

Data File : VU032516.D
Acq On : 06 Jun 2019 23:04
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Jun 07 05:54:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 05:48:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194263	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57361	42.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.62%
7) Chloroethane-d5	1.67	69	48521	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.12%
11) 1,1-Dichloroethene-d2	2.27	63	117957	44.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.92%
21) 2-Butanone-d5	4.17	46	118503	105.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.68%
24) Chloroform-d	4.64	84	119847	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	5.30	65	76723	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
32) Benzene-d6	5.33	84	238309	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
36) 1,2-Dichloropropane-d6	6.32	67	75764	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.82%
41) Toluene-d8	7.56	98	224938	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%
43) trans-1,3-Dichloropropene-	7.85	79	36186	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.64%
47) 2-Hexanone-d5	8.31	63	79781	104.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.01%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	114756	50.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	97239	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	91114	48.938	ug/L 100
3) Chloromethane	1.32	50	86293	47.966	ug/L 99
5) Vinyl chloride	1.40	62	86223	47.978	ug/L 99
6) Bromomethane	1.62	94	49122	45.867	ug/L 97
8) Chloroethane	1.69	64	48977	45.849	ug/L 100
9) Trichlorofluoromethane	1.88	101	117460	48.403	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	61363	48.621	ug/L 97
12) 1,1-Dichloroethene	2.28	96	60145	49.081	ug/L 88
13) Acetone	2.32	43	84162	72.744	ug/L 99
14) Carbon disulfide	2.47	76	179069	48.093	ug/L 99
15) Methyl Acetate	2.61	43	83473	50.532	ug/L 98
16) Methylene chloride	2.69	84	68718	49.145	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	64538	48.600	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	213957	49.043	ug/L 99
19) 1,1-Dichloroethane	3.44	63	120432	49.748	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	73077	48.625	ug/L 95
22) 2-Butanone	4.25	43	126326	92.384	ug/L 100

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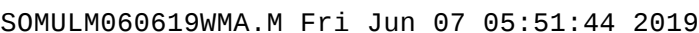
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

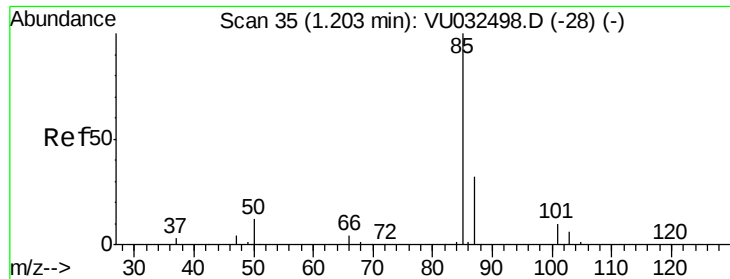
Quant Time: Jun 07 05:54:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 05:48:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38567	49.355	ug/L	97
25) Chloroform	4.67	83	123779	49.548	ug/L	98
27) 1,2-Dichloroethane	5.40	62	99429	50.347	ug/L	100
29) Cyclohexane	4.99	56	111444	48.231	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	108578	49.373	ug/L	98
31) Carbon tetrachloride	5.13	117	99452	49.342	ug/L	99
33) Benzene	5.38	78	269492	49.374	ug/L	100
34) Trichloroethene	6.18	95	72015	48.496	ug/L	99
35) Methylcyclohexane	6.41	83	115271	47.950	ug/L	99
37) 1,2-Dichloropropane	6.43	63	71610	49.493	ug/L	99
38) Bromodichloromethane	6.75	83	92057	49.412	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	114121	49.990	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	240332	103.249	ug/L	99
42) Toluene	7.63	91	295937	49.508	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	100493	49.596	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	68907	50.362	ug/L	98
46) Tetrachloroethene	8.22	164	60549	49.369	ug/L	98
48) 2-Hexanone	8.36	43	191766	100.304	ug/L	99
49) Dibromochloromethane	8.47	129	79944	50.268	ug/L	97
50) 1,2-Dibromoethane	8.58	107	76901	49.933	ug/L	99
51) Chlorobenzene	9.11	112	193413	50.222	ug/L	100
52) Ethylbenzene	9.24	91	330162	49.552	ug/L	99
53) m,p-Xylene	9.37	106	124670	49.206	ug/L	100
54) o-xylene	9.77	106	125496	49.888	ug/L	99
55) Styrene	9.79	104	213042	50.729	ug/L	99
56) Isopropylbenzene	10.16	105	330594	49.838	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	119903	51.274	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	96405	51.254	ug/L	100
61) Bromoform	9.95	173	62931	49.662	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	158359	49.248	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	158756	48.292	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	161918	49.806	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	28814	52.679	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	125997	50.363	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	115292	54.397	ug/L	99
69) Naphthalene	13.74	128	366579	54.834	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	118377	53.667	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 48.938 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

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MSVOA_U

ClientSampleId :

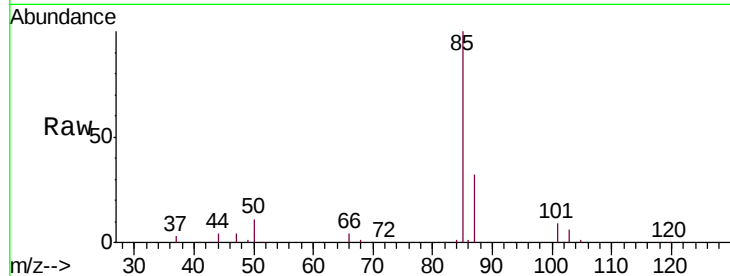
VSTD05034

Tgt Ion: 85 Resp: 91114

Ion Ratio Lower Upper

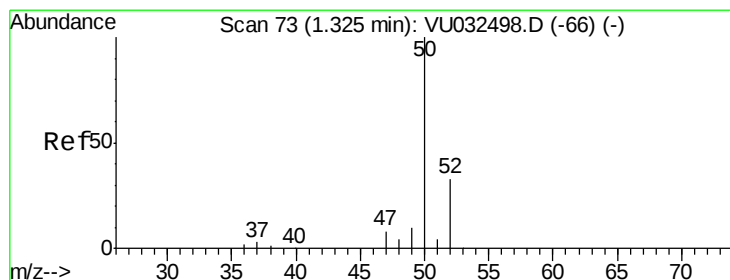
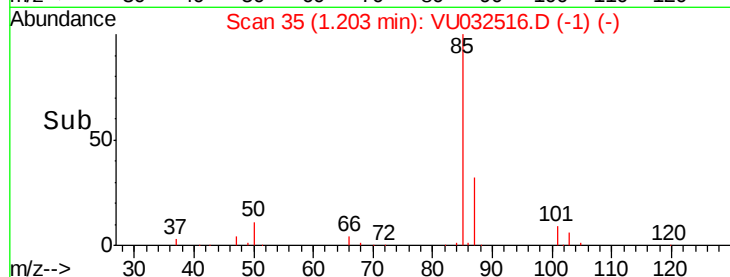
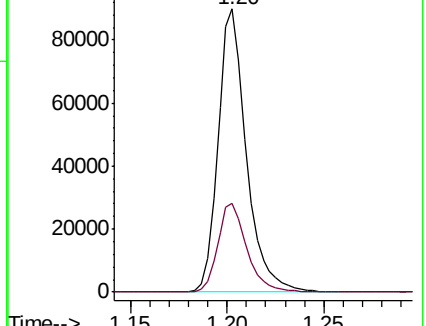
85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032516.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032516.D (-1) (-)



#3

Chloromethane

Concen: 47.966 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032516.D

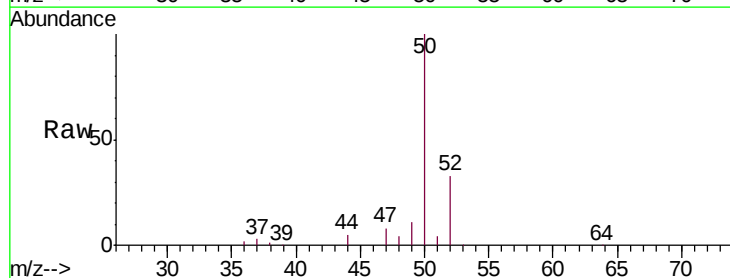
Acq: 06 Jun 2019 23:04

Tgt Ion: 50 Resp: 86293

Ion Ratio Lower Upper

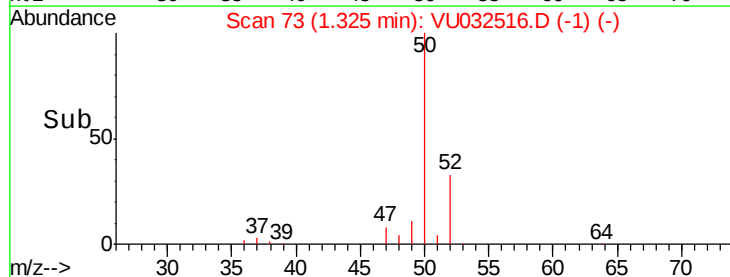
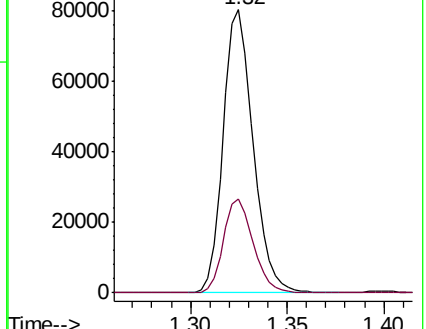
50 100

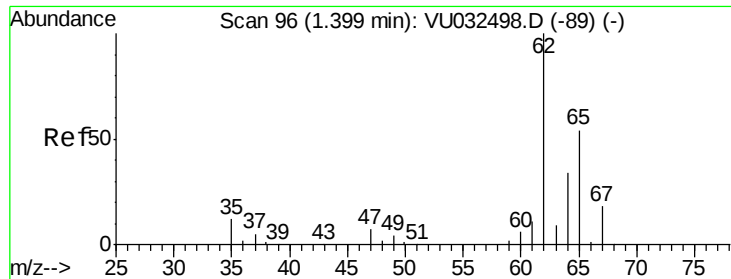
52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032516.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU032516.D (-1) (-)





#5

Vinyl chloride

Concen: 47.978 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

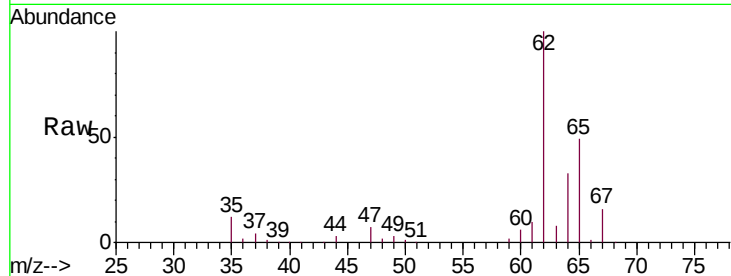
VSTD05034

Tgt Ion: 62 Resp: 86223

Ion Ratio Lower Upper

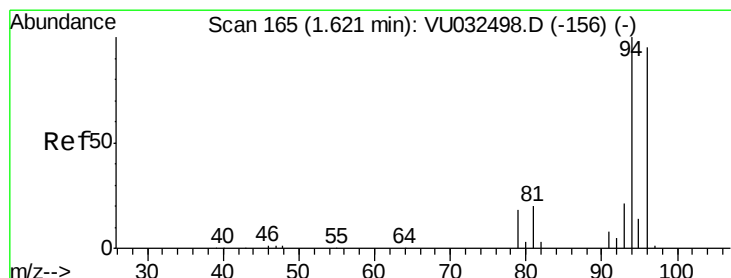
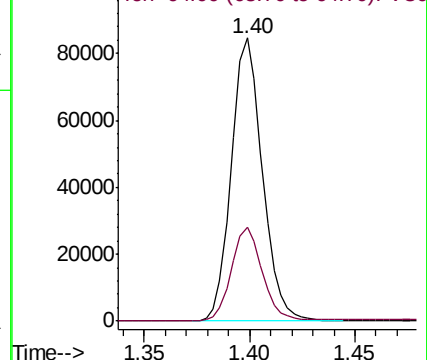
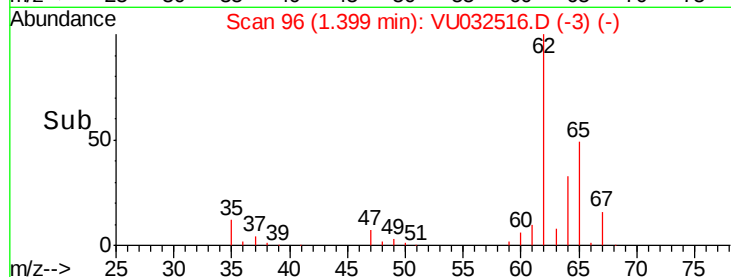
62 100

64 33.0 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032516.D (-3) (-)

Ion 64.00 (63.70 to 64.70): VU032516.D (-3) (-)



#6

Bromomethane

Concen: 45.867 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032516.D

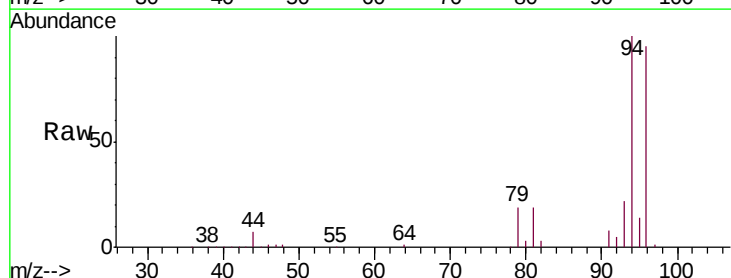
Acq: 06 Jun 2019 23:04

Tgt Ion: 94 Resp: 49122

Ion Ratio Lower Upper

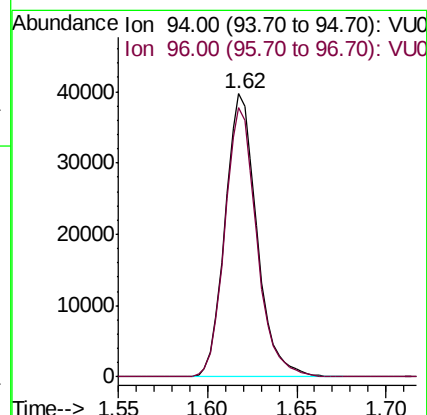
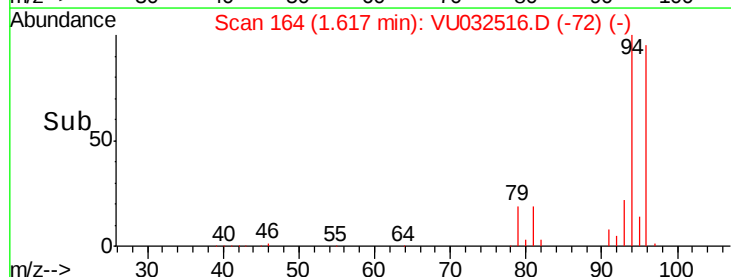
94 100

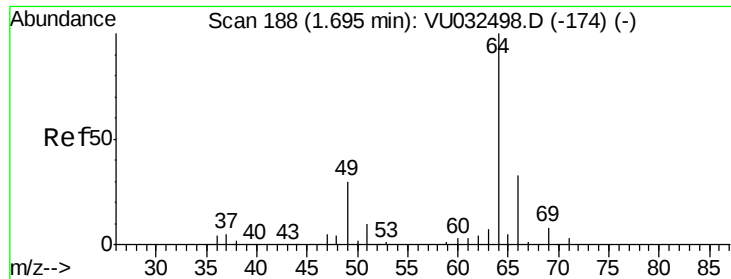
96 95.2 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032516.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU032516.D (-72) (-)

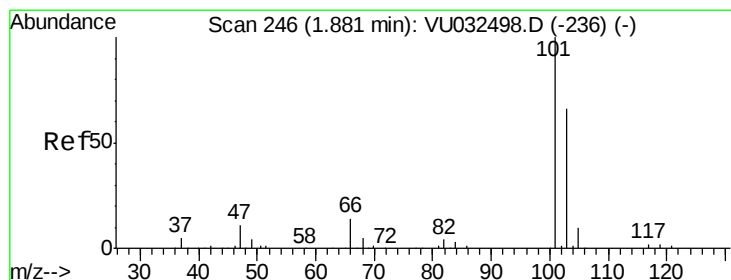
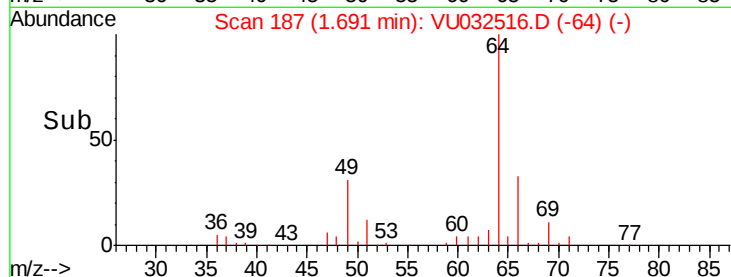
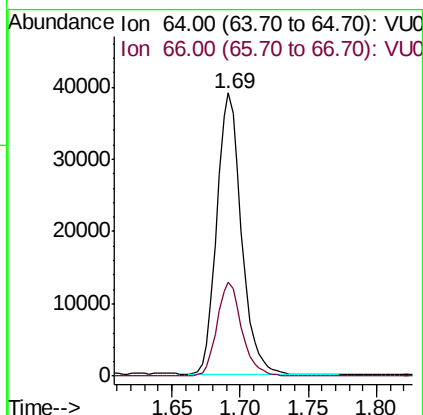
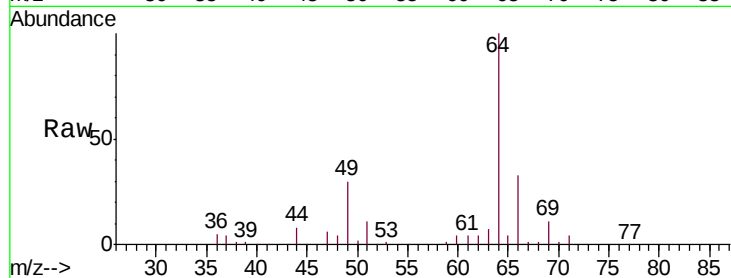




#8
Chloroethane
Concen: 45.849 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

