

Data File : VU032530.D
Acq On : 07 Jun 2019 09:56
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

Quant Time: Jun 07 22:18:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212622	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	203216	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109613	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58080	42.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.20%
7) Chloroethane-d5	1.67	69	49772	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.27	63	125059	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.60%
21) 2-Butanone-d5	4.17	46	122814	106.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.39%
24) Chloroform-d	4.64	84	126133	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
26) 1,2-Dichloroethane-d4	5.30	65	79676	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
32) Benzene-d6	5.33	84	245904	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
36) 1,2-Dichloropropane-d6	6.32	67	79081	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.60%
41) Toluene-d8	7.56	98	232940	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.85	79	39986	50.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.02%
47) 2-Hexanone-d5	8.31	63	86973	108.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118712	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	104823	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	97988	51.120 ug/L	99
3) Chloromethane	1.32	50	86817	46.872 ug/L	98
5) Vinyl chloride	1.40	62	88624	47.899 ug/L	97
6) Bromomethane	1.62	94	50109	45.446 ug/L	99
8) Chloroethane	1.69	64	50402	45.829 ug/L	98
9) Trichlorofluoromethane	1.88	101	122208	48.915 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66658	51.301 ug/L	97
12) 1,1-Dichloroethene	2.28	96	63257	50.139 ug/L	81
13) Acetone	2.31	43	127634	107.152 ug/L	99
14) Carbon disulfide	2.47	76	188047	49.055 ug/L	99
15) Methyl Acetate	2.61	43	87326	51.348 ug/L	98
16) Methylene chloride	2.69	84	72006	50.018 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	68859	50.366 ug/L	97
18) Methyl tert-butyl Ether	2.99	73	225491	50.203 ug/L	99
19) 1,1-Dichloroethane	3.44	63	126586	50.790 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	77011	49.772 ug/L	96
22) 2-Butanone	4.25	43	154074	109.443 ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39770	49.434	ug/L	95
25) Chloroform	4.67	83	128878	50.109	ug/L	99
27) 1,2-Dichloroethane	5.40	62	103072	50.694	ug/L	100
29) Cyclohexane	4.99	56	120734	49.949	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	114642	49.834	ug/L	99
31) Carbon tetrachloride	5.13	117	103867	49.262	ug/L	99
33) Benzene	5.38	78	281454	49.294	ug/L	100
34) Trichloroethene	6.18	95	75405	48.542	ug/L	99
35) Methylcyclohexane	6.41	83	128498	51.097	ug/L	98
37) 1,2-Dichloropropane	6.43	63	74628	49.306	ug/L	100
38) Bromodichloromethane	6.75	83	96828	49.683	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	122263	51.197	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	252758	103.803	ug/L	99
42) Toluene	7.63	91	308811	49.385	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	108893	51.374	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	71613	50.034	ug/L	98
46) Tetrachloroethene	8.22	164	64798	50.506	ug/L	99
48) 2-Hexanone	8.36	43	209467	104.735	ug/L	99
49) Dibromochloromethane	8.47	129	82765	49.749	ug/L	97
50) 1,2-Dibromoethane	8.58	107	79247	49.190	ug/L	100
51) Chlorobenzene	9.11	112	199568	49.537	ug/L	99
52) Ethylbenzene	9.24	91	347354	49.835	ug/L	100
53) m,p-Xylene	9.37	106	129988	49.045	ug/L	99
54) o-xylene	9.77	106	130949	49.762	ug/L	99
55) Styrene	9.79	104	221833	50.495	ug/L	99
56) Isopropylbenzene	10.16	105	347417	50.067	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	122546	50.095	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	99416	50.527	ug/L	100
61) Bromoform	9.95	173	64980	49.722	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	167350	50.464	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	169718	50.059	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	169569	50.576	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	30077	53.319	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	137650	53.350	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	124116	56.783	ug/L	99
69) Naphthalene	13.74	128	381443	55.325	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	126032	55.403	ug/L	99

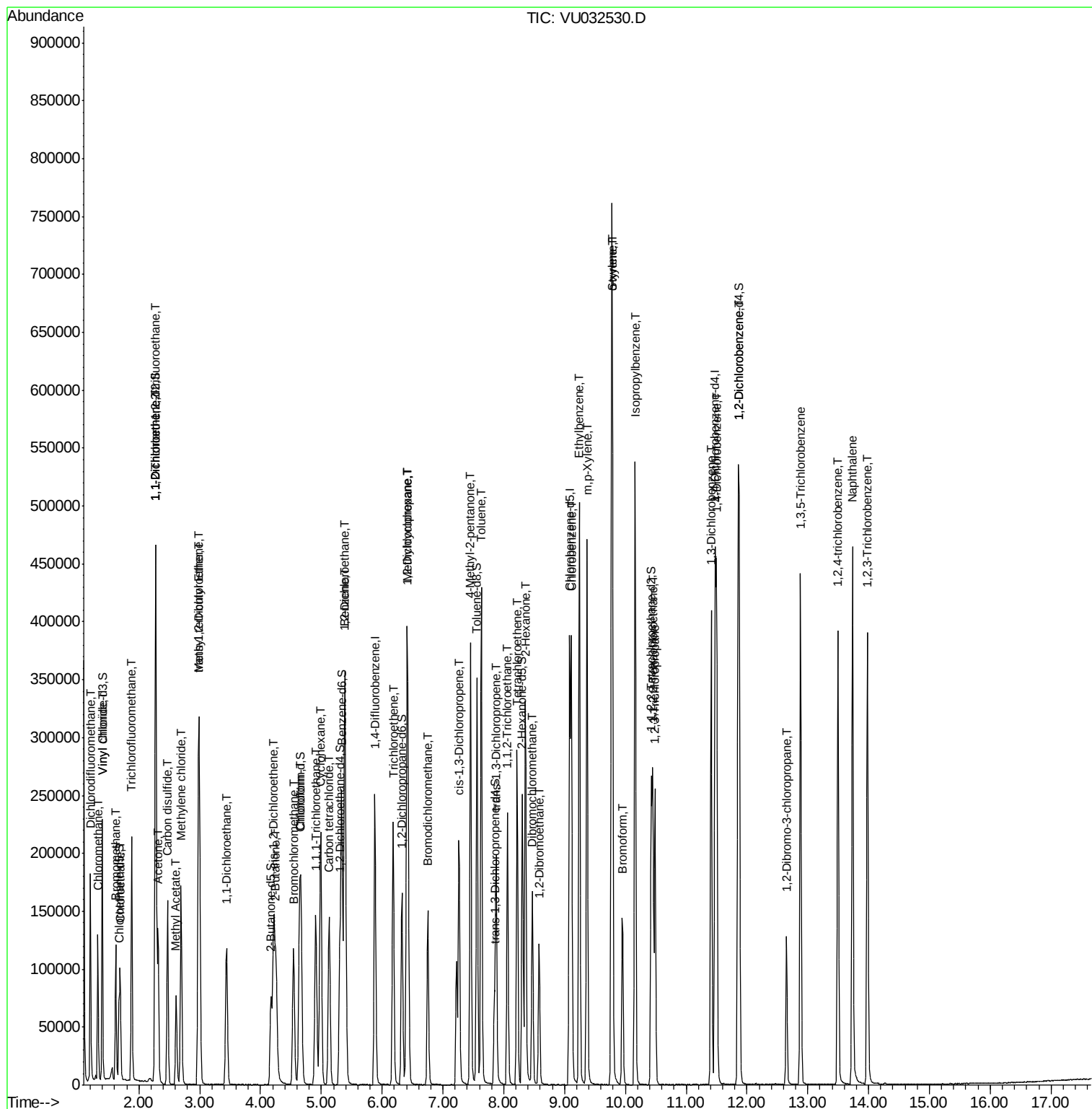
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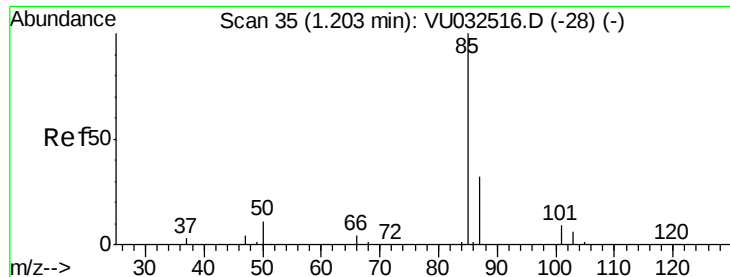
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#2

Dichlorodifluoromethane

Concen: 51.120 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

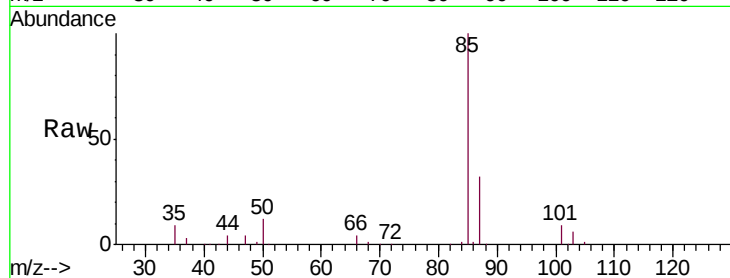
VSTD05036

Tgt Ion: 85 Resp: 97988

Ion Ratio Lower Upper

85 100

87 31.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032516.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032516.D (-28) (-)

1.20

100000

80000

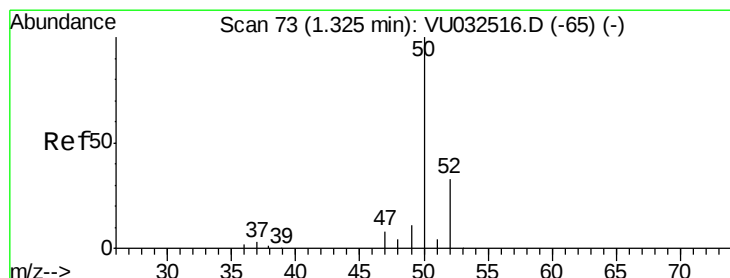
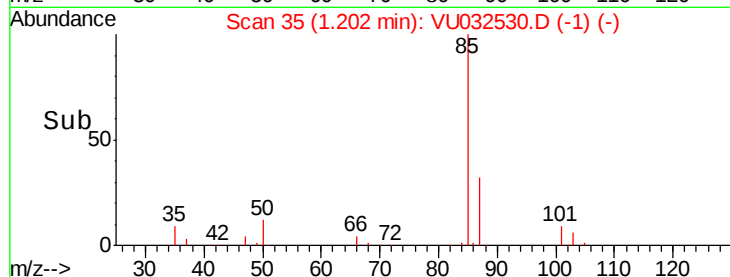
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 46.872 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032530.D

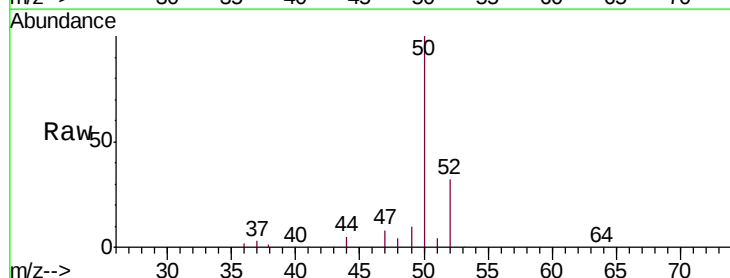
Acq: 07 Jun 2019 09:56

Tgt Ion: 50 Resp: 86817

Ion Ratio Lower Upper

50 100

52 31.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032516.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032516.D (-65) (-)

1.32

80000

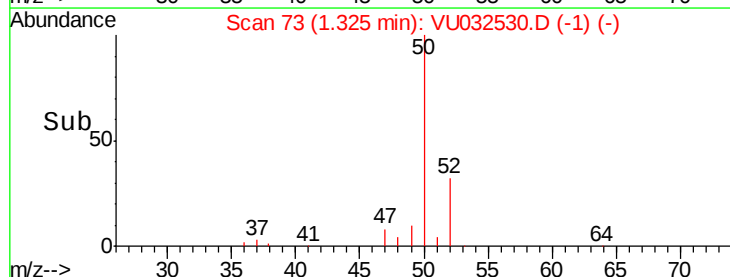
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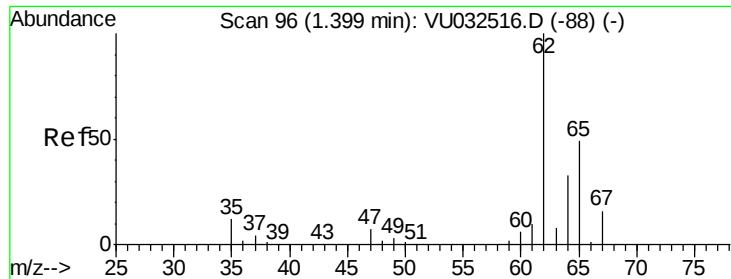
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 47.899 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

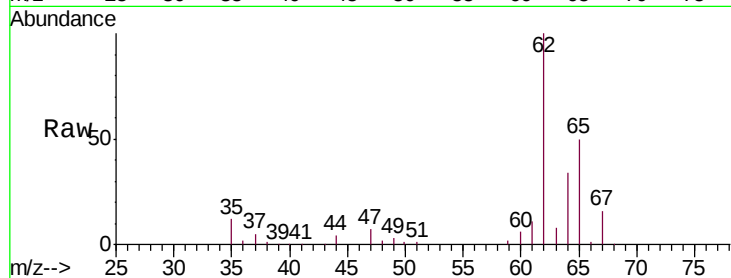
VSTD05036

Tgt Ion: 62 Resp: 88624

Ion Ratio Lower Upper

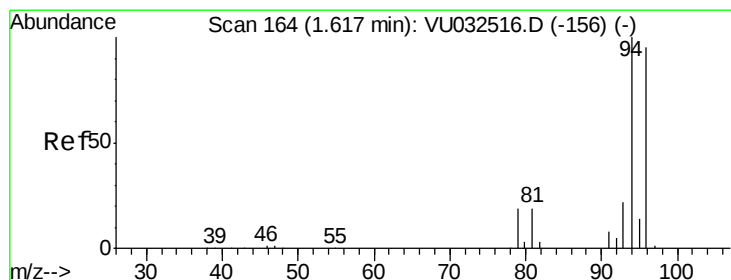
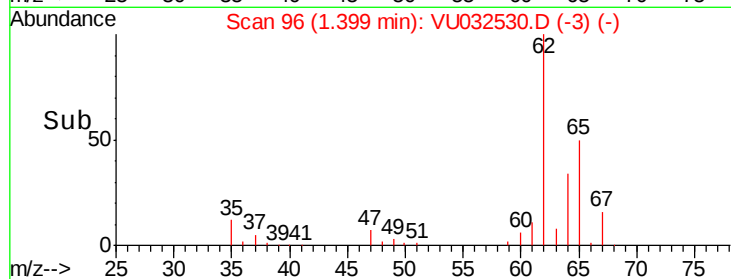
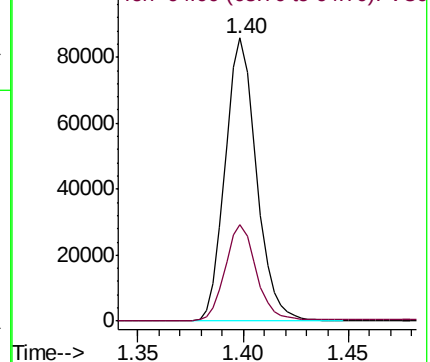
62 100

64 34.3 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032516.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032530.D (-3) (-)



#6

Bromomethane

Concen: 45.446 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032530.D

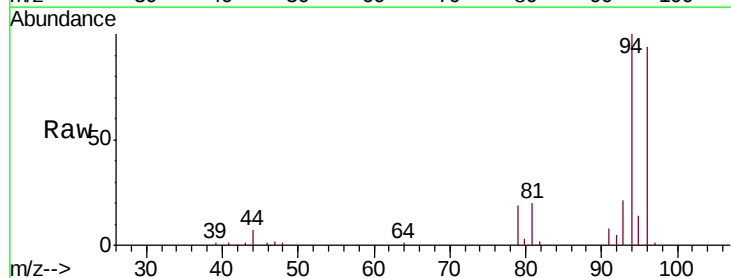
Acq: 07 Jun 2019 09:56

Tgt Ion: 94 Resp: 50109

Ion Ratio Lower Upper

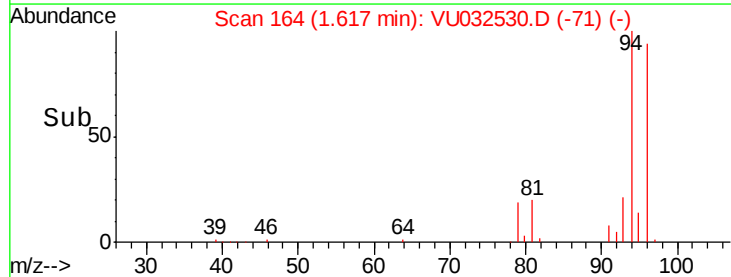
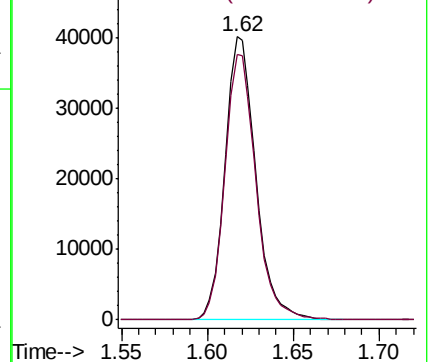
94 100

