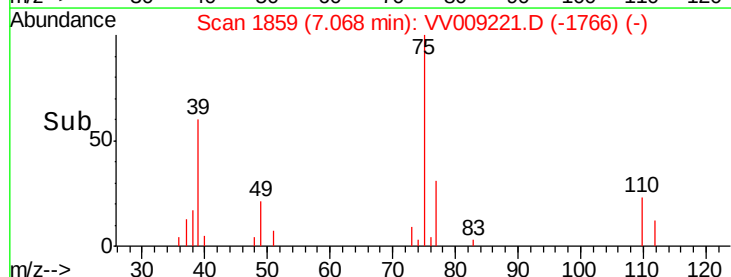
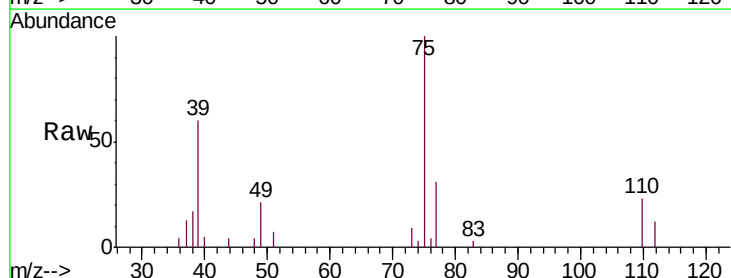
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

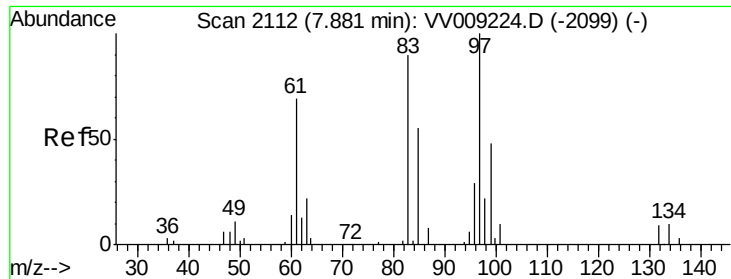
Tgt Ion: 75 Resp: 7905
 Ion Ratio Lower Upper
 75 100
 77 34.6 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.635 ug/l
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 75 Resp: 8504
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.7 37.1
 39 60.0 40.8 61.2

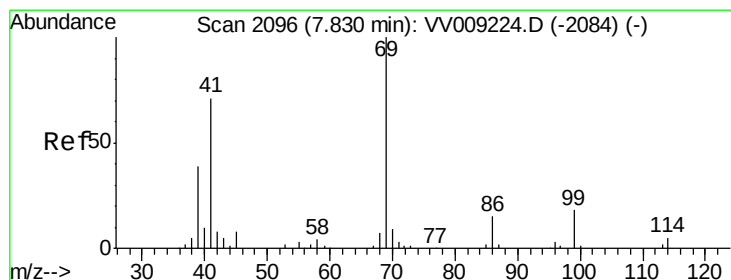
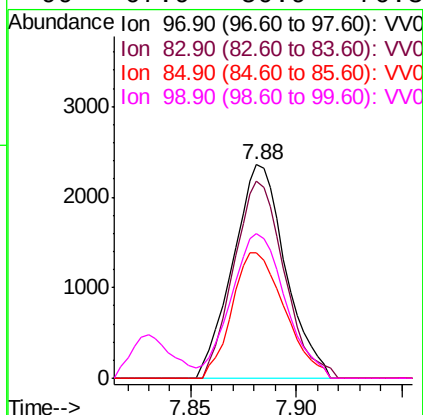
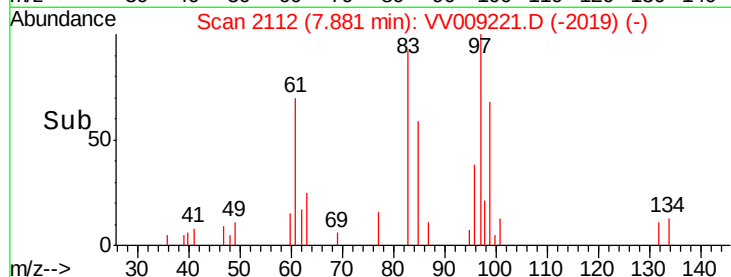
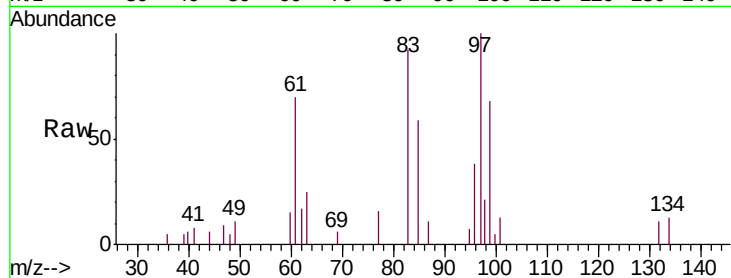




#55
1,1,2-Trichloroethane
Concen: 4.991 ug/l
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

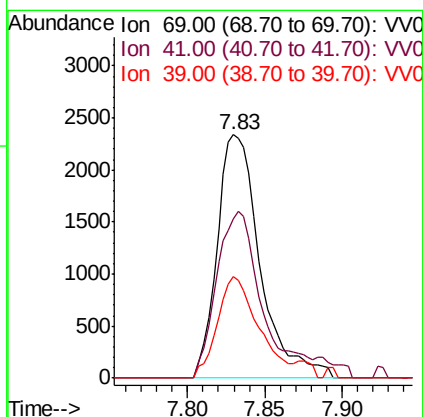
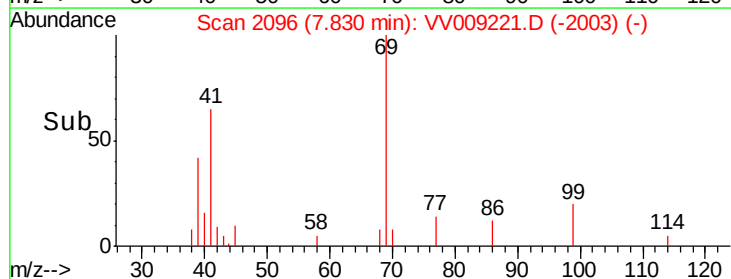
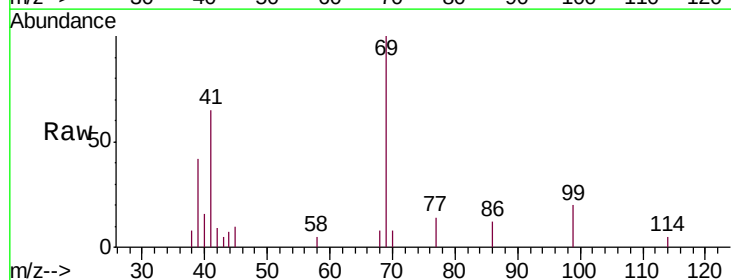
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

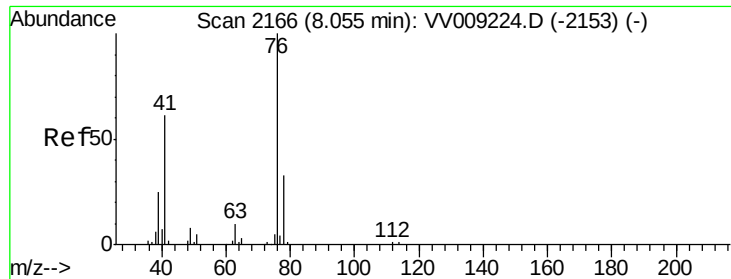
Tgt Ion:	97	Resp:	4076
Ion	Ratio	Lower	Upper
97	100		
83	92.1	71.9	107.9
85	58.9	44.8	67.2
99	67.9	50.9	76.3



#56
Ethyl methacrylate
Concen: 4.389 ug/l
RT: 7.83 min Scan# 2096
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion:	69	Resp:	4505
Ion	Ratio	Lower	Upper
69	100		
41	76.7	55.4	83.2
39	40.1	29.4	44.2

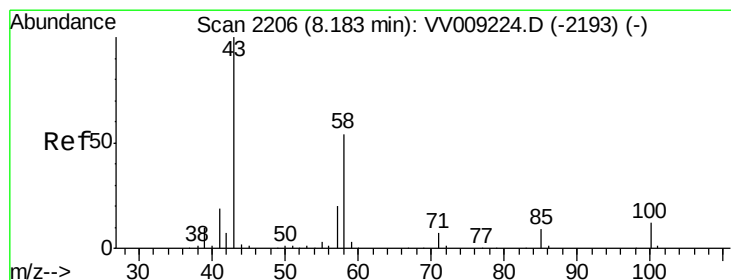
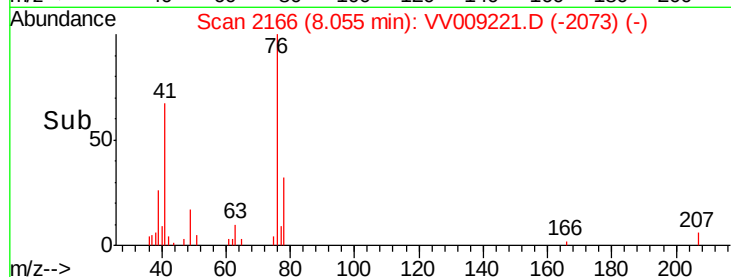
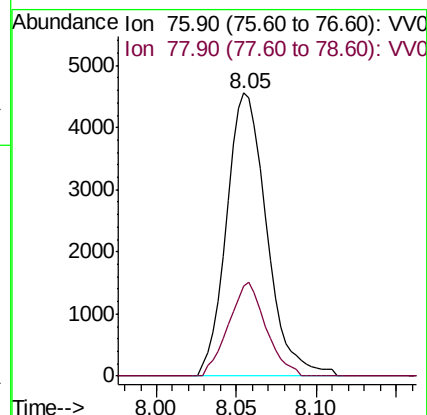
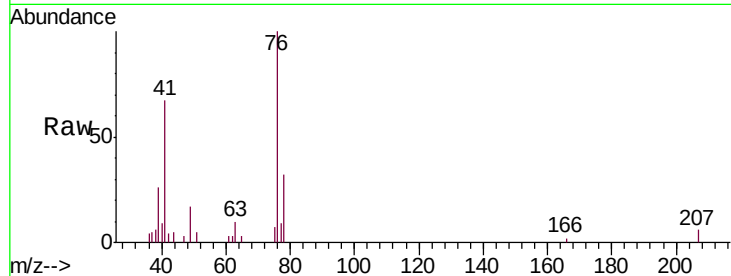




#57
 1,3-Dichloropropane
 Concen: 5.081 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

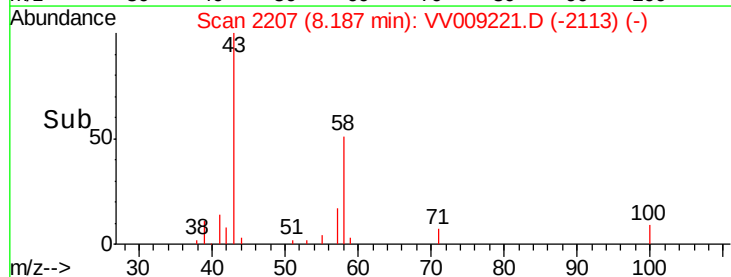
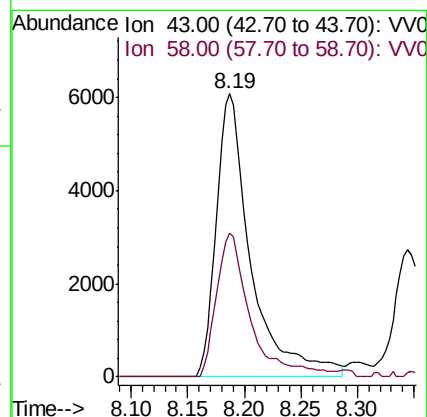
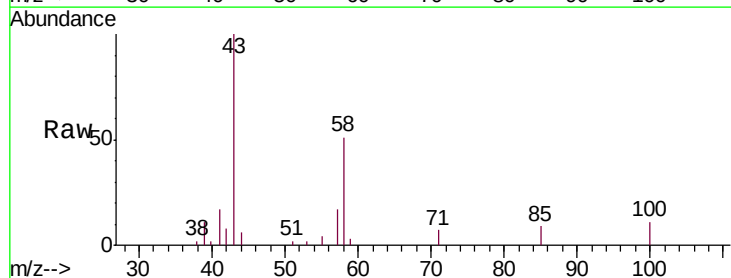
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

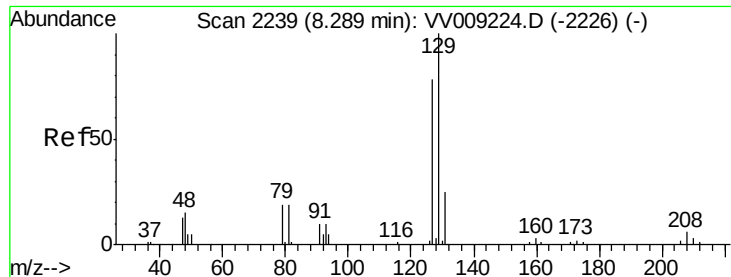
Tgt Ion: 76 Resp: 7825
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.8 38.6



#59
 2-Hexanone
 Concen: 26.159 ug/l
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 43 Resp: 12909
 Ion Ratio Lower Upper
 43 100
 58 49.7 26.3 78.9





