

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024499.D
 Acq On : 13 Jun 2018 11:33
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Jun 13 13:04:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	4093	1.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.06%	
35) Dibromofluoromethane	4.89	113	3255	1.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.12%	
50) Toluene-d8	7.57	98	9753	0.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.70%	
62) 4-Bromofluorobenzene	10.32	95	4030	0.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	2932	0.97	ug/l	96
3) Chloromethane	1.33	50	3207	0.91	ug/l	95
4) Vinyl Chloride	1.40	62	2986	0.76	ug/l #	82
5) Bromomethane	1.63	94	1307	0.60	ug/l	92
6) Chloroethane	1.70	64	2795	1.05	ug/l #	88
7) Trichlorofluoromethane	1.89	101	4810	0.90	ug/l	92
8) Diethyl Ether	2.10	74	2174	1.02	ug/l	58
9) 1,1,2-Trichlorotrifluoroet	2.29	101	3170	1.06	ug/l #	84
11) Tert butyl alcohol	2.83	59	6299	8.36	ug/l #	80
12) 1,1-Dichloroethene	2.29	96	2342	0.84	ug/l	95
13) Acrolein	2.20	56	2403	3.06	ug/l #	39
14) Allyl chloride	2.59	41	4449	0.94	ug/l	99
15) Acrylonitrile	2.94	53	7568	3.76	ug/l	95
16) Acetone	2.32	43	10620	4.19	ug/l	94
17) Carbon Disulfide	2.48	76	8119	0.95	ug/l	99
18) Methyl Acetate	2.62	43	4382	0.87	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	9575	1.09	ug/l	97
20) Methylene Chloride	2.71	84	3554	1.02	ug/l	89
21) trans-1,2-Dichloroethene	2.99	96	2911	0.97	ug/l	93
22) Diisopropyl ether	3.58	45	9103	0.95	ug/l #	85
23) Vinyl Acetate	3.53	43	39997	5.71	ug/l	96
24) 1,1-Dichloroethane	3.45	63	5318	0.89	ug/l #	94
25) 2-Butanone	4.27	43	11660	3.85	ug/l	93
26) 2,2-Dichloropropane	4.23	77	5399	1.19	ug/l	82
28) Bromochloromethane	4.55	49	2011	0.92	ug/l #	80
29) Tetrahydrofuran	4.64	42	8191	4.74	ug/l	94
30) Chloroform	4.68	83	5535	0.92	ug/l	88
31) Cyclohexane	5.00	56	9141	1.54	ug/l #	57
32) 1,1,1-Trichloroethane	4.91	97	5326	1.09	ug/l	93
36) 1,1-Dichloropropene	5.14	75	4062	0.95	ug/l #	73
37) Ethyl Acetate	4.40	43	3366	0.70	ug/l #	93
38) Carbon Tetrachloride	5.13	117	4282	1.05	ug/l	91
39) Methylcyclohexane	6.42	83	5442	1.18	ug/l	97
40) Benzene	5.40	78	11206	0.87	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.55	41	846	0.32	ug/l #	1
42) 1,2-Dichloroethane	5.41	62	4359	0.88	ug/l	84
43) Isopropyl Acetate	5.56	43	7451	1.02	ug/l #	89
44) Trichloroethene	6.20	130	3452	1.03	ug/l	78
45) 1,2-Dichloropropane	6.44	63	2925	0.85	ug/l	94
46) Dibromomethane	6.57	93	1939	0.85	ug/l	97
47) Bromodichloromethane	6.76	83	4016	0.91	ug/l #	95
48) Methyl methacrylate	6.63	41	3454	0.97	ug/l #	83
49) 1,4-Dioxane	6.63	88	1414	18.75	ug/l #	64
51) 4-Methyl-2-Pentanone	7.46	43	21678	4.12	ug/l	96
52) Toluene	7.65	92	7458	0.98	ug/l	96
53) t-1,3-Dichloropropene	7.89	75	4290	0.93	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	5108	1.02	ug/l	95
55) 1,1,2-Trichloroethane	8.08	97	3335	1.02	ug/l #	91
56) Ethyl methacrylate	8.02	69	4786	1.12	ug/l	96
57) 1,3-Dichloropropane	8.25	76	5028	0.89	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.14	63	8668	3.95	ug/l	99
59) 2-Hexanone	8.37	43	17971	4.27	ug/l	91
60) Dibromochloromethane	8.48	129	4096	1.23	ug/l	92
61) 1,2-Dibromoethane	8.59	107	3373	0.98	ug/l	97
64) Tetrachloroethene	8.23	164	2965	1.08	ug/l #	90
65) Chlorobenzene	9.12	112	8032	1.00	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.21	131	3059	1.10	ug/l	85
67) Ethyl Benzene	9.26	91	14453	1.11	ug/l	90
68) m/p-Xylenes	9.38	106	10822	2.18	ug/l	97
69) o-Xylene	9.79	106	5312	1.16	ug/l	96
70) Styrene	9.80	104	8522	1.10	ug/l	95
71) Bromoform	9.97	173	2835	1.19	ug/l #	95
73) Isopropylbenzene	10.17	105	14125	1.32	ug/l	97
74) N-amyl acetate	10.02	43	6422	1.32	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	10.46	83	4967	1.07	ug/l	90
76) 1,2,3-Trichloropropane	10.50	75	3427	1.05	ug/l	84
77) Bromobenzene	10.46	156	3528	1.19	ug/l	95
78) n-propylbenzene	10.59	91	16077	1.21	ug/l	94
79) 2-Chlorotoluene	10.67	91	10098	1.25	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	12626	1.39	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.50	75	3427	2.23	ug/l #	100
82) 4-Chlorotoluene	10.78	91	11274	1.21	ug/l	99
83) tert-Butylbenzene	11.10	119	11739	1.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	12165	1.33	ug/l	97
85) sec-Butylbenzene	11.33	105	14275	1.29	ug/l	94
86) p-Isopropyltoluene	11.48	119	13209	1.35	ug/l	92
87) 1,3-Dichlorobenzene	11.43	146	6367	1.12	ug/l	98
88) 1,4-Dichlorobenzene	11.43	146	6367	1.07	ug/l	97
89) n-Butylbenzene	11.90	91	10695	1.11	ug/l	96
90) Hexachloroethane	12.15	117	2720	1.55	ug/l	81
91) 1,2-Dichlorobenzene	11.89	146	6658	1.17	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1177	1.24	ug/l	83
93) 1,2,4-Trichlorobenzene	13.52	180	2732	0.81	ug/l	98
94) Hexachlorobutadiene	13.70	225	2145	1.07	ug/l	93

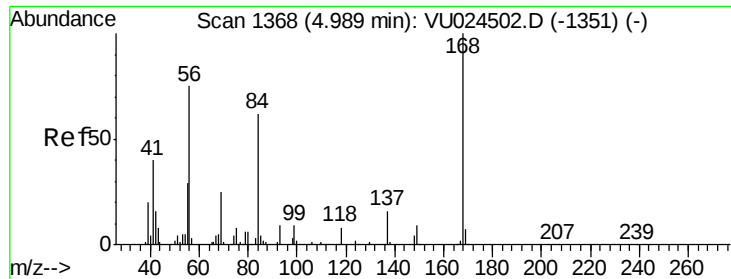
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:03:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.76	128	6956	0.76	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.00	180	2694	0.79	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

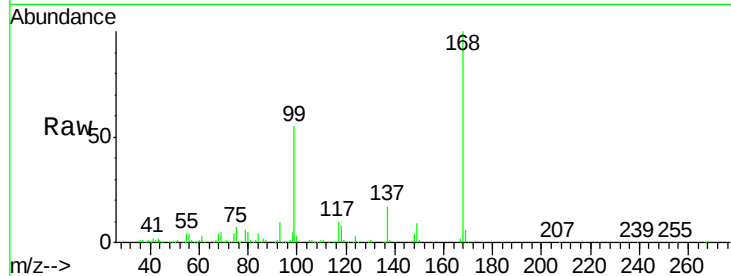
VSTDIC001

Tgt Ion:168 Resp: 200290

Ion Ratio Lower Upper

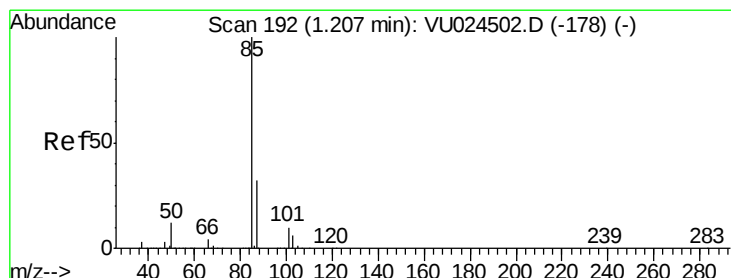
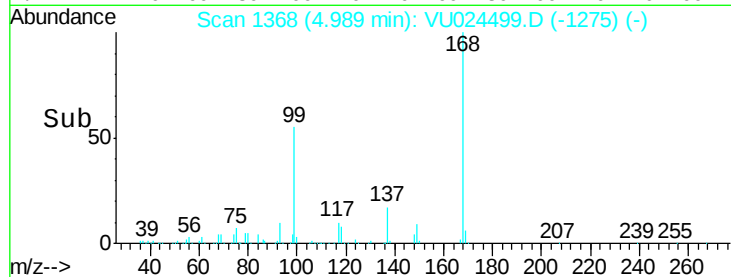
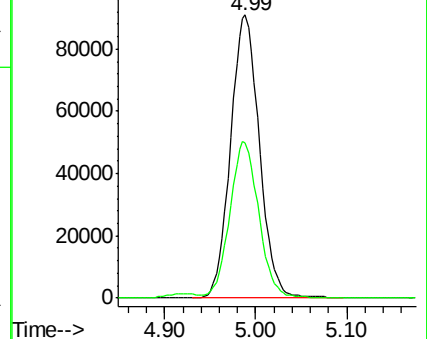
168 100

99 54.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 0.97 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024499.D

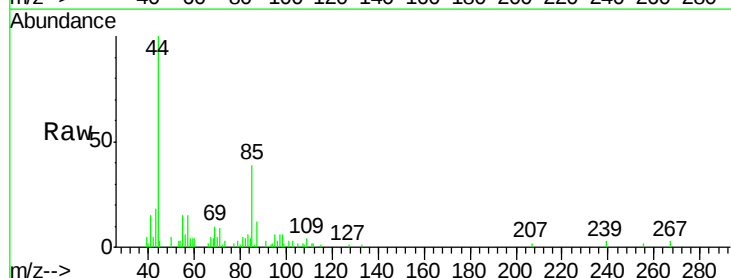
Acq: 13 Jun 2018 11:33

Tgt Ion: 85 Resp: 2932

Ion Ratio Lower Upper

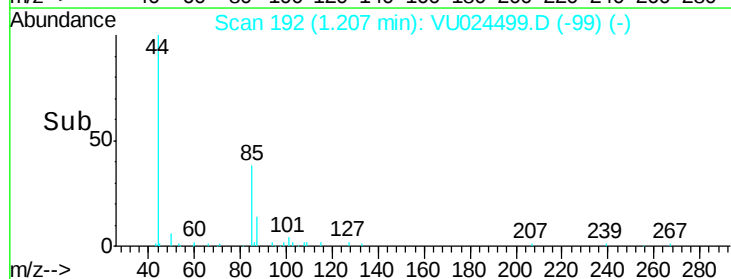
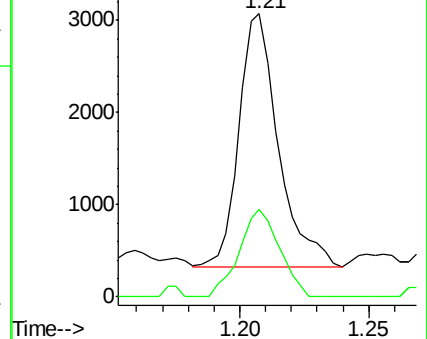
85 100

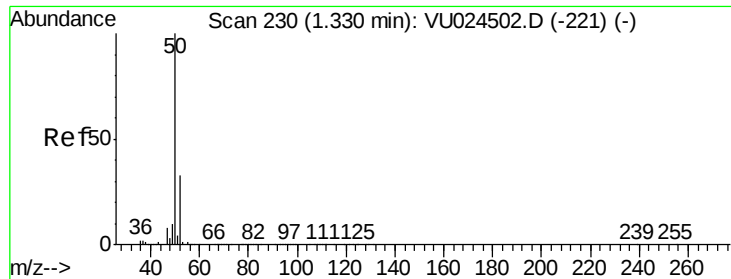
87 34.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 0.91 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

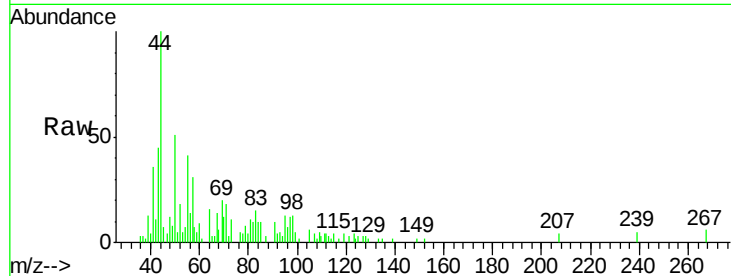
VSTDIC001

Tgt Ion: 50 Resp: 3207

Ion Ratio Lower Upper

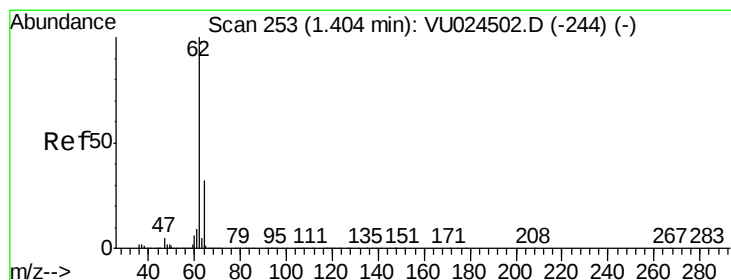
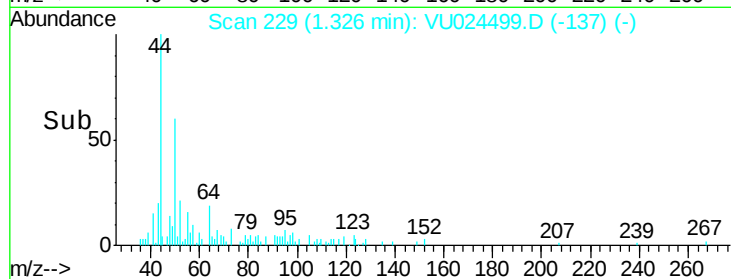
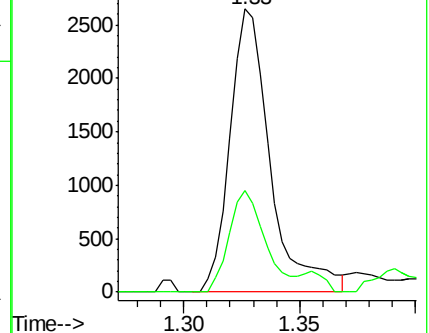
50 100

52 35.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 0.76 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024499.D

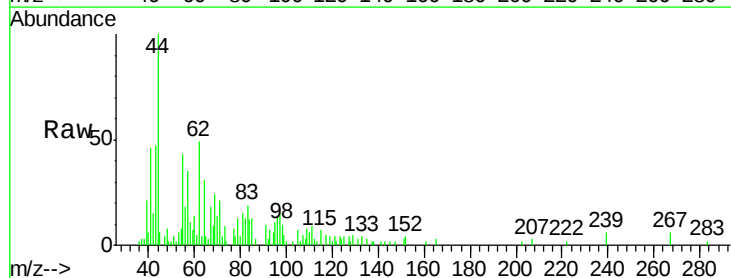
Acq: 13 Jun 2018 11:33

Tgt Ion: 62 Resp: 2986

Ion Ratio Lower Upper

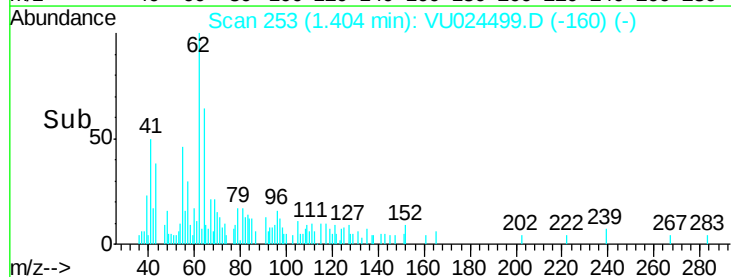
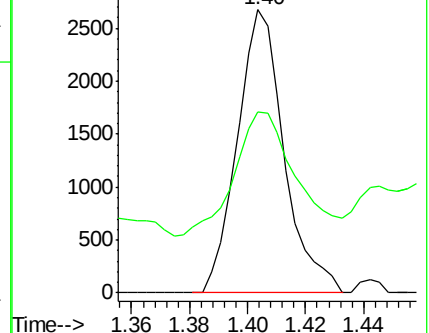
62 100

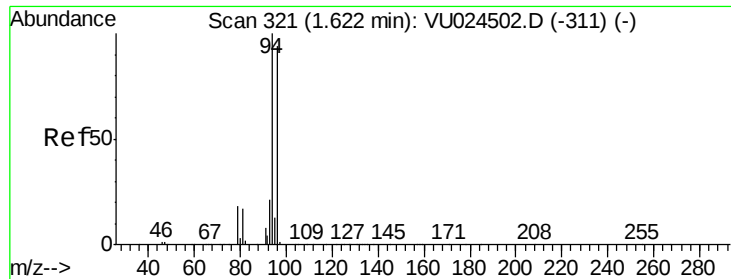
64 40.7 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 0.60 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

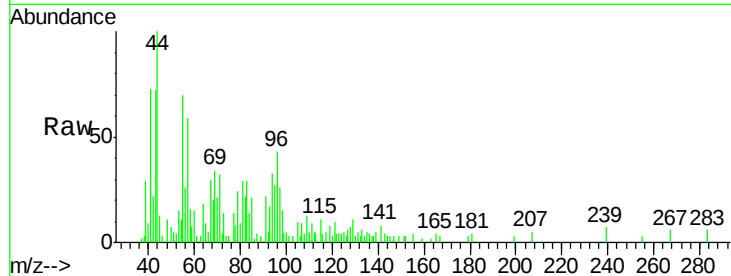
VSTDIC001

Tgt Ion: 94 Resp: 1307

Ion Ratio Lower Upper

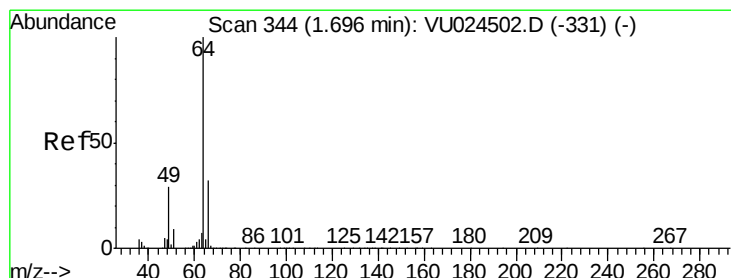
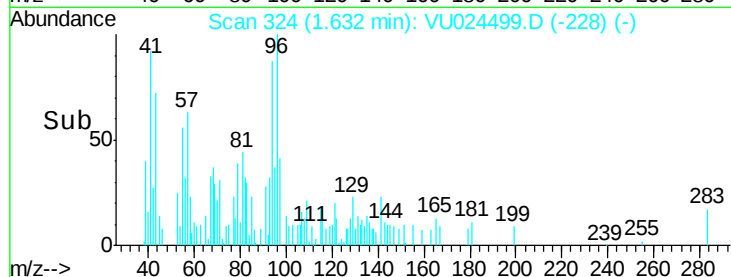
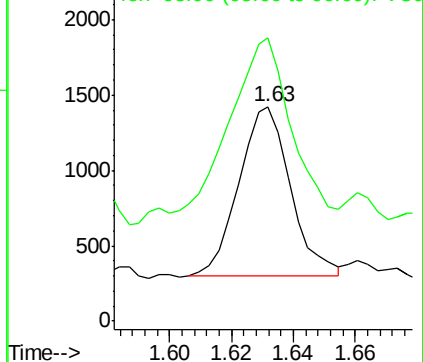
94 100

96 100.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.05 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024499.D

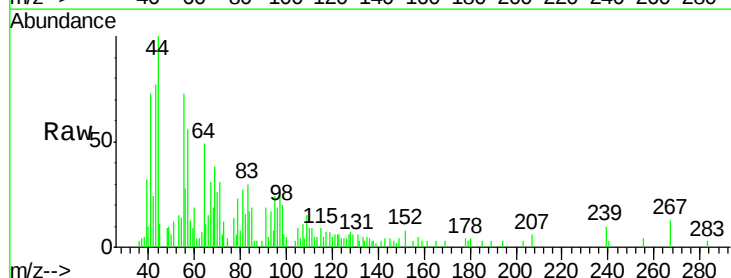
Acq: 13 Jun 2018 11:33

Tgt Ion: 64 Resp: 2795

Ion Ratio Lower Upper

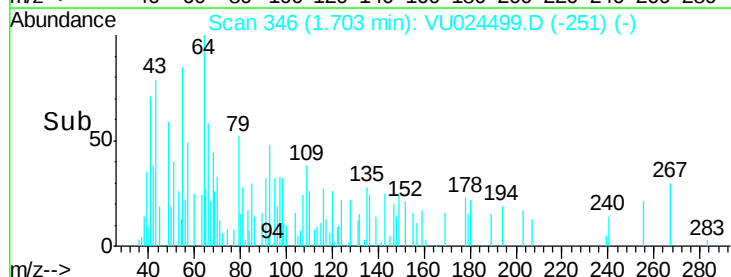
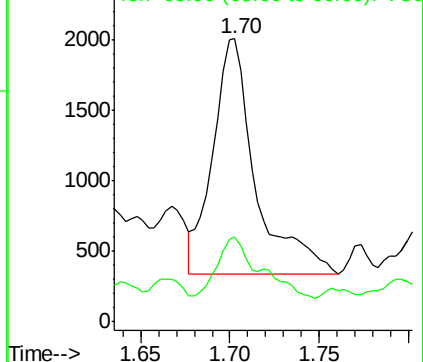
64 100

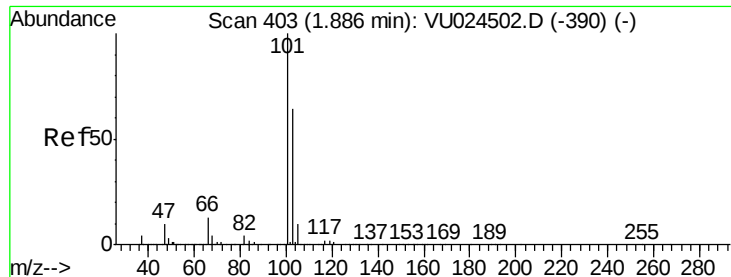
66 25.1 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 0.90 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

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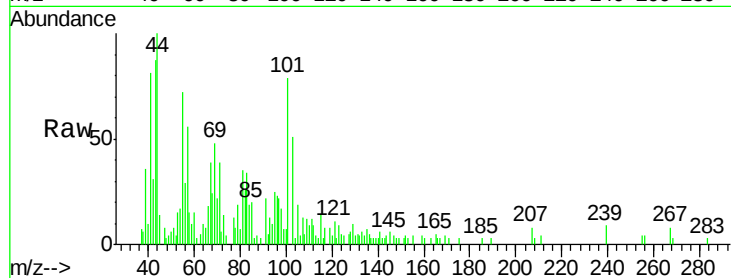
VSTDIC001

Tgt Ion:101 Resp: 4810

Ion Ratio Lower Upper

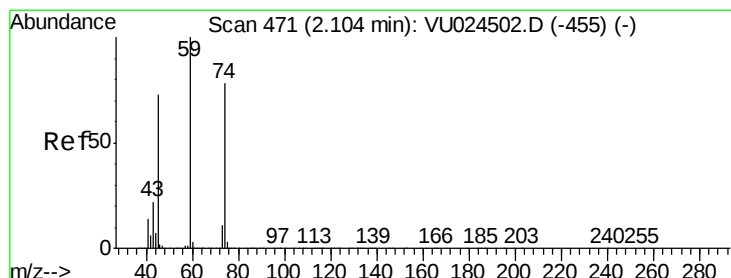
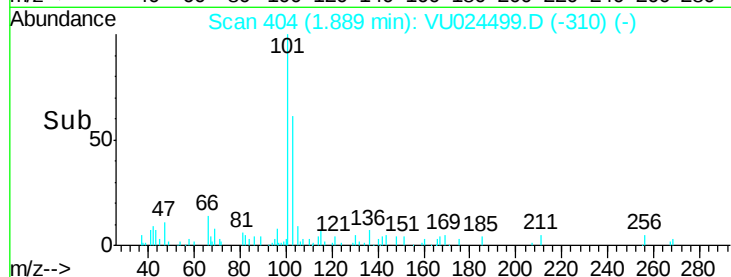
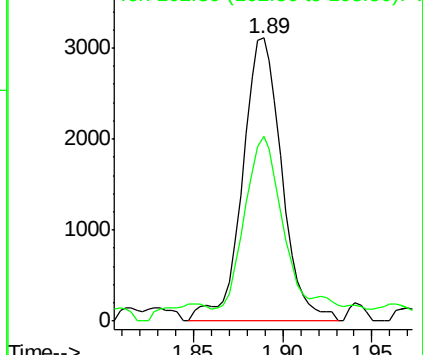
101 100

103 59.4 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.02 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024499.D

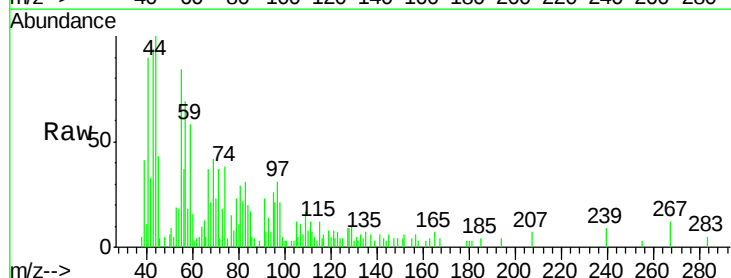
Acq: 13 Jun 2018 11:33

Tgt Ion: 74 Resp: 2174

Ion Ratio Lower Upper

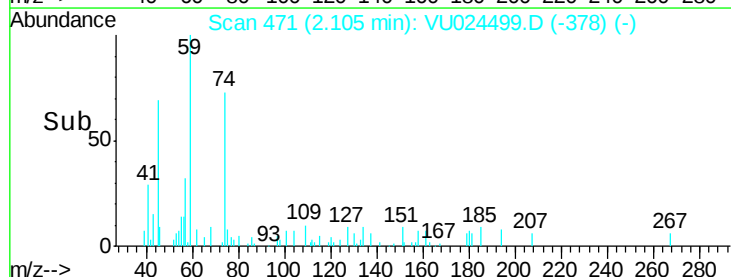
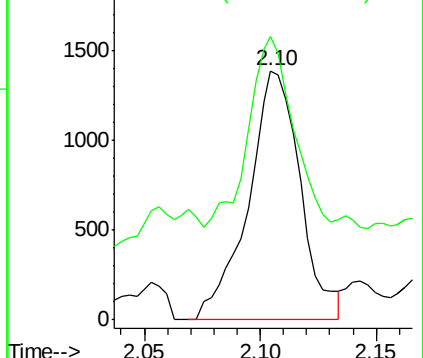
74 100

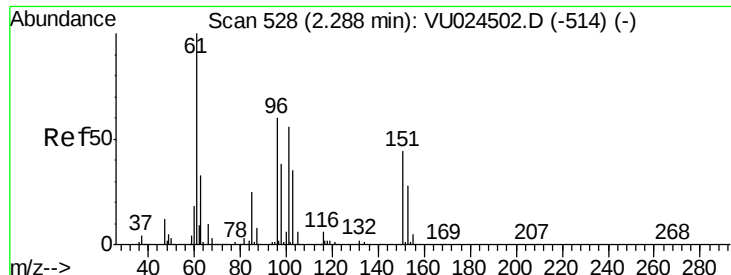
45 65.4 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.06 ug/l

RT: 2.29 min Scan# 530

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

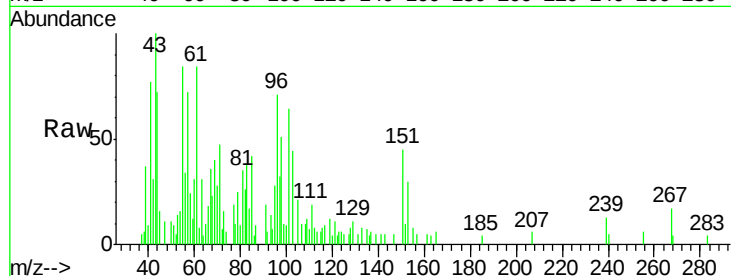
Tgt Ion:101 Resp: 3170

Ion Ratio Lower Upper

101 100

85 30.4 36.0 54.0#

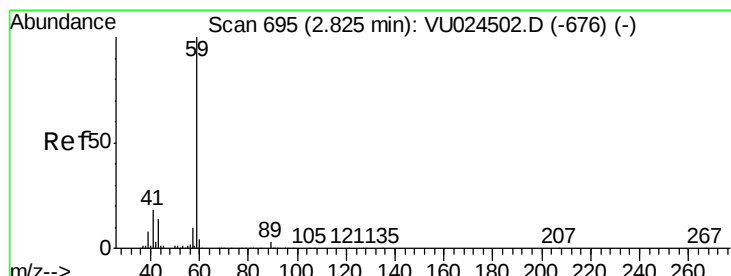
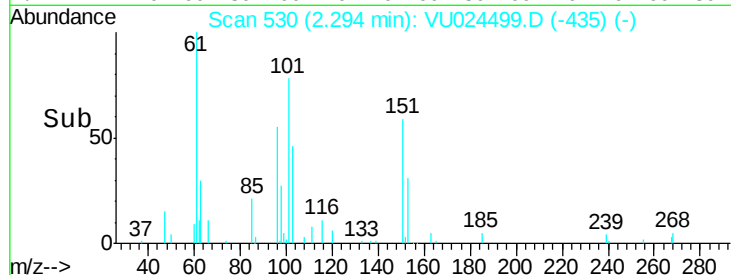
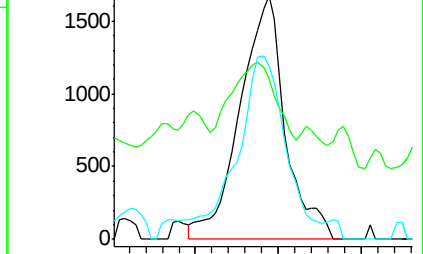
151 66.7 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 8.36 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU024499.D

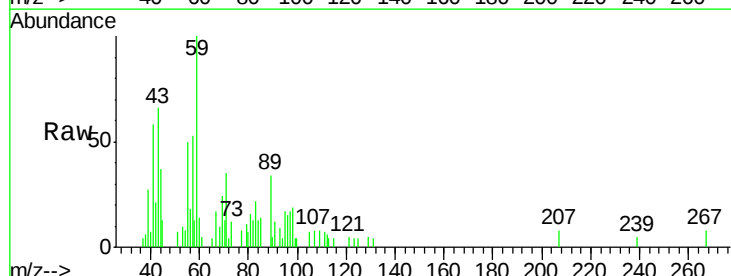
Acq: 13 Jun 2018 11:33

Tgt Ion: 59 Resp: 6299

Ion Ratio Lower Upper

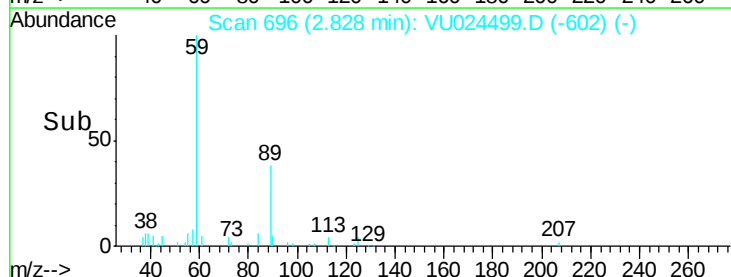
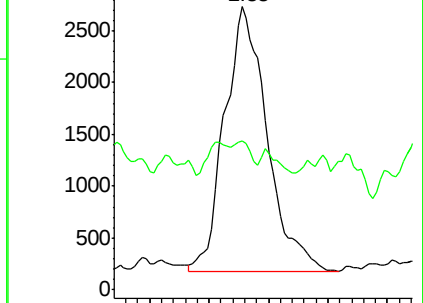
59 100