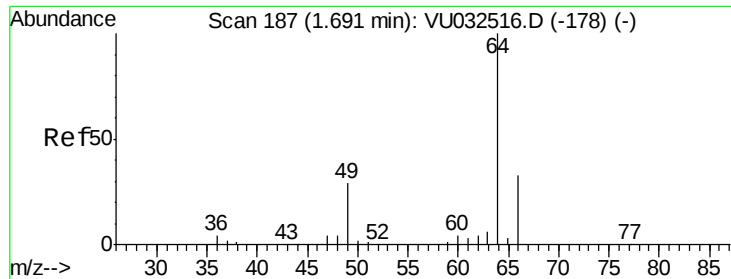
96 93.8 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032516.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032530.D (-71) (-)





#8

Chloroethane

Concen: 45.829 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

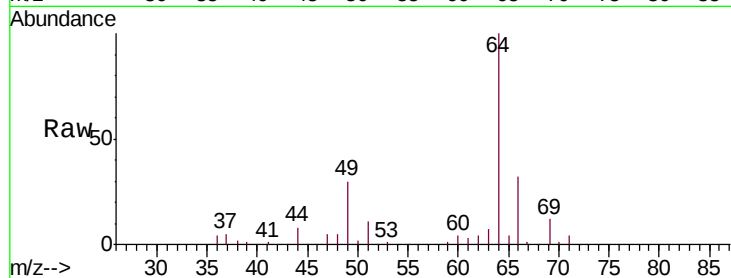
VSTD05036

Tgt Ion: 64 Resp: 50402

Ion Ratio Lower Upper

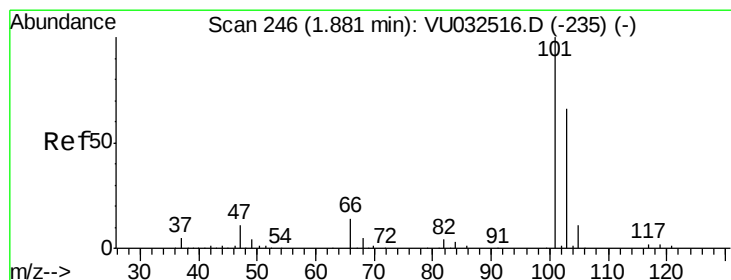
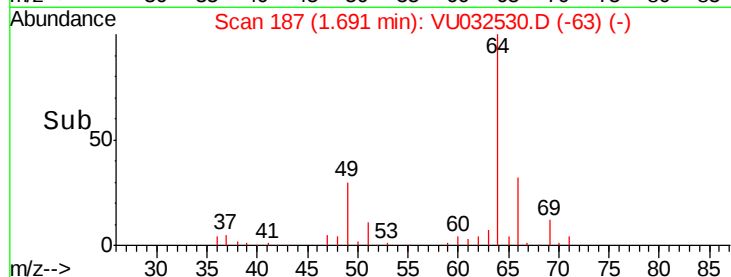
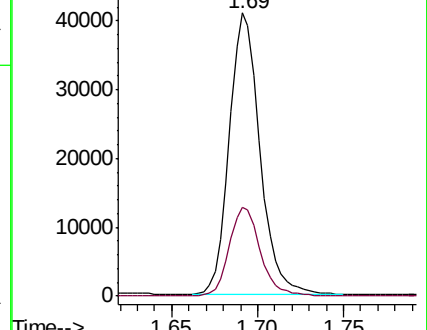
64 100

66 31.5 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032516.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032516.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 48.915 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032530.D

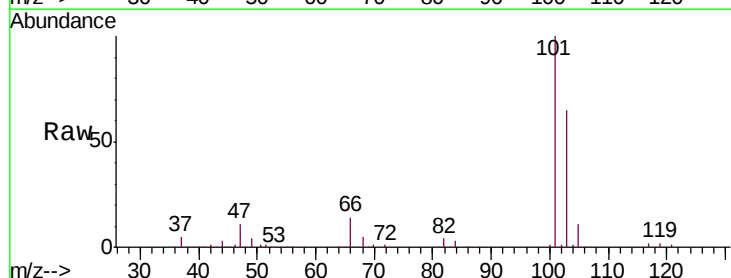
Acq: 07 Jun 2019 09:56

Tgt Ion: 101 Resp: 122208

Ion Ratio Lower Upper

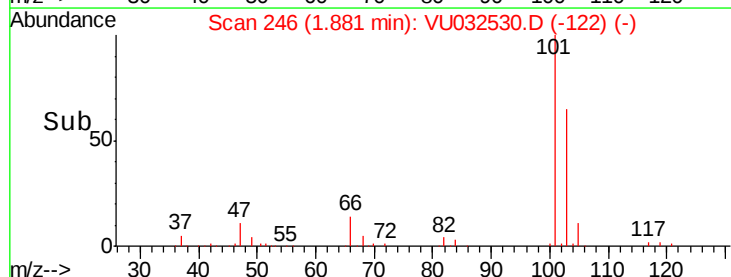
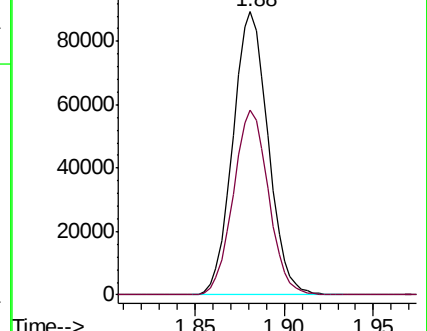
101 100

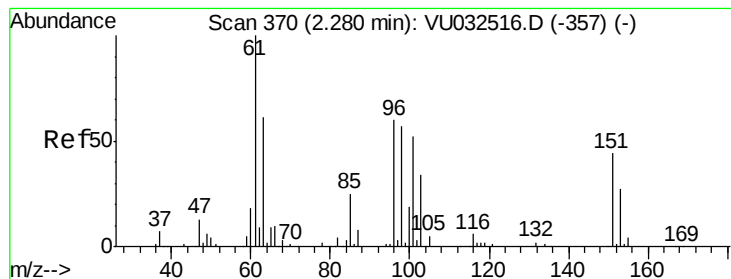
103 65.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032516.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032516.D (-235) (-)





#10

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

Concen: 51.301 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032530.D

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ClientSampleId :

VSTD05036

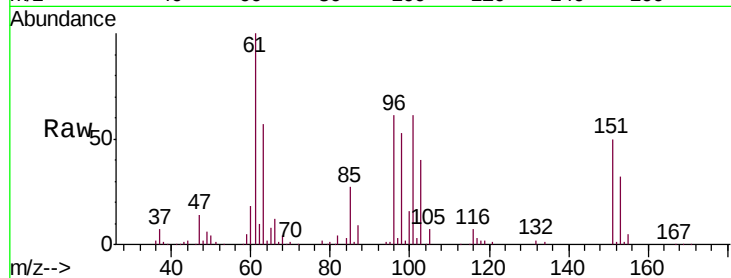
Tgt Ion: 101 Resp: 66658

Ion Ratio Lower Upper

101 100

85 45.9 36.1 54.1

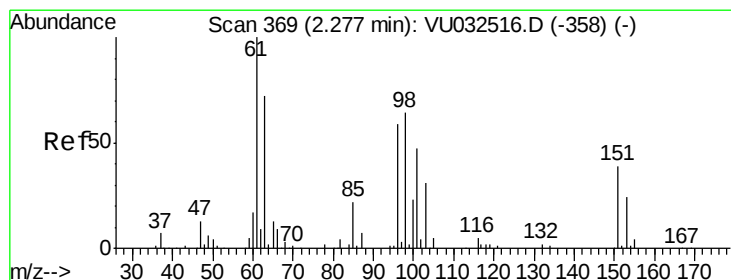
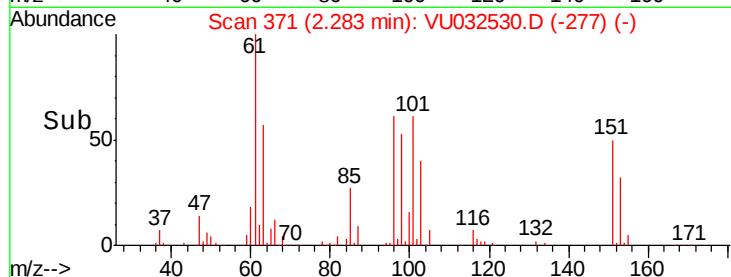
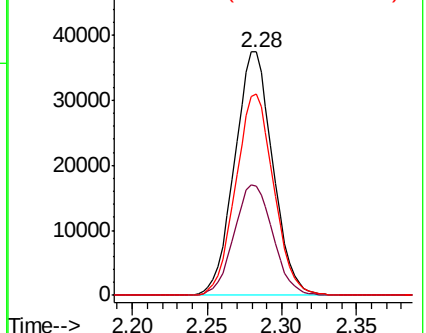
151 82.1 63.0 94.4



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: 50.139 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

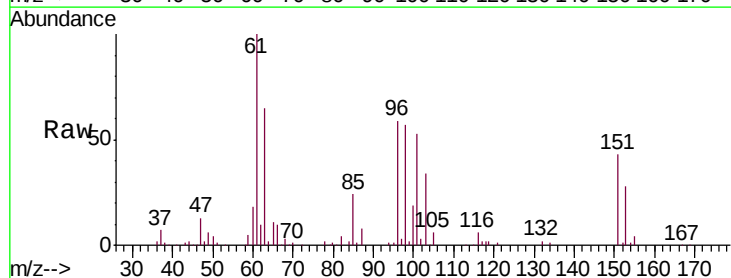
Tgt Ion: 96 Resp: 63257

Ion Ratio Lower Upper

96 100

61 169.0 129.5 240.5

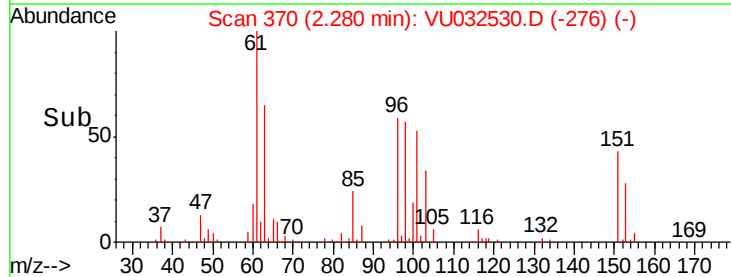
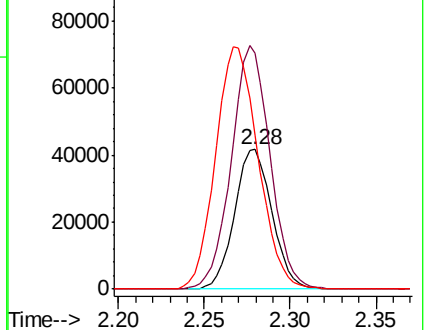
63 110.6 103.4 192.0

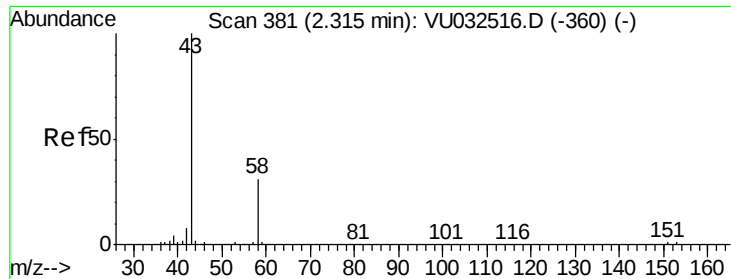


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 107.152 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032530.D

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MSVOA_U

ClientSampleId :

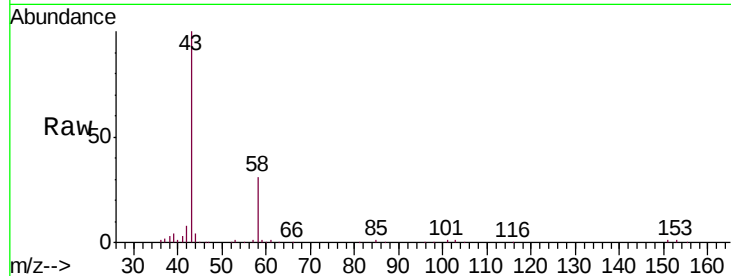
VSTD05036

Tgt Ion: 43 Resp: 127634

Ion Ratio Lower Upper

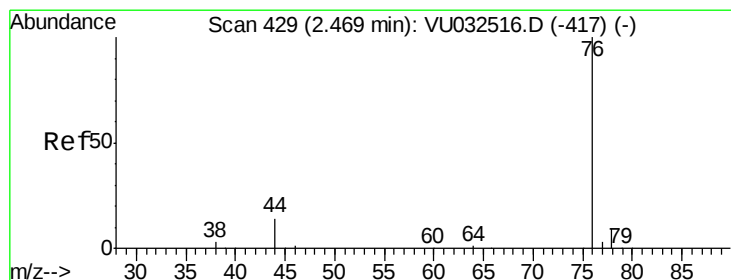
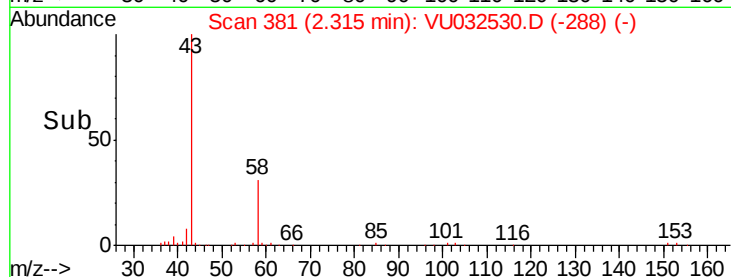
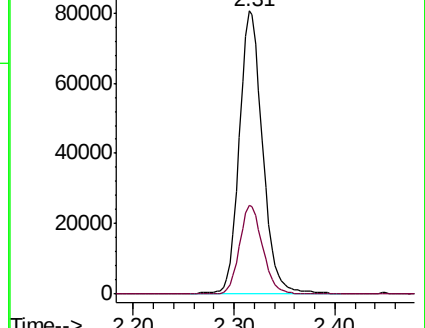
43 100

58 31.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032530.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU032530.D (-288) (-)



#14

Carbon disulfide

Concen: 49.055 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032530.D

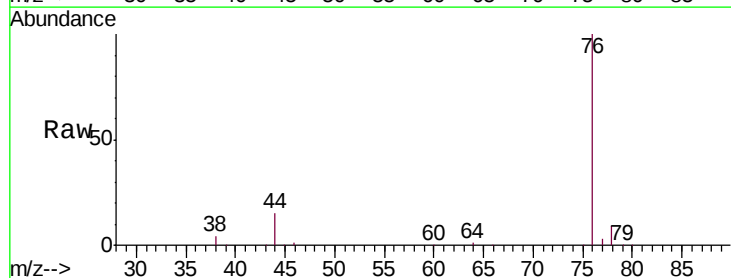
Acq: 07 Jun 2019 09:56

Tgt Ion: 76 Resp: 188047

Ion Ratio Lower Upper

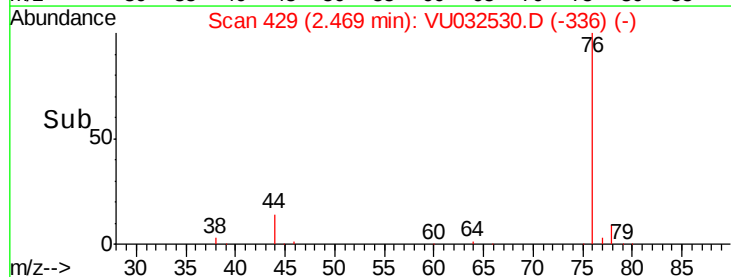
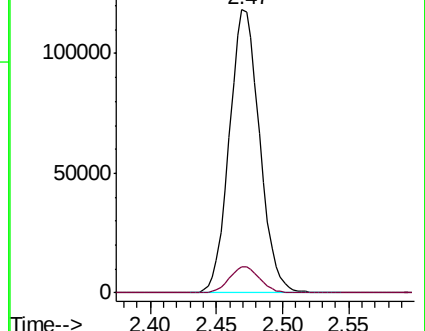
76 100

