

Data File : VU027892.D
Acq On : 01 Nov 2018 09:22
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Quant Time: Nov 02 08:00:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 02:11:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	85252	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	85552	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	43626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	25709	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.68	69	21042	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.28	63	56458	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.19	46	98842	49.74	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.48%
24) Chloroform-d	4.65	84	55753	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.31	65	33618	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.34	84	94475	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
36) 1,2-Dichloropropane-d6	6.33	67	34343	4.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.80%
41) Toluene-d8	7.57	98	92240	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.85	79	15021	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.31	63	79852	45.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26951	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	34832	4.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	41027	4.888	ug/L 100
3) Chloromethane	1.33	50	38967	4.682	ug/L 99
5) Vinyl chloride	1.40	62	38594	4.657	ug/L 97
6) Bromomethane	1.63	94	13992	5.139	ug/L 99
8) Chloroethane	1.70	64	22570	4.647	ug/L 96
9) Trichlorofluoromethane	1.89	101	55550	5.049	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	27813	4.955	ug/L 96
12) 1,1-Dichloroethene	2.29	96	24577	4.642	ug/L 88
13) Acetone	2.32	43	66163	52.824	ug/L 91
14) Carbon disulfide	2.48	76	83481	4.414	ug/L 100
15) Methyl Acetate	2.62	43	16257	4.849	ug/L 99
16) Methylene chloride	2.70	84	28297	4.757	ug/L 96
17) Methyl tert-butyl Ether	3.01	73	77102	4.884	ug/L 97
18) trans-1,2-Dichloroethene	2.98	96	26842	4.769	ug/L 97
19) 1,1-Dichloroethane	3.45	63	56409	4.747	ug/L 96
21) 2-Butanone	4.28	43	109395	50.234	ug/L 99
22) cis-1,2-Dichloroethene	4.23	96	30090	4.625	ug/L 95

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Quant Time: Nov 02 08:00:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 02:11:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	13393	4.968	ug/L	93
25) Chloroform	4.68	83	60699	5.039	ug/L	99
27) 1,2-Dichloroethane	5.41	62	44985	5.351	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	53277	4.826	ug/L	97
30) Cyclohexane	4.99	56	56864	4.384	ug/L	97
31) Carbon tetrachloride	5.13	117	46272	4.884	ug/L	100
33) Benzene	5.39	78	122079	4.506	ug/L	100
34) Trichloroethene	6.19	95	32033	4.543	ug/L	94
35) Methylcyclohexane	6.42	83	53259	4.440	ug/L	99
37) 1,2-Dichloropropane	6.44	63	36417	4.718	ug/L	99
38) Bromodichloromethane	6.76	83	43843	4.859	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	51602	4.664	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	267253	49.013	ug/L	99
42) Toluene	7.64	91	132344	4.669	ug/L	94
44) trans-1,3-Dichloropropene	7.88	75	43873	4.623	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	21935	4.620	ug/L	96
47) Tetrachloroethene	8.23	164	25565	4.719	ug/L	96
48) 2-Hexanone	8.37	43	194493	49.478	ug/L	100
49) Dibromochloromethane	8.48	129	27236	4.750	ug/L	98
50) 1,2-Dibromoethane	8.59	107	21612	4.758	ug/L	99
51) Chlorobenzene	9.12	112	80306	4.567	ug/L	99
52) Ethylbenzene	9.25	91	149594	4.629	ug/L	96
53) m,p-xylene	9.38	106	53066	4.528	ug/L	94
54) o-xylene	9.78	106	51442	4.469	ug/L	99
55) Styrene	9.79	104	90617	4.697	ug/L	98
56) Isopropylbenzene	10.17	105	145972	4.655	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	28658	4.629	ug/L	91
59) 1,2,3-Trichloropropane	10.49	75	22501	4.810	ug/L	100
61) Bromoform	9.96	173	14964	4.663	ug/L	94
62) 1,3-Dichlorobenzene	11.42	146	65420	4.662	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	66426	4.736	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	62300	4.702	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	5327	5.131	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	54363	4.814	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	47449	4.941	ug/L	96
69) Naphthalene	13.74	128	74037	4.958	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	43121	4.930	ug/L	98

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

Data File : VU027892.D

Acq On : 01 Nov 2018 09:22

Operator : MD/SY

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

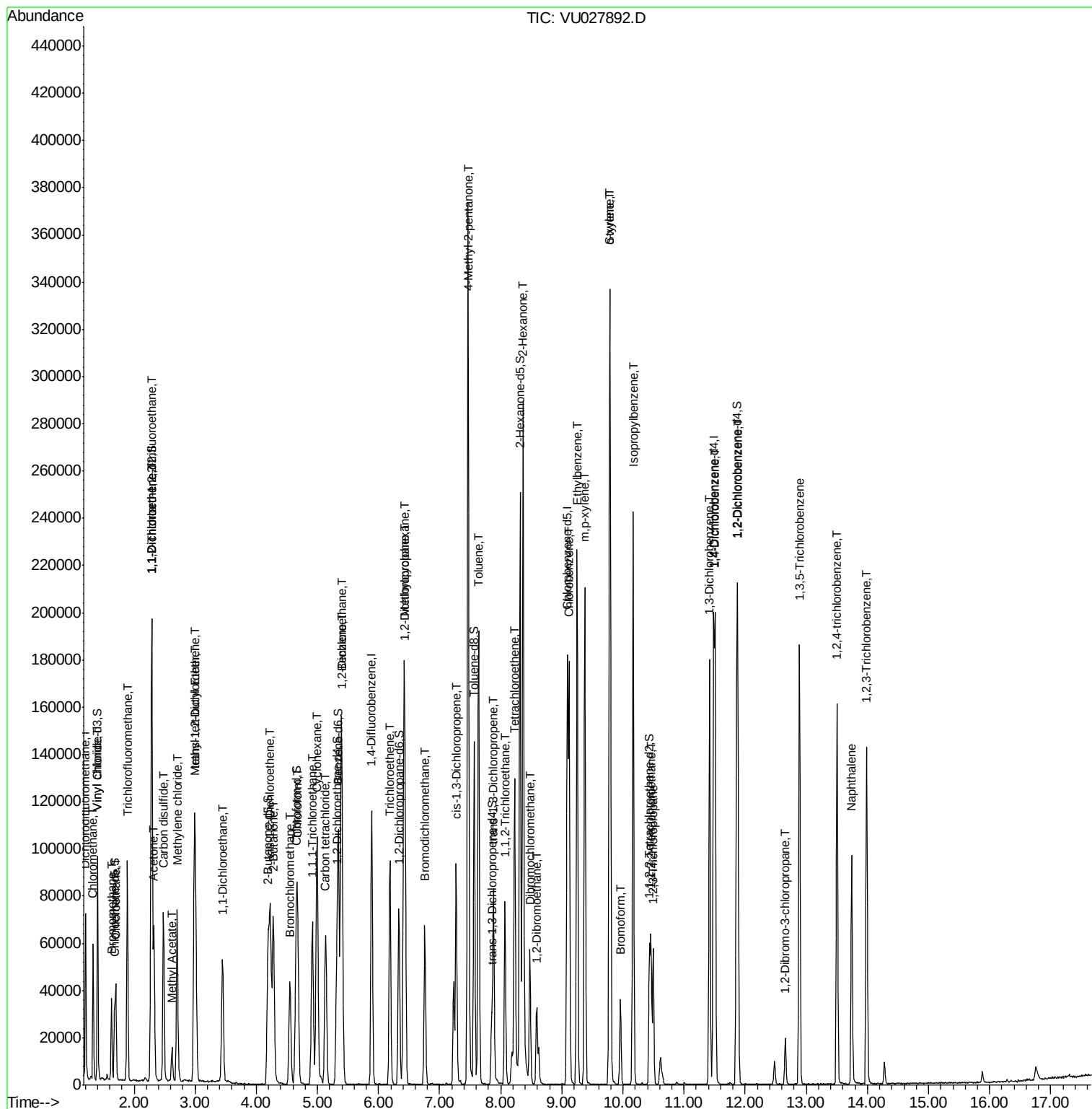
Quant Time: Nov 02 08:00:42 2018

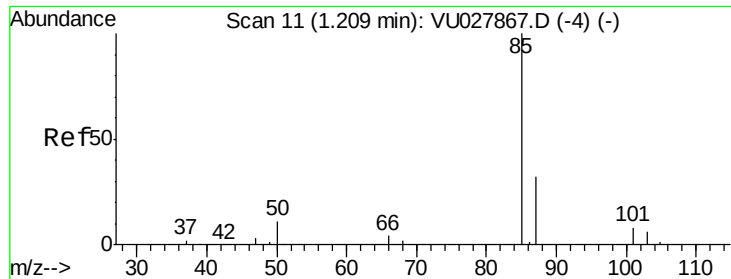
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR103018WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Oct 31 02:11:32 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.888 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

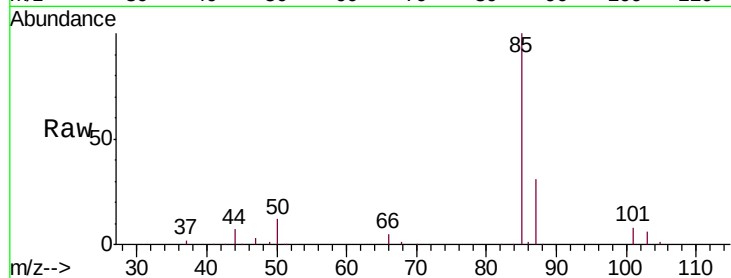
VSTD00550

Tgt Ion: 85 Resp: 41027

Ion Ratio Lower Upper

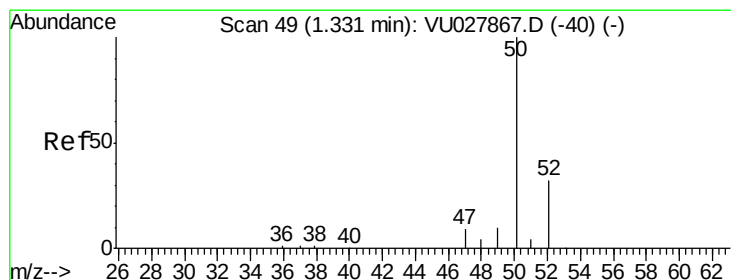
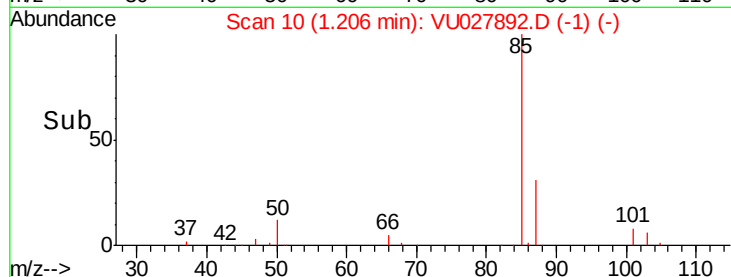
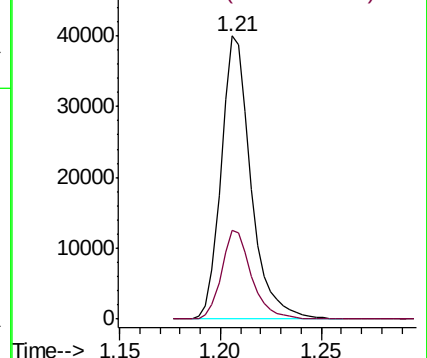
85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.682 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027892.D

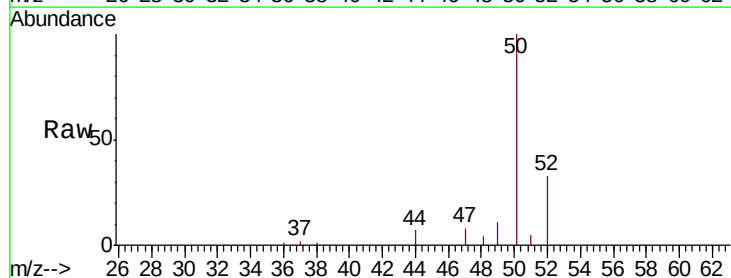
Acq: 01 Nov 2018 09:22

Tgt Ion: 50 Resp: 38967

Ion Ratio Lower Upper

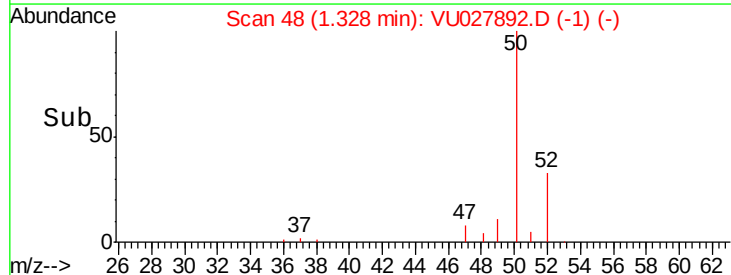
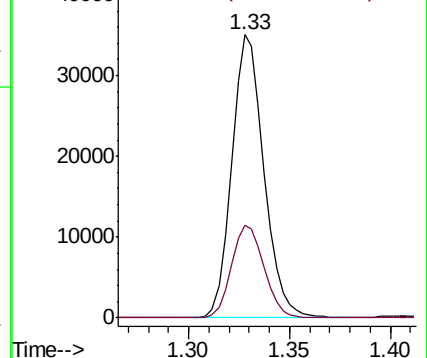
50 100

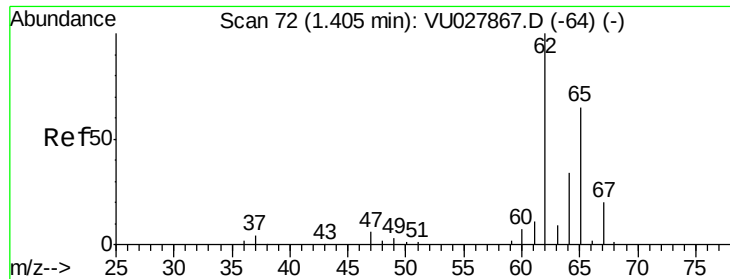
52 32.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.657 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampled :

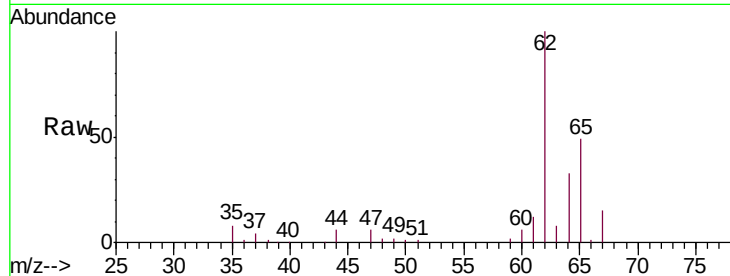
VSTD00550

Tgt Ion: 62 Resp: 38594

Ion Ratio Lower Upper

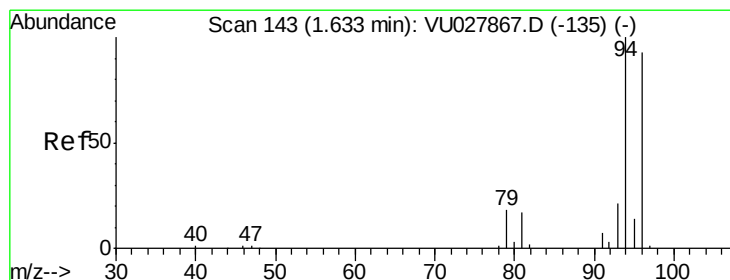
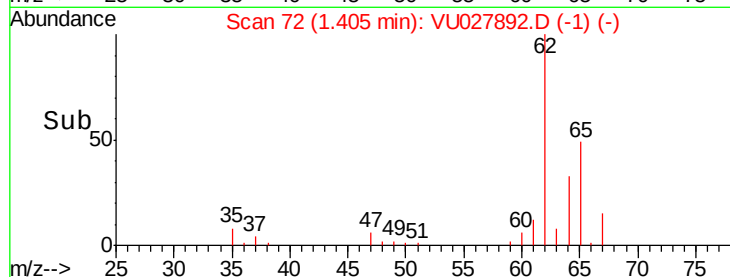
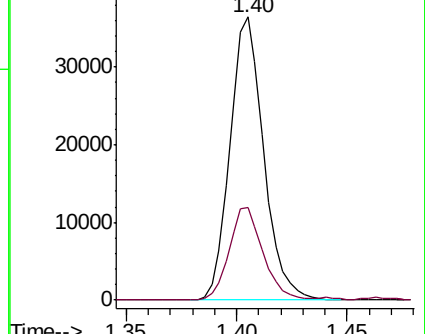
62 100

64 32.8 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.139 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU027892.D

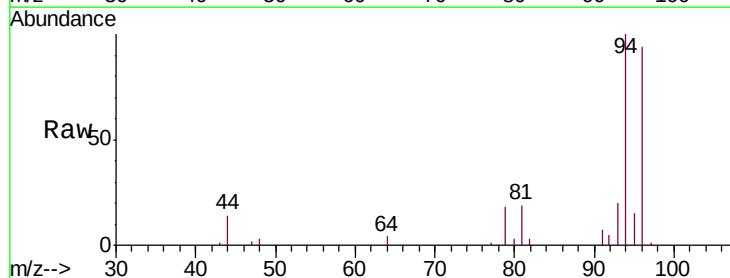
Acq: 01 Nov 2018 09:22

Tgt Ion: 94 Resp: 13992

Ion Ratio Lower Upper

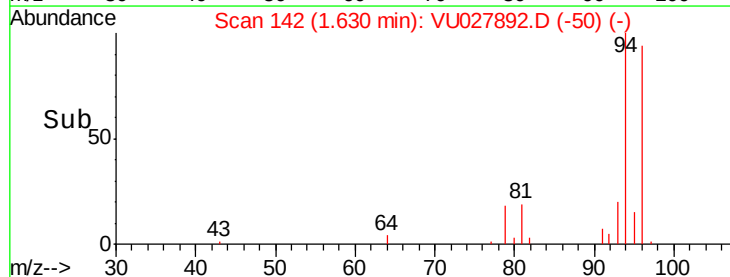
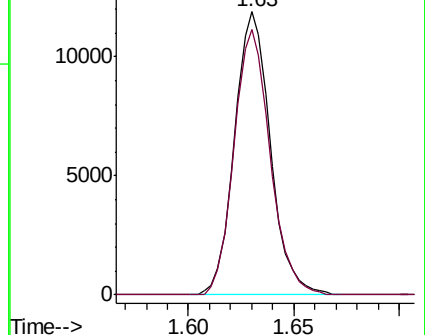
94 100

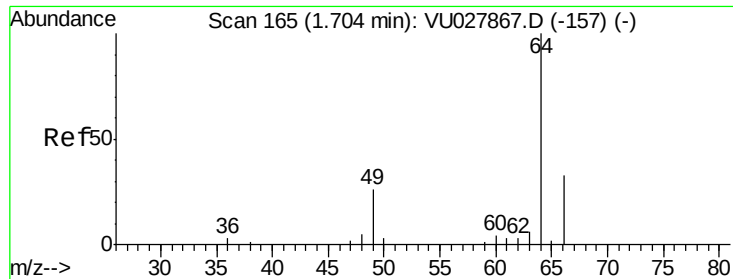
96 93.7 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

