

Data File : VU029748.D
Acq On : 28 Feb 2019 19:14
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Quant Time: Mar 01 00:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	249398	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	245799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	133060	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73920	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.68	69	71132	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.27	63	155868	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.19	46	218737	59.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.80%
24) Chloroform-d	4.64	84	149856	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.31	65	79596	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.34	84	323711	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.33	67	98798	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.56	98	304323	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.85	79	39187	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.31	63	212568	57.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	89188	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	130794	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	97628	5.014	ug/L 99
3) Chloromethane	1.33	50	86506	5.141	ug/L 98
5) Vinyl chloride	1.40	62	102178	4.804	ug/L 98
6) Bromomethane	1.63	94	54434	4.623	ug/L 98
8) Chloroethane	1.70	64	64350	4.670	ug/L 99
9) Trichlorofluoromethane	1.89	101	139927	4.437	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	86680	4.454	ug/L 99
12) 1,1-Dichloroethene	2.28	96	84848	4.586	ug/L 97
13) Acetone	2.32	43	118641	44.845	ug/L 98
14) Carbon disulfide	2.48	76	269266	4.431	ug/L 99
15) Methyl Acetate	2.61	43	35237	4.565	ug/L 99
16) Methylene chloride	2.70	84	92144	4.211	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	203824	4.608	ug/L 100
18) trans-1,2-Dichloroethene	2.98	96	89780	4.459	ug/L 97
19) 1,1-Dichloroethane	3.44	63	150141	4.790	ug/L 99
21) 2-Butanone	4.27	43	191690	52.220	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	93781	5.086	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	42246	5.077	ug/L	96
25) Chloroform	4.67	83	162348	5.173	ug/L	99
27) 1,2-Dichloroethane	5.40	62	90869	4.903	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	125604	4.916	ug/L	99
30) Cyclohexane	4.99	56	125491	4.963	ug/L	99
31) Carbon tetrachloride	5.13	117	109192	4.910	ug/L	97
33) Benzene	5.39	78	335749	5.169	ug/L	100
34) Trichloroethene	6.18	95	89882	4.957	ug/L	98
35) Methylcyclohexane	6.41	83	143578	4.882	ug/L	98
37) 1,2-Dichloropropane	6.43	63	85689	5.237	ug/L	99
38) Bromodichloromethane	6.75	83	101951	4.991	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	117521	4.907	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	474801	51.626	ug/L	99
42) Toluene	7.63	91	372955	5.062	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	96949	5.043	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	64704	5.049	ug/L	97
47) Tetrachloroethene	8.22	164	79824	4.740	ug/L	98
48) 2-Hexanone	8.36	43	342525	50.924	ug/L	99
49) Dibromochloromethane	8.47	129	75623	4.872	ug/L	98
50) 1,2-Dibromoethane	8.58	107	62557	4.987	ug/L	98
51) Chlorobenzene	9.12	112	247039	4.881	ug/L	99
52) Ethylbenzene	9.25	91	406396	4.932	ug/L	99
53) m,p-xylene	9.37	106	157495	4.767	ug/L	99
54) o-xylene	9.77	106	158424	4.980	ug/L	97
55) Styrene	9.79	104	264607	4.979	ug/L	99
56) Isopropylbenzene	10.16	105	408983	4.791	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	81455	5.157	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	54369	4.975	ug/L	98
61) Bromoform	9.95	173	44847	5.082	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	199865	4.731	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	206838	4.828	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	198167	4.859	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	11367	4.741	ug/L	90
67) 1,3,5-Trichlorobenzene	12.88	180	158866	4.670	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	135165	4.702	ug/L	100
69) Naphthalene	13.74	128	219750	4.945	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	128918	4.789	ug/L	99

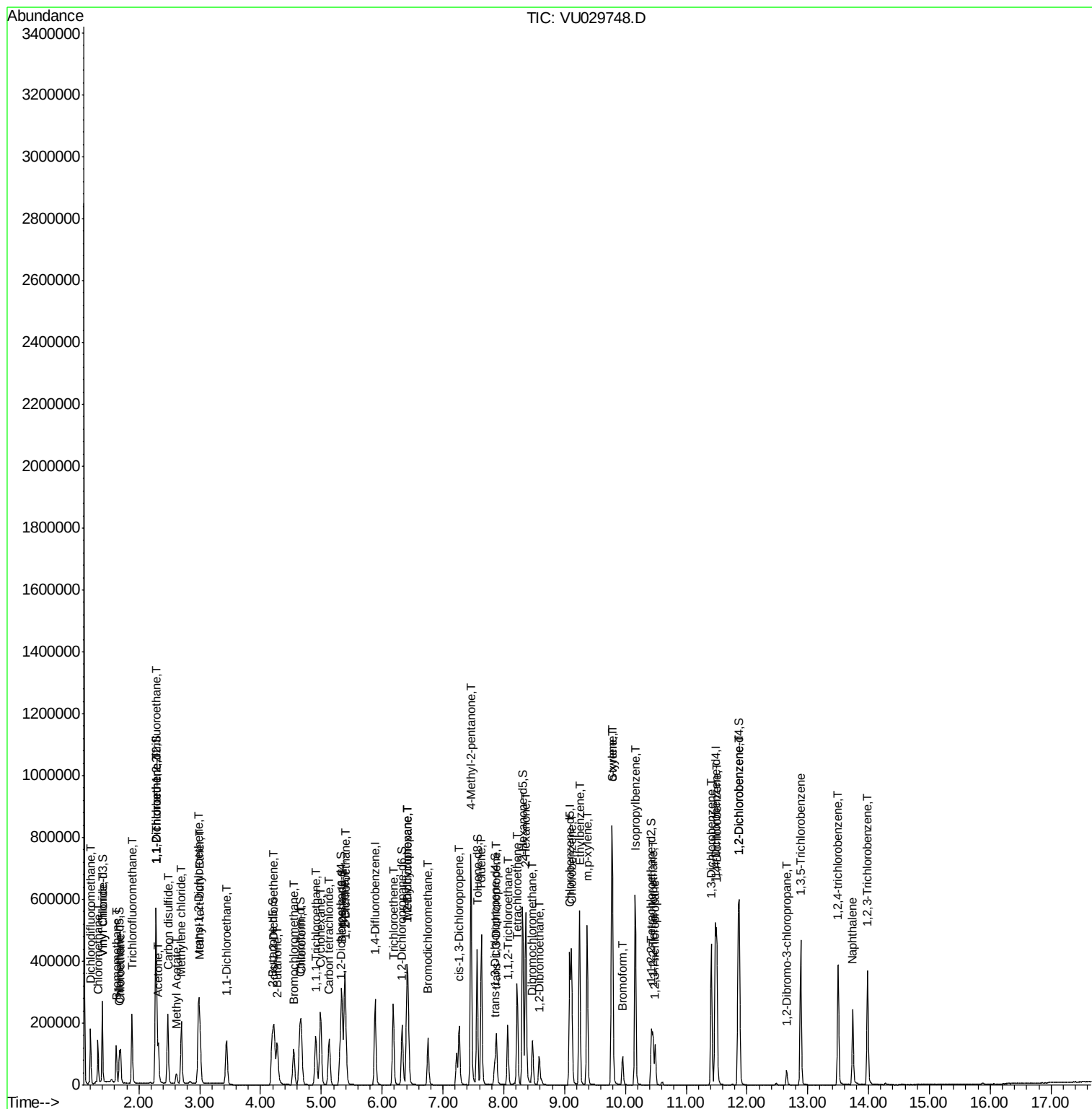
(#) = qualifier out of range (m) = manual integration (+) = signals summed

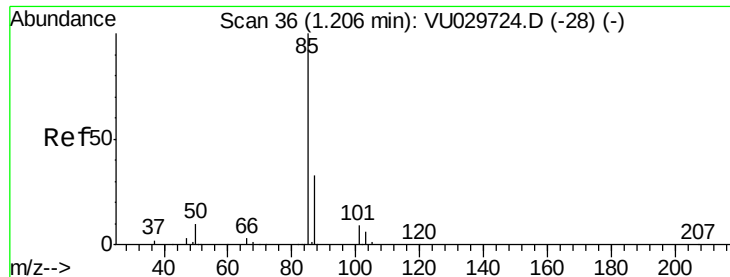
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#2

Dichlorodifluoromethane

Concen: 5.014 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

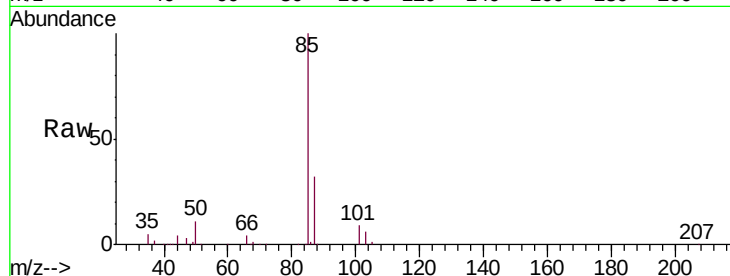
VSTD00543

Tgt Ion: 85 Resp: 97628

Ion Ratio Lower Upper

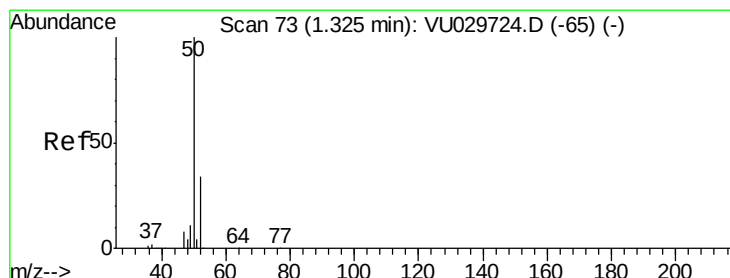
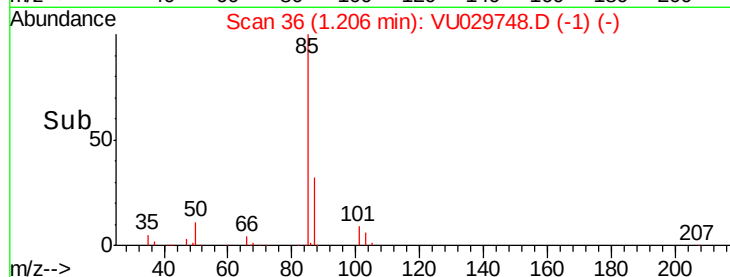
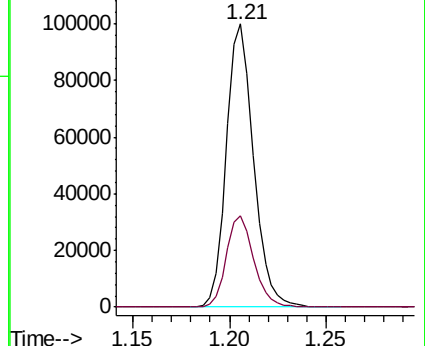
85 100

87 32.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.141 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029748.D

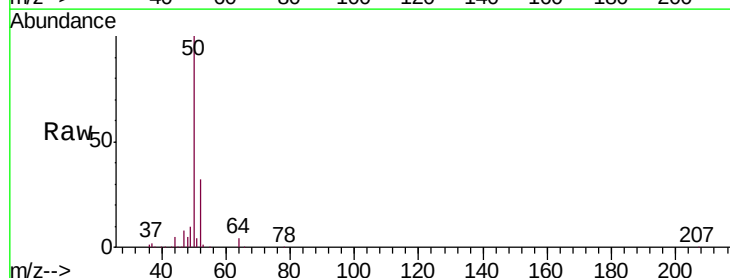
Acq: 28 Feb 2019 19:14

Tgt Ion: 50 Resp: 86506

Ion Ratio Lower Upper

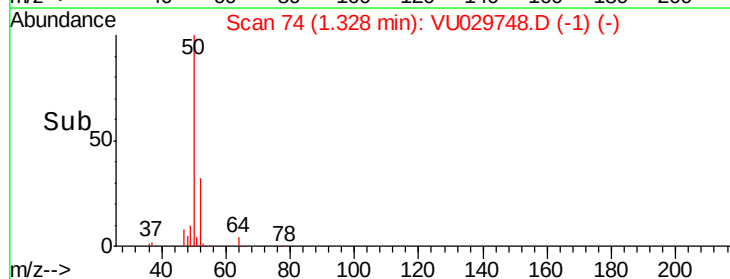
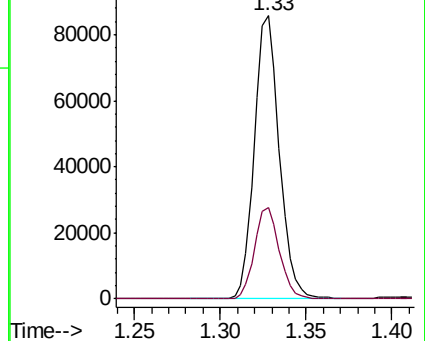
50 100

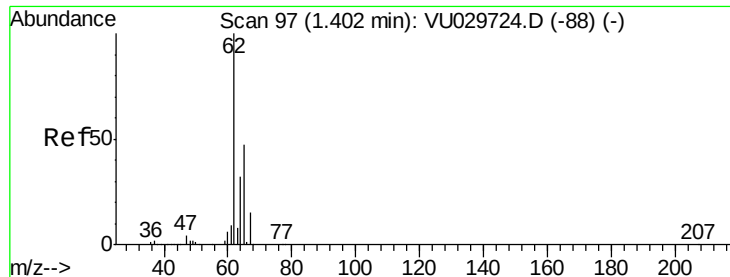
52 32.2 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.804 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

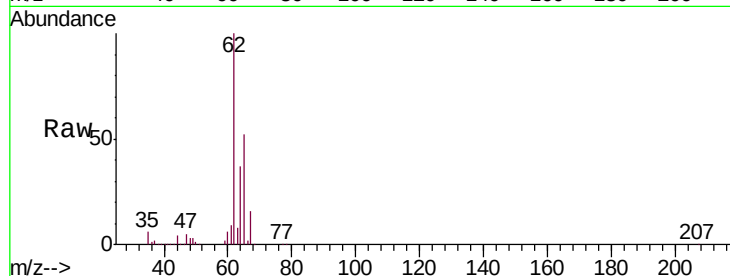
VSTD00543

Tgt Ion: 62 Resp: 102178

Ion Ratio Lower Upper

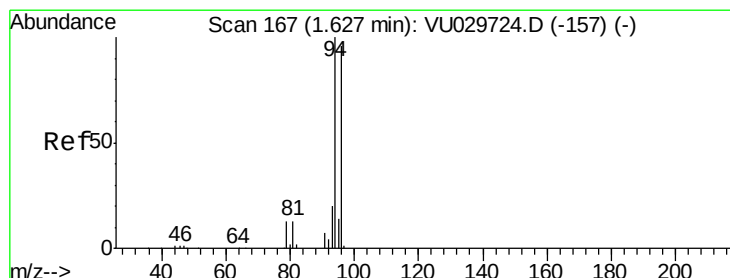
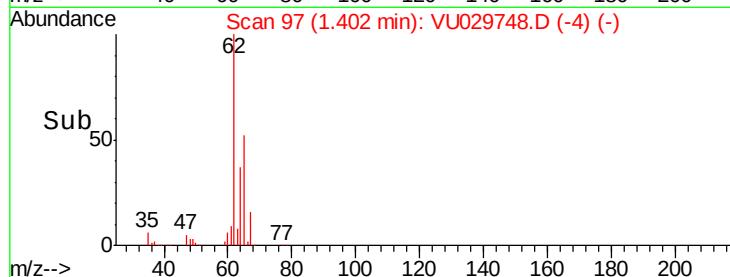
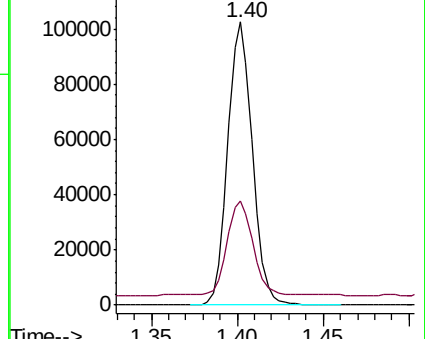
62 100

64 36.6 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.623 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029748.D

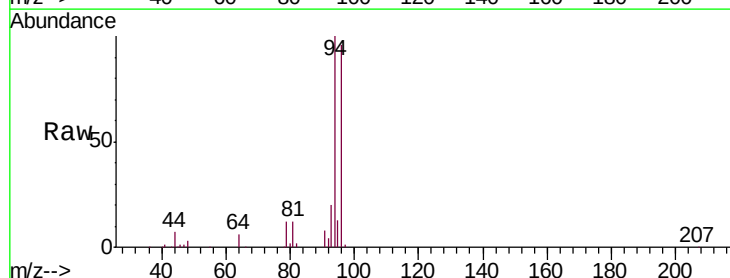
Acq: 28 Feb 2019 19:14

Tgt Ion: 94 Resp: 54434

Ion Ratio Lower Upper

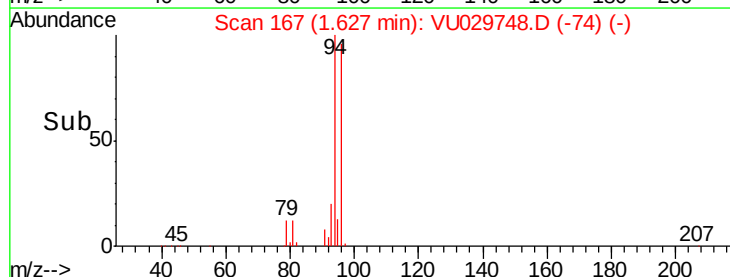
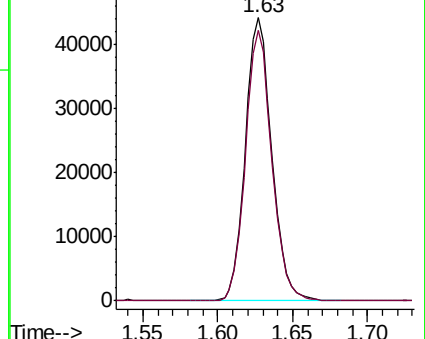
94 100

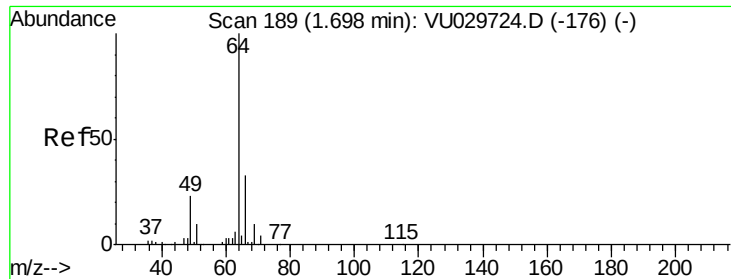
96 95.8 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

