

Data File : VU029724.D
Acq On : 28 Feb 2019 09:32
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Quant Time: Mar 01 00:17:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 03:07:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	292404	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	282650	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	149581	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82038	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.68	69	78807	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.27	63	171062	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	4.19	46	211972	49.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.20%
24) Chloroform-d	4.65	84	166748	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.31	65	82823	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.34	84	353999	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.33	67	105766	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.56	98	336011	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.85	79	43301	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.31	63	212228	49.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	89836	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	138291	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	113511	4.973	ug/L 100
3) Chloromethane	1.32	50	101157	5.128	ug/L 99
5) Vinyl chloride	1.40	62	118908	4.768	ug/L 95
6) Bromomethane	1.63	94	73872	5.351	ug/L 99
8) Chloroethane	1.70	64	70441	4.360	ug/L 97
9) Trichlorofluoromethane	1.88	101	162328	4.390	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	102248	4.481	ug/L 99
12) 1,1-Dichloroethene	2.28	96	99389	4.582	ug/L 91
13) Acetone	2.32	43	126740	40.860	ug/L 99
14) Carbon disulfide	2.48	76	317398	4.455	ug/L 100
15) Methyl Acetate	2.62	43	36670	4.052	ug/L 98
16) Methylene chloride	2.70	84	102630	4.001	ug/L 97
17) Methyl tert-butyl Ether	3.00	73	225177	4.342	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	105042	4.450	ug/L 98
19) 1,1-Dichloroethane	3.44	63	177348	4.825	ug/L 98
21) 2-Butanone	4.27	43	201909	46.914	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	106271	4.916	ug/L 96

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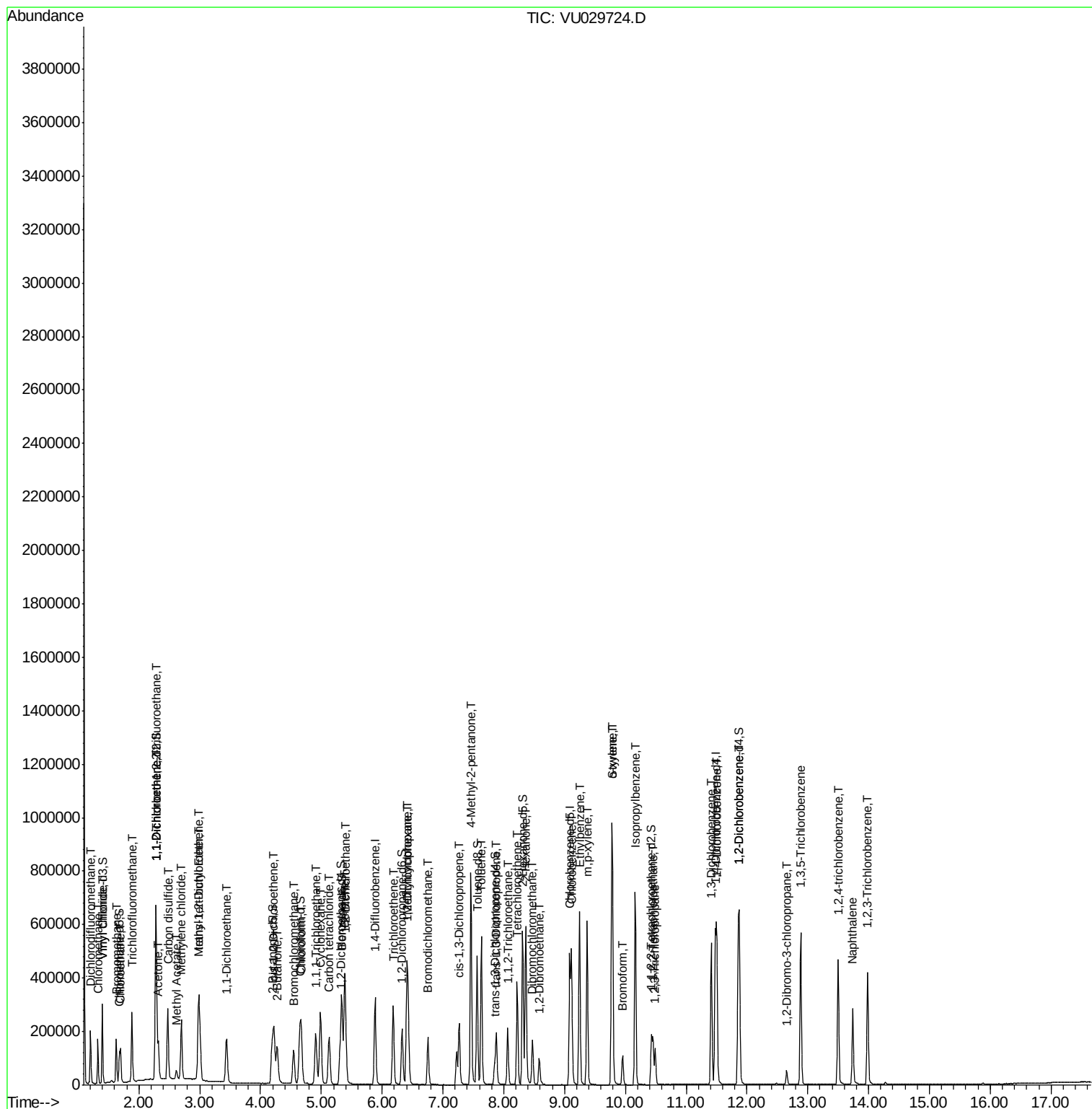
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	48529	4.975	ug/L	97
25) Chloroform	4.67	83	182417	4.958	ug/L	99
27) 1,2-Dichloroethane	5.40	62	100454	4.623	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	152195	5.180	ug/L	99
30) Cyclohexane	4.99	56	147797	5.083	ug/L	100
31) Carbon tetrachloride	5.13	117	135379	5.294	ug/L	99
33) Benzene	5.39	78	383264	5.131	ug/L	100
34) Trichloroethene	6.18	95	104735	5.023	ug/L	96
35) Methylcyclohexane	6.41	83	172991	5.115	ug/L	98
37) 1,2-Dichloropropane	6.43	63	94704	5.033	ug/L	99
38) Bromodichloromethane	6.75	83	123082	5.240	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	145234	5.273	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	505782	47.824	ug/L	99
42) Toluene	7.63	91	424046	5.005	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	113678	5.142	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	70987	4.818	ug/L	98
47) Tetrachloroethene	8.22	164	94013	4.855	ug/L	98
48) 2-Hexanone	8.36	43	363012	46.933	ug/L	99
49) Dibromochloromethane	8.47	129	90559	5.073	ug/L	95
50) 1,2-Dibromoethane	8.58	107	68018	4.715	ug/L	98
51) Chlorobenzene	9.12	112	283611	4.873	ug/L	99
52) Ethylbenzene	9.25	91	471202	4.973	ug/L	98
53) m,p-xylene	9.37	106	187031	4.923	ug/L	99
54) o-xylene	9.77	106	181017	4.948	ug/L	99
55) Styrene	9.79	104	304539	4.983	ug/L	99
56) Isopropylbenzene	10.16	105	479853	4.888	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	86209	4.746	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	57061	4.541	ug/L	98
61) Bromoform	9.95	173	52551	5.297	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	235010	4.948	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	239770	4.978	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	226767	4.946	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	13449	4.990	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	192646	5.037	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	162597	5.031	ug/L	99
69) Naphthalene	13.74	128	255733	5.119	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	150252	4.965	ug/L	99

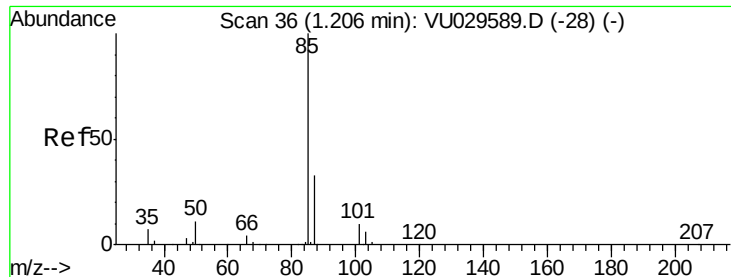
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.973 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

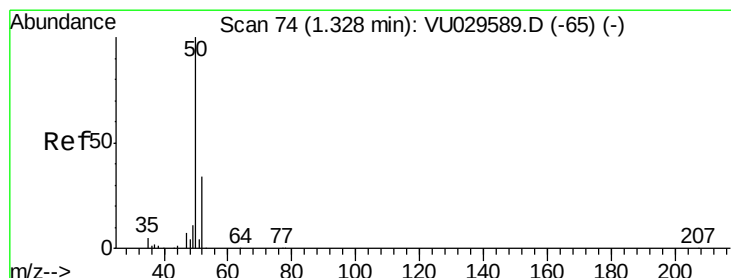
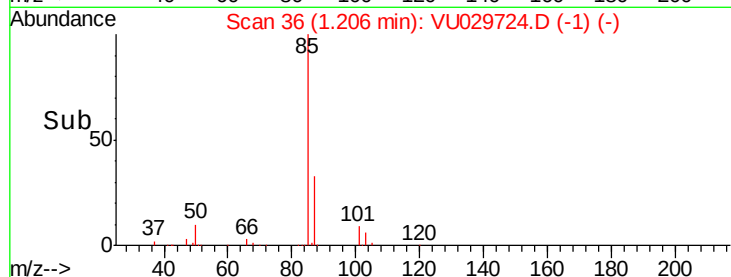
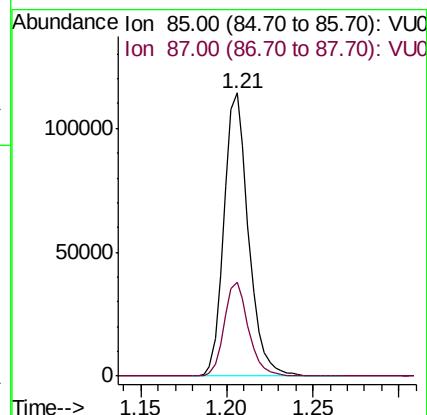
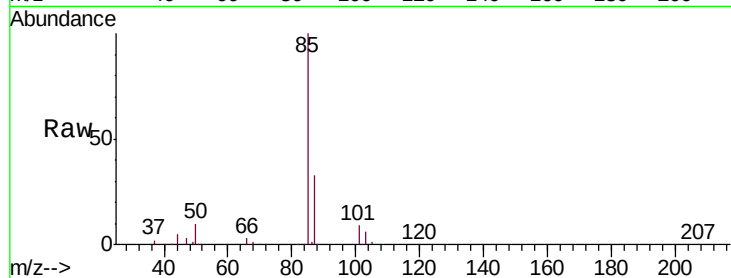
VSTD00542

Tgt Ion: 85 Resp: 113511

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



#3

Chloromethane

Concen: 5.128 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029724.D

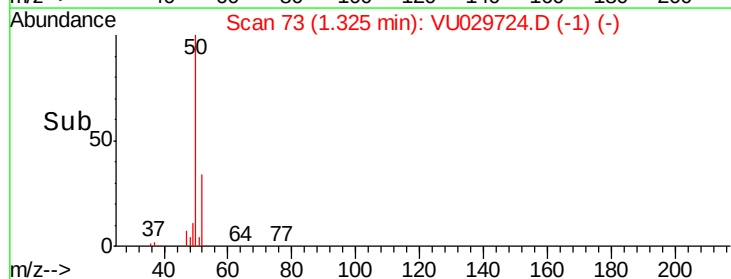
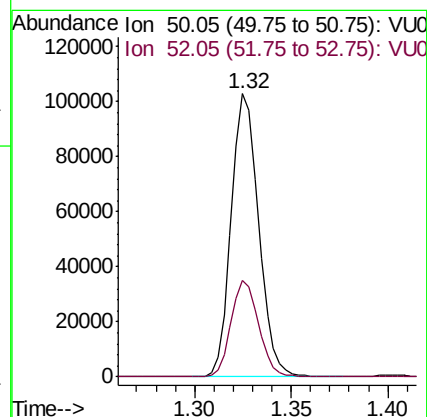
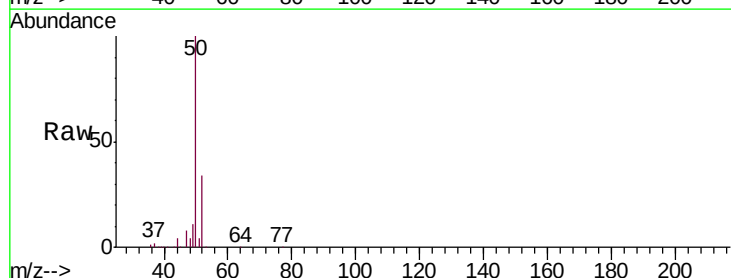
Acq: 28 Feb 2019 09:32

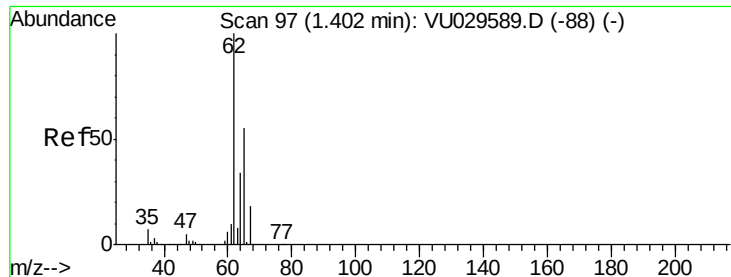
Tgt Ion: 50 Resp: 101157

Ion Ratio Lower Upper

50 100

52 34.1 23.5 43.7





#5

Vinyl chloride

Concen: 4.768 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

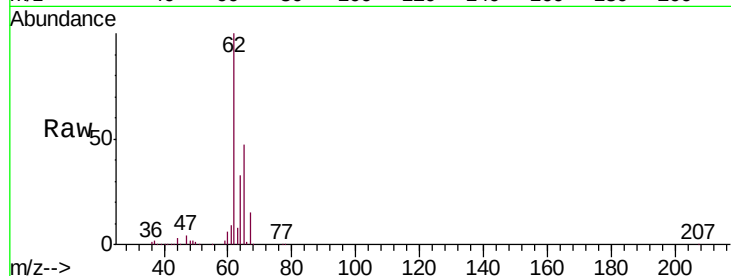
VSTD00542

Tgt Ion: 62 Resp: 118908

Ion Ratio Lower Upper

62 100

64 32.8 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

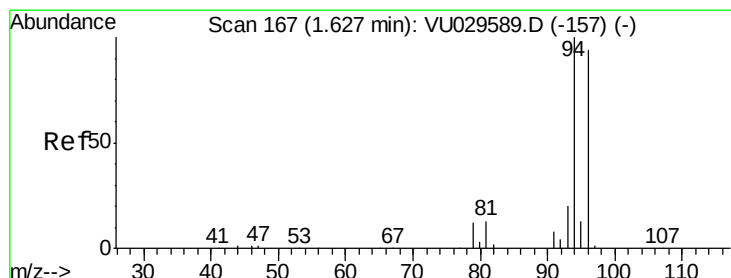
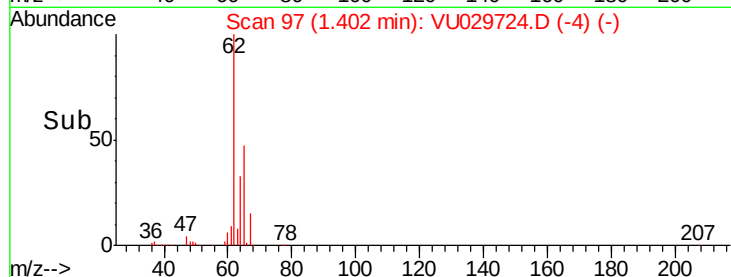
1.40

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.351 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029724.D

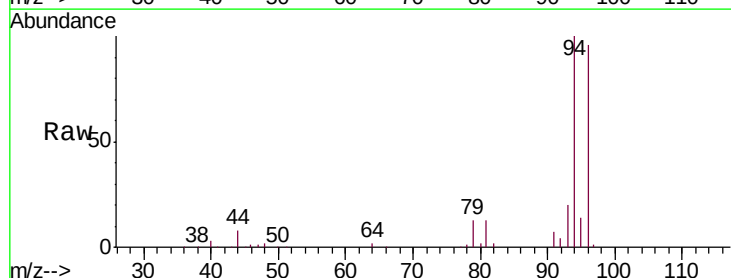
Acq: 28 Feb 2019 09:32

Tgt Ion: 94 Resp: 73872

Ion Ratio Lower Upper

94 100

96 95.6 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

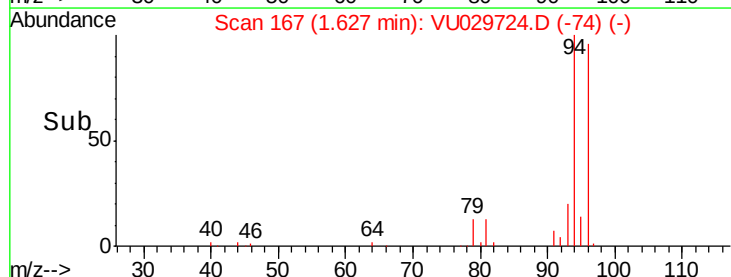
60000

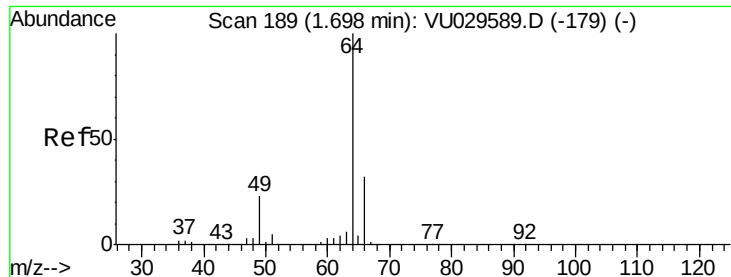
40000

20000

0

Time-->

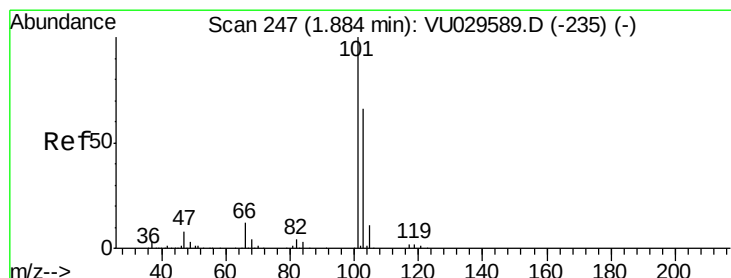
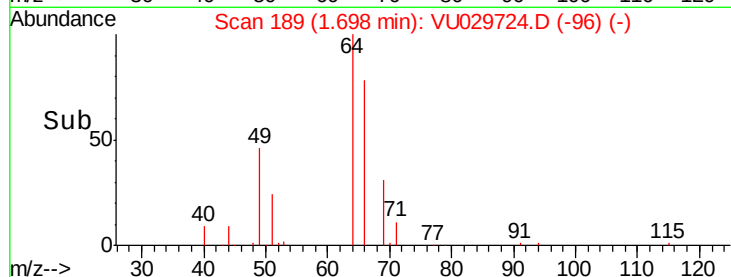
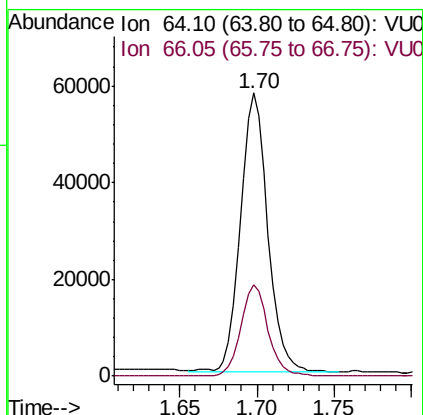
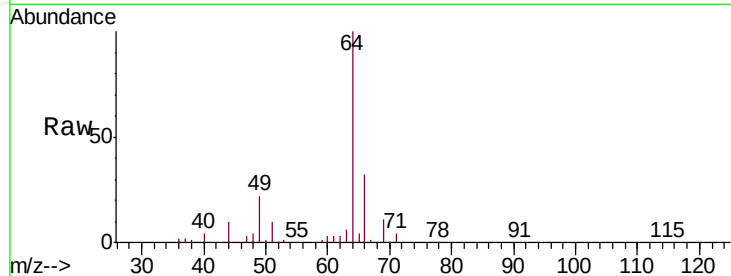