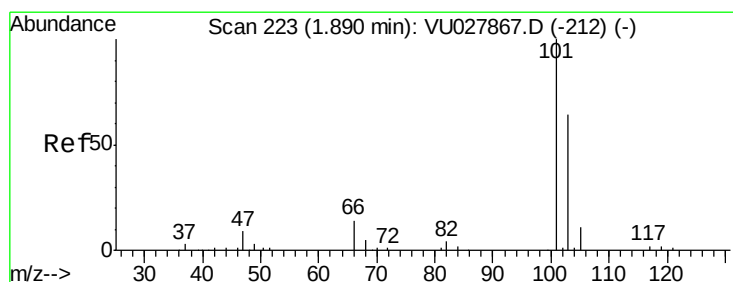
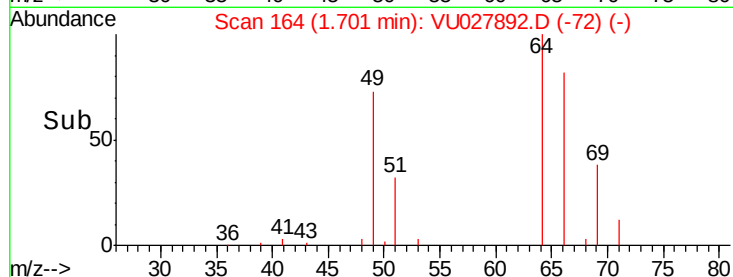
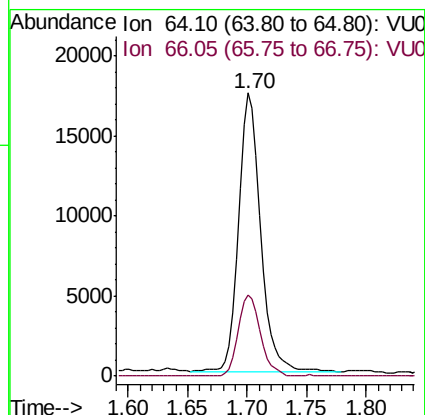
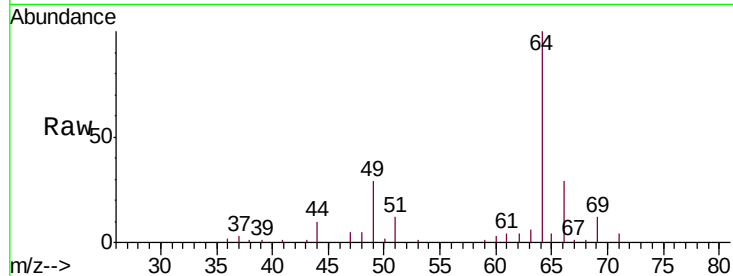




#8
Chloroethane
Concen: 4.647 ug/L
RT: 1.70 min Scan# 164
Delta R.T. -0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

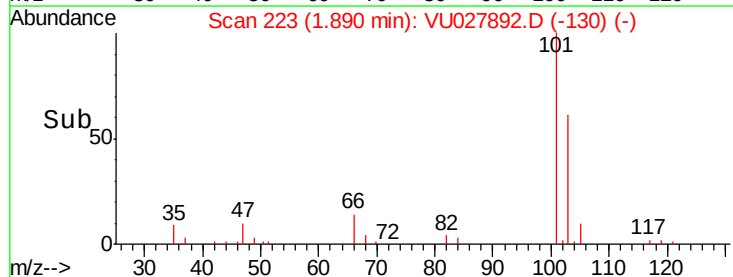
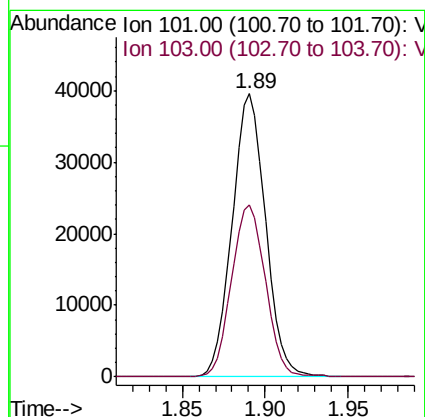
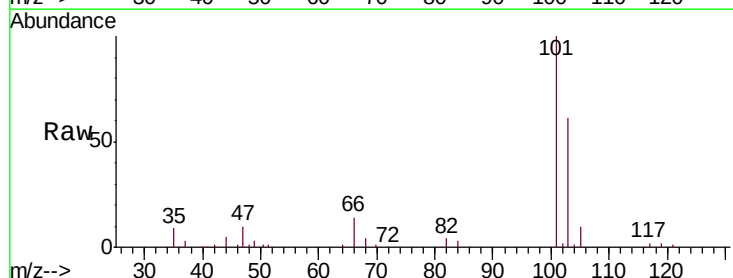
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

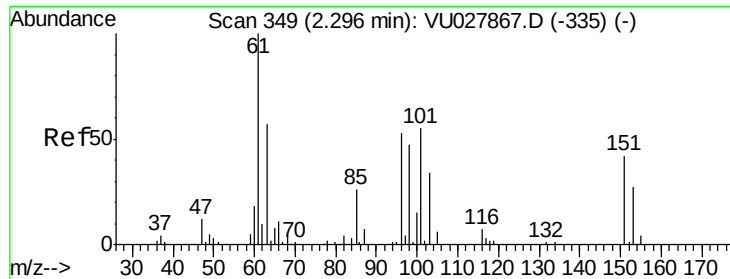
Tgt Ion: 64 Resp: 22570
Ion Ratio Lower Upper
64 100
66 28.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.049 ug/L
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Tgt Ion: 101 Resp: 55550
Ion Ratio Lower Upper
101 100
103 61.4 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.955 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

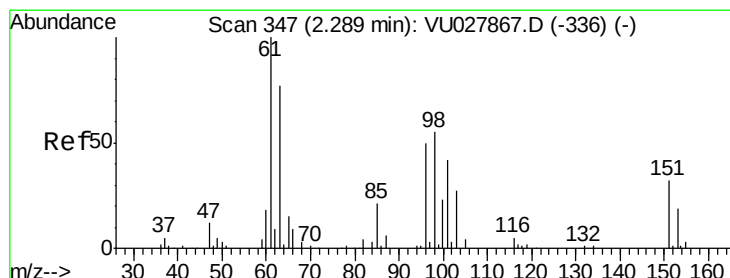
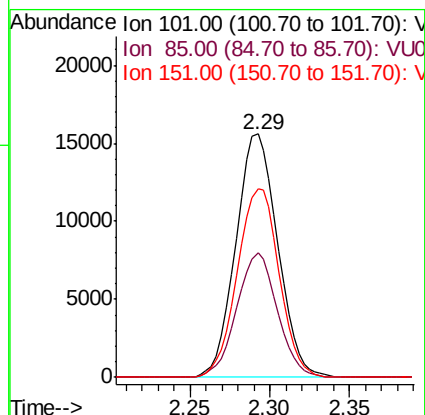
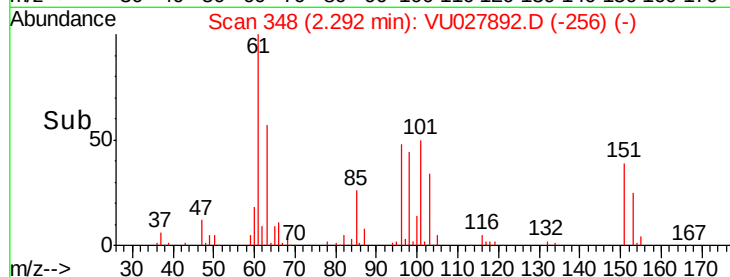
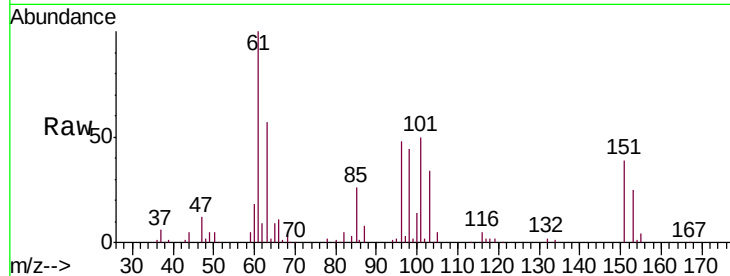
Tgt Ion:101 Resp: 27813

Ion Ratio Lower Upper

101 100

85 49.5 37.1 55.7

151 77.6 59.9 89.9



#12

1,1-Dichloroethene

Concen: 4.642 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

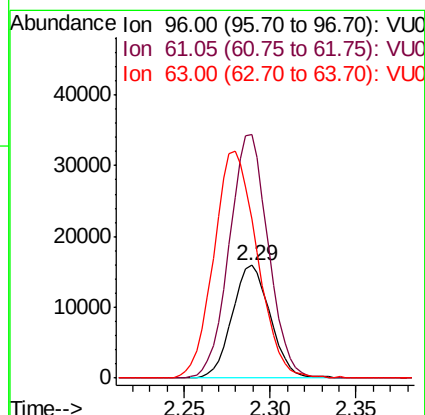
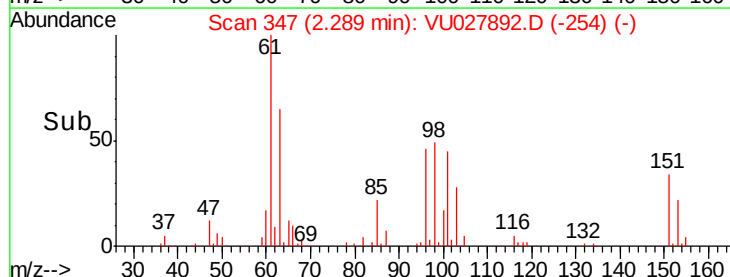
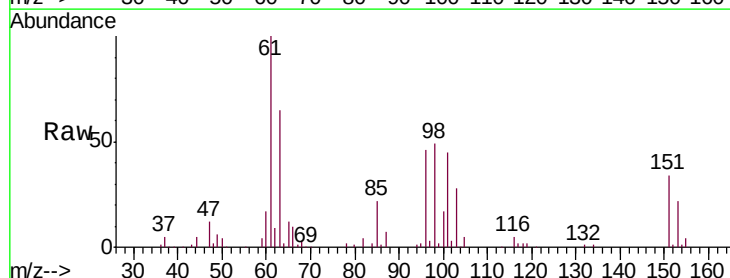
Tgt Ion: 96 Resp: 24577

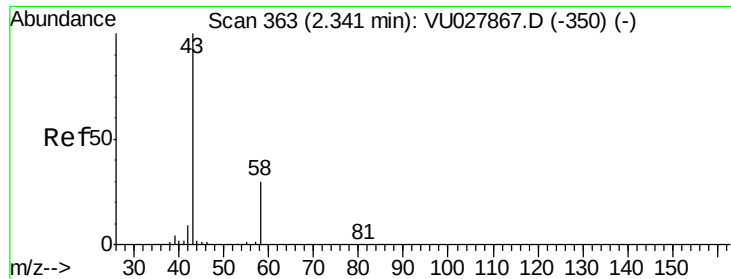
Ion Ratio Lower Upper

96 100

61 215.6 141.1 262.1

63 141.1 113.0 209.9





#13

Acetone

Concen: 52.824 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.02 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

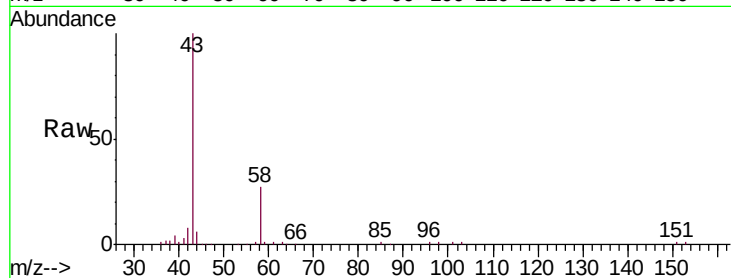
VSTD00550

Tgt Ion: 43 Resp: 66163

Ion Ratio Lower Upper

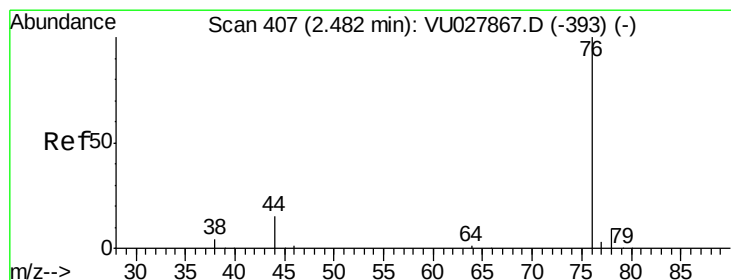
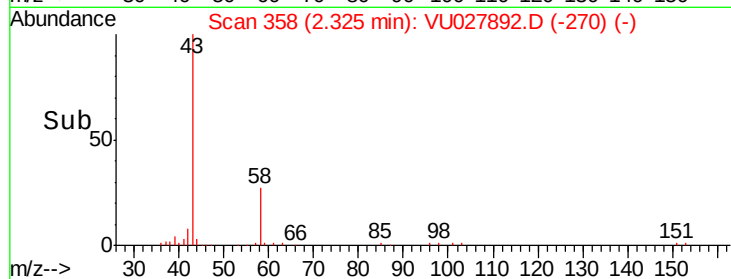
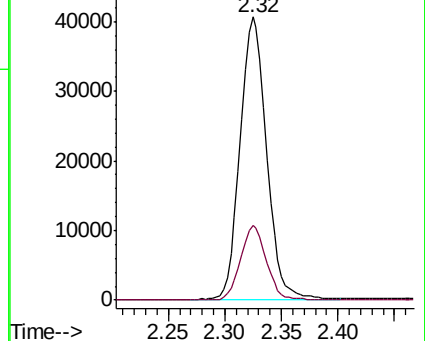
43 100

58 25.9 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.414 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027892.D

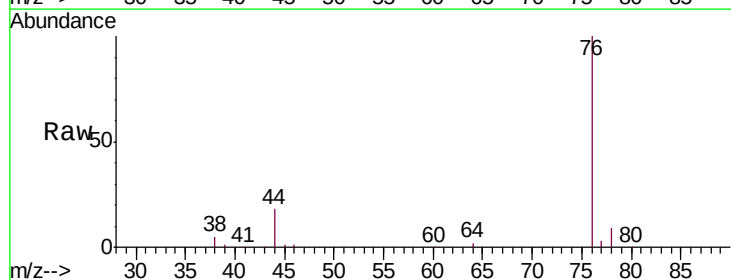
Acq: 01 Nov 2018 09:22

Tgt Ion: 76 Resp: 83481

Ion Ratio Lower Upper

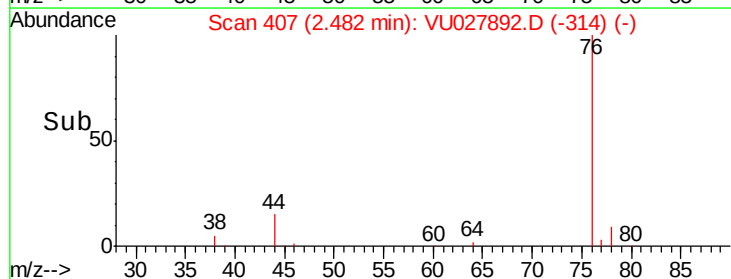
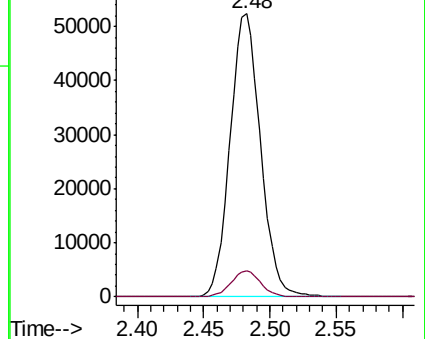
76 100

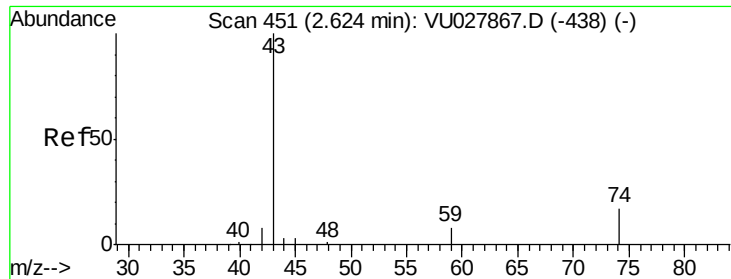
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

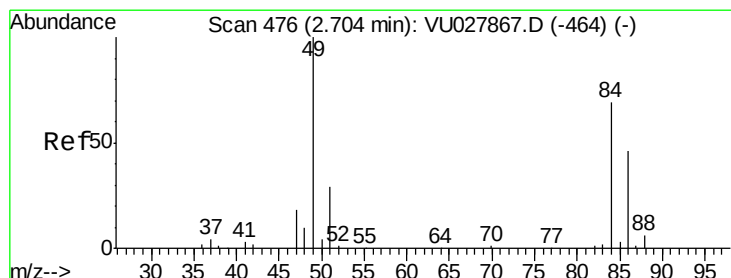
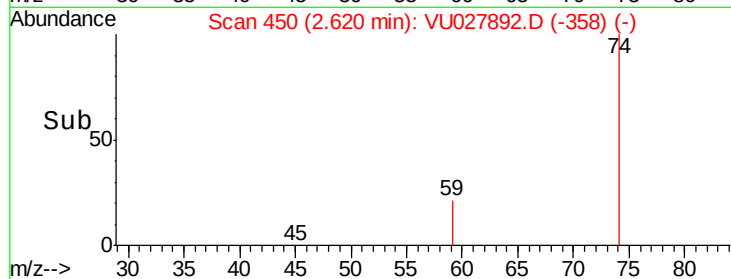
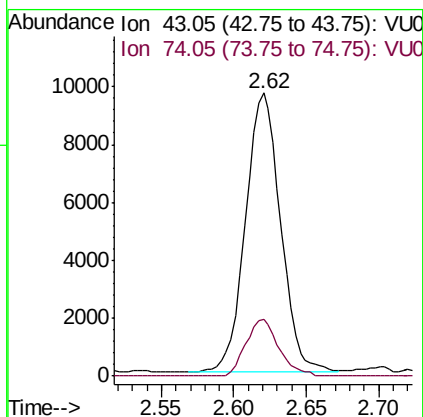
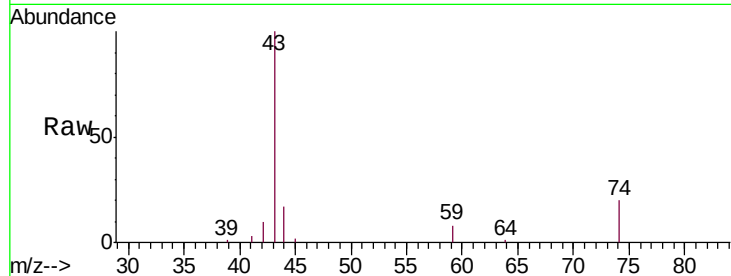