#60

Dibromochloromethane

Concen: 4.612 ug/l

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

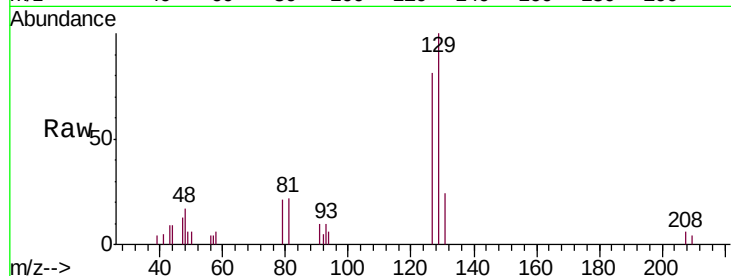
VSTDIC005

Tgt Ion:129 Resp: 4638

Ion Ratio Lower Upper

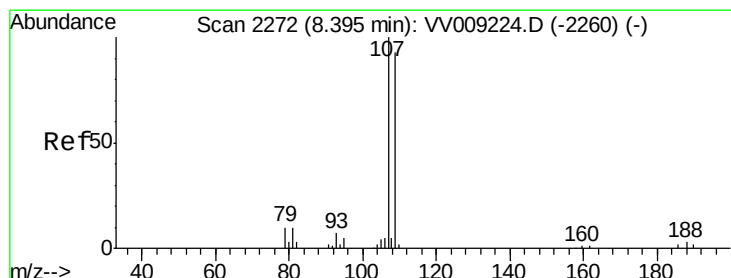
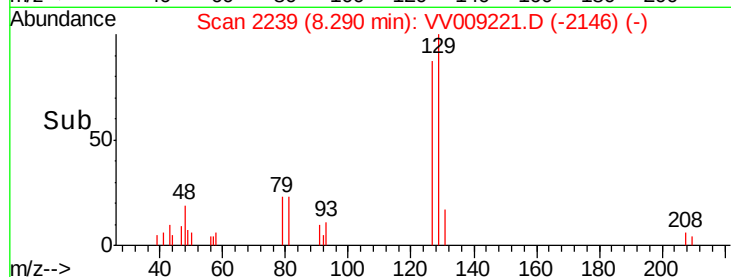
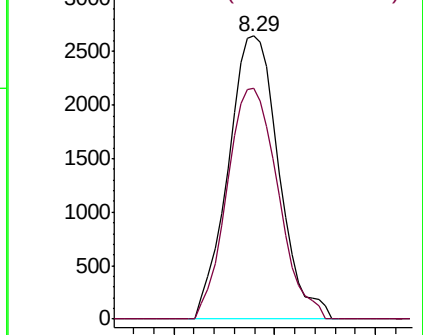
129 100

127 82.1 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 5.014 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009221.D

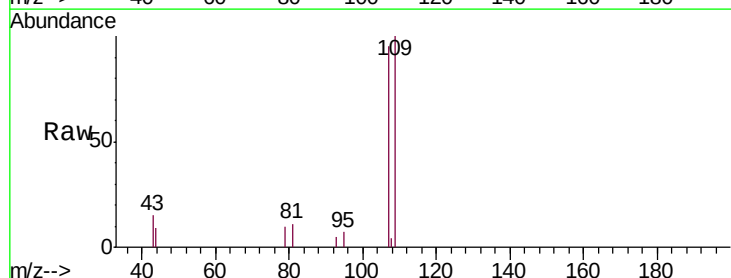
Acq: 18 Jan 2019 15:33

Tgt Ion:107 Resp: 4093

Ion Ratio Lower Upper

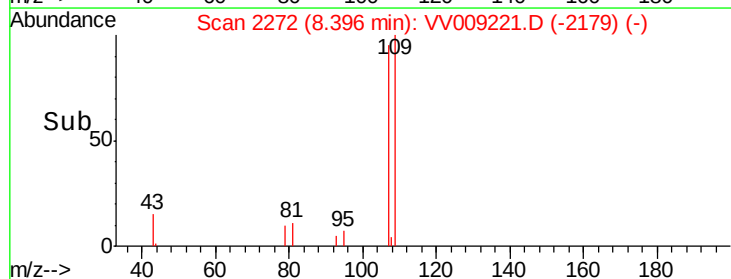
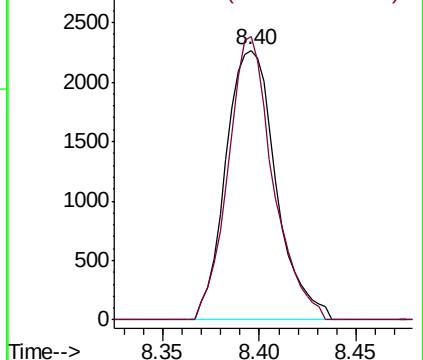
107 100

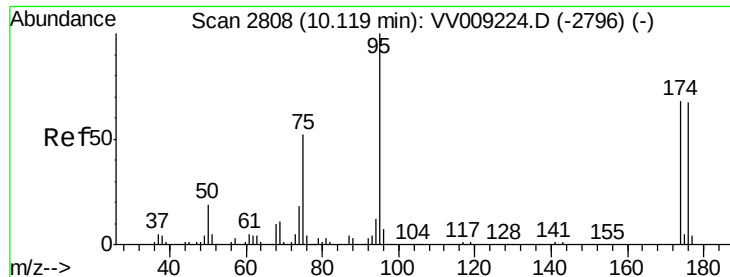
109 93.9 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 4.861 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

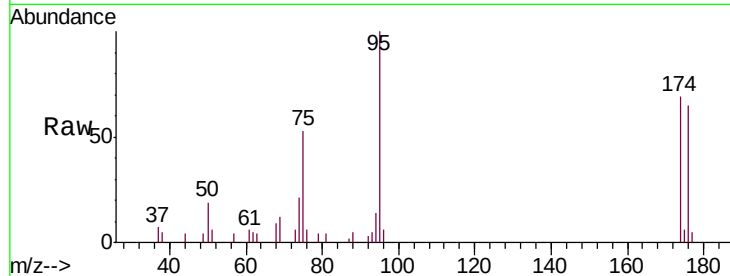
Tgt Ion: 95 Resp: 7659

Ion Ratio Lower Upper

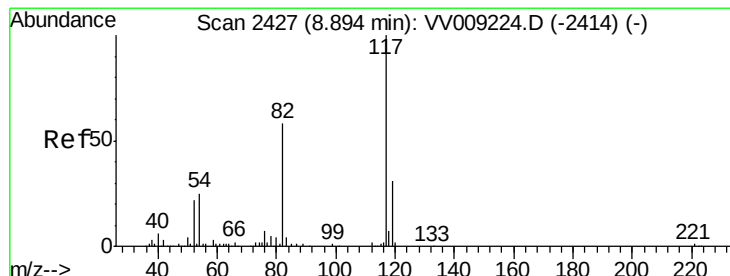
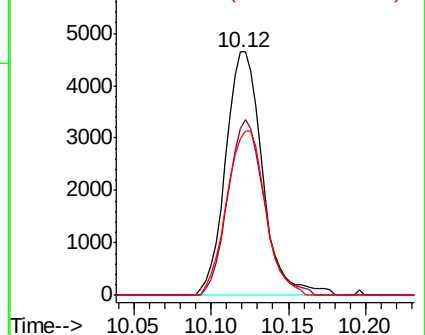
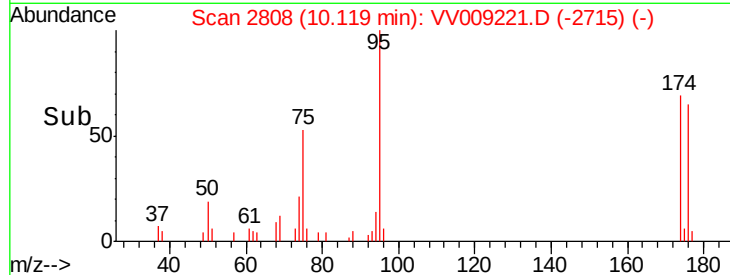
95 100

174 71.4 0.0 141.6

176 70.8 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VV009221.D (-2715) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.89 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

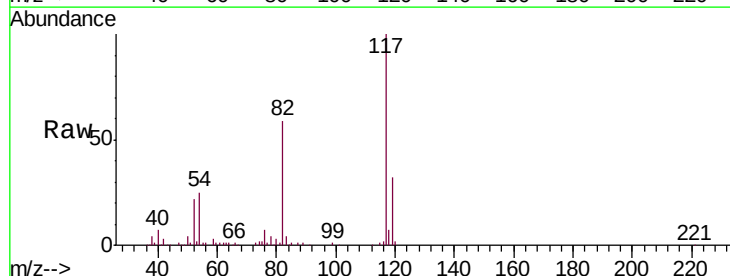
Tgt Ion: 117 Resp: 149194

Ion Ratio Lower Upper

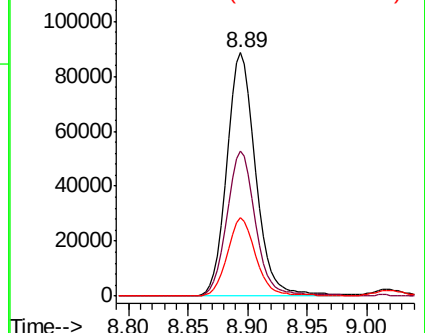
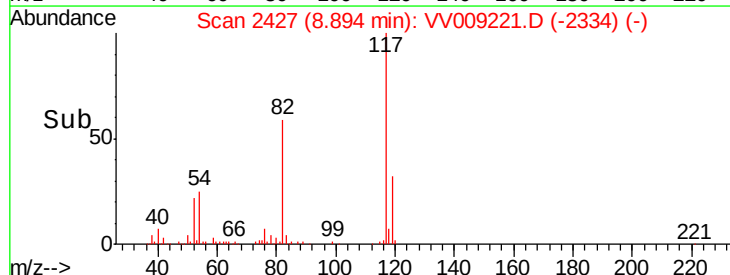
117 100

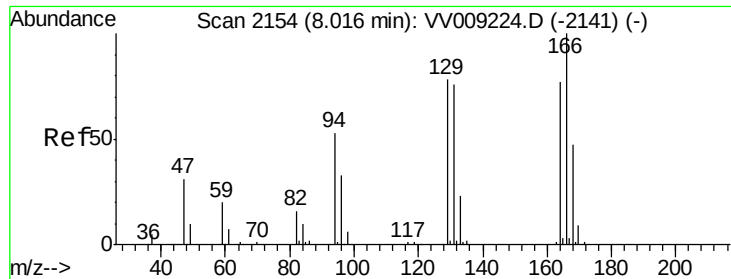
82 59.4 46.2 69.2

119 32.0 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): VV009221.D (-2334) (-)

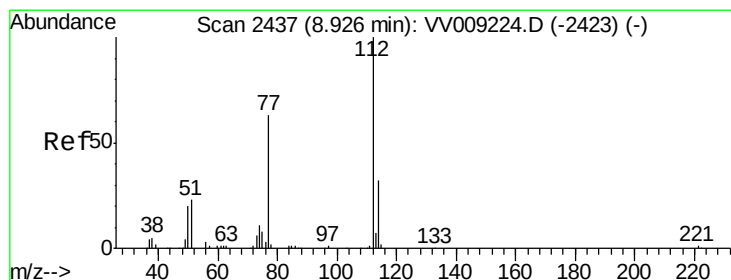
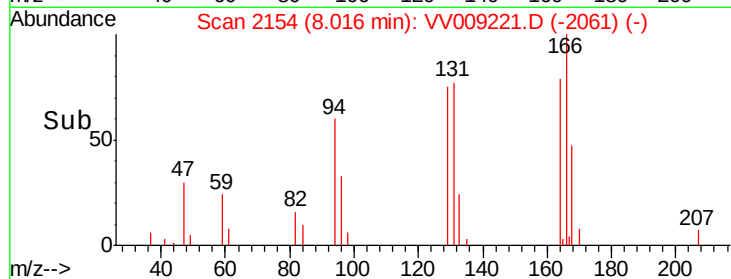
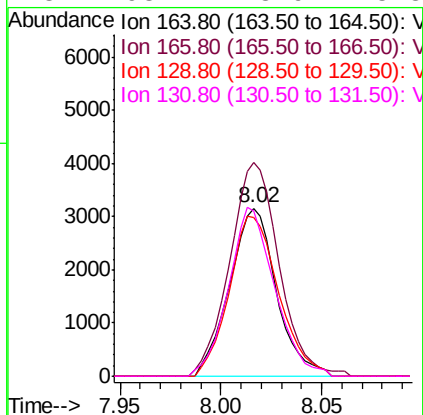
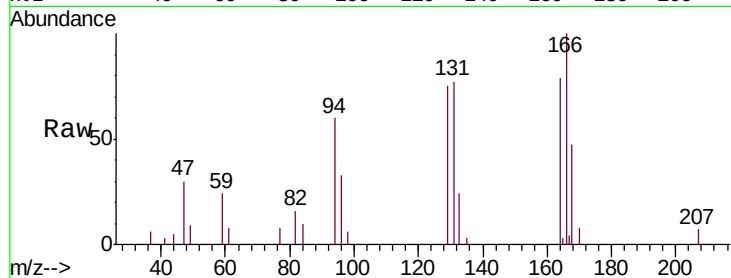




#64
Tetrachloroethene
Concen: 5.548 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

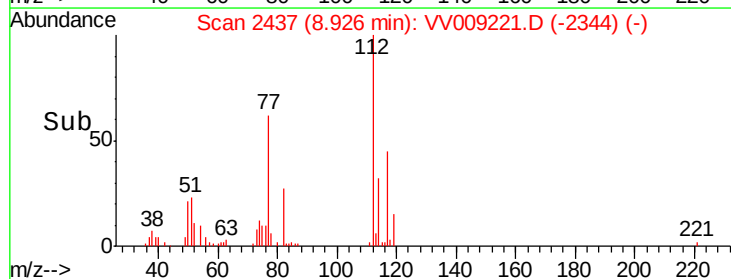
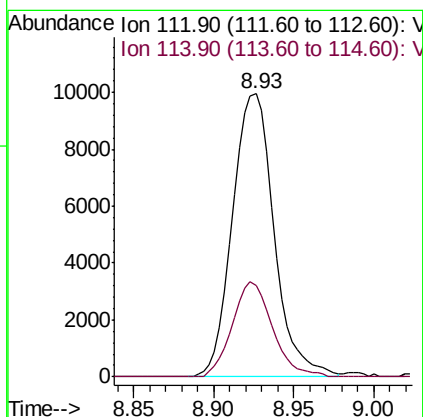
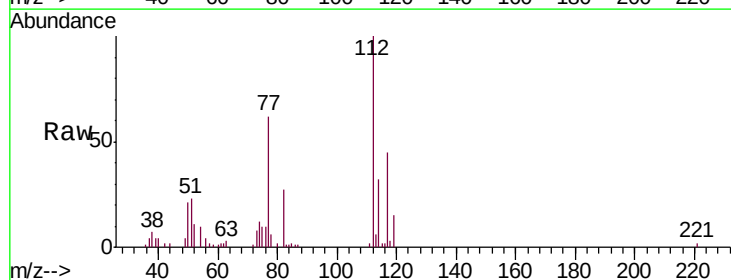
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

