

Data File : VU032539.D
Acq On : 07 Jun 2019 13:44
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

Quant Time: Jun 07 22:23:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 22:19:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	215467	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	200690	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110251	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56037	40.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.18%
7) Chloroethane-d5	1.67	69	47414	42.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.42%
11) 1,1-Dichloroethene-d2	2.27	63	119083	43.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.02%
21) 2-Butanone-d5	4.17	46	110709	94.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.63%
24) Chloroform-d	4.64	84	121330	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.30	65	76058	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
32) Benzene-d6	5.33	84	235682	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.48%
36) 1,2-Dichloropropane-d6	6.32	67	75572	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.52%
41) Toluene-d8	7.56	98	220974	44.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%
43) trans-1,3-Dichloropropene-	7.85	79	36850	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.26%
47) 2-Hexanone-d5	8.31	63	77410	97.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114233	48.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	97898	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	95558	49.194	ug/L 99
3) Chloromethane	1.32	50	87107	46.408	ug/L 100
5) Vinyl chloride	1.40	62	88766	47.342	ug/L 97
6) Bromomethane	1.62	94	44369	39.709	ug/L 99
8) Chloroethane	1.69	64	51213	45.952	ug/L 98
9) Trichlorofluoromethane	1.88	101	122518	48.391	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67048	50.920	ug/L 97
12) 1,1-Dichloroethene	2.28	96	63471	49.644	ug/L 90
13) Acetone	2.32	43	112549	93.241	ug/L 99
14) Carbon disulfide	2.47	76	184093	47.389	ug/L 98
15) Methyl Acetate	2.61	43	81808	47.468	ug/L 99
16) Methylene chloride	2.69	84	70591	48.388	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	67430	48.670	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	222171	48.811	ug/L 100
19) 1,1-Dichloroethane	3.44	63	125137	49.546	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	76468	48.769	ug/L 99
22) 2-Butanone	4.25	43	135446	94.940	ug/L 99

Data File : VU032539.D
Acq On : 07 Jun 2019 13:44
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

Quant Time: Jun 07 22:23:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 22:19:39 2019
Response via : Initial Calibration

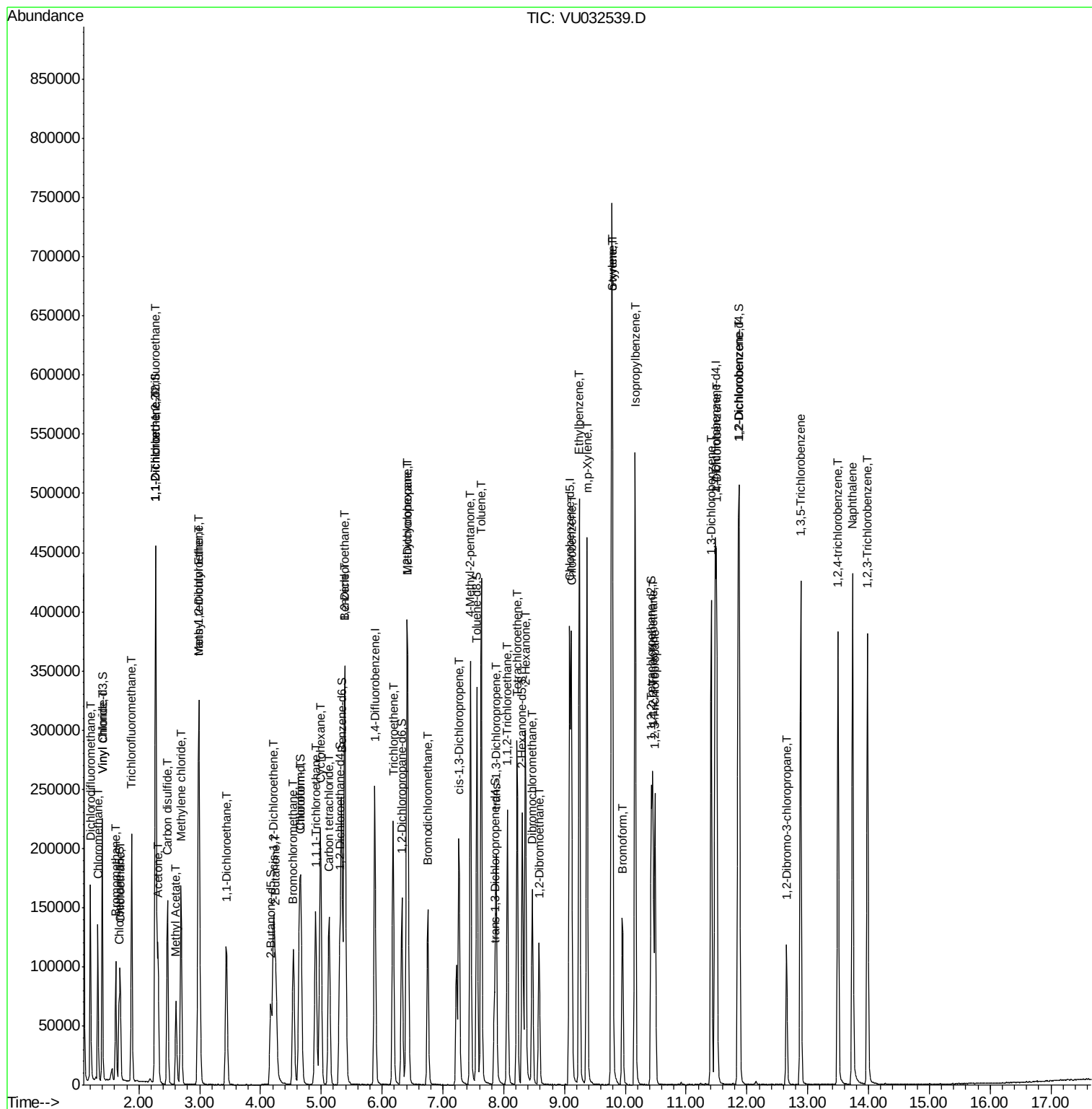
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38554	47.290	ug/L	94
25) Chloroform	4.67	83	127387	48.875	ug/L	100
27) 1,2-Dichloroethane	5.40	62	101244	49.137	ug/L	99
29) Cyclohexane	4.99	56	119219	49.943	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	112637	49.579	ug/L	98
31) Carbon tetrachloride	5.13	117	101945	48.959	ug/L	98
33) Benzene	5.38	78	280177	49.688	ug/L	100
34) Trichloroethene	6.18	95	74061	48.277	ug/L	99
35) Methylcyclohexane	6.41	83	125341	50.469	ug/L	99
37) 1,2-Dichloropropane	6.42	63	74011	49.514	ug/L	100
38) Bromodichloromethane	6.75	83	95800	49.774	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	120857	51.246	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	237315	98.687	ug/L	100
42) Toluene	7.63	91	305775	49.515	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	107889	51.541	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	69774	49.362	ug/L	97
46) Tetrachloroethene	8.22	164	63820	50.370	ug/L	98
48) 2-Hexanone	8.36	43	194180	98.314	ug/L	99
49) Dibromochloromethane	8.47	129	82076	49.956	ug/L	100
50) 1,2-Dibromoethane	8.58	107	78823	49.542	ug/L	97
51) Chlorobenzene	9.11	112	198626	49.924	ug/L	100
52) Ethylbenzene	9.24	91	344358	50.027	ug/L	100
53) m,p-Xylene	9.37	106	130100	49.705	ug/L	99
54) o-xylene	9.77	106	128655	49.505	ug/L	97
55) Styrene	9.79	104	218038	50.256	ug/L	99
56) Isopropylbenzene	10.16	105	341415	49.822	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	120524	49.889	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	96598	49.712	ug/L	99
61) Bromoform	9.95	173	62884	47.839	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	165541	49.629	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	163980	48.086	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	164822	48.875	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	28168	49.646	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	132183	50.935	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	119939	54.554	ug/L	99
69) Naphthalene	13.74	128	357243	51.515	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	123291	53.884	ug/L	98

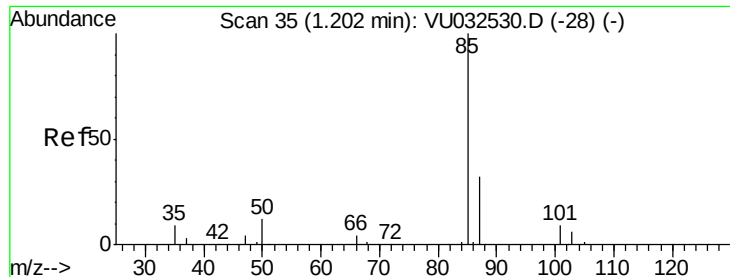
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU032539.D
Acq On : 07 Jun 2019 13:44
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

Quant Time: Jun 07 22:23:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 22:19:39 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.194 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

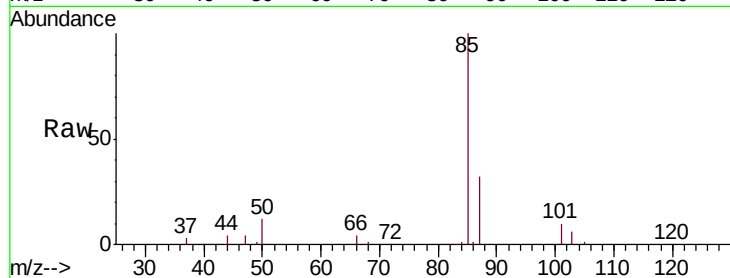
VSTD05037

Tgt Ion: 85 Resp: 95558

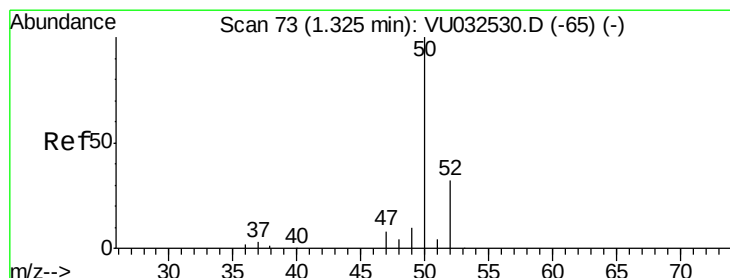
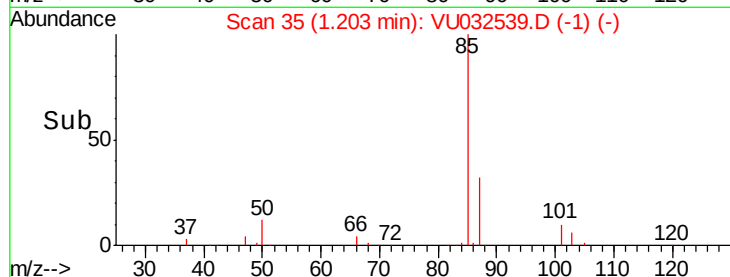
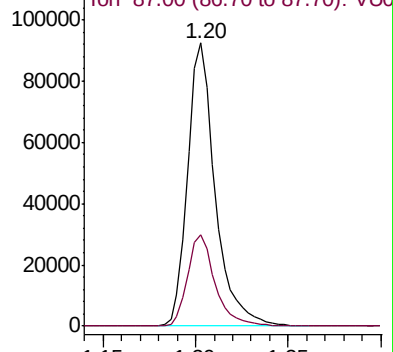
Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032539.D (-1) (-)



#3

Chloromethane

Concen: 46.408 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032539.D

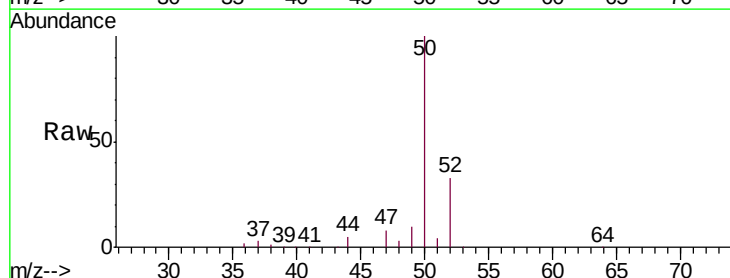
Acq: 07 Jun 2019 13:44

Tgt Ion: 50 Resp: 87107

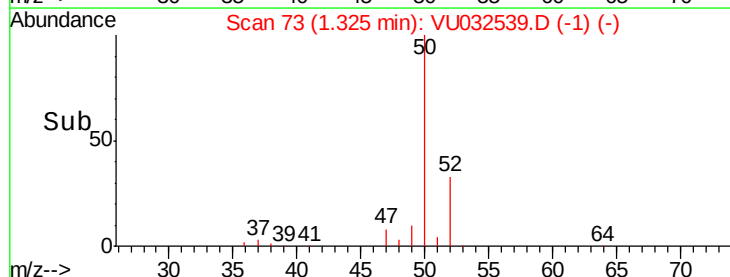
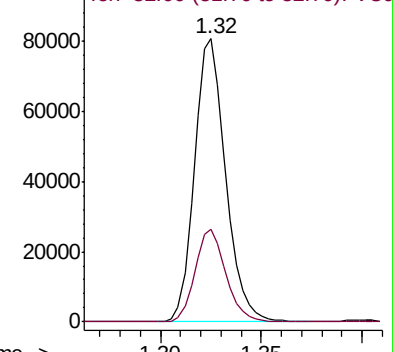
Ion Ratio Lower Upper

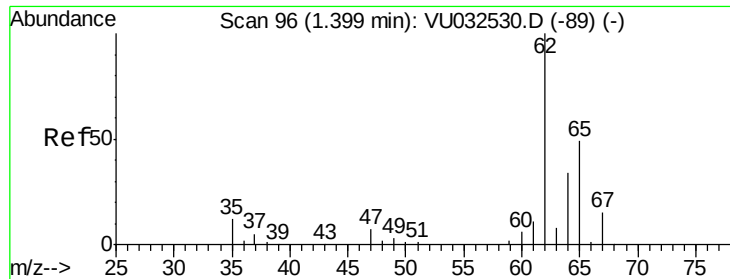
50 100

52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032539.D (-1) (-)





#5

Vinyl chloride

Concen: 47.342 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

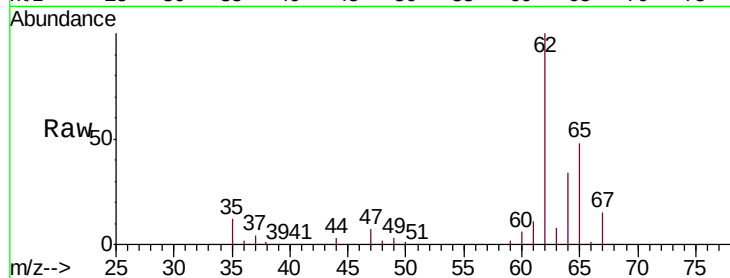
VSTD05037

Tgt Ion: 62 Resp: 88766

Ion Ratio Lower Upper

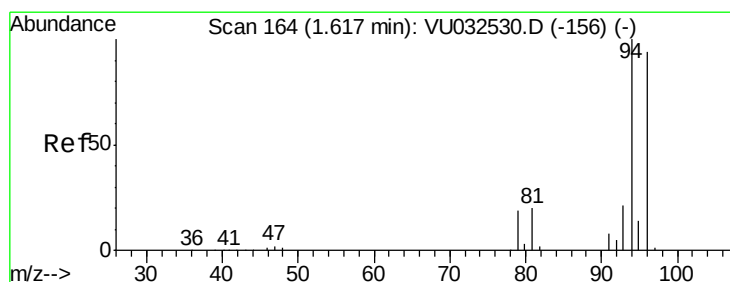
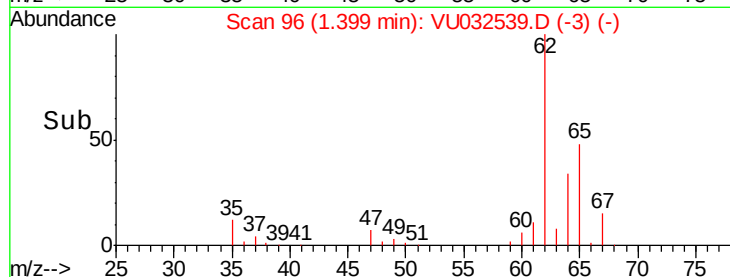
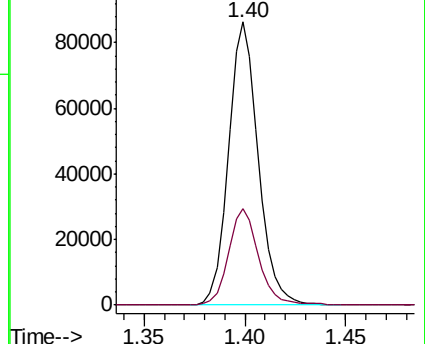
62 100

64 34.1 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032539.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032539.D (-89) (-)



#6

Bromomethane

Concen: 39.709 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032539.D

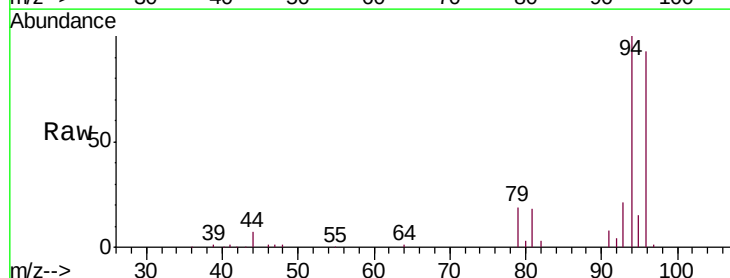
Acq: 07 Jun 2019 13:44

Tgt Ion: 94 Resp: 44369

Ion Ratio Lower Upper

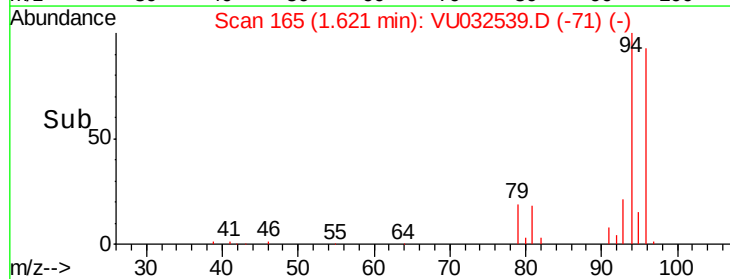
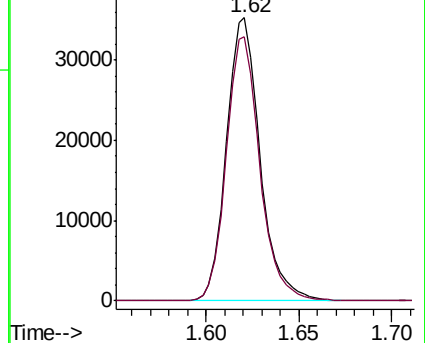
94 100