#8
Chloroethane
Concen: 4.360 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

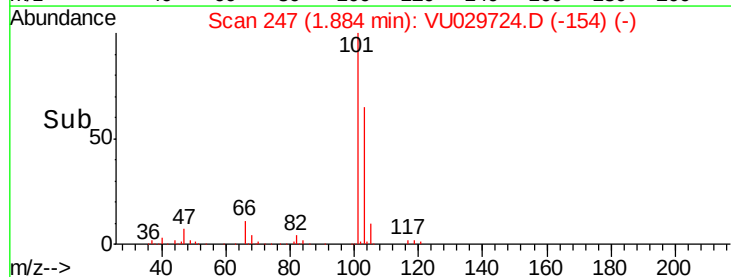
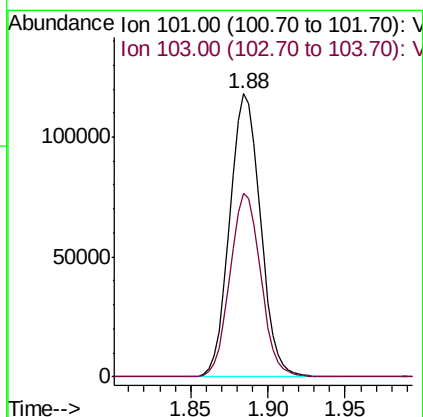
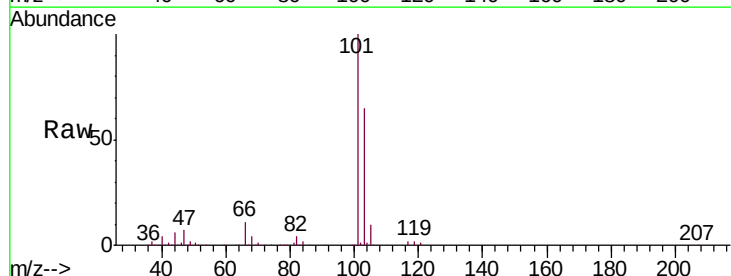
Instrument :
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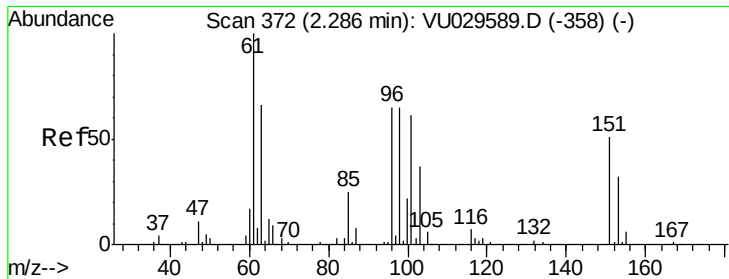
Tgt Ion: 64 Resp: 70441
Ion Ratio Lower Upper
64 100
66 32.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.390 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

Tgt Ion: 101 Resp: 162328
Ion Ratio Lower Upper
101 100
103 64.9 52.5 78.7





#10

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

Concen: 4.481 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

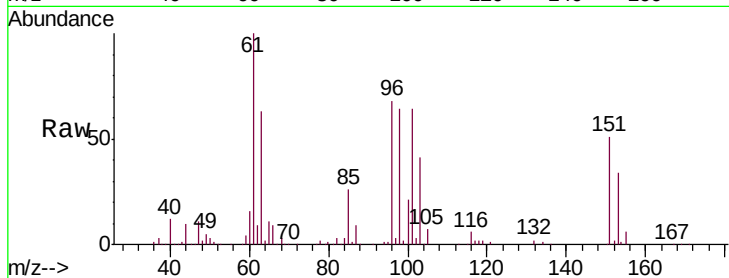
Tgt Ion: 101 Resp: 102248

Ion Ratio Lower Upper

101 100

85 42.0 32.8 49.2

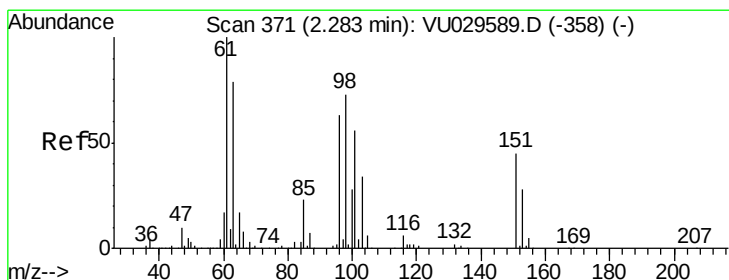
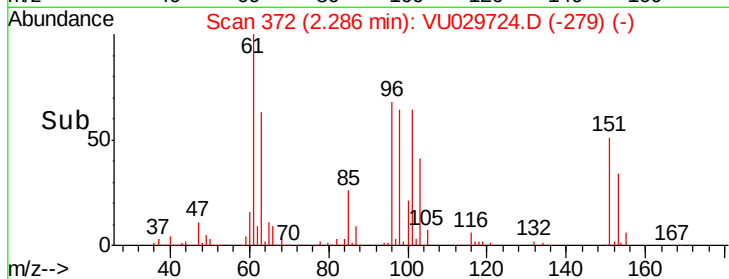
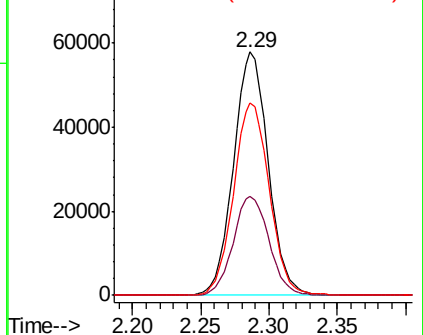
151 81.4 65.9 98.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.582 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

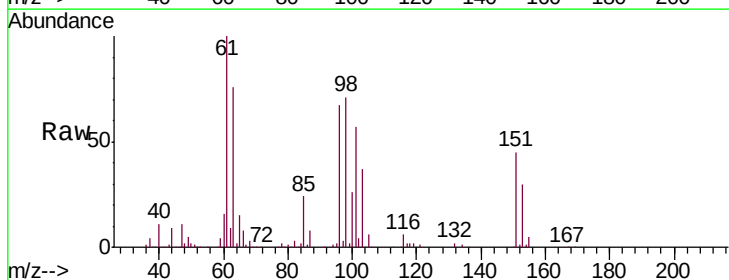
Tgt Ion: 96 Resp: 99389

Ion Ratio Lower Upper

96 100

61 148.8 111.3 206.7

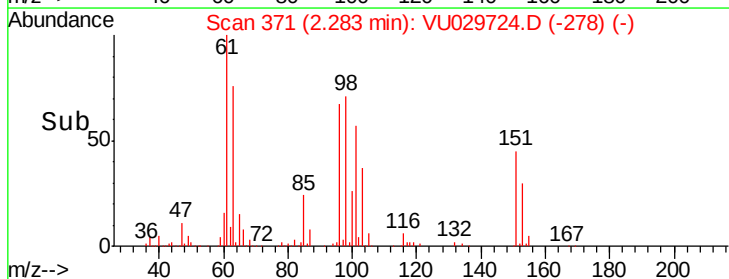
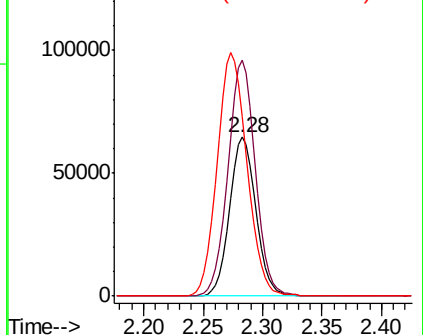
63 113.0 88.5 164.3

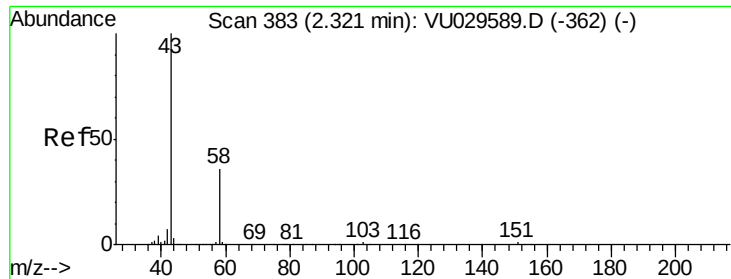


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 40.860 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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Acq: 28 Feb 2019 09:32

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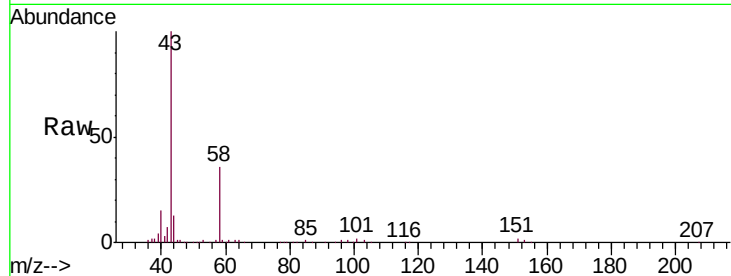
VSTD00542

Tgt Ion: 43 Resp: 126740

Ion Ratio Lower Upper

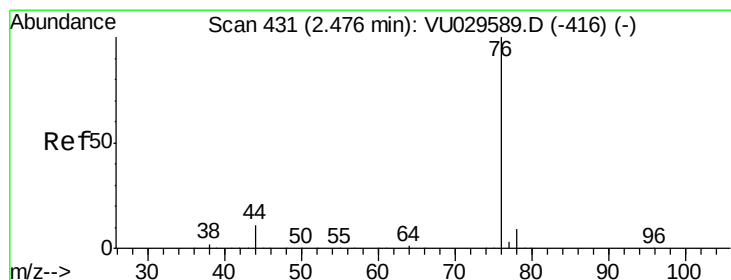
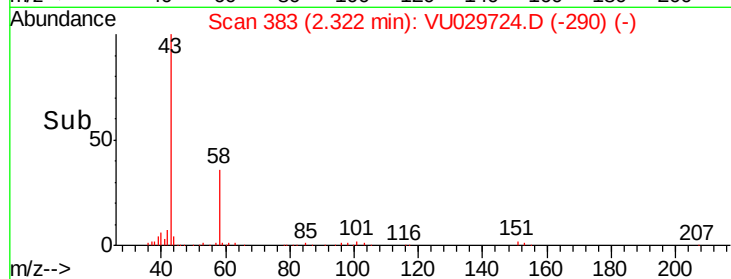
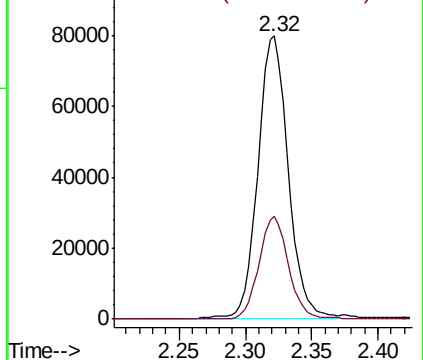
43 100

58 35.9 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU029589.D (-362) (-)

Ion 58.05 (57.75 to 58.75): VU029589.D (-362) (-)



#14

Carbon disulfide

Concen: 4.455 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029724.D

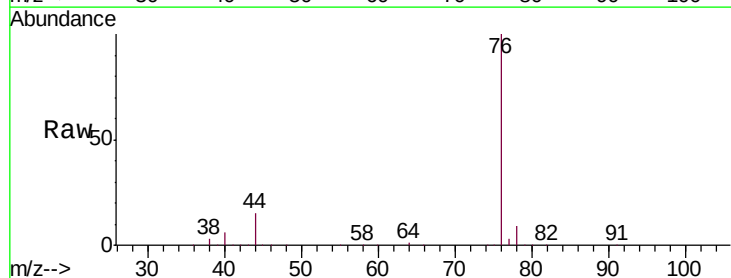
Acq: 28 Feb 2019 09:32

Tgt Ion: 76 Resp: 317398

Ion Ratio Lower Upper

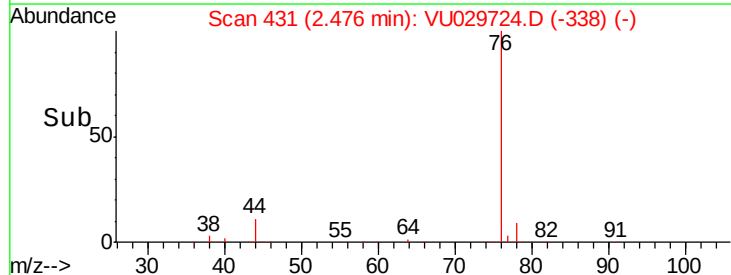
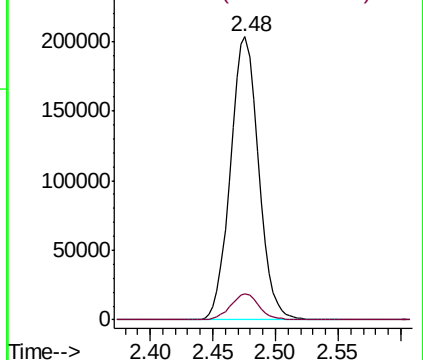
76 100

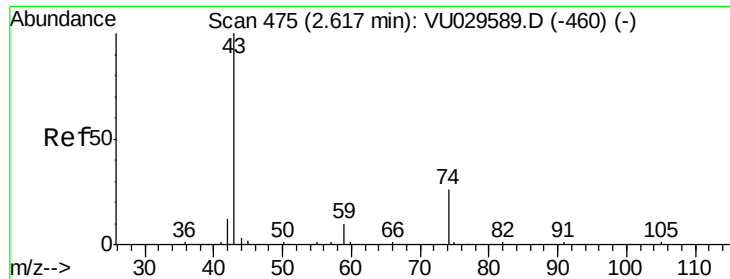
78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU029589.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU029589.D (-416) (-)

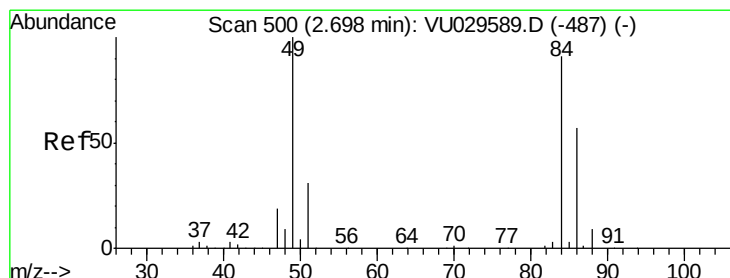
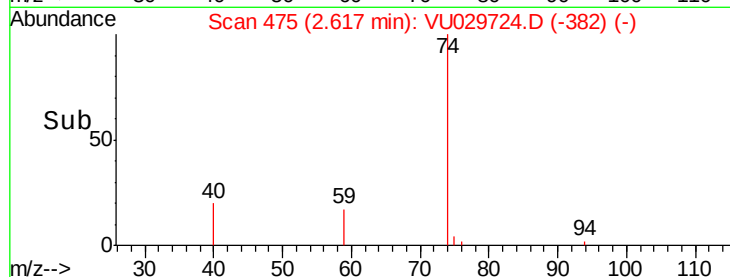
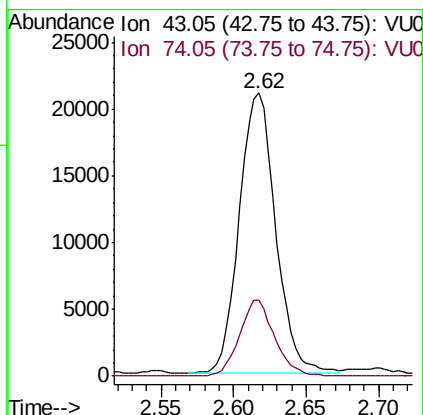
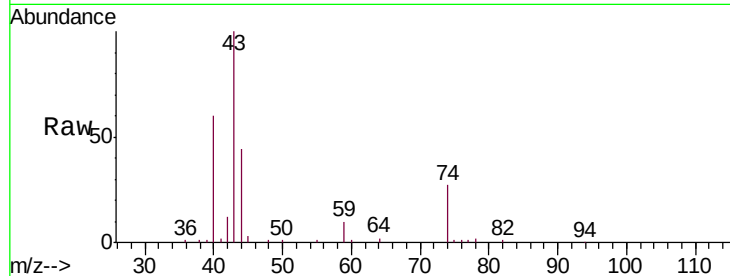




#15
Methyl Acetate
Concen: 4.052 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

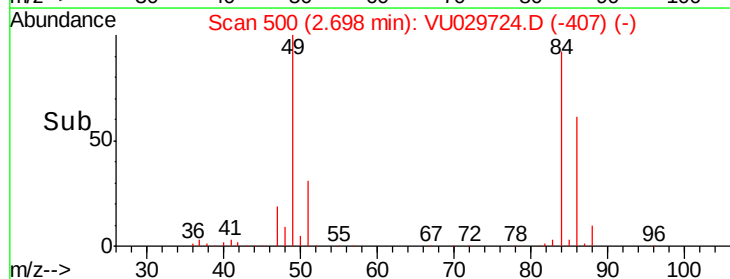
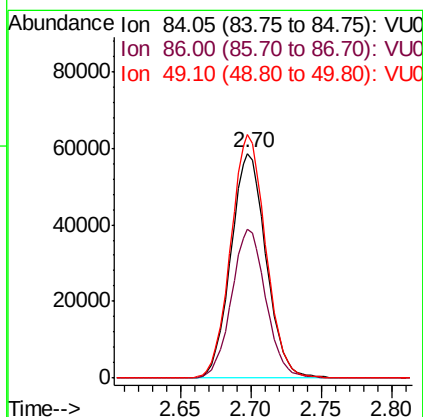
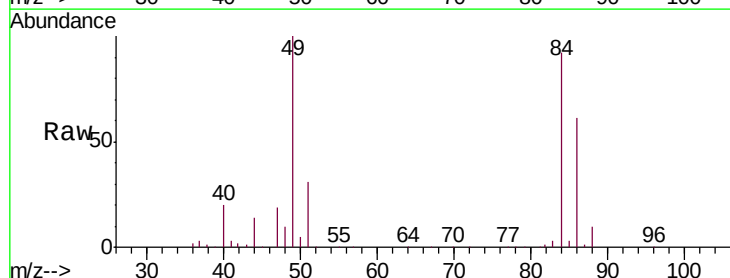
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

