

Data File : VU029750.D
Acq On : 01 Mar 2019 08:52
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Quant Time: Mar 01 22:11:49 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	244872	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	238660	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	128490	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65035	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.68	69	66673	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.27	63	138661	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.19	46	220368	60.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.90%
24) Chloroform-d	4.65	84	129673	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.31	65	76826	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.34	84	293731	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	94431	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.56	98	274730	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.85	79	37146	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.31	63	213174	59.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.86%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85980	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	119746	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	99124	5.185 ug/L	98
3) Chloromethane	1.32	50	87968	5.325 ug/L	100
5) Vinyl chloride	1.40	62	100387	4.807 ug/L	98
6) Bromomethane	1.63	94	61858	5.350 ug/L	97
8) Chloroethane	1.70	64	61720	4.562 ug/L	96
9) Trichlorofluoromethane	1.88	101	139945	4.519 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	88342	4.623 ug/L	99
12) 1,1-Dichloroethene	2.28	96	82297	4.530 ug/L	95
13) Acetone	2.33	43	121046	46.600 ug/L	98
14) Carbon disulfide	2.48	76	262279	4.396 ug/L	100
15) Methyl Acetate	2.62	43	33043	4.360 ug/L	100
16) Methylene chloride	2.70	84	90434	4.210 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	200698	4.621 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	88620	4.483 ug/L	99
19) 1,1-Dichloroethane	3.44	63	152543	4.956 ug/L	99
21) 2-Butanone	4.28	43	189339	52.533 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	91410	5.049 ug/L	98

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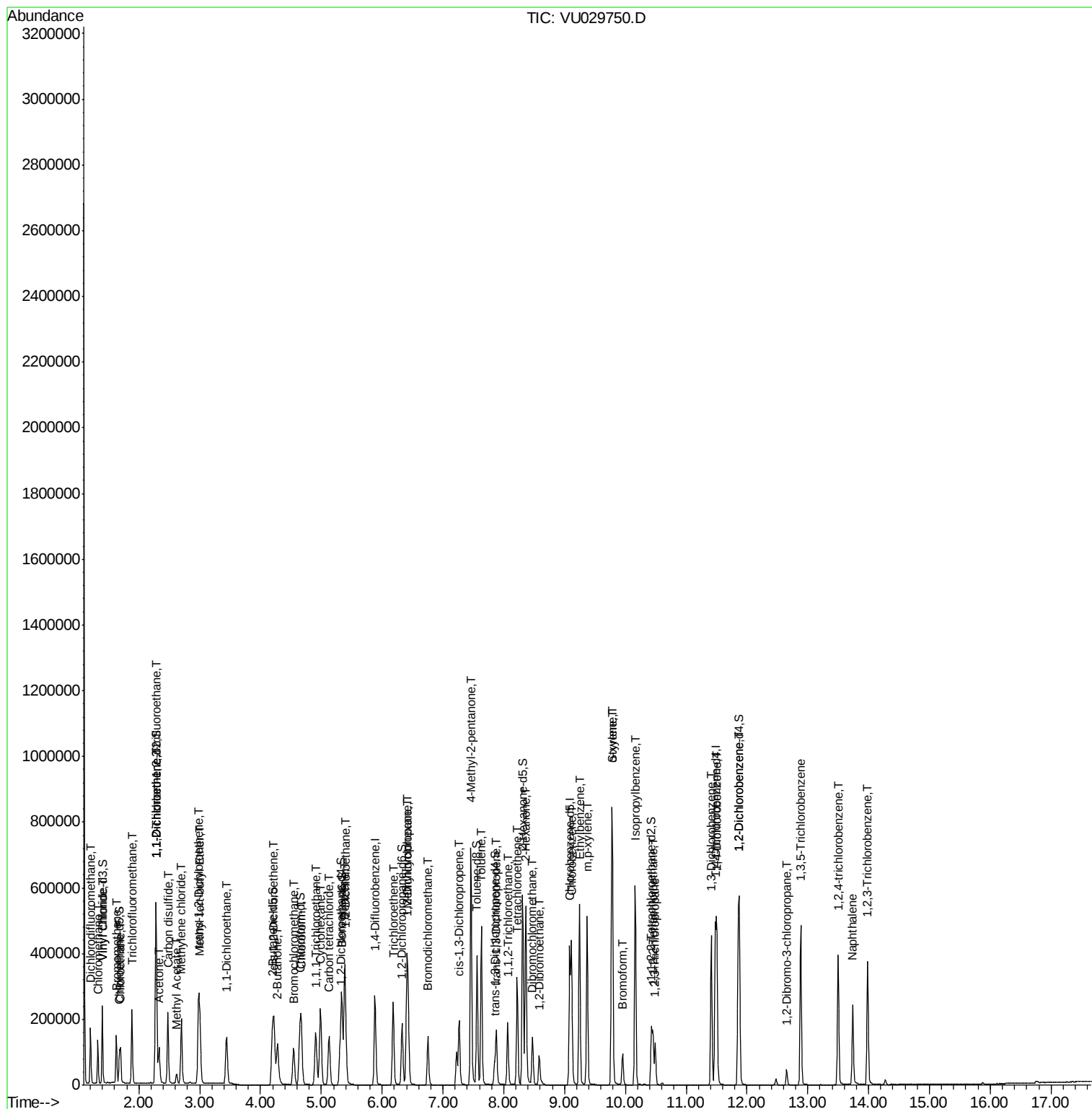
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	41840	5.122	ug/L	97
25) Chloroform	4.67	83	172676	5.604	ug/L	99
27) 1,2-Dichloroethane	5.40	62	91377	5.022	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	127847	5.153	ug/L	99
30) Cyclohexane	4.99	56	124464	5.069	ug/L	100
31) Carbon tetrachloride	5.13	117	110275	5.107	ug/L	99
33) Benzene	5.38	78	328744	5.213	ug/L	100
34) Trichloroethene	6.18	95	89132	5.062	ug/L	97
35) Methylcyclohexane	6.41	83	145530	5.096	ug/L	98
37) 1,2-Dichloropropane	6.43	63	85828	5.402	ug/L	99
38) Bromodichloromethane	6.75	83	103588	5.223	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	122328	5.260	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	459797	51.490	ug/L	99
42) Toluene	7.63	91	363275	5.078	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	98135	5.257	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	62577	5.030	ug/L	98
47) Tetrachloroethene	8.22	164	79164	4.842	ug/L	99
48) 2-Hexanone	8.36	43	334779	51.261	ug/L	98
49) Dibromochloromethane	8.47	129	77849	5.165	ug/L	99
50) 1,2-Dibromoethane	8.58	107	62454	5.128	ug/L	99
51) Chlorobenzene	9.12	112	244165	4.968	ug/L	99
52) Ethylbenzene	9.25	91	399163	4.989	ug/L	99
53) m,p-xylene	9.37	106	155767	4.856	ug/L	96
54) o-xylene	9.78	106	154059	4.988	ug/L	97
55) Styrene	9.79	104	259687	5.033	ug/L	99
56) Isopropylbenzene	10.16	105	410099	4.948	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	80035	5.219	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	53641	5.056	ug/L	96
61) Bromoform	9.95	173	45511	5.341	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	201252	4.933	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	204842	4.951	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	197323	5.010	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	11104	4.796	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	164461	5.006	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	135763	4.891	ug/L	98
69) Naphthalene	13.74	128	220006	5.126	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	129433	4.979	ug/L	98

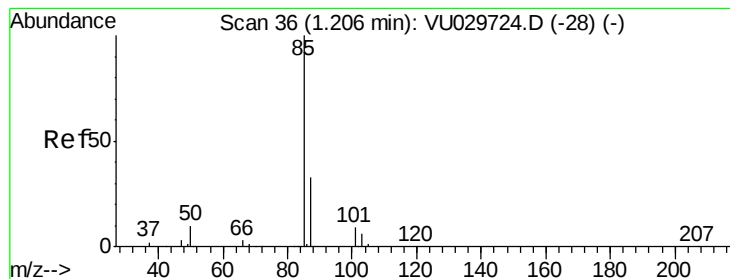
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.185 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

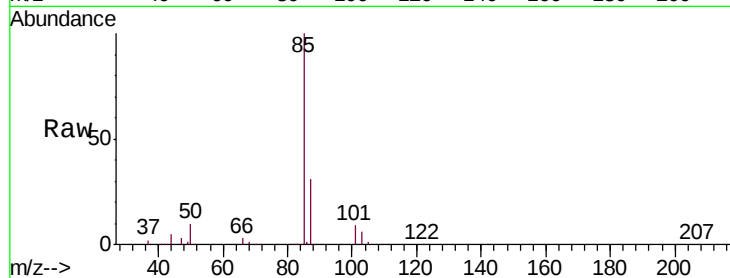
VSTD00544

Tgt Ion: 85 Resp: 99124

Ion Ratio Lower Upper

85 100

87 31.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU029724.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU029724.D (-28) (-)

1.21

100000

80000

60000

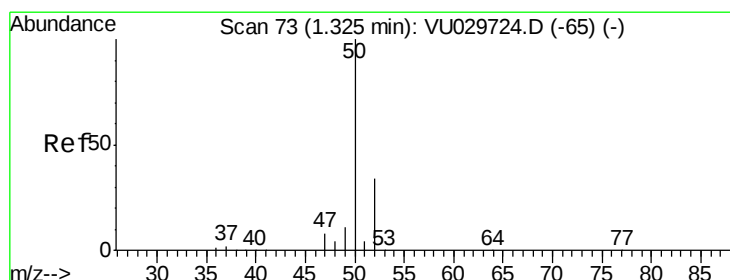
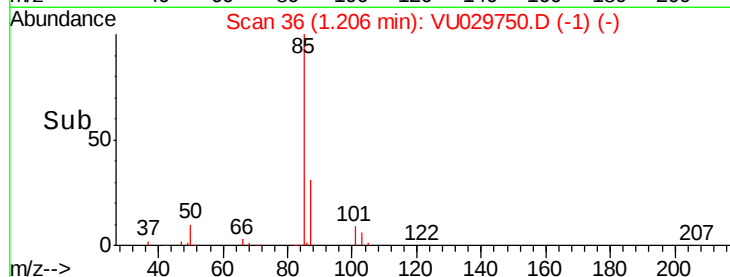
40000

20000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 5.325 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029750.D

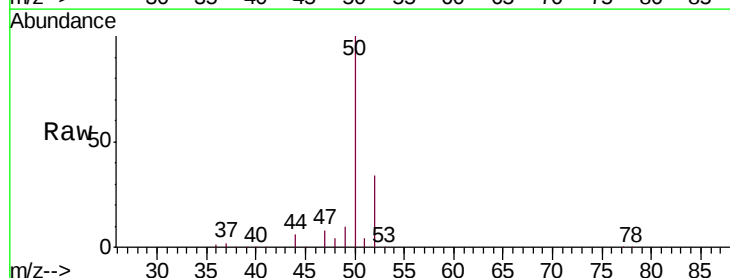
Acq: 01 Mar 2019 08:52

Tgt Ion: 50 Resp: 87968

Ion Ratio Lower Upper

50 100

52 33.8 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU029724.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU029724.D (-65) (-)

1.32

80000

60000

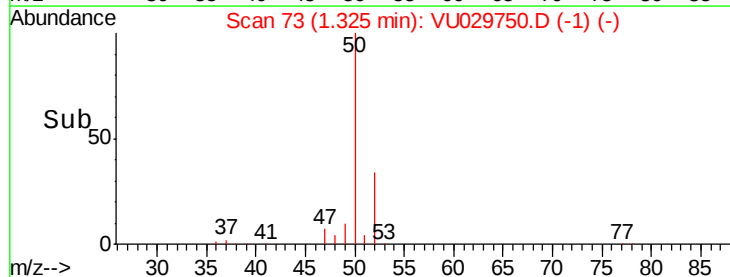
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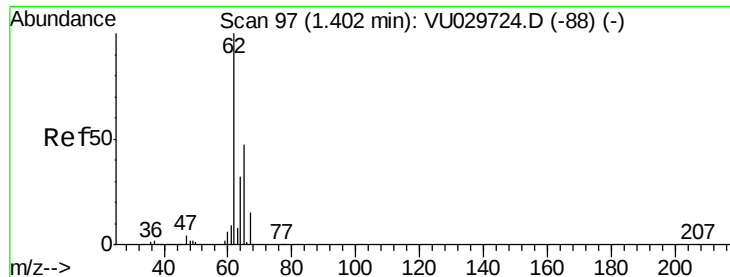
20000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 4.807 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

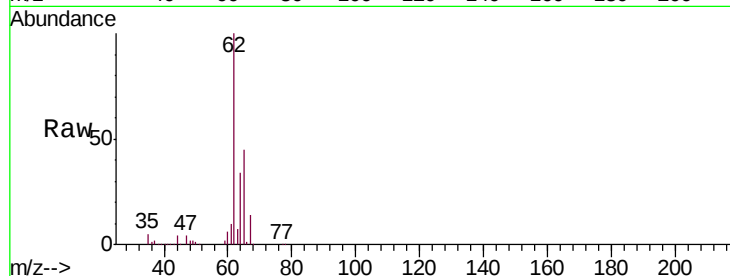
VSTD00544

Tgt Ion: 62 Resp: 100387

Ion Ratio Lower Upper

62 100

64 34.2 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

80000

60000

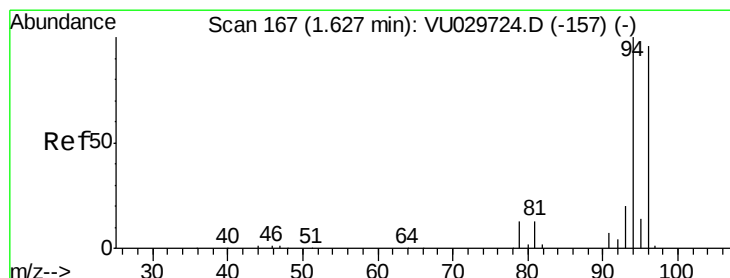
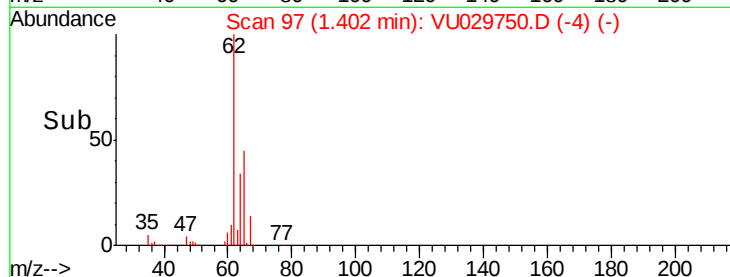
40000

20000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 5.350 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029750.D

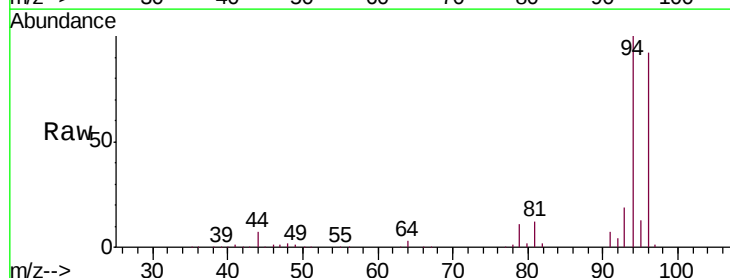
Acq: 01 Mar 2019 08:52

Tgt Ion: 94 Resp: 61858

Ion Ratio Lower Upper

94 100

96 91.5 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

50000

40000

30000

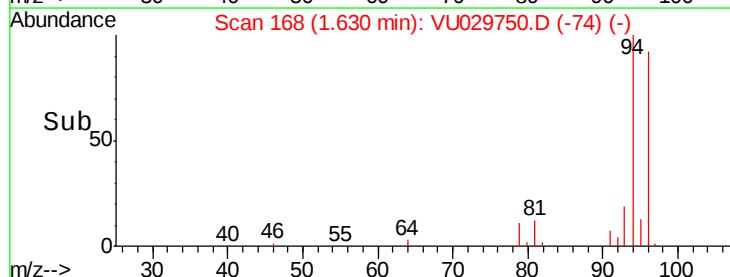
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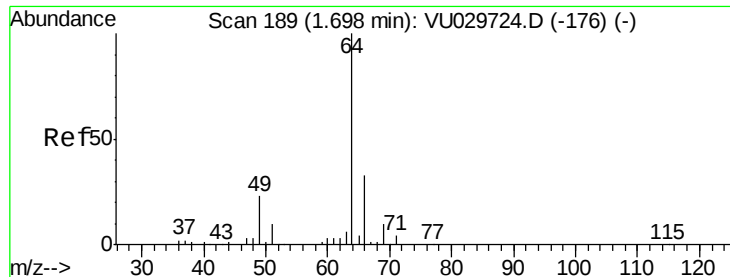
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Time-->

1.60 1.65 1.70

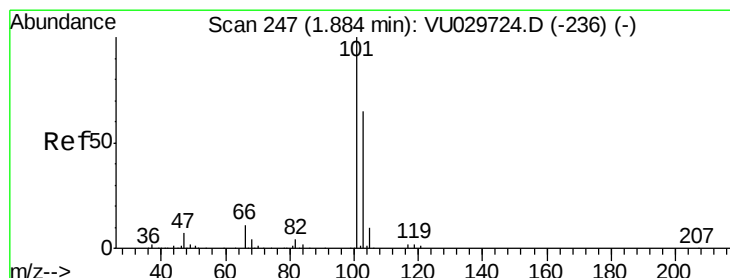
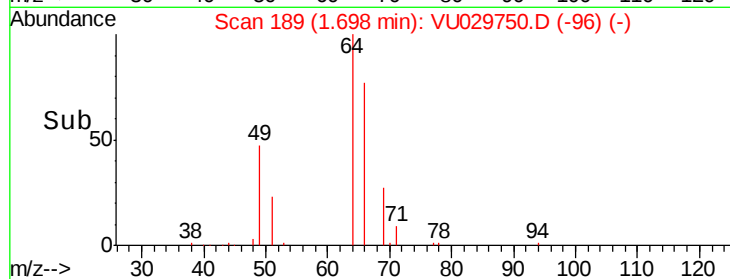
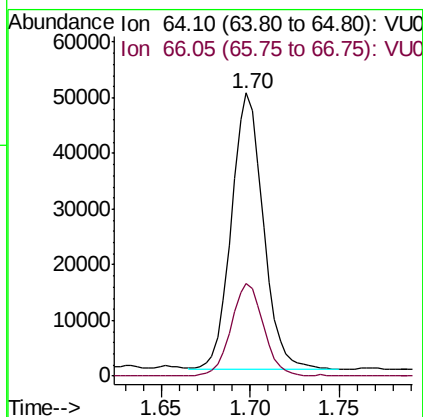
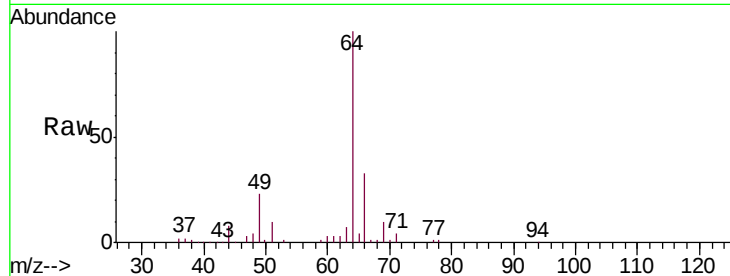