#15
Methyl Acetate
Concen: 4.849 ug/L
RT: 2.62 min Scan# 450
Delta R.T. -0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

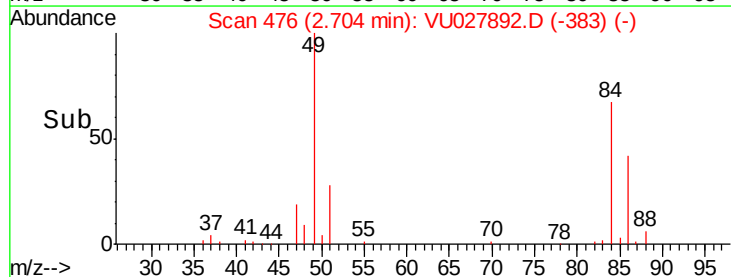
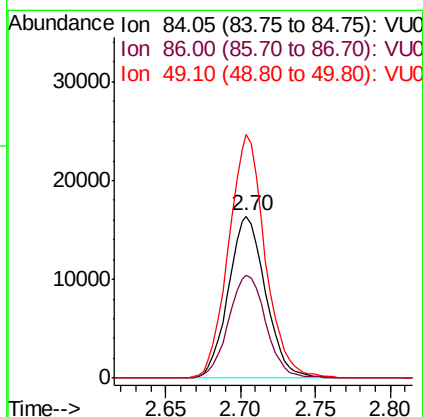
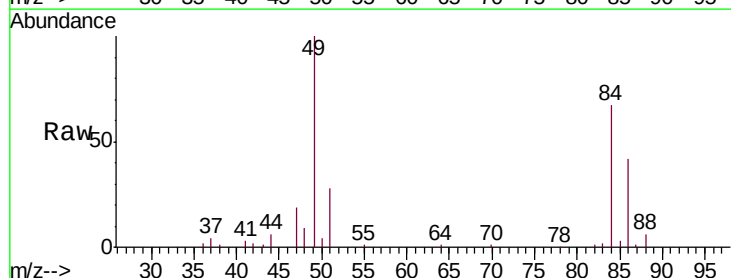
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

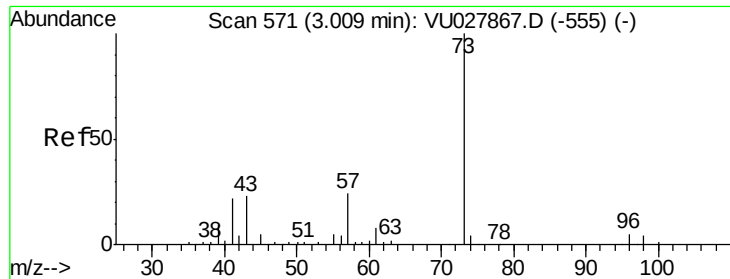
Tgt Ion: 43 Resp: 16257
Ion Ratio Lower Upper
43 100
74 19.1 14.9 22.3



#16
Methylene chloride
Concen: 4.757 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Tgt Ion: 84 Resp: 28297
Ion Ratio Lower Upper
84 100
86 63.6 46.7 86.7
49 150.1 101.3 188.1

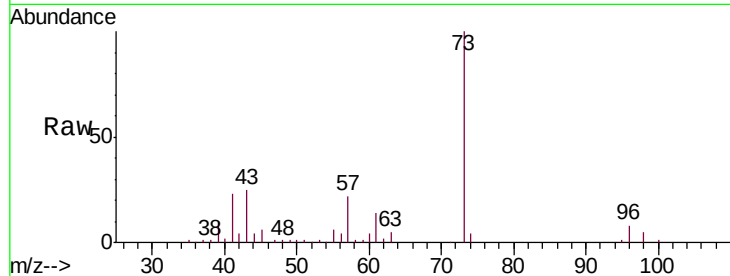




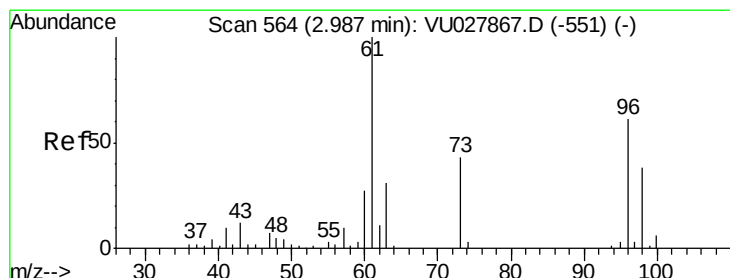
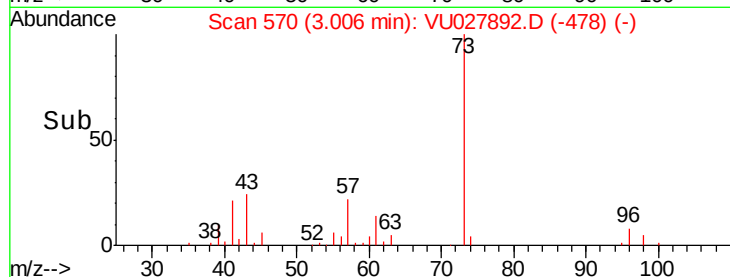
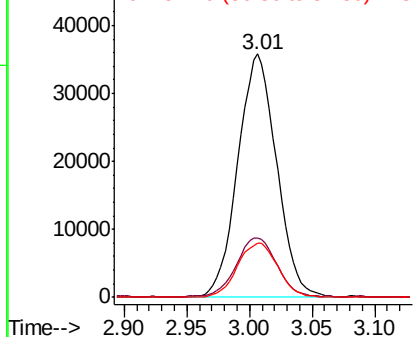
#17
Methyl tert-butyl Ether
Concen: 4.884 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Tgt Ion: 73 Resp: 77102
Ion Ratio Lower Upper
73 100
43 26.0 18.7 28.1
57 23.3 18.7 28.1

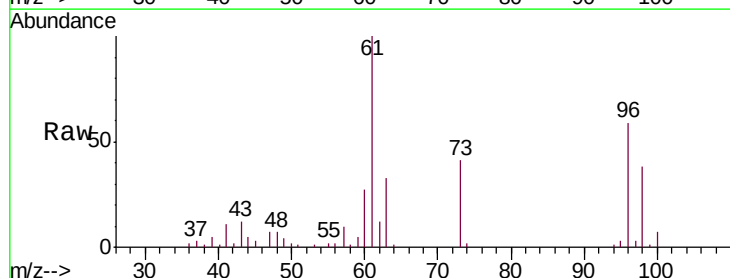


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

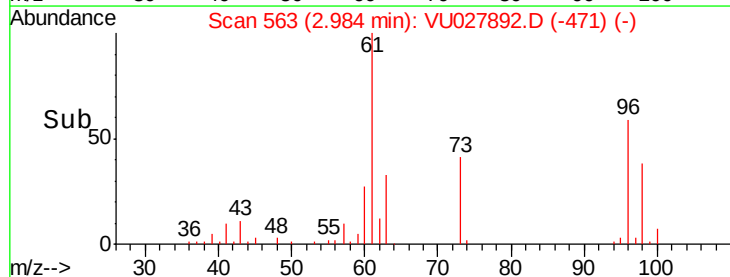
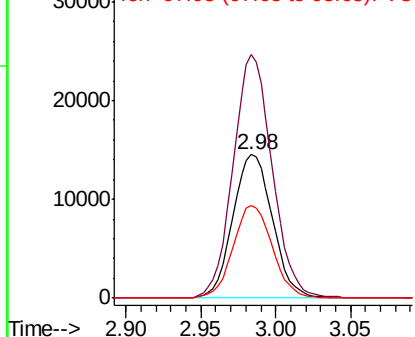


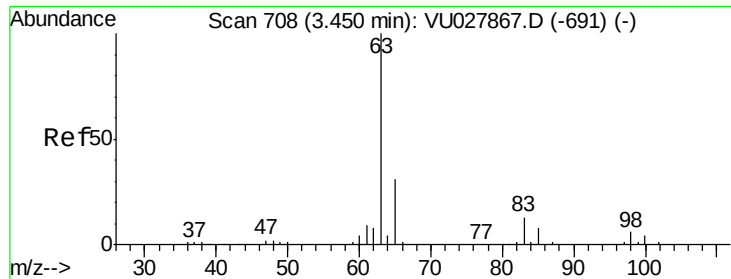
#18
trans-1,2-Dichloroethene
Concen: 4.769 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Tgt Ion: 96 Resp: 26842
Ion Ratio Lower Upper
96 100
61 169.7 115.2 214.0
98 64.7 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

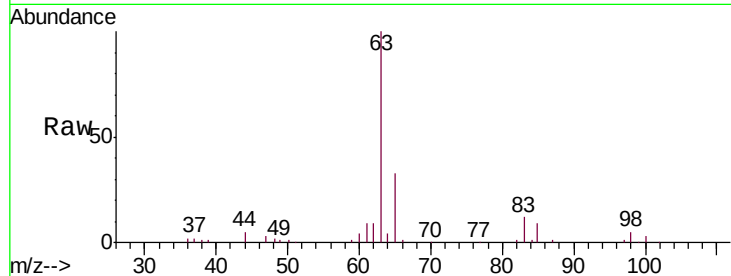




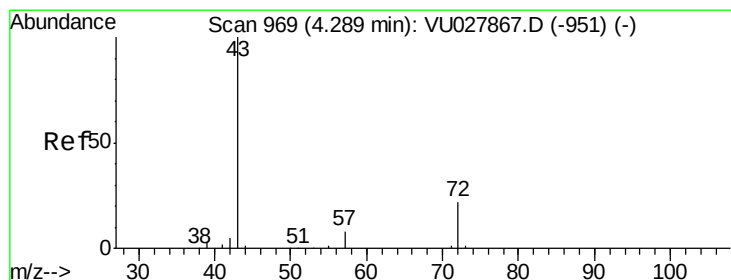
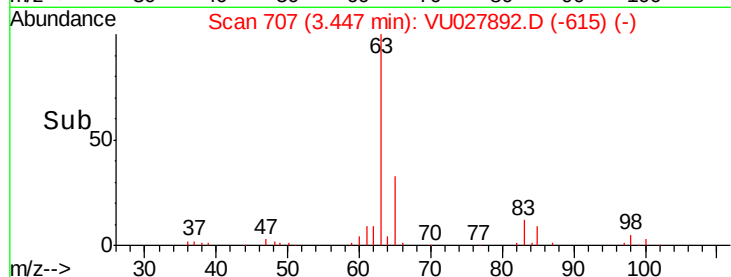
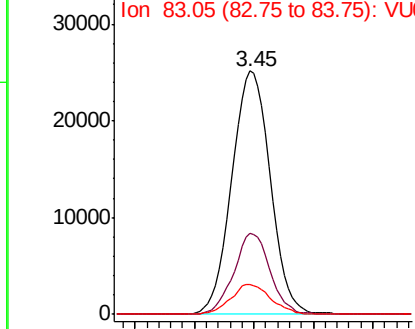
#19
 1,1-Dichloroethane
 Concen: 4.747 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion: 63 Resp: 56409
 Ion Ratio Lower Upper
 63 100
 65 33.1 21.8 40.4
 83 12.0 9.4 17.4

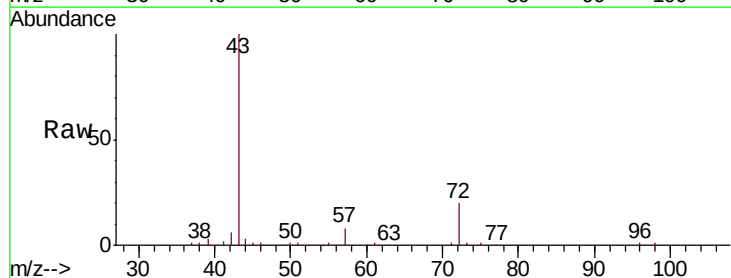


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

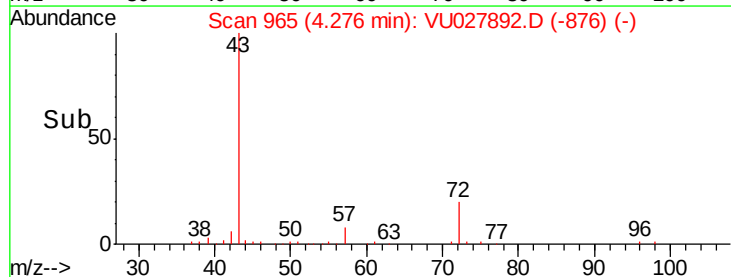
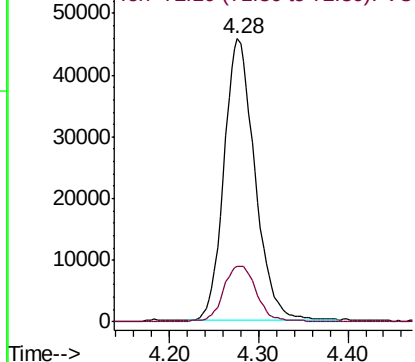


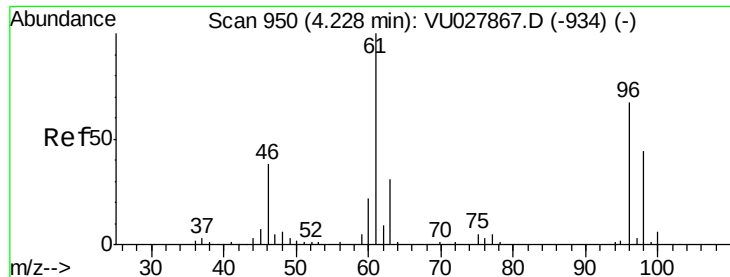
#21
 2-Butanone
 Concen: 50.234 ug/L
 RT: 4.28 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Tgt Ion: 43 Resp: 109395
 Ion Ratio Lower Upper
 43 100
 72 21.5 10.9 32.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.625 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

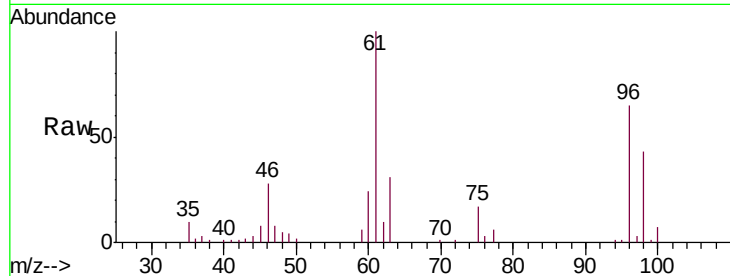
Tgt Ion: 96 Resp: 30090

Ion Ratio Lower Upper

96 100

61 154.8 104.0 193.2

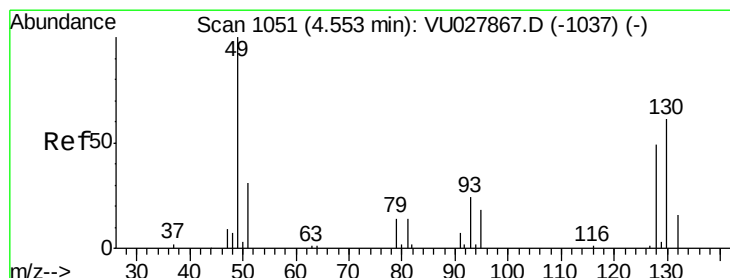
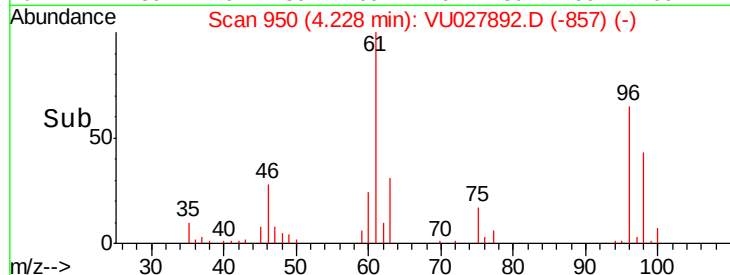
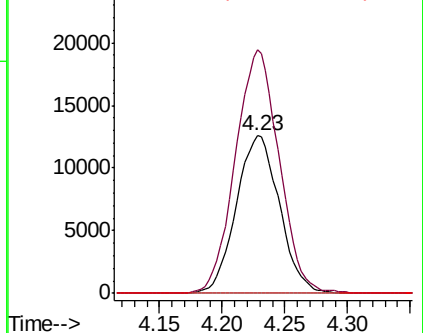
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.968 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Tgt Ion: 128 Resp: 13393

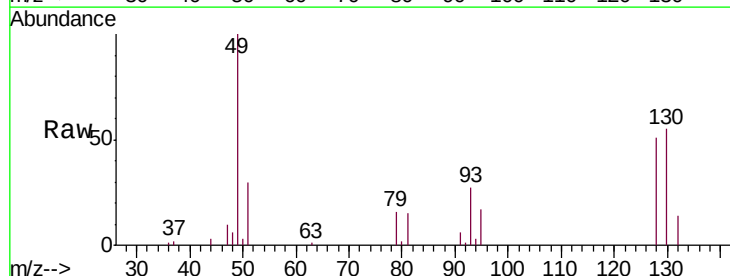
Ion Ratio Lower Upper

128 100

49 196.5 142.0 263.8

130 109.0 86.1 159.9

51 59.5 50.4 75.6

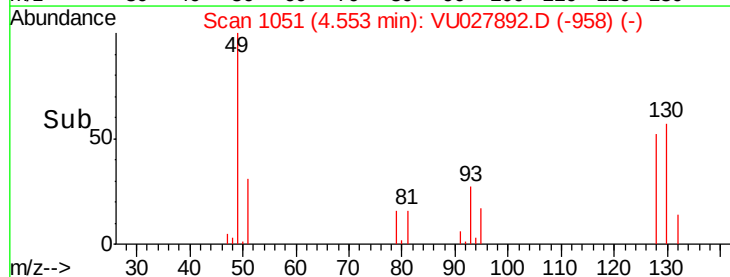
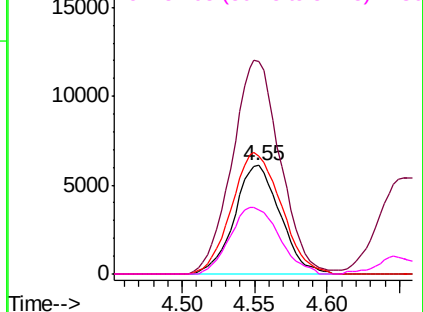


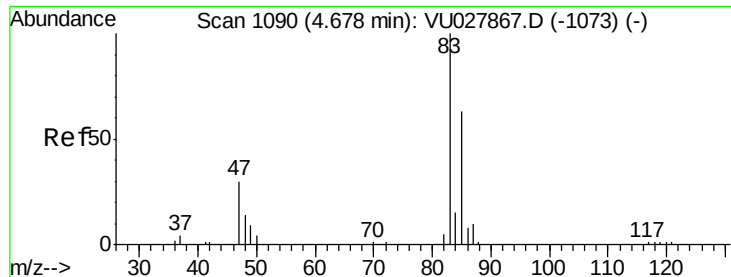
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