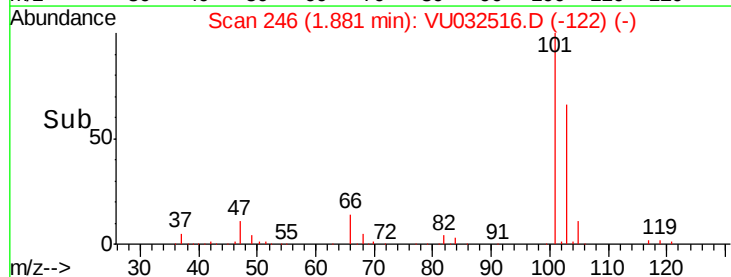
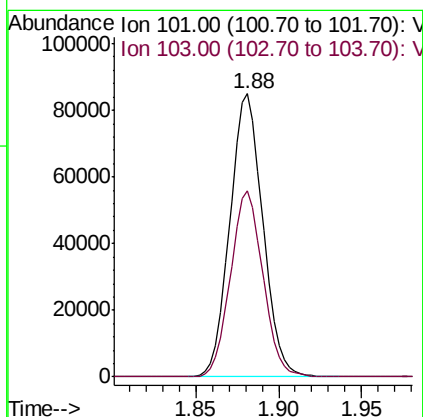
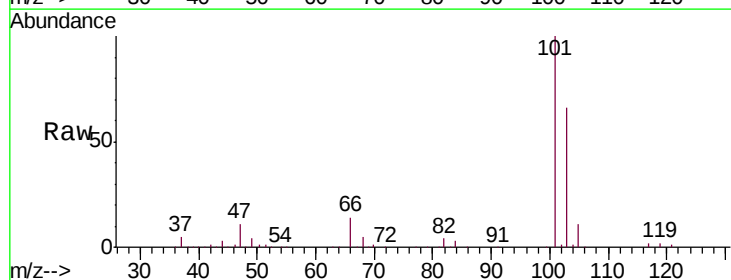
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

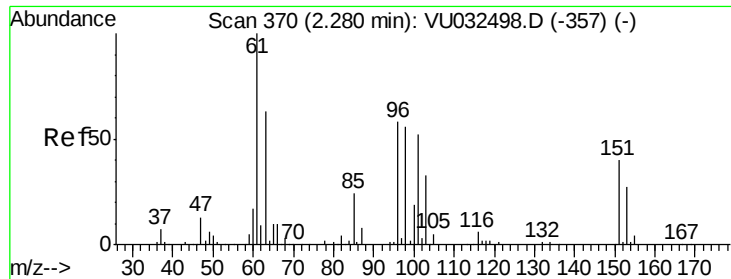
Tgt Ion: 64 Resp: 48977
Ion Ratio Lower Upper
64 100
66 33.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 48.403 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Tgt Ion: 101 Resp: 117460
Ion Ratio Lower Upper
101 100
103 64.7 52.5 78.7





#10

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

Concen: 48.621 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

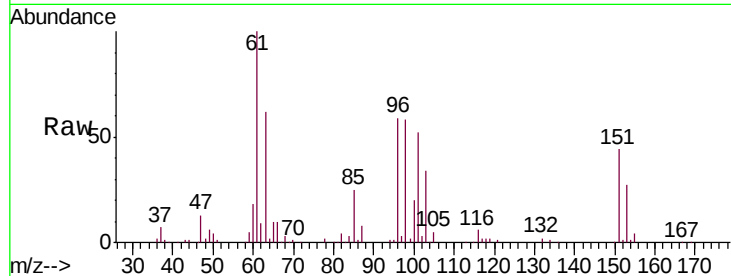
Tgt Ion:101 Resp: 61363

Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

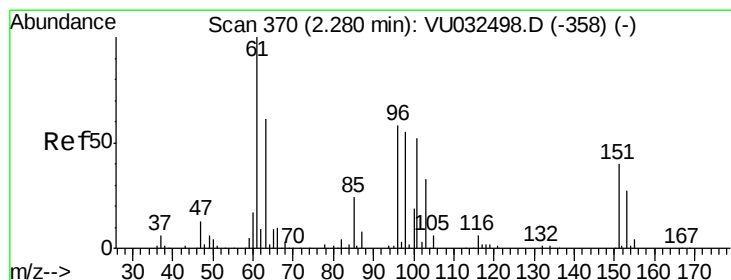
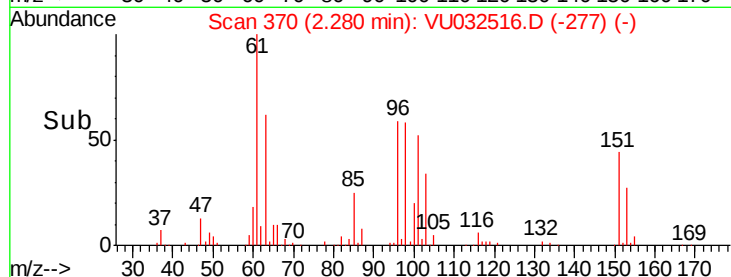
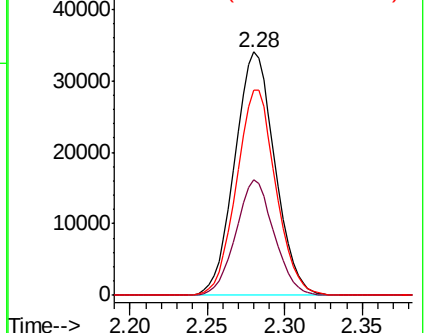
151 82.7 63.0 94.4



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: 49.081 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

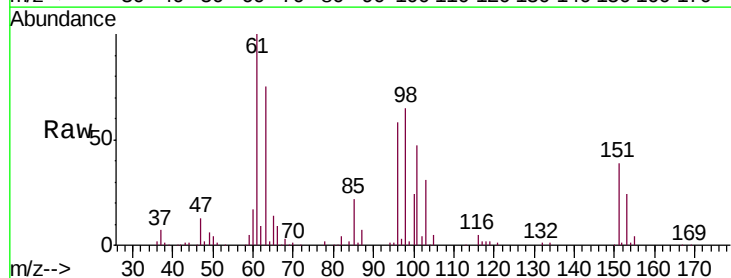
Tgt Ion: 96 Resp: 60145

Ion Ratio Lower Upper

96 100

61 171.5 129.5 240.5

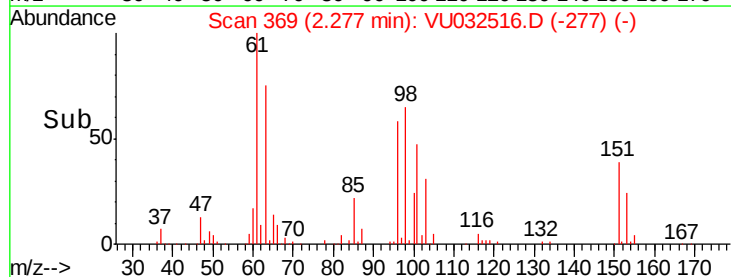
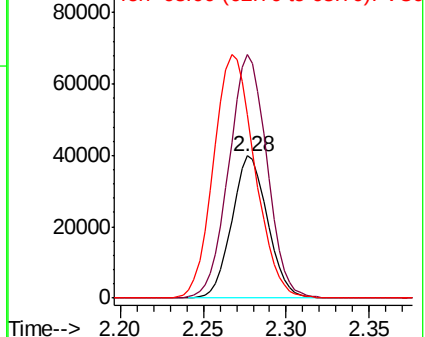
63 129.2 103.4 192.0

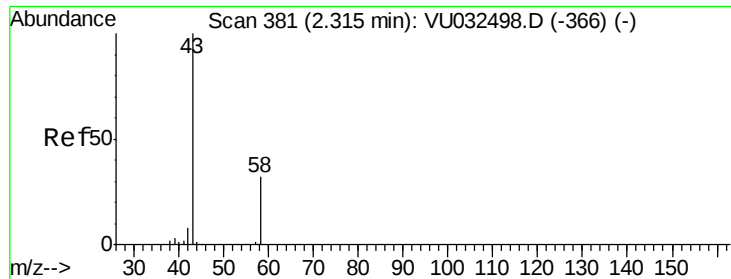


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 72.744 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

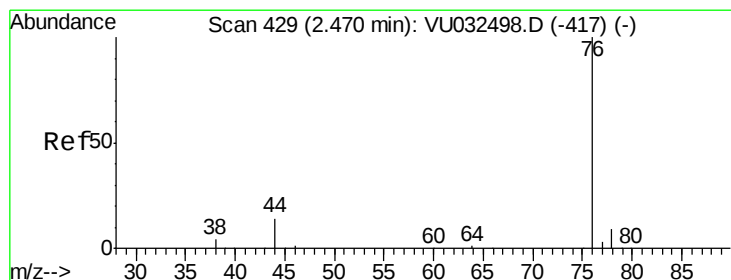
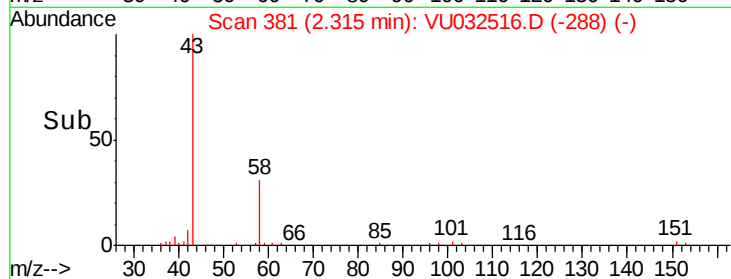
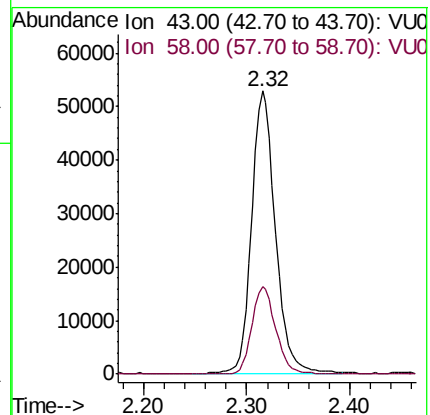
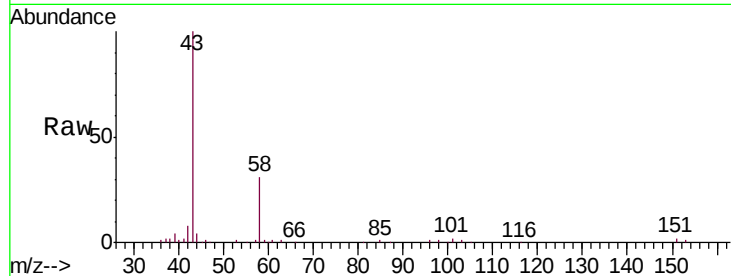
VSTD05034

Tgt Ion: 43 Resp: 84162

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.0



#14

Carbon disulfide

Concen: 48.093 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032516.D

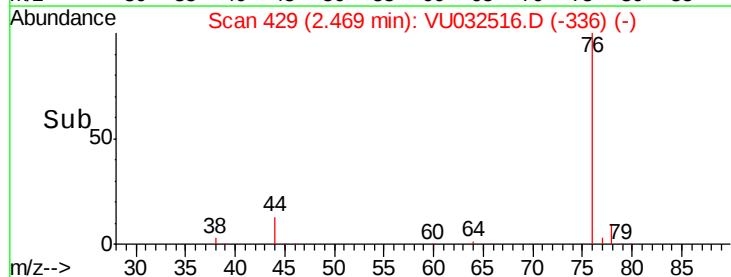
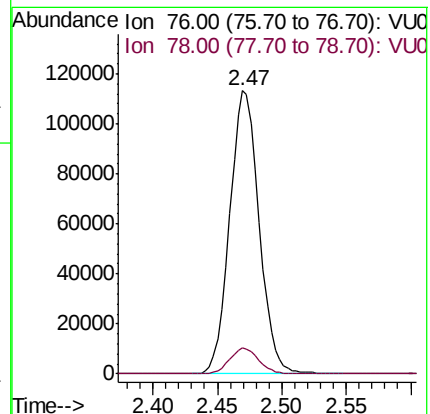
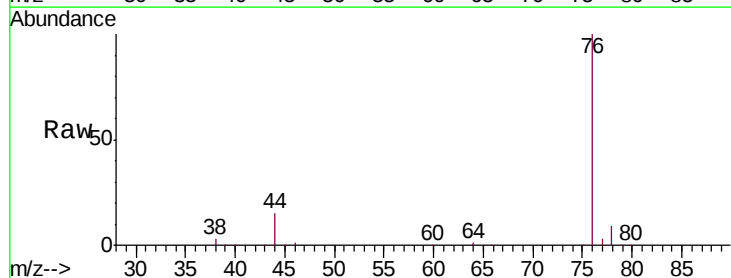
Acq: 06 Jun 2019 23:04

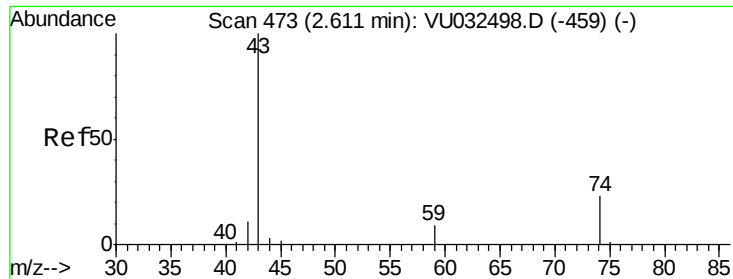
Tgt Ion: 76 Resp: 179069

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

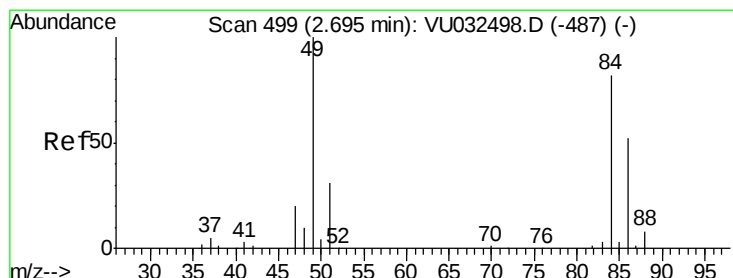
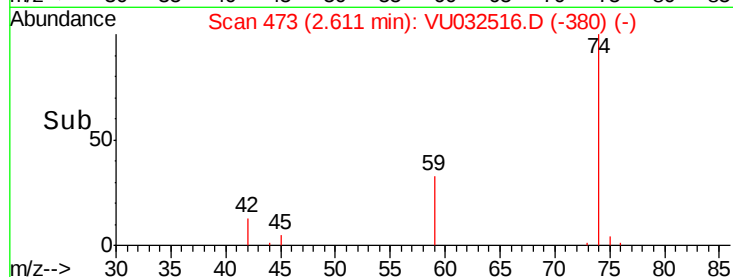
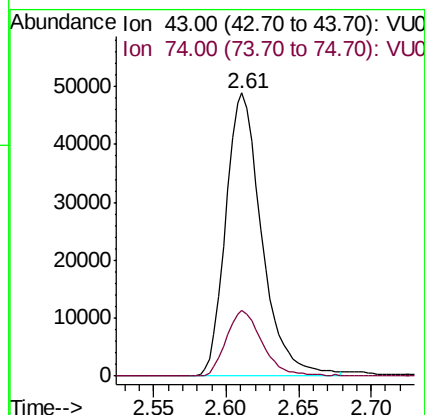
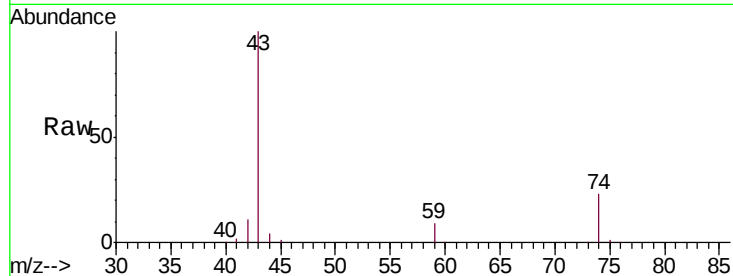




#15
Methyl Acetate
Concen: 50.532 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

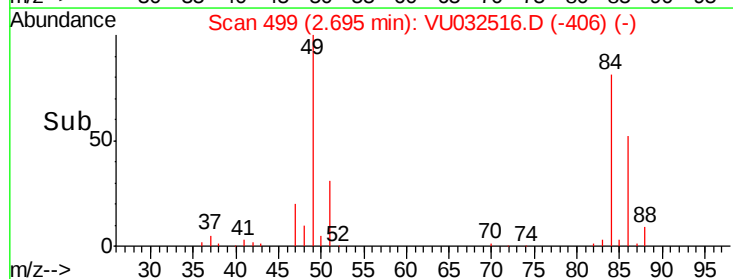
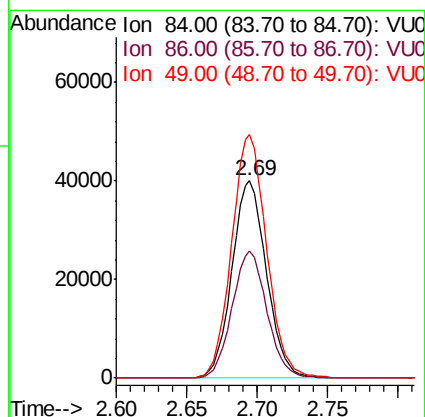
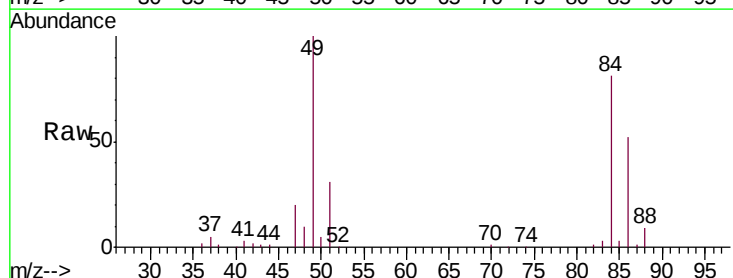
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

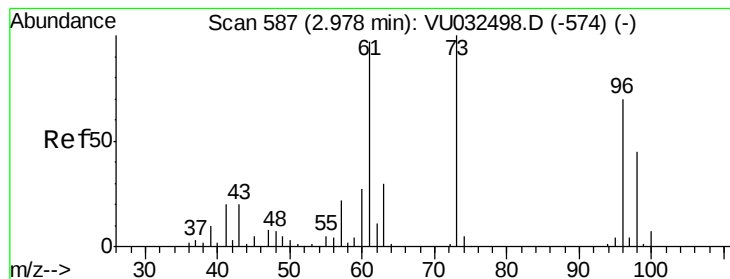
Tgt Ion: 43 Resp: 83473
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0