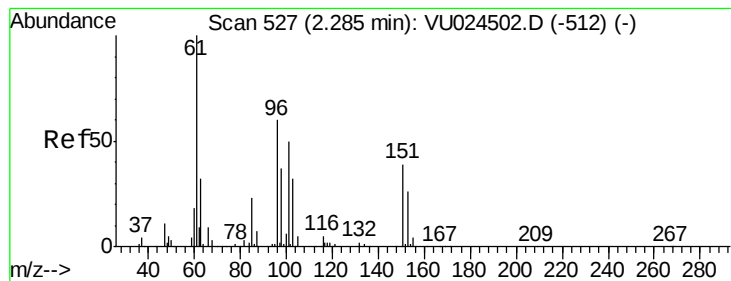
57 3.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#12

1,1-Dichloroethene

Concen: 0.84 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

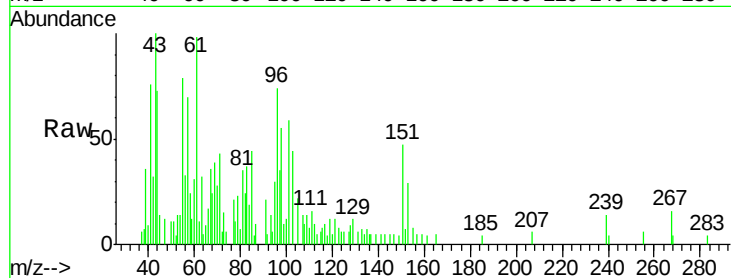
Tgt Ion: 96 Resp: 2342

Ion Ratio Lower Upper

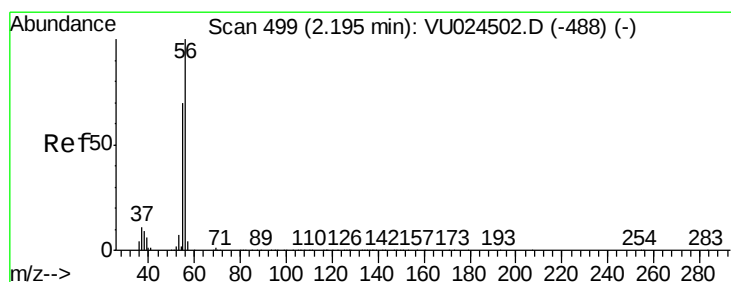
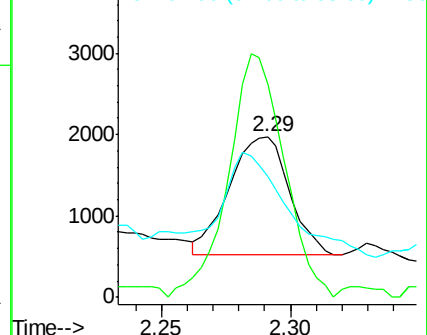
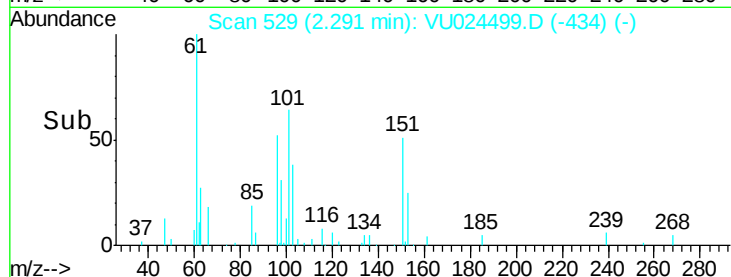
96 100

61 173.1 141.7 212.5

98 54.4 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU024499.D (-434) (-)



#13

Acrolein

Concen: 3.06 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024499.D

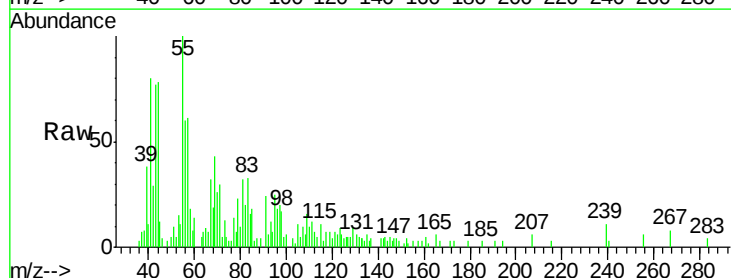
Acq: 13 Jun 2018 11:33

Tgt Ion: 56 Resp: 2403

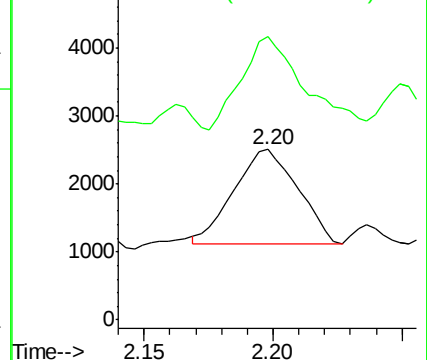
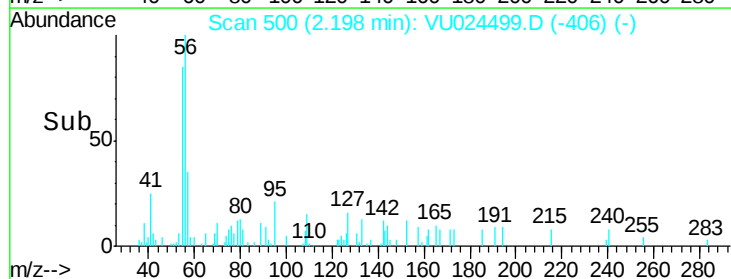
Ion Ratio Lower Upper

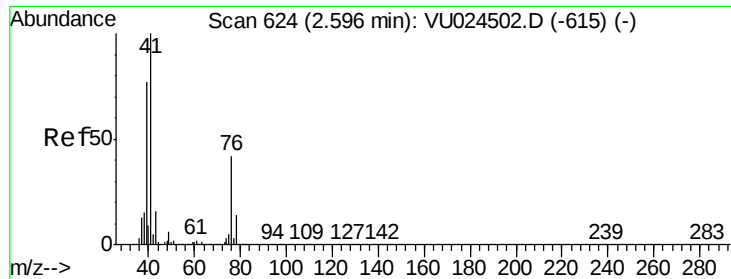
56 100

55 124.6 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU024499.D (-406) (-)

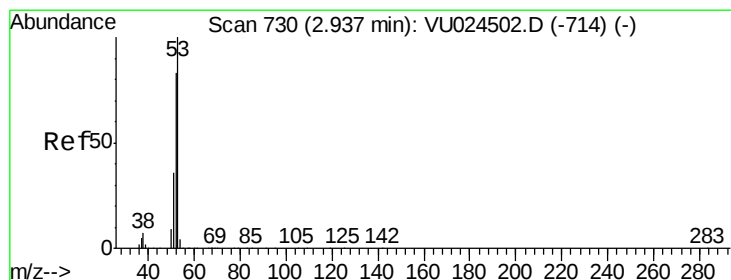
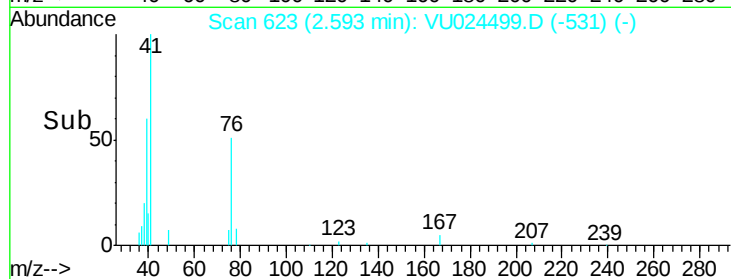
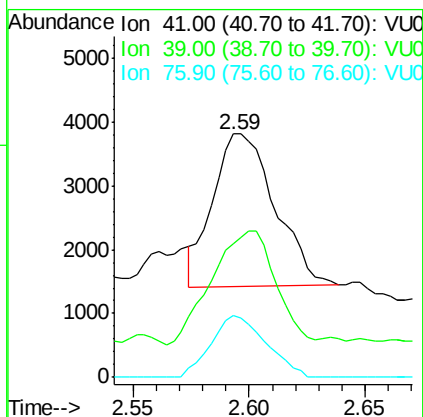
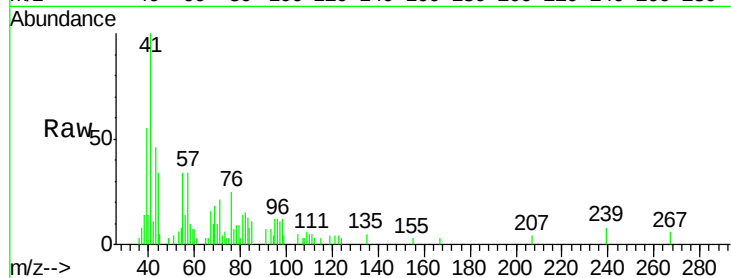




#14
 Allyl chloride
 Concen: 0.94 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

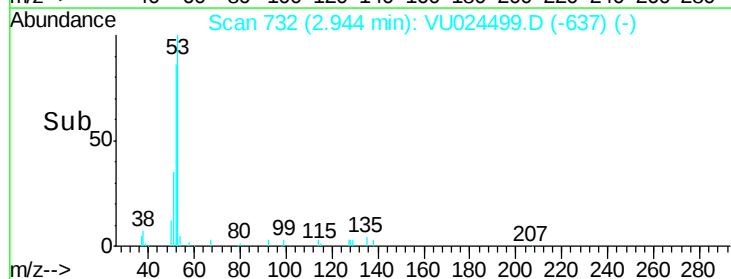
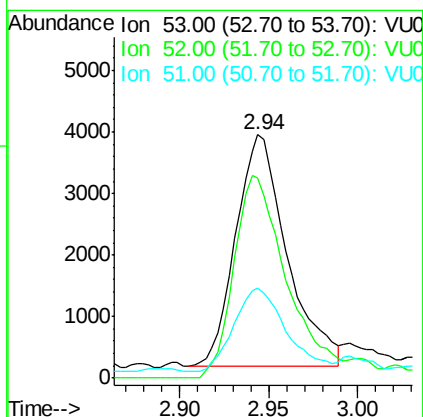
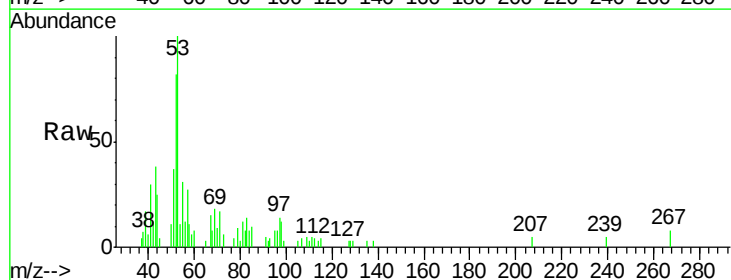
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

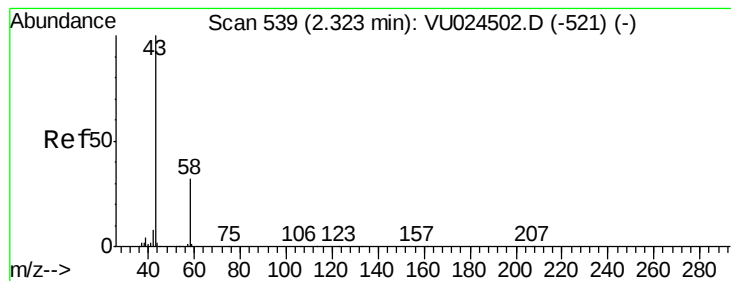
Tgt Ion: 41 Resp: 4449
 Ion Ratio Lower Upper
 41 100
 39 76.3 61.6 92.4
 76 35.7 29.7 44.5



#15
 Acrylonitrile
 Concen: 3.76 ug/l
 RT: 2.94 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 53 Resp: 7568
 Ion Ratio Lower Upper
 53 100
 52 89.7 67.1 100.7
 51 37.4 28.4 42.6





#16

Acetone

Concen: 4.19 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

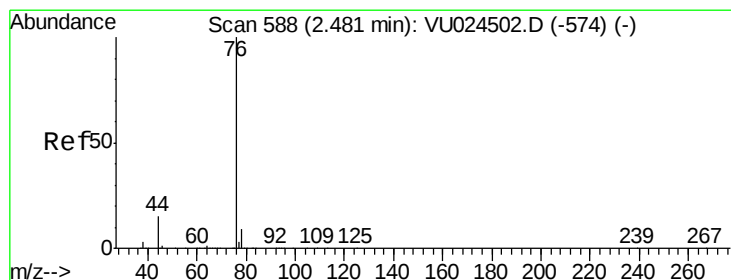
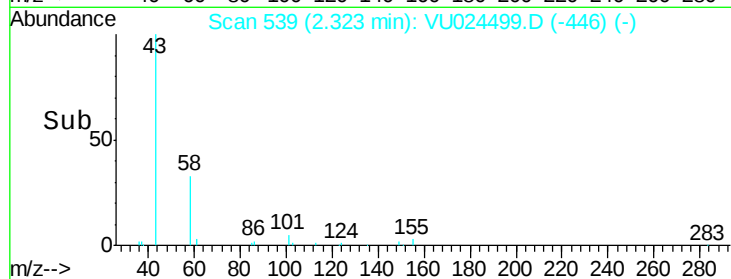
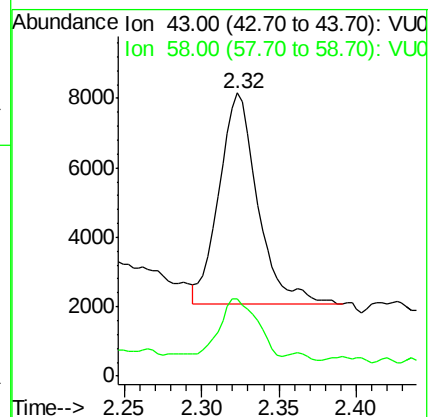
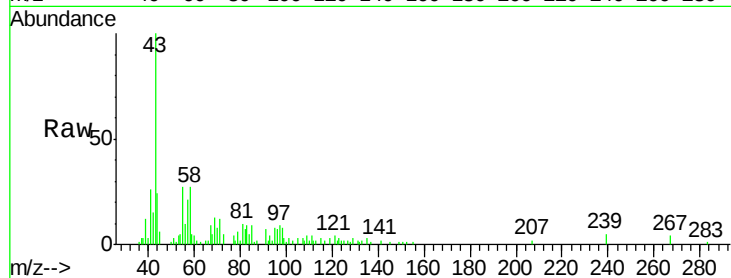
VSTDIC001

Tgt Ion: 43 Resp: 10620

Ion Ratio Lower Upper

43 100

58 27.4 24.4 36.6



#17

Carbon Disulfide

Concen: 0.95 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024499.D

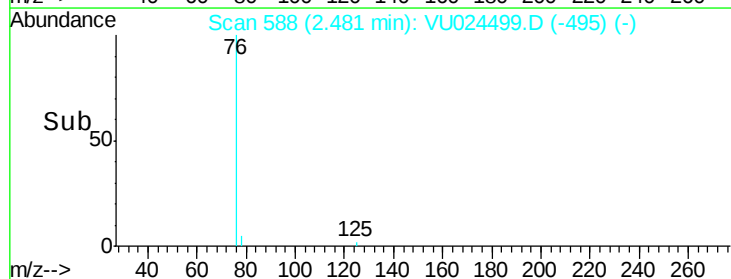
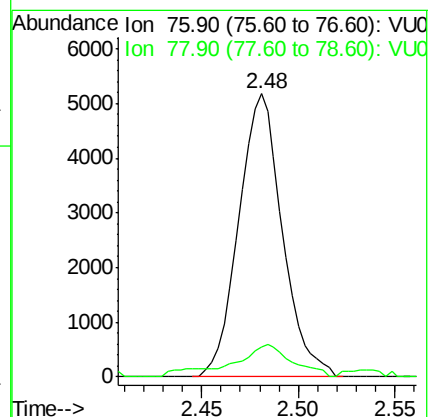
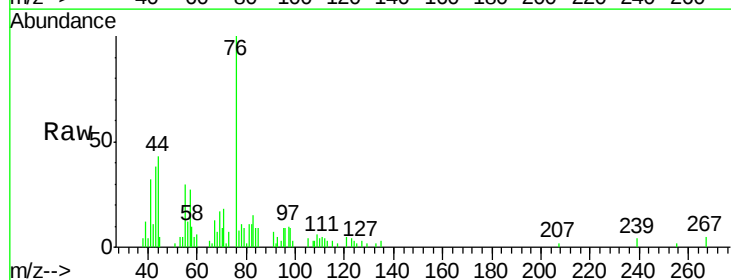
Acq: 13 Jun 2018 11:33

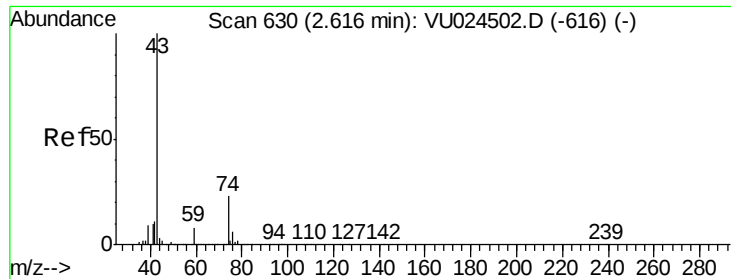
Tgt Ion: 76 Resp: 8119

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

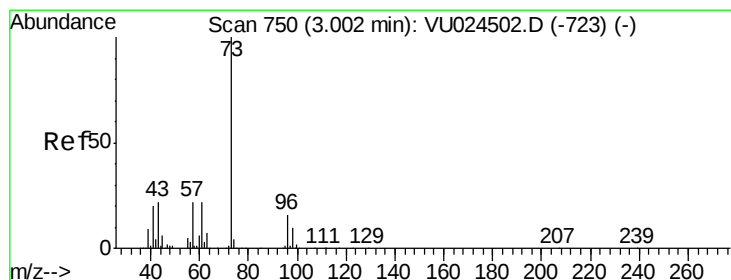
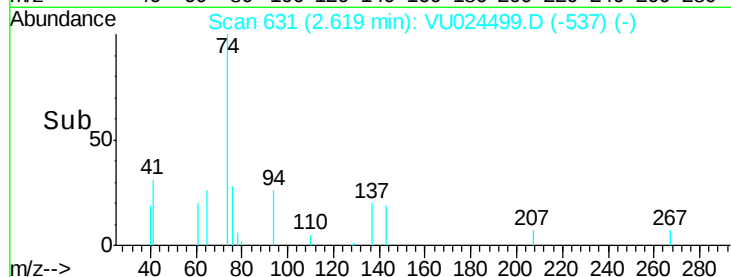
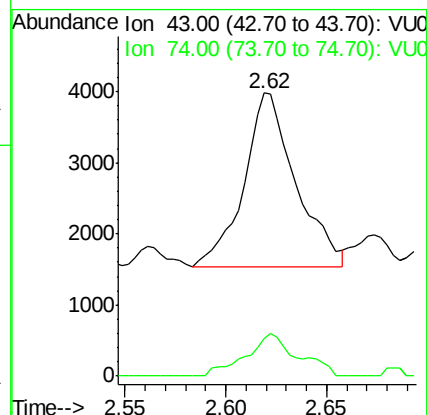
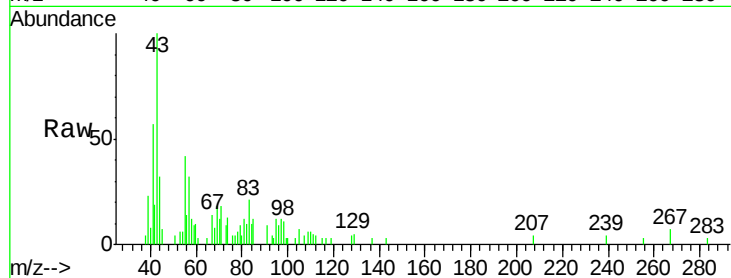




#18
Methyl Acetate
Concen: 0.87 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

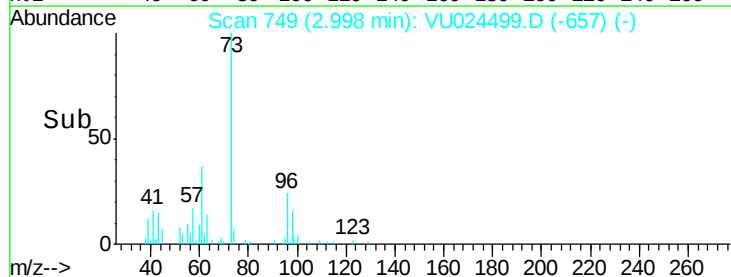
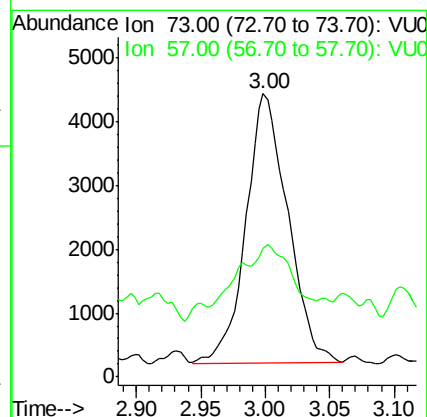
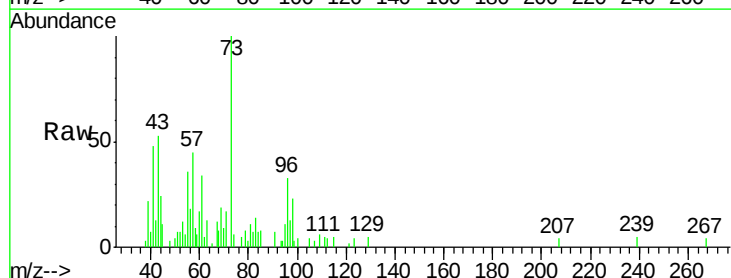
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

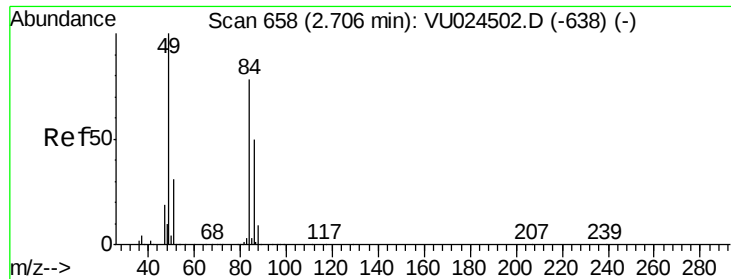
Tgt Ion: 43 Resp: 4382
Ion Ratio Lower Upper
43 100
74 24.1 18.0 27.0



#19
Methyl tert-butyl Ether
Concen: 1.09 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 73 Resp: 9575
Ion Ratio Lower Upper
73 100
57 22.3 18.8 28.2

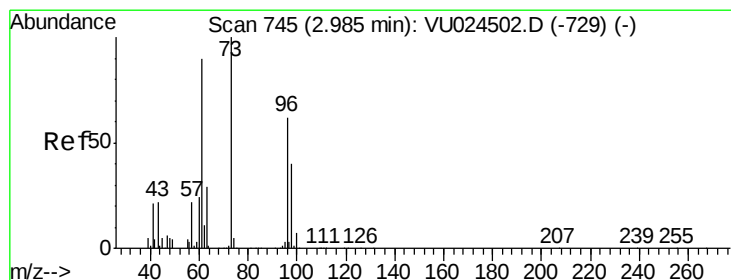
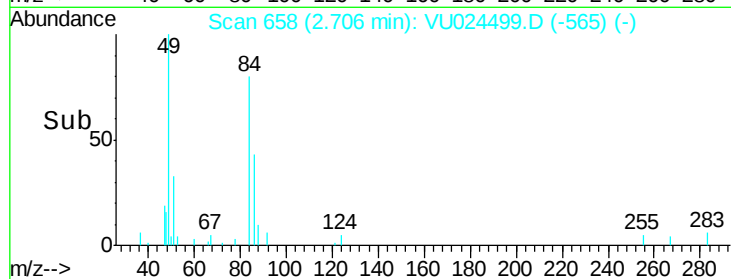
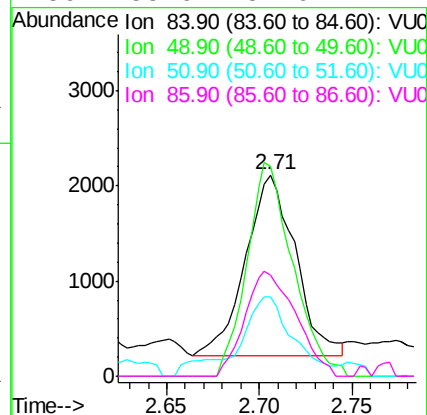
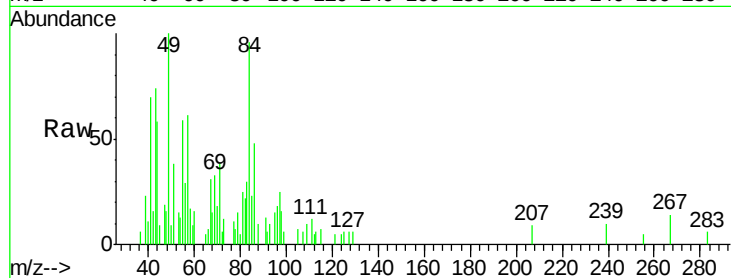




#20
Methylene Chloride
Concen: 1.02 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

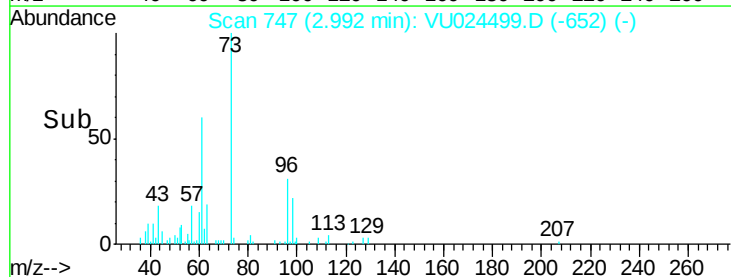
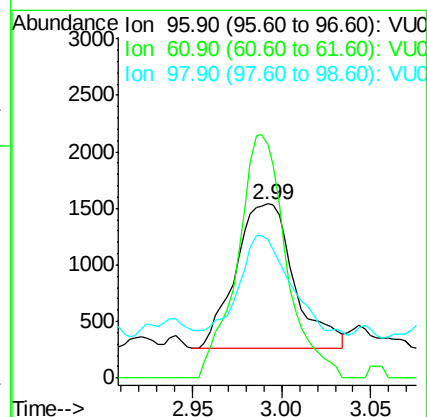
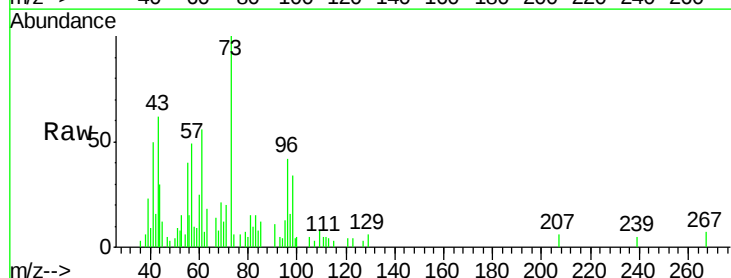
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

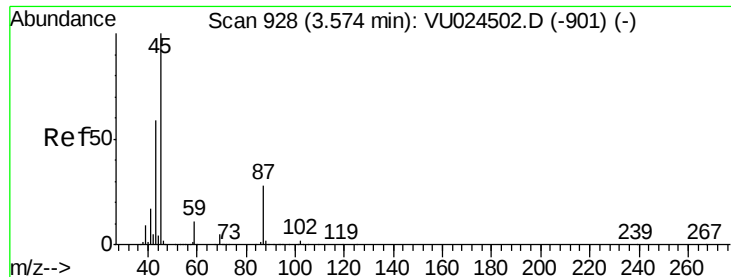
Tgt Ion:	84	Resp:	3554
Ion	Ratio	Lower	Upper
84	100		
49	115.8	103.8	155.8
51	37.0	32.0	48.0
86	55.6	51.6	77.4



#21
trans-1,2-Dichloroethene
Concen: 0.97 ug/l
RT: 2.99 min Scan# 747
Delta R.T. 0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion:	96	Resp:	2911
Ion	Ratio	Lower	Upper
96	100		
61	161.8	119.4	179.0
98	64.2	51.1	76.7

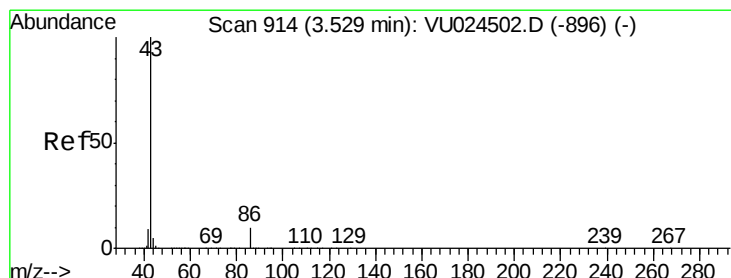
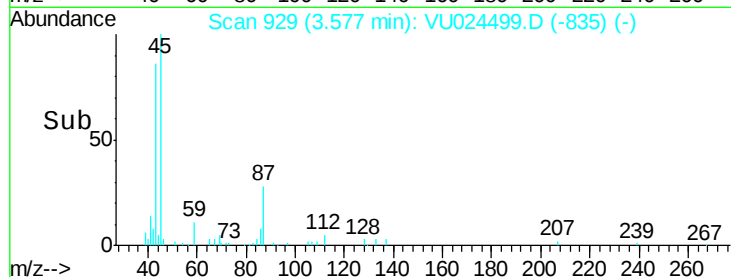
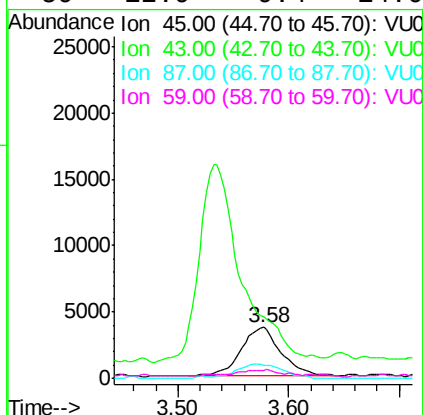
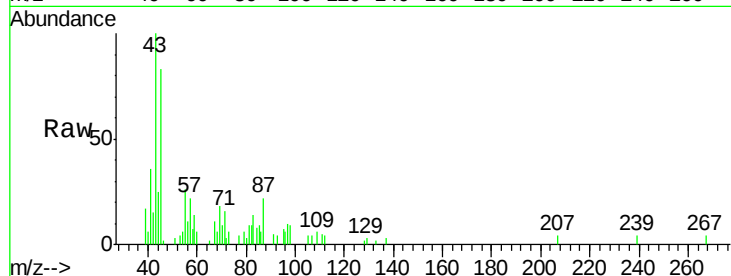




#22
Diisopropyl ether
Concen: 0.95 ug/l
RT: 3.58 min Scan# 929
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