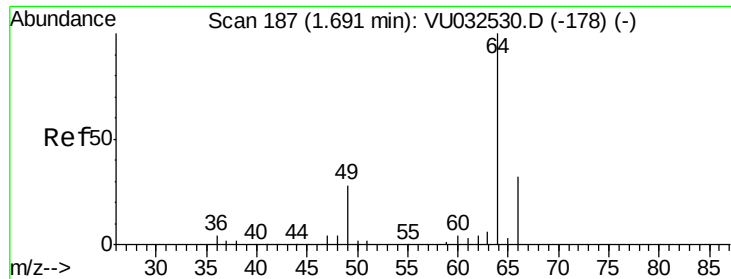
96 93.3 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032539.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032539.D (-156) (-)





#8

Chloroethane

Concen: 45.952 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

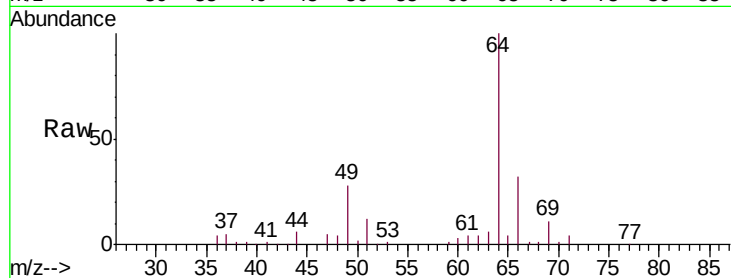
VSTD05037

Tgt Ion: 64 Resp: 51213

Ion Ratio Lower Upper

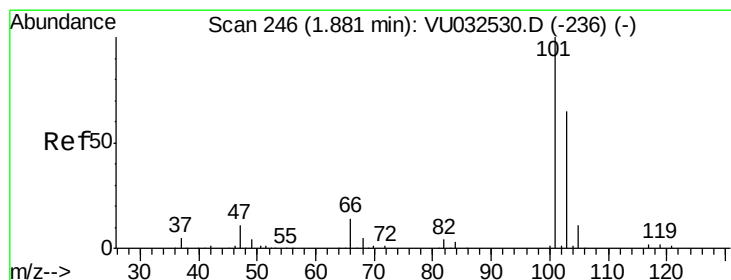
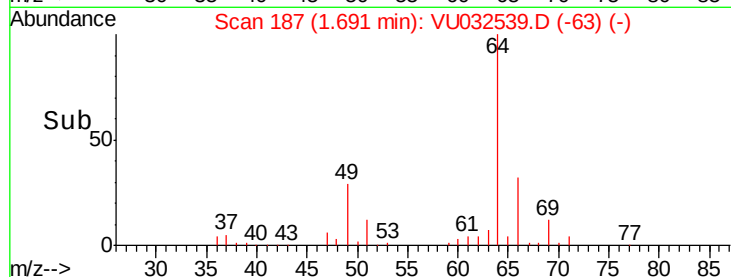
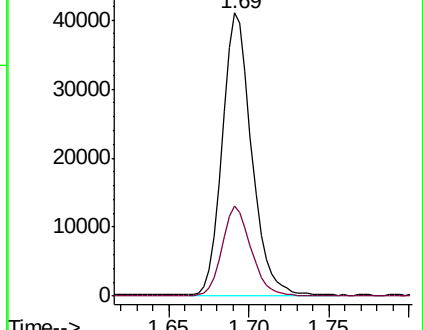
64 100

66 31.6 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032539.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032539.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 48.391 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032539.D

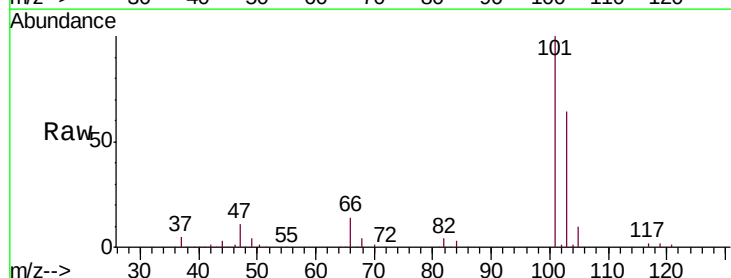
Acq: 07 Jun 2019 13:44

Tgt Ion: 101 Resp: 122518

Ion Ratio Lower Upper

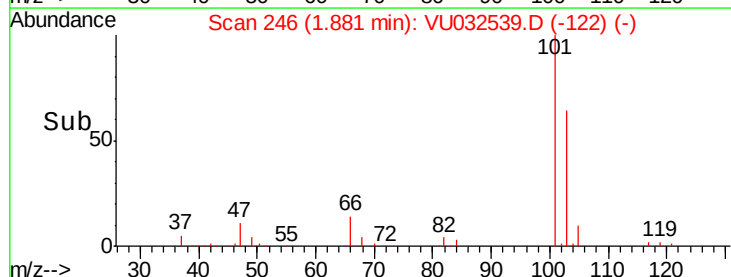
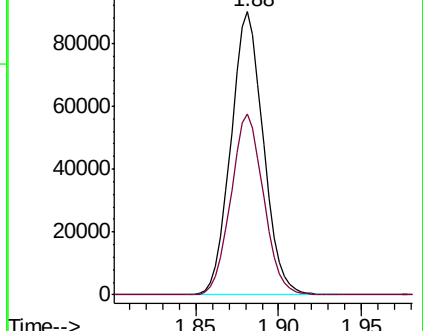
101 100

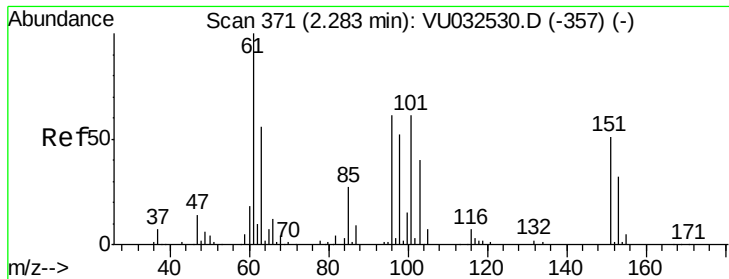
103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032539.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU032539.D (-236) (-)





#10

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

Concen: 50.920 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

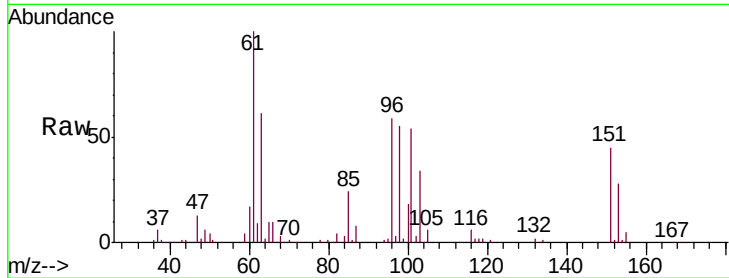
Tgt Ion: 101 Resp: 67048

Ion Ratio Lower Upper

101 100

85 45.5 36.1 54.1

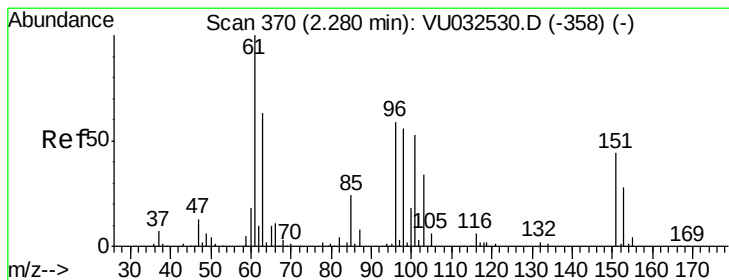
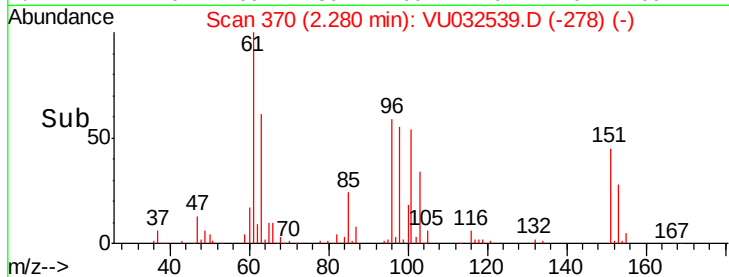
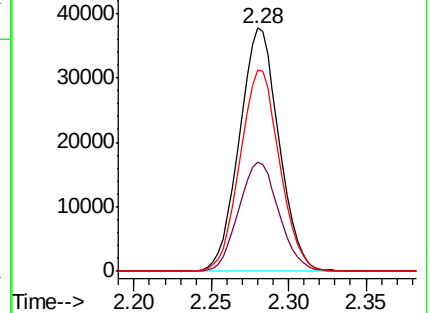
151 82.9 63.0 94.4



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: 49.644 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

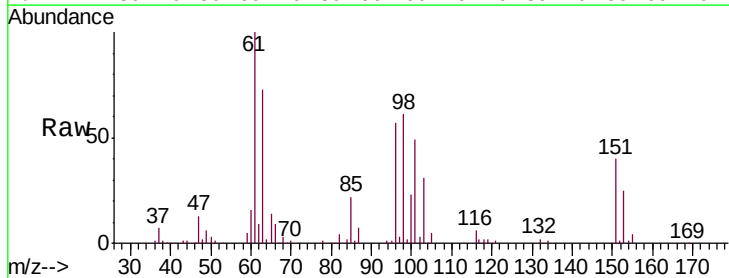
Tgt Ion: 96 Resp: 63471

Ion Ratio Lower Upper

96 100

61 176.1 129.5 240.5

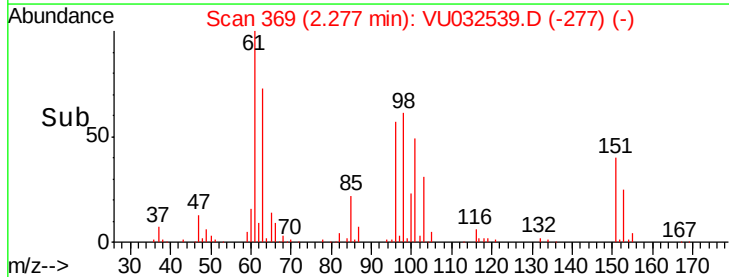
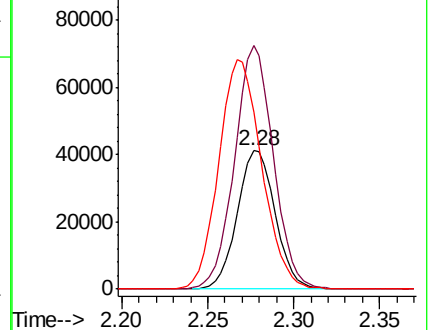
63 128.4 103.4 192.0

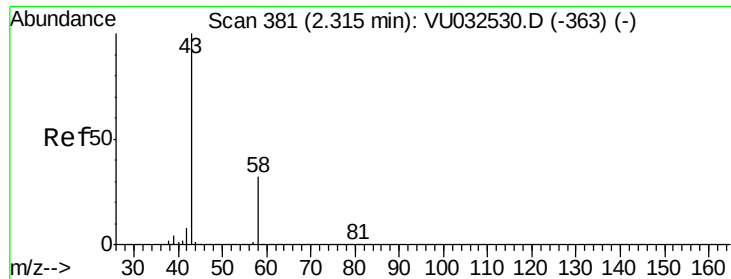


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.241 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

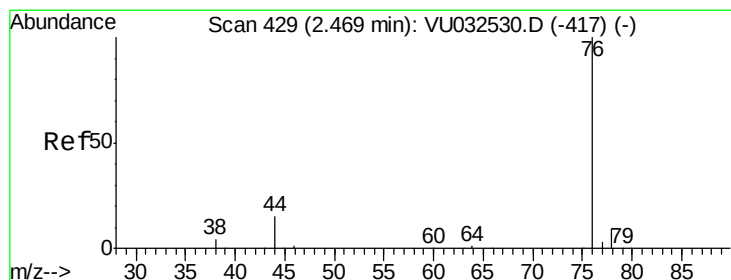
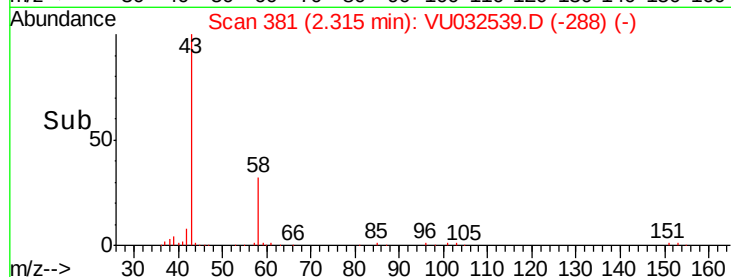
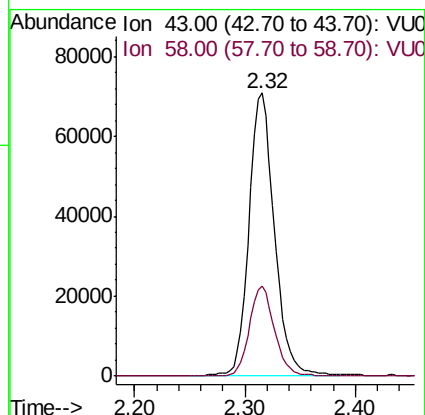
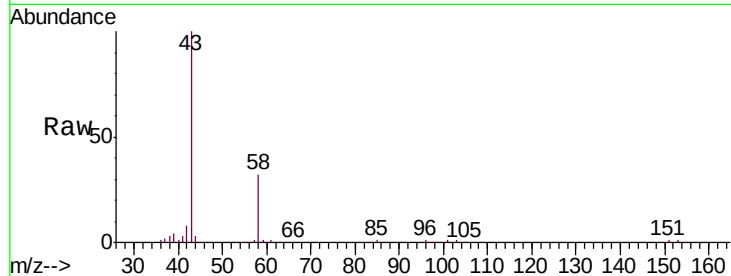
VSTD05037

Tgt Ion: 43 Resp: 112549

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.0



#14

Carbon disulfide

Concen: 47.389 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032539.D

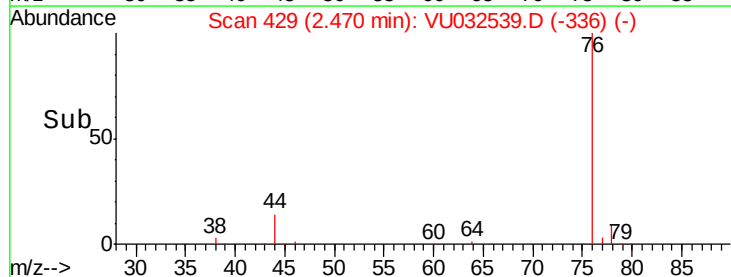
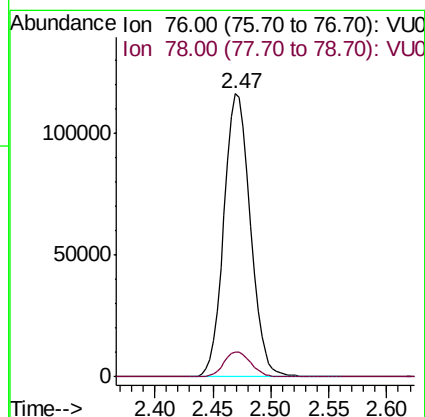
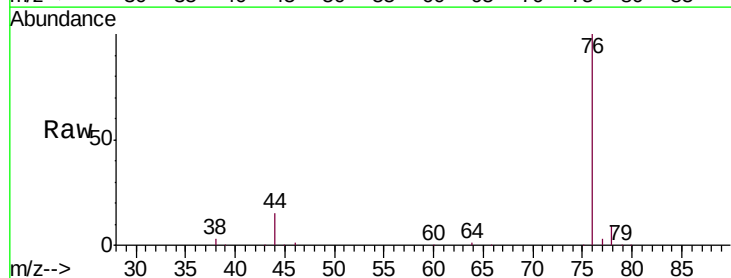
Acq: 07 Jun 2019 13:44

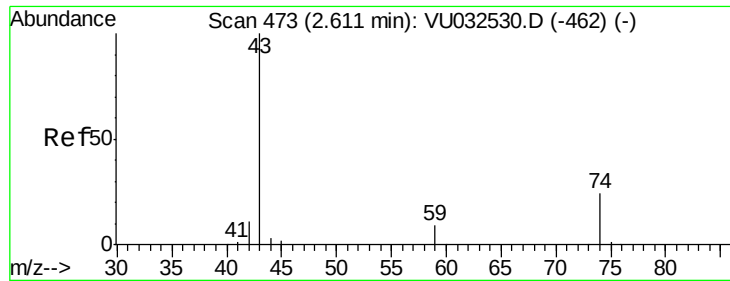
Tgt Ion: 76 Resp: 184093

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4

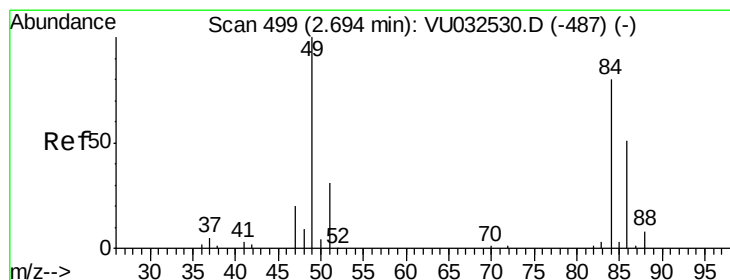
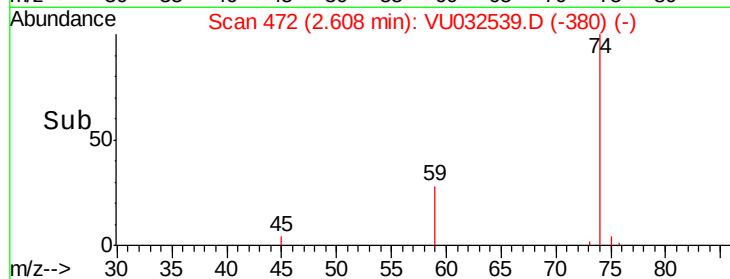
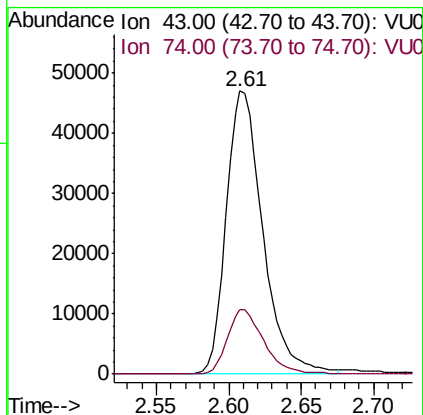
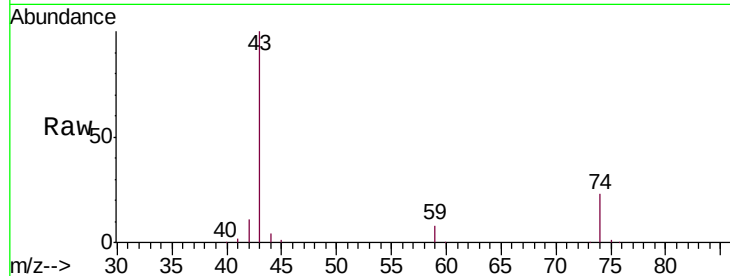