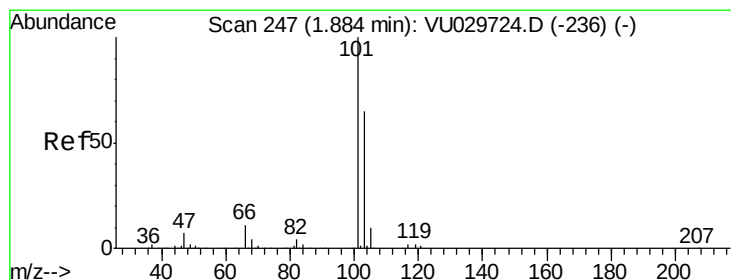
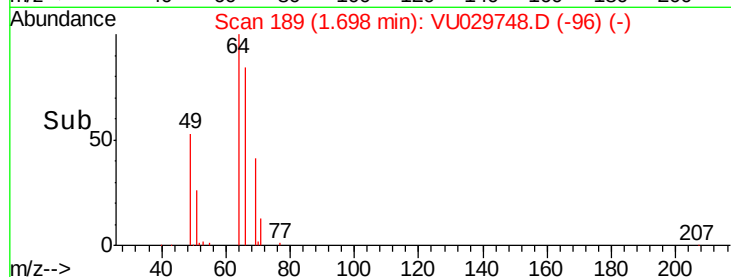
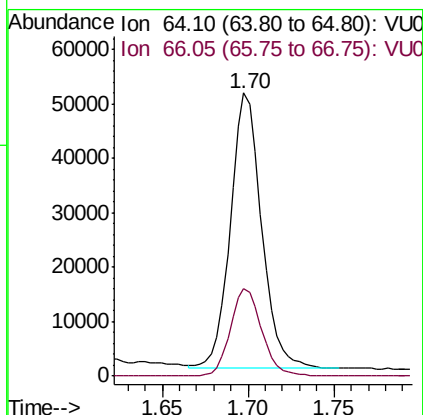
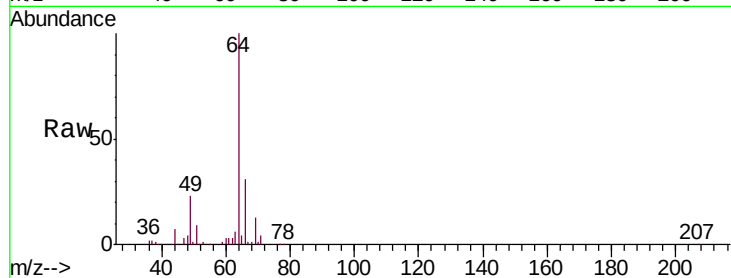




#8
Chloroethane
Concen: 4.670 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

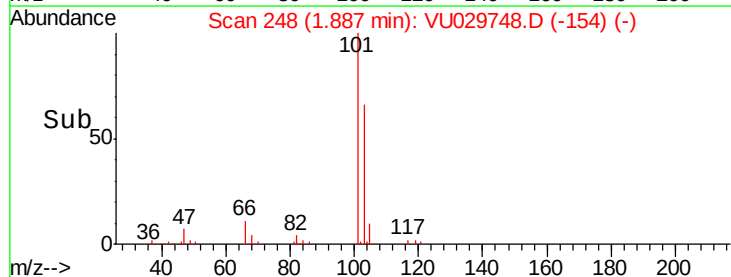
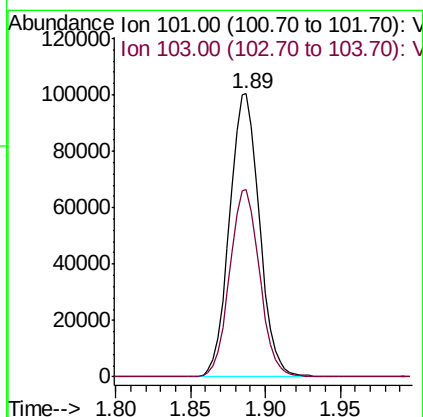
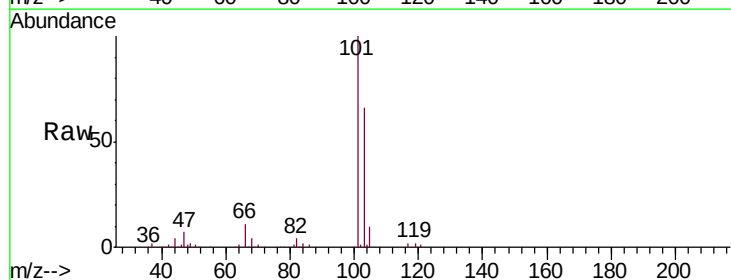
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

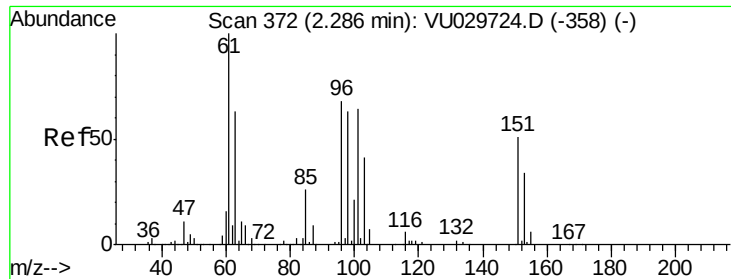
Tgt Ion: 64 Resp: 64350
Ion Ratio Lower Upper
64 100
66 30.9 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.437 ug/L
RT: 1.89 min Scan# 248
Delta R.T. 0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 101 Resp: 139927
Ion Ratio Lower Upper
101 100
103 66.3 52.5 78.7





#10

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

Concen: 4.454 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

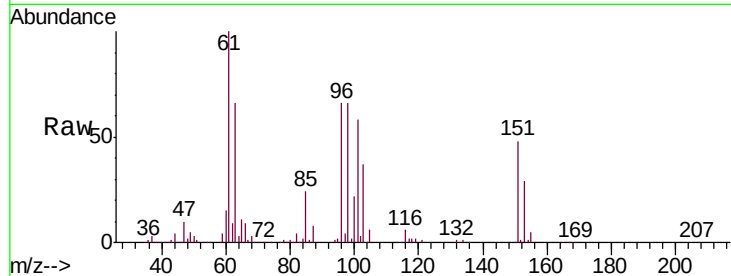
Tgt Ion: 101 Resp: 86680

Ion Ratio Lower Upper

101 100

85 40.6 32.8 49.2

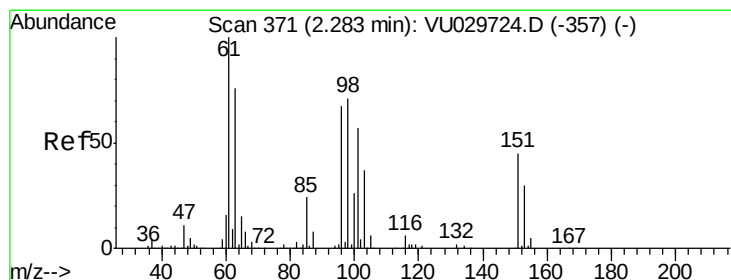
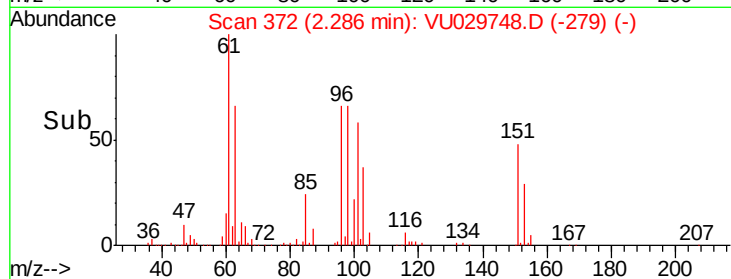
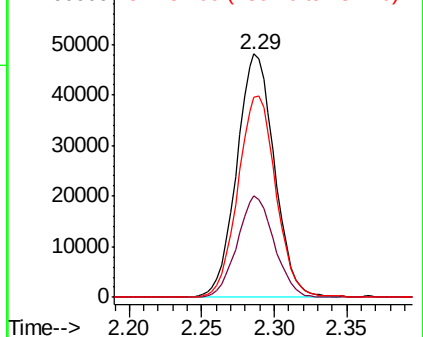
151 83.5 65.9 98.9



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: 4.586 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

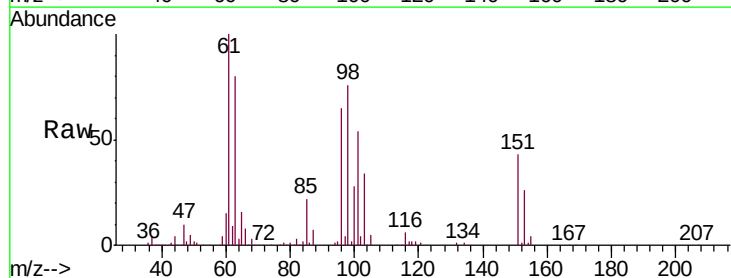
Tgt Ion: 96 Resp: 84848

Ion Ratio Lower Upper

96 100

61 154.6 111.3 206.7

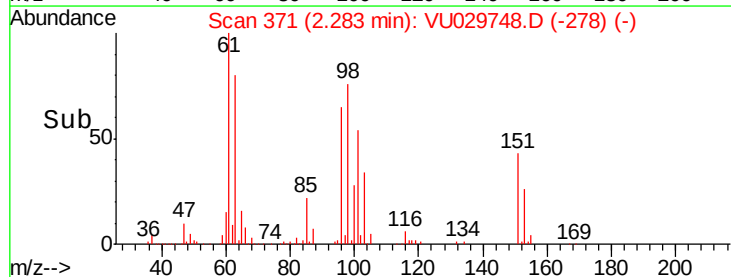
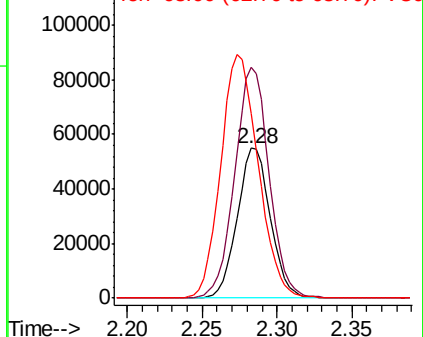
63 123.6 88.5 164.3

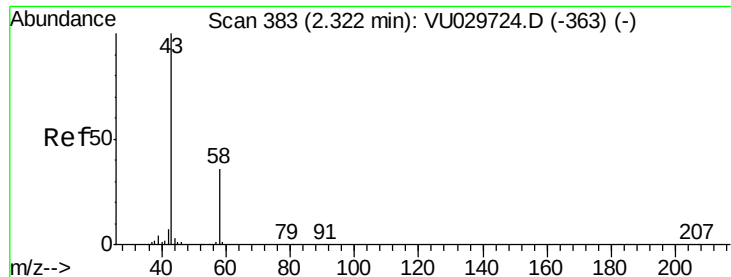


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.845 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

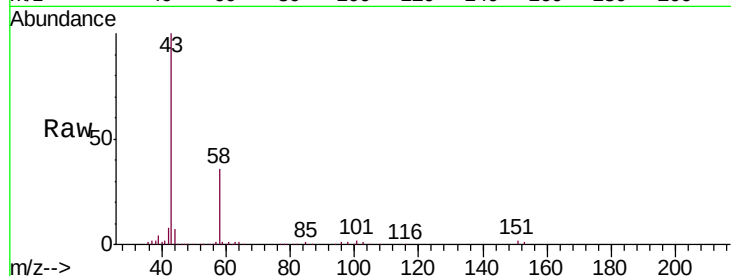
VSTD00543

Tgt Ion: 43 Resp: 118641

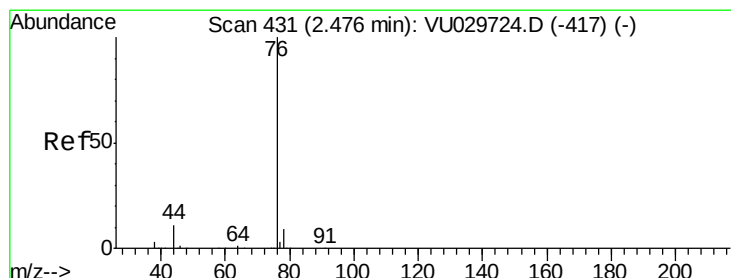
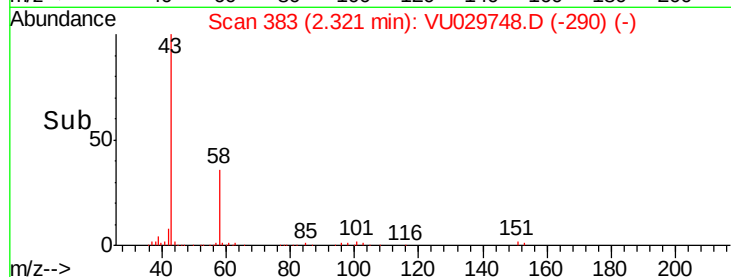
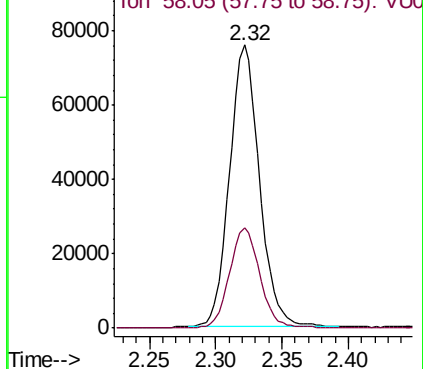
Ion Ratio Lower Upper

43 100

58 36.5 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU029724.D (-363) (-)



#14

Carbon disulfide

Concen: 4.431 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029748.D

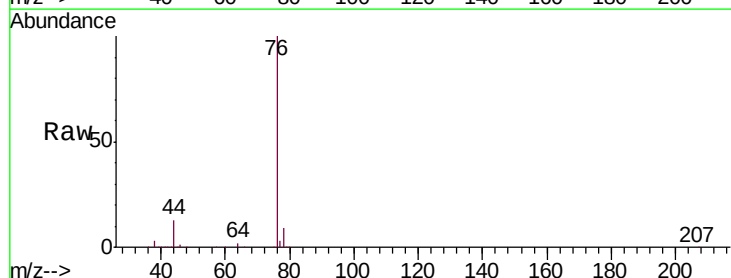
Acq: 28 Feb 2019 19:14

Tgt Ion: 76 Resp: 269266

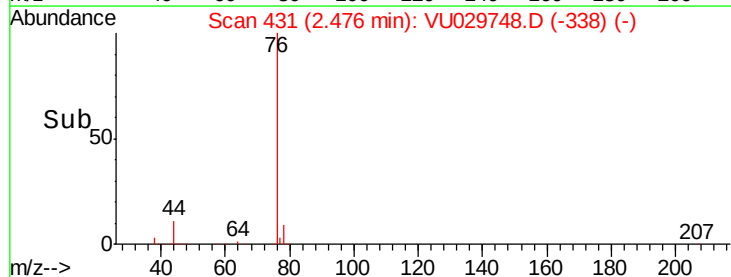
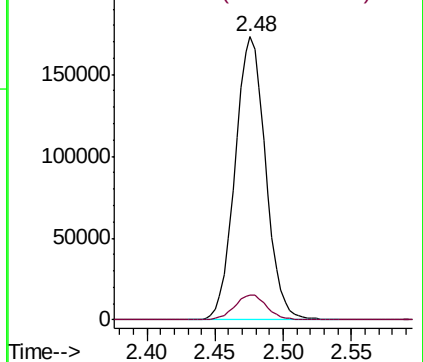
Ion Ratio Lower Upper

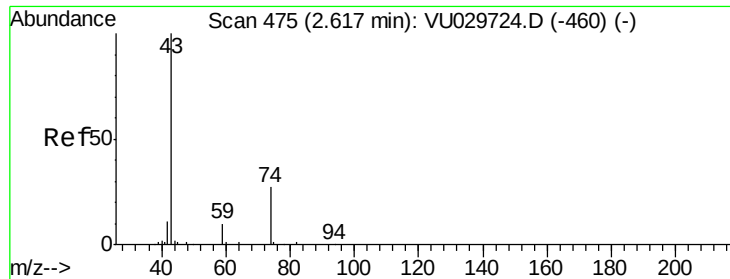
76 100

78 8.9 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU029724.D (-417) (-)

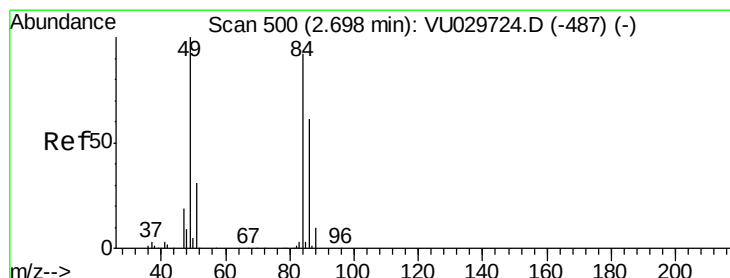
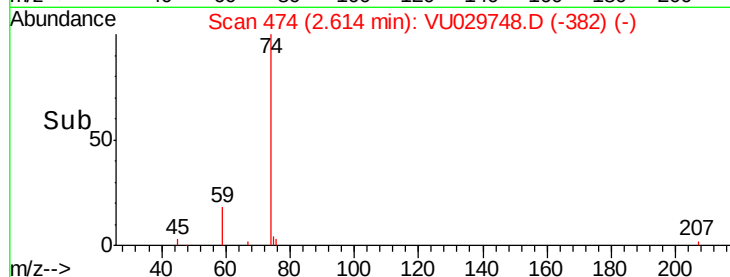
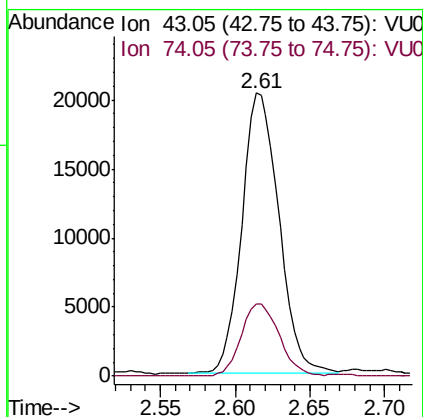
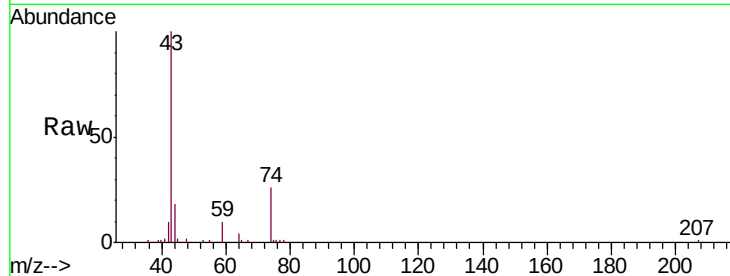




#15
Methyl Acetate
Concen: 4.565 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