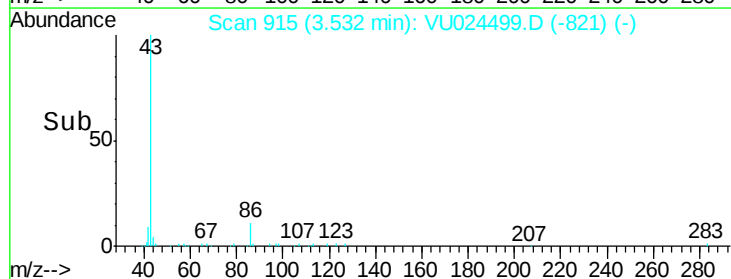
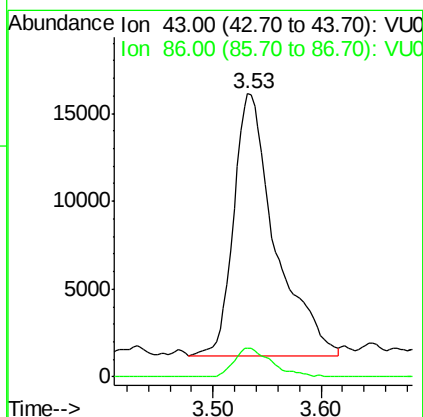
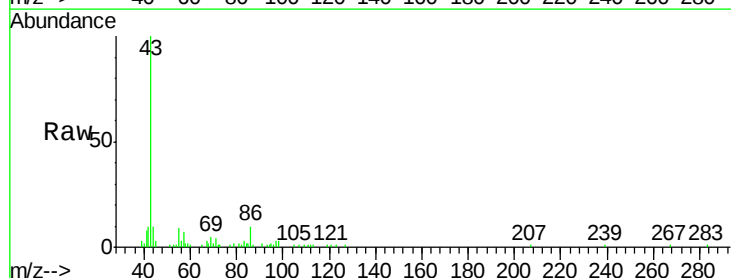
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

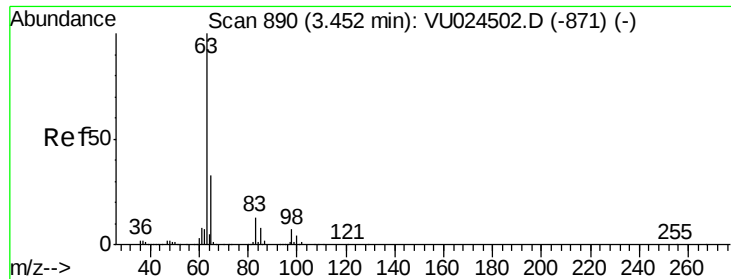
Tgt Ion:	45	Resp:	9103
Ion	Ratio	Lower	Upper
45	100		
43	74.2	45.8	68.6#
87	27.8	20.6	31.0
59	12.9	9.4	14.0



#23
Vinyl Acetate
Concen: 5.71 ug/l
RT: 3.53 min Scan# 915
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion:	43	Resp:	39997
Ion	Ratio	Lower	Upper
43	100		
86	11.2	7.8	11.8





#24

1,1-Dichloroethane

Concen: 0.89 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

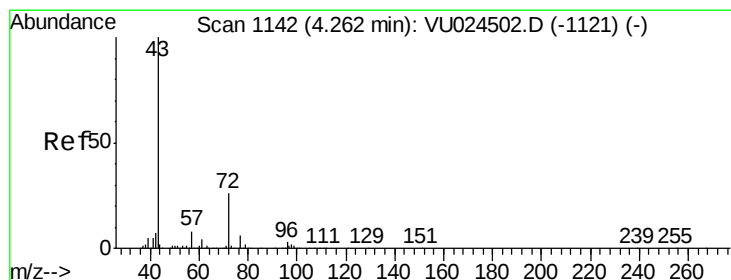
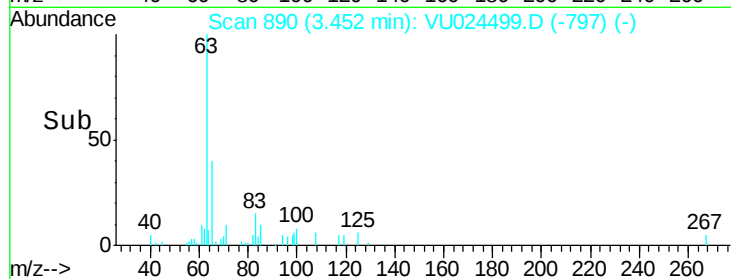
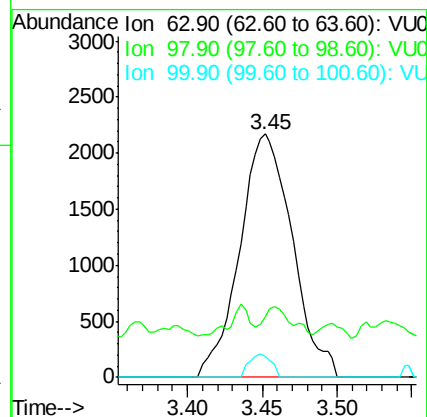
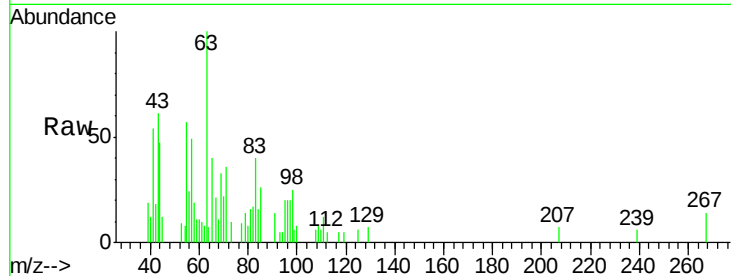
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:	63	Resp:	5318
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	8.5	1.8	5.5#



#25

2-Butanone

Concen: 3.85 ug/l

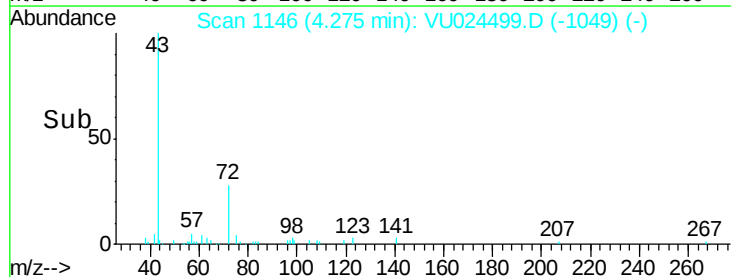
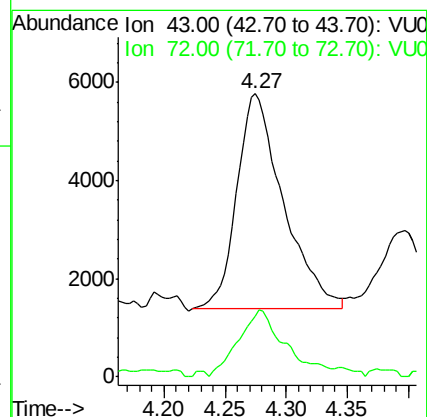
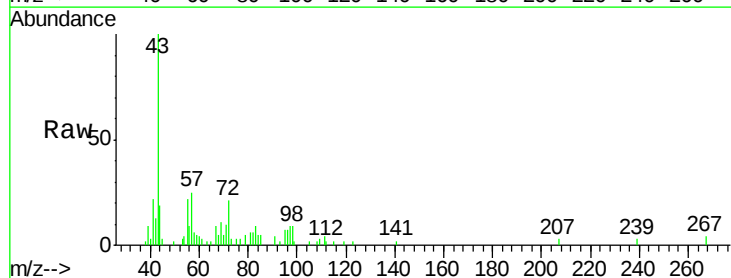
RT: 4.27 min Scan# 1146

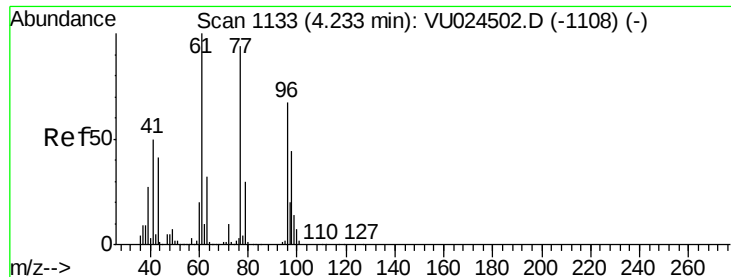
Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	43	Resp:	11660
Ion	Ratio	Lower	Upper
43	100		
72	28.1	19.6	29.4

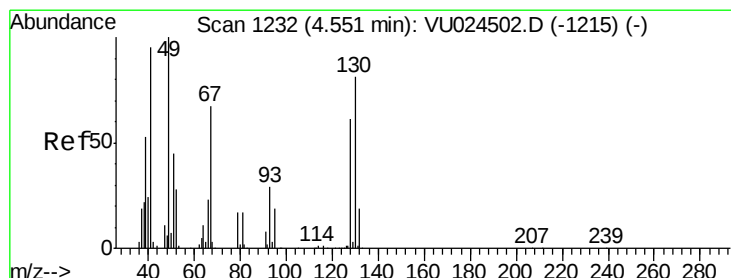
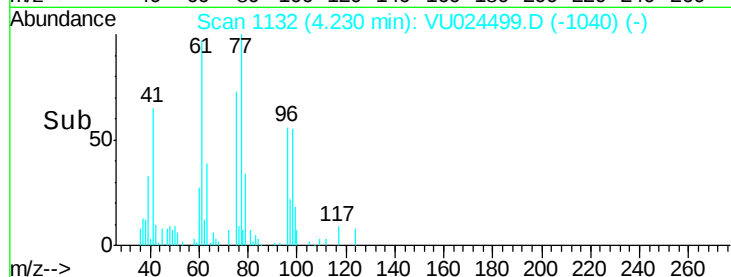
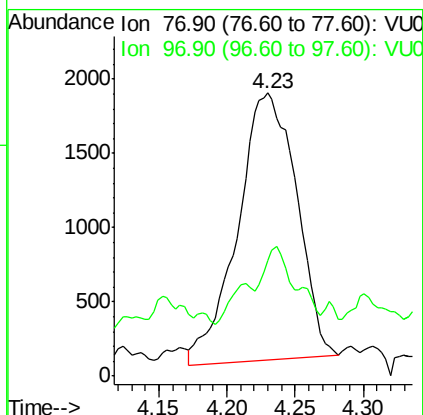
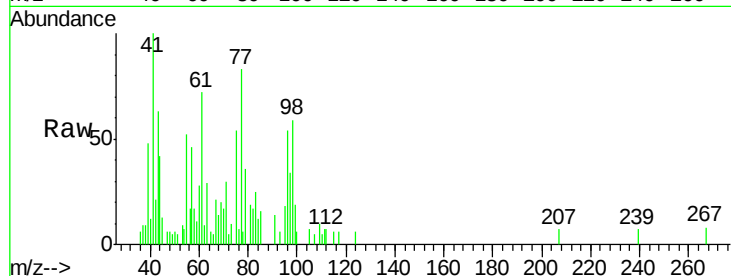




#26
 2,2-Dichloropropane
 Concen: 1.19 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

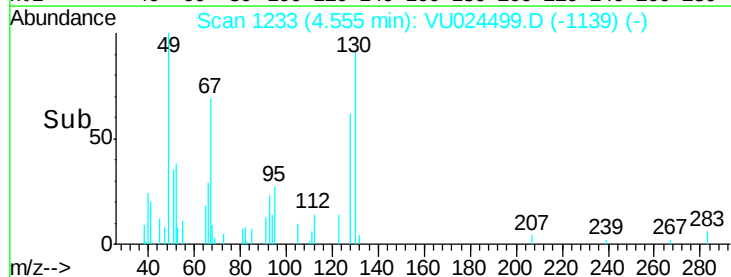
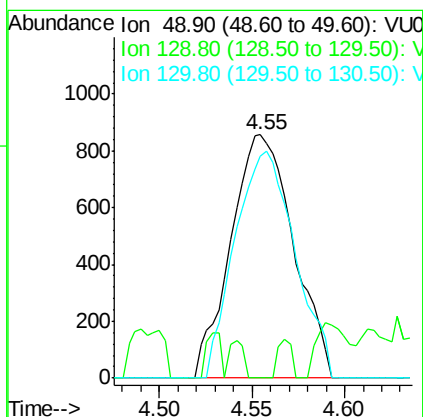
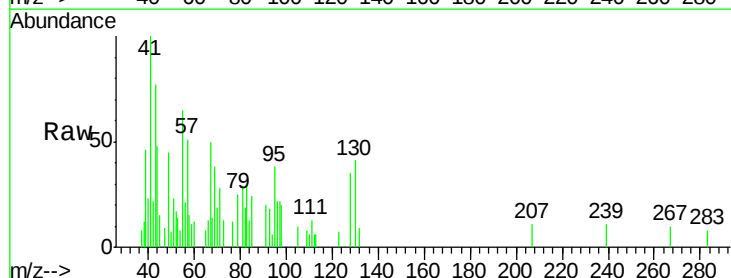
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

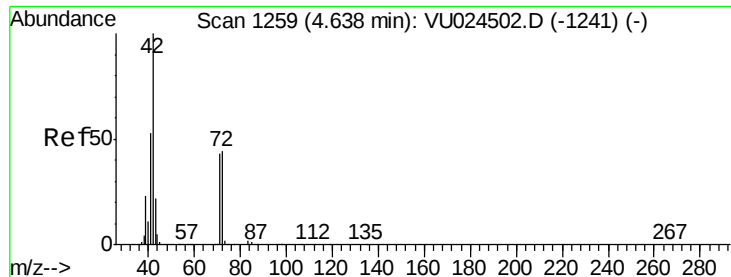
Tgt Ion: 77 Resp: 5399
 Ion Ratio Lower Upper
 77 100
 97 14.0 11.3 33.8



#28
 Bromochloromethane
 Concen: 0.92 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 49 Resp: 2011
 Ion Ratio Lower Upper
 49 100
 129 3.5 0.0 3.8
 130 89.3 57.8 86.6#





#29

Tetrahydrofuran

Concen: 4.74 ug/l

RT: 4.64 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

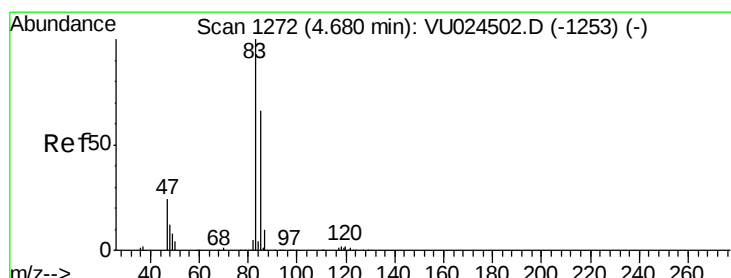
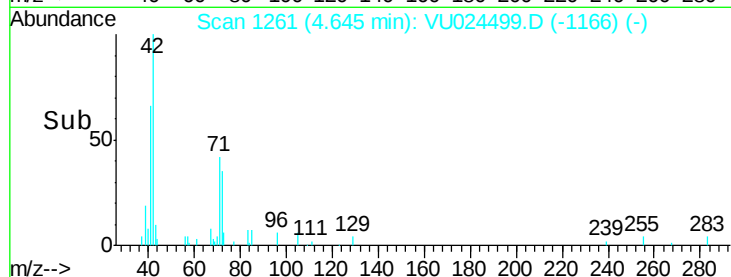
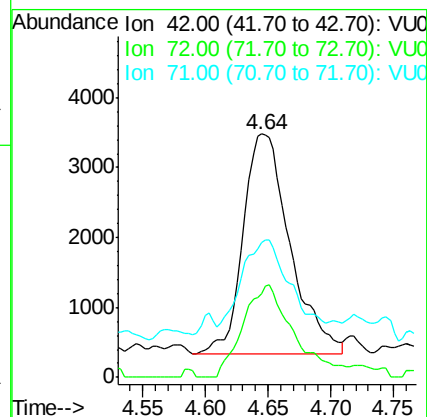
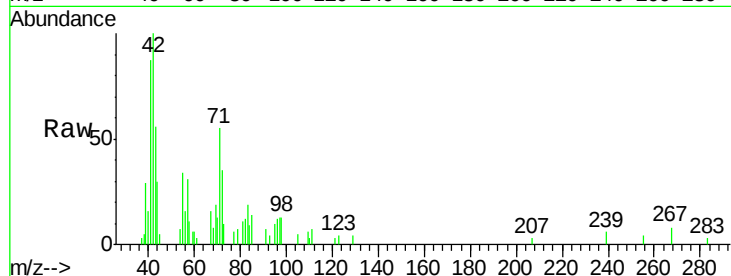
Tgt Ion: 42 Resp: 8191

Ion Ratio Lower Upper

42 100

72 45.7 34.5 51.7

71 45.7 32.2 48.4



#30

Chloroform

Concen: 0.92 ug/l

RT: 4.68 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VU024499.D

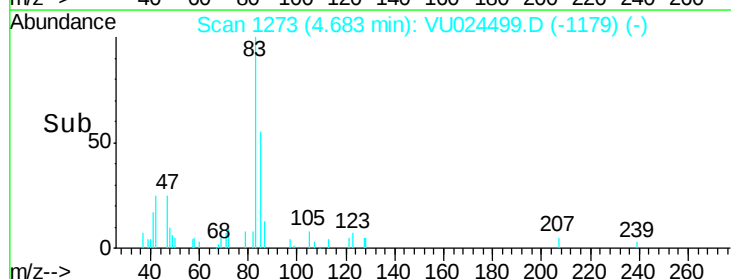
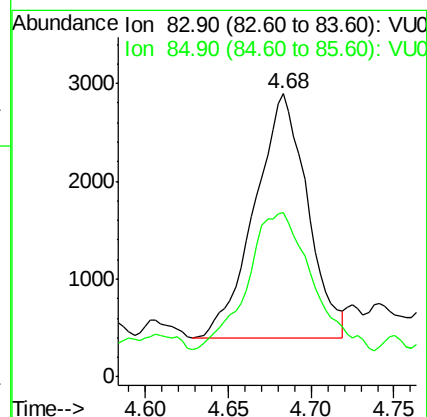
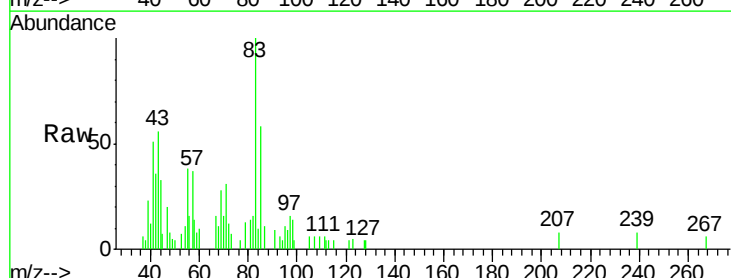
Acq: 13 Jun 2018 11:33

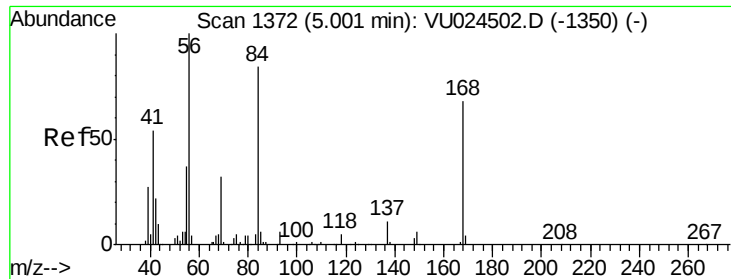
Tgt Ion: 83 Resp: 5535

Ion Ratio Lower Upper

83 100

85 56.0 52.4 78.6

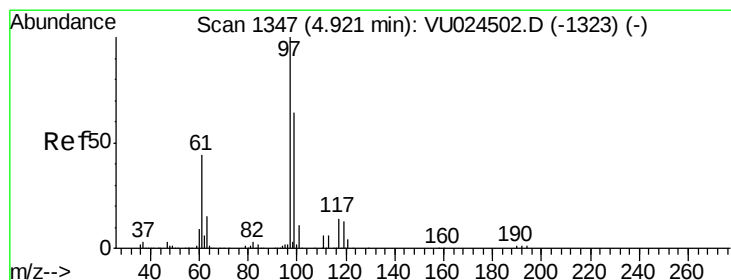
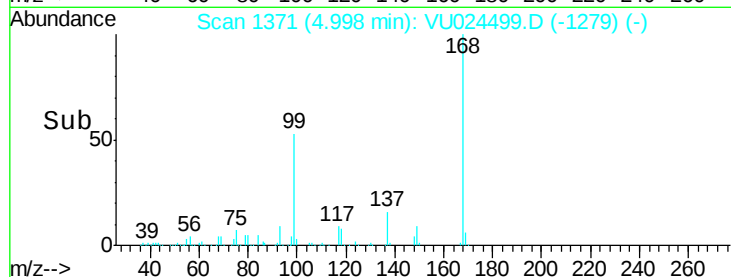
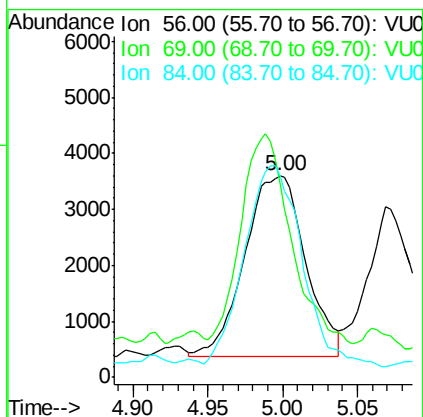
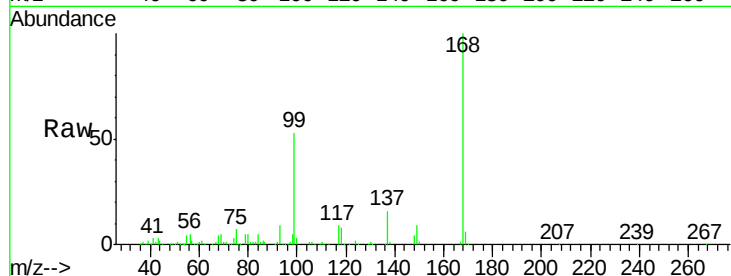




#31
Cyclohexane
Concen: 1.54 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

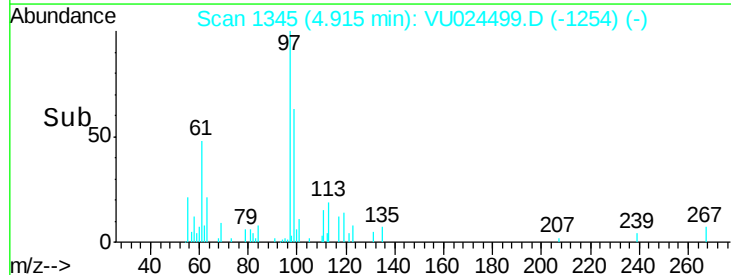
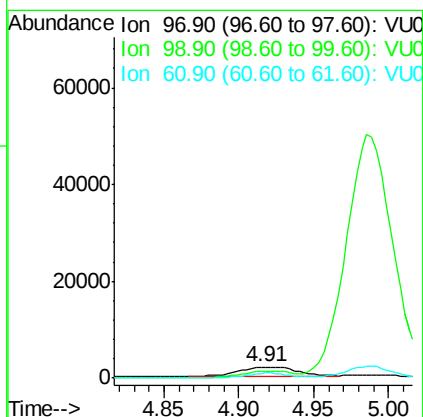
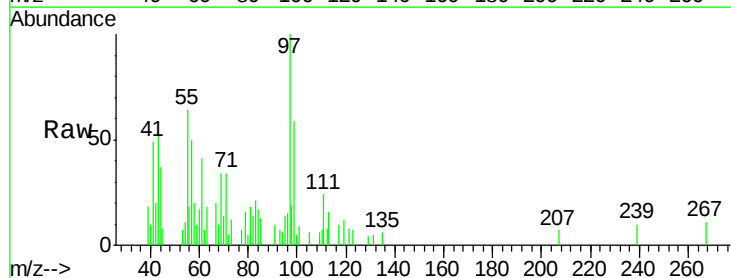
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

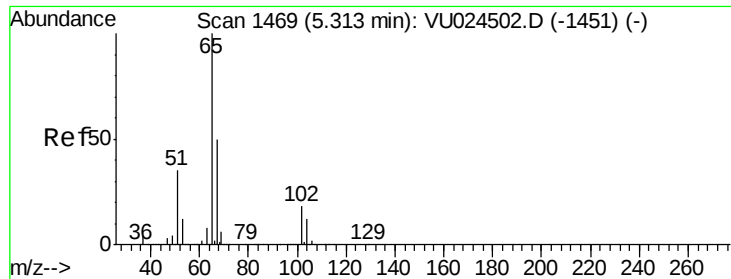
Tgt Ion: 56 Resp: 9141
Ion Ratio Lower Upper
56 100
69 82.7 24.8 37.2#
84 102.8 65.2 97.8#



#32
1,1,1-Trichloroethane
Concen: 1.09 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 97 Resp: 5326
Ion Ratio Lower Upper
97 100
99 68.2 51.0 76.6
61 43.7 39.4 59.0

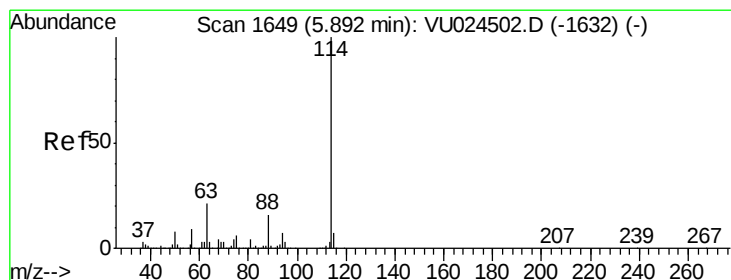
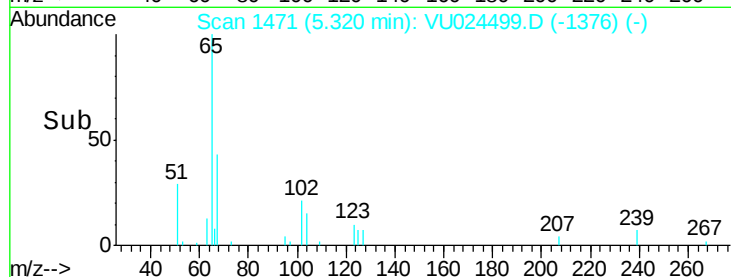
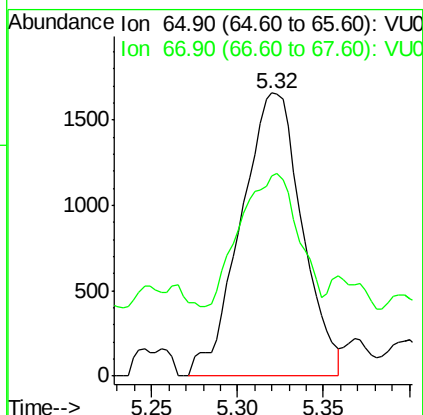
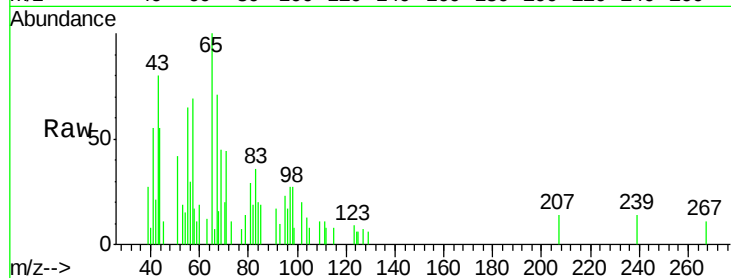




#33
 1,2-Dichloroethane-d4
 Concen: 1.03 ug/l
 RT: 5.32 min Scan# 1471
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

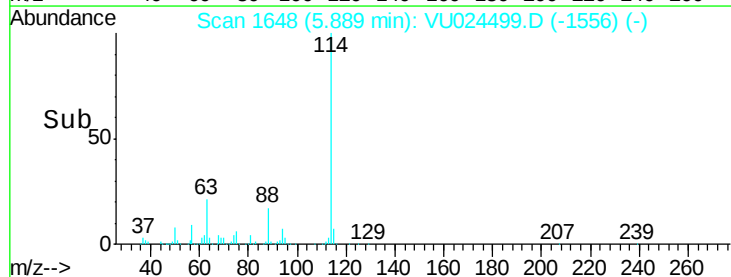
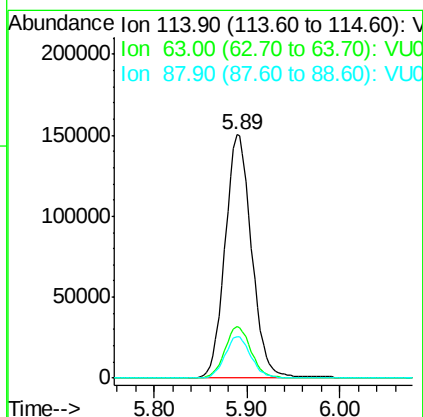
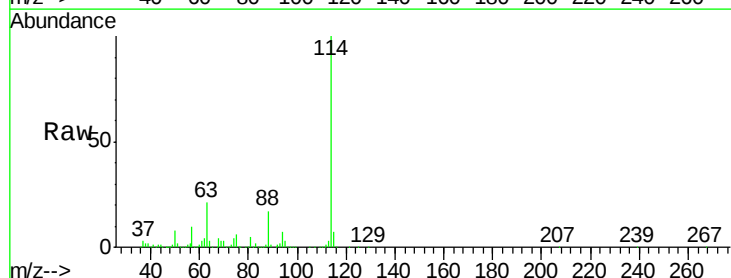
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

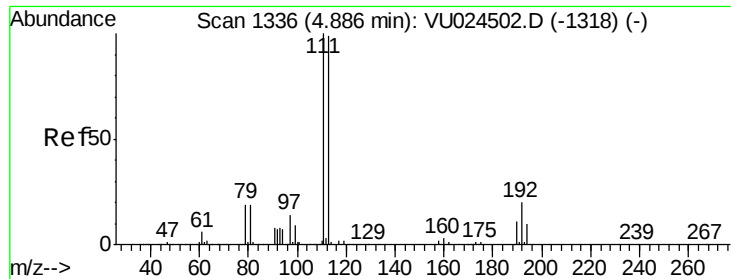
Tgt Ion: 65 Resp: 4093
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 114 Resp: 299246
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 45.4
 88 17.1 0.0 31.0

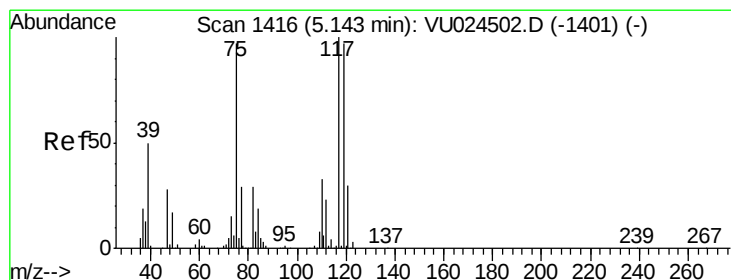
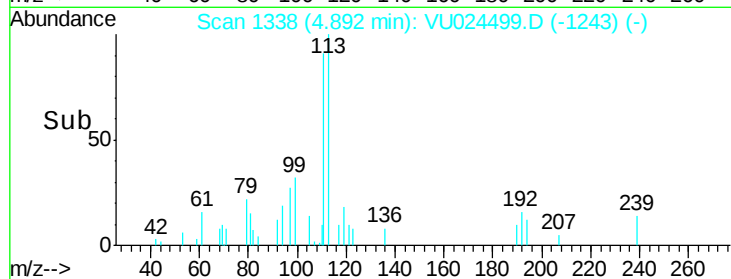
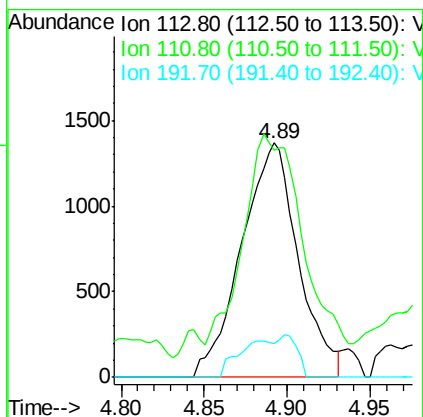
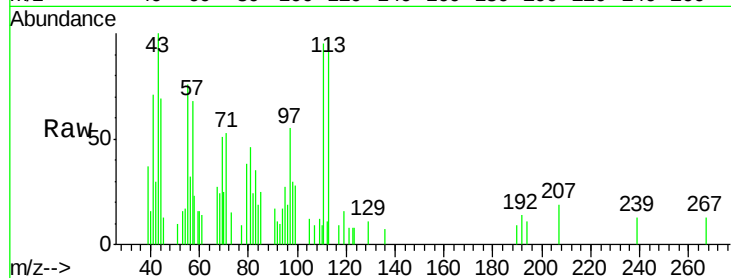