#15
Methyl Acetate
Concen: 47.468 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

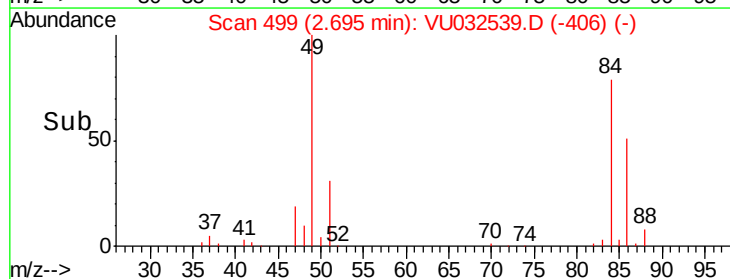
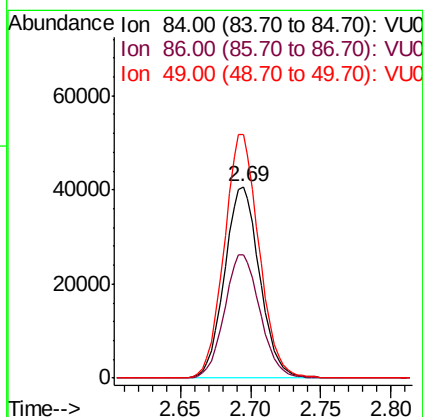
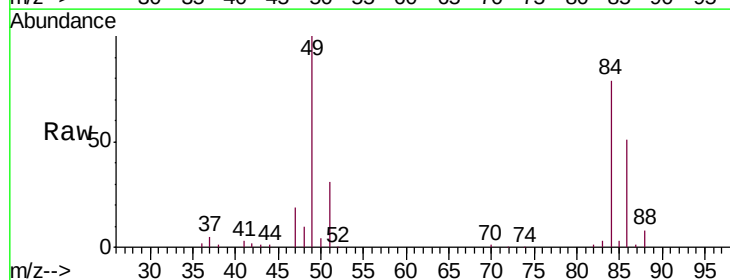
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

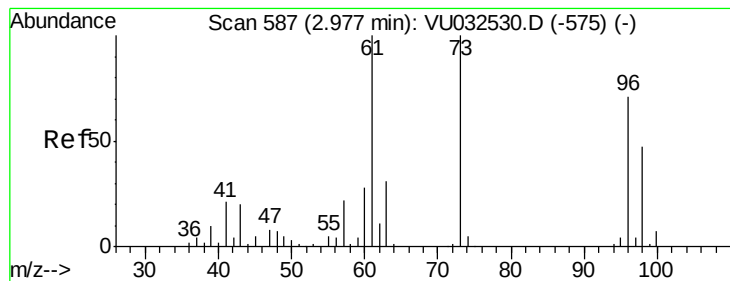
Tgt Ion: 43 Resp: 81808
Ion Ratio Lower Upper
43 100
74 22.8 18.0 27.0



#16
Methylene chloride
Concen: 48.388 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

Tgt Ion: 84 Resp: 70591
Ion Ratio Lower Upper
84 100
86 64.7 44.7 82.9
49 127.1 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 48.670 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

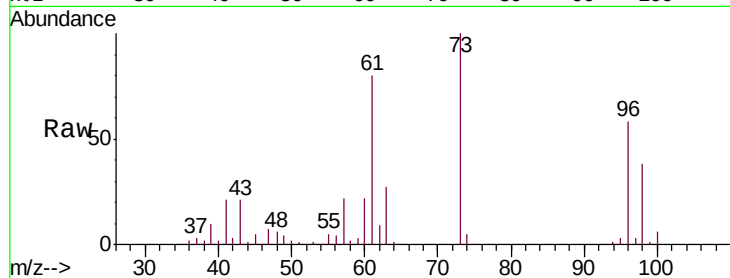
Tgt Ion: 96 Resp: 67430

Ion Ratio Lower Upper

96 100

61 138.5 95.7 177.7

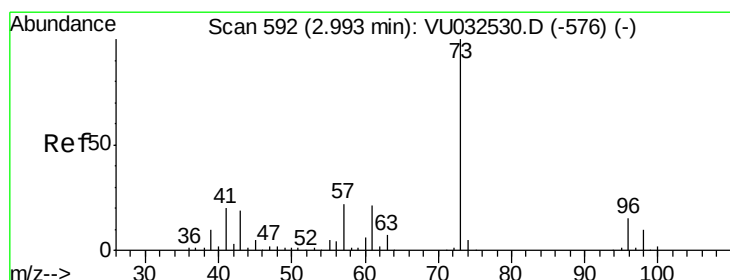
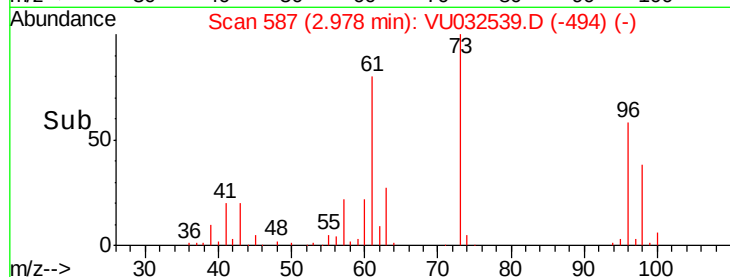
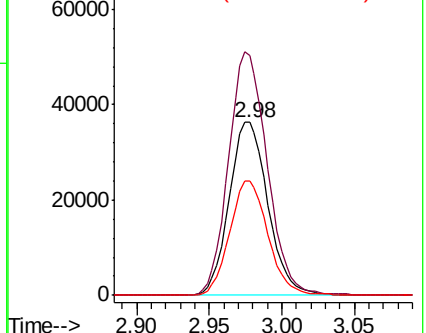
98 66.5 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032539.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU032539.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU032539.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 48.811 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

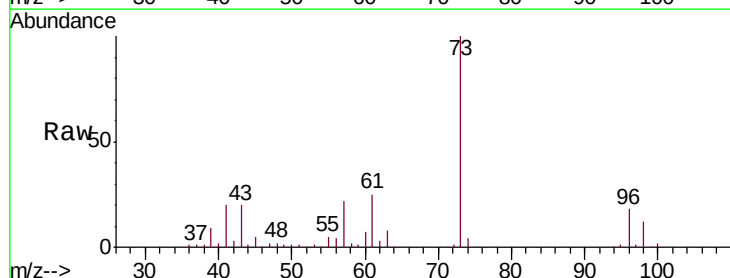
Tgt Ion: 73 Resp: 222171

Ion Ratio Lower Upper

73 100

43 20.0 15.8 23.6

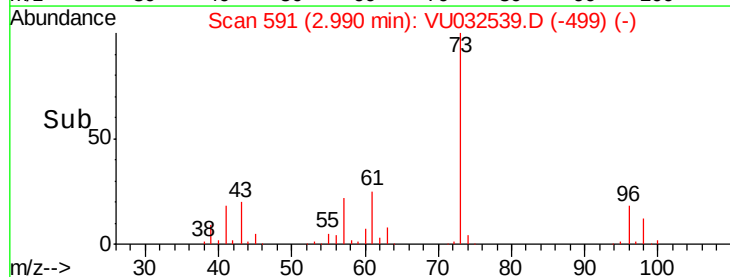
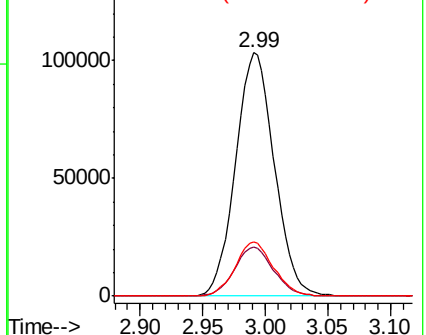
57 22.0 17.6 26.4

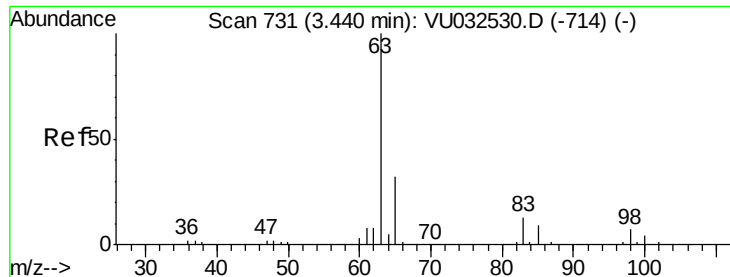


Abundance Ion 73.00 (72.70 to 73.70): VU032539.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU032539.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU032539.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 49.546 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

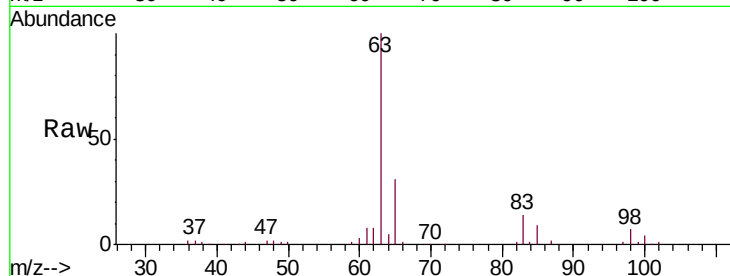
Tgt Ion: 63 Resp: 125137

Ion Ratio Lower Upper

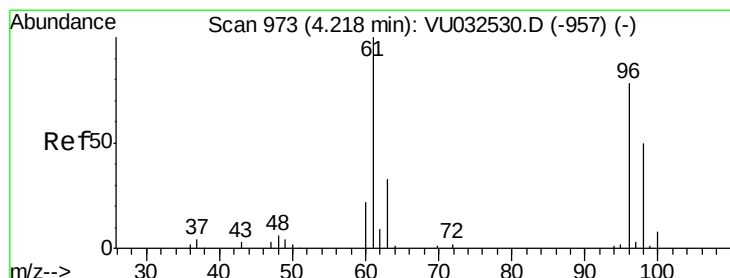
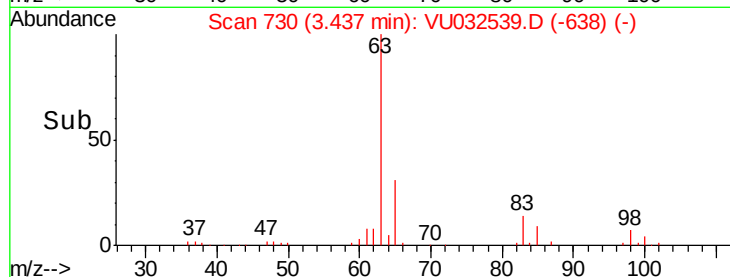
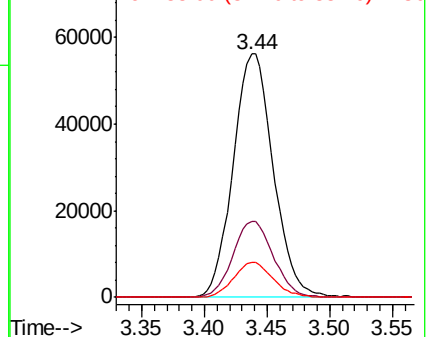
63 100

65 31.4 21.8 40.6

83 14.3 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: 48.769 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

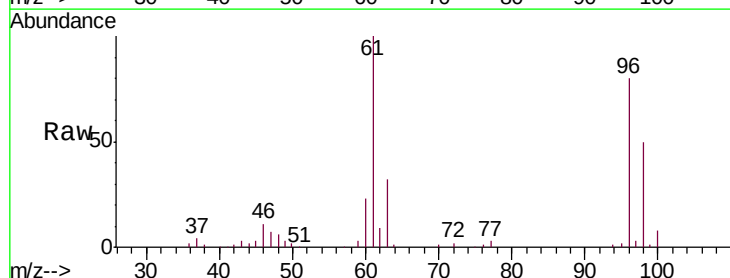
Tgt Ion: 96 Resp: 76468

Ion Ratio Lower Upper

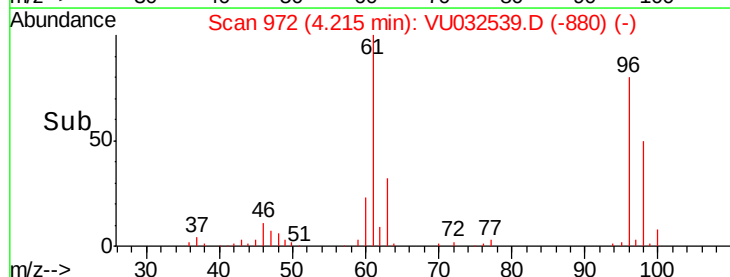
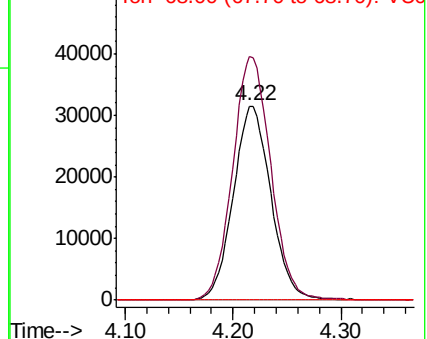
96 100

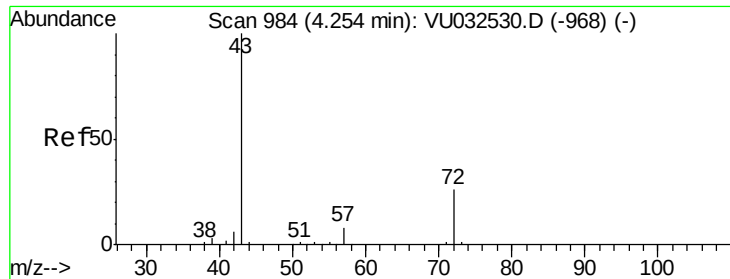
61 125.4 87.2 162.0

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: 94.940 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

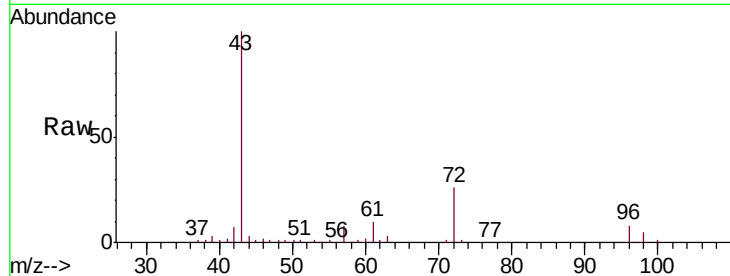
VSTD05037

Tgt Ion: 43 Resp: 135446

Ion Ratio Lower Upper

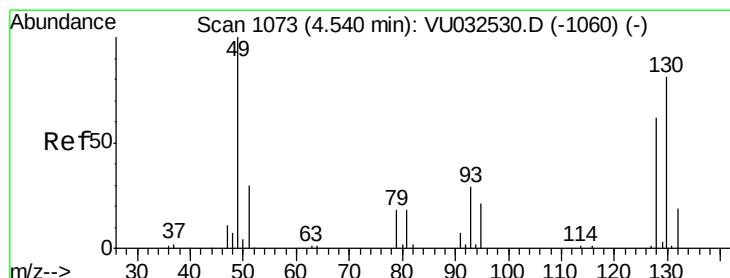
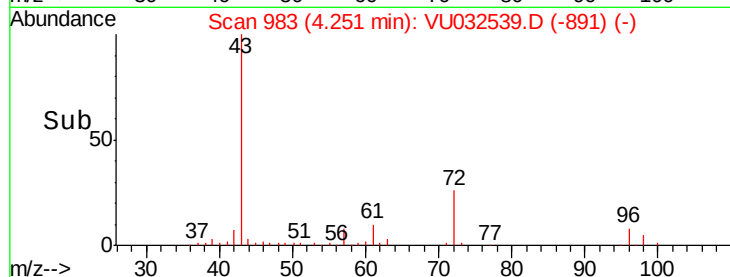
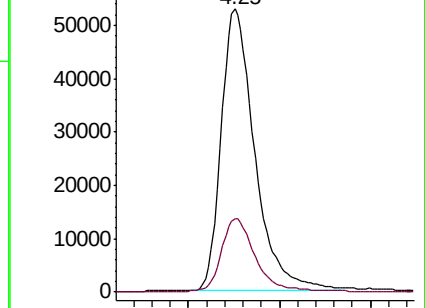
43 100

72 26.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032539.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU032539.D (-968) (-)



#23

Bromochloromethane

Concen: 47.290 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Tgt Ion: 128 Resp: 38554

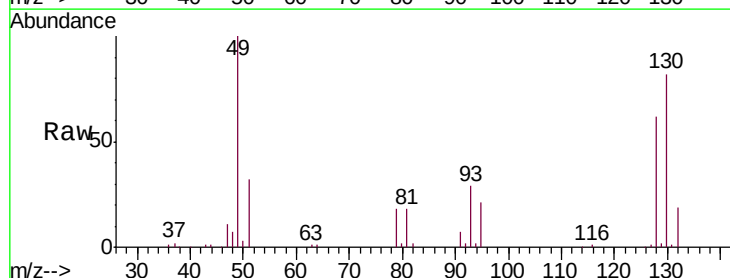
Ion Ratio Lower Upper

128 100

49 162.0 103.7 192.5

130 132.6 92.2 171.2

51 51.4 37.7 56.5

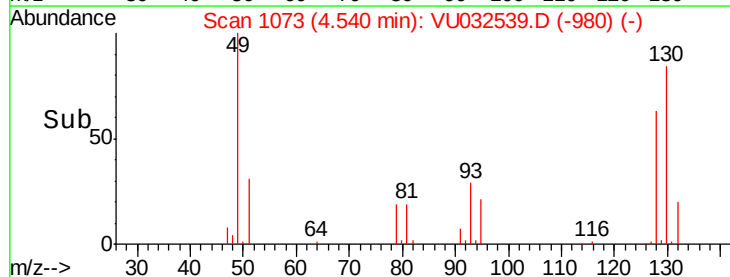
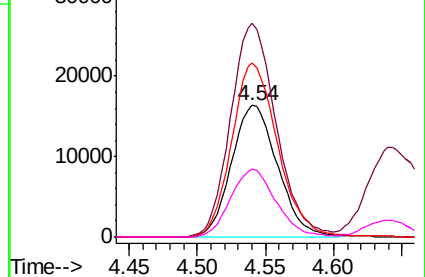


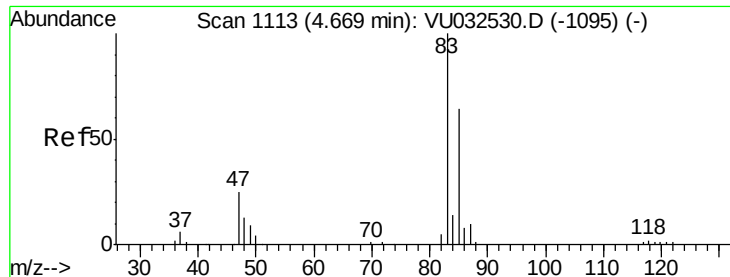
Abundance Ion 128.00 (127.70 to 128.70): VU032539.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VU032539.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VU032539.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VU032539.D (-980) (-)