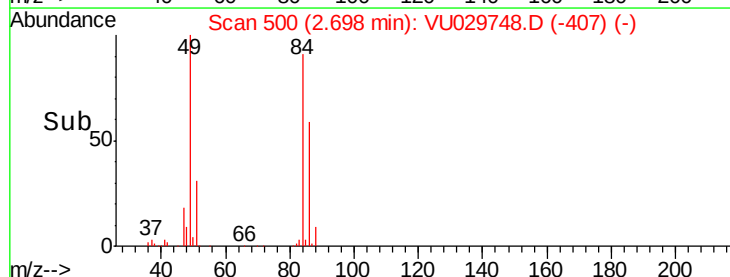
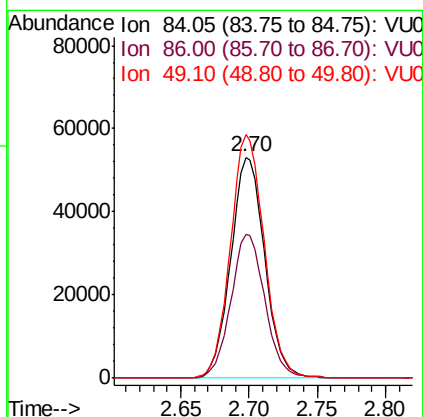
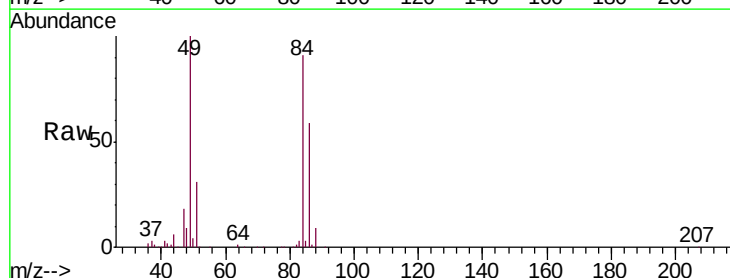
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

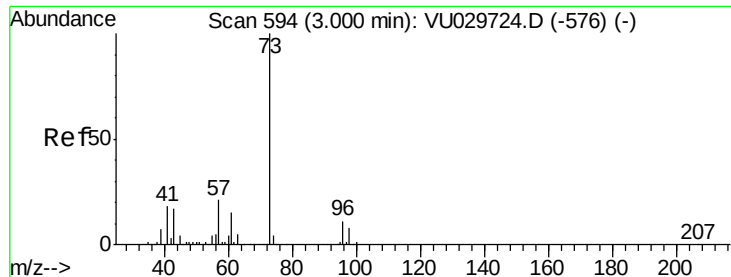
Tgt Ion: 43 Resp: 35237
Ion Ratio Lower Upper
43 100
74 26.4 21.6 32.4



#16
Methylene chloride
Concen: 4.211 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 84 Resp: 92144
Ion Ratio Lower Upper
84 100
86 65.4 44.2 82.0
49 110.3 77.3 143.5

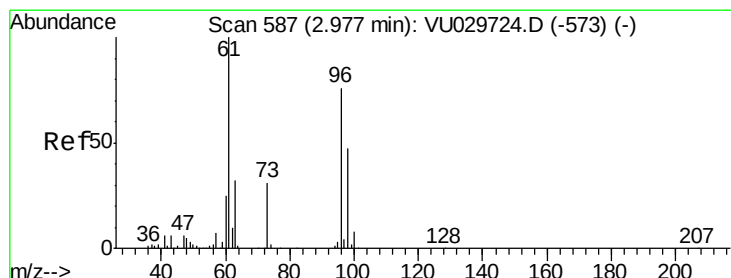
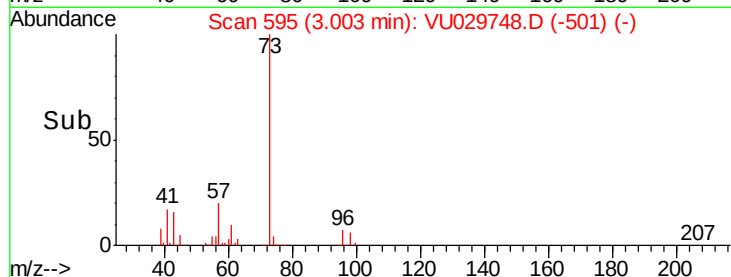
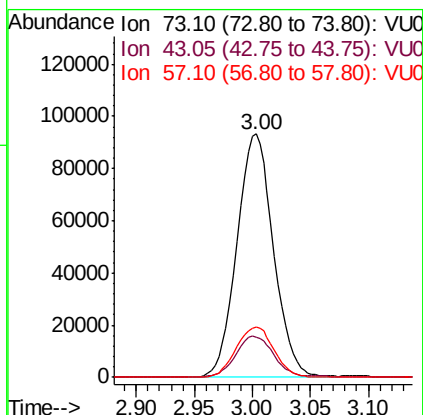
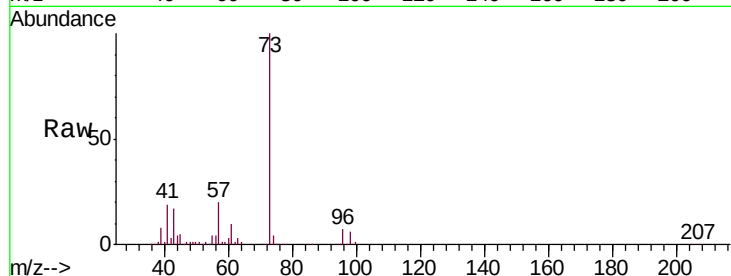




#17
Methyl tert-butyl Ether
Concen: 4.608 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

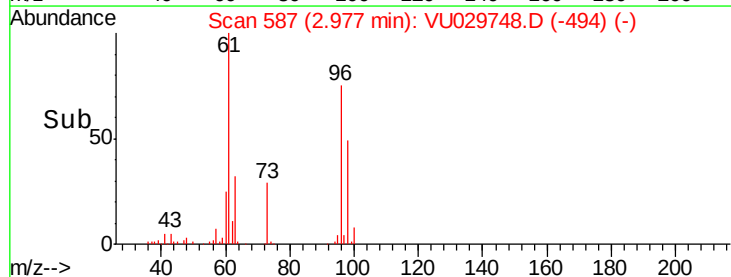
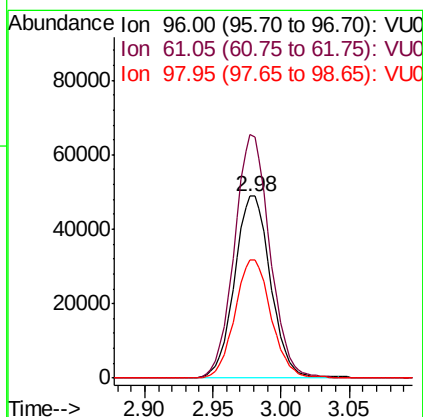
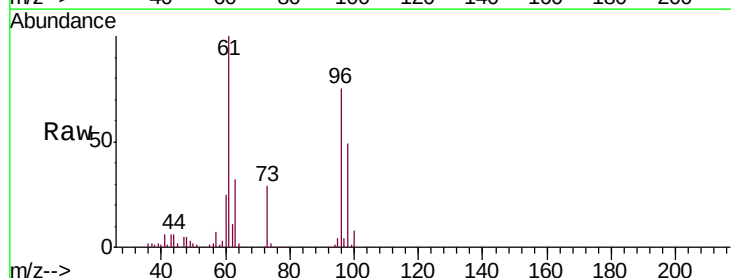
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

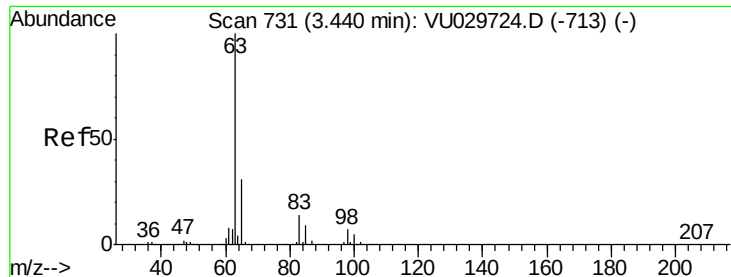
Tgt Ion: 73 Resp: 203824
Ion Ratio Lower Upper
73 100
43 17.2 13.8 20.8
57 21.5 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.459 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 96 Resp: 89780
Ion Ratio Lower Upper
96 100
61 133.9 90.3 167.7
98 64.9 45.2 84.0

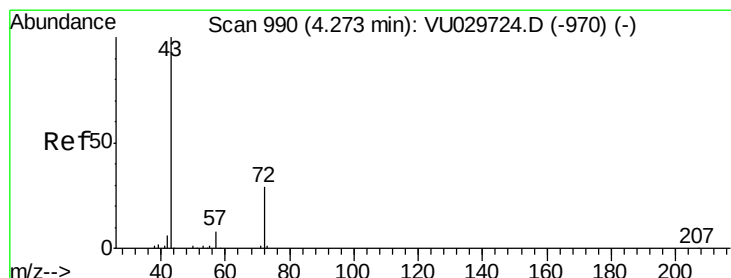
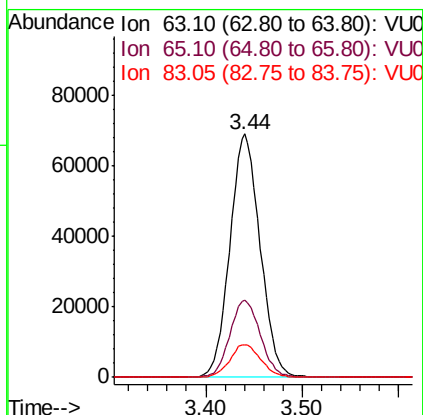
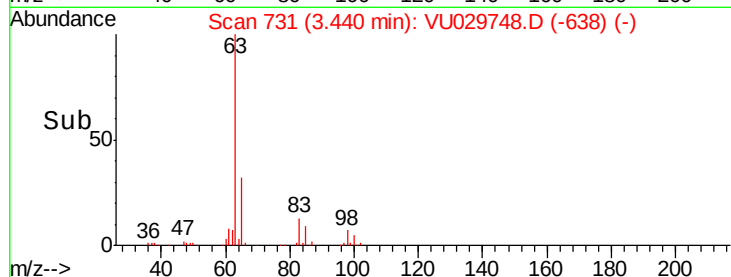
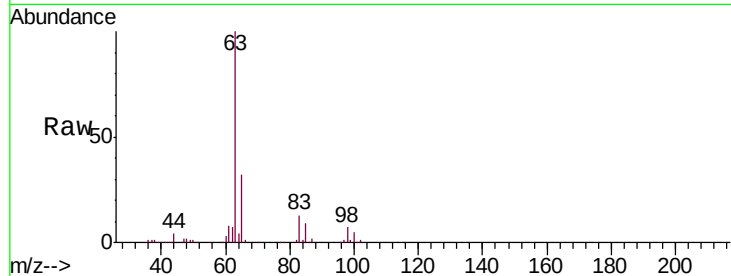




#19
 1,1-Dichloroethane
 Concen: 4.790 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

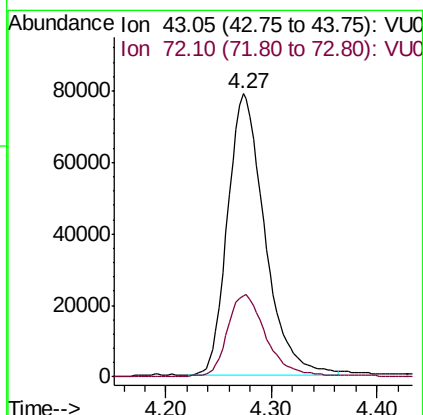
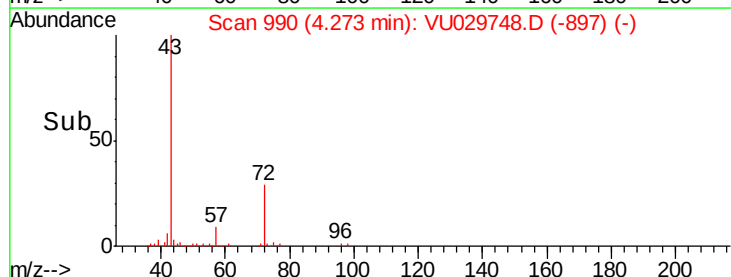
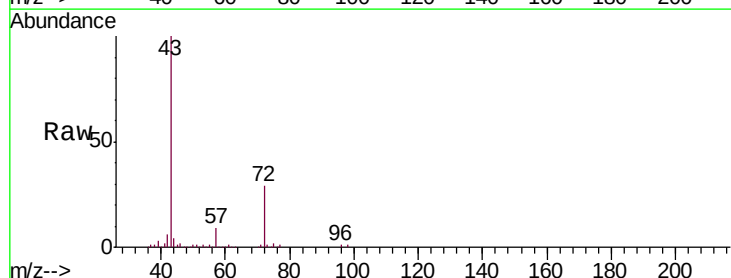
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

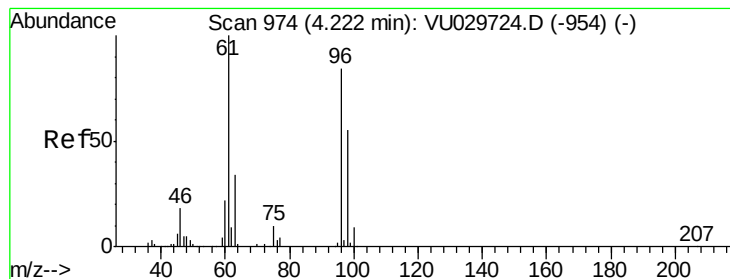
Tgt Ion: 63 Resp: 150141
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.5
 83 13.5 9.9 18.5



#21
 2-Butanone
 Concen: 52.220 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 43 Resp: 191690
 Ion Ratio Lower Upper
 43 100
 72 31.1 15.4 46.4



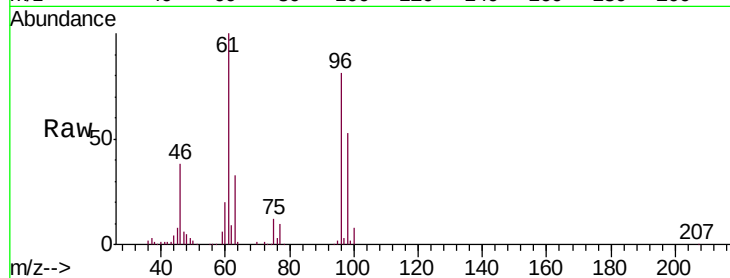


#22

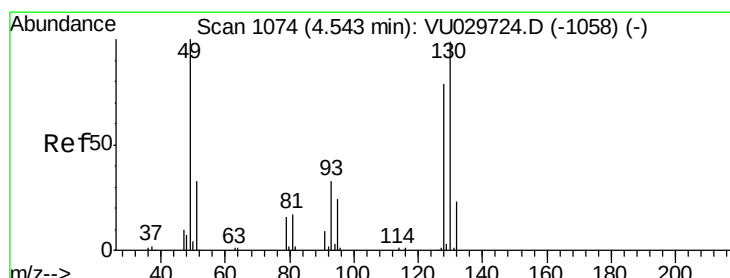
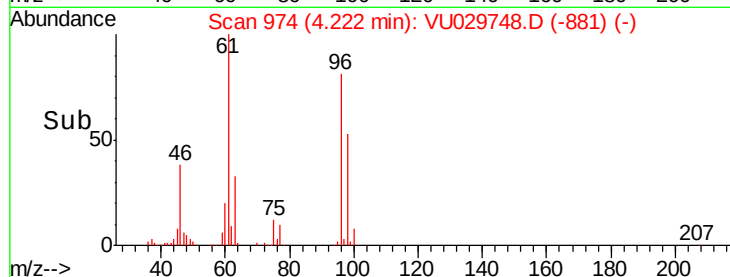
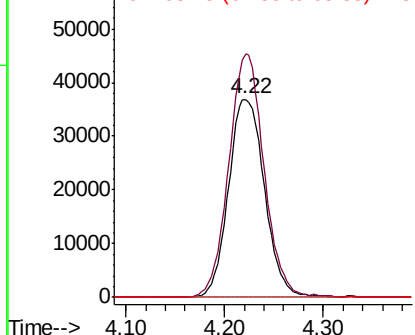
cis-1,2-Dichloroethene
Concen: 5.086 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion: 96 Resp: 93781
Ion Ratio Lower Upper
96 100
61 123.0 80.2 149.0
68 0.0 0.0 0.0



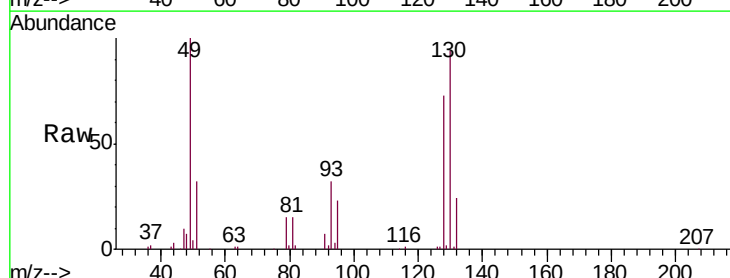
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



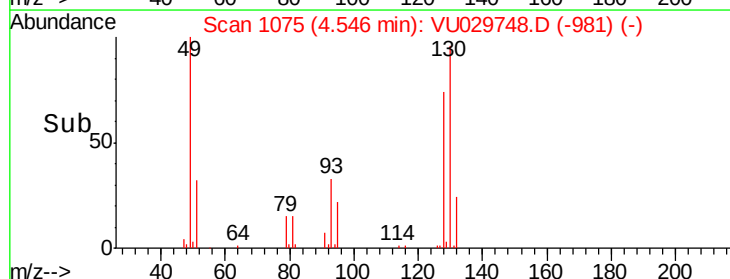
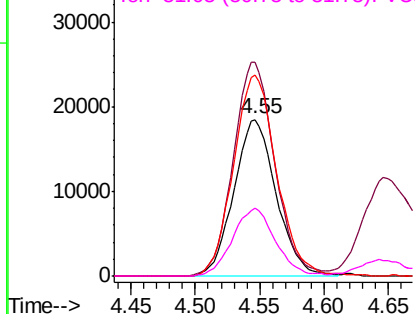
#23

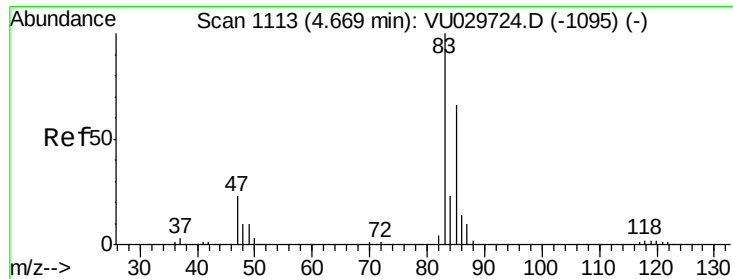
Bromochloromethane
Concen: 5.077 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 128 Resp: 42246
Ion Ratio Lower Upper
128 100
49 136.7 89.6 166.4
130 128.7 90.1 167.3
51 43.4 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