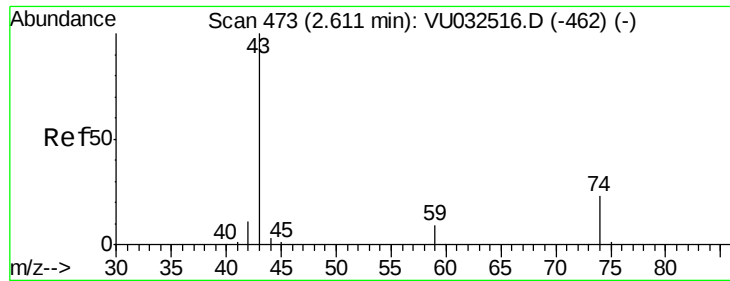
78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032530.D (-336) (-)

Ion 78.00 (77.70 to 78.70): VU032530.D (-336) (-)

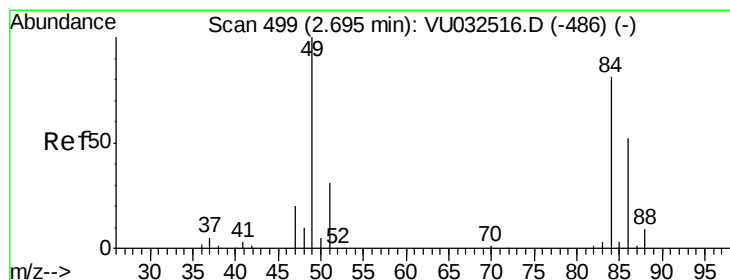
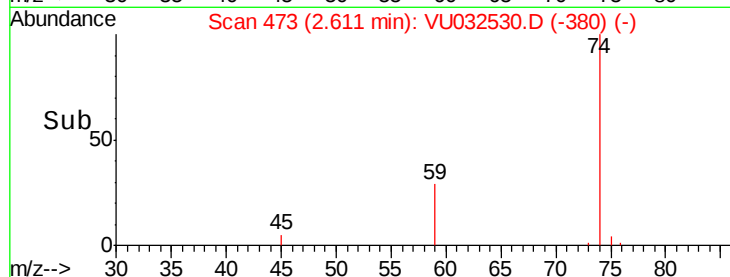
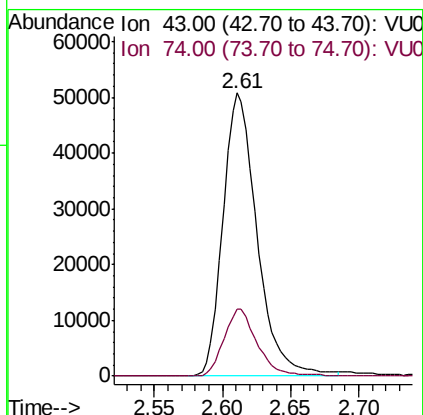
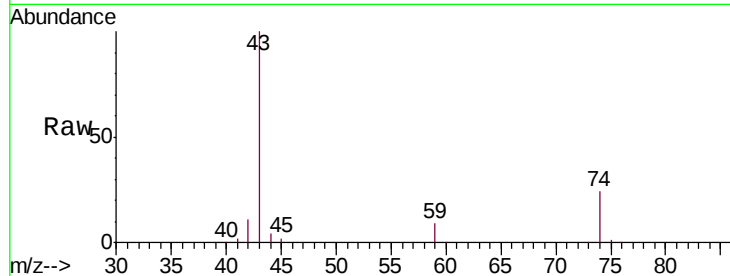




#15
Methyl Acetate
Concen: 51.348 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

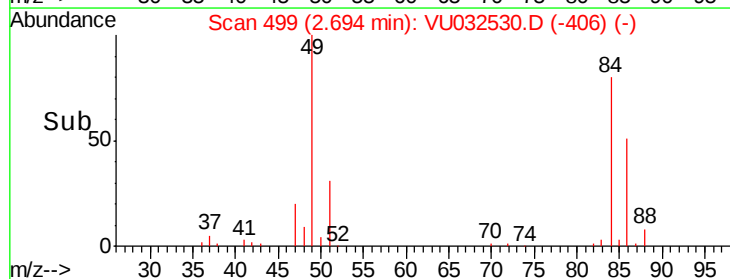
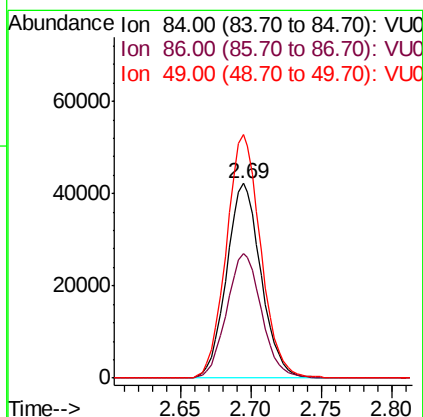
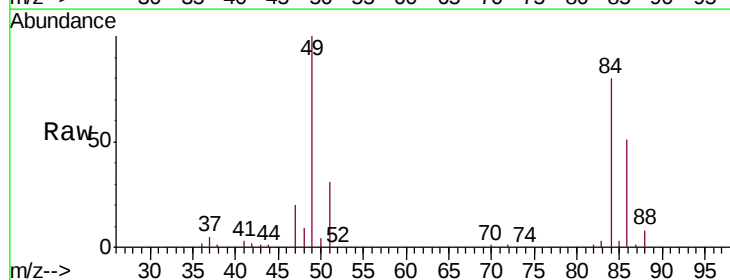
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

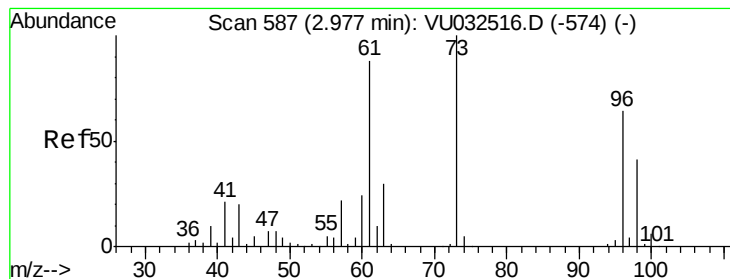
Tgt Ion: 43 Resp: 87326
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0



#16
Methylene chloride
Concen: 50.018 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

Tgt Ion: 84 Resp: 72006
Ion Ratio Lower Upper
84 100
86 63.9 44.7 82.9
49 125.3 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 50.366 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

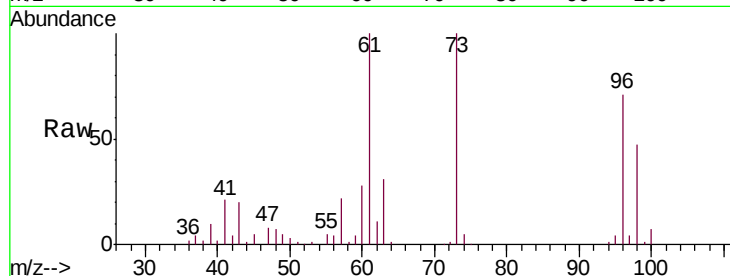
Tgt Ion: 96 Resp: 68859

Ion Ratio Lower Upper

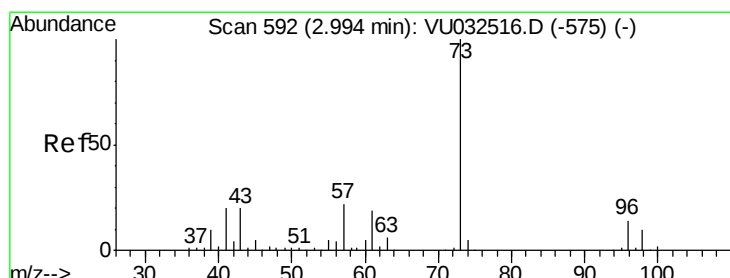
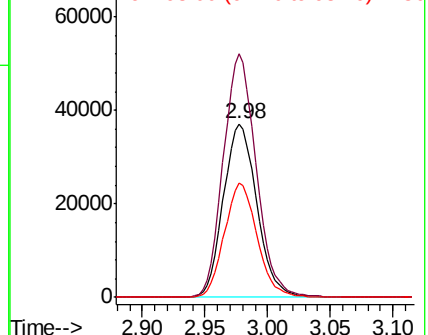
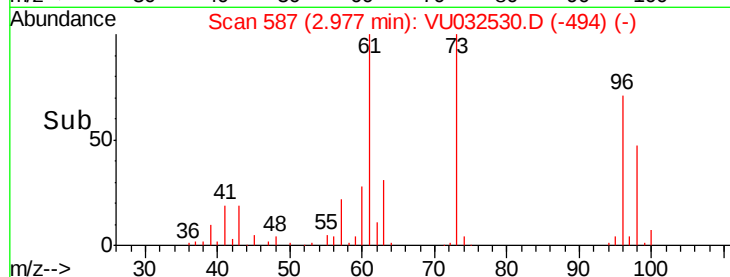
96 100

61 140.1 95.7 177.7

98 65.7 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032530.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 50.203 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

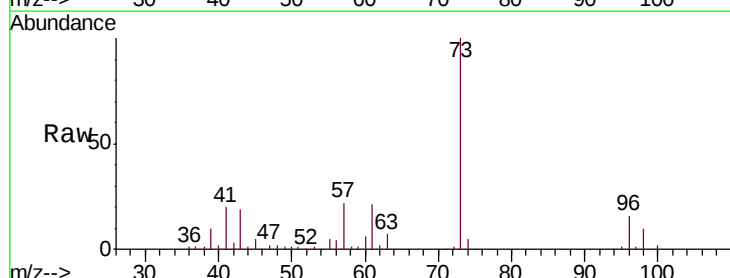
Tgt Ion: 73 Resp: 225491

Ion Ratio Lower Upper

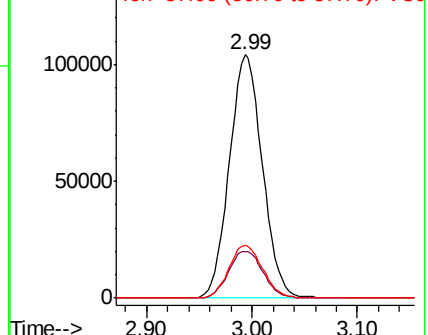
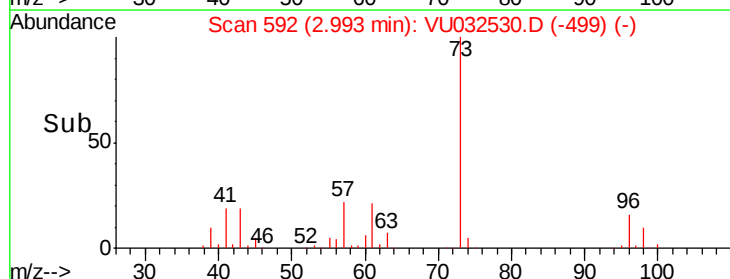
73 100

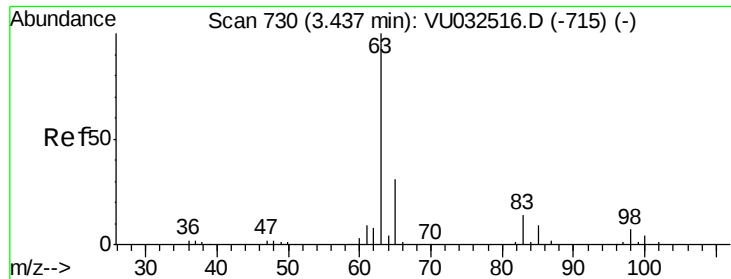
43 20.0 15.8 23.6

57 22.2 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VU032530.D (-499) (-)

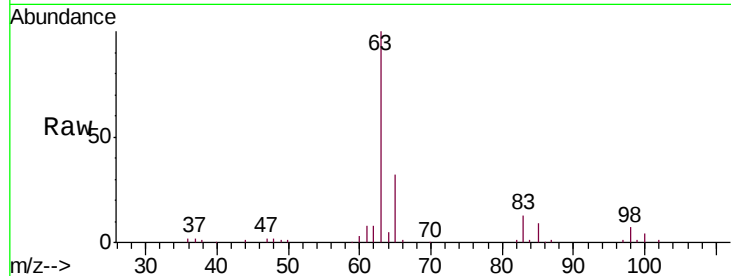




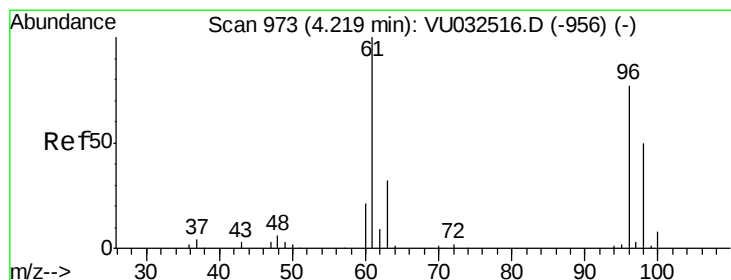
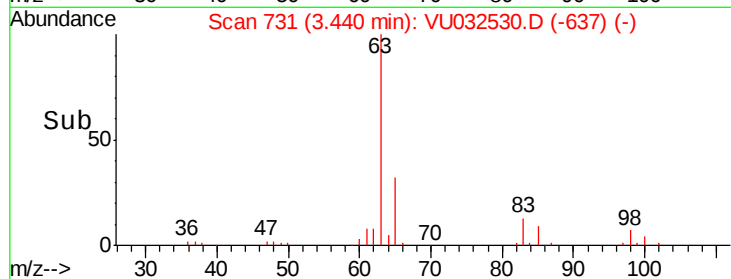
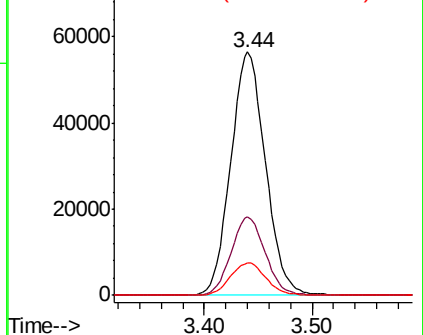
#19
 1,1-Dichloroethane
 Concen: 50.790 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Tgt Ion: 63 Resp: 126586
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.8 40.6
 83 13.4 9.8 18.2

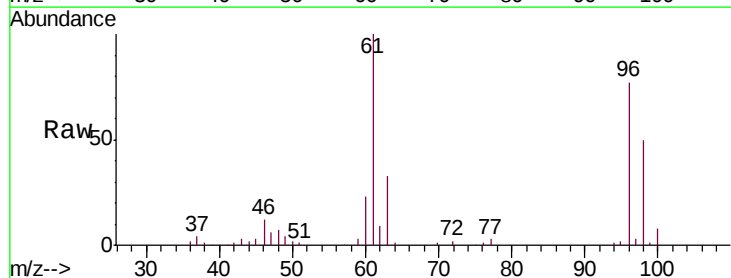


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

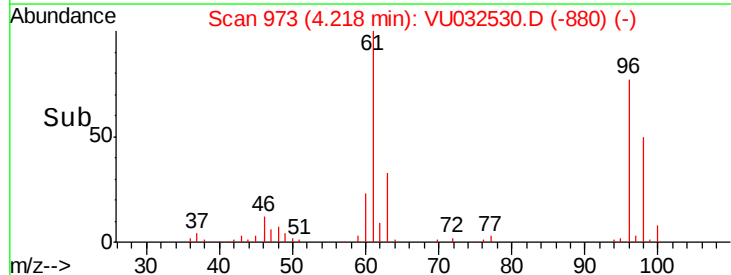
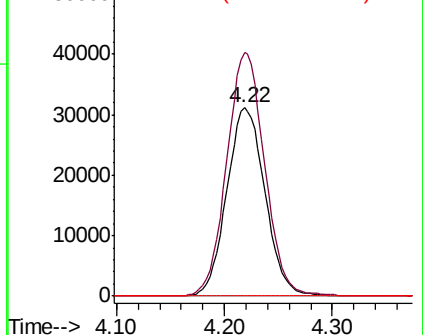


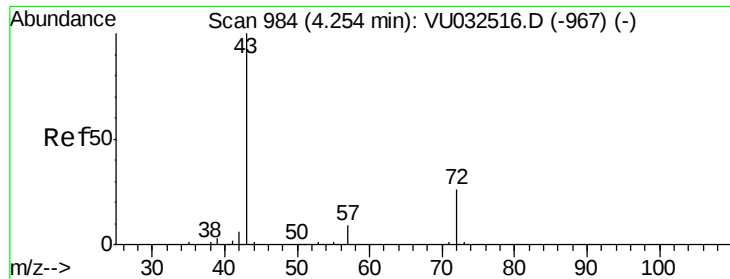
#20
 cis-1,2-Dichloroethene
 Concen: 49.772 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

Tgt Ion: 96 Resp: 77011
 Ion Ratio Lower Upper
 96 100
 61 129.5 87.2 162.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 109.443 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