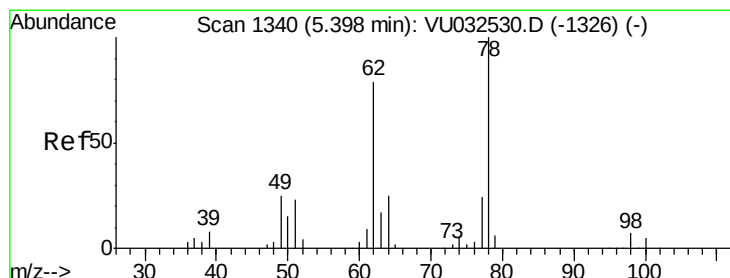
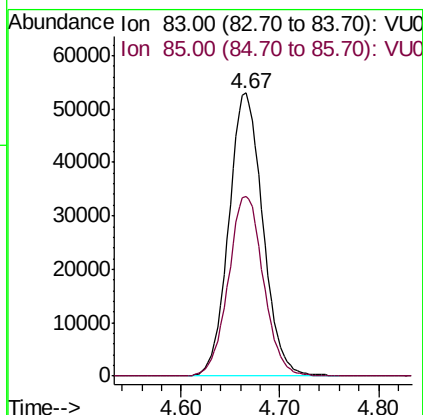
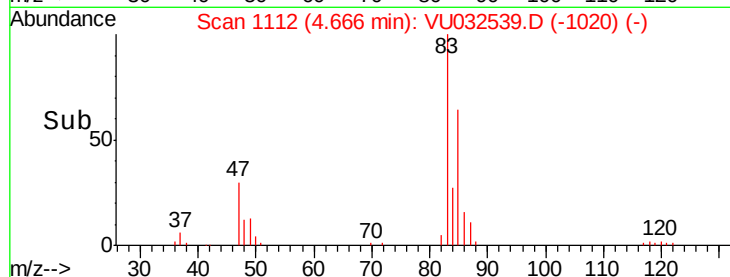
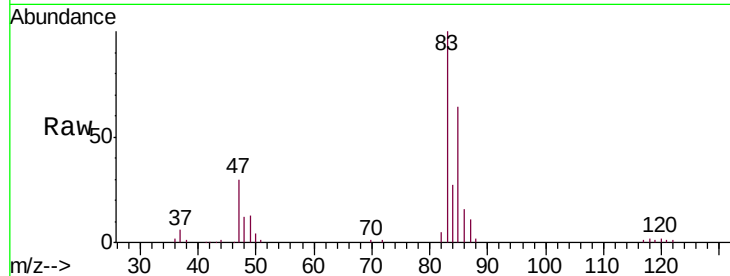




#25
Chloroform
Concen: 48.875 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

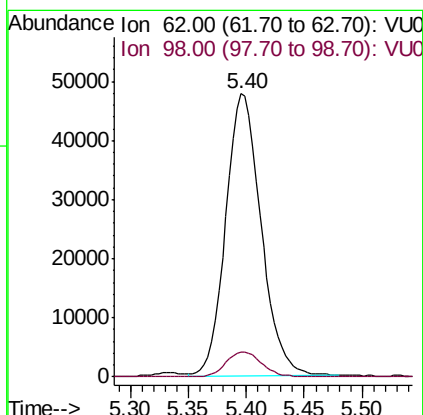
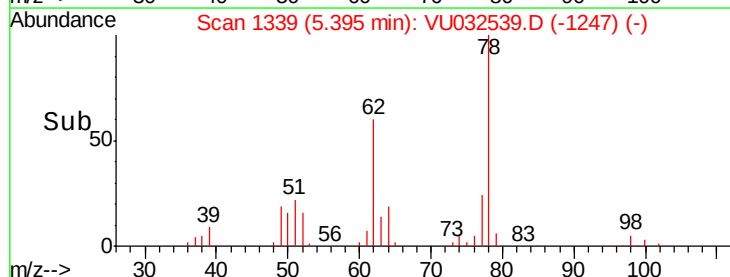
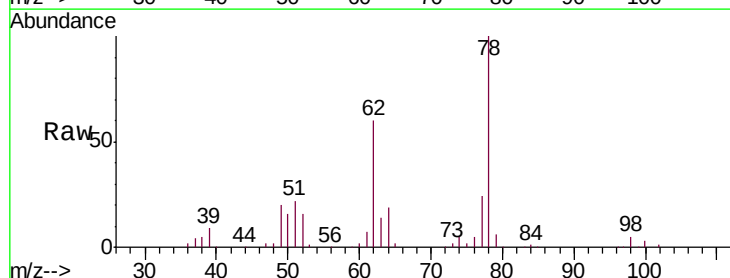
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

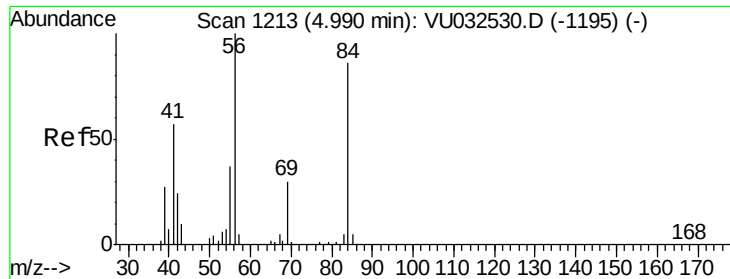
Tgt Ion: 83 Resp: 127387
Ion Ratio Lower Upper
83 100
85 63.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 49.137 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

Tgt Ion: 62 Resp: 101244
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8

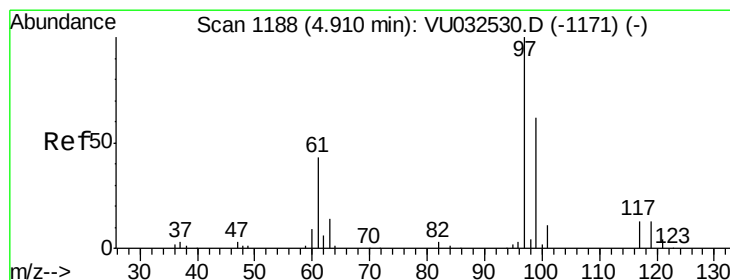
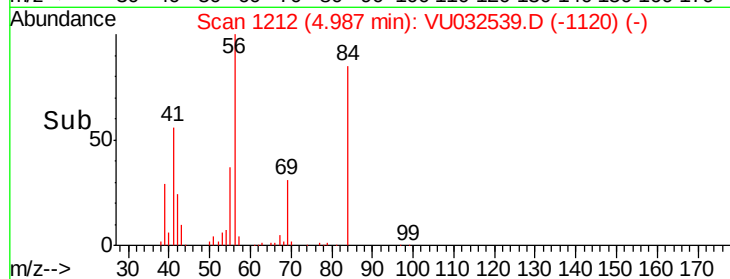
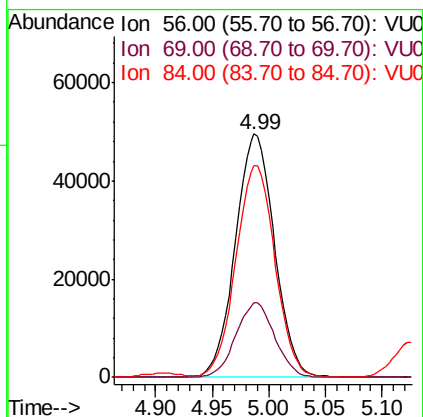
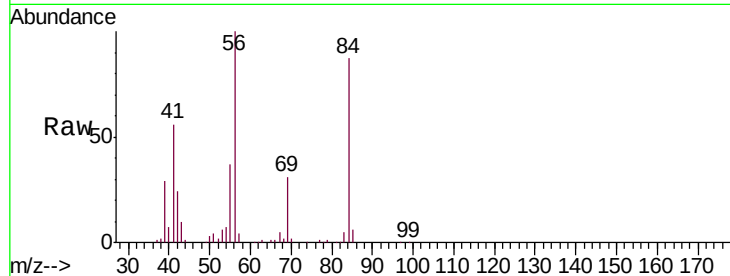




#29
Cyclohexane
Concen: 49.943 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

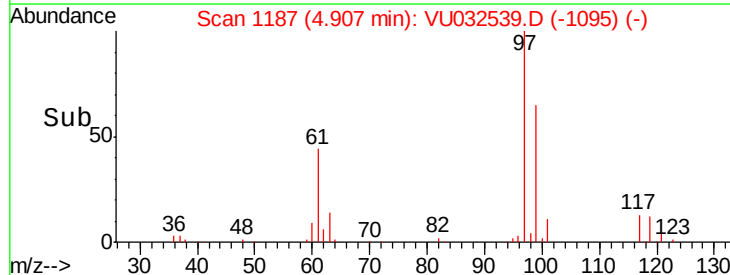
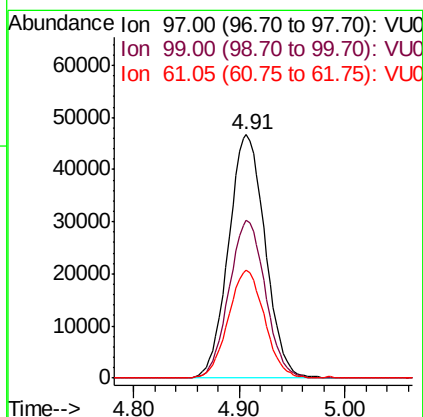
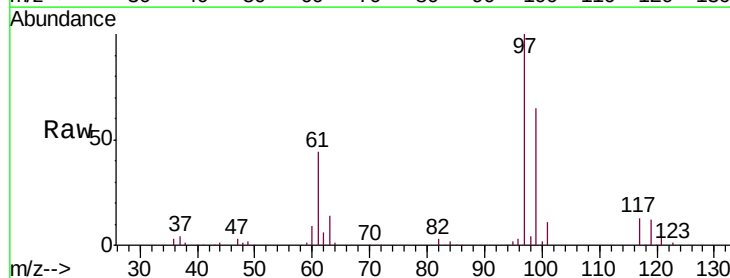
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

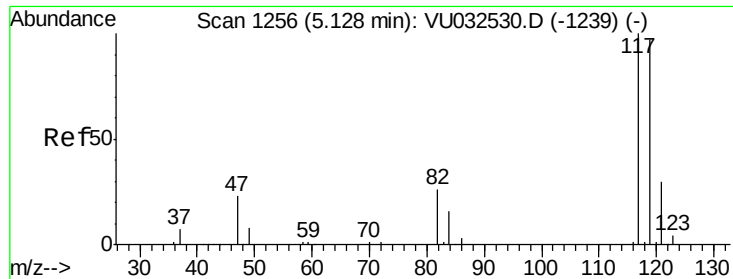
Tgt Ion: 56 Resp: 119219
Ion Ratio Lower Upper
56 100
69 30.4 24.7 37.1
84 86.8 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 49.579 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

Tgt Ion: 97 Resp: 112637
Ion Ratio Lower Upper
97 100
99 64.0 50.5 75.7
61 43.8 33.8 50.6





#31

Carbon tetrachloride

Concen: 48.959 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

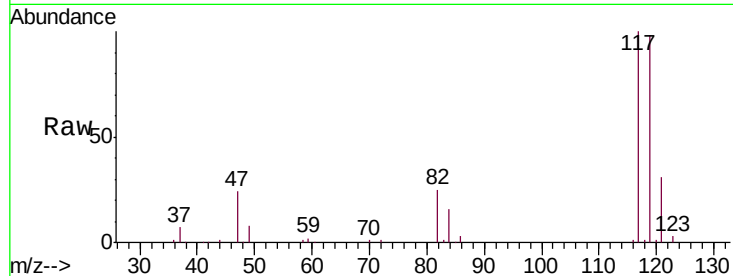
VSTD05037

Tgt Ion:117 Resp: 101945

Ion Ratio Lower Upper

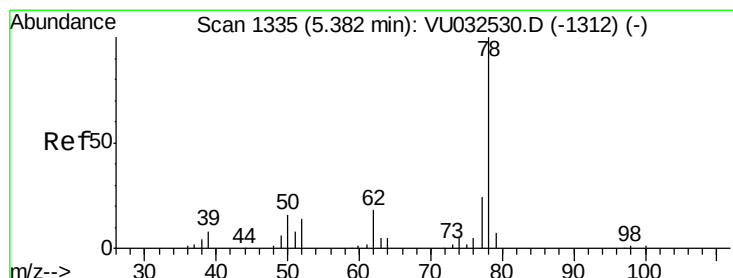
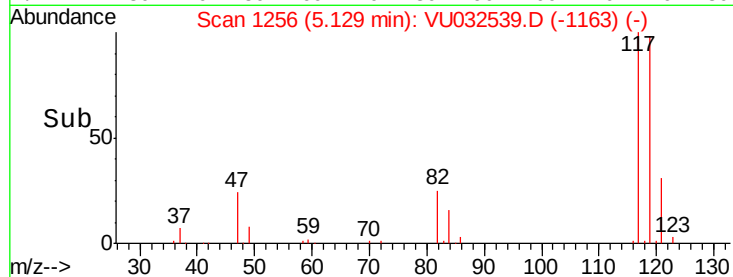
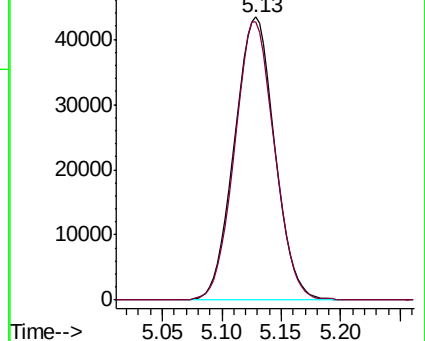
117 100

119 97.3 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: 49.688 ug/L

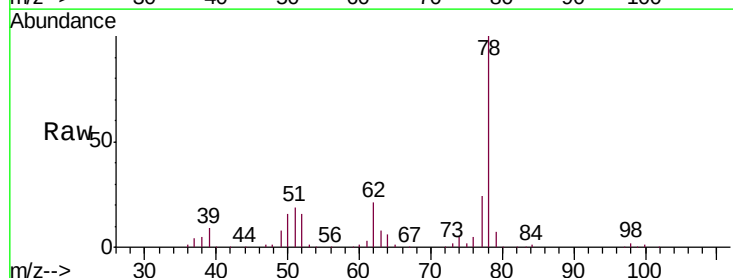
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Tgt Ion: 78 Resp: 280177



Abundance Ion 78.00 (77.70 to 78.70): VU0

150000

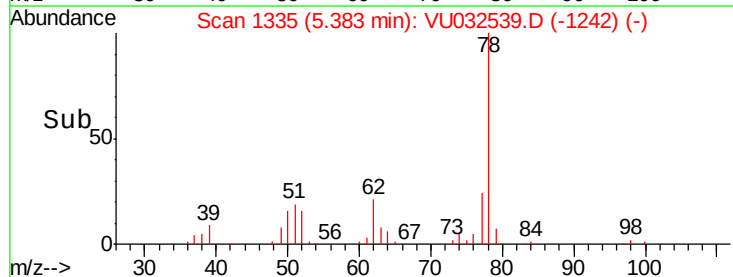
100000

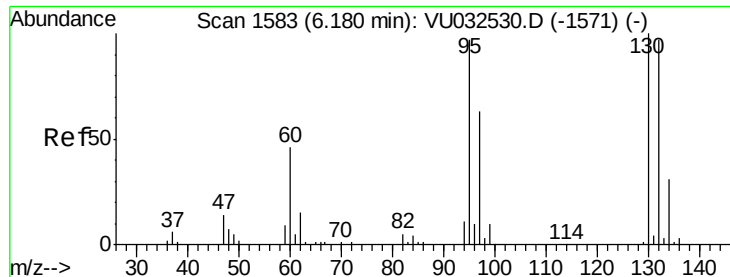
50000

0

5.30 5.40 5.50

Time-->





#34

Trichloroethene

Concen: 48.277 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

Tgt Ion: 95 Resp: 74061

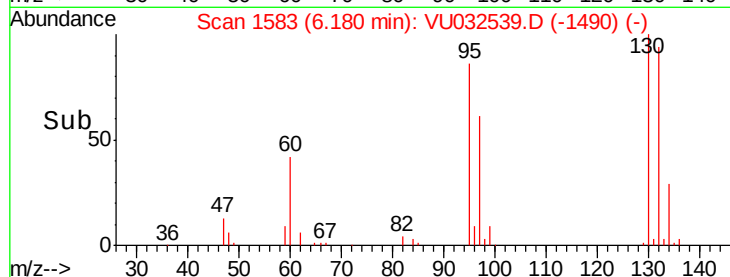
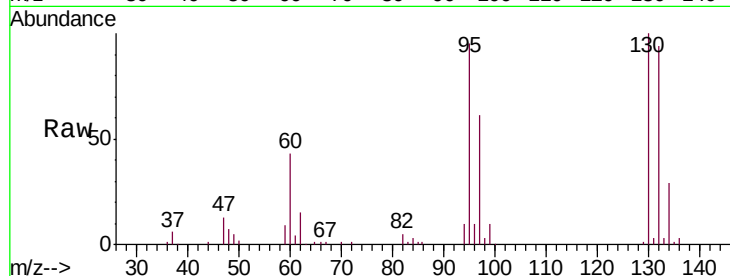
Ion Ratio Lower Upper

95 100

97 64.1 45.8 85.2

132 99.5 71.0 131.8

130 105.7 73.4 136.2

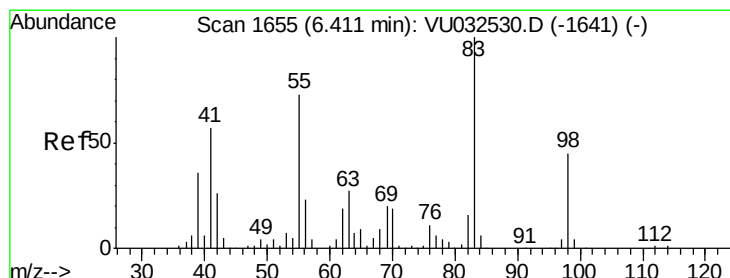
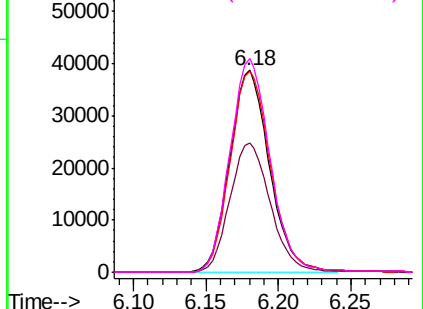


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.469 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

