

Data File : VU032841.D
Acq On : 18 Jun 2019 22:51
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Quant Time: Jun 19 04:40:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 04:35:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224771	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	219170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	119758	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60164	39.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.34%
7) Chloroethane-d5	1.67	69	51503	42.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.08%
11) 1,1-Dichloroethene-d2	2.27	63	131384	42.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.92%
21) 2-Butanone-d5	4.17	46	135029	105.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.61%
24) Chloroform-d	4.64	84	140793	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.30	65	95236	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
32) Benzene-d6	5.33	84	256674	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.86%
36) 1,2-Dichloropropane-d6	6.32	67	85307	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.74%
41) Toluene-d8	7.56	98	237999	44.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.96%
43) trans-1,3-Dichloropropene-	7.84	79	43192	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.24%
47) 2-Hexanone-d5	8.31	63	90213	106.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.15%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	138436	49.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	108502	46.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	109136	48.068	ug/L 99
3) Chloromethane	1.32	50	99304	48.257	ug/L 100
5) Vinyl chloride	1.40	62	98645	48.329	ug/L 99
6) Bromomethane	1.62	94	58493	48.701	ug/L 98
8) Chloroethane	1.69	64	57884	49.266	ug/L 100
9) Trichlorofluoromethane	1.88	101	138438	48.345	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	71754	47.772	ug/L 100
12) 1,1-Dichloroethene	2.28	96	69165	48.864	ug/L 91
13) Acetone	2.32	43	110060	62.323	ug/L 98
14) Carbon disulfide	2.47	76	209617	46.802	ug/L 99
15) Methyl Acetate	2.61	43	103925	51.916	ug/L 99
16) Methylene chloride	2.69	84	81133	48.848	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	75734	49.340	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	253693	51.479	ug/L 100
19) 1,1-Dichloroethane	3.44	63	147058	50.254	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	85160	50.928	ug/L 98
22) 2-Butanone	4.25	43	151805	82.937	ug/L 100

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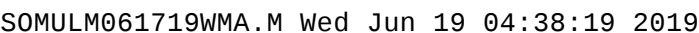
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

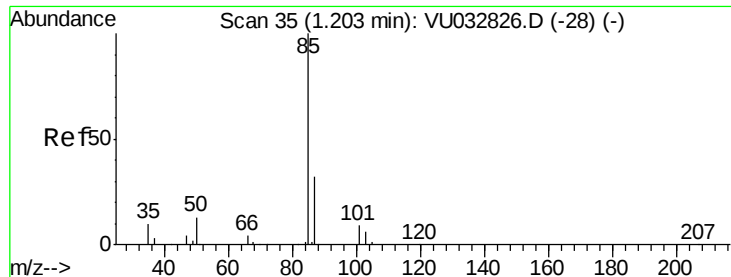
Quant Time: Jun 19 04:40:34 2019
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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	44192	50.660	ug/L	99
25) Chloroform	4.67	83	151963	50.357	ug/L	95
27) 1,2-Dichloroethane	5.40	62	128802	51.955	ug/L	100
29) Cyclohexane	4.99	56	128638	50.266	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	133160	49.869	ug/L	99
31) Carbon tetrachloride	5.13	117	119696	49.266	ug/L	99
33) Benzene	5.38	78	320794	50.809	ug/L	100
34) Trichloroethene	6.18	95	84152	49.884	ug/L	97
35) Methylcyclohexane	6.41	83	129512	49.668	ug/L	99
37) 1,2-Dichloropropane	6.43	63	87154	50.323	ug/L	99
38) Bromodichloromethane	6.75	83	115829	49.738	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	134272	49.763	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	289500	104.700	ug/L	100
42) Toluene	7.63	91	348059	50.952	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	127063	50.136	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	80701	50.063	ug/L	99
46) Tetrachloroethene	8.22	164	68244	49.369	ug/L	98
48) 2-Hexanone	8.36	43	231976	95.087	ug/L	99
49) Dibromochloromethane	8.47	129	94590	48.675	ug/L	97
50) 1,2-Dibromoethane	8.58	107	91380	51.044	ug/L	100
51) Chlorobenzene	9.11	112	226975	50.492	ug/L	99
52) Ethylbenzene	9.24	91	392098	51.855	ug/L	98
53) m,p-Xylene	9.37	106	145555	51.020	ug/L	98
54) o-xylene	9.77	106	144532	51.877	ug/L	100
55) Styrene	9.79	104	248813	51.479	ug/L	99
56) Isopropylbenzene	10.16	105	391054	52.083	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	148053	50.757	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	118399	51.227	ug/L	100
61) Bromoform	9.95	173	72450	46.331	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	188423	50.618	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	190022	49.423	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	189708	49.912	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	34777	47.960	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	148785	49.744	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	135340	52.587	ug/L	99
69) Naphthalene	13.74	128	425615	53.786	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	137875	50.605	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 48.068 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

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MSVOA_U

ClientSampleId :

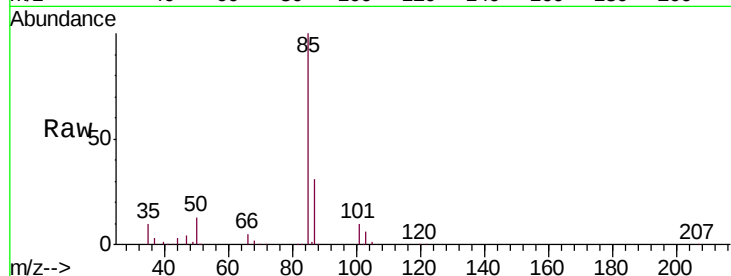
VSTD05055

Tgt Ion: 85 Resp: 109136

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032826.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032826.D (-28) (-)