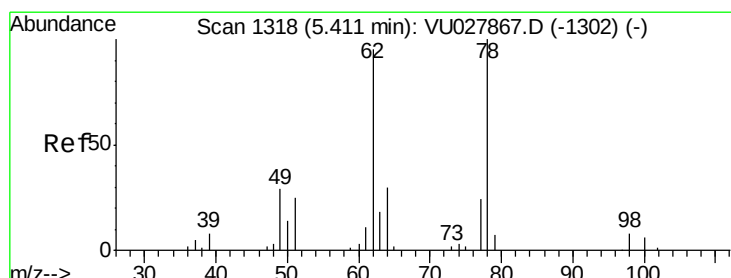
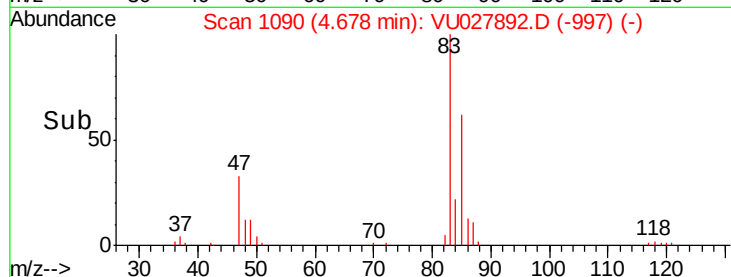
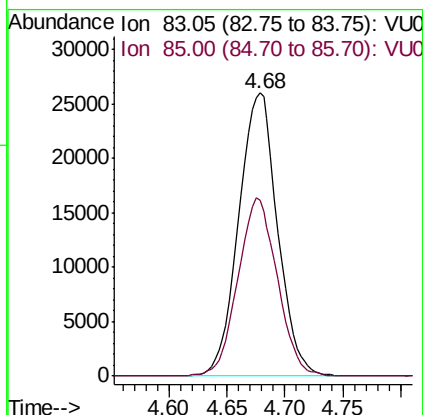
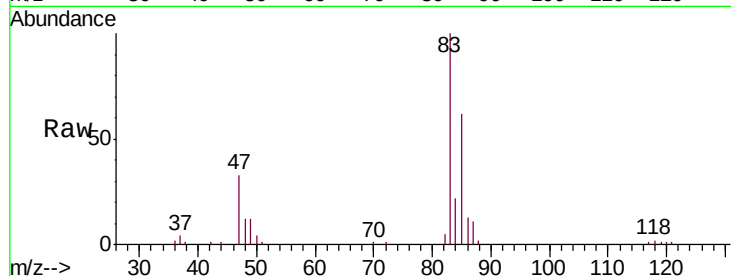




#25
Chloroform
Concen: 5.039 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

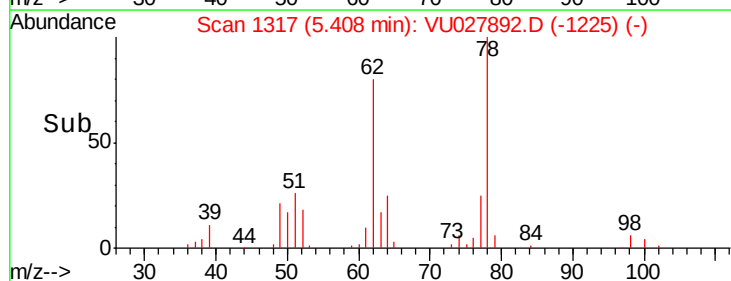
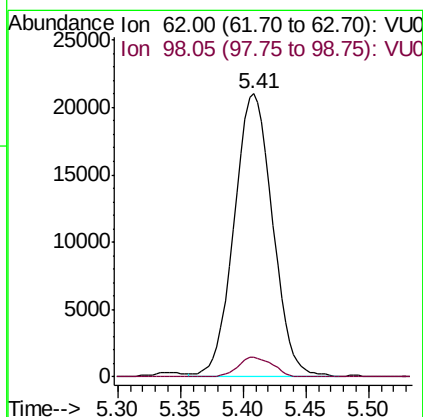
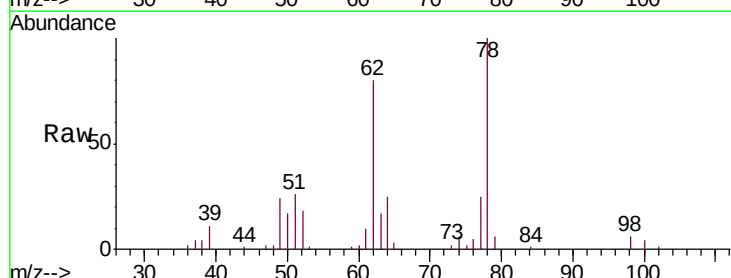
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

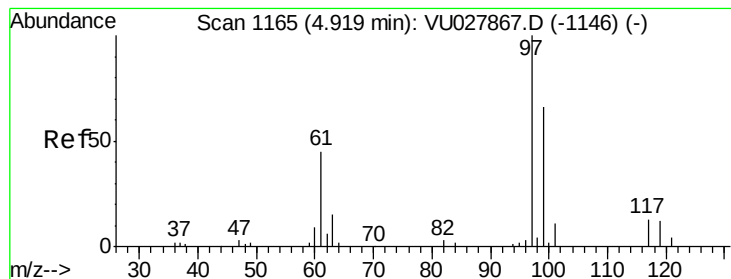
Tgt Ion: 83 Resp: 60699
Ion Ratio Lower Upper
83 100
85 62.2 44.0 81.8



#27
1,2-Dichloroethane
Concen: 5.351 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Tgt Ion: 62 Resp: 44985
Ion Ratio Lower Upper
62 100
98 7.0 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 4.826 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. -0.01 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

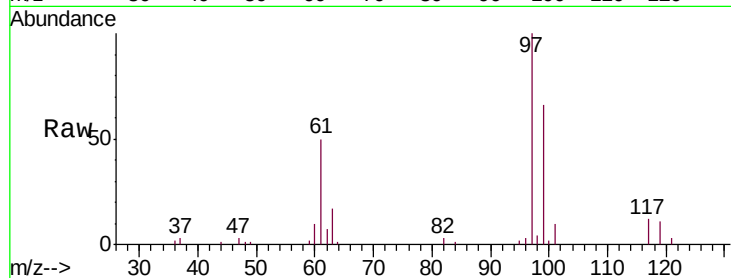
Tgt Ion: 97 Resp: 53277

Ion Ratio Lower Upper

97 100

99 65.2 50.6 76.0

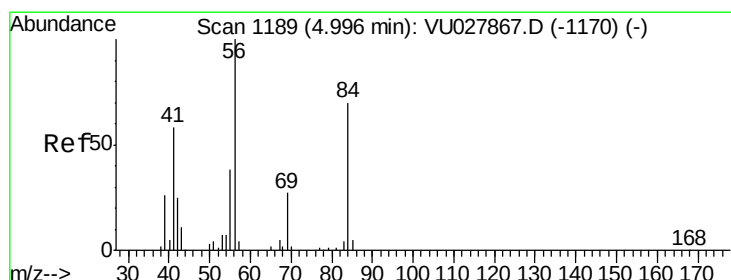
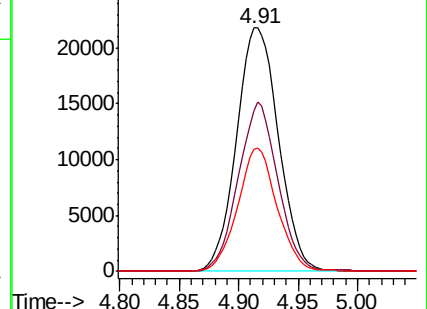
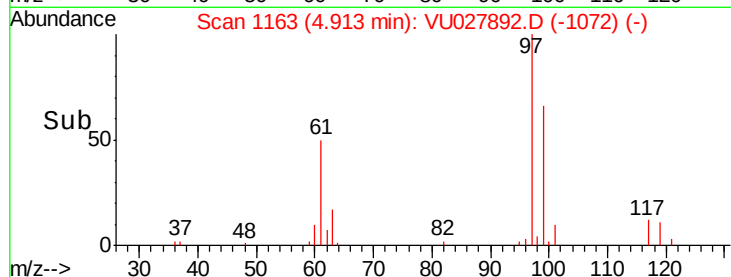
61 47.5 35.8 53.6



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.384 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

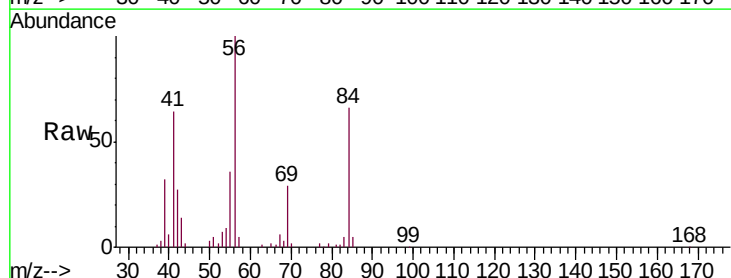
Tgt Ion: 56 Resp: 56864

Ion Ratio Lower Upper

56 100

69 26.3 22.7 34.1

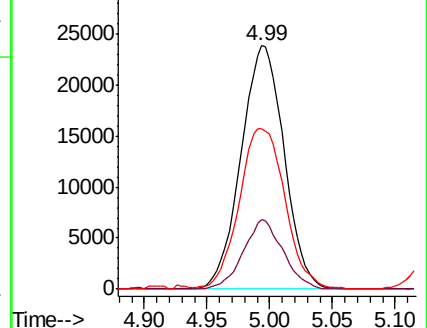
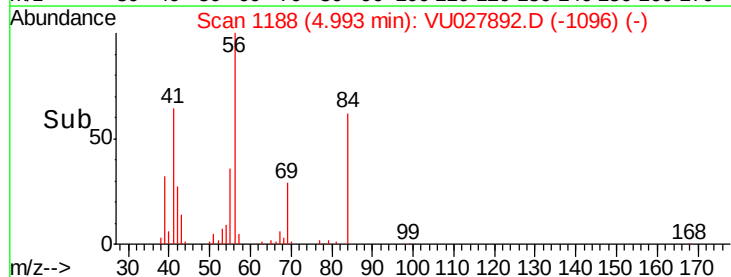
84 70.4 58.1 87.1

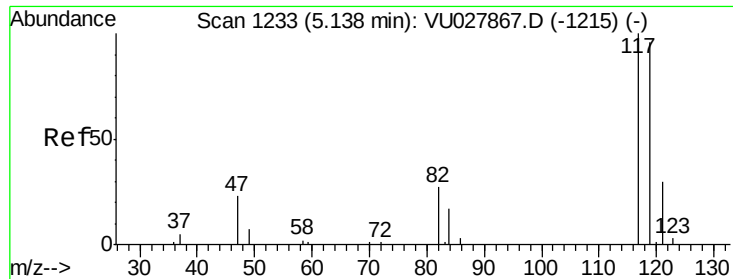


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.884 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

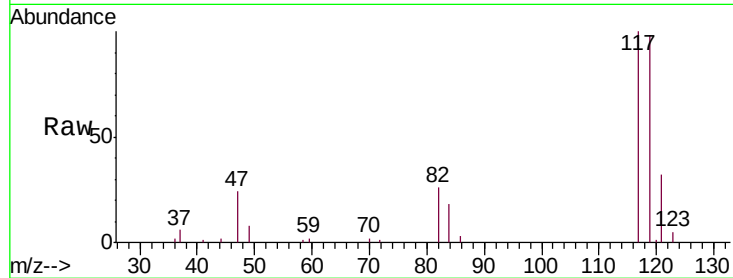
VSTD00550

Tgt Ion:117 Resp: 46272

Ion Ratio Lower Upper

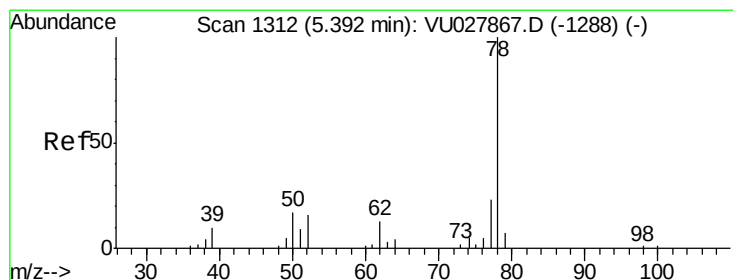
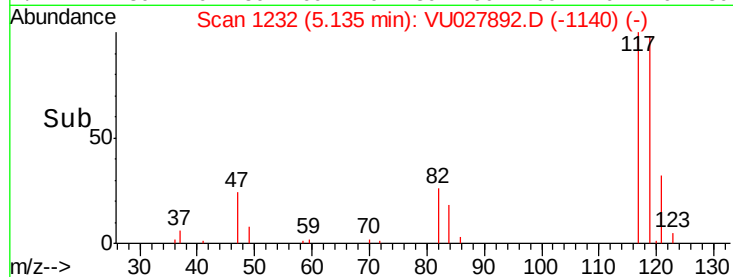
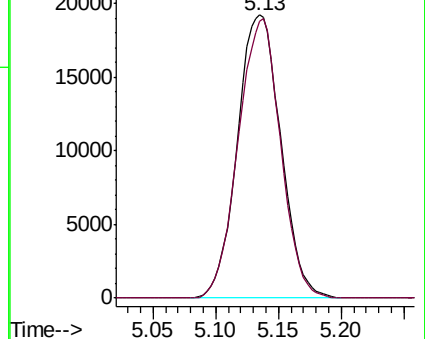
117 100

119 96.1 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.506 ug/L

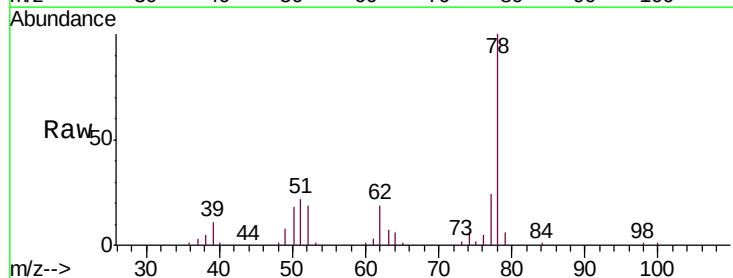
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

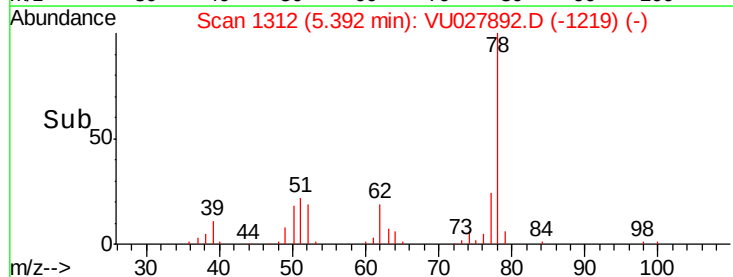
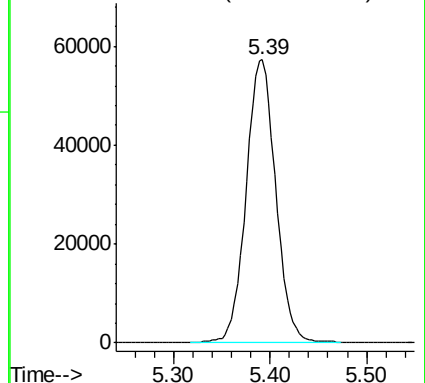
Lab File: VU027892.D

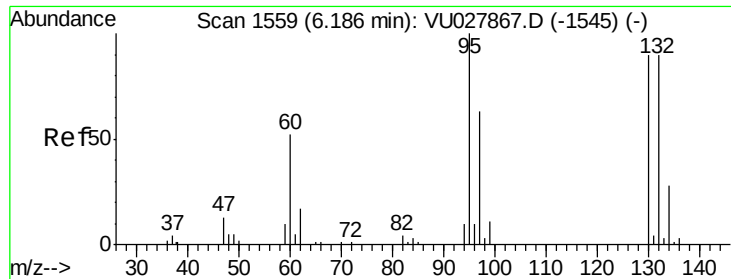
Acq: 01 Nov 2018 09:22

Tgt Ion: 78 Resp: 122079



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.543 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

Tgt Ion: 95 Resp: 32033

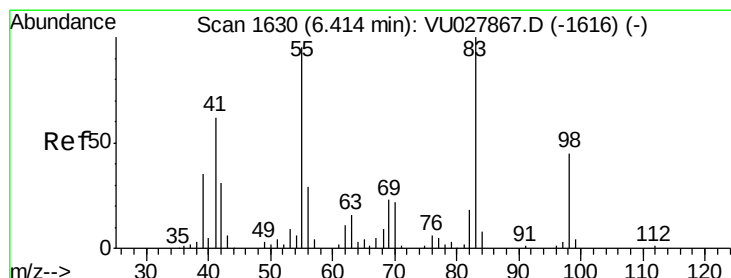
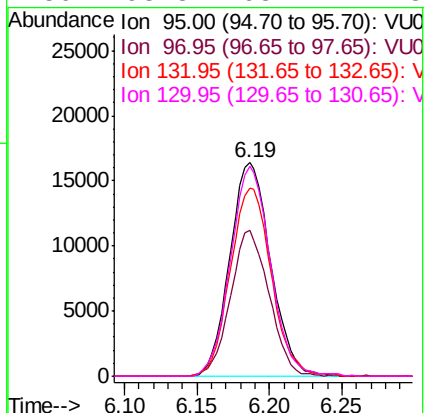
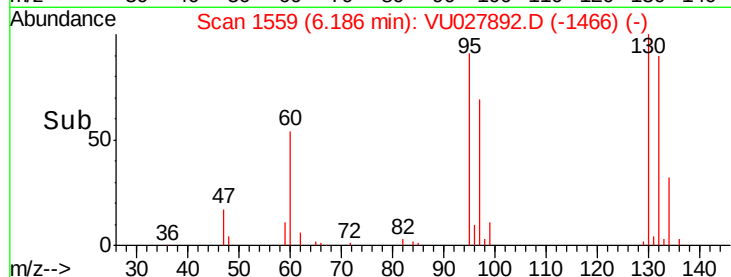
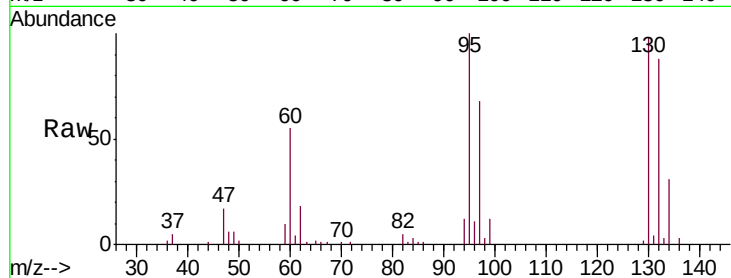
Ion Ratio Lower Upper