#8
Chloroethane
Concen: 4.562 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

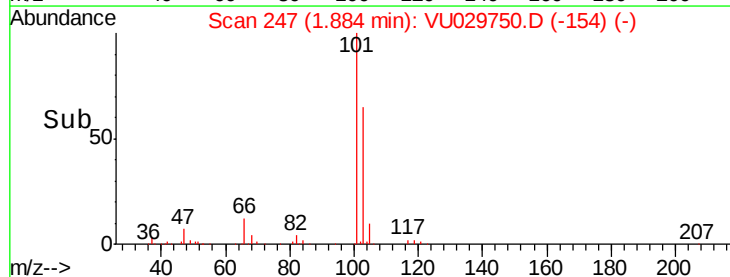
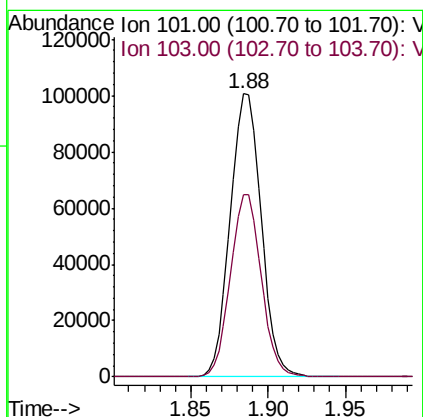
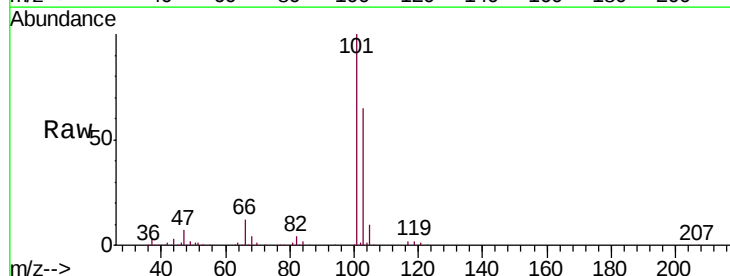
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

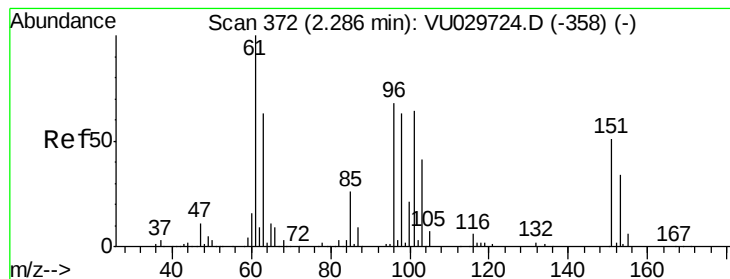
Tgt Ion: 64 Resp: 61720
Ion Ratio Lower Upper
64 100
66 32.7 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.519 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

Tgt Ion: 101 Resp: 139945
Ion Ratio Lower Upper
101 100
103 64.0 52.5 78.7





#10

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

Concen: 4.623 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

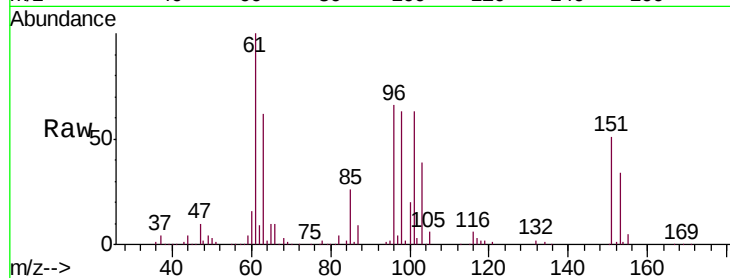
Tgt Ion: 101 Resp: 88342

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

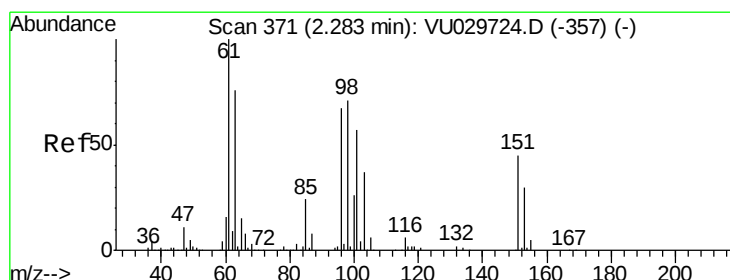
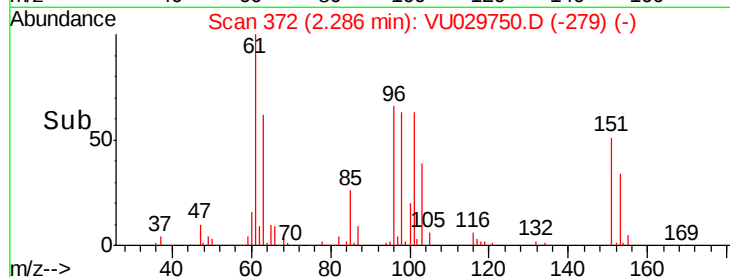
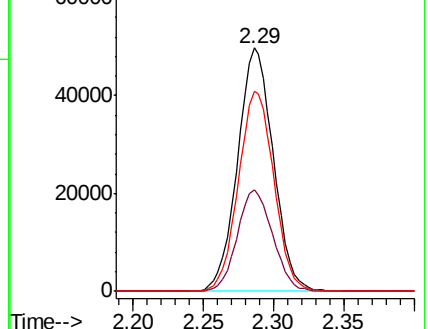
151 81.6 65.9 98.9



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: 4.530 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

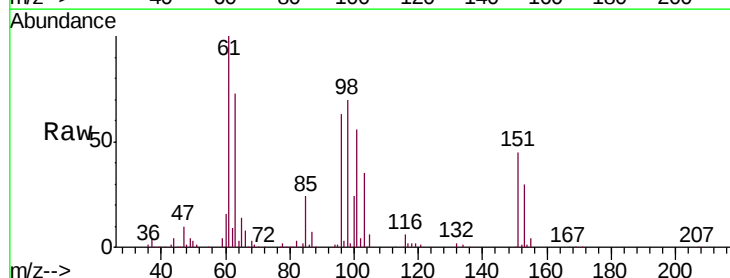
Tgt Ion: 96 Resp: 82297

Ion Ratio Lower Upper

96 100

61 158.1 111.3 206.7

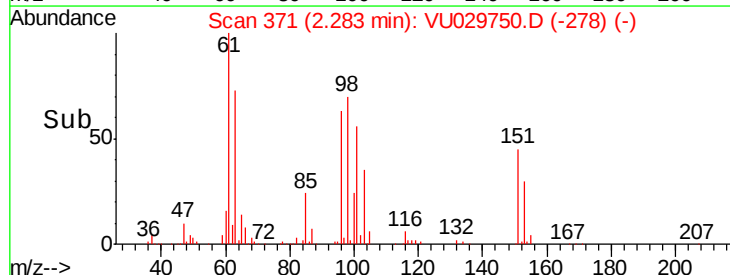
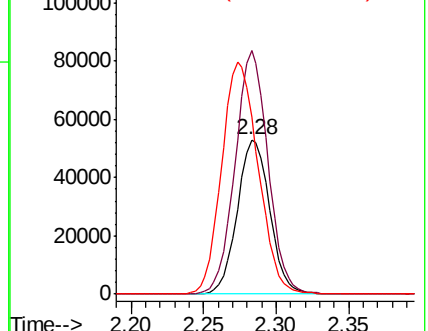
63 114.9 88.5 164.3

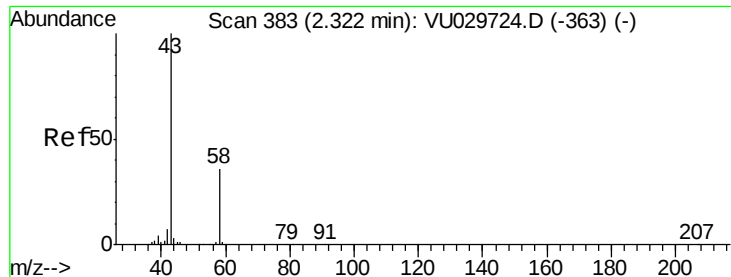


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.600 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

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MSVOA_U

ClientSampled :

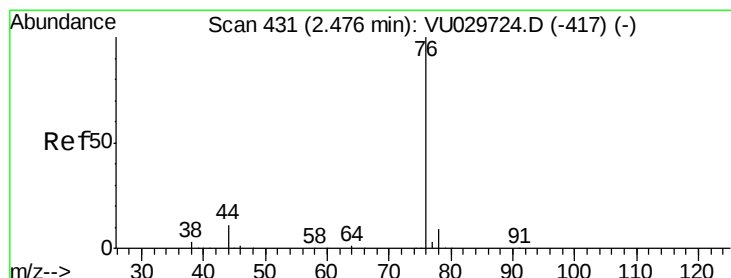
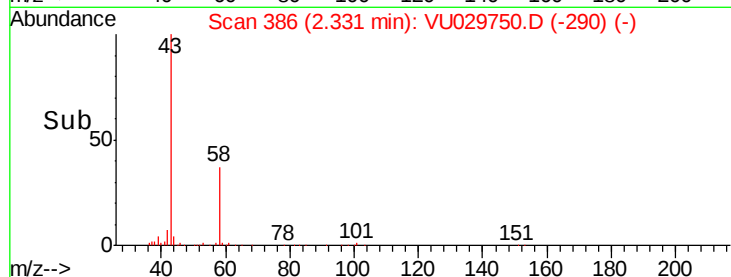
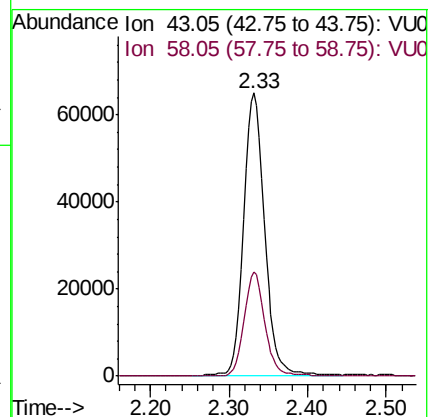
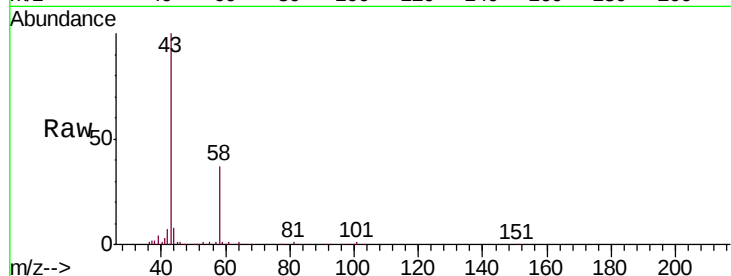
VSTD00544

Tgt Ion: 43 Resp: 121046

Ion Ratio Lower Upper

43 100

58 36.1 0.0 70.2



#14

Carbon disulfide

Concen: 4.396 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029750.D

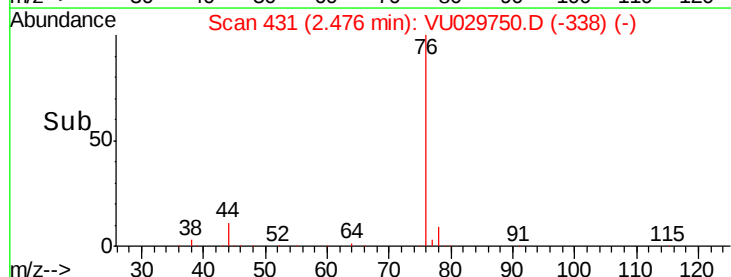
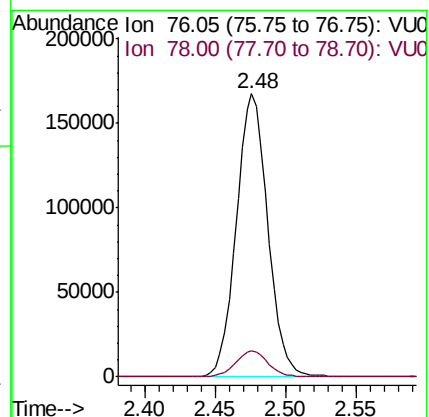
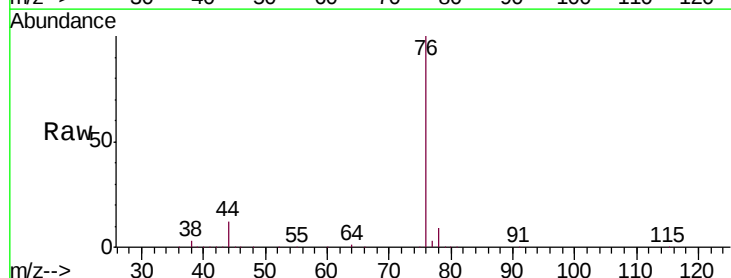
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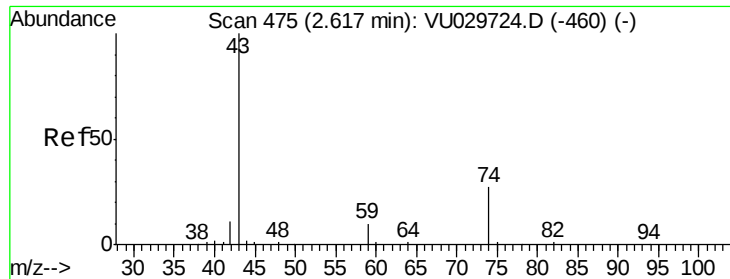
Tgt Ion: 76 Resp: 262279

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

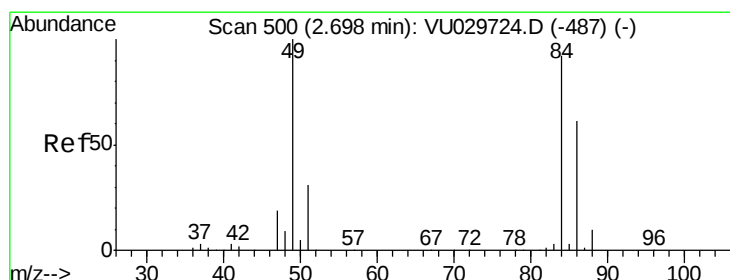
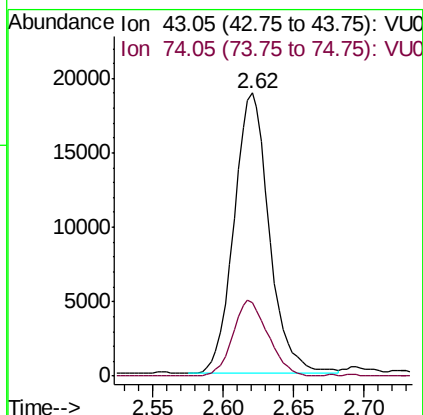
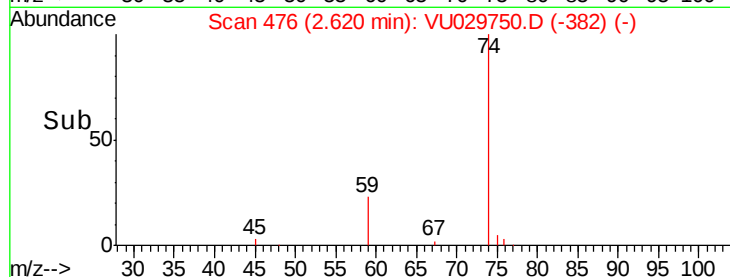
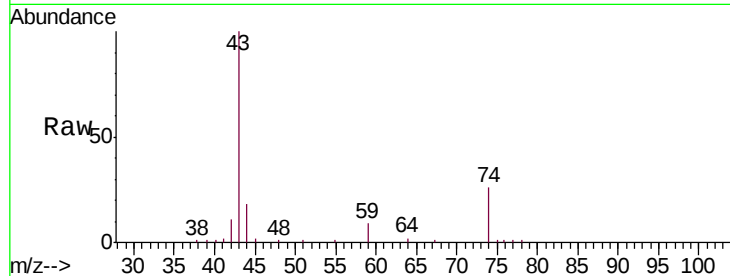




#15
Methyl Acetate
Concen: 4.360 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

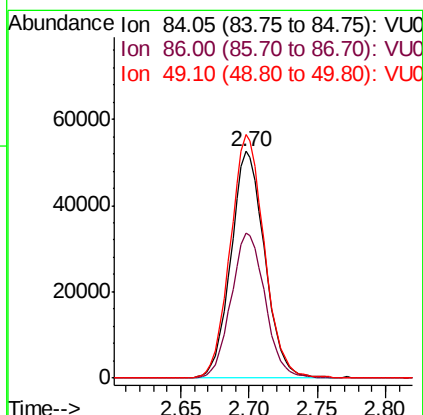
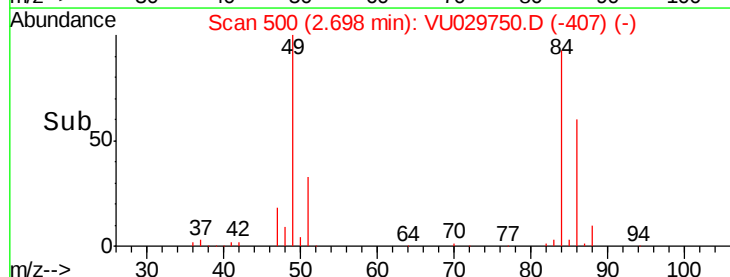
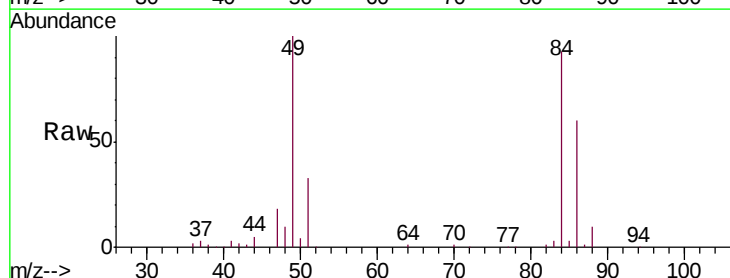
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