1.20

120000

100000

80000

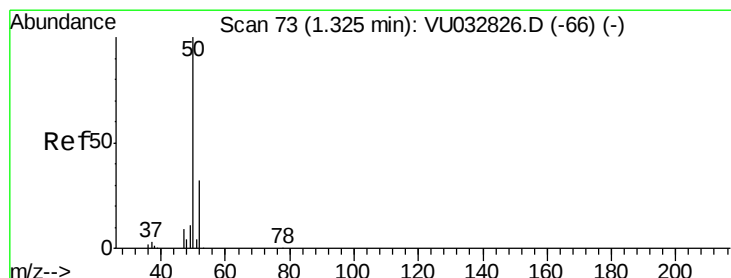
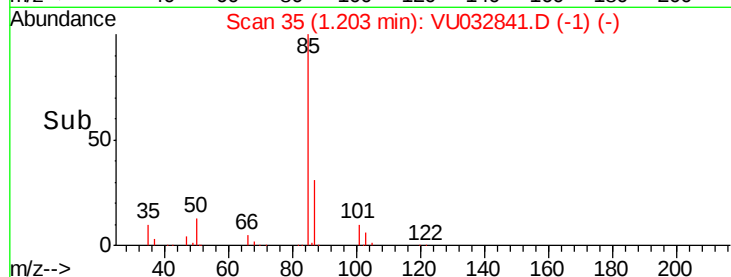
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 48.257 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032841.D

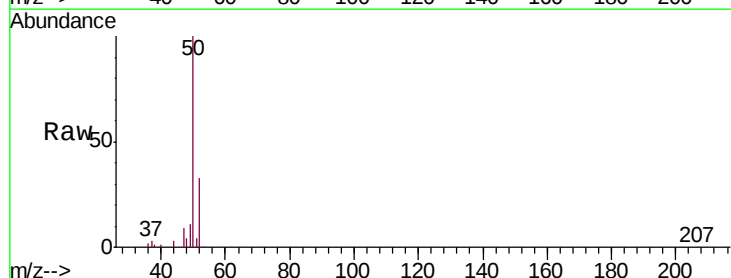
Acq: 18 Jun 2019 22:51

Tgt Ion: 50 Resp: 99304

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032826.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032826.D (-66) (-)

1.32

100000

80000

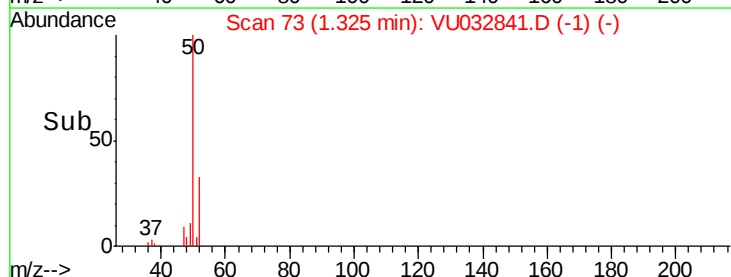
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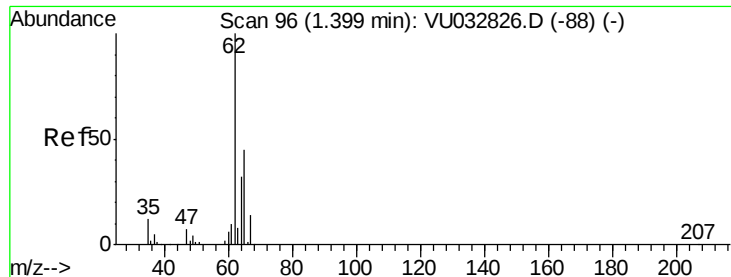
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.329 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

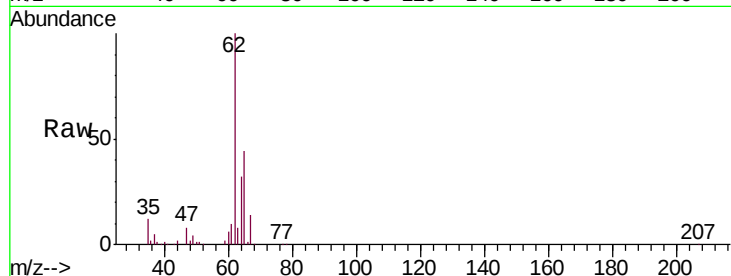
VSTD05055

Tgt Ion: 62 Resp: 98645

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU032841.D (-3) (-)

Ion 64.00 (63.70 to 64.70): VU032841.D (-3) (-)

100000

80000

60000

40000

20000

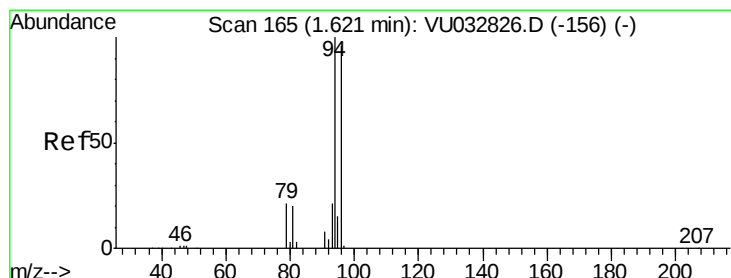
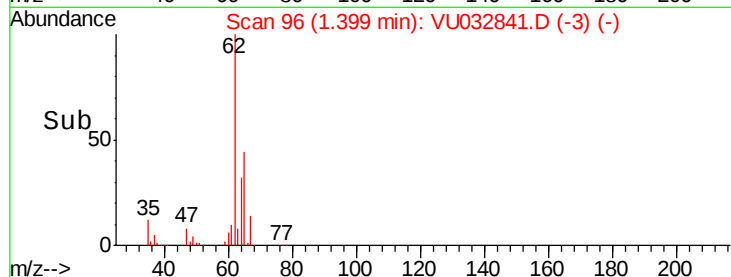
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 48.701 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032841.D