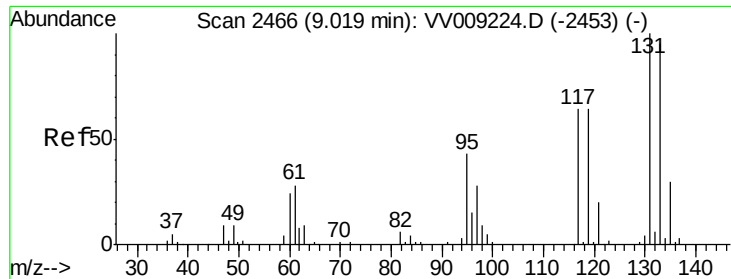
Tgt Ion:	164	Resp:	5134
Ion	Ratio	Lower	Upper
164	100		
166	127.2	104.2	156.2
129	94.8	81.0	121.4
131	98.1	78.9	118.3



#65
Chlorobenzene
Concen: 5.636 ug/l
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion:	112	Resp:	17697
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 4.989 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

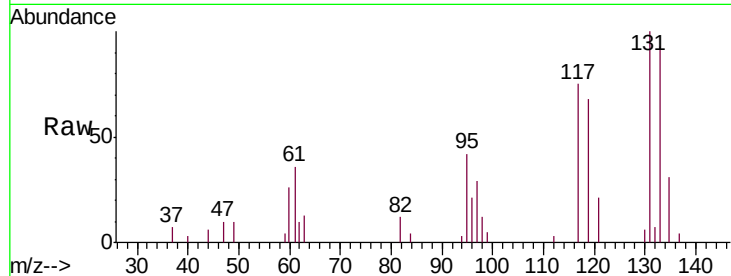
Tgt Ion:131 Resp: 5563

Ion Ratio Lower Upper

131 100

133 97.4 47.3 141.8

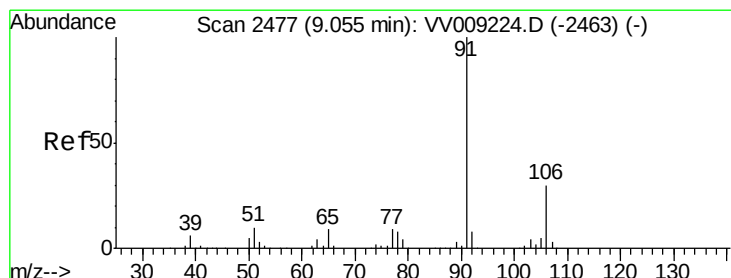
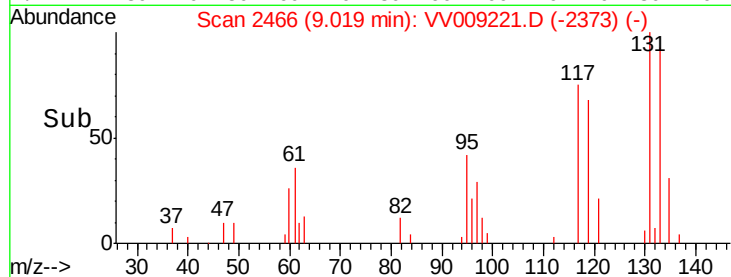
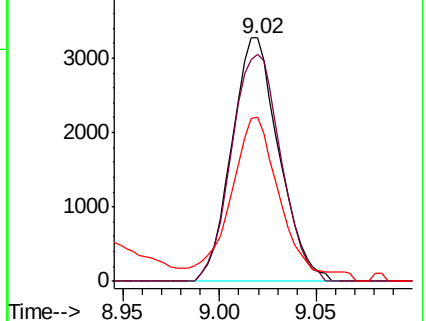
119 72.2 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 5.343 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009221.D

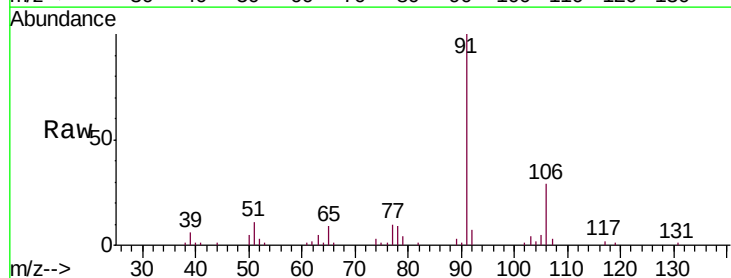
Acq: 18 Jan 2019 15:33

Tgt Ion: 91 Resp: 30250

Ion Ratio Lower Upper

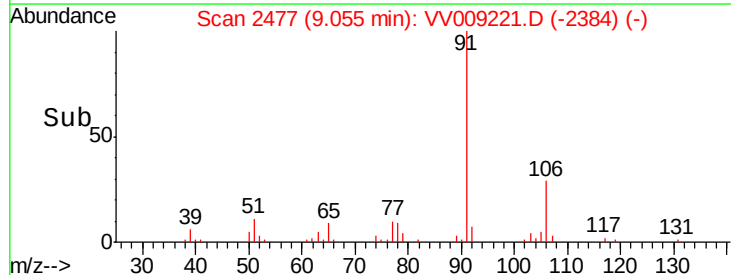
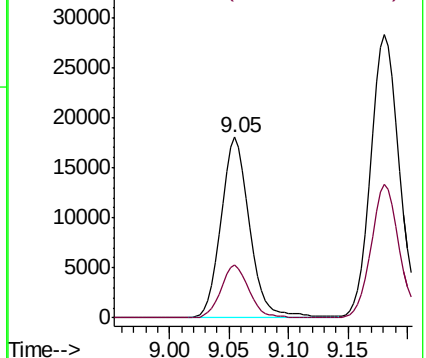
91 100

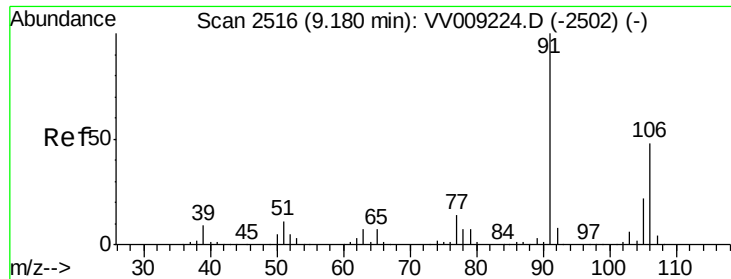
106 29.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

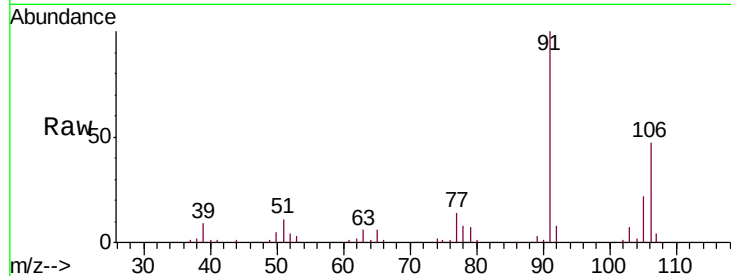




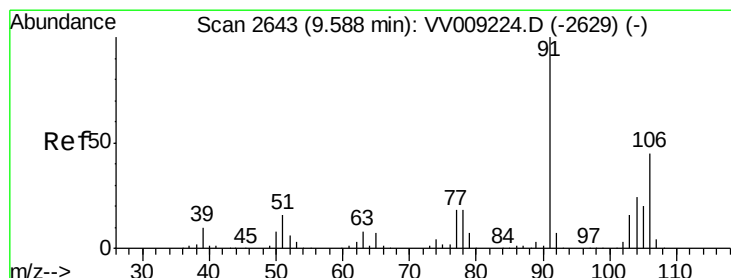
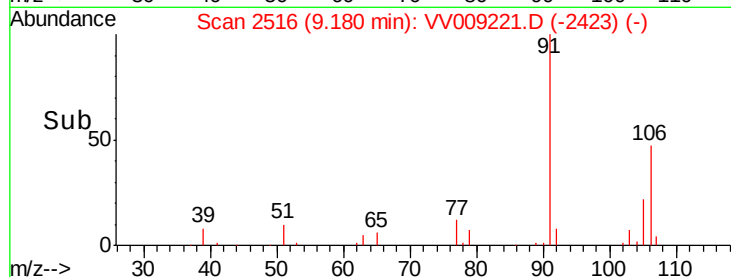
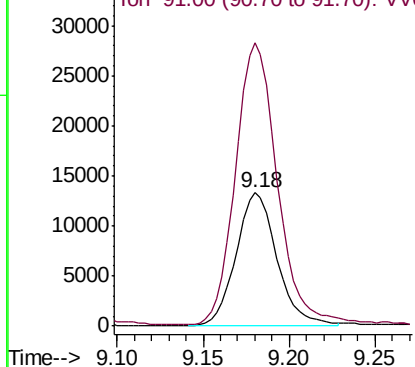
#68
m/p-Xylenes
Concen: 10.488 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 22154
Ion Ratio Lower Upper
106 100
91 214.6 170.4 255.6

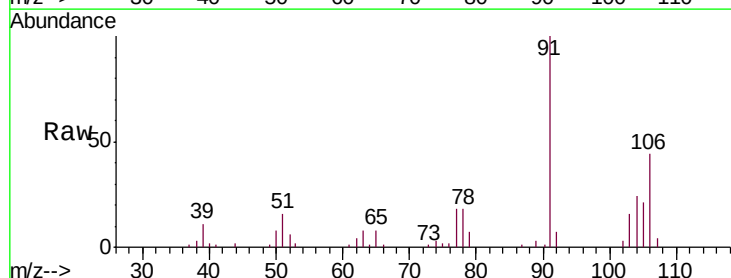


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

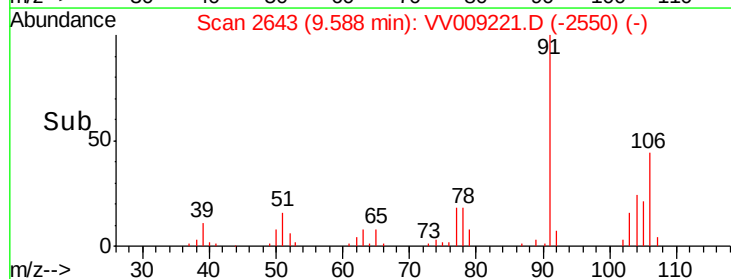
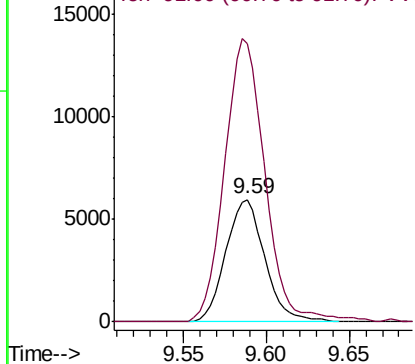


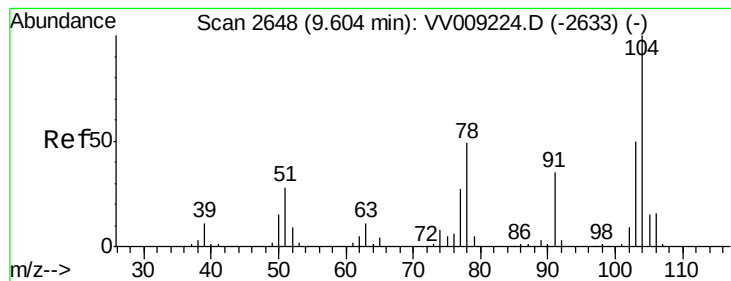
#69
o-Xylene
Concen: 4.818 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion:106 Resp: 9766
Ion Ratio Lower Upper
106 100
91 239.6 110.6 331.8



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





#70

Styrene

Concen: 4.851 ug/l

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

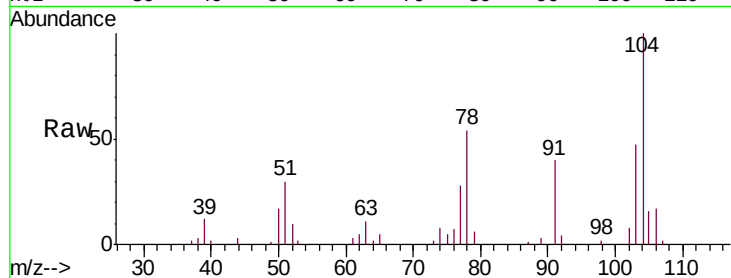
Tgt Ion:104 Resp: 16128

Ion Ratio Lower Upper

104 100

78 57.4 43.7 65.5

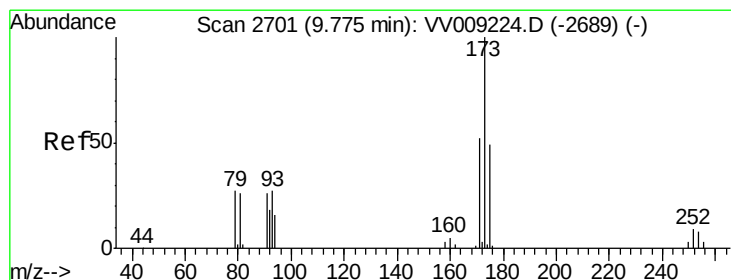
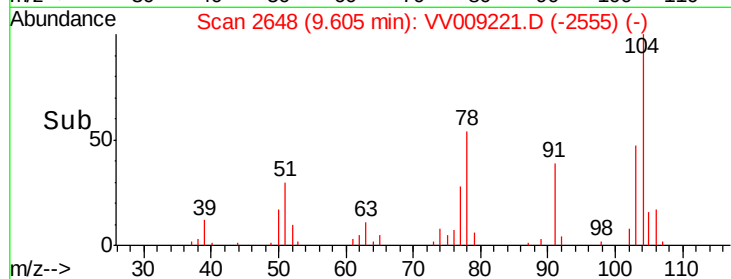
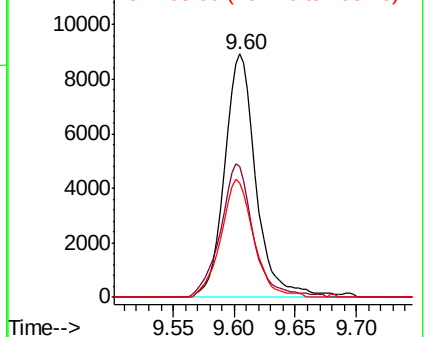
103 50.3 44.0 66.0