95 100

97 68.2 44.0 81.6

132 88.3 63.3 117.5

130 98.3 63.1 117.3



#35

Methylcyclohexane

Concen: 4.440 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

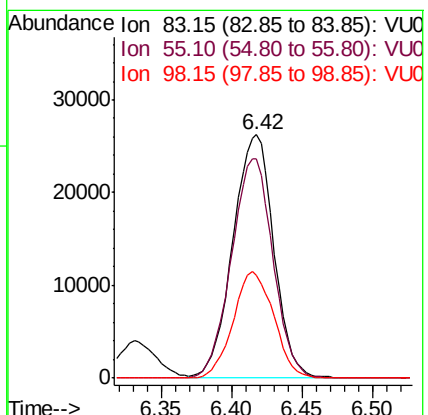
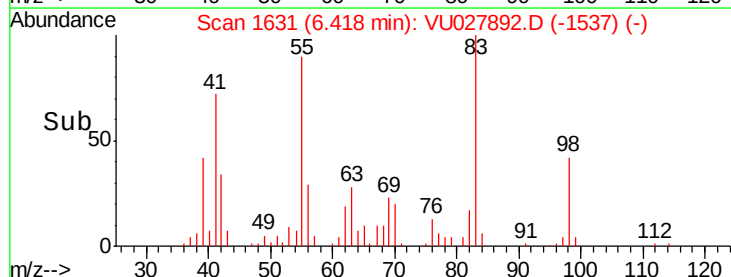
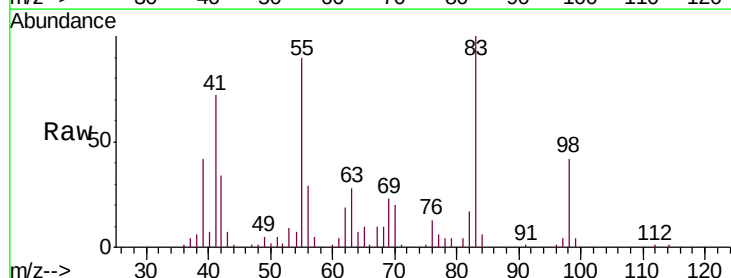
Tgt Ion: 83 Resp: 53259

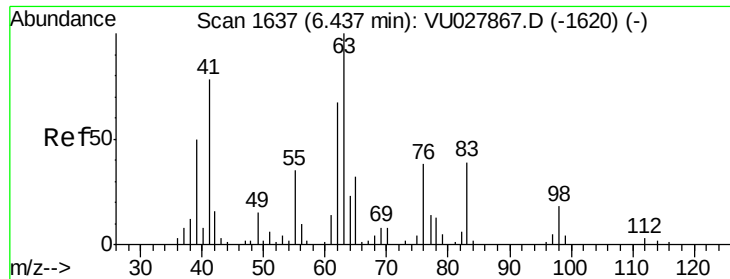
Ion Ratio Lower Upper

83 100

55 91.3 73.4 110.0

98 43.3 35.3 52.9

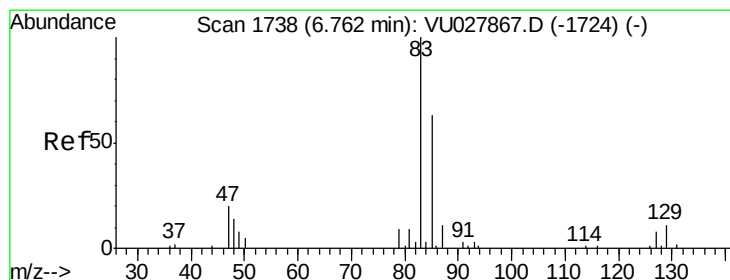
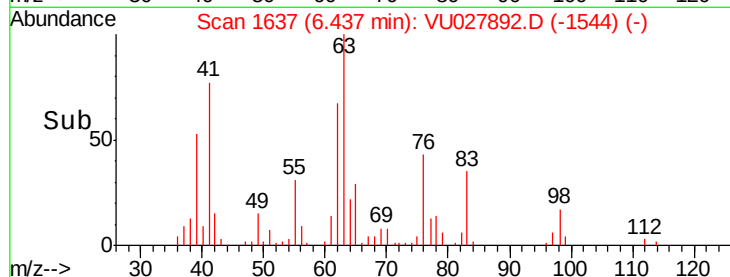
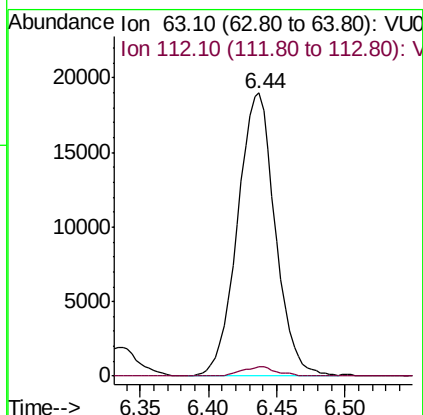
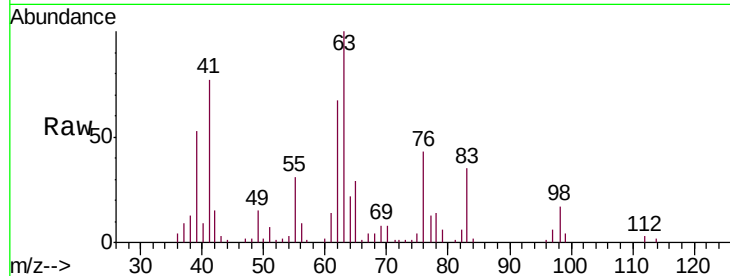




#37
 1,2-Dichloropropane
 Concen: 4.718 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

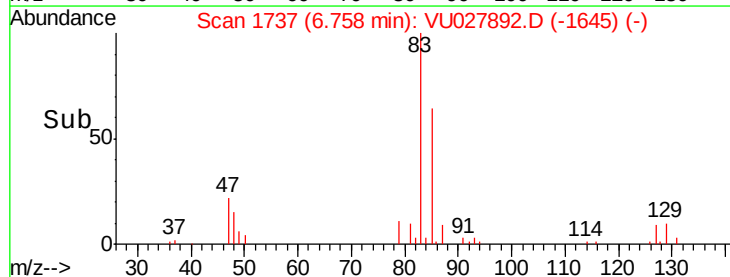
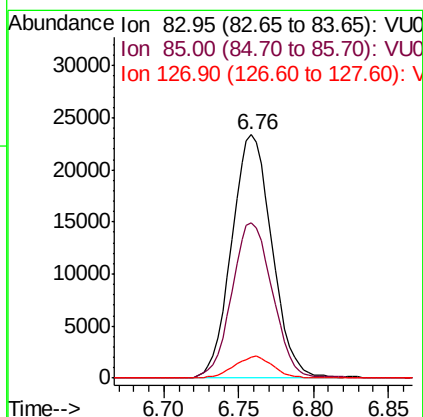
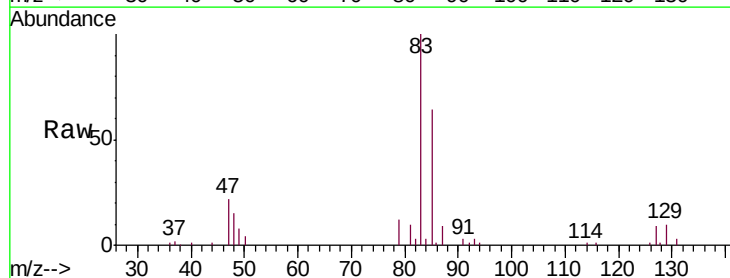
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

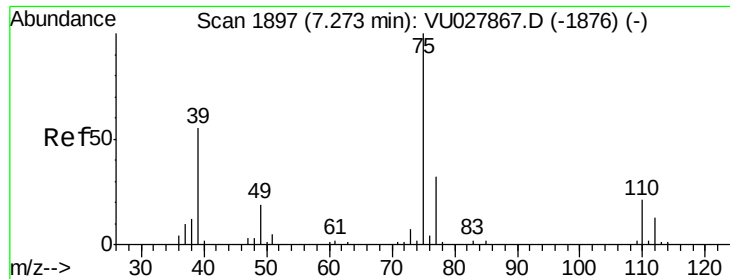
Tgt Ion: 63 Resp: 36417
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.6 3.8



#38
 Bromodichloromethane
 Concen: 4.859 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Tgt Ion: 83 Resp: 43843
 Ion Ratio Lower Upper
 83 100
 85 63.7 43.8 81.4
 127 8.5 6.4 9.6

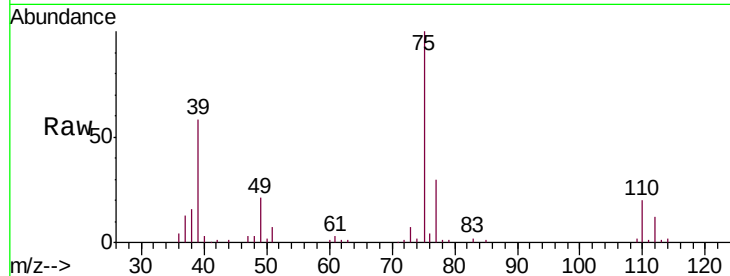




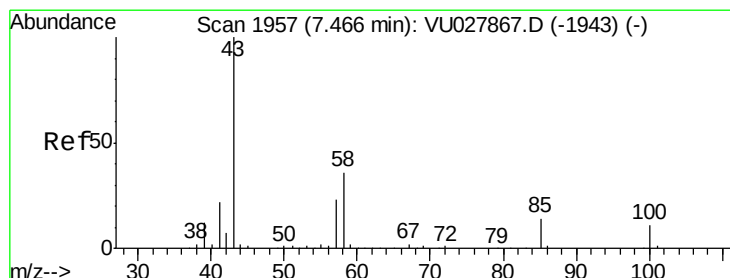
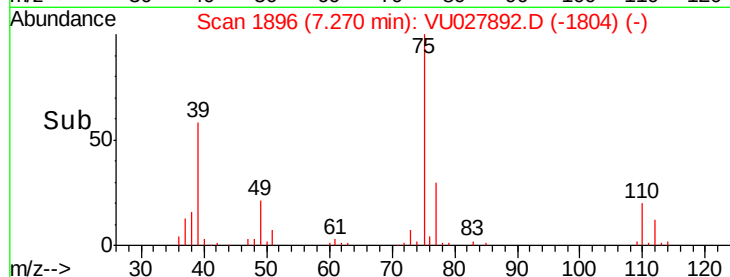
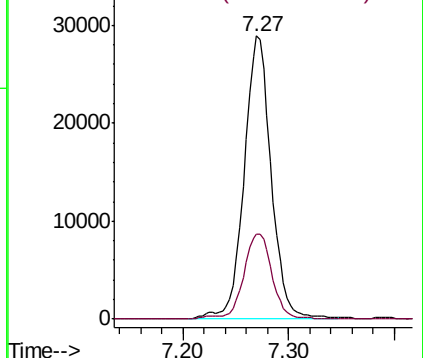
#39
 cis-1,3-Dichloropropene
 Concen: 4.664 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion: 75 Resp: 51602
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.2 41.2

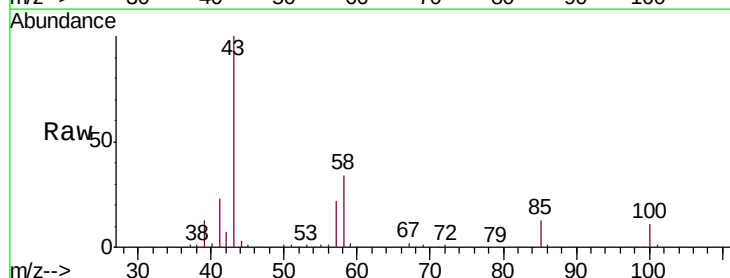


Abundance Ion 75.05 (74.75 to 75.75): VU027867.D (-1876) (-)
 Ion 77.05 (76.75 to 77.75): VU027867.D (-1876) (-)

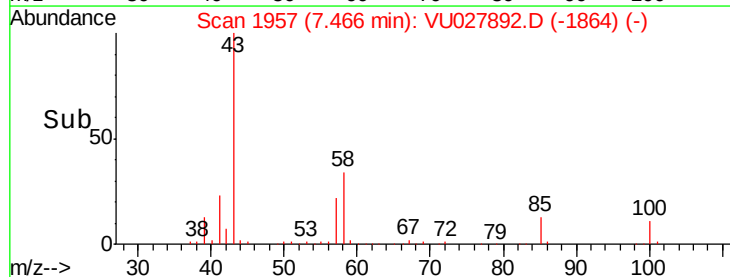
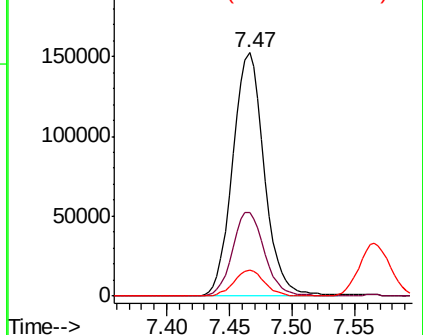


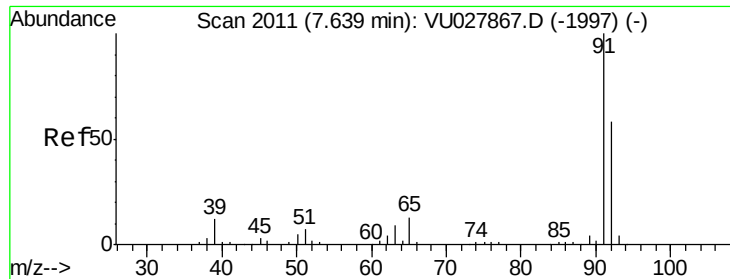
#40
 4-Methyl-2-pentanone
 Concen: 49.013 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Tgt Ion: 43 Resp: 267253
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.5 42.7
 100 10.4 8.8 13.2



Abundance Ion 43.05 (42.75 to 43.75): VU027867.D (-1943) (-)
 Ion 58.05 (57.75 to 58.75): VU027867.D (-1943) (-)
 Ion 100.15 (99.85 to 100.85): VU027867.D (-1943) (-)





#42

Toluene

Concen: 4.669 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

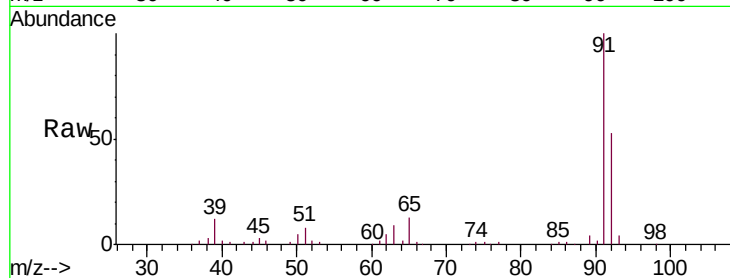
VSTD00550

Tgt Ion: 91 Resp: 132344

Ion Ratio Lower Upper

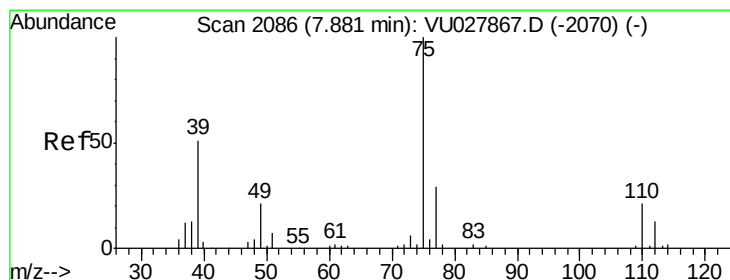
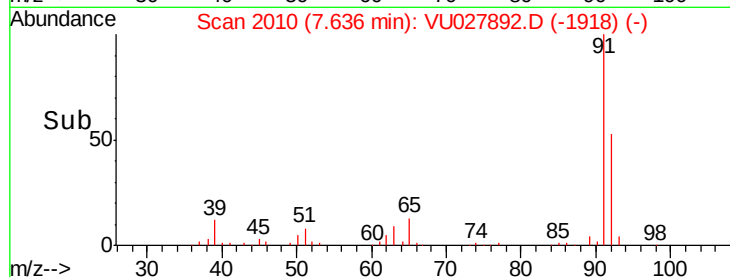
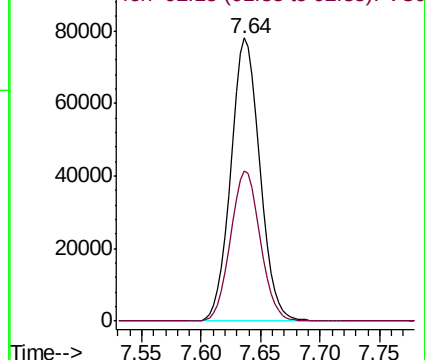
91 100

92 53.2 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.623 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027892.D

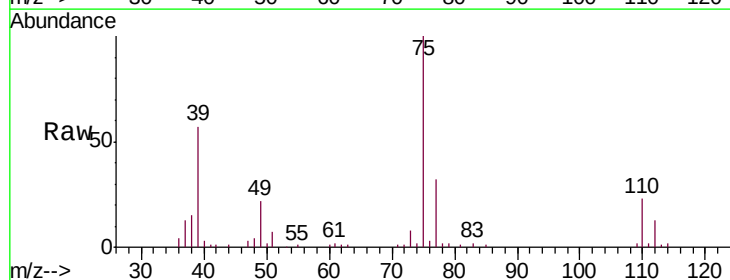
Acq: 01 Nov 2018 09:22

Tgt Ion: 75 Resp: 43873

Ion Ratio Lower Upper

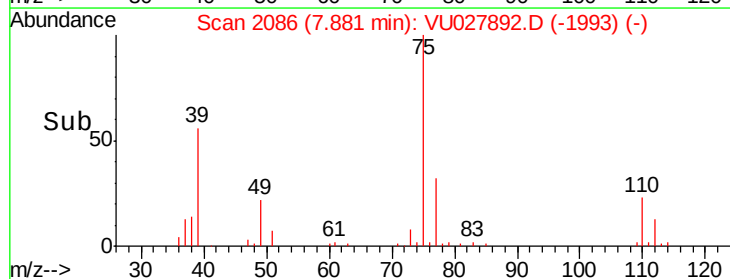
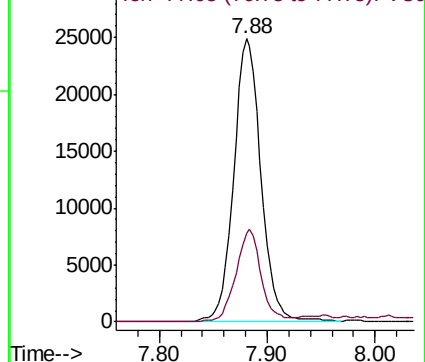
75 100

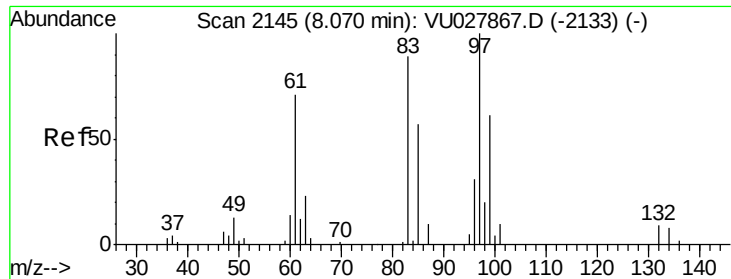
77 31.5 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