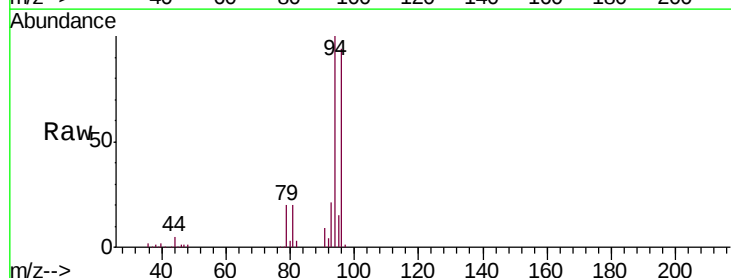
Acq: 18 Jun 2019 22:51

Tgt Ion: 94 Resp: 58493

Ion Ratio Lower Upper

94 100

96 94.5 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU032841.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU032841.D (-72) (-)

50000

40000

30000

20000

10000

0

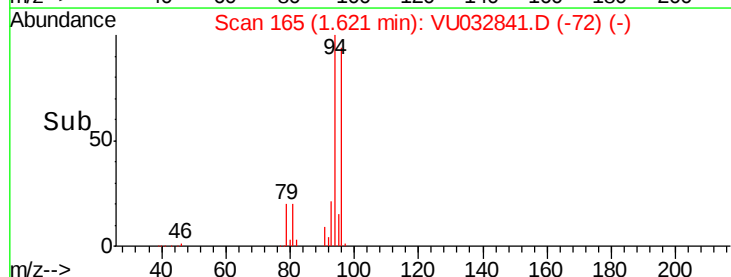
1.55

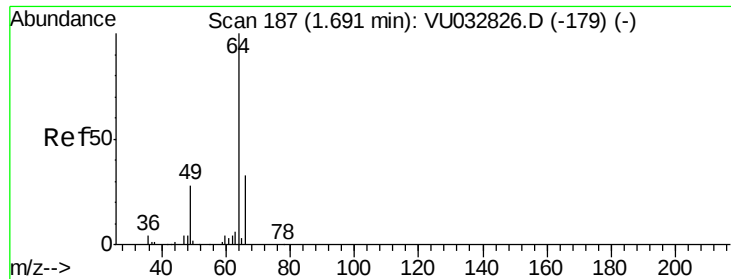
1.60

1.65

1.70

Time-->





#8

Chloroethane

Concen: 49.266 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

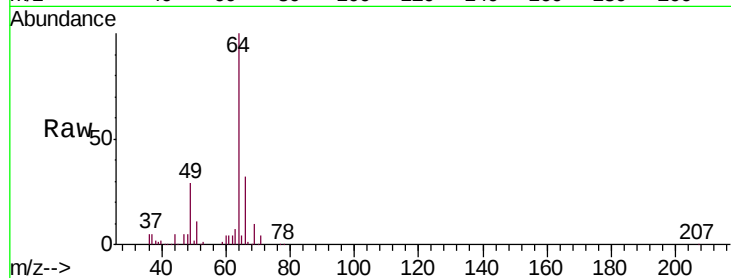
VSTD05055

Tgt Ion: 64 Resp: 57884

Ion Ratio Lower Upper

64 100

66 31.9 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU032841.D (-63) (-)

Ion 66.00 (65.70 to 66.70): VU032841.D (-63) (-)

1.69

50000

40000

30000

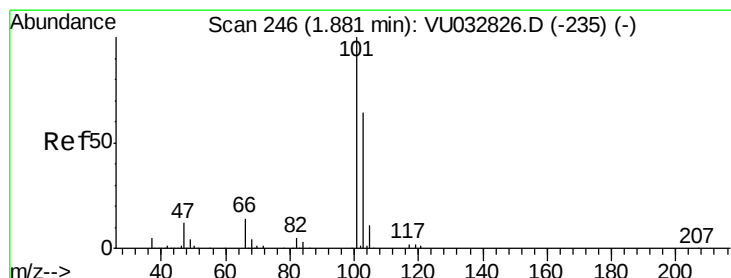
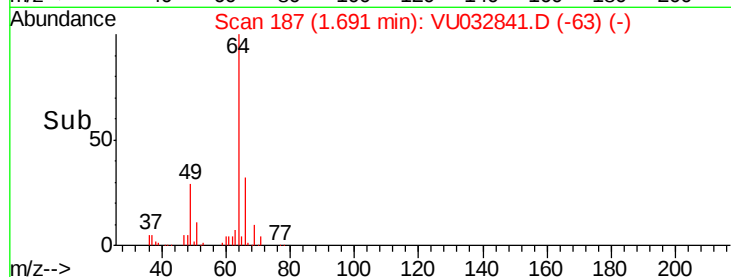
20000

10000

0

Time-->

1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 48.345 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032841.D

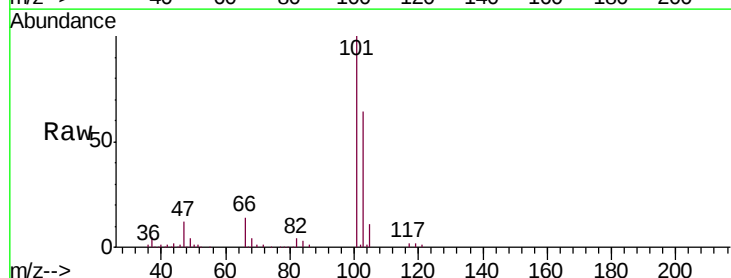
Acq: 18 Jun 2019 22:51

Tgt Ion: 101 Resp: 138438

Ion Ratio Lower Upper

101 100

103 64.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU032841.D (-122) (-)