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: 4.471 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

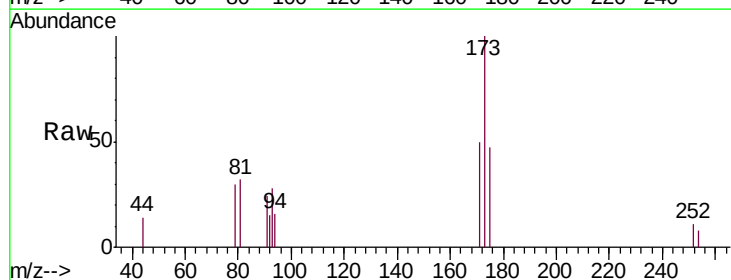
Tgt Ion:173 Resp: 2413

Ion Ratio Lower Upper

173 100

175 46.5 24.1 72.4

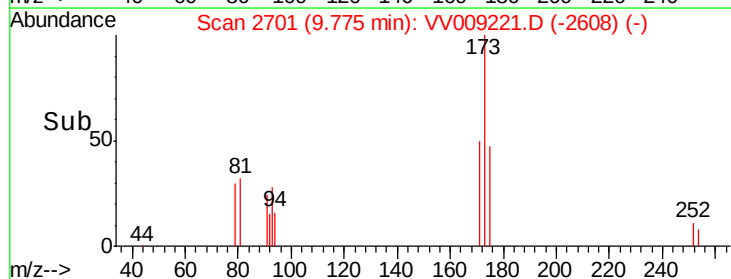
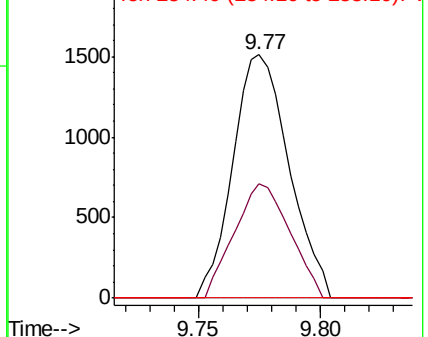
254 0.0 0.0 0.0

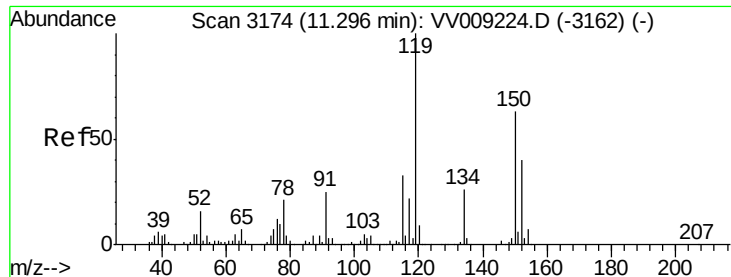


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



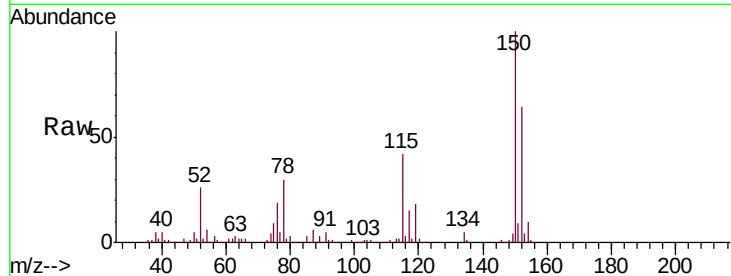


#72

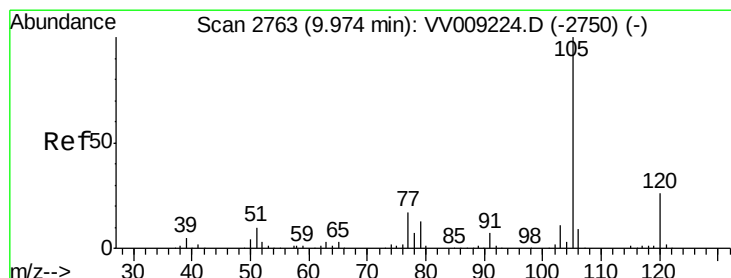
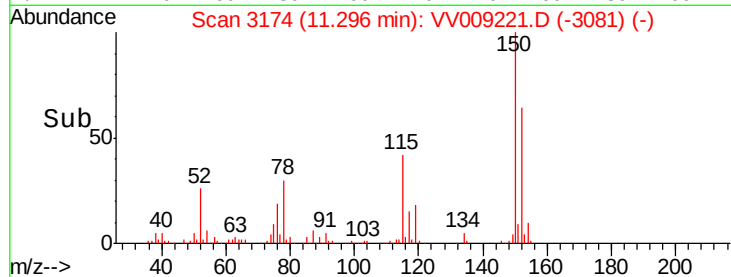
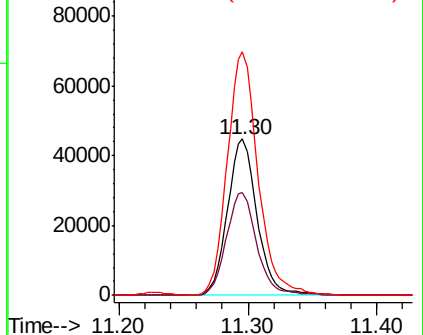
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

Tgt Ion:152 Resp: 71408
Ion Ratio Lower Upper
152 100
115 67.3 45.1 135.3
150 161.8 0.0 350.8



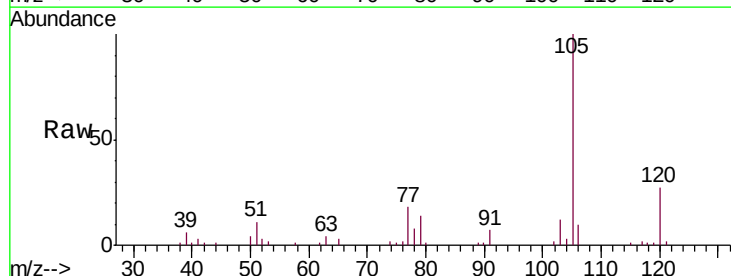
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



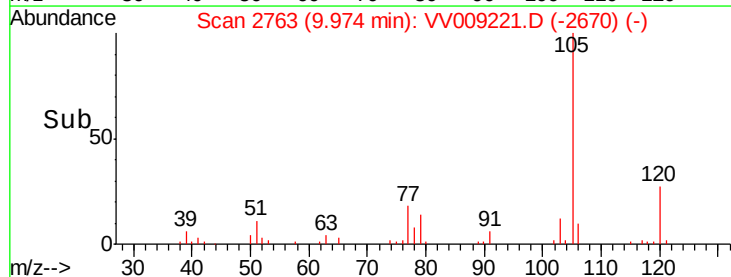
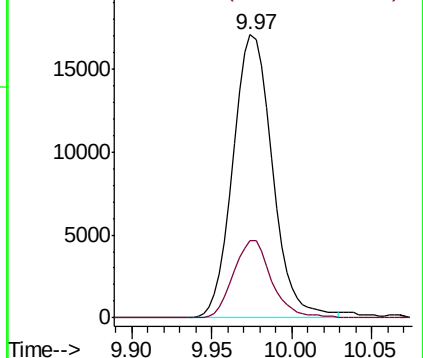
#73

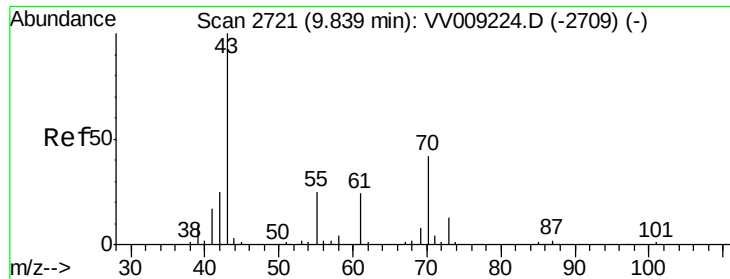
Isopropylbenzene
Concen: 5.403 ug/l
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion:105 Resp: 28711
Ion Ratio Lower Upper
105 100
120 26.4 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 4.768 ug/l

RT: 9.84 min Scan# 2722

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 5385

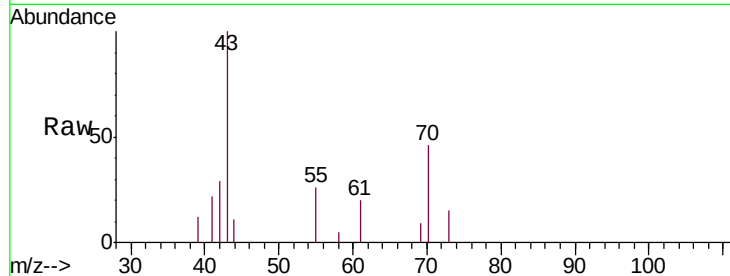
Ion Ratio Lower Upper

43 100

70 40.7 32.4 48.6

55 24.4 19.9 29.9

61 19.9 19.0 28.6

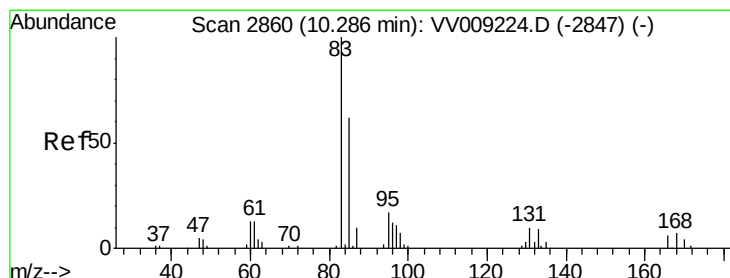
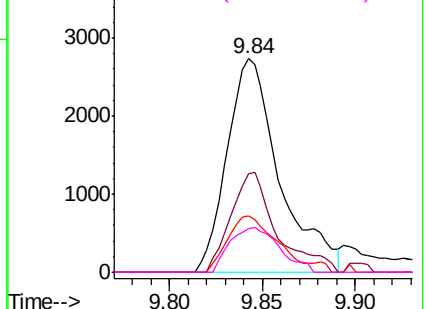
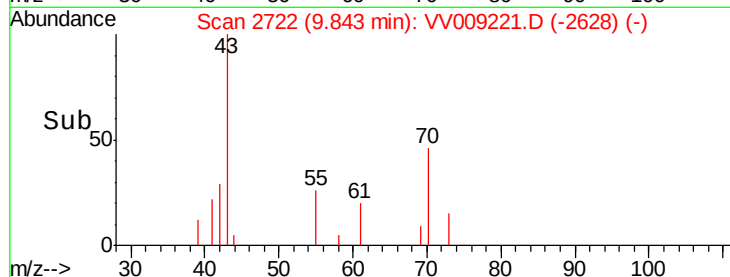


Abundance Ion 43.00 (42.70 to 43.70): VV009221.D (-2628) (-)

Ion 70.00 (69.70 to 70.70): VV009221.D (-2628) (-)

Ion 55.00 (54.70 to 55.70): VV009221.D (-2628) (-)

Ion 61.00 (60.70 to 61.70): VV009221.D (-2628) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 5.126 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

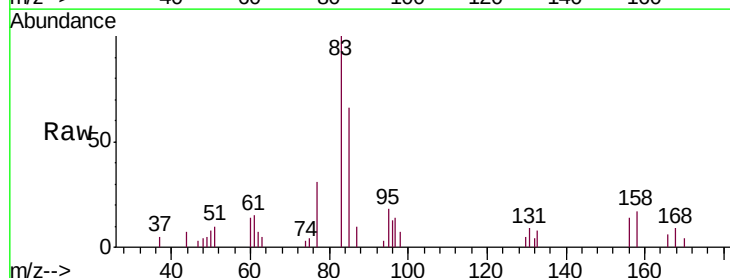
Tgt Ion: 83 Resp: 4848

Ion Ratio Lower Upper

83 100

131 9.6 5.2 15.6

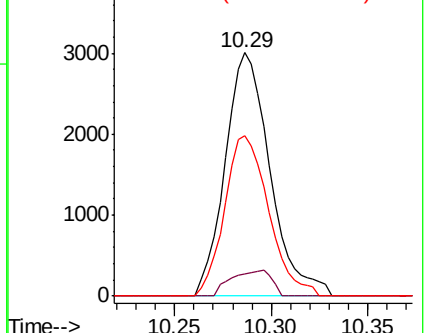
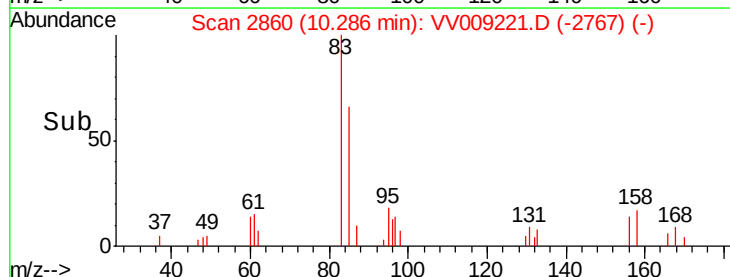
85 64.6 31.6 94.7