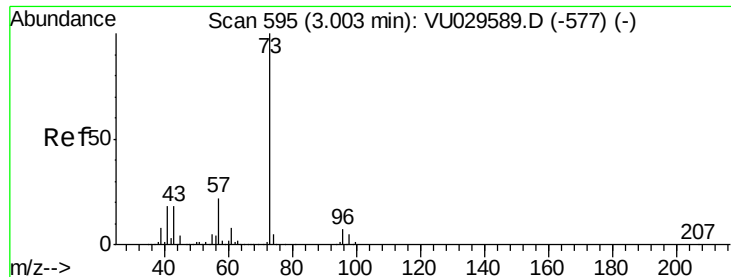
Tgt Ion: 43 Resp: 36670
Ion Ratio Lower Upper
43 100
74 26.2 21.6 32.4



#16
Methylene chloride
Concen: 4.001 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

Tgt Ion: 84 Resp: 102630
Ion Ratio Lower Upper
84 100
86 66.1 44.2 82.0
49 108.4 77.3 143.5

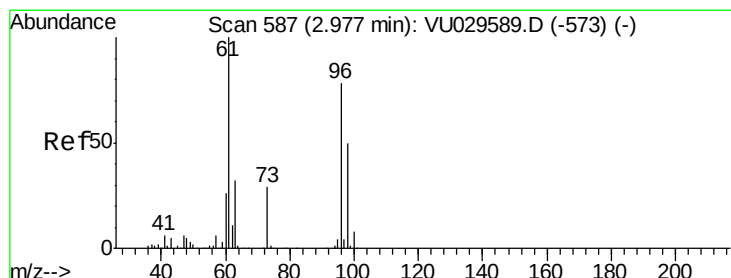
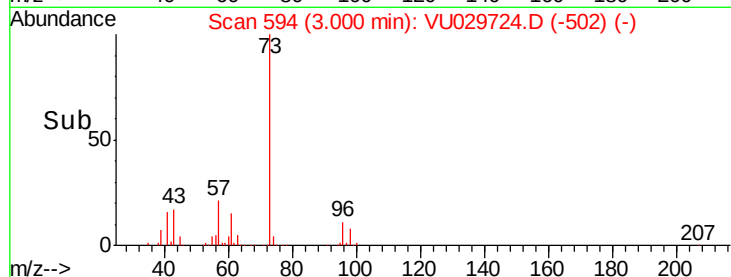
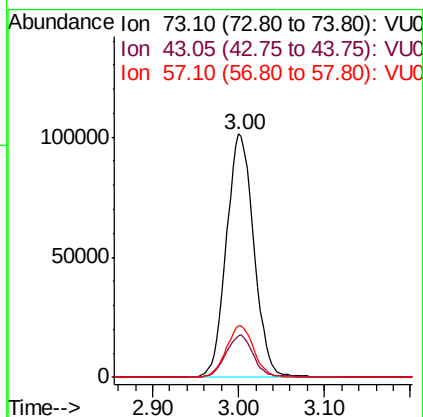
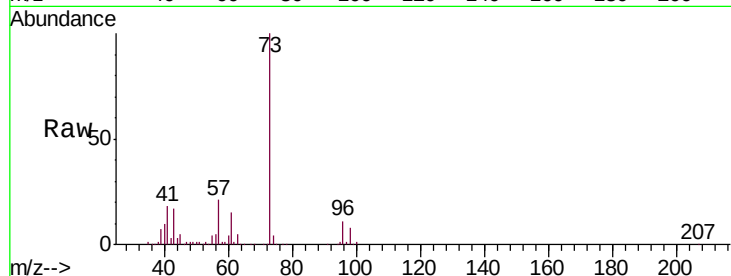




#17
Methyl tert-butyl Ether
Concen: 4.342 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

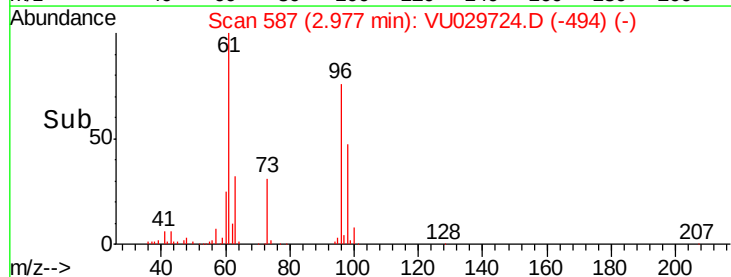
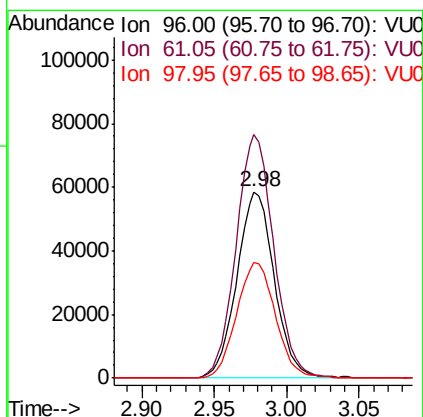
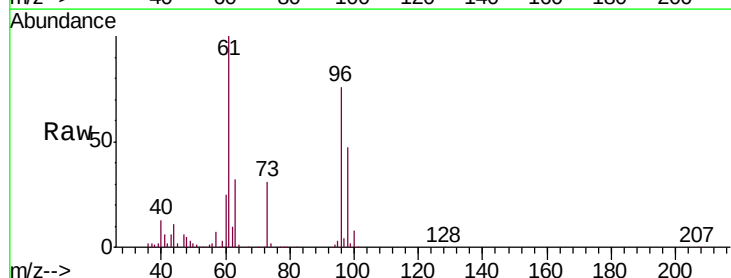
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

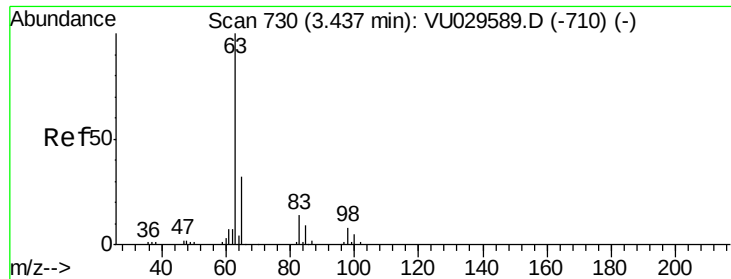
Tgt Ion	Ratio	Lower	Upper
73	100		
43	16.7	13.8	20.8
57	21.2	17.4	26.2



#18
trans-1,2-Dichloroethene
Concen: 4.450 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.9	90.3	167.7
98	62.1	45.2	84.0

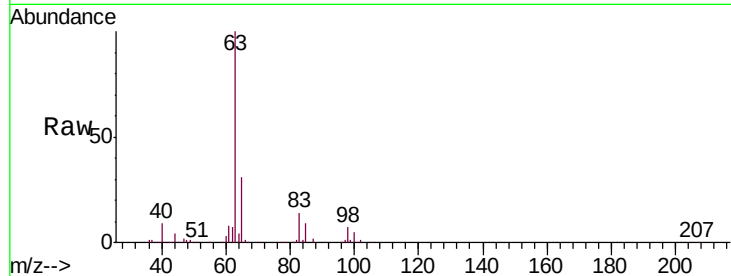




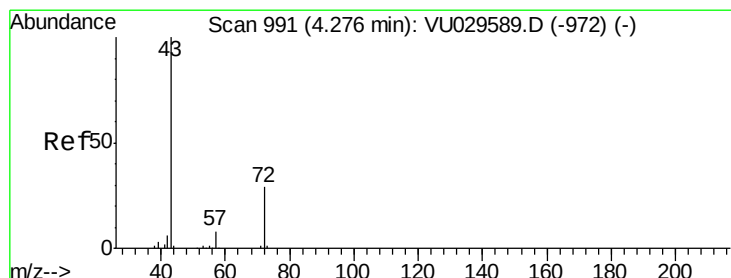
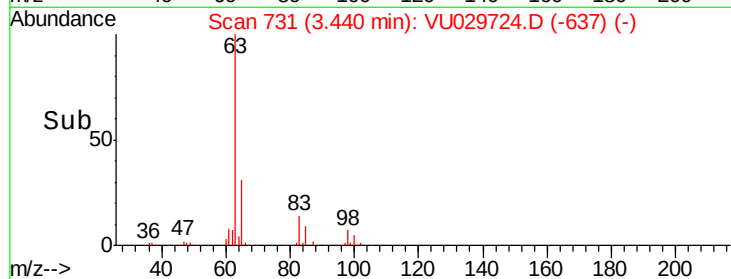
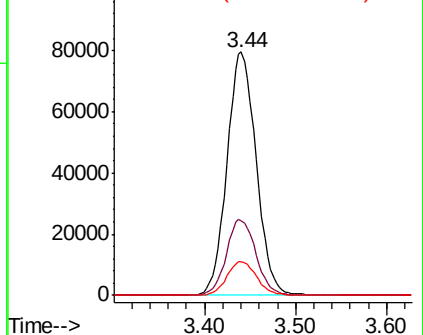
#19
 1,1-Dichloroethane
 Concen: 4.825 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion: 63 Resp: 177348
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.3 41.5
 83 13.9 9.9 18.5

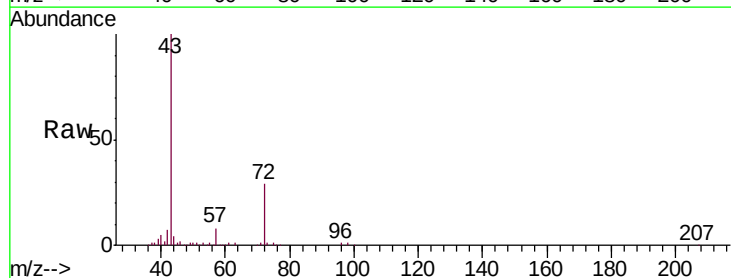


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

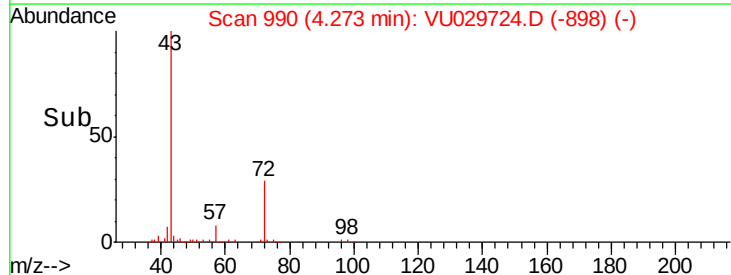
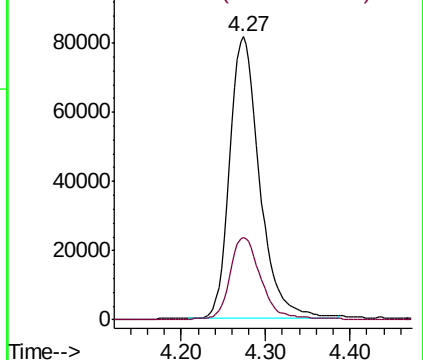


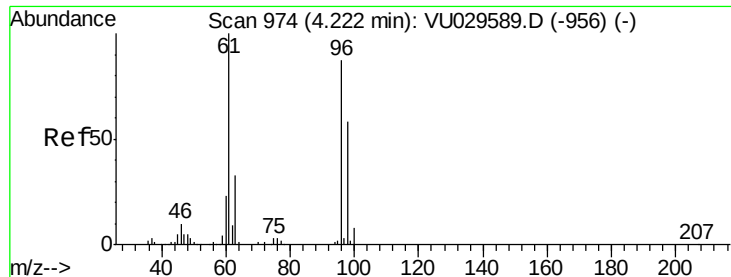
#21
 2-Butanone
 Concen: 46.914 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Tgt Ion: 43 Resp: 201909
 Ion Ratio Lower Upper
 43 100
 72 30.6 15.4 46.4



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



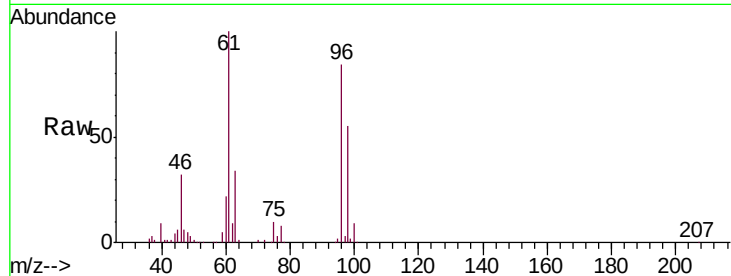


#22

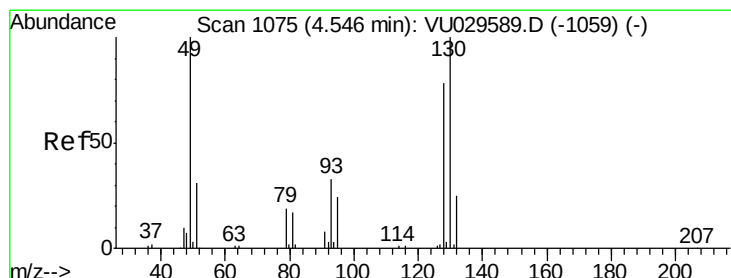
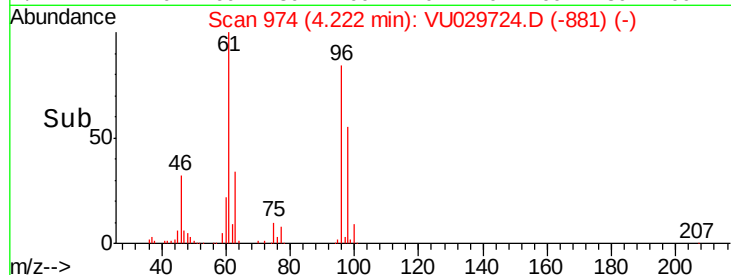
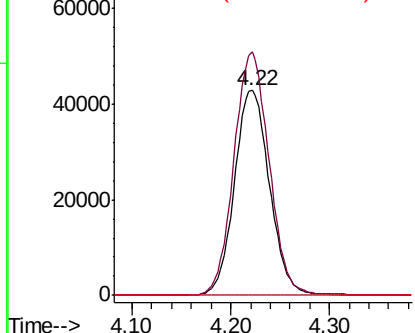
cis-1,2-Dichloroethene
 Concen: 4.916 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion: 96 Resp: 106271
 Ion Ratio Lower Upper
 96 100
 61 118.8 80.2 149.0
 68 0.0 0.0 0.0



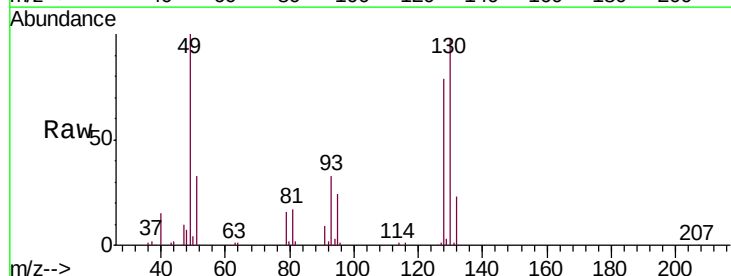
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



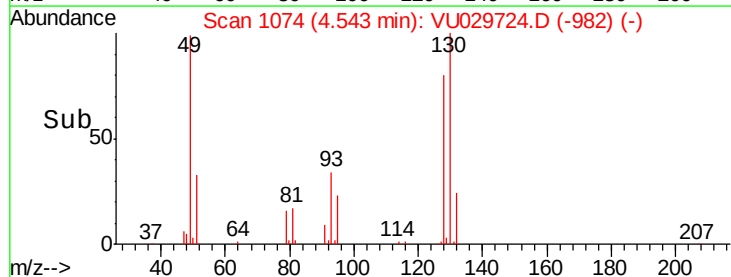
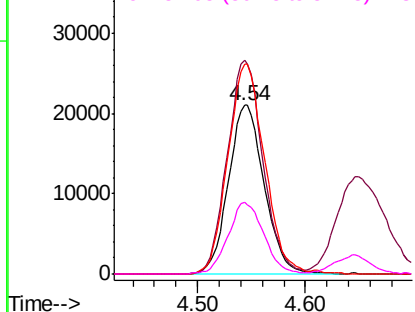
#23

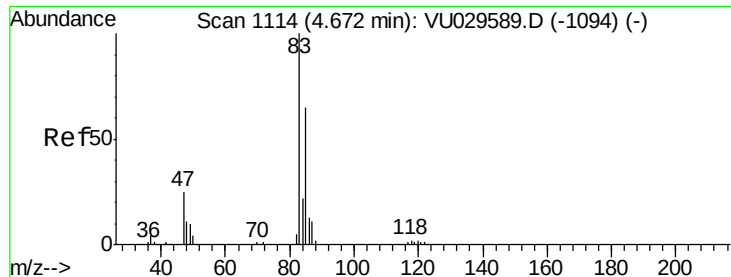
Bromochloromethane
 Concen: 4.975 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Tgt Ion: 128 Resp: 48529
 Ion Ratio Lower Upper
 128 100
 49 126.7 89.6 166.4
 130 124.8 90.1 167.3
 51 42.2 31.6 47.4