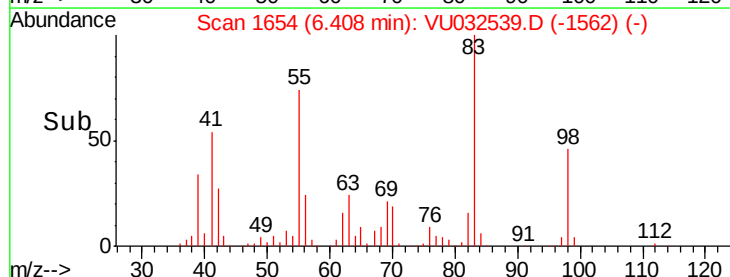
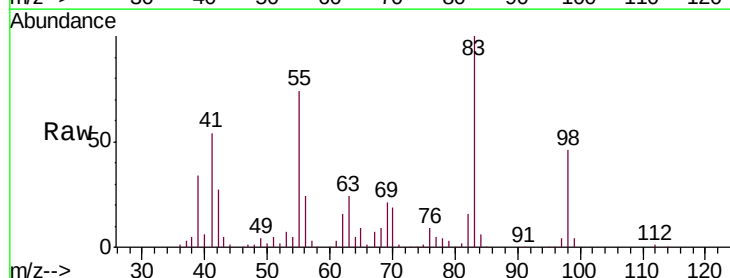
Tgt Ion: 83 Resp: 125341

Ion Ratio Lower Upper

83 100

55 74.7 60.2 90.4

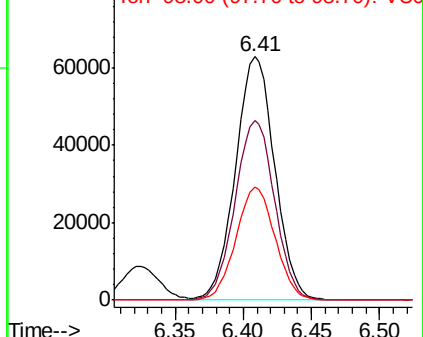
98 46.3 37.4 56.2

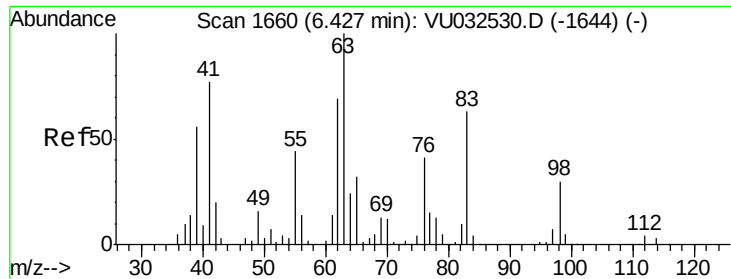


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

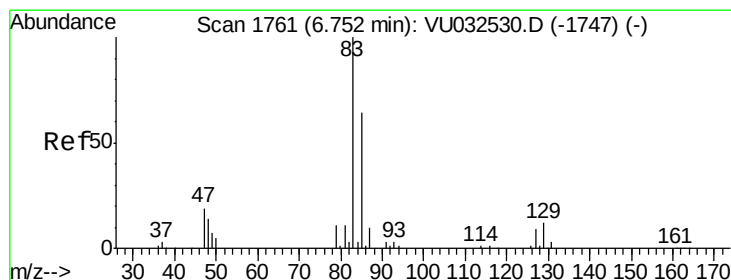
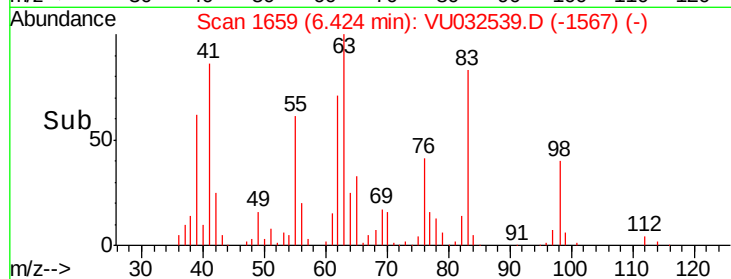
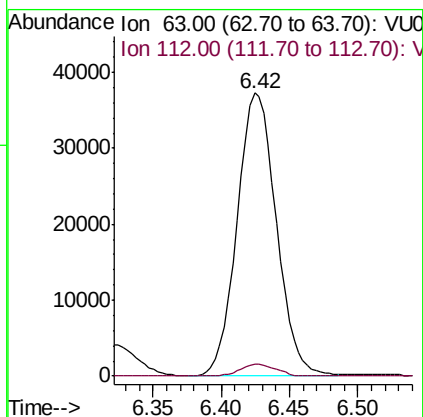
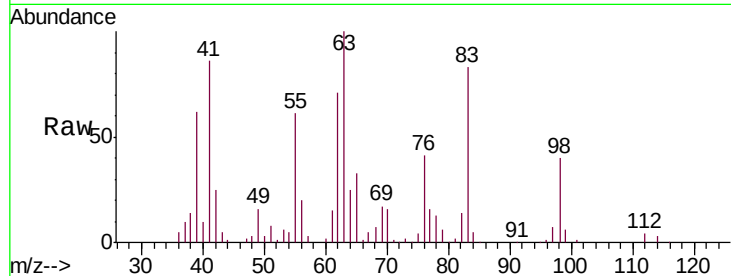




#37
 1,2-Dichloropropane
 Concen: 49.514 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

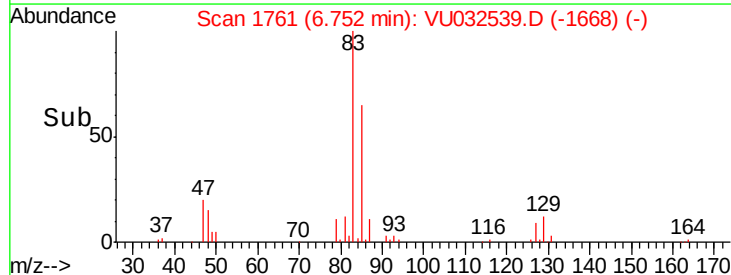
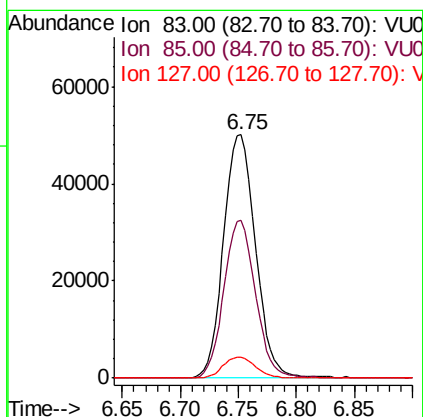
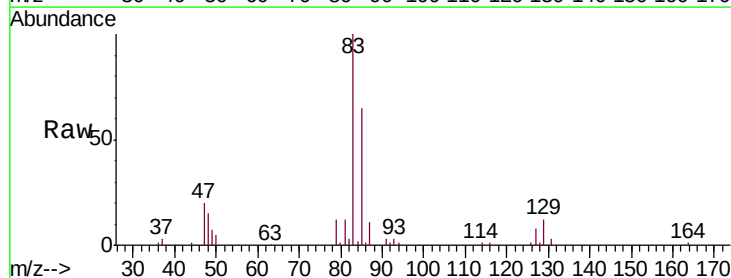
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

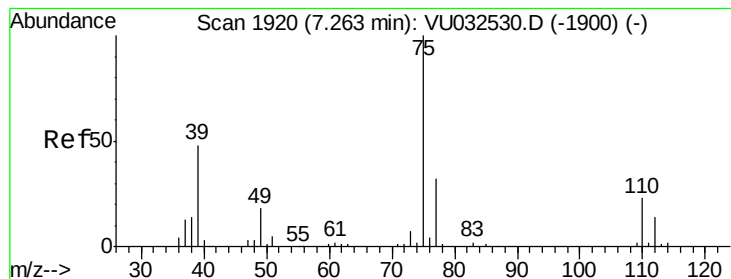
Tgt Ion: 63 Resp: 74011
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.774 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Tgt Ion: 83 Resp: 95800
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.4 84.4
 127 8.5 7.4 11.2



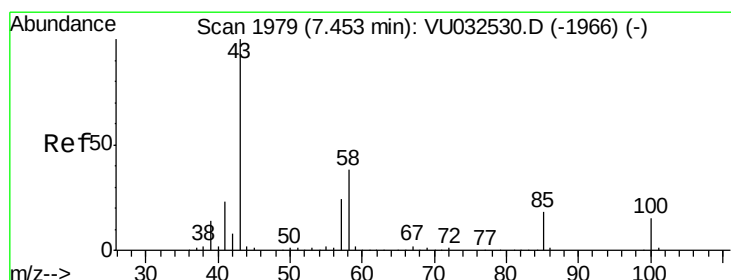
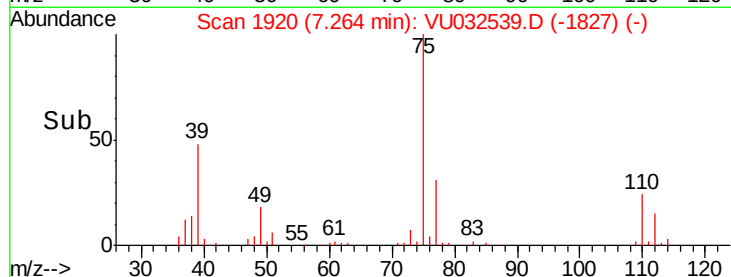
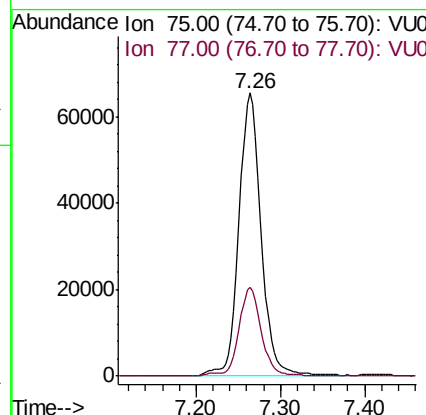
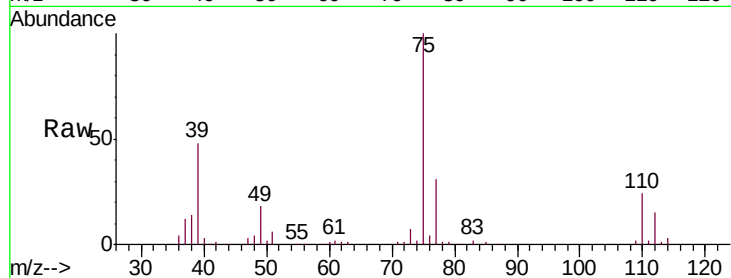


#39

cis-1,3-Dichloropropene
 Concen: 51.246 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

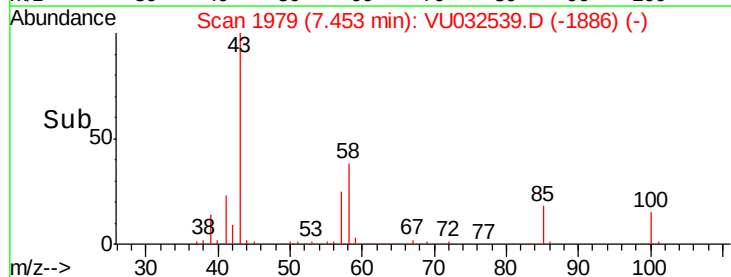
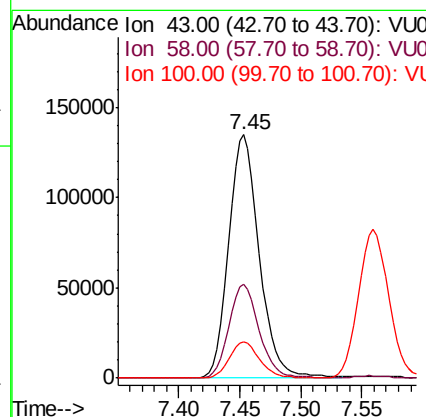
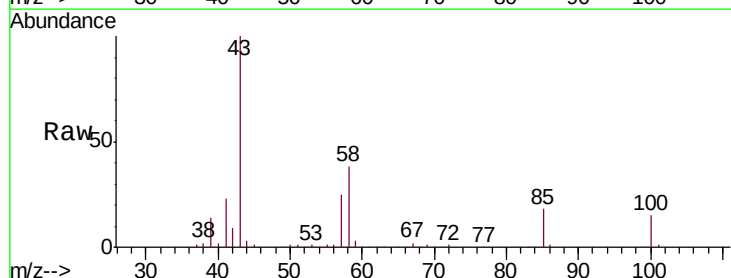
Tgt Ion: 75 Resp: 120857
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0

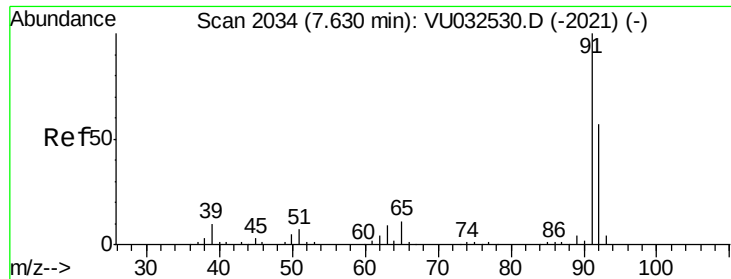


#40

4-Methyl-2-pentanone
 Concen: 98.687 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Tgt Ion: 43 Resp: 237315
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2
 100 14.8 12.1 18.1





#42

Toluene

Concen: 49.515 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

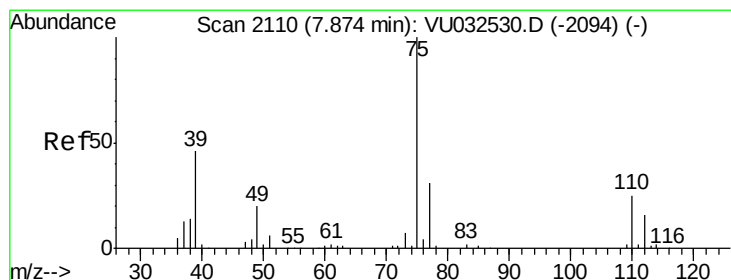
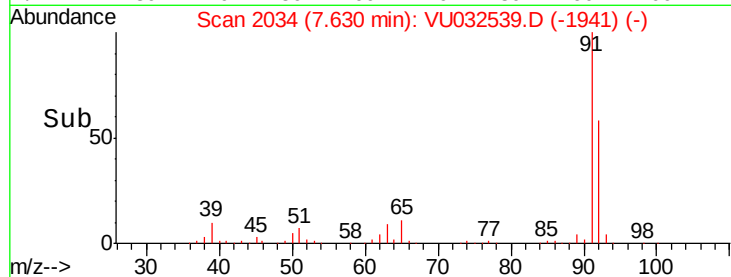
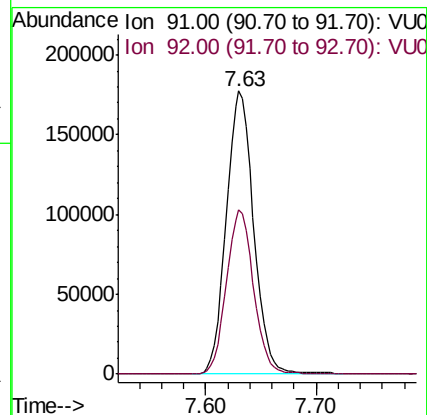
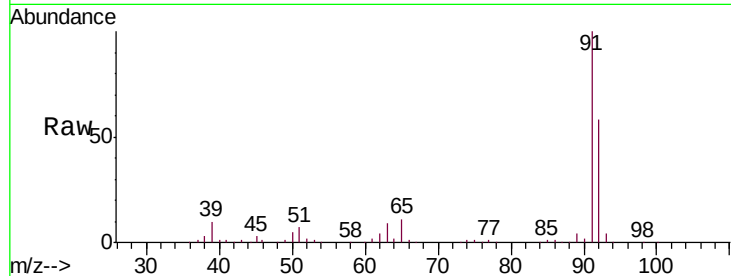
VSTD05037

Tgt Ion: 91 Resp: 305775

Ion Ratio Lower Upper

91 100

92 58.0 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 51.541 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032539.D

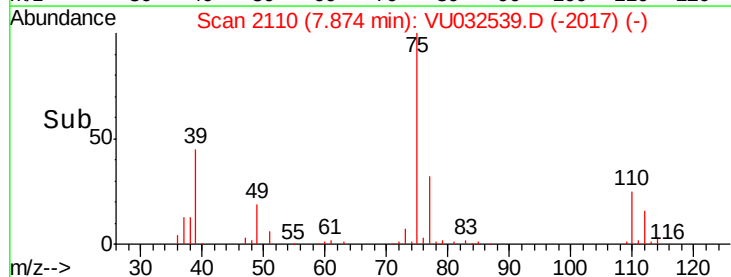
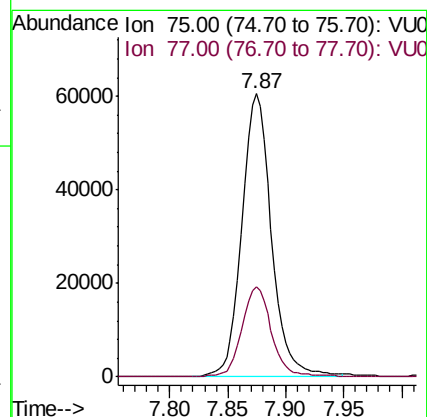
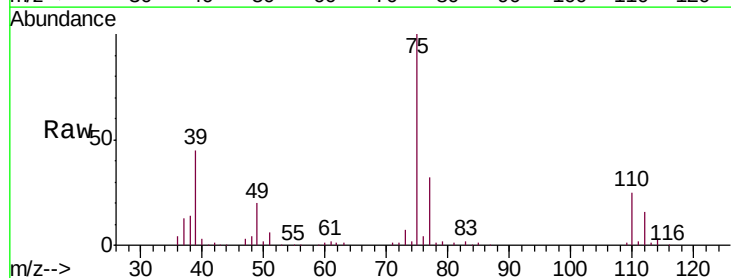
Acq: 07 Jun 2019 13:44

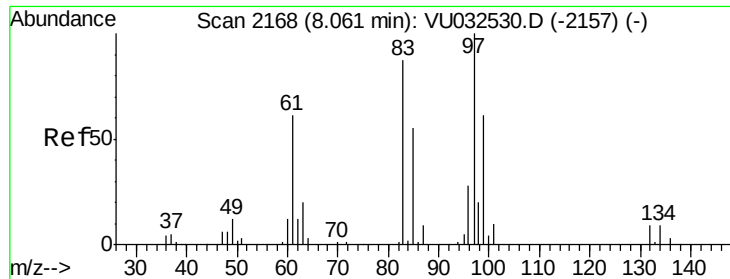
Tgt Ion: 75 Resp: 107889

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

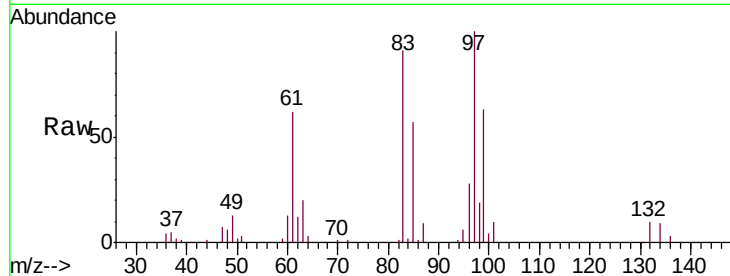




#45
 1,1,2-Trichloroethane
 Concen: 49.362 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion:	97	Resp:	69774
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.1	81.9
83	91.1	59.4	110.2
85	57.2	39.1	72.7