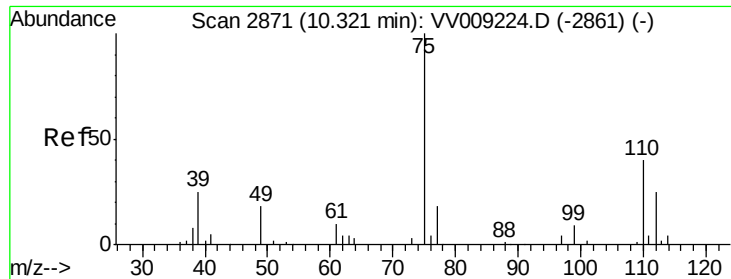


Abundance Ion 82.90 (82.60 to 83.60): VV009221.D (-2767) (-)

Ion 130.80 (130.50 to 131.50): VV009221.D (-2767) (-)

Ion 84.90 (84.60 to 85.60): VV009221.D (-2767) (-)





#76

1,2,3-Trichloropropane

Concen: 1.558 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. -0.27 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

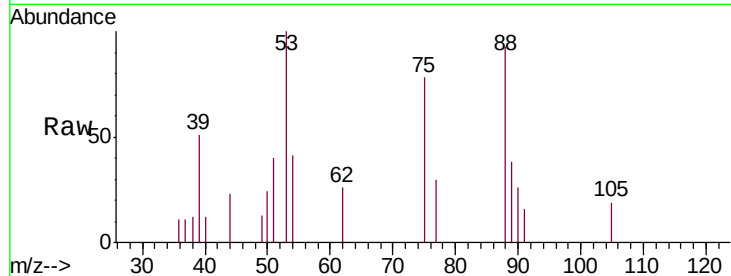
VSTDIC005

Tgt Ion: 75 Resp: 1112

Ion Ratio Lower Upper

75 100

77 39.9 24.1 72.3



Abundance Ion 74.90 (74.60 to 75.60): VV009221.D (-2786) (-)

Ion 77.00 (76.70 to 77.70): VV009221.D (-2786) (-)

1200

1000

800

600

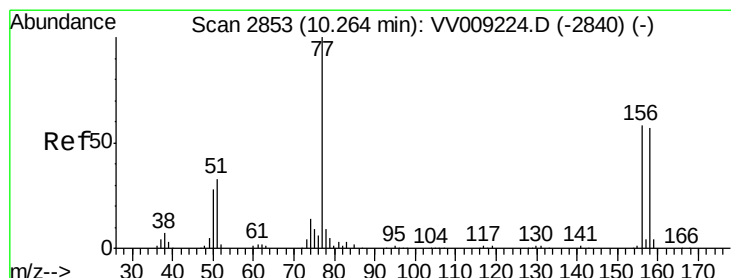
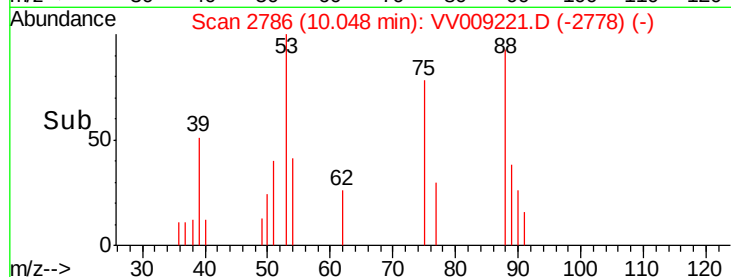
400

200

0

10.05

Time-->



#77

Bromobenzene

Concen: 5.576 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

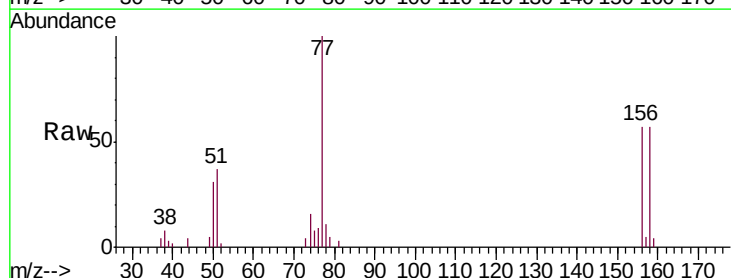
Tgt Ion: 156 Resp: 6471

Ion Ratio Lower Upper

156 100

77 182.9 86.6 259.7

158 96.8 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): VV009221.D (-2853) (-)

Ion 77.00 (76.70 to 77.70): VV009221.D (-2853) (-)

Ion 157.80 (157.50 to 158.50): VV009221.D (-2853) (-)

8000

6000

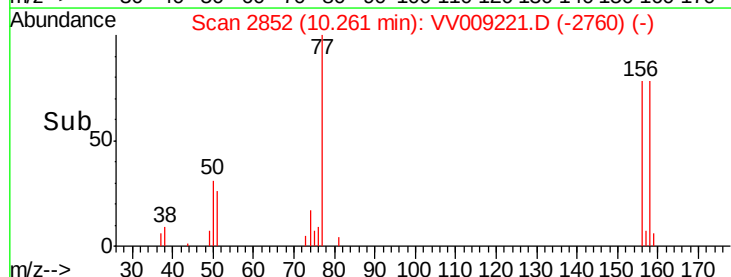
4000

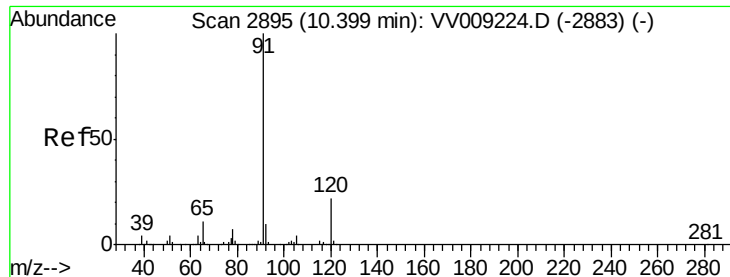
2000

0

10.26

Time-->

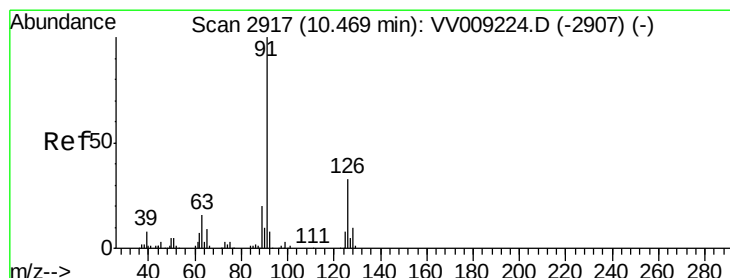
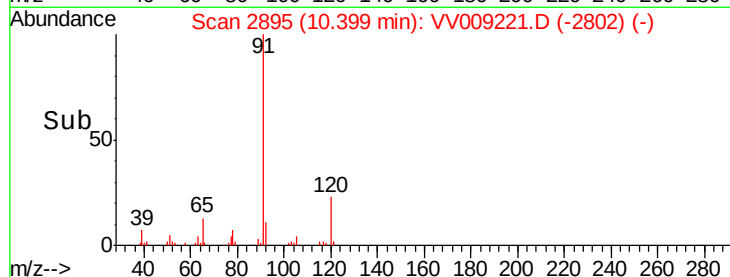
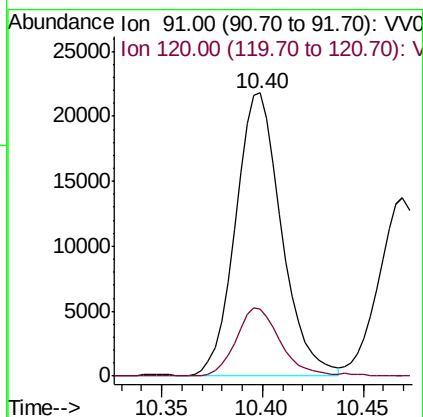
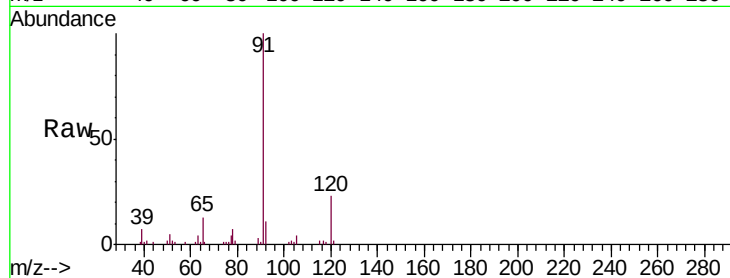




#78
n-propylbenzene
Concen: 5.501 ug/l
RT: 10.40 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

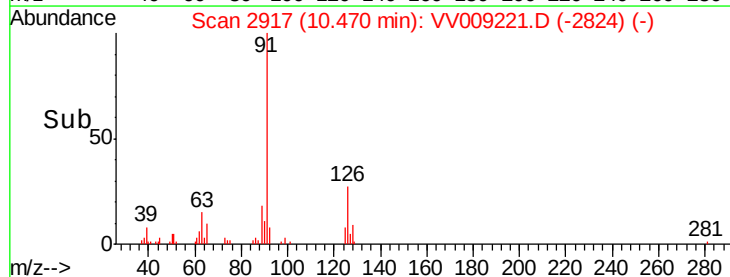
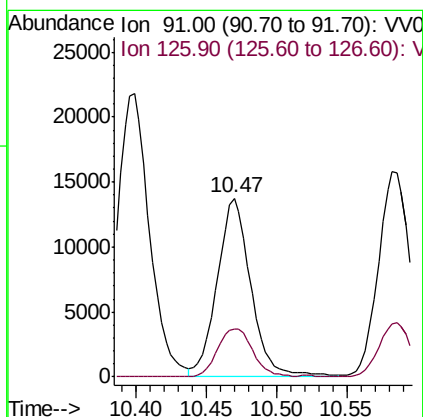
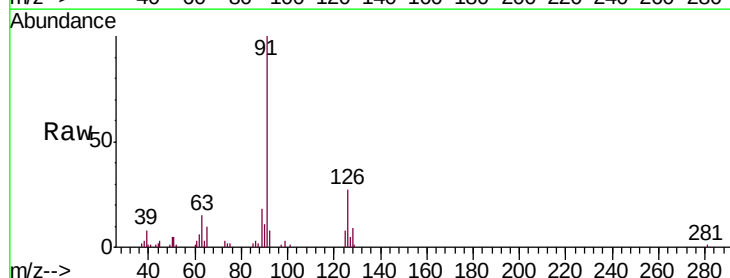
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

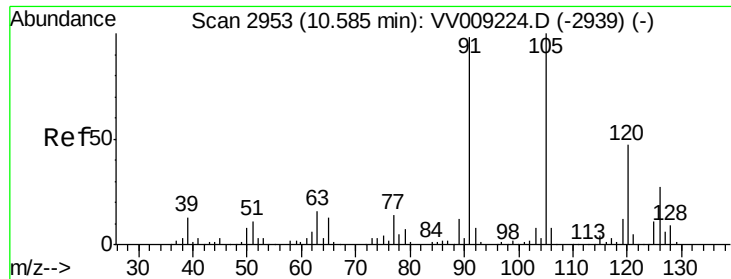
Tgt Ion: 91 Resp: 34913
Ion Ratio Lower Upper
91 100
120 23.3 11.1 33.3



#79
2-Chlorotoluene
Concen: 6.047 ug/l
RT: 10.47 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 91 Resp: 22909
Ion Ratio Lower Upper
91 100
126 28.0 16.0 47.9

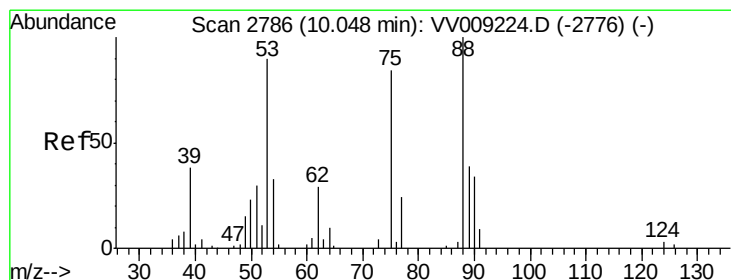
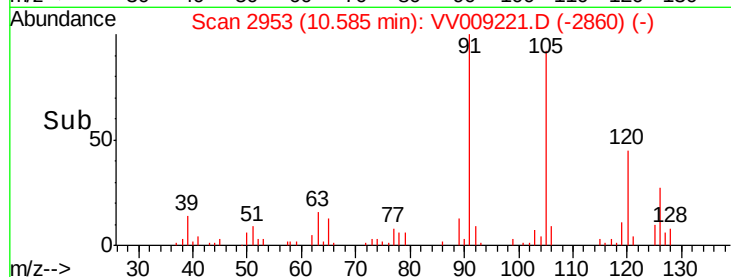
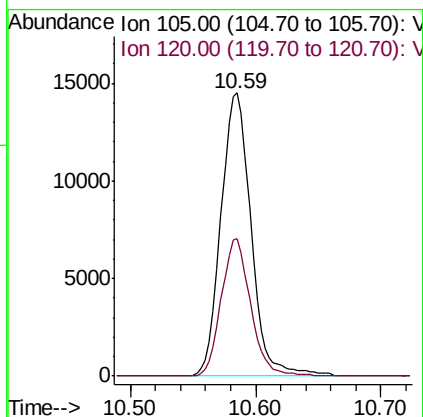
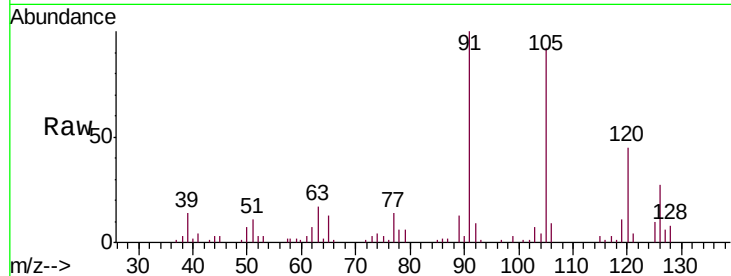