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

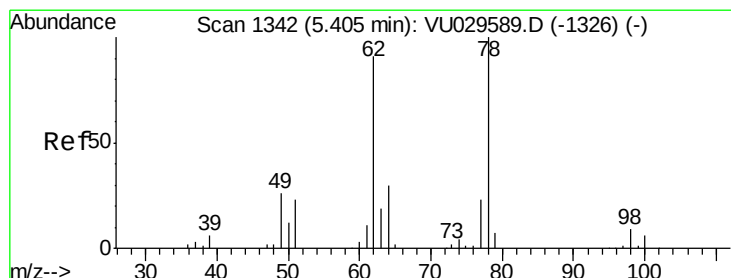
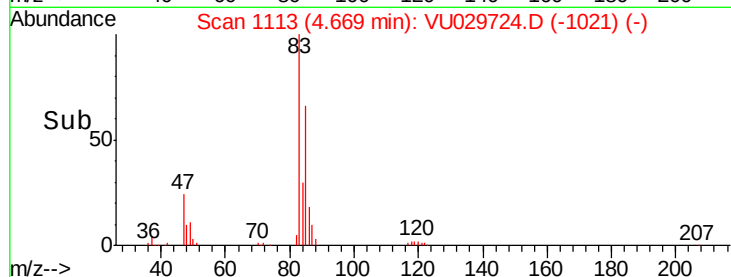
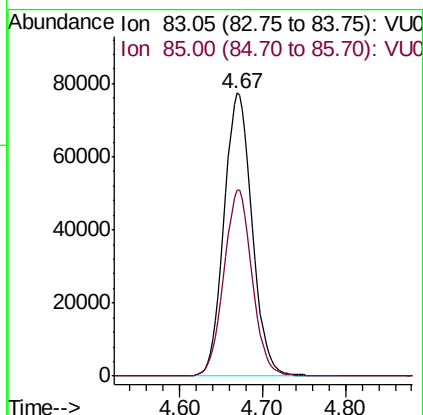
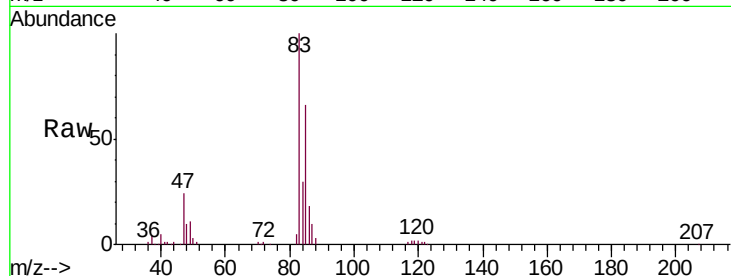




#25
Chloroform
Concen: 4.958 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

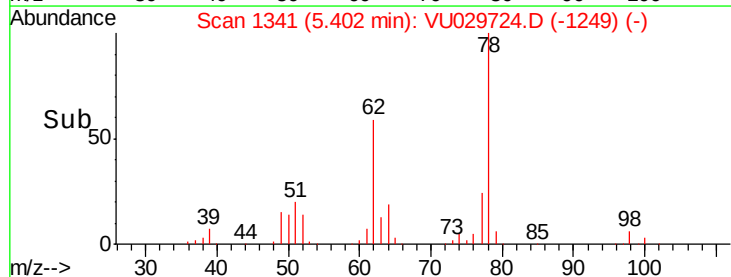
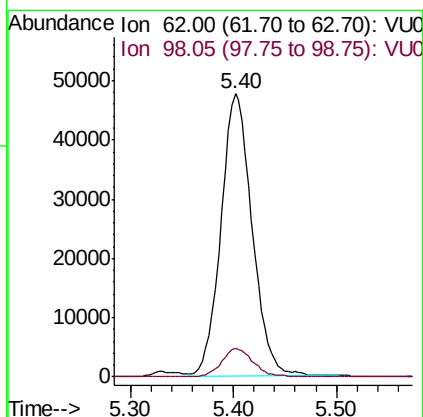
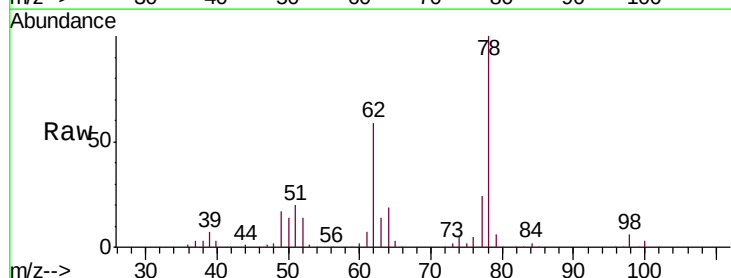
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

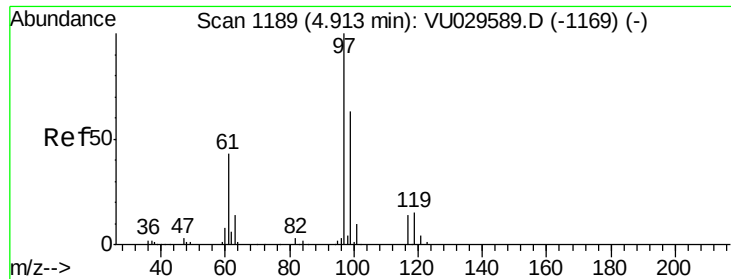
Tgt Ion: 83 Resp: 182417
Ion Ratio Lower Upper
83 100
85 65.9 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.623 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

Tgt Ion: 62 Resp: 100454
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4

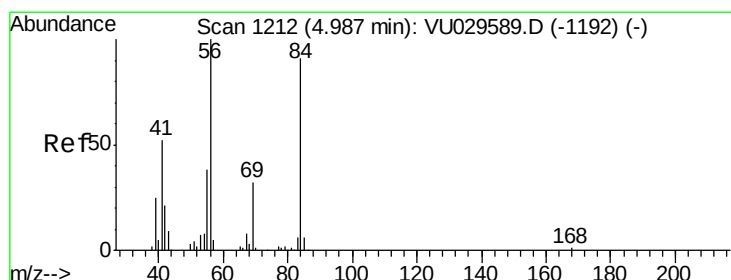
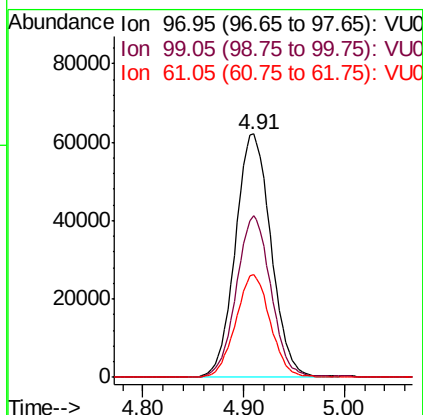
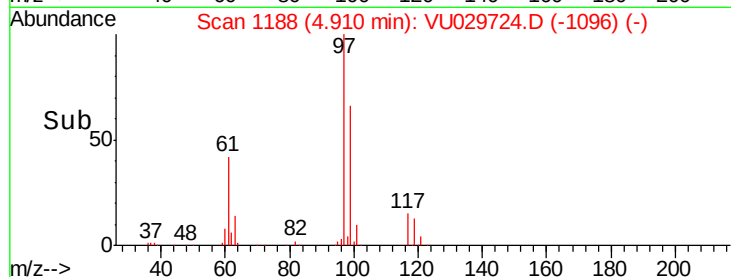
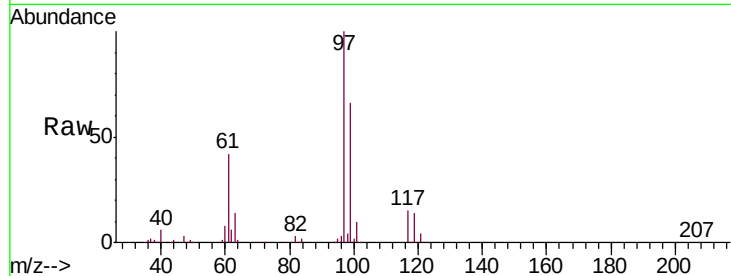




#29
 1,1,1-Trichloroethane
 Concen: 5.180 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

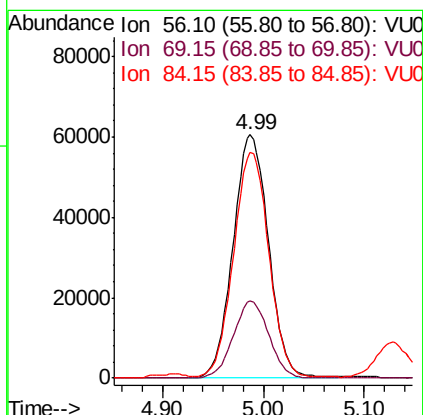
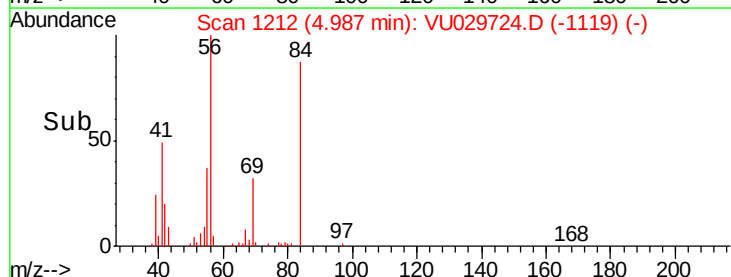
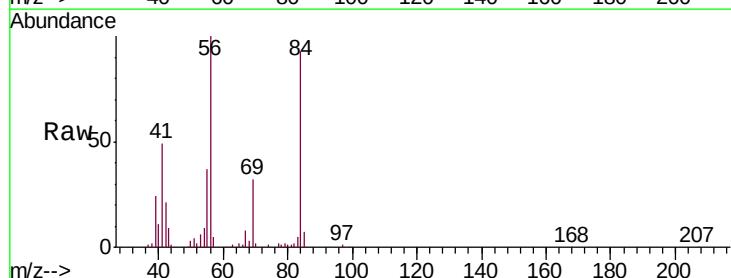
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

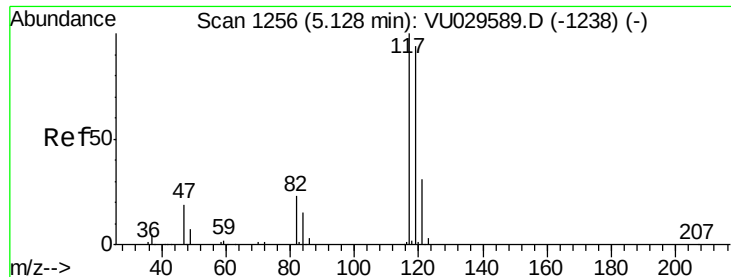
Tgt Ion: 97 Resp: 152195
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.2 78.2
 61 40.9 33.5 50.3



#30
 Cyclohexane
 Concen: 5.083 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Tgt Ion: 56 Resp: 147797
 Ion Ratio Lower Upper
 56 100
 69 31.6 25.8 38.8
 84 91.9 73.5 110.3

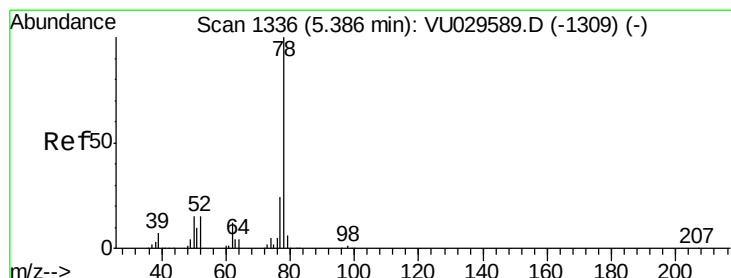
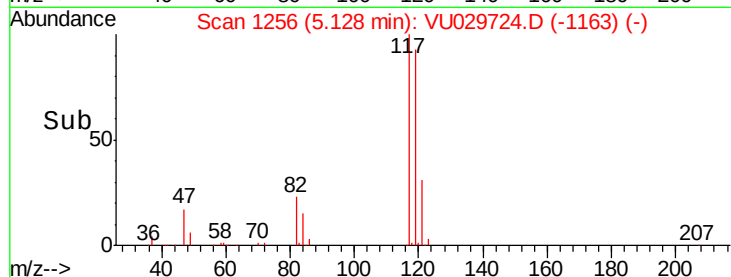
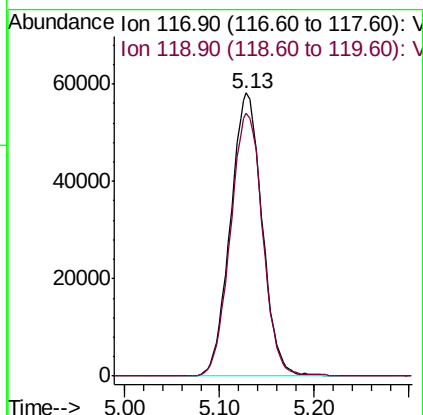
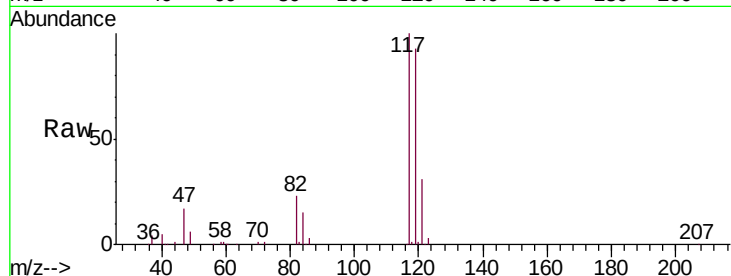




#31
Carbon tetrachloride
Concen: 5.294 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

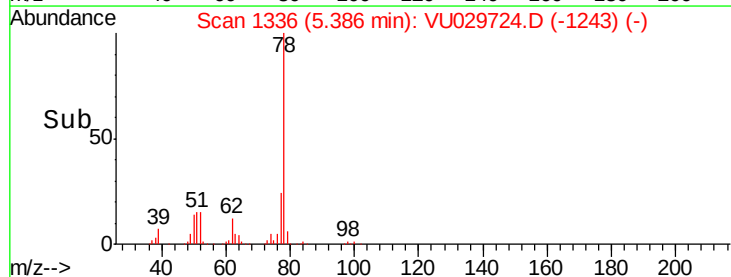
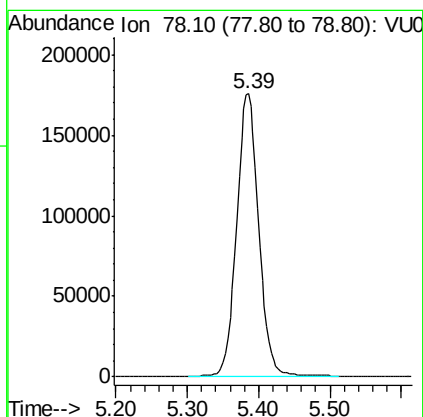
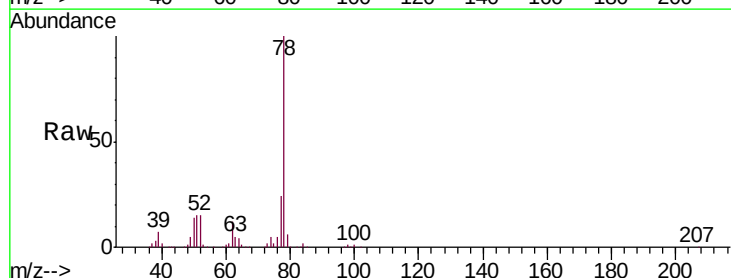
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

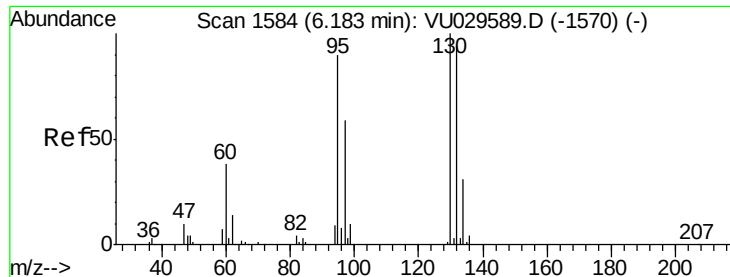
Tgt Ion:117 Resp: 135379
Ion Ratio Lower Upper
117 100
119 94.2 75.8 113.8



#33
Benzene
Concen: 5.131 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

Tgt Ion: 78 Resp: 383264





#34

Trichloroethene

Concen: 5.023 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

Tgt Ion: 95 Resp: 104735

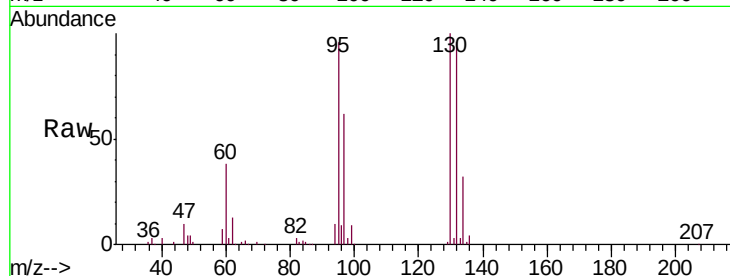
Ion Ratio Lower Upper

95 100

97 64.9 45.6 84.8

132 99.7 72.9 135.3

130 104.1 77.5 143.9

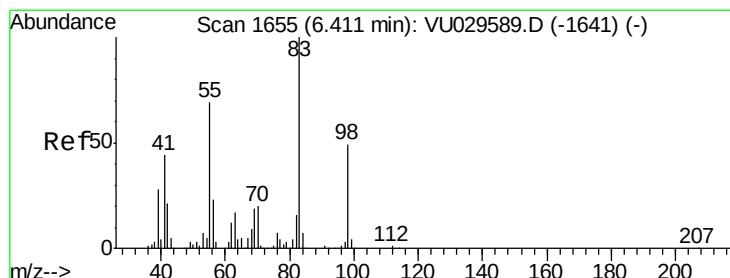
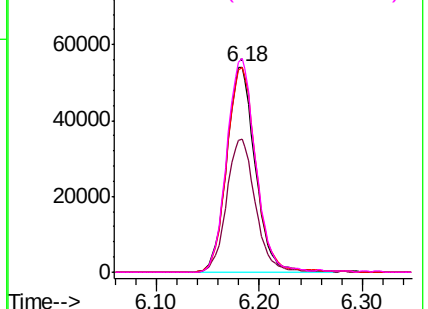
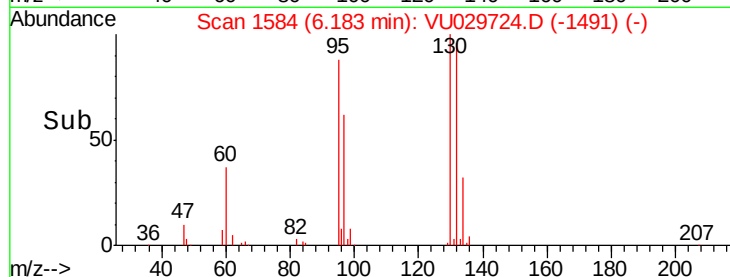


Abundance Ion 95.00 (94.70 to 95.70): VU029724.D (-1570) (-)

Ion 96.95 (96.65 to 97.65): VU029724.D (-1570) (-)

Ion 131.95 (131.65 to 132.65): VU029724.D (-1570) (-)

Ion 129.95 (129.65 to 130.65): VU029724.D (-1570) (-)