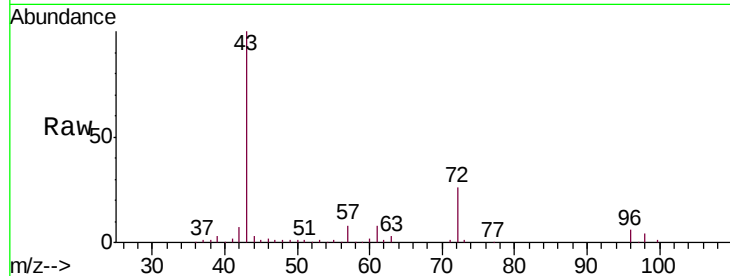
VSTD05036

Tgt Ion: 43 Resp: 154074

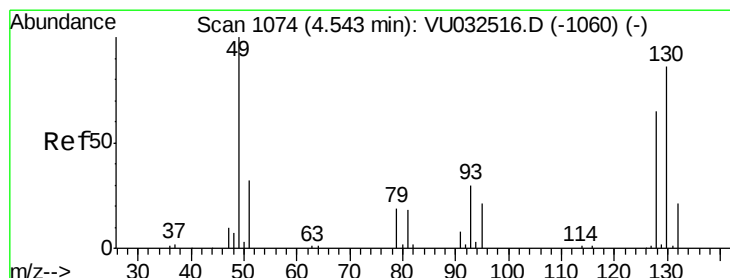
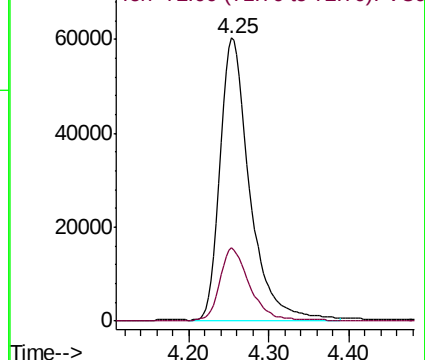
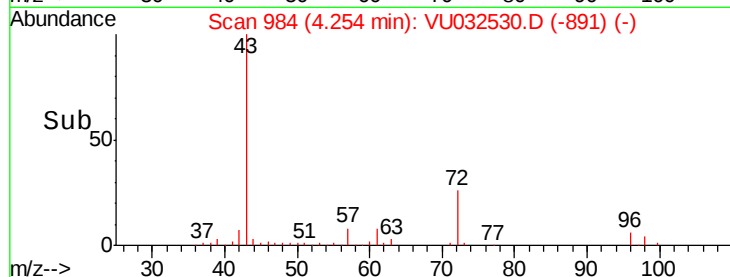
Ion Ratio Lower Upper

43 100

72 26.2 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032530.D (-891) (-)



#23

Bromochloromethane

Concen: 49.434 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Tgt Ion: 128 Resp: 39770

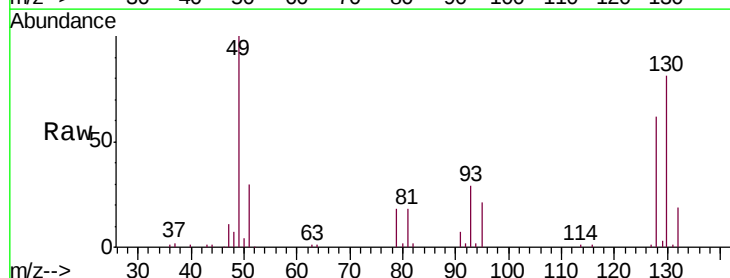
Ion Ratio Lower Upper

128 100

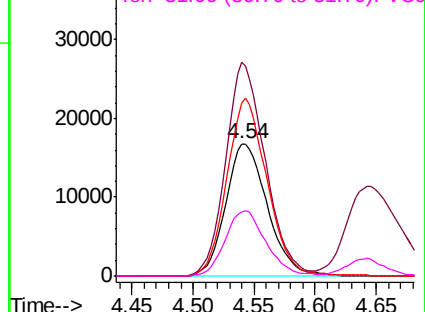
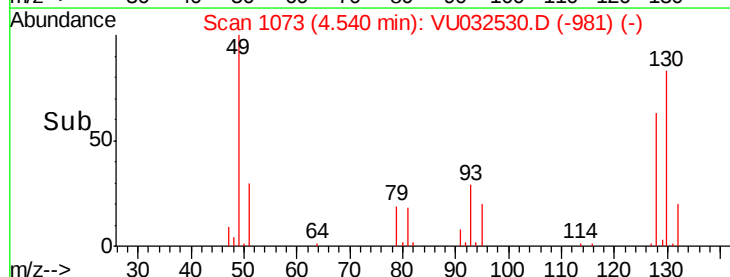
49 161.3 103.7 192.5

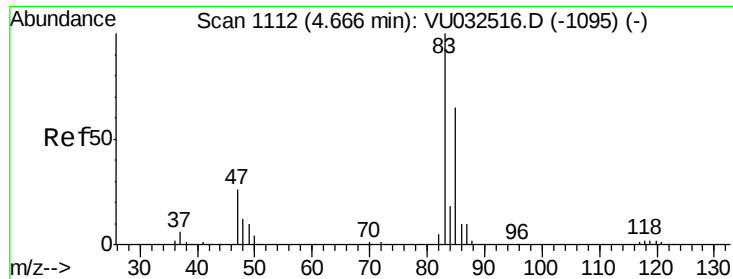
130 130.4 92.2 171.2

51 48.4 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU032530.D (-981) (-)

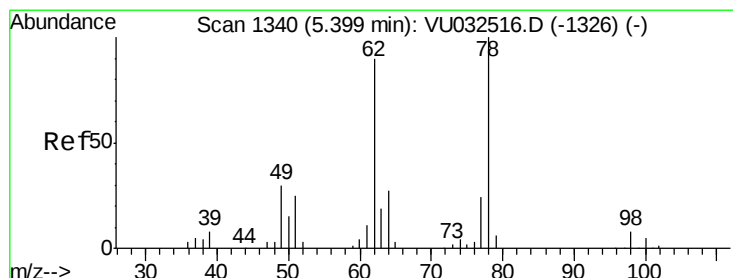
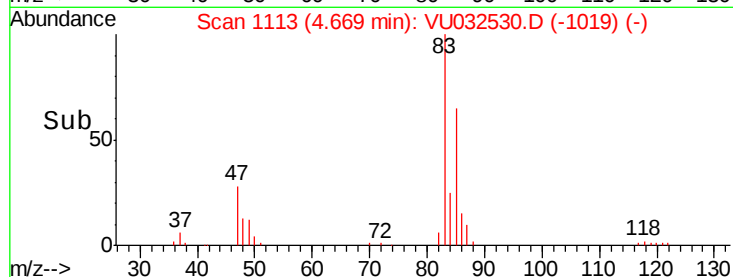
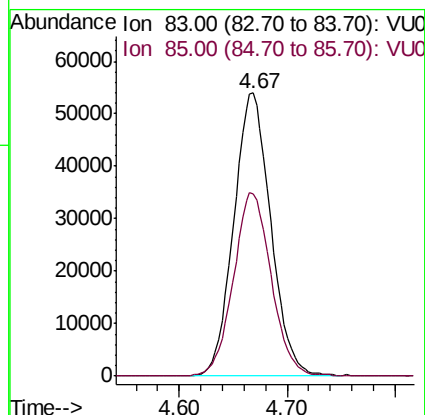
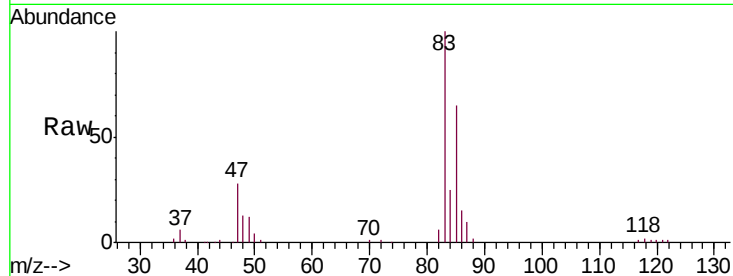




#25
Chloroform
Concen: 50.109 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

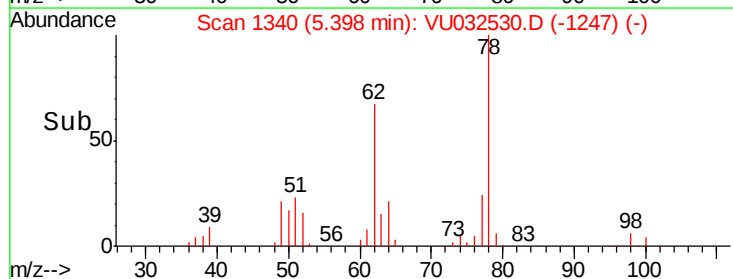
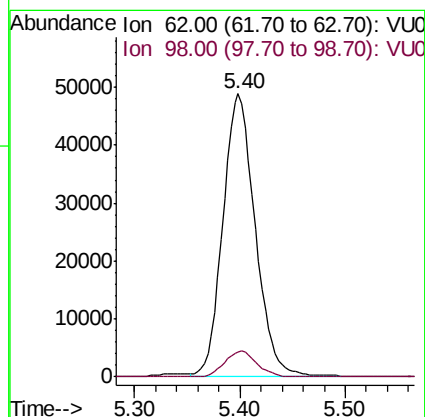
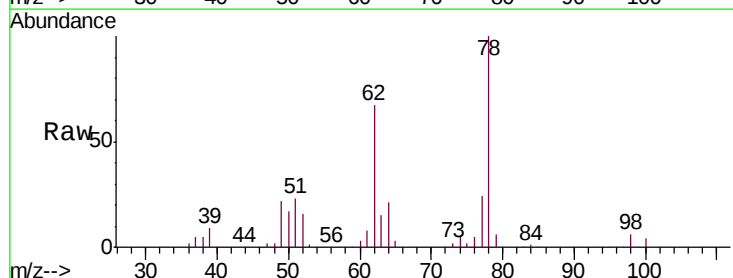
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

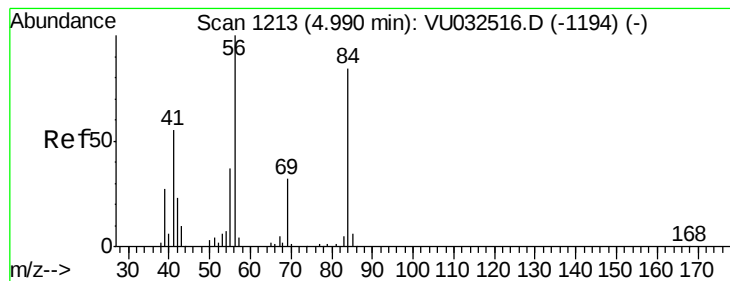
Tgt Ion: 83 Resp: 128878
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 50.694 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

Tgt Ion: 62 Resp: 103072
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 49.949 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

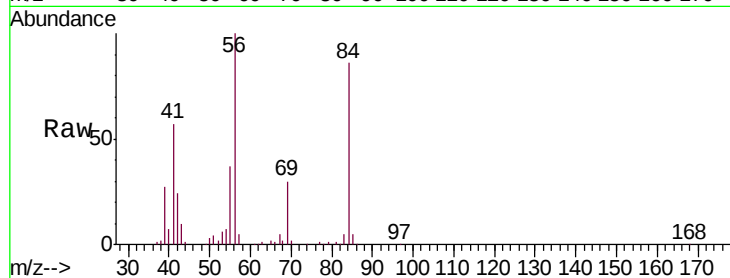
Tgt Ion: 56 Resp: 120734

Ion Ratio Lower Upper

56 100

69 30.0 24.7 37.1

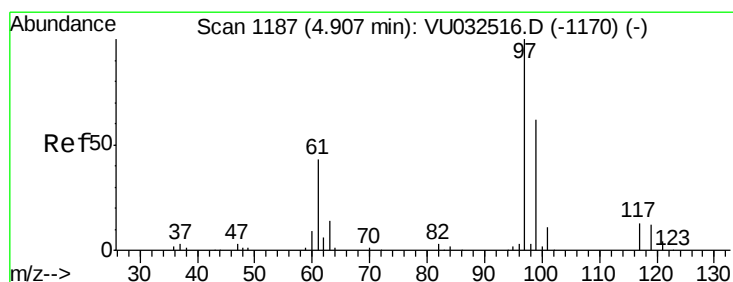
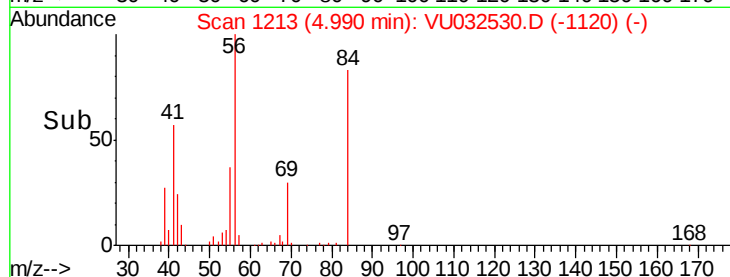
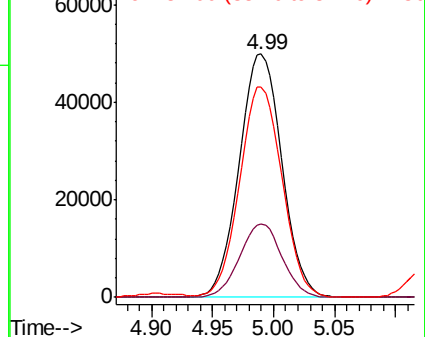
84 85.3 69.0 103.4



Abundance Ion 56.00 (55.70 to 56.70): VU032516.D (-1194) (-)

Ion 69.00 (68.70 to 69.70): VU032516.D (-1194) (-)

Ion 84.00 (83.70 to 84.70): VU032516.D (-1194) (-)



#30

1,1,1-Trichloroethane

Concen: 49.834 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

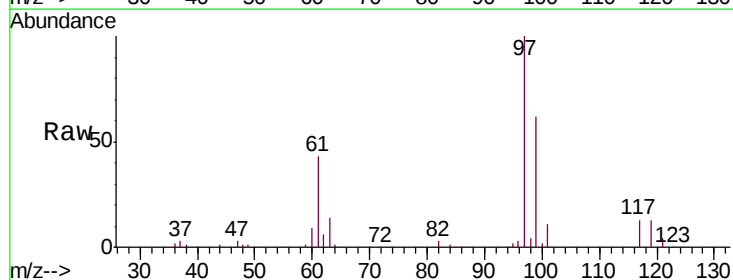
Tgt Ion: 97 Resp: 114642

Ion Ratio Lower Upper

97 100

99 63.4 50.5 75.7

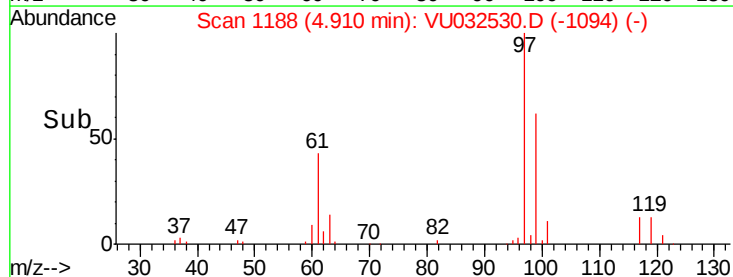
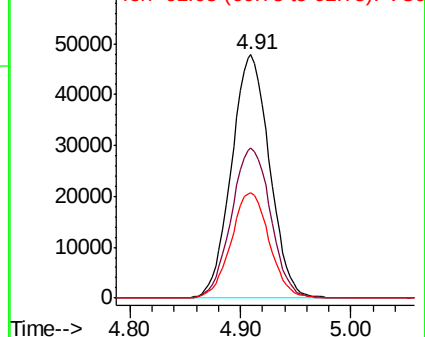
61 43.5 33.8 50.6

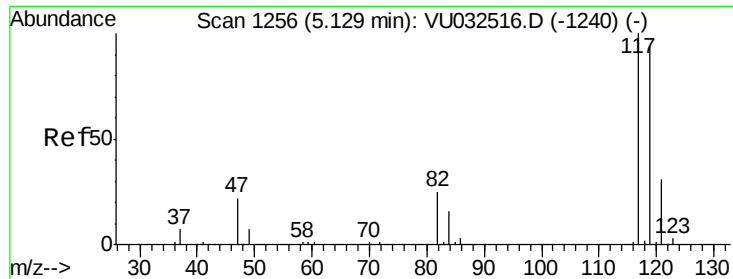


Abundance Ion 97.00 (96.70 to 97.70): VU032516.D (-1170) (-)

Ion 99.00 (98.70 to 99.70): VU032516.D (-1170) (-)

Ion 61.05 (60.75 to 61.75): VU032516.D (-1170) (-)