#80
 1,3,5-Trimethylbenzene
 Concen: 5.349 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

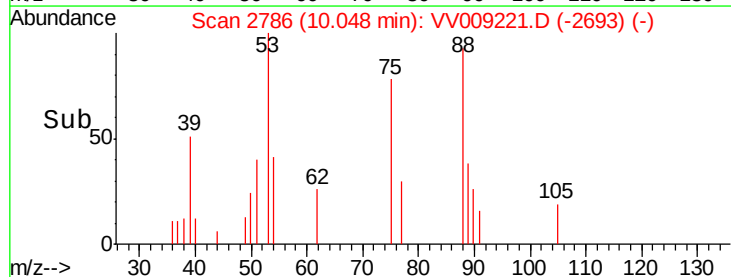
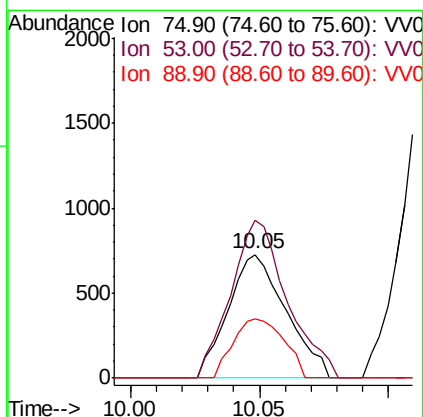
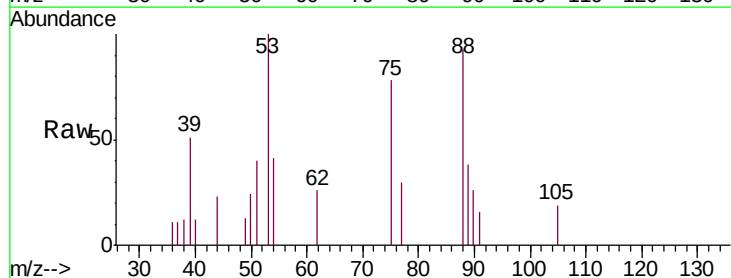
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

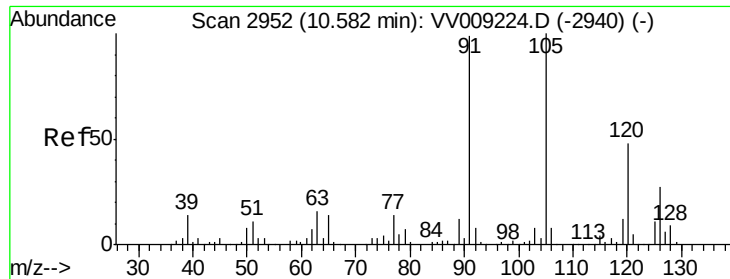
Tgt Ion: 105 Resp: 24183
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.183 ug/l
 RT: 10.05 min Scan# 2786
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 75 Resp: 1136
 Ion Ratio Lower Upper
 75 100
 53 124.7 85.5 128.3
 89 42.2 36.3 54.5

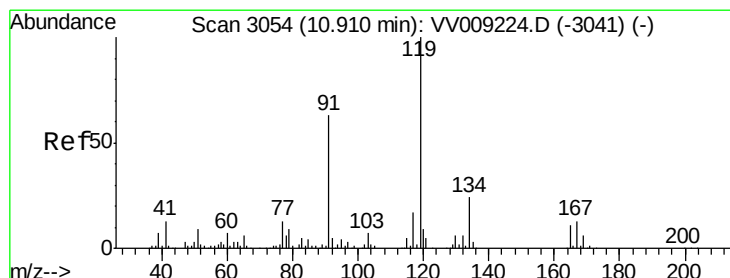
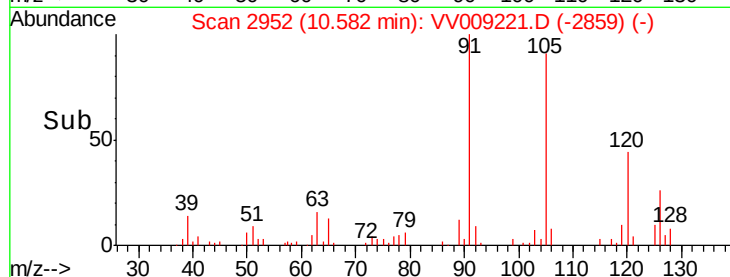
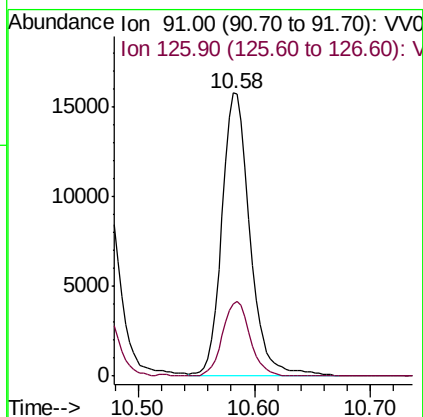
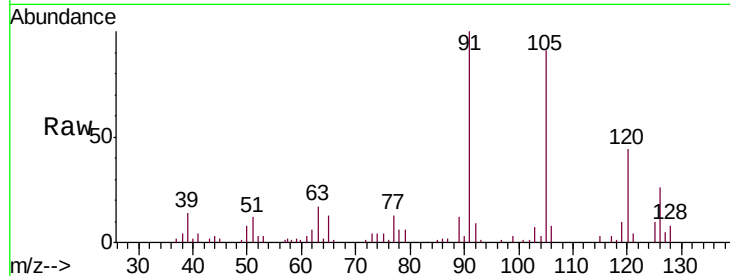




#82
4-Chlorotoluene
Concen: 5.819 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

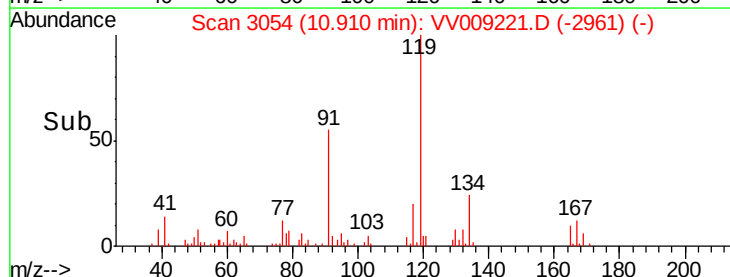
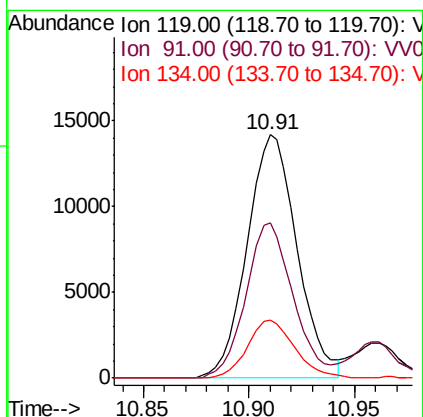
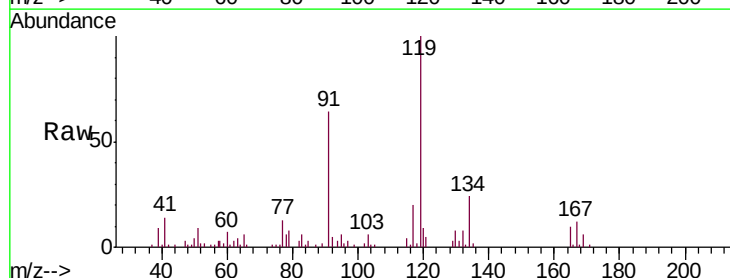
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

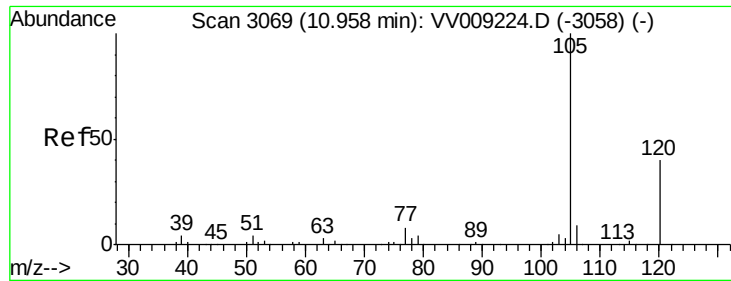
Tgt Ion: 91 Resp: 26554
Ion Ratio Lower Upper
91 100
126 25.6 13.9 41.7



#83
tert-Butylbenzene
Concen: 5.472 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VV009221.D
Acq: 18 Jan 2019 15:33

Tgt Ion: 119 Resp: 23439
Ion Ratio Lower Upper
119 100
91 60.2 30.5 91.5
134 22.5 11.8 35.4

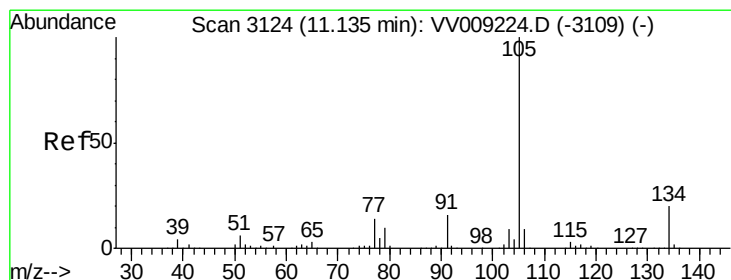
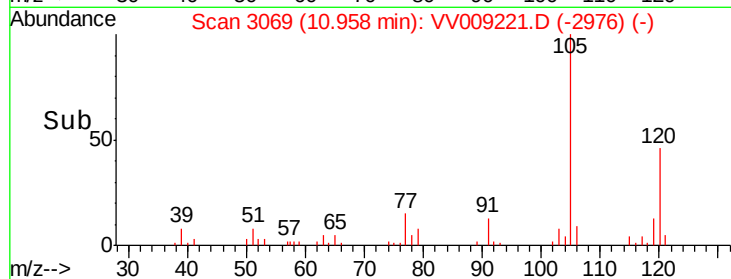
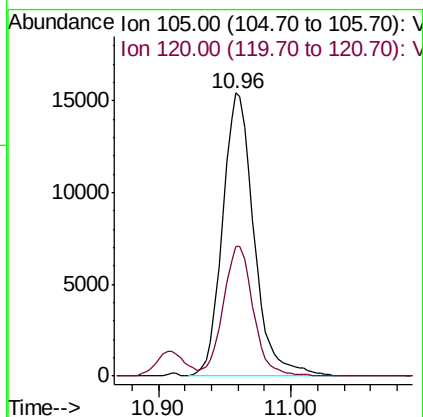
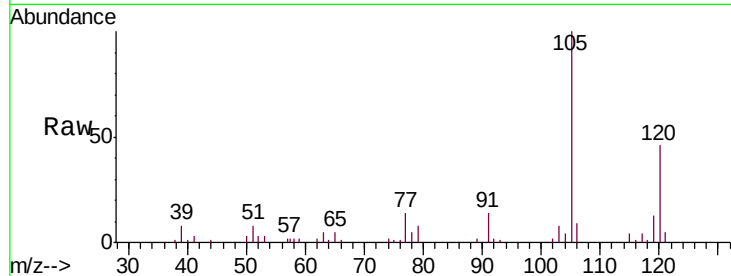




#84
 1,2,4-Trimethylbenzene
 Concen: 5.506 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

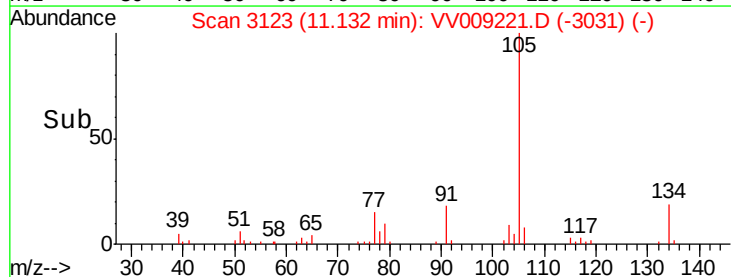
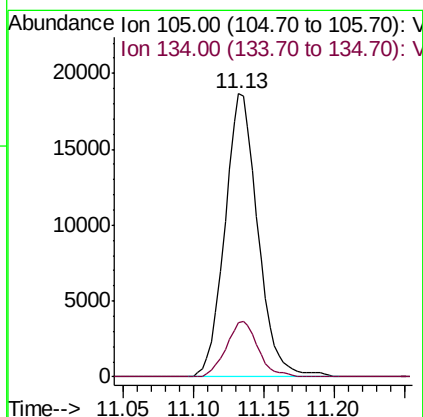
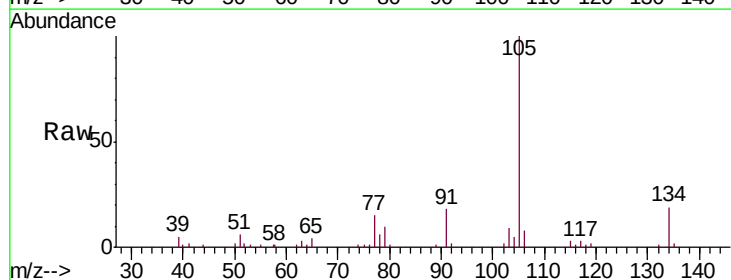
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