#35
 Dibromofluoromethane
 Concen: 1.06 ug/l
 RT: 4.89 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

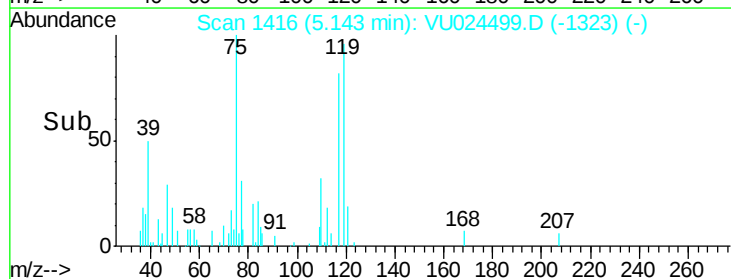
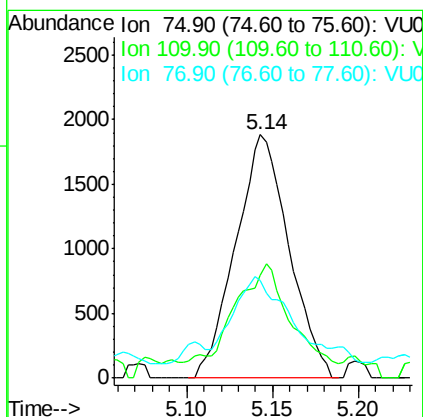
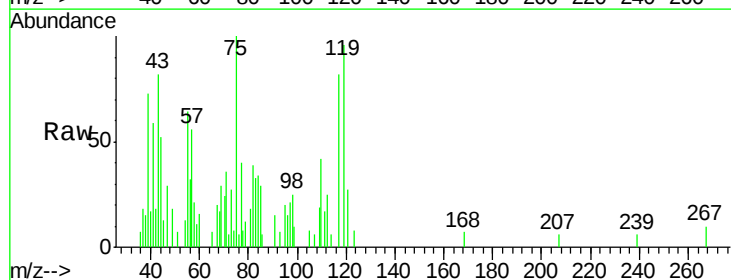
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

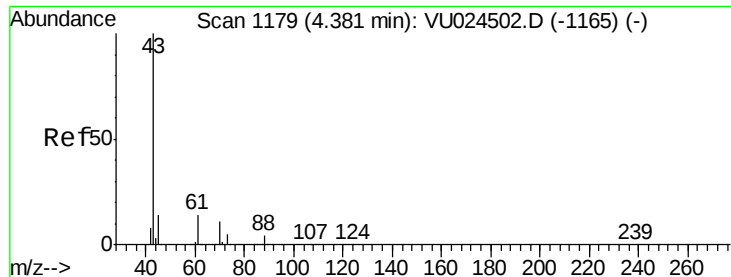
Tgt Ion: 113 Resp: 3255
 Ion Ratio Lower Upper
 113 100
 111 93.8 82.2 123.4
 192 10.1 16.2 24.4#



#36
 1,1-Dichloropropene
 Concen: 0.95 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 75 Resp: 4062
 Ion Ratio Lower Upper
 75 100
 110 54.3 17.0 50.9#
 77 39.6 24.2 36.4#

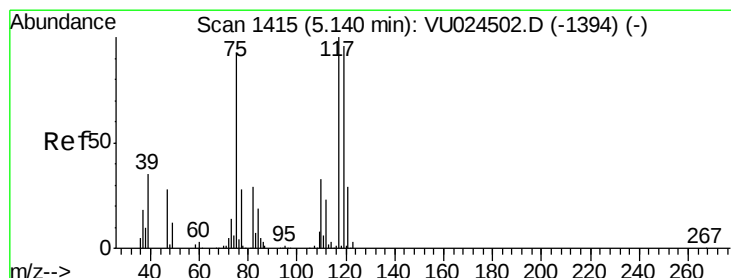
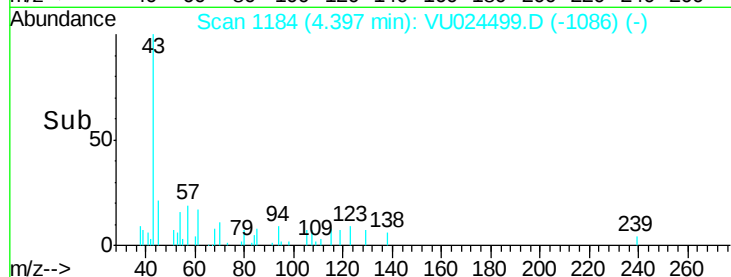
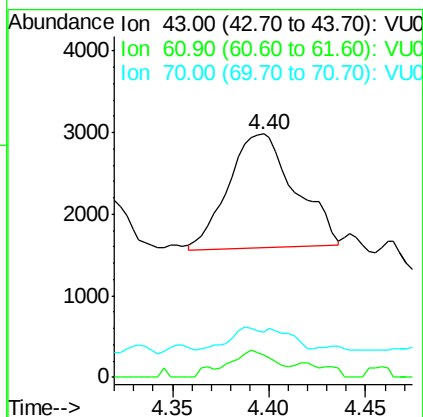
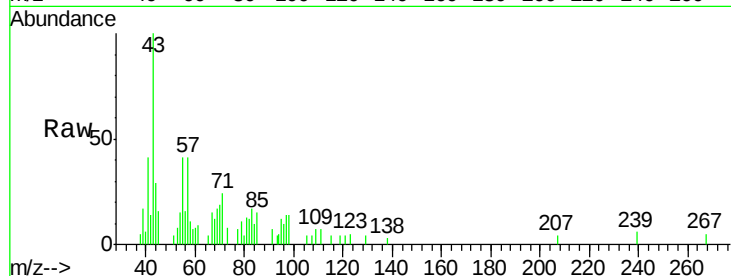




#37
Ethyl Acetate
Concen: 0.70 ug/l
RT: 4.40 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

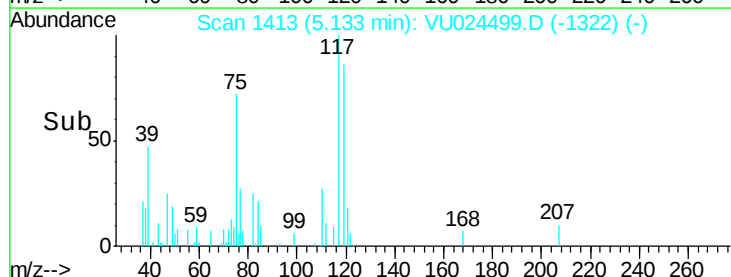
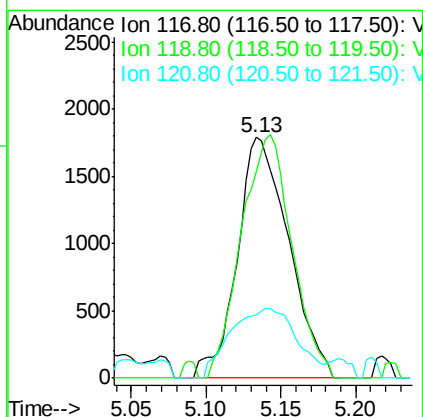
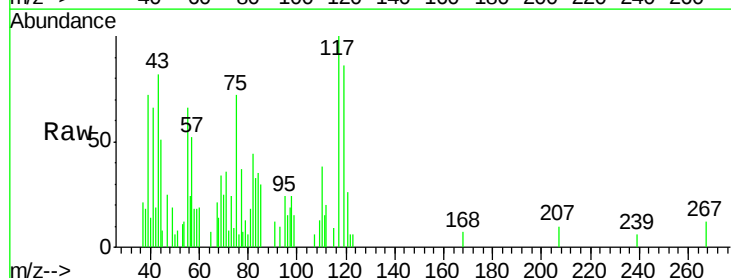
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

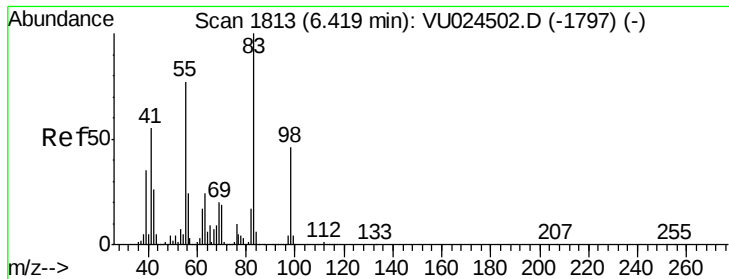
Tgt Ion: 43 Resp: 3366
Ion Ratio Lower Upper
43 100
61 17.0 10.5 15.7#
70 8.5 7.4 11.2



#38
Carbon Tetrachloride
Concen: 1.05 ug/l
RT: 5.13 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 117 Resp: 4282
Ion Ratio Lower Upper
117 100
119 85.9 76.1 114.1
121 26.4 23.7 35.5

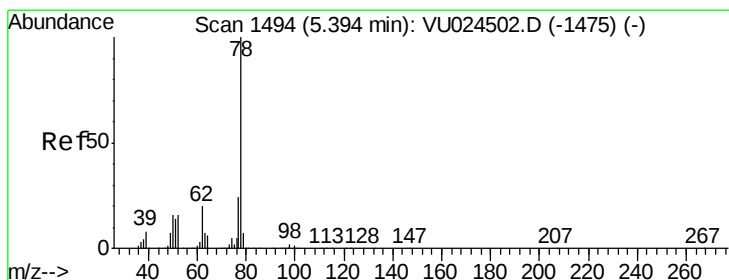
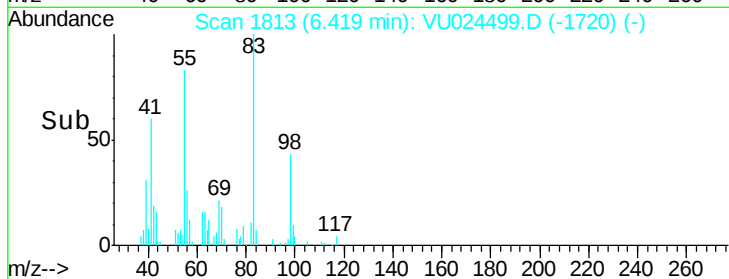
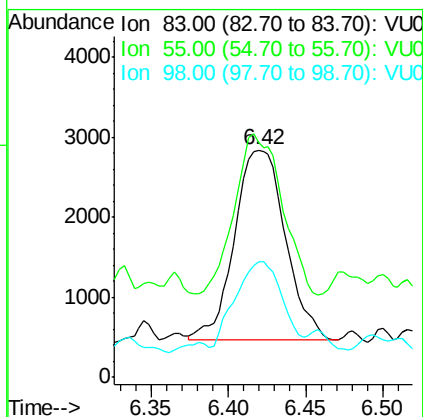
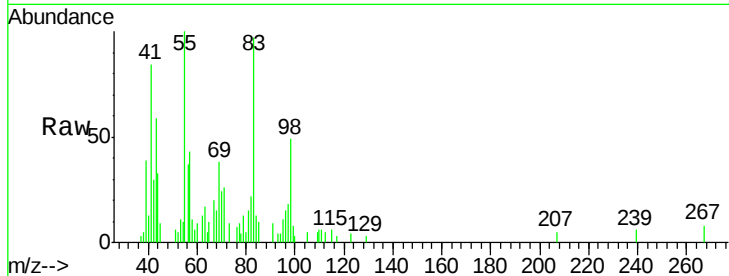




#39
Methylcyclohexane
Concen: 1.18 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

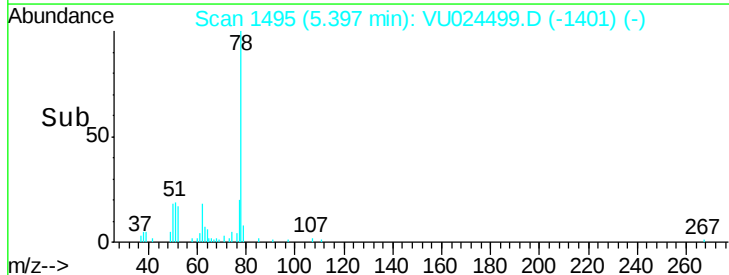
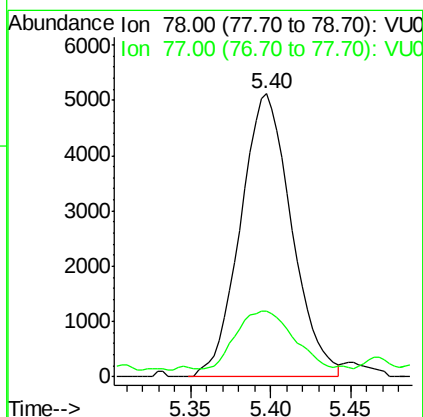
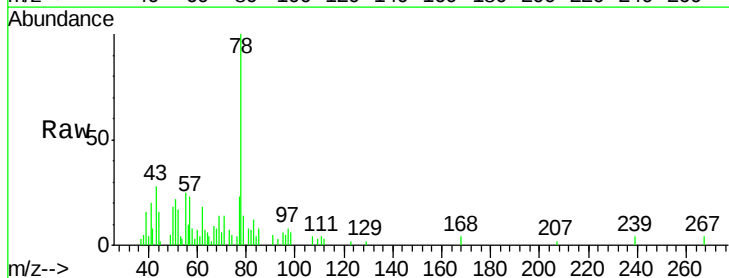
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

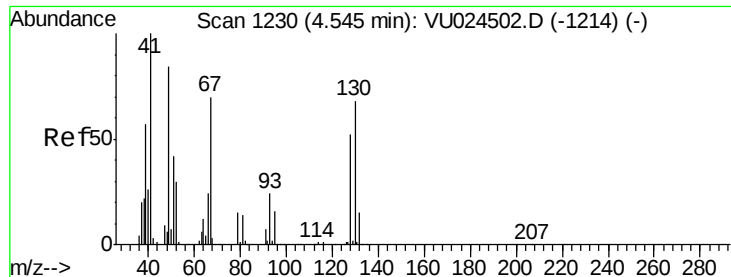
Tgt Ion: 83 Resp: 5442
Ion Ratio Lower Upper
83 100
55 78.5 65.8 98.6
98 45.4 36.7 55.1



#40
Benzene
Concen: 0.87 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 78 Resp: 11206
Ion Ratio Lower Upper
78 100
77 19.9 19.2 28.8

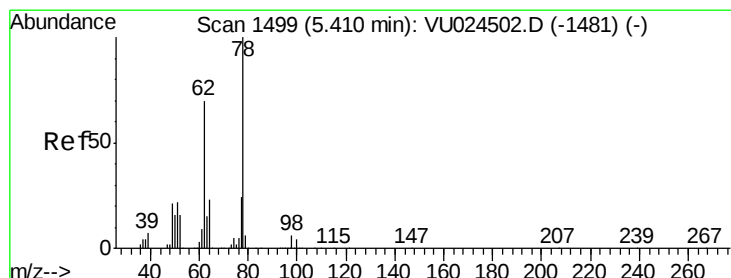
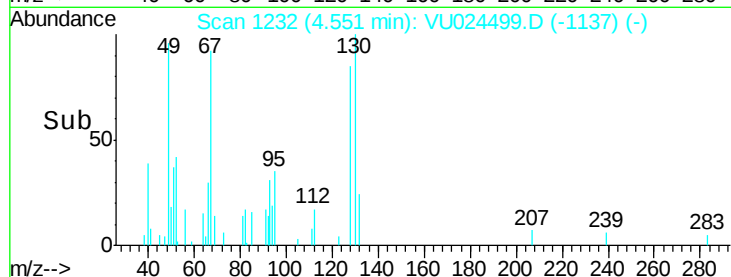
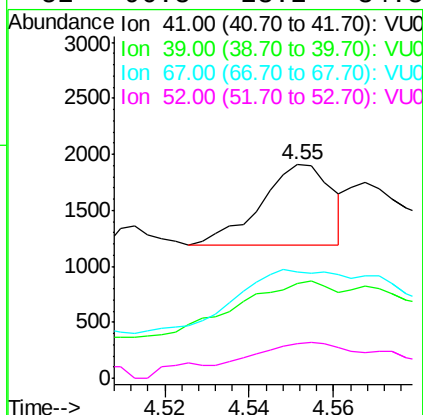
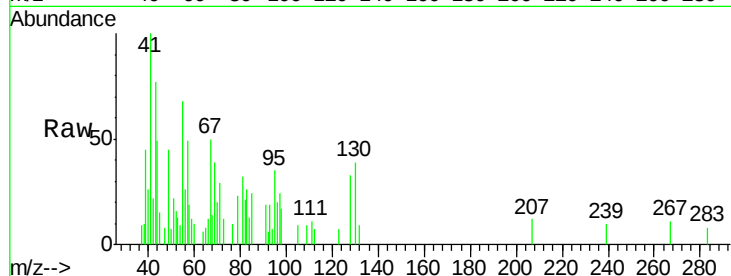




#41
Methacrylonitrile
Concen: 0.32 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

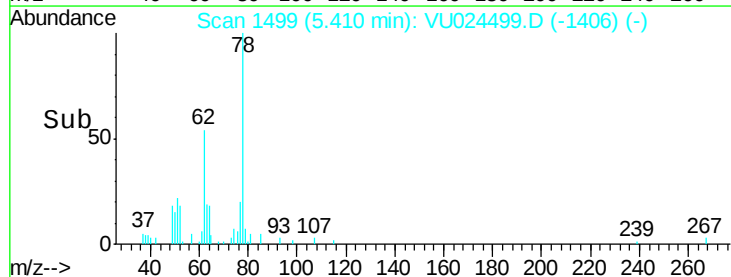
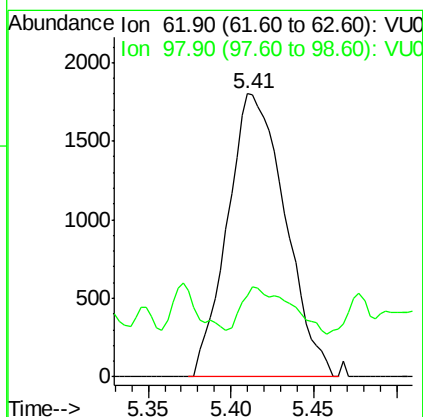
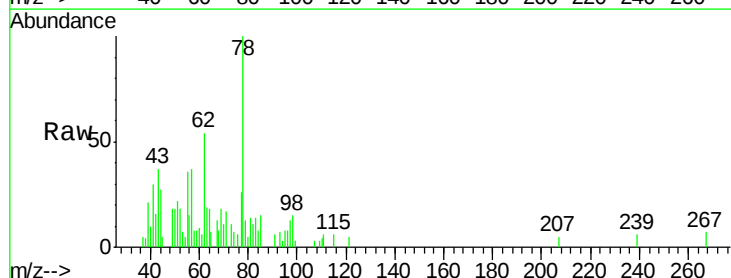
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

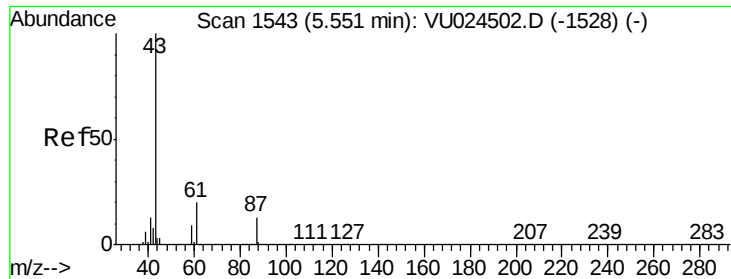
Tgt Ion: 41 Resp: 846
Ion Ratio Lower Upper
41 100
39 95.4 43.8 65.6#
67 170.2 56.3 84.5#
52 96.8 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.88 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 62 Resp: 4359
Ion Ratio Lower Upper
62 100
98 13.9 0.0 16.6





#43

Isopropyl Acetate

Concen: 1.02 ug/l

RT: 5.56 min Scan# 1545

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

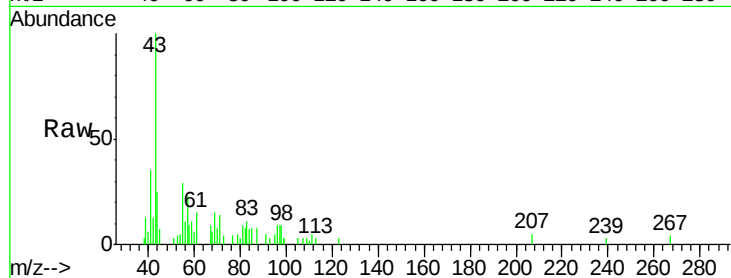
Tgt Ion: 43 Resp: 7451

Ion Ratio Lower Upper

43 100

61 22.8 15.4 23.0

87 6.4 10.0 15.0#



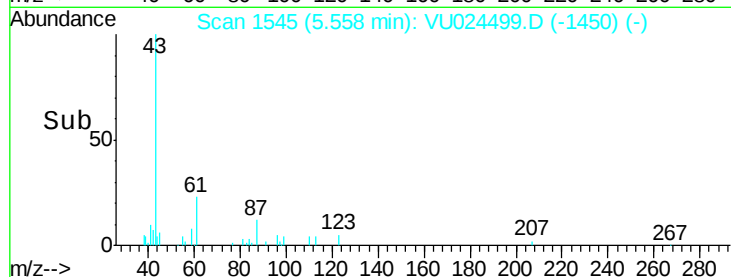
Abundance Ion 43.00 (42.70 to 43.70): VU024499.D (-1450) (-)

Ion 61.00 (60.70 to 61.70): VU024499.D (-1450) (-)

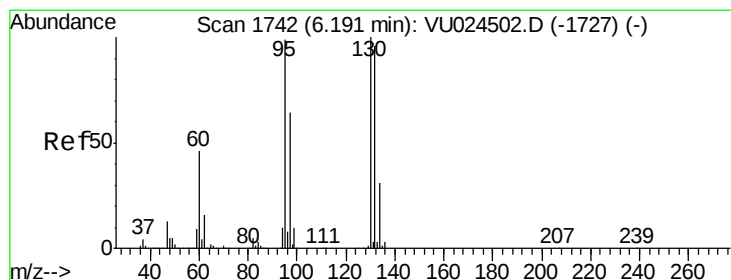
Ion 87.00 (86.70 to 87.70): VU024499.D (-1450) (-)

5.56

Time-->



Time-->



#44

Trichloroethene

Concen: 1.03 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU024499.D

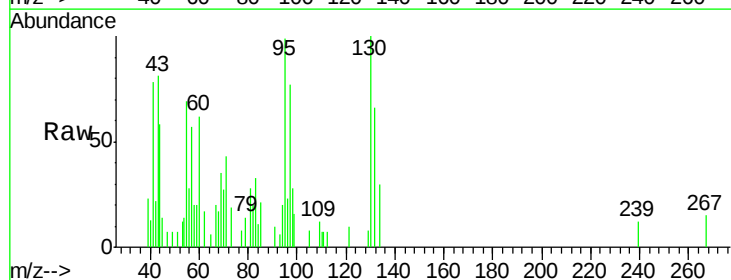
Acq: 13 Jun 2018 11:33

Tgt Ion: 130 Resp: 3452

Ion Ratio Lower Upper

130 100

95 78.8 0.0 202.4

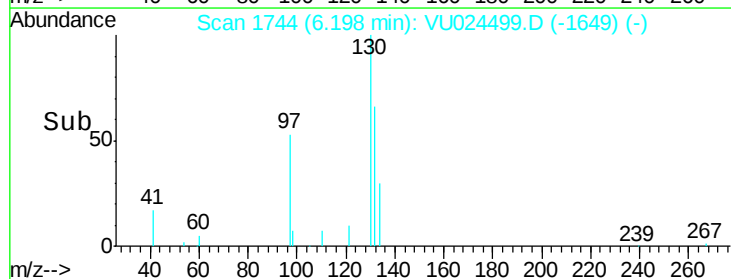


Abundance Ion 129.80 (129.50 to 130.50): VU024499.D (-1649) (-)

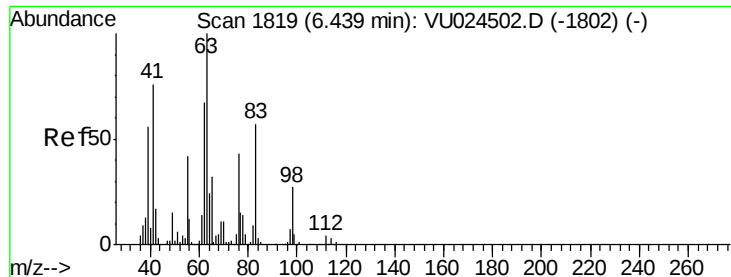
Ion 94.90 (94.60 to 95.60): VU024499.D (-1649) (-)

6.20

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 0.85 ug/l

RT: 6.44 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

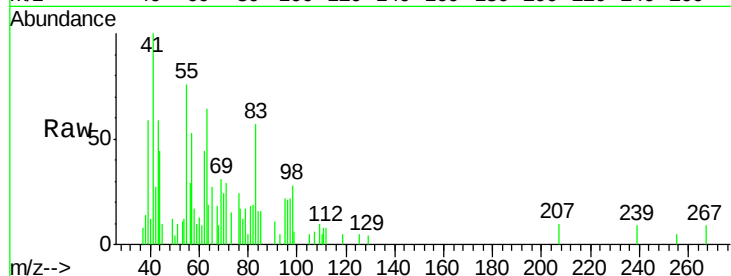
VSTDIC001

Tgt Ion: 63 Resp: 2925

Ion Ratio Lower Upper

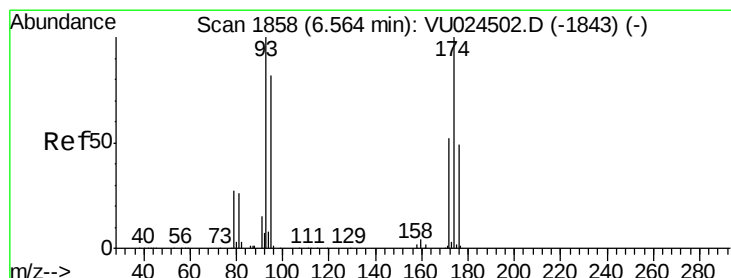
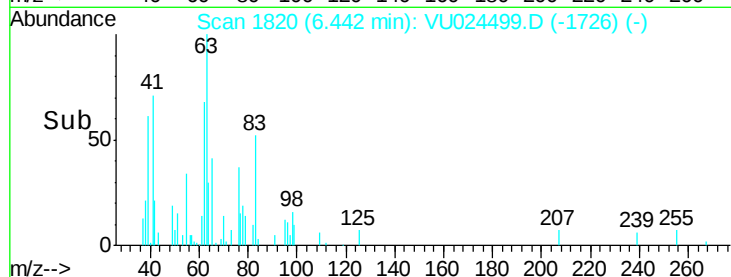
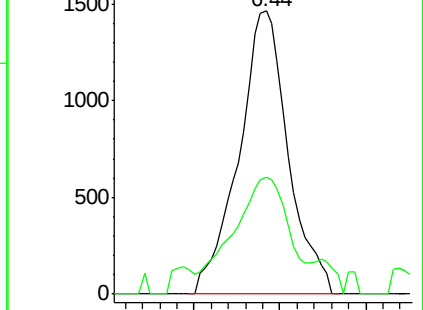
63 100

65 34.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU024499.D (-1726) (-)

Ion 64.90 (64.60 to 65.60): VU024499.D (-1726) (-)



#46

Dibromomethane

Concen: 0.85 ug/l

RT: 6.57 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

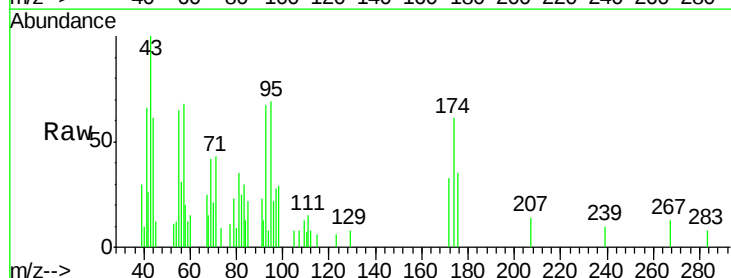
Tgt Ion: 93 Resp: 1939

Ion Ratio Lower Upper

93 100

95 81.0 65.5 98.3

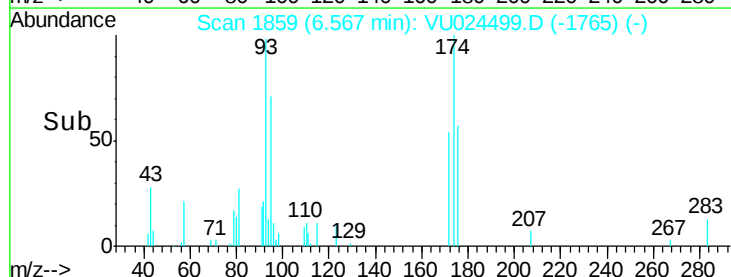
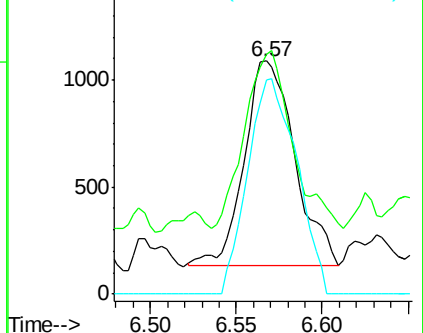
174 102.5 78.7 118.1

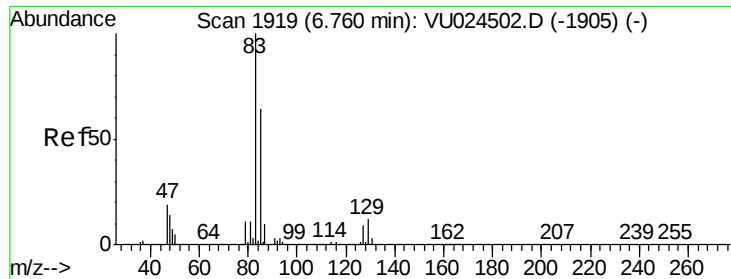


Abundance Ion 92.80 (92.50 to 93.50): VU024499.D (-1765) (-)

Ion 94.80 (94.50 to 95.50): VU024499.D (-1765) (-)

Ion 173.70 (173.40 to 174.40): VU024499.D (-1765) (-)





#47

Bromodichloromethane

Concen: 0.91 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

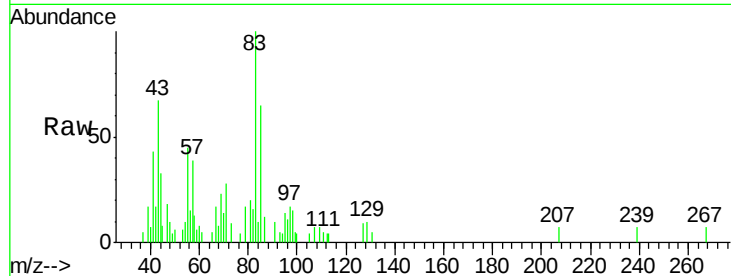
Tgt Ion: 83 Resp: 4016

Ion Ratio Lower Upper

83 100

85 61.3 51.9 77.9

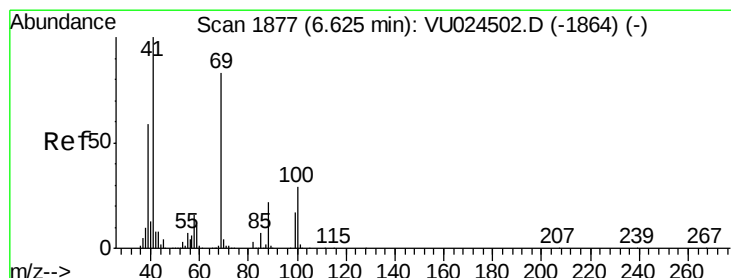
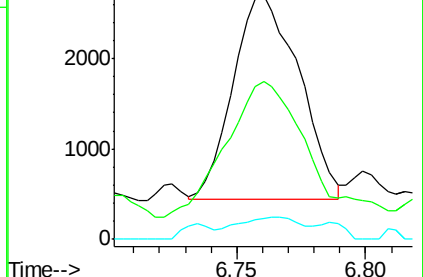
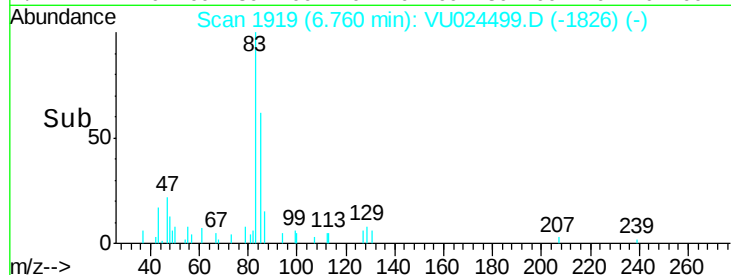
127 4.3 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VU024499.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU024499.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU024499.D (-1826) (-)