#31

Carbon tetrachloride

Concen: 49.262 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

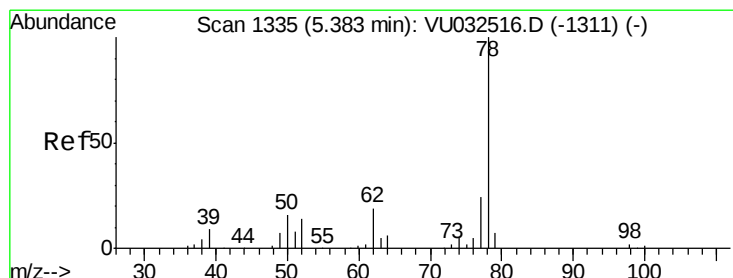
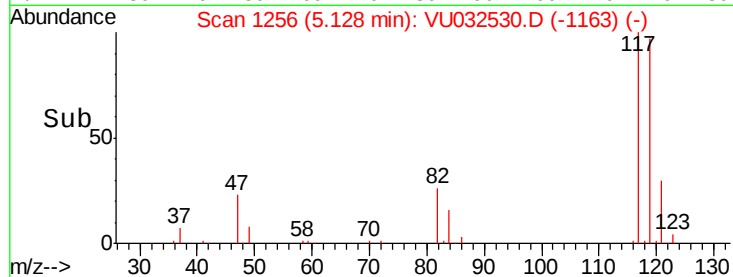
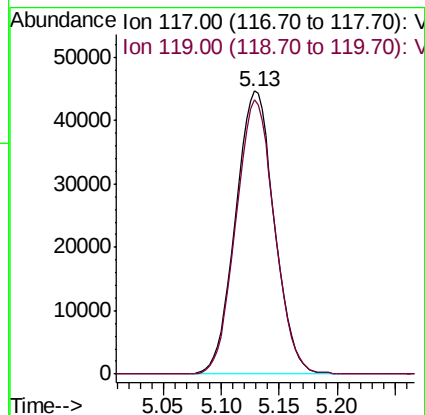
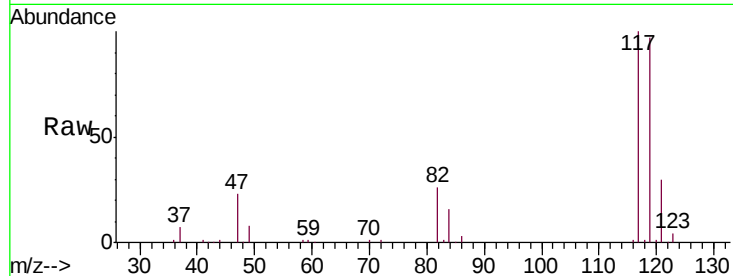
VSTD05036

Tgt Ion:117 Resp: 103867

Ion Ratio Lower Upper

117 100

119 96.4 76.6 114.8



#33

Benzene

Concen: 49.294 ug/L

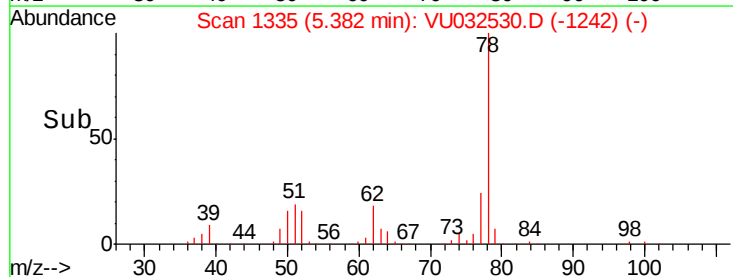
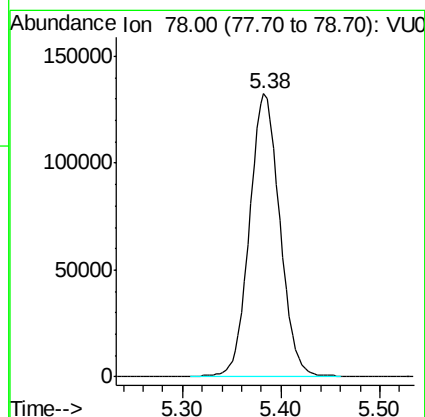
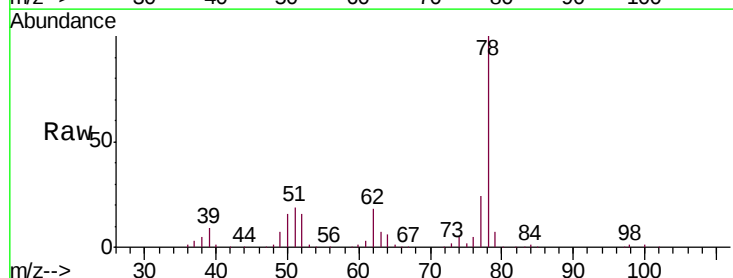
RT: 5.38 min Scan# 1335

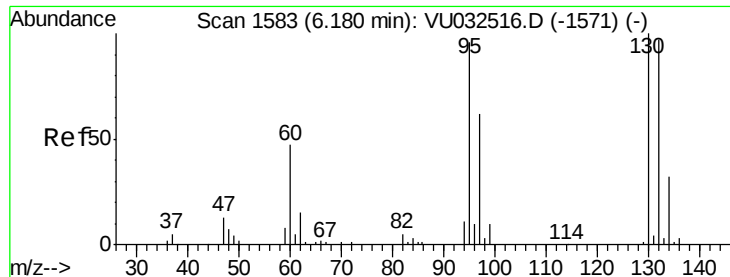
Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Tgt Ion: 78 Resp: 281454





#34

Trichloroethene

Concen: 48.542 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

Tgt Ion: 95 Resp: 75405

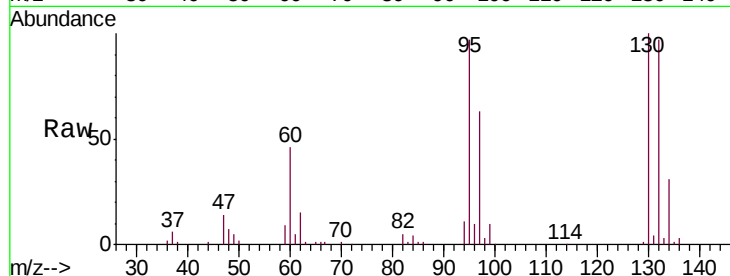
Ion Ratio Lower Upper

95 100

97 65.2 45.8 85.2

132 99.8 71.0 131.8

130 103.1 73.4 136.2

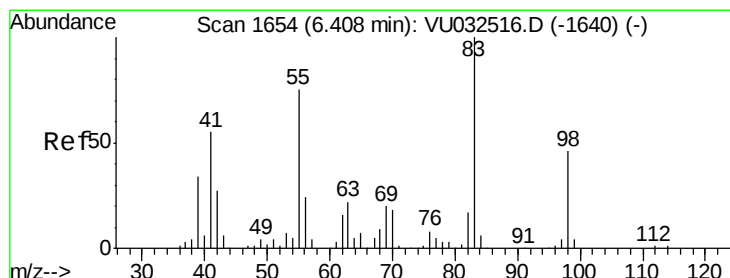
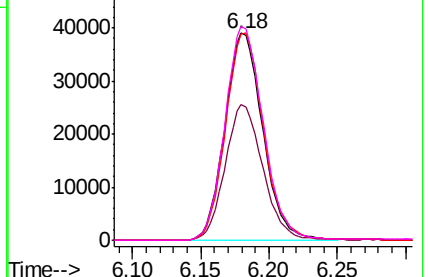
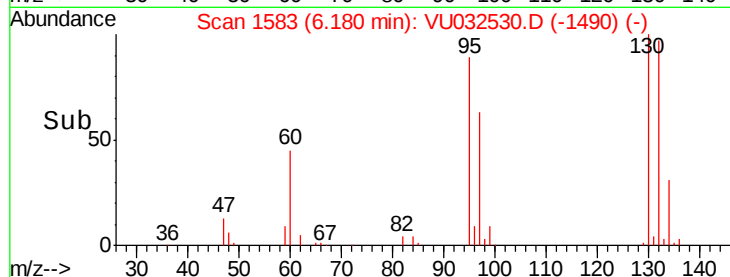


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.097 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

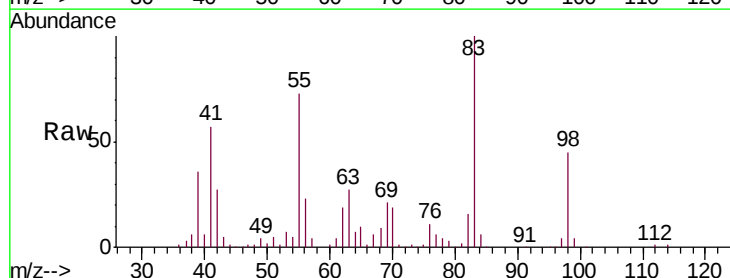
Tgt Ion: 83 Resp: 128498

Ion Ratio Lower Upper

83 100

55 73.5 60.2 90.4

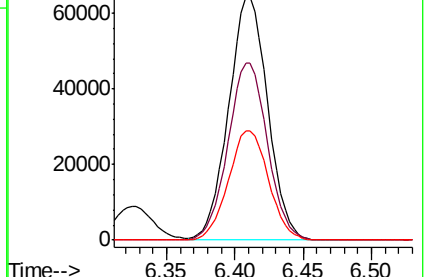
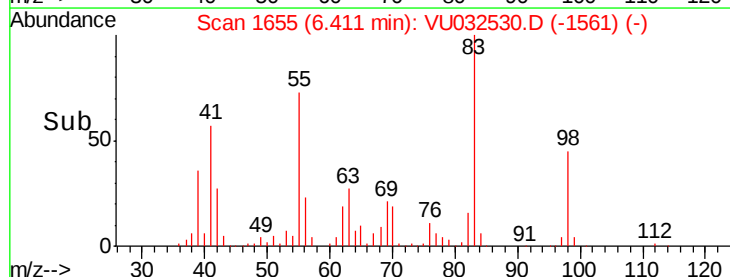
98 46.0 37.4 56.2

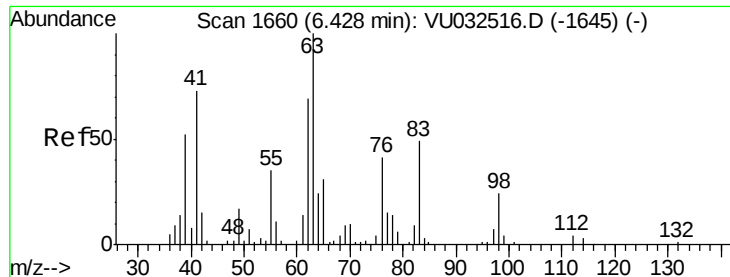


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

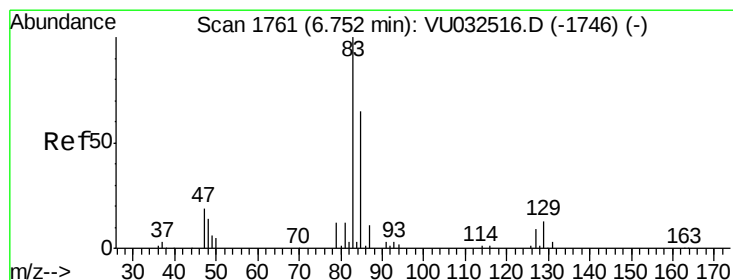
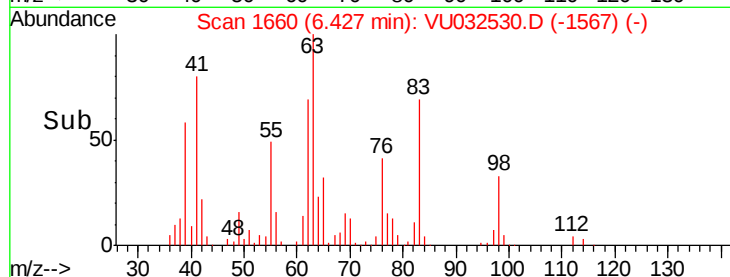
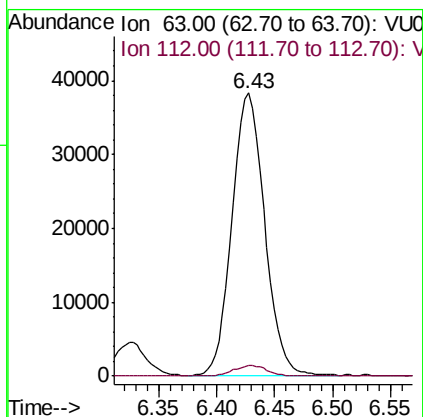
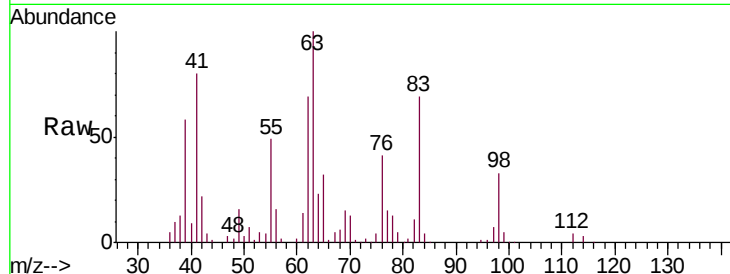




#37
 1,2-Dichloropropane
 Concen: 49.306 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

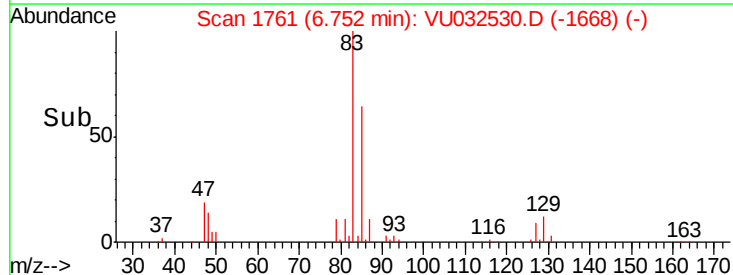
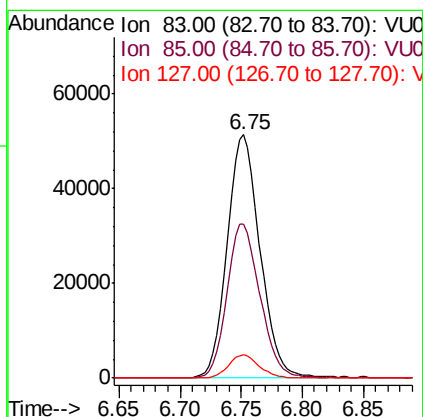
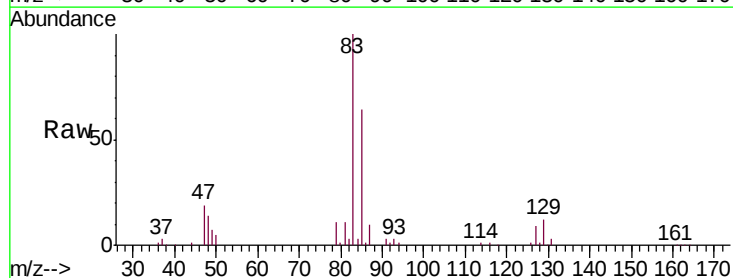
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

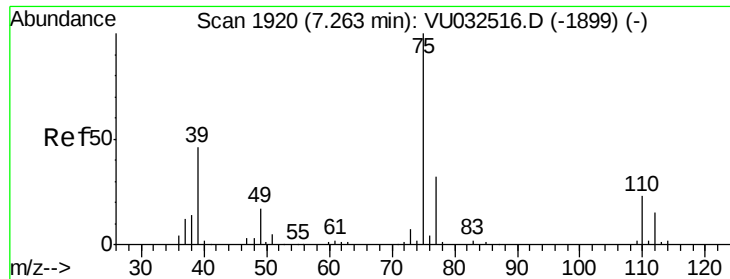
Tgt Ion: 63 Resp: 74628
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.683 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

Tgt Ion: 83 Resp: 96828
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.4 84.4
 127 9.4 7.4 11.2

