

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062318\
 Data File : VU024862.D
 Acq On : 23 Jun 2018 03:30
 Operator : MD/SY
 Sample : J3592-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

Quant Time: Jun 23 04:46:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156589	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	124812	42.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.16%	
35) Dibromofluoromethane	4.89	113	101094	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
50) Toluene-d8	7.57	98	353774	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
62) 4-Bromofluorobenzene	10.31	95	141379	42.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	99927	44.46	ug/l	98
3) Chloromethane	1.33	50	96537	42.05	ug/l	98
4) Vinyl Chloride	1.40	62	344580	145.53	ug/l	99
5) Bromomethane	1.63	94	49504	43.25	ug/l	99
6) Chloroethane	1.70	64	69697	52.73	ug/l	98
7) Trichlorofluoromethane	1.89	101	175467	48.56	ug/l	99
8) Diethyl Ether	2.10	74	64008	52.13	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99171	44.24	ug/l	97
10) Methyl Iodide	2.41	142	98855	51.88	ug/l	99
11) Tert butyl alcohol	2.83	59	189381	265.66	ug/l	99
12) 1,1-Dichloroethene	2.29	96	93006	45.49	ug/l	96
13) Acrolein	2.20	56	49087	131.13	ug/l	97
14) Allyl chloride	2.60	41	173970	45.83	ug/l	92
15) Acrylonitrile	2.94	53	338570	244.11	ug/l	99
16) Acetone	2.33	43	335405	212.97	ug/l	99
17) Carbon Disulfide	2.48	76	262072	40.03	ug/l	99
18) Methyl Acetate	2.62	43	176701	52.34	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	366916	47.75	ug/l	97
20) Methylene Chloride	2.71	84	106310	43.02	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	118531	52.64	ug/l	98
22) Diisopropyl ether	3.57	45	352141	46.80	ug/l	95
23) Vinyl Acetate	3.53	43	1495674	221.89	ug/l	99
24) 1,1-Dichloroethane	3.45	63	201945	46.65	ug/l	97
25) 2-Butanone	4.27	43	516826	244.31	ug/l	97
26) 2,2-Dichloropropane	4.23	77	156661	38.11	ug/l	84
27) cis-1,2-Dichloroethene	4.23	96	490313	189.41	ug/l	91
28) Bromochloromethane	4.55	49	85236	44.70	ug/l	87
29) Tetrahydrofuran	4.64	42	325407	248.40	ug/l	96
30) Chloroform	4.68	83	213093	48.64	ug/l	99
31) Cyclohexane	5.00	56	181358	47.06	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	192425	47.49	ug/l	97
36) 1,1-Dichloropropene	5.14	75	149357	46.44	ug/l	98
37) Ethyl Acetate	4.38	43	178635	50.96	ug/l	98
38) Carbon Tetrachloride	5.14	117	176227	49.83	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.42	83	183423	45.70	ug/l	97
40) Benzene	5.39	78	437516	47.74	ug/l	100
41) Methacrylonitrile	4.54	41	101232	53.56	ug/l	98
42) 1,2-Dichloroethane	5.41	62	179287	51.37	ug/l	99
43) Isopropyl Acetate	5.55	43	281588	46.47	ug/l	98
44) Trichloroethene	6.19	130	174733	67.00	ug/l	93
45) 1,2-Dichloropropane	6.44	63	119625	48.92	ug/l	99
46) Dibromomethane	6.56	93	85721	49.91	ug/l	95
47) Bromodichloromethane	6.76	83	165247	48.32	ug/l	100
48) Methyl methacrylate	6.63	41	147098	49.86	ug/l	98
49) 1,4-Dioxane	6.63	88	80165	1389.33	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1004510	263.88	ug/l	98
52) Toluene	7.64	92	285269	48.38	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	174971	45.55	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	182947	44.70	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	119968	50.06	ug/l	98
56) Ethyl methacrylate	8.02	69	195389	48.71	ug/l	97
57) 1,3-Dichloropropane	8.25	76	203850	50.42	ug/l	99
59) 2-Hexanone	8.36	43	814270	262.01	ug/l	99
60) Dibromochloromethane	8.48	129	141223	47.25	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132572	49.70	ug/l	98
64) Tetrachloroethene	8.23	164	110171	44.94	ug/l	94
65) Chlorobenzene	9.12	112	325049	49.34	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	124331	49.68	ug/l	98
67) Ethyl Benzene	9.25	91	561424	48.61	ug/l	98
68) m/p-Xylenes	9.38	106	433453	97.74	ug/l	98
69) o-Xylene	9.78	106	217399	49.53	ug/l	97
70) Styrene	9.80	104	352387	48.86	ug/l	99
71) Bromoform	9.96	173	113861	47.86	ug/l #	98
73) Isopropylbenzene	10.17	105	595161	49.50	ug/l	99
74) N-amyl acetate	10.01	43	272520	47.66	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	206194	51.18	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	229871	66.68	ug/l	83
77) Bromobenzene	10.45	156	151793	49.87	ug/l	94
78) n-propylbenzene	10.59	91	674400	47.62	ug/l	97
79) 2-Chlorotoluene	10.66	91	401455	48.07	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	505639	48.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	229871	154.32	ug/l #	100
82) 4-Chlorotoluene	10.78	91	465481	47.89	ug/l	99
83) tert-Butylbenzene	11.10	119	511931	51.07	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	519609	48.93	ug/l	100
85) sec-Butylbenzene	11.33	105	616482	49.13	ug/l	98
86) p-Isopropyltoluene	11.48	119	545396	48.54	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	275183	48.94	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	276641	48.88	ug/l	100
89) n-Butylbenzene	11.89	91	468261	46.94	ug/l	96
90) Hexachloroethane	12.15	117	95381	43.51	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	283679	50.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58609	52.72	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	195989	56.35	ug/l	99

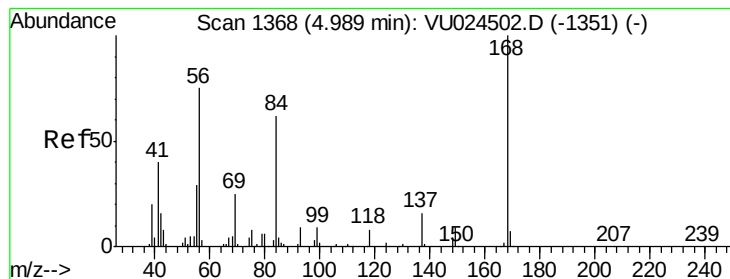
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	99259	50.70	ug/l	99
95) Naphthalene	13.74	128	682343	59.14	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	205699	59.35	ug/l	99

(#) = 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: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

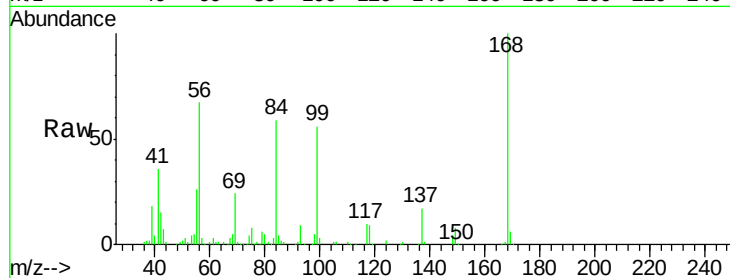
S32-0627MSD

Tot Ion:168 Resp: 179546

Ion Ratio Lower Upper

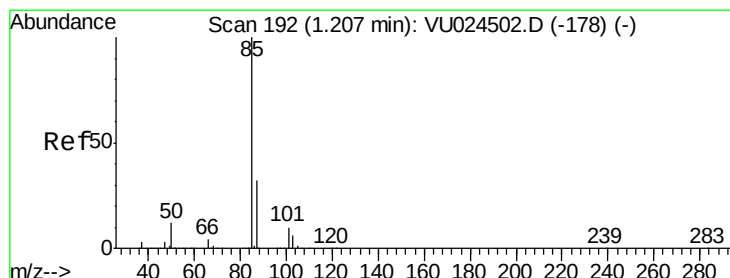
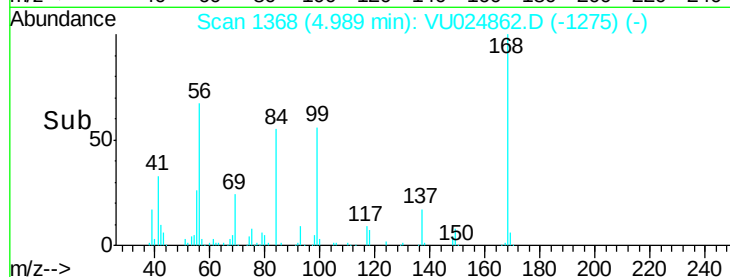
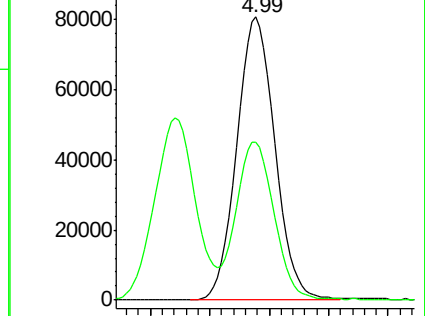
168 100

99 55.6 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: 44.46 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024862.D

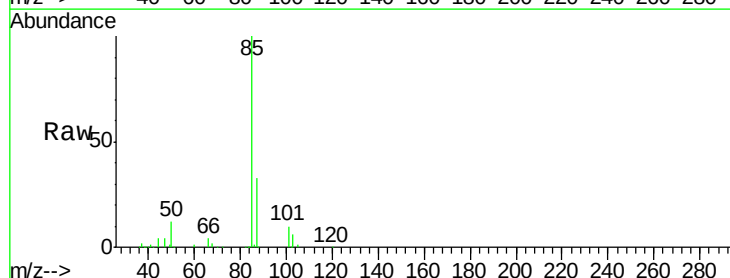
Acq: 23 Jun 2018 03:30

Tgt Ion: 85 Resp: 99927

Ion Ratio Lower Upper

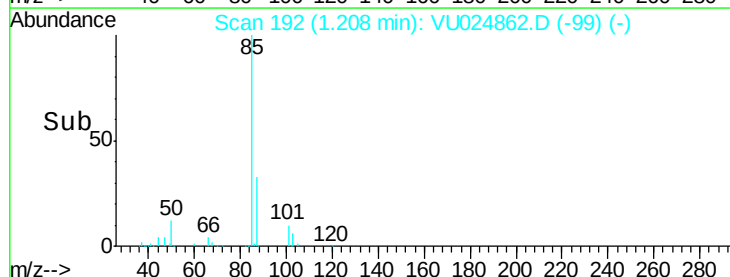
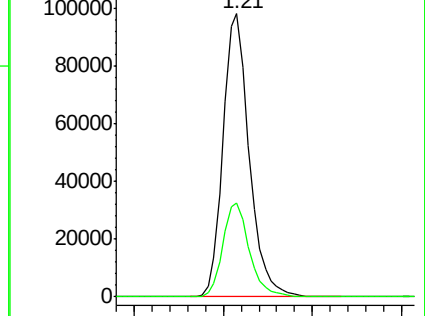
85 100

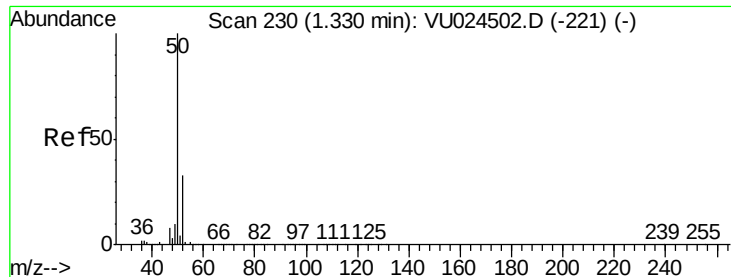
87 33.4 16.1 48.2



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: 42.05 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

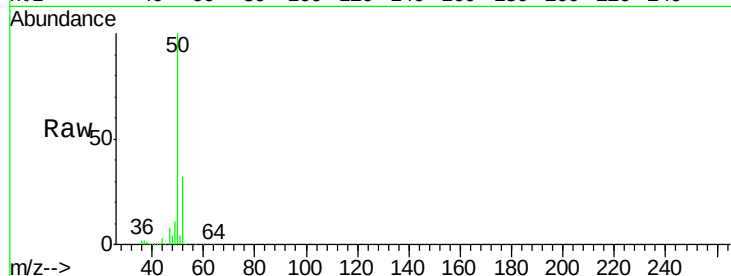
S32-0627MSD

Tot Ion: 50 Resp: 96537

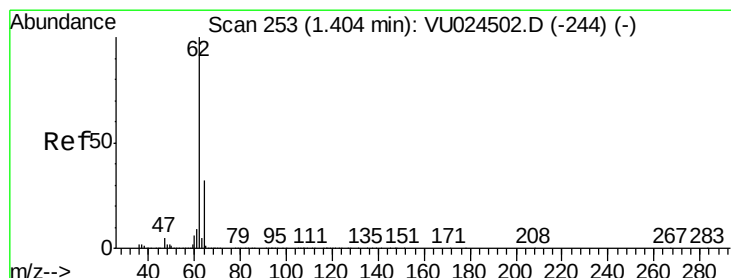
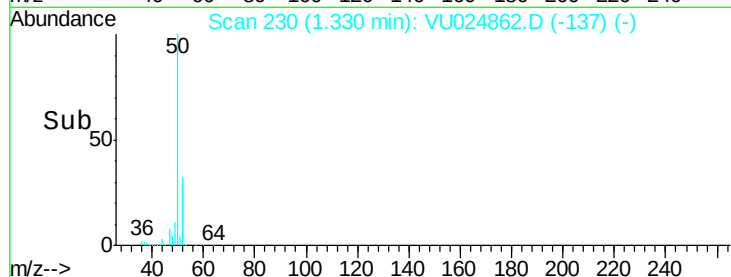
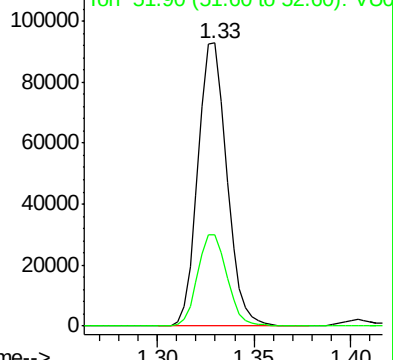
Ion Ratio Lower Upper

50 100

52 32.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024862.D (-137) (-)



#4

Vinyl Chloride

Concen: 145.53 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024862.D

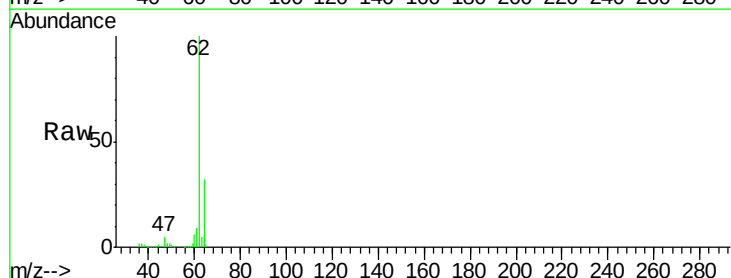
Acq: 23 Jun 2018 03:30

Tgt Ion: 62 Resp: 344580

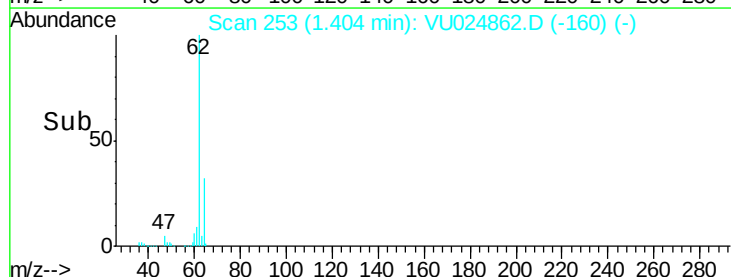
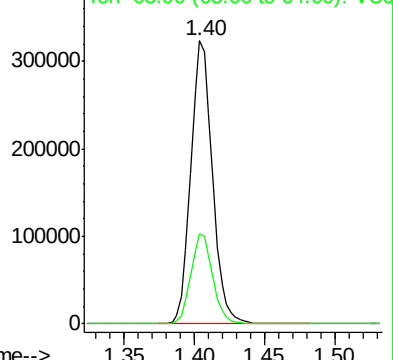
Ion Ratio Lower Upper

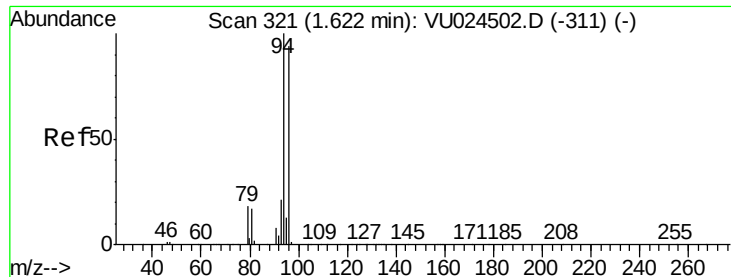
62 100

64 31.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024862.D (-160) (-)





#5

Bromomethane

Concen: 43.25 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

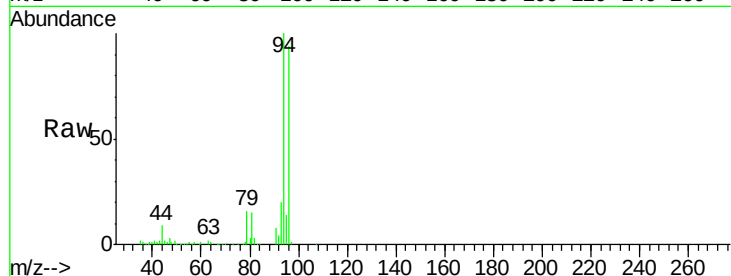
S32-0627MSD

Tot Ion: 94 Resp: 49504

Ion Ratio Lower Upper

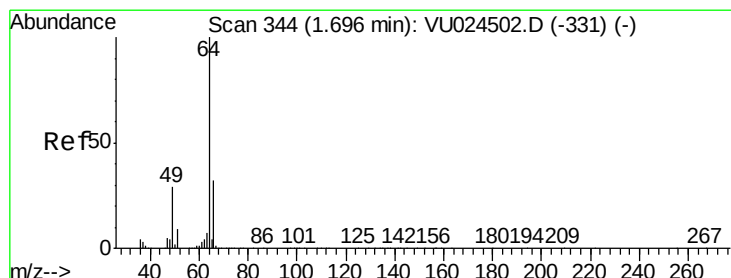
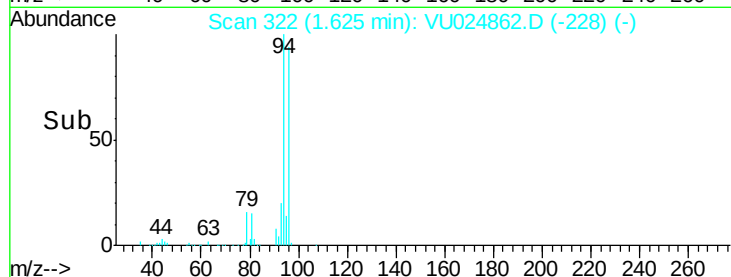
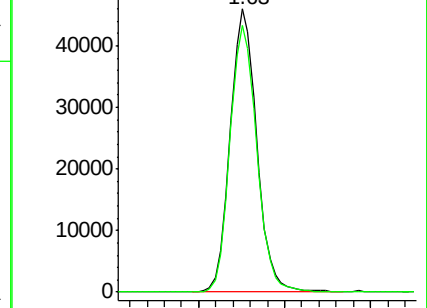
94 100

96 94.1 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: 52.73 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024862.D

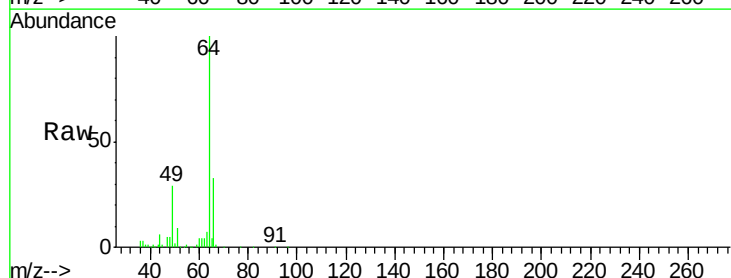
Acq: 23 Jun 2018 03:30

Tgt Ion: 64 Resp: 69697

Ion Ratio Lower Upper

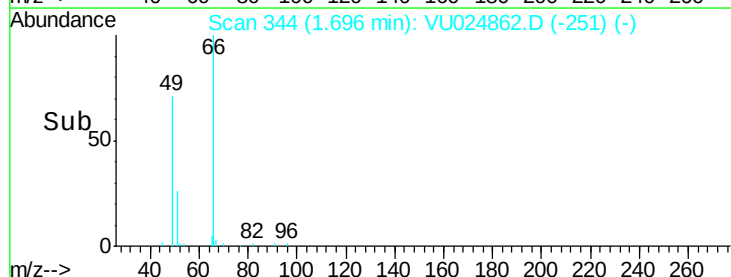
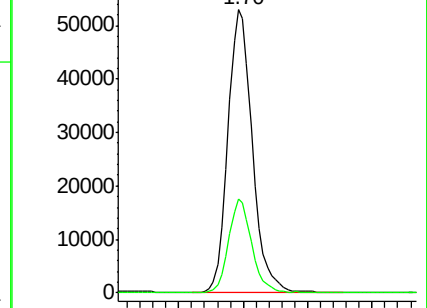
64 100

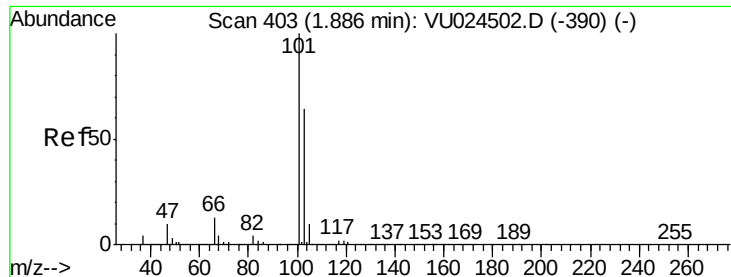
66 33.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 48.56 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

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ClientSampleId :

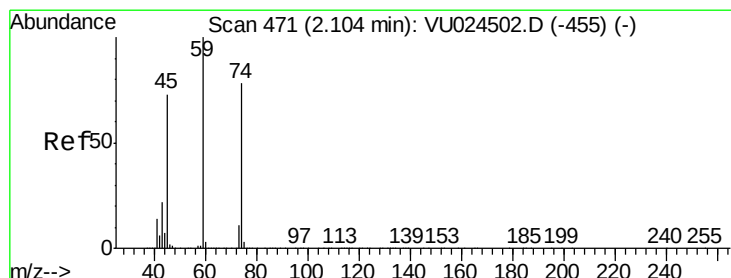
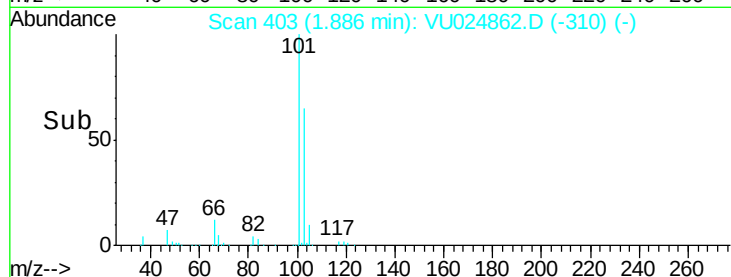
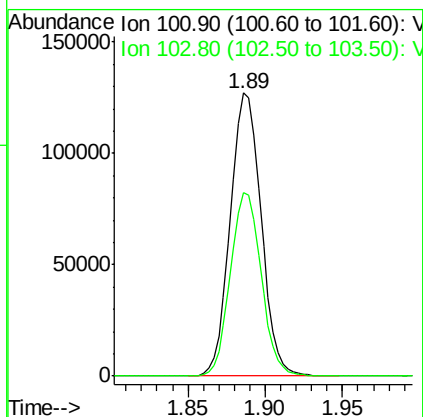
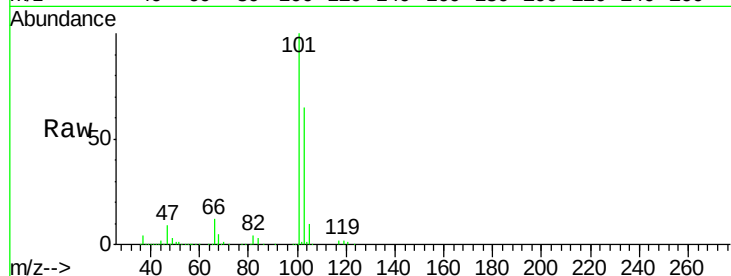
S32-0627MSD

Tot Ion:101 Resp: 175467

Ion Ratio Lower Upper

101 100

103 64.7 52.3 78.5



#8

Diethyl Ether

Concen: 52.13 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024862.D

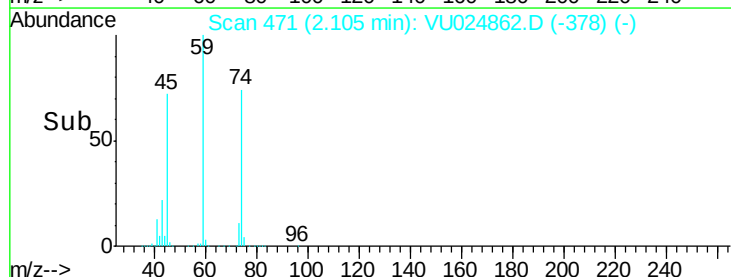
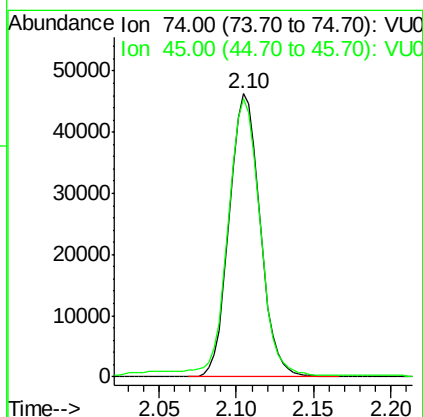
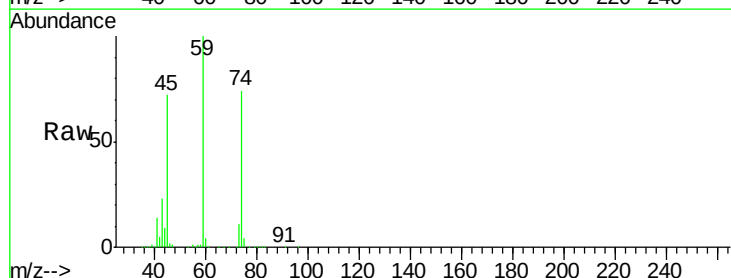
Acq: 23 Jun 2018 03:30

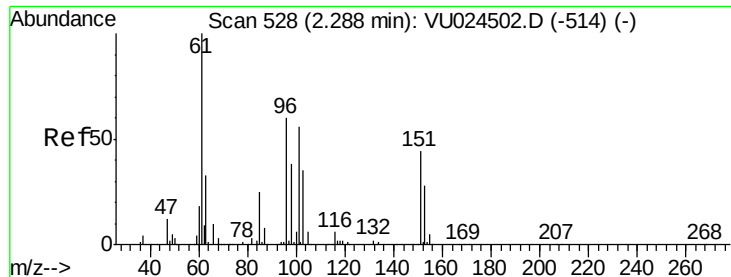
Tgt Ion: 74 Resp: 64008

Ion Ratio Lower Upper

74 100

45 99.6 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.24 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

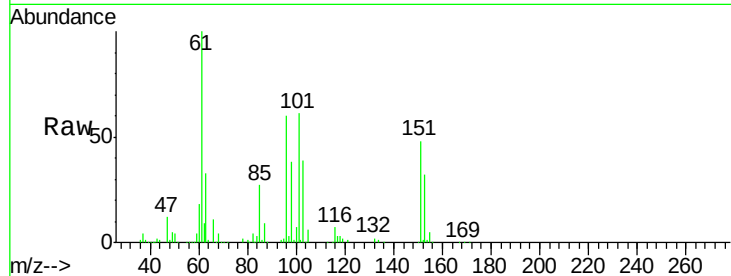
Tot Ion:101 Resp: 99171

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

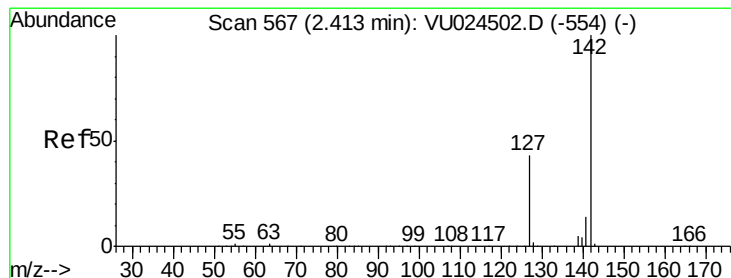
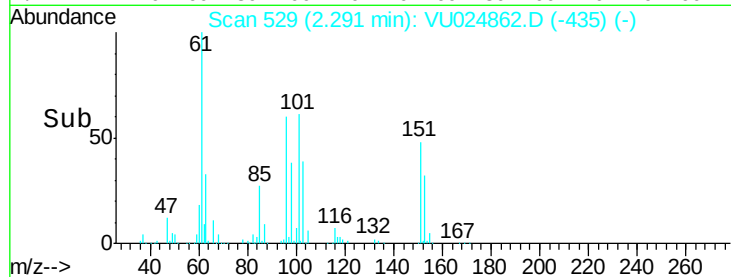
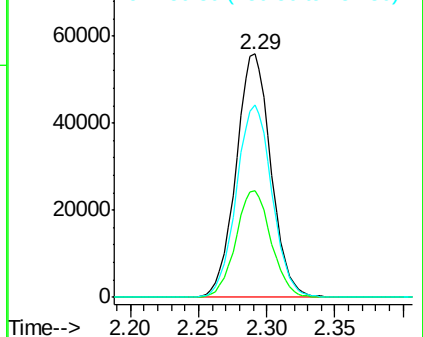
151 80.8 62.3 93.5



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



#10

Methyl Iodide

Concen: 51.88 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

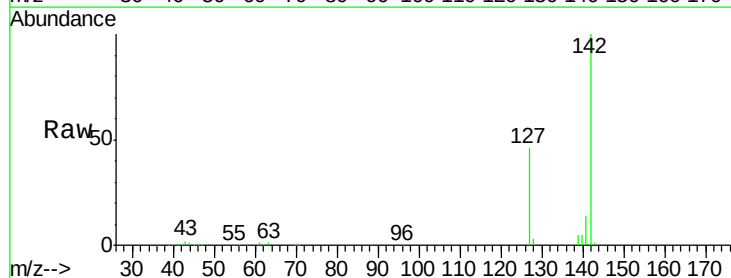
Tgt Ion:142 Resp: 98855

Ion Ratio Lower Upper

142 100

127 45.6 35.6 53.4

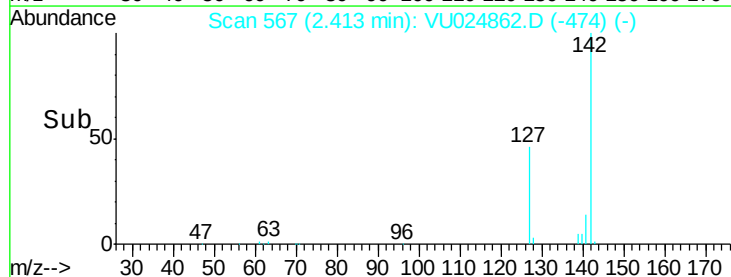
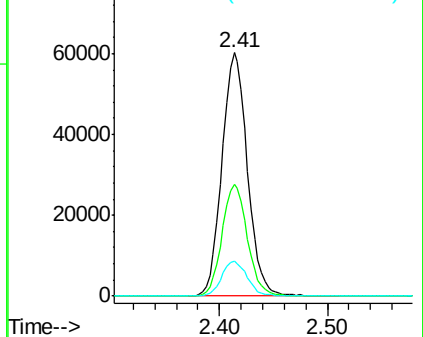
141 14.3 11.7 17.5