#48

Methyl methacrylate

Concen: 0.97 ug/l

RT: 6.63 min Scan# 1880

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

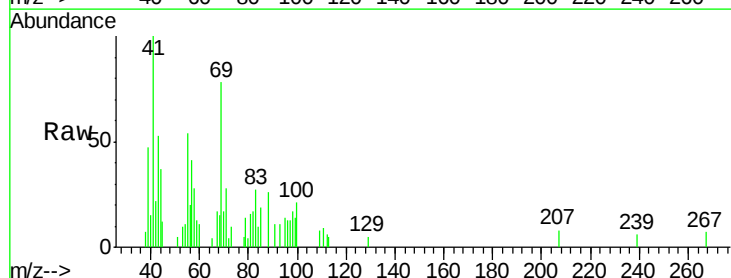
Tgt Ion: 41 Resp: 3454

Ion Ratio Lower Upper

41 100

69 75.8 67.3 100.9

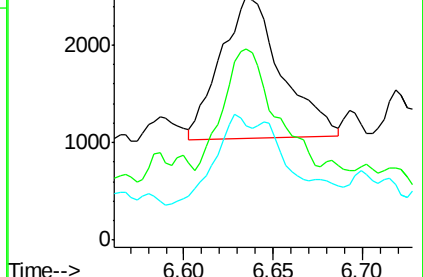
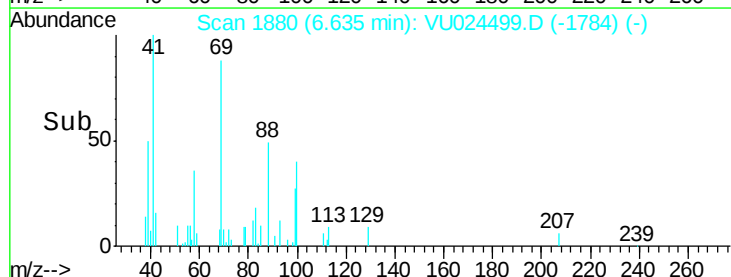
39 37.2 46.5 69.7#

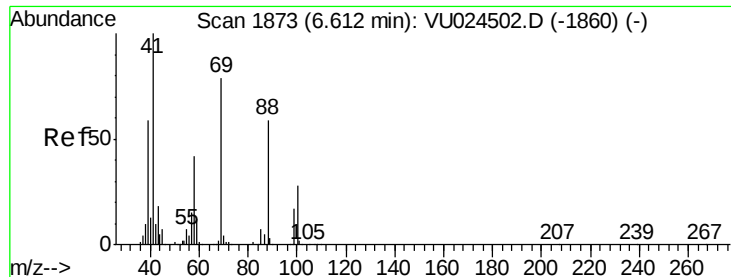


Abundance Ion 41.00 (40.70 to 41.70): VU024499.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU024499.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU024499.D (-1784) (-)





#49

1,4-Dioxane

Concen: 18.75 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.02 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

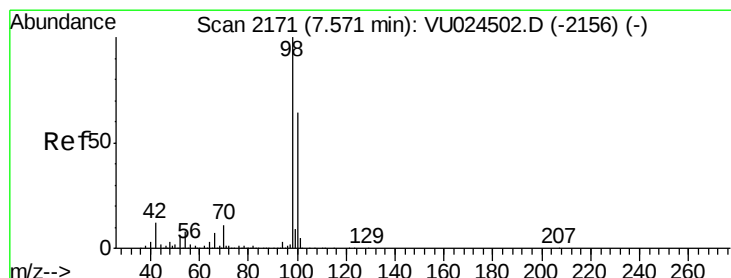
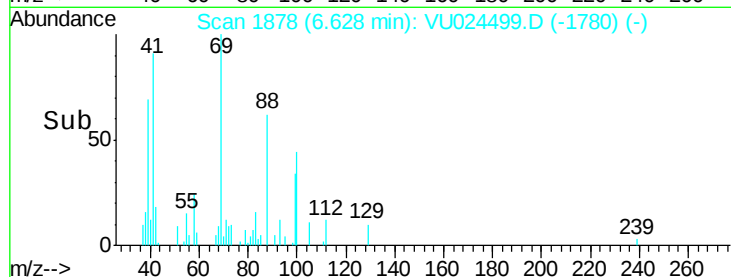
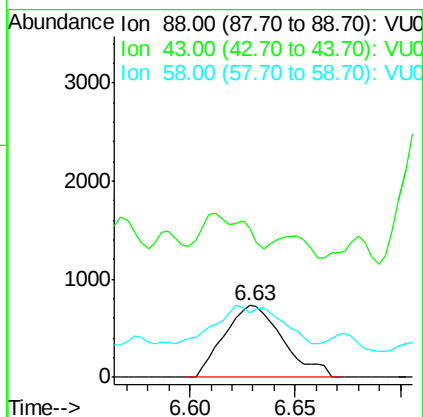
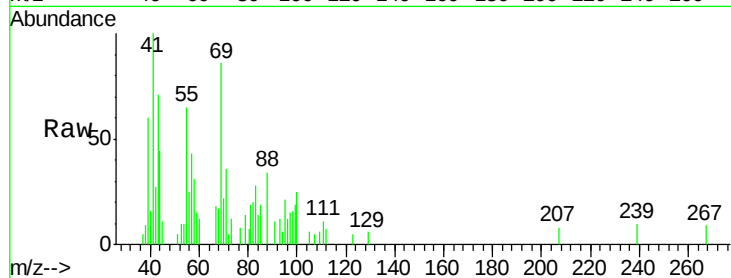
Tgt Ion: 88 Resp: 1414

Ion Ratio Lower Upper

88 100

43 32.2 28.6 42.8

58 30.6 58.2 87.4#



#50

Toluene-d8

Concen: 0.85 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024499.D

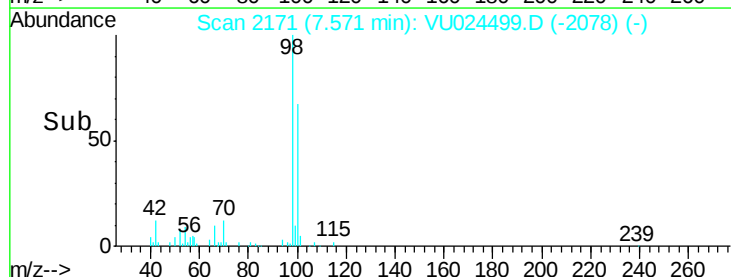
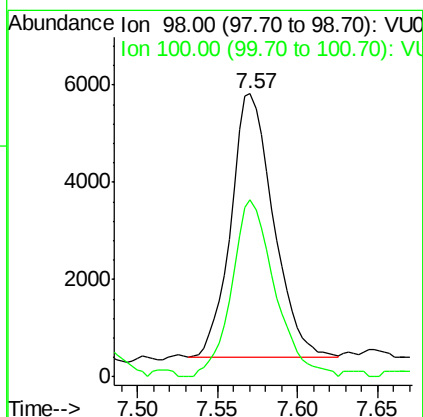
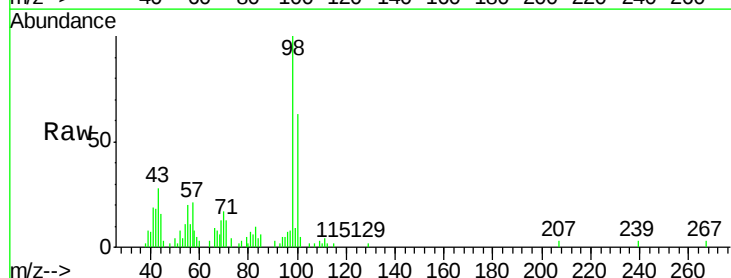
Acq: 13 Jun 2018 11:33

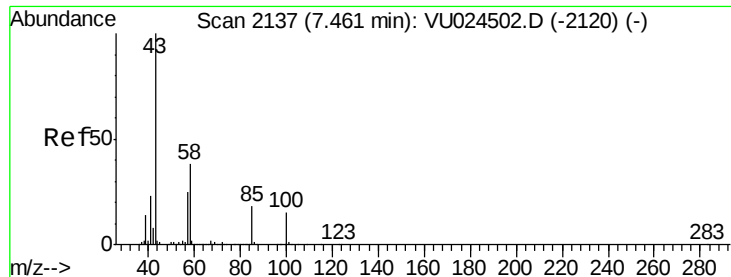
Tgt Ion: 98 Resp: 9753

Ion Ratio Lower Upper

98 100

100 68.5 51.1 76.7

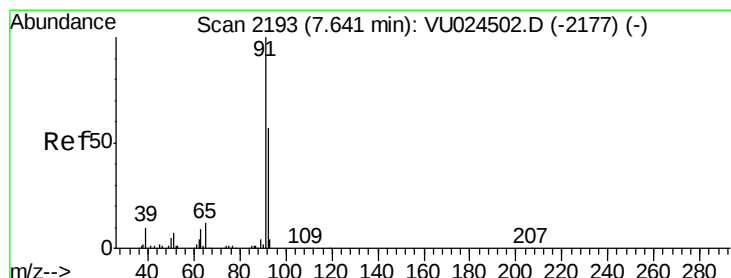
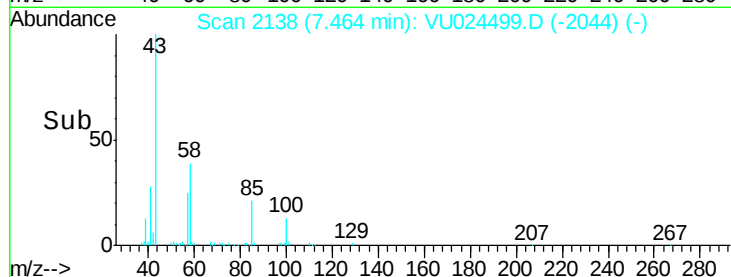
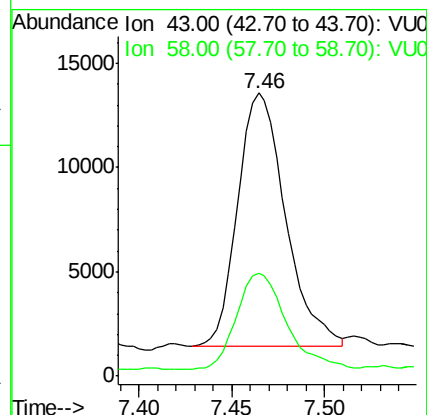
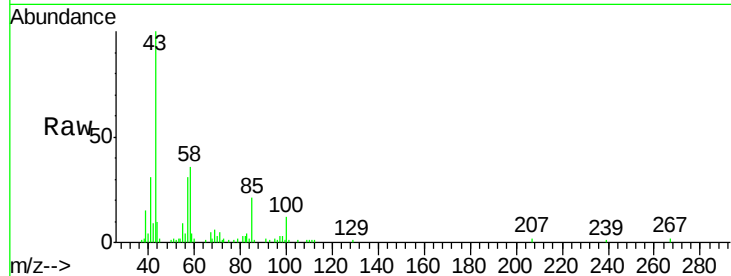




#51
 4-Methyl-2-Pentanone
 Concen: 4.12 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

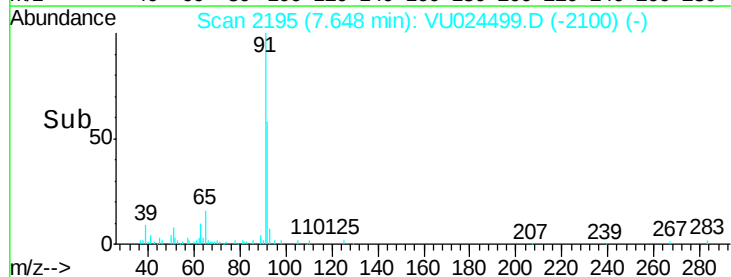
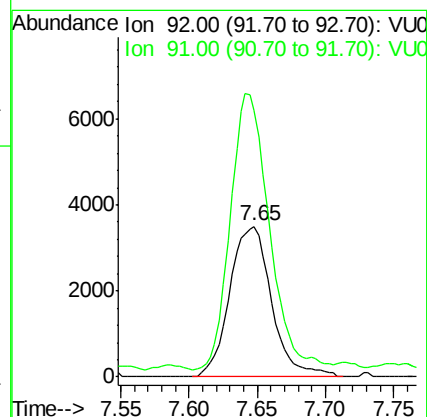
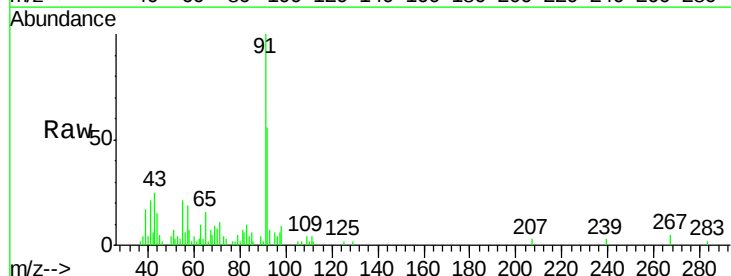
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

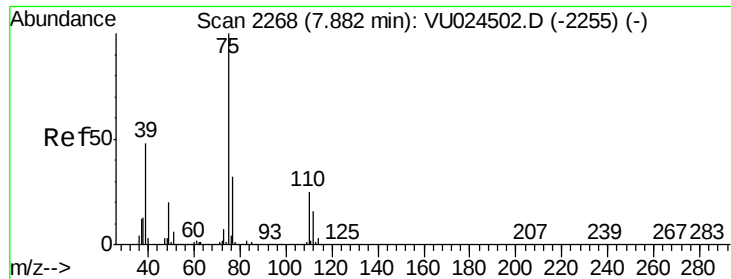
Tgt Ion: 43 Resp: 21678
 Ion Ratio Lower Upper
 43 100
 58 39.6 30.0 45.0



#52
 Toluene
 Concen: 0.98 ug/l
 RT: 7.65 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 92 Resp: 7458
 Ion Ratio Lower Upper
 92 100
 91 170.4 140.5 210.7

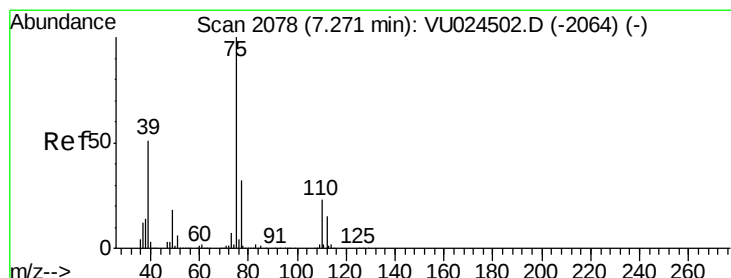
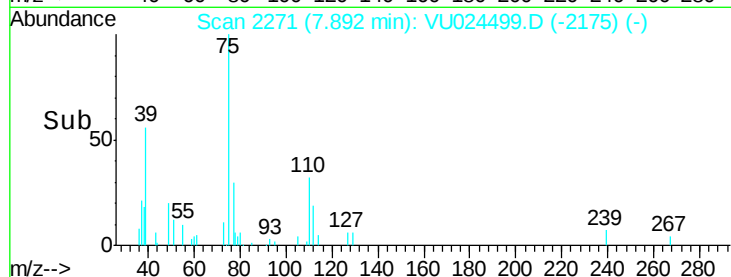
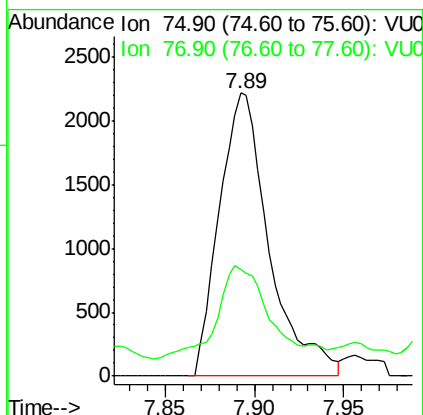
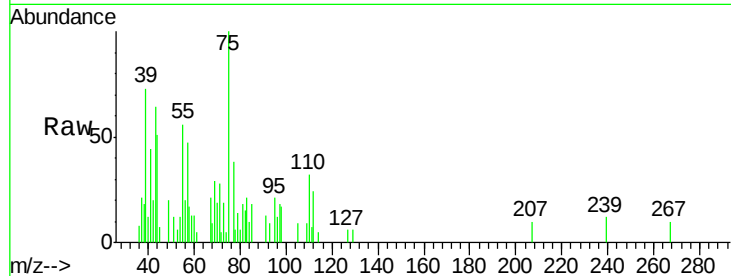




#53
 t-1,3-Dichloropropene
 Concen: 0.93 ug/l
 RT: 7.89 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

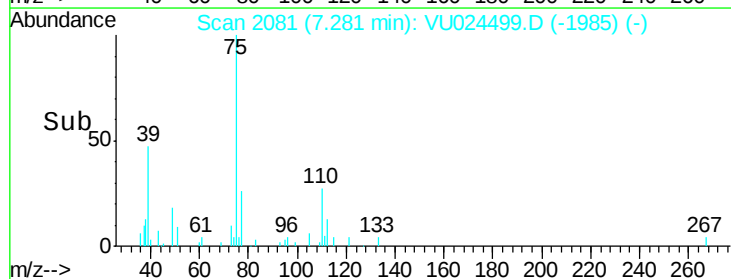
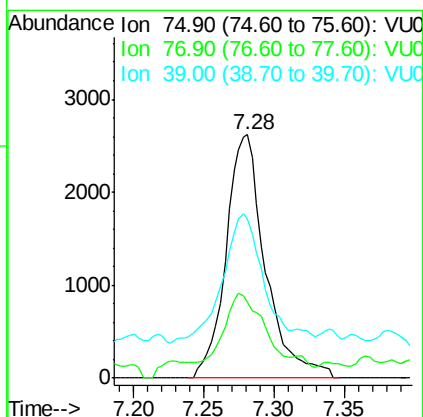
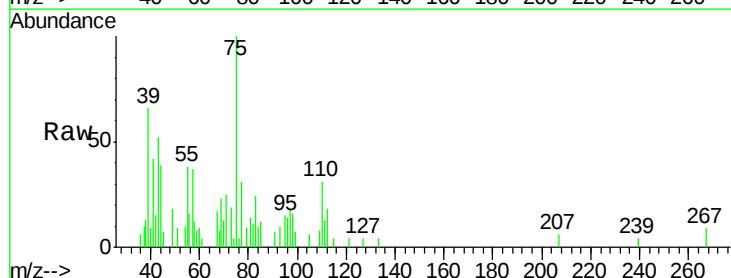
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

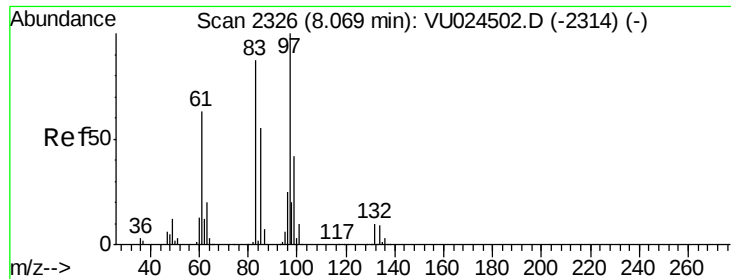
Tgt Ion: 75 Resp: 4290
 Ion Ratio Lower Upper
 75 100
 77 27.9 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 1.02 ug/l
 RT: 7.28 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 75 Resp: 5108
 Ion Ratio Lower Upper
 75 100
 77 25.3 24.6 36.8
 39 48.5 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 1.02 ug/l

RT: 8.08 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 3335

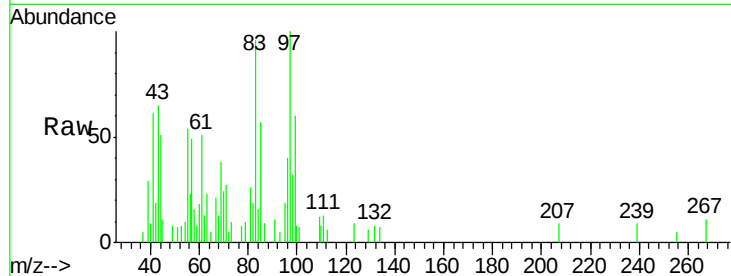
Ion Ratio Lower Upper

97 100

83 82.4 70.5 105.7

85 45.5 46.4 69.6#

99 66.5 50.2 75.2

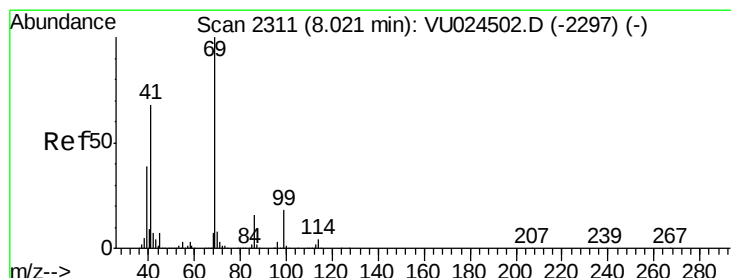
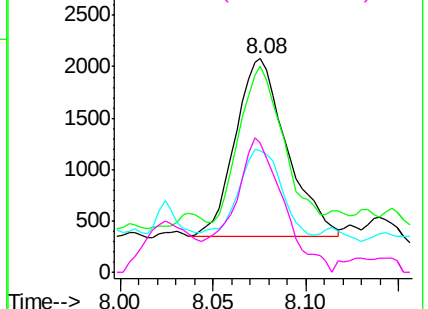
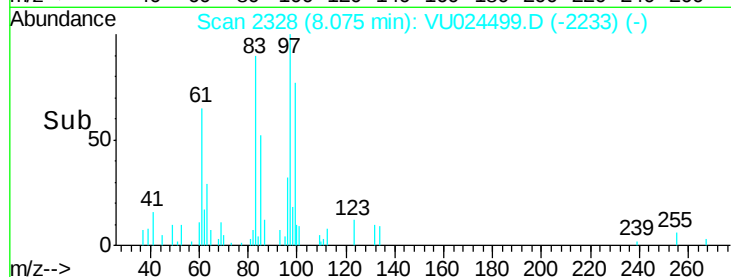


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 1.12 ug/l

RT: 8.02 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

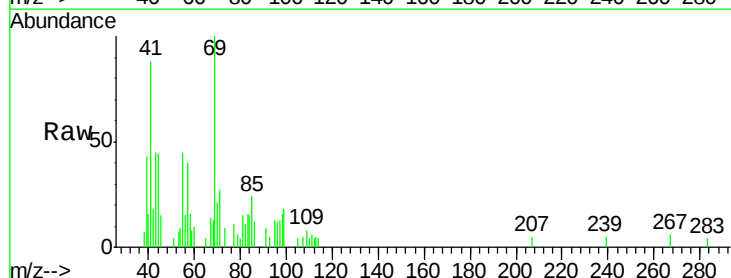
Tgt Ion: 69 Resp: 4786

Ion Ratio Lower Upper

69 100

41 65.0 54.1 81.1

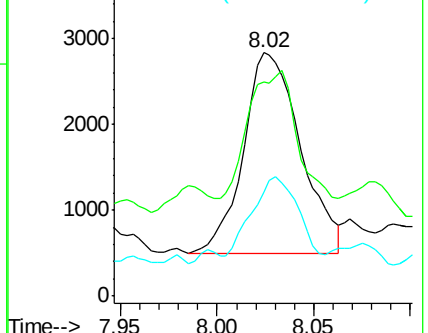
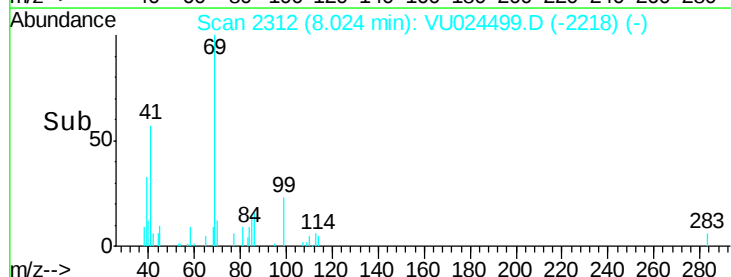
39 35.0 30.3 45.5

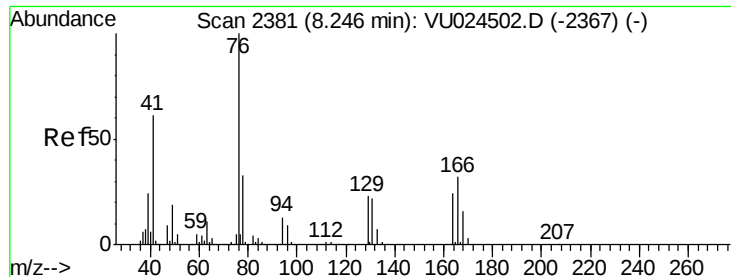


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 0.89 ug/l

RT: 8.25 min Scan# 2383

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

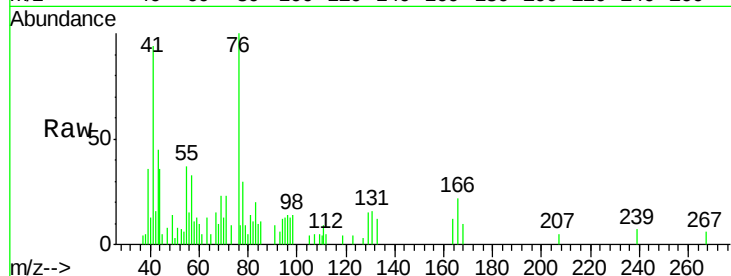
VSTDIC001

Tgt Ion: 76 Resp: 5028

Ion Ratio Lower Upper

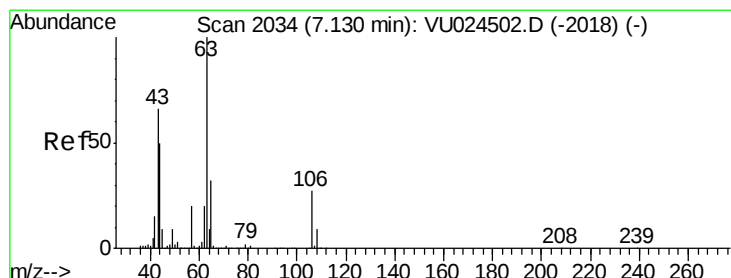
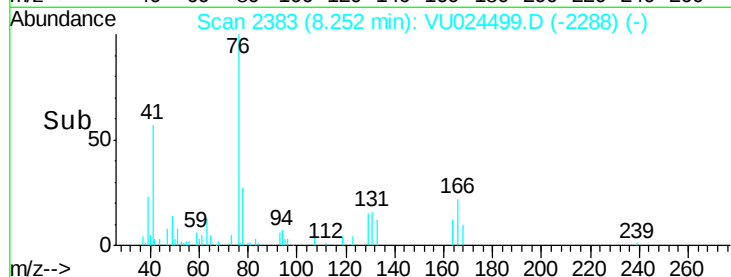
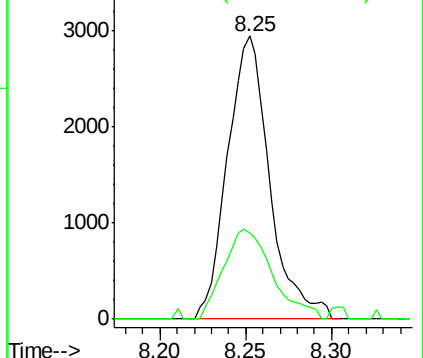
76 100

78 36.7 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 3.95 ug/l

RT: 7.14 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU024499.D

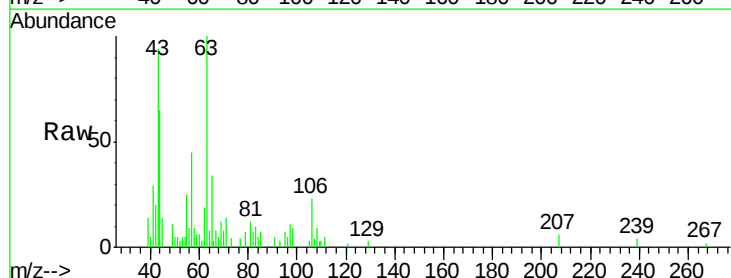
Acq: 13 Jun 2018 11:33

Tgt Ion: 63 Resp: 8668

Ion Ratio Lower Upper

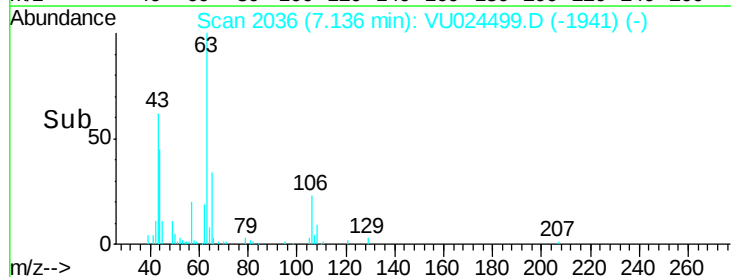
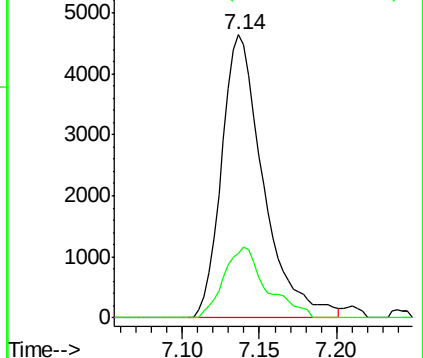
63 100

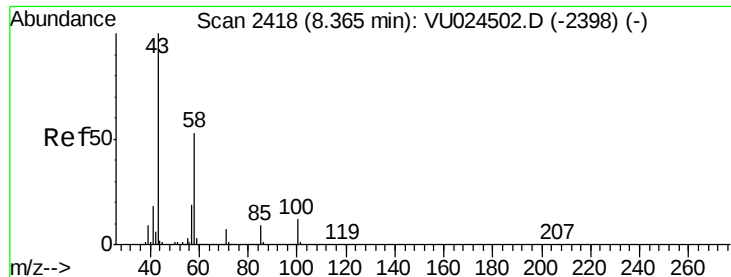
106 25.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 4.27 ug/l

RT: 8.37 min Scan# 2419

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

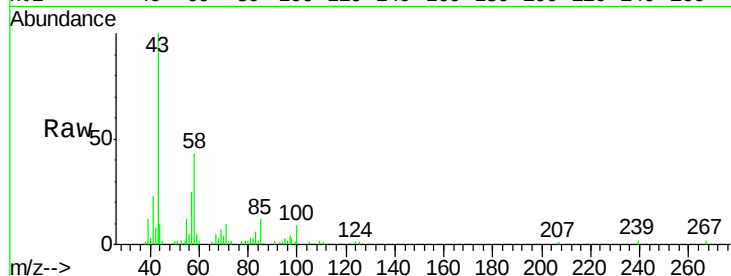
VSTDIC001

Tgt Ion: 43 Resp: 17971

Ion Ratio Lower Upper

43 100

58 46.5 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU024499.D (-2325) (-)

Ion 58.00 (57.70 to 58.70): VU024499.D (-2325) (-)