#35

Methylcyclohexane

Concen: 5.115 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

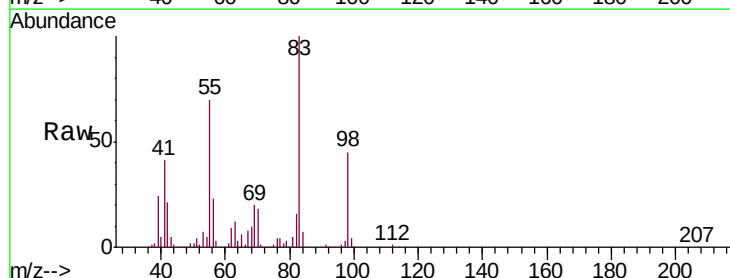
Tgt Ion: 83 Resp: 172991

Ion Ratio Lower Upper

83 100

55 70.0 56.5 84.7

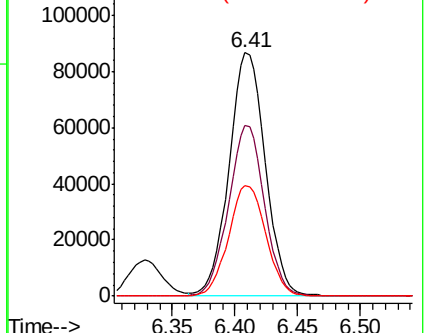
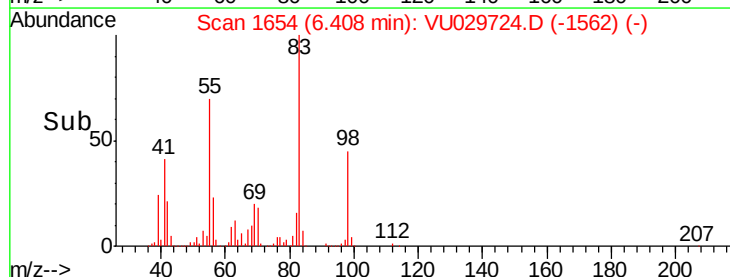
98 47.1 39.4 59.2

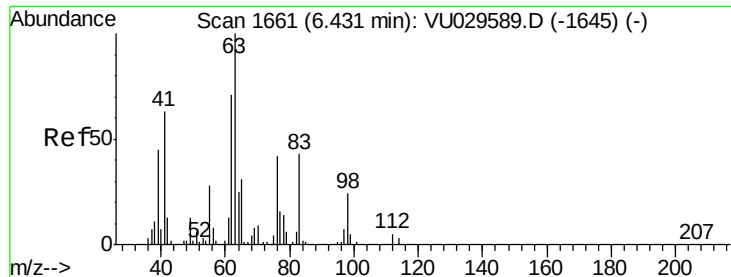


Abundance Ion 83.15 (82.85 to 83.85): VU029724.D (-1562) (-)

Ion 55.10 (54.80 to 55.80): VU029724.D (-1562) (-)

Ion 98.15 (97.85 to 98.85): VU029724.D (-1562) (-)

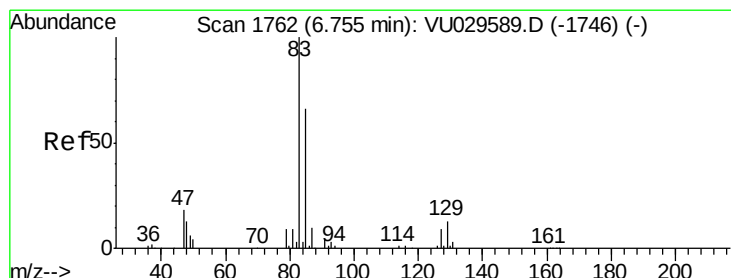
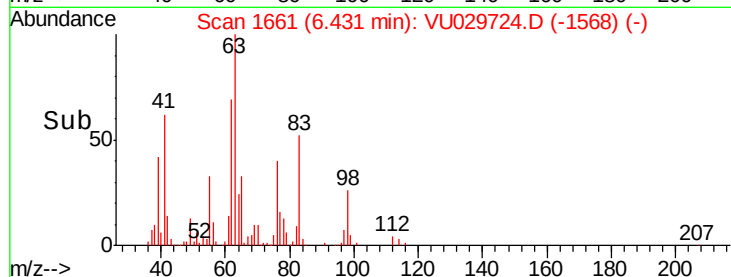
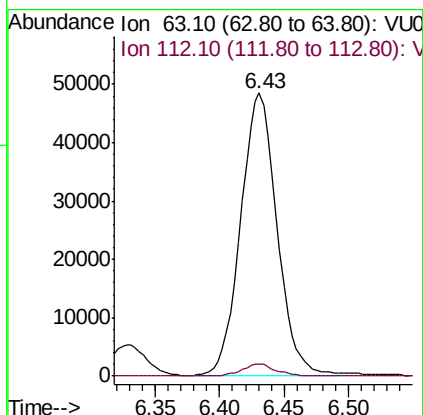
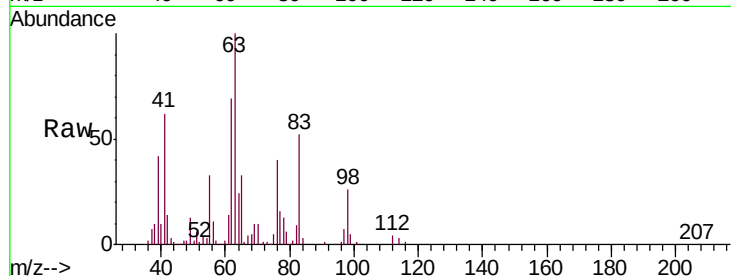




#37
 1,2-Dichloropropane
 Concen: 5.033 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

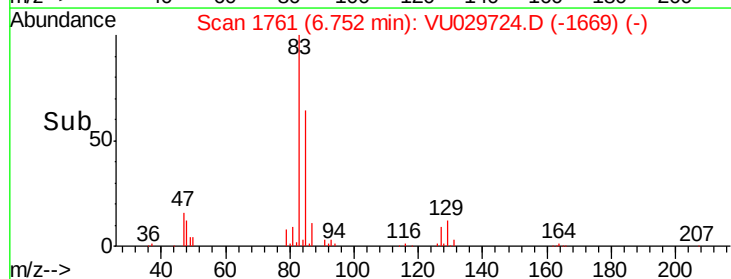
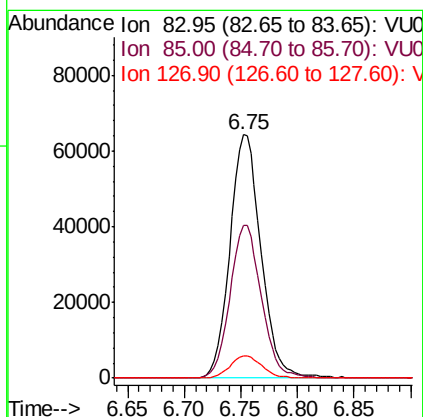
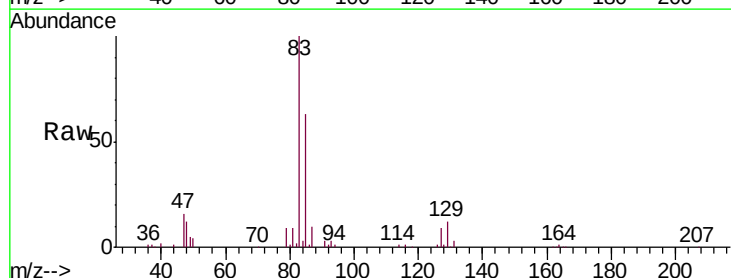
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00542

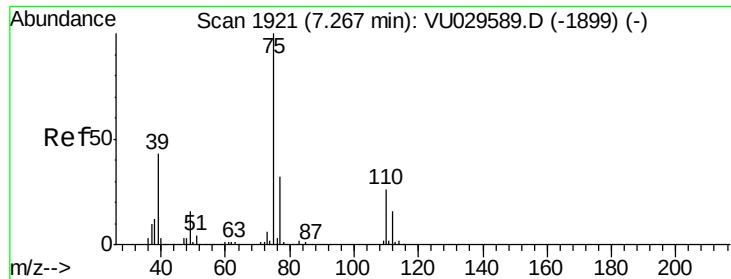
Tgt Ion: 63 Resp: 94704
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.240 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Tgt Ion: 83 Resp: 123082
 Ion Ratio Lower Upper
 83 100
 85 62.8 46.1 85.5
 127 9.0 7.5 11.3

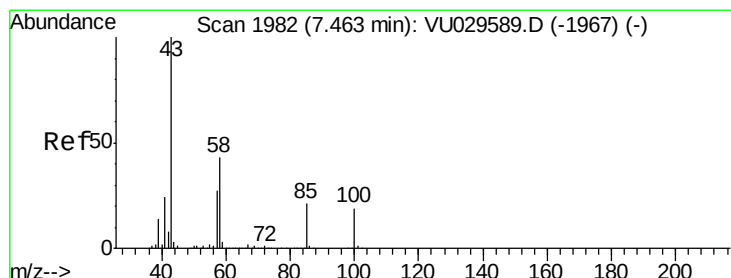
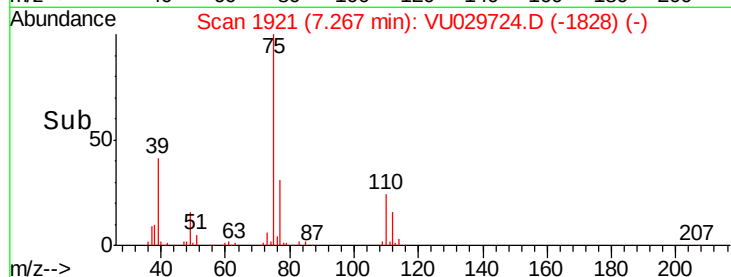
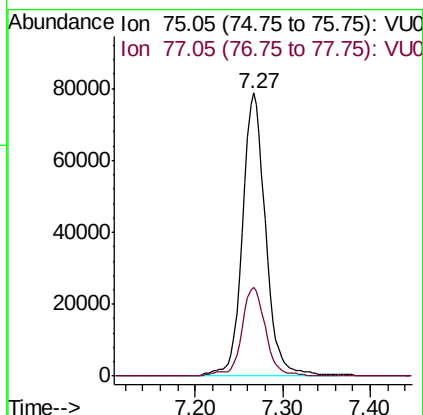
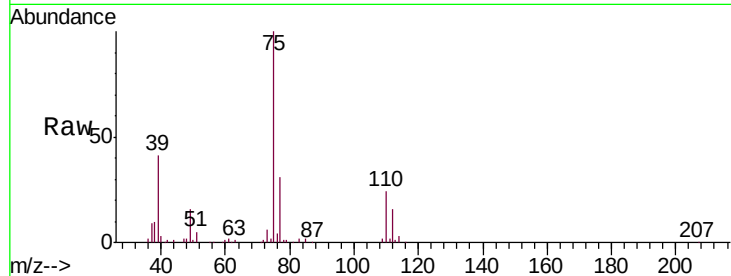




#39
 cis-1,3-Dichloropropene
 Concen: 5.273 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

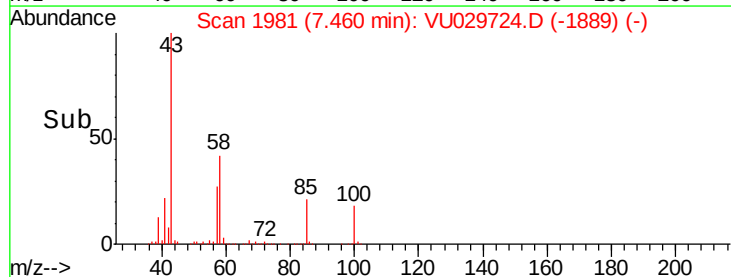
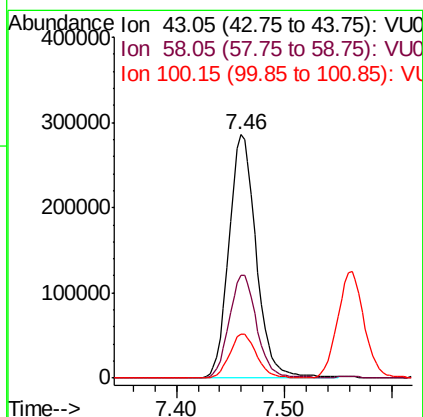
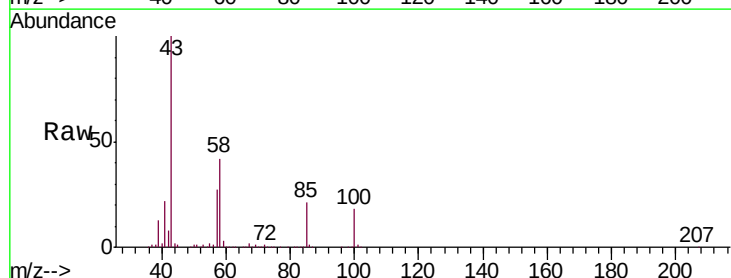
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

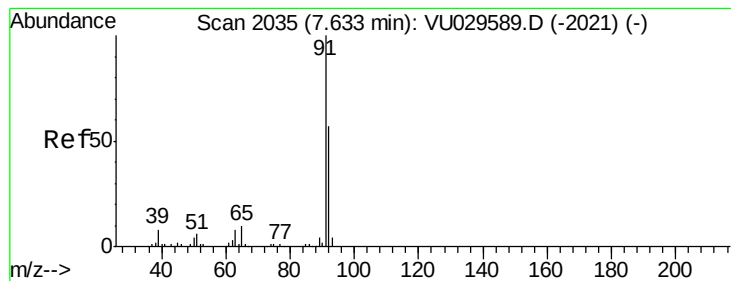
Tgt Ion: 75 Resp: 145234
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 47.824 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Tgt Ion: 43 Resp: 505782
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.8 50.8
 100 17.9 14.2 21.2





#42

Toluene

Concen: 5.005 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

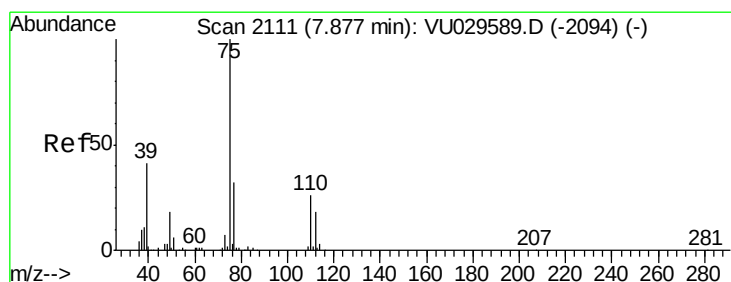
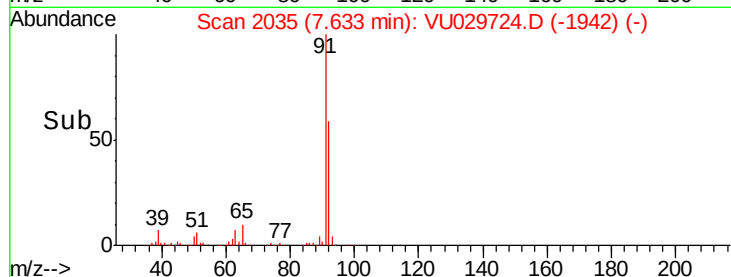
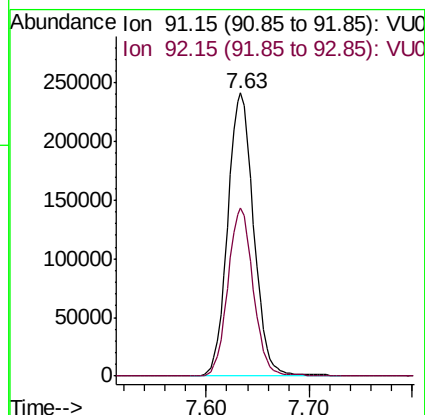
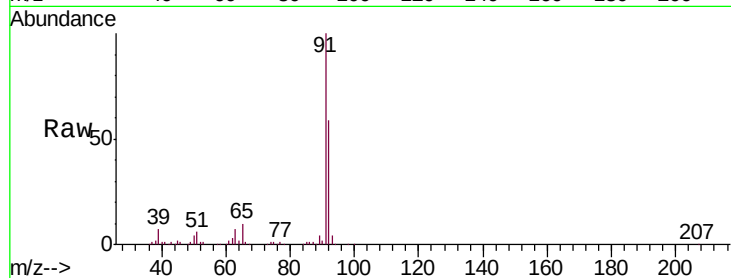
VSTD00542

Tgt Ion: 91 Resp: 424046

Ion Ratio Lower Upper

91 100

92 59.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 5.142 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029724.D

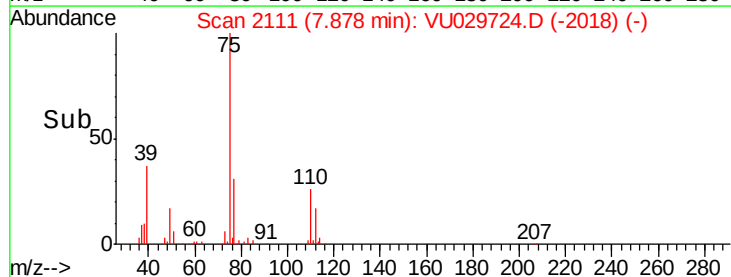
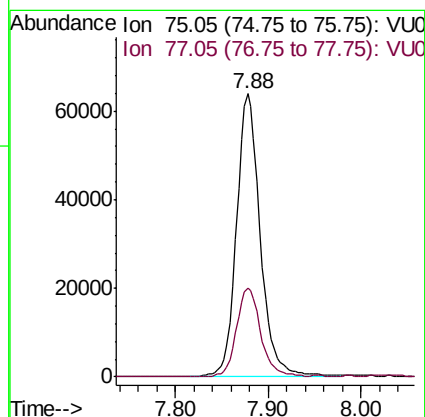
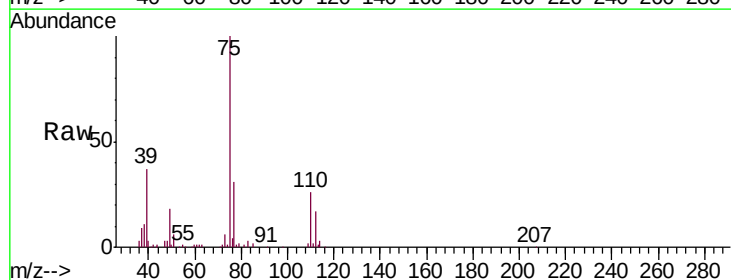
Acq: 28 Feb 2019 09:32

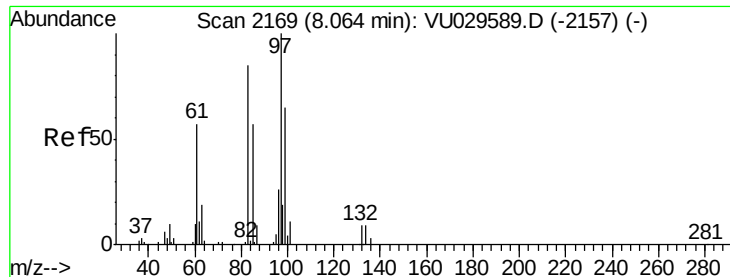
Tgt Ion: 75 Resp: 113678

Ion Ratio Lower Upper

75 100

77 31.4 22.2 41.2

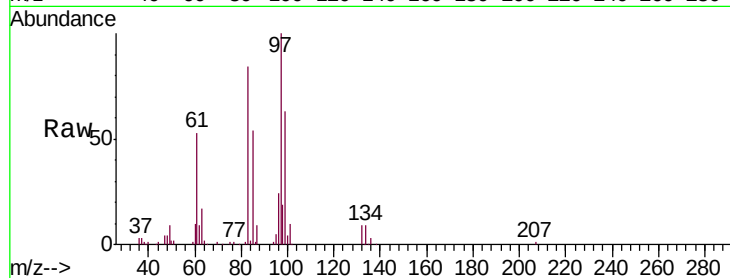




#45
 1,1,2-Trichloroethane
 Concen: 4.818 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion:	97	Resp:	70987
Ion	Ratio	Lower	Upper
97	100		
99	62.5	45.3	84.1
83	84.1	59.6	110.6
85	54.2	39.8	74.0