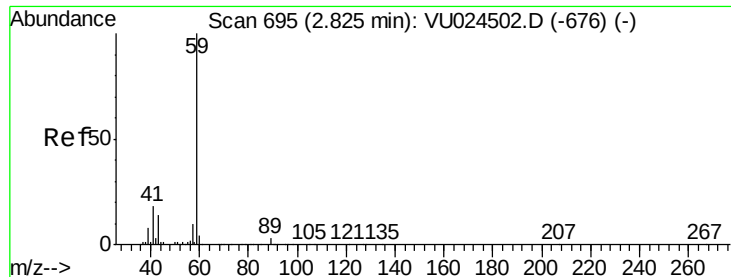


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



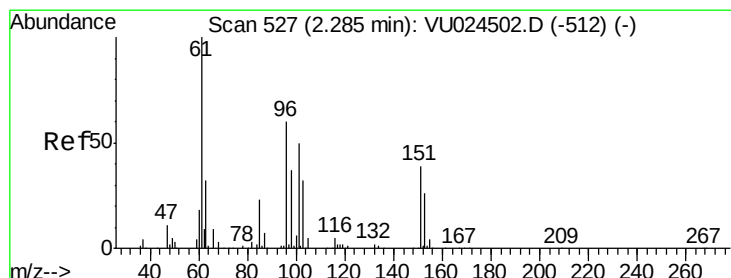
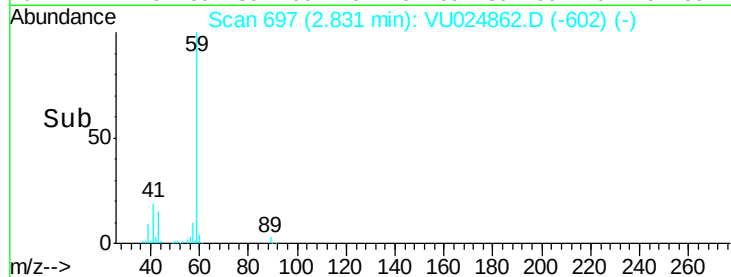
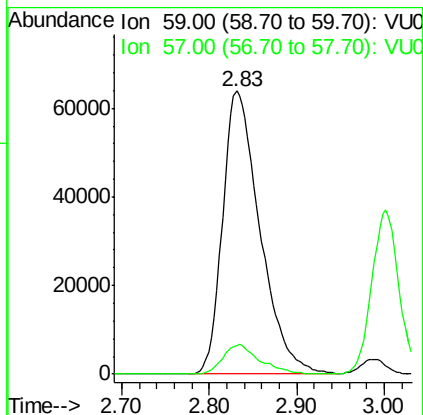
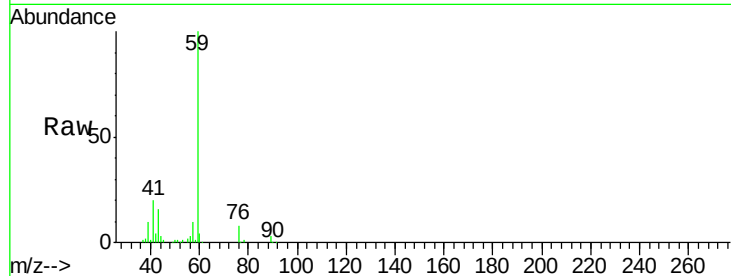


#11

Tert butyl alcohol
 Concen: 265.66 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

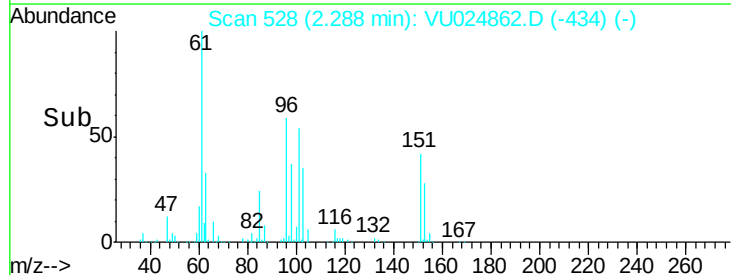
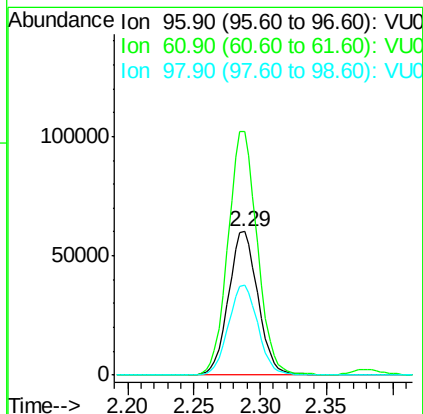
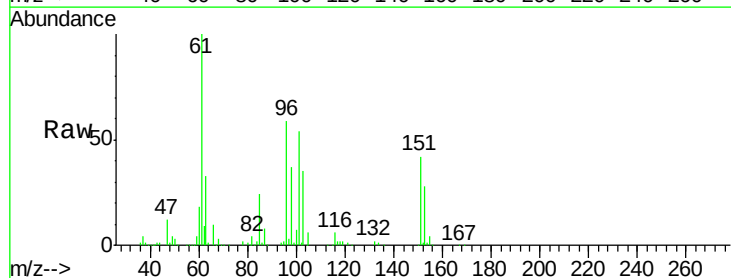
Tot Ion: 59 Resp: 189381
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

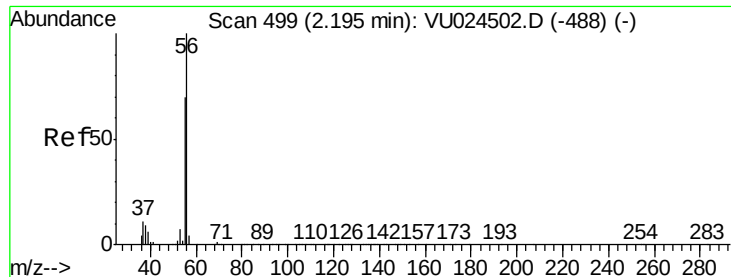


#12

1,1-Dichloroethene
 Concen: 45.49 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion: 96 Resp: 93006
 Ion Ratio Lower Upper
 96 100
 61 169.9 141.7 212.5
 98 62.6 51.6 77.4





#13

Acrolein

Concen: 131.13 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

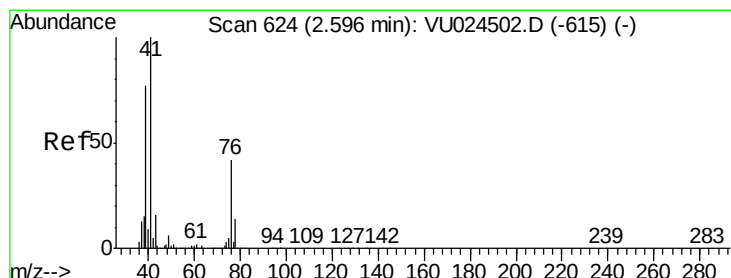
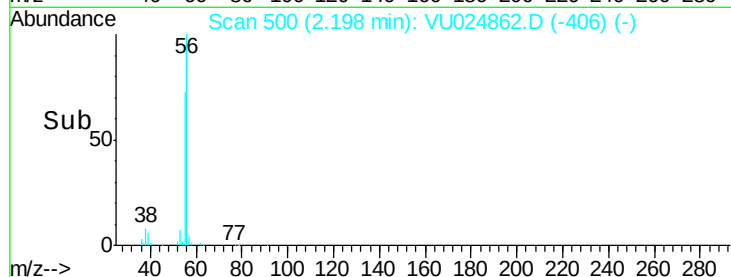
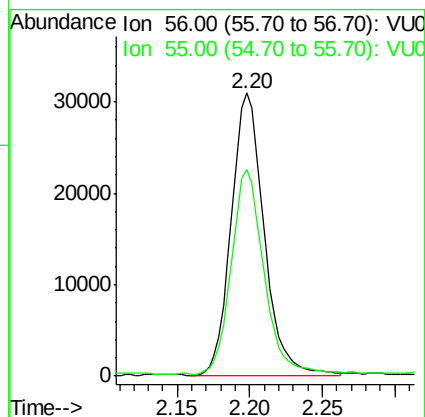
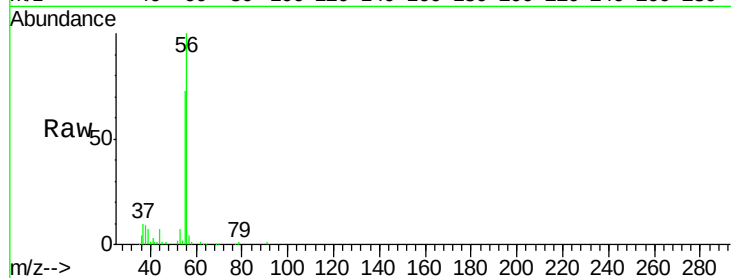
S32-0627MSD

Tot Ion: 56 Resp: 49087

Ion Ratio Lower Upper

56 100

55 70.8 58.4 87.6



#14

Allyl chloride

Concen: 45.83 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

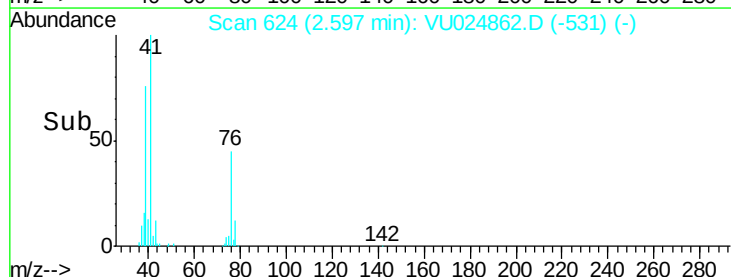
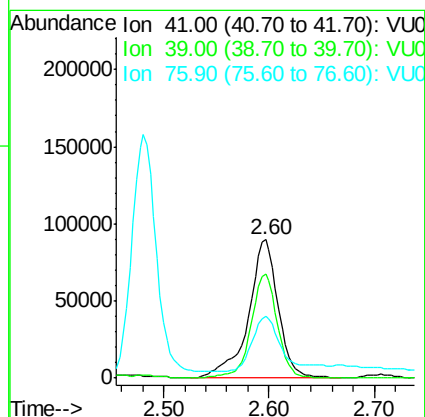
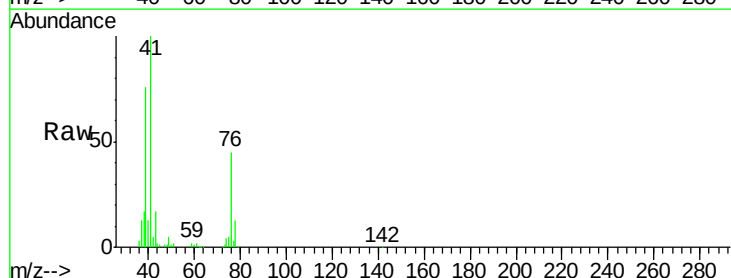
Tgt Ion: 41 Resp: 173970

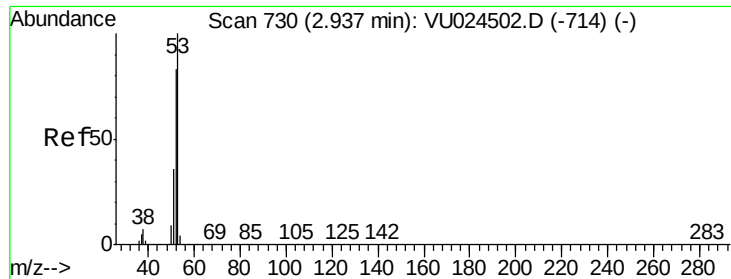
Ion Ratio Lower Upper

41 100

39 67.0 61.6 92.4

76 36.8 29.7 44.5





#15

Acrylonitrile

Concen: 244.11 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

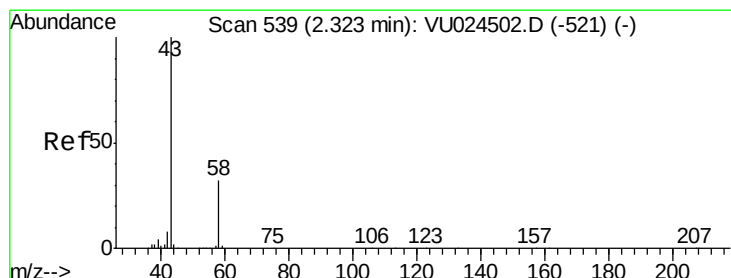
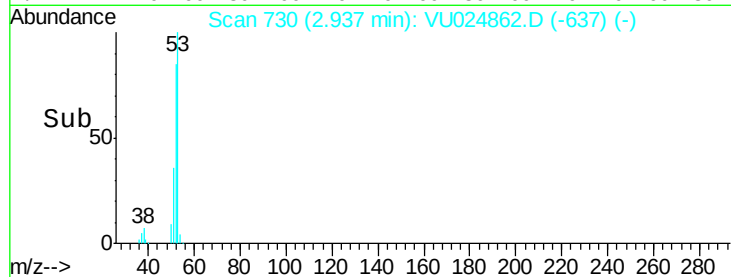
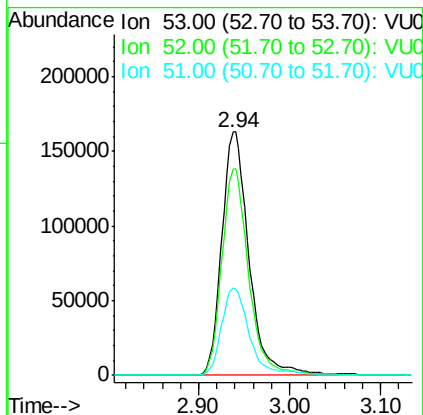
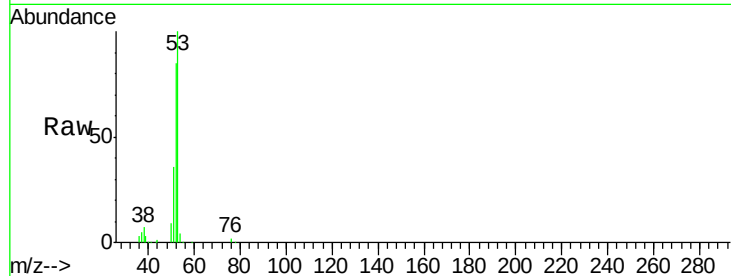
Tot Ion: 53 Resp: 338570

Ion Ratio Lower Upper

53 100

52 83.2 67.1 100.7

51 37.0 28.4 42.6



#16

Acetone

Concen: 212.97 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024862.D

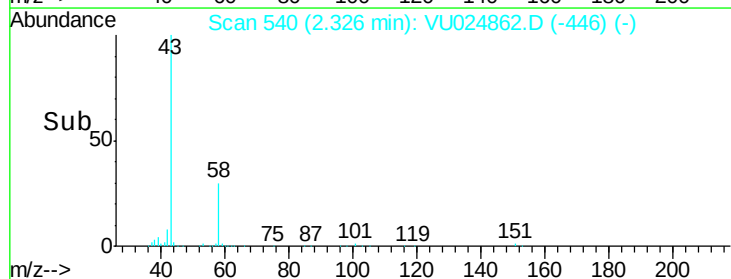
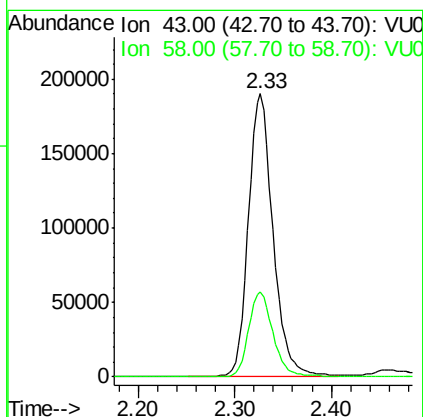
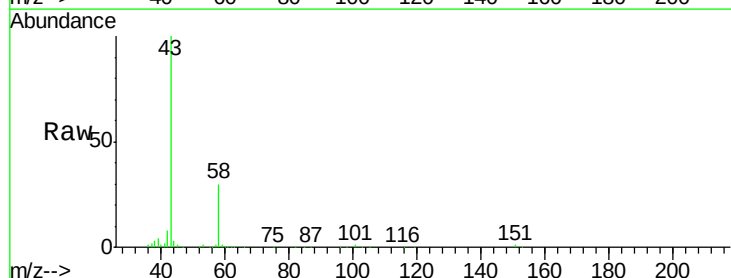
Acq: 23 Jun 2018 03:30

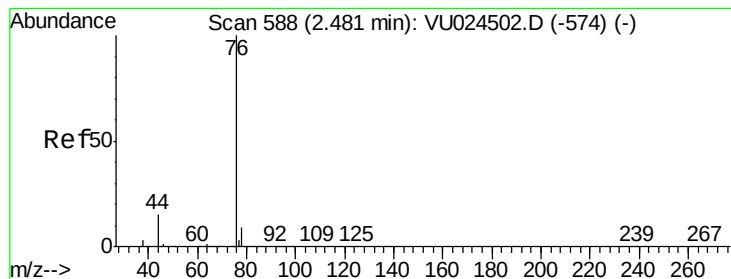
Tgt Ion: 43 Resp: 335405

Ion Ratio Lower Upper

43 100

58 29.8 24.4 36.6





#17

Carbon Disulfide

Concen: 40.03 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

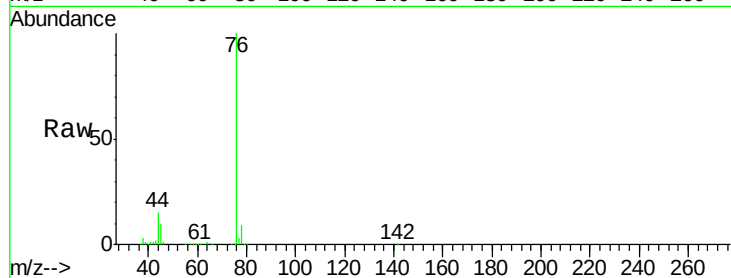
S32-0627MSD

Tot Ion: 76 Resp: 262072

Ion Ratio Lower Upper

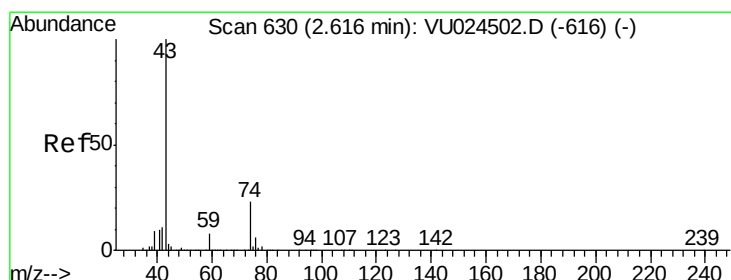
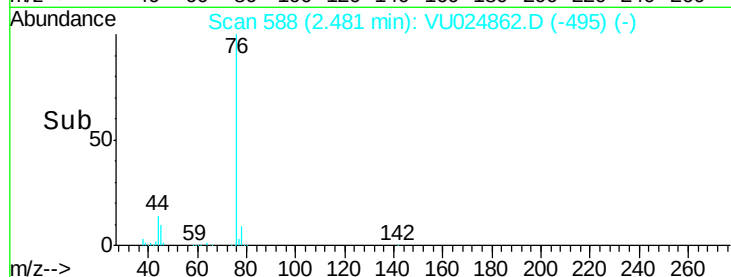
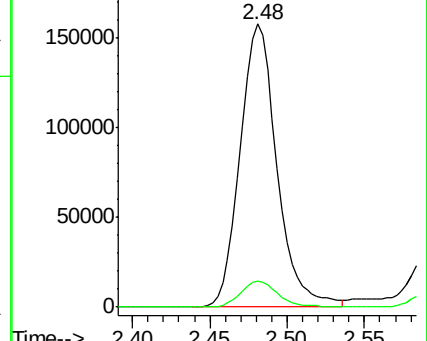
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 52.34 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024862.D

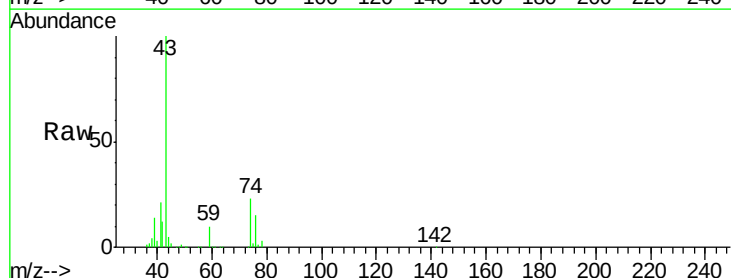
Acq: 23 Jun 2018 03:30

Tgt Ion: 43 Resp: 176701

Ion Ratio Lower Upper

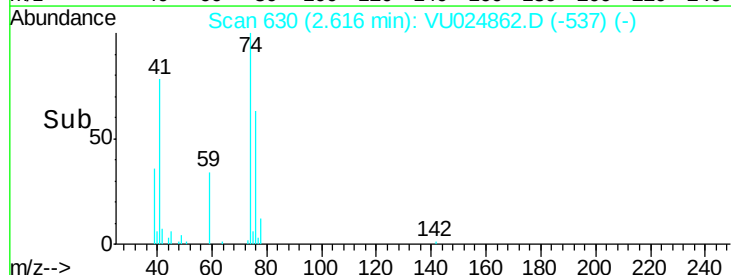
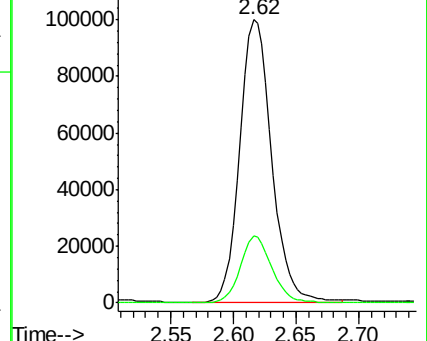
43 100

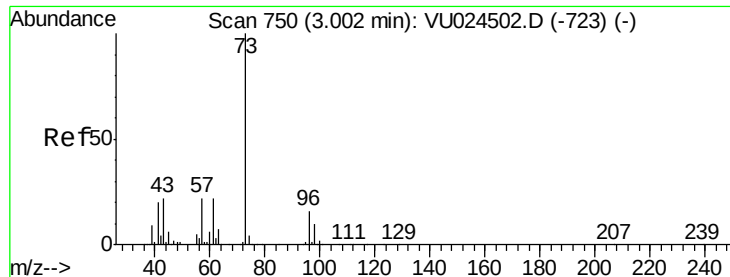
74 23.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

Methyl tert-butyl Ether

Concen: 47.75 ug/l

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

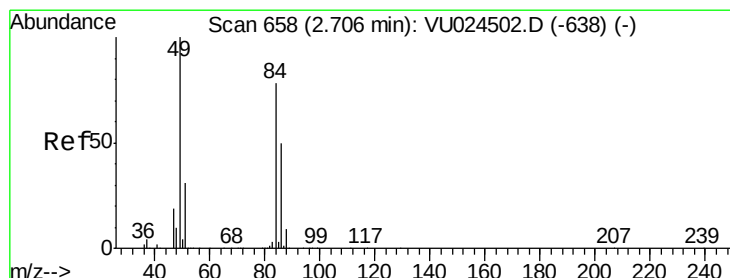
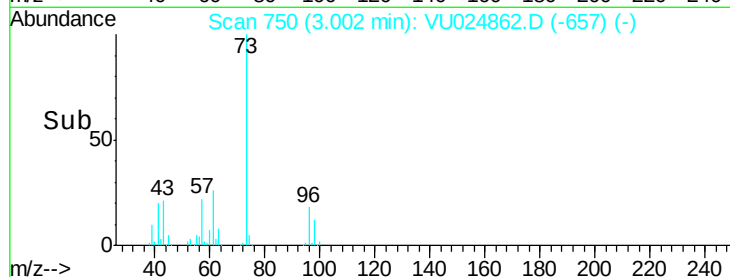
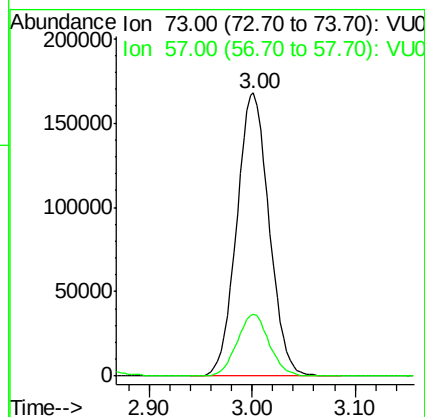
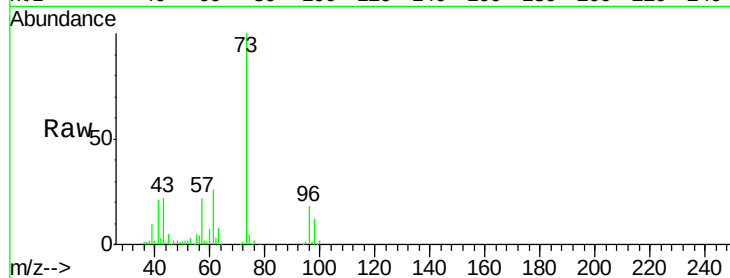
S32-0627MSD

Tot Ion: 73 Resp: 366916

Ion Ratio Lower Upper

73 100

57 22.1 18.8 28.2



#20

Methylene Chloride

Concen: 43.02 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Tgt Ion: 84 Resp: 106310

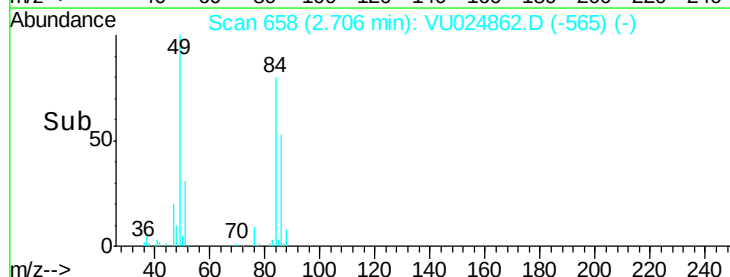
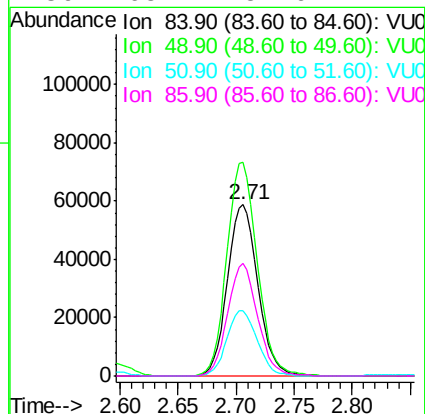
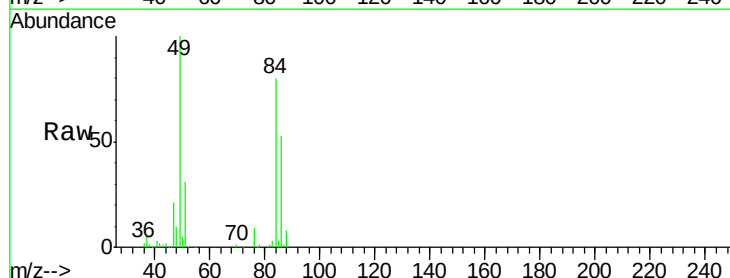
Ion Ratio Lower Upper

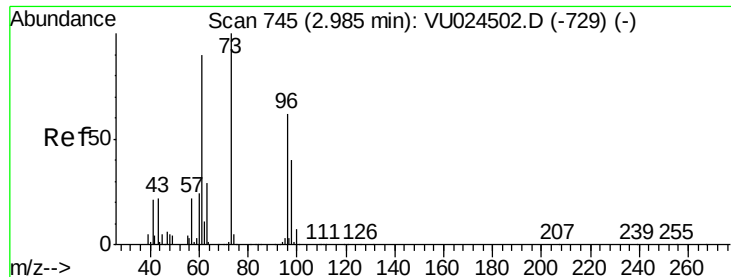
84 100

49 124.9 103.8 155.8

51 38.1 32.0 48.0

86 65.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 52.64 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

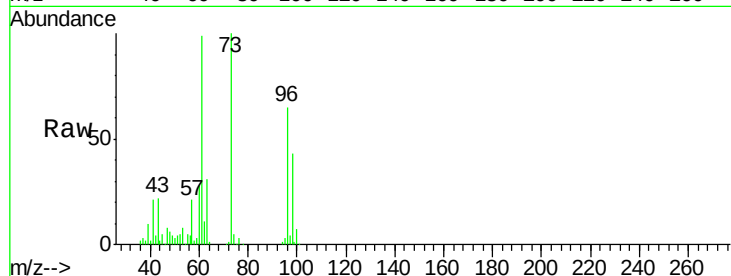
Tot Ion: 96 Resp: 118531

Ion Ratio Lower Upper

96 100

61 151.3 119.4 179.0

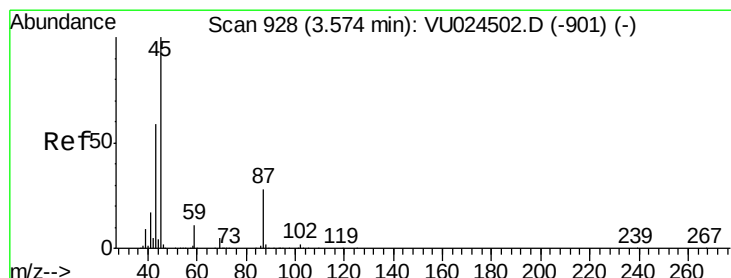
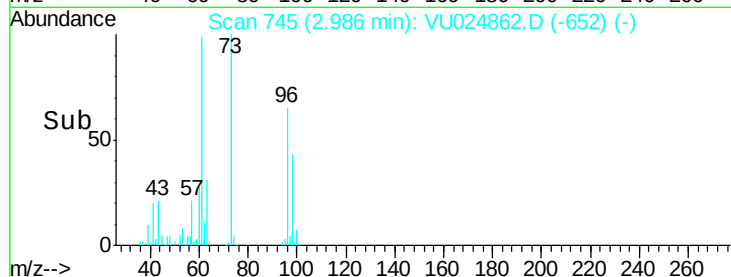
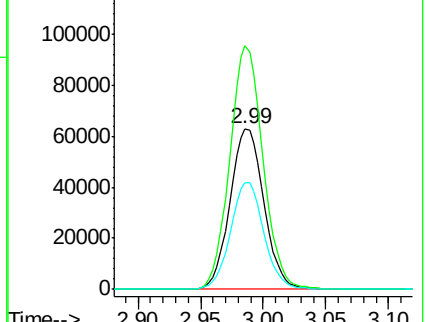
98 66.3 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024862.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU024862.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU024862.D (-652) (-)



#22

Diisopropyl ether

Concen: 46.80 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Tgt Ion: 45 Resp: 352141