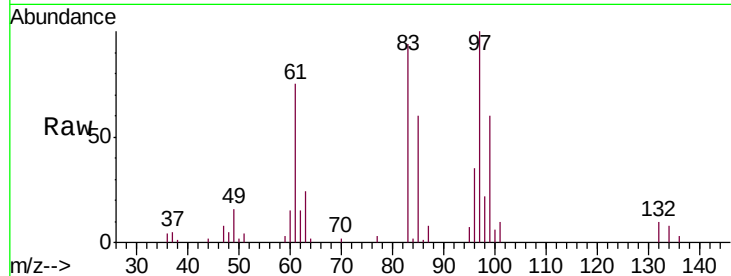




#45
 1,1,2-Trichloroethane
 Concen: 4.620 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion:	97	Resp:	21935
Ion	Ratio	Lower	Upper
97	100		
99	60.2	42.9	79.7
83	94.2	62.2	115.6
85	60.2	40.2	74.6



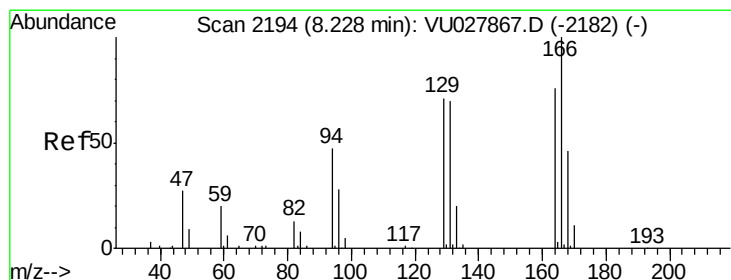
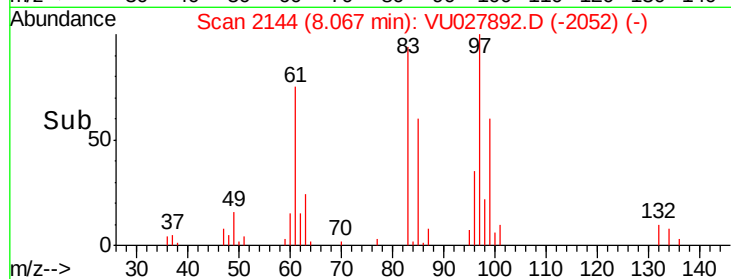
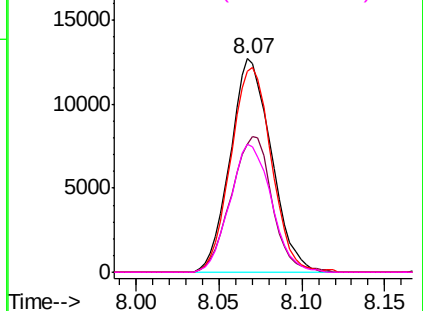
Abundance

Ion 96.95 (96.65 to 97.65): VU027867.D (-2133) (-)

Ion 99.05 (98.75 to 99.75): VU027867.D (-2133) (-)

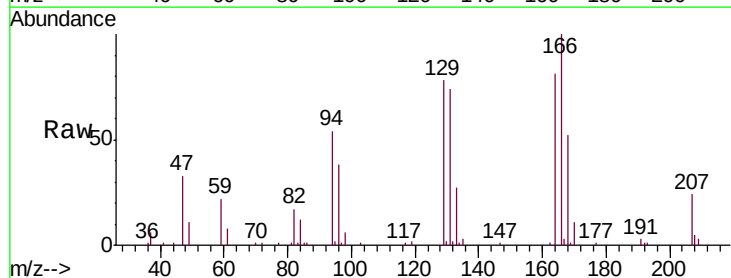
Ion 82.95 (82.65 to 83.65): VU027867.D (-2133) (-)

Ion 85.00 (84.70 to 85.70): VU027867.D (-2133) (-)



#47
 Tetrachloroethene
 Concen: 4.719 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Tgt Ion:	164	Resp:	25565
Ion	Ratio	Lower	Upper
164	100		
129	96.3	64.9	120.5
131	91.9	64.3	119.5
166	124.1	91.8	170.4



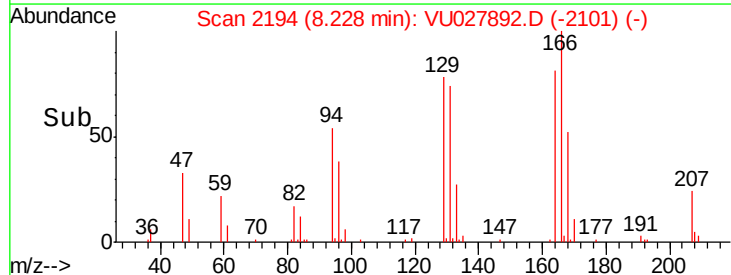
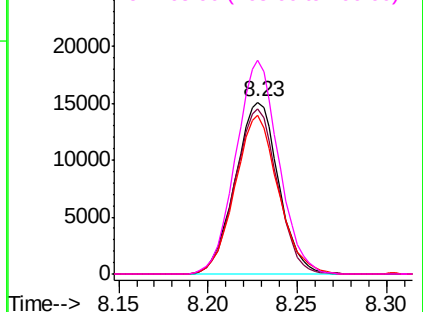
Abundance

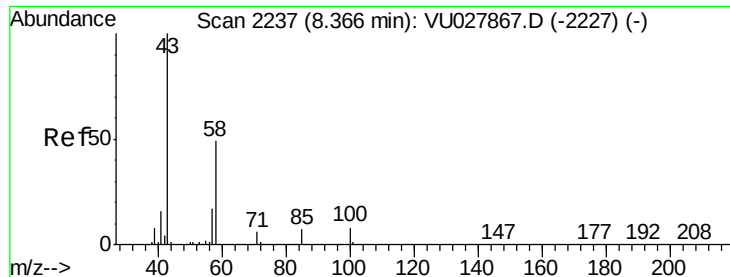
Ion 163.90 (163.60 to 164.60): VU027867.D (-2182) (-)

Ion 128.95 (128.65 to 129.65): VU027867.D (-2182) (-)

Ion 130.95 (130.65 to 131.65): VU027867.D (-2182) (-)

Ion 165.90 (165.60 to 166.60): VU027867.D (-2182) (-)

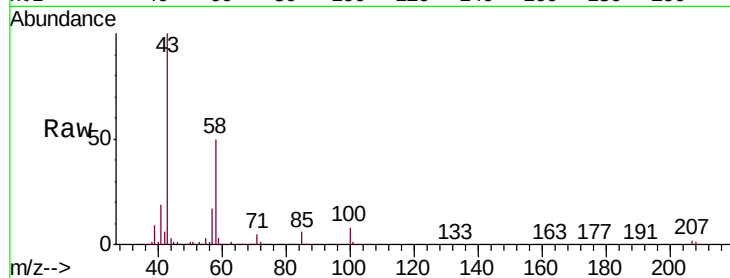




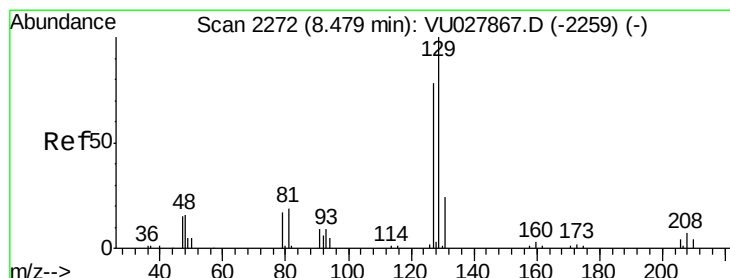
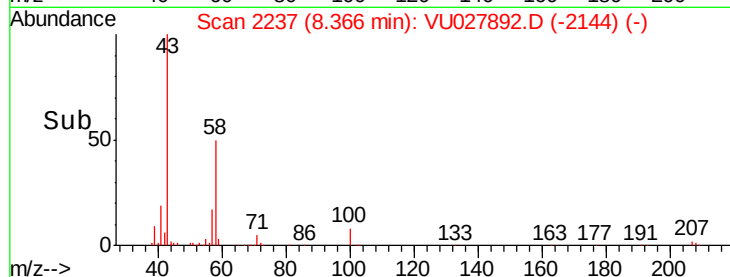
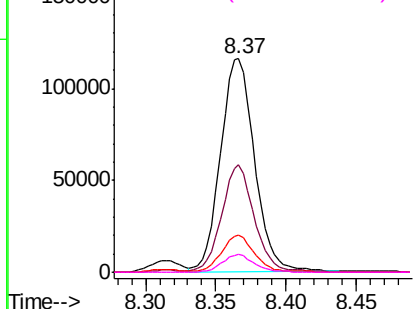
#48
2-Hexanone
Concen: 49.478 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Tgt Ion: 43 Resp: 194493
Ion Ratio Lower Upper
43 100
58 48.6 38.9 58.3
57 17.2 13.3 19.9
100 8.0 6.6 10.0

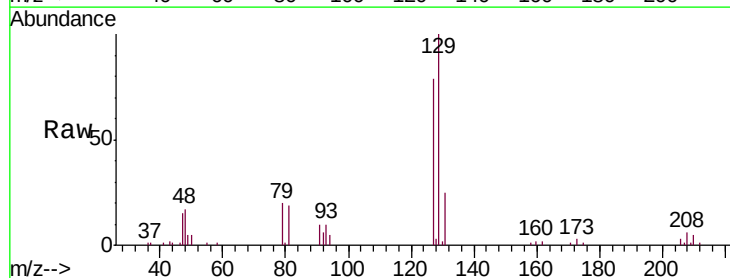


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

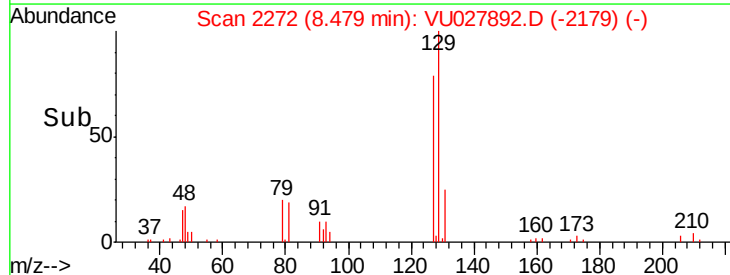
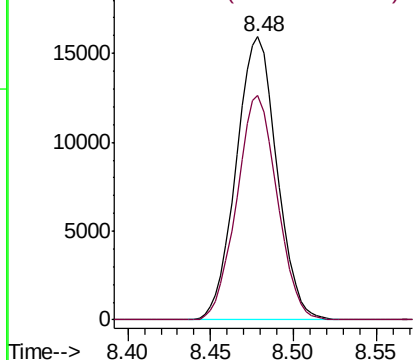


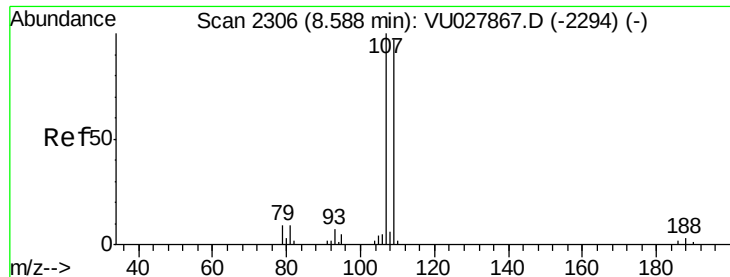
#49
Dibromochloromethane
Concen: 4.750 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Tgt Ion: 129 Resp: 27236
Ion Ratio Lower Upper
129 100
127 79.2 54.5 101.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.758 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

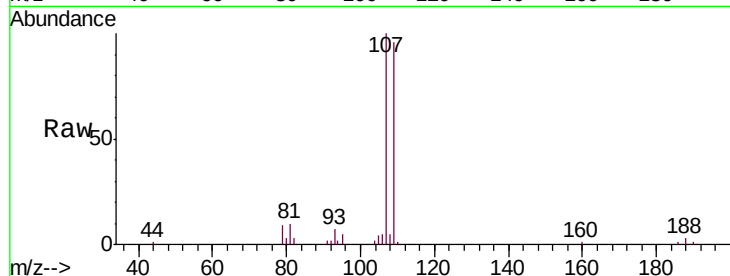
Tgt Ion:107 Resp: 21612

Ion Ratio Lower Upper

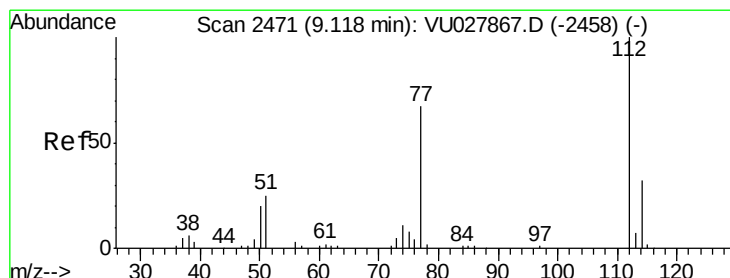
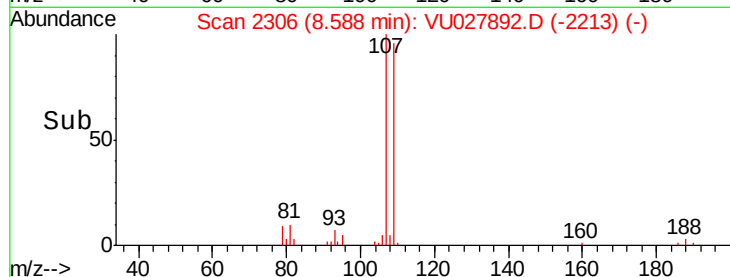
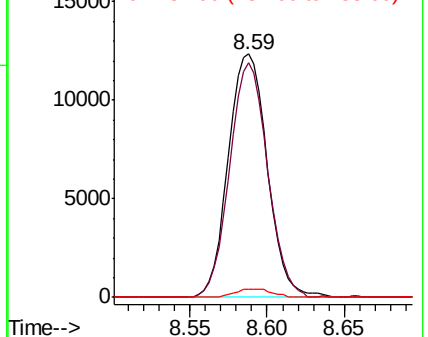
107 100

109 96.4 68.0 126.4

188 3.3 2.7 4.1



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.567 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

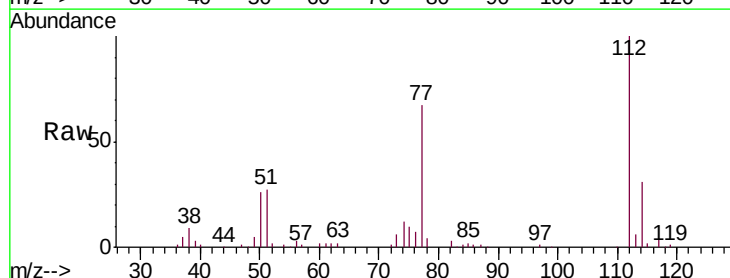
Tgt Ion:112 Resp: 80306

Ion Ratio Lower Upper

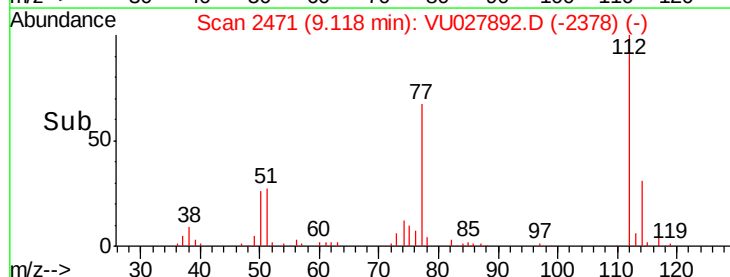
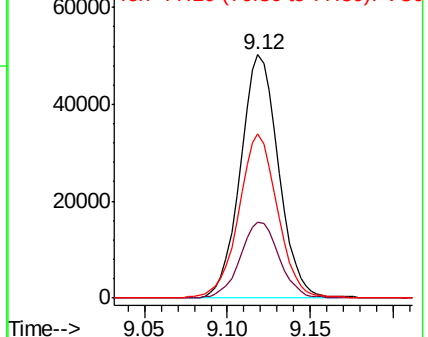
112 100

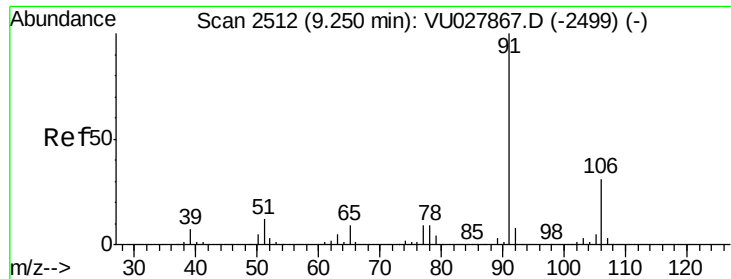
114 31.2 22.0 41.0

77 67.3 54.3 81.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.629 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

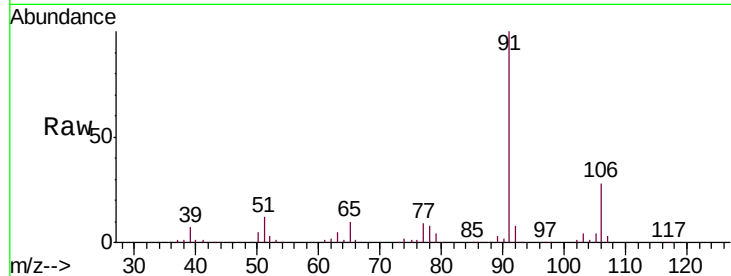
VSTD00550

Tgt Ion: 91 Resp: 149594

Ion Ratio Lower Upper

91 100

106 28.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU027867.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU027892.D (-2419) (-)

9.25

100000

80000

60000

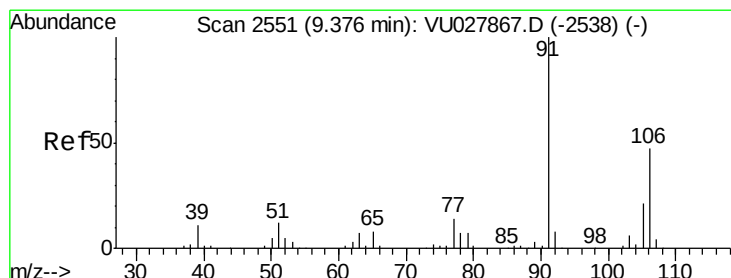
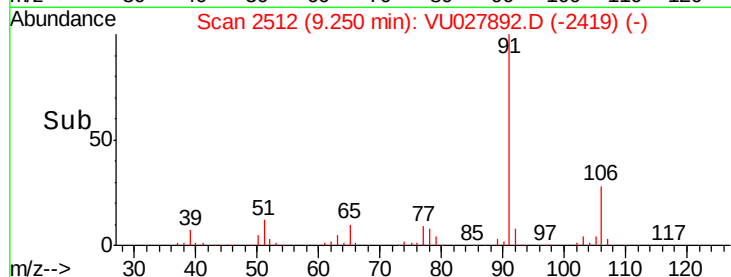
40000