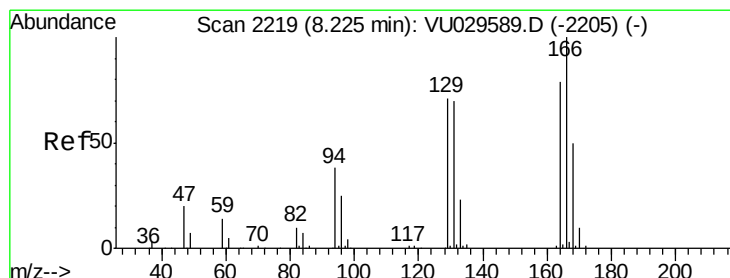
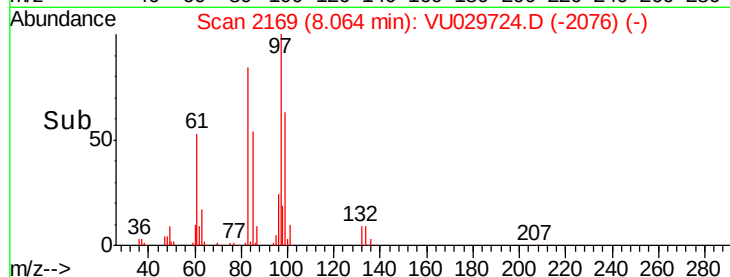
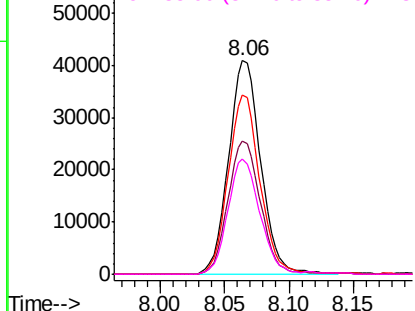
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

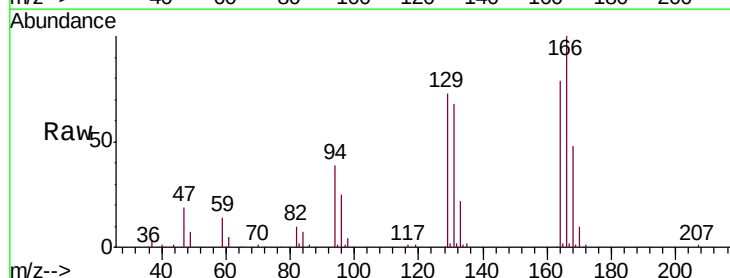
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.855 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Tgt Ion:	164	Resp:	94013
Ion	Ratio	Lower	Upper
164	100		
129	91.8	62.9	116.7
131	85.4	61.8	114.8
166	126.0	88.8	164.8



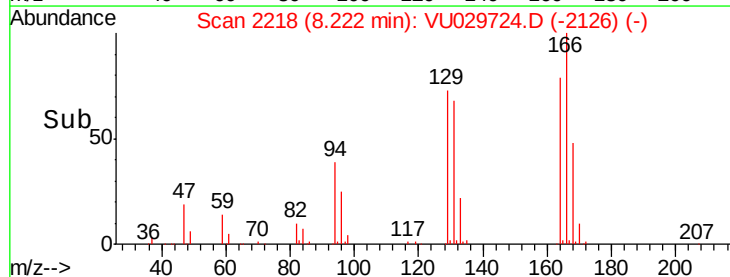
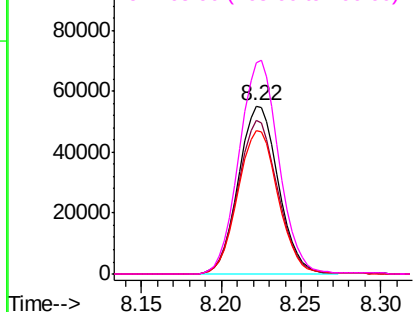
Abundance

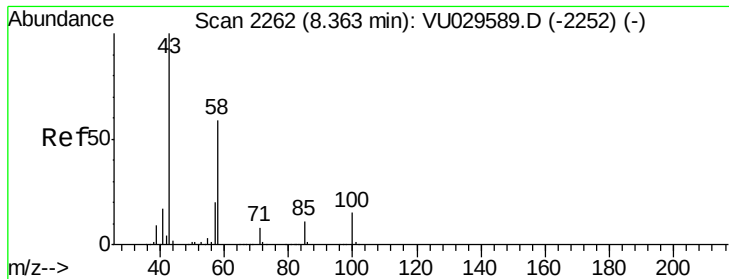
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

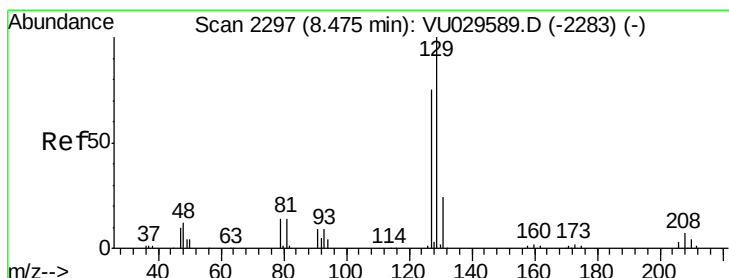
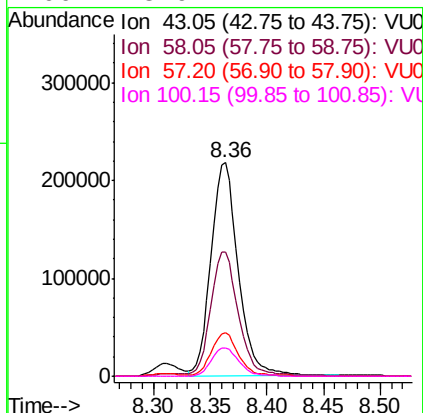
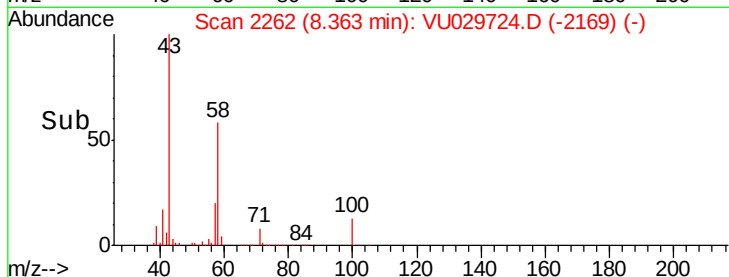
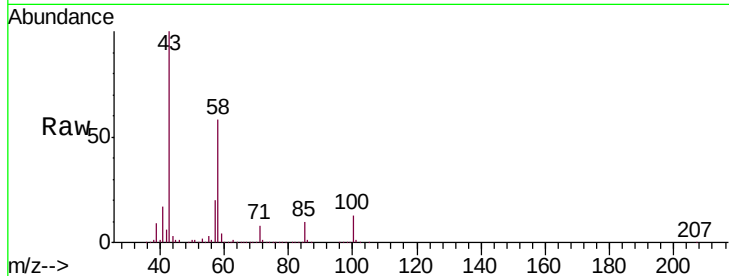




#48
2-Hexanone
Concen: 46.933 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

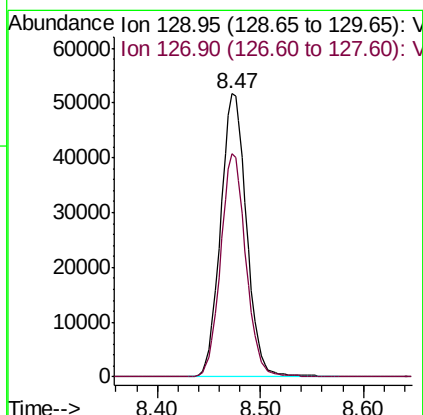
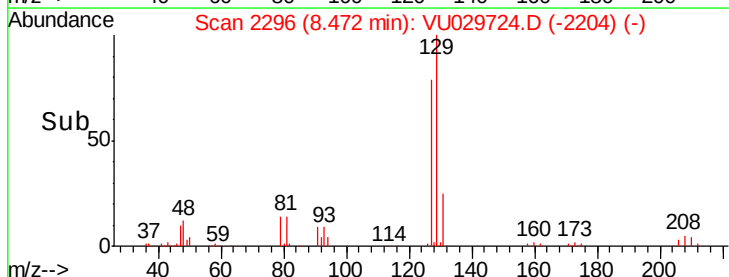
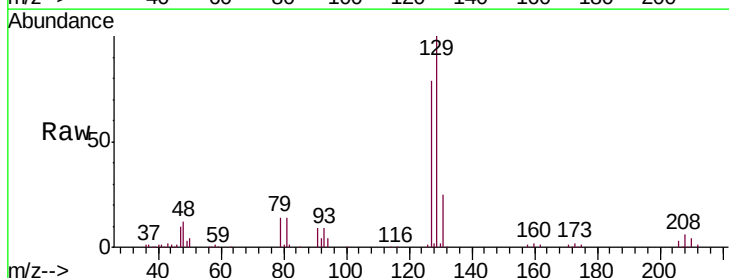
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

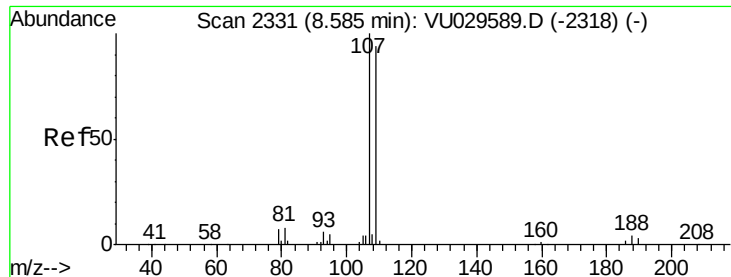
Tgt Ion:	43	Resp:	363012
Ion	Ratio	Lower	Upper
43	100		
58	58.9	46.6	69.8
57	20.5	15.9	23.9
100	13.9	11.4	17.2



#49
Dibromochloromethane
Concen: 5.073 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

Tgt Ion:	129	Resp:	90559
Ion	Ratio	Lower	Upper
129	100		
127	79.0	52.5	97.5

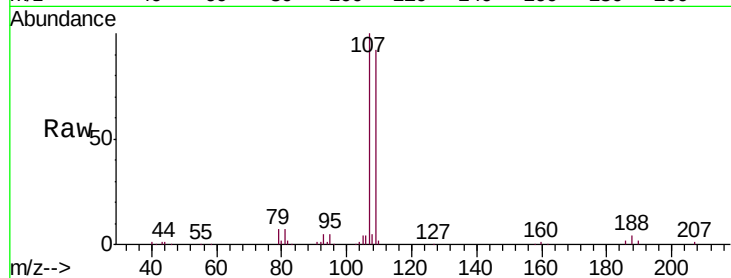




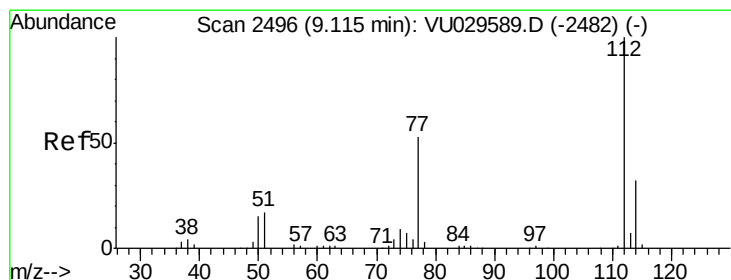
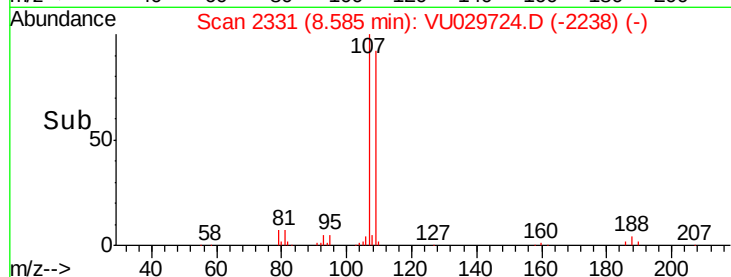
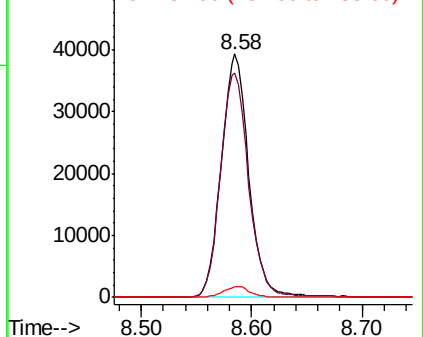
#50
1,2-Dibromoethane
Concen: 4.715 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Tgt Ion:107 Resp: 68018
Ion Ratio Lower Upper
107 100
109 92.4 65.8 122.2
188 4.3 3.3 4.9

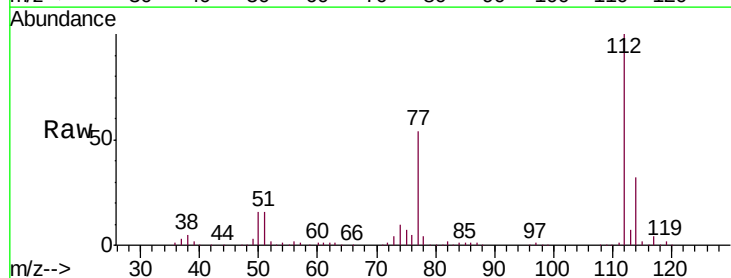


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

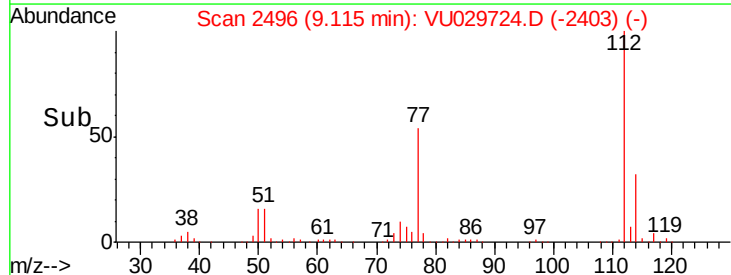
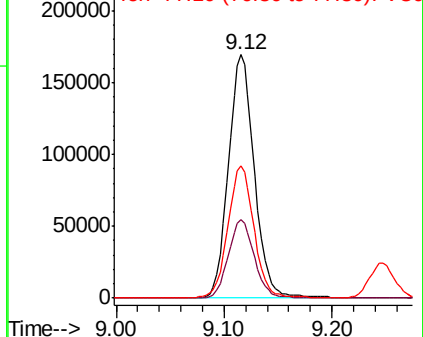


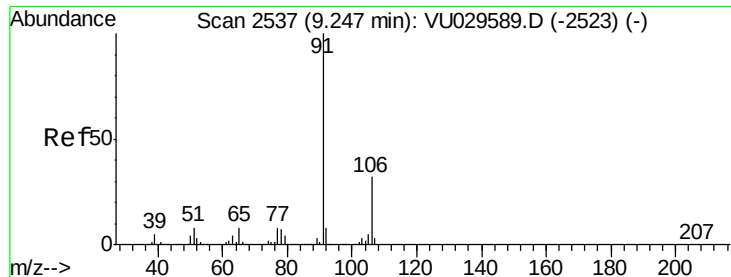
#51
Chlorobenzene
Concen: 4.873 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029724.D
Acq: 28 Feb 2019 09:32

Tgt Ion:112 Resp: 283611
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.3
77 54.3 42.7 64.1



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: 4.973 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

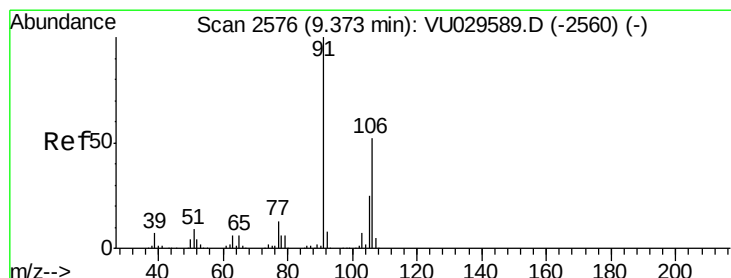
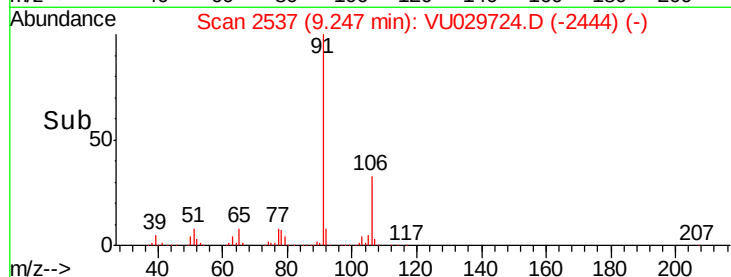
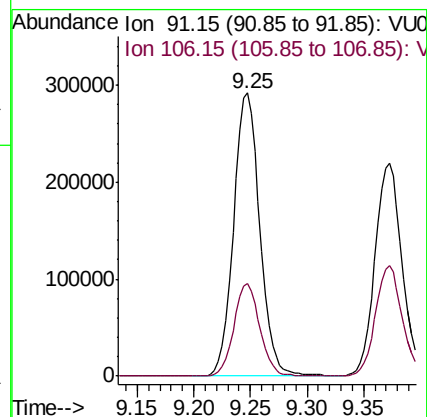
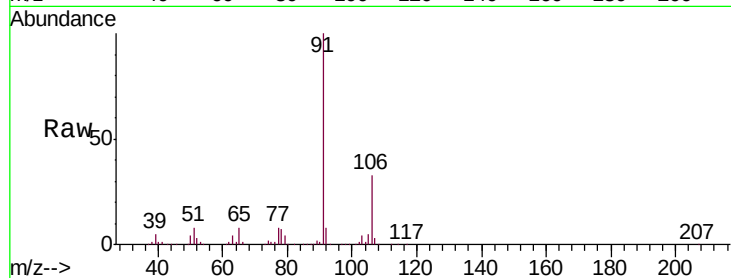
VSTD00542