#16
Methylene chloride
Concen: 49.145 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Tgt Ion: 84 Resp: 68718
Ion Ratio Lower Upper
84 100
86 64.3 44.7 82.9
49 123.4 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 48.600 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

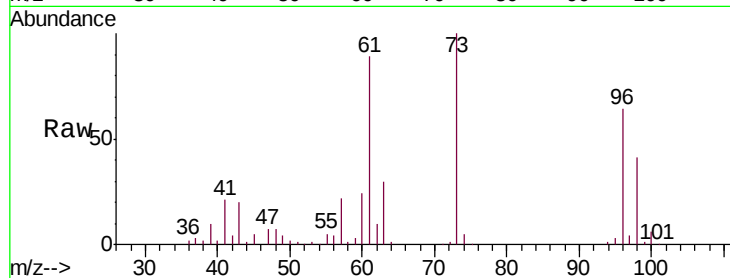
Tgt Ion: 96 Resp: 64538

Ion Ratio Lower Upper

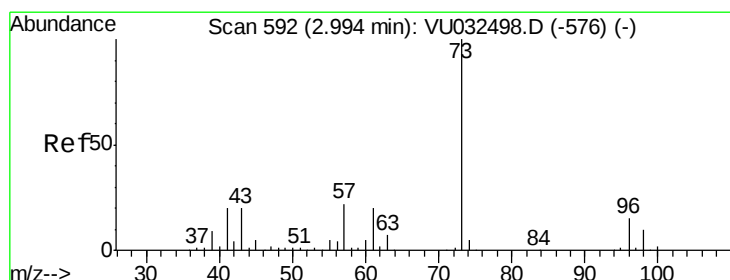
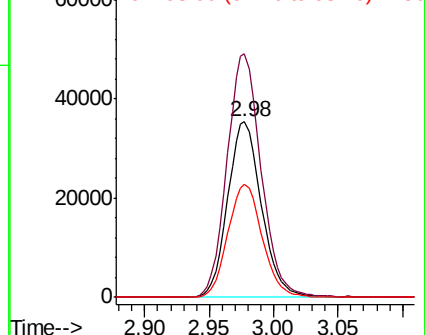
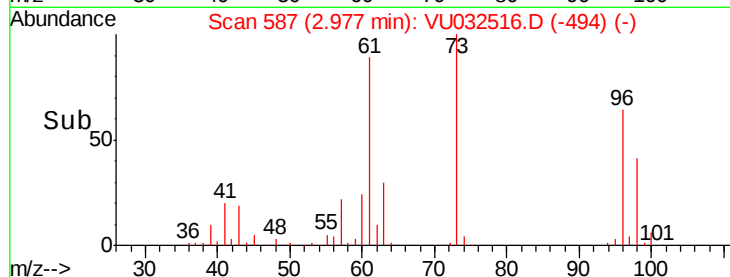
96 100

61 138.6 95.7 177.7

98 64.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032516.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 49.043 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

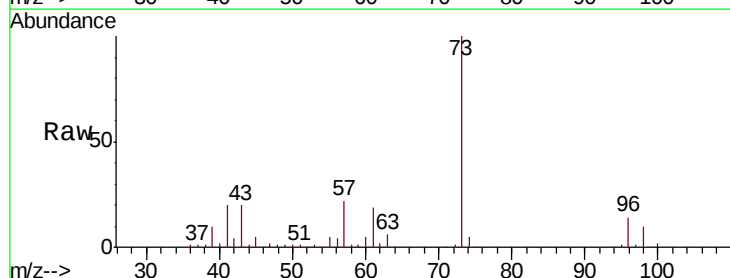
Tgt Ion: 73 Resp: 213957

Ion Ratio Lower Upper

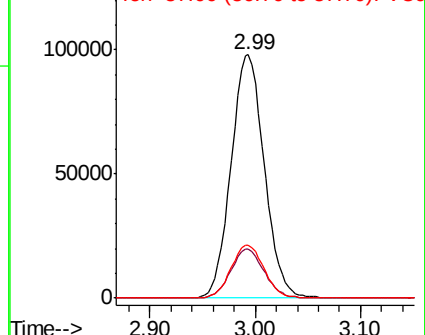
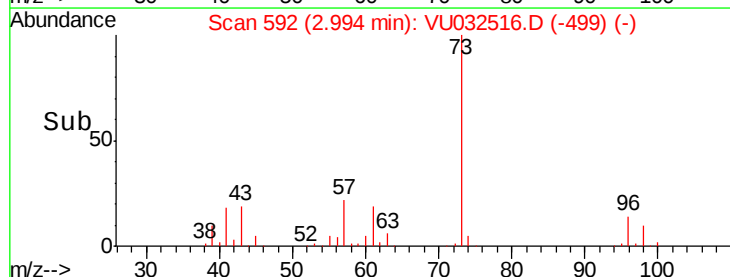
73 100

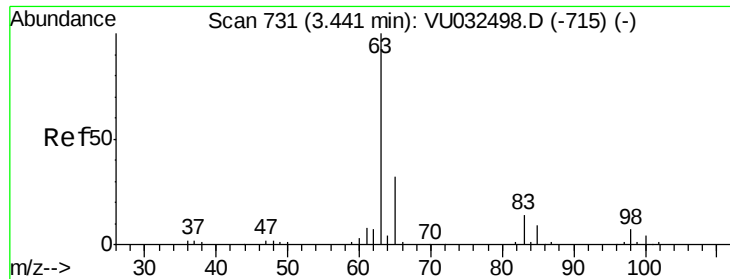
43 20.2 15.8 23.6

57 21.8 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VU032516.D (-499) (-)

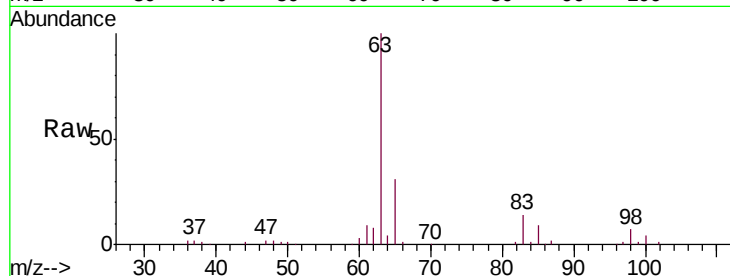




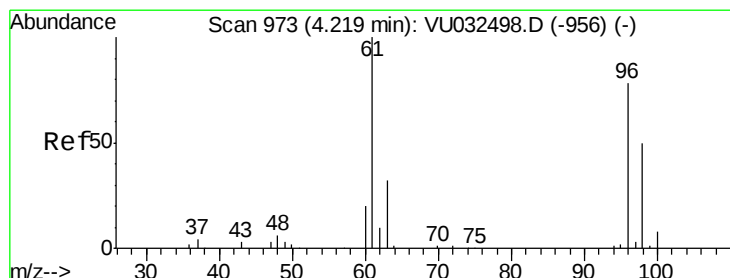
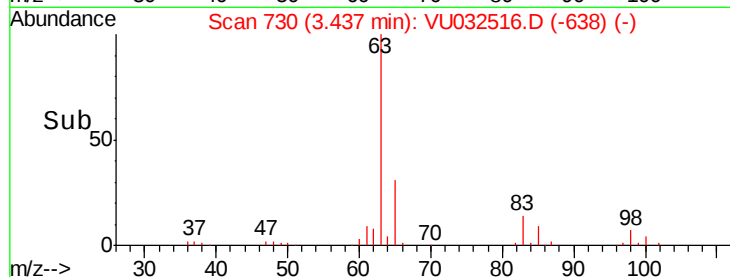
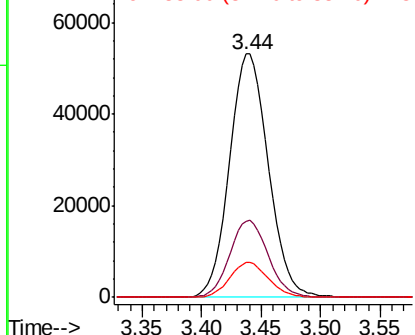
#19
 1,1-Dichloroethane
 Concen: 49.748 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032516.D
 Acq: 06 Jun 2019 23:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Tgt Ion: 63 Resp: 120432
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.8 40.6
 83 14.2 9.8 18.2

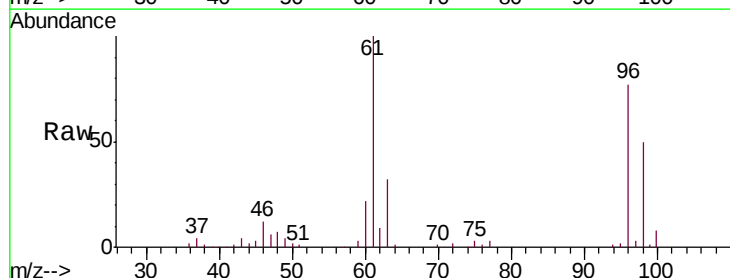


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

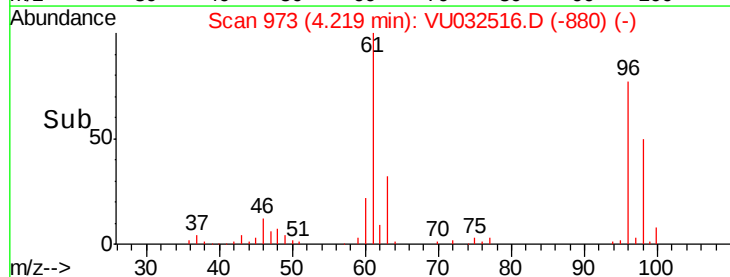
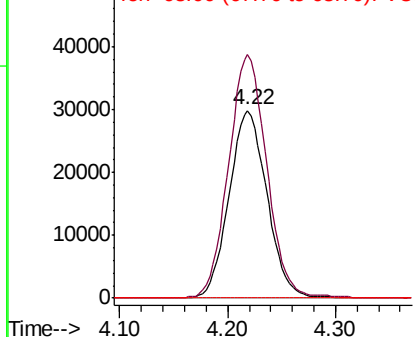


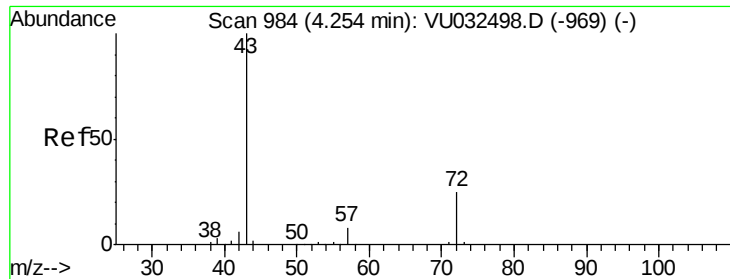
#20
 cis-1,2-Dichloroethene
 Concen: 48.625 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032516.D
 Acq: 06 Jun 2019 23:04

Tgt Ion: 96 Resp: 73077
 Ion Ratio Lower Upper
 96 100
 61 129.9 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: 92.384 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampled :

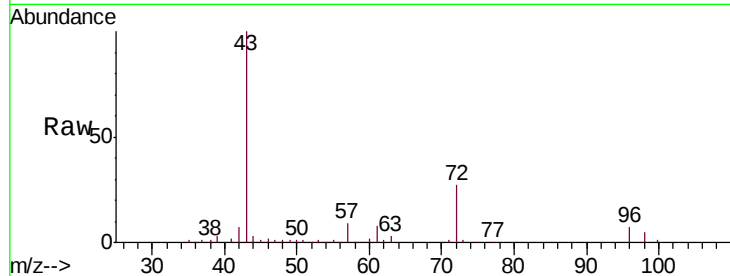
VSTD05034

Tgt Ion: 43 Resp: 126326

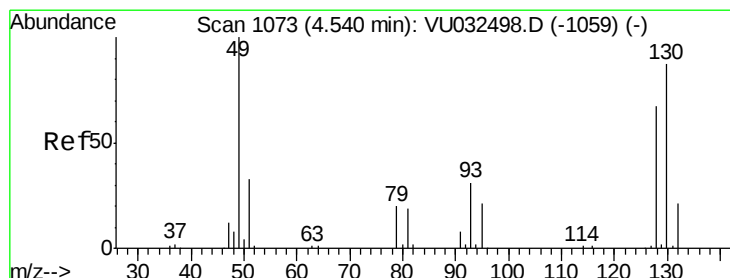
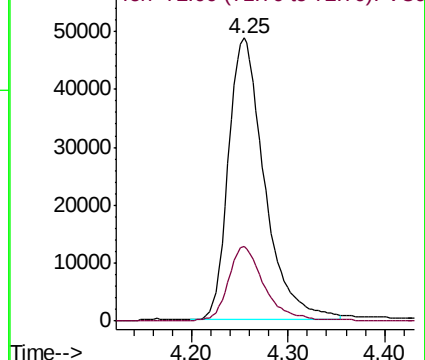
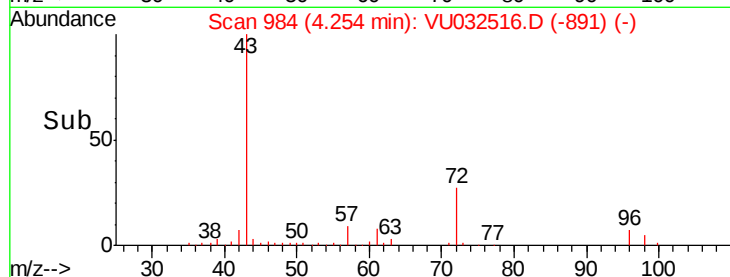
Ion Ratio Lower Upper

43 100

72 26.4 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032516.D (-891) (-)



#23

Bromochloromethane

Concen: 49.355 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Tgt Ion: 128 Resp: 38567

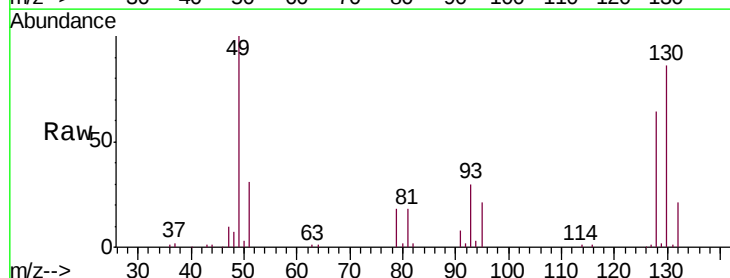
Ion Ratio Lower Upper

128 100

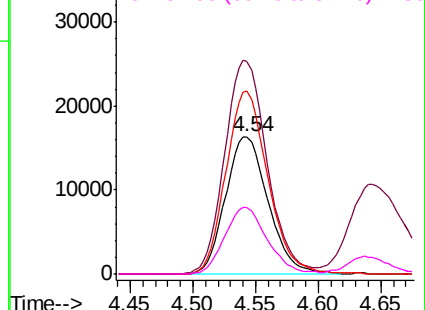
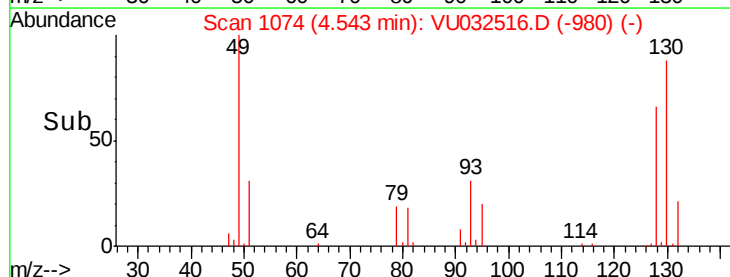
49 155.2 103.7 192.5

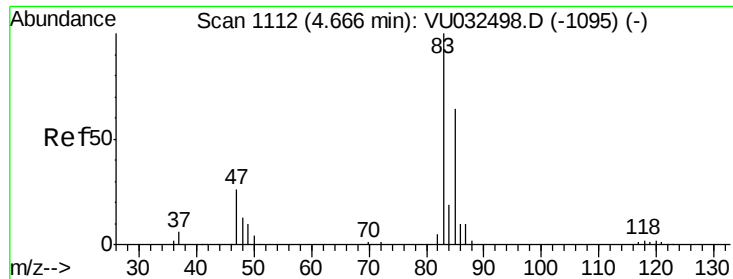
130 133.1 92.2 171.2

51 48.6 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU032516.D (-980) (-)

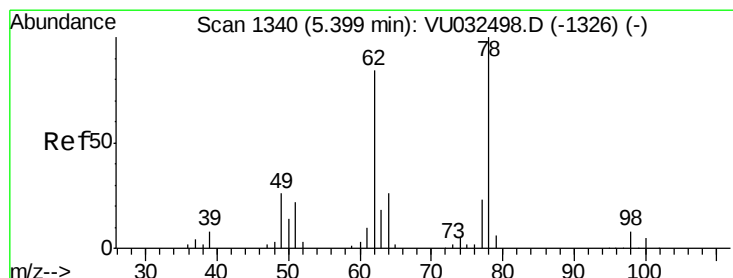
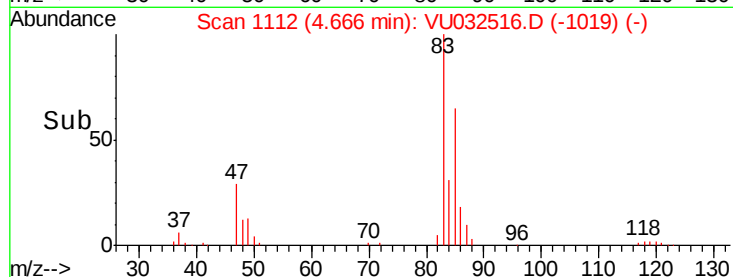
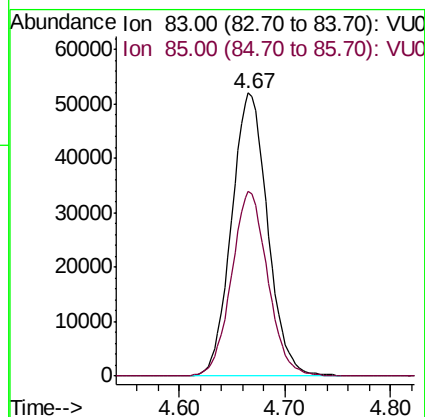
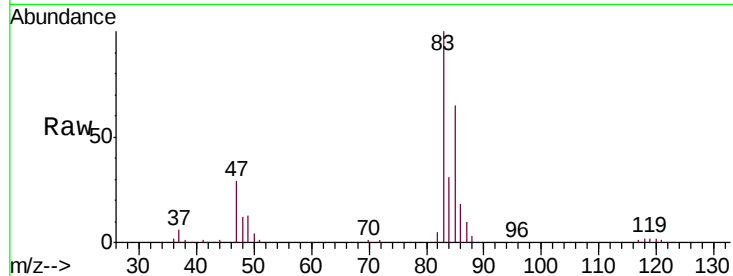