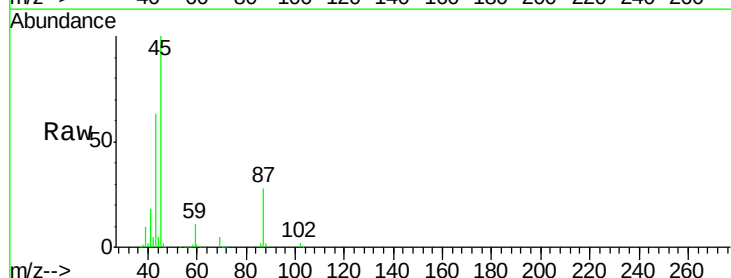
Ion Ratio Lower Upper

45 100

43 62.1 45.8 68.6

87 28.2 20.6 31.0

59 11.1 9.4 14.0

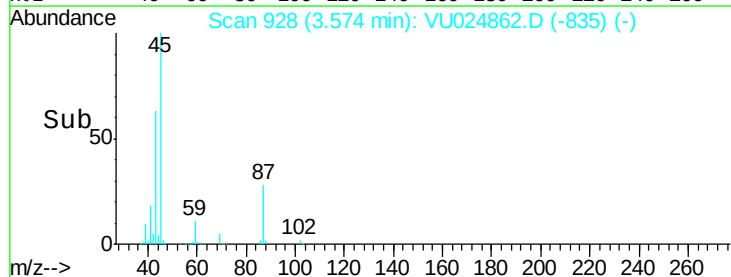
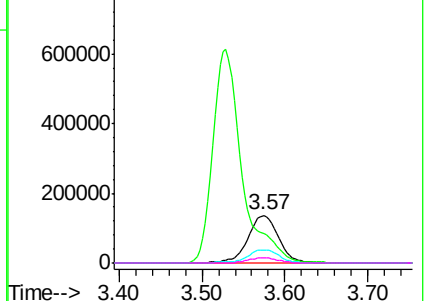


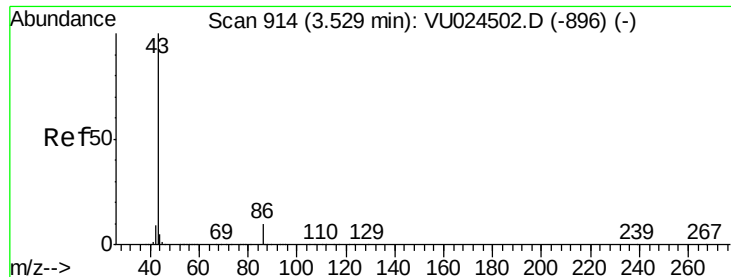
Abundance Ion 45.00 (44.70 to 45.70): VU024862.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU024862.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU024862.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU024862.D (-835) (-)





#23

Vinyl Acetate

Concen: 221.89 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

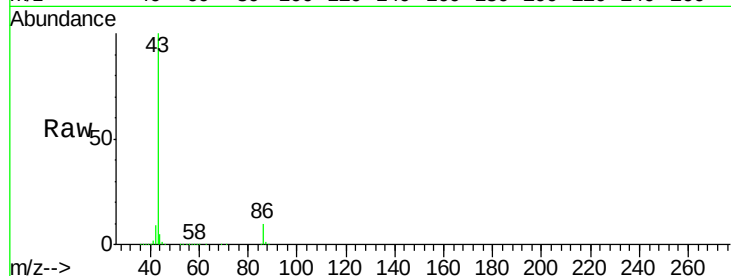
S32-0627MSD

Tot Ion: 43 Resp: 1495674

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

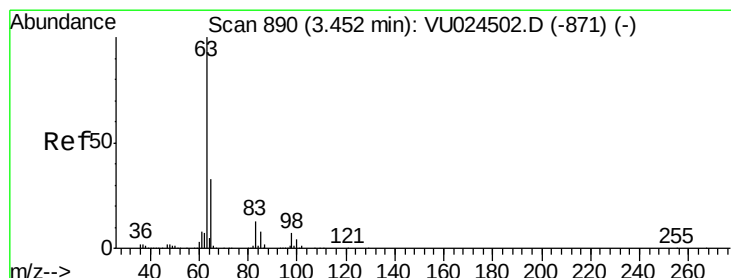
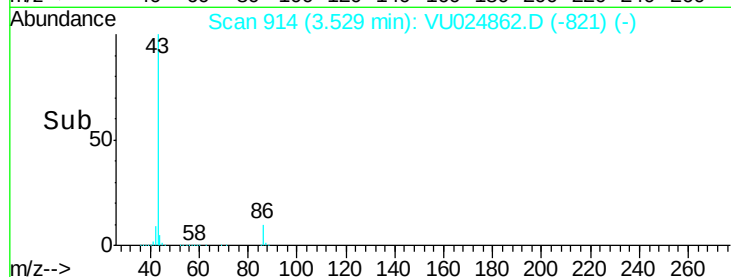
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.65 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

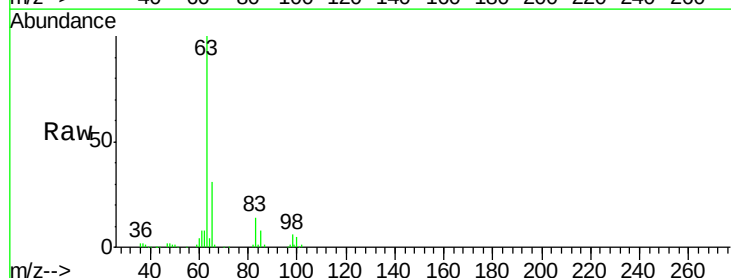
Tgt Ion: 63 Resp: 201945

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

100 4.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

120000

100000

80000

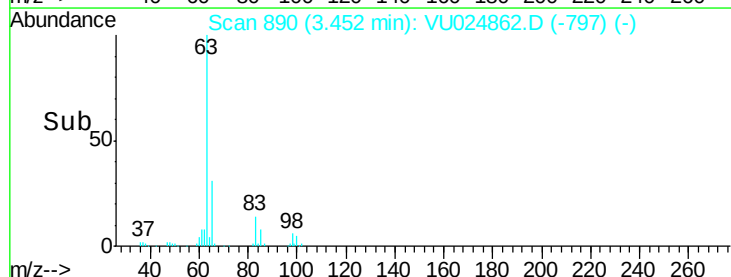
60000

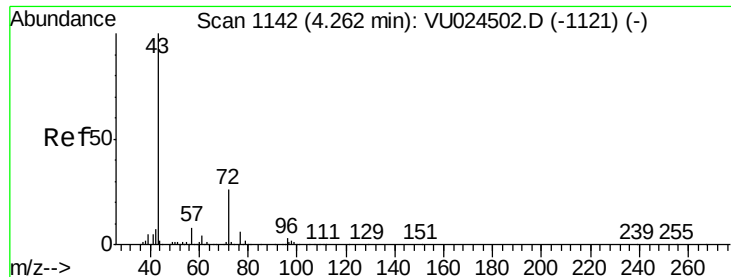
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.31 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

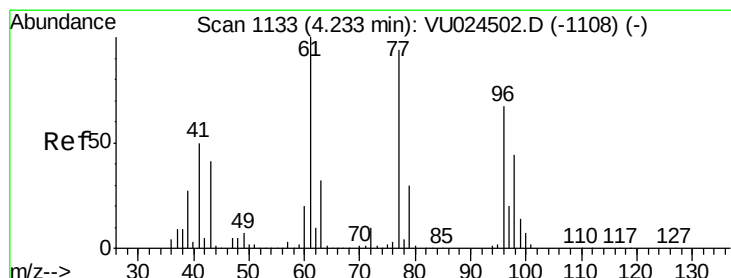
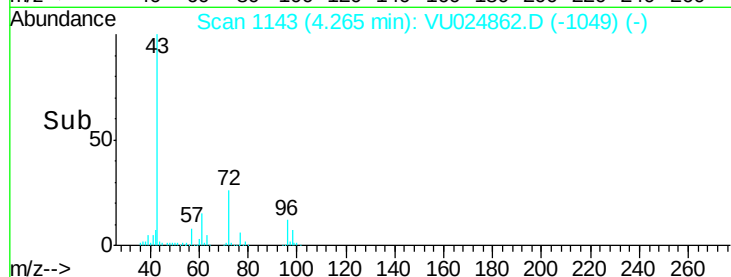
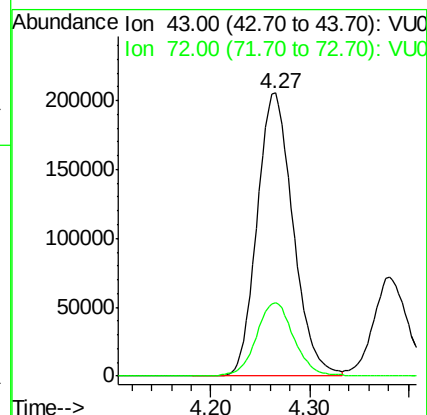
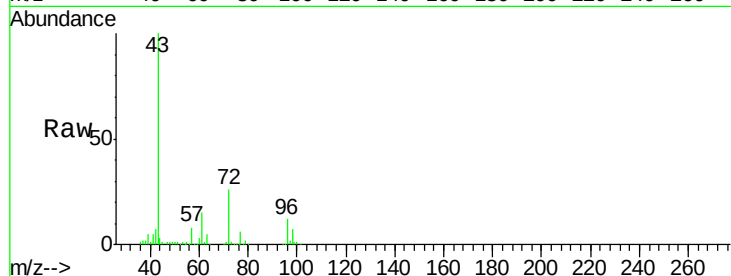
S32-0627MSD

Tot Ion: 43 Resp: 516826

Ion Ratio Lower Upper

43 100

72 25.8 19.6 29.4



#26

2,2-Dichloropropane

Concen: 38.11 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024862.D

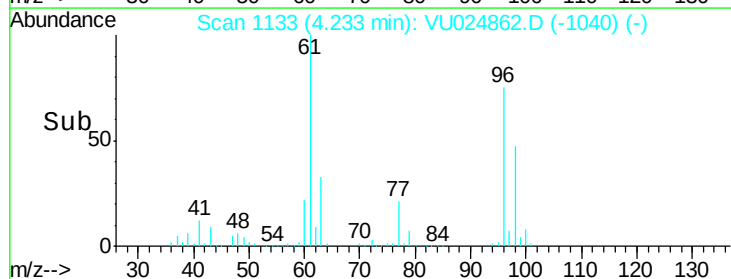
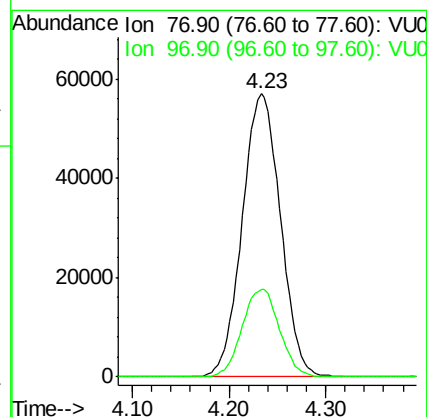
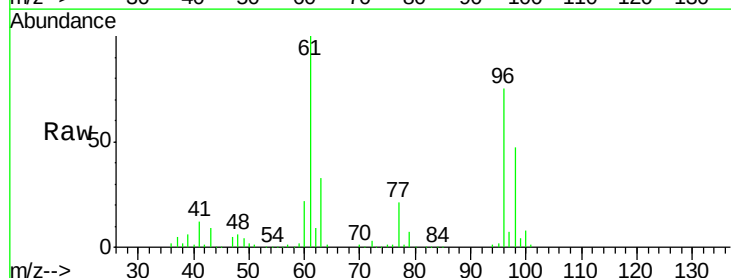
Acq: 23 Jun 2018 03:30

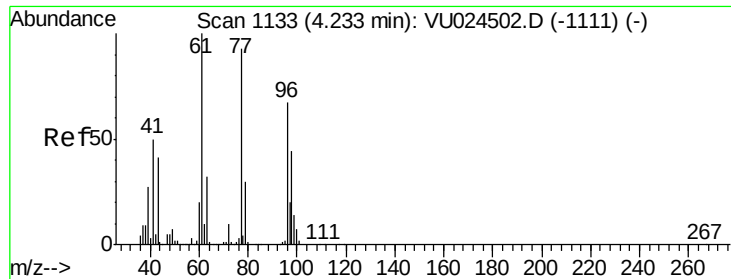
Tgt Ion: 77 Resp: 156661

Ion Ratio Lower Upper

77 100

97 30.3 11.3 33.8

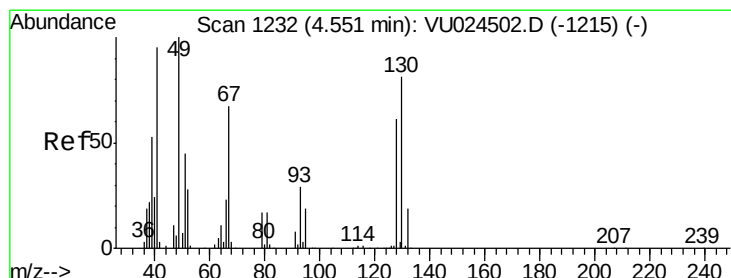
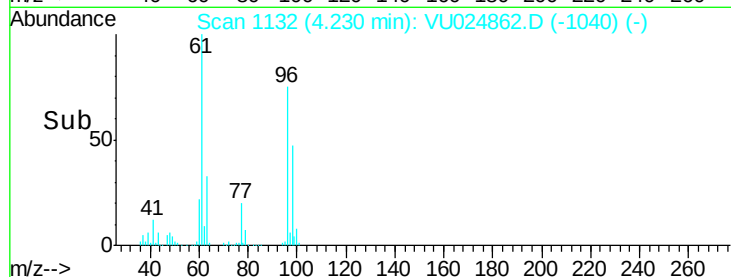
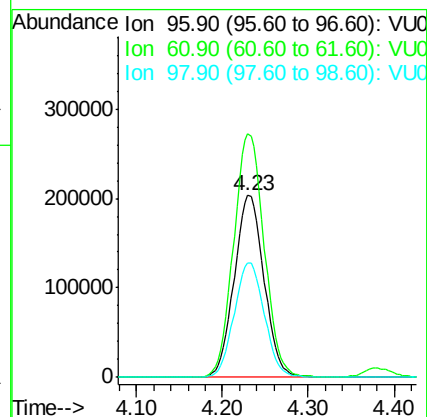
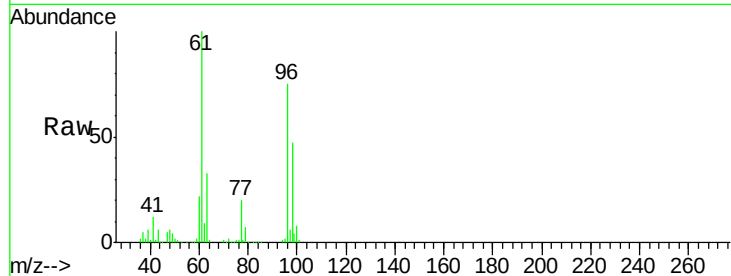




#27
 cis-1,2-Dichloroethene
 Concen: 189.41 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

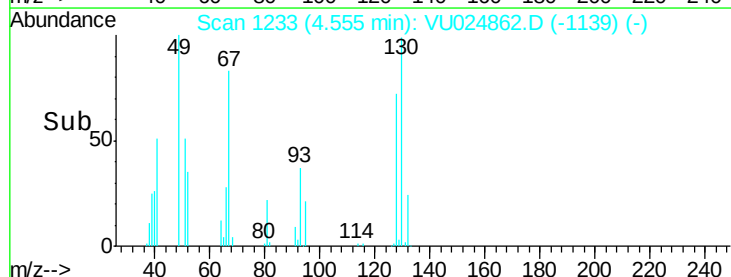
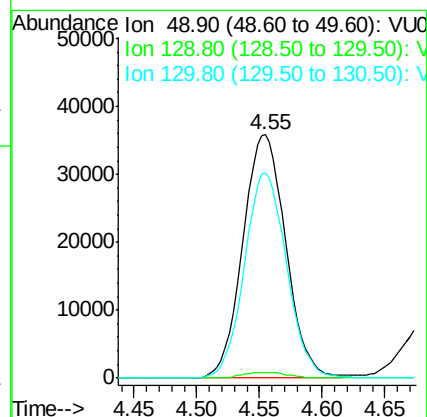
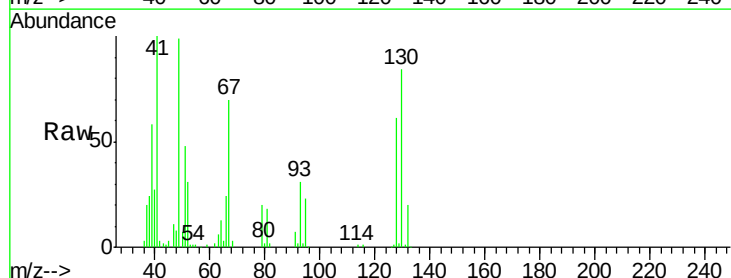
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

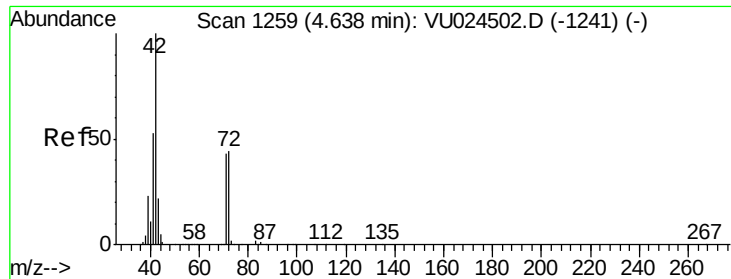
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	306.6
98	63.9	0.0	128.8



#28
 Bromochloromethane
 Concen: 44.70 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.8
130	83.0	57.8	86.6





#29

Tetrahydrofuran

Concen: 248.40 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

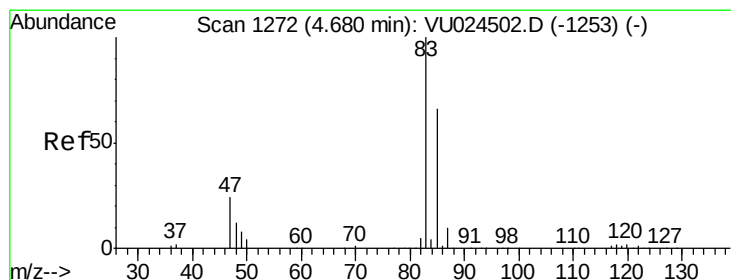
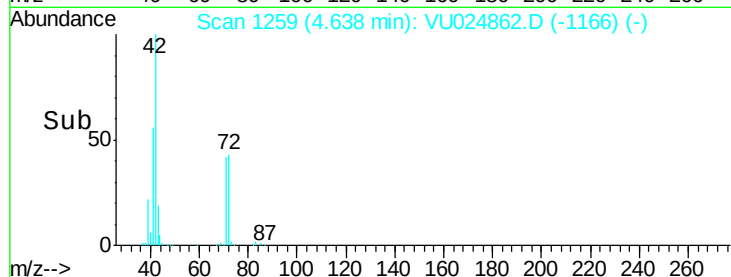
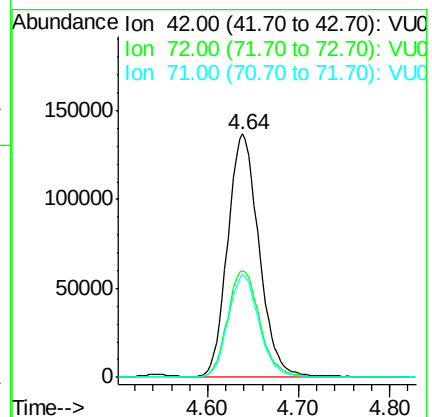
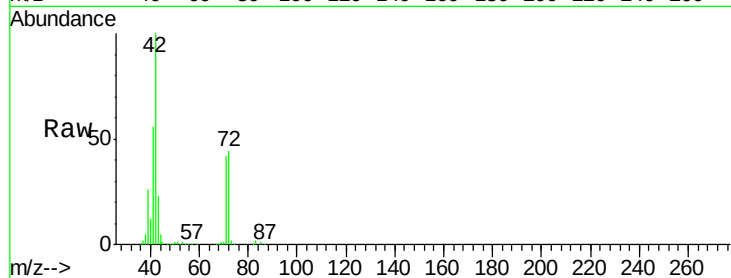
Tot Ion: 42 Resp: 325407

Ion Ratio Lower Upper

42 100

72 45.8 34.5 51.7

71 42.1 32.2 48.4



#30

Chloroform

Concen: 48.64 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024862.D

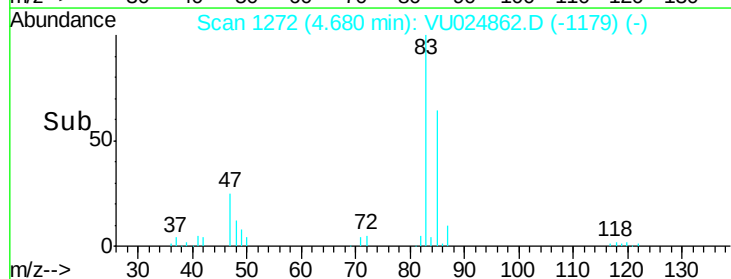
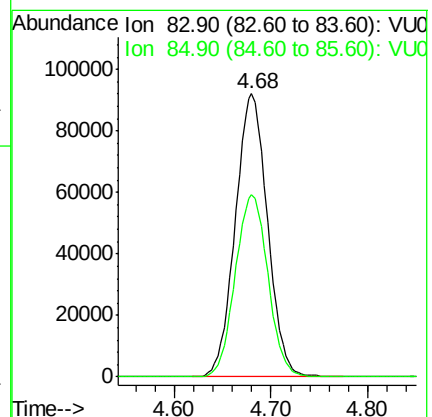
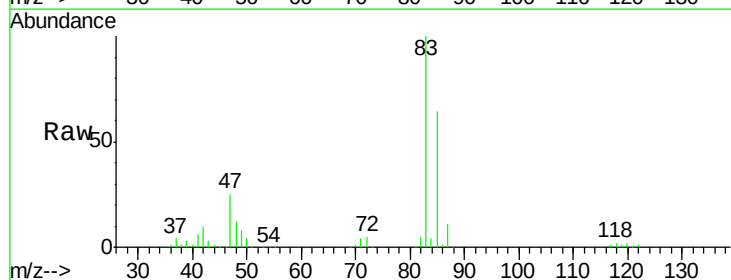
Acq: 23 Jun 2018 03:30

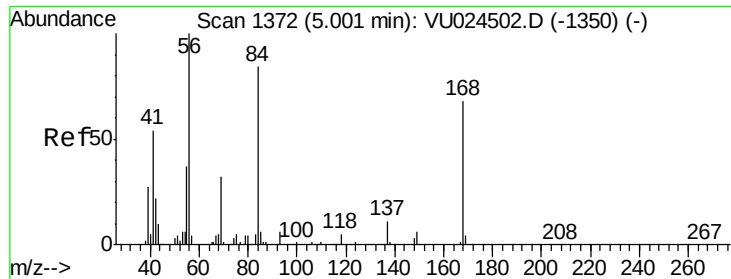
Tgt Ion: 83 Resp: 213093

Ion Ratio Lower Upper

83 100

85 64.5 52.4 78.6

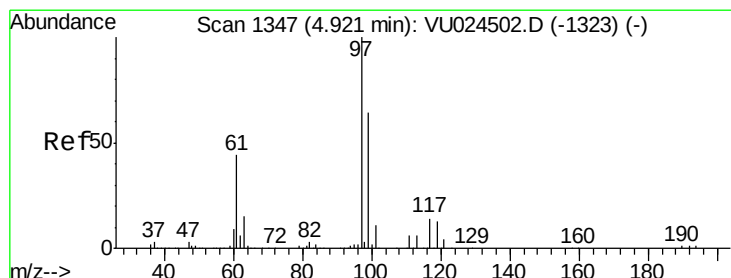
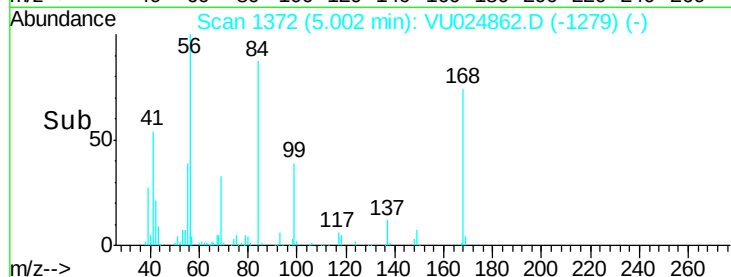
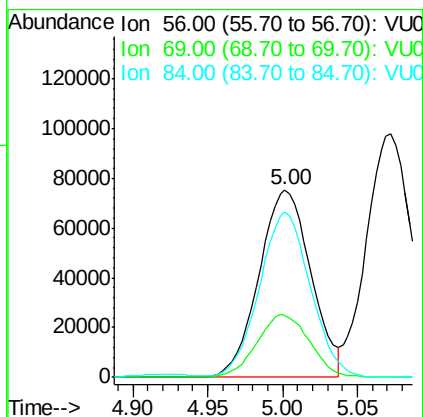
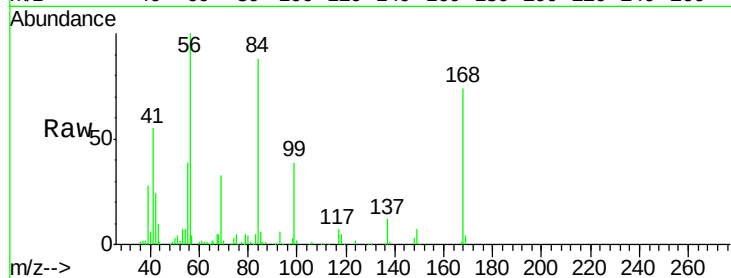




#31
Cyclohexane
Concen: 47.06 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

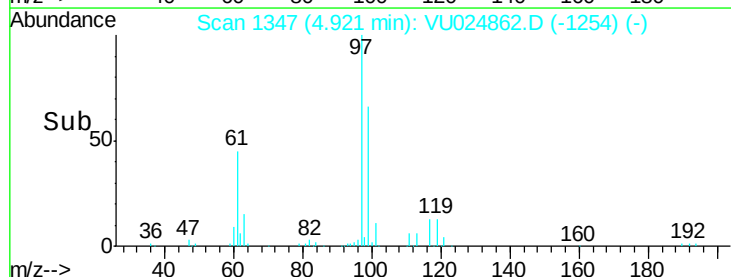
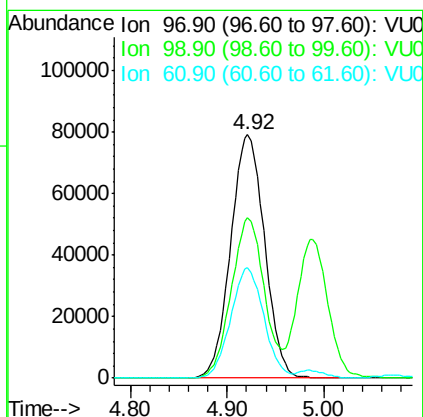
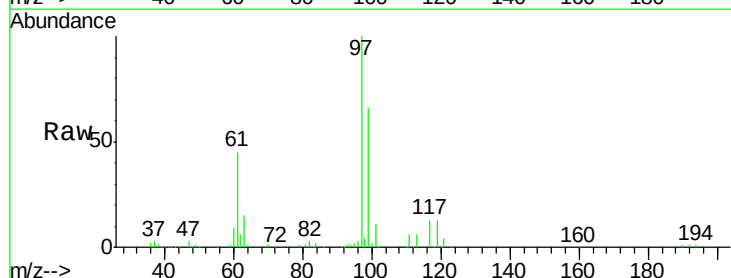
Instrument :
MSVOA_U
ClientSampleId :
S32-0627MSD

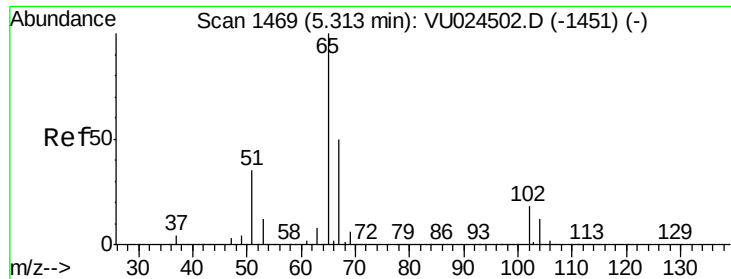
Tot Ion: 56 Resp: 181358
Ion Ratio Lower Upper
56 100
69 33.3 24.8 37.2
84 87.4 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 47.49 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

Tgt Ion: 97 Resp: 192425
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 44.6 39.4 59.0

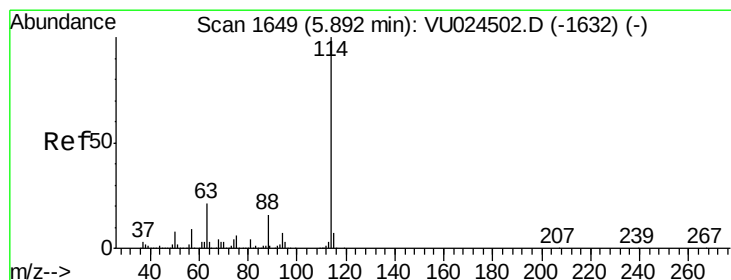
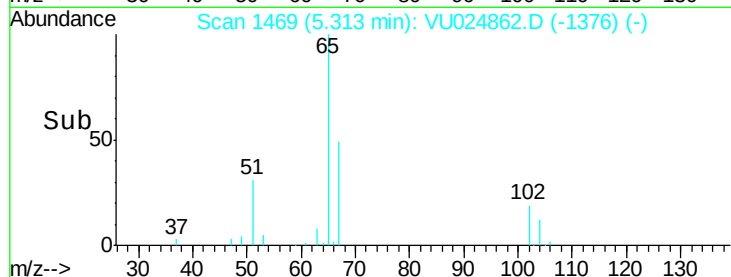
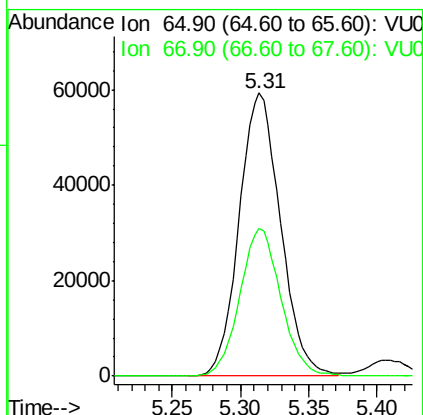
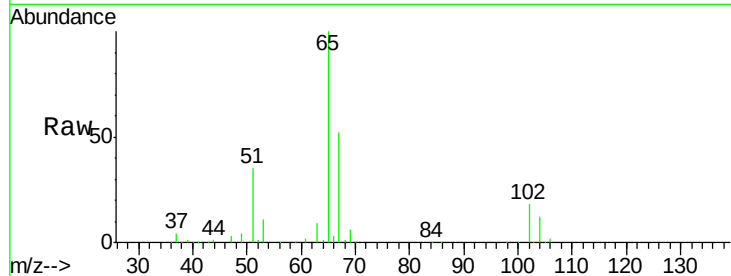




#33
 1,2-Dichloroethane-d4
 Concen: 42.58 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

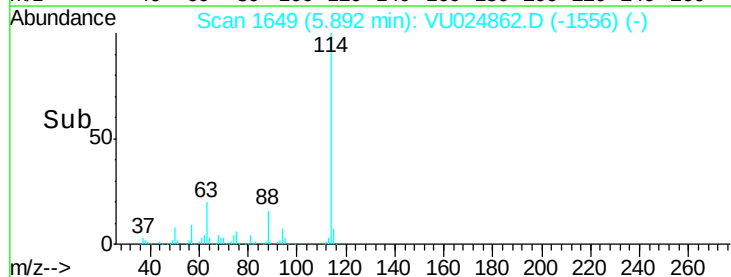
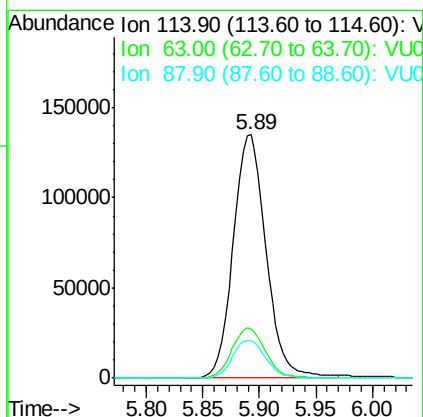
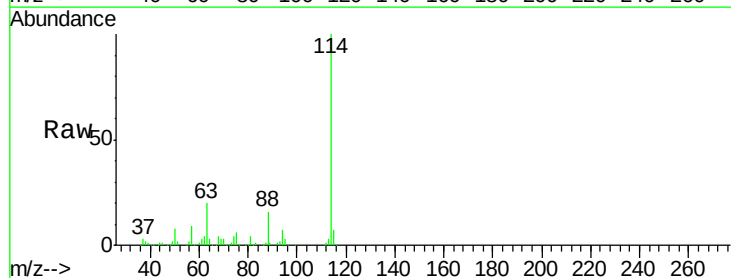
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