20000

0

Time-->

9.20 9.25 9.30



#53

m,p-xylene

Concen: 4.528 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027892.D

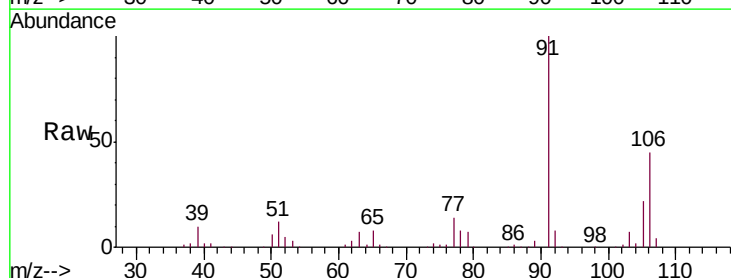
Acq: 01 Nov 2018 09:22

Tgt Ion: 106 Resp: 53066

Ion Ratio Lower Upper

106 100

91 222.1 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027867.D (-2538) (-)

Ion 91.15 (90.85 to 91.85): VU027892.D (-2458) (-)

9.38

80000

60000

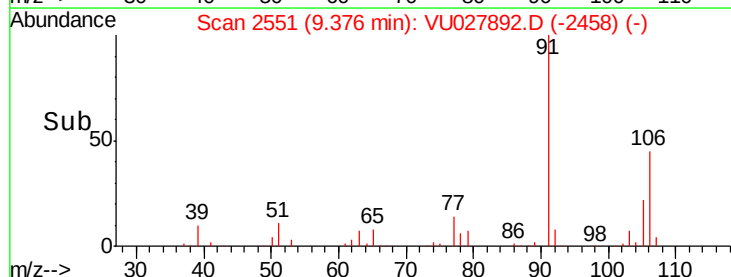
40000

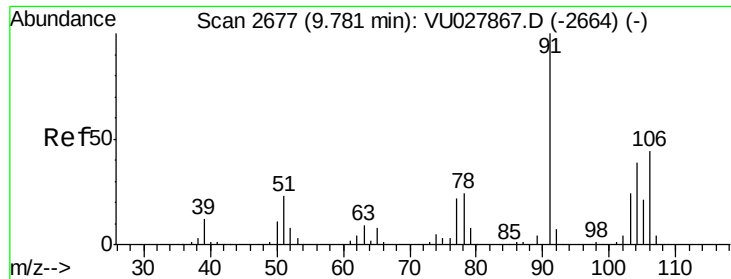
20000

0

Time-->

9.30 9.35 9.40 9.45

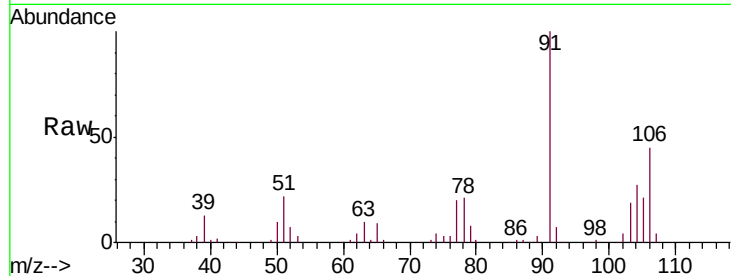




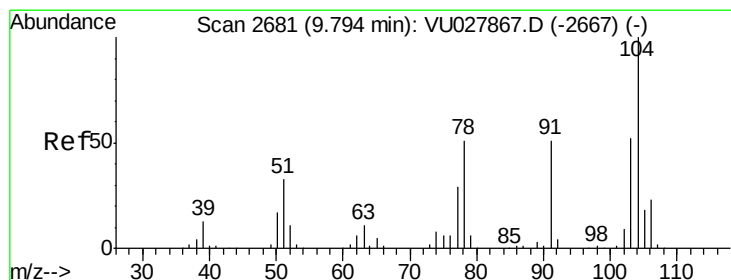
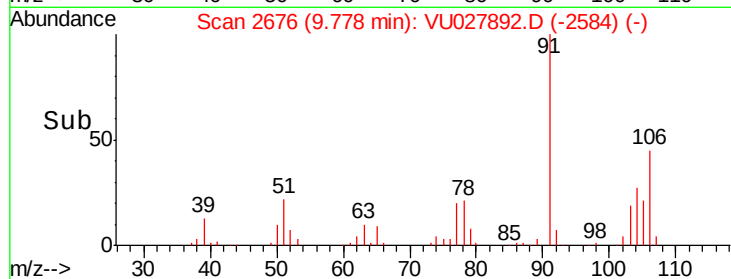
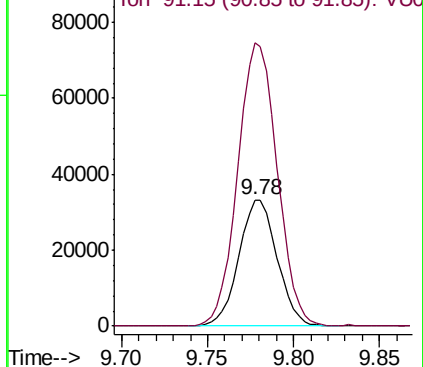
#54
o-xylene
Concen: 4.469 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Tgt Ion:106 Resp: 51442
Ion Ratio Lower Upper
106 100
91 223.9 158.3 293.9

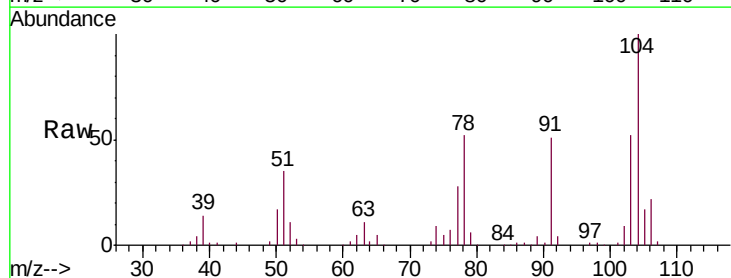


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

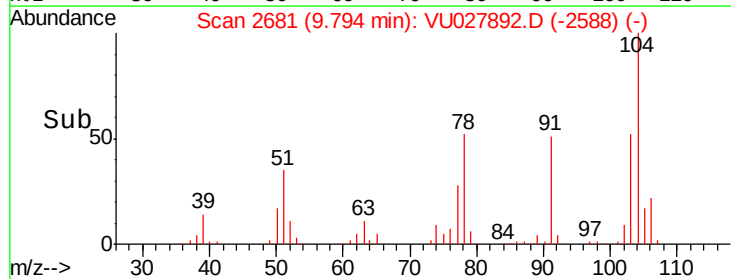
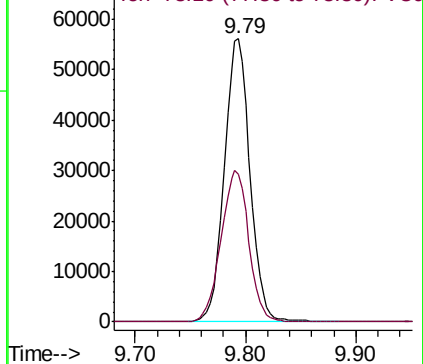


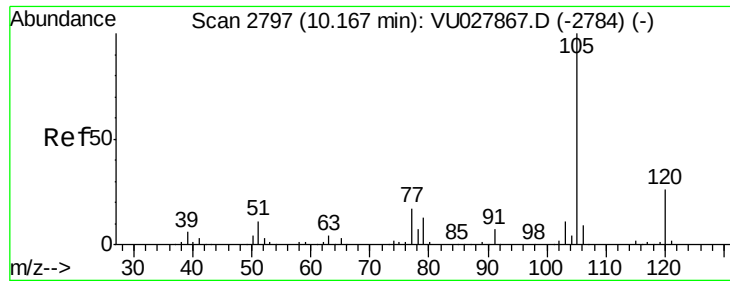
#55
Styrene
Concen: 4.697 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027892.D
Acq: 01 Nov 2018 09:22

Tgt Ion:104 Resp: 90617
Ion Ratio Lower Upper
104 100
78 52.3 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.655 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

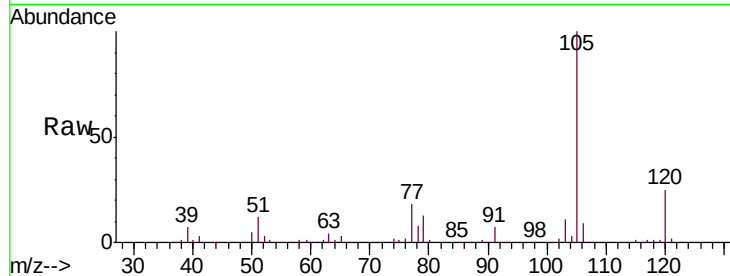
Tgt Ion: 105 Resp: 145972

Ion Ratio Lower Upper

105 100

120 24.7 20.2 30.2

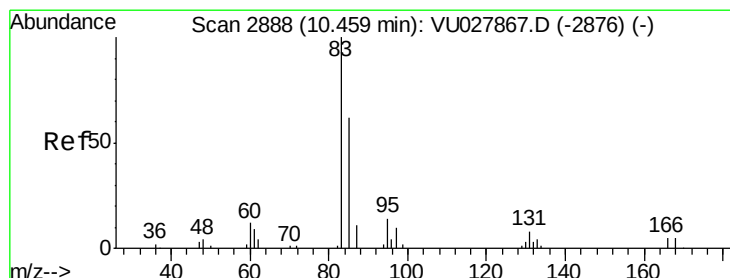
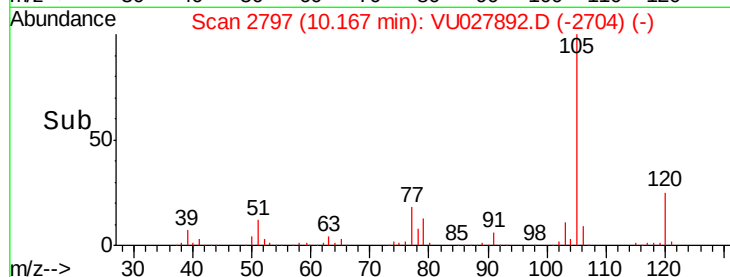
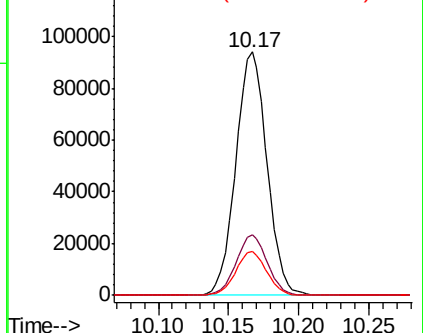
77 17.8 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.629 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

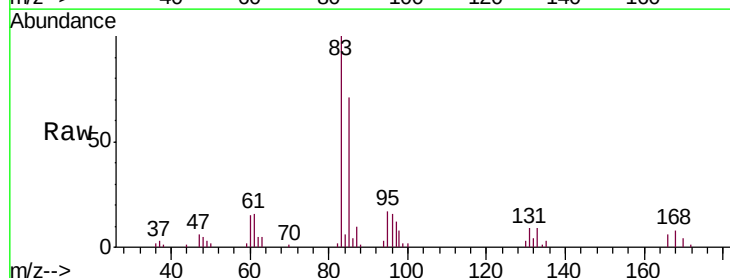
Tgt Ion: 83 Resp: 28658

Ion Ratio Lower Upper

83 100

85 71.3 44.4 82.4

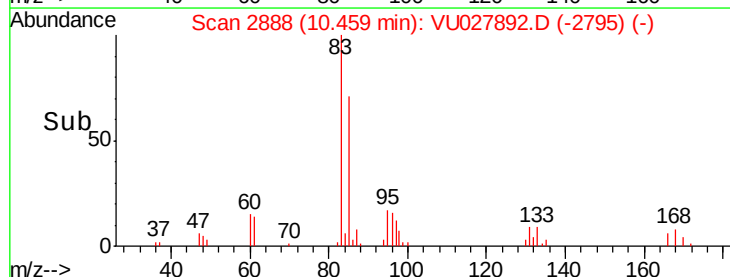
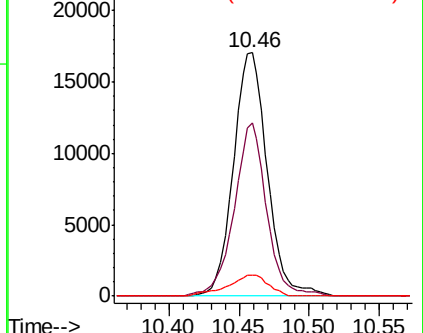
131 8.8 6.8 10.2

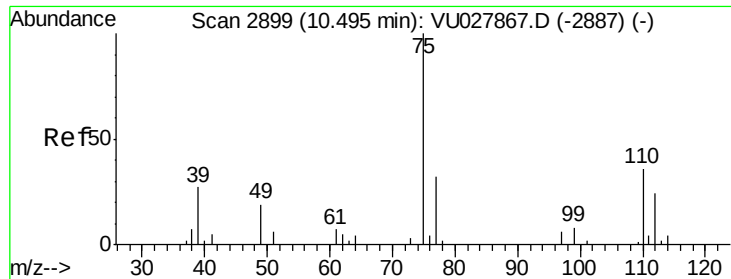


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.810 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

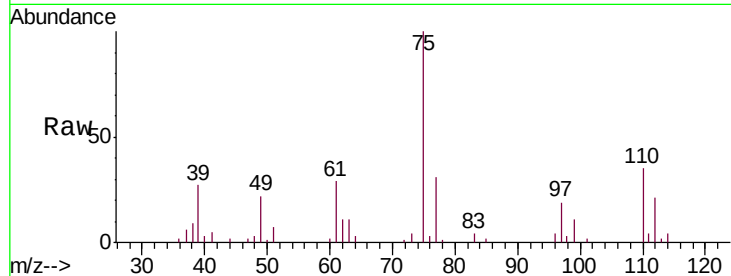
VSTD00550

Tgt Ion: 75 Resp: 22501

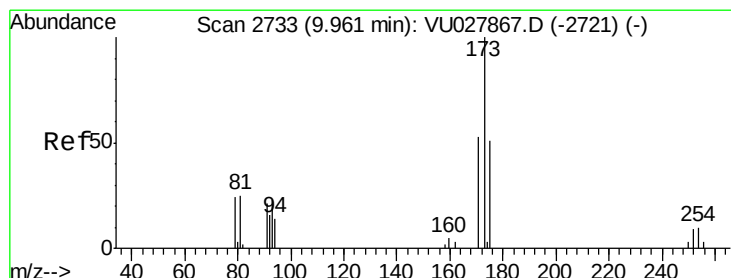
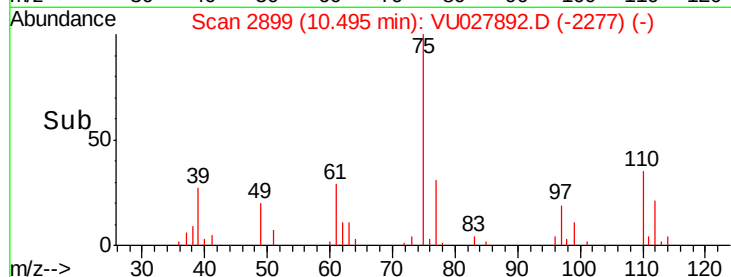
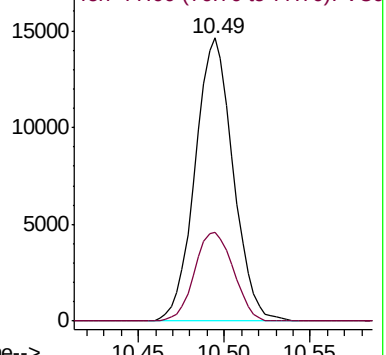
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU027867.D (-2887) (-)



#61

Bromoform

Concen: 4.663 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

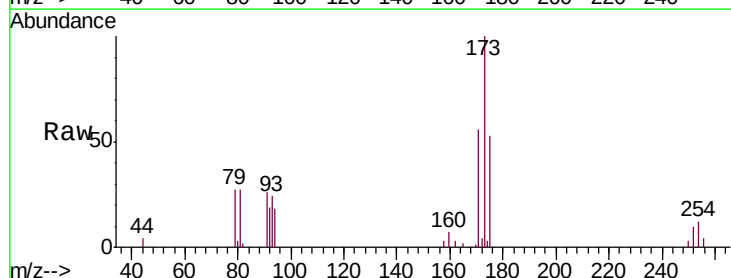
Tgt Ion: 173 Resp: 14964

Ion Ratio Lower Upper

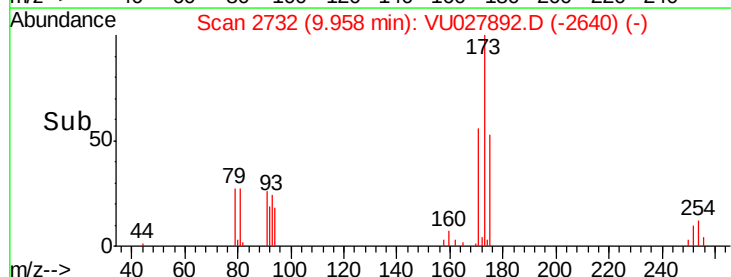
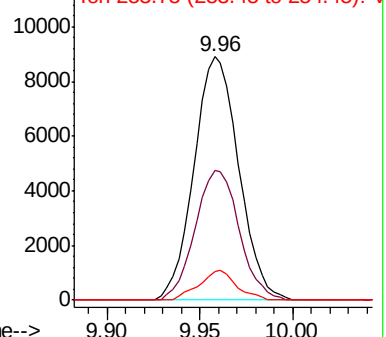
173 100

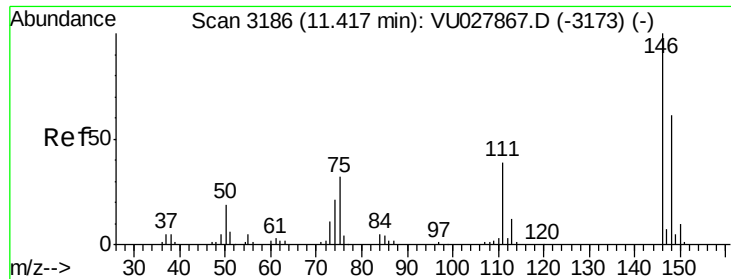
175 52.3 38.3 57.5

254 10.1 7.8 11.6



Abundance Ion 172.90 (172.60 to 173.60): VU027867.D (-2721) (-)