Ion 103.00 (102.70 to 103.70): VU032841.D (-122) (-)

1.88

120000

100000

80000

60000

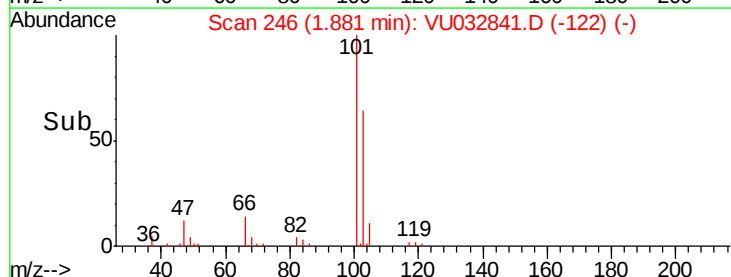
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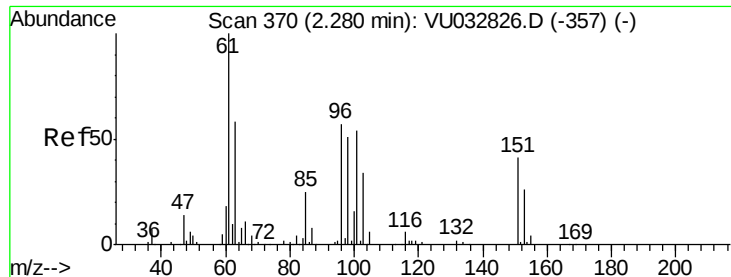
20000

0

Time-->

1.80 1.85 1.90 1.95





#10

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

Concen: 47.772 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

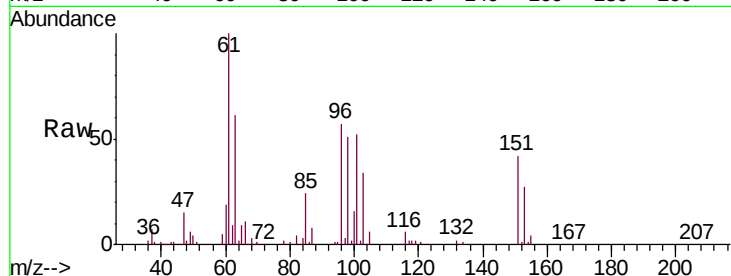
Tgt Ion: 101 Resp: 71754

Ion Ratio Lower Upper

101 100

85 46.7 36.8 55.2

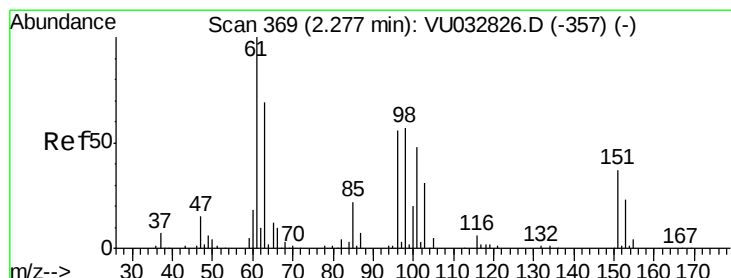
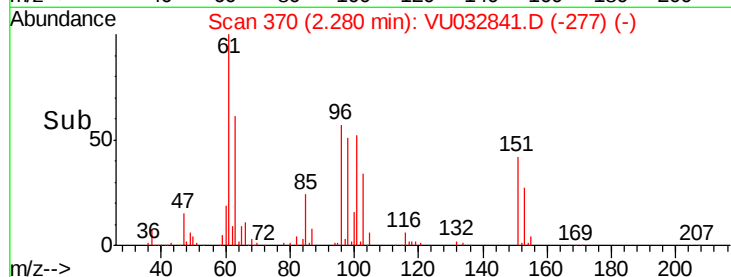
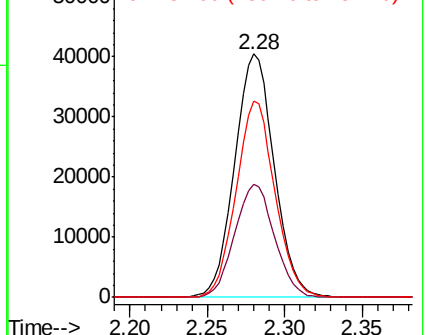
151 79.3 63.6 95.4



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: 48.864 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