8.37

12000

10000

8000

6000

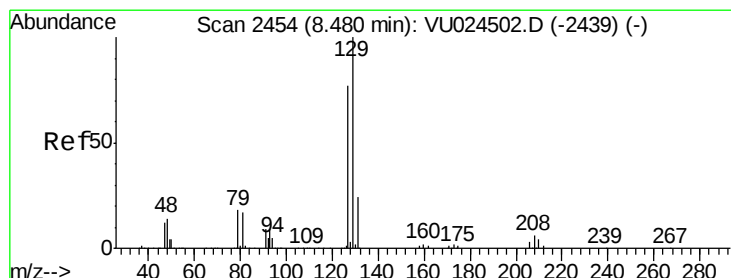
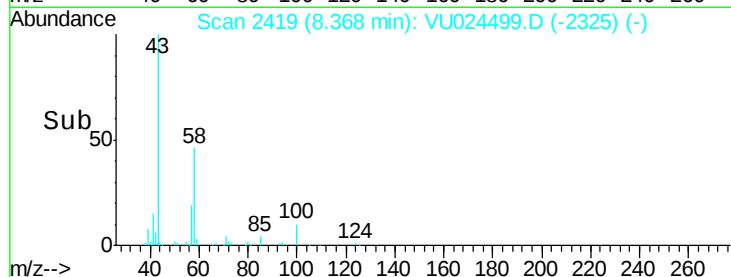
4000

2000

0

8.30 8.35 8.40 8.45

Time-->



#60

Dibromochloromethane

Concen: 1.23 ug/l

RT: 8.48 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VU024499.D

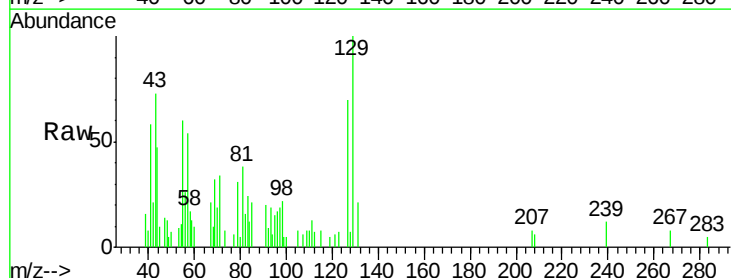
Acq: 13 Jun 2018 11:33

Tgt Ion: 129 Resp: 4096

Ion Ratio Lower Upper

129 100

127 70.0 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): VU024499.D (-2361) (-)

Ion 126.80 (126.50 to 127.50): VU024499.D (-2361) (-)

8.48

2000

1500

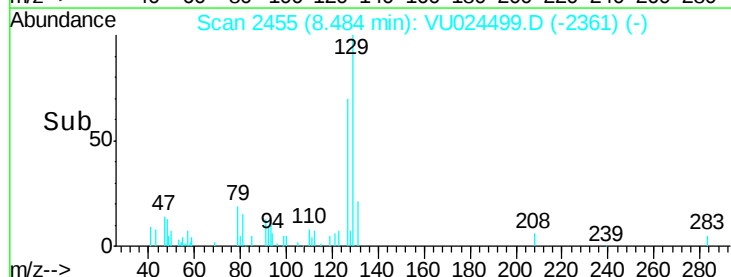
1000

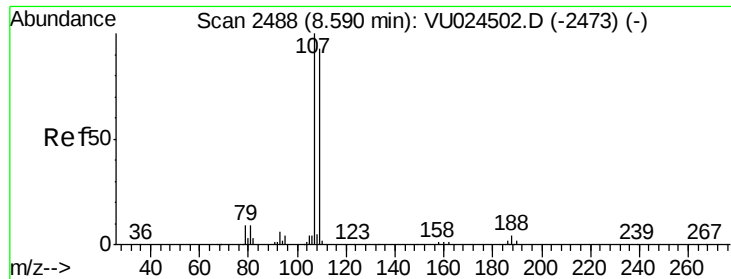
500

0

8.40 8.45 8.50 8.55

Time-->





#61

1,2-Dibromoethane

Concen: 0.98 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

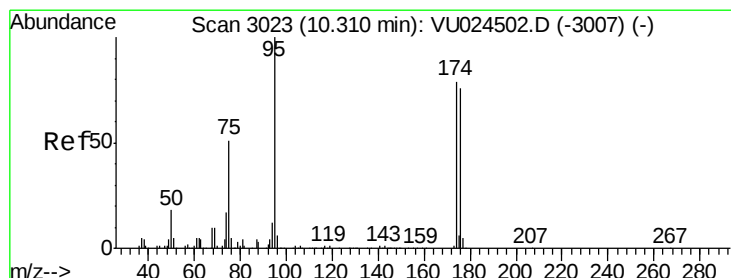
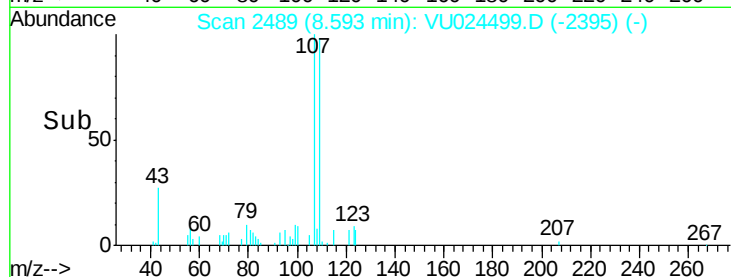
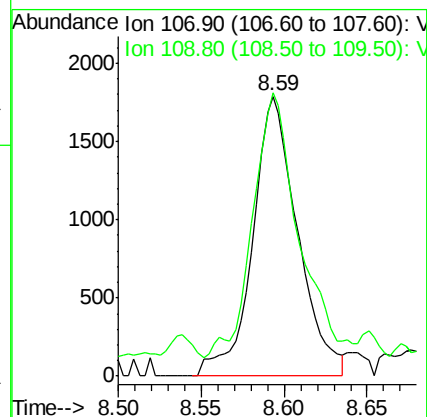
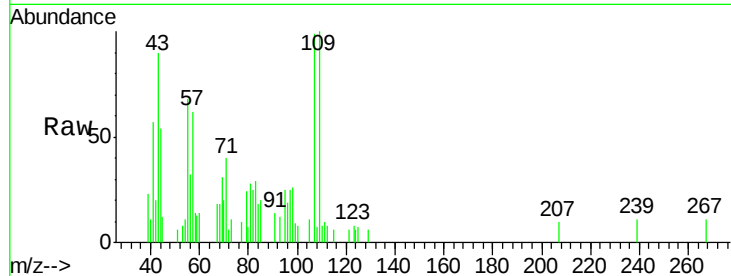
VSTDIC001

Tgt Ion: 107 Resp: 3373

Ion Ratio Lower Upper

107 100

109 95.9 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 0.96 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

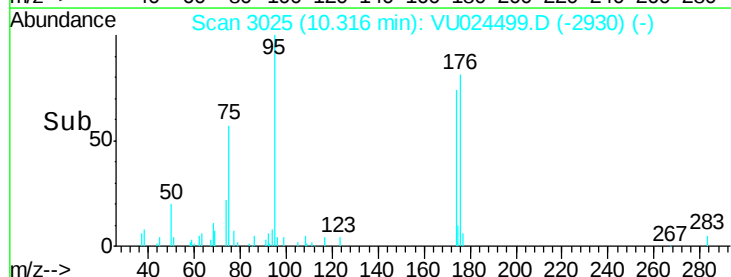
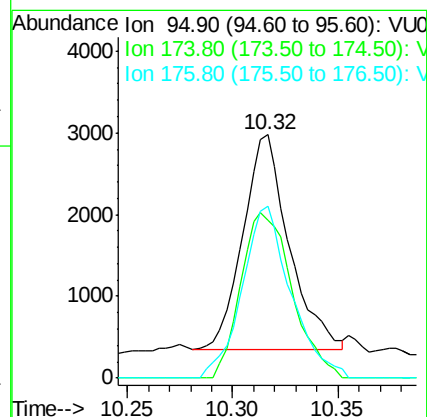
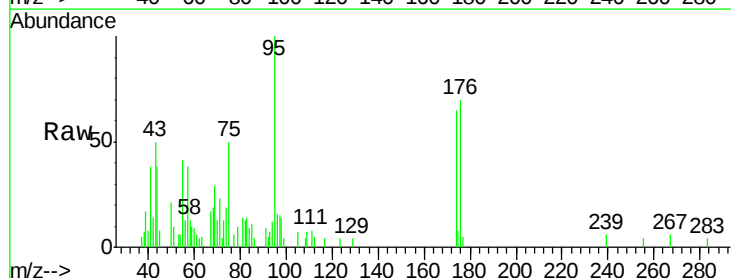
Tgt Ion: 95 Resp: 4030

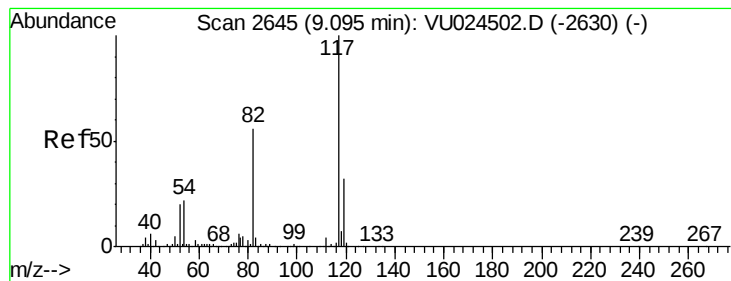
Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

176 83.8 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

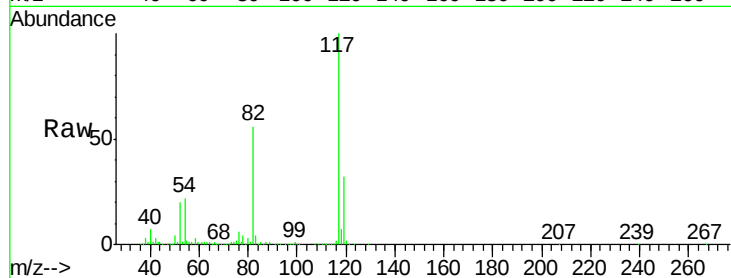
Tgt Ion:117 Resp: 277275

Ion Ratio Lower Upper

117 100

82 55.5 44.3 66.5

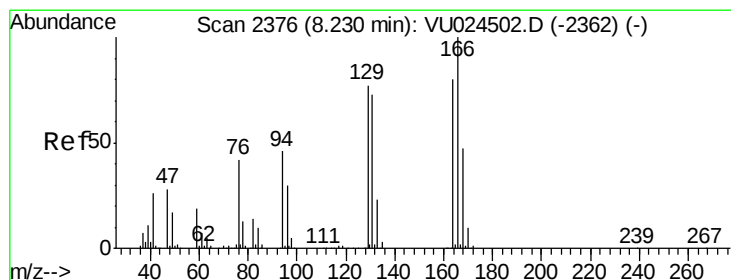
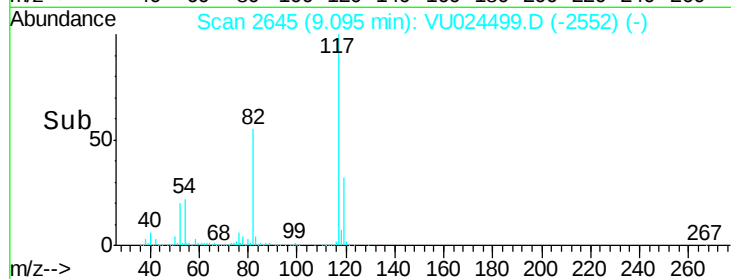
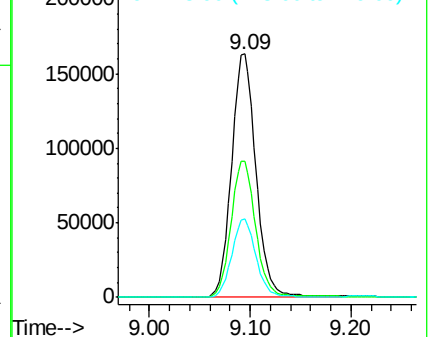
119 32.1 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.08 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:164 Resp: 2965

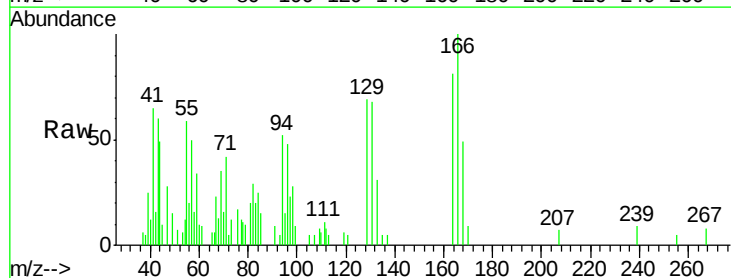
Ion Ratio Lower Upper

164 100

166 123.8 101.7 152.5

129 76.0 76.9 115.3#

131 84.7 74.9 112.3

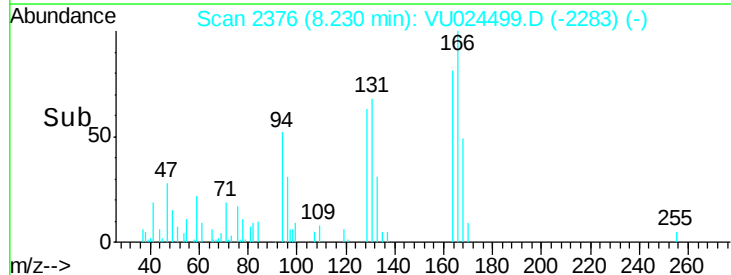
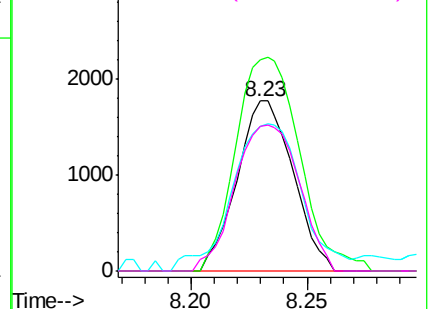


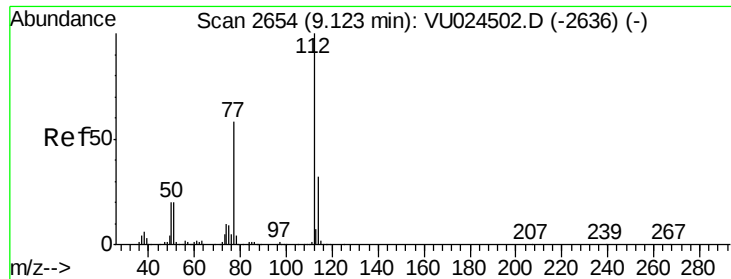
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 1.00 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

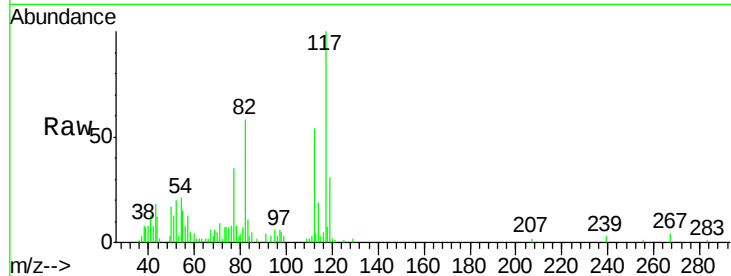
VSTDIC001

Tgt Ion:112 Resp: 8032

Ion Ratio Lower Upper

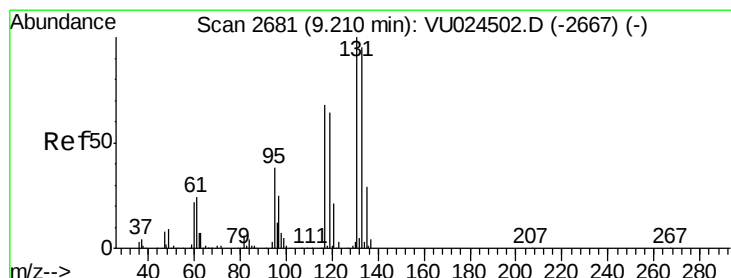
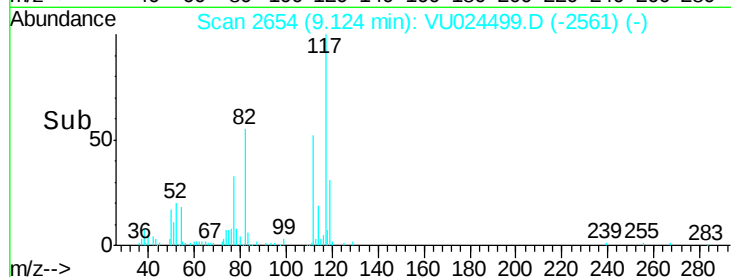
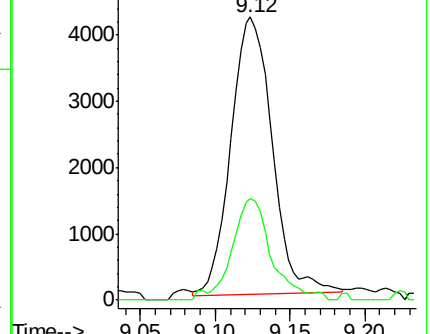
112 100

114 36.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.10 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

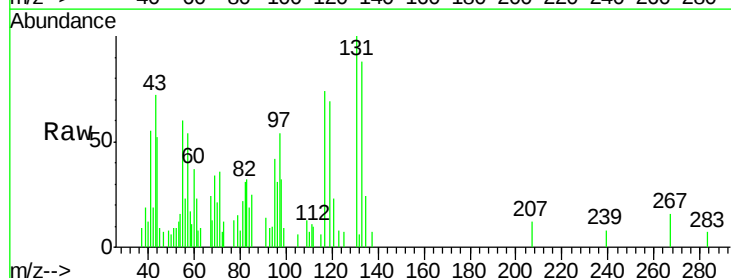
Tgt Ion:131 Resp: 3059

Ion Ratio Lower Upper

131 100

133 96.8 46.9 140.8

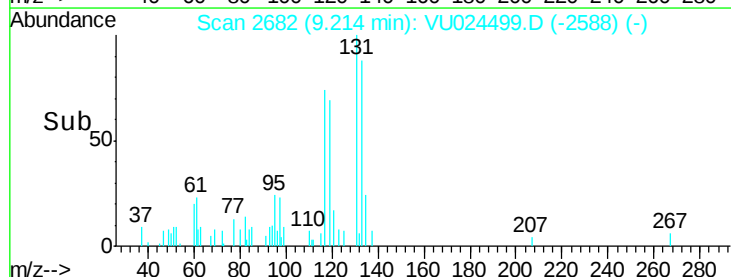
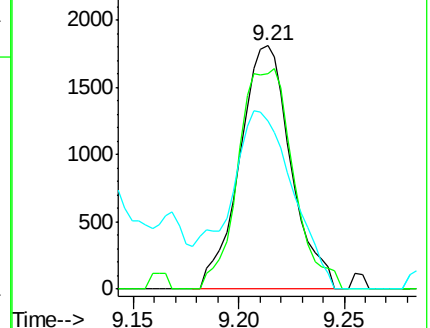
119 91.4 33.5 100.4

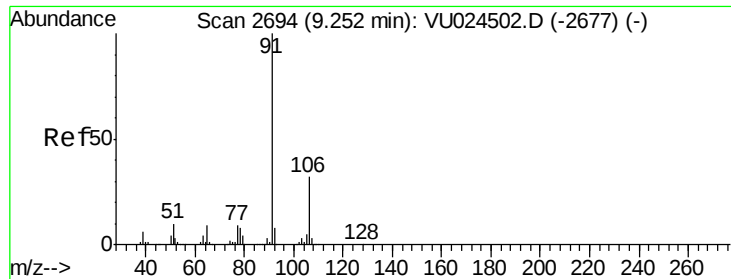


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

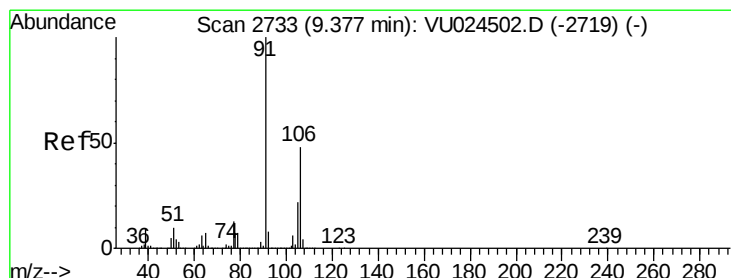
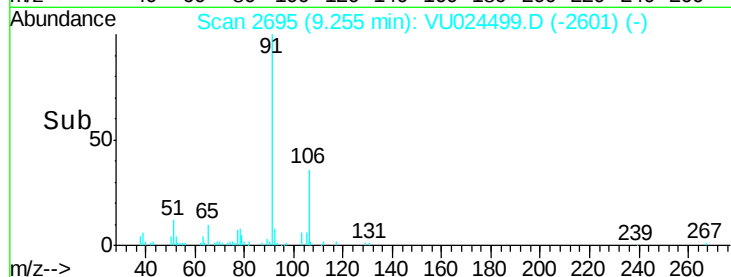
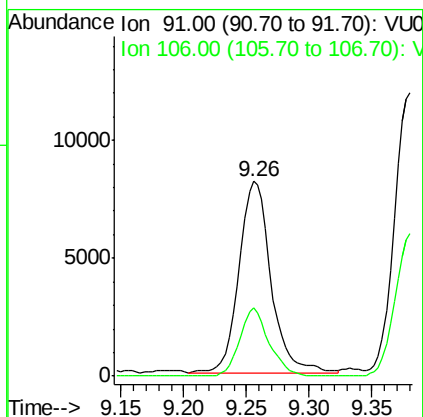
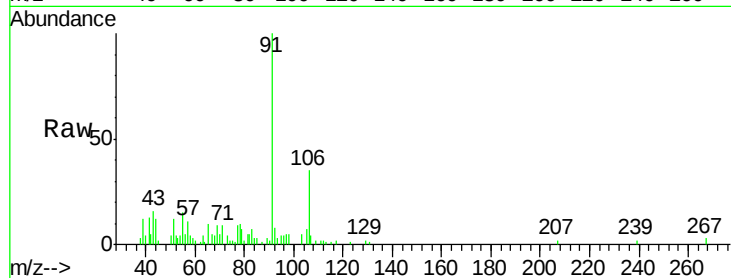




#67
Ethyl Benzene
Concen: 1.11 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

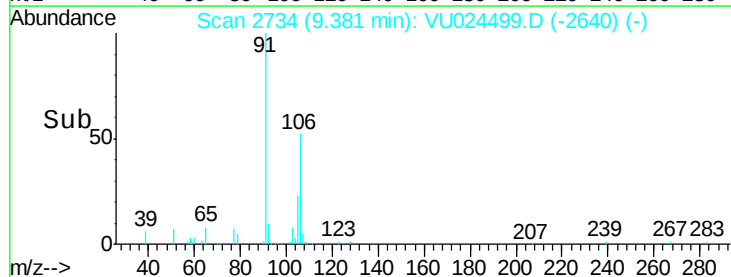
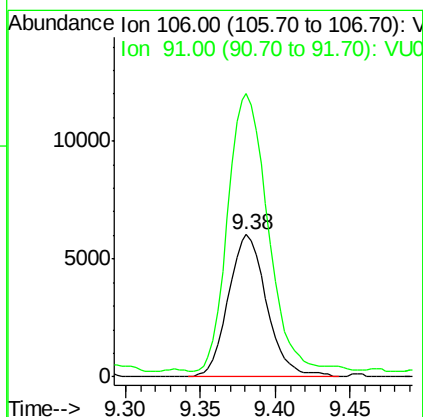
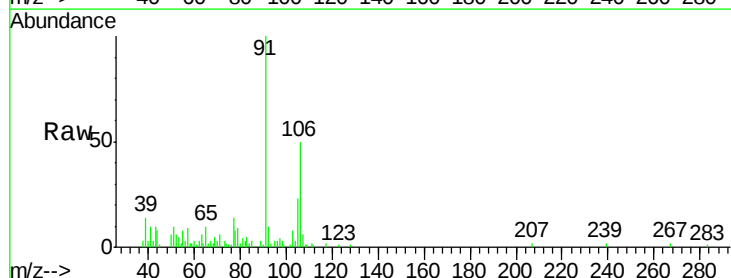
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

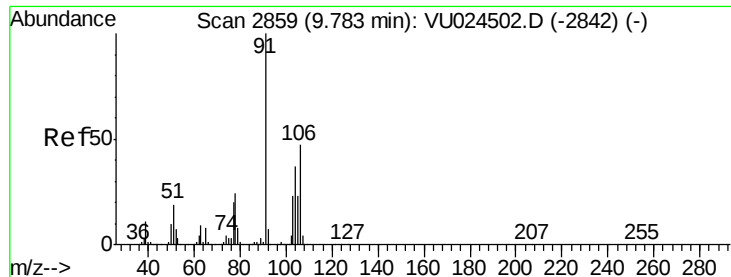
Tgt Ion: 91 Resp: 14453
Ion Ratio Lower Upper
91 100
106 35.5 24.2 36.4



#68
m/p-Xylenes
Concen: 2.18 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 106 Resp: 10822
Ion Ratio Lower Upper
106 100
91 203.8 166.5 249.7

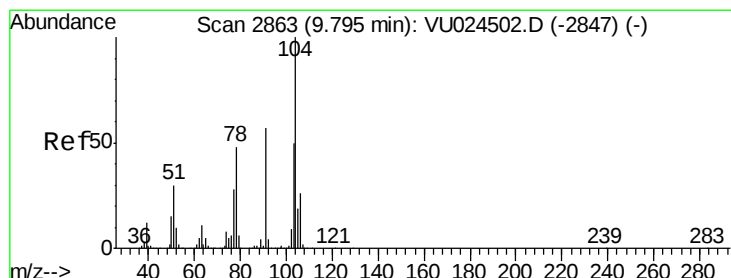
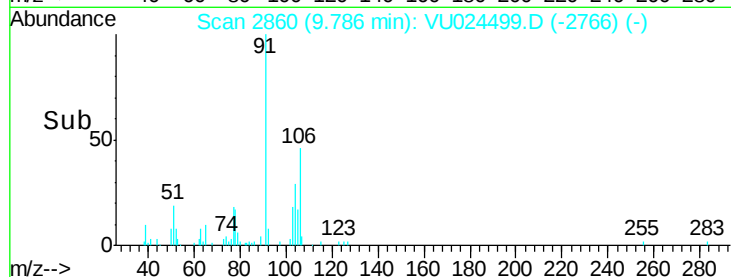
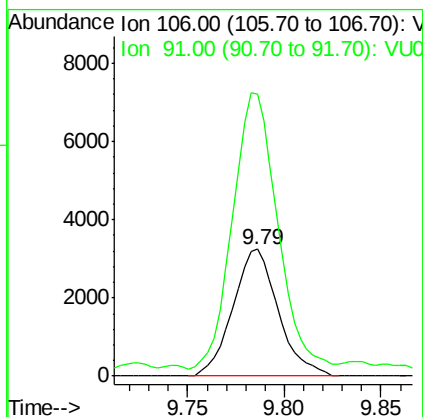
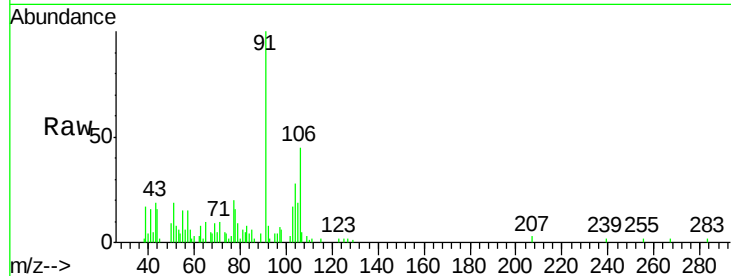




#69
o-Xylene
Concen: 1.16 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

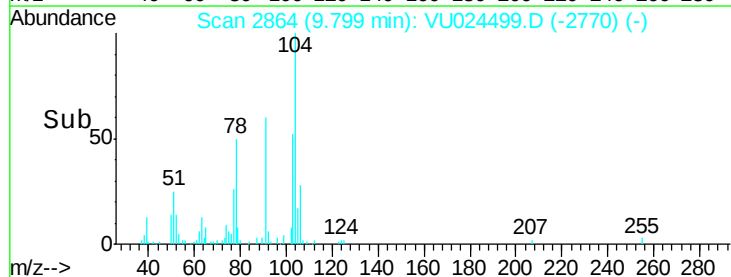
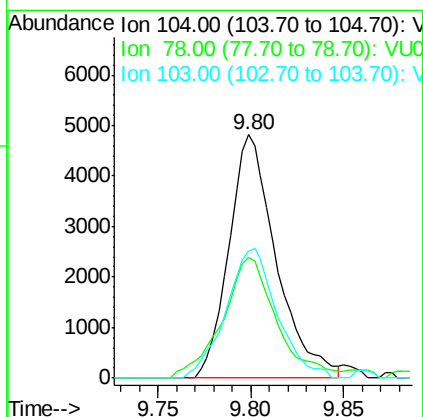
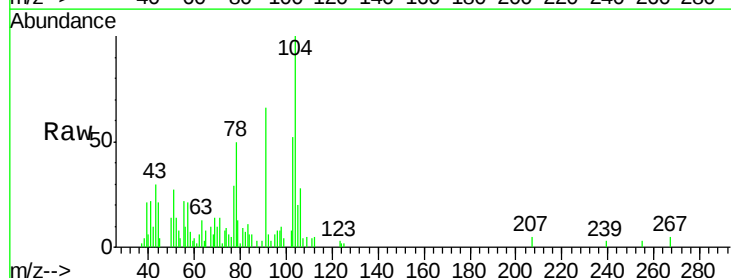
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

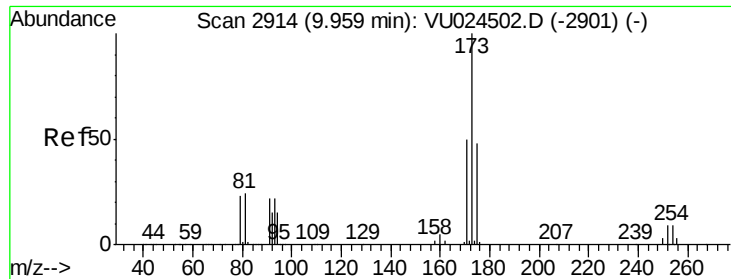
Tgt Ion:106 Resp: 5312
Ion Ratio Lower Upper
106 100
91 214.3 110.7 331.9



#70
Styrene
Concen: 1.10 ug/l
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion:104 Resp: 8522
Ion Ratio Lower Upper
104 100
78 56.5 40.6 60.8
103 57.5 44.7 67.1





#71

Bromoform

Concen: 1.19 ug/l

RT: 9.97 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

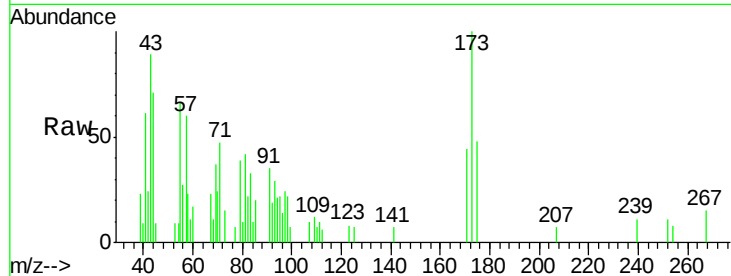
Tgt Ion:173 Resp: 2835

Ion Ratio Lower Upper

173 100

175 46.0 24.6 74.0

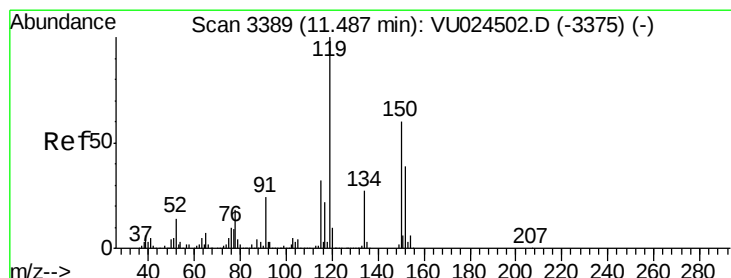
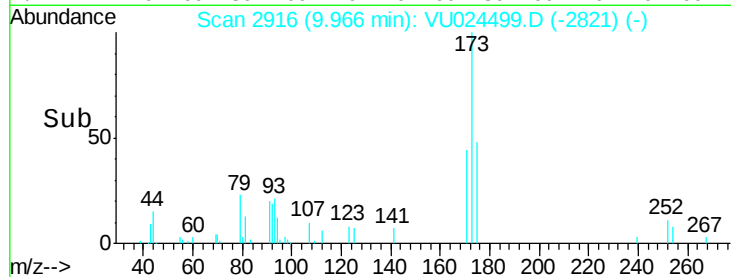
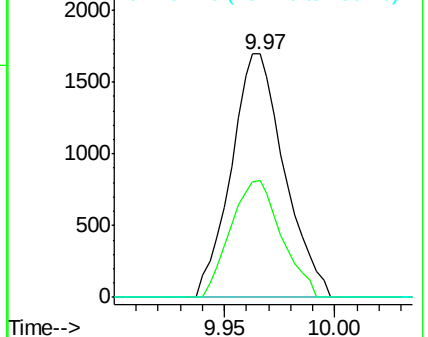
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