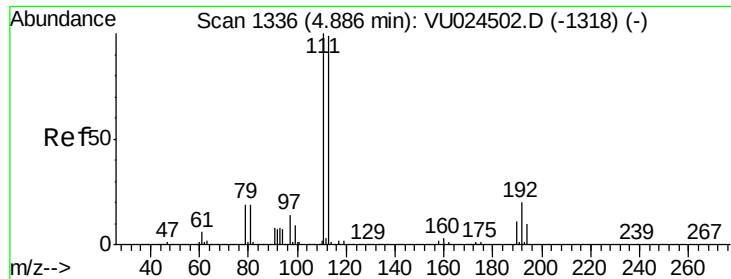
Tot Ion: 65 Resp: 124812
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion: 114 Resp: 273698
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 45.4
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 44.51 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

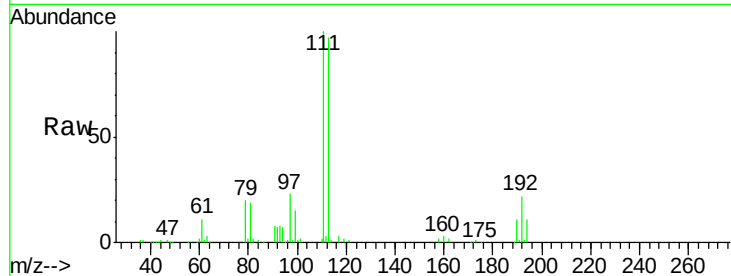
Tot Ion:113 Resp: 101094

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

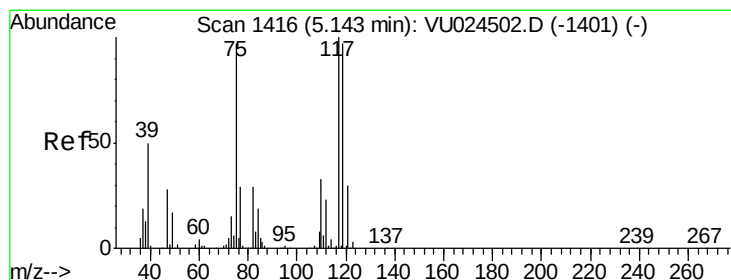
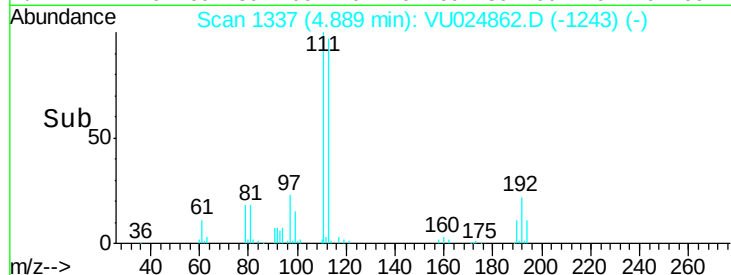
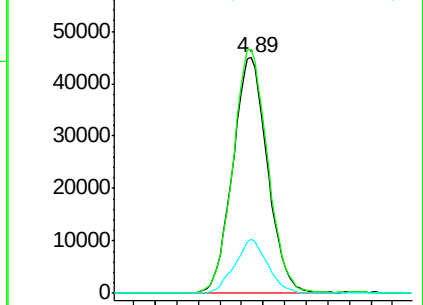
192 21.6 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.44 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

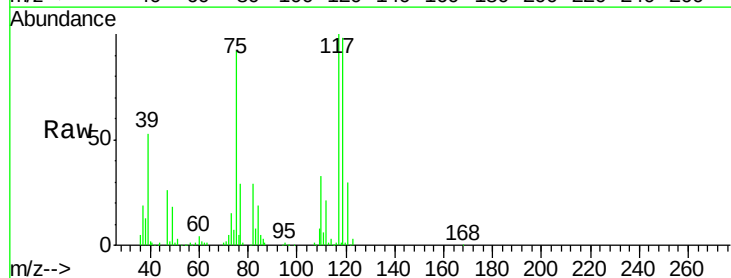
Tgt Ion: 75 Resp: 149357

Ion Ratio Lower Upper

75 100

110 36.2 17.0 50.9

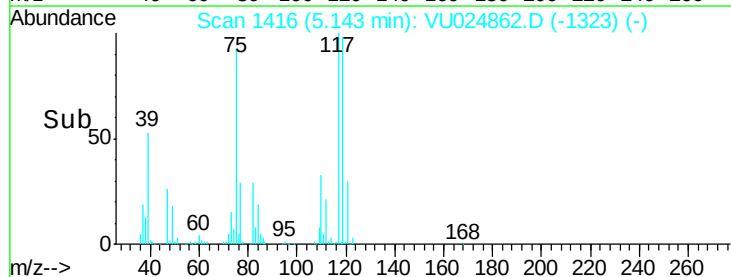
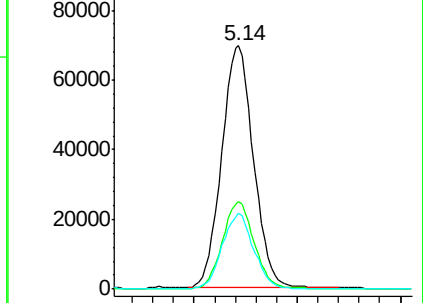
77 30.5 24.2 36.4

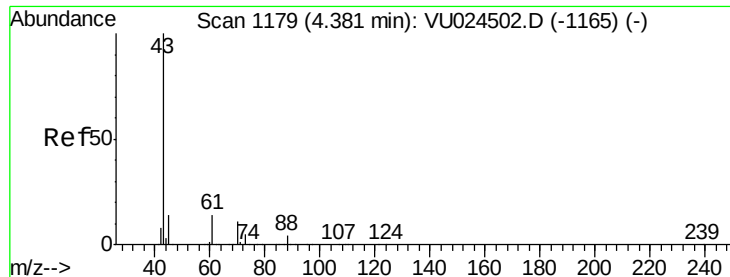


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

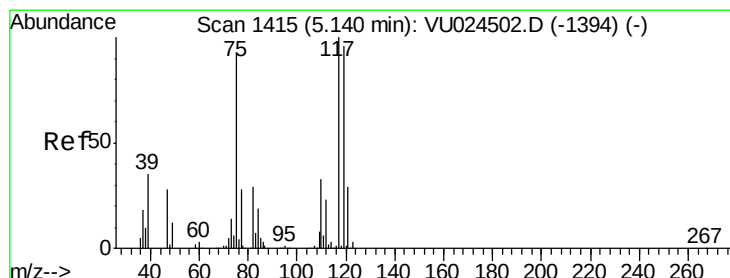
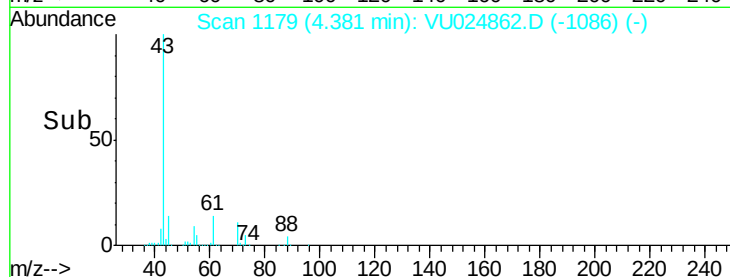
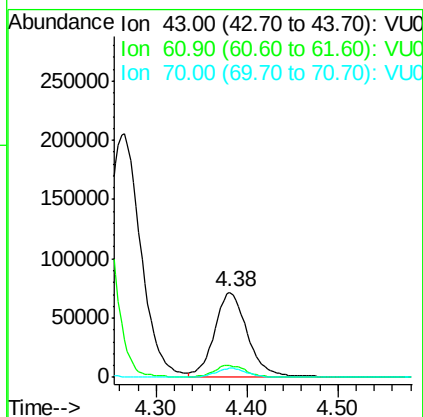
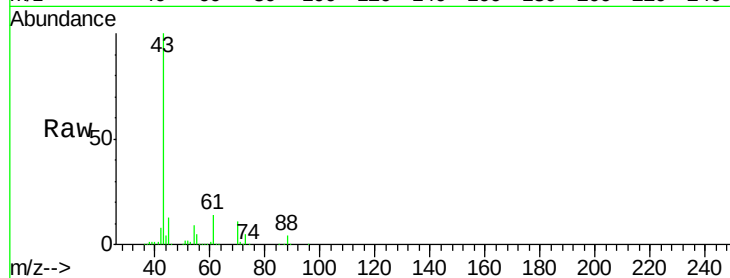




#37
Ethyl Acetate
Concen: 50.96 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

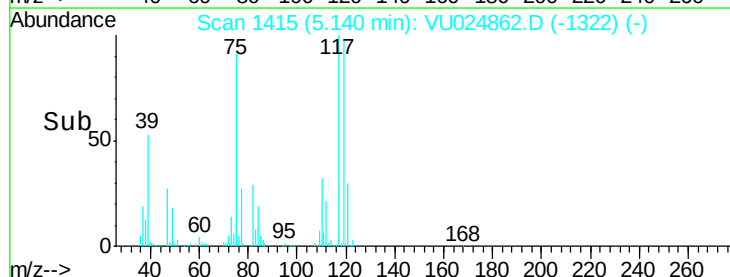
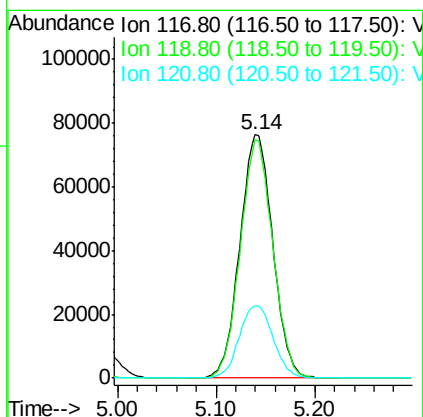
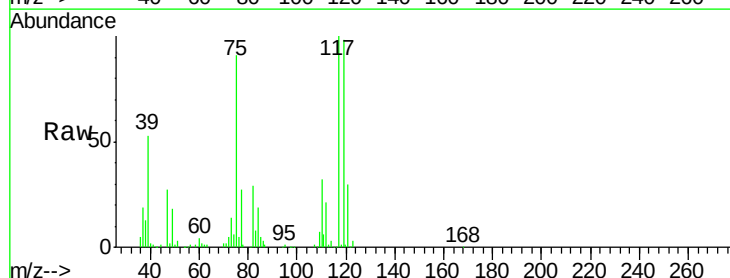
Instrument :
MSVOA_U
ClientSampleId :
S32-0627MSD

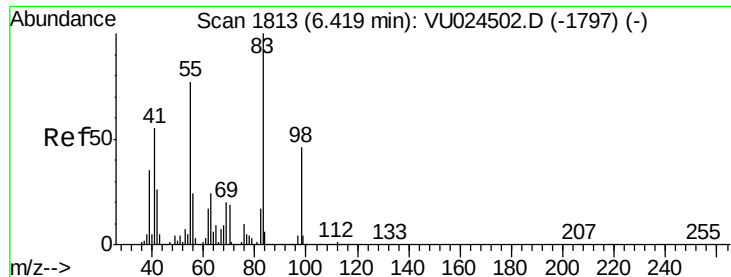
Tot Ion: 43 Resp: 178635
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 10.2 7.4 11.2



#38
Carbon Tetrachloride
Concen: 49.83 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

Tgt Ion: 117 Resp: 176227
Ion Ratio Lower Upper
117 100
119 97.7 76.1 114.1
121 29.7 23.7 35.5

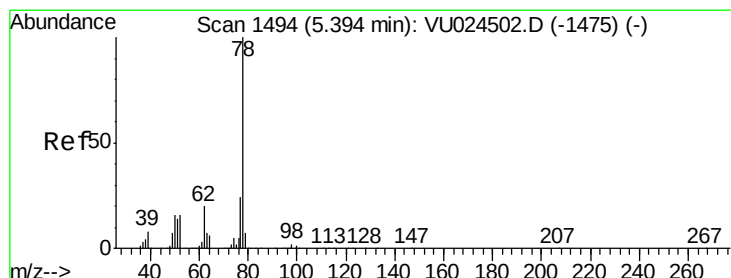
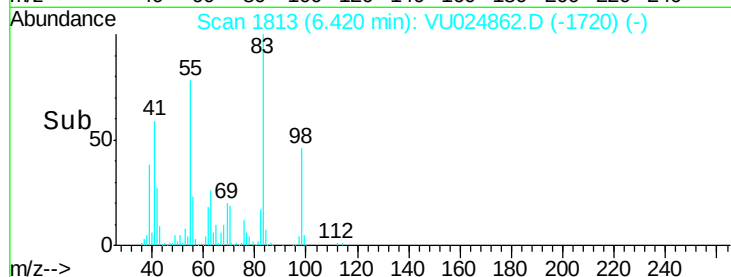
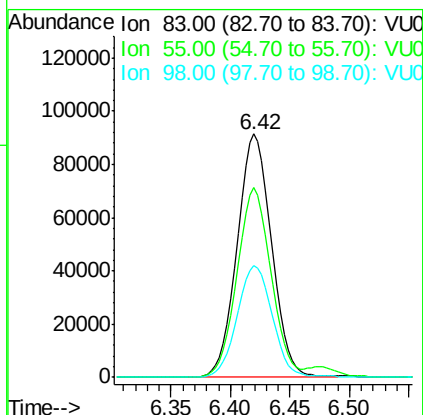
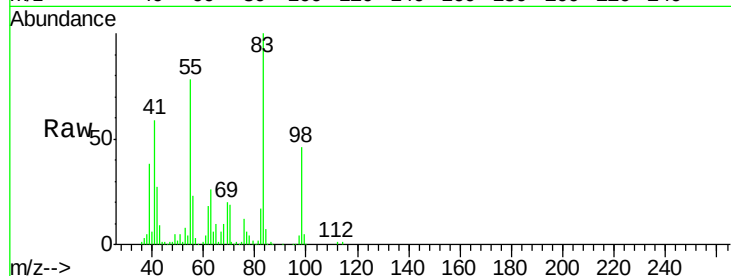




#39
Methylvlcyclohexane
Concen: 45.70 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

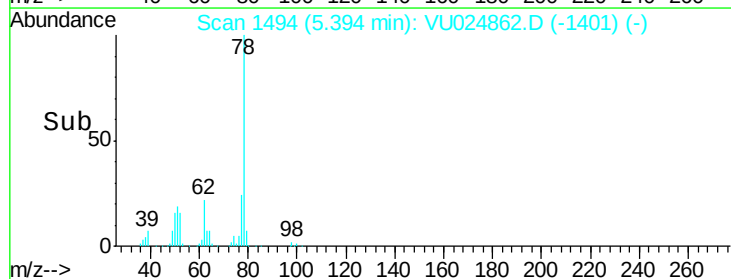
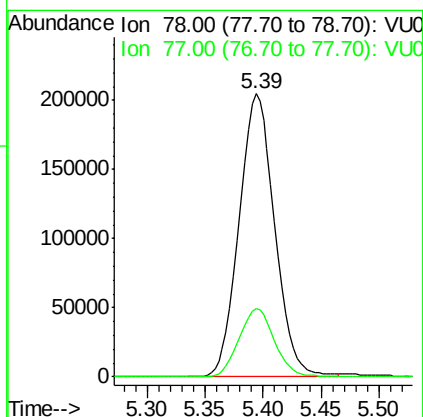
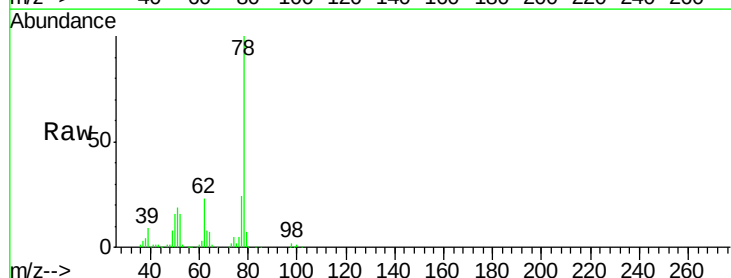
Instrument :
MSVOA_U
ClientSampleId :
S32-0627MSD

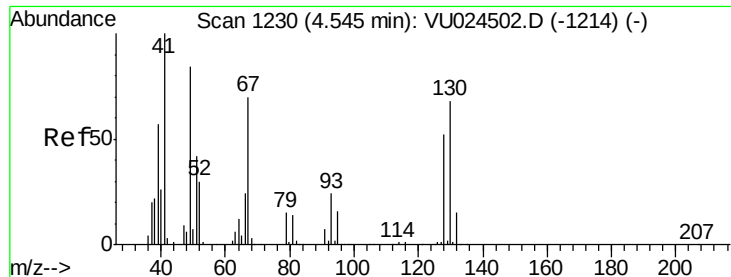
Tot Ion: 83 Resp: 183423
Ion Ratio Lower Upper
83 100
55 77.8 65.8 98.6
98 45.7 36.7 55.1



#40
Benzene
Concen: 47.74 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

Tgt Ion: 78 Resp: 437516
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8





#41

Methacrylonitrile

Concen: 53.56 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

Tot Ion: 41 Resp: 101232

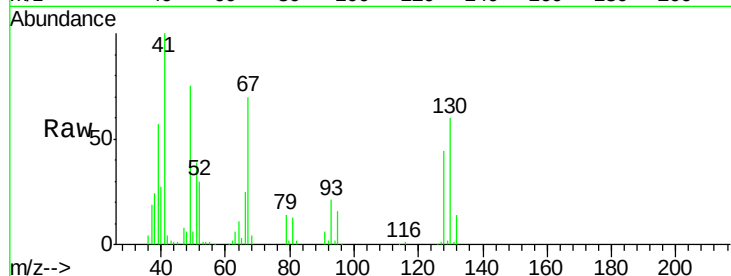
Ion Ratio Lower Upper

41 100

39 57.1 43.8 65.6

67 70.9 56.3 84.5

52 30.9 23.2 34.8

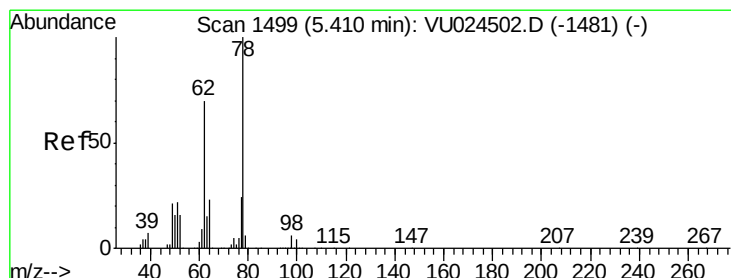
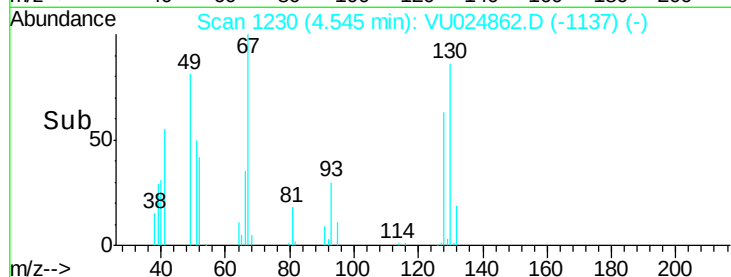
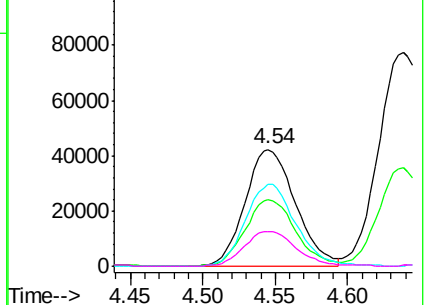


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 51.37 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU024862.D

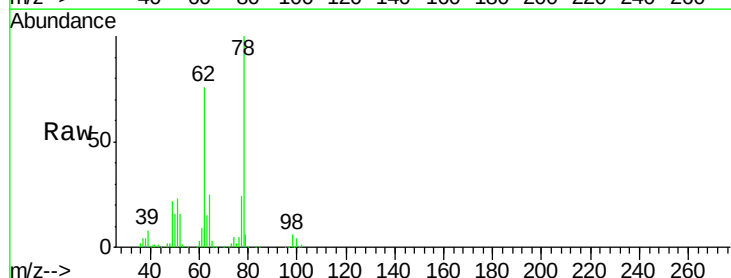
Acq: 23 Jun 2018 03:30

Tgt Ion: 62 Resp: 179287

Ion Ratio Lower Upper

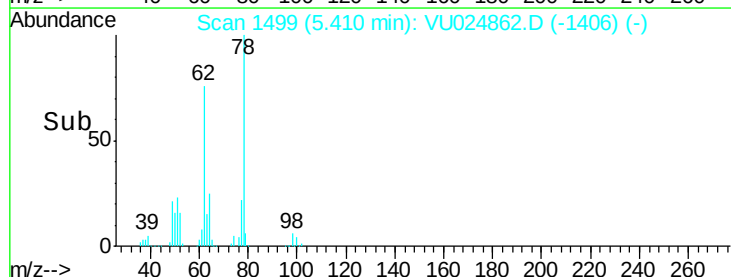
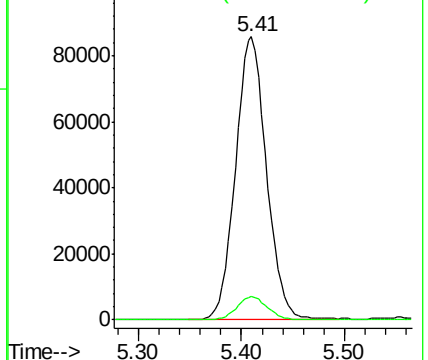
62 100

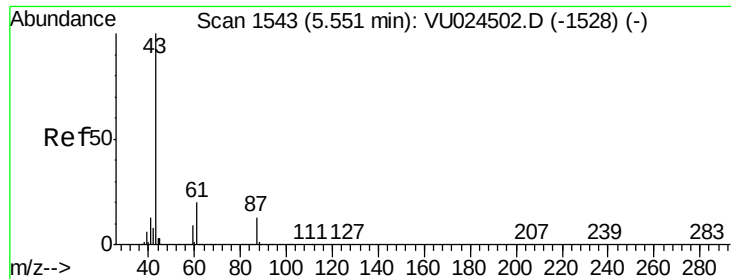
98 8.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 46.47 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

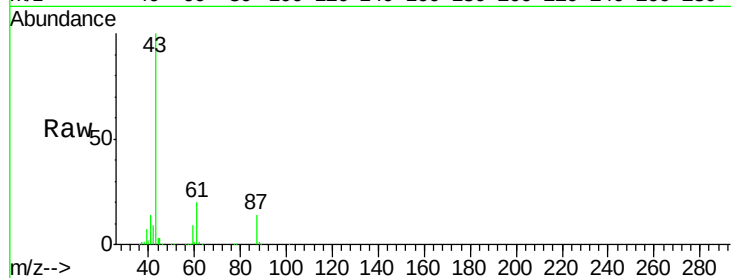
Tot Ion: 43 Resp: 281588

Ion Ratio Lower Upper

43 100

61 19.9 15.4 23.0

87 13.5 10.0 15.0

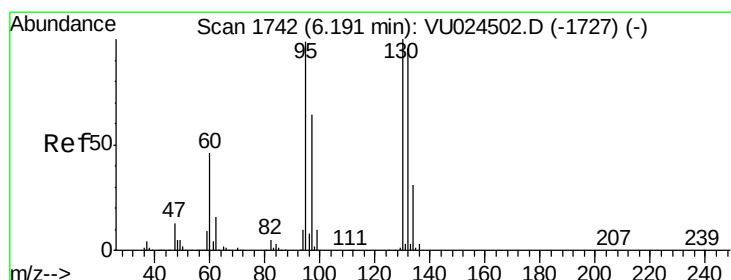
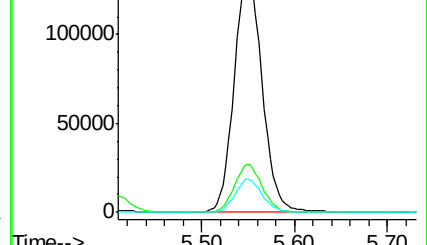
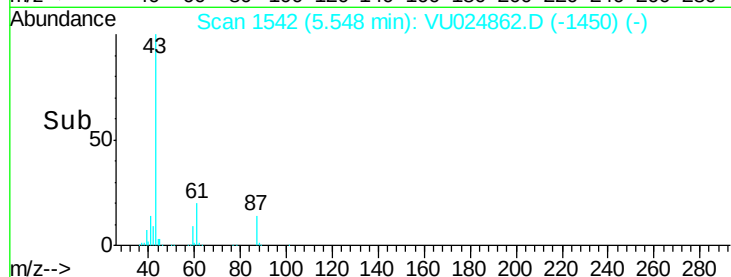


Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-1528) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-1528) (-)

Time-->



#44

Trichloroethene

Concen: 67.00 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024862.D

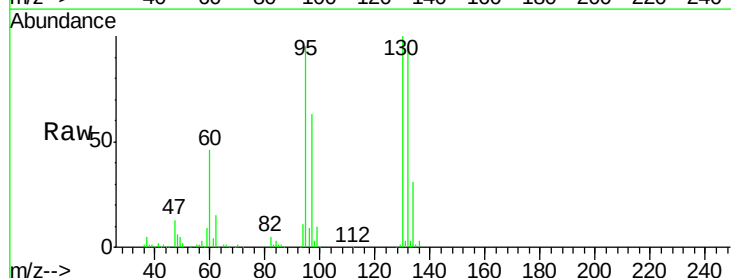
Acq: 23 Jun 2018 03:30

Tgt Ion:130 Resp: 174733

Ion Ratio Lower Upper

130 100

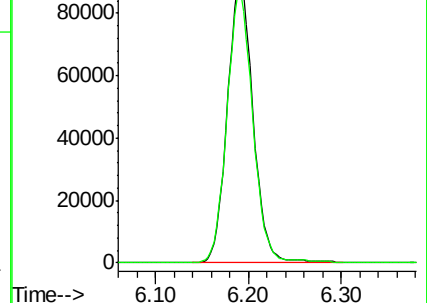
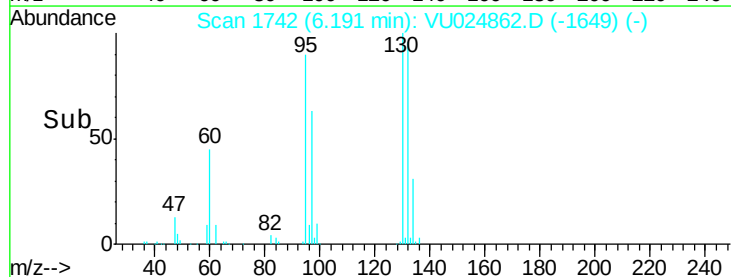
95 94.6 0.0 202.4

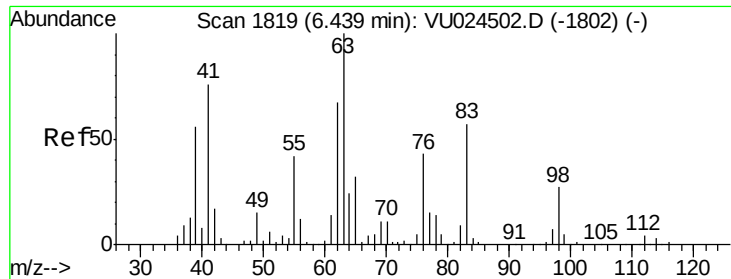


Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

Time-->

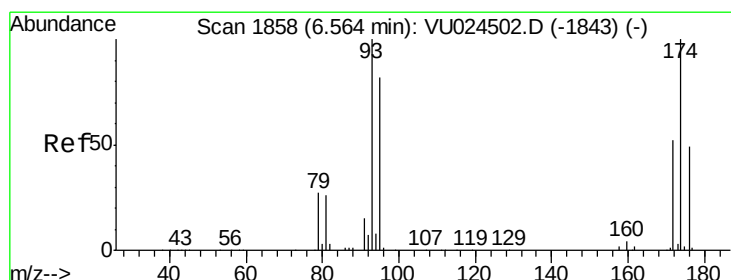
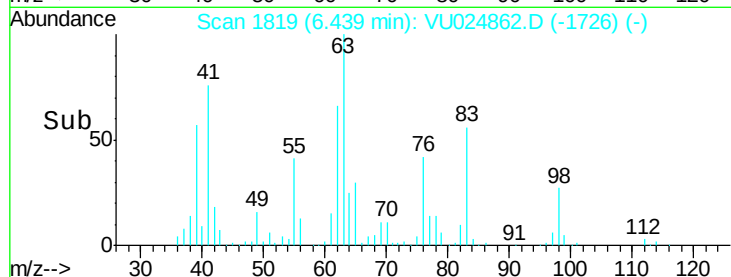
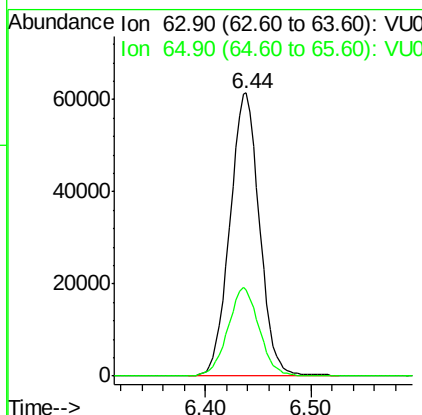
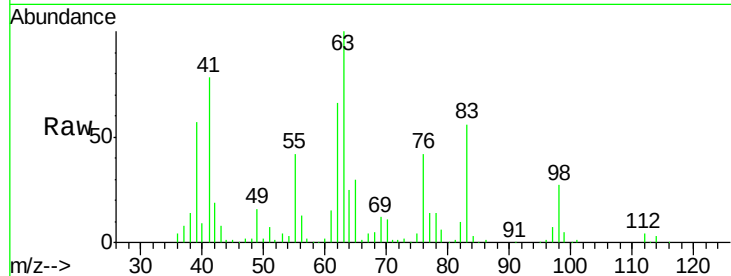




#45
 1,2-Dichloropropane
 Concen: 48.92 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

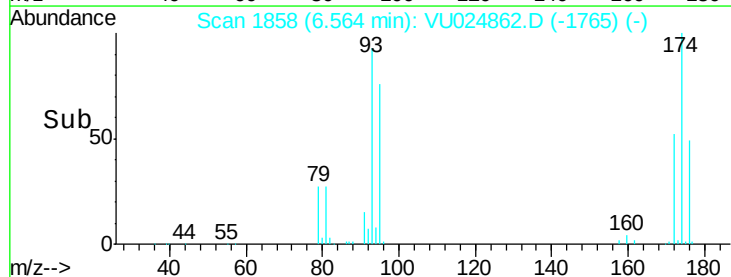
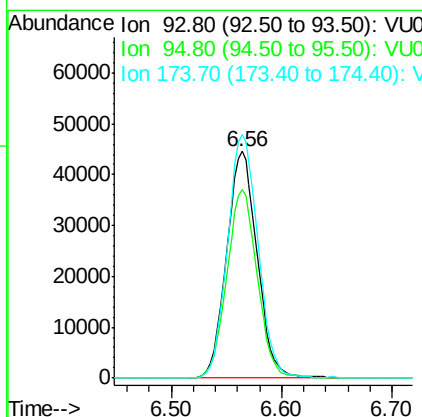
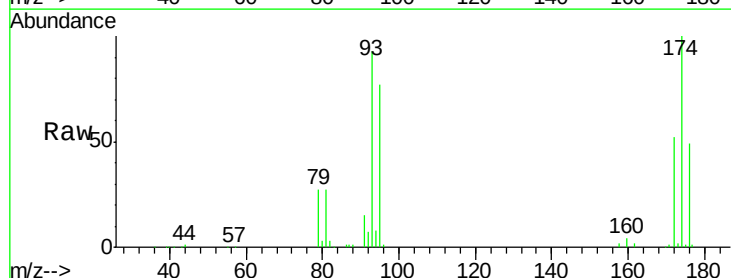
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