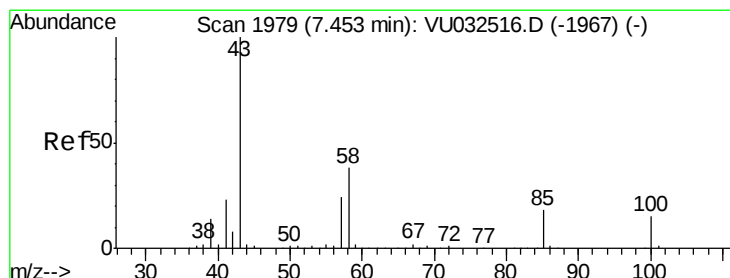
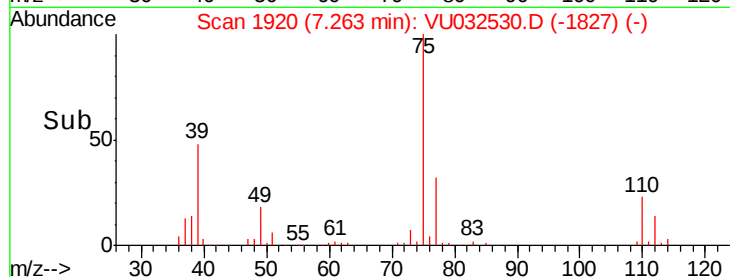
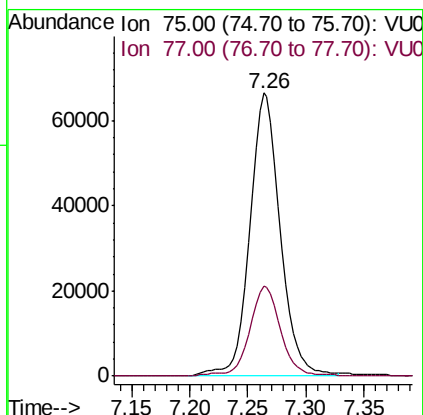
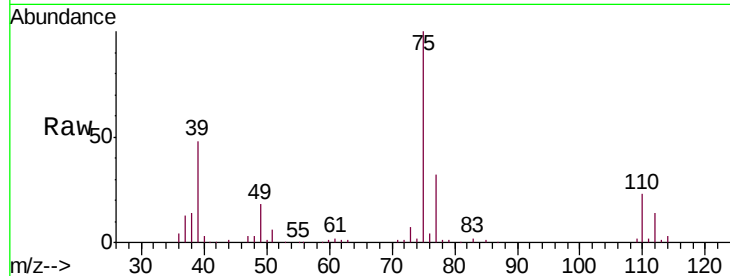




#39
 cis-1,3-Dichloropropene
 Concen: 51.197 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

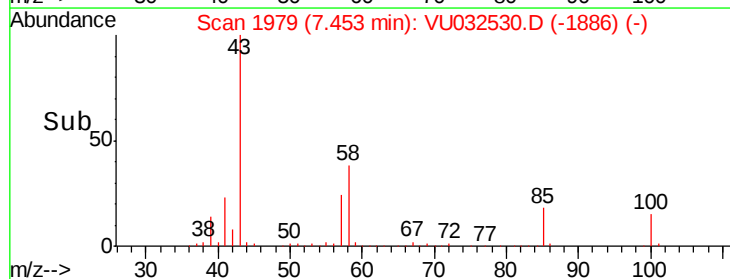
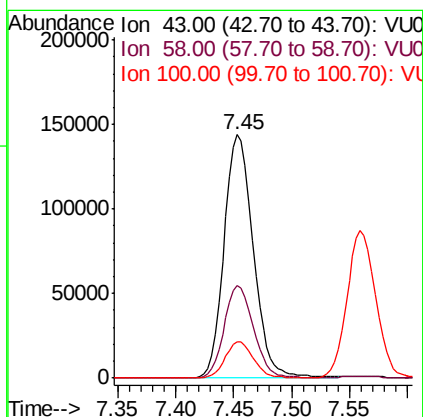
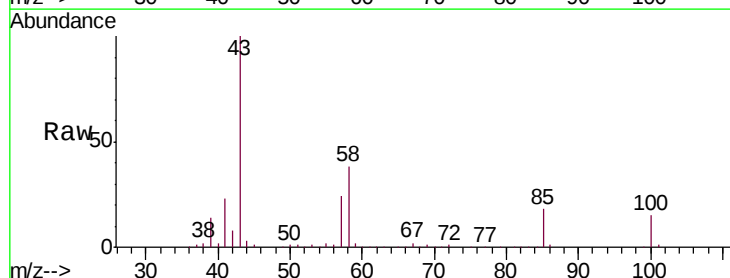
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

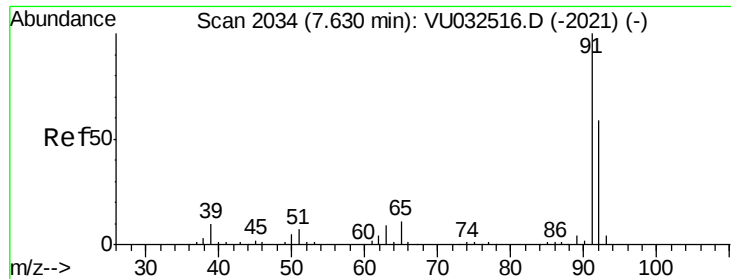
Tgt Ion: 75 Resp: 122263
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 103.803 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

Tgt Ion: 43 Resp: 252758
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.8 46.2
 100 14.5 12.1 18.1





#42

Toluene

Concen: 49.385 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

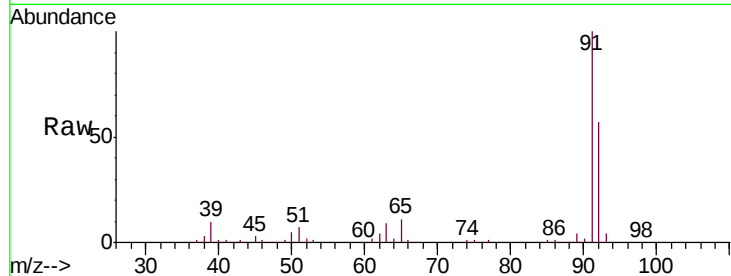
VSTD05036

Tgt Ion: 91 Resp: 308811

Ion Ratio Lower Upper

91 100

92 57.2 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032516.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032516.D (-2021) (-)

7.63

200000

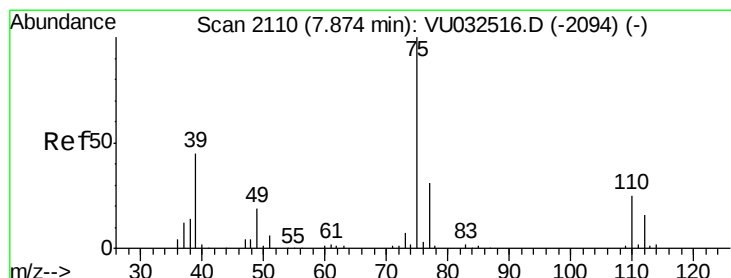
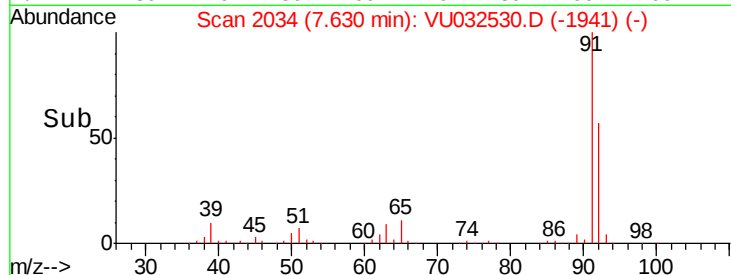
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.374 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032530.D

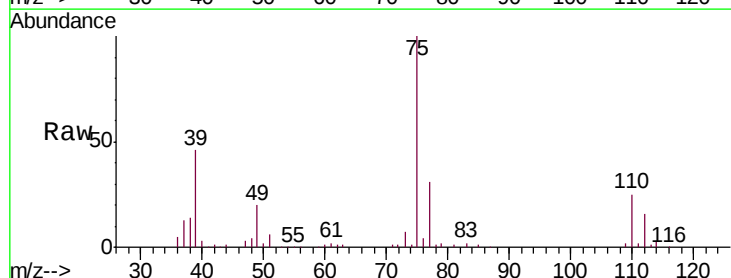
Acq: 07 Jun 2019 09:56

Tgt Ion: 75 Resp: 108893

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032516.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032516.D (-2094) (-)

7.87

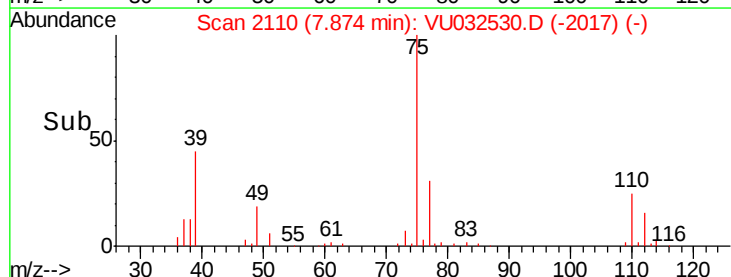
60000

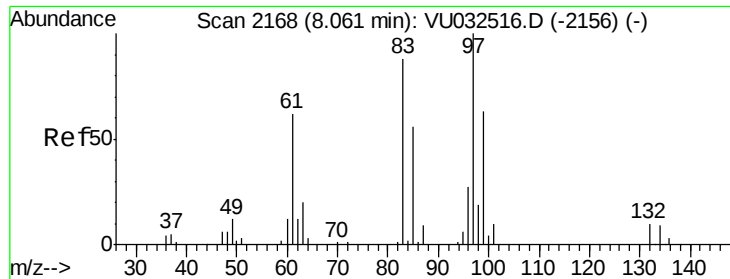
40000

20000

0

Time-->

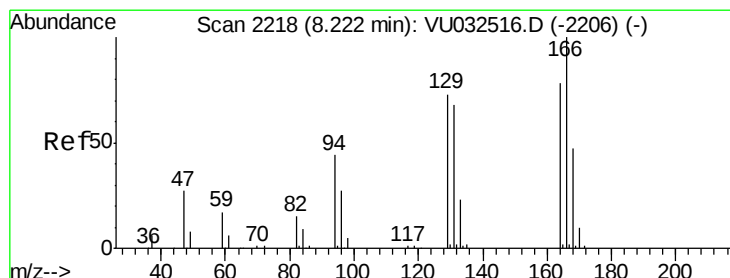
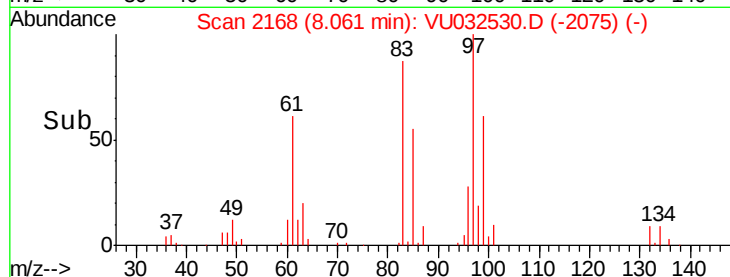
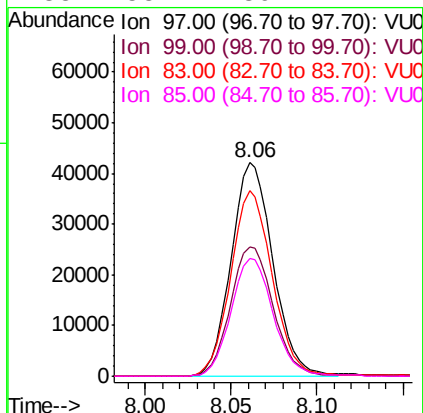
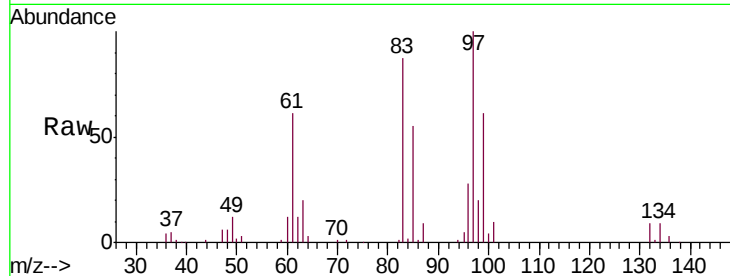




#45
 1,1,2-Trichloroethane
 Concen: 50.034 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

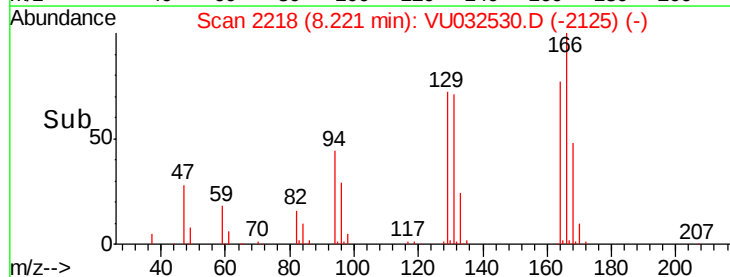
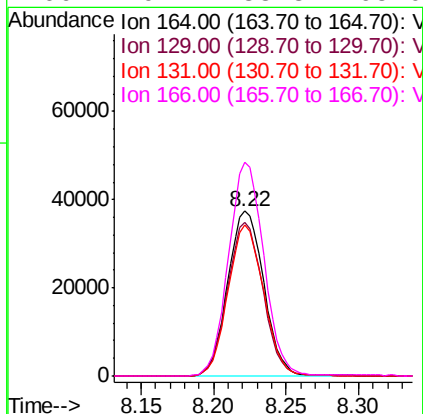
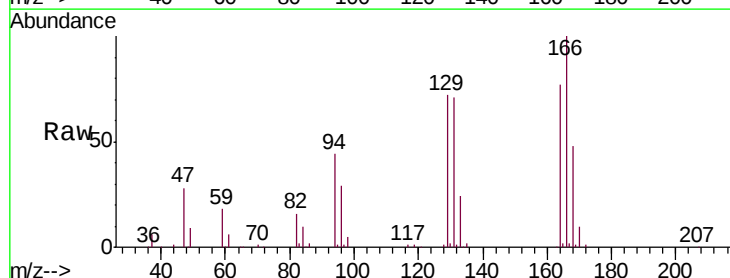
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

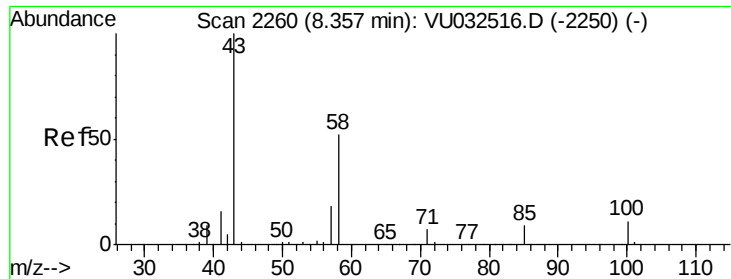
Tgt Ion:	97	Resp:	71613
Ion	Ratio	Lower	Upper
97	100		
99	60.8	44.1	81.9
83	86.6	59.4	110.2
85	55.4	39.1	72.7



#46
 Tetrachloroethene
 Concen: 50.506 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

Tgt Ion:	164	Resp:	64798
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.3	121.3
131	91.7	64.0	119.0
166	129.4	88.8	165.0

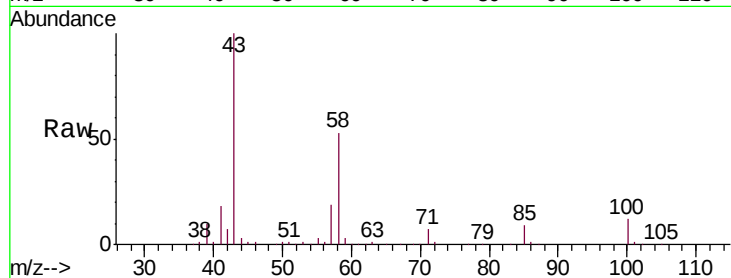




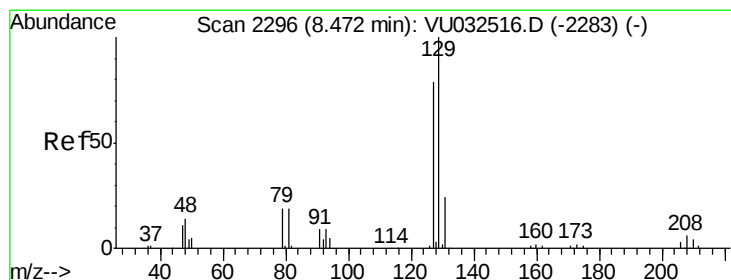
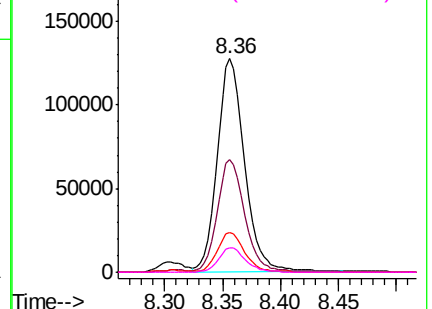
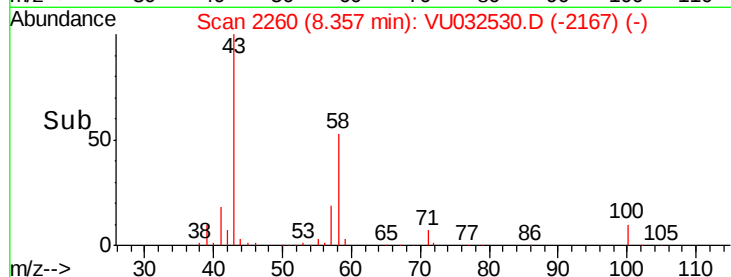
#48
2-Hexanone
Concen: 104.735 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