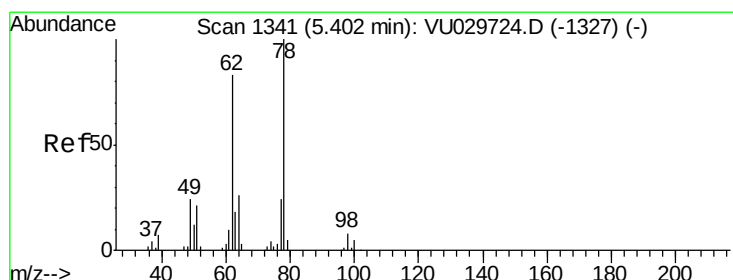
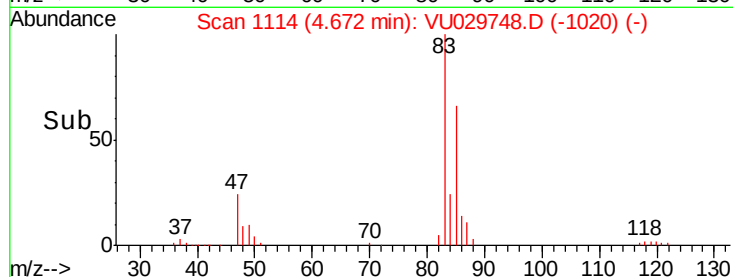
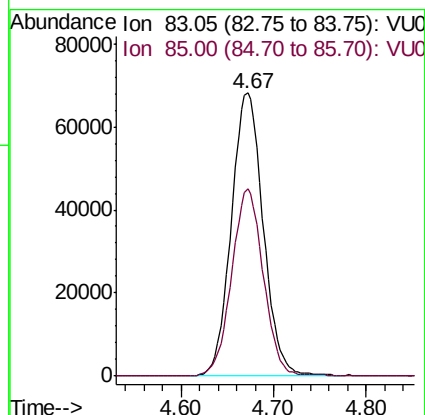
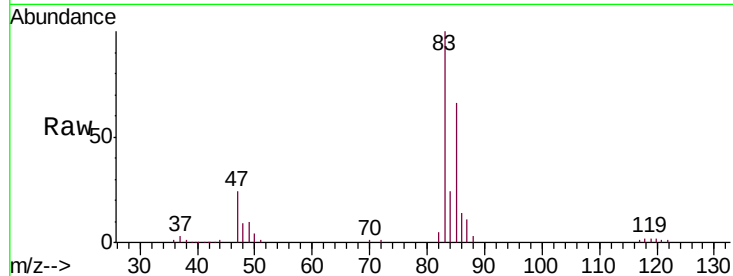




#25
Chloroform
Concen: 5.173 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

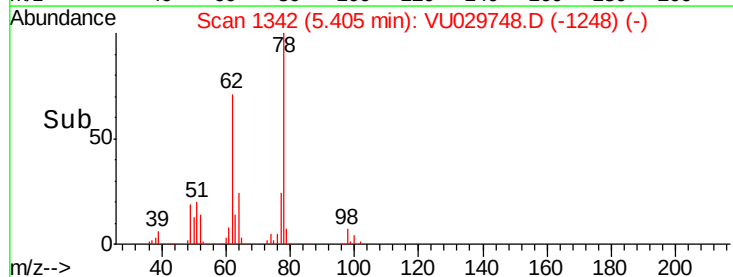
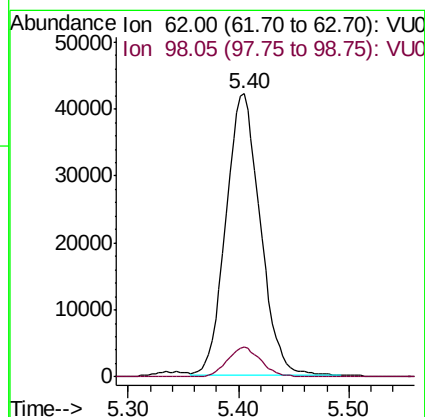
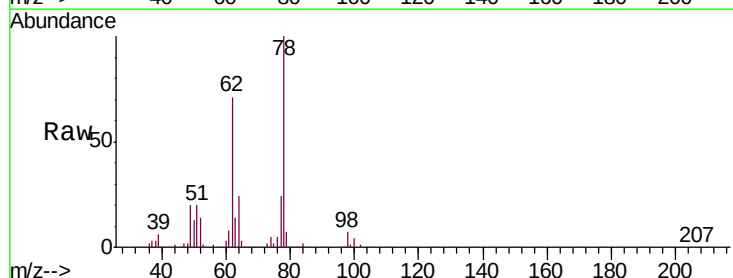
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

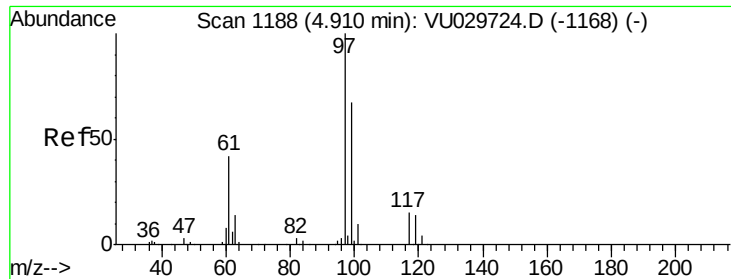
Tgt Ion: 83 Resp: 162348
Ion Ratio Lower Upper
83 100
85 66.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.903 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 62 Resp: 90869
Ion Ratio Lower Upper
62 100
98 10.5 7.6 11.4

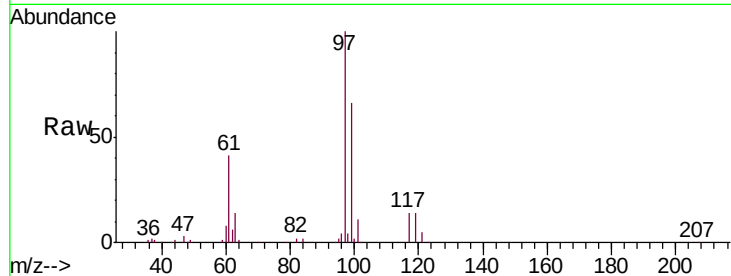




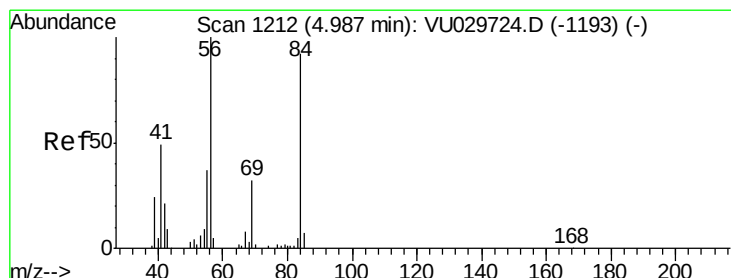
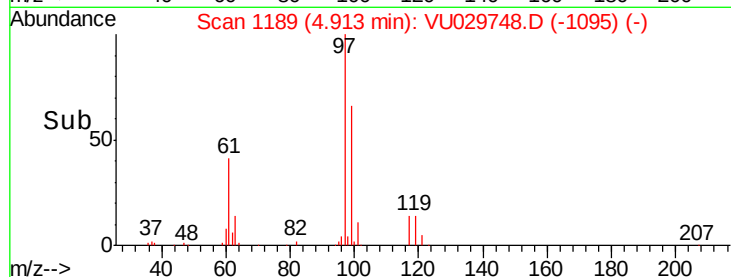
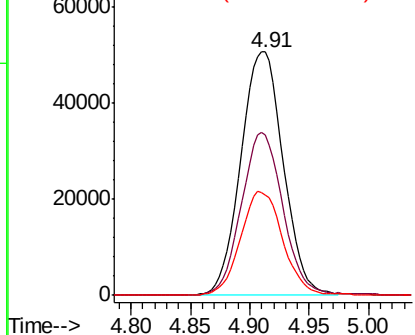
#29
 1,1,1-Trichloroethane
 Concen: 4.916 ug/L
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion: 97 Resp: 125604
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.2 78.2
 61 42.5 33.5 50.3

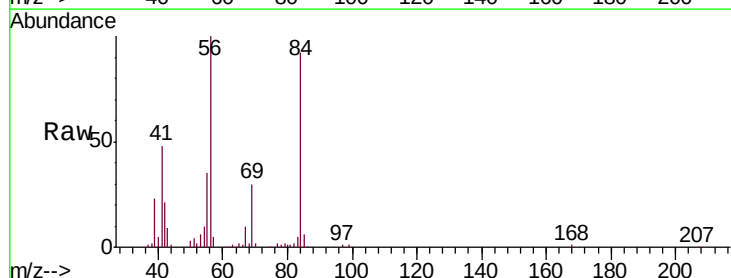


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

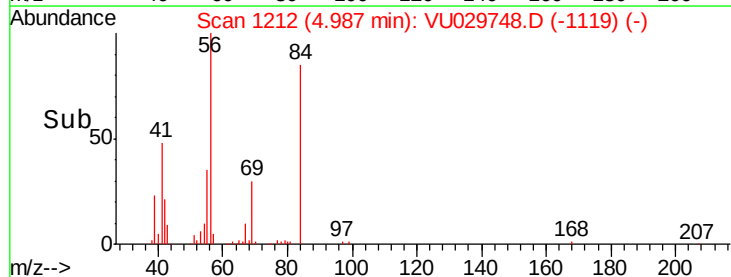
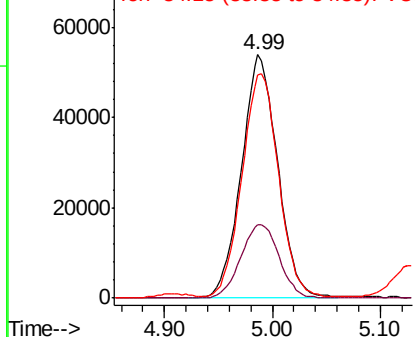


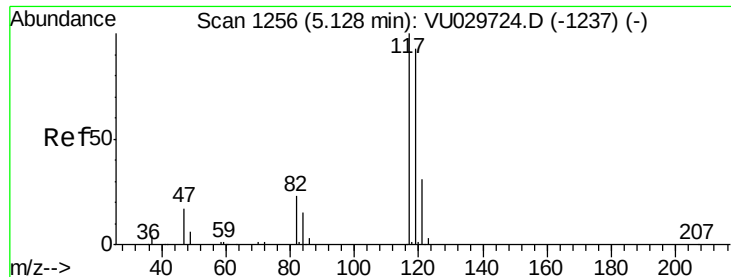
#30
 Cyclohexane
 Concen: 4.963 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 56 Resp: 125491
 Ion Ratio Lower Upper
 56 100
 69 32.1 25.8 38.8
 84 92.7 73.5 110.3



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: 4.910 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

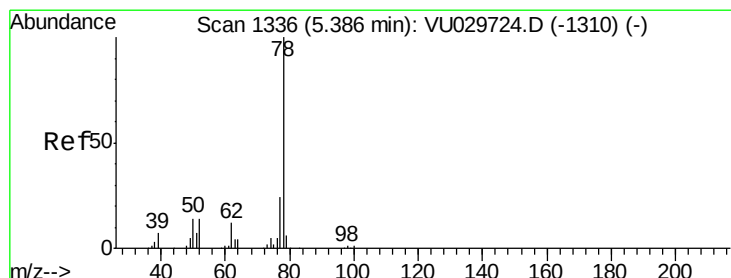
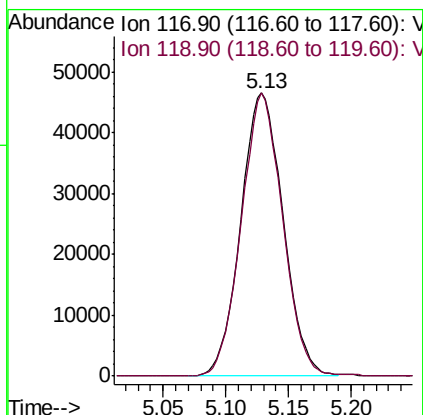
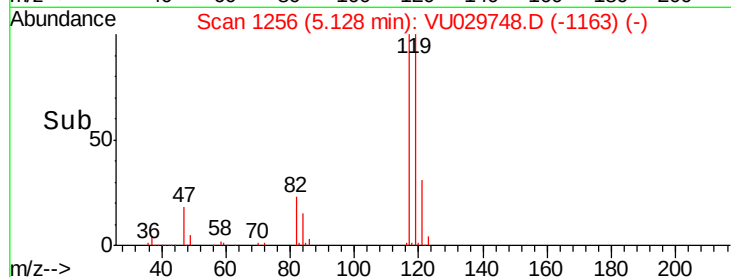
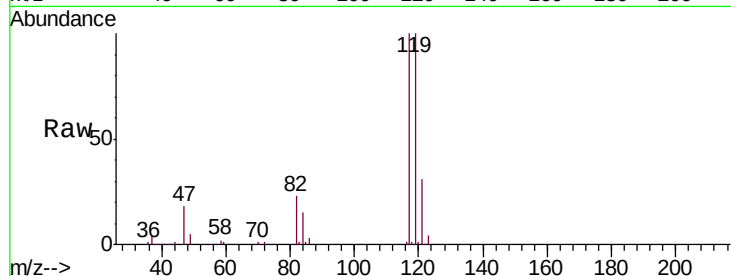
VSTD00543

Tgt Ion:117 Resp: 109192

Ion Ratio Lower Upper

117 100

119 97.7 75.8 113.8



#33

Benzene

Concen: 5.169 ug/L

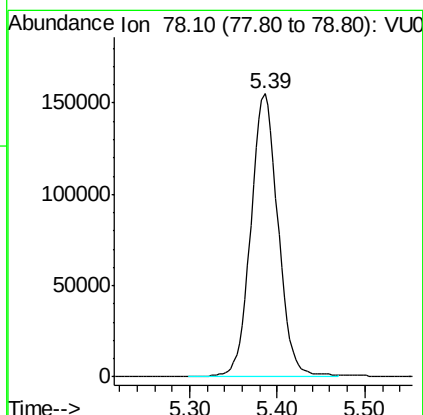
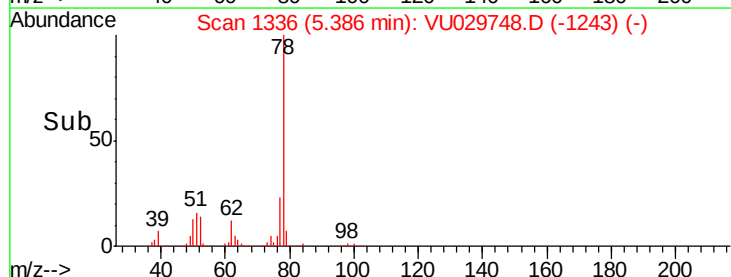
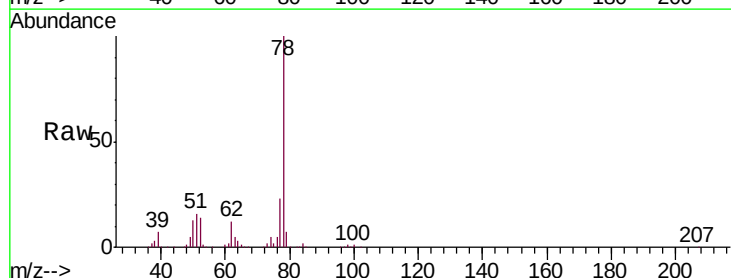
RT: 5.39 min Scan# 1336

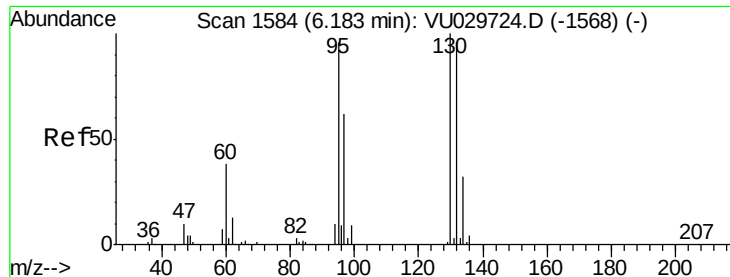
Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Tgt Ion: 78 Resp: 335749





#34

Trichloroethene

Concen: 4.957 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

Tgt Ion: 95 Resp: 89882

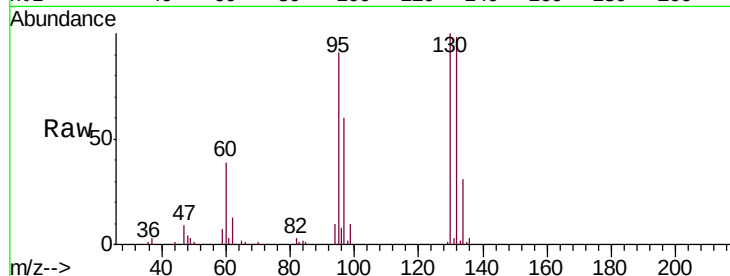
Ion Ratio Lower Upper

95 100

97 65.8 45.6 84.8

132 108.0 72.9 135.3

130 109.7 77.5 143.9

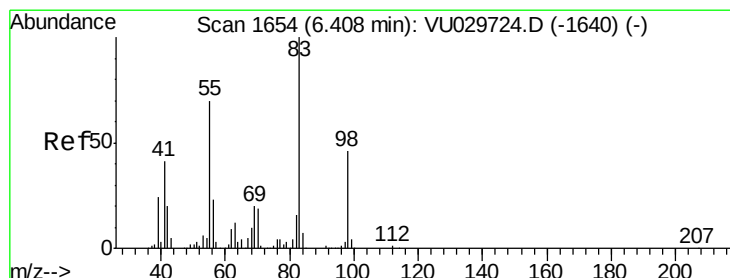
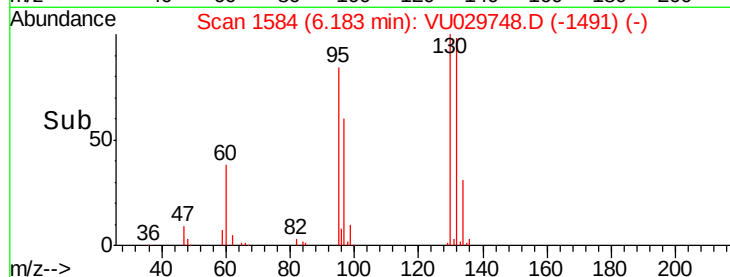
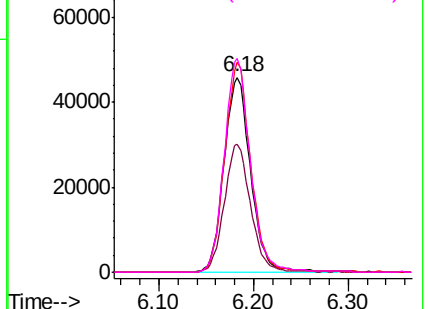


Abundance Ion 95.00 (94.70 to 95.70): VU029748.D (-1568) (-)

Ion 96.95 (96.65 to 97.65): VU029748.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU029748.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU029748.D (-1568) (-)