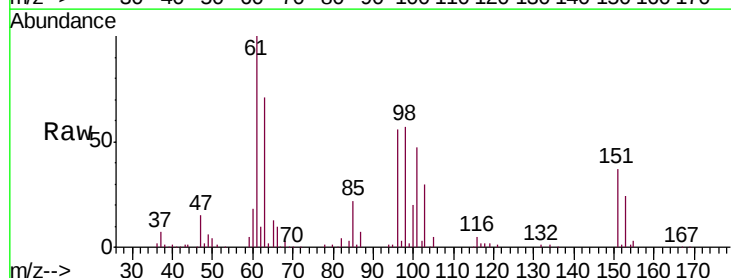
Tgt Ion: 96 Resp: 69165

Ion Ratio Lower Upper

96 100

61 179.7 131.0 243.4

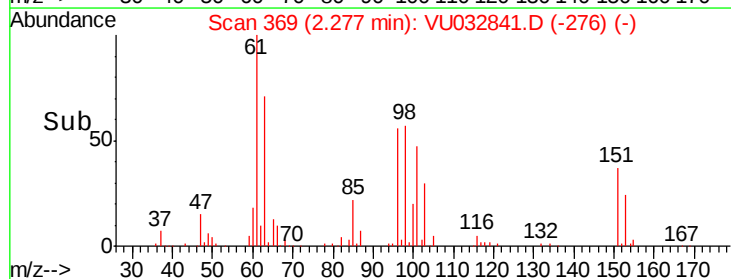
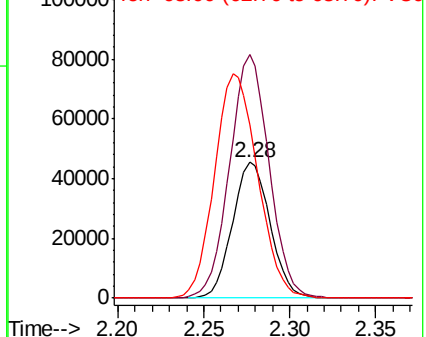
63 128.3 101.0 187.6

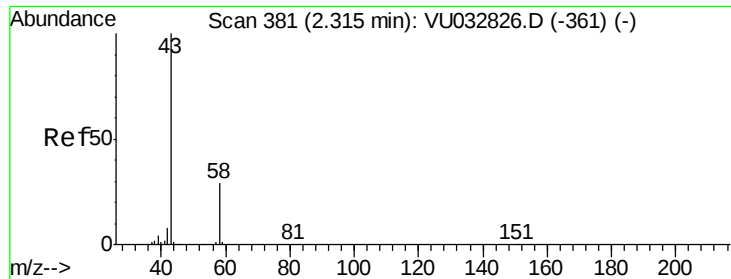


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 62.323 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

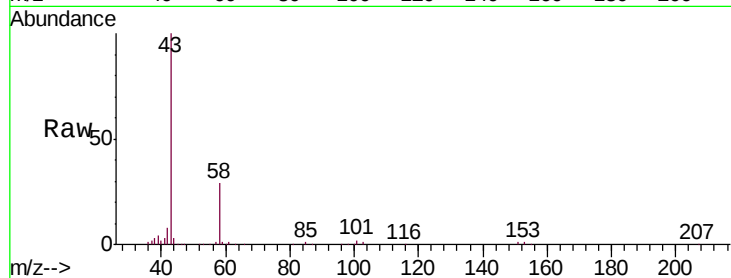
VSTD05055

Tgt Ion: 43 Resp: 110060

Ion Ratio Lower Upper

43 100

58 29.3 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032826.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032826.D (-361) (-)

2.32

60000

40000

20000

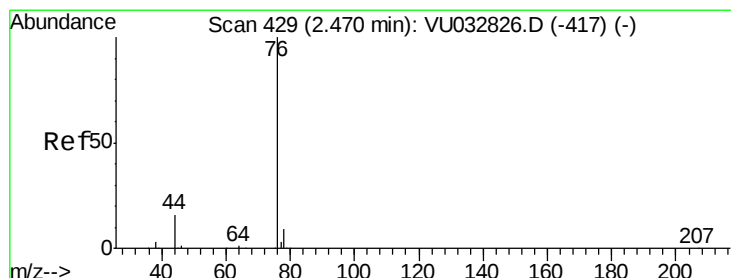
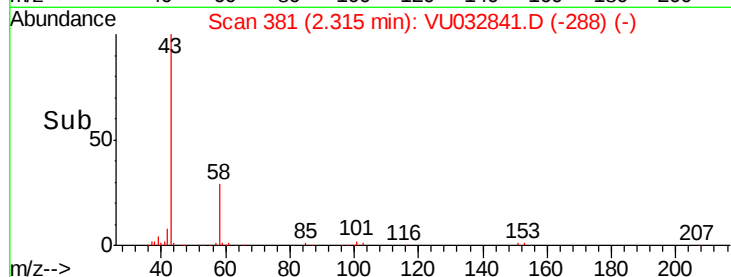
0

Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 46.802 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032841.D

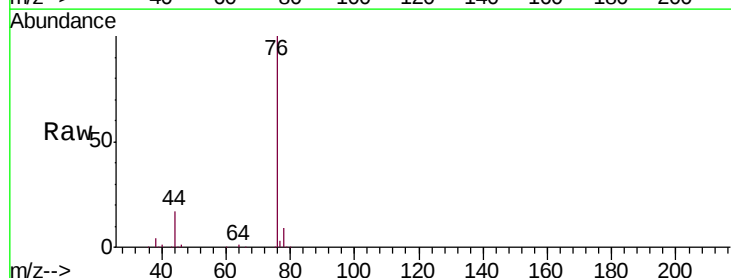
Acq: 18 Jun 2019 22:51

Tgt Ion: 76 Resp: 209617

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU032826.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032826.D (-417) (-)