#25
Chloroform
Concen: 49.548 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

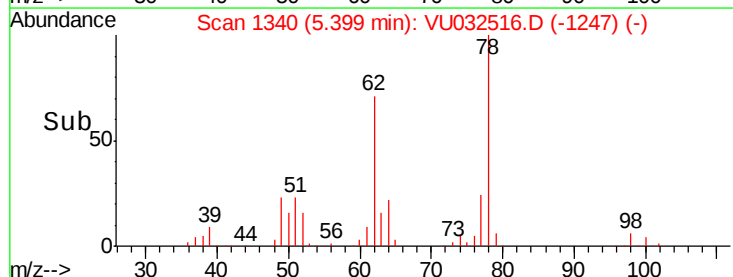
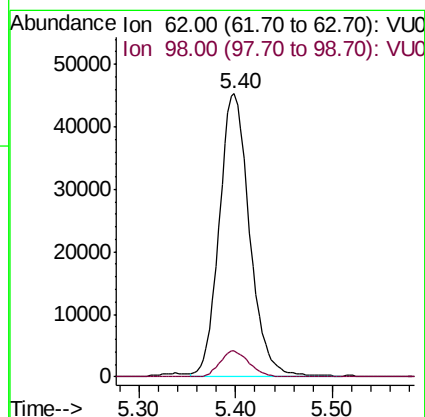
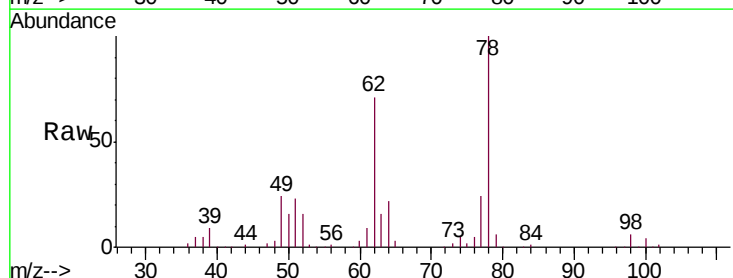
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

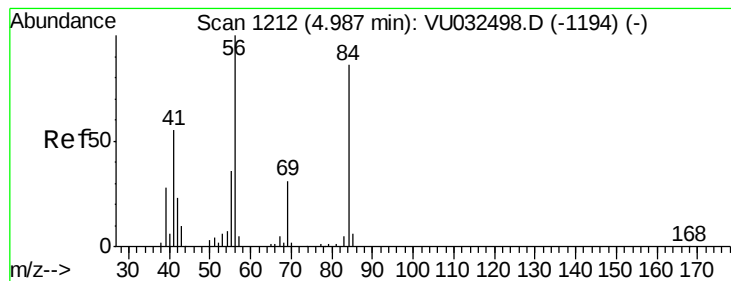
Tgt Ion: 83 Resp: 123779
Ion Ratio Lower Upper
83 100
85 65.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 50.347 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Tgt Ion: 62 Resp: 99429
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 48.231 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

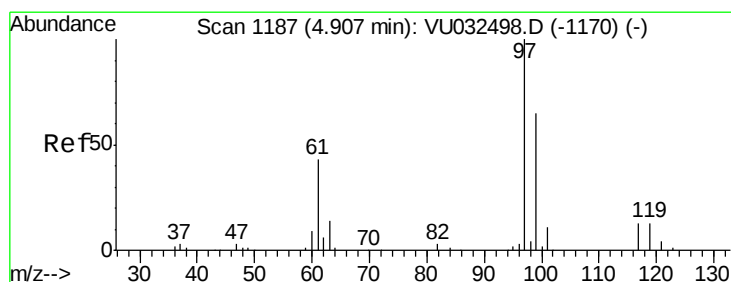
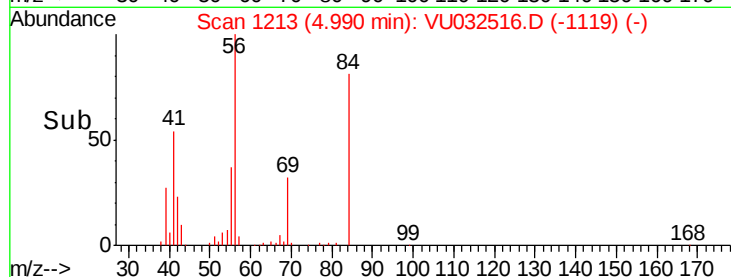
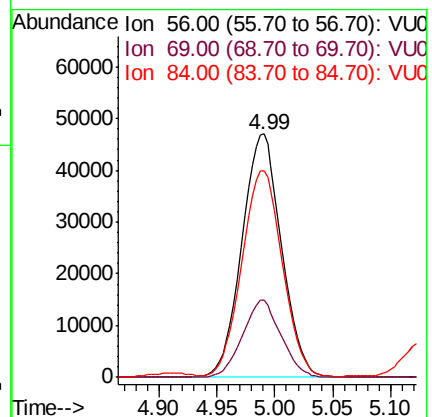
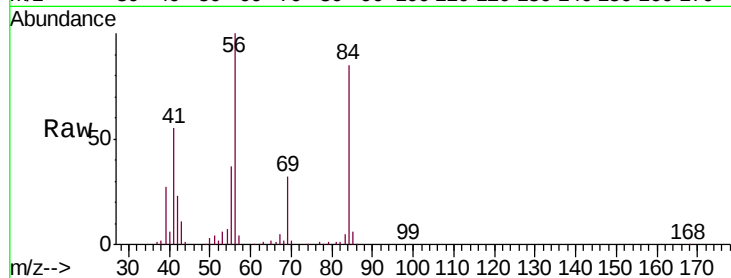
Tgt Ion: 56 Resp: 111444

Ion Ratio Lower Upper

56 100

69 30.8 24.7 37.1

84 87.3 69.0 103.4



#30

1,1,1-Trichloroethane

Concen: 49.373 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

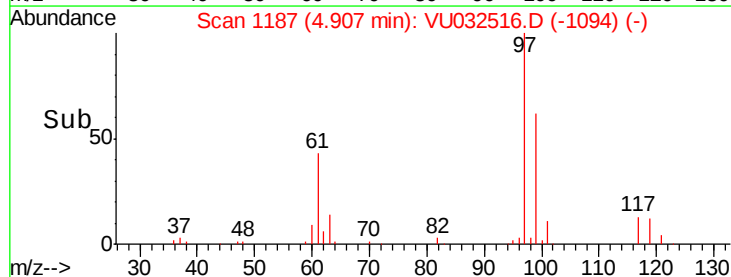
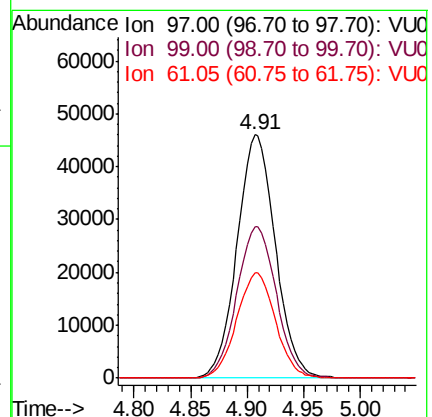
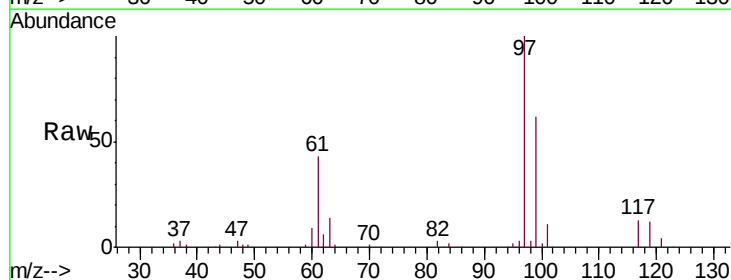
Tgt Ion: 97 Resp: 108578

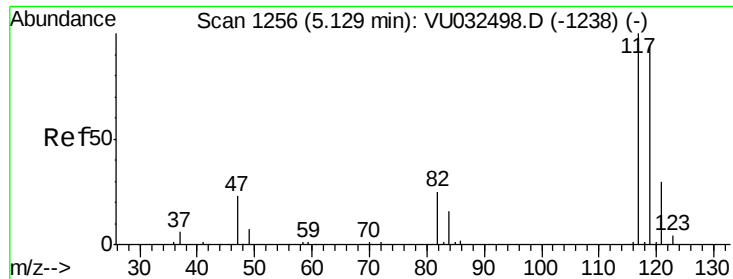
Ion Ratio Lower Upper

97 100

99 64.0 50.5 75.7

61 43.7 33.8 50.6





#31

Carbon tetrachloride

Concen: 49.342 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

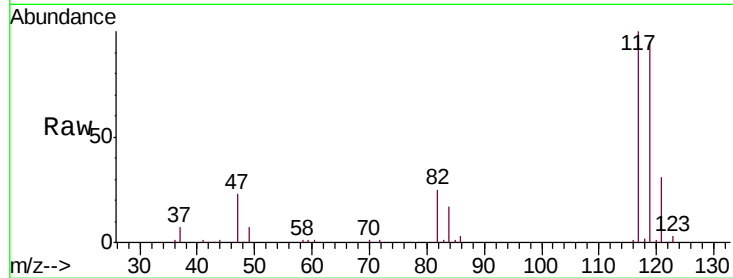
VSTD05034

Tgt Ion:117 Resp: 99452

Ion Ratio Lower Upper

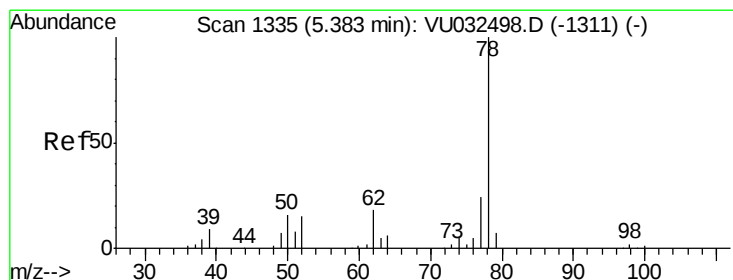
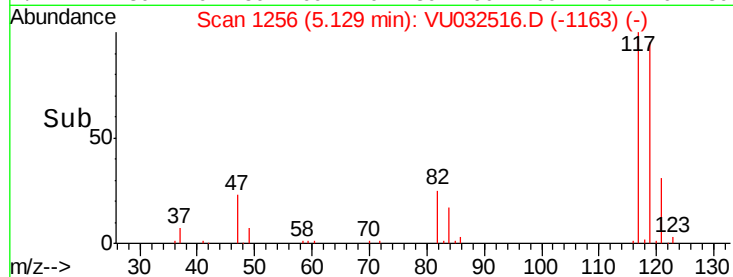
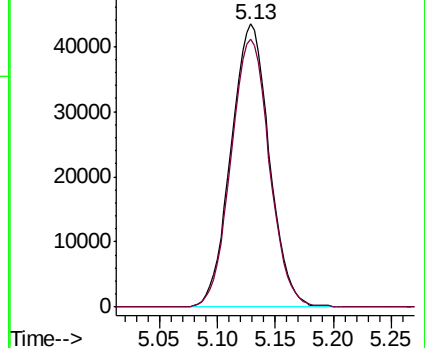
117 100

119 95.2 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.374 ug/L

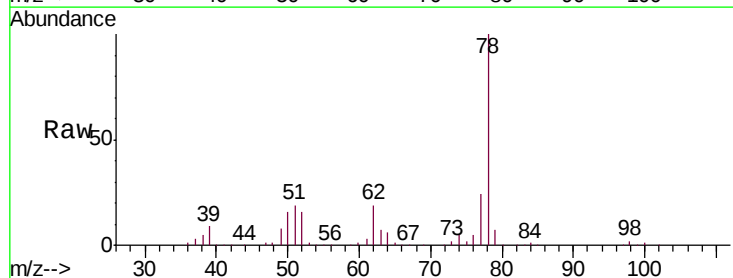
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Tgt Ion: 78 Resp: 269492



Abundance Ion 78.00 (77.70 to 78.70): VU0

150000

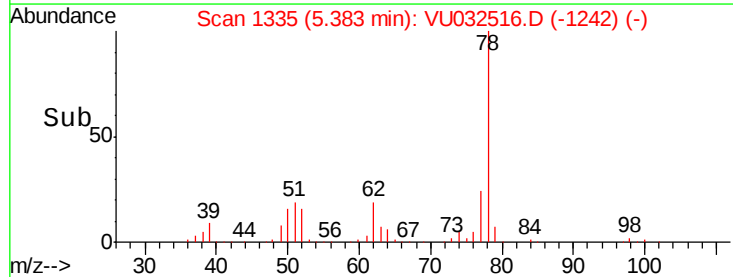
100000

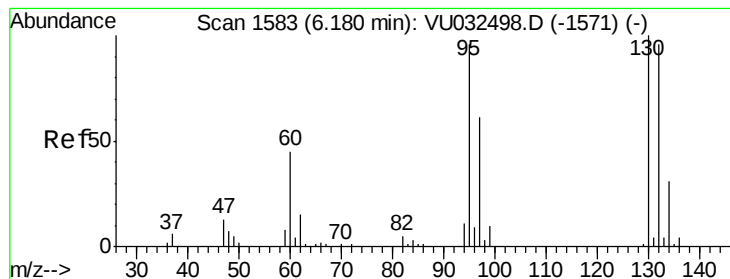
50000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 48.496 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

Tgt Ion: 95 Resp: 72015

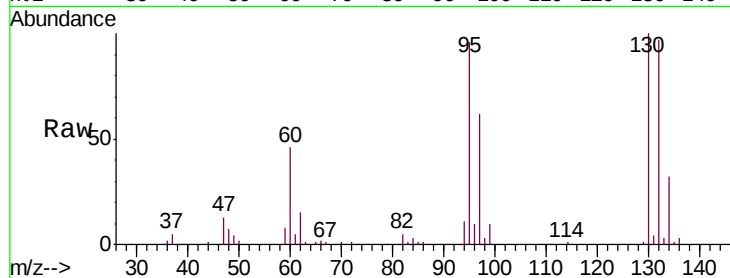
Ion Ratio Lower Upper

95 100

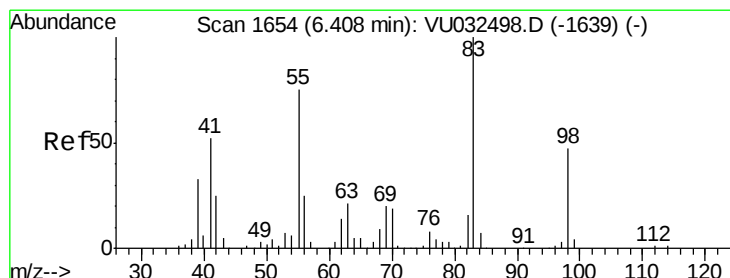
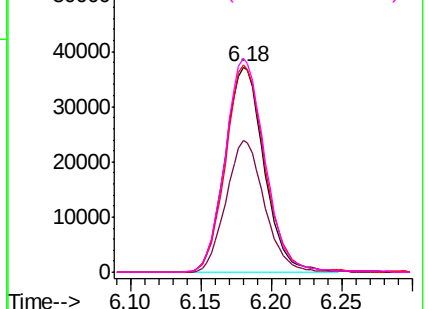
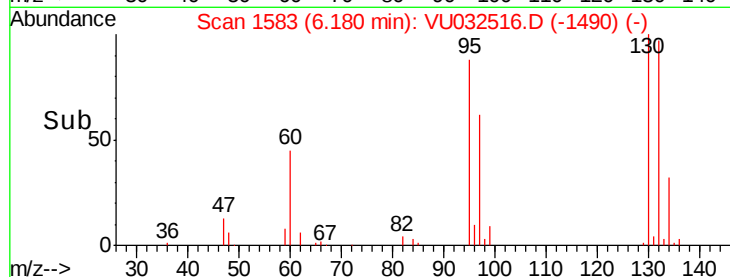
97 64.5 45.8 85.2

132 101.0 71.0 131.8

130 104.2 73.4 136.2



Abundance Ion 95.00 (94.70 to 95.70): VU032516.D (-1490) (-)



#35

Methylcyclohexane

Concen: 47.950 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

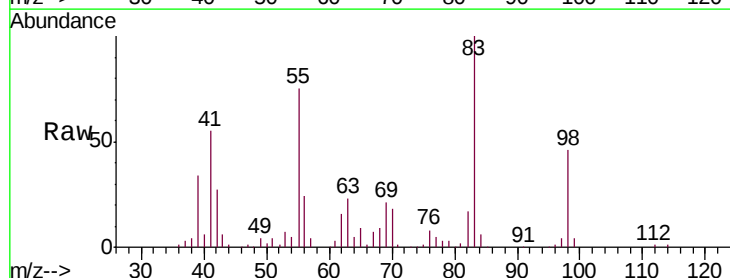
Tgt Ion: 83 Resp: 115271

Ion Ratio Lower Upper

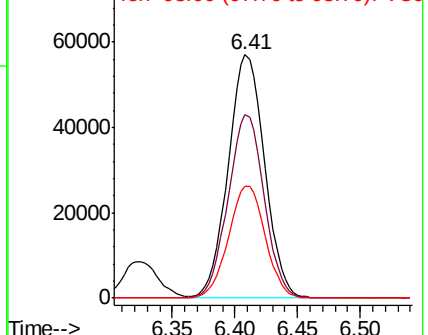
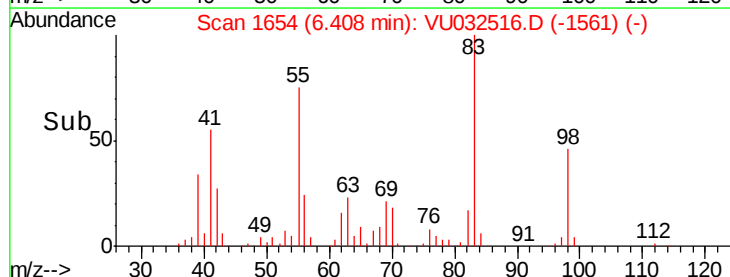
83 100