#35

Methylcyclohexane

Concen: 4.882 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

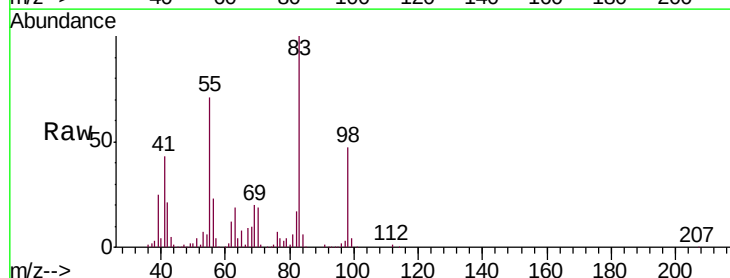
Tgt Ion: 83 Resp: 143578

Ion Ratio Lower Upper

83 100

55 70.9 56.5 84.7

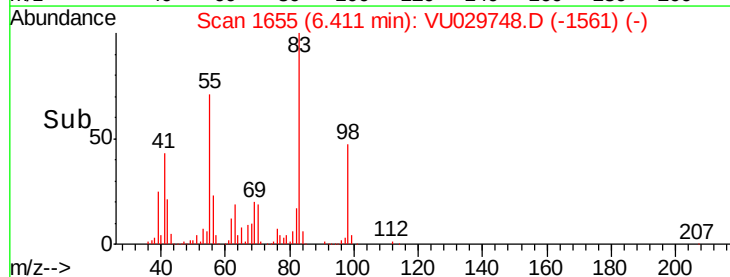
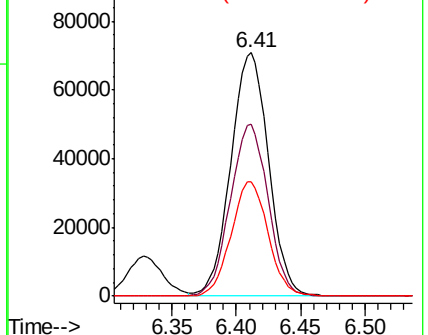
98 46.2 39.4 59.2

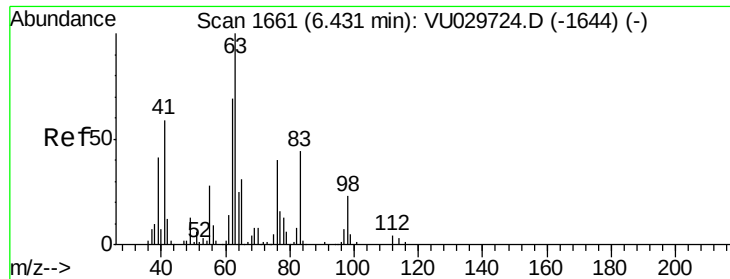


Abundance Ion 83.15 (82.85 to 83.85): VU029748.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU029748.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU029748.D (-1640) (-)

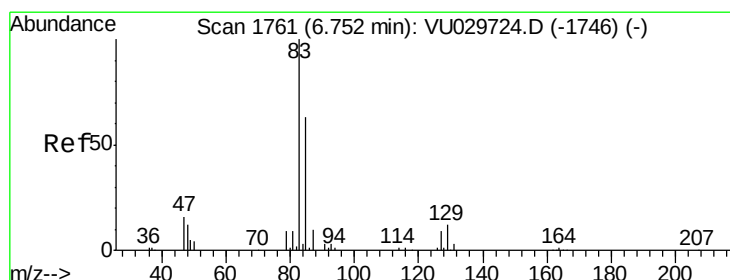
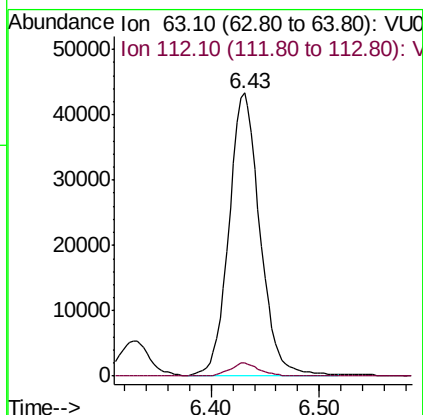
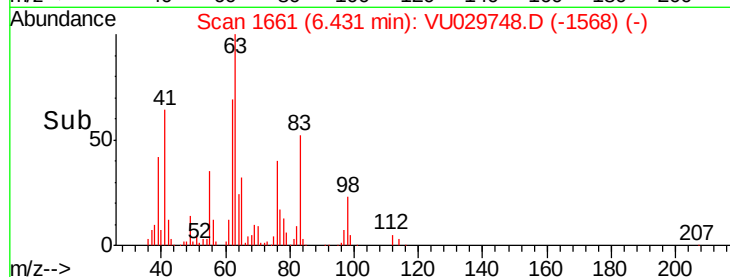
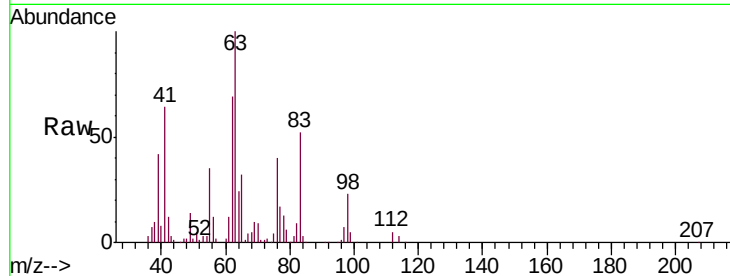




#37
 1,2-Dichloropropane
 Concen: 5.237 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

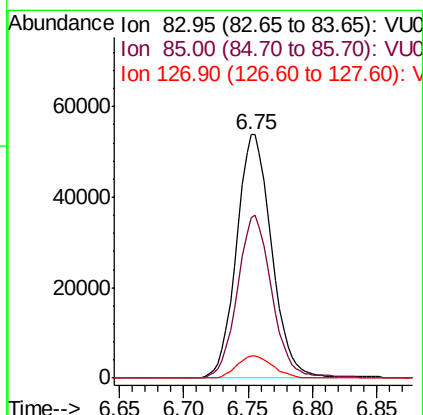
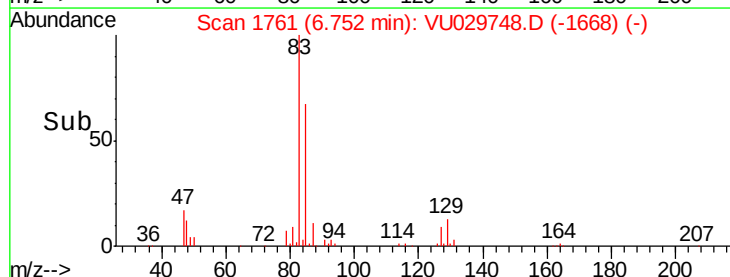
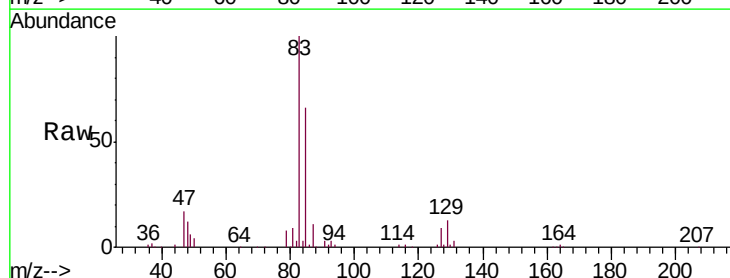
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

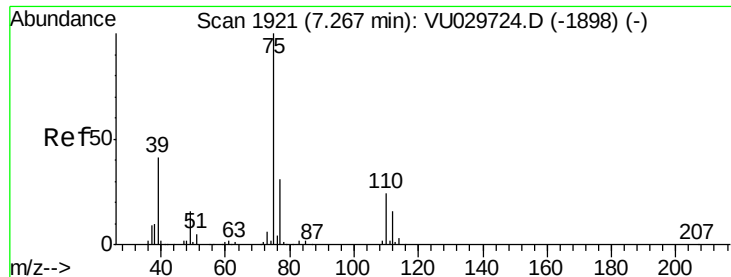
Tgt Ion: 63 Resp: 85689
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.991 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 83 Resp: 101951
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.1 85.5
 127 9.3 7.5 11.3

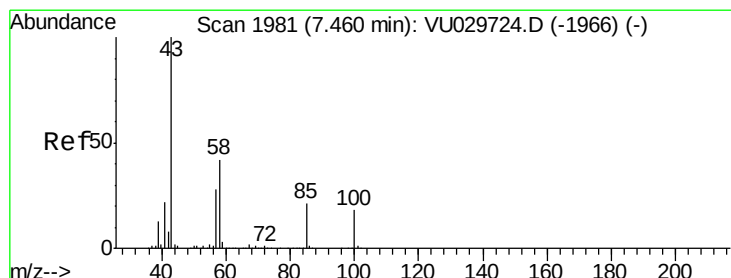
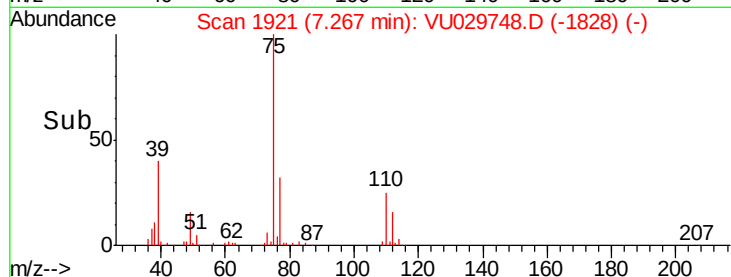
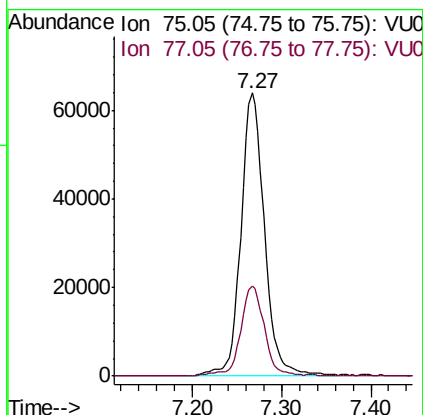
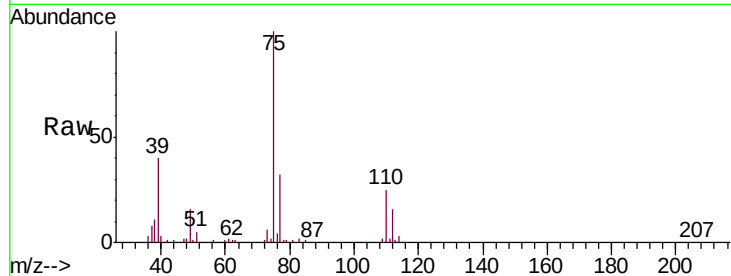




#39
 cis-1,3-Dichloropropene
 Concen: 4.907 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

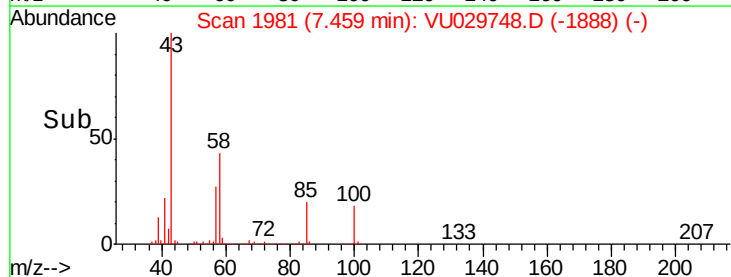
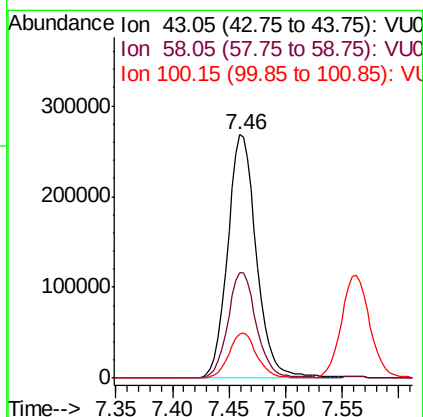
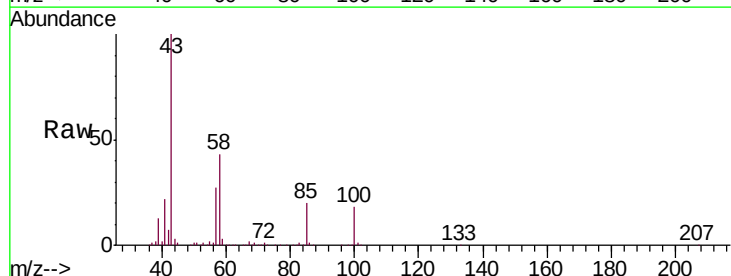
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

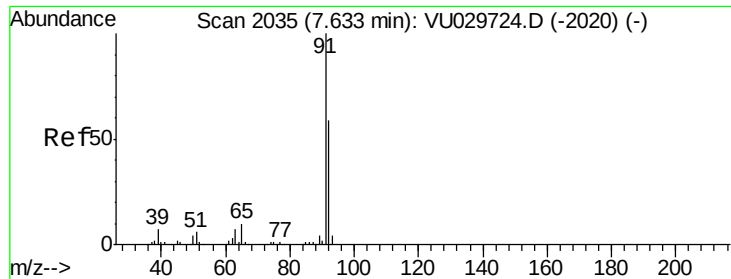
Tgt Ion: 75 Resp: 117521
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 51.626 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 43 Resp: 474801
 Ion Ratio Lower Upper
 43 100
 58 43.1 33.8 50.8
 100 18.0 14.2 21.2





#42

Toluene

Concen: 5.062 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

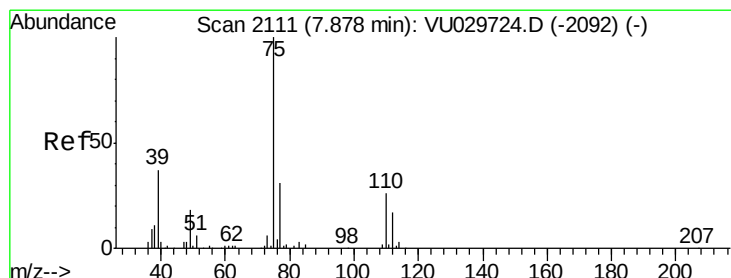
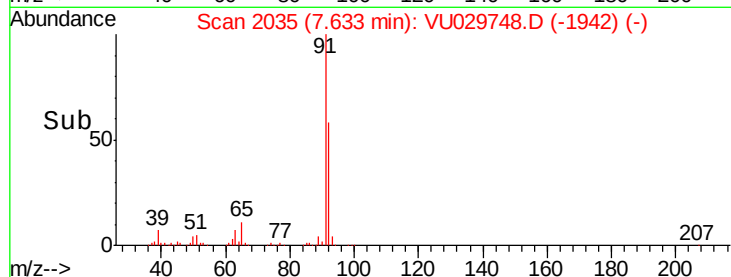
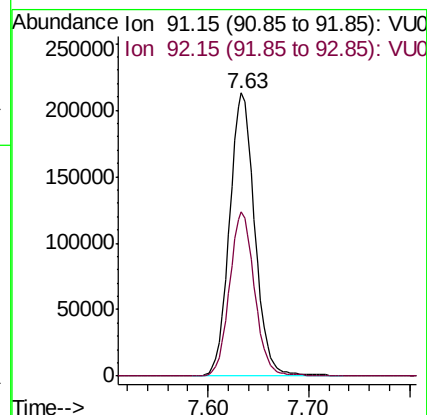
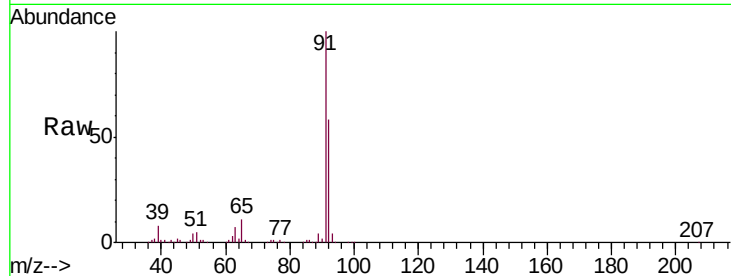
VSTD00543

Tgt Ion: 91 Resp: 372955

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 5.043 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029748.D

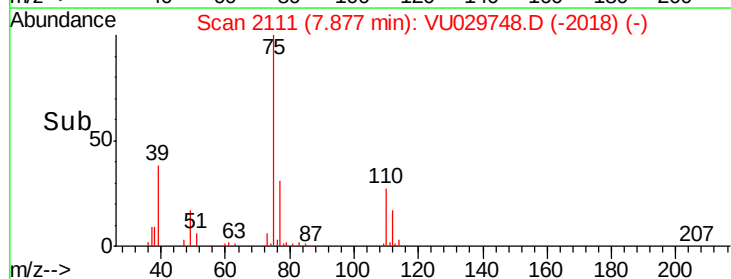
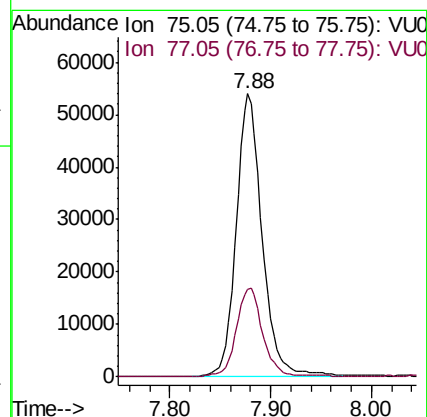
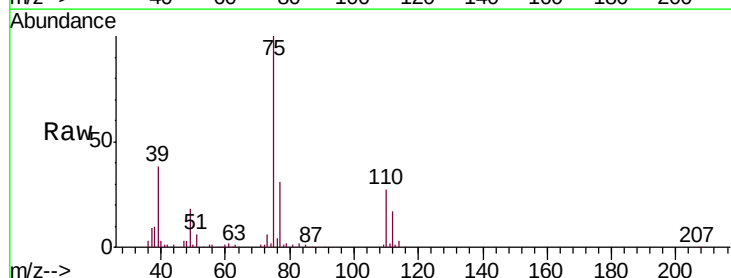
Acq: 28 Feb 2019 19:14