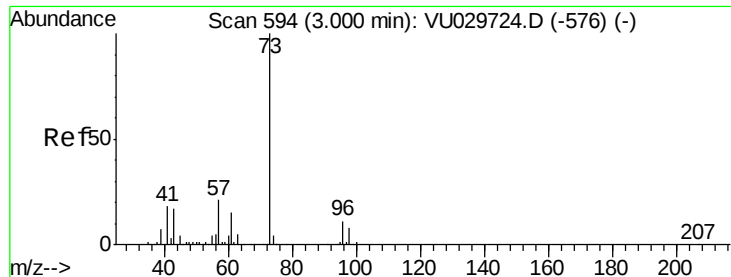
Tgt Ion: 43 Resp: 33043
Ion Ratio Lower Upper
43 100
74 26.9 21.6 32.4



#16
Methylene chloride
Concen: 4.210 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

Tgt Ion: 84 Resp: 90434
Ion Ratio Lower Upper
84 100
86 64.0 44.2 82.0
49 107.3 77.3 143.5





#17

Methyl tert-butyl Ether

Concen: 4.621 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

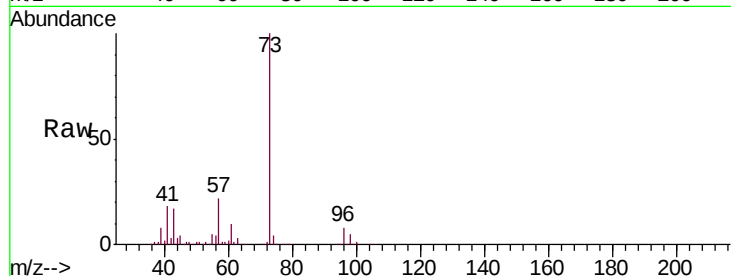
Tgt Ion: 73 Resp: 200698

Ion Ratio Lower Upper

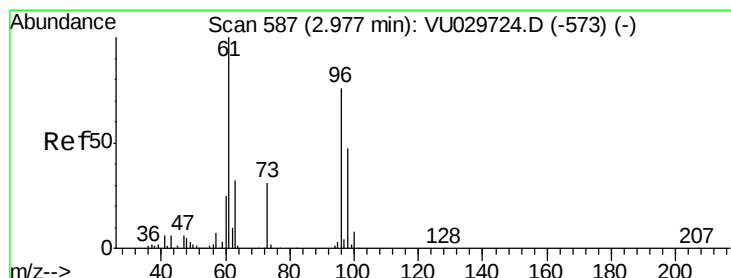
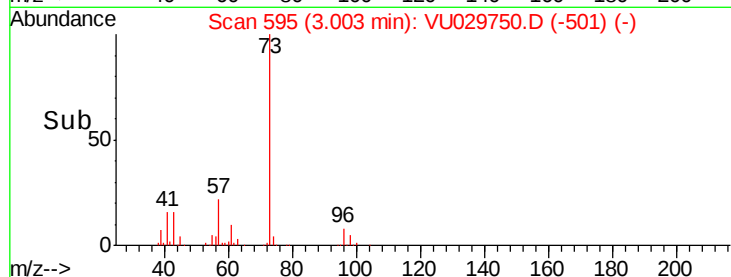
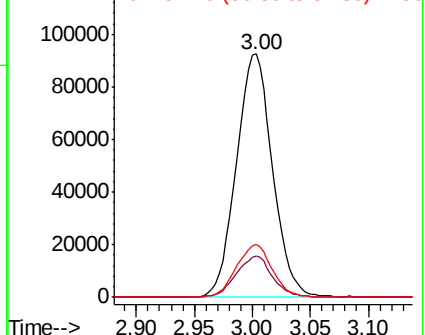
73 100

43 16.7 13.8 20.8

57 21.6 17.4 26.2



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



#18

trans-1,2-Dichloroethene

Concen: 4.483 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

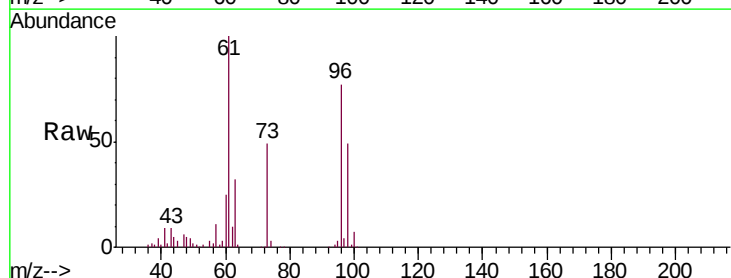
Tgt Ion: 96 Resp: 88620

Ion Ratio Lower Upper

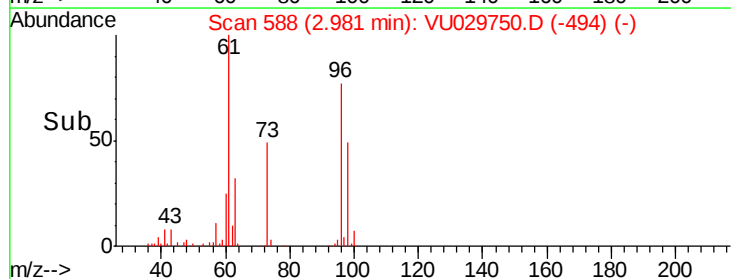
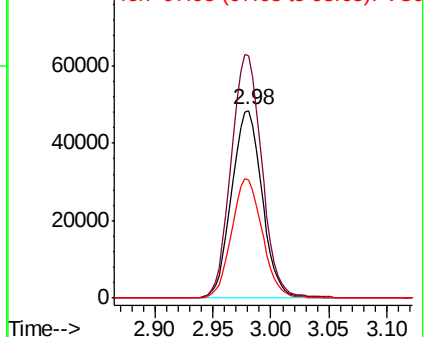
96 100

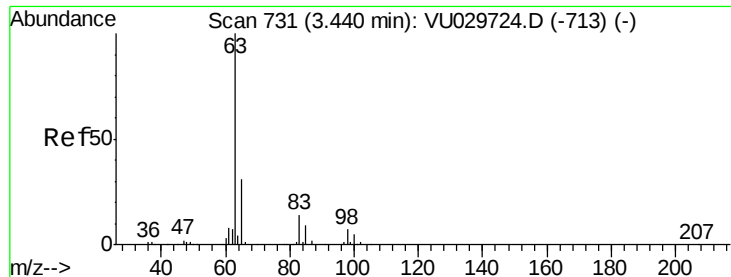
61 129.5 90.3 167.7

98 62.9 45.2 84.0



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

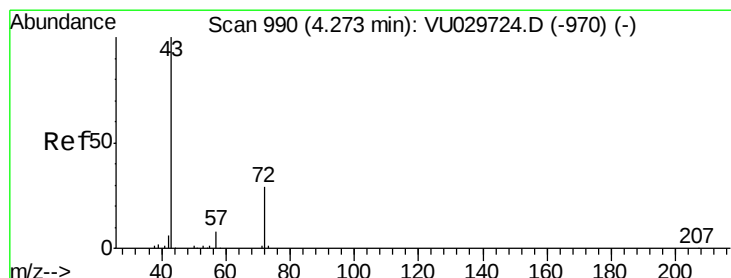
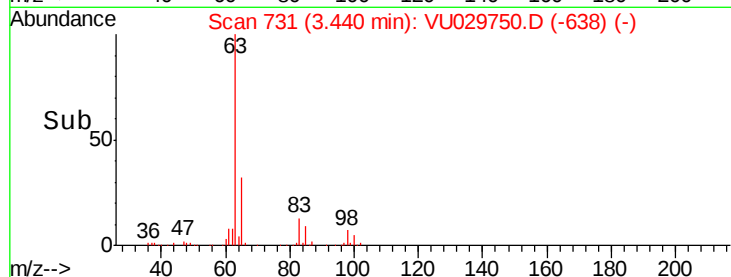
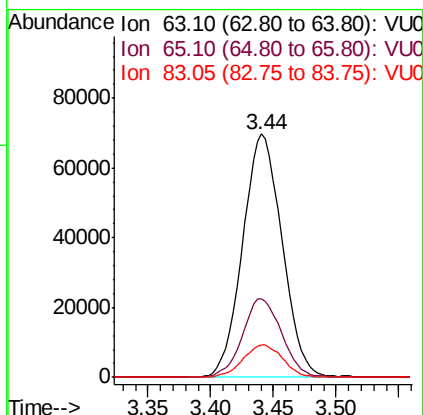
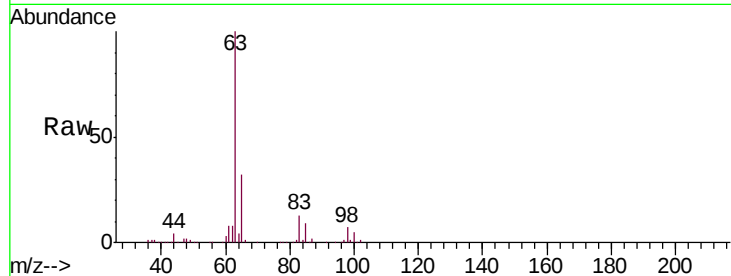




#19
 1,1-Dichloroethane
 Concen: 4.956 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

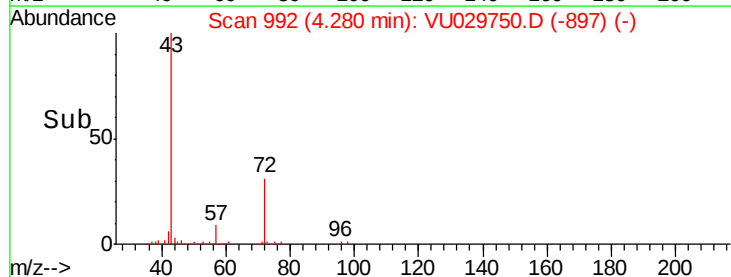
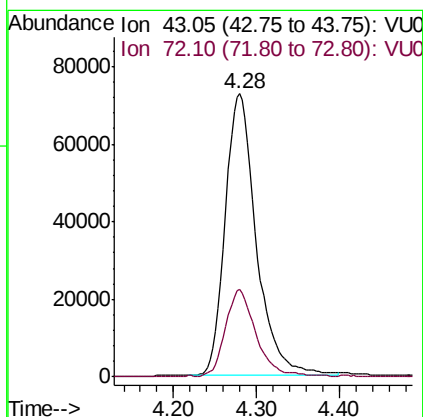
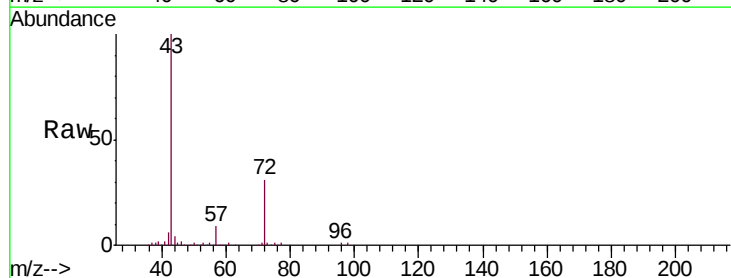
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

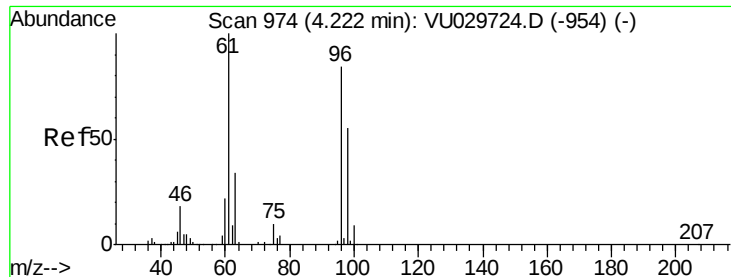
Tgt Ion: 63 Resp: 152543
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.3 41.5
 83 13.2 9.9 18.5



#21
 2-Butanone
 Concen: 52.533 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Tgt Ion: 43 Resp: 189339
 Ion Ratio Lower Upper
 43 100
 72 29.7 15.4 46.4



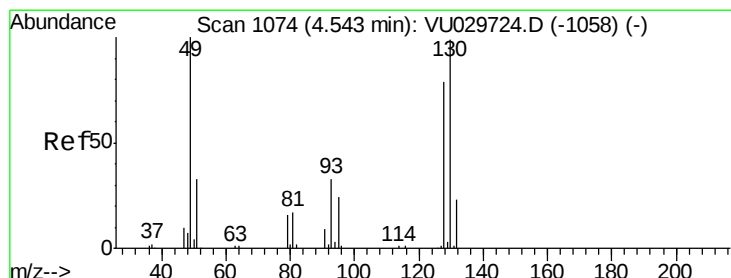
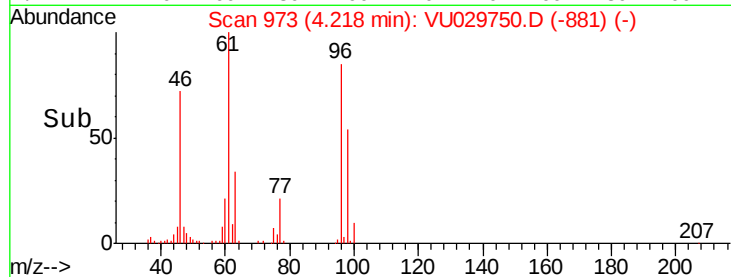
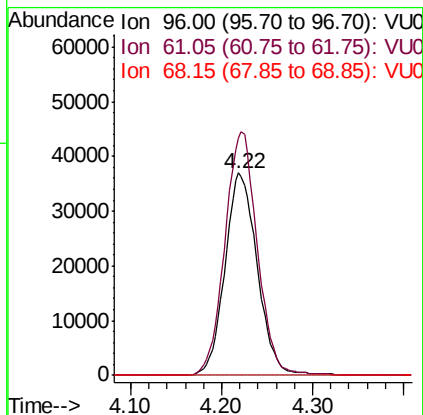
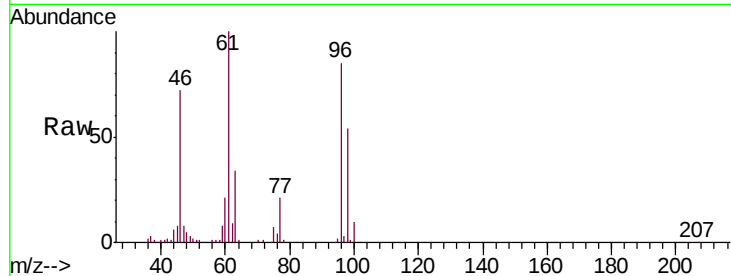


#22

cis-1,2-Dichloroethene
Concen: 5.049 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

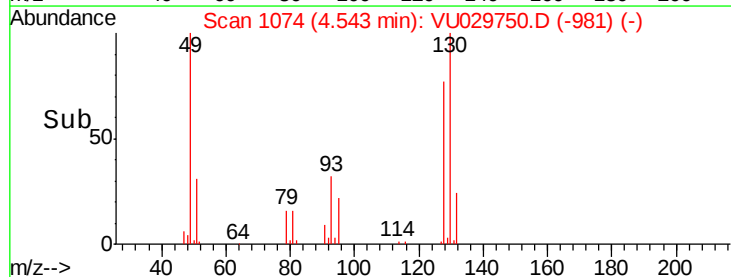
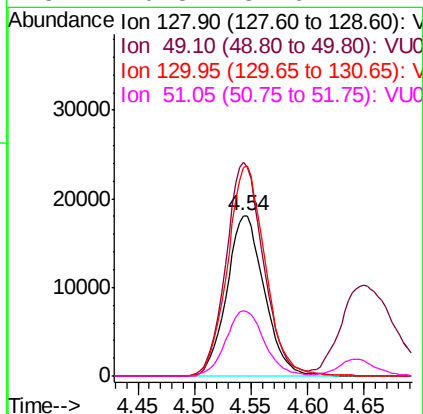
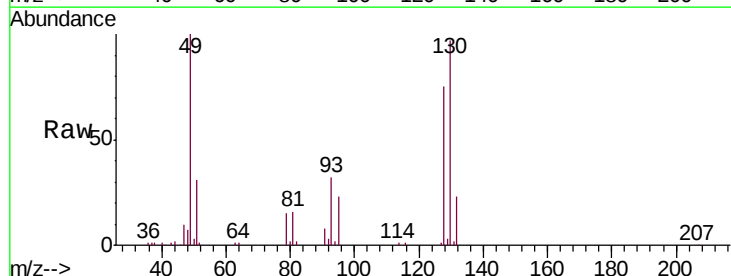
Tgt Ion: 96 Resp: 91410
Ion Ratio Lower Upper
96 100
61 117.2 80.2 149.0
68 0.0 0.0 0.0

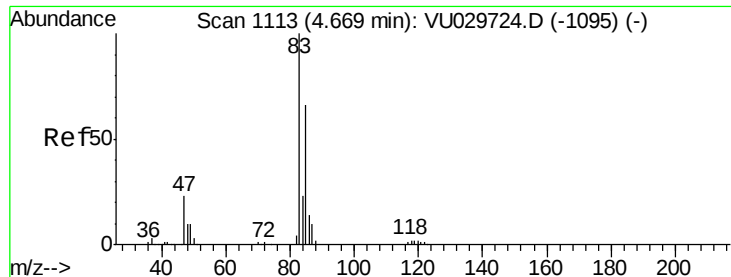


#23

Bromochloromethane
Concen: 5.122 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

Tgt Ion: 128 Resp: 41840
Ion Ratio Lower Upper
128 100
49 133.0 89.6 166.4
130 129.7 90.1 167.3
51 40.8 31.6 47.4