2.47

150000

100000

50000

0

Time-->

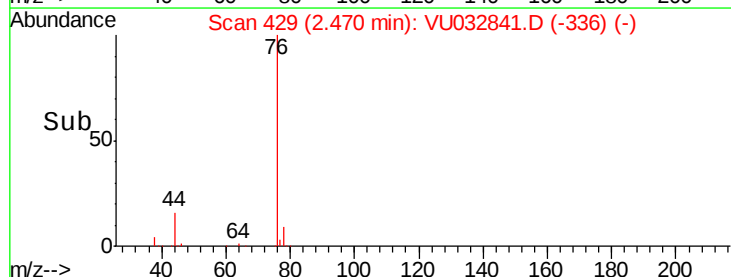
2.40

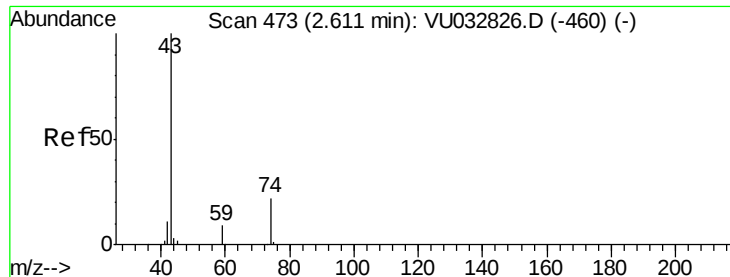
2.45

2.50

2.55

2.60

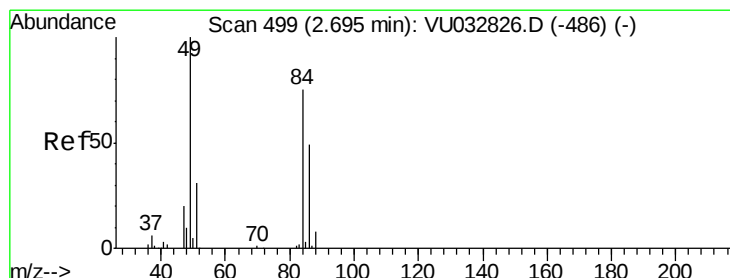
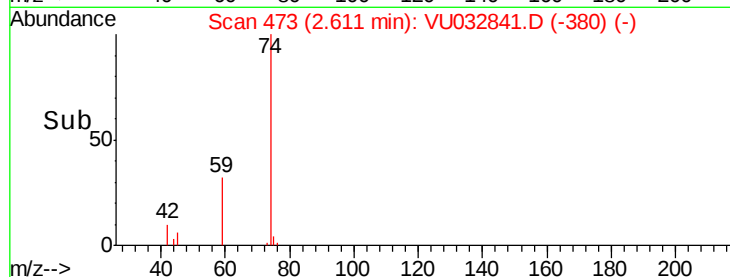
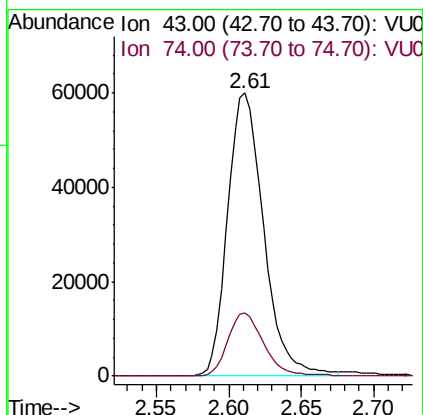
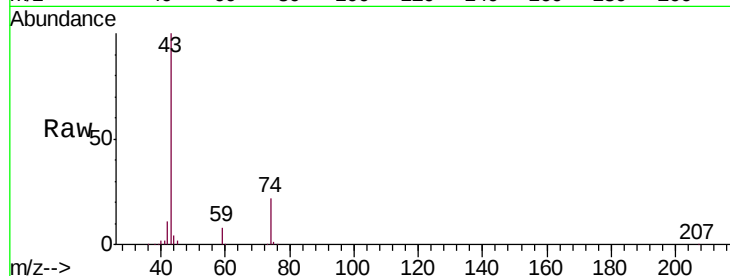




#15
Methyl Acetate
Concen: 51.916 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032841.D
Acq: 18 Jun 2019 22:51

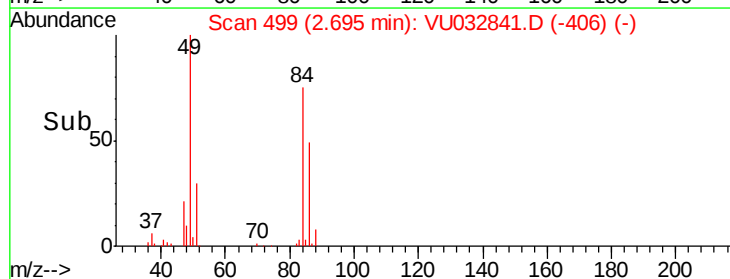
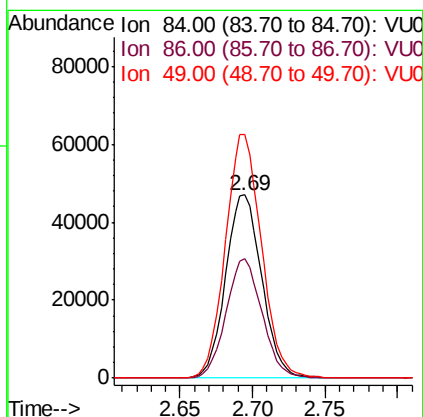
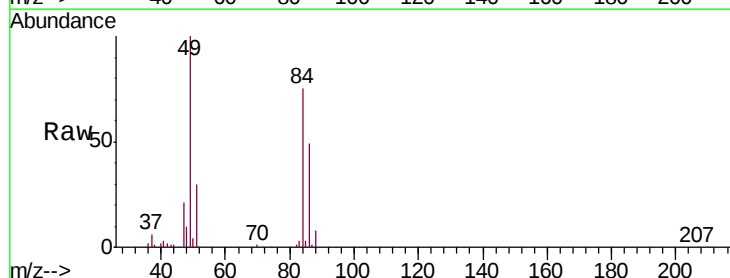
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