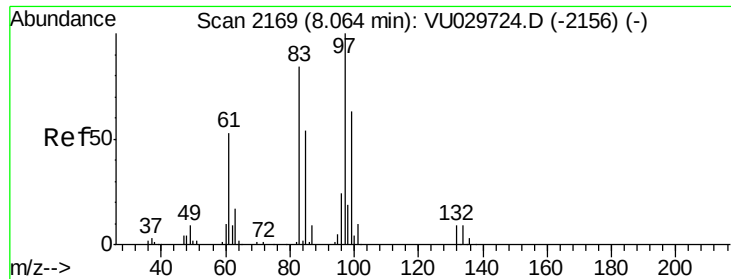
Tgt Ion: 75 Resp: 96949

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2

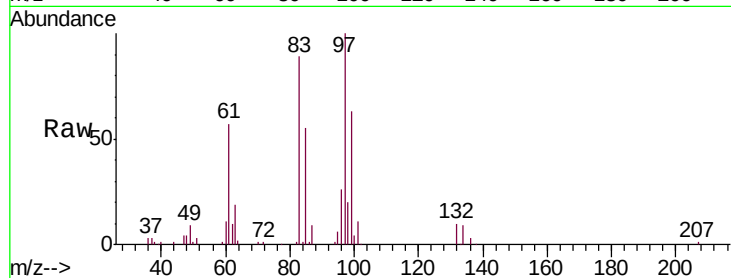




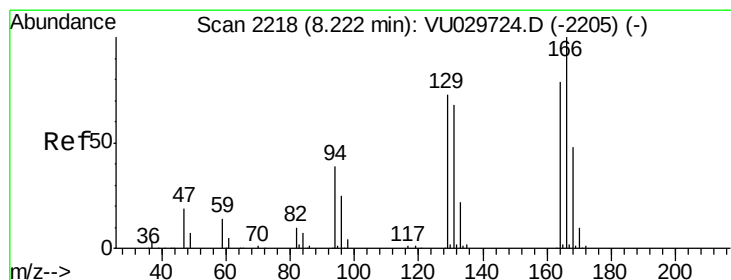
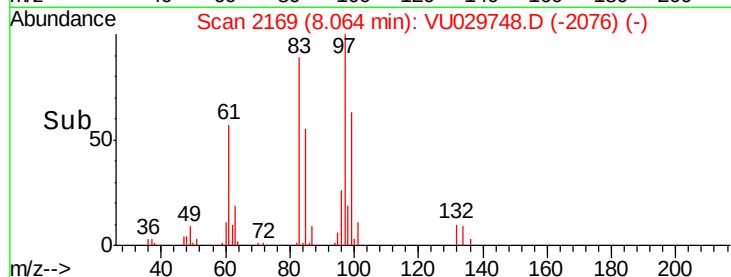
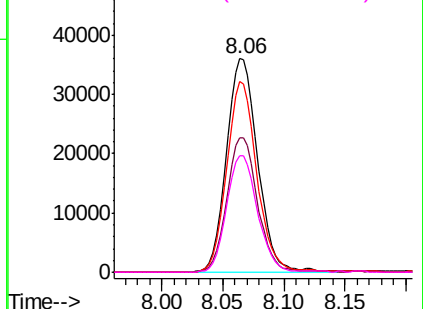
#45
 1,1,2-Trichloroethane
 Concen: 5.049 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion: 97 Resp: 64704
 Ion Ratio Lower Upper
 97 100
 99 63.2 45.3 84.1
 83 89.1 59.6 110.6
 85 54.7 39.8 74.0

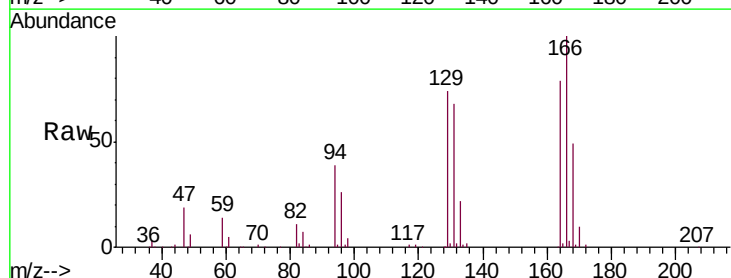


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

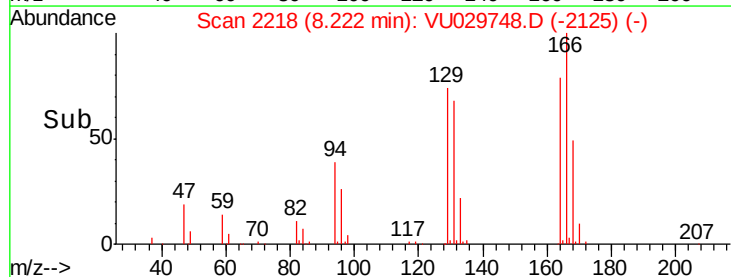
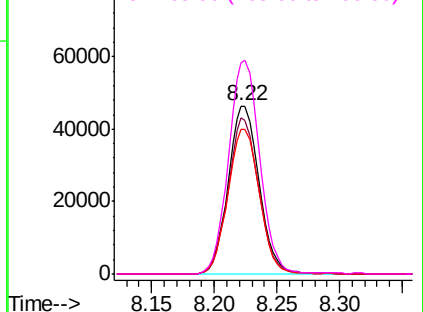


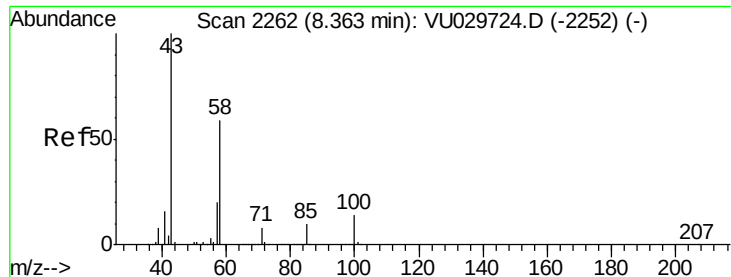
#47
 Tetrachloroethene
 Concen: 4.740 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 164 Resp: 79824
 Ion Ratio Lower Upper
 164 100
 129 92.9 62.9 116.7
 131 86.0 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

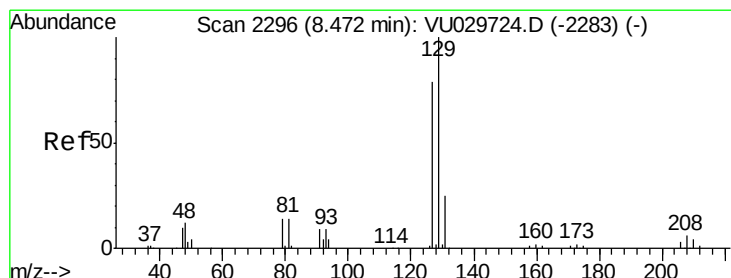
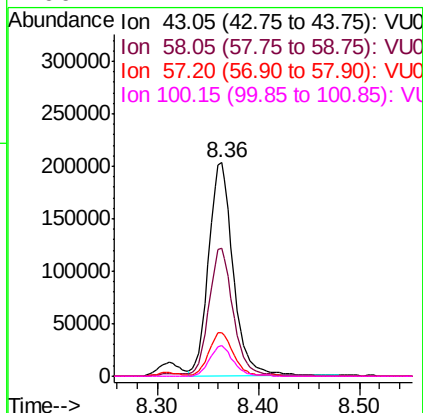
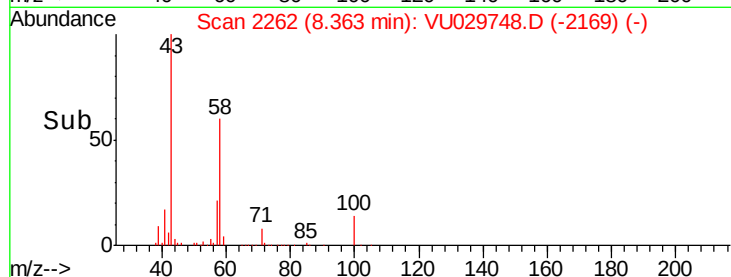
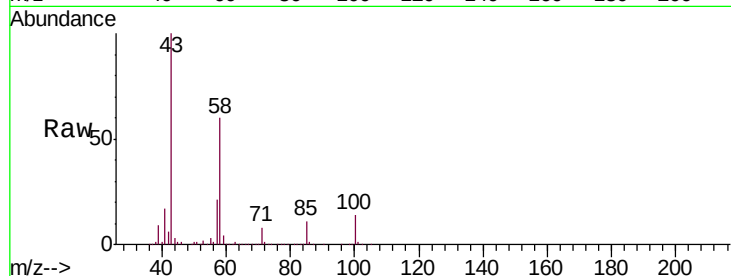




#48
2-Hexanone
Concen: 50.924 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

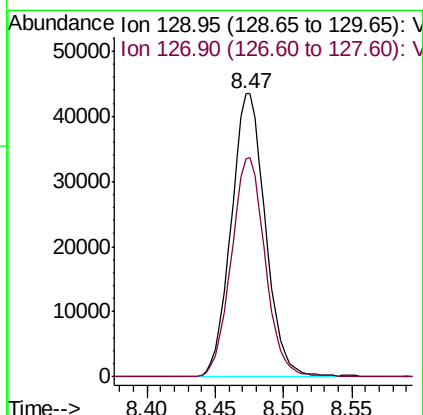
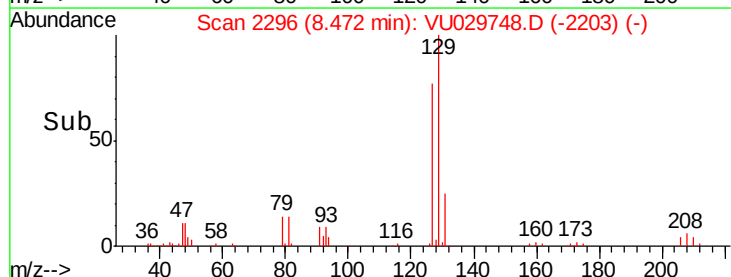
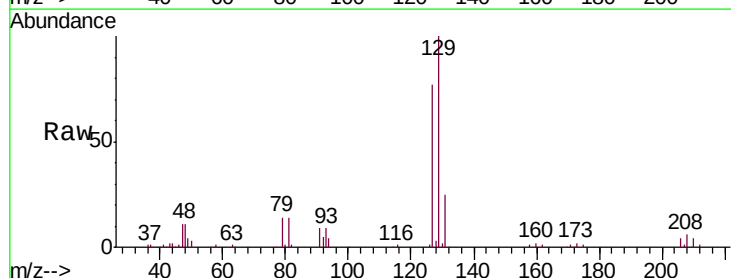
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

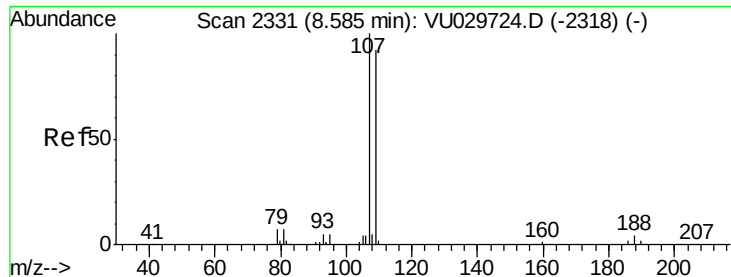
Tgt Ion:	43	Resp:	342525
Ion	Ratio	Lower	Upper
43	100		
58	59.1	46.6	69.8
57	20.6	15.9	23.9
100	14.1	11.4	17.2



#49
Dibromochloromethane
Concen: 4.872 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion:	129	Resp:	75623
Ion	Ratio	Lower	Upper
129	100		
127	76.9	52.5	97.5

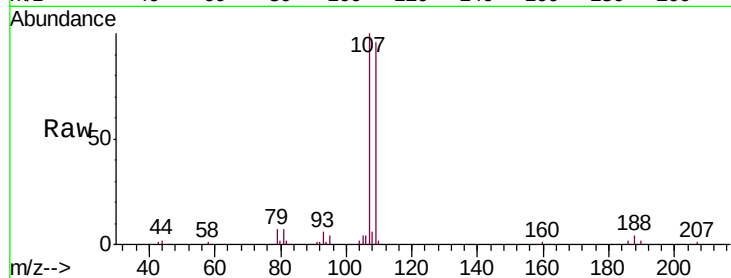




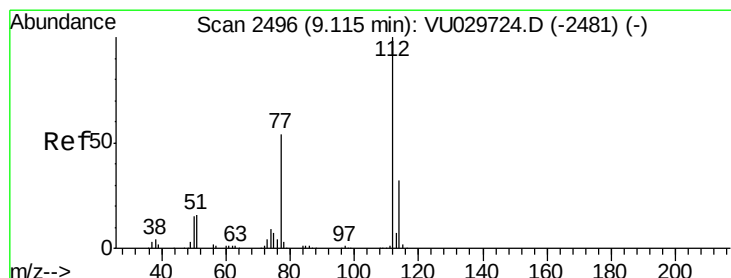
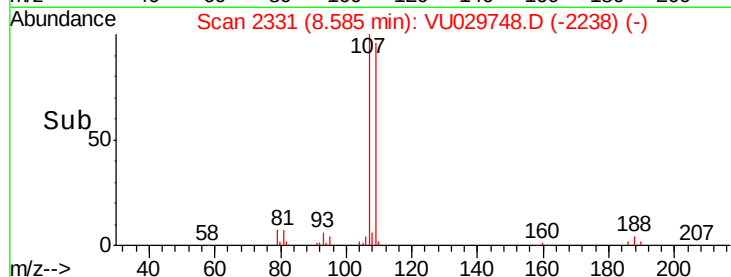
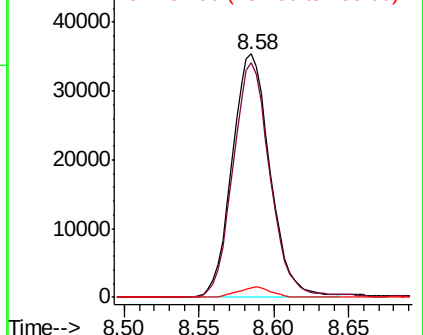
#50
1,2-Dibromoethane
Concen: 4.987 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion:107 Resp: 62557
Ion Ratio Lower Upper
107 100
109 96.5 65.8 122.2
188 4.1 3.3 4.9

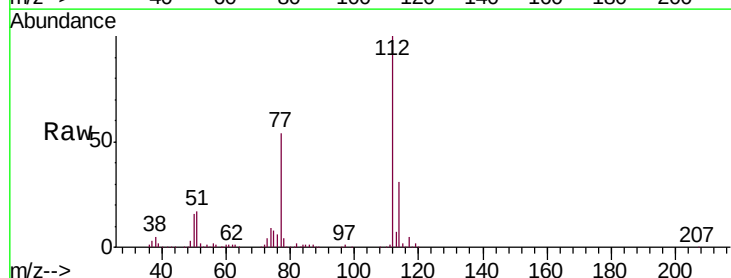


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

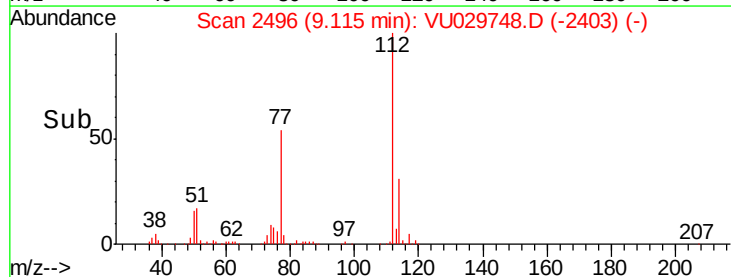
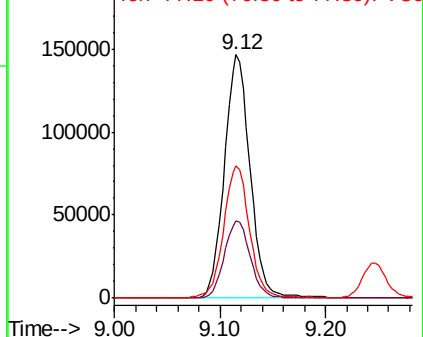


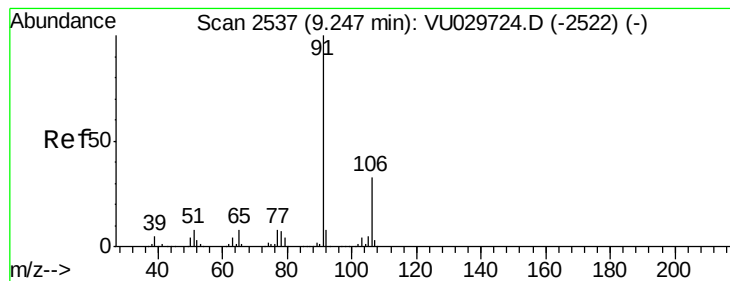
#51
Chlorobenzene
Concen: 4.881 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion:112 Resp: 247039
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.3
77 54.4 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: 4.932 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

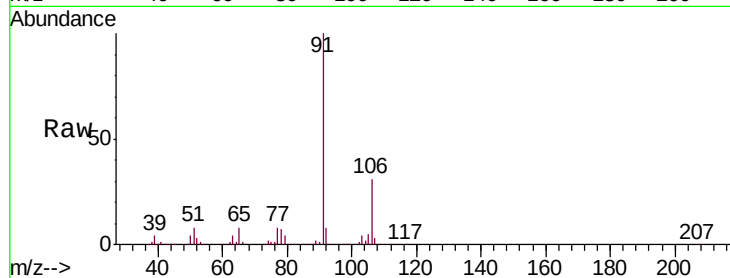
VSTD00543

Tgt Ion: 91 Resp: 406396

Ion Ratio Lower Upper

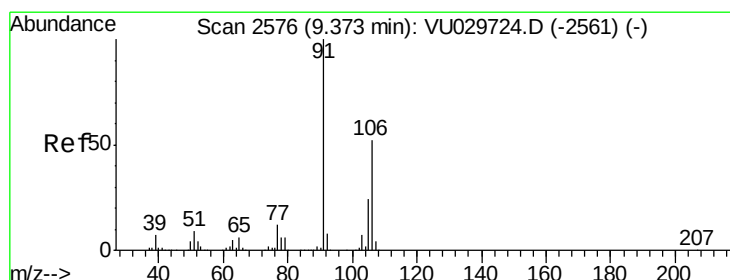
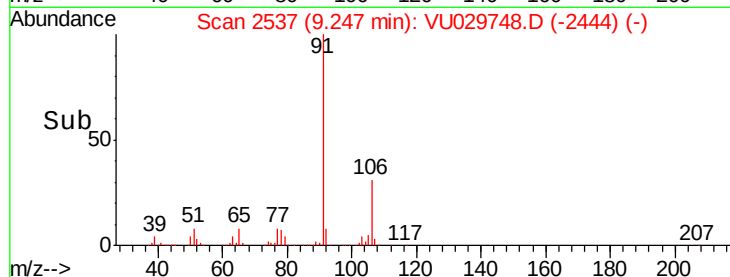
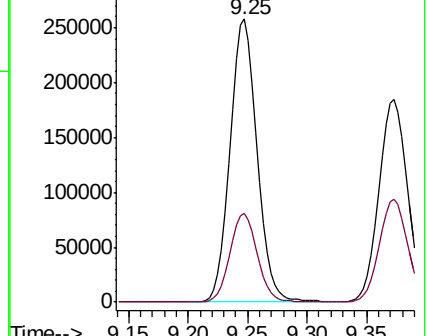
91 100

106 31.2 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VU029748.D (-2522) (-)

Ion 106.15 (105.85 to 106.85): VU029748.D (-2522) (-)