Tgt Ion: 43 Resp: 209467
Ion Ratio Lower Upper
43 100
58 51.7 42.0 63.0
57 19.1 14.6 22.0
100 11.6 9.2 13.8

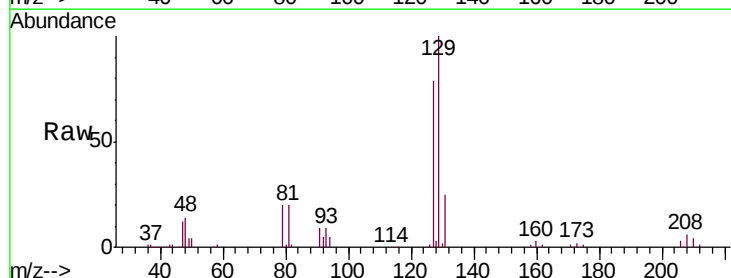


Abundance Ion 43.00 (42.70 to 43.70): VU032530.D (-2167) (-)
Ion 58.00 (57.70 to 58.70): VU032530.D (-2167) (-)
Ion 57.00 (56.70 to 57.70): VU032530.D (-2167) (-)
Ion 100.00 (99.70 to 100.70): VU032530.D (-2167) (-)

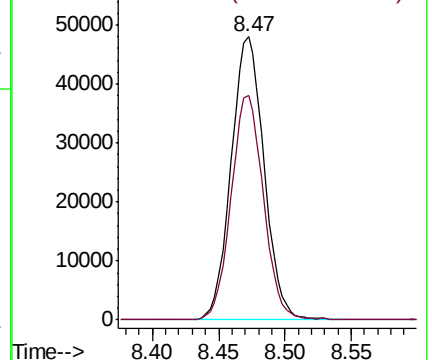
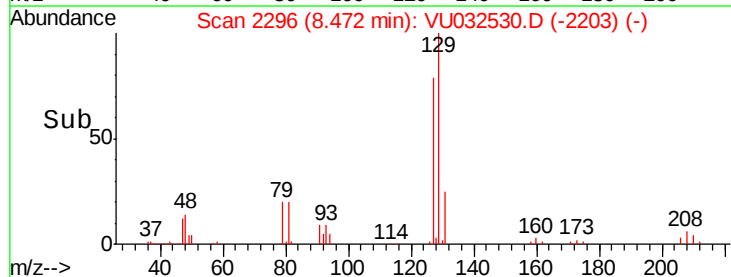


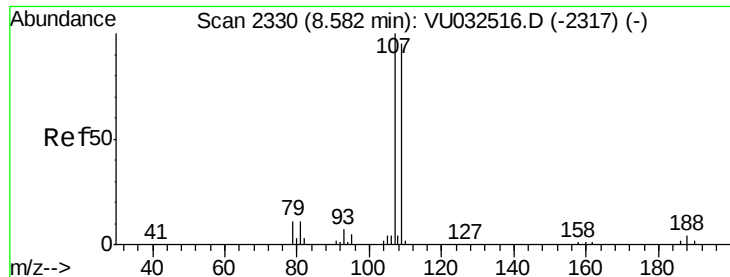
#49
Dibromochloromethane
Concen: 49.749 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

Tgt Ion: 129 Resp: 82765
Ion Ratio Lower Upper
129 100
127 79.3 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VU032530.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU032530.D (-2203) (-)

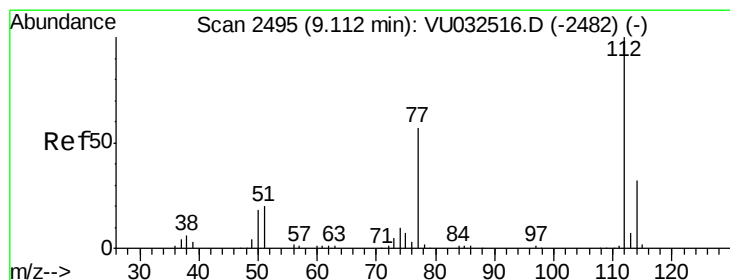
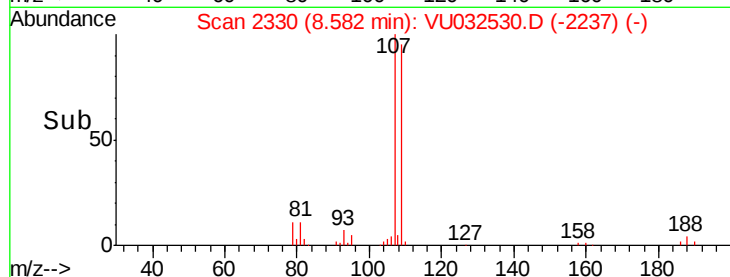
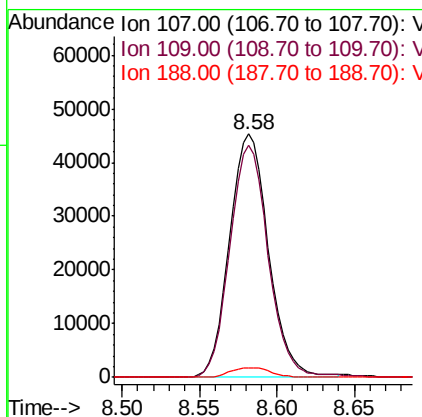
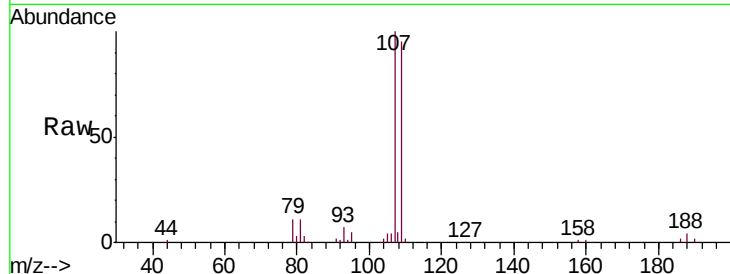




#50
1,2-Dibromoethane
Concen: 49.190 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

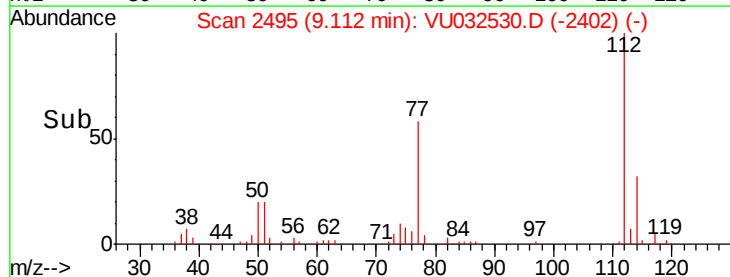
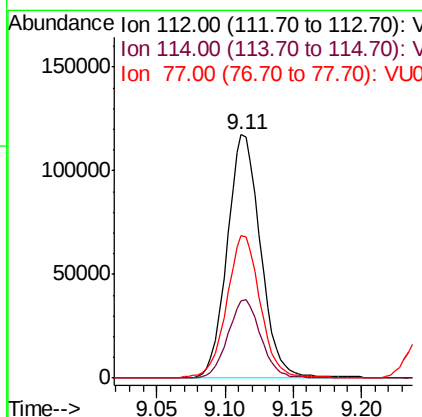
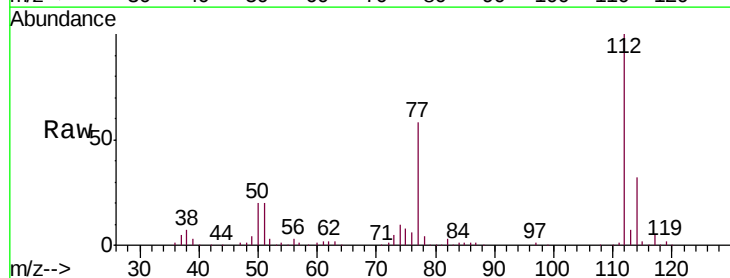
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

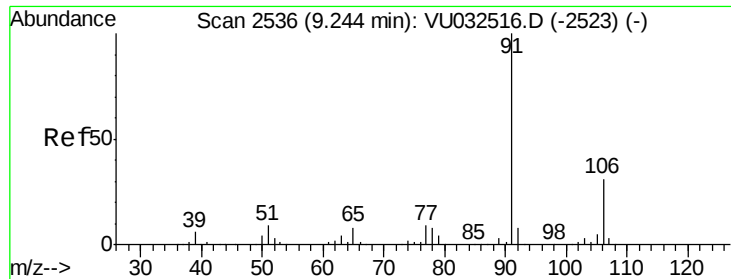
Tgt Ion:107 Resp: 79247
Ion Ratio Lower Upper
107 100
109 95.4 66.8 124.0
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 49.537 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

Tgt Ion:112 Resp: 199568
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 58.4 46.1 69.1

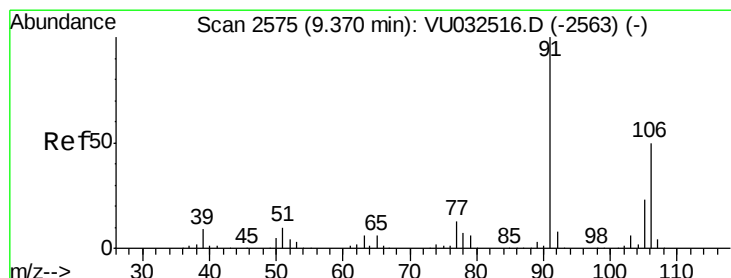
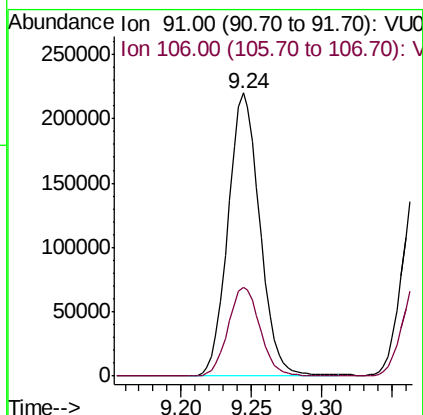
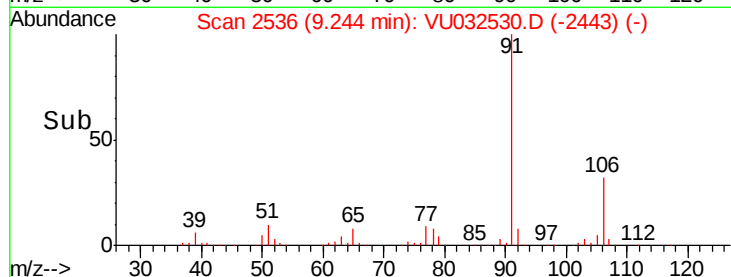
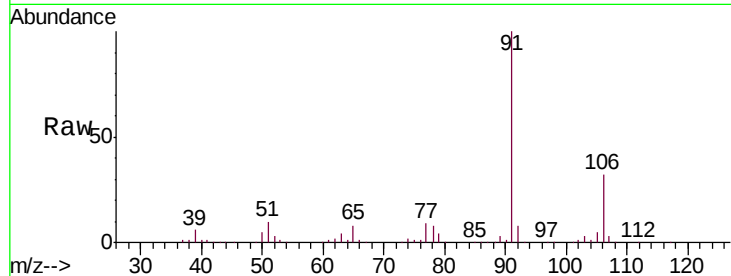




#52
Ethylbenzene
Concen: 49.835 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

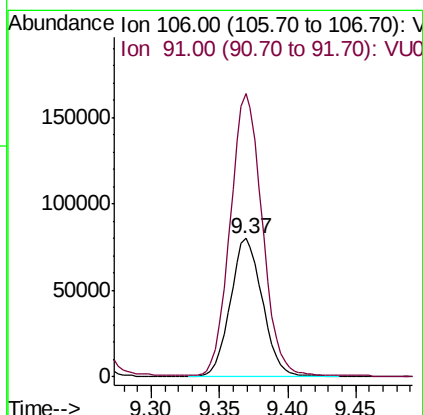
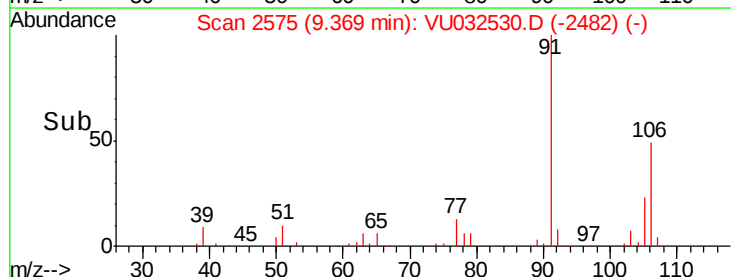
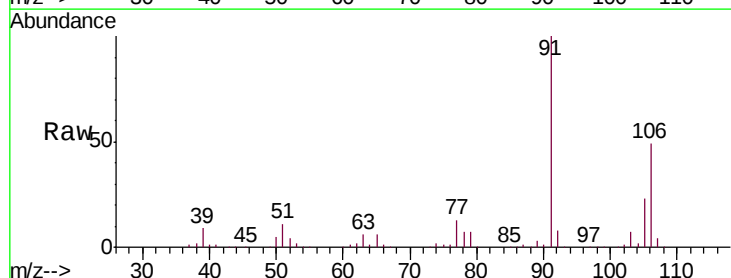
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

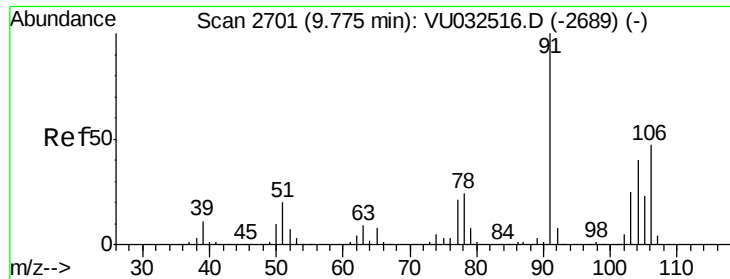
Tgt Ion: 91 Resp: 347354
Ion Ratio Lower Upper
91 100
106 31.6 22.0 41.0



#53
m,p-Xylene
Concen: 49.045 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU032530.D
Acq: 07 Jun 2019 09:56

Tgt Ion: 106 Resp: 129988
Ion Ratio Lower Upper
106 100
91 204.5 141.7 263.1





#54

o-xylene

Concen: 49.762 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

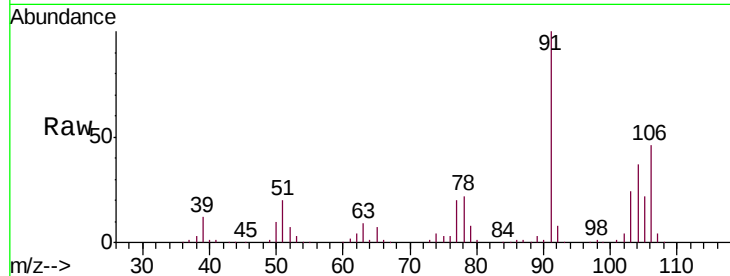
VSTD05036

Tgt Ion:106 Resp: 130949

Ion Ratio Lower Upper

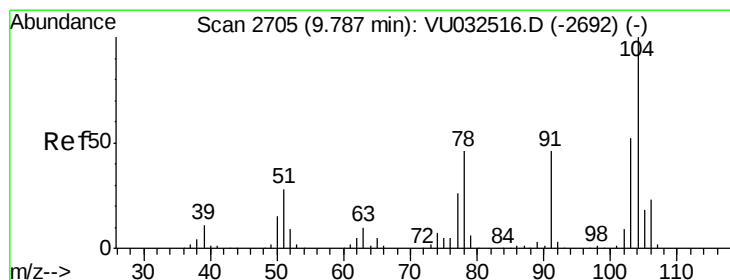
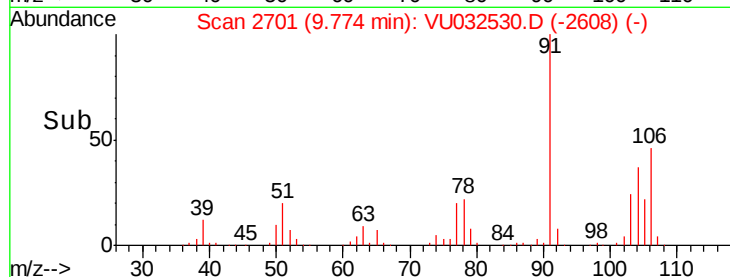
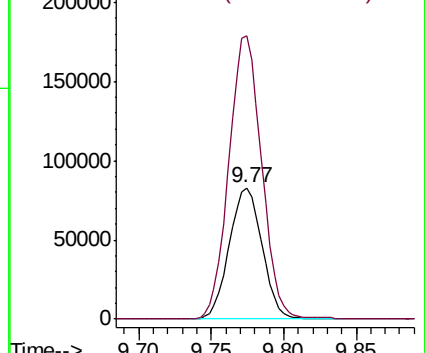
106 100