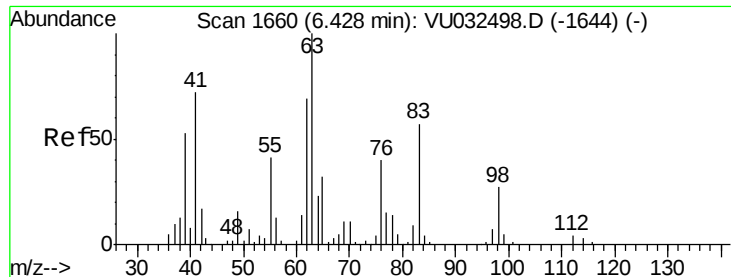
55 74.5 60.2 90.4

98 46.2 37.4 56.2



Abundance Ion 83.00 (82.70 to 83.70): VU032516.D (-1561) (-)





#37

1,2-Dichloropropane

Concen: 49.493 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

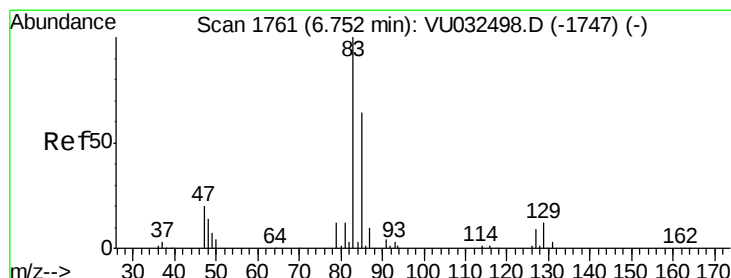
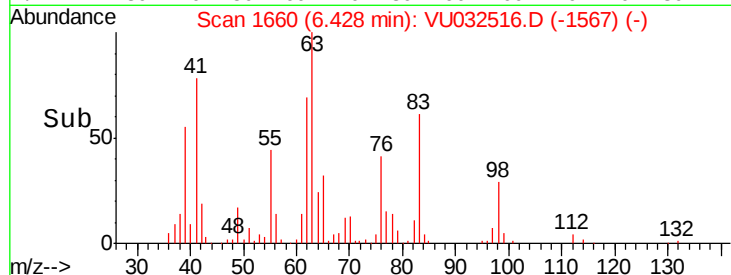
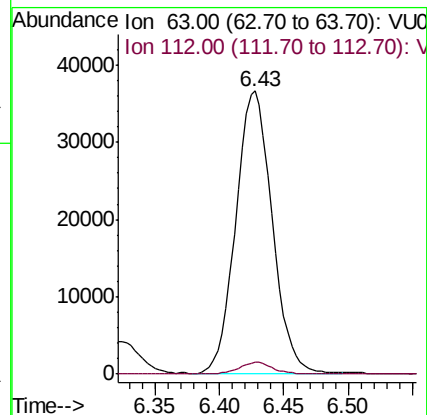
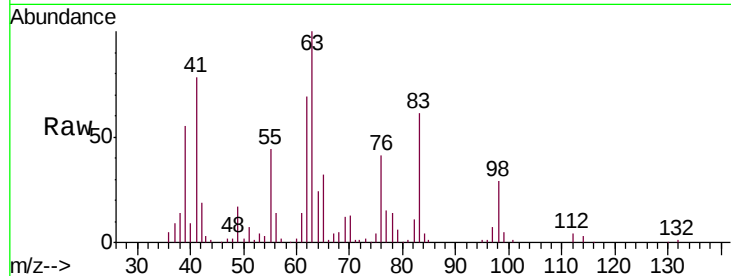
VSTD05034

Tgt Ion: 63 Resp: 71610

Ion Ratio Lower Upper

63 100

112 3.7 3.1 4.7



#38

Bromodichloromethane

Concen: 49.412 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

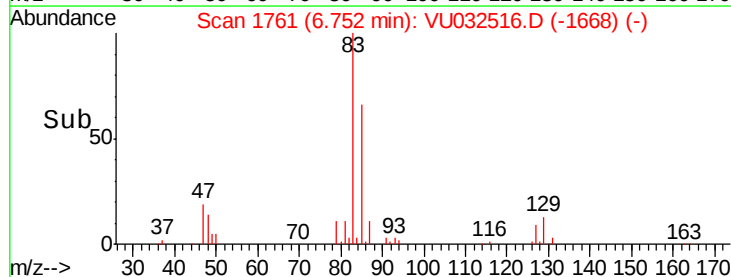
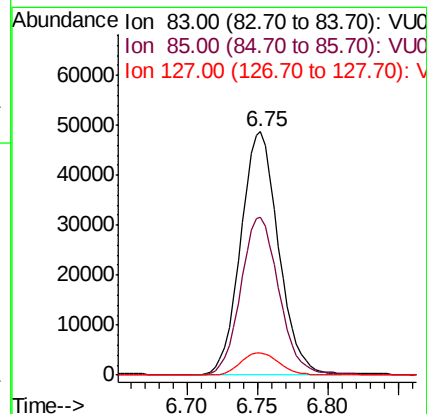
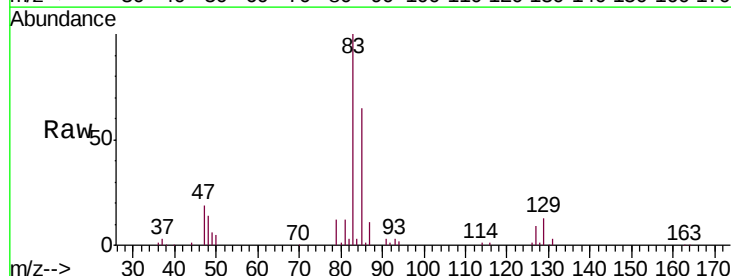
Tgt Ion: 83 Resp: 92057

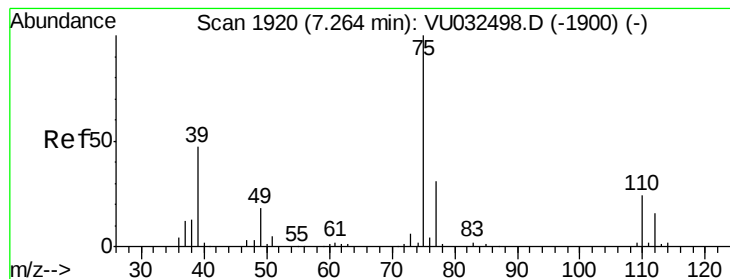
Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.4

127 9.3 7.4 11.2



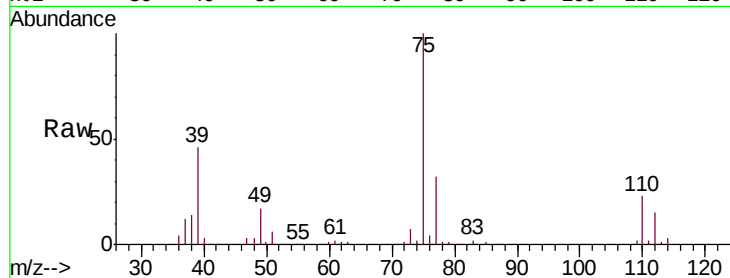


#39

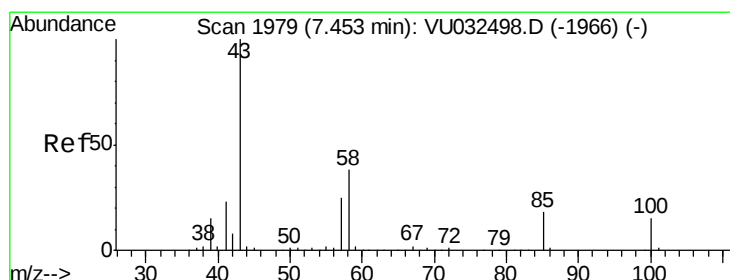
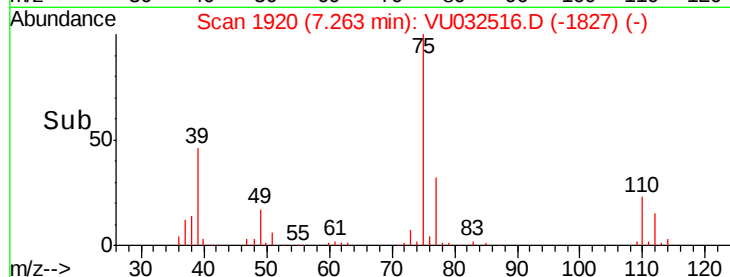
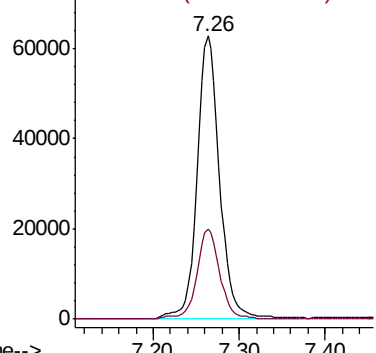
cis-1,3-Dichloropropene
Concen: 49.990 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion: 75 Resp: 114121
Ion Ratio Lower Upper
75 100
77 31.8 22.0 41.0



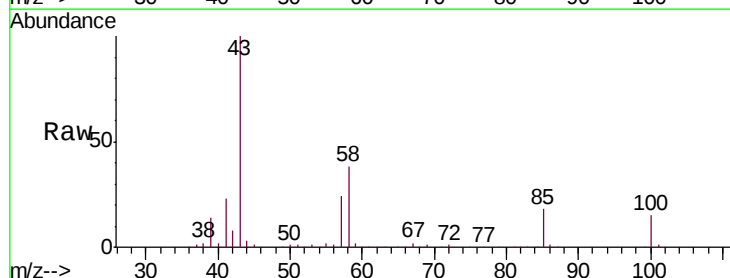
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0



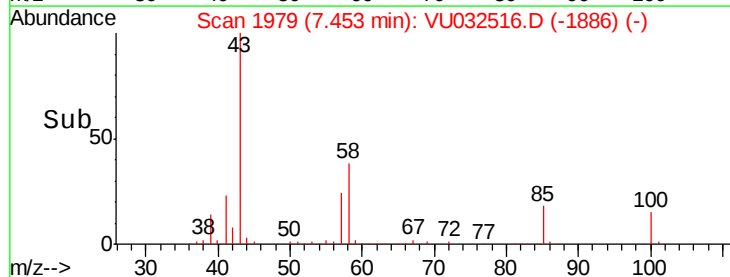
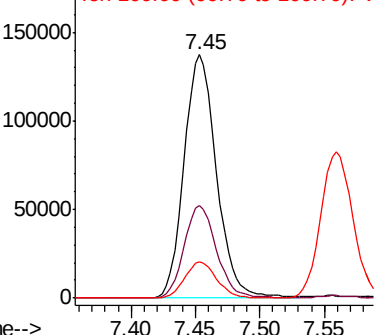
#40

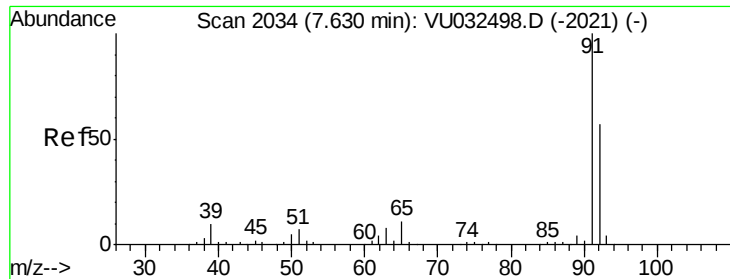
4-Methyl-2-pentanone
Concen: 103.249 ug/L
RT: 7.45 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Tgt Ion: 43 Resp: 240332
Ion Ratio Lower Upper
43 100
58 37.9 30.8 46.2
100 14.8 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 49.508 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

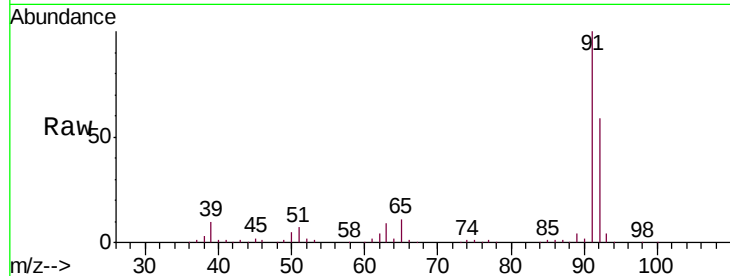
VSTD05034

Tgt Ion: 91 Resp: 295937

Ion Ratio Lower Upper

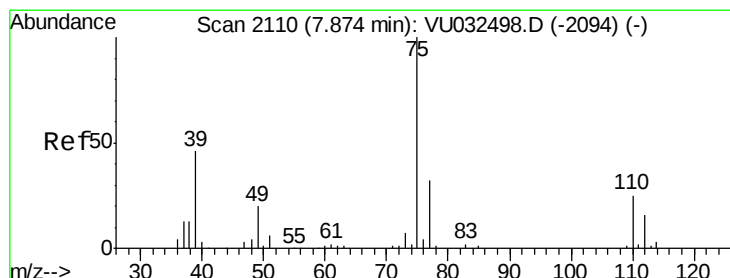
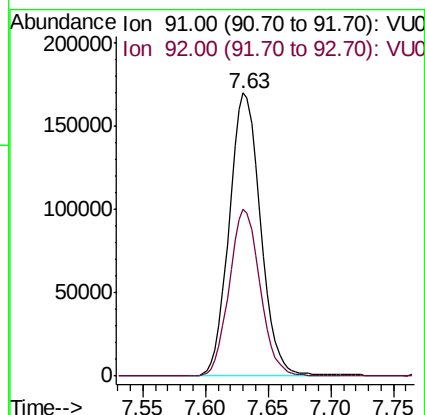
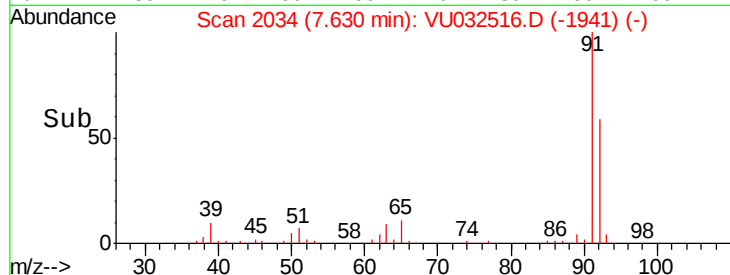
91 100

92 58.9 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032516.D (-1941) (-)

Ion 92.00 (91.70 to 92.70): VU032516.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.596 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032516.D

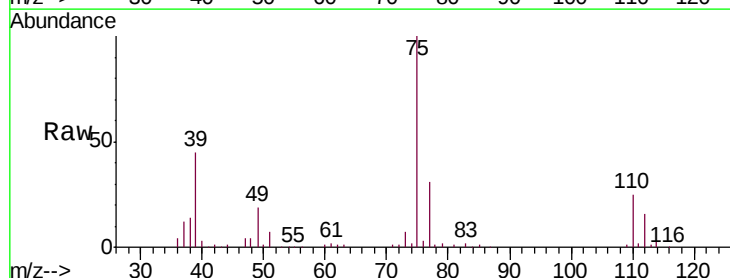
Acq: 06 Jun 2019 23:04

Tgt Ion: 75 Resp: 100493

Ion Ratio Lower Upper

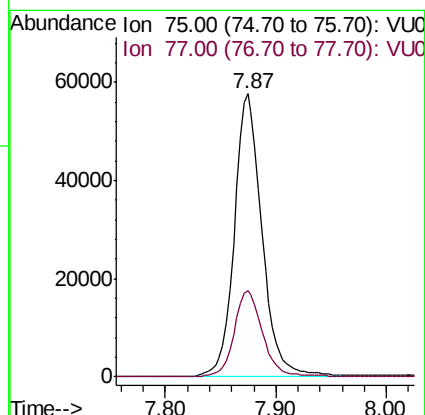
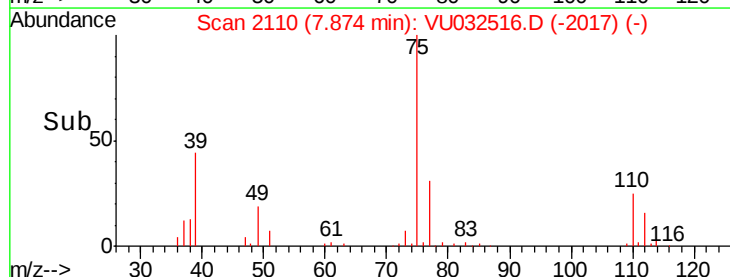
75 100

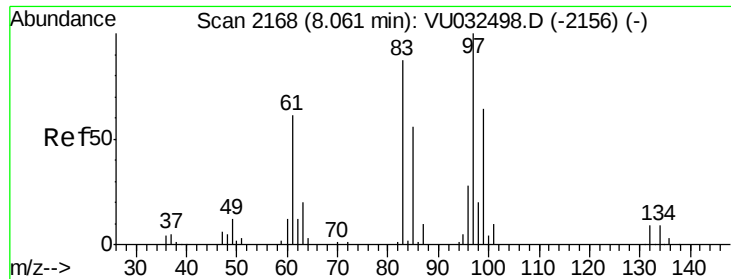
77 30.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032516.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU032516.D (-2017) (-)

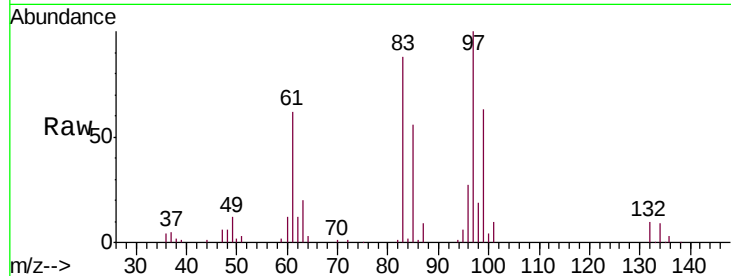




#45
1,1,2-Trichloroethane
Concen: 50.362 ug/L
RT: 8.06 min Scan# 2168
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion:	97	Resp:	68907
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.1	81.9
83	87.7	59.4	110.2
85	56.3	39.1	72.7