#53

m,p-xylene

Concen: 4.767 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029748.D

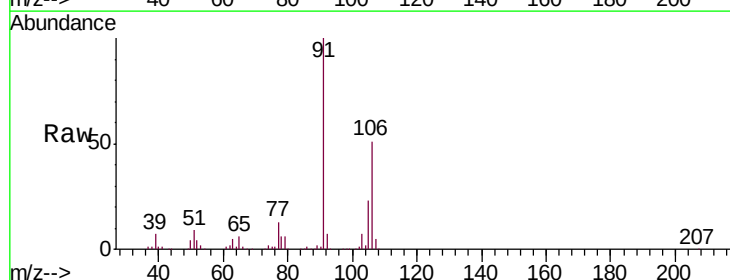
Acq: 28 Feb 2019 19:14

Tgt Ion: 106 Resp: 157495

Ion Ratio Lower Upper

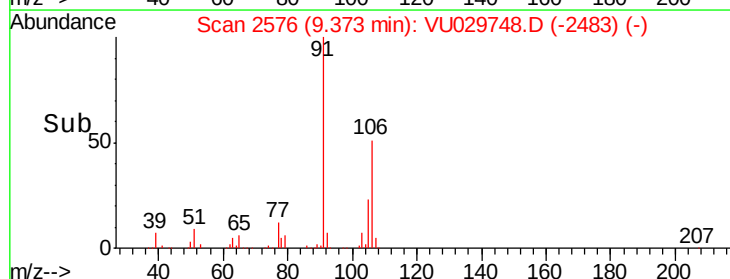
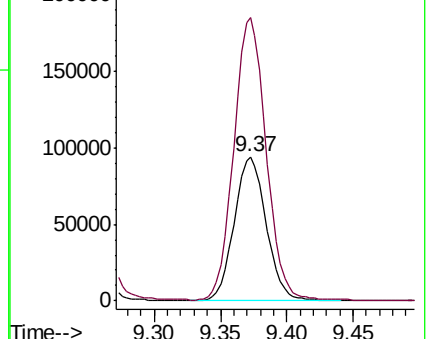
106 100

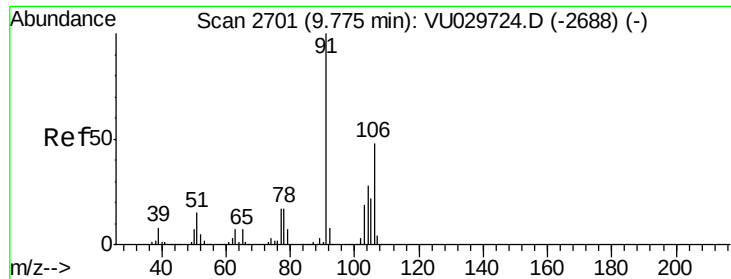
91 196.4 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): VU029748.D (-2561) (-)

Ion 91.15 (90.85 to 91.85): VU029748.D (-2561) (-)

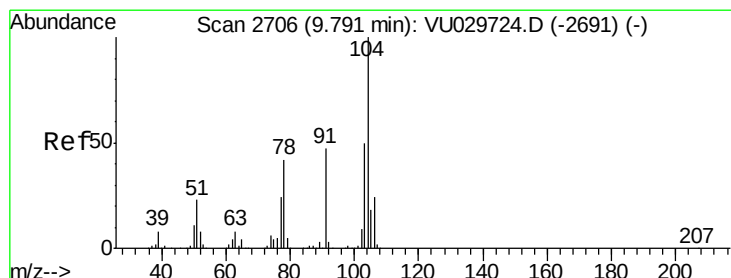
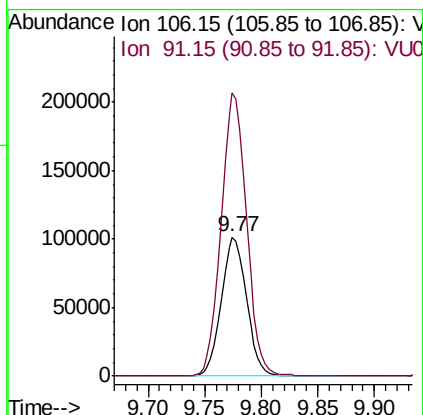
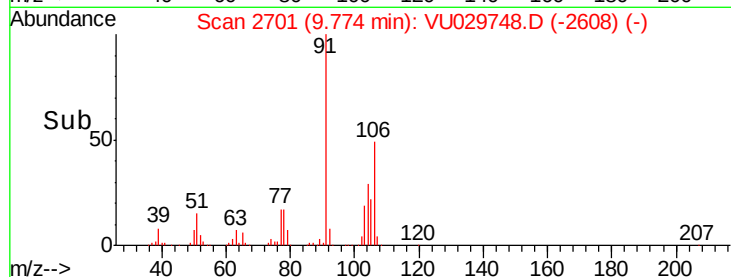
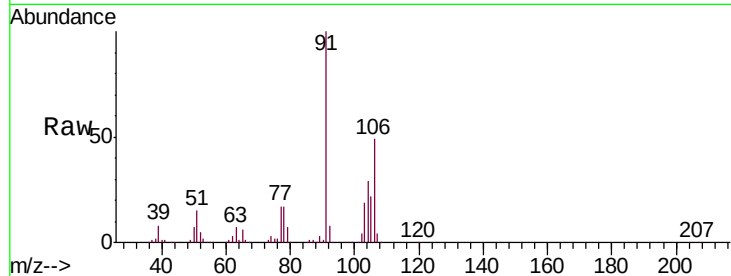




#54
o-xylene
Concen: 4.980 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

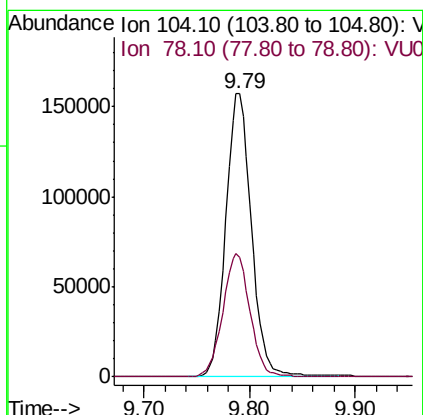
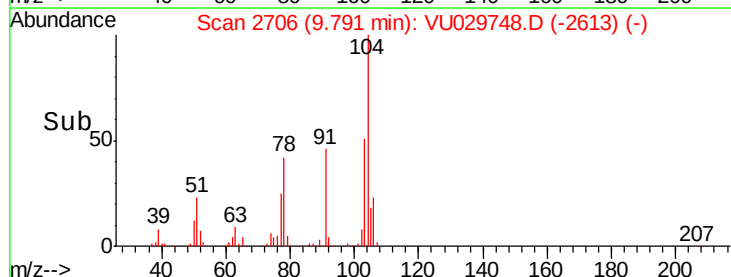
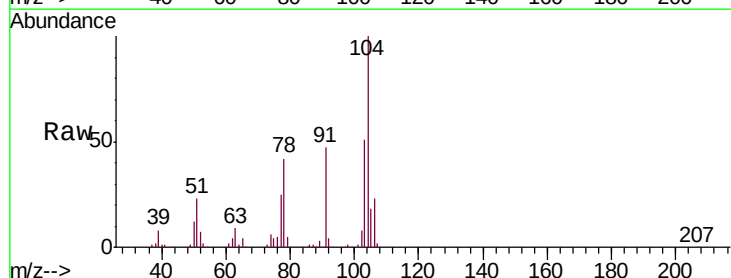
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

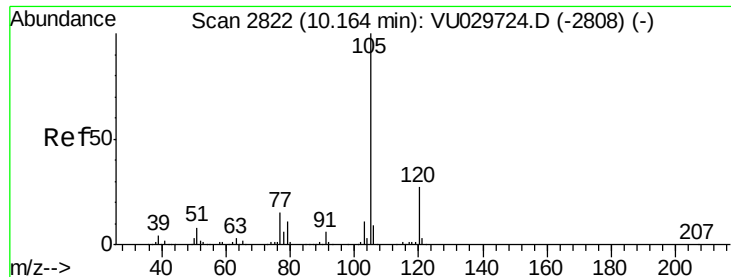
Tgt Ion:106 Resp: 158424
Ion Ratio Lower Upper
106 100
91 204.1 145.7 270.5



#55
Styrene
Concen: 4.979 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion:104 Resp: 264607
Ion Ratio Lower Upper
104 100
78 42.0 29.2 54.2

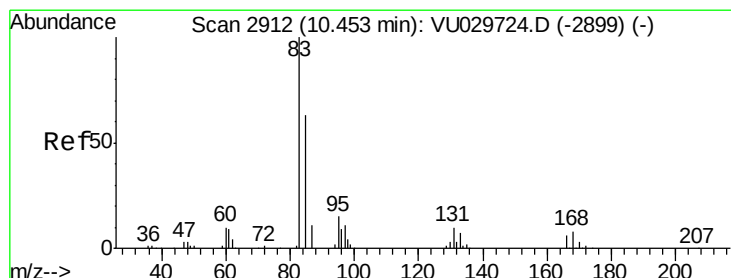
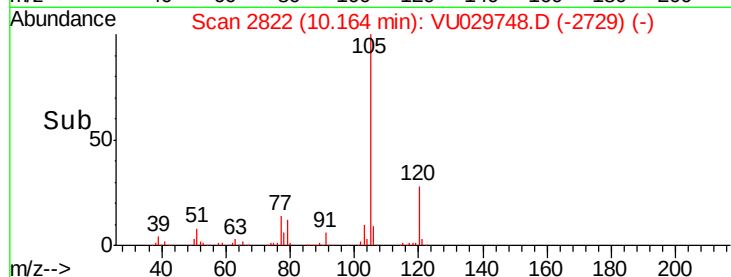
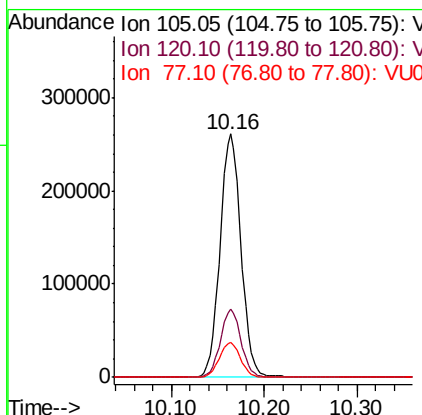
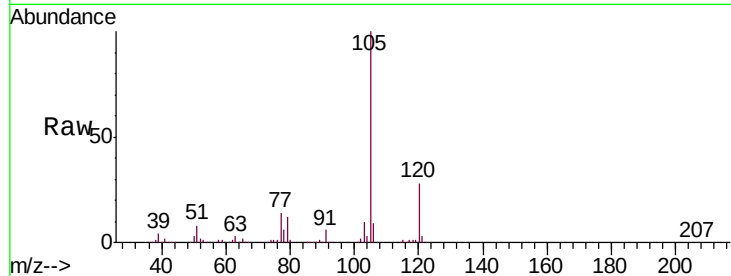




#56
Isopropylbenzene
Concen: 4.791 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

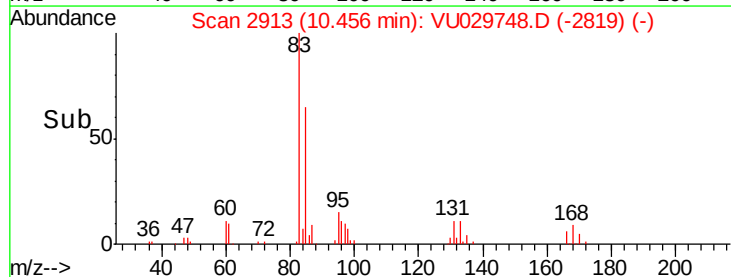
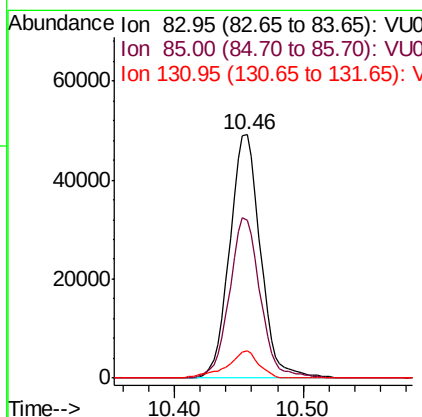
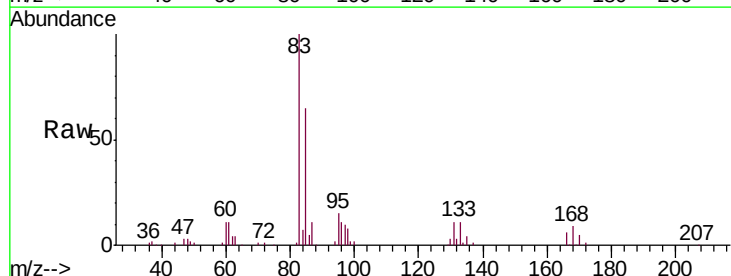
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

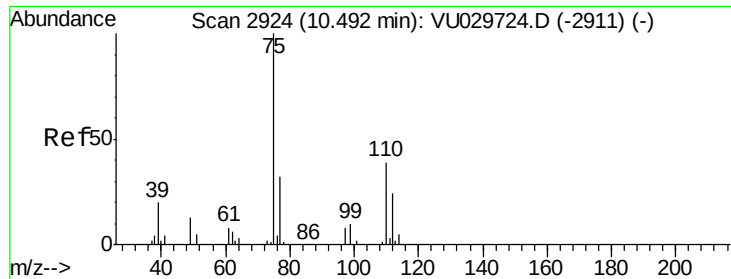
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	21.8	32.6
77	14.5	11.5	17.3



#58
1,1,2,2-Tetrachloroethane
Concen: 5.157 ug/L
RT: 10.46 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VU029748.D
Acq: 28 Feb 2019 19:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.9	83.3
131	11.1	8.9	13.3

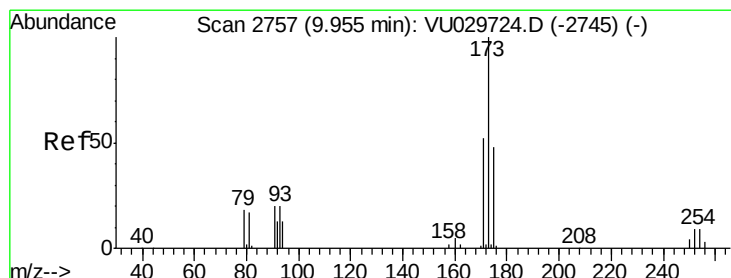
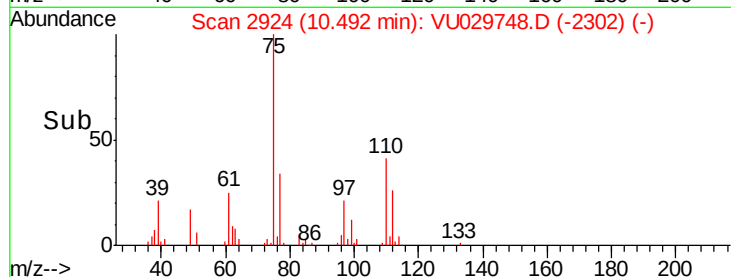
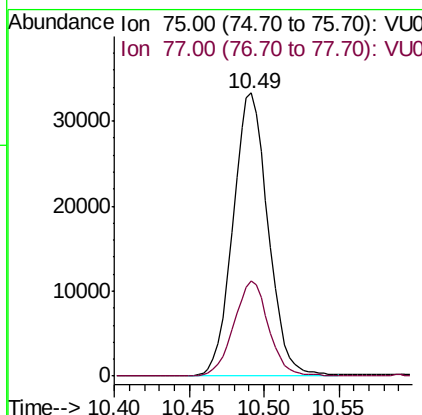
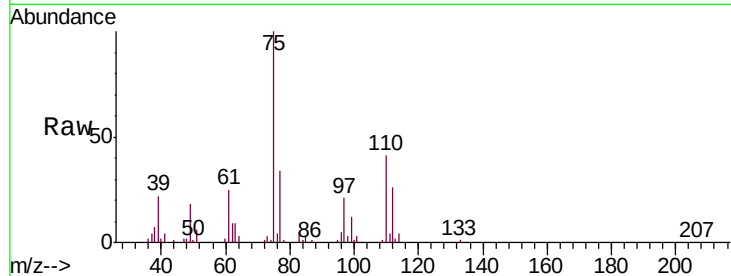




#59
 1,2,3-Trichloropropane
 Concen: 4.975 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

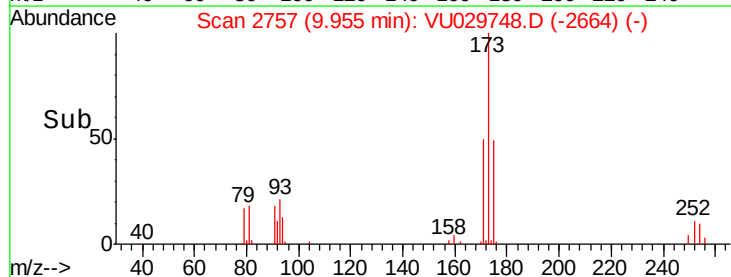
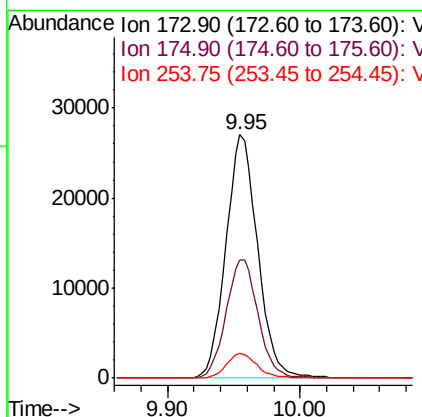
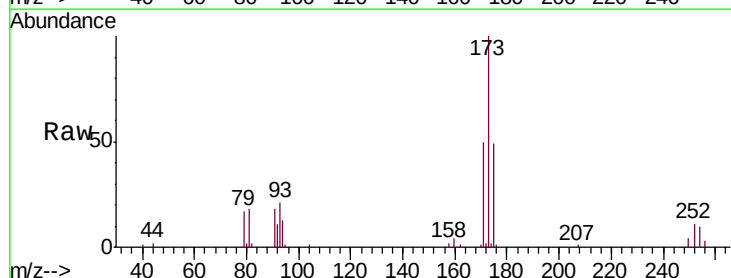
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

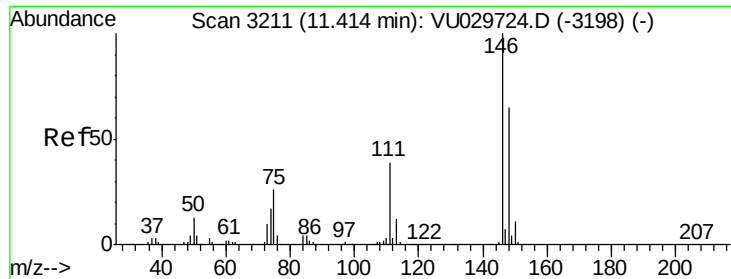
Tgt Ion: 75 Resp: 54369
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.6 38.4



#61
 Bromoform
 Concen: 5.082 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 173 Resp: 44847
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.0 58.6
 254 9.6 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 4.731 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