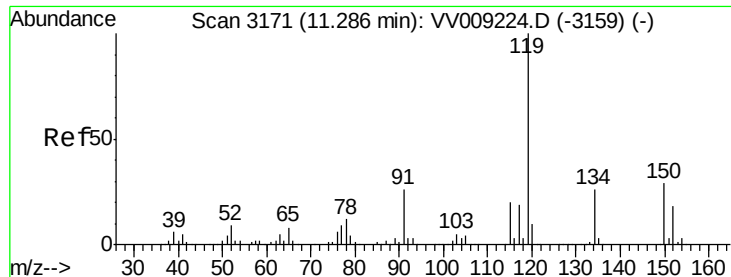
Tgt Ion:105 Resp: 25453
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 5.536 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion:105 Resp: 30472
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.8 29.5

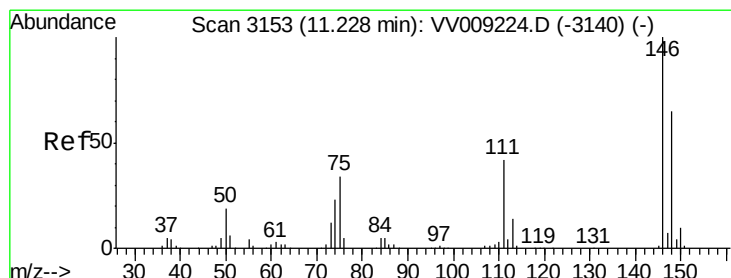
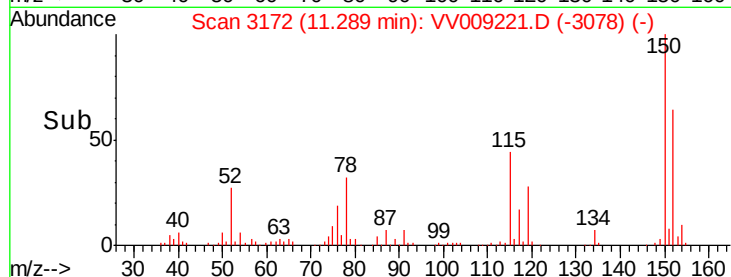
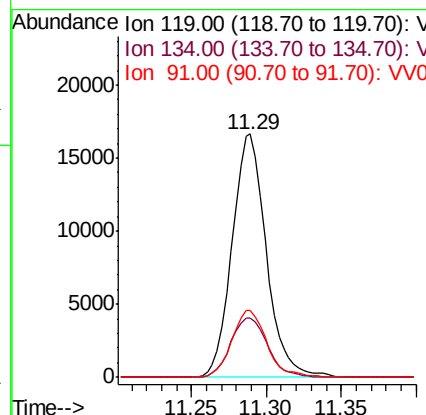
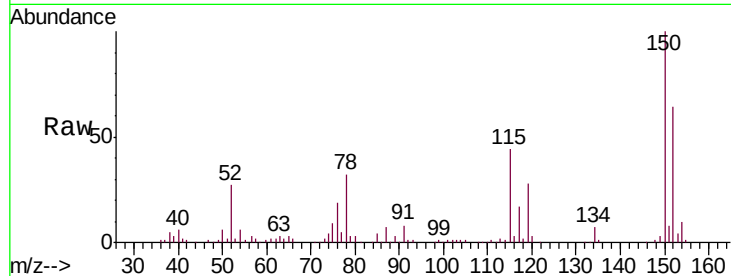




#86
 p-Isopropyltoluene
 Concen: 5.415 ug/l
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

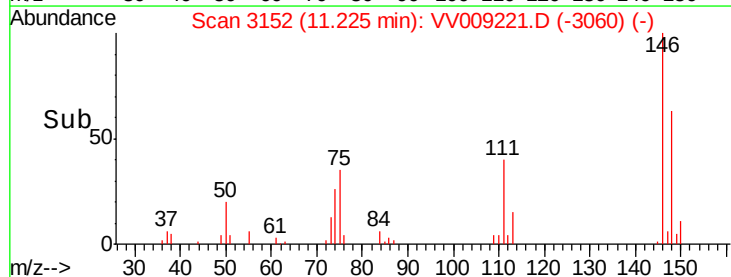
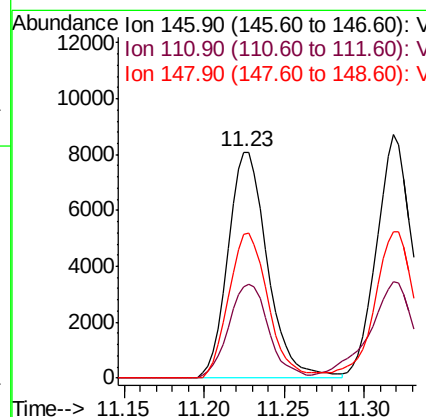
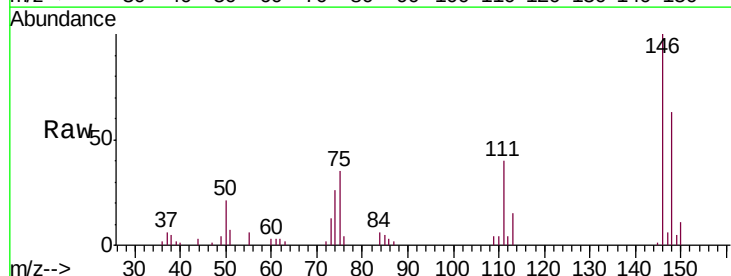
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

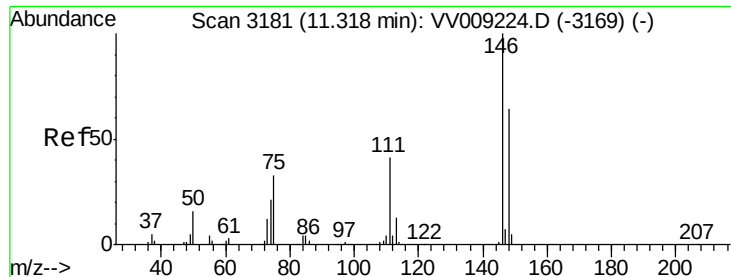
Tgt Ion:119 Resp: 26493
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 28.2 12.9 38.7



#87
 1,3-Dichlorobenzene
 Concen: 5.817 ug/l
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion:146 Resp: 13653
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.1
 148 63.5 32.2 96.6

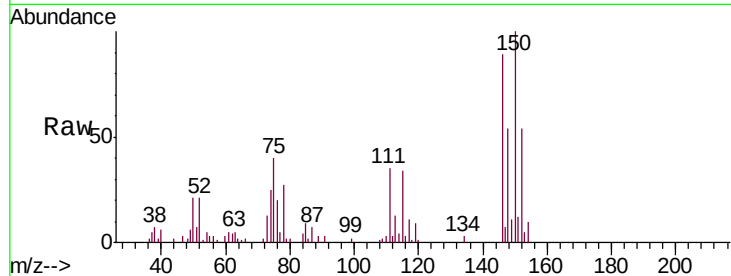




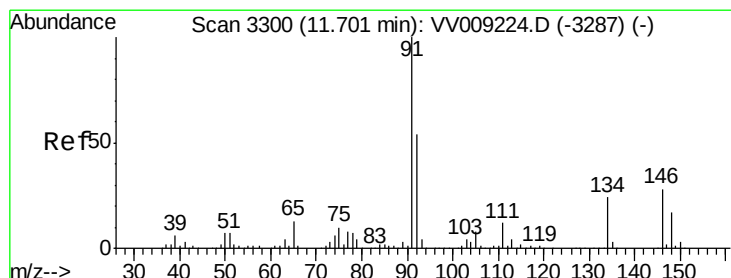
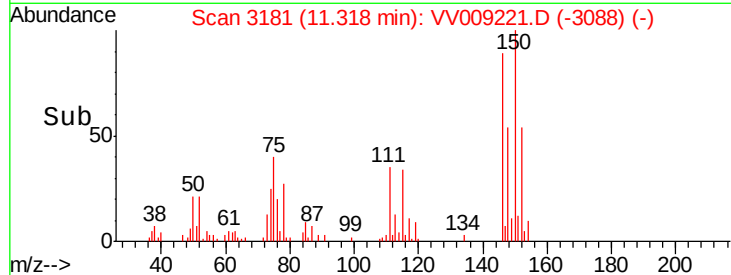
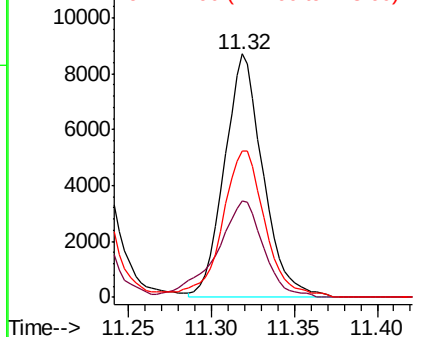
#88
 1,4-Dichlorobenzene
 Concen: 5.953 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Tgt Ion: 146 Resp: 14101
 Ion Ratio Lower Upper
 146 100
 111 48.3 21.0 63.0
 148 66.7 31.8 95.3

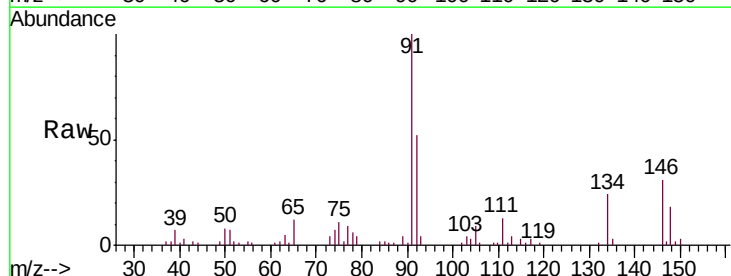


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

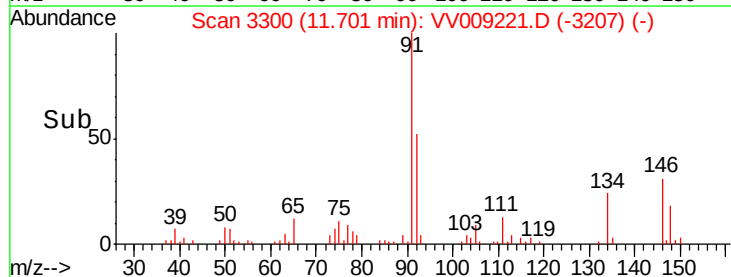
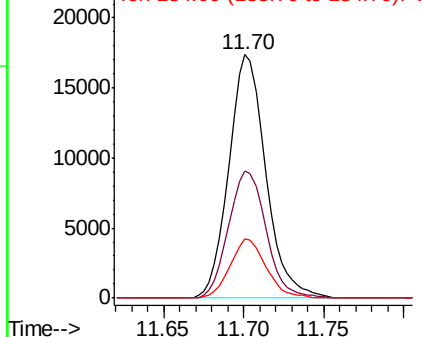


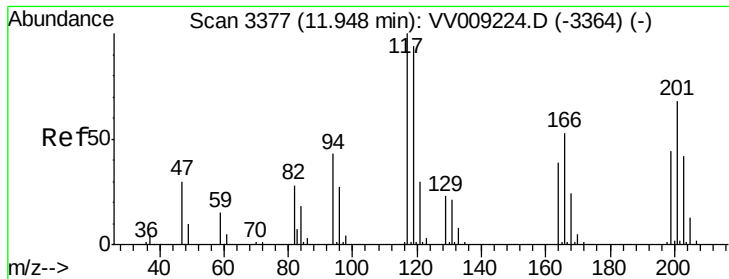
#89
 n-Butylbenzene
 Concen: 5.693 ug/l
 RT: 11.70 min Scan# 3300
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 91 Resp: 27344
 Ion Ratio Lower Upper
 91 100
 92 53.2 26.8 80.3
 134 23.5 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
 Ion 92.00 (91.70 to 92.70): VV0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 5.002 ug/l

RT: 11.95 min Scan# 3377

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

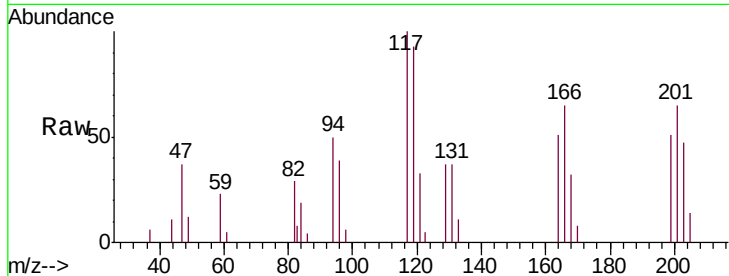
VSTDIC005

Tgt Ion:117 Resp: 4489

Ion Ratio Lower Upper

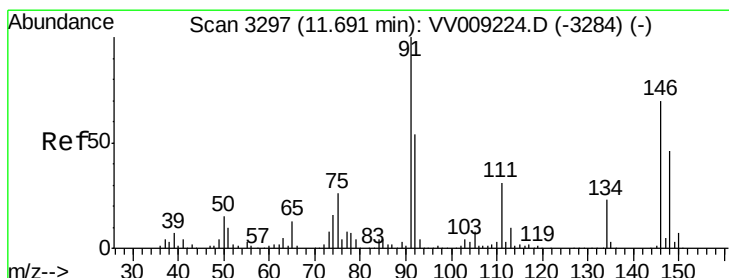
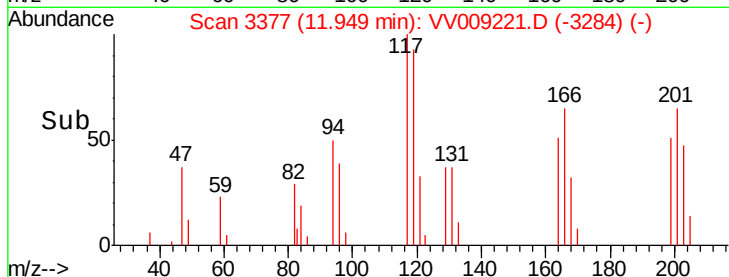
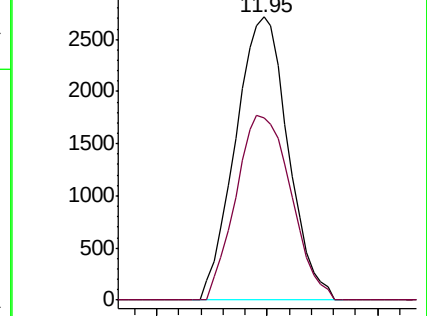
117 100