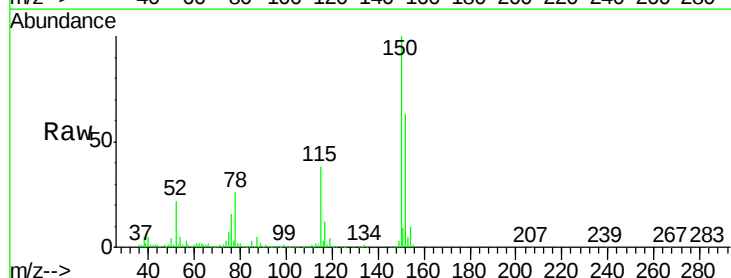
Tgt Ion:152 Resp: 155341

Ion Ratio Lower Upper

152 100

115 58.8 43.0 129.0

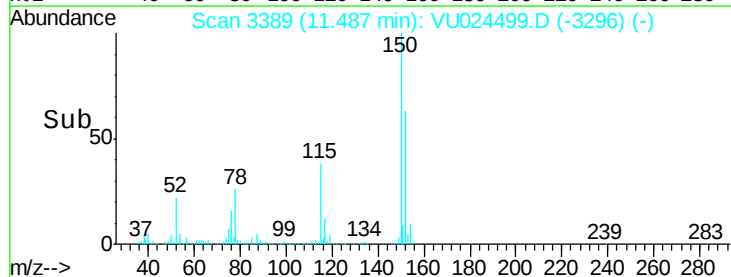
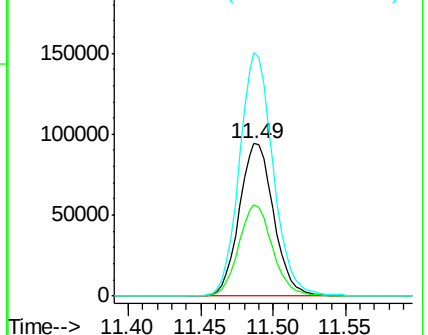
150 156.0 0.0 354.0

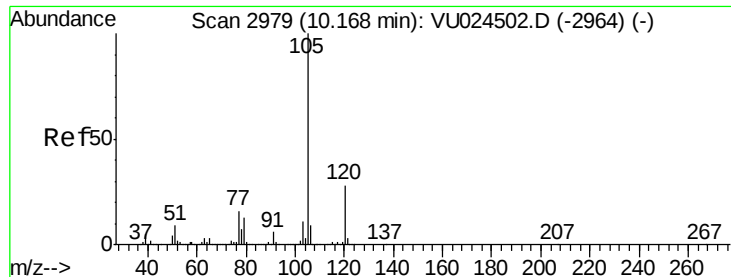


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.32 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

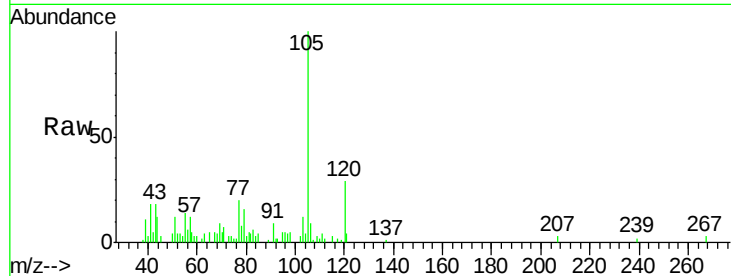
VSTDIC001

Tgt Ion: 105 Resp: 14125

Ion Ratio Lower Upper

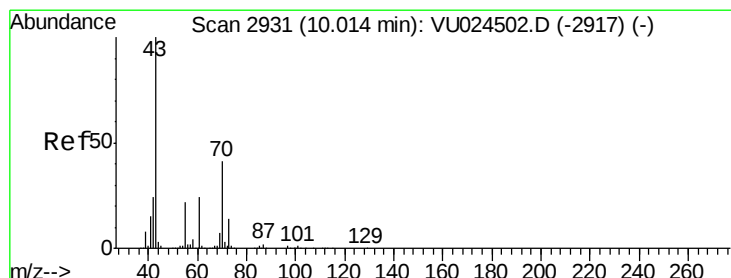
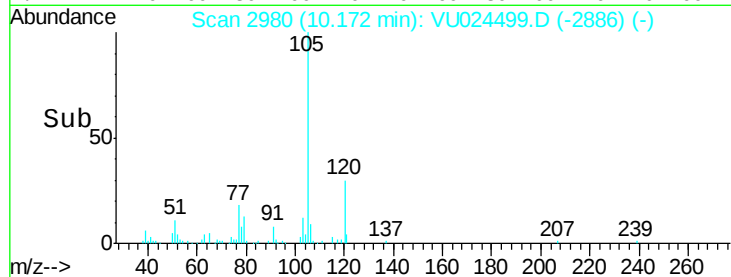
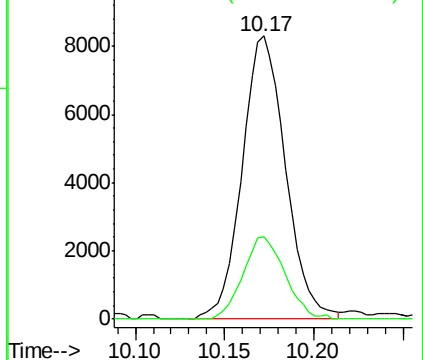
105 100

120 28.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.32 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion: 43 Resp: 6422

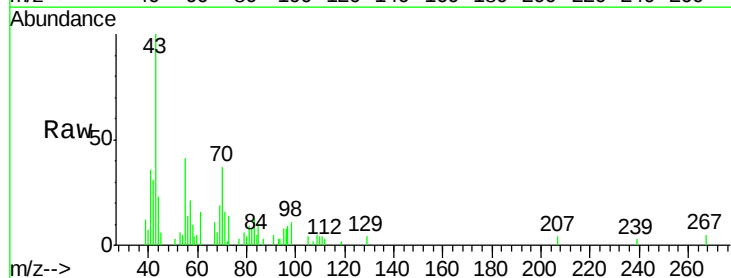
Ion Ratio Lower Upper

43 100

70 29.9 32.2 48.4#

55 14.3 20.5 30.7#

61 24.6 18.7 28.1

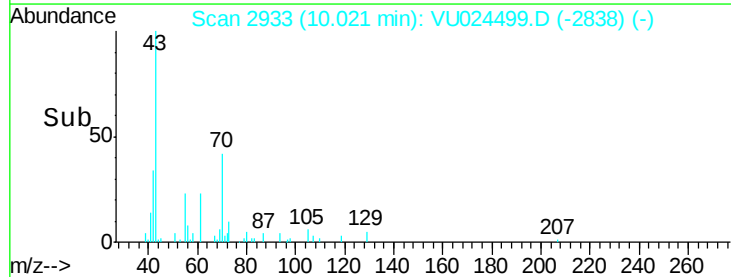
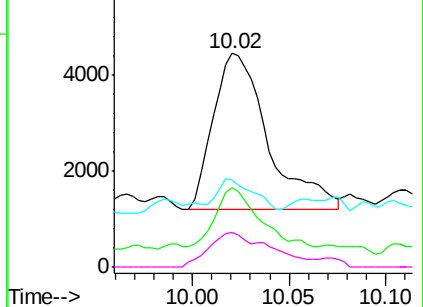


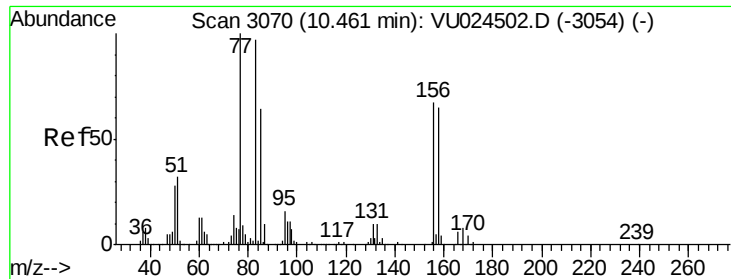
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.07 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

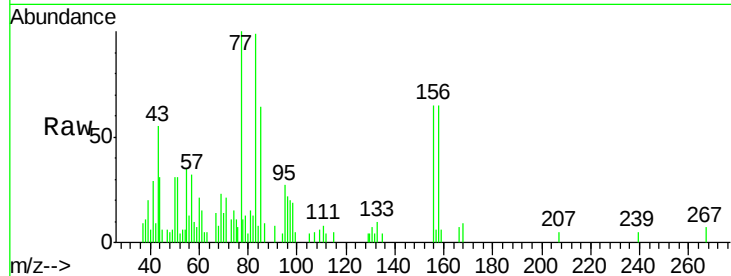
Tgt Ion: 83 Resp: 4967

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

85 56.5 32.5 97.5

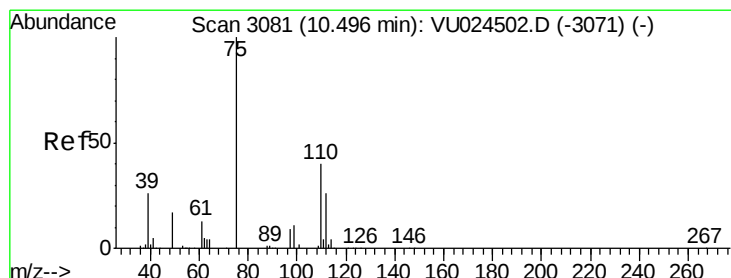
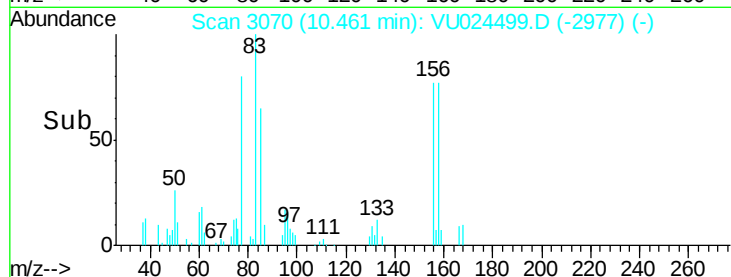


Abundance Ion 82.90 (82.60 to 83.60): VU024499.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024499.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024499.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 1.05 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024499.D

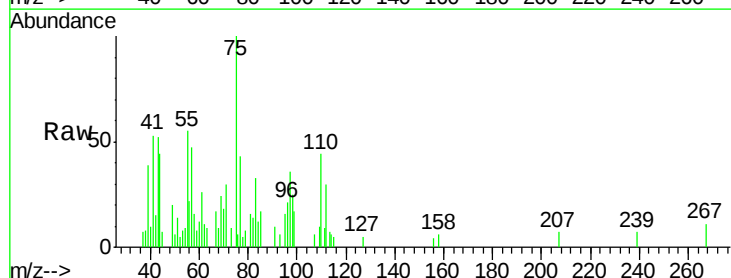
Acq: 13 Jun 2018 11:33

Tgt Ion: 75 Resp: 3427

Ion Ratio Lower Upper

75 100

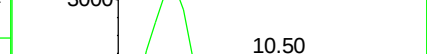
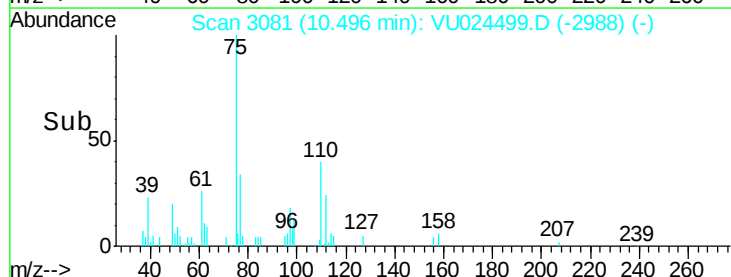
77 31.9 20.9 62.7

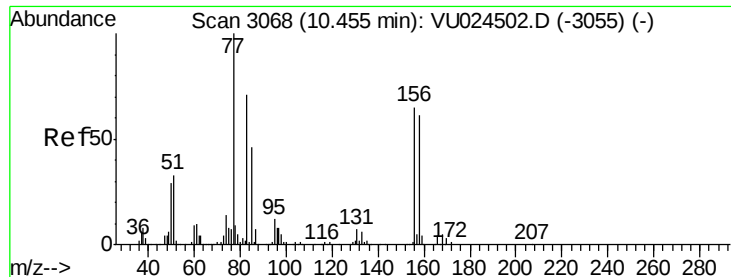


Abundance Ion 74.90 (74.60 to 75.60): VU024499.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024499.D (-2988) (-)

Time-->





#77

Bromobenzene

Concen: 1.19 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

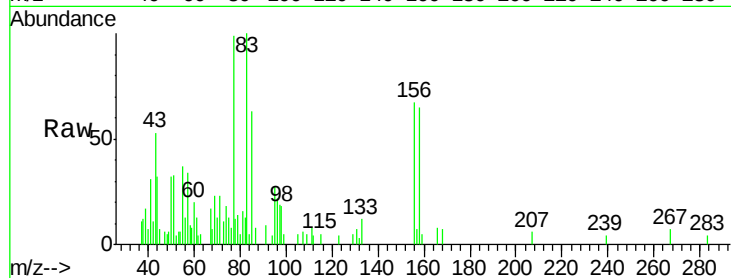
Tgt Ion:156 Resp: 3528

Ion Ratio Lower Upper

156 100

77 151.2 80.5 241.3

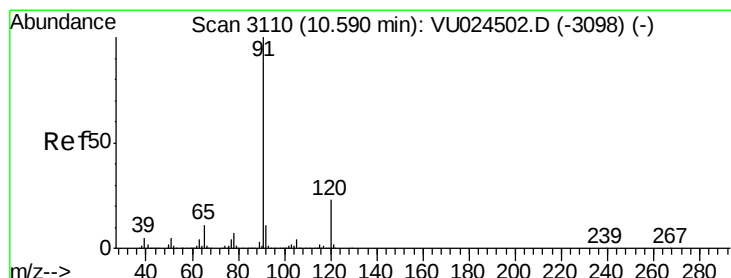
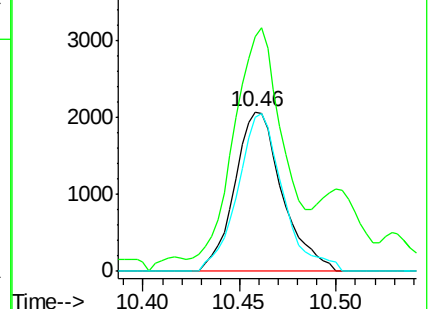
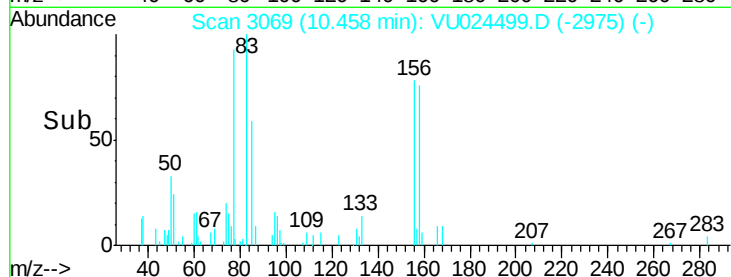
158 94.3 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.21 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024499.D

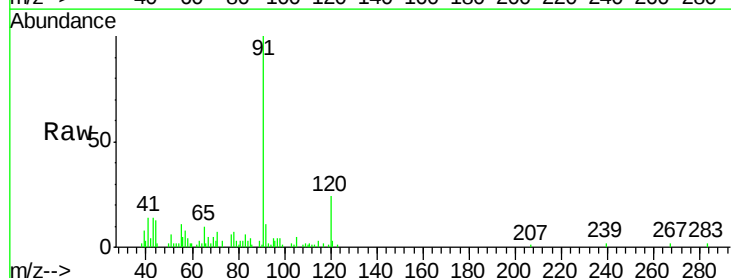
Acq: 13 Jun 2018 11:33

Tgt Ion: 91 Resp: 16077

Ion Ratio Lower Upper

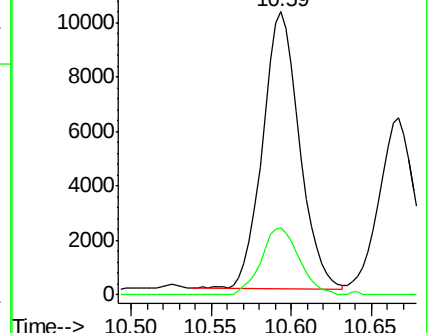
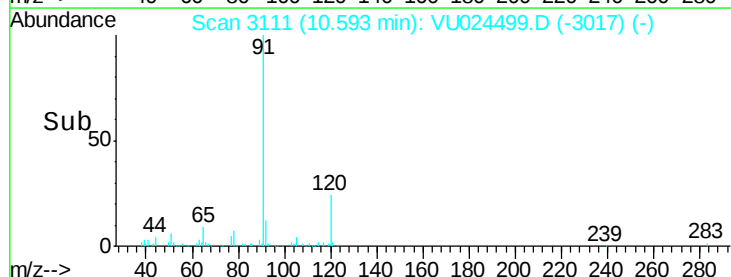
91 100

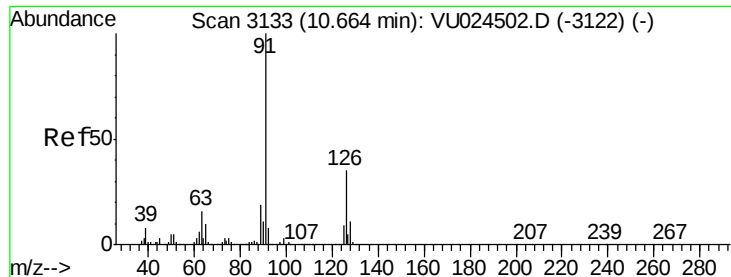
120 25.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.25 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

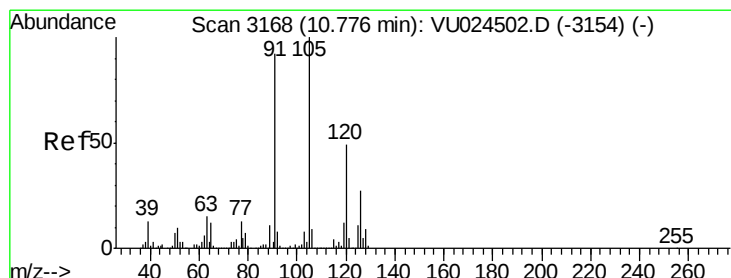
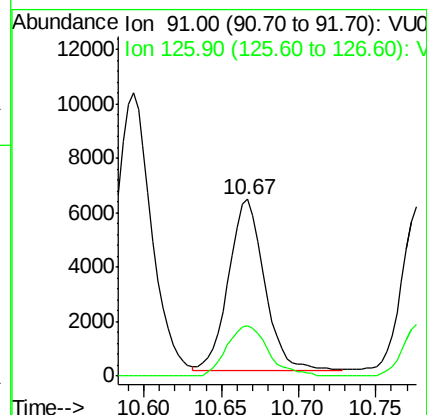
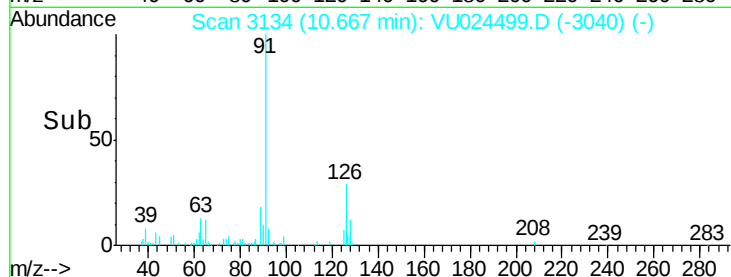
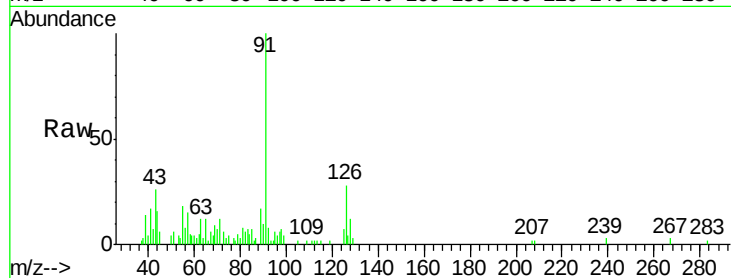
VSTDIC001

Tgt Ion: 91 Resp: 10098

Ion Ratio Lower Upper

91 100

126 34.0 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 1.39 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024499.D

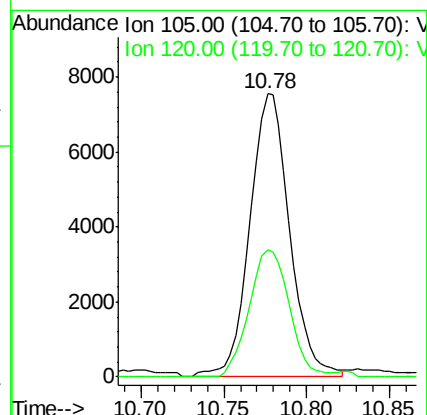
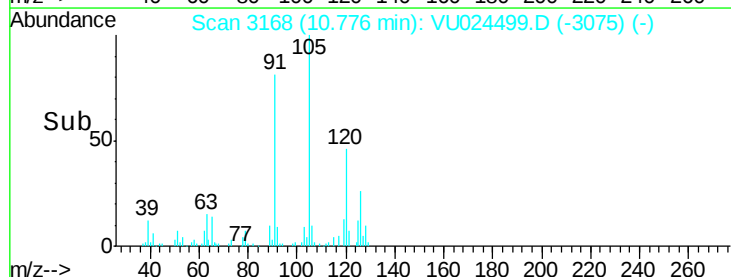
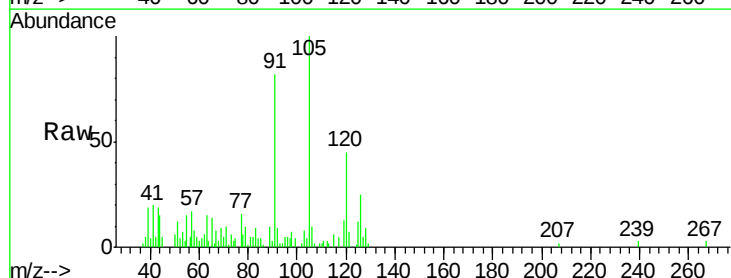
Acq: 13 Jun 2018 11:33

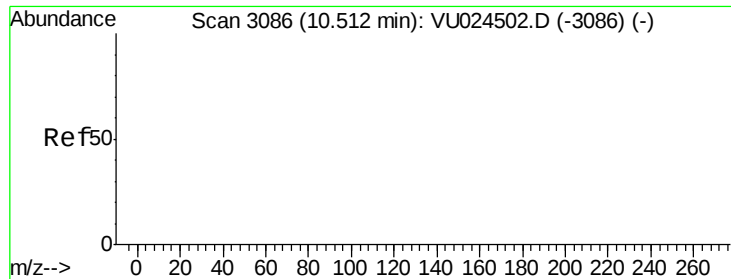
Tgt Ion: 105 Resp: 12626

Ion Ratio Lower Upper

105 100

120 45.4 24.1 72.2

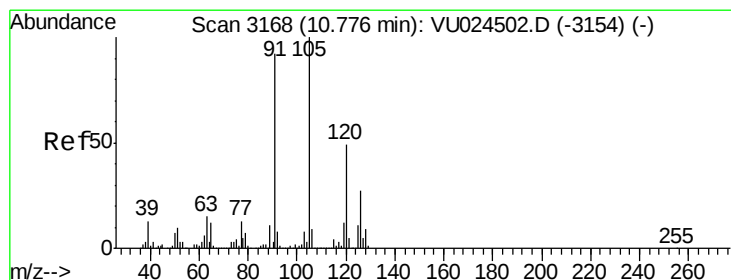
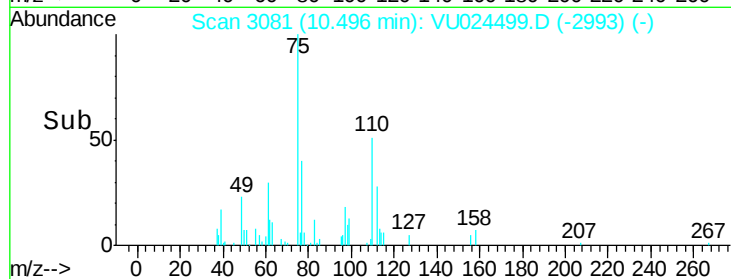
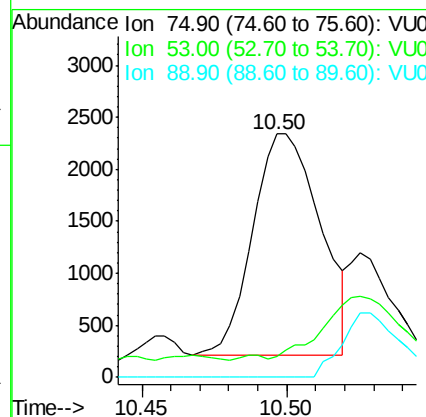
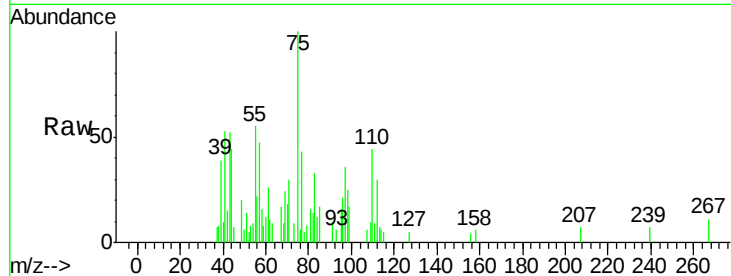




#81
trans-1,4-Dichloro-2-butene
Concen: 2.23 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

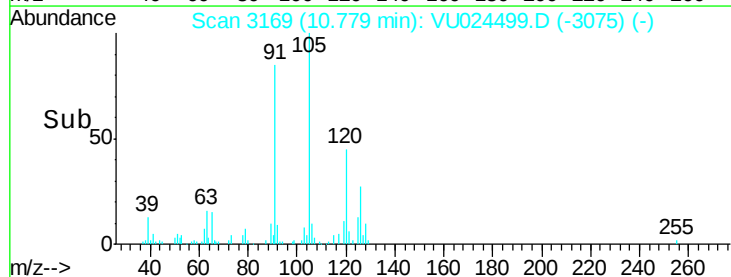
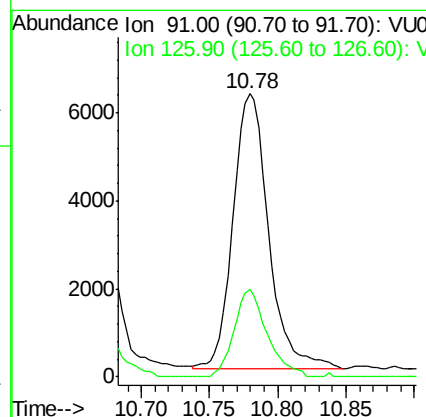
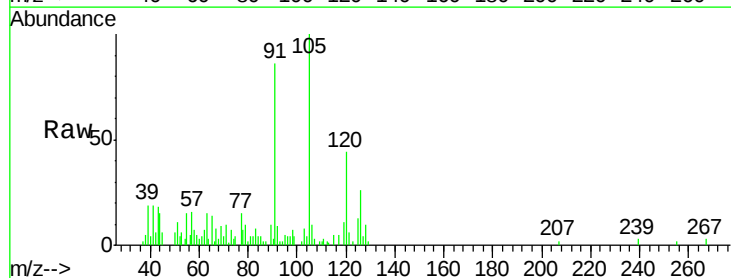
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

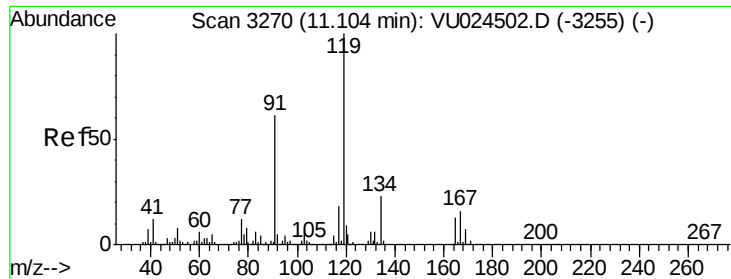
Tgt Ion: 75 Resp: 3427
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 1.21 ug/l
RT: 10.78 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 91 Resp: 11274
Ion Ratio Lower Upper
91 100
126 29.6 14.9 44.9

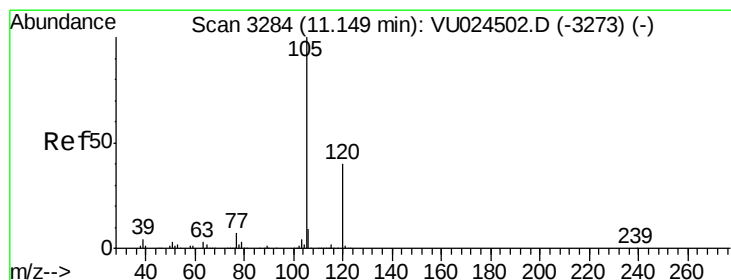
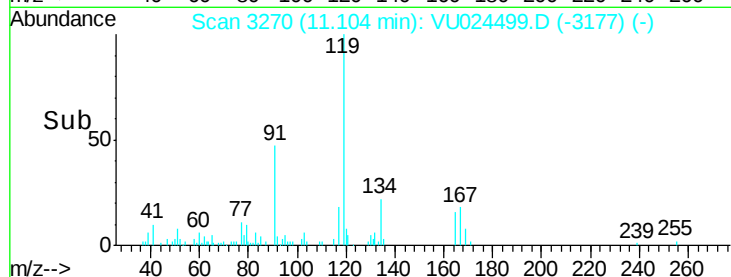
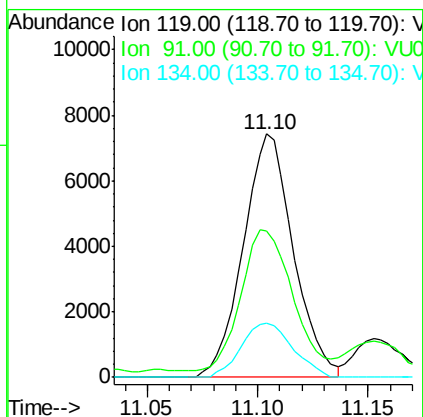
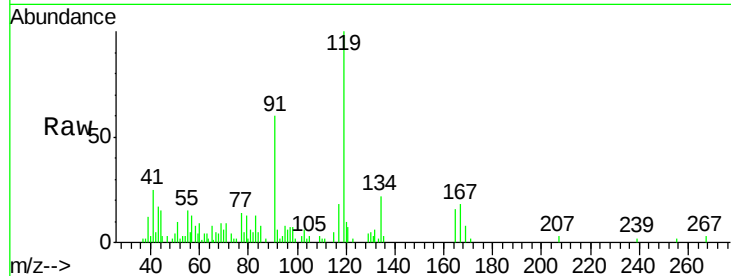