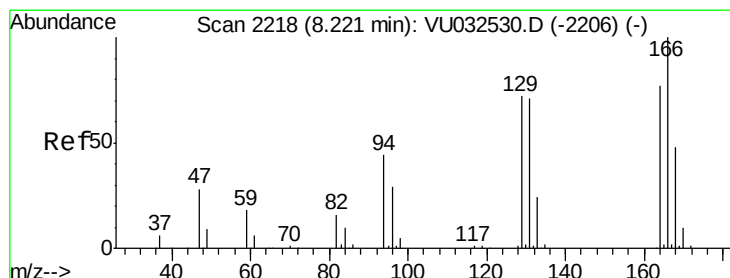
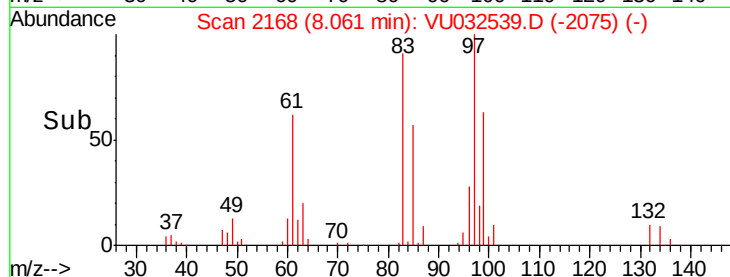
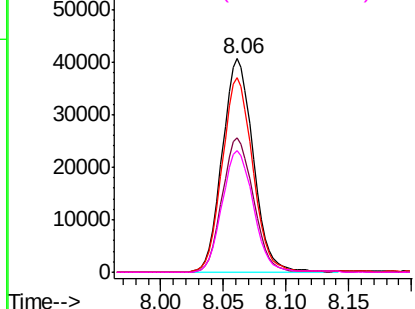
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

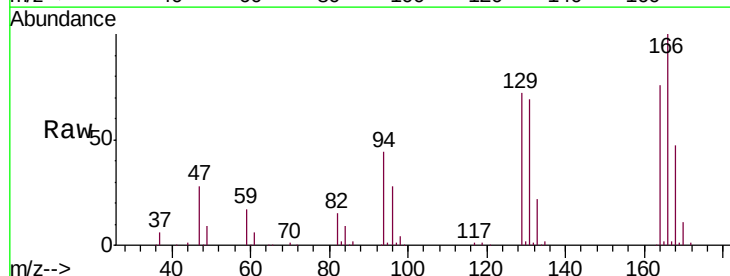
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 50.370 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Tgt Ion:	164	Resp:	63820
Ion	Ratio	Lower	Upper
164	100		
129	94.3	65.3	121.3
131	90.6	64.0	119.0
166	131.3	88.8	165.0



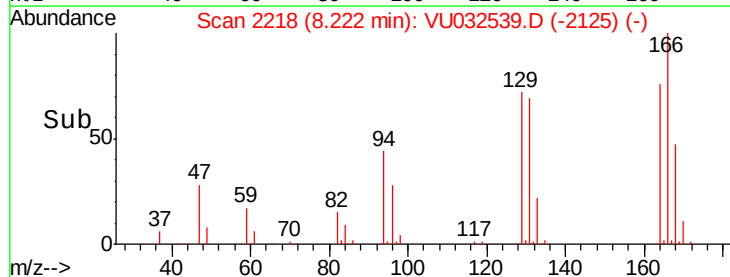
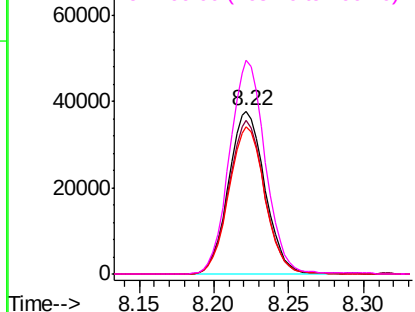
Abundance

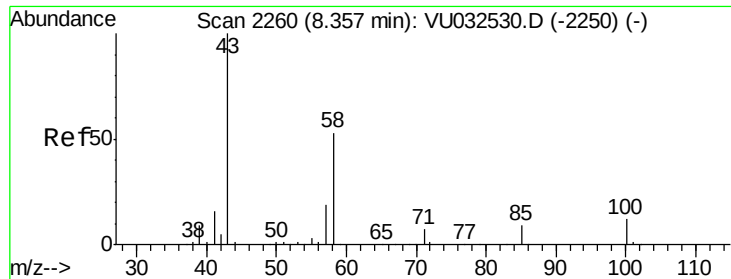
Ion 164.00 (163.70 to 164.70): V

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

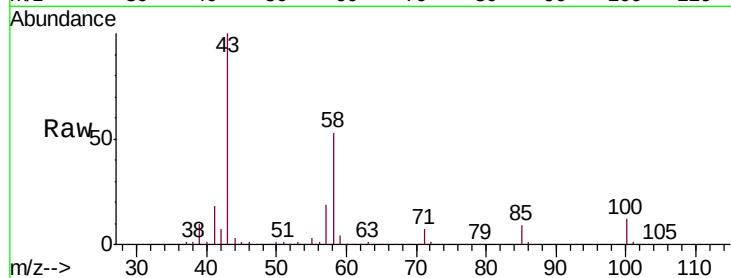




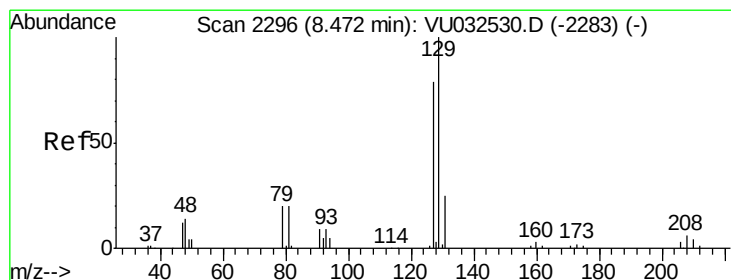
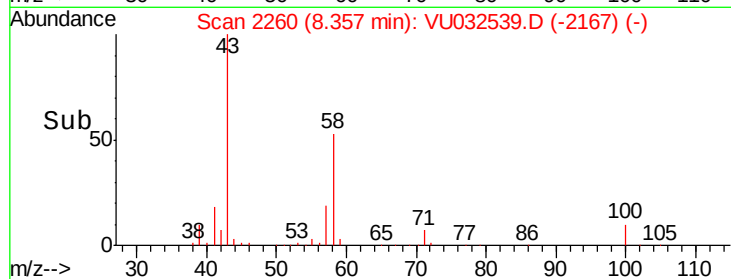
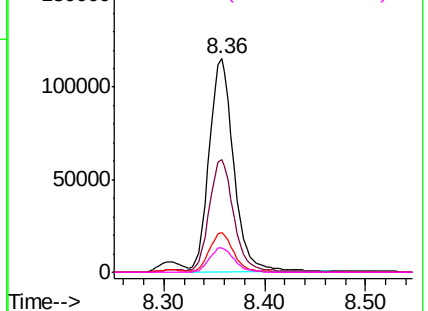
#48
2-Hexanone
Concen: 98.314 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

Instrument :
MSVOA_U
ClientSampled :
VSTD05037

Tgt Ion: 43 Resp: 194180
Ion Ratio Lower Upper
43 100
58 53.5 42.0 63.0
57 18.4 14.6 22.0
100 11.6 9.2 13.8

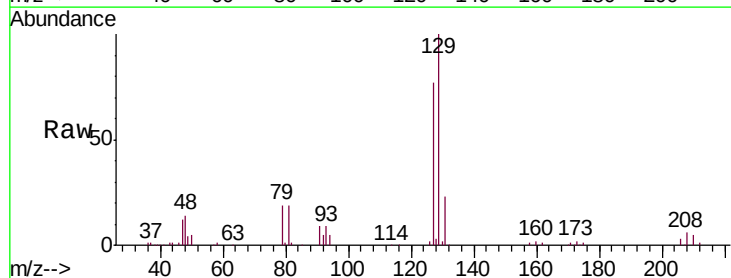


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

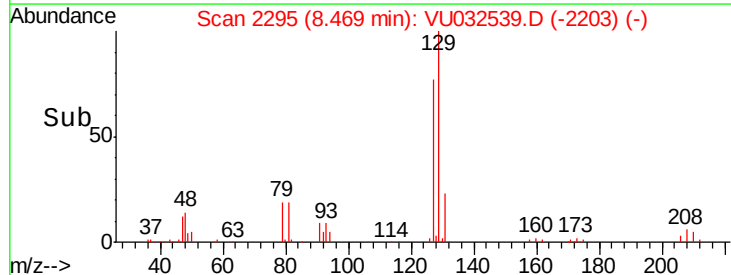
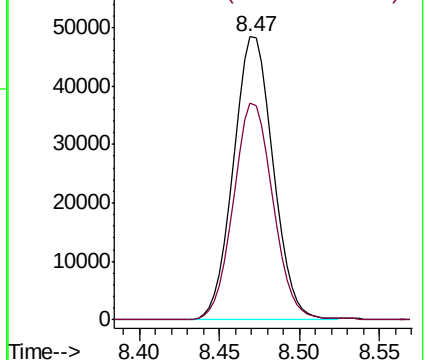


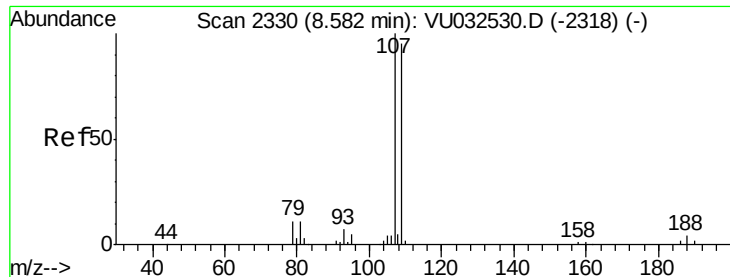
#49
Dibromochloromethane
Concen: 49.956 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

Tgt Ion: 129 Resp: 82076
Ion Ratio Lower Upper
129 100
127 76.8 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

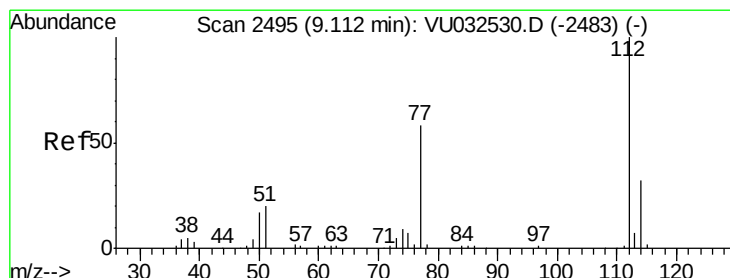
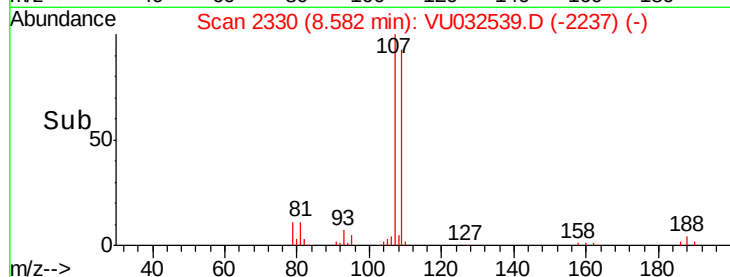
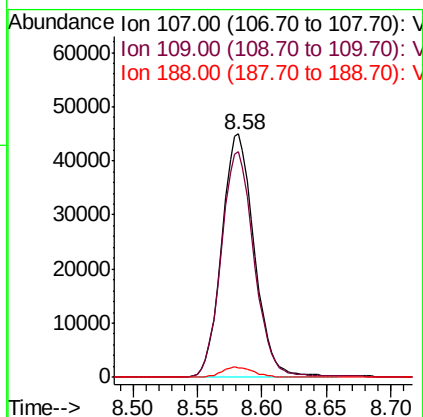
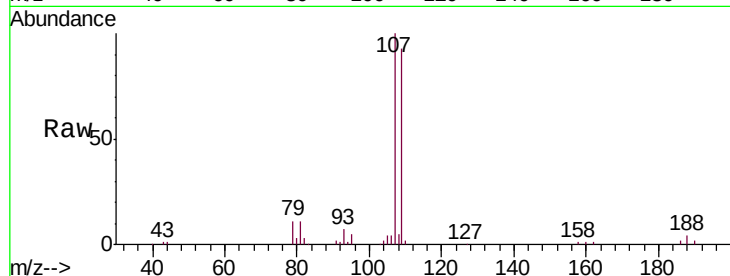




#50
1,2-Dibromoethane
Concen: 49.542 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

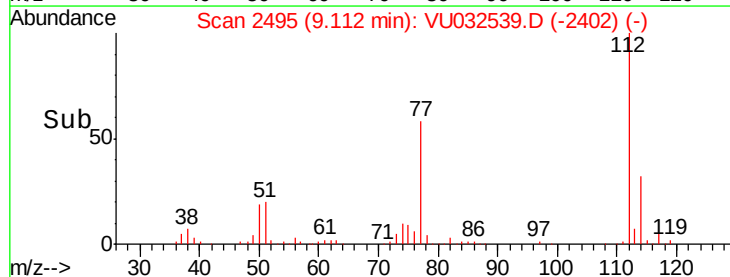
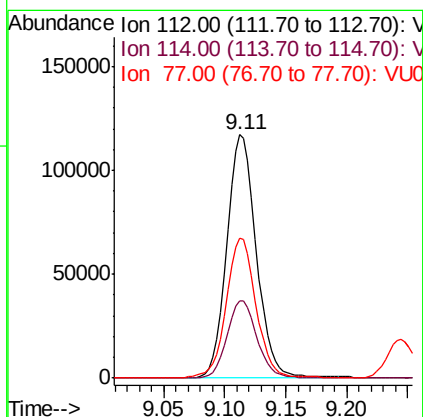
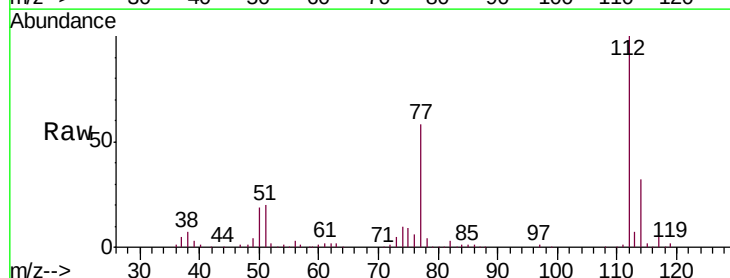
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

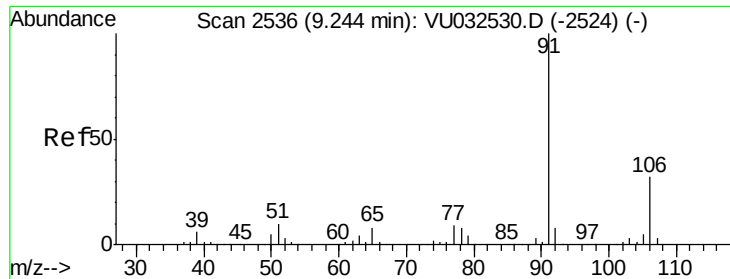
Tgt Ion:107 Resp: 78823
Ion Ratio Lower Upper
107 100
109 92.6 66.8 124.0
188 4.1 3.1 4.7



#51
Chlorobenzene
Concen: 49.924 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

Tgt Ion:112 Resp: 198626
Ion Ratio Lower Upper
112 100
114 31.7 22.6 42.0
77 57.6 46.1 69.1





#52

Ethylbenzene

Concen: 50.027 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

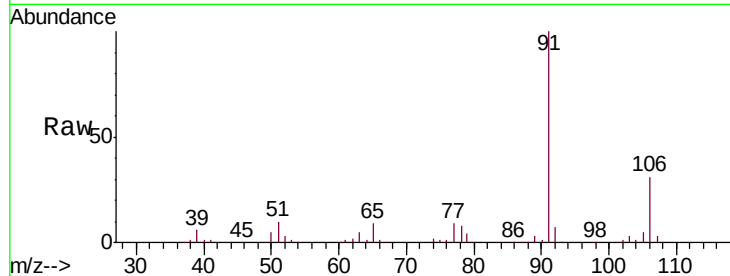
VSTD05037

Tgt Ion: 91 Resp: 344358

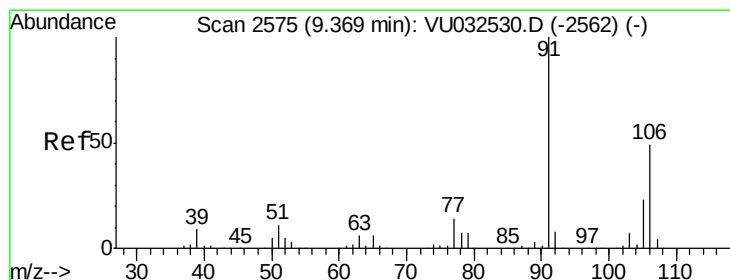
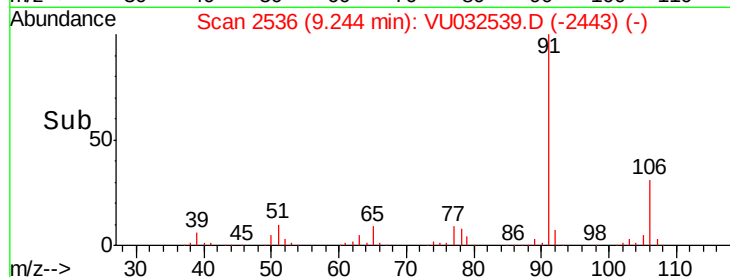
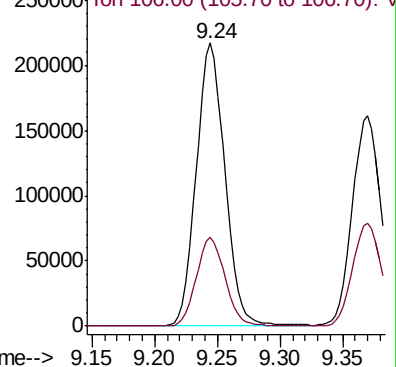
Ion Ratio Lower Upper

91 100

106 31.4 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032539.D (-2443) (-)