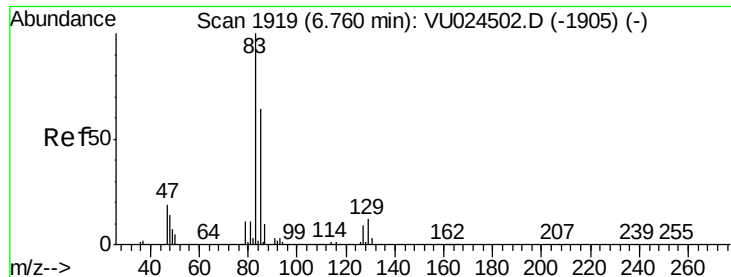
Tot Ion: 63 Resp: 119625
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.8 37.2



#46
 Dibromomethane
 Concen: 49.91 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion: 93 Resp: 85721
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.5 98.3
 174 107.0 78.7 118.1





#47

Bromodichloromethane

Concen: 48.32 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

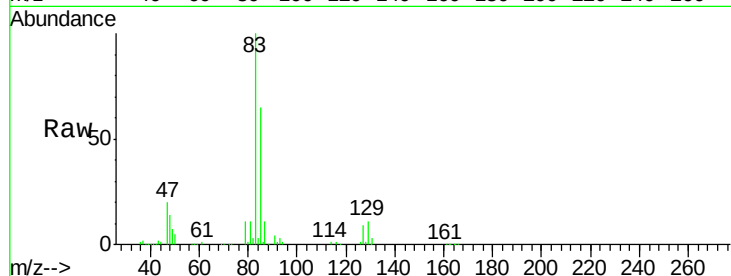
Tot Ion: 83 Resp: 165247

Ion Ratio Lower Upper

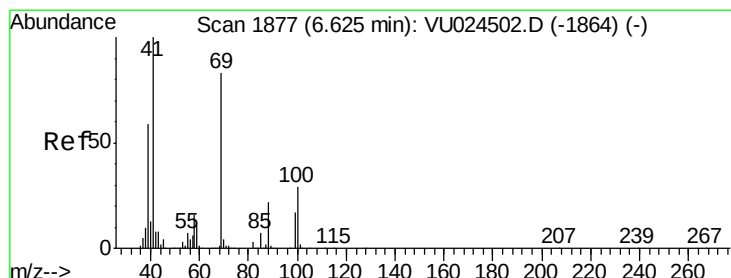
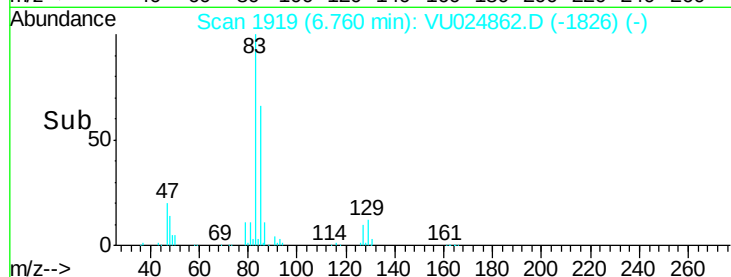
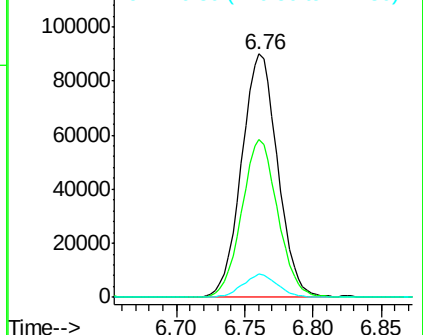
83 100

85 64.9 51.9 77.9

127 9.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.86 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

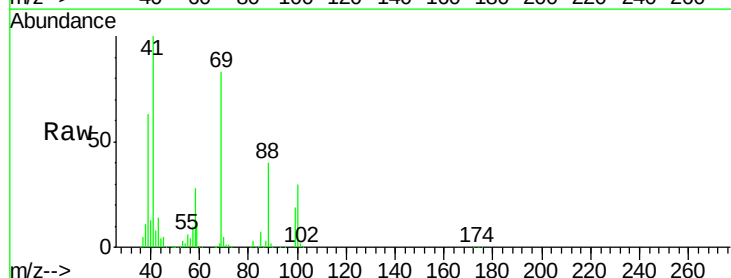
Tgt Ion: 41 Resp: 147098

Ion Ratio Lower Upper

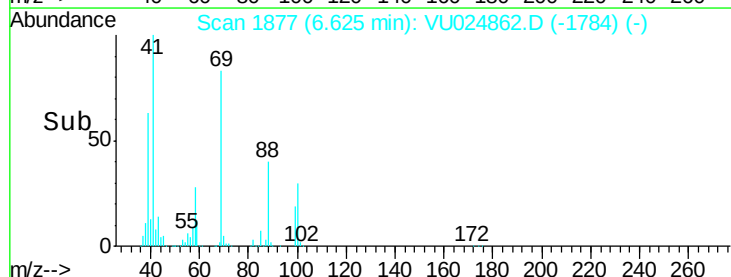
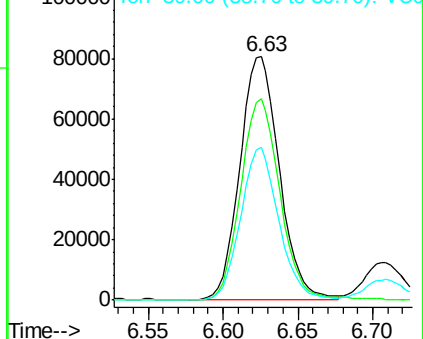
41 100

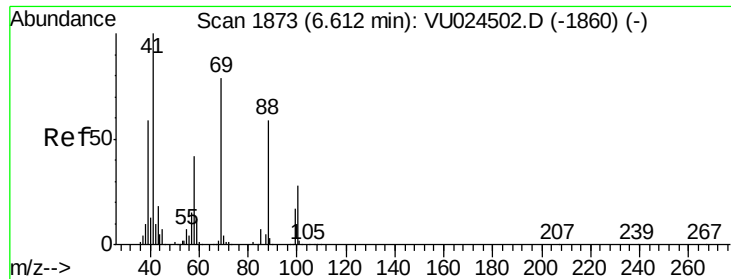
69 83.1 67.3 100.9

39 60.3 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 1389.33 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.02 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

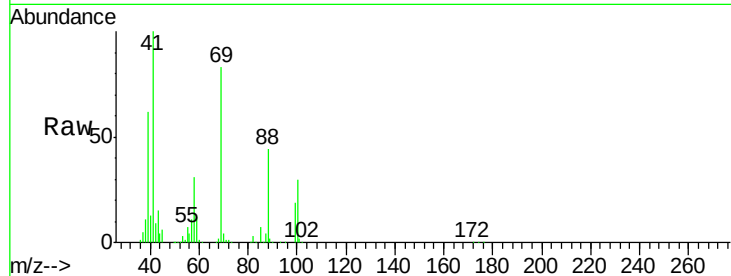
Tot Ion: 88 Resp: 80165

Ion Ratio Lower Upper

88 100

43 32.8 28.6 42.8

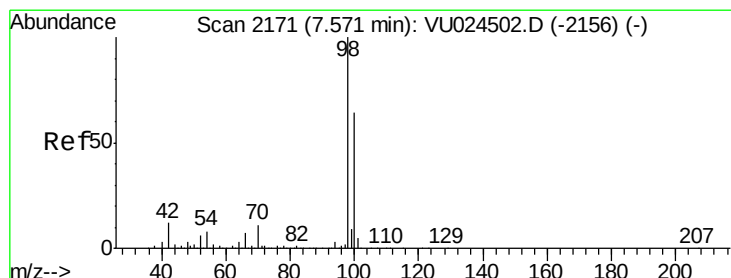
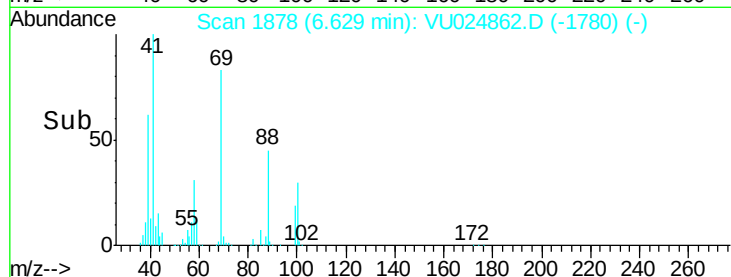
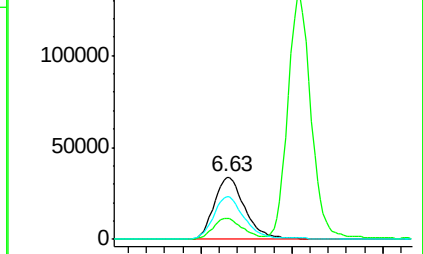
58 68.0 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VU024862.D (-1780) (-)

Ion 43.00 (42.70 to 43.70): VU024862.D (-1780) (-)

Ion 58.00 (57.70 to 58.70): VU024862.D (-1780) (-)



#50

Toluene-d8

Concen: 42.70 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024862.D

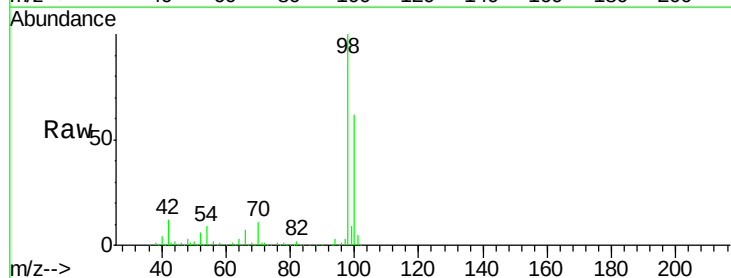
Acq: 23 Jun 2018 03:30

Tgt Ion: 98 Resp: 353774

Ion Ratio Lower Upper

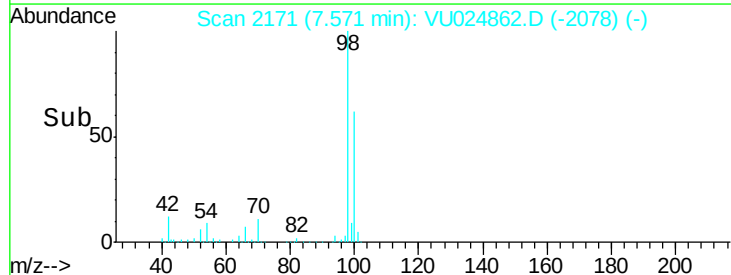
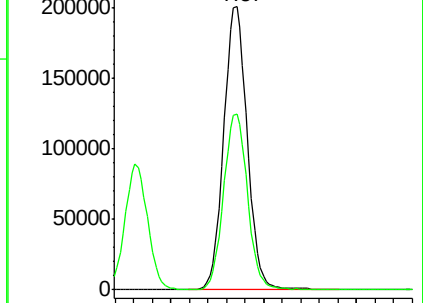
98 100

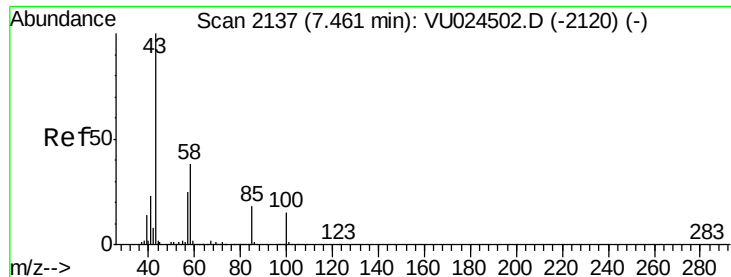
100 63.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024862.D (-2078) (-)

Ion 100.00 (99.70 to 100.70): VU024862.D (-2078) (-)





#51

4-Methyl-2-Pentanone

Concen: 263.88 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

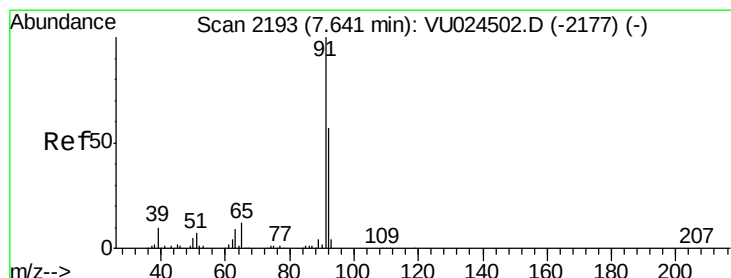
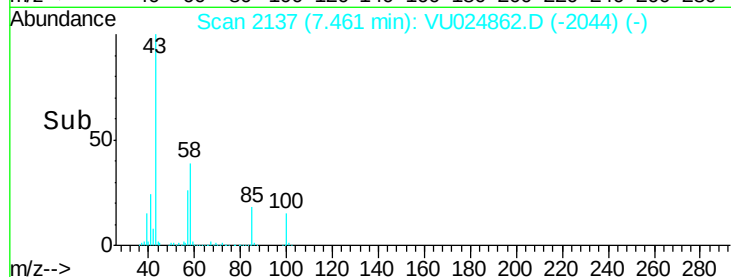
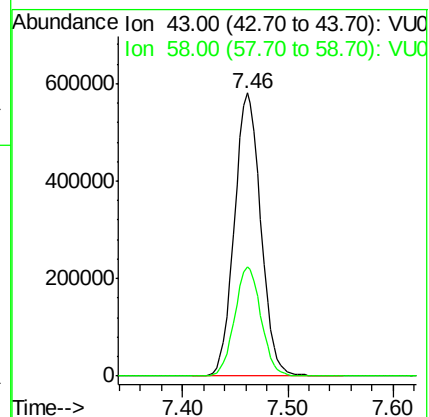
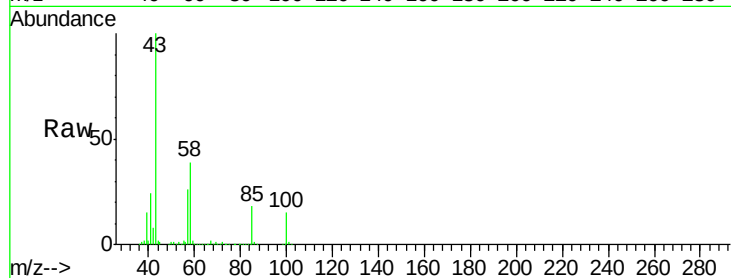
S32-0627MSD

Tot Ion: 43 Resp: 1004510

Ion Ratio Lower Upper

43 100

58 38.5 30.0 45.0



#52

Toluene

Concen: 48.38 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024862.D

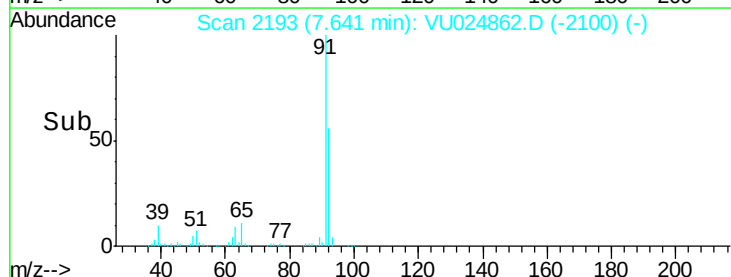
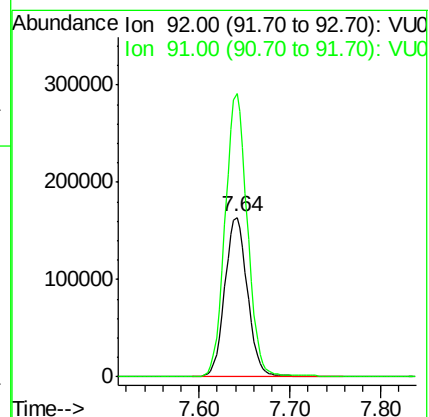
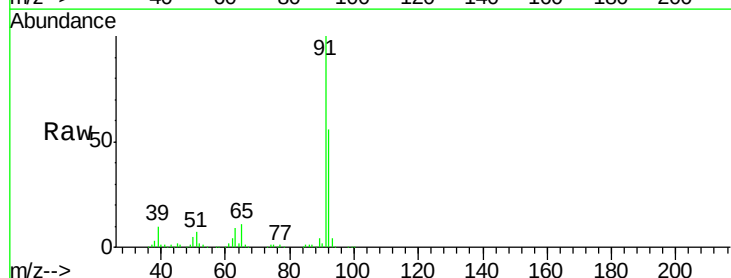
Acq: 23 Jun 2018 03:30

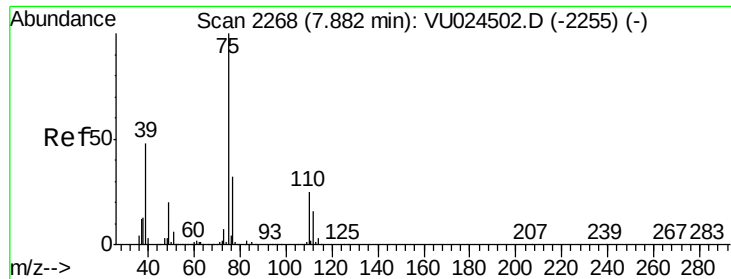
Tgt Ion: 92 Resp: 285269

Ion Ratio Lower Upper

92 100

91 173.8 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 45.55 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

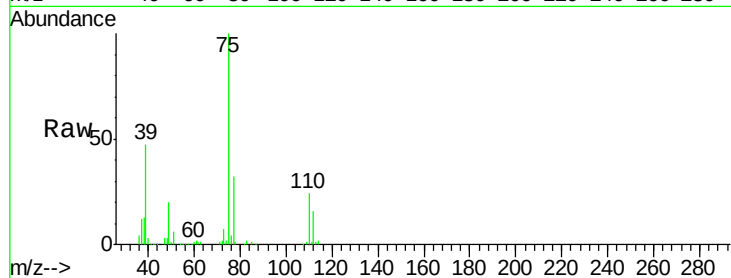
S32-0627MSD

Tot Ion: 75 Resp: 174971

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

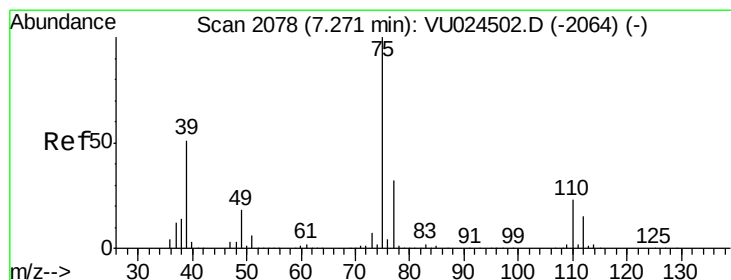
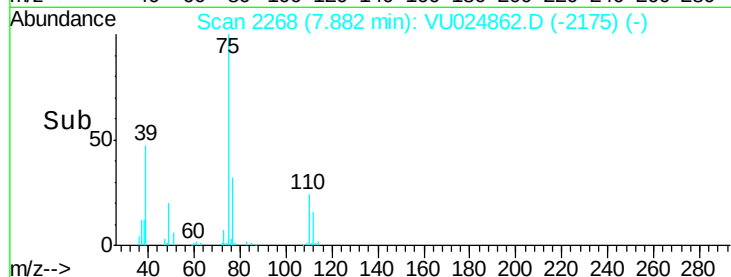
60000

40000

20000

0

Time--> 7.80 7.85 7.90 7.95



#54

cis-1,3-Dichloropropene

Concen: 44.70 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

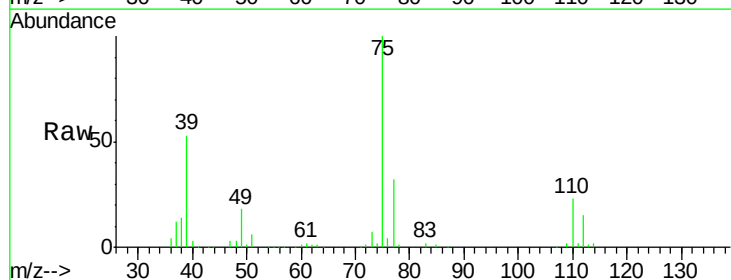
Tgt Ion: 75 Resp: 182947

Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8

39 53.3 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

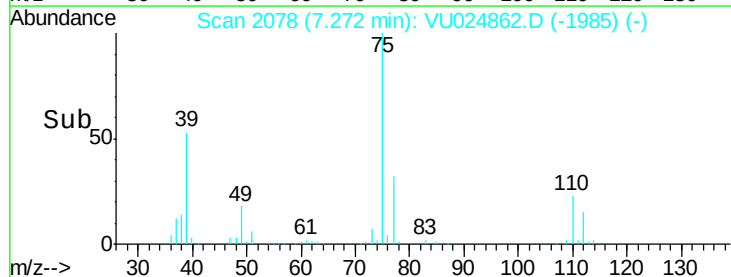
7.27

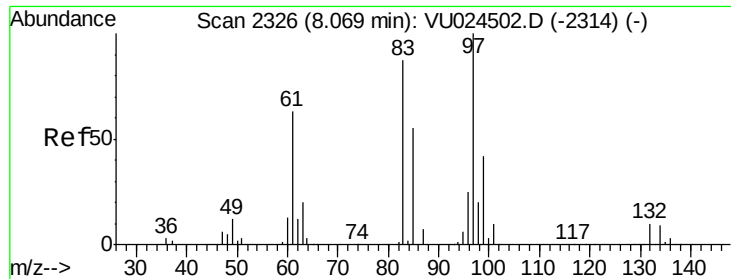
100000

50000

0

Time--> 7.20 7.25 7.30 7.35

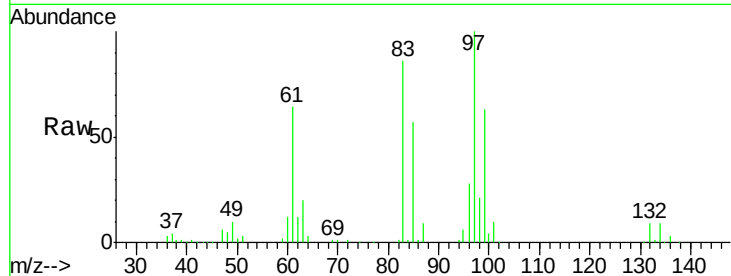




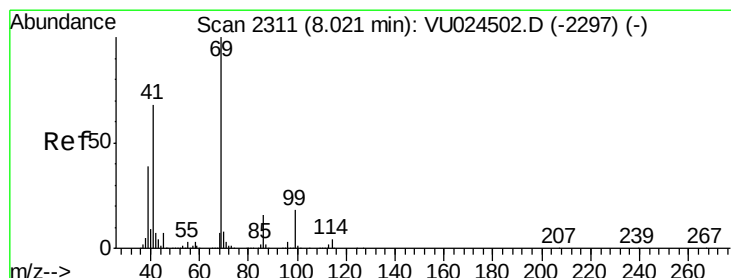
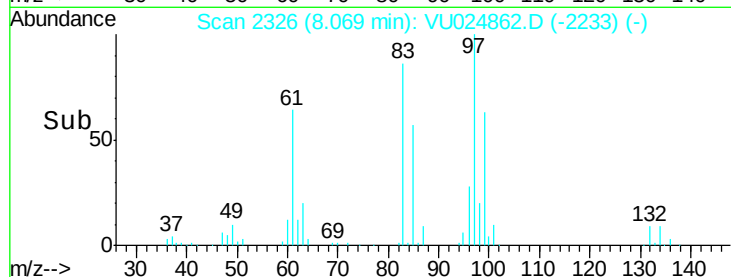
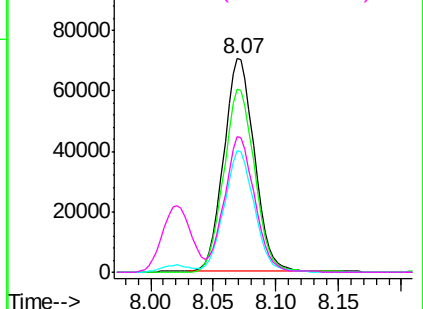
#55
 1,1,2-Trichloroethane
 Concen: 50.06 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

Tot Ion:	97	Resp:	119968
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.5	105.7
85	56.6	46.4	69.6
99	63.3	50.2	75.2

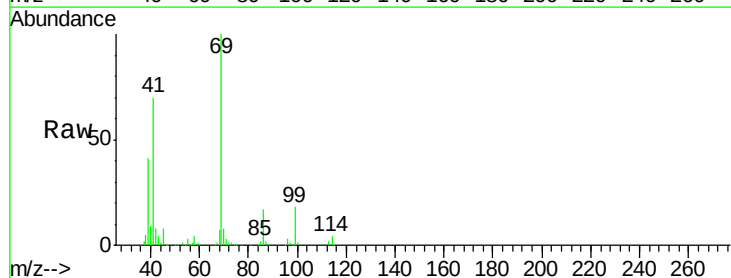


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

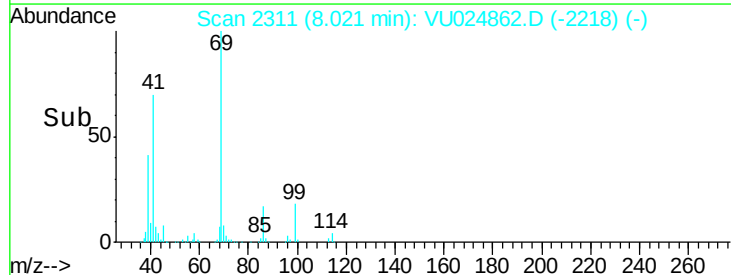
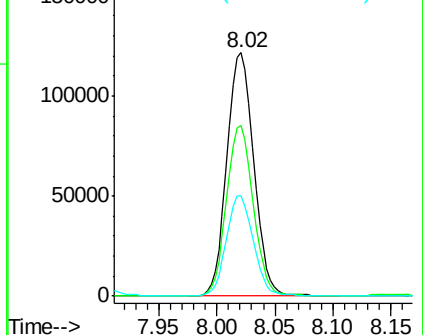


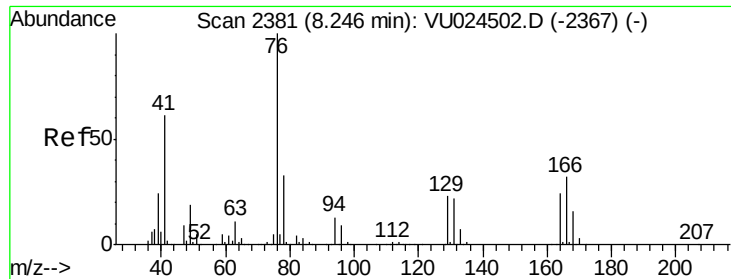
#56
 Ethyl methacrylate
 Concen: 48.71 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion:	69	Resp:	195389
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.1	81.1
39	40.6	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

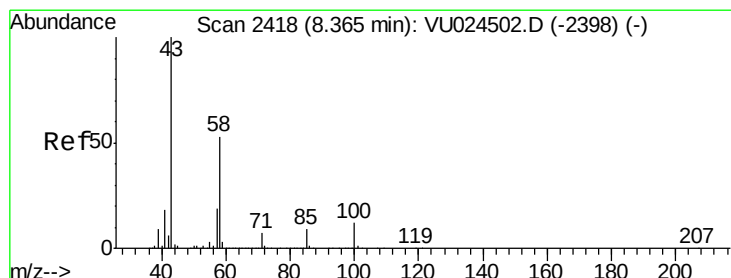
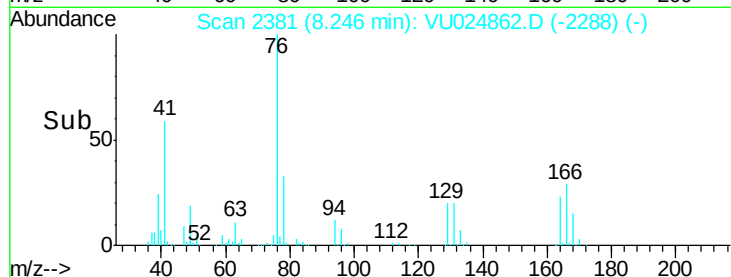
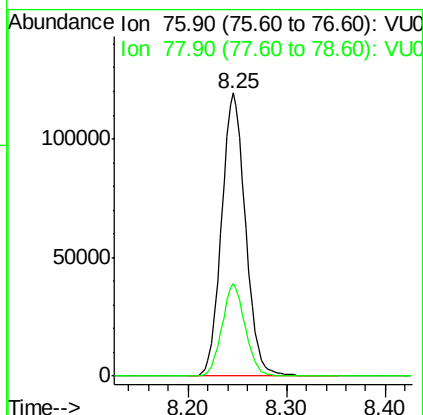
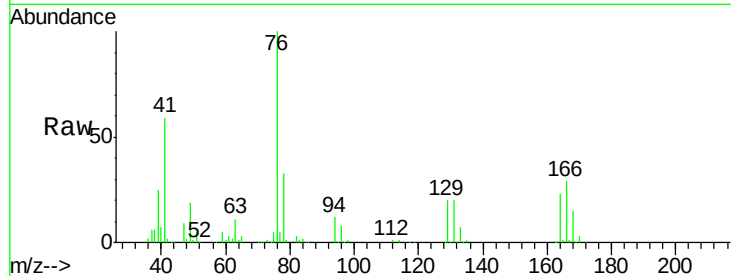




#57
 1,3-Dichloropropane
 Concen: 50.42 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

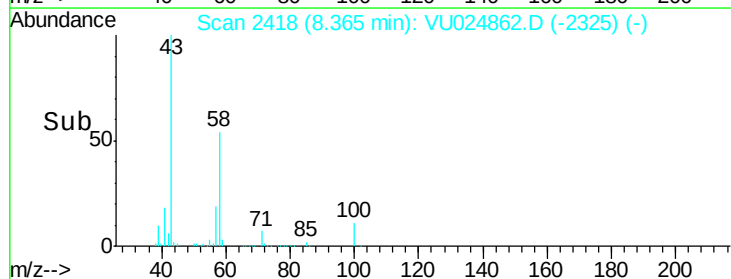
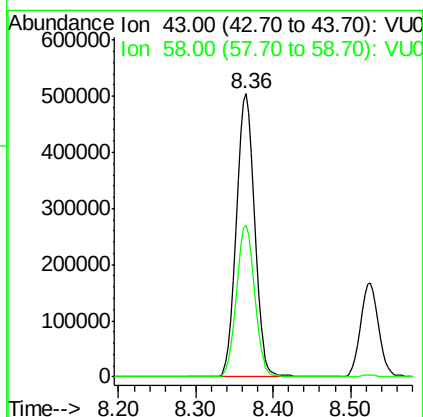
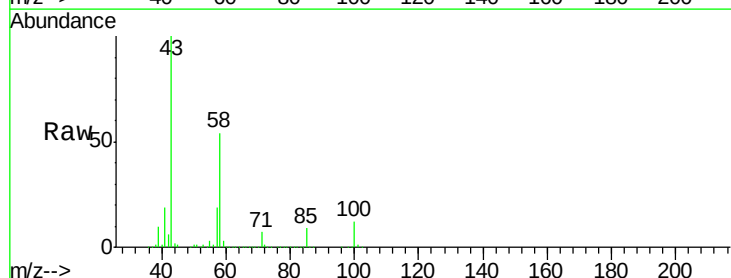
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