Tgt Ion: 91 Resp: 471202

Ion Ratio Lower Upper

91 100

106 32.6 22.1 41.1



#53

m,p-xylene

Concen: 4.923 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029724.D

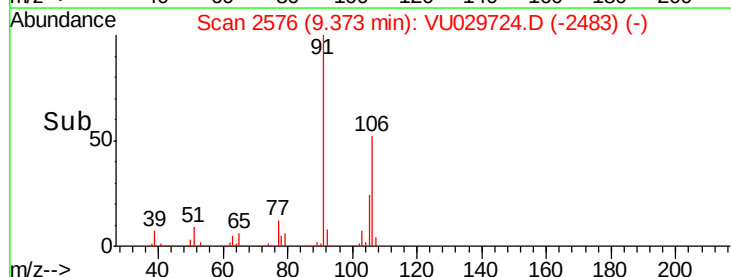
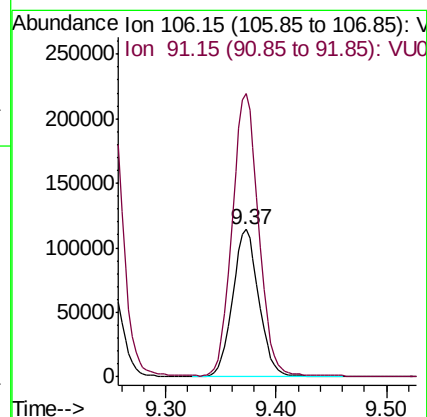
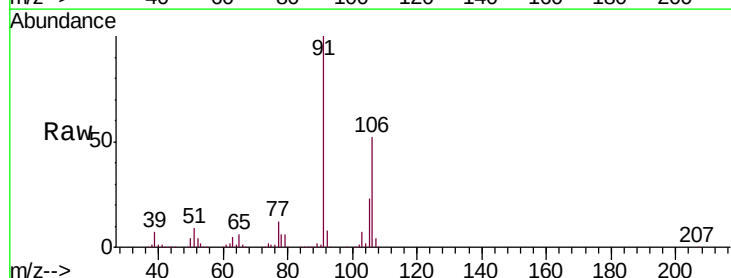
Acq: 28 Feb 2019 09:32

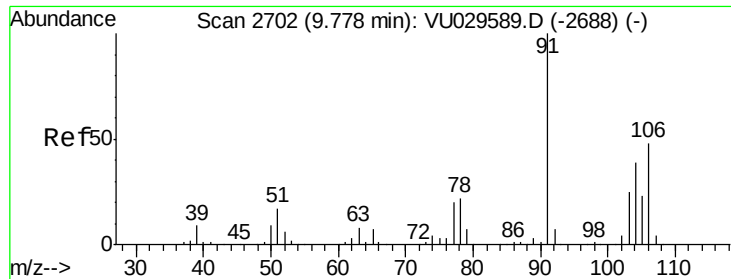
Tgt Ion: 106 Resp: 187031

Ion Ratio Lower Upper

106 100

91 192.4 136.0 252.6





#54

o-xylene

Concen: 4.948 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

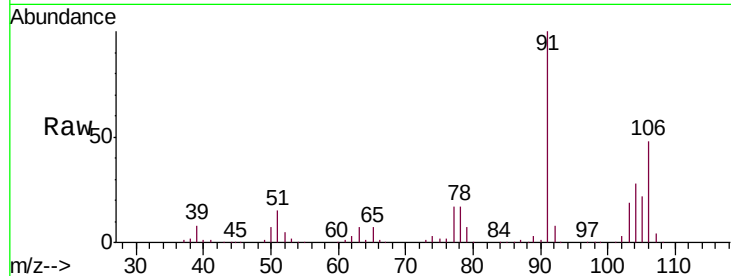
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Tgt Ion:106 Resp: 181017

Ion Ratio Lower Upper

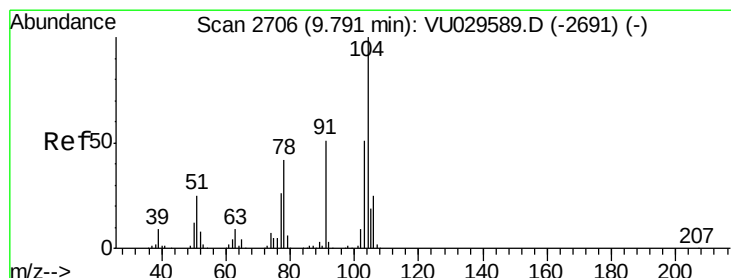
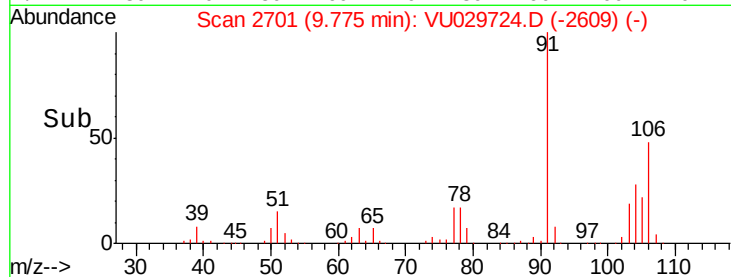
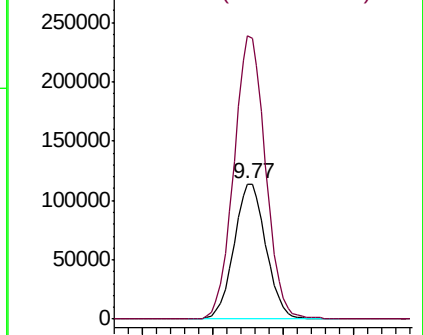
106 100

91 209.0 145.7 270.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.983 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029724.D

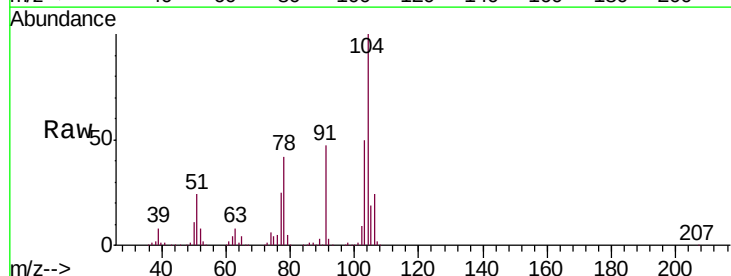
Acq: 28 Feb 2019 09:32

Tgt Ion:104 Resp: 304539

Ion Ratio Lower Upper

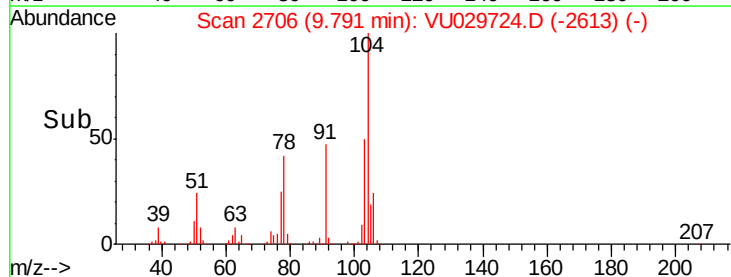
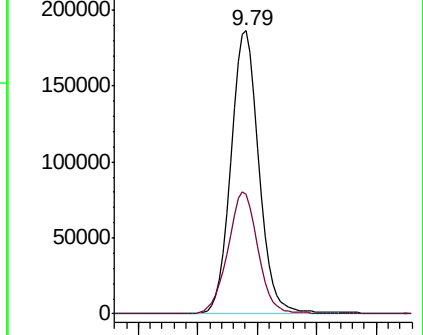
104 100

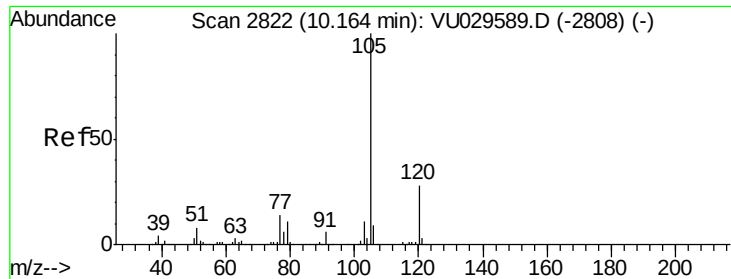
78 42.2 29.2 54.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.888 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

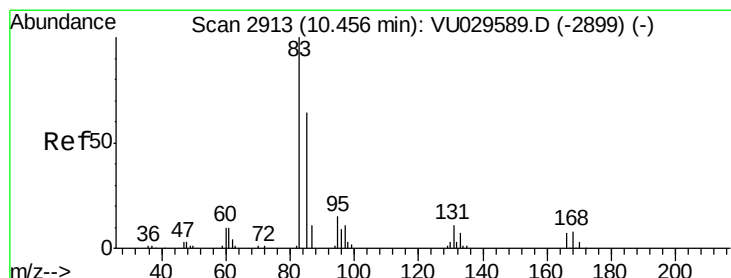
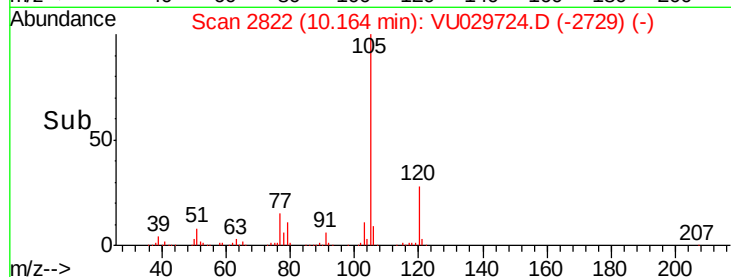
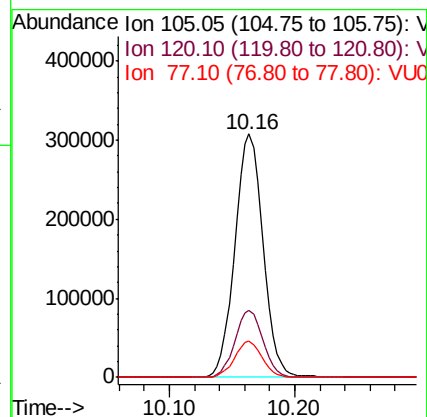
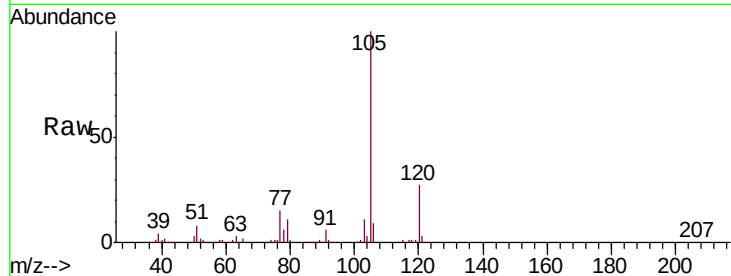
Tgt Ion: 105 Resp: 479853

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

77 14.6 11.5 17.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.746 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

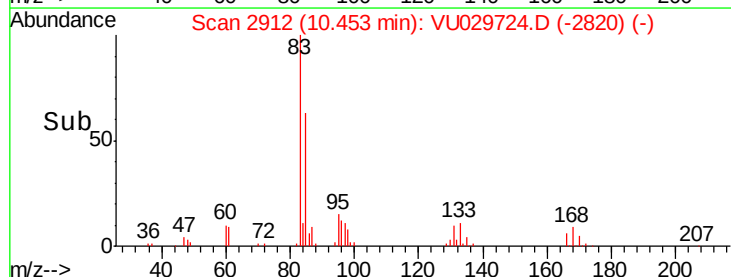
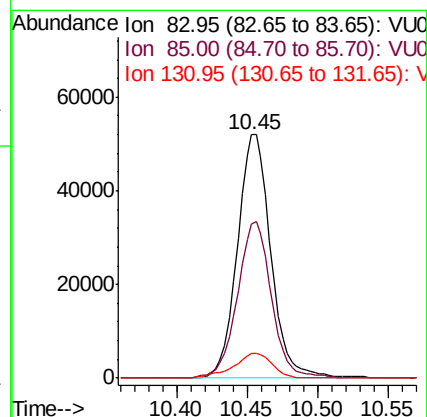
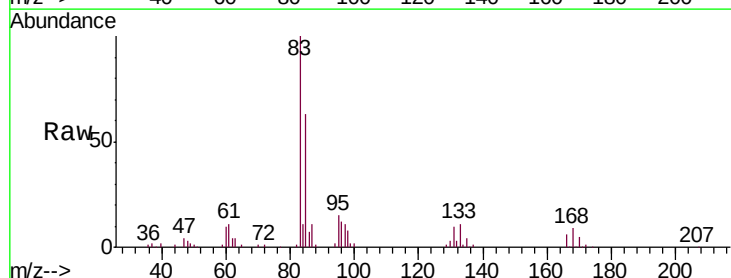
Tgt Ion: 83 Resp: 86209

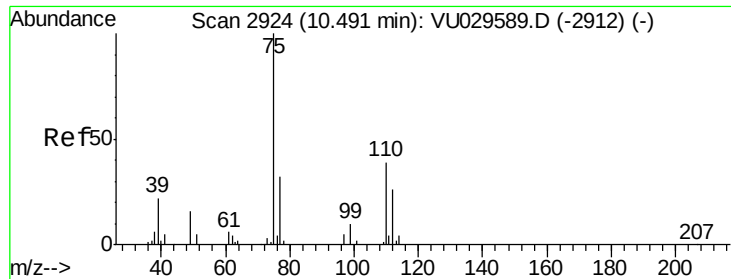
Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.3

131 10.2 8.9 13.3

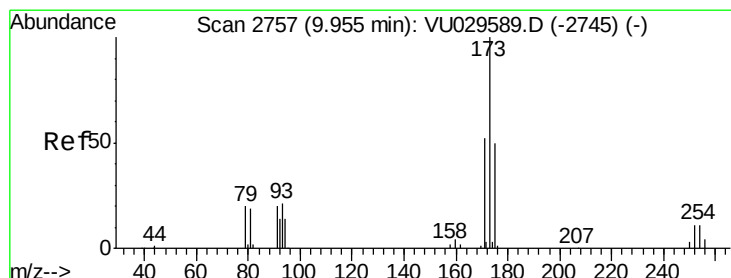
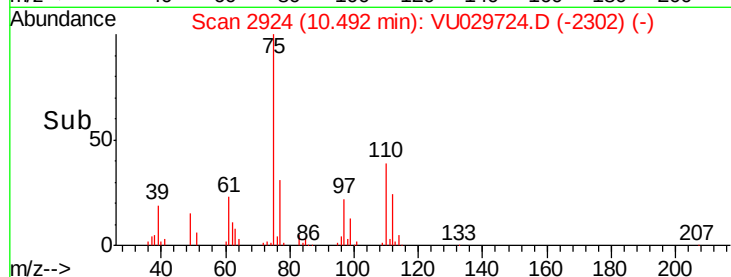
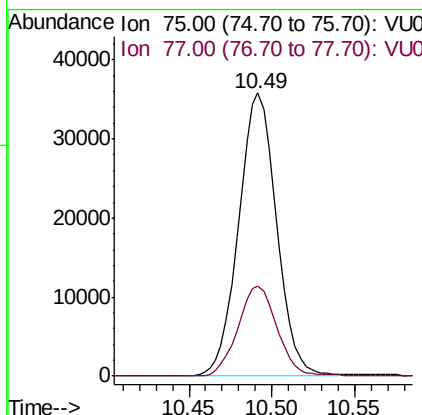
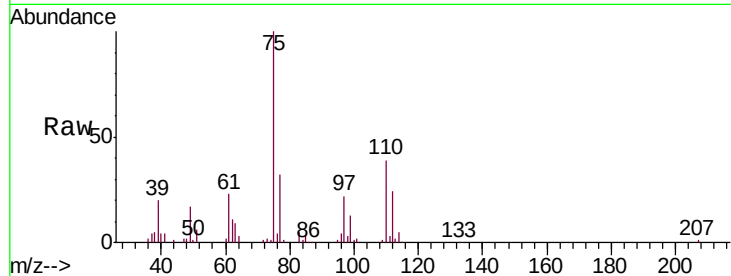




#59
 1,2,3-Trichloropropane
 Concen: 4.541 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

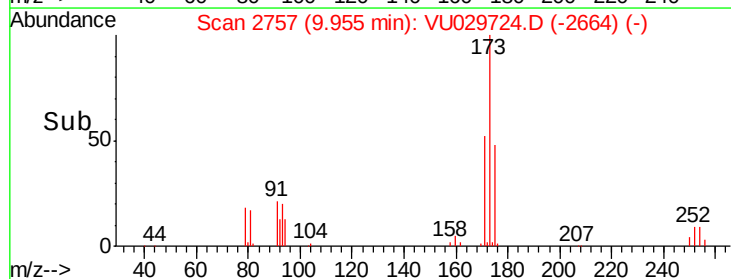
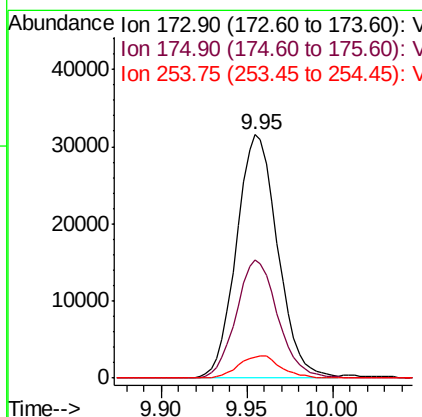
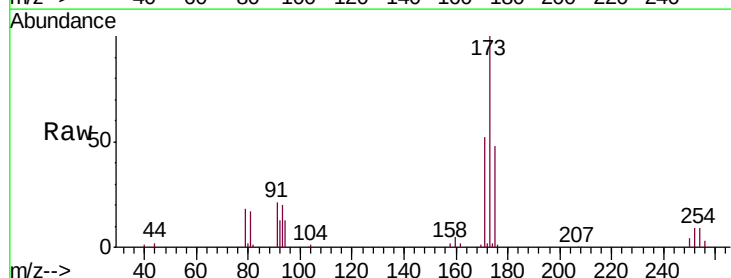
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

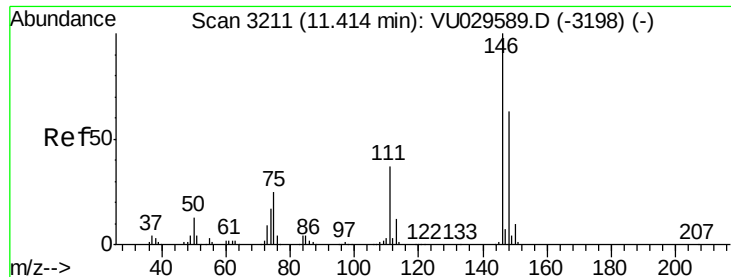
Tgt Ion: 75 Resp: 57061
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.6 38.4



#61
 Bromoform
 Concen: 5.297 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Tgt Ion: 173 Resp: 52551
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.6
 254 9.2 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 4.948 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