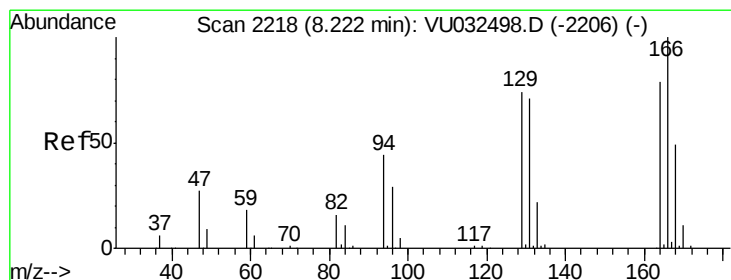
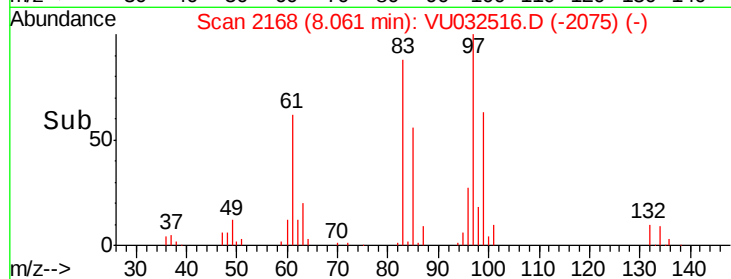
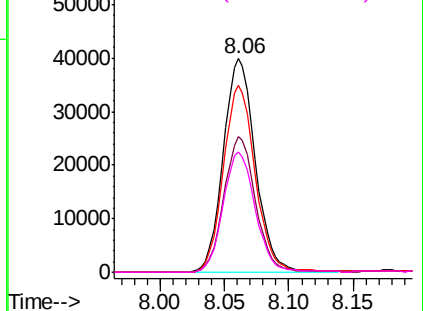
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

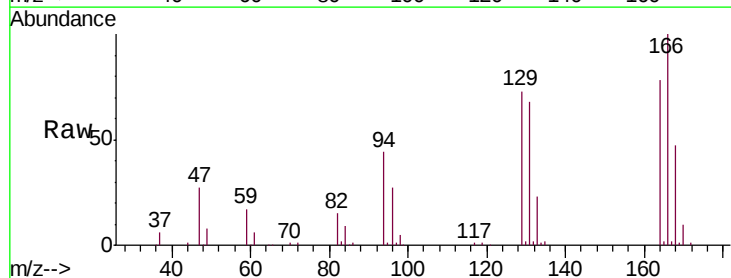
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 49.369 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Tgt Ion:	164	Resp:	60549
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.3	121.3
131	87.3	64.0	119.0
166	128.0	88.8	165.0



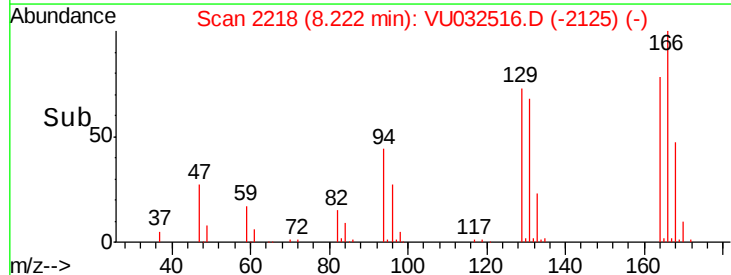
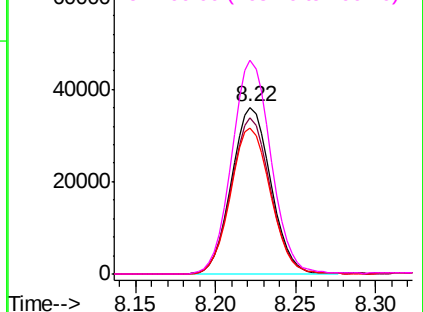
Abundance

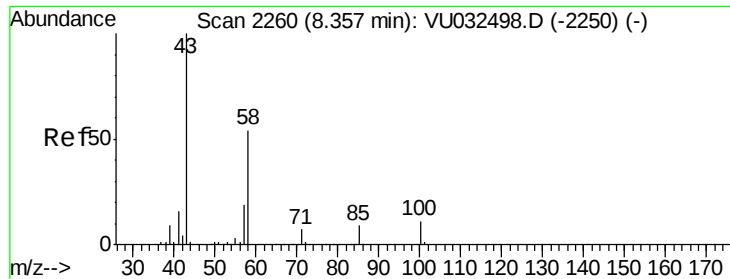
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

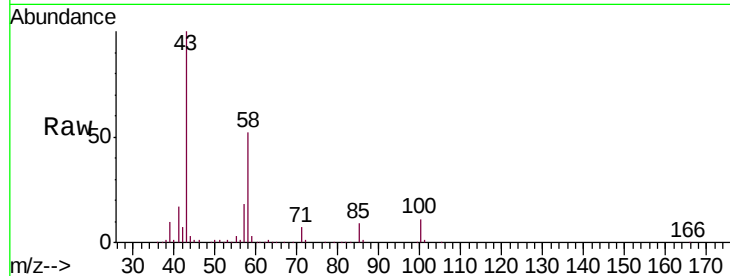




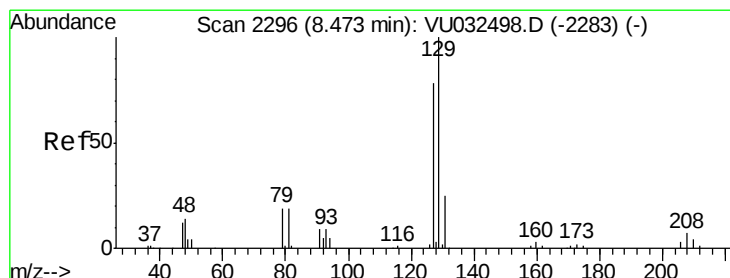
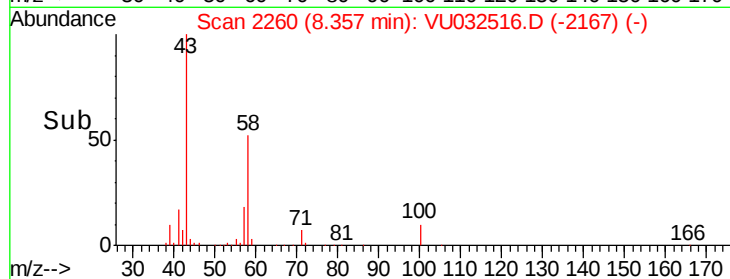
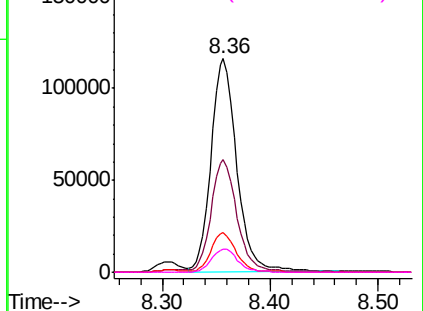
#48
2-Hexanone
Concen: 100.304 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion: 43 Resp: 191766
Ion Ratio Lower Upper
43 100
58 53.0 42.0 63.0
57 18.2 14.6 22.0
100 11.3 9.2 13.8

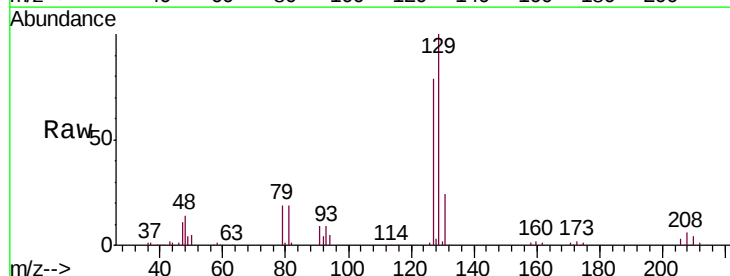


Abundance Ion 43.00 (42.70 to 43.70): VU032498.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU032498.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU032498.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU032498.D (-2250) (-)

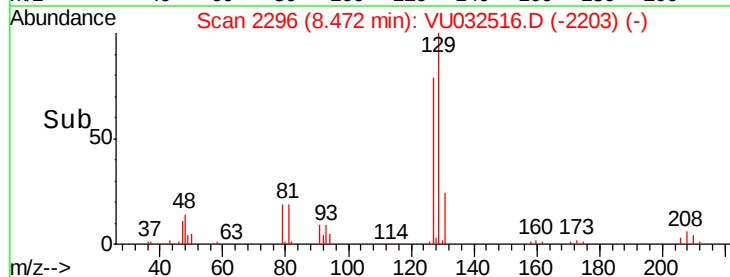
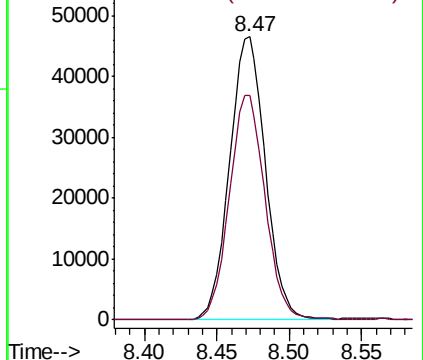


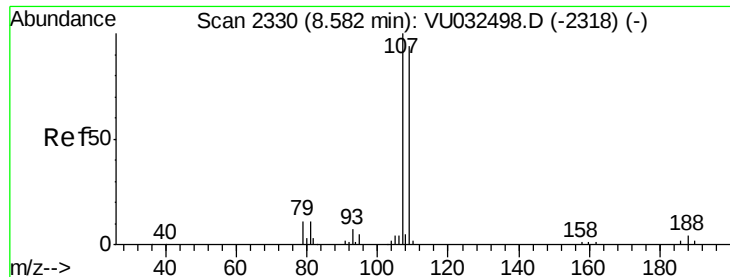
#49
Dibromochloromethane
Concen: 50.268 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Tgt Ion: 129 Resp: 79944
Ion Ratio Lower Upper
129 100
127 79.1 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VU032498.D (-2283) (-)
Ion 127.00 (126.70 to 127.70): VU032498.D (-2283) (-)

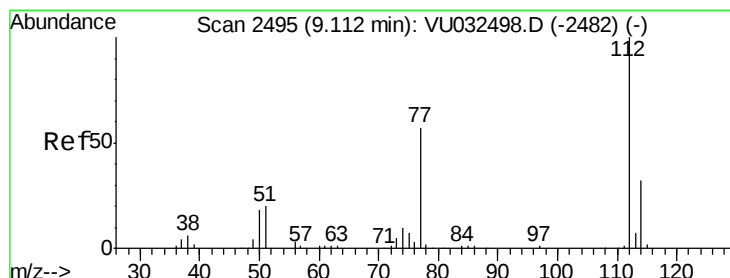
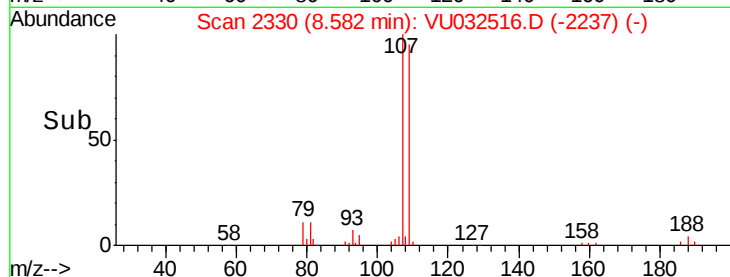
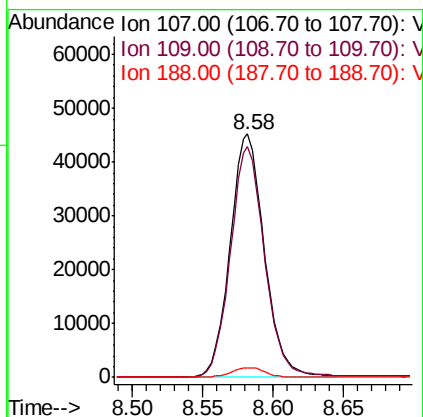
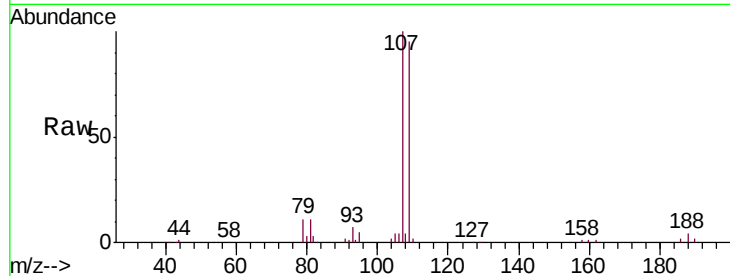




#50
1,2-Dibromoethane
Concen: 49.933 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

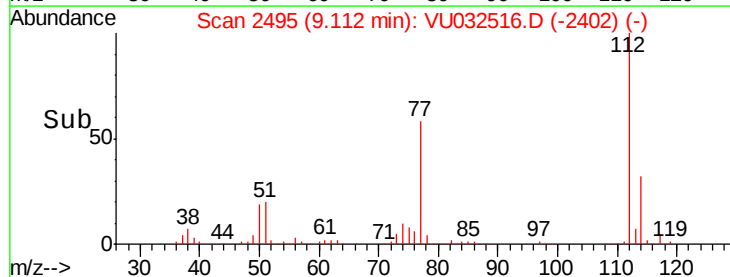
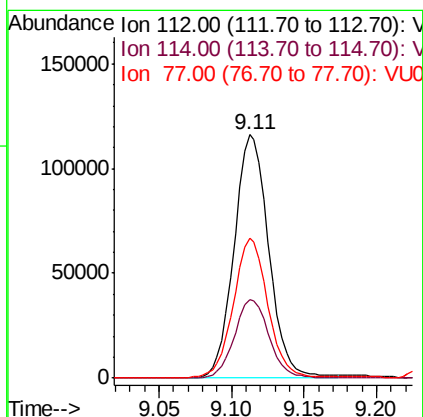
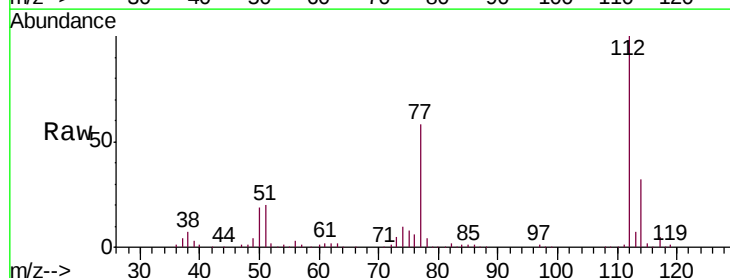
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

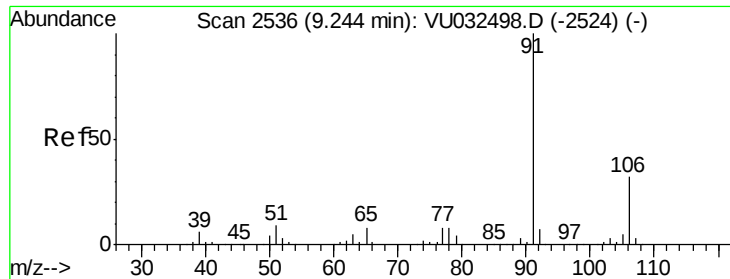
Tgt Ion:107 Resp: 76901
Ion Ratio Lower Upper
107 100
109 94.8 66.8 124.0
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 50.222 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Tgt Ion:112 Resp: 193413
Ion Ratio Lower Upper
112 100
114 32.5 22.6 42.0
77 57.6 46.1 69.1





#52

Ethylbenzene

Concen: 49.552 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

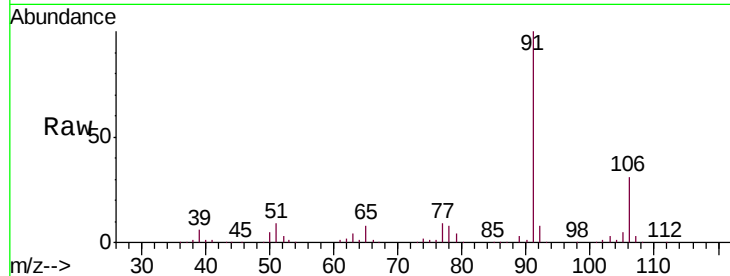
VSTD05034

Tgt Ion: 91 Resp: 330162

Ion Ratio Lower Upper

91 100

106 31.2 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032498.D (-2524) (-)

Ion 106.00 (105.70 to 106.70): VU032498.D (-2524) (-)

9.24

200000

150000

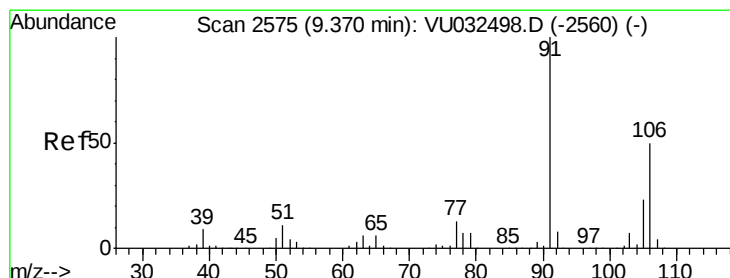
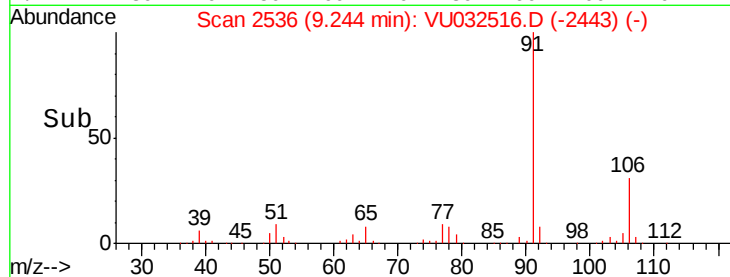
100000

50000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 49.206 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032516.D

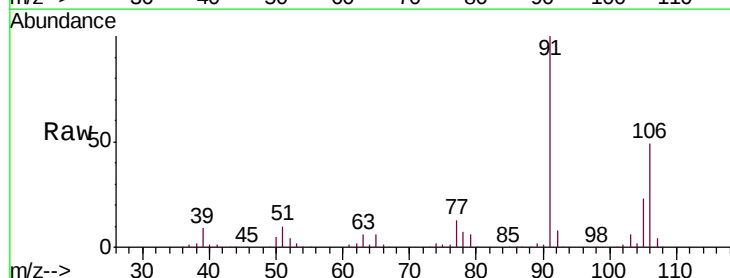
Acq: 06 Jun 2019 23:04

Tgt Ion: 106 Resp: 124670

Ion Ratio Lower Upper

106 100

91 202.5 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032498.D (-2560) (-)

Ion 91.00 (90.70 to 91.70): VU032498.D (-2560) (-)