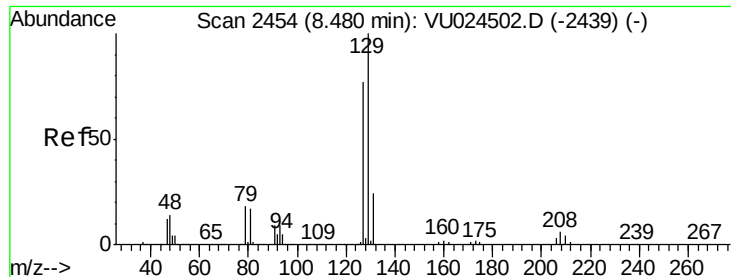
Tot Ion: 76 Resp: 203850
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8



#59
 2-Hexanone
 Concen: 262.01 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion: 43 Resp: 814270
 Ion Ratio Lower Upper
 43 100
 58 53.5 26.4 79.0

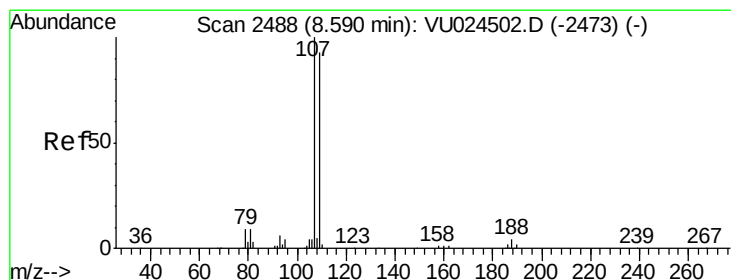
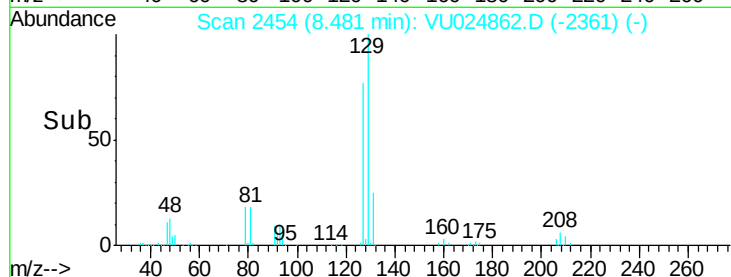
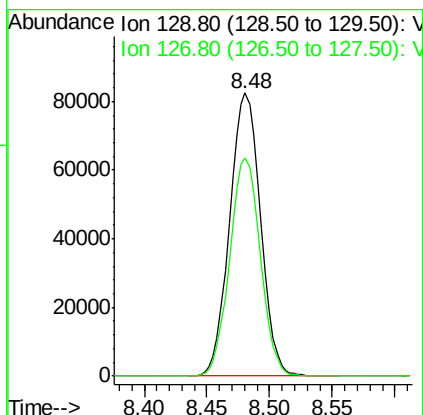
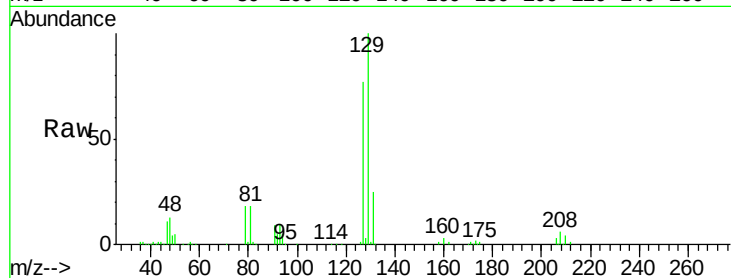




#60
Dibromochloromethane
Concen: 47.25 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

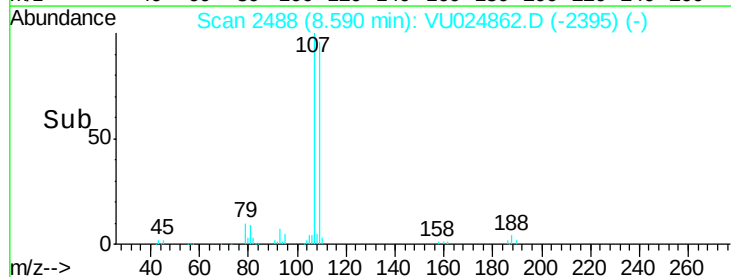
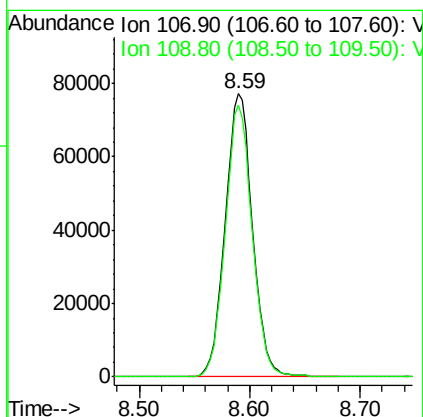
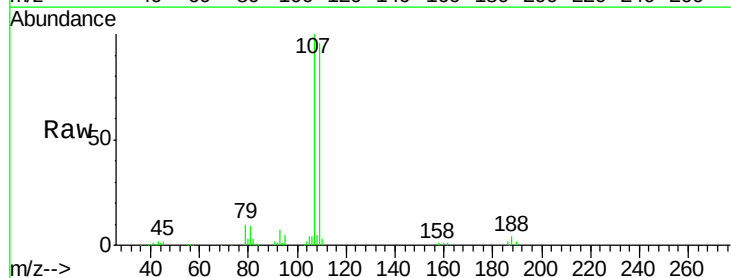
Instrument :
MSVOA_U
ClientSampleId :
S32-0627MSD

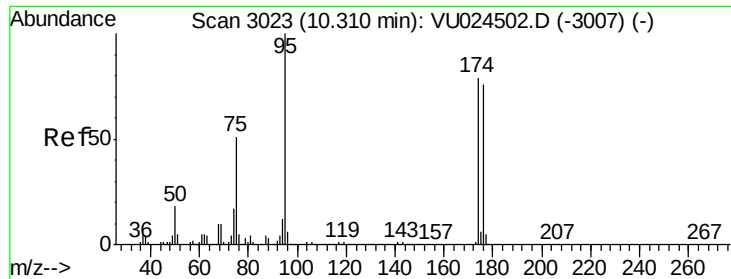
Tot Ion:129 Resp: 141223
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0



#61
1,2-Dibromoethane
Concen: 49.70 ug/l
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

Tgt Ion:107 Resp: 132572
Ion Ratio Lower Upper
107 100
109 94.9 74.5 111.7





#62

4-Bromofluorobenzene

Concen: 42.98 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

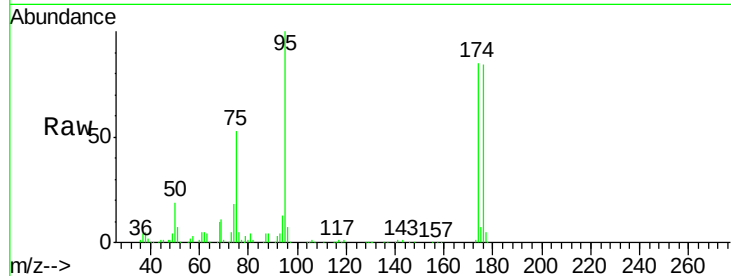
Tot Ion: 95 Resp: 141379

Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

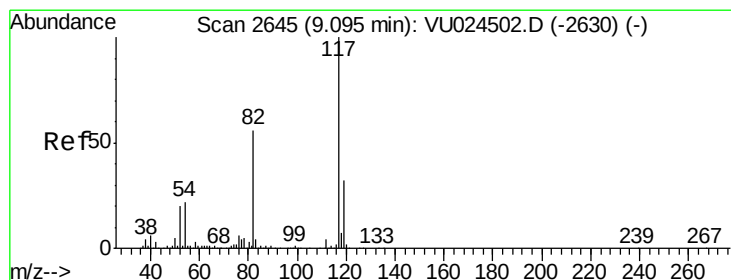
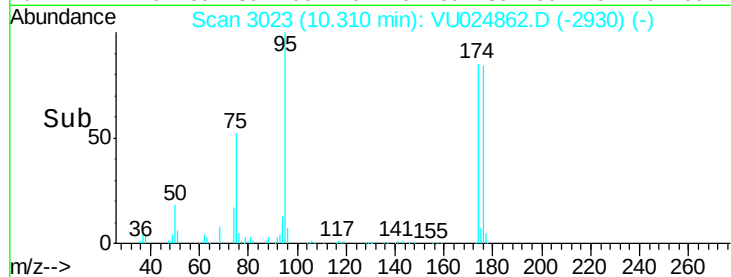
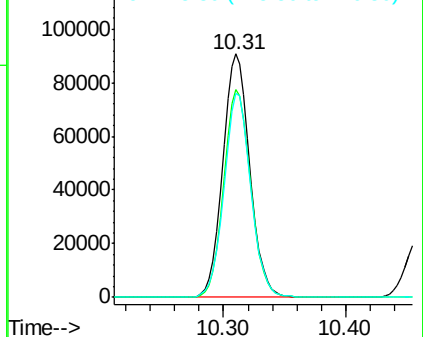
176 82.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

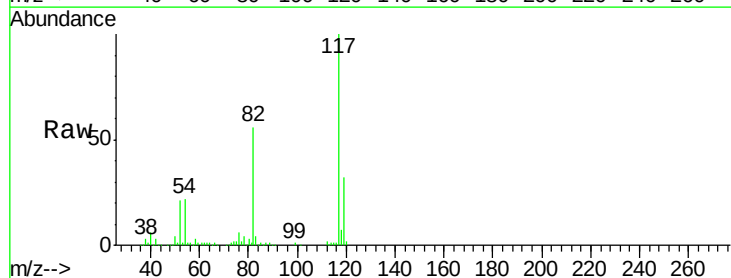
Tgt Ion: 117 Resp: 257880

Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

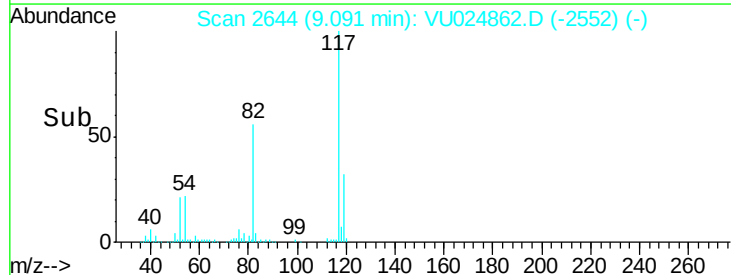
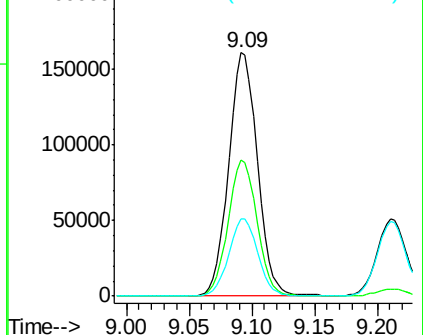
119 31.5 25.4 38.2

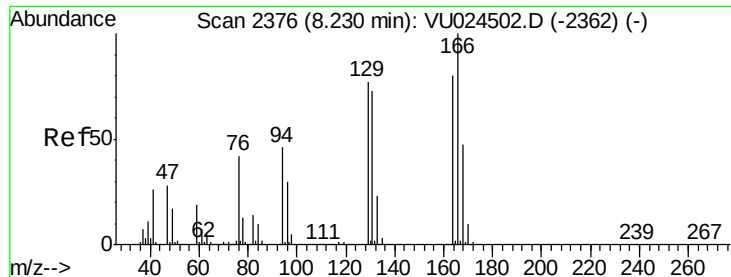


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#64

Tetrachloroethene

Concen: 44.94 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

Tot Ion:164 Resp: 110171

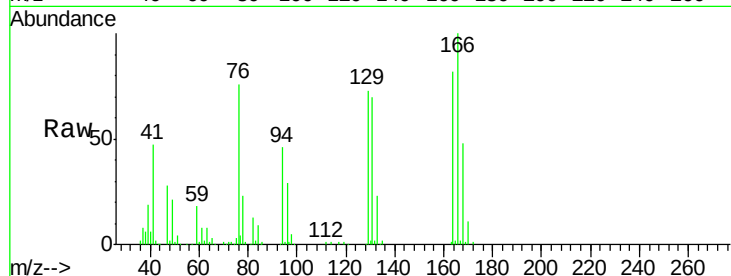
Ion Ratio Lower Upper

164 100

166 122.1 101.7 152.5

129 89.5 76.9 115.3

131 85.2 74.9 112.3

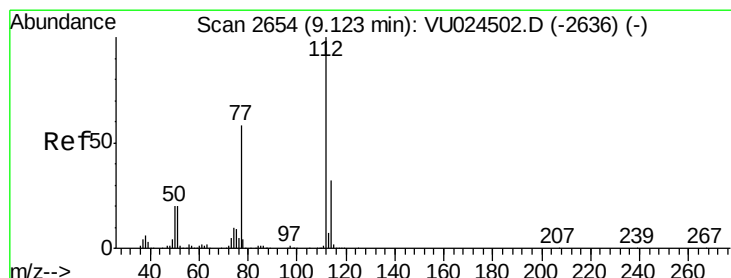
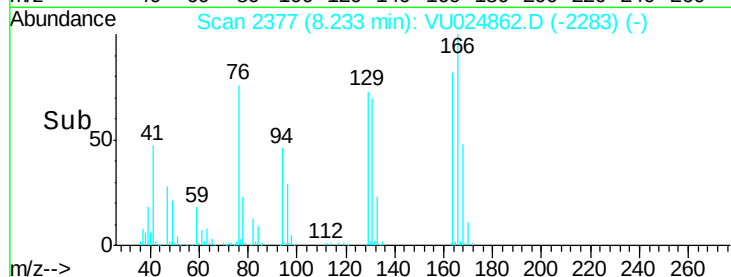
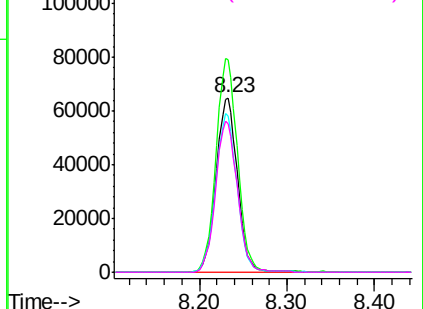


Abundance Ion 163.80 (163.50 to 164.50): V

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: 49.34 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024862.D

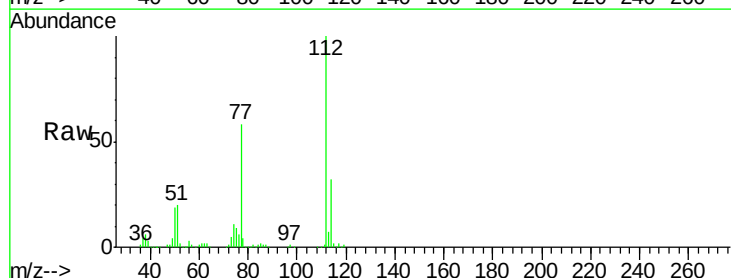
Acq: 23 Jun 2018 03:30

Tgt Ion:112 Resp: 325049

Ion Ratio Lower Upper

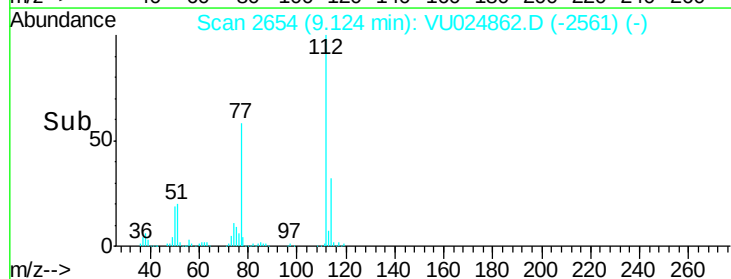
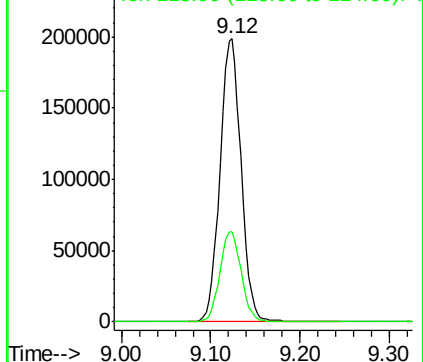
112 100

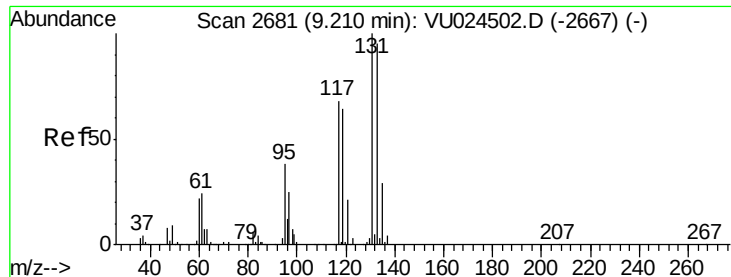
114 31.9 25.6 38.4



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: 49.68 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

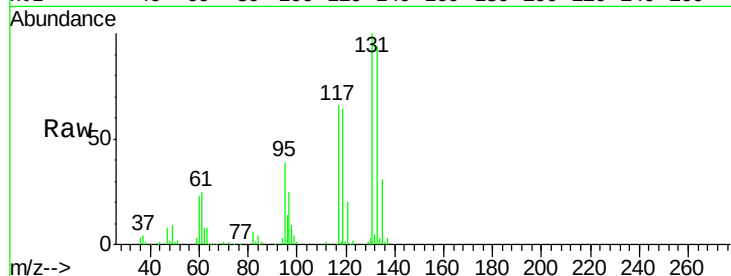
Tot Ion:131 Resp: 124331

Ion Ratio Lower Upper

131 100

133 95.9 46.9 140.8

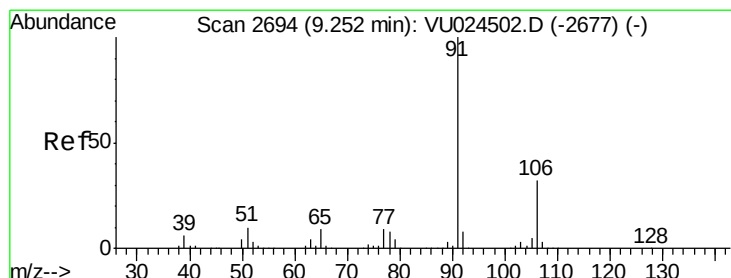
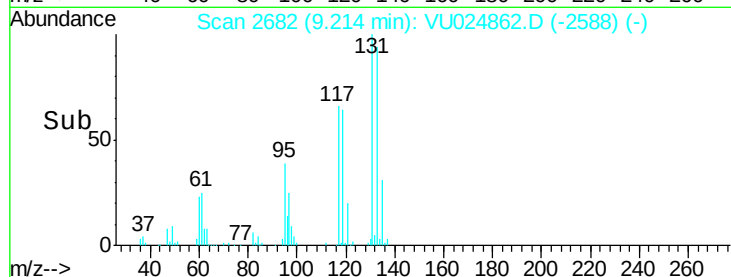
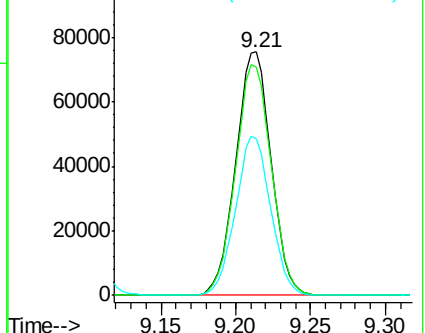
119 64.8 33.5 100.4



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: 48.61 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024862.D

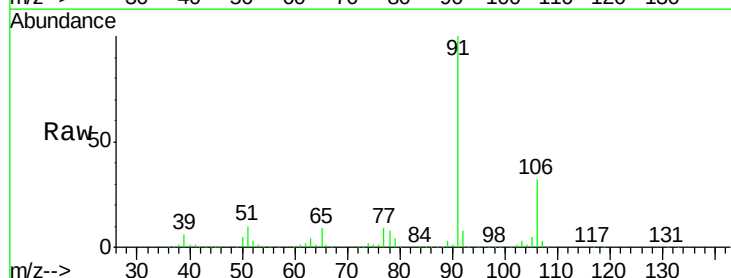
Acq: 23 Jun 2018 03:30

Tgt Ion: 91 Resp: 561424

Ion Ratio Lower Upper

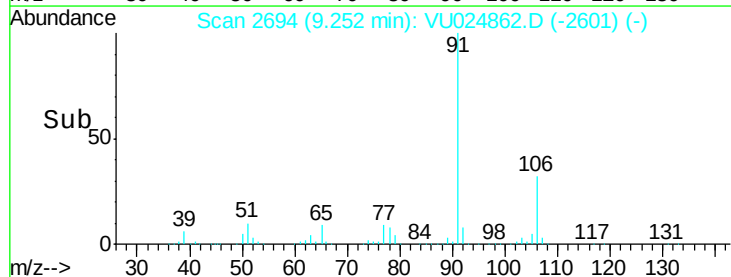
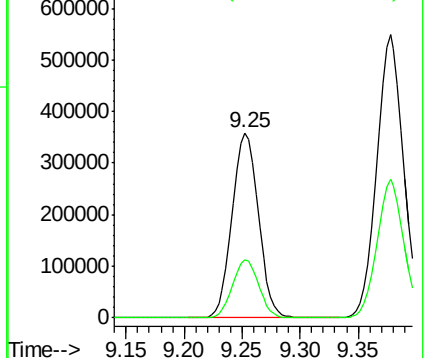
91 100

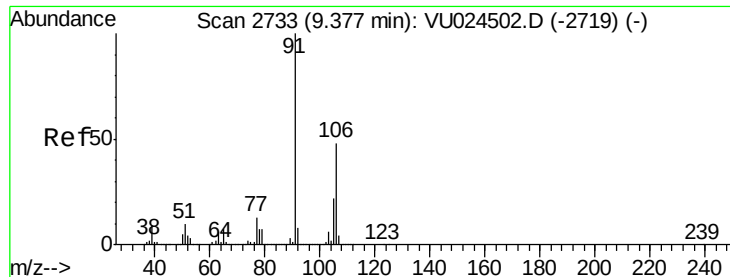
106 31.6 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 97.74 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

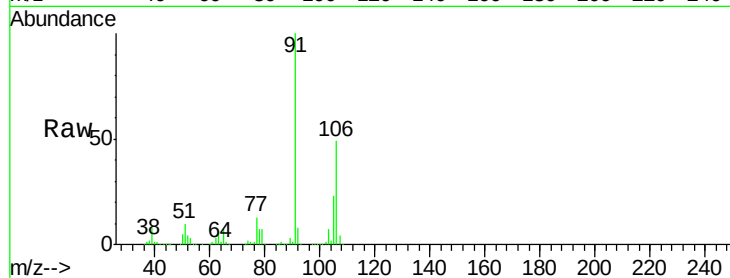
S32-0627MSD

Tot Ion:106 Resp: 433453

Ion Ratio Lower Upper

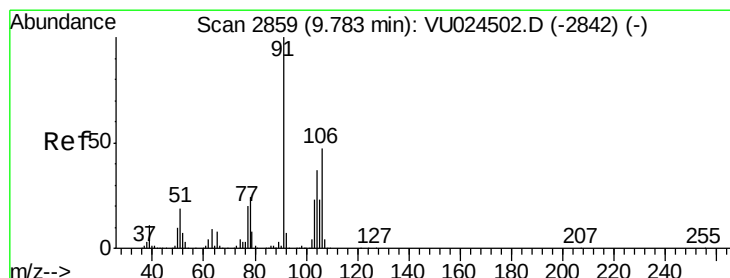
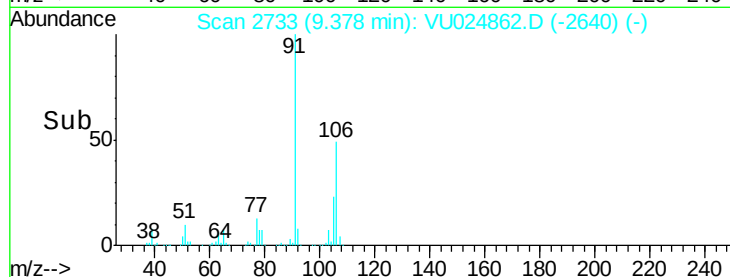
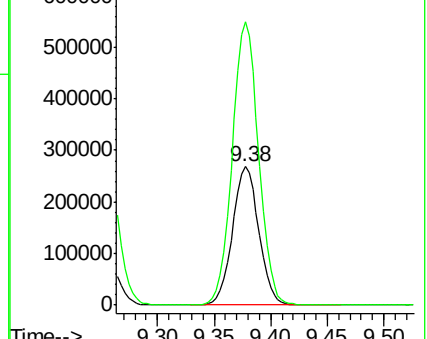
106 100

91 204.8 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 49.53 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU024862.D

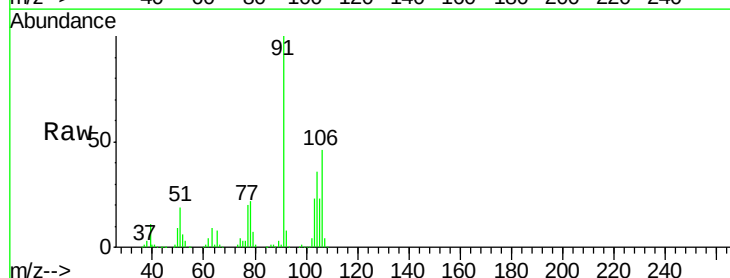
Acq: 23 Jun 2018 03:30

Tgt Ion:106 Resp: 217399

Ion Ratio Lower Upper

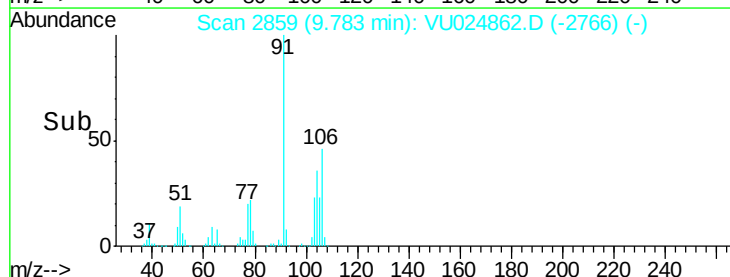
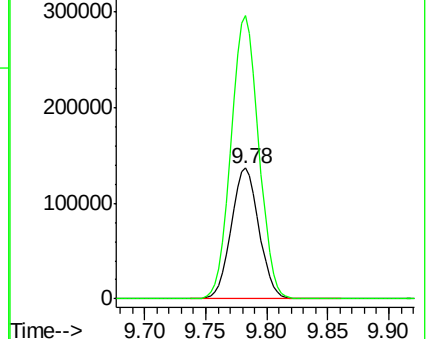
106 100

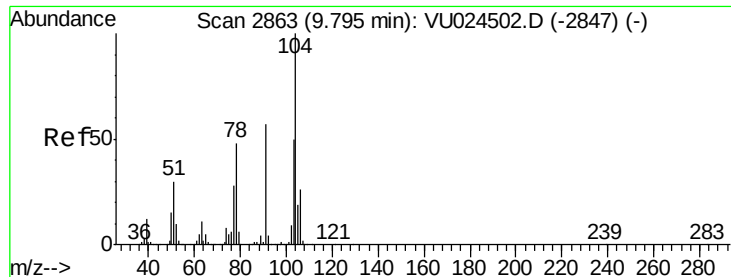
91 216.0 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

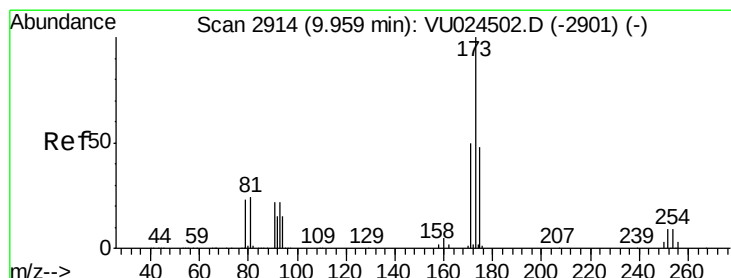
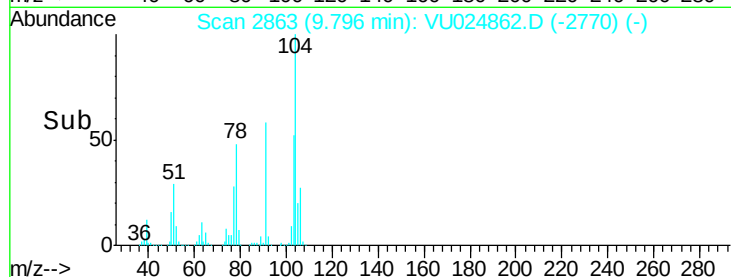
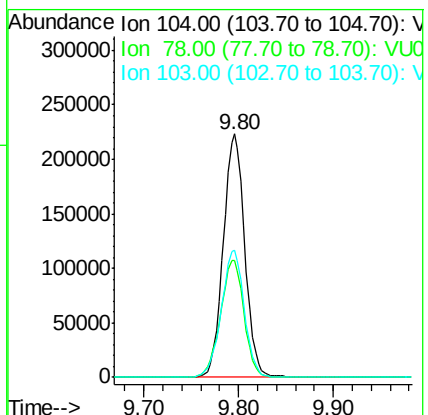
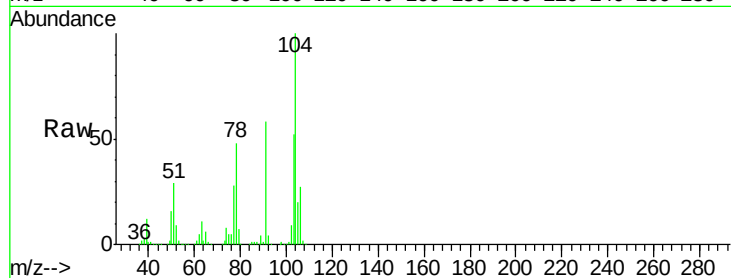




#70
Stvrene
Concen: 48.86 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

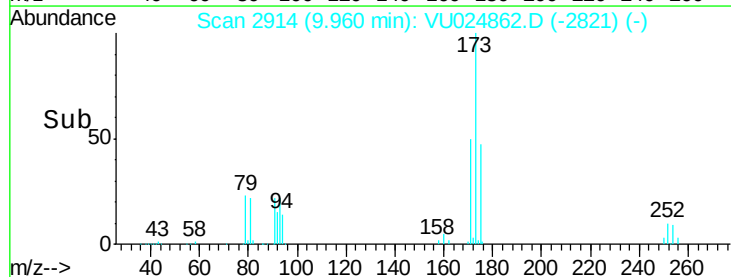
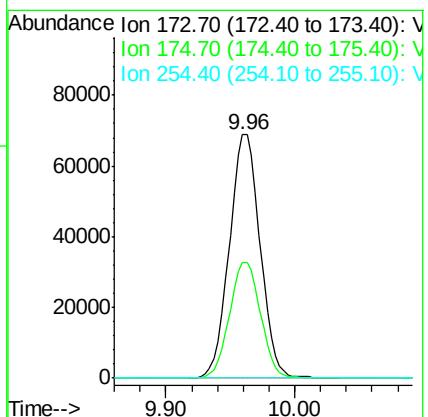
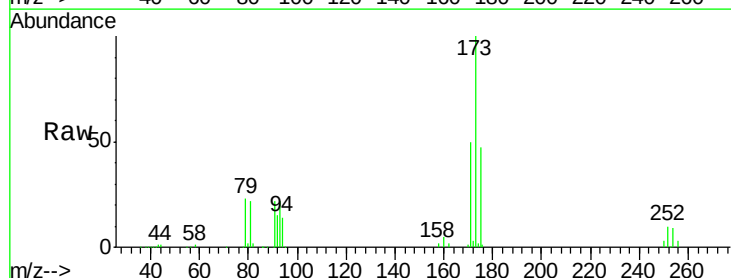
Instrument :
MSVOA_U
ClientSampleId :
S32-0627MSD