201 68.3 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 5.809 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

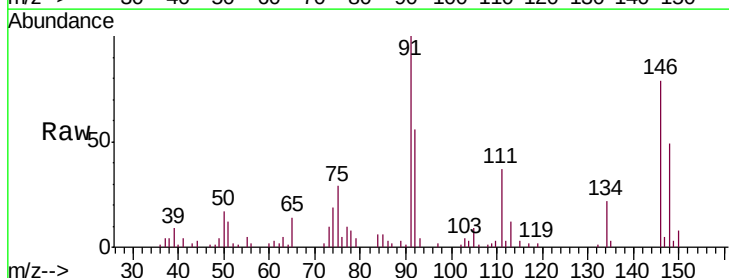
Tgt Ion:146 Resp: 12262

Ion Ratio Lower Upper

146 100

111 46.4 21.9 65.7

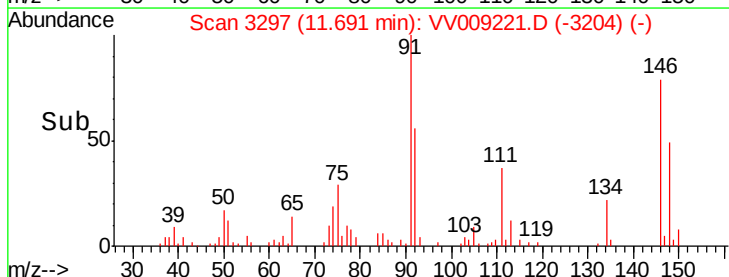
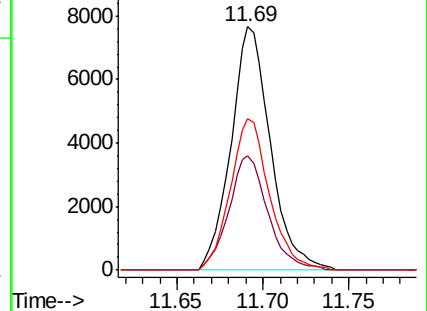
148 61.8 31.8 95.3

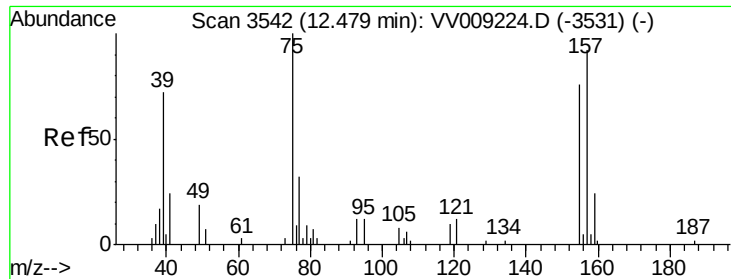


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

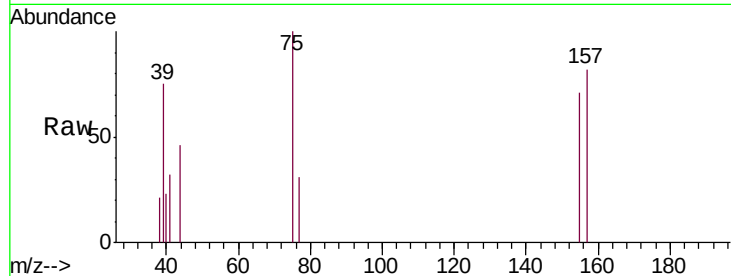




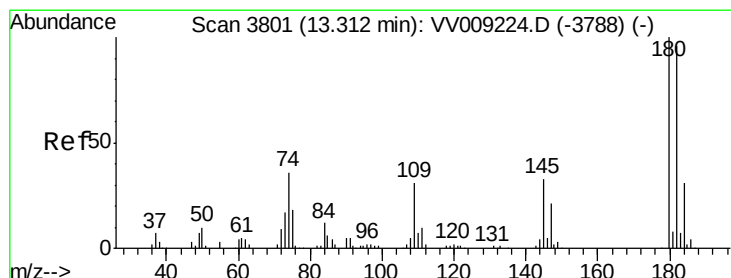
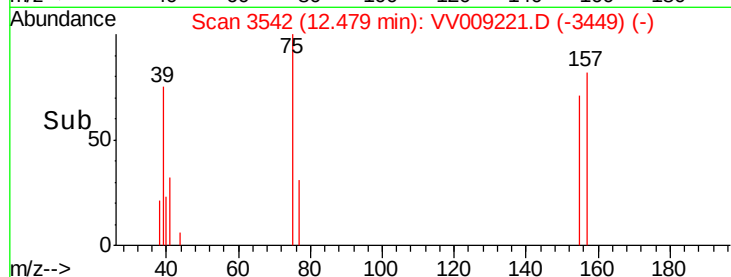
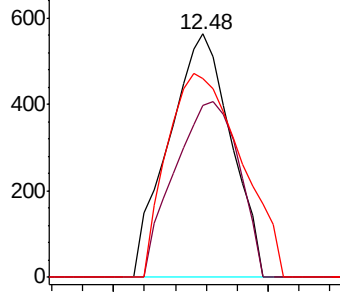
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.743 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 786
 Ion Ratio Lower Upper
 75 100
 155 75.1 36.4 109.1
 157 99.7 44.9 134.5

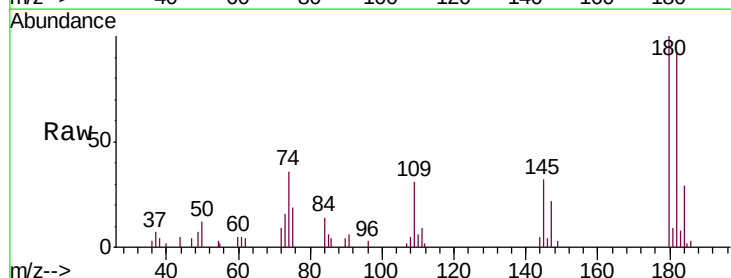


Abundance Ion 74.90 (74.60 to 75.60): VV009221.D (-3449) (-)
 Ion 154.80 (154.50 to 155.50): VV009221.D (-3449) (-)
 Ion 156.80 (156.50 to 157.50): VV009221.D (-3449) (-)

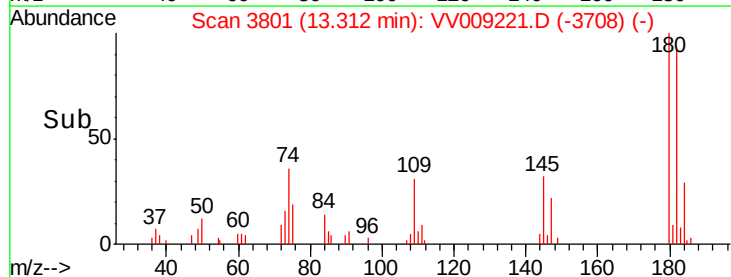
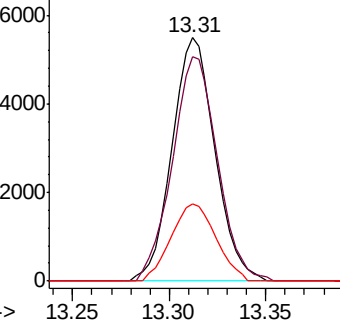


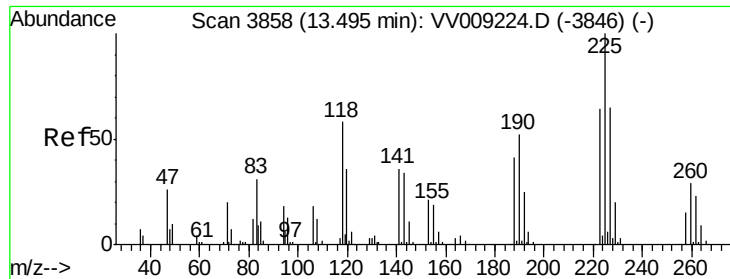
#93
 1,2,4-Trichlorobenzene
 Concen: 6.045 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Tgt Ion: 180 Resp: 8489
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.8 143.3
 145 33.1 16.7 50.0



Abundance Ion 179.80 (179.50 to 180.50): VV009221.D (-3708) (-)
 Ion 181.80 (181.50 to 182.50): VV009221.D (-3708) (-)
 Ion 144.80 (144.50 to 145.50): VV009221.D (-3708) (-)





#94

Hexachlorobutadiene

Concen: 6.138 ug/l

RT: 13.50 min Scan# 3858

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

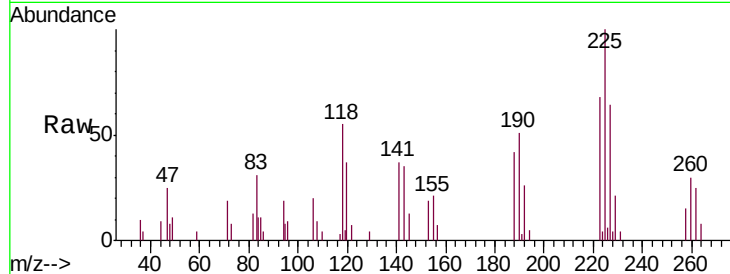
Tgt Ion:225 Resp: 4935

Ion Ratio Lower Upper

225 100

223 67.4 31.5 94.5

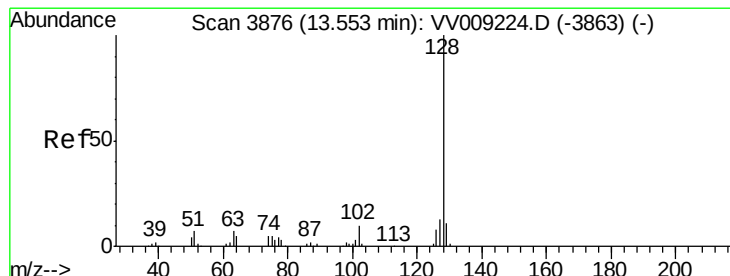
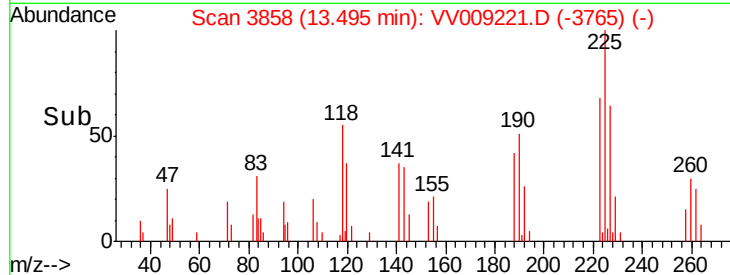
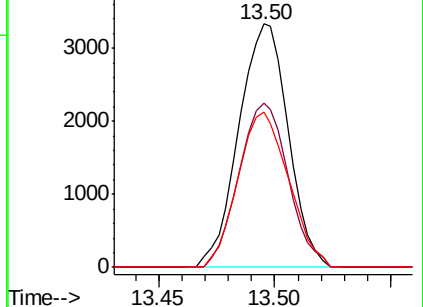
227 65.6 32.1 96.3



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: 5.742 ug/l

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009221.D

Acq: 18 Jan 2019 15:33

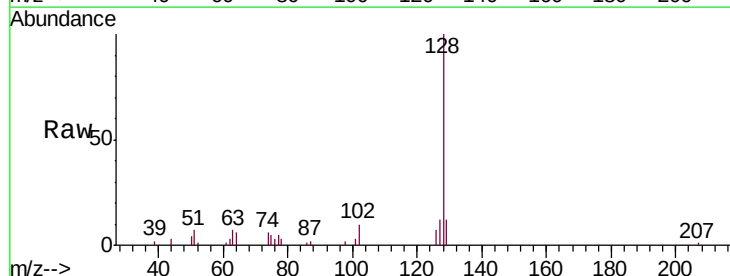
Tgt Ion:128 Resp: 14526

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

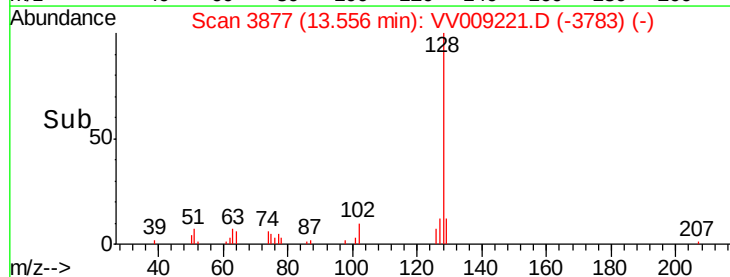
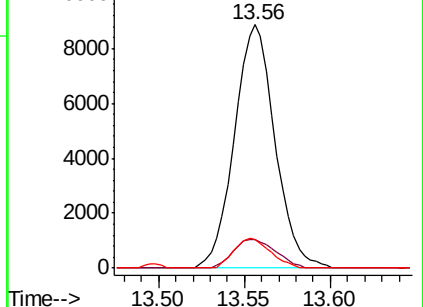
129 11.0 8.6 13.0

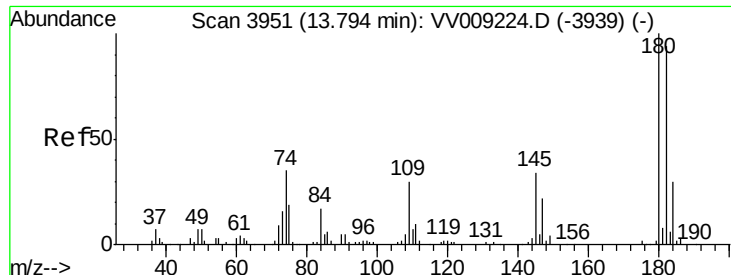


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 5.833 ug/l
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009221.D
 Acq: 18 Jan 2019 15:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 7221
 Ion Ratio Lower Upper
 180 100
 182 97.8 46.7 140.1
 145 35.1 17.0 51.0