9.37

150000

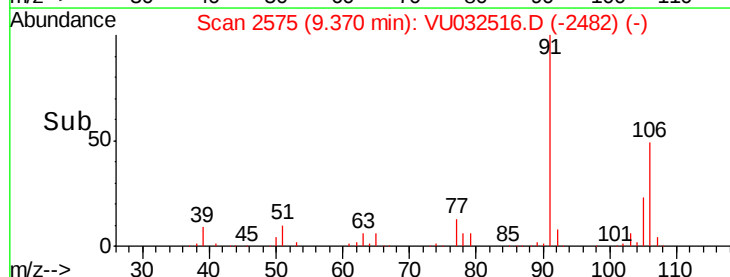
100000

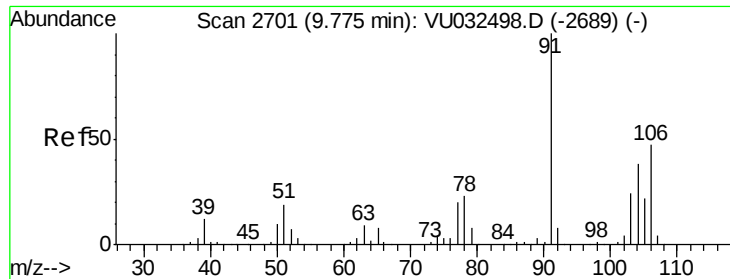
50000

0

9.30 9.35 9.40 9.45

Time-->

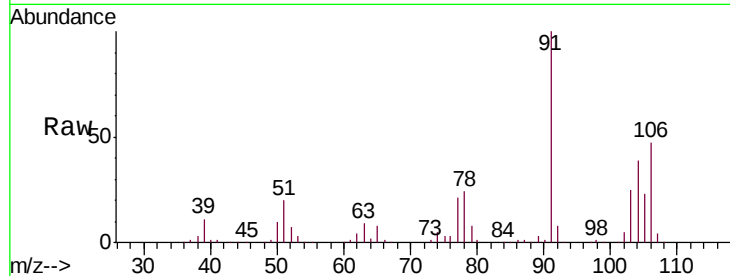




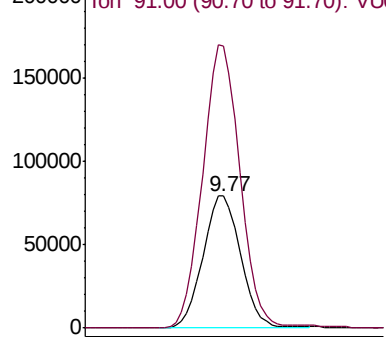
#54
o-xylene
Concen: 49.888 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

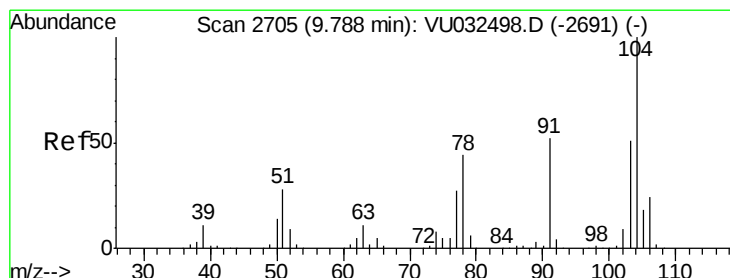
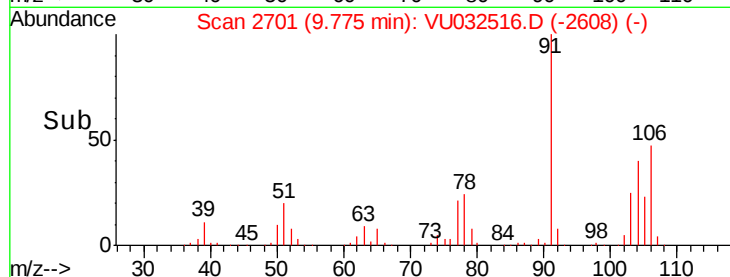
Tgt Ion:106 Resp: 125496
Ion Ratio Lower Upper
106 100
91 213.5 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

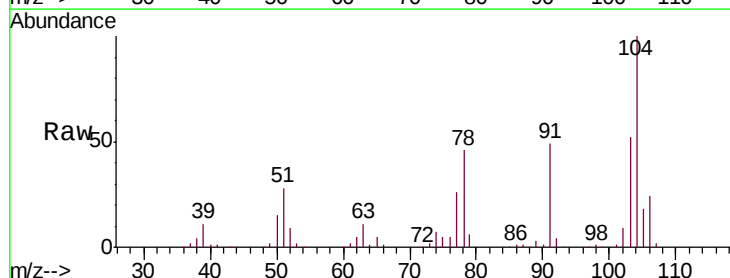


Time-->

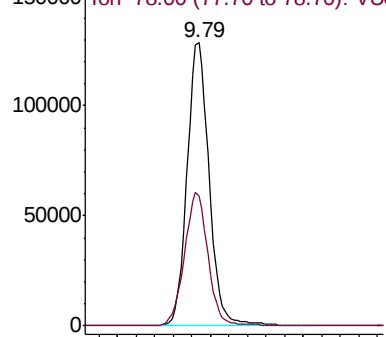


#55
Styrene
Concen: 50.729 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

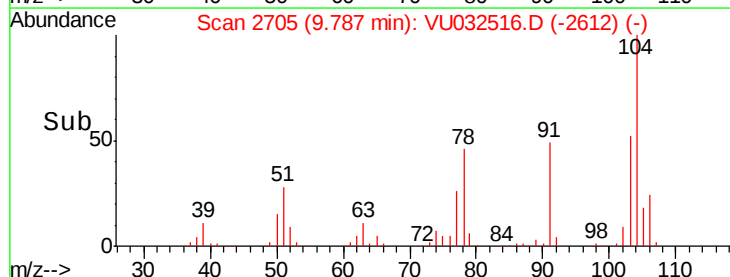
Tgt Ion:104 Resp: 213042
Ion Ratio Lower Upper
104 100
78 46.0 31.6 58.6

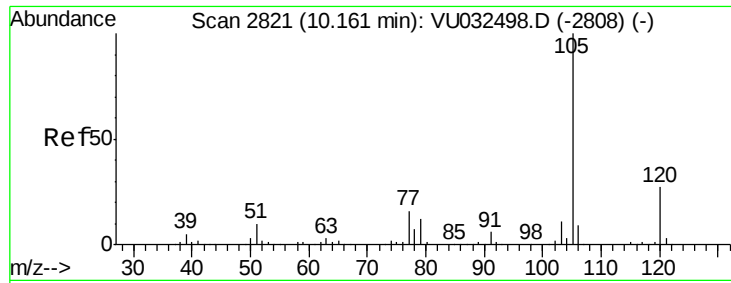


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time-->

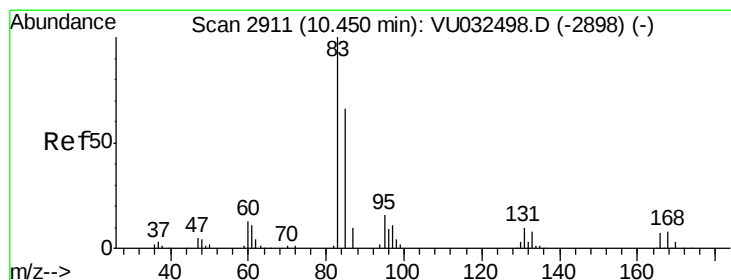
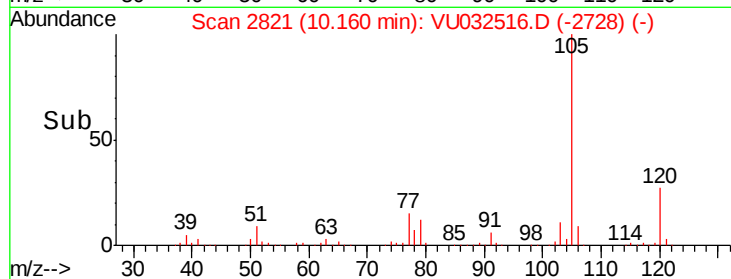
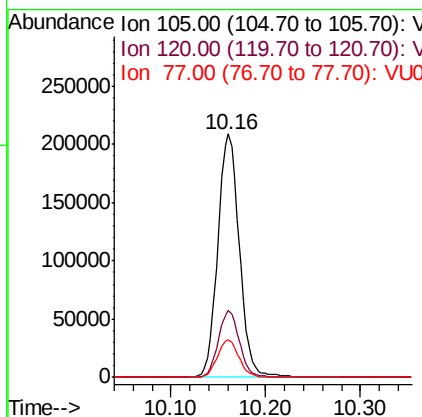
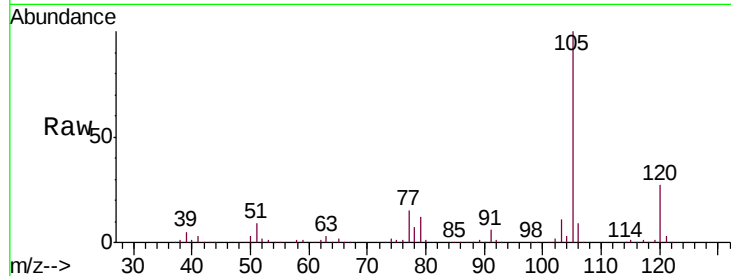




#56
Isopropylbenzene
Concen: 49.838 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

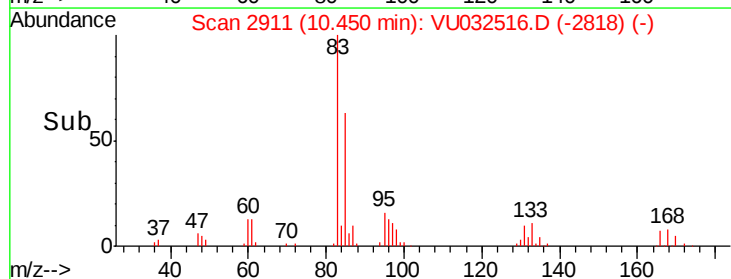
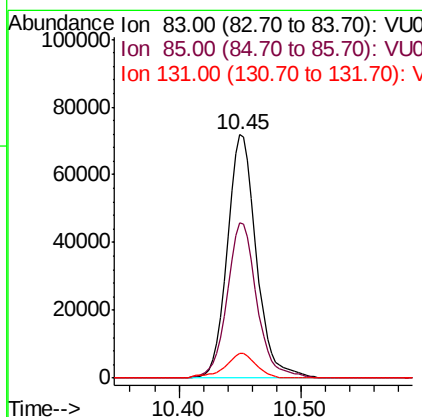
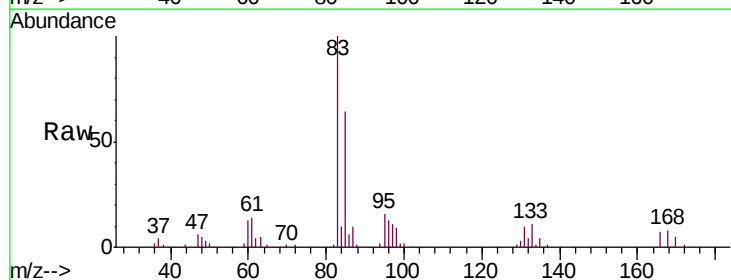
Instrument :
MSVOA_U
ClientSampled :
VSTD05034

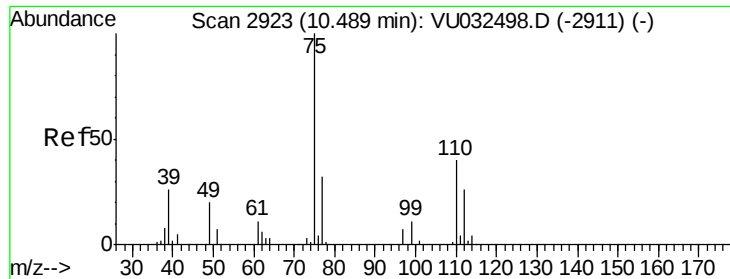
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.6	32.4
77	15.3	12.4	18.6



#58
1,1,2,2-Tetrachloroethane
Concen: 51.274 ug/L
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU032516.D
Acq: 06 Jun 2019 23:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	45.1	83.7
131	10.1	7.9	11.9





#59

1,2,3-Trichloropropane

Concen: 51.254 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

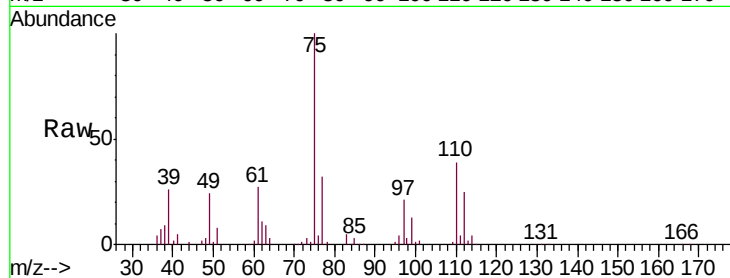
VSTD05034

Tgt Ion: 75 Resp: 96405

Ion Ratio Lower Upper

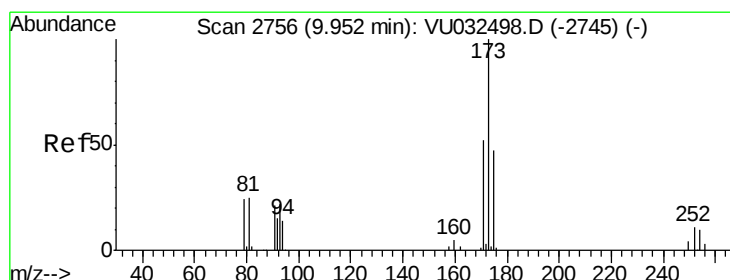
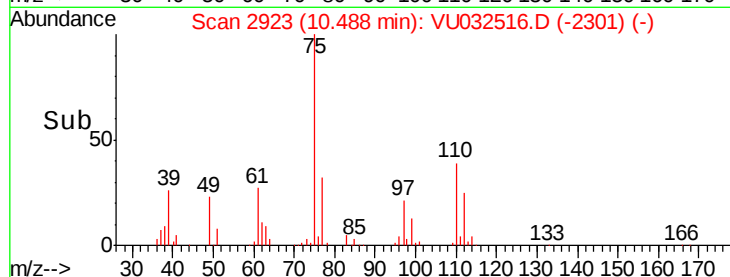
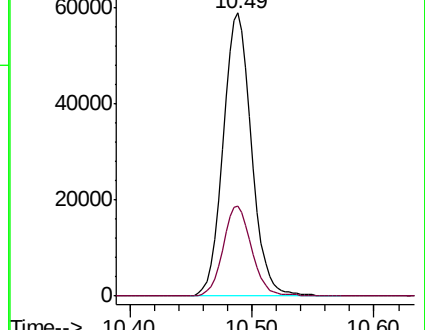
75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU032516.D (-2301) (-)

Ion 77.00 (76.70 to 77.70): VU032516.D (-2301) (-)



#61

Bromoform

Concen: 49.662 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

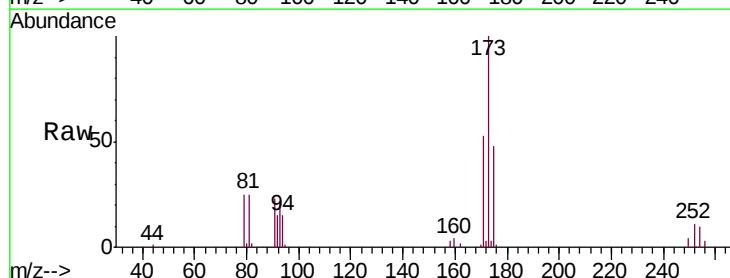
Tgt Ion: 173 Resp: 62931

Ion Ratio Lower Upper

173 100

175 48.4 39.7 59.5

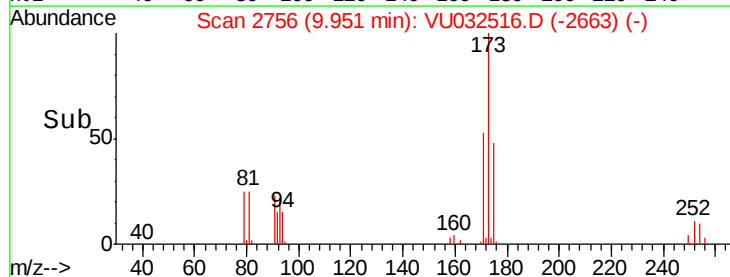
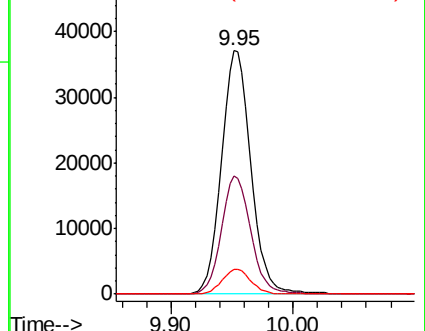
254 9.9 7.8 11.8

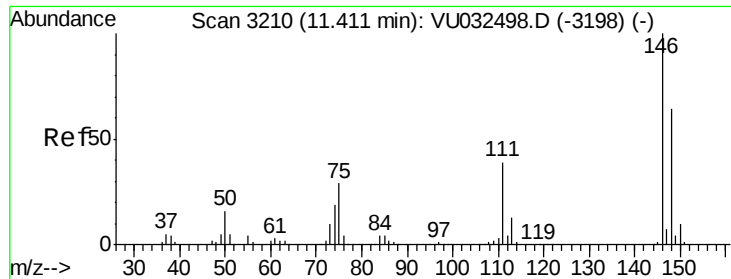


Abundance Ion 173.00 (172.70 to 173.70): VU032516.D (-2663) (-)

Ion 175.00 (174.70 to 175.70): VU032516.D (-2663) (-)

Ion 254.00 (253.70 to 254.70): VU032516.D (-2663) (-)