#25

Chloroform

Concen: 5.604 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

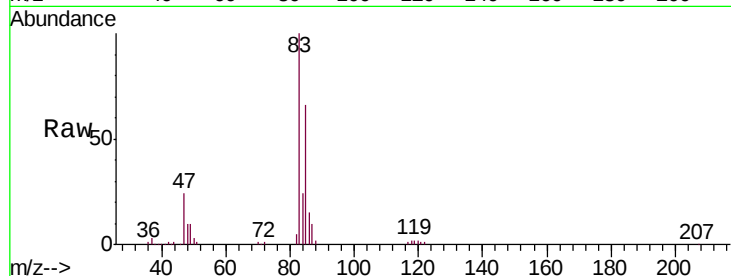
VSTD00544

Tgt Ion: 83 Resp: 172676

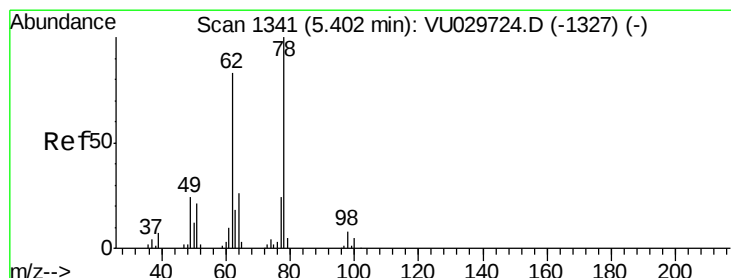
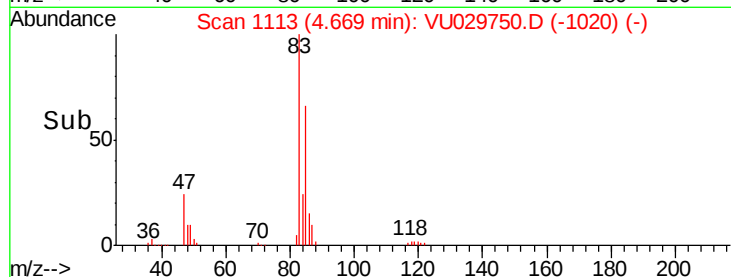
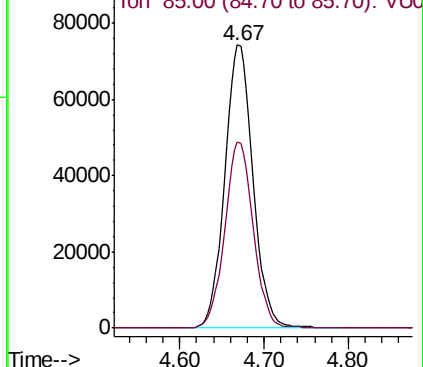
Ion Ratio Lower Upper

83 100

85 65.8 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VU029724.D (-1095) (-)



#27

1,2-Dichloroethane

Concen: 5.022 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029750.D

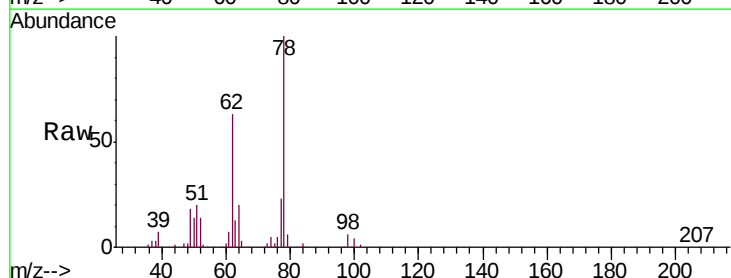
Acq: 01 Mar 2019 08:52

Tgt Ion: 62 Resp: 91377

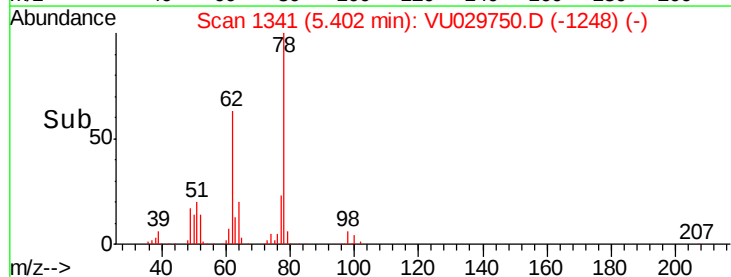
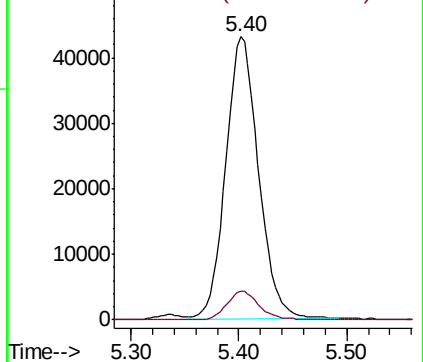
Ion Ratio Lower Upper

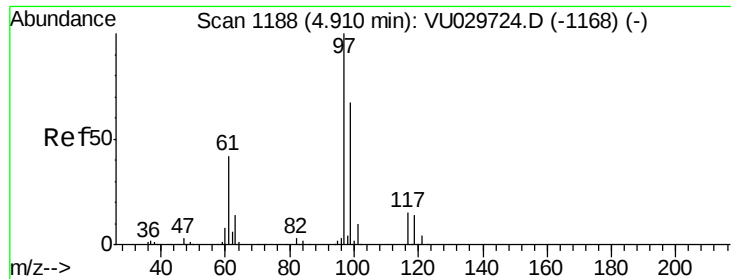
62 100

98 10.2 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VU029724.D (-1327) (-)

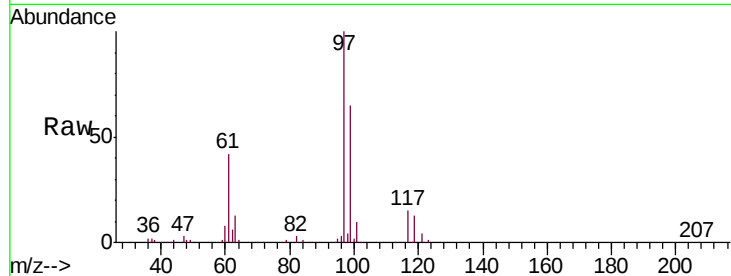




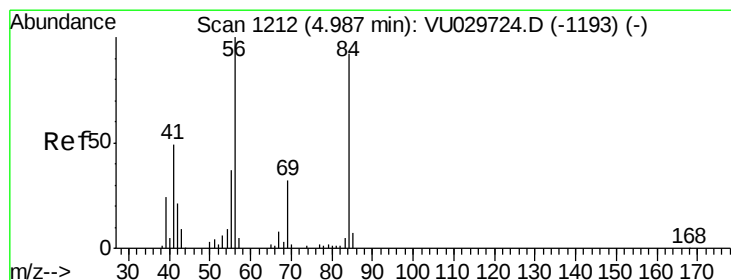
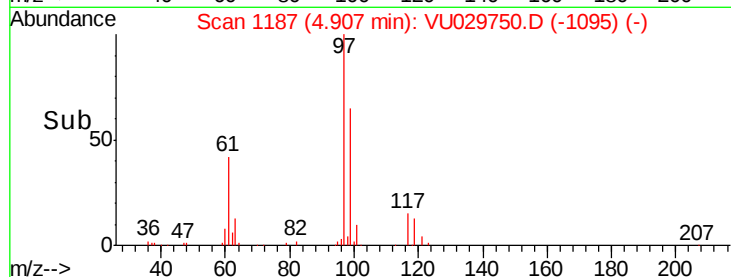
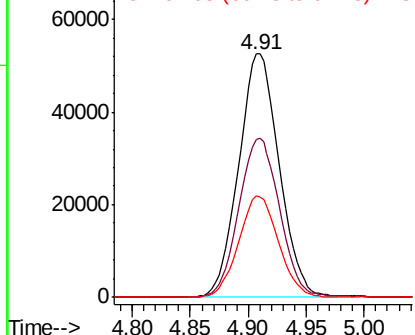
#29
 1,1,1-Trichloroethane
 Concen: 5.153 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion: 97 Resp: 127847
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.2 78.2
 61 41.1 33.5 50.3

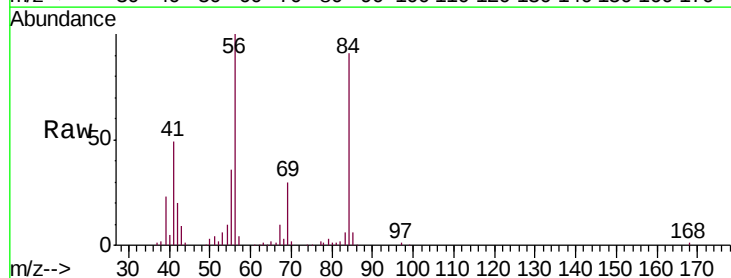


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

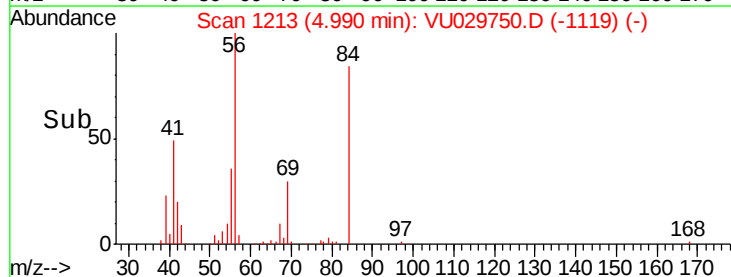
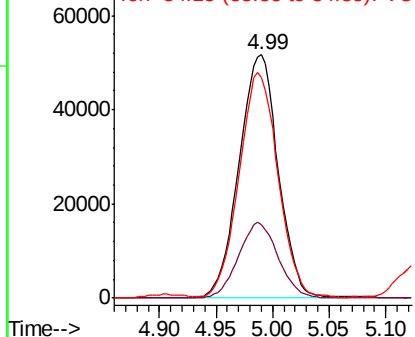


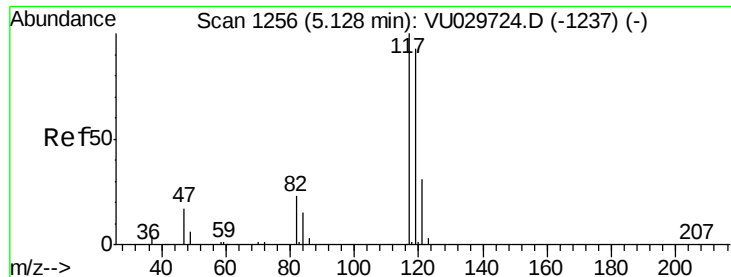
#30
 Cyclohexane
 Concen: 5.069 ug/L
 RT: 4.99 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Tgt Ion: 56 Resp: 124464
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.8 38.8
 84 91.8 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

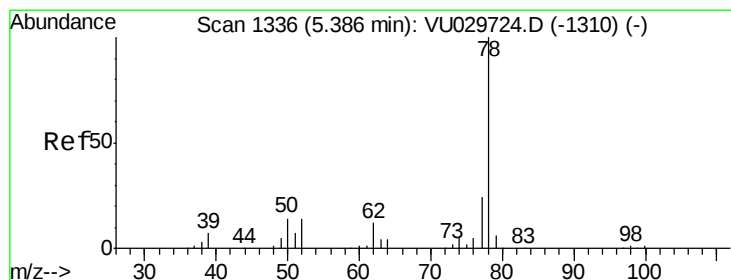
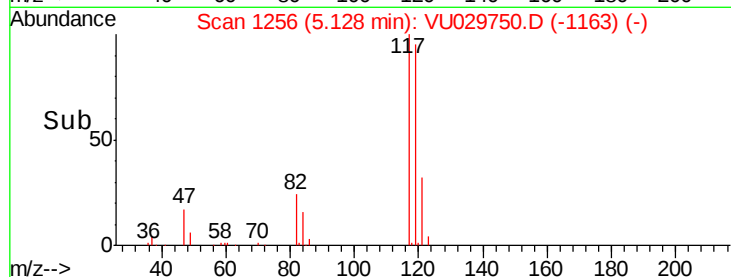
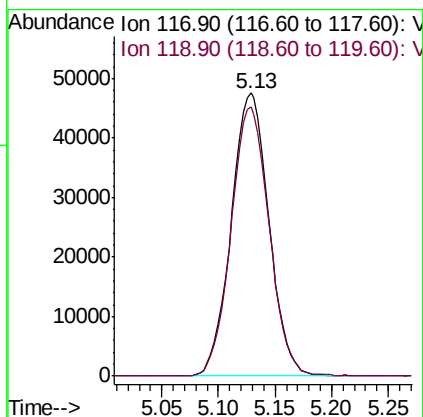
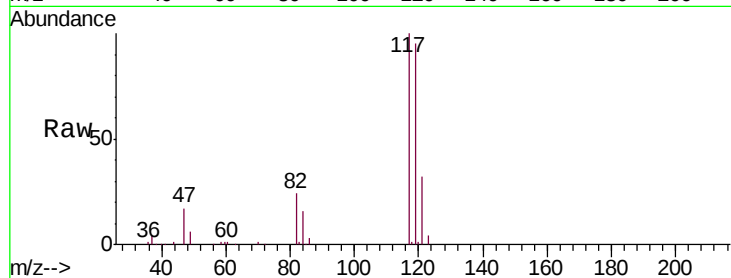




#31
Carbon tetrachloride
Concen: 5.107 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

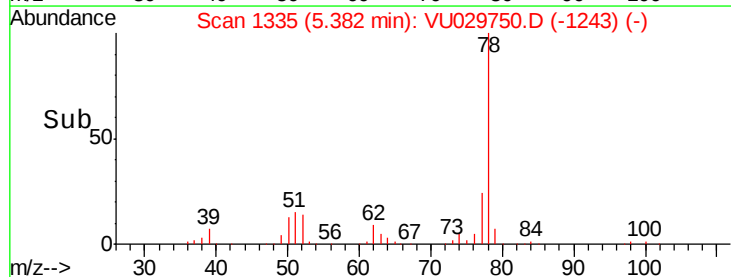
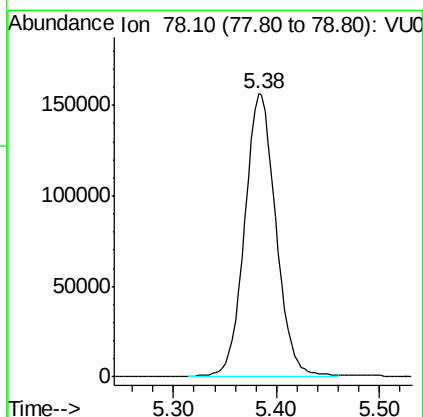
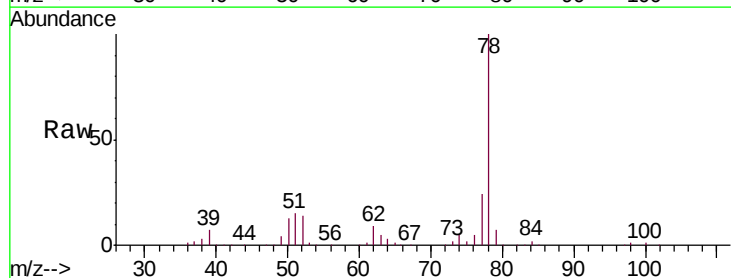
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

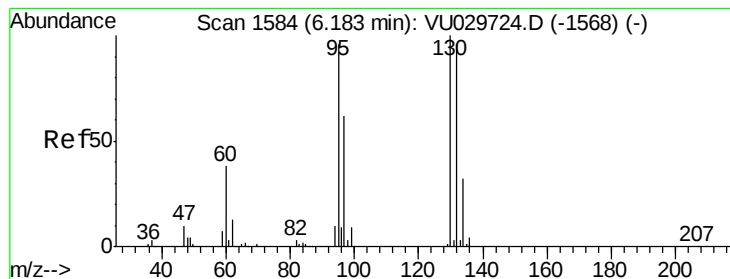
Tgt Ion:117 Resp: 110275
Ion Ratio Lower Upper
117 100
119 96.0 75.8 113.8



#33
Benzene
Concen: 5.213 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

Tgt Ion: 78 Resp: 328744





#34

Trichloroethene

Concen: 5.062 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

Tgt Ion: 95 Resp: 89132

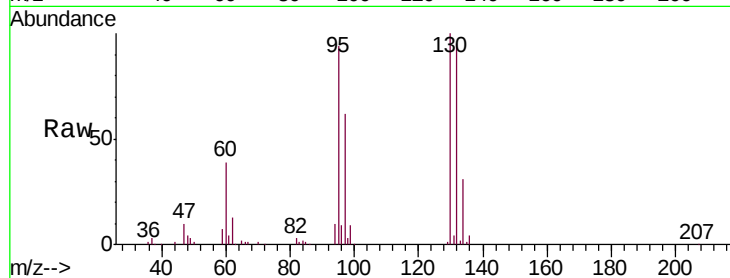
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.8

132 100.2 72.9 135.3

130 105.9 77.5 143.9

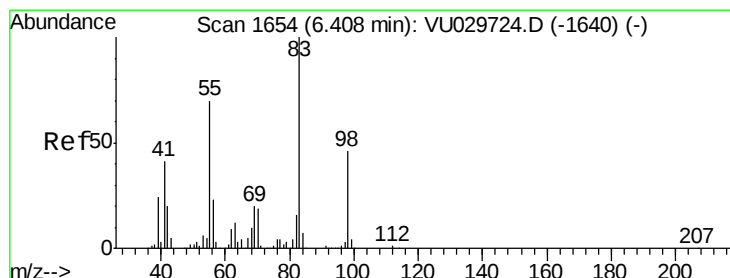
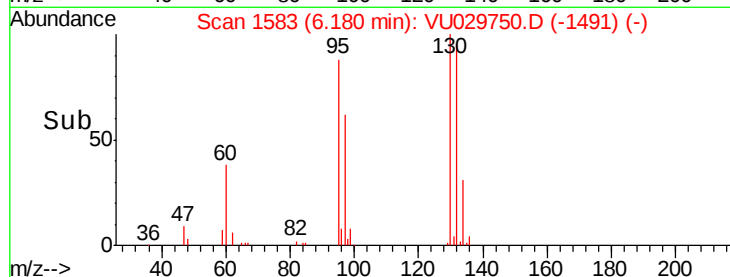
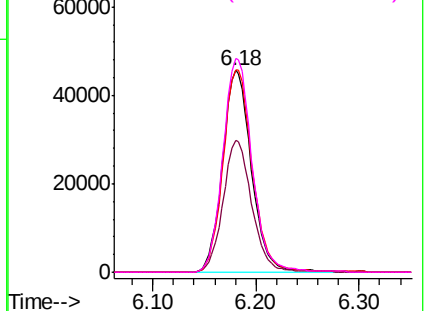


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.096 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