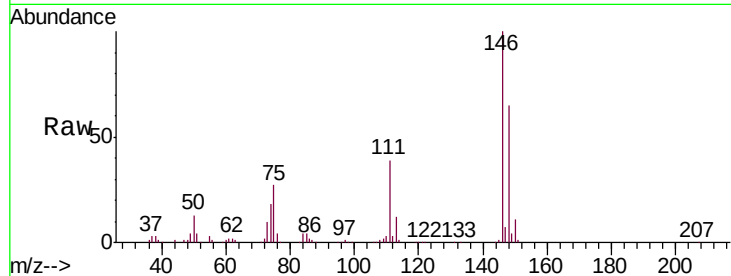
Tgt Ion:146 Resp: 199865

Ion Ratio Lower Upper

146 100

111 38.7 25.7 47.7

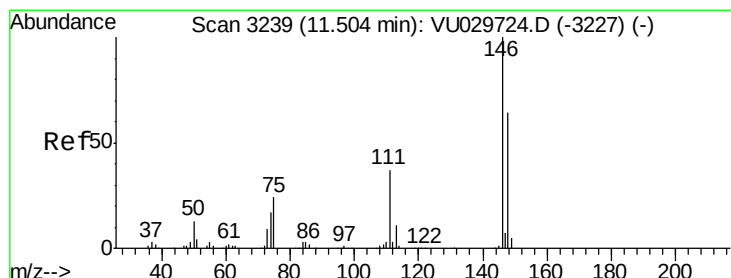
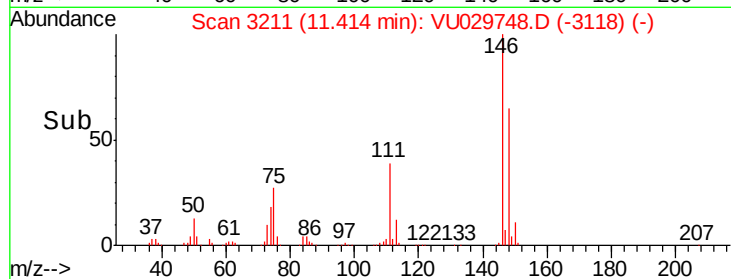
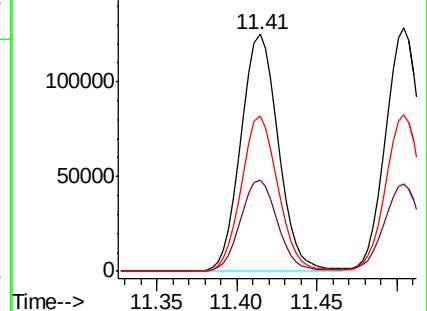
148 65.4 44.0 81.8



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: 4.828 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

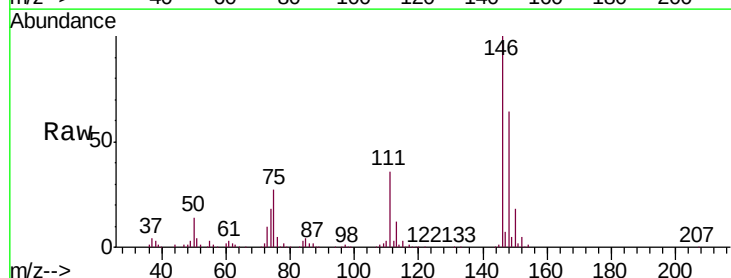
Tgt Ion:146 Resp: 206838

Ion Ratio Lower Upper

146 100

111 35.7 25.4 47.2

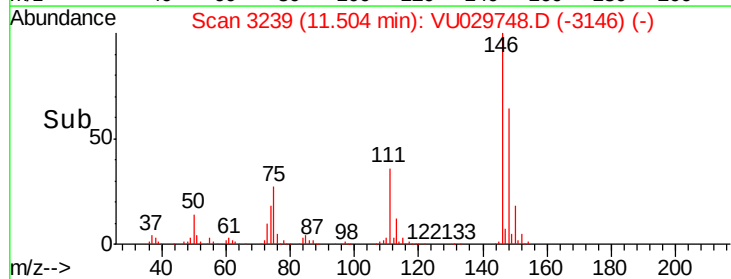
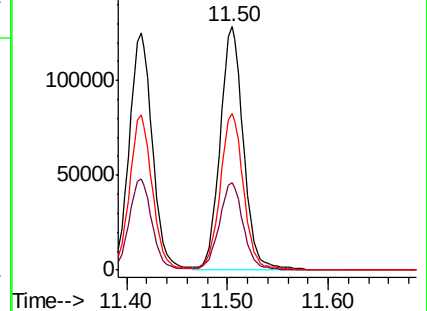
148 64.3 43.7 81.1

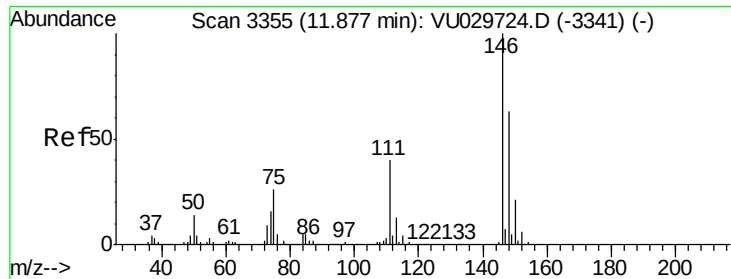


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

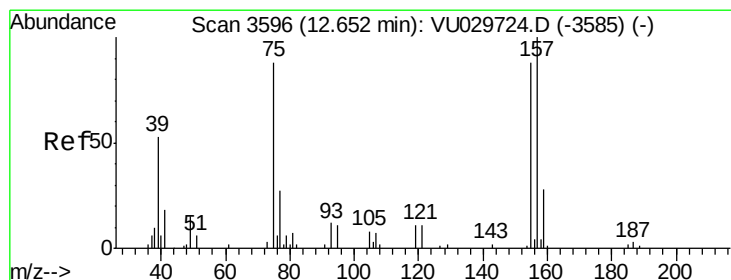
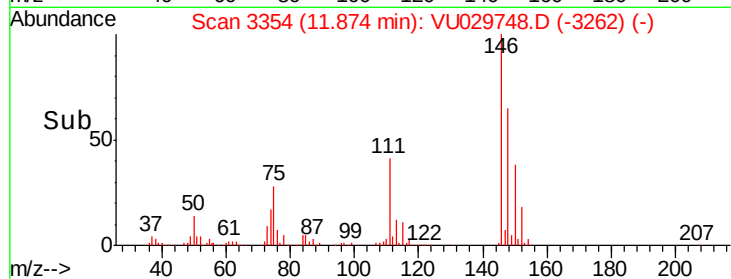
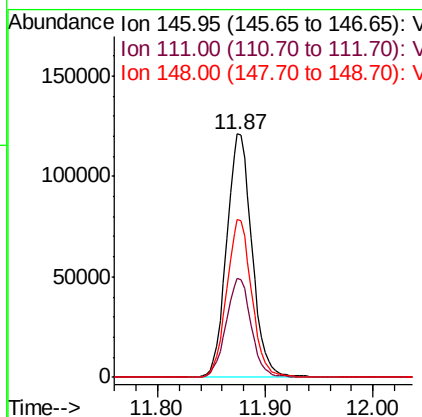
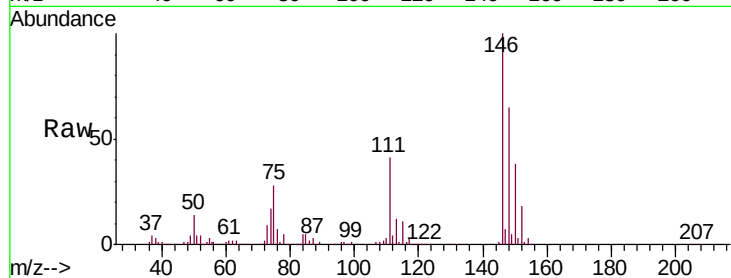




#65
 1,2-Dichlorobenzene
 Concen: 4.859 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

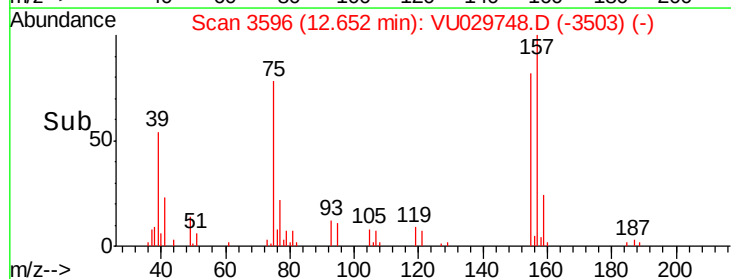
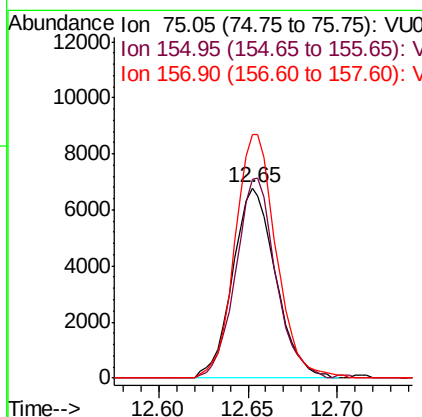
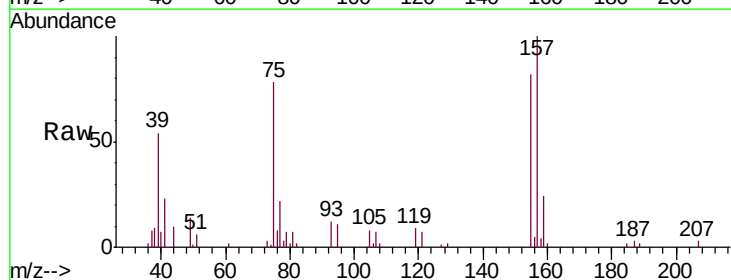
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

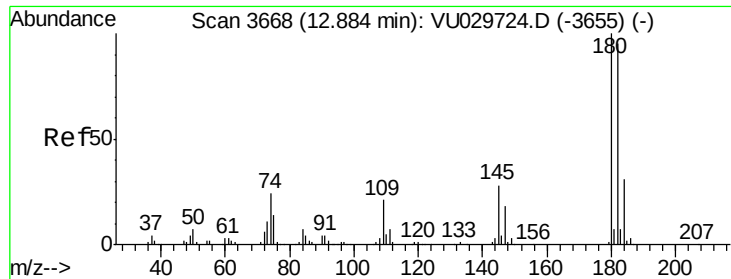
Tgt Ion:146 Resp: 198167
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.2 48.2
 148 64.8 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.741 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 75 Resp: 11367
 Ion Ratio Lower Upper
 75 100
 155 104.8 75.5 113.3
 157 128.2 93.8 140.6

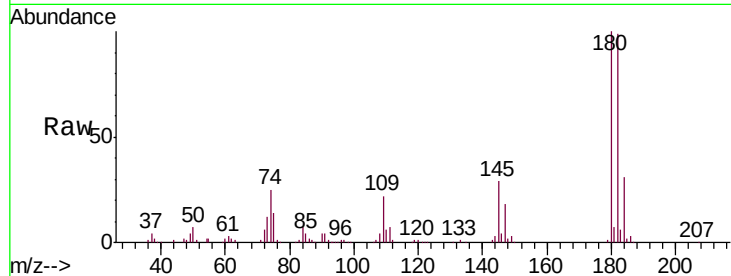




#67
 1,3,5-Trichlorobenzene
 Concen: 4.670 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.6
184	30.7	25.0	37.4
145	28.7	22.4	33.6



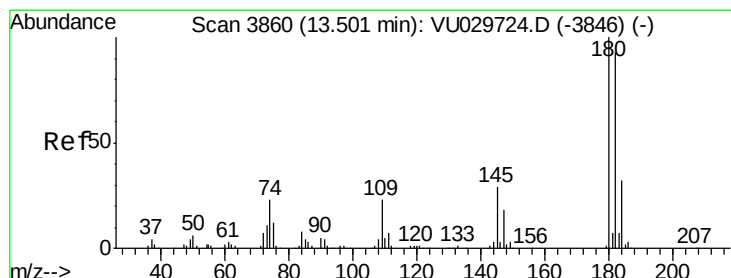
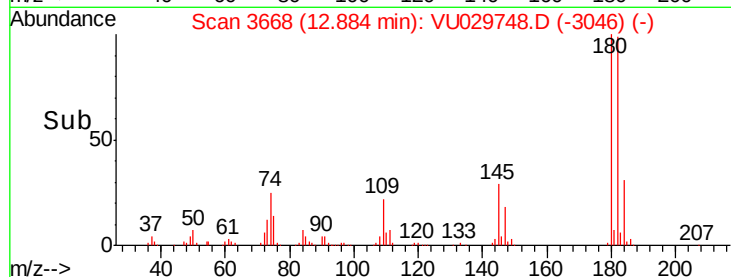
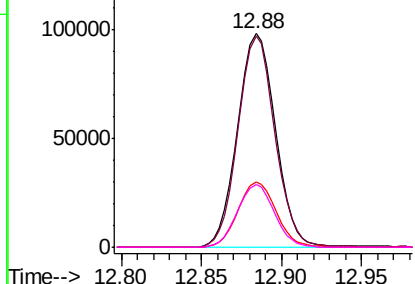
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

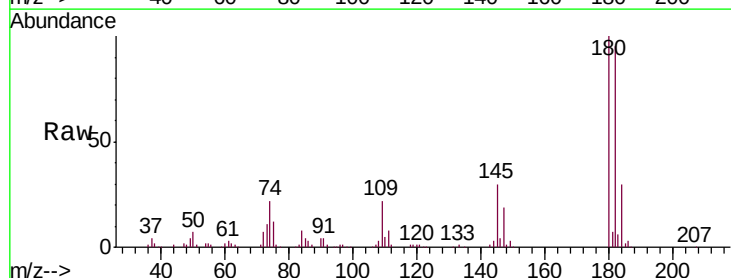
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.702 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029748.D
 Acq: 28 Feb 2019 19:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
145	29.0	22.4	33.6

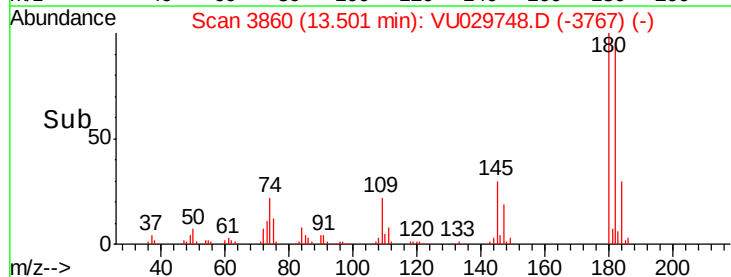
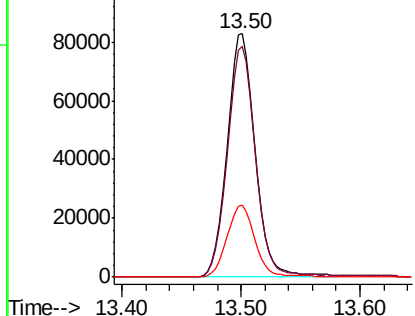


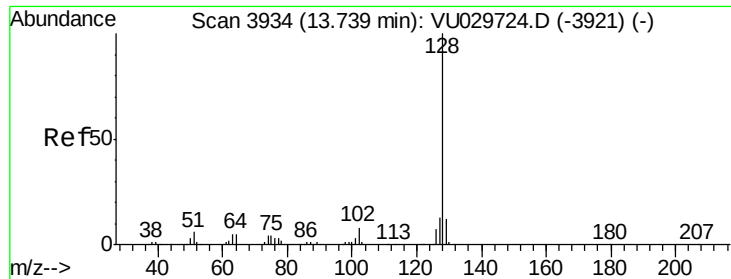
Abundance

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: 4.945 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

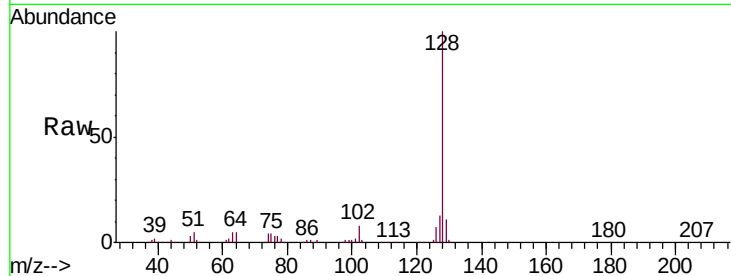
Tgt Ion:128 Resp: 219750

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

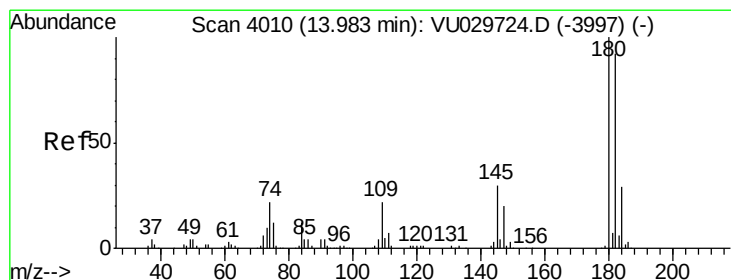
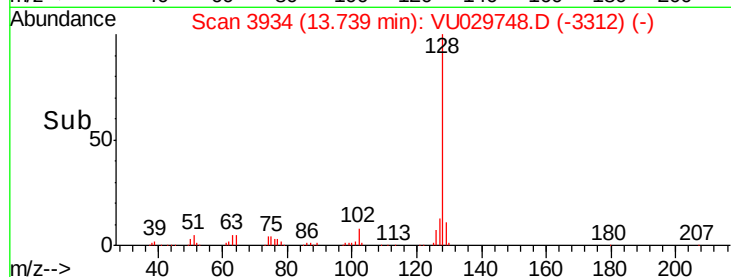
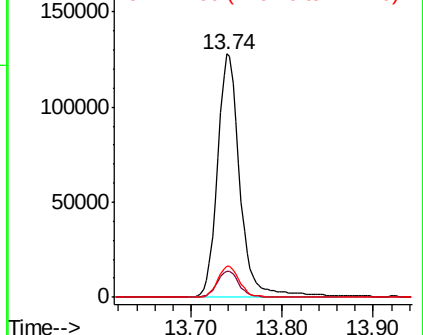
127 12.5 10.0 15.0



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



#70

1,2,3-Trichlorobenzene

Concen: 4.789 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029748.D

Acq: 28 Feb 2019 19:14

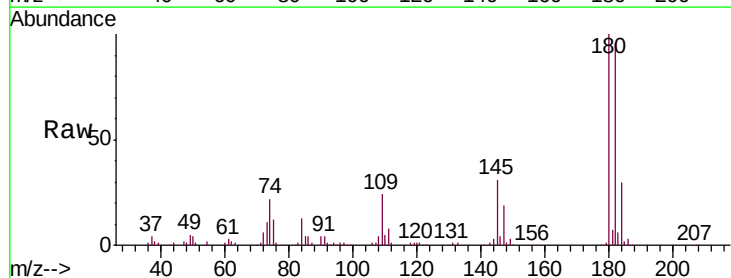
Tgt Ion:180 Resp: 128918

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.4

145 30.3 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