#62

1,3-Dichlorobenzene

Concen: 49.248 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

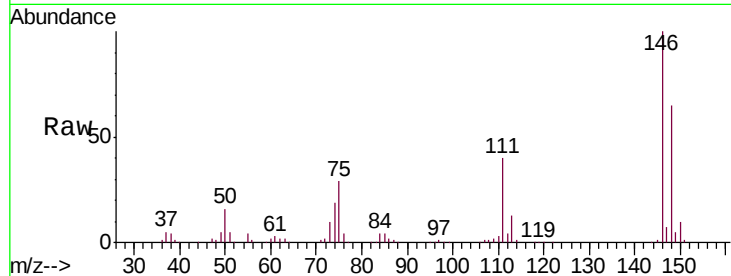
Tgt Ion:146 Resp: 158359

Ion Ratio Lower Upper

146 100

111 39.7 27.3 50.7

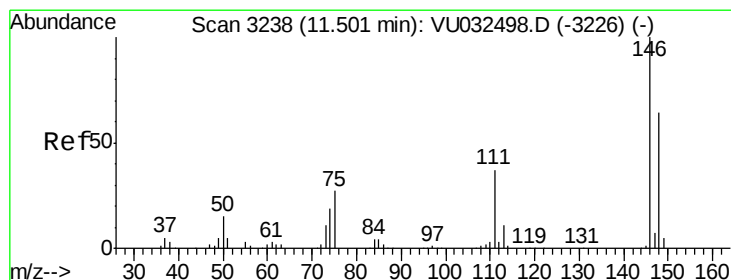
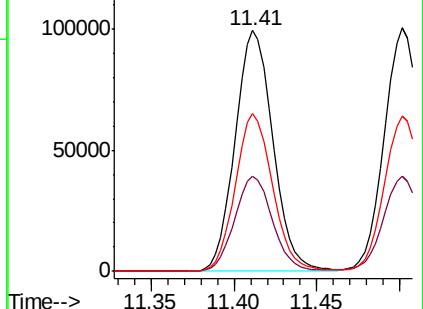
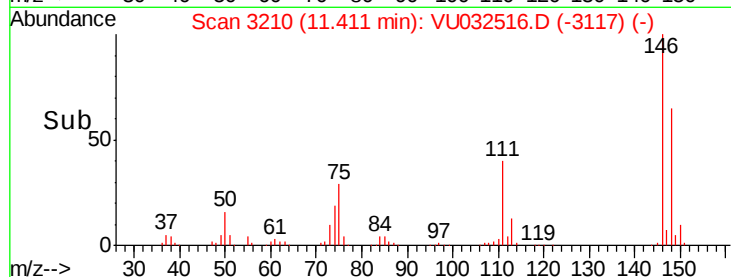
148 65.5 44.4 82.5



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: 48.292 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

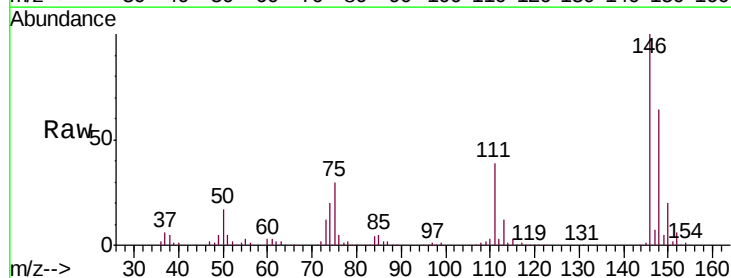
Tgt Ion:146 Resp: 158756

Ion Ratio Lower Upper

146 100

111 38.9 26.6 49.4

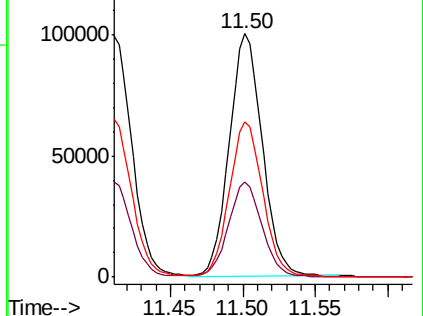
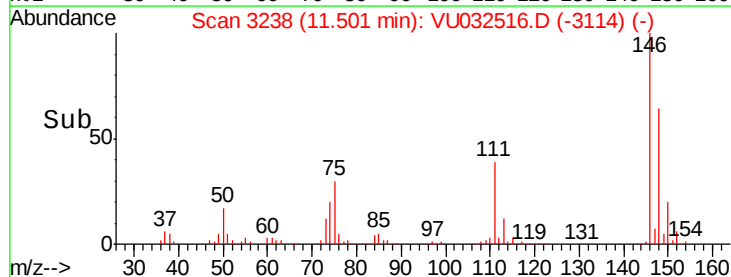
148 63.9 44.9 83.5

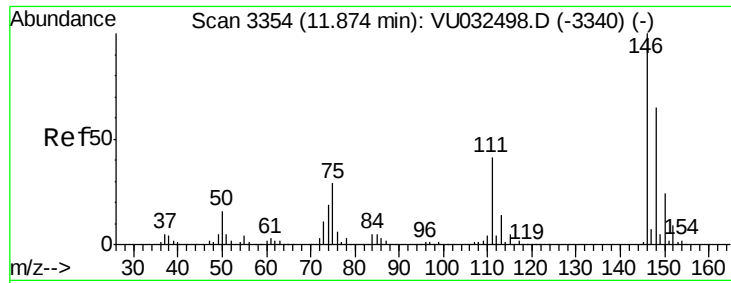


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.806 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

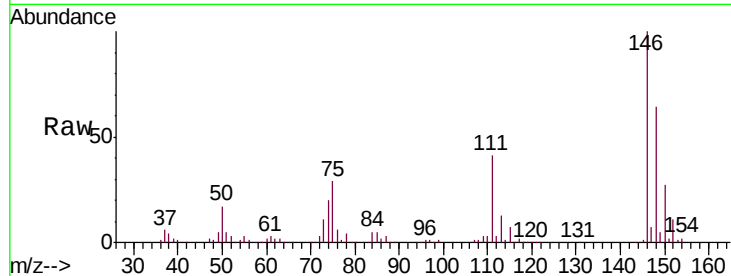
Tgt Ion:146 Resp: 161918

Ion Ratio Lower Upper

146 100

111 40.6 32.6 48.8

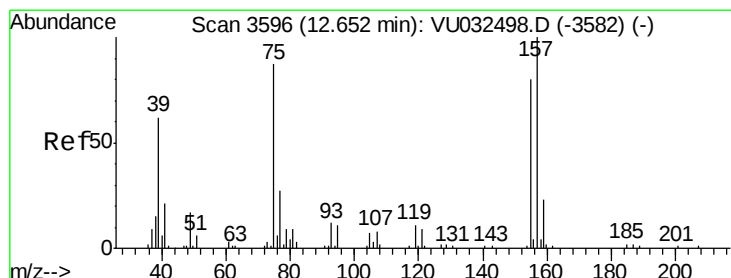
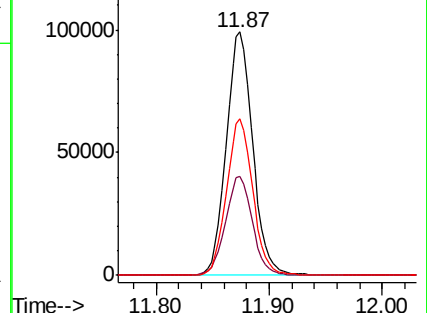
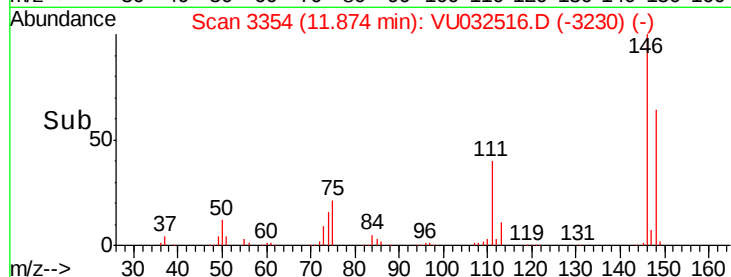
148 64.3 50.5 75.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.679 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

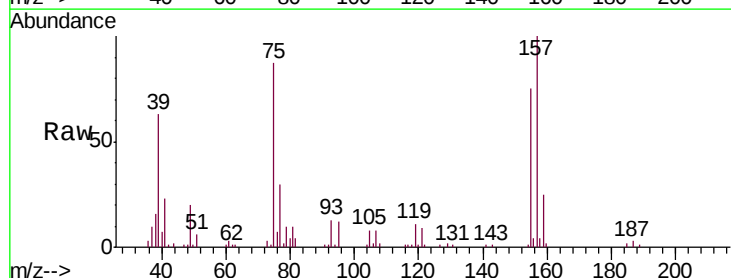
Tgt Ion: 75 Resp: 28814

Ion Ratio Lower Upper

75 100

155 85.9 73.1 109.7

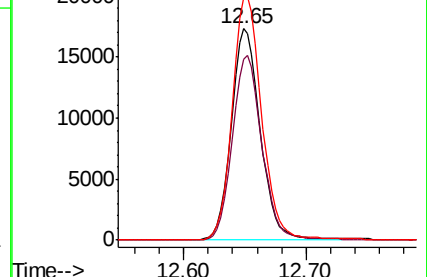
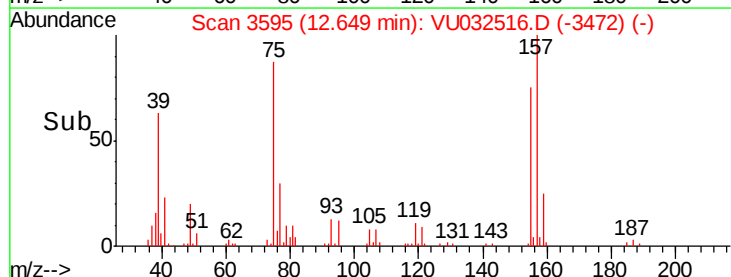
157 114.8 91.4 137.2

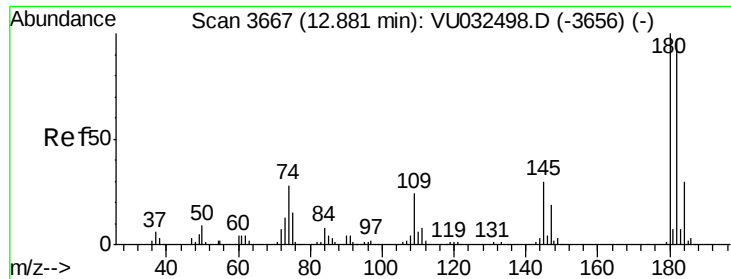


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

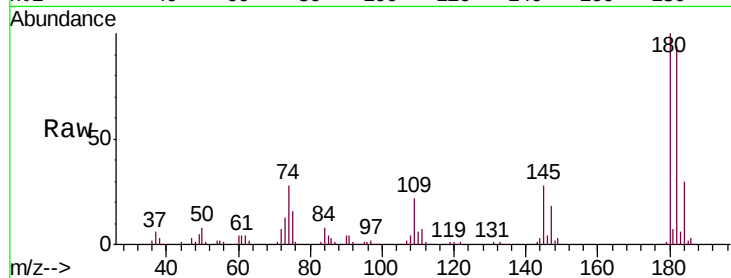




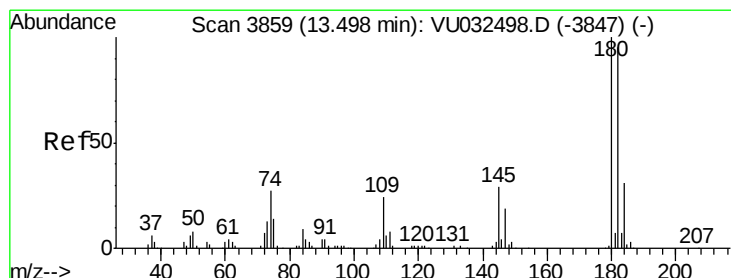
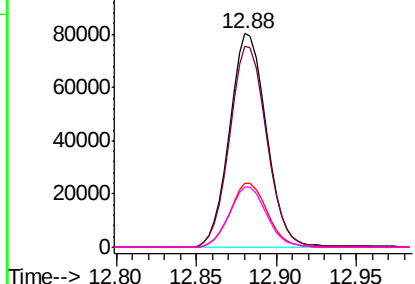
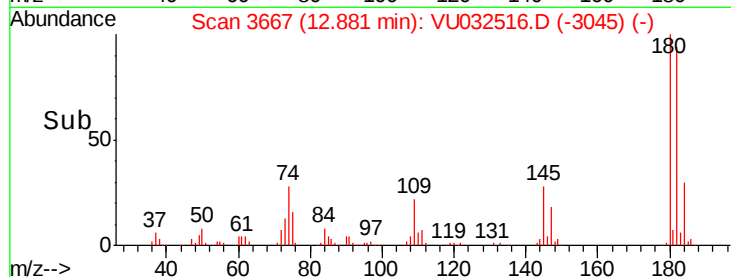
#67
 1,3,5-Trichlorobenzene
 Concen: 50.363 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032516.D
 Acq: 06 Jun 2019 23:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Tgt Ion:	180	Resp:	125997
Ion	Ratio	Lower	Upper
180	100		
182	94.6	78.2	117.4
184	30.4	24.2	36.2
145	28.6	23.9	35.9

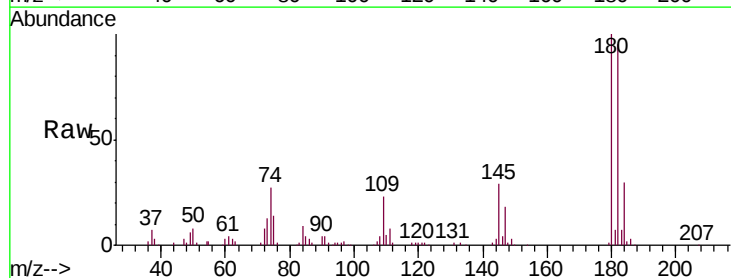


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

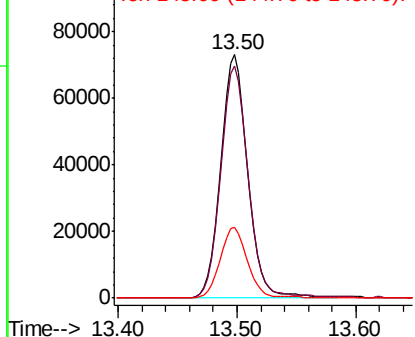
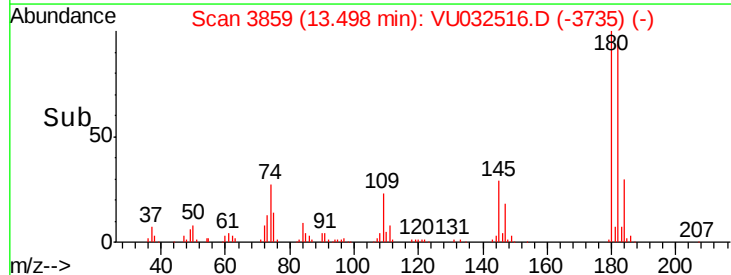


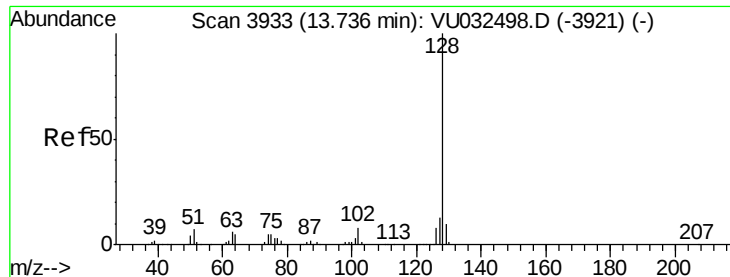
#68
 1,2,4-trichlorobenzene
 Concen: 54.397 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032516.D
 Acq: 06 Jun 2019 23:04

Tgt Ion:	180	Resp:	115292
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.5	114.7
145	29.5	23.8	35.6



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





#69

Naphthalene

Concen: 54.834 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

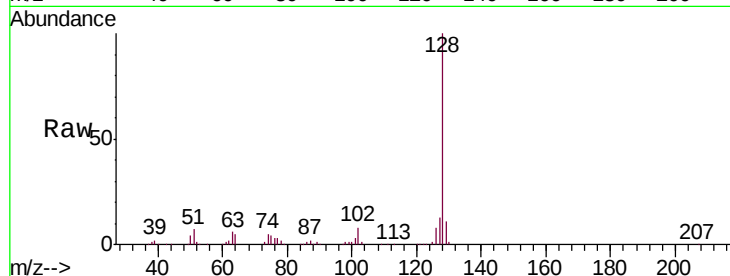
Tgt Ion:128 Resp: 366579

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

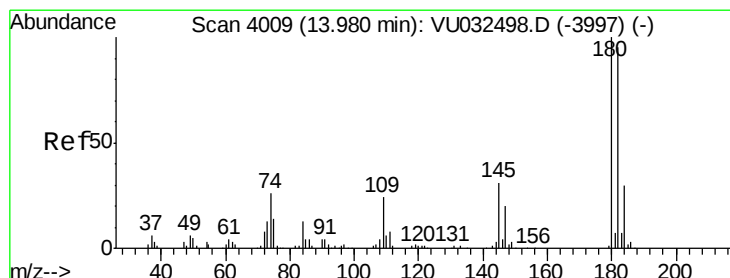
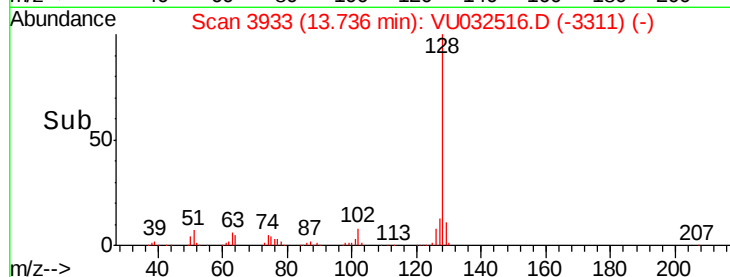
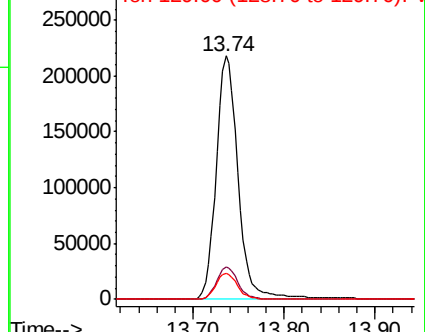
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.667 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032516.D

Acq: 06 Jun 2019 23:04

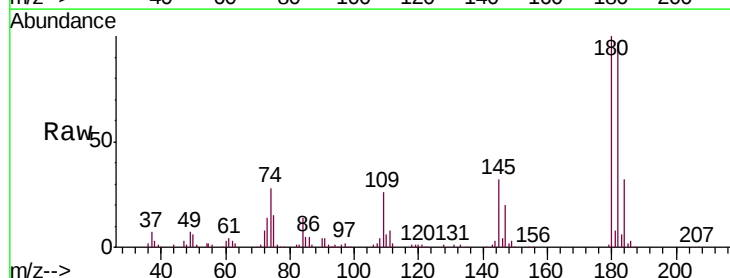
Tgt Ion:180 Resp: 118377

Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

145 31.0 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