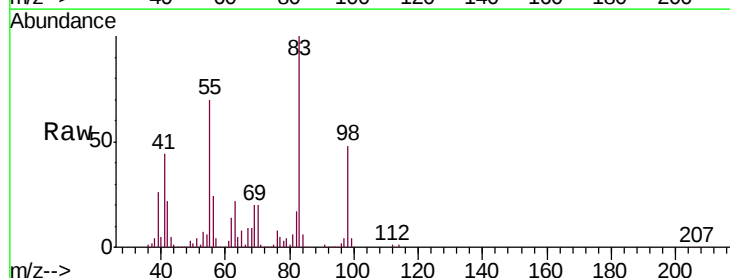
Tgt Ion: 83 Resp: 145530

Ion Ratio Lower Upper

83 100

55 70.2 56.5 84.7

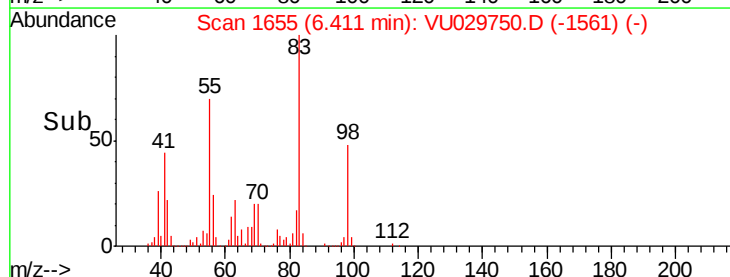
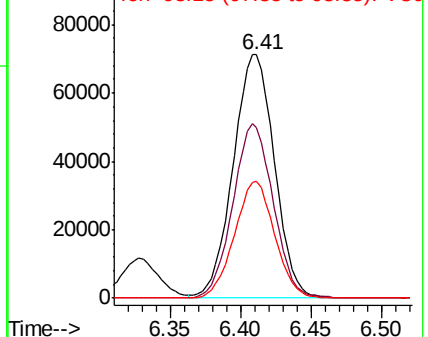
98 46.8 39.4 59.2

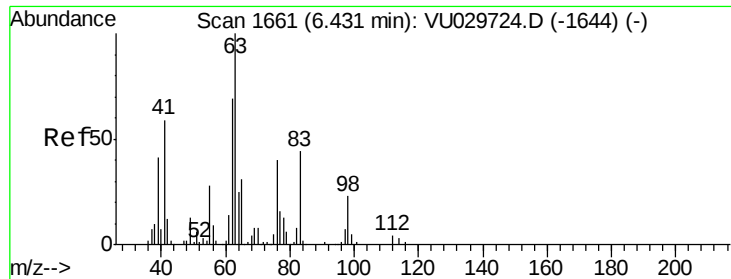


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

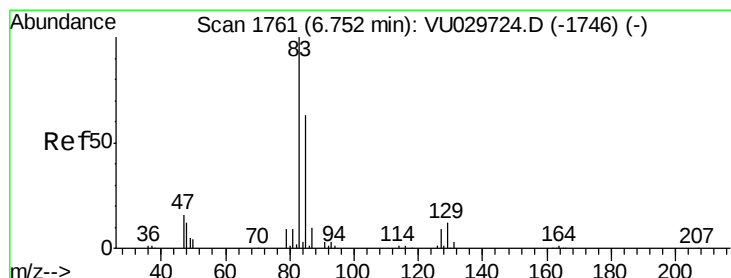
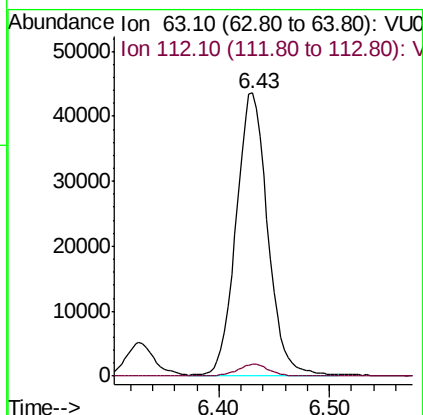
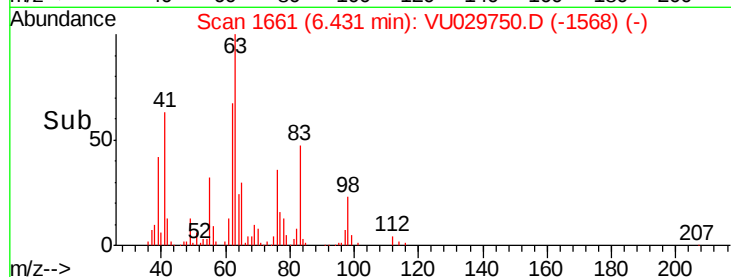
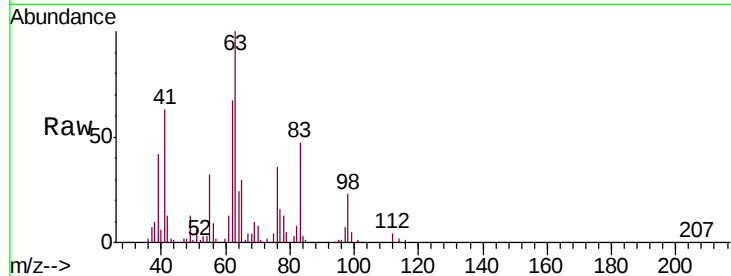




#37
 1,2-Dichloropropane
 Concen: 5.402 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

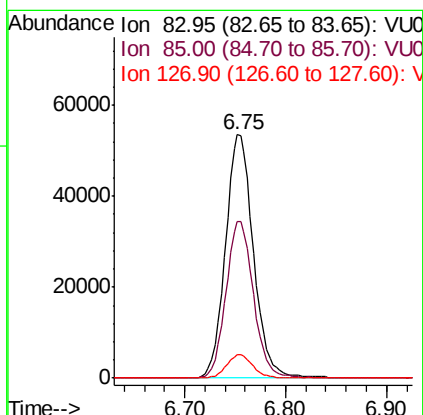
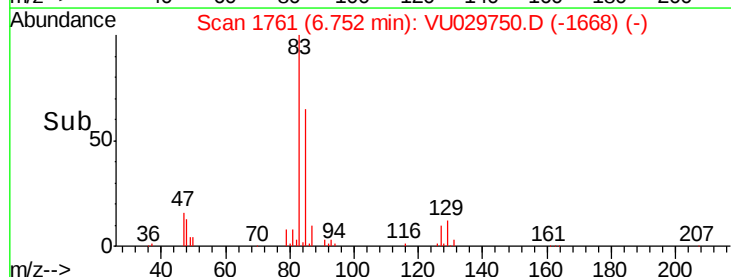
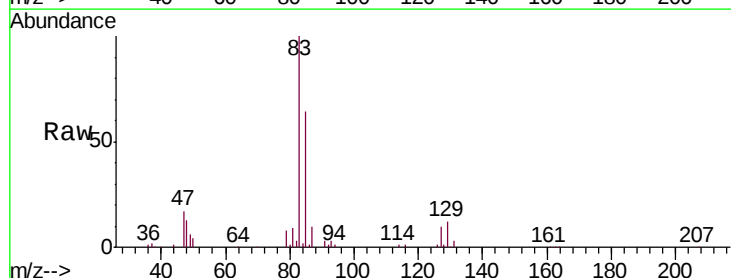
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

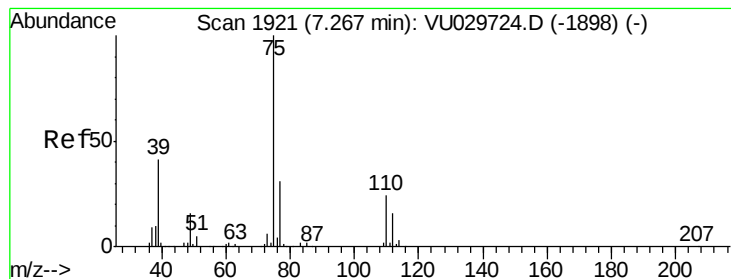
Tgt Ion: 63 Resp: 85828
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.223 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Tgt Ion: 83 Resp: 103588
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.1 85.5
 127 9.7 7.5 11.3



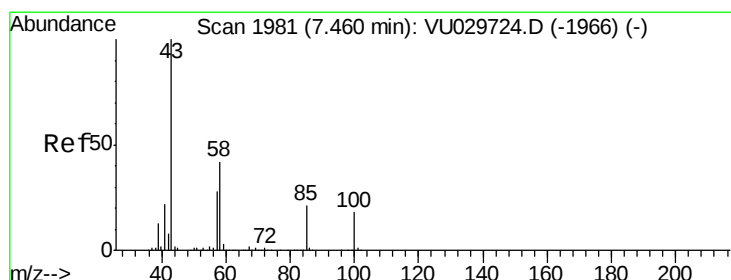
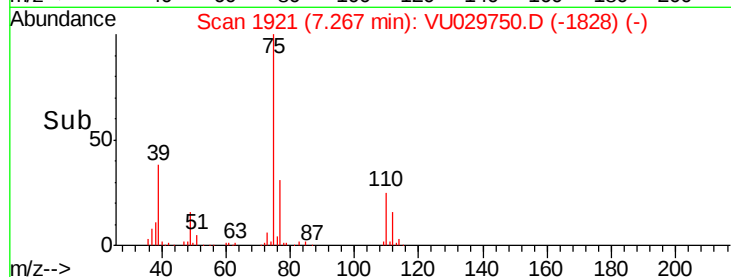
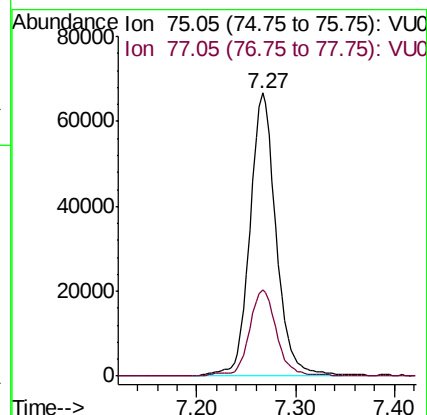
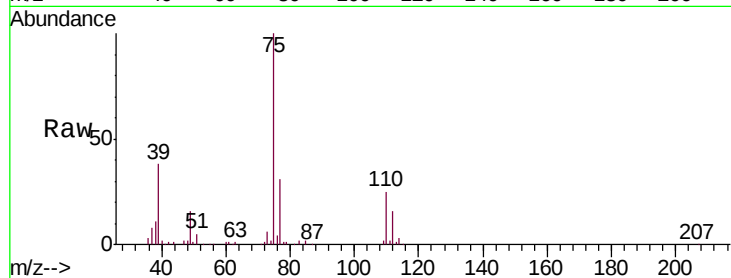


#39

cis-1,3-Dichloropropene
 Concen: 5.260 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

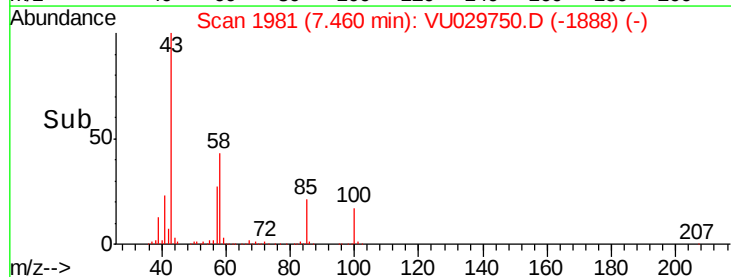
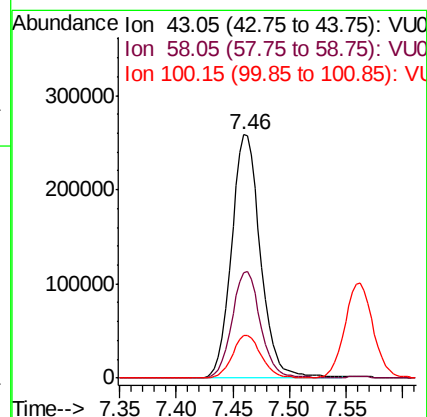
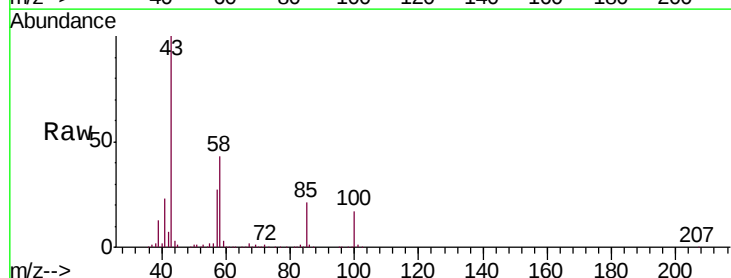
Tgt Ion: 75 Resp: 122328
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.3 41.5

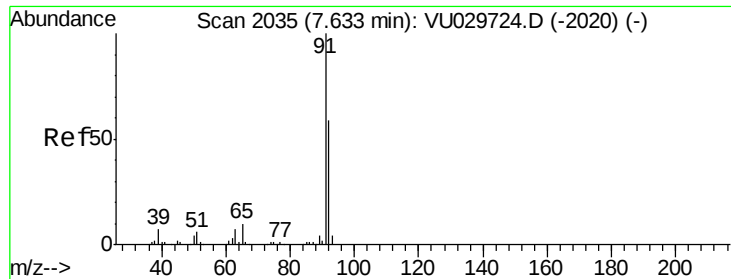


#40

4-Methyl-2-pentanone
 Concen: 51.490 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Tgt Ion: 43 Resp: 459797
 Ion Ratio Lower Upper
 43 100
 58 43.2 33.8 50.8
 100 17.7 14.2 21.2





#42

Toluene

Concen: 5.078 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

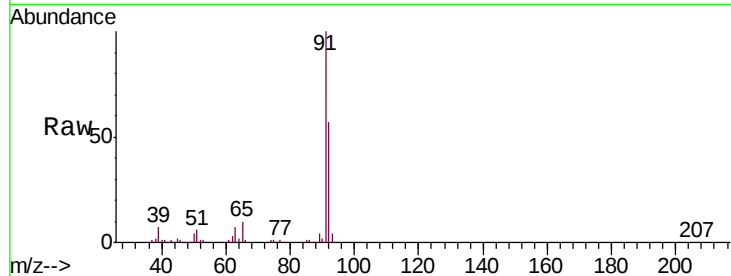
VSTD00544

Tgt Ion: 91 Resp: 363275

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU029724.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU029724.D (-2020) (-)

7.63

250000

200000

150000

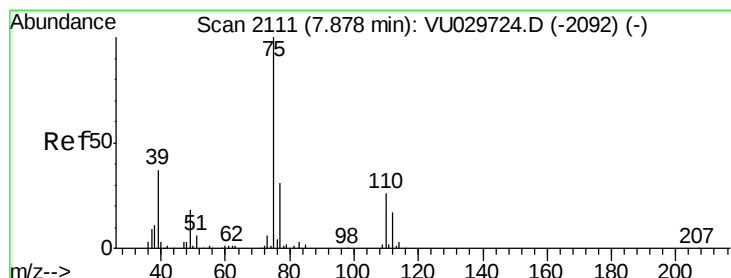
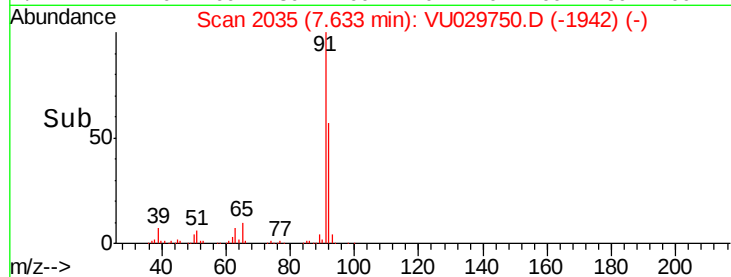
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.257 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029750.D

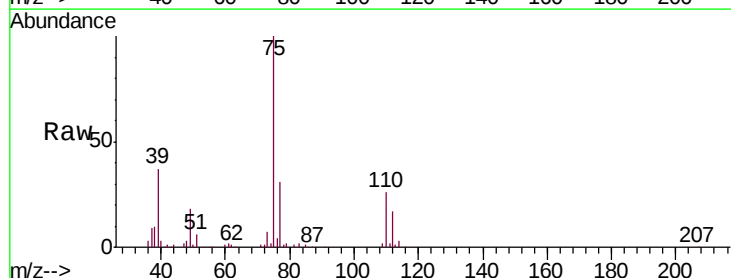
Acq: 01 Mar 2019 08:52

Tgt Ion: 75 Resp: 98135

Ion Ratio Lower Upper

75 100

77 31.1 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU029724.D (-2092) (-)

Ion 77.05 (76.75 to 77.75): VU029724.D (-2092) (-)

7.88

60000

50000

40000

30000

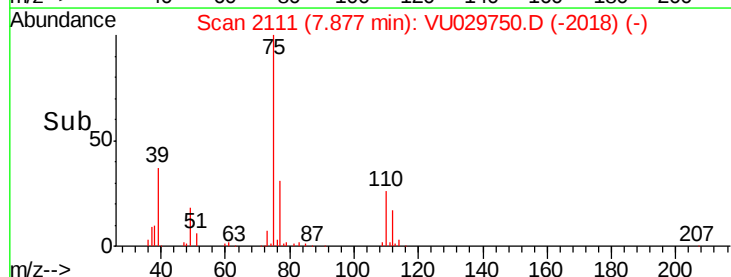
20000

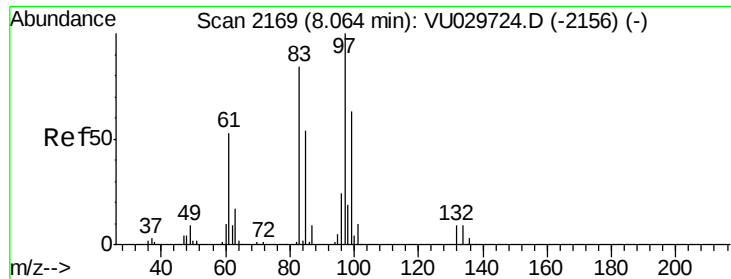
10000

0

7.80 7.85 7.90 7.95

Time-->

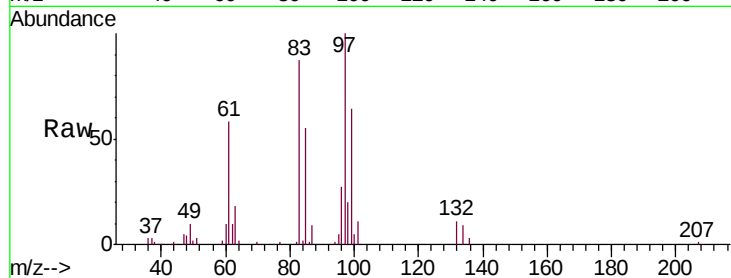




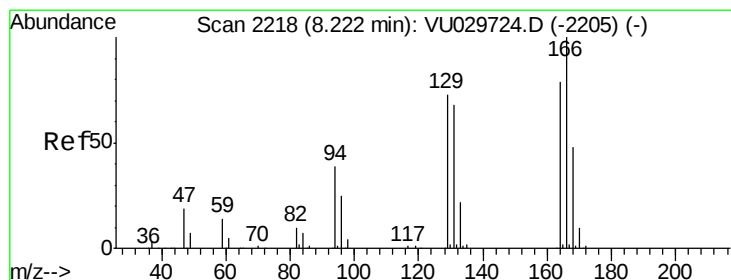
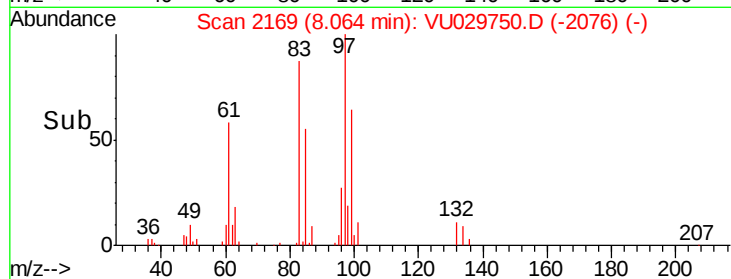
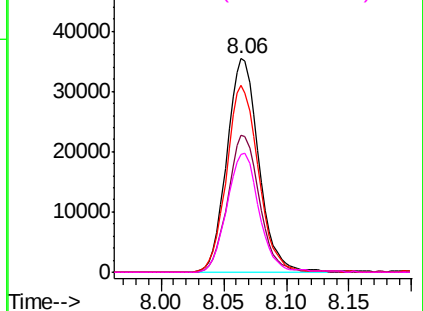
#45
 1,1,2-Trichloroethane
 Concen: 5.030 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion:	97	Resp:	62577
Ion	Ratio	Lower	Upper
97	100		
99	64.3	45.3	84.1
83	87.3	59.6	110.6
85	55.3	39.8	74.0