#53

m,p-Xylene

Concen: 49.705 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032539.D

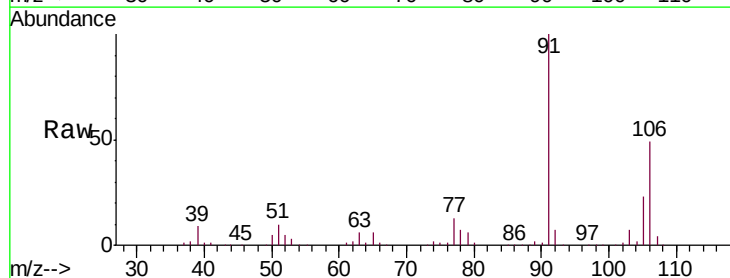
Acq: 07 Jun 2019 13:44

Tgt Ion: 106 Resp: 130100

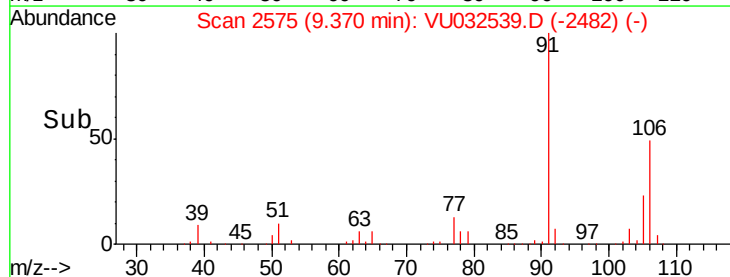
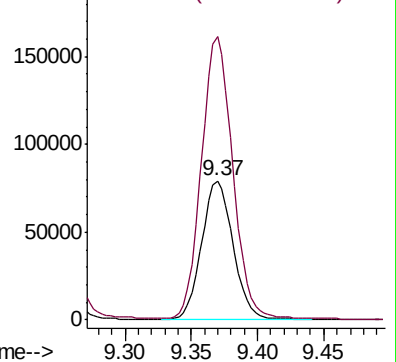
Ion Ratio Lower Upper

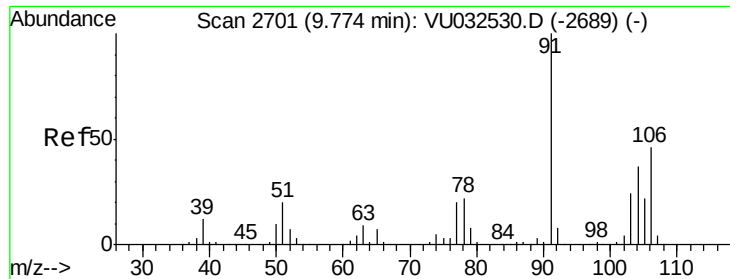
106 100

91 203.3 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032539.D (-2482) (-)

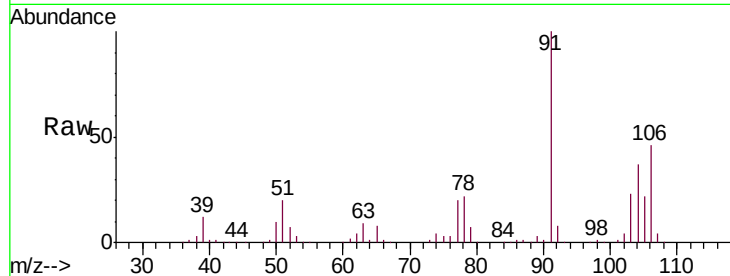




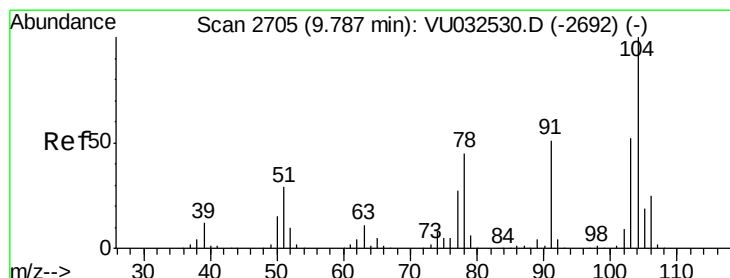
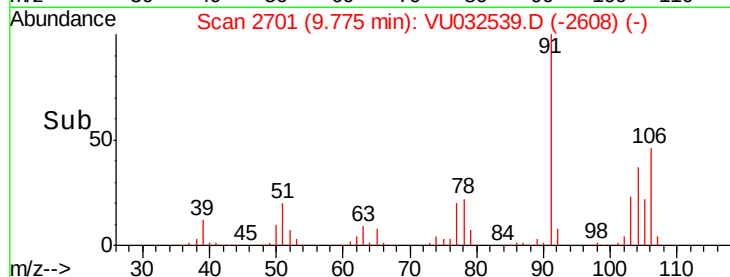
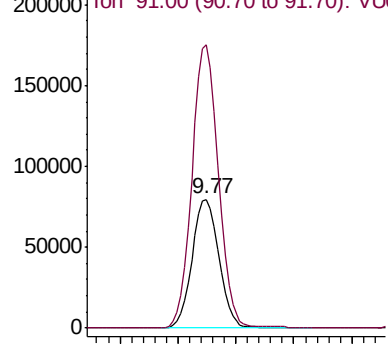
#54
o-xylene
Concen: 49.505 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

Tgt Ion:106 Resp: 128655
Ion Ratio Lower Upper
106 100
91 219.3 150.1 278.7

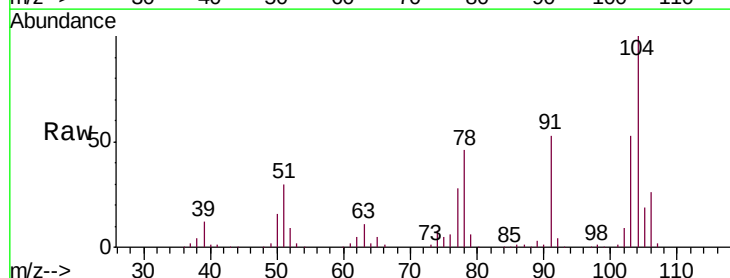


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

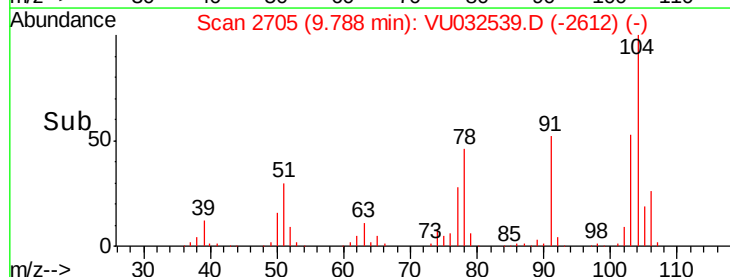
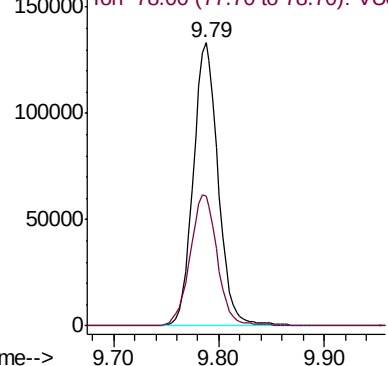


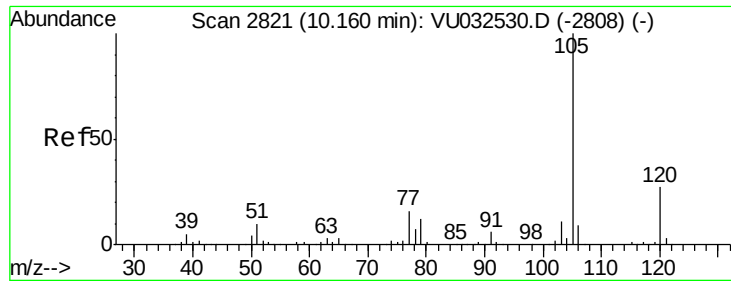
#55
Styrene
Concen: 50.256 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032539.D
Acq: 07 Jun 2019 13:44

Tgt Ion:104 Resp: 218038
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





#56

Isopropylbenzene

Concen: 49.822 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

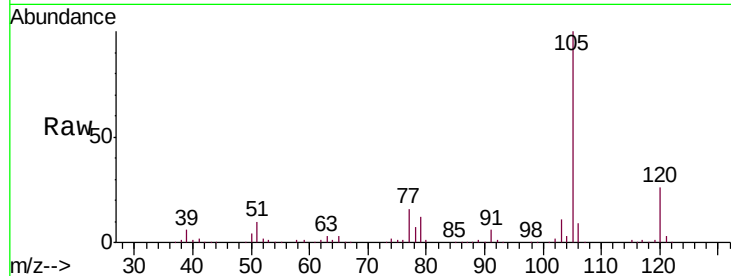
Tgt Ion: 105 Resp: 341415

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

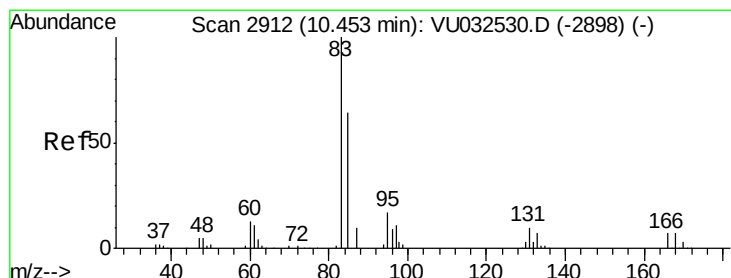
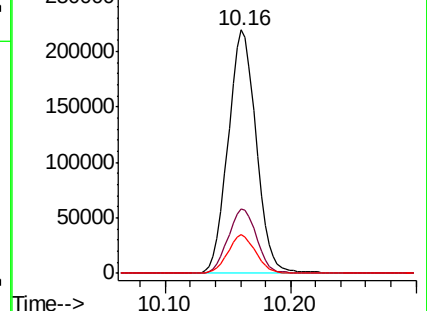
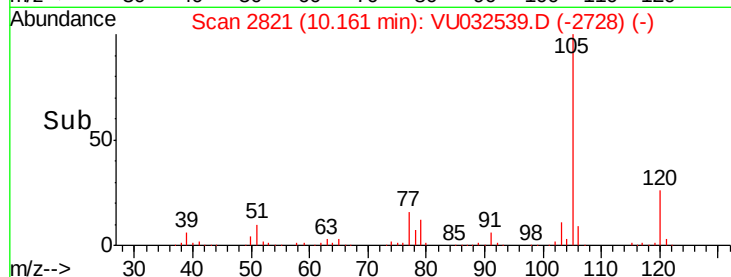
77 15.8 12.4 18.6



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: 49.889 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

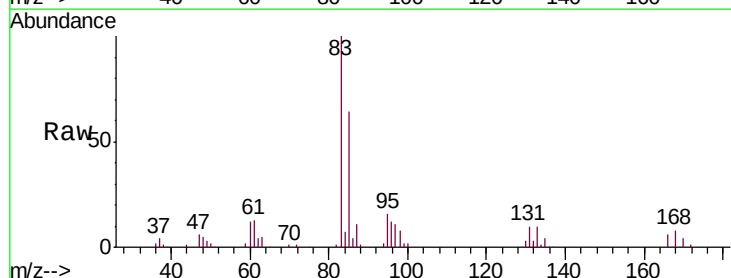
Tgt Ion: 83 Resp: 120524

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.7

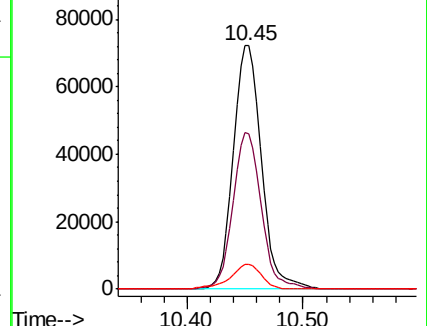
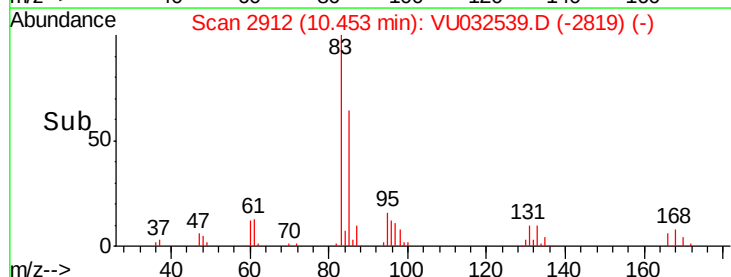
131 10.0 7.9 11.9

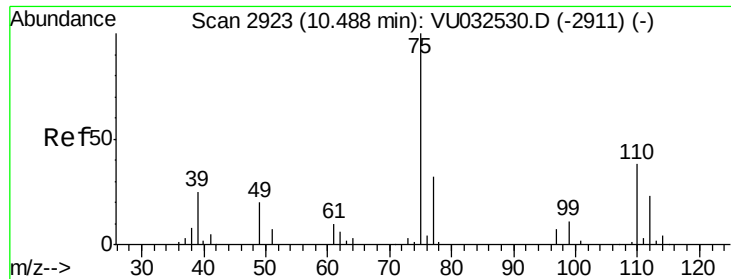


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

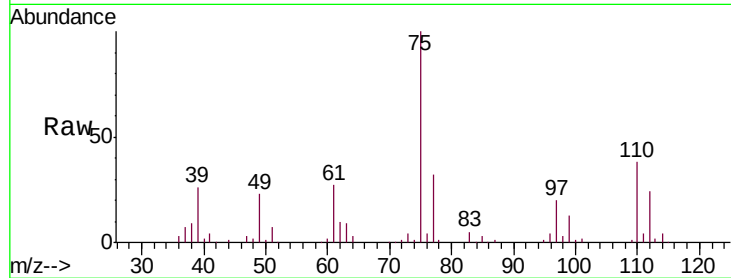




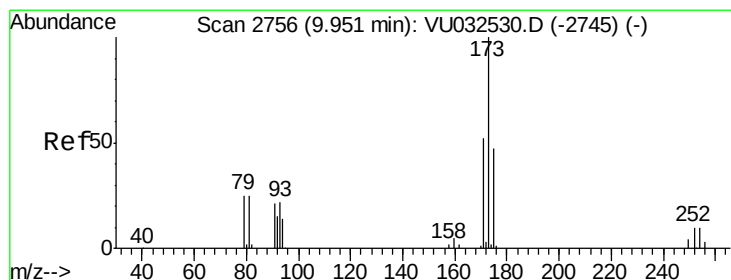
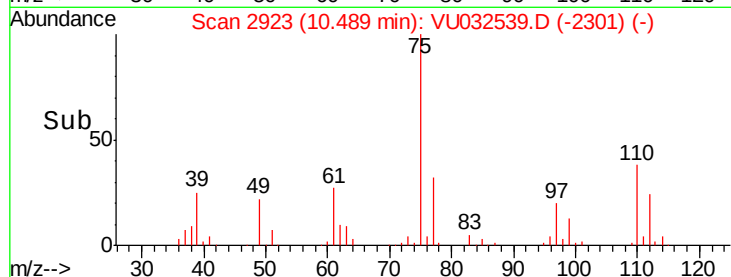
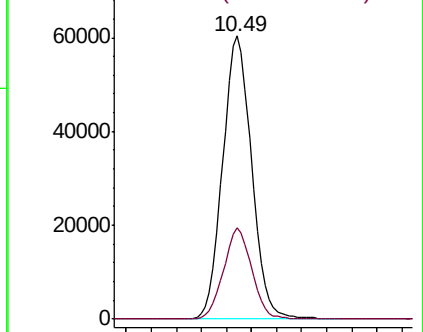
#59
 1,2,3-Trichloropropane
 Concen: 49.712 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion: 75 Resp: 96598
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4

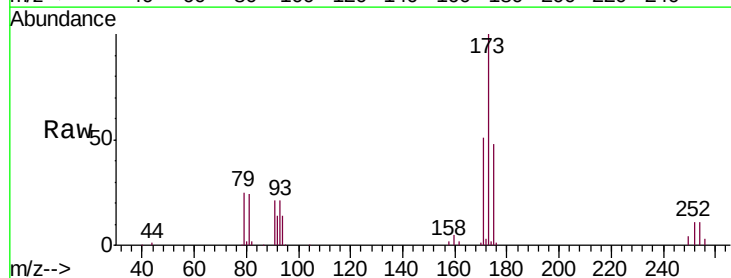


Abundance Ion 75.00 (74.70 to 75.70): VU032539.D (-2911) (-)
 Ion 77.00 (76.70 to 77.70): VU032539.D (-2911) (-)

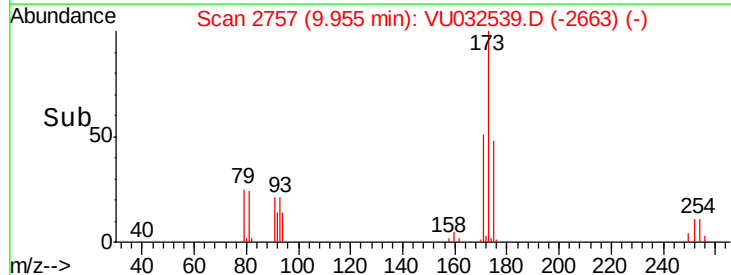
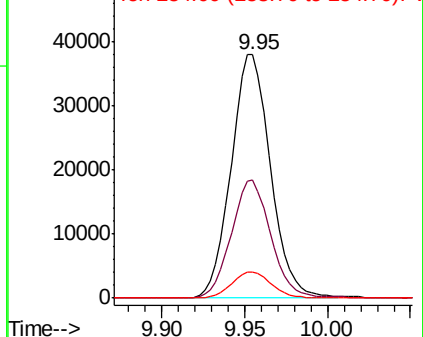


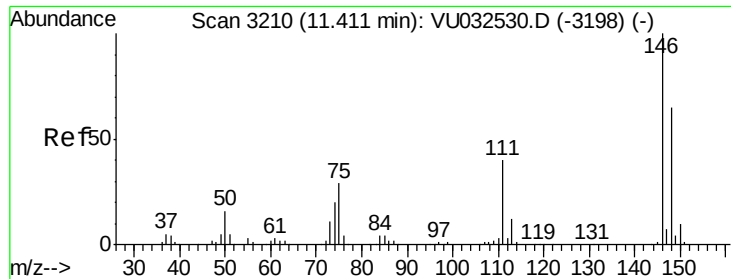
#61
 Bromoform
 Concen: 47.839 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Tgt Ion: 173 Resp: 62884
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.7 59.5
 254 10.6 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): VU032539.D (-2745) (-)
 Ion 175.00 (174.70 to 175.70): VU032539.D (-2745) (-)
 Ion 254.00 (253.70 to 254.70): VU032539.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 49.629 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