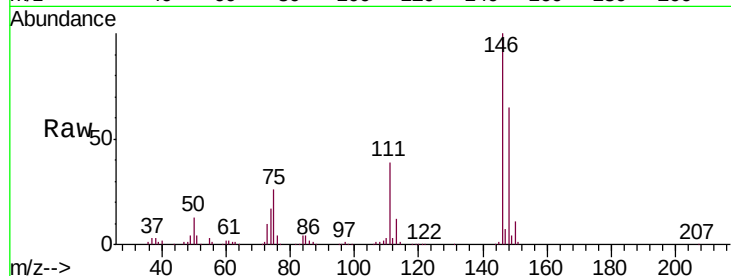
Tgt Ion:146 Resp: 235010

Ion Ratio Lower Upper

146 100

111 38.6 25.7 47.7

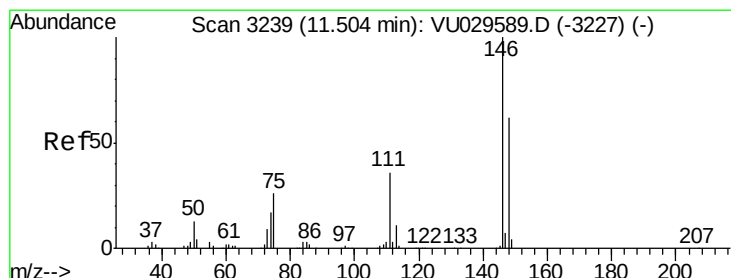
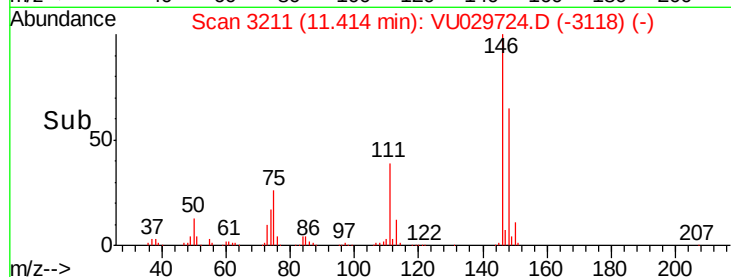
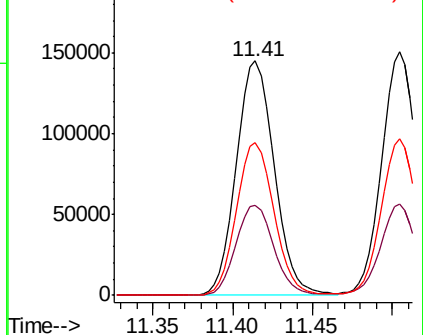
148 65.1 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.978 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

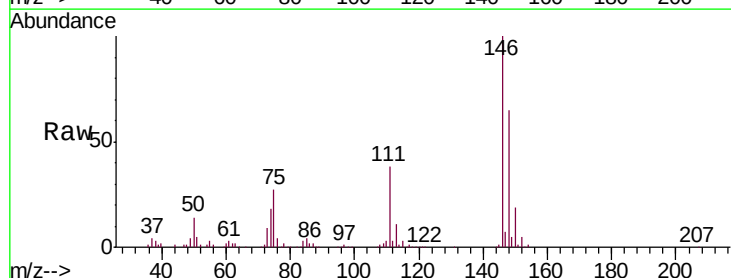
Tgt Ion:146 Resp: 239770

Ion Ratio Lower Upper

146 100

111 37.6 25.4 47.2

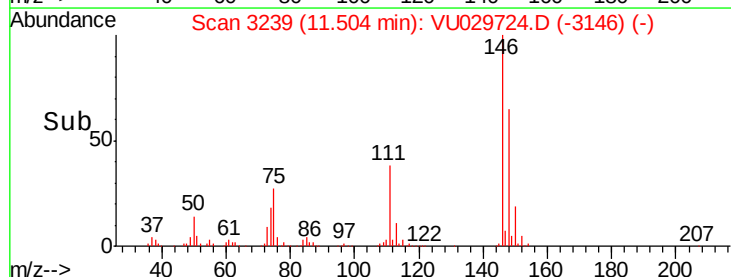
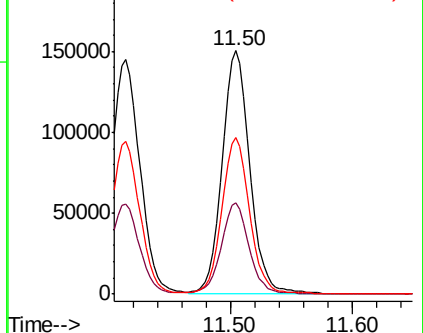
148 64.6 43.7 81.1

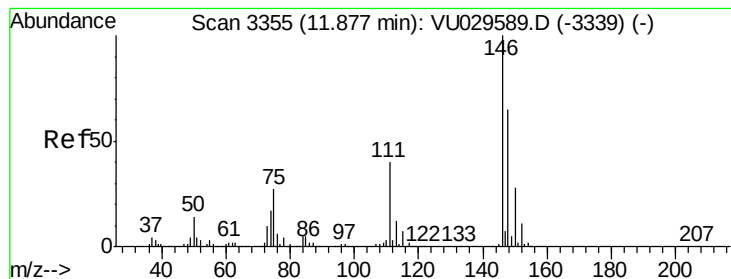


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.946 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

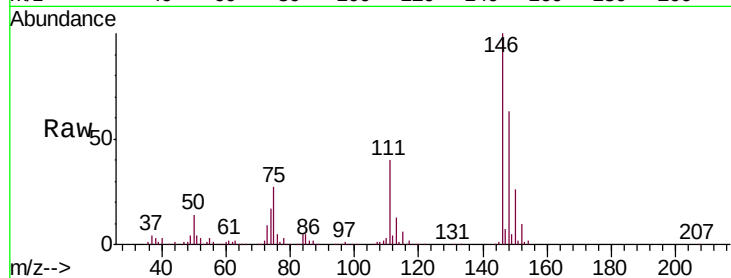
Tgt Ion:146 Resp: 226767

Ion Ratio Lower Upper

146 100

111 39.8 32.2 48.2

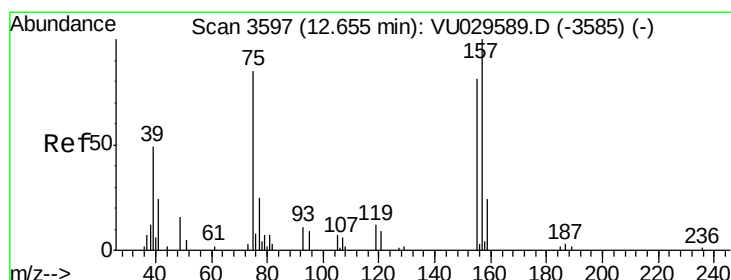
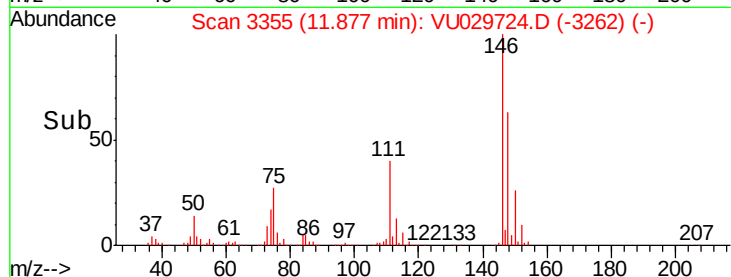
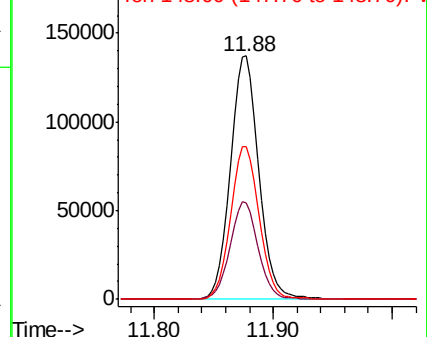
148 62.8 52.2 78.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.990 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

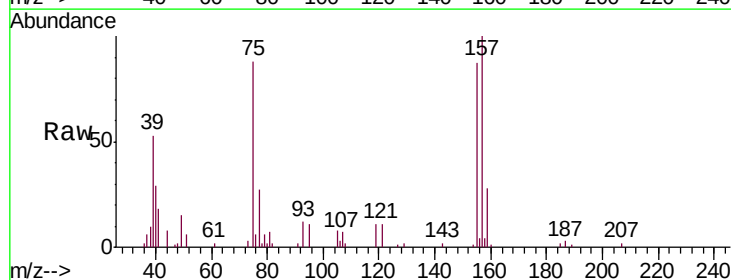
Tgt Ion: 75 Resp: 13449

Ion Ratio Lower Upper

75 100

155 99.7 75.5 113.3

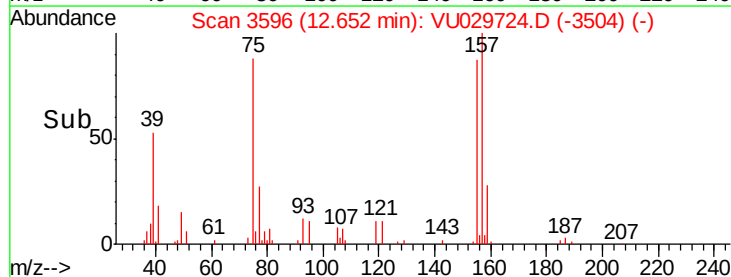
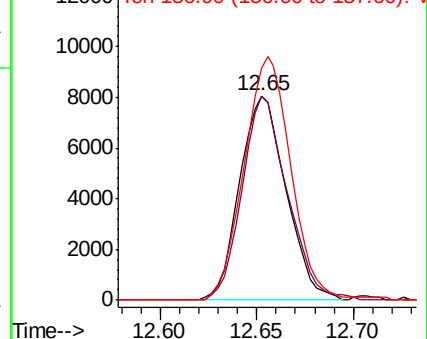
157 114.0 93.8 140.6

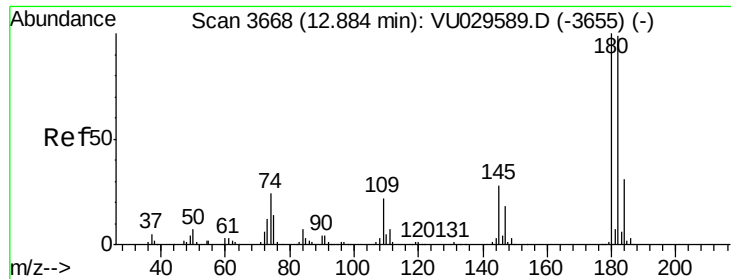


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

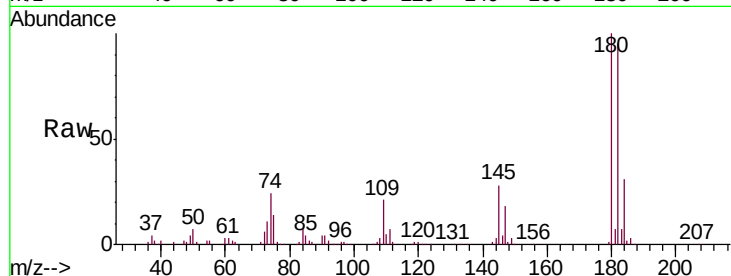




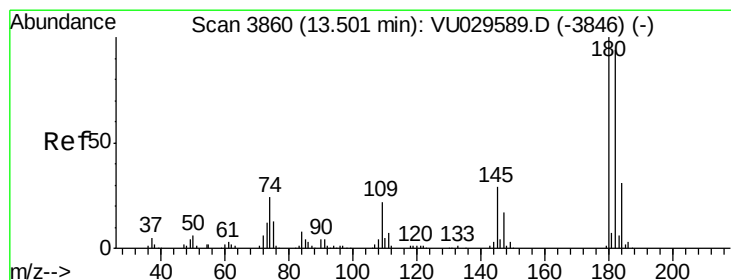
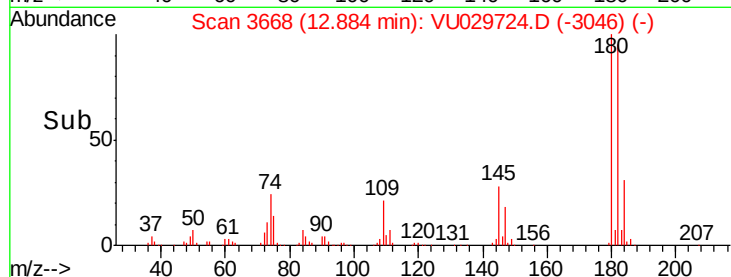
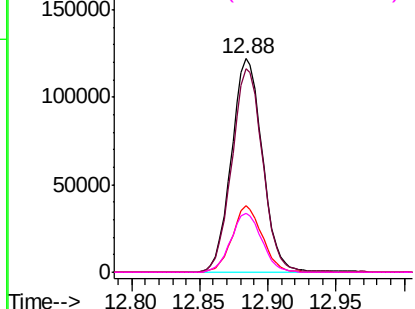
#67
 1,3,5-Trichlorobenzene
 Concen: 5.037 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.6
184	30.1	25.0	37.4
145	27.4	22.4	33.6

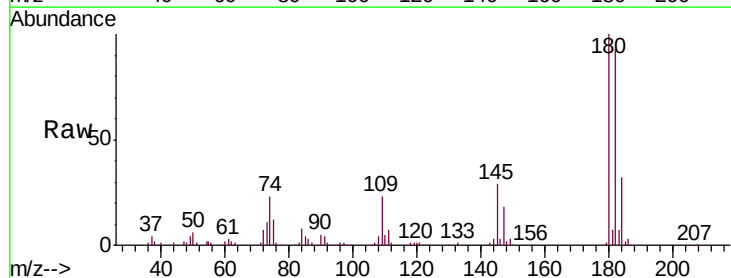


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

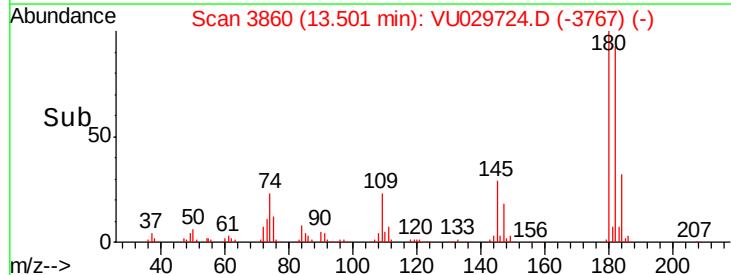
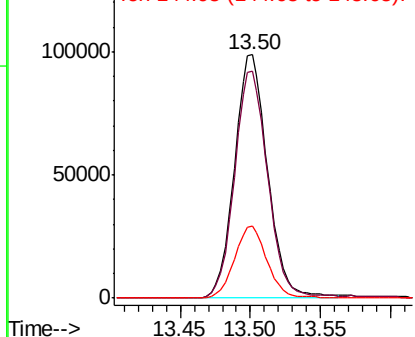


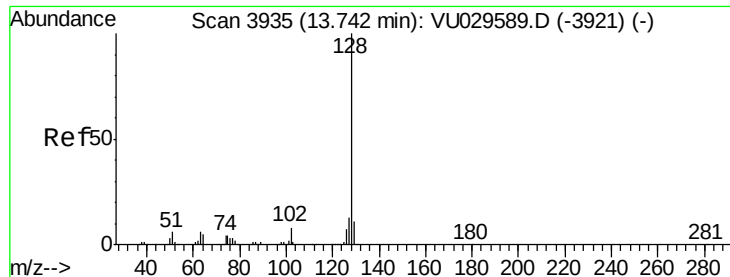
#68
 1,2,4-trichlorobenzene
 Concen: 5.031 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029724.D
 Acq: 28 Feb 2019 09:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.7	113.5
145	29.0	22.4	33.6



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: 5.119 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

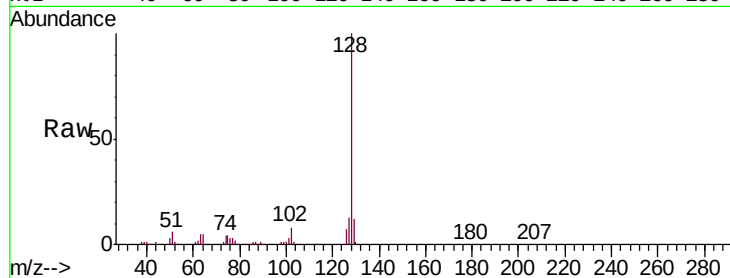
Tgt Ion:128 Resp: 255733

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

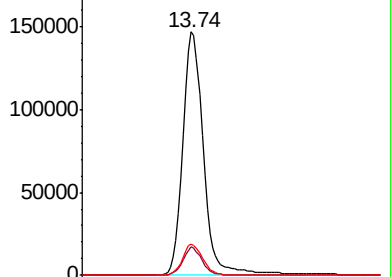
127 12.7 10.0 15.0



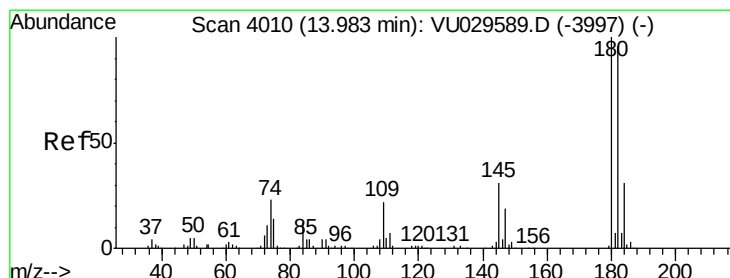
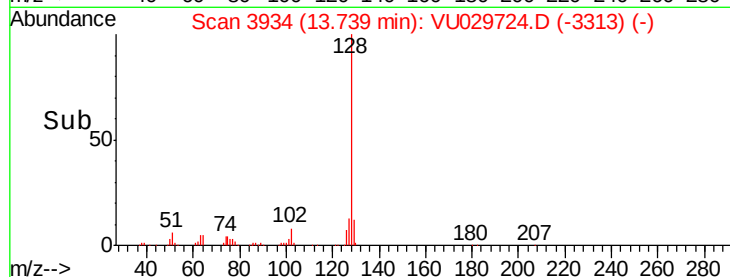
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 4.965 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029724.D

Acq: 28 Feb 2019 09:32

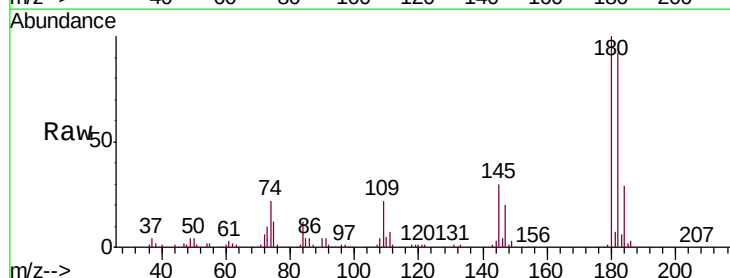
Tgt Ion:180 Resp: 150252

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

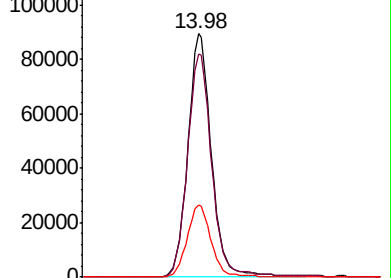
145 30.1 24.2 36.2



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



Time-->