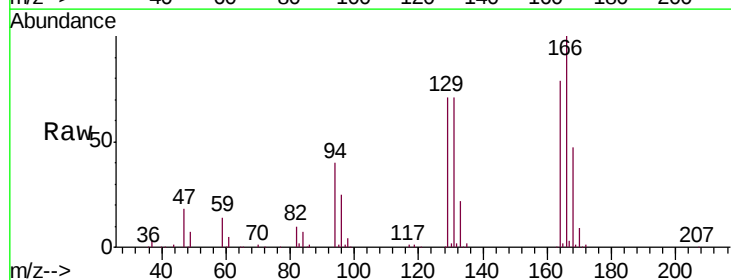


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

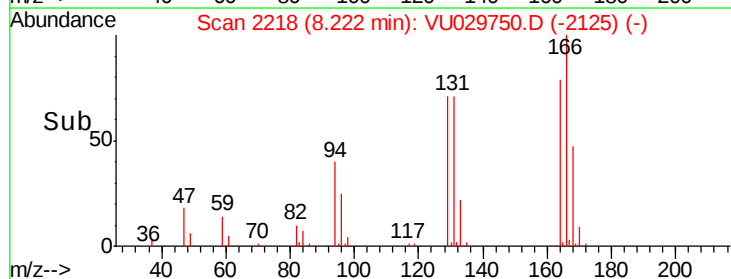
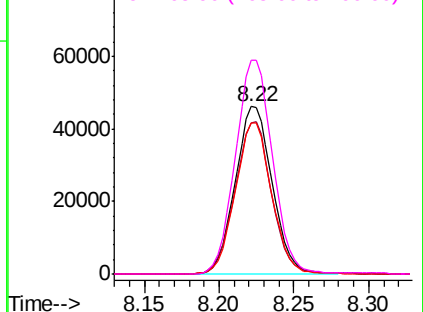


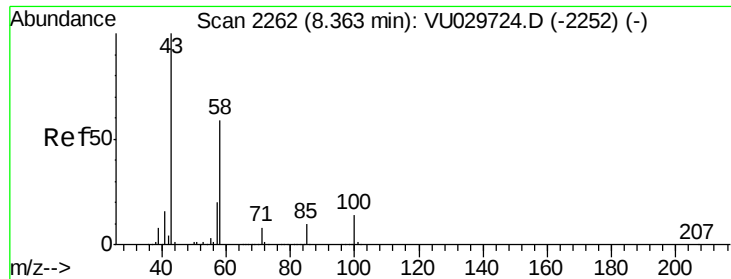
#47
 Tetrachloroethene
 Concen: 4.842 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Tgt Ion:	164	Resp:	79164
Ion	Ratio	Lower	Upper
164	100		
129	90.5	62.9	116.7
131	90.2	61.8	114.8
166	127.3	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

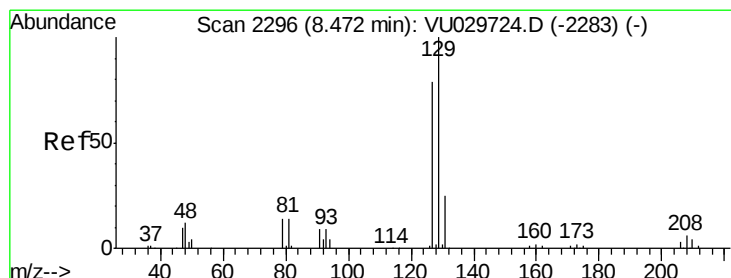
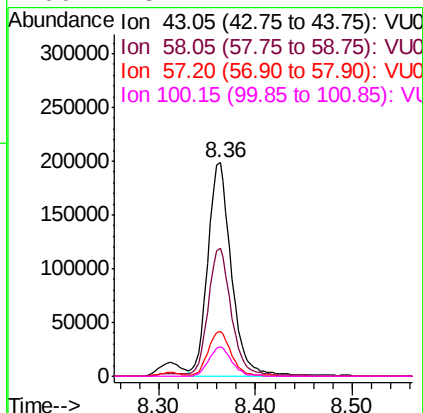
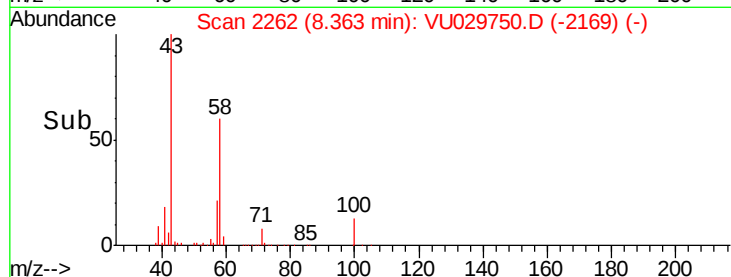
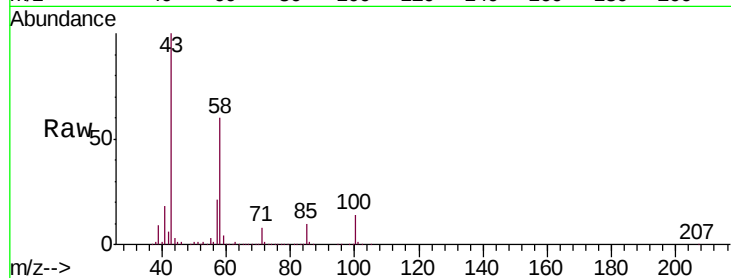




#48
2-Hexanone
Concen: 51.261 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

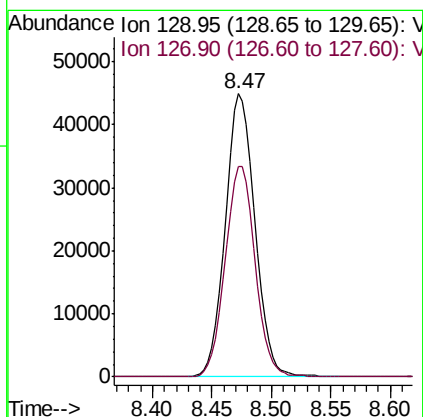
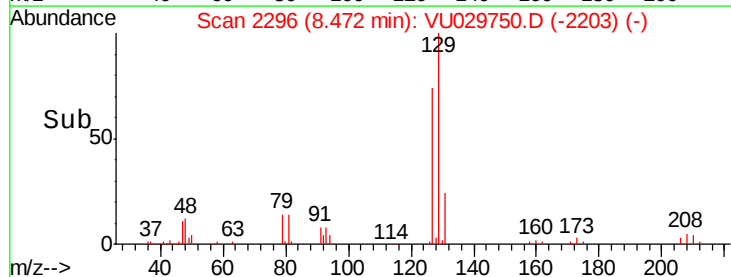
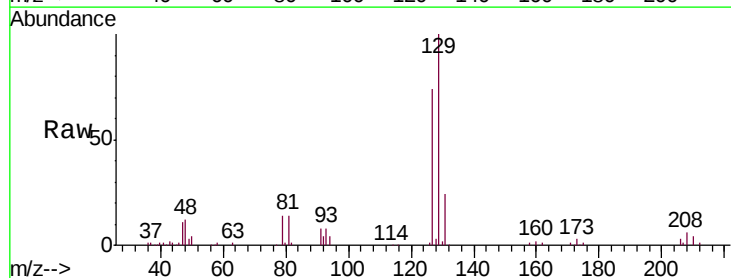
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

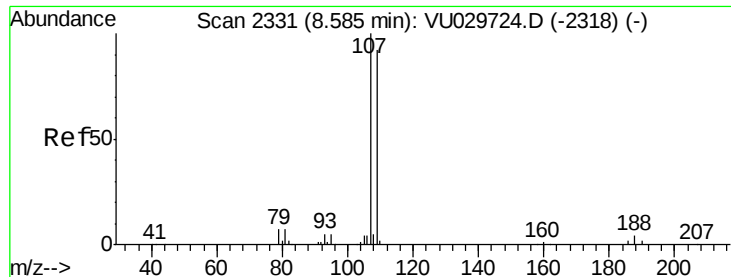
Tgt Ion: 43 Resp: 334779
Ion Ratio Lower Upper
43 100
58 59.6 46.6 69.8
57 20.4 15.9 23.9
100 13.2 11.4 17.2



#49
Dibromochloromethane
Concen: 5.165 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

Tgt Ion: 129 Resp: 77849
Ion Ratio Lower Upper
129 100
127 74.3 52.5 97.5





#50

1,2-Dibromoethane

Concen: 5.128 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

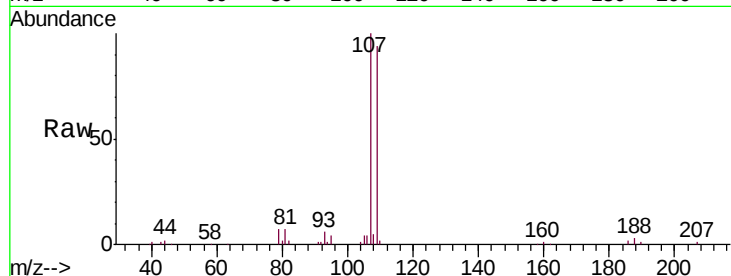
Tgt Ion:107 Resp: 62454

Ion Ratio Lower Upper

107 100

109 93.5 65.8 122.2

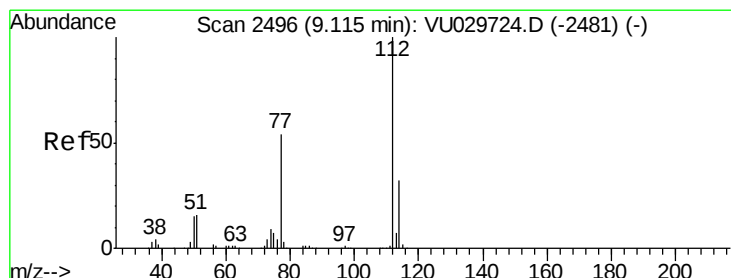
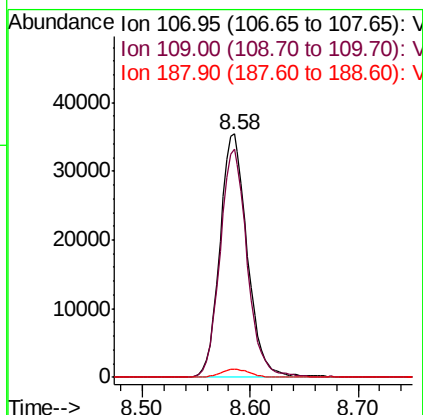
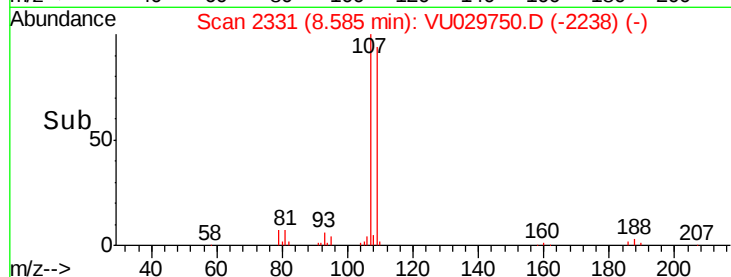
188 3.3 3.3 4.9



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: 4.968 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

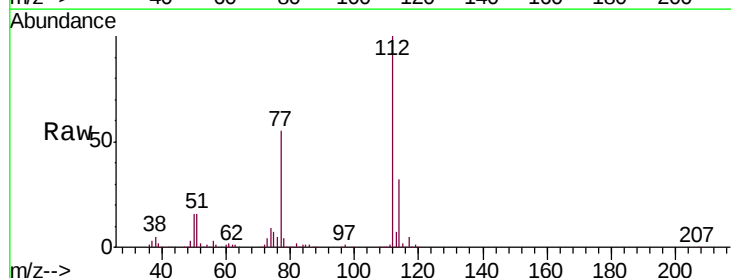
Tgt Ion:112 Resp: 244165

Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

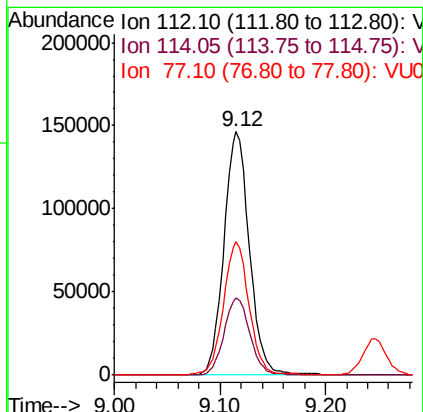
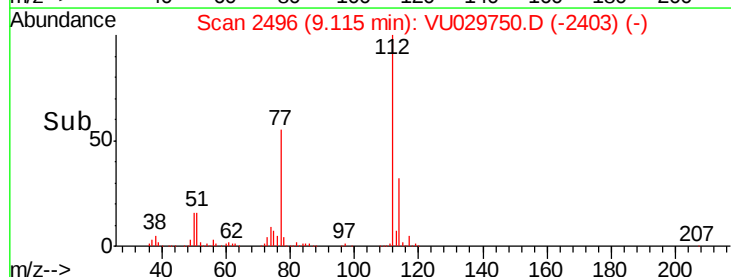
77 54.7 42.7 64.1

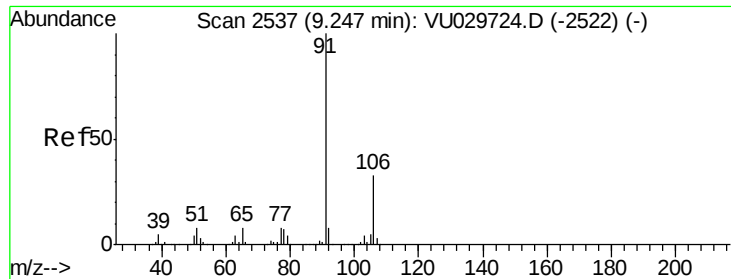


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.989 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

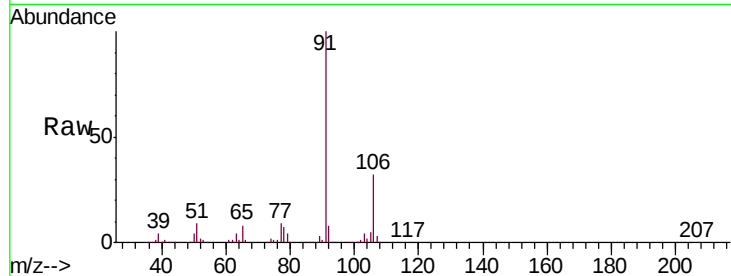
VSTD00544

Tgt Ion: 91 Resp: 399163

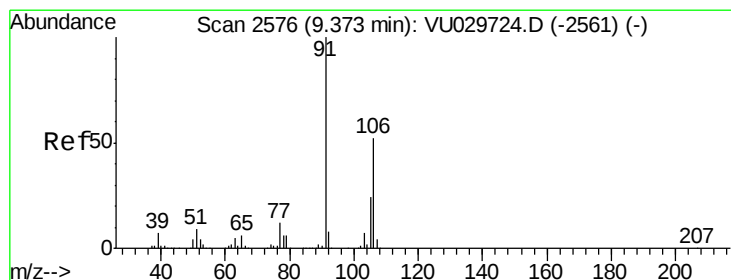
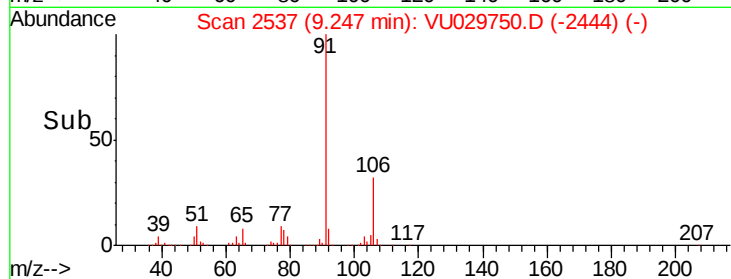
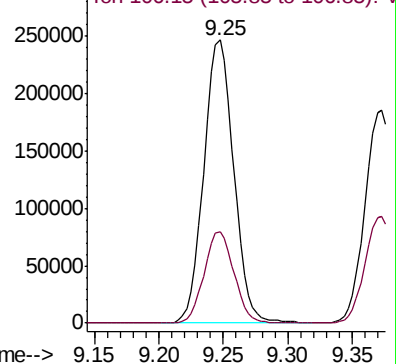
Ion Ratio Lower Upper

91 100

106 32.2 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VU029724.D (-2522) (-)



#53

m,p-xylene

Concen: 4.856 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029750.D

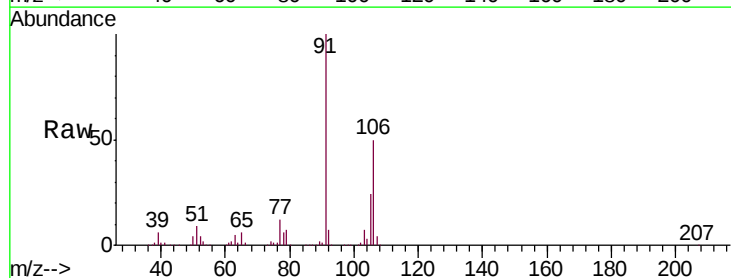
Acq: 01 Mar 2019 08:52

Tgt Ion: 106 Resp: 155767

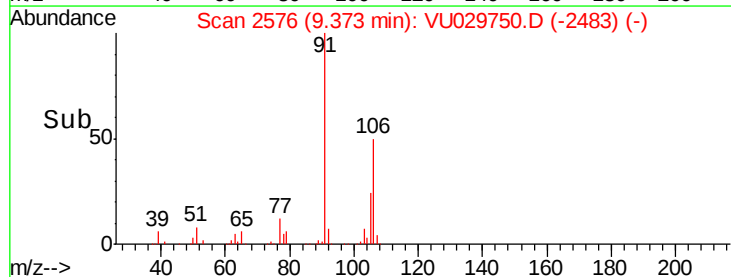
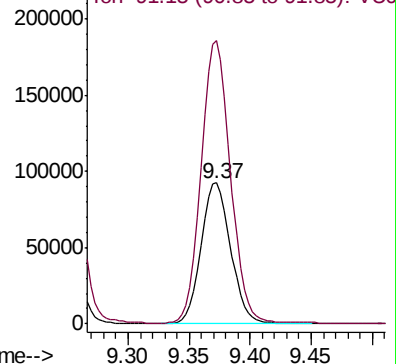
Ion Ratio Lower Upper