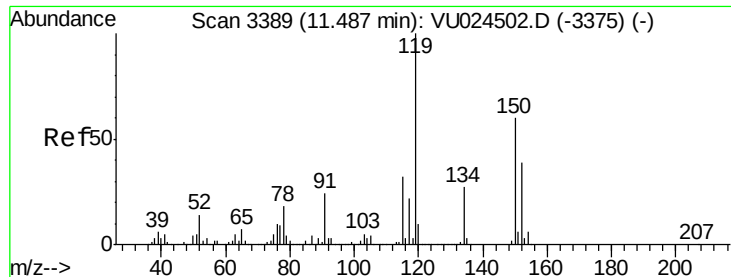
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.5	40.6	60.8
103	55.8	44.7	67.1



#71
Bromoform
Concen: 47.86 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU024862.D
Acq: 23 Jun 2018 03:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.0	0.0	0.0

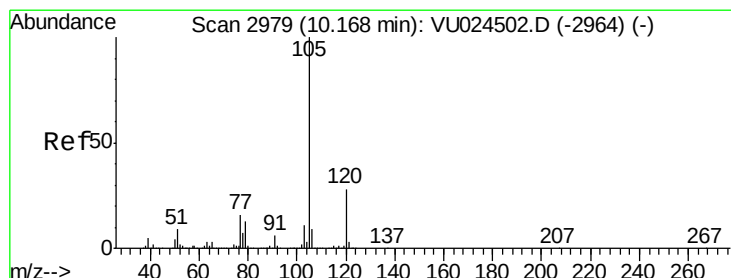
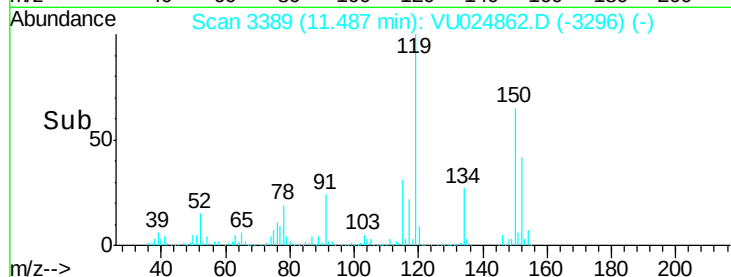
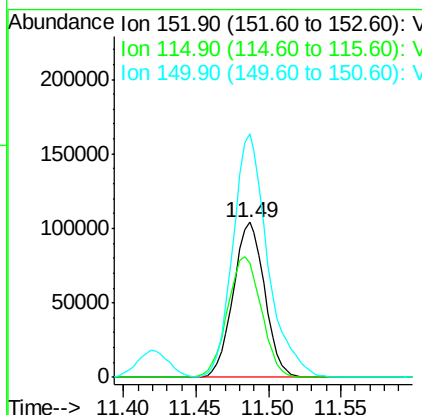
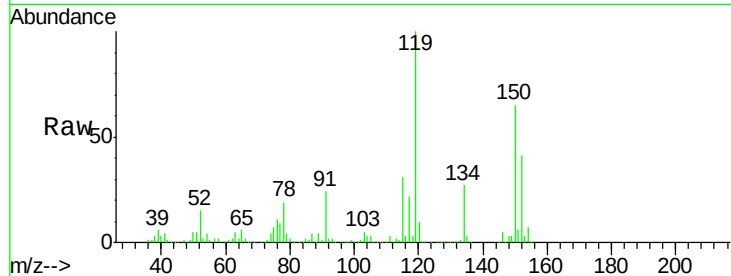




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

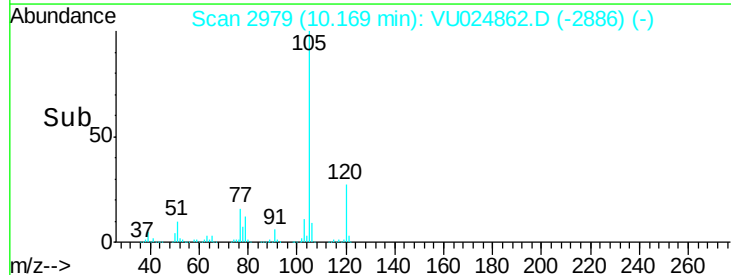
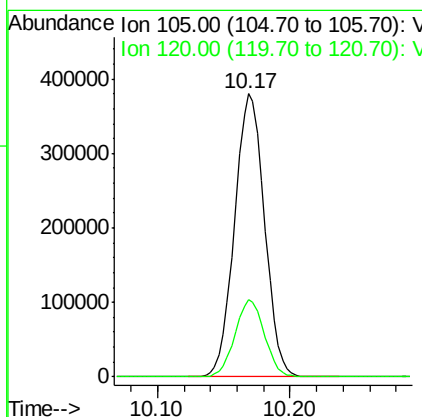
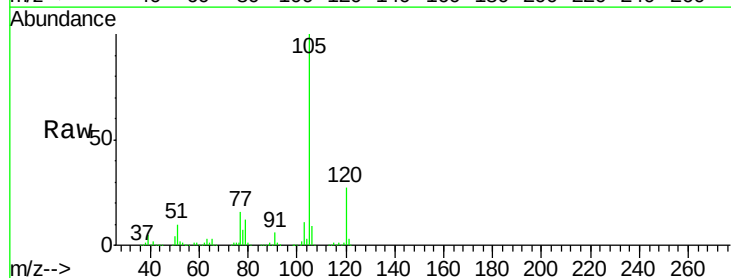
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

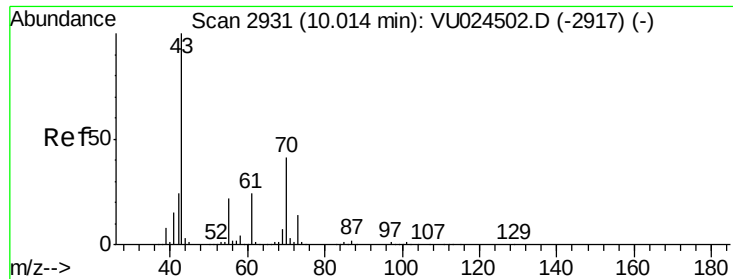
Tot Ion:152 Resp: 156589
 Ion Ratio Lower Upper
 152 100
 115 83.6 43.0 129.0
 150 173.6 0.0 354.0



#73
 Isopropylbenzene
 Concen: 49.50 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion:105 Resp: 595161
 Ion Ratio Lower Upper
 105 100
 120 26.8 13.2 39.6





#74

N-amvl acetate

Concen: 47.66 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

Tot Ion: 43 Resp: 272520

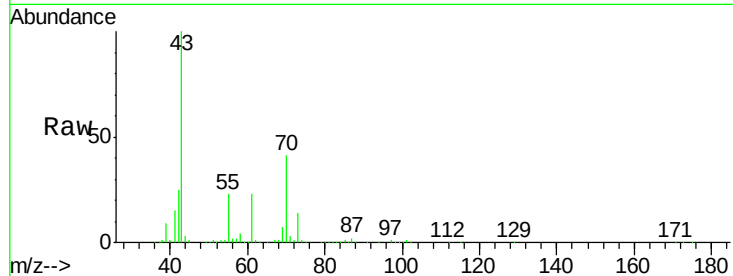
Ion Ratio Lower Upper

43 100

70 41.6 32.2 48.4

55 22.8 20.5 30.7

61 23.0 18.7 28.1

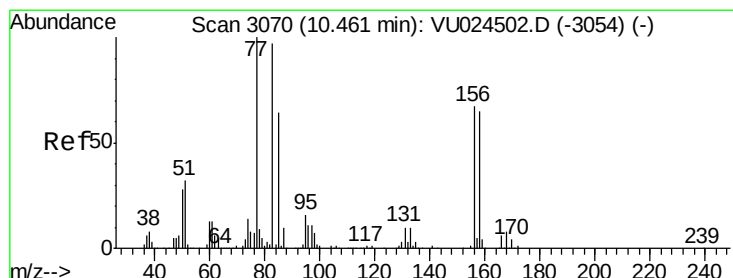
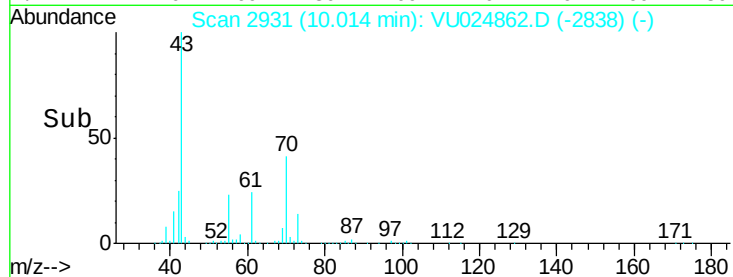
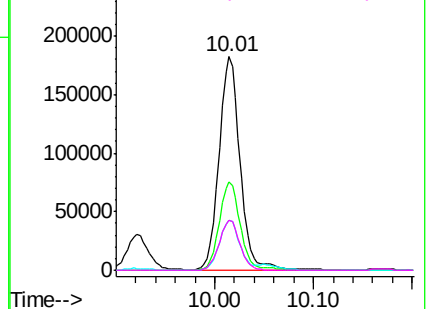


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 51.18 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

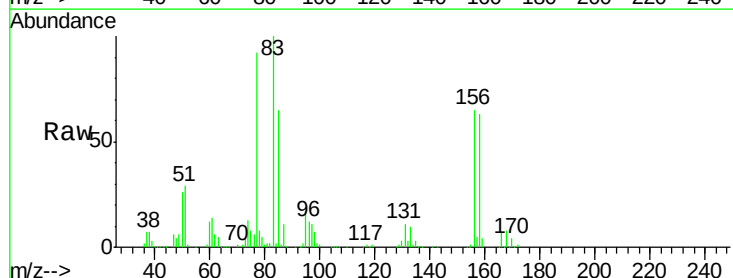
Tgt Ion: 83 Resp: 206194

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

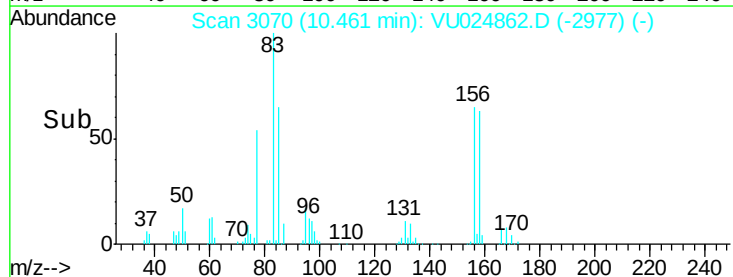
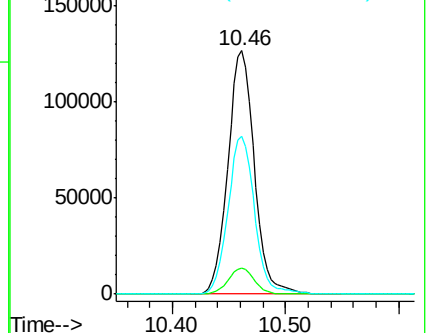
85 65.1 32.5 97.5

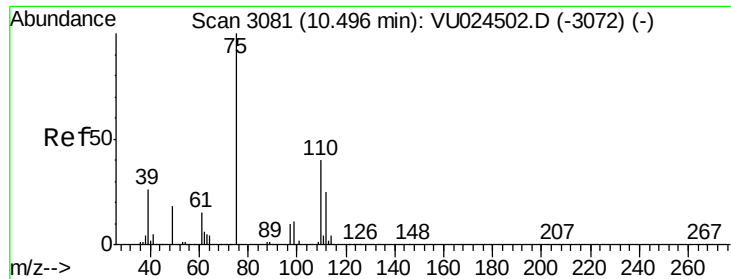


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 66.68 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

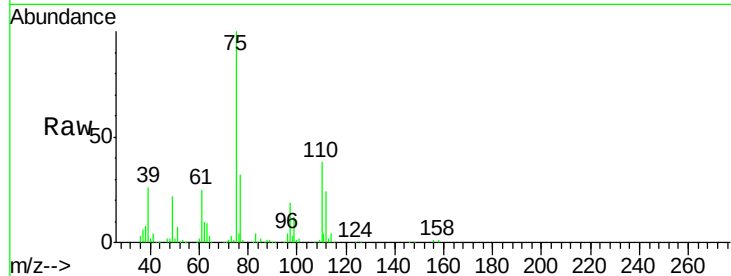
S32-0627MSD

Tot Ion: 75 Resp: 229871

Ion Ratio Lower Upper

75 100

77 31.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

150000

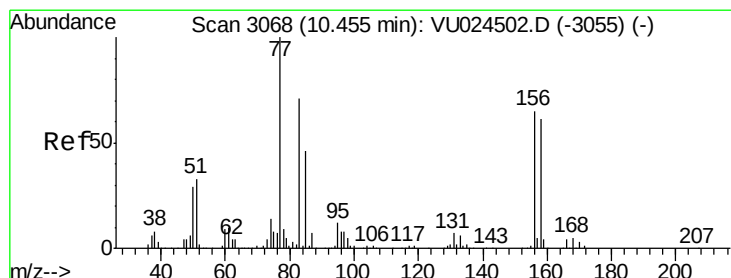
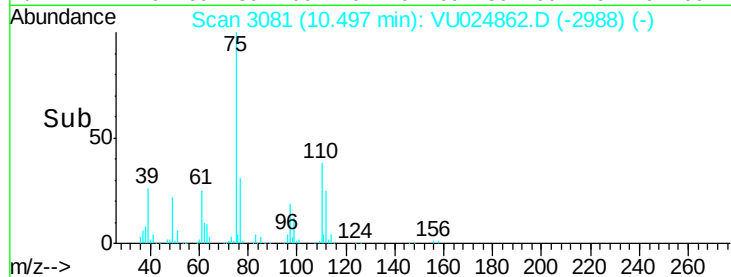
100000

50000

0

10.45 10.50 10.55

Time-->



#77

Bromobenzene

Concen: 49.87 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

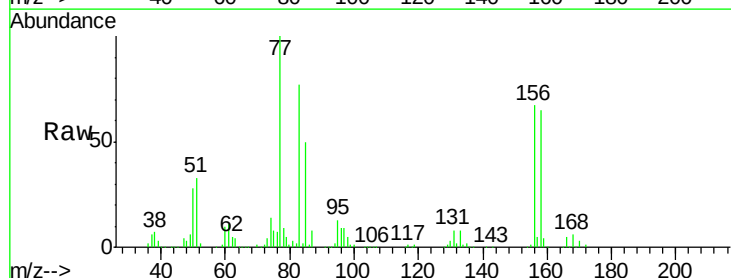
Tgt Ion: 156 Resp: 151793

Ion Ratio Lower Upper

156 100

77 149.4 80.5 241.3

158 96.8 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

150000

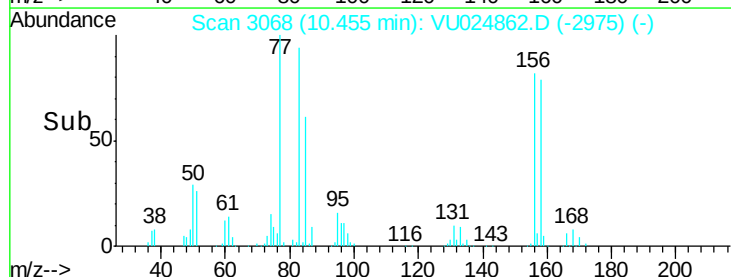
100000

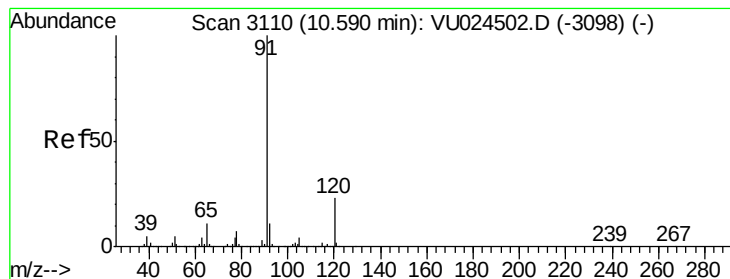
50000

0

10.40 10.45 10.50

Time-->





#78

n-propylbenzene

Concen: 47.62 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

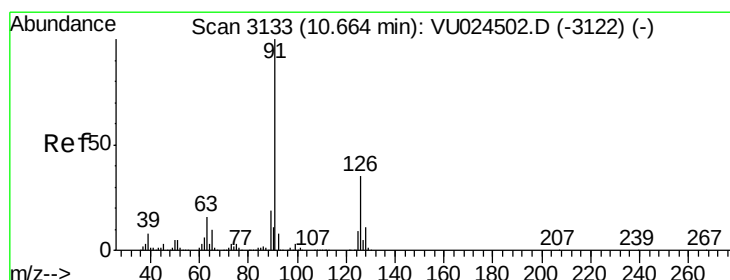
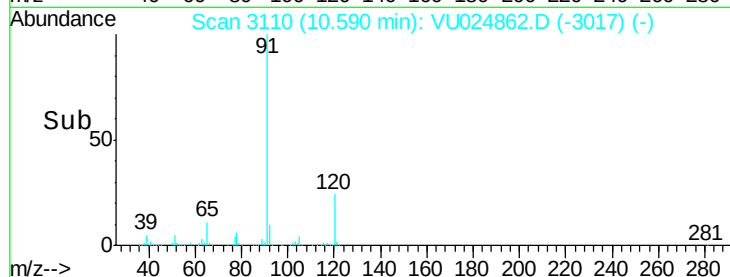
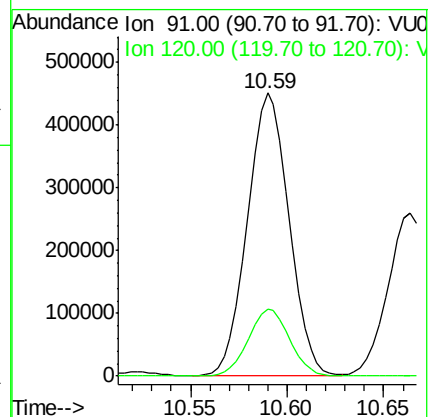
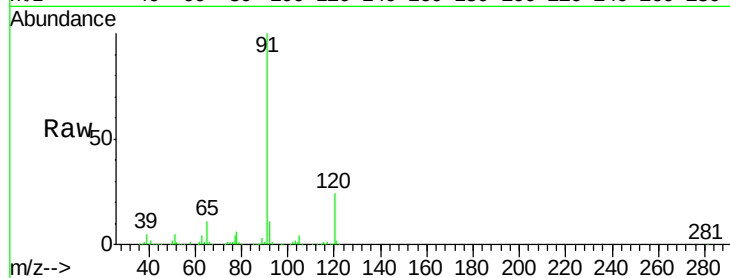
S32-0627MSD

Tot Ion: 91 Resp: 674400

Ion Ratio Lower Upper

91 100

120 23.6 11.2 33.5



#79

2-Chlorotoluene

Concen: 48.07 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024862.D

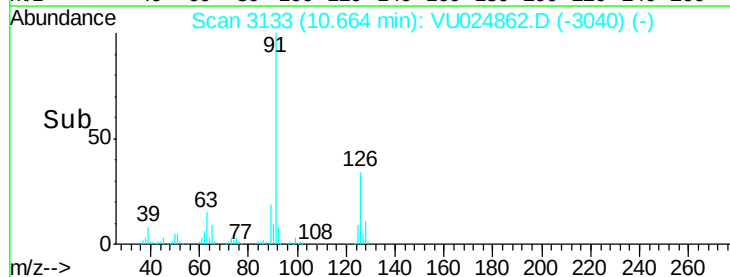
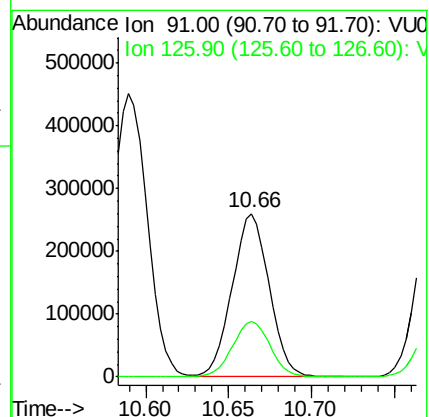
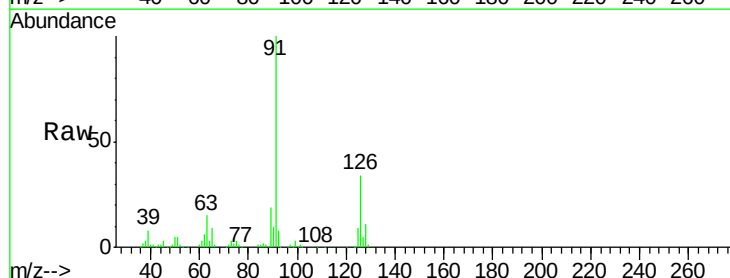
Acq: 23 Jun 2018 03:30

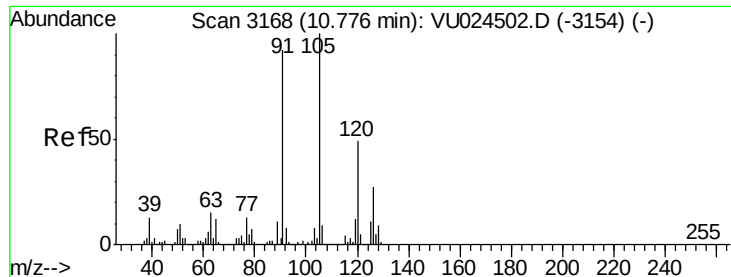
Tgt Ion: 91 Resp: 401455

Ion Ratio Lower Upper

91 100

126 34.6 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 48.52 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

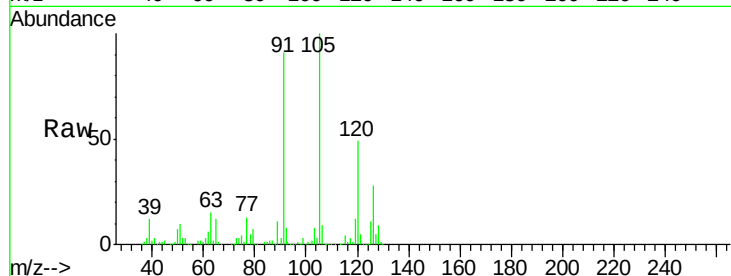
S32-0627MSD

Tot Ion:105 Resp: 505639

Ion Ratio Lower Upper

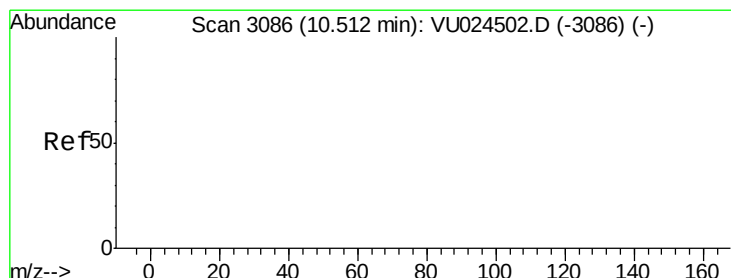
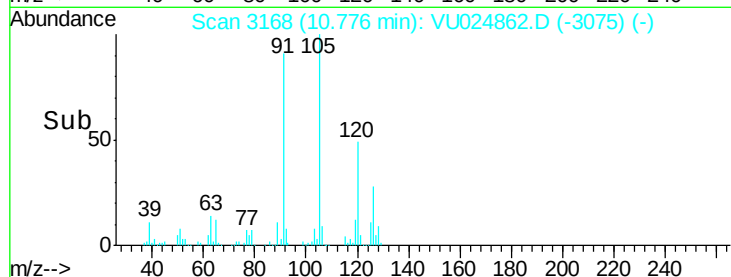
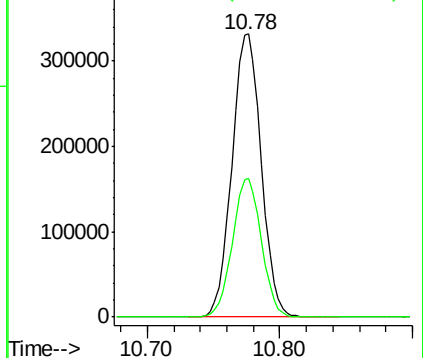
105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 154.32 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

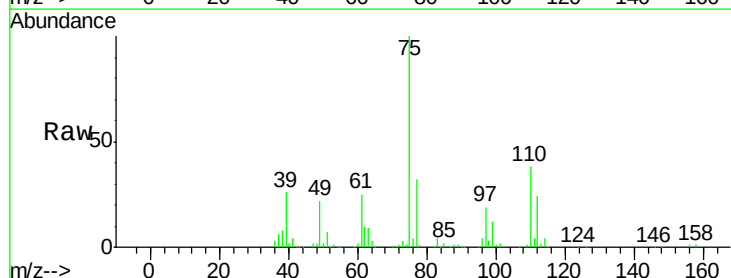
Tgt Ion: 75 Resp: 229871

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

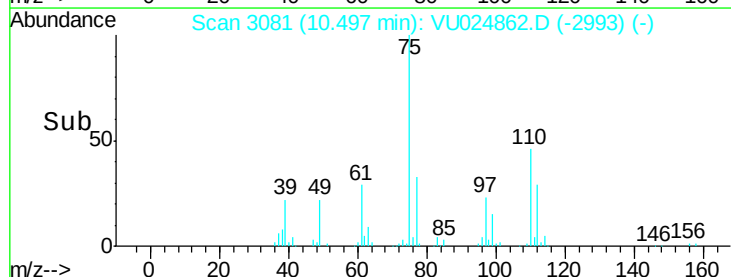
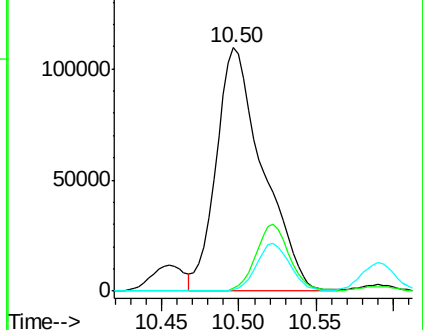
89 0.0 0.0 0.0

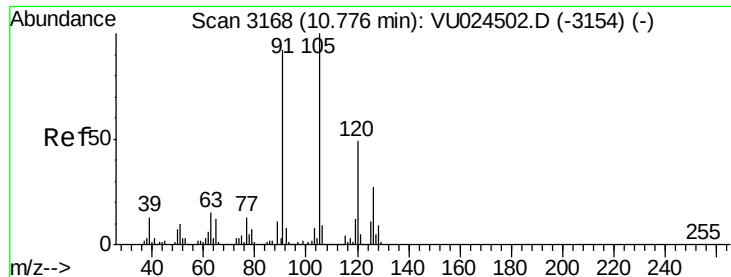


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 47.89 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

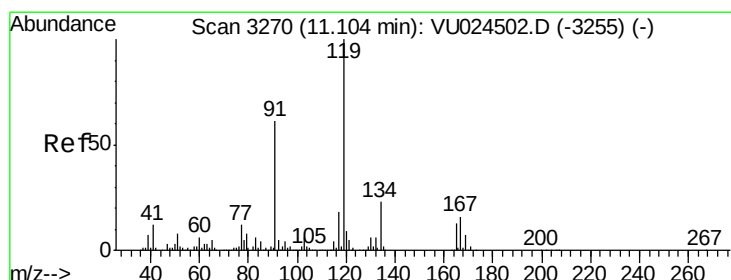
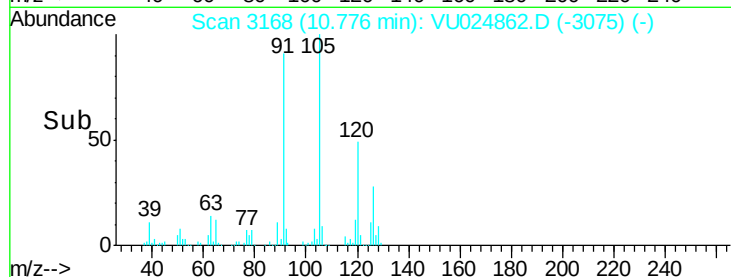
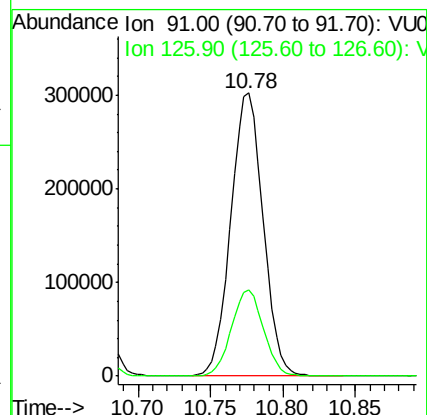
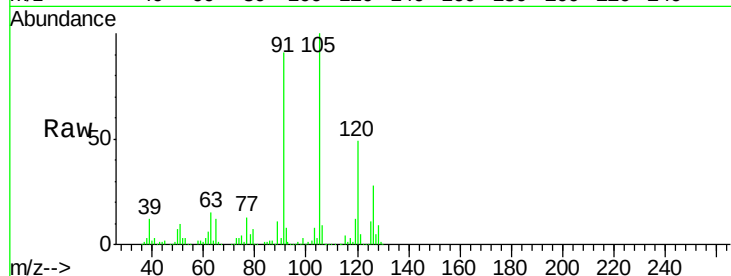
S32-0627MSD

Tot Ion: 91 Resp: 465481

Ion Ratio Lower Upper

91 100

126 30.3 14.9 44.9



#83

tert-Butylbenzene

Concen: 51.07 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

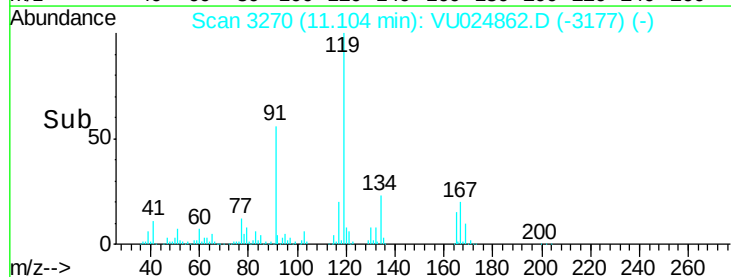
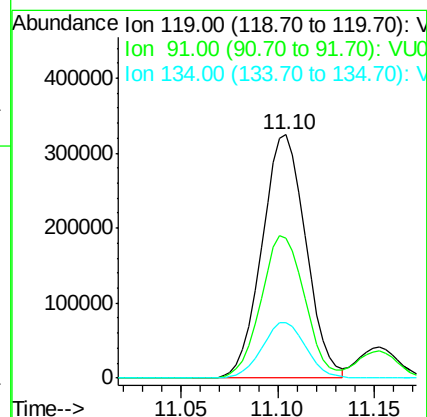
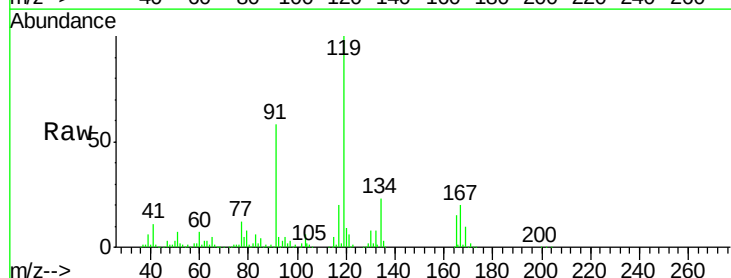
Tgt Ion: 119 Resp: 511931