#83
tert-Butylbenzene
Concen: 1.33 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

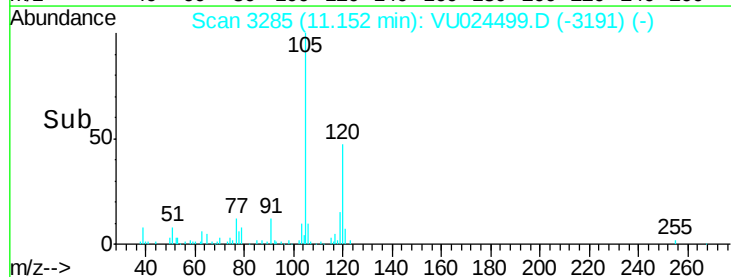
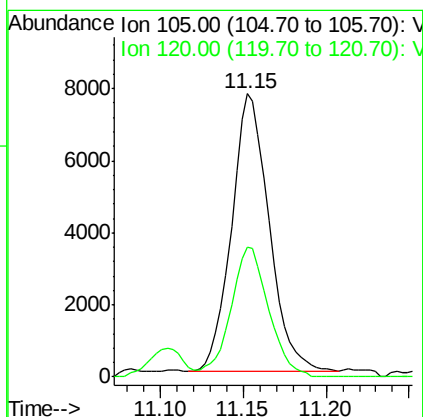
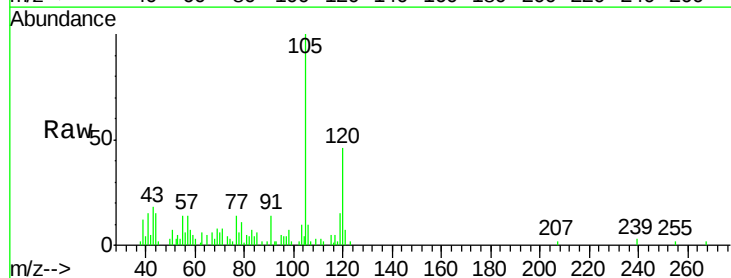
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

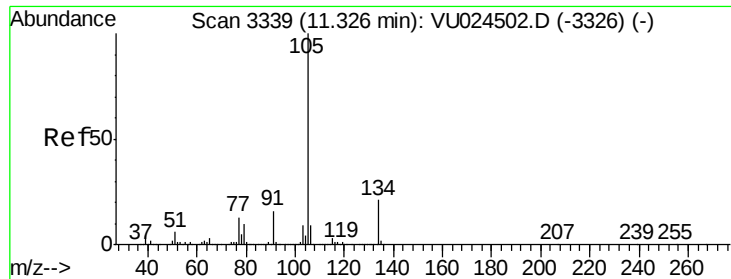
Tgt Ion:119 Resp: 11739
Ion Ratio Lower Upper
119 100
91 59.4 29.7 89.1
134 22.9 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 1.33 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion:105 Resp: 12165
Ion Ratio Lower Upper
105 100
120 47.1 22.6 67.8





#85

sec-Butylbenzene

Concen: 1.29 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

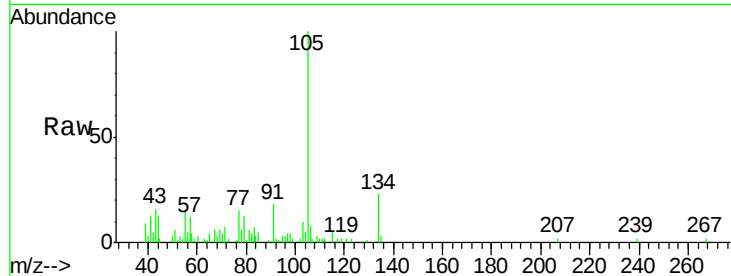
VSTDIC001

Tgt Ion:105 Resp: 14275

Ion Ratio Lower Upper

105 100

134 22.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

10000

8000

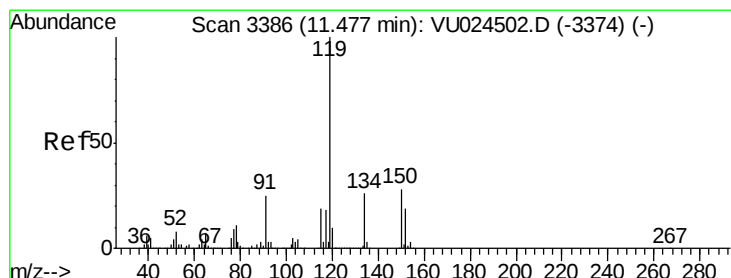
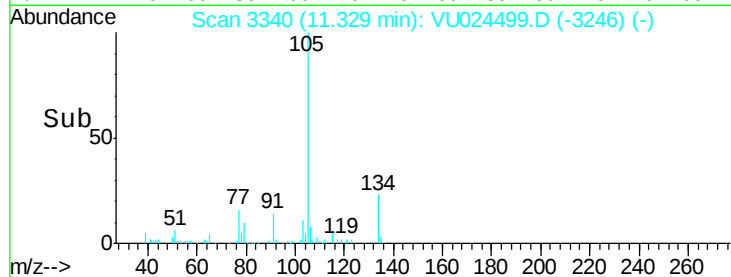
6000

4000

2000

0

Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 1.35 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

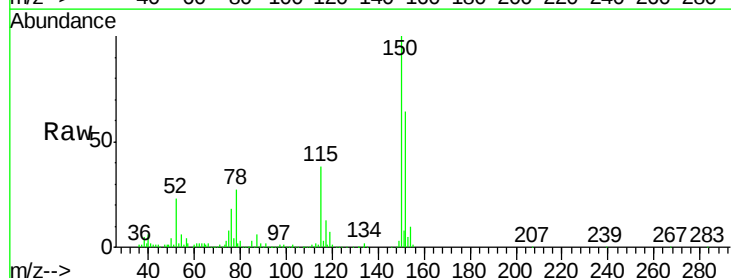
Tgt Ion:119 Resp: 13209

Ion Ratio Lower Upper

119 100

134 29.0 12.9 38.6

91 28.4 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

10000

8000

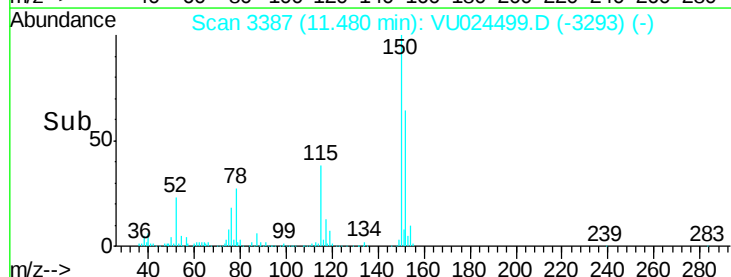
6000

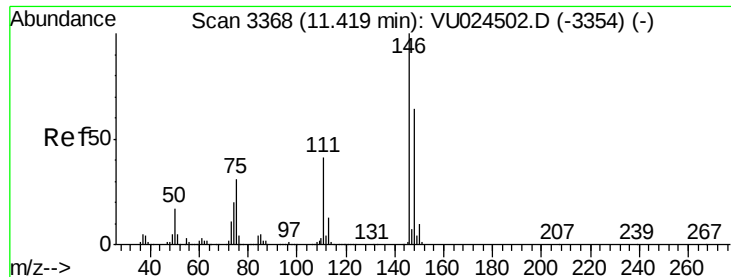
4000

2000

0

Time--> 11.40 11.45 11.50 11.55

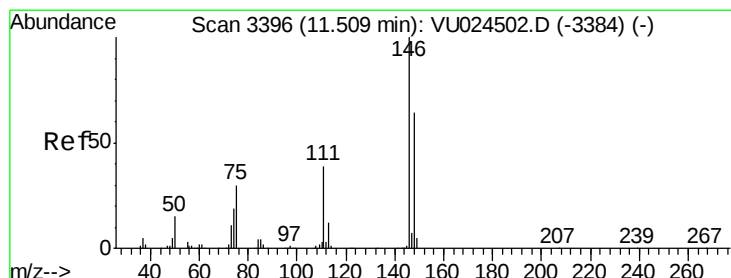
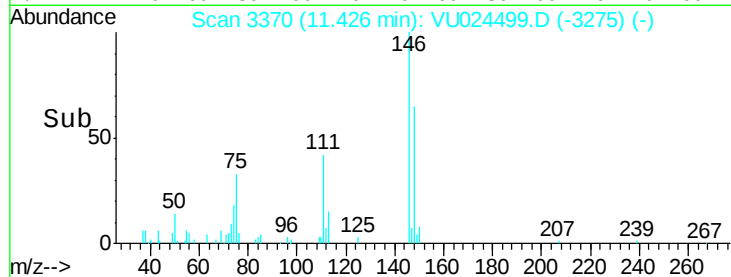
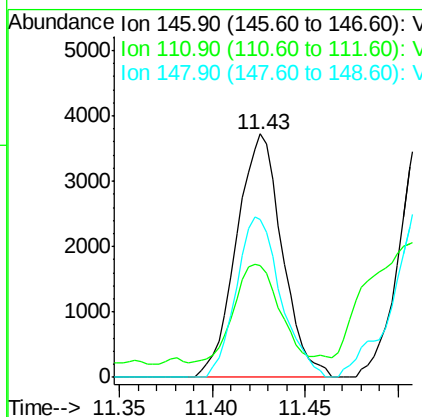
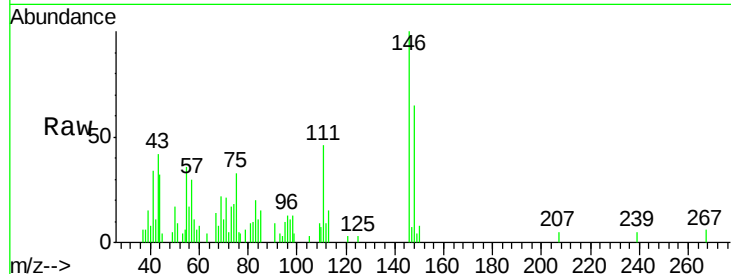




#87
 1,3-Dichlorobenzene
 Concen: 1.12 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

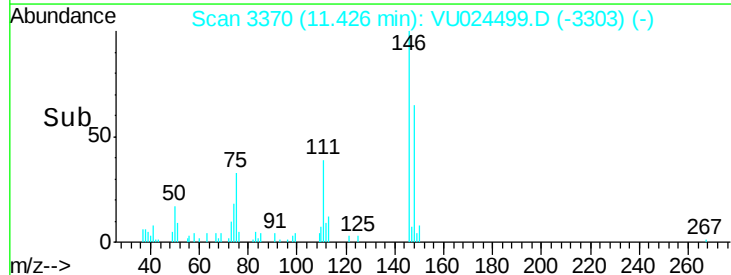
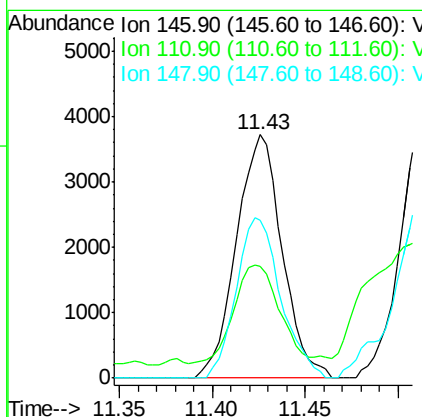
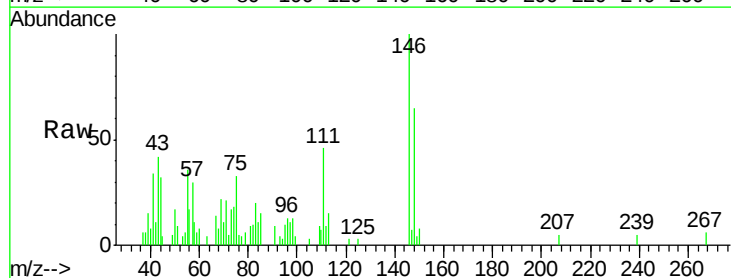
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

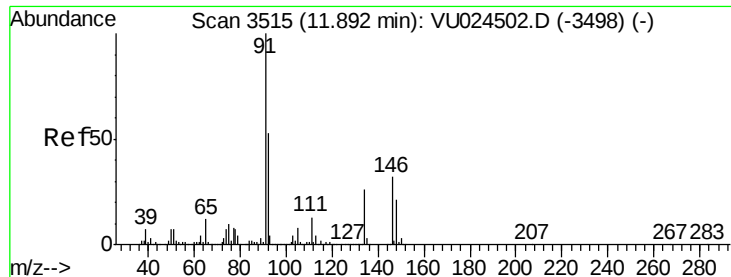
Tgt Ion:146 Resp: 6367
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.0 60.0
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 1.07 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. -0.08 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion:146 Resp: 6367
 Ion Ratio Lower Upper
 146 100
 111 43.5 19.5 58.5
 148 64.1 32.4 97.0





#89

n-Butylbenzene

Concen: 1.11 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

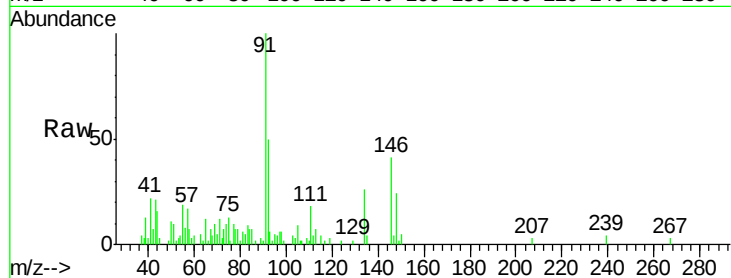
Tgt Ion: 91 Resp: 10695

Ion Ratio Lower Upper

91 100

92 53.7 25.6 76.8

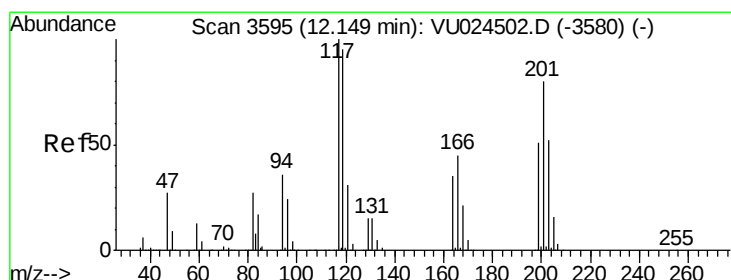
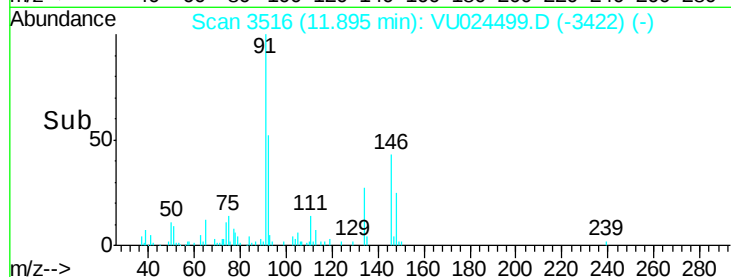
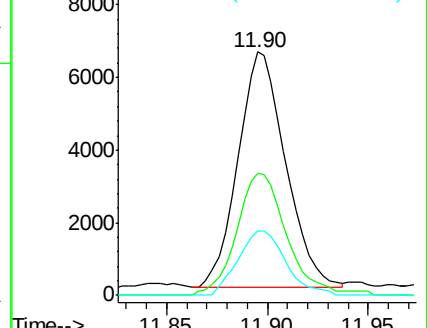
134 27.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)



#90

Hexachloroethane

Concen: 1.55 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024499.D

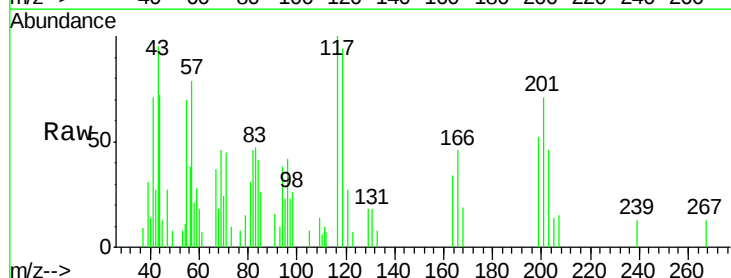
Acq: 13 Jun 2018 11:33

Tgt Ion: 117 Resp: 2720

Ion Ratio Lower Upper

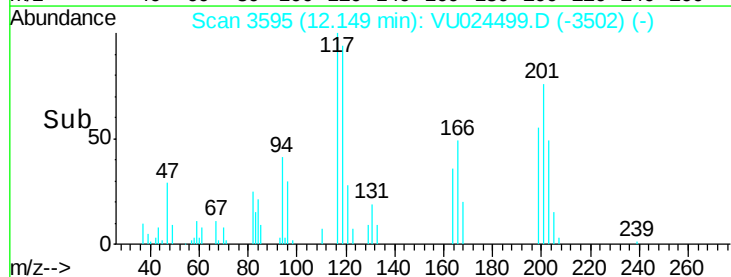
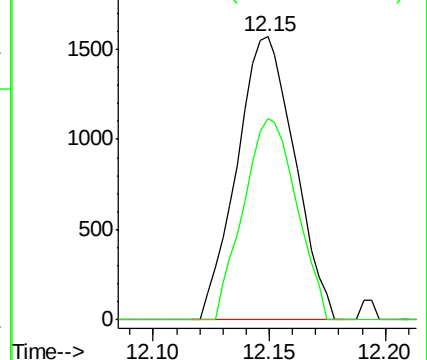
117 100

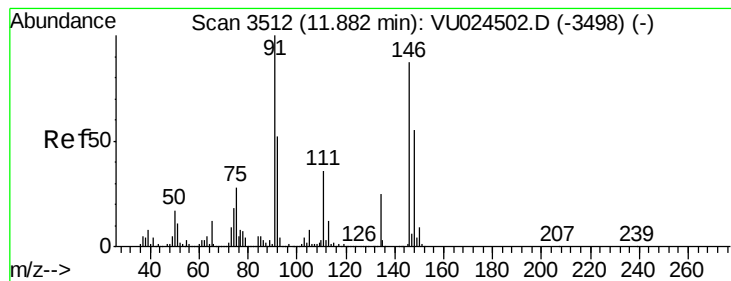
201 65.3 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)





#91

1,2-Dichlorobenzene

Concen: 1.17 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

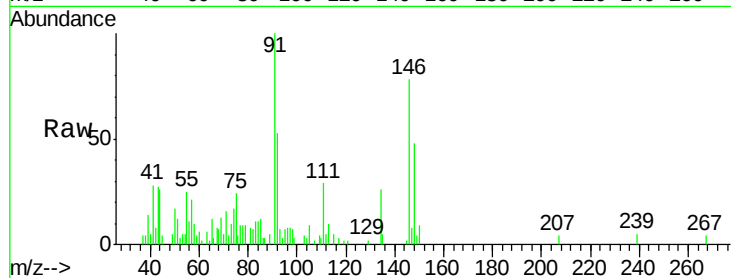
Tgt Ion:146 Resp: 6658

Ion Ratio Lower Upper

146 100

111 41.3 20.5 61.6

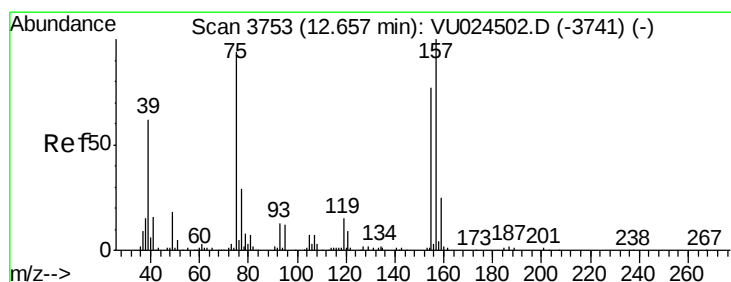
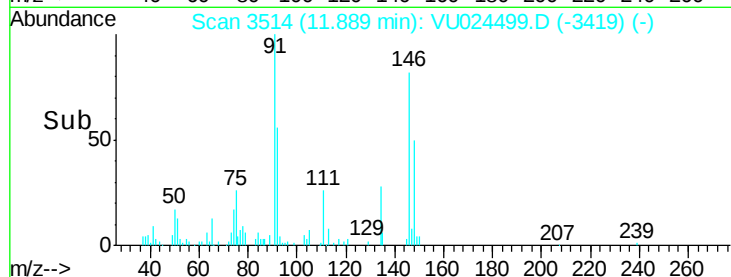
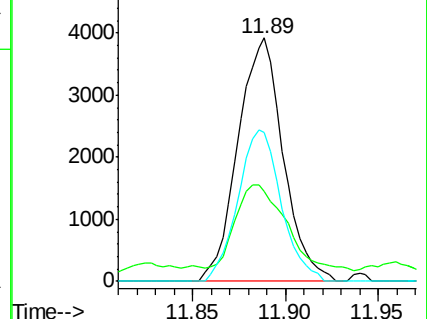
148 59.4 31.9 95.7



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: 1.24 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

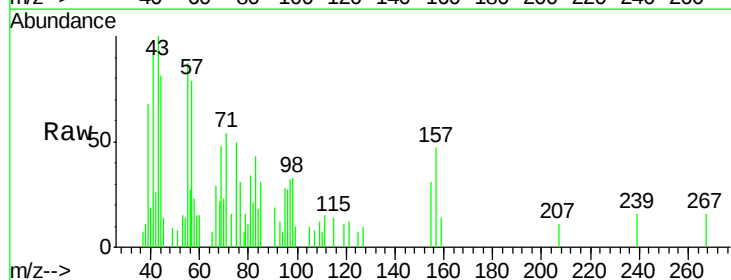
Tgt Ion: 75 Resp: 1177

Ion Ratio Lower Upper

75 100

155 93.5 40.4 121.2

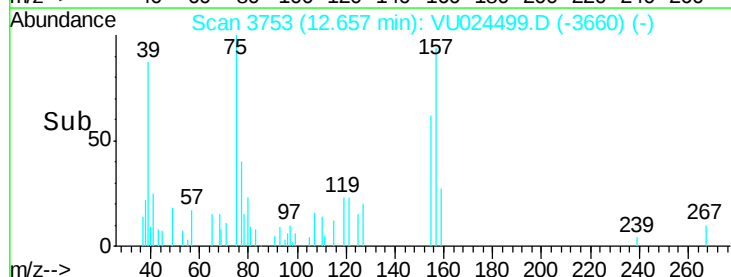
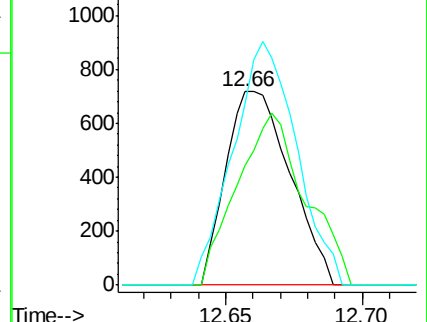
157 123.4 52.3 156.8

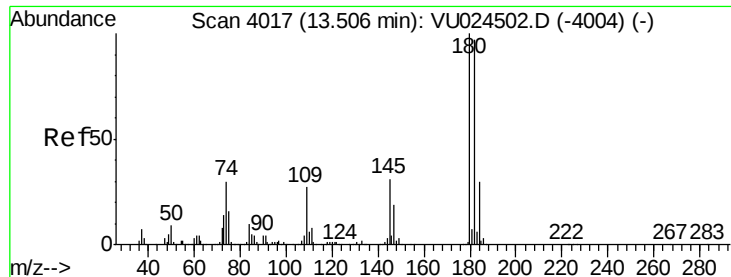


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

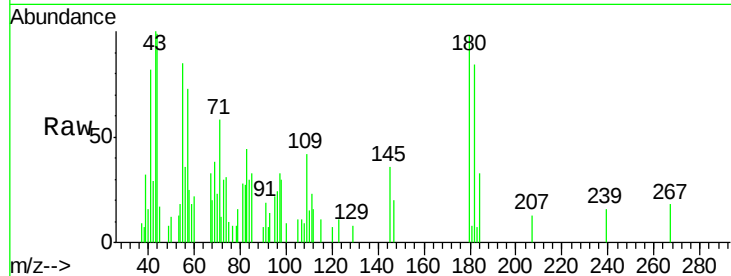




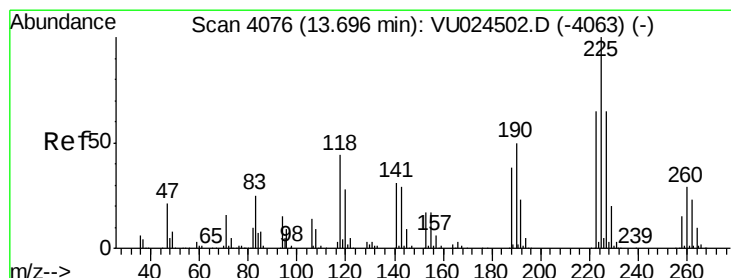
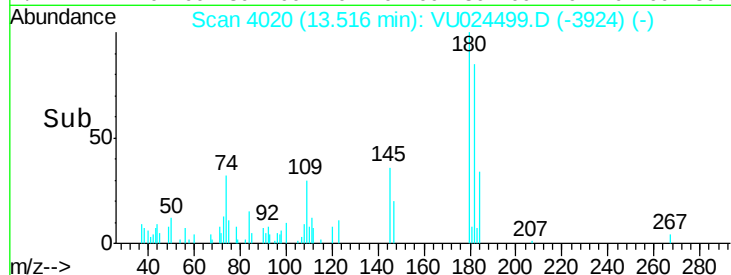
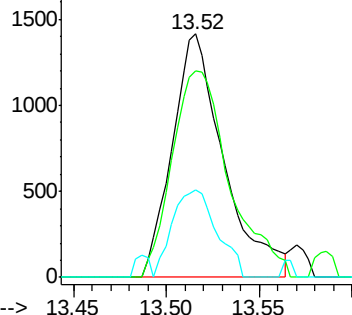
#93
 1,2,4-Trichlorobenzene
 Concen: 0.81 ug/l
 RT: 13.52 min Scan# 4020
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 2732
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.0 144.2
 145 30.9 14.7 44.1

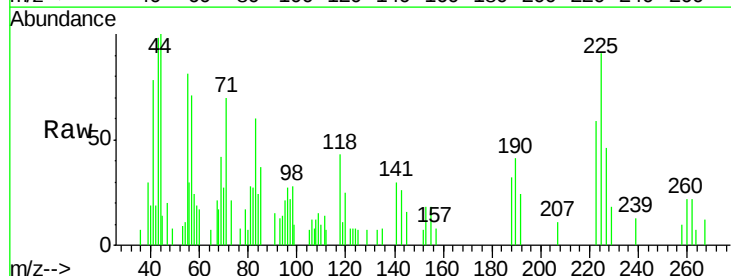


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

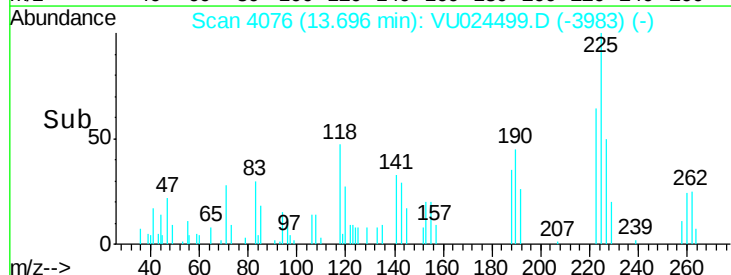
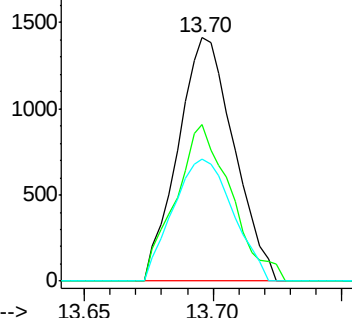


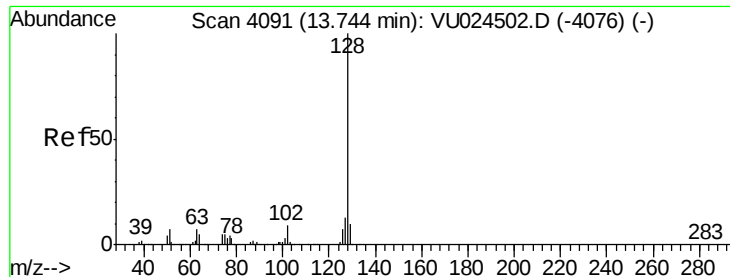
#94
 Hexachlorobutadiene
 Concen: 1.07 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion:225 Resp: 2145
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.3 93.8
 227 53.4 31.8 95.4



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





#95

Naphthalene

Concen: 0.76 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

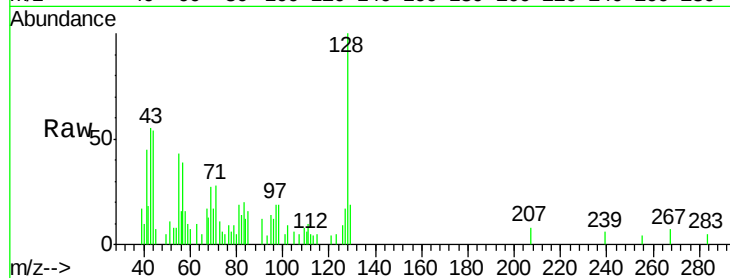
Tgt Ion:128 Resp: 6956

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

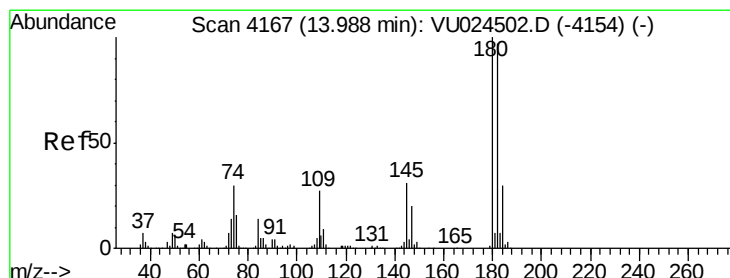
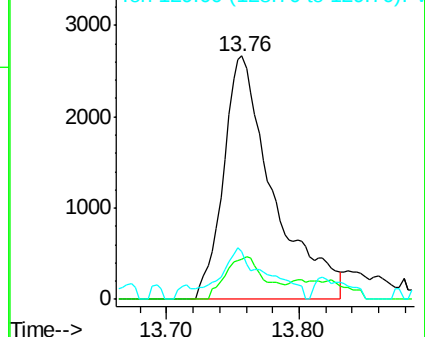
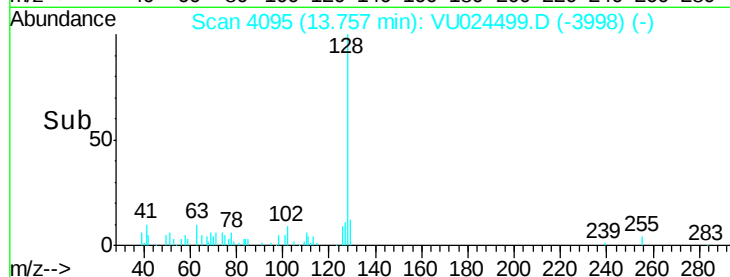
129 19.2 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.79 ug/l

RT: 14.00 min Scan# 4170

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

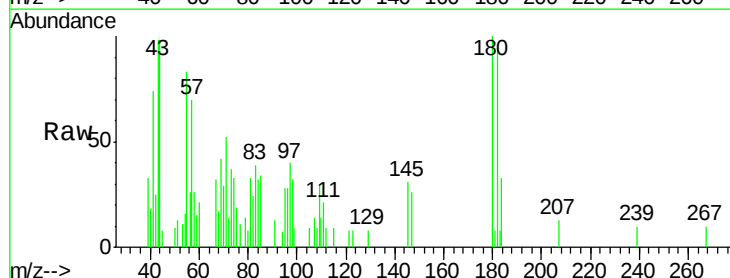
Tgt Ion:180 Resp: 2694

Ion Ratio Lower Upper

180 100

182 102.7 47.9 143.7

145 23.9 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