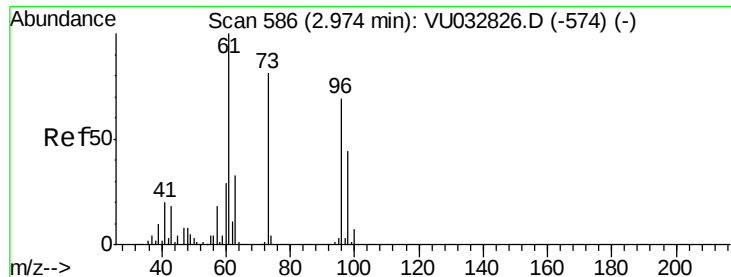
Tgt Ion: 43 Resp: 103925
Ion Ratio Lower Upper
43 100
74 22.3 18.1 27.1



#16
Methylene chloride
Concen: 48.848 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032841.D
Acq: 18 Jun 2019 22:51

Tgt Ion: 84 Resp: 81133
Ion Ratio Lower Upper
84 100
86 65.0 45.5 84.5
49 133.1 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 49.340 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

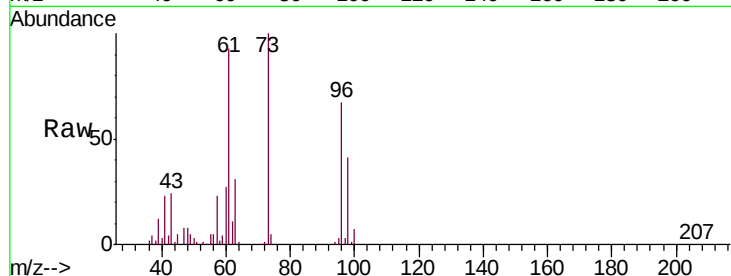
Tgt Ion: 96 Resp: 75734

Ion Ratio Lower Upper

96 100

61 140.0 100.9 187.5

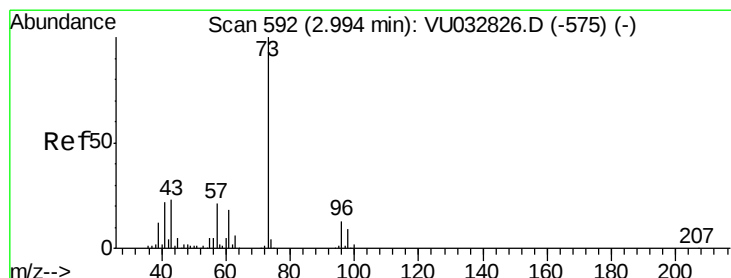
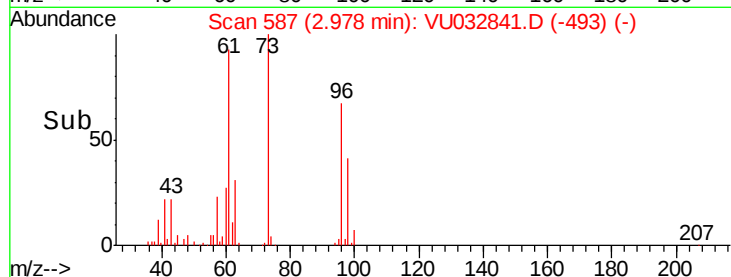
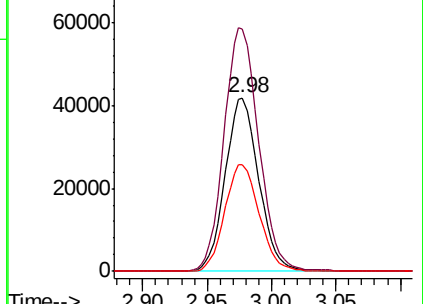
98 61.4 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032841.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU032841.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU032841.D (-493) (-)



#18

Methyl tert-butyl Ether

Concen: 51.479 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

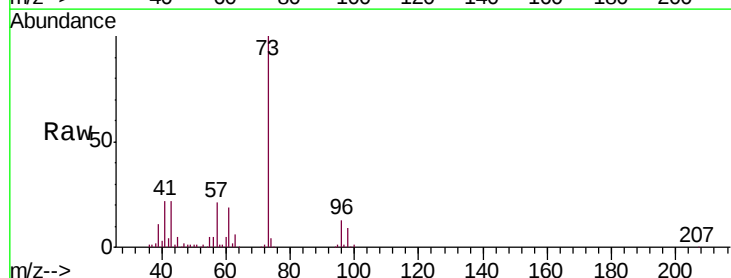
Tgt Ion: 73 Resp: 253693

Ion Ratio Lower Upper

73 100

43 22.6 17.8 26.8

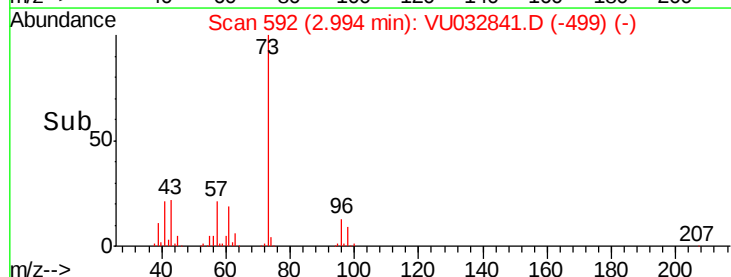
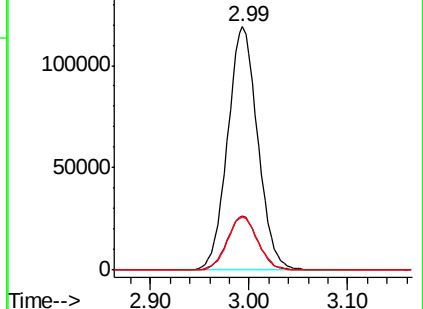
57 22.1 17.8 26.6