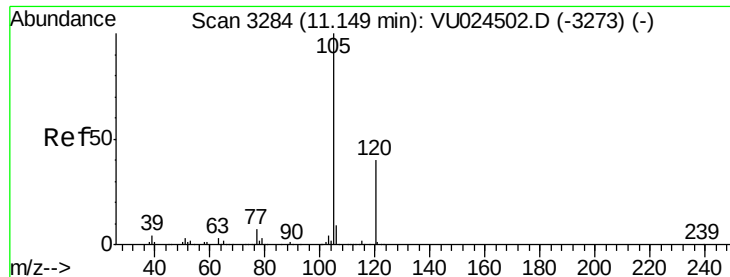
Ion Ratio Lower Upper

119 100

91 58.1 29.7 89.1

134 22.9 11.6 34.7

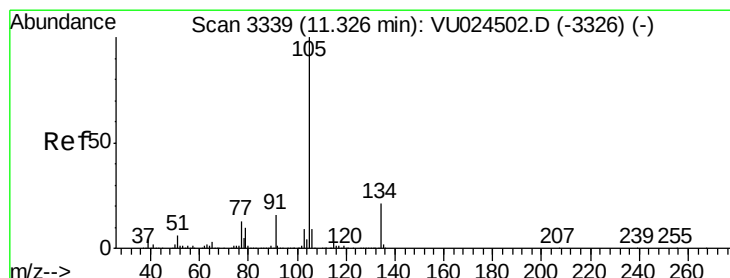
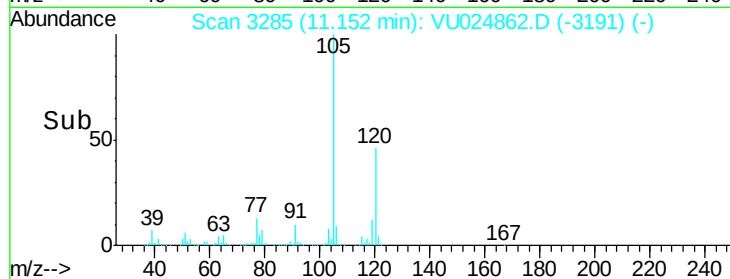
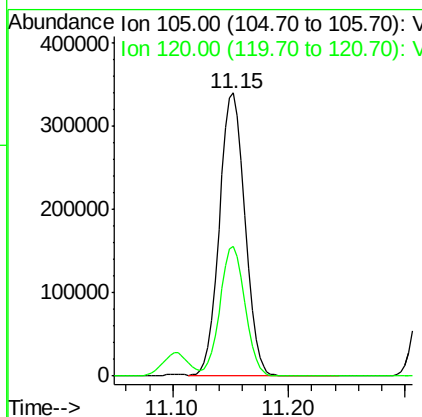
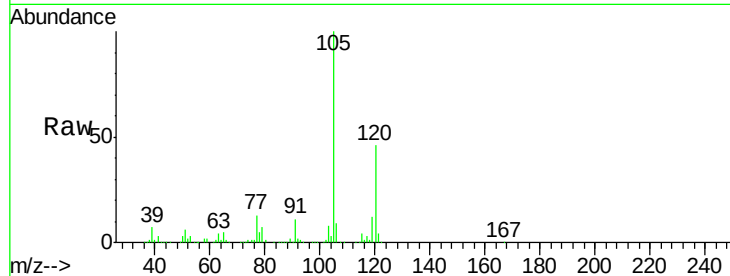




#84
 1,2,4-Trimethylbenzene
 Concen: 48.93 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

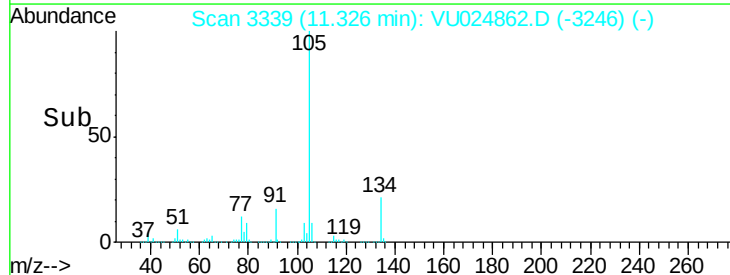
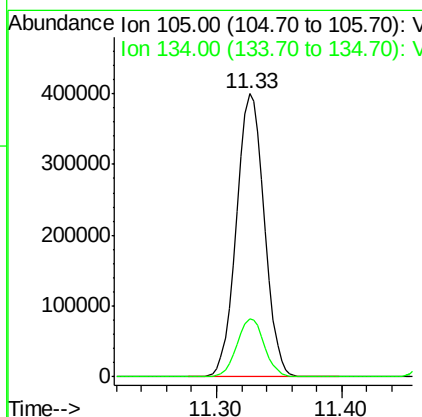
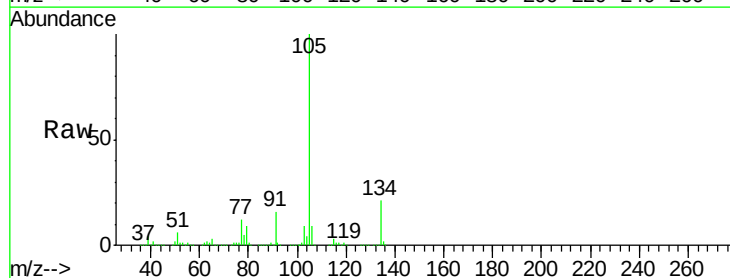
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

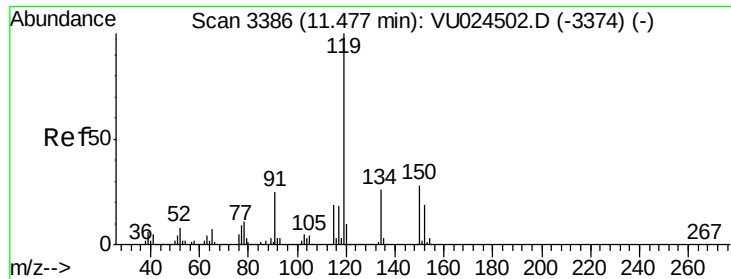
Tot Ion:105 Resp: 519609
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 49.13 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion:105 Resp: 616482
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.7 29.1

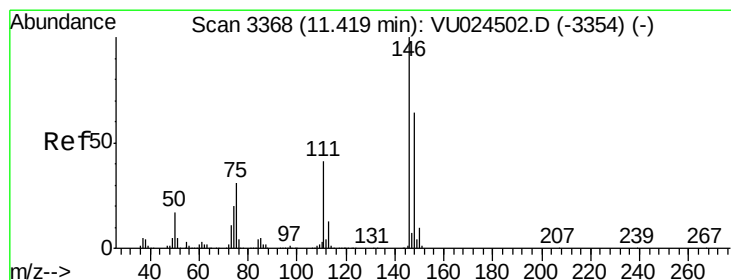
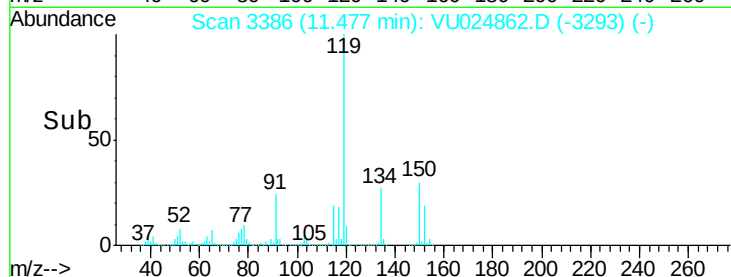
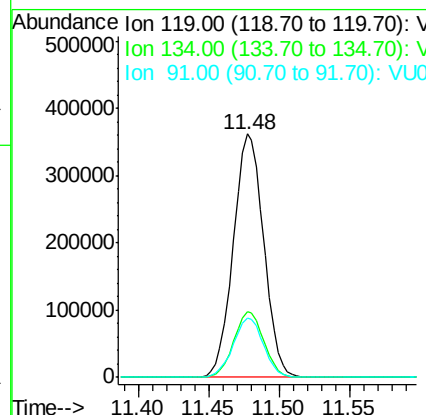
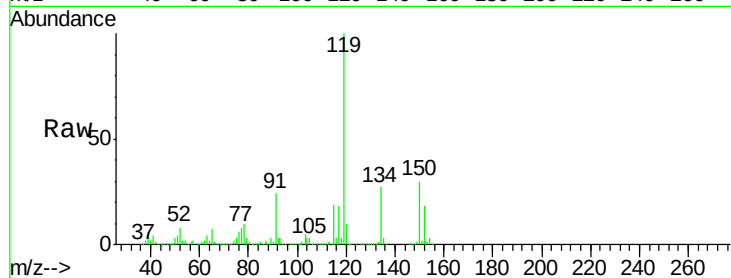




#86
 p-Isopropyltoluene
 Concen: 48.54 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

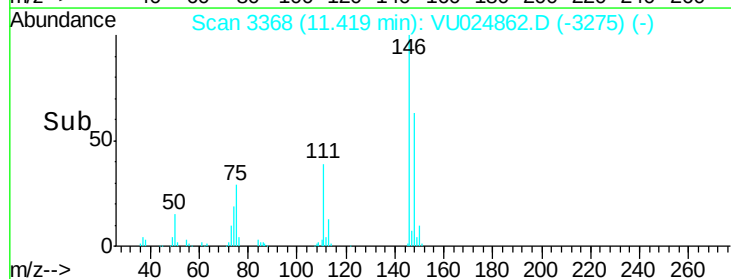
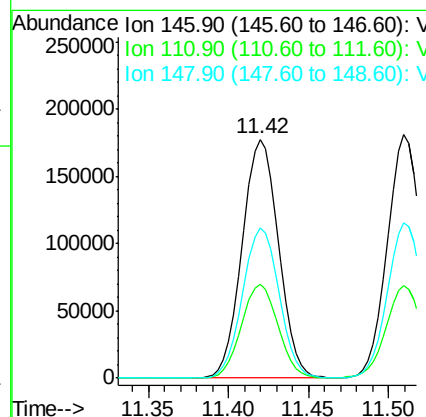
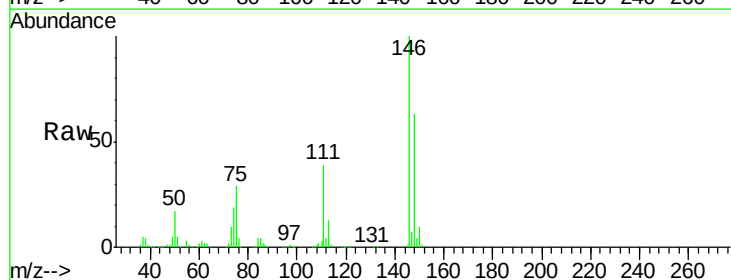
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

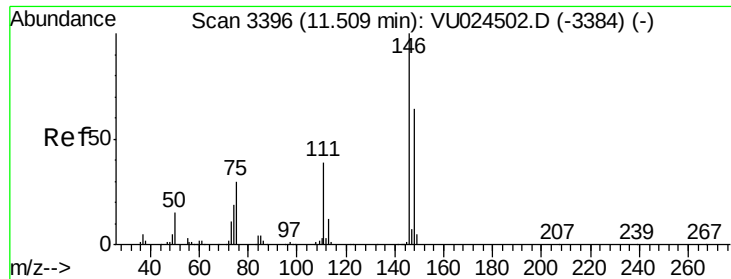
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	24.4	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 48.94 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	63.3	32.1	96.5

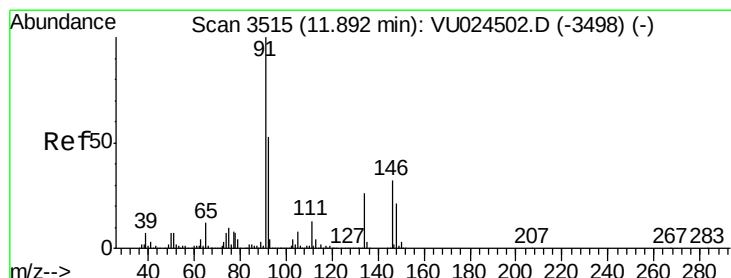
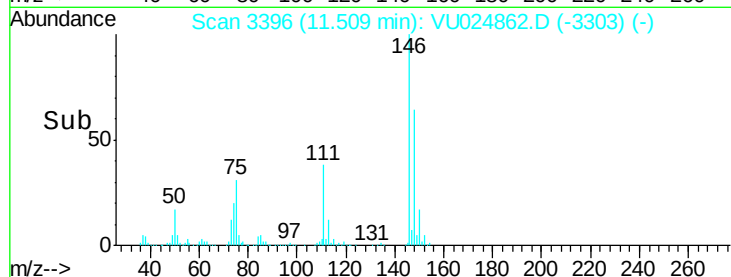
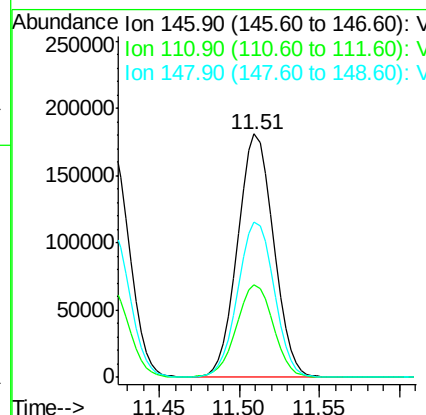
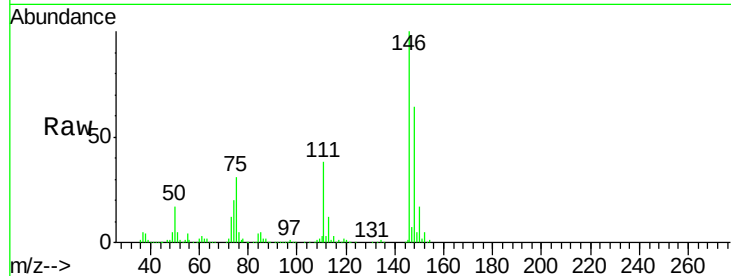




#88
 1,4-Dichlorobenzene
 Concen: 48.88 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

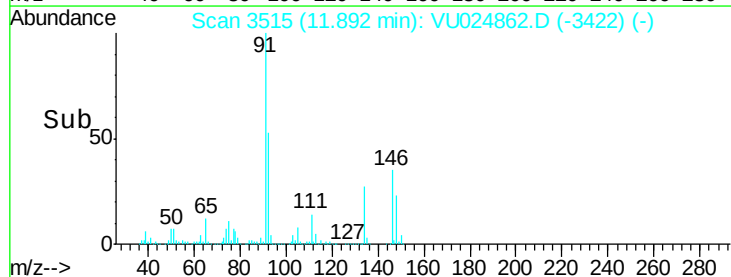
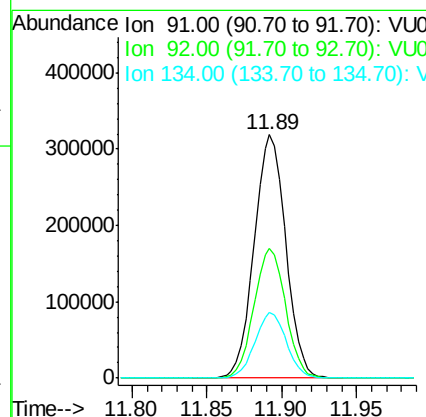
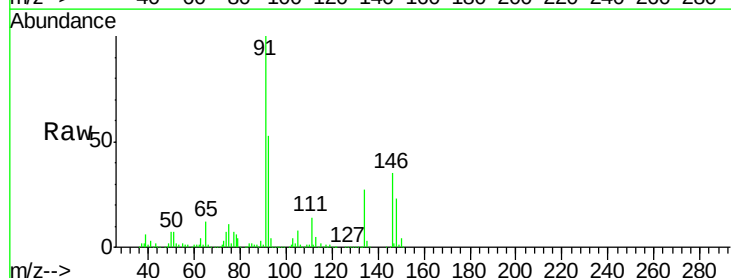
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

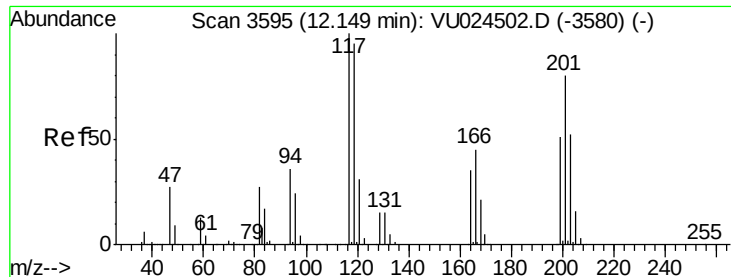
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	65.0	32.4	97.0



#89
 n-Butylbenzene
 Concen: 46.94 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU024862.D
 Acq: 23 Jun 2018 03:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	25.6	76.8
134	26.9	12.3	36.8





#90

Hexachloroethane

Concen: 43.51 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

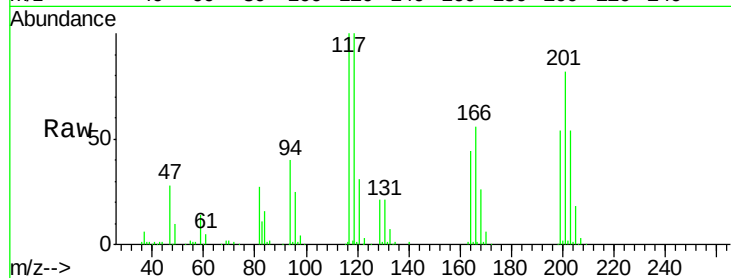
S32-0627MSD

Tot Ion:117 Resp: 95381

Ion Ratio Lower Upper

117 100

201 84.4 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.15

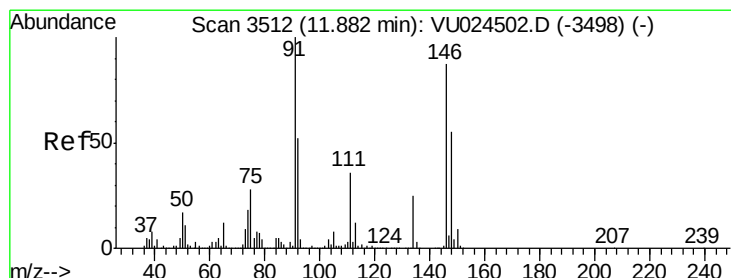
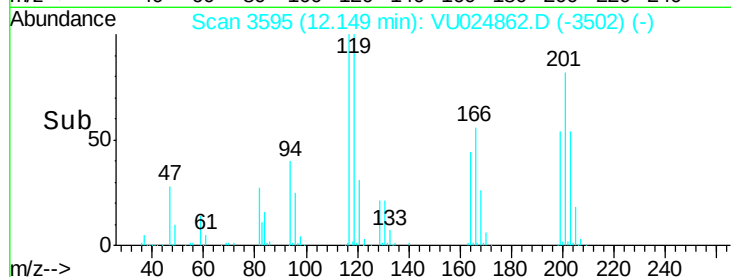
60000

40000

20000

0

Time--> 12.10 12.15 12.20



#91

1,2-Dichlorobenzene

Concen: 50.37 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

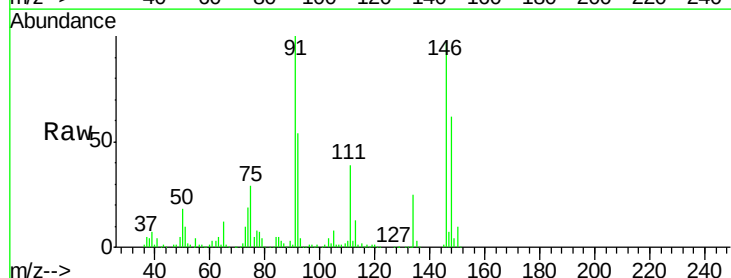
Tgt Ion:146 Resp: 283679

Ion Ratio Lower Upper

146 100

111 40.8 20.5 61.6

148 64.7 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

11.88

250000

200000

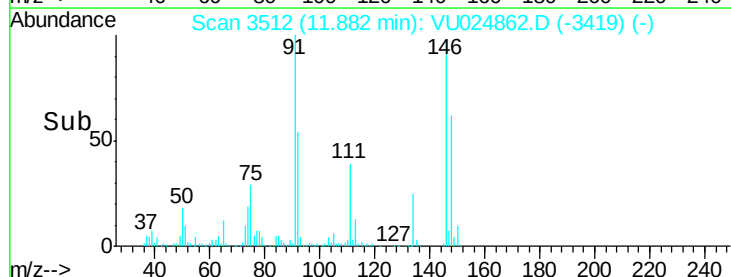
150000

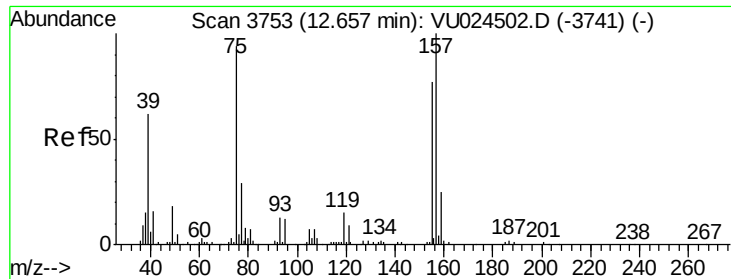
100000

50000

0

Time--> 11.80 11.90





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.72 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

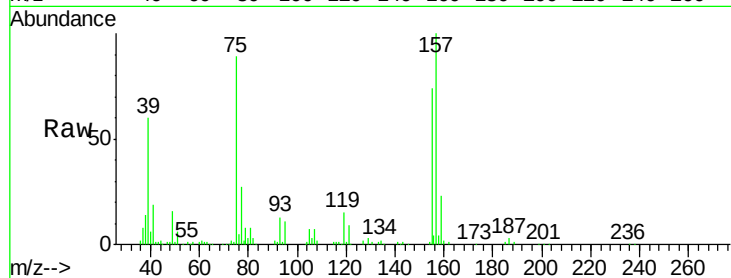
MSVOA_U

ClientSampleId :

S32-0627MSD

Tot Ion: 75 Resp: 58609

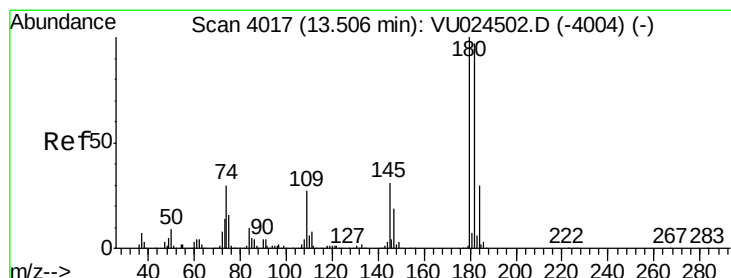
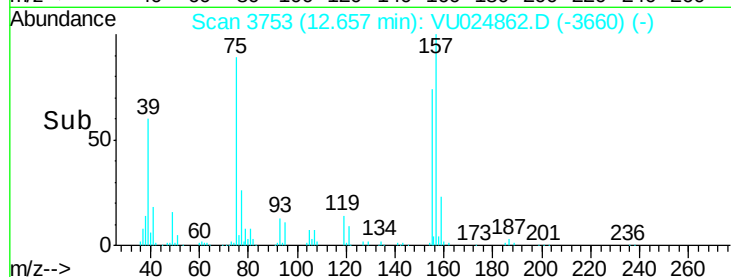
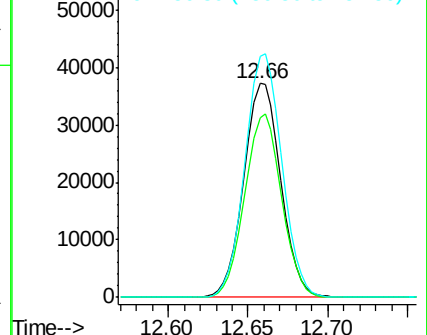
Ion	Ratio	Lower	Upper
75	100		
155	85.2	40.4	121.2
157	113.3	52.3	156.8



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: 56.35 ug/l

RT: 13.51 min Scan# 4017

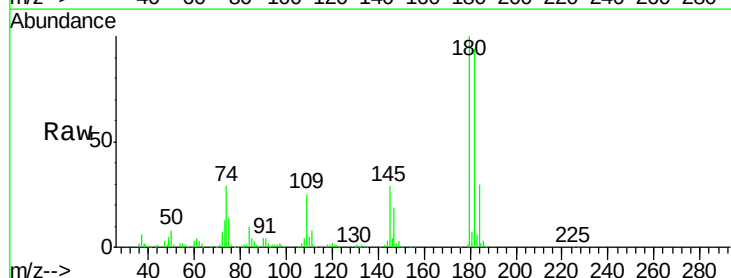
Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Tgt Ion: 180 Resp: 195989

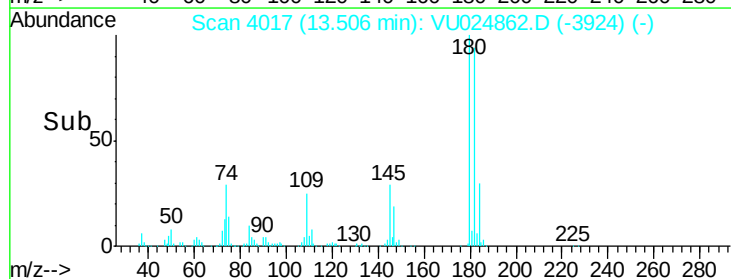
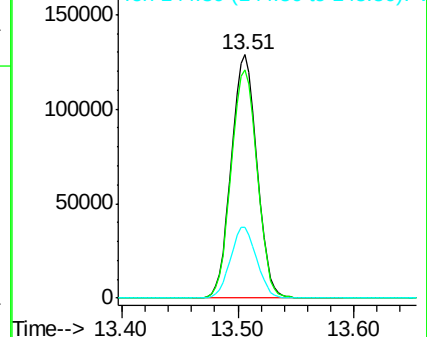
Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	29.5	14.7	44.1

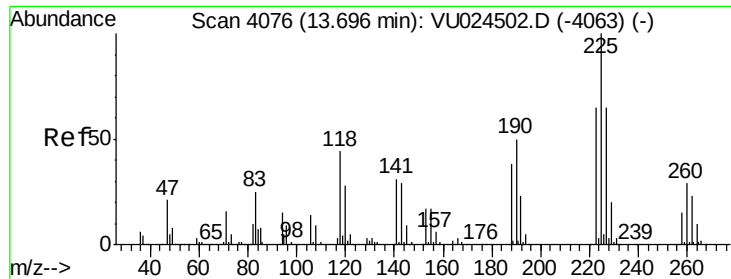


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 50.70 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

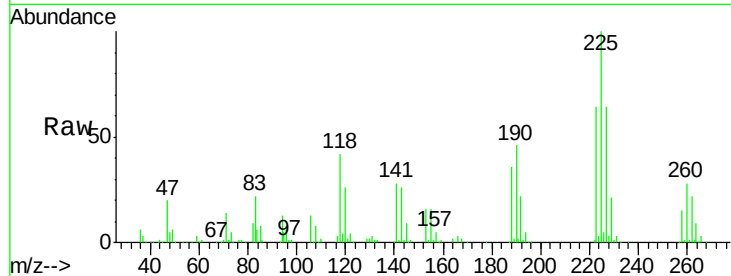
Tot Ion:225 Resp: 99259

Ion Ratio Lower Upper

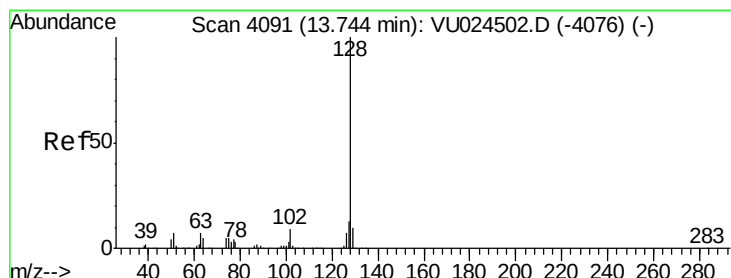
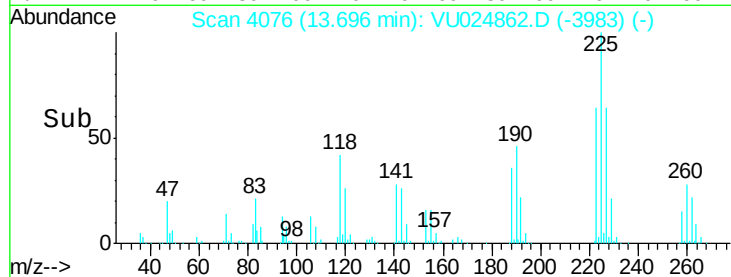
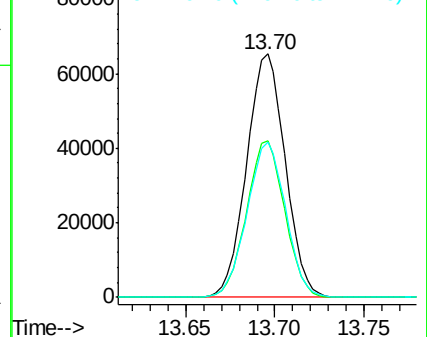
225 100

223 63.6 31.3 93.8

227 63.6 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: 59.14 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

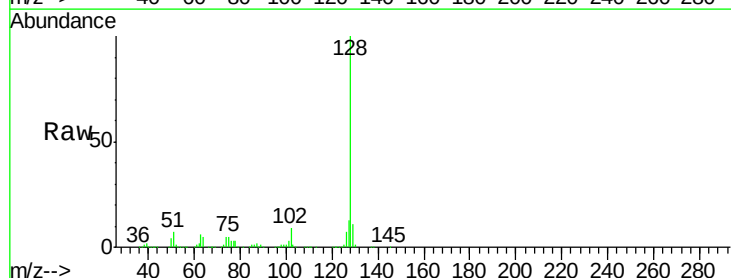
Tgt Ion:128 Resp: 682343

Ion Ratio Lower Upper

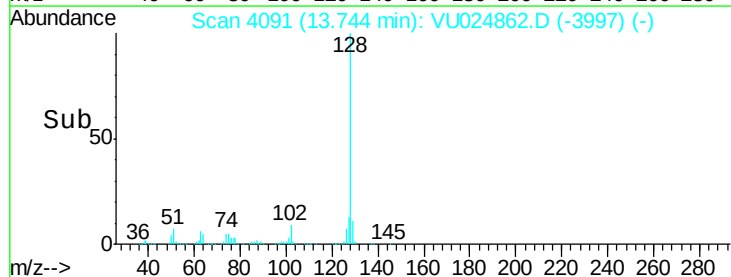
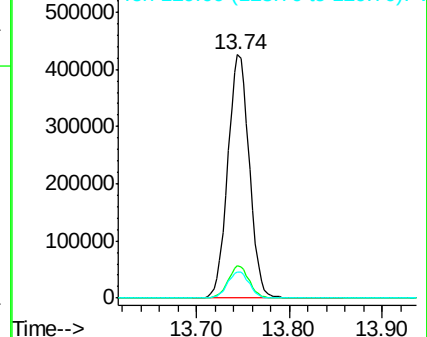
128 100

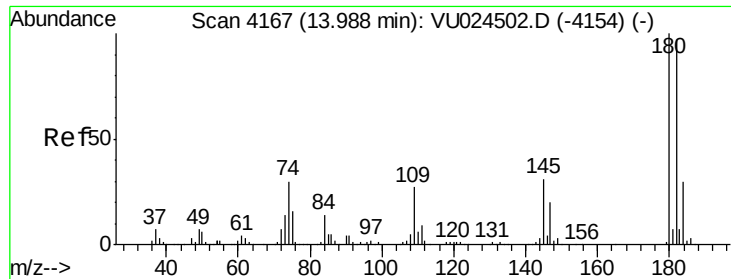
127 12.9 10.6 16.0

129 10.8 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: 59.35 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024862.D

Acq: 23 Jun 2018 03:30

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MSD

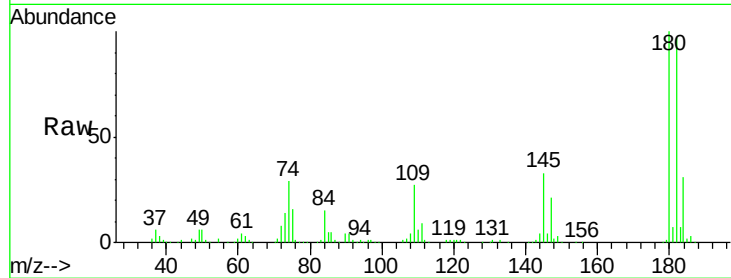
Tot Ion:180 Resp: 205699

Ion Ratio Lower Upper

180 100

182 96.8 47.9 143.7

145 31.9 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