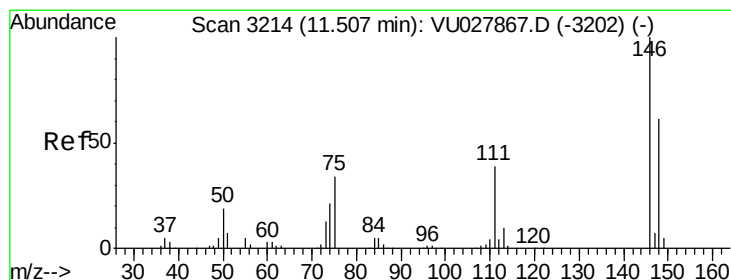
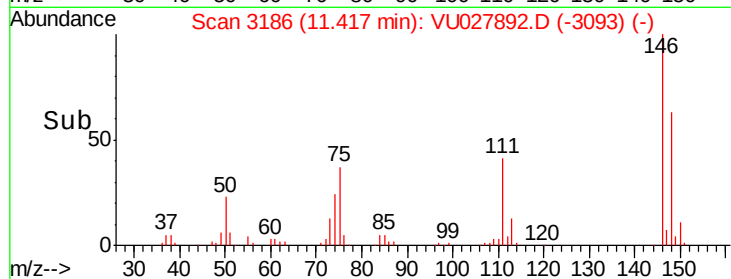
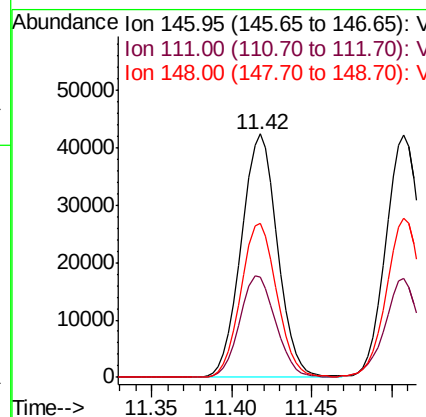
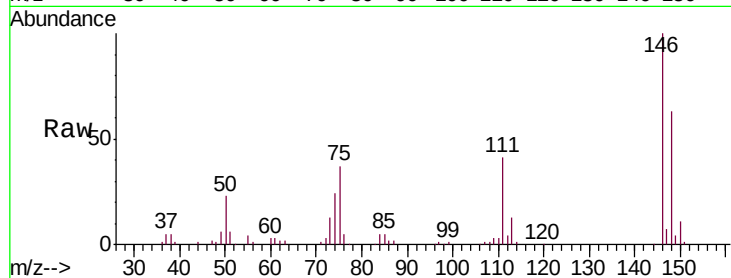




#62
 1,3-Dichlorobenzene
 Concen: 4.662 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

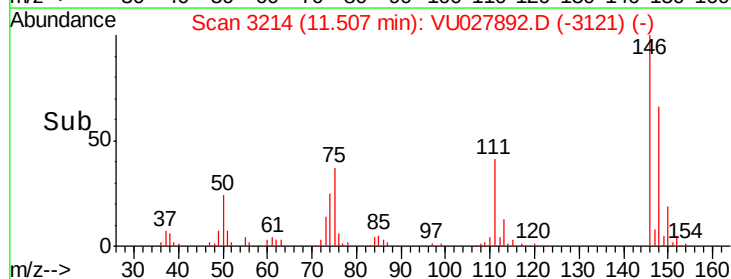
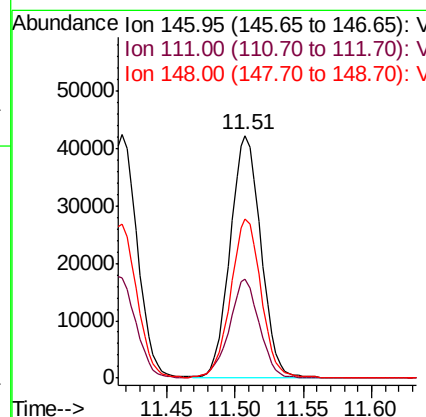
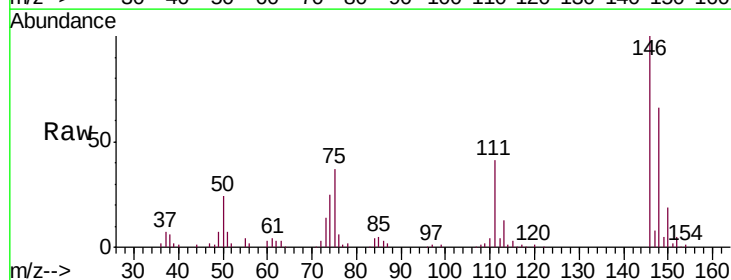
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

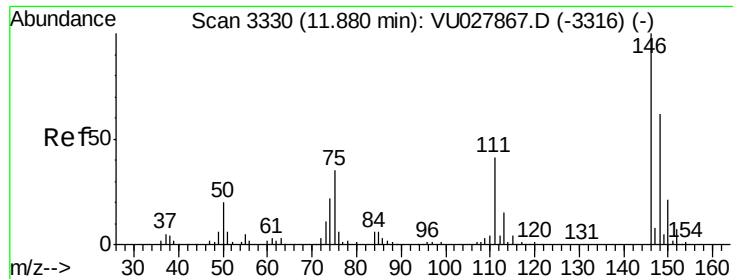
Tgt Ion:146 Resp: 65420
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.4 51.0
 148 63.4 42.6 79.0



#63
 1,4-Dichlorobenzene
 Concen: 4.736 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Tgt Ion:146 Resp: 66426
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.4 51.0
 148 65.8 43.1 80.1

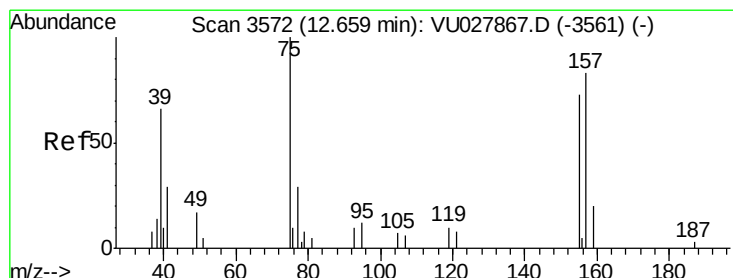
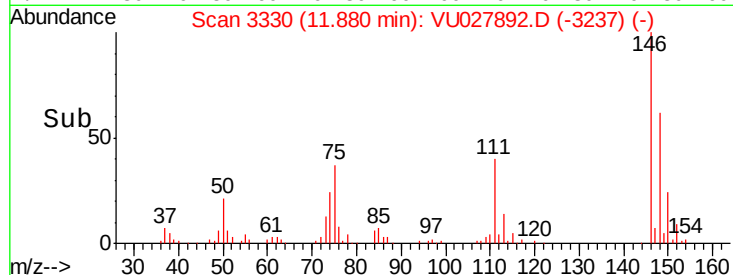
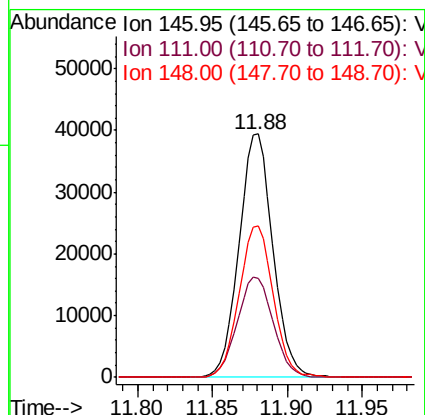
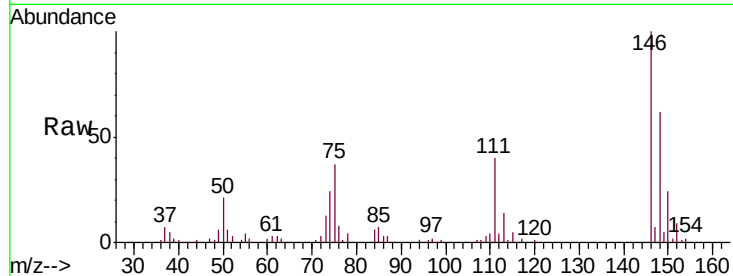




#65
 1,2-Dichlorobenzene
 Concen: 4.702 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

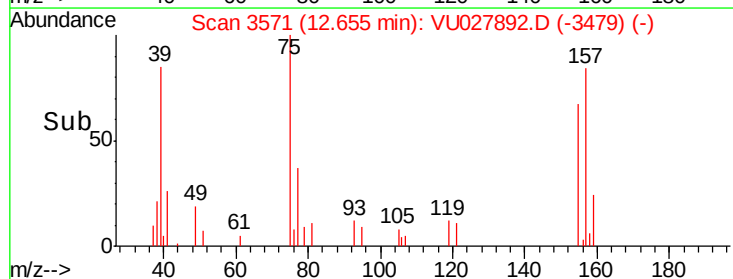
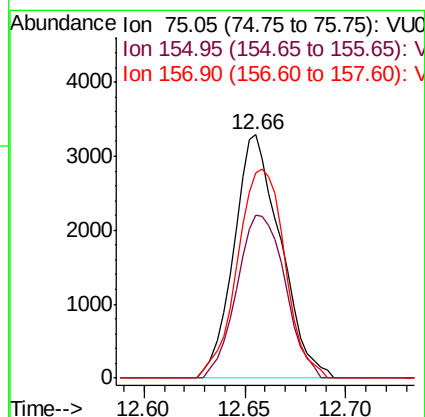
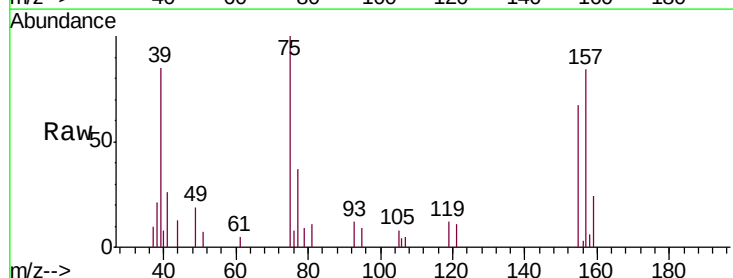
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

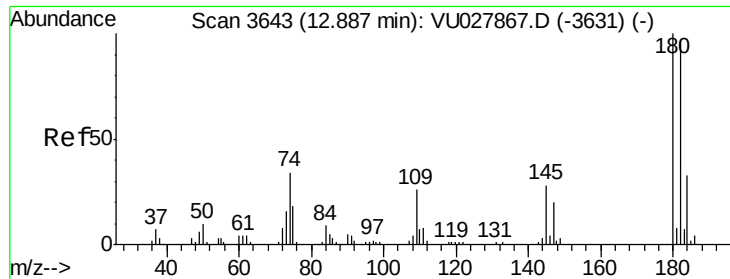
Tgt Ion: 146 Resp: 62300
 Ion Ratio Lower Upper
 146 100
 111 40.4 33.0 49.4
 148 62.1 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.131 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Tgt Ion: 75 Resp: 5327
 Ion Ratio Lower Upper
 75 100
 155 66.8 58.6 87.8
 157 84.4 66.7 100.1

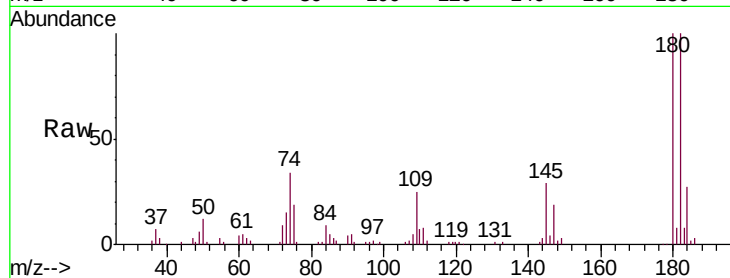




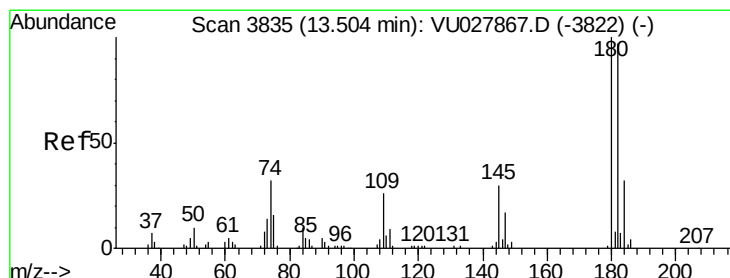
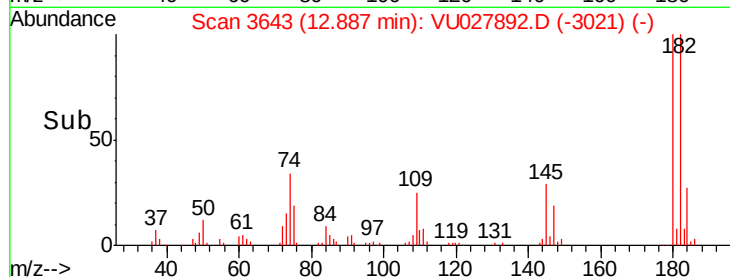
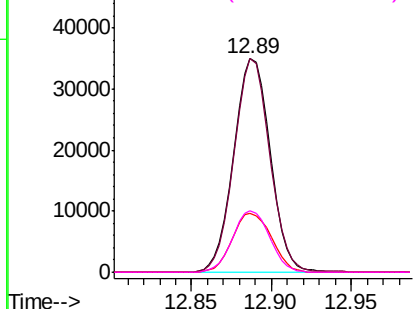
#67
 1,3,5-Trichlorobenzene
 Concen: 4.814 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion:180 Resp: 54363
 Ion Ratio Lower Upper
 180 100
 182 97.9 77.3 115.9
 184 29.7 24.6 37.0
 145 29.1 23.0 34.6

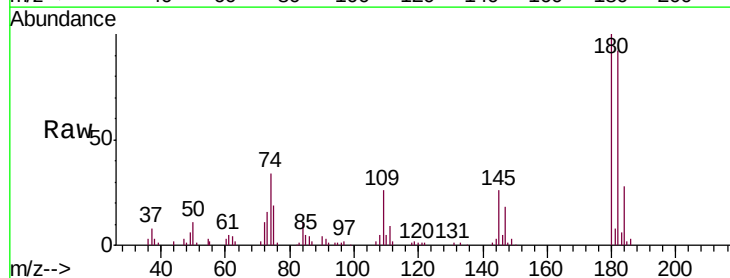


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

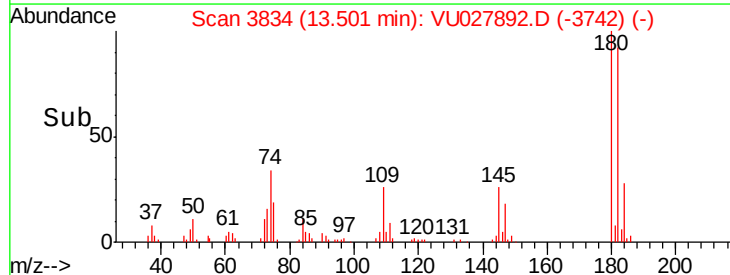
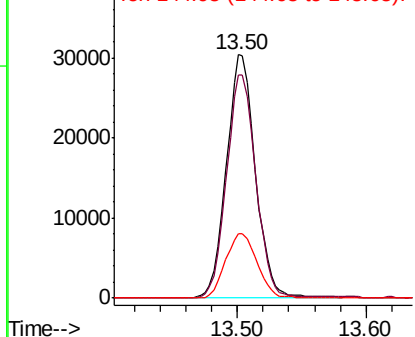


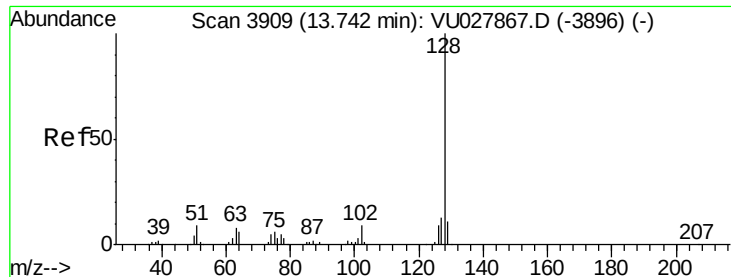
#68
 1,2,4-trichlorobenzene
 Concen: 4.941 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027892.D
 Acq: 01 Nov 2018 09:22

Tgt Ion:180 Resp: 47449
 Ion Ratio Lower Upper
 180 100
 182 92.6 77.8 116.6
 145 28.7 22.9 34.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.958 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

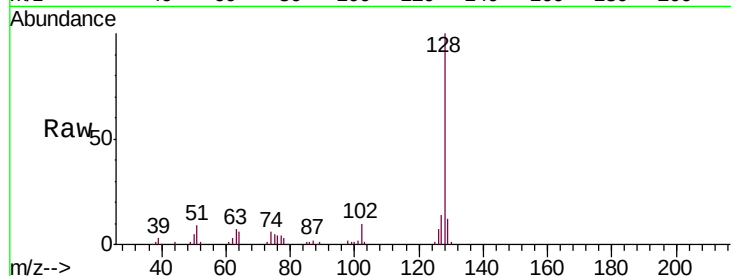
Tgt Ion:128 Resp: 74037

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

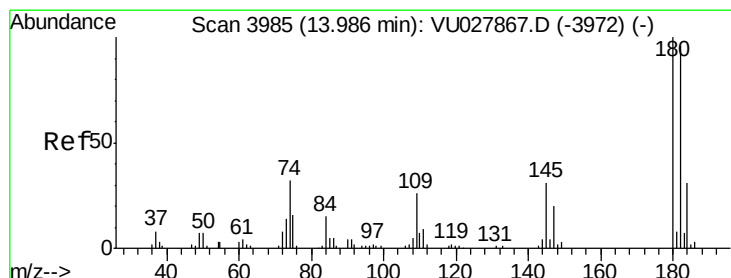
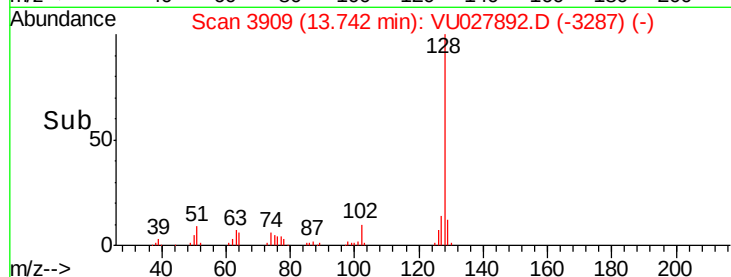
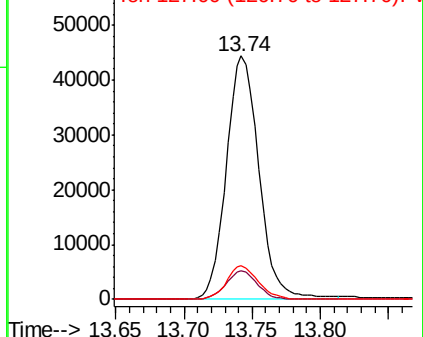
127 13.7 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.930 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027892.D

Acq: 01 Nov 2018 09:22

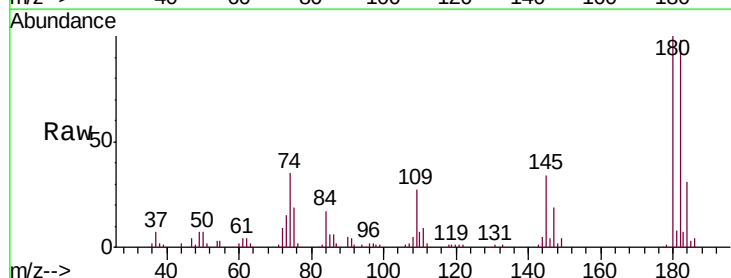
Tgt Ion:180 Resp: 43121

Ion Ratio Lower Upper

180 100

182 96.9 79.4 119.0

145 31.5 25.4 38.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