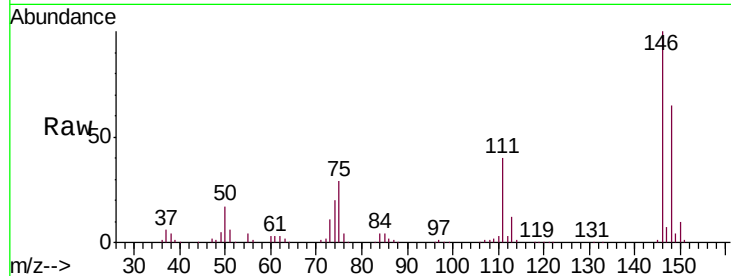
Tgt Ion:146 Resp: 165541

Ion Ratio Lower Upper

146 100

111 39.5 27.3 50.7

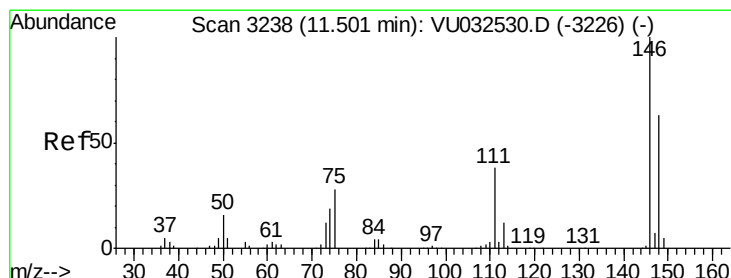
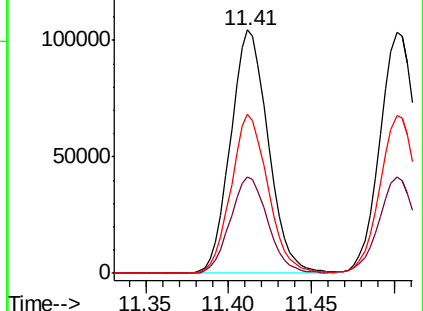
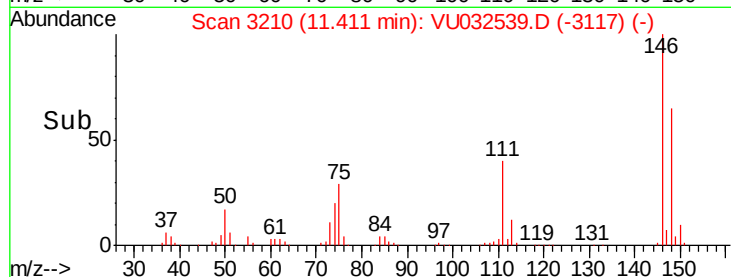
148 65.1 44.4 82.5



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: 48.086 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

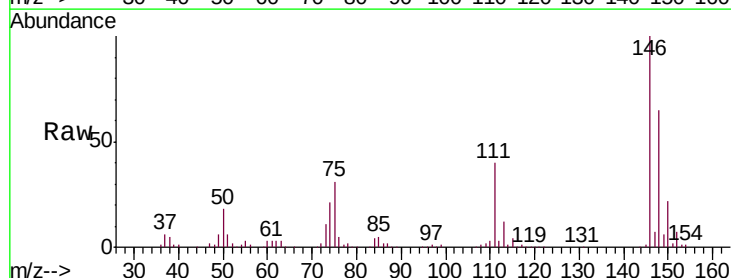
Tgt Ion:146 Resp: 163980

Ion Ratio Lower Upper

146 100

111 40.1 26.6 49.4

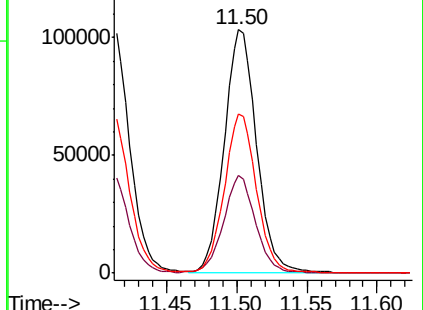
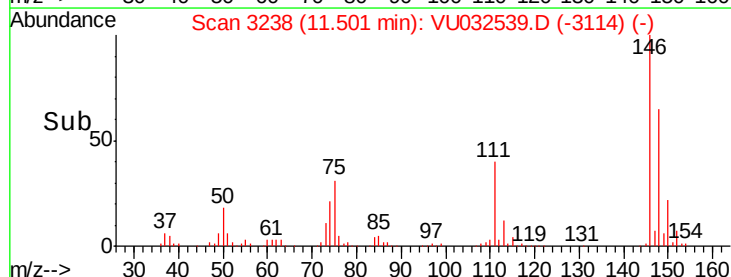
148 65.5 44.9 83.5

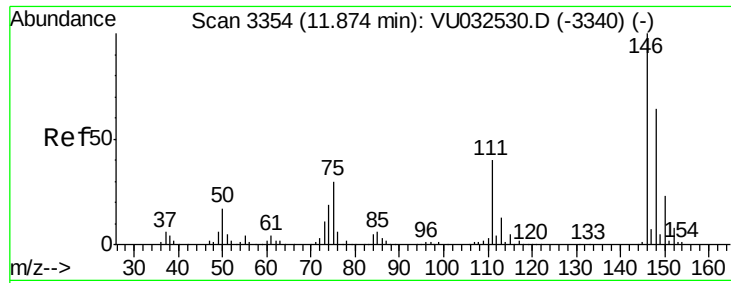


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

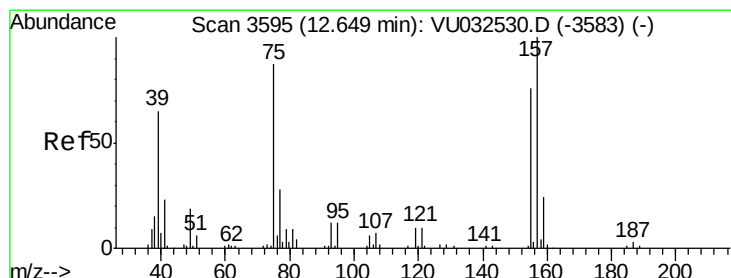
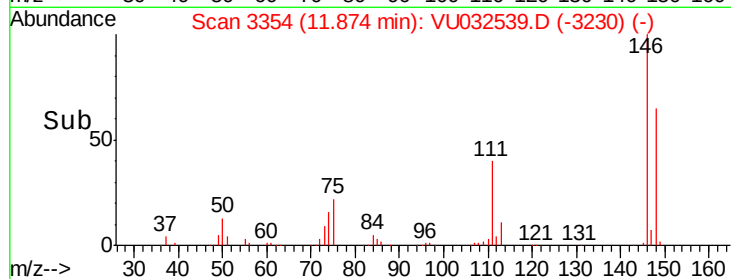
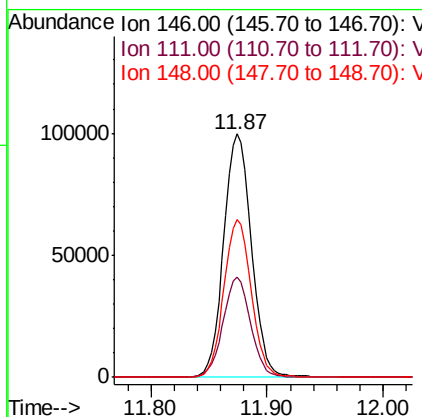
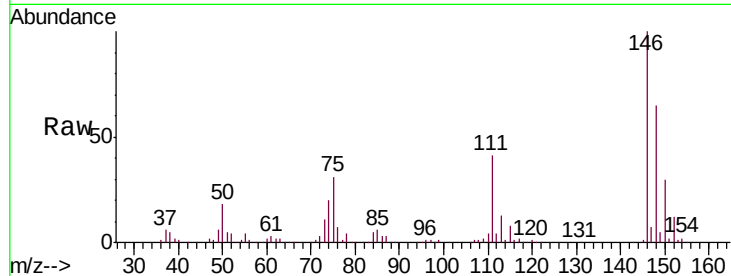




#65
 1,2-Dichlorobenzene
 Concen: 48.875 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

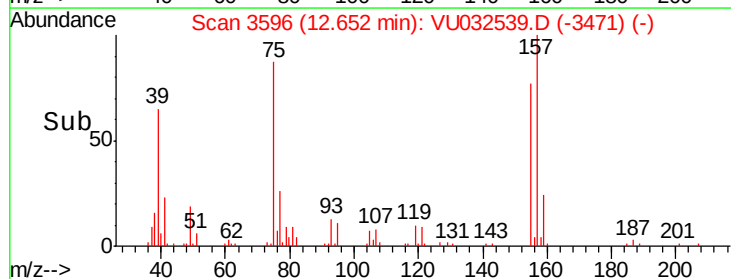
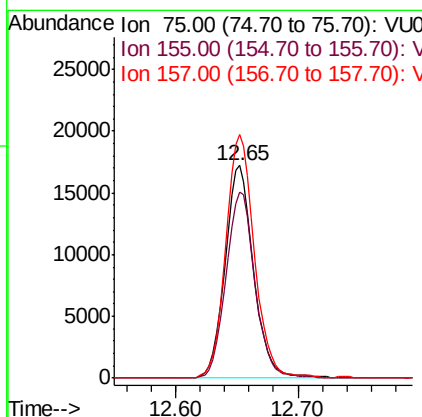
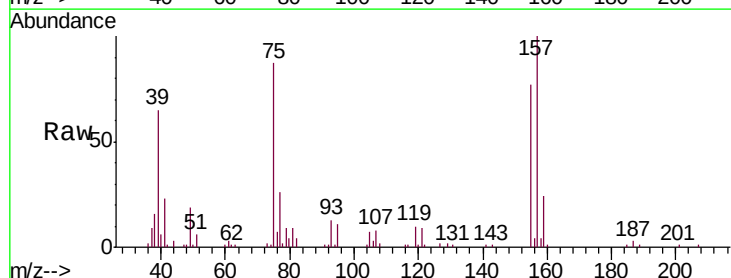
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

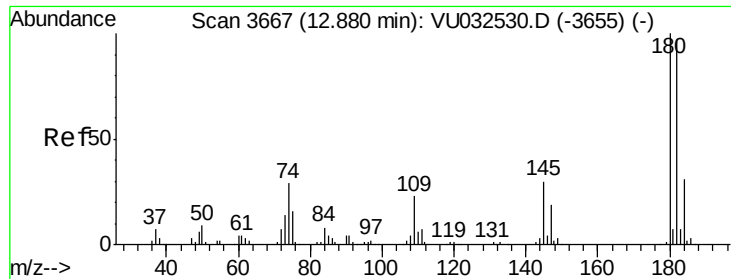
Tgt Ion: 146 Resp: 164822
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.6 48.8
 148 64.9 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.646 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Tgt Ion: 75 Resp: 28168
 Ion Ratio Lower Upper
 75 100
 155 87.8 73.1 109.7
 157 114.6 91.4 137.2

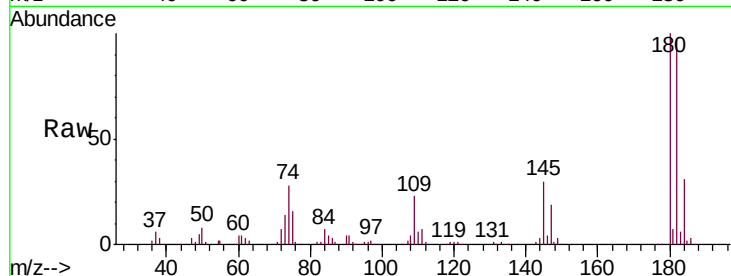




#67
 1,3,5-Trichlorobenzene
 Concen: 50.935 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	78.2	117.4
184	30.8	24.2	36.2
145	29.3	23.9	35.9



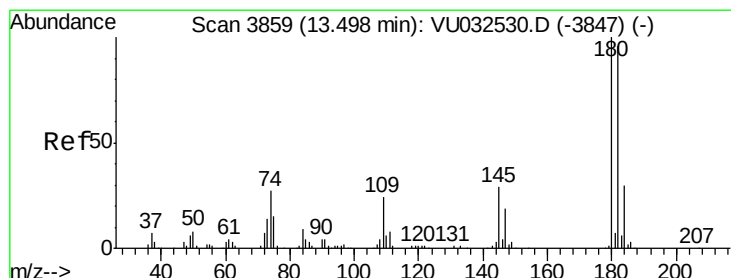
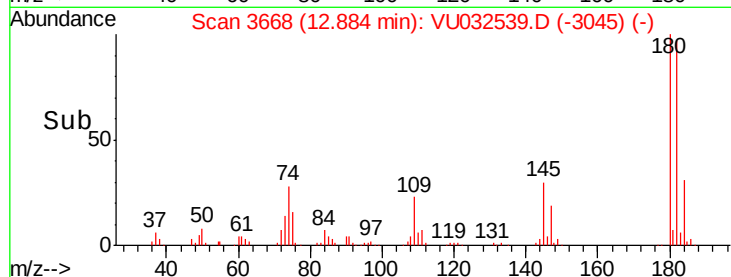
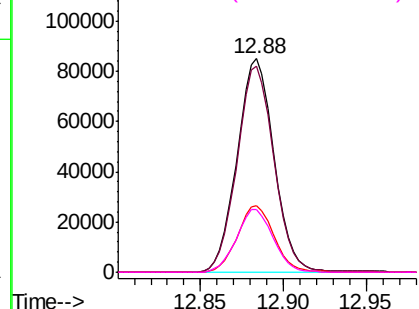
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

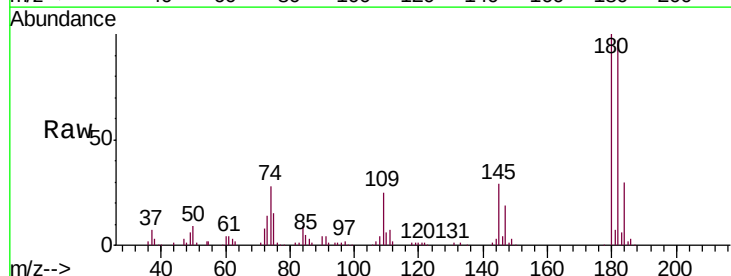
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.554 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032539.D
 Acq: 07 Jun 2019 13:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.5	114.7
145	29.4	23.8	35.6

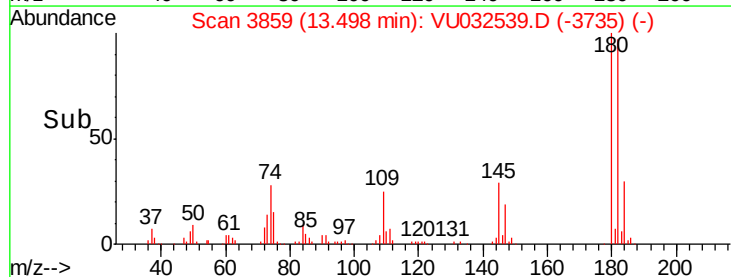
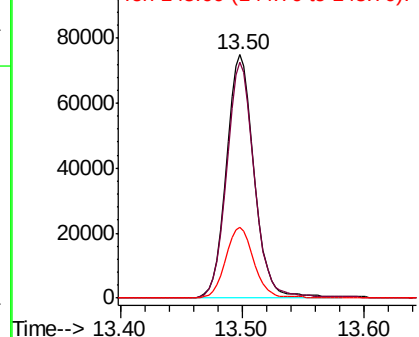


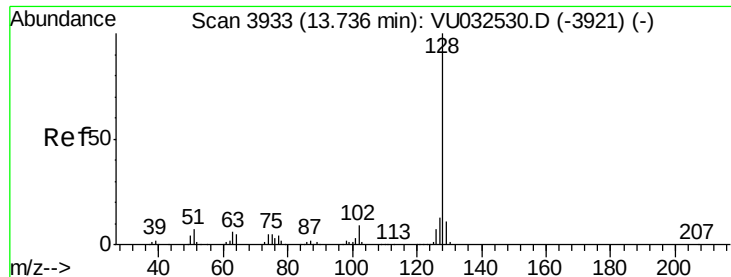
Abundance

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: 51.515 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampled :

VSTD05037

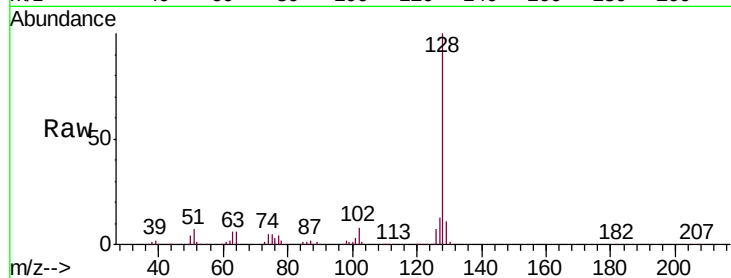
Tgt Ion:128 Resp: 357243

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

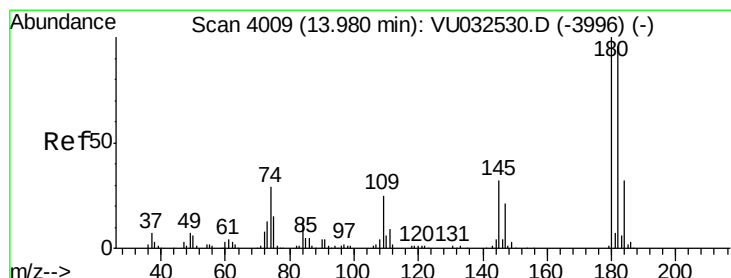
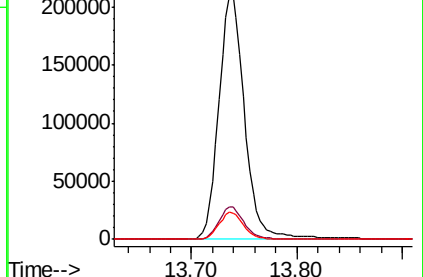
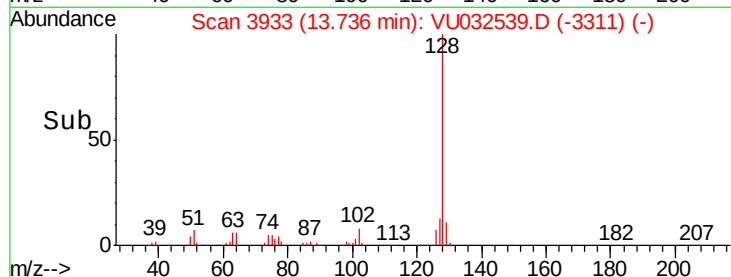
129 10.6 8.5 12.7



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: 53.884 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032539.D

Acq: 07 Jun 2019 13:44

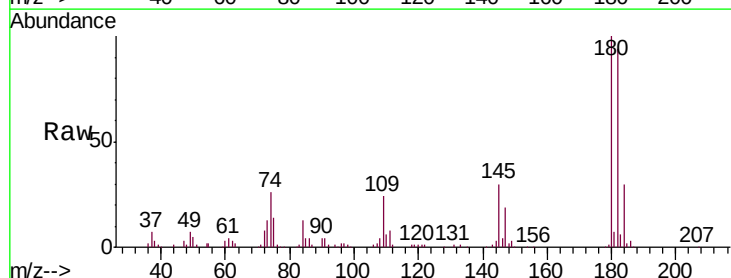
Tgt Ion:180 Resp: 123291

Ion Ratio Lower Upper

180 100

182 94.0 76.7 115.1

145 30.9 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