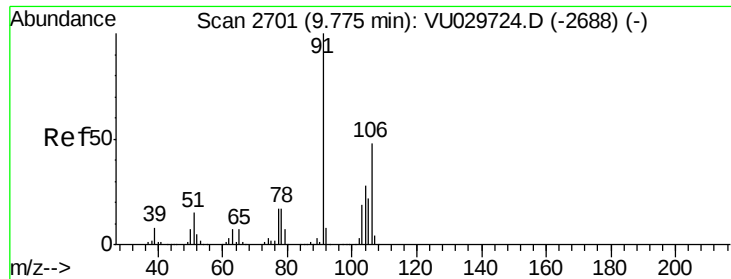
106 100

91 200.4 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): VU029724.D (-2561) (-)

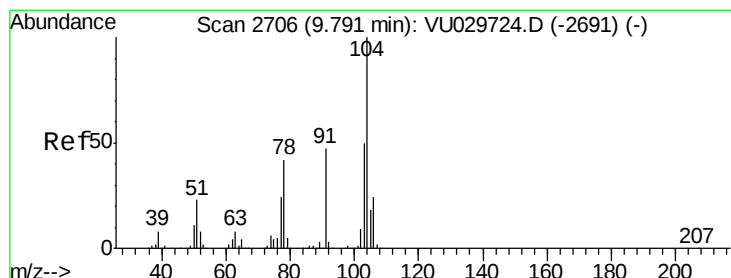
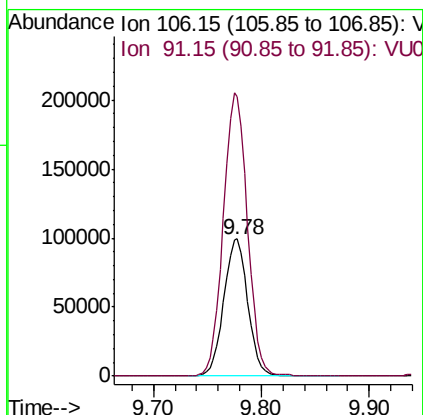
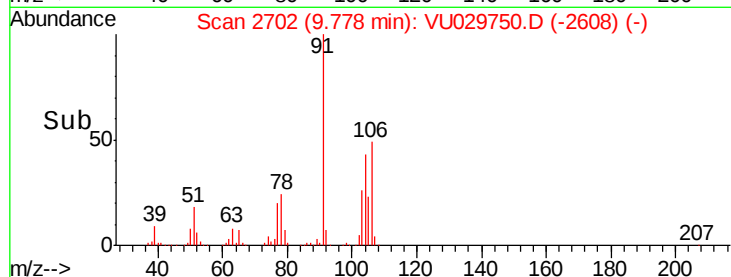
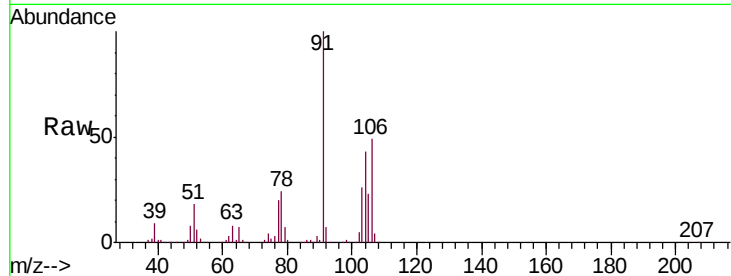




#54
o-xylene
Concen: 4.988 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

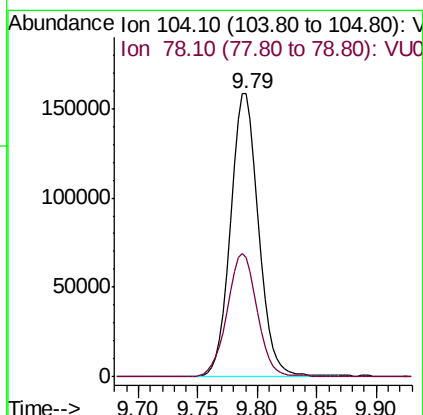
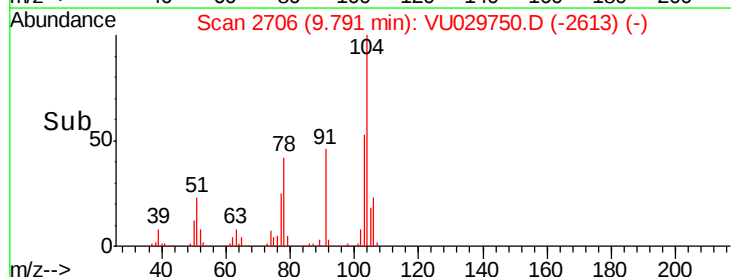
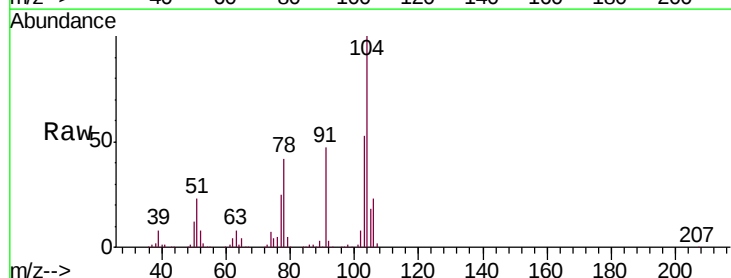
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

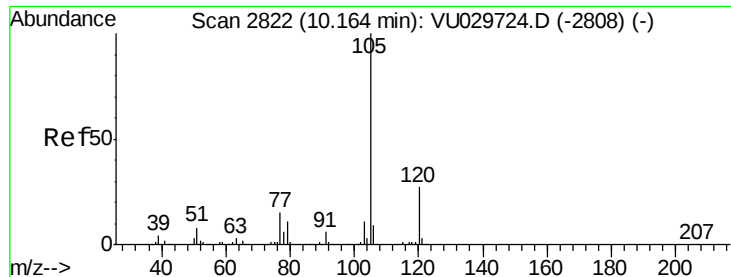
Tgt Ion:106 Resp: 154059
Ion Ratio Lower Upper
106 100
91 204.2 145.7 270.5



#55
Styrene
Concen: 5.033 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU029750.D
Acq: 01 Mar 2019 08:52

Tgt Ion:104 Resp: 259687
Ion Ratio Lower Upper
104 100
78 42.1 29.2 54.2





#56

Isopropylbenzene

Concen: 4.948 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

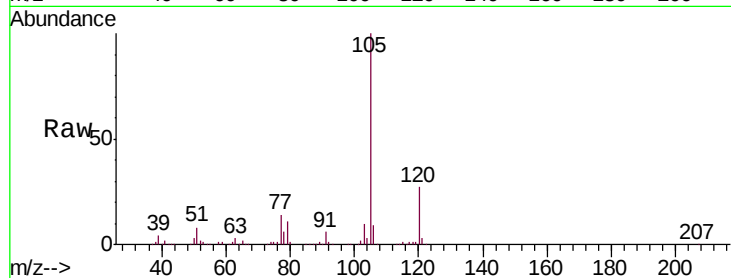
Tgt Ion: 105 Resp: 410099

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.6

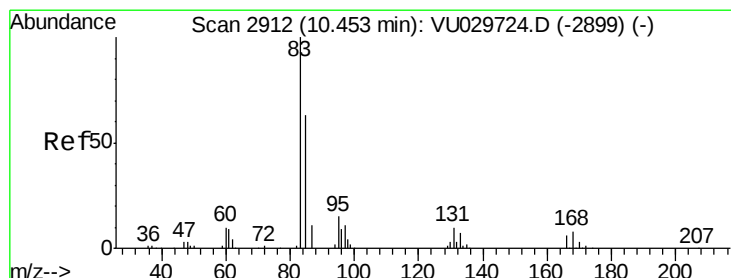
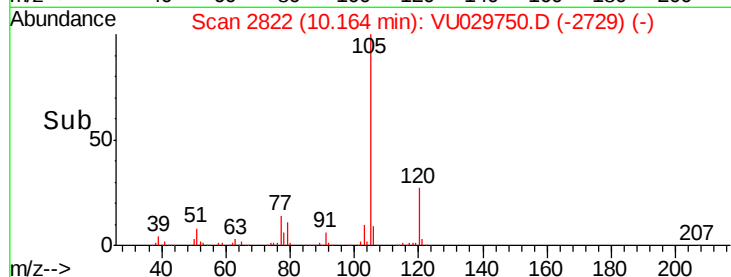
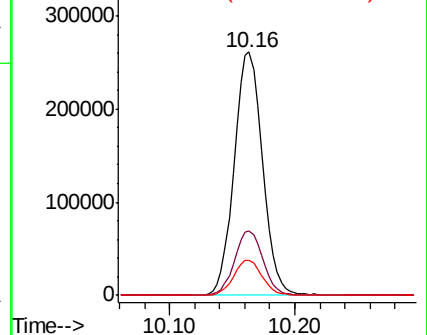
77 14.5 11.5 17.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.219 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

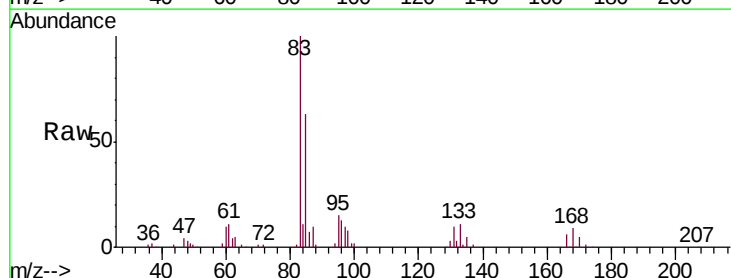
Tgt Ion: 83 Resp: 80035

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.3

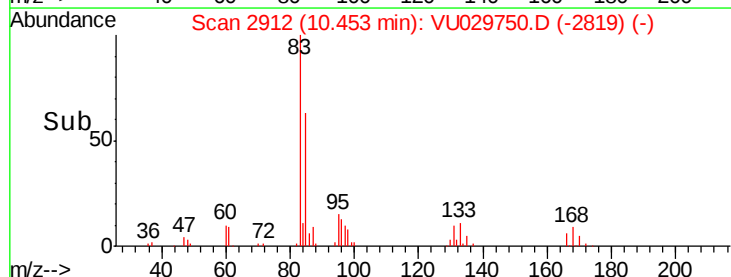
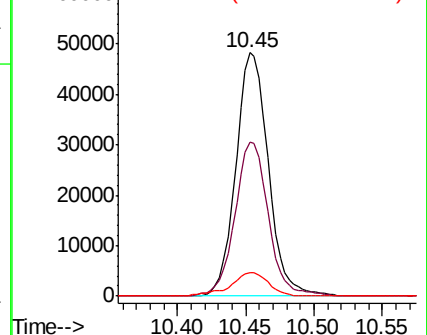
131 9.7 8.9 13.3

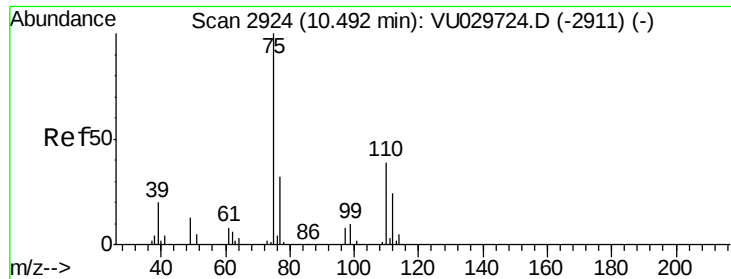


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

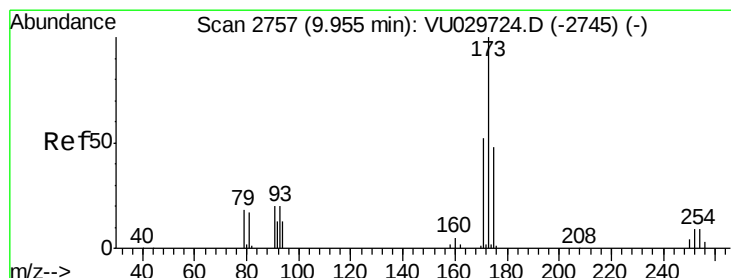
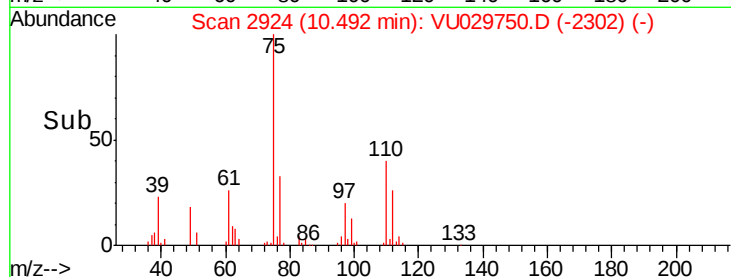
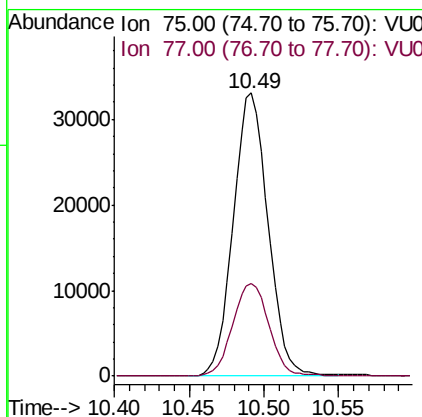
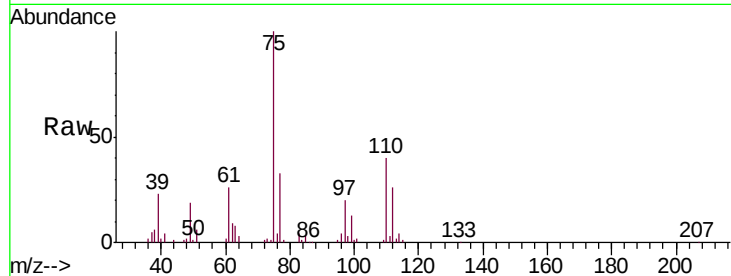




#59
 1,2,3-Trichloropropane
 Concen: 5.056 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

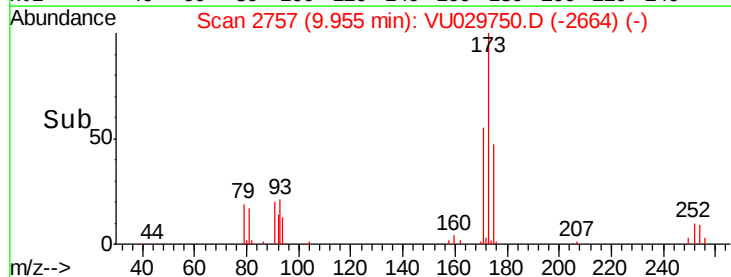
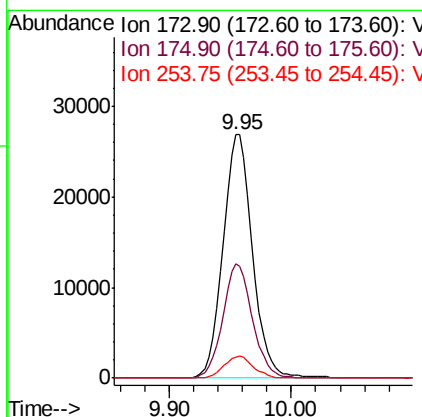
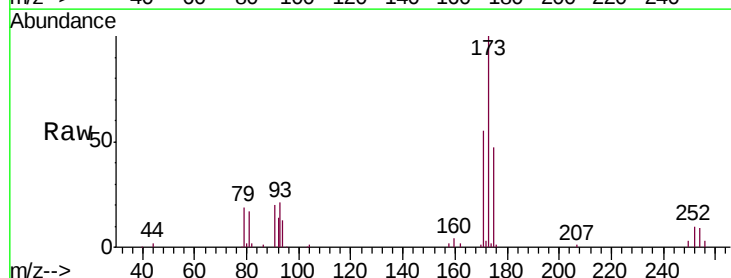
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

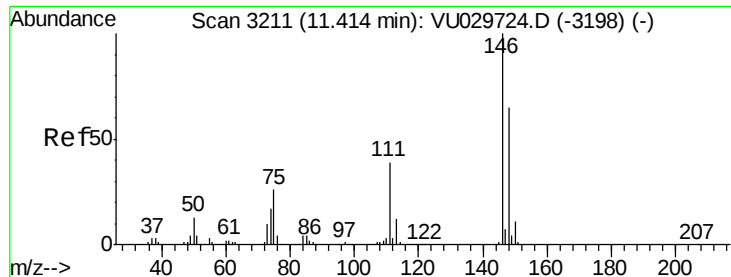
Tgt Ion: 75 Resp: 53641
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.6 38.4



#61
 Bromoform
 Concen: 5.341 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Tgt Ion: 173 Resp: 45511
 Ion Ratio Lower Upper
 173 100
 175 46.8 39.0 58.6
 254 8.8 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 4.933 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