91 215.7 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.495 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032530.D

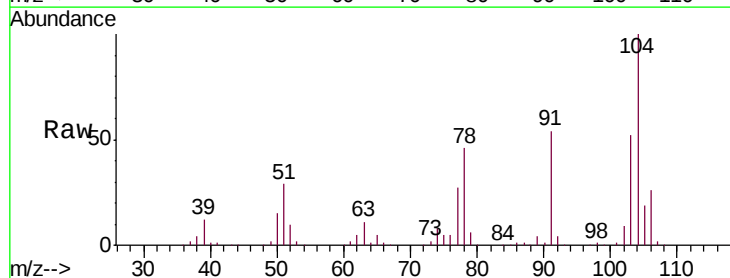
Acq: 07 Jun 2019 09:56

Tgt Ion:104 Resp: 221833

Ion Ratio Lower Upper

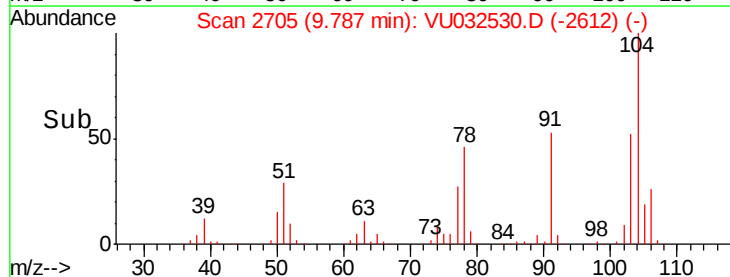
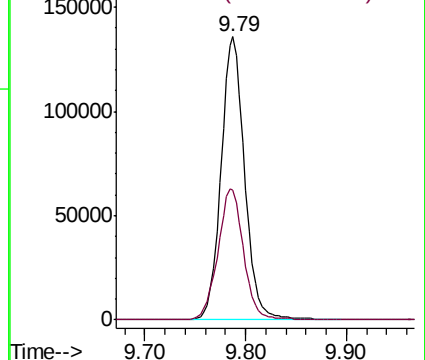
104 100

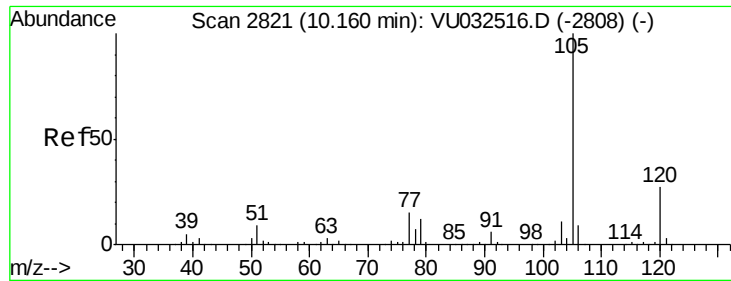
78 45.6 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.067 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

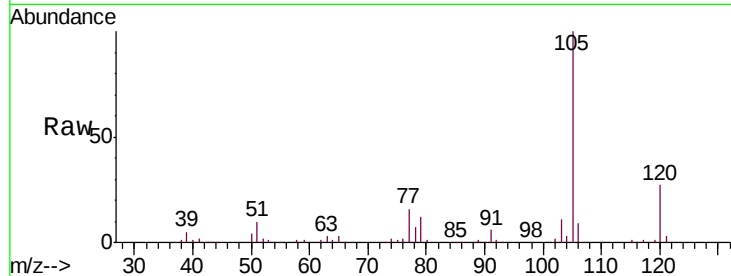
Tgt Ion: 105 Resp: 347417

Ion Ratio Lower Upper

105 100

120 26.5 21.6 32.4

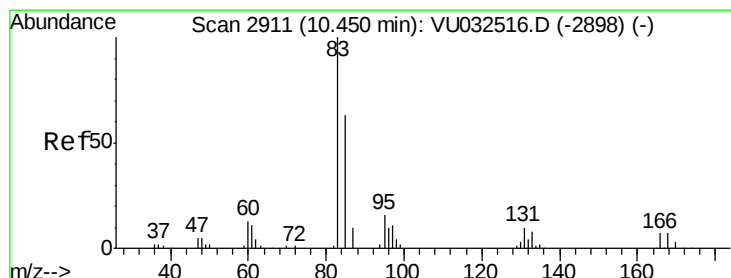
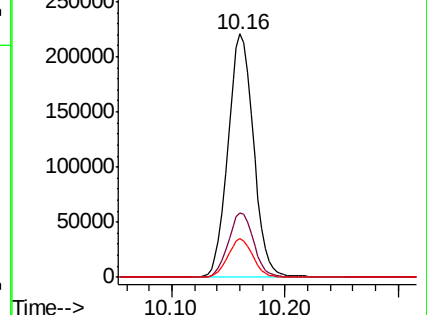
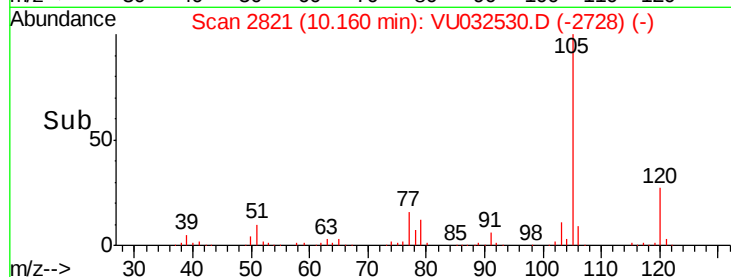
77 15.6 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.095 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

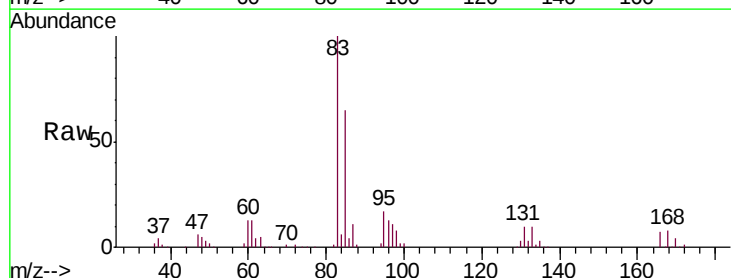
Tgt Ion: 83 Resp: 122546

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

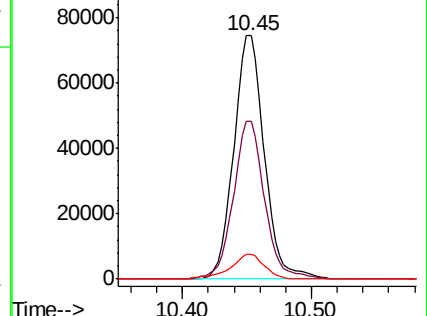
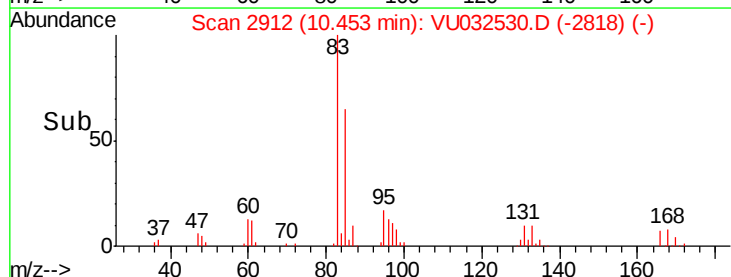
131 10.3 7.9 11.9

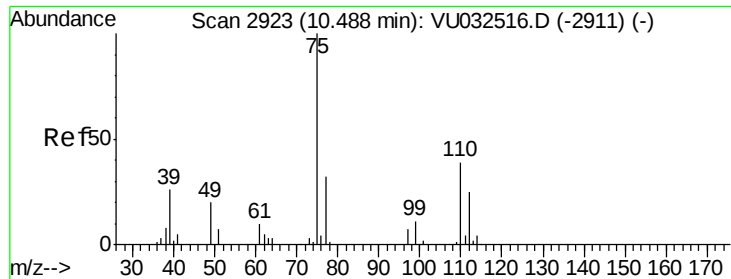


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.527 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

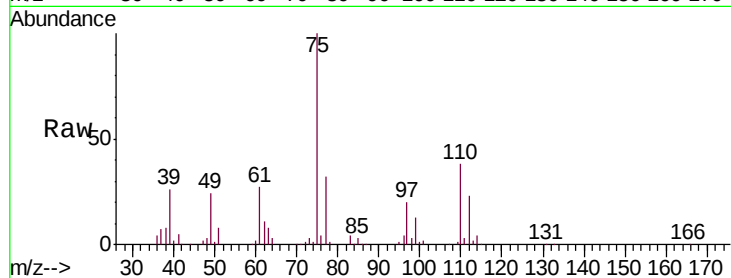
VSTD05036

Tgt Ion: 75 Resp: 99416

Ion Ratio Lower Upper

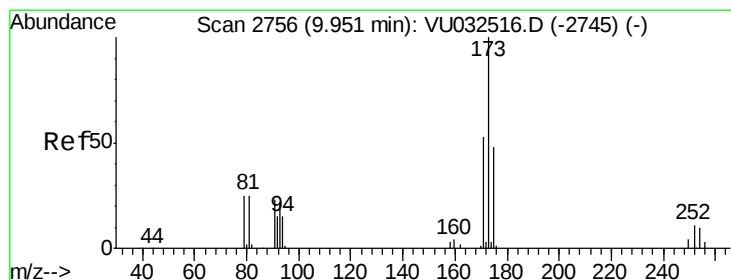
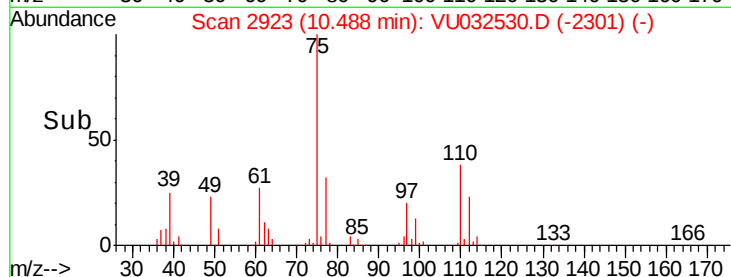
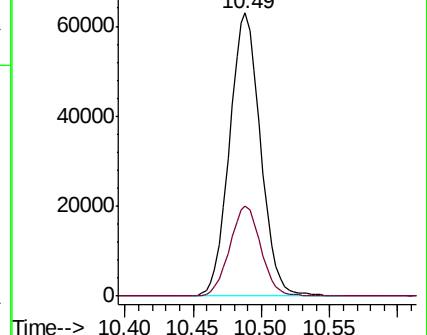
75 100

77 32.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU032516.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU032516.D (-2911) (-)



#61

Bromoform

Concen: 49.722 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU032530.D

Acq: 07 Jun 2019 09:56

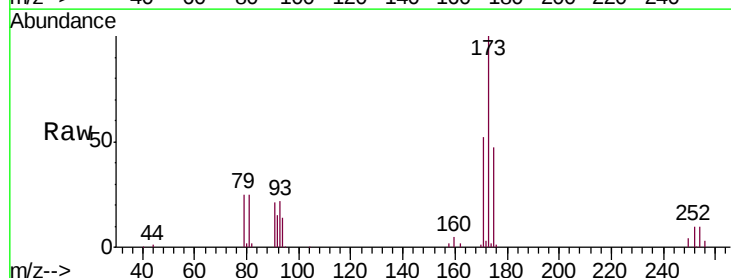
Tgt Ion: 173 Resp: 64980

Ion Ratio Lower Upper

173 100

175 48.0 39.7 59.5

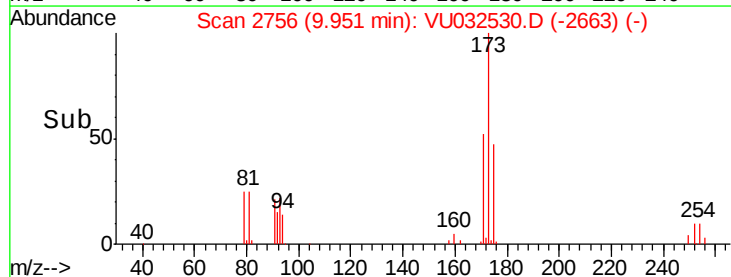
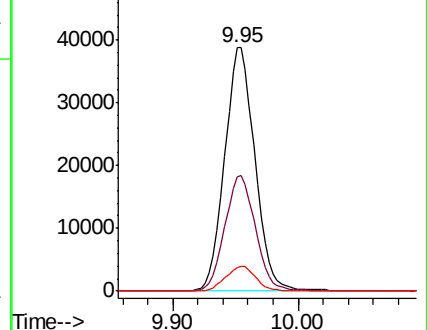
254 10.2 7.8 11.8

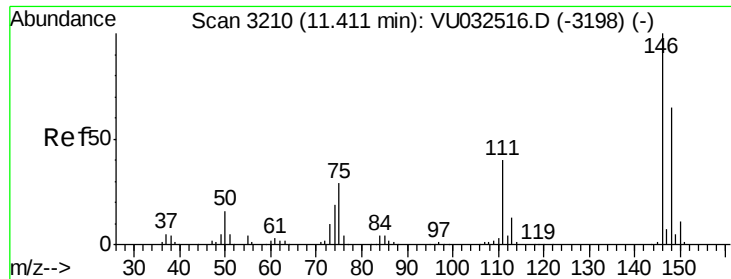


Abundance Ion 173.00 (172.70 to 173.70): VU032516.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU032516.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU032516.D (-2745) (-)

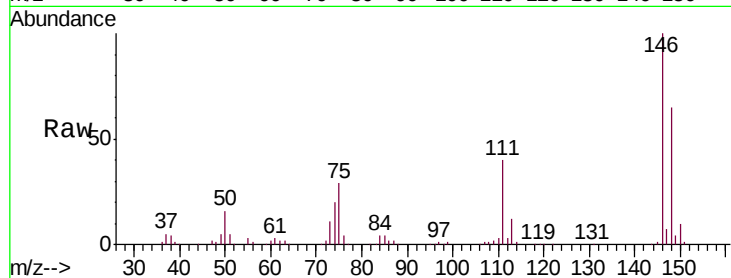




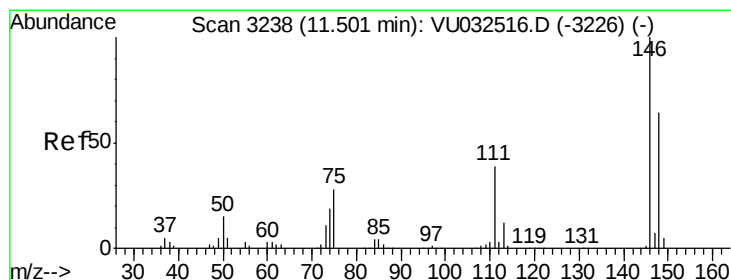
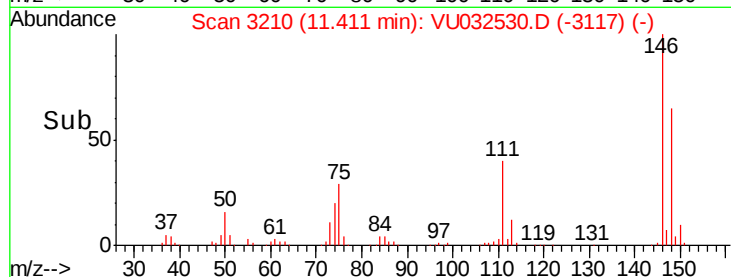
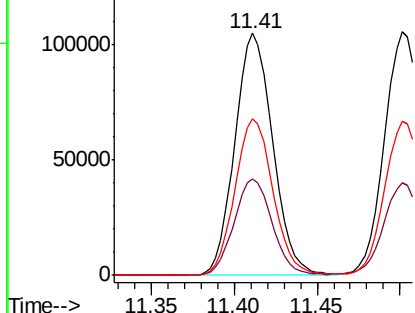
#62
 1,3-Dichlorobenzene
 Concen: 50.464 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Tgt Ion:146 Resp: 167350
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.3 50.7
 148 64.8 44.4 82.5

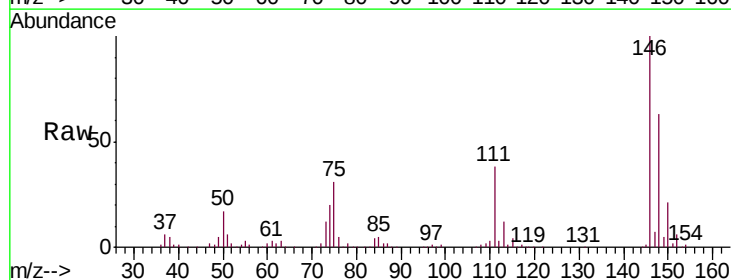


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 50.059 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU032530.D
 Acq: 07 Jun 2019 09:56

Tgt Ion:146 Resp: 169718
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.6 49.4
 148 63.2 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