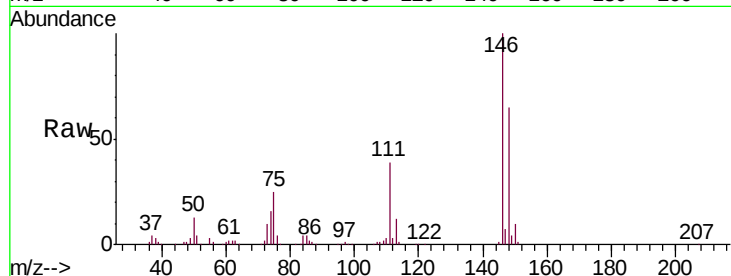
Tgt Ion:146 Resp: 201252

Ion Ratio Lower Upper

146 100

111 39.0 25.7 47.7

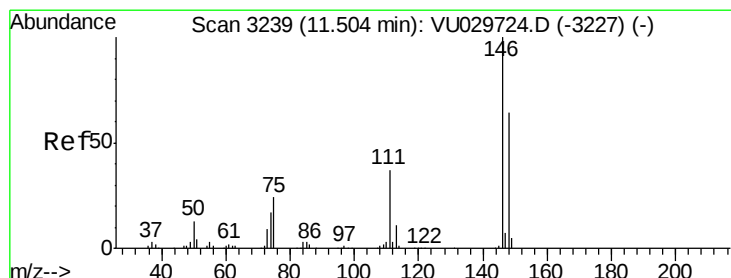
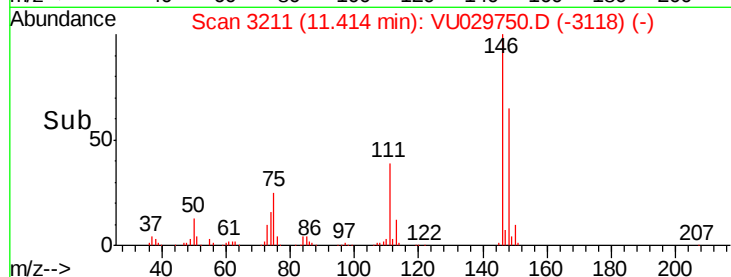
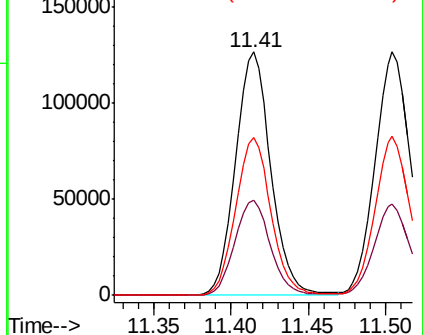
148 64.8 44.0 81.8



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: 4.951 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

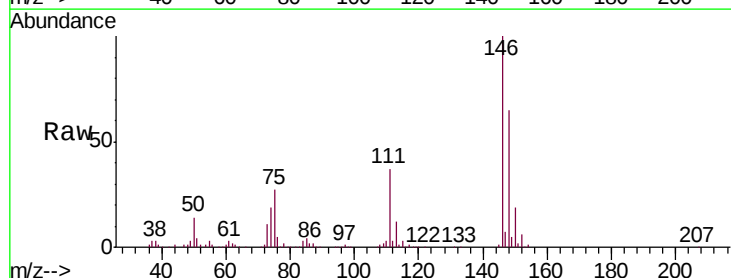
Tgt Ion:146 Resp: 204842

Ion Ratio Lower Upper

146 100

111 37.5 25.4 47.2

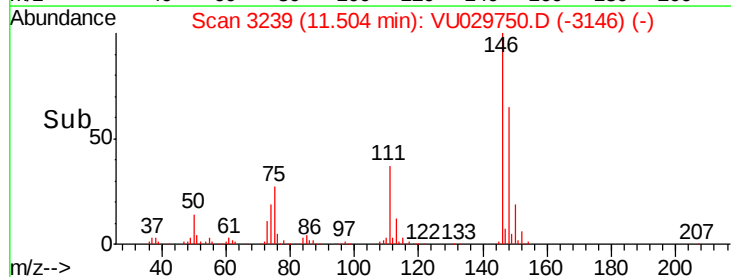
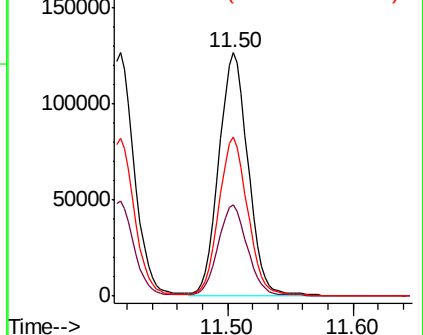
148 65.3 43.7 81.1

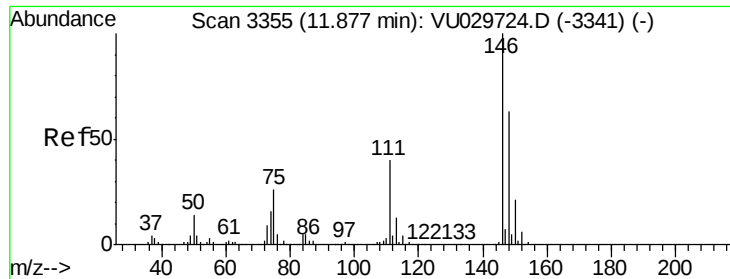


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

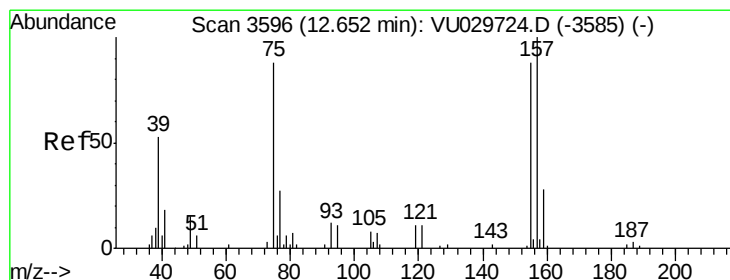
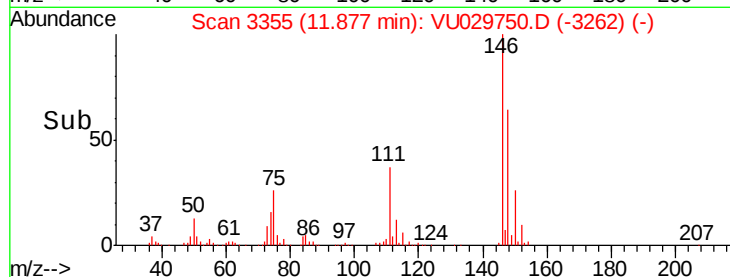
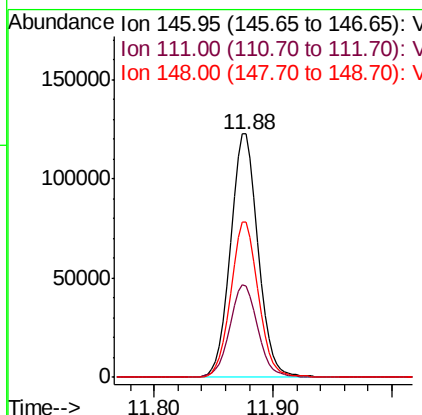
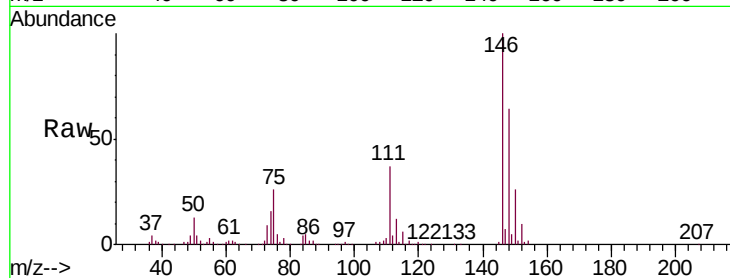




#65
 1,2-Dichlorobenzene
 Concen: 5.010 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

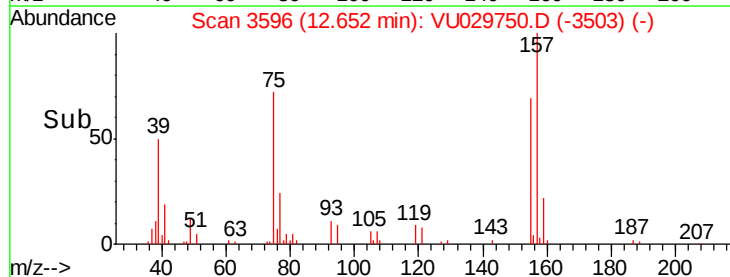
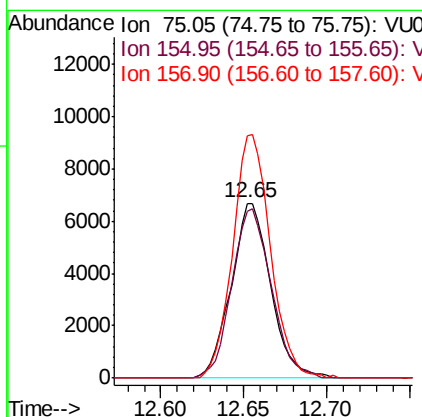
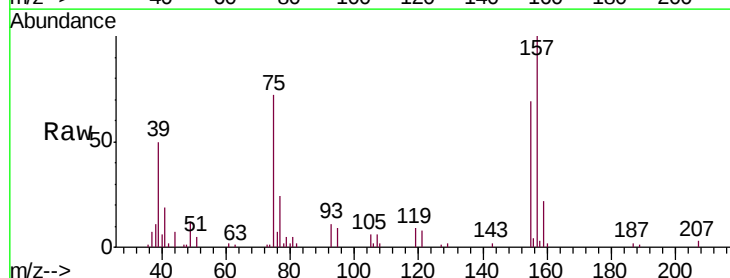
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

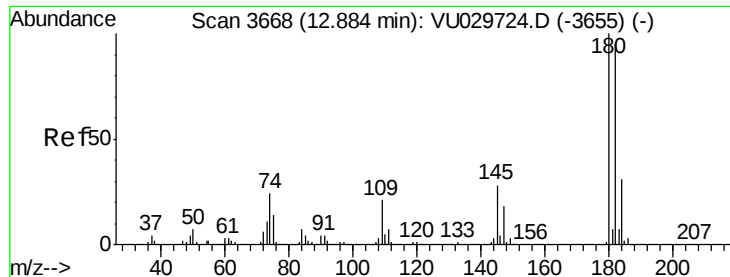
Tgt Ion:146 Resp: 197323
 Ion Ratio Lower Upper
 146 100
 111 37.2 32.2 48.2
 148 63.6 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.796 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Tgt Ion: 75 Resp: 11104
 Ion Ratio Lower Upper
 75 100
 155 95.7 75.5 113.3
 157 138.6 93.8 140.6

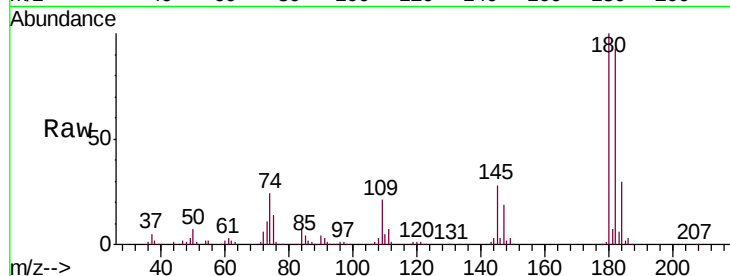




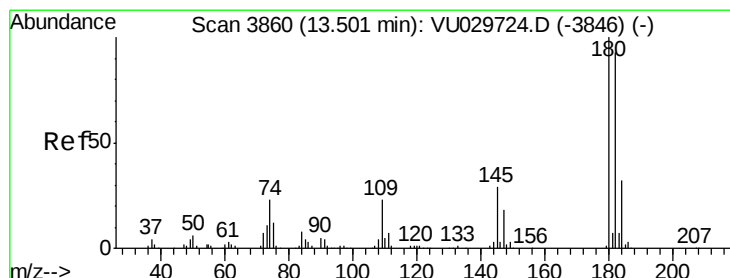
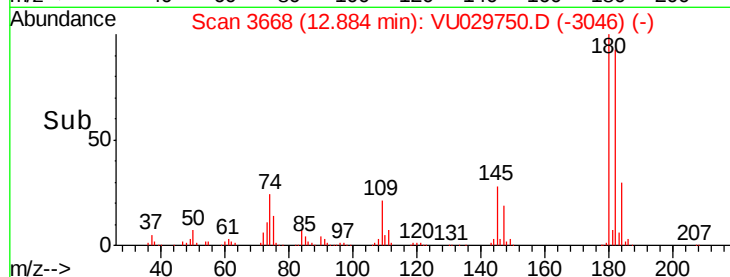
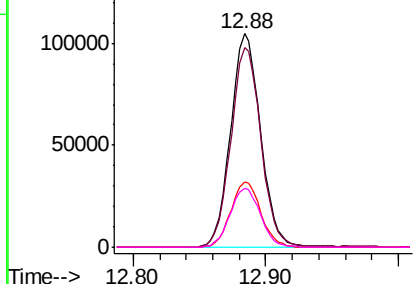
#67
 1,3,5-Trichlorobenzene
 Concen: 5.006 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion:180 Resp: 164461
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.0 115.6
 184 30.6 25.0 37.4
 145 28.2 22.4 33.6

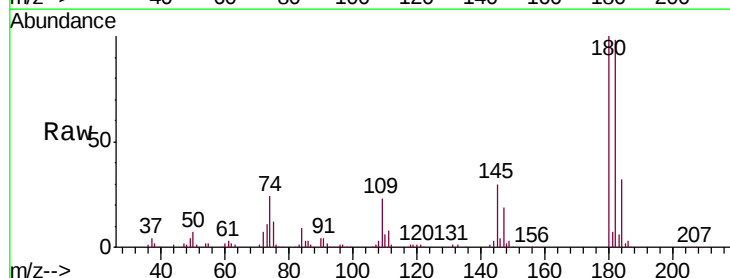


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

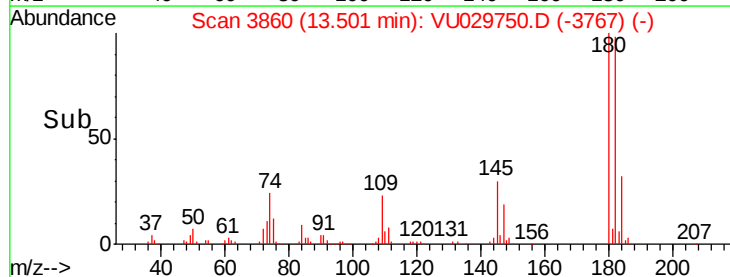
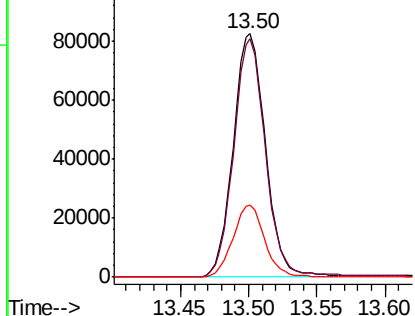


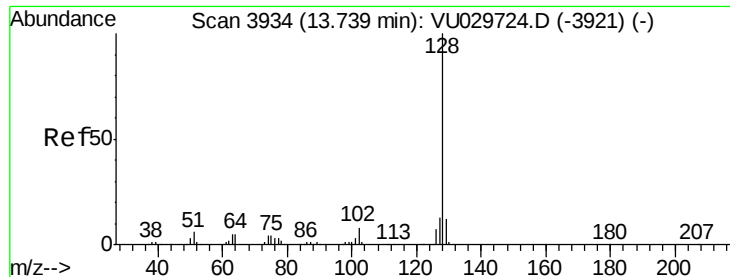
#68
 1,2,4-trichlorobenzene
 Concen: 4.891 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029750.D
 Acq: 01 Mar 2019 08:52

Tgt Ion:180 Resp: 135763
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.7 113.5
 145 29.2 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: 5.126 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

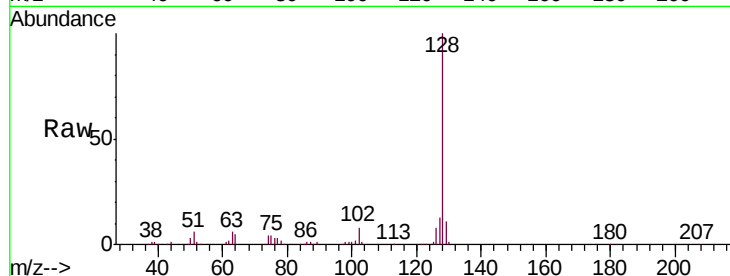
Tgt Ion:128 Resp: 220006

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

127 12.6 10.0 15.0

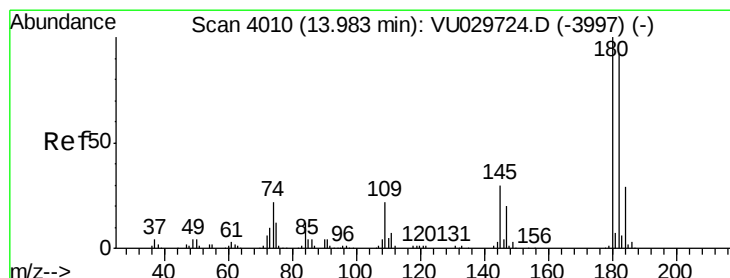
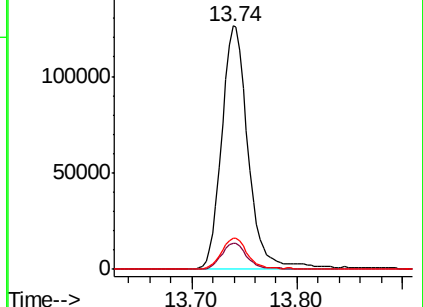
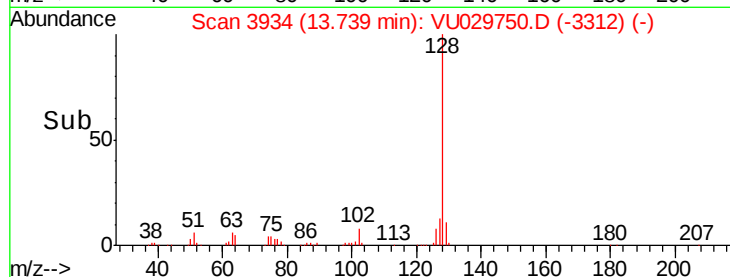


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

13.74



#70

1,2,3-Trichlorobenzene

Concen: 4.979 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029750.D

Acq: 01 Mar 2019 08:52

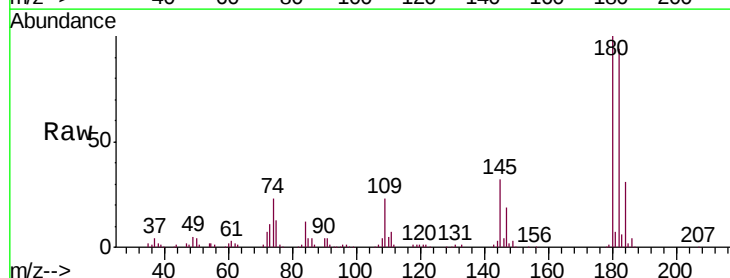
Tgt Ion:180 Resp: 129433

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.4

145 31.7 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

13.98