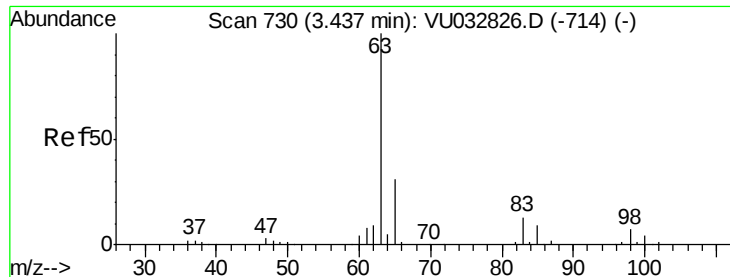


Abundance Ion 73.00 (72.70 to 73.70): VU032841.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU032841.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU032841.D (-499) (-)

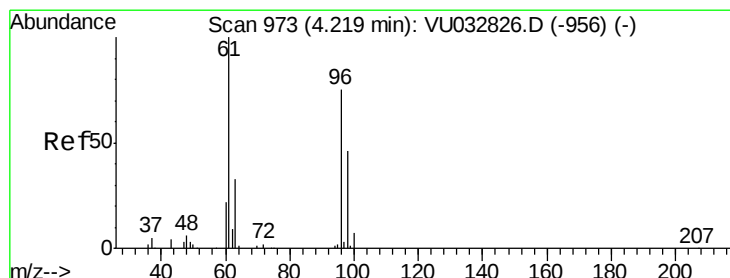
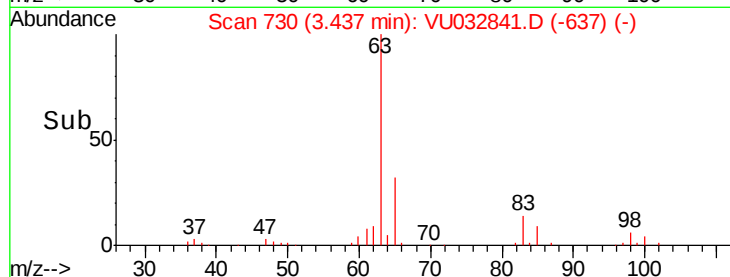
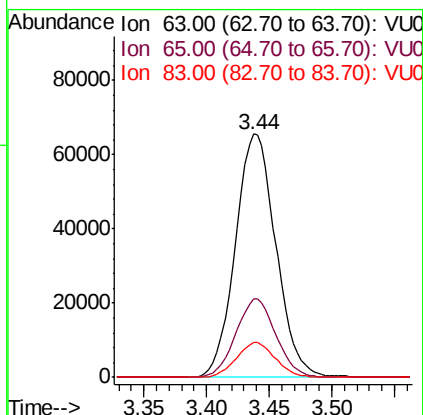
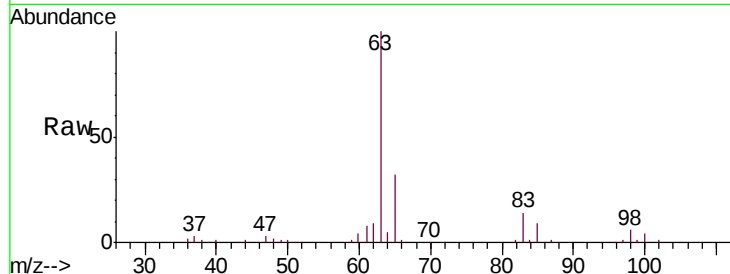




#19
 1,1-Dichloroethane
 Concen: 50.254 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

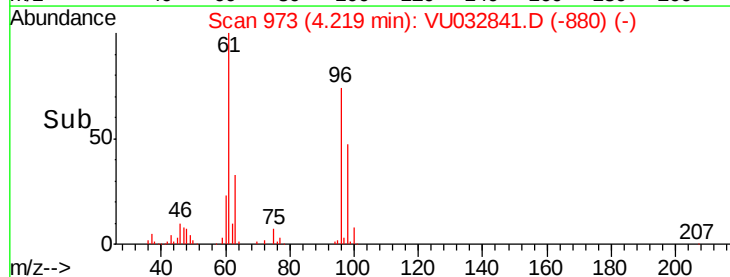
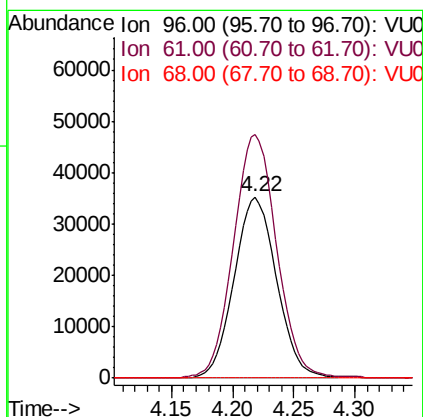
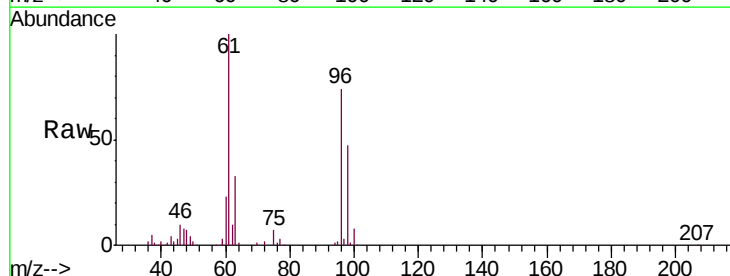
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

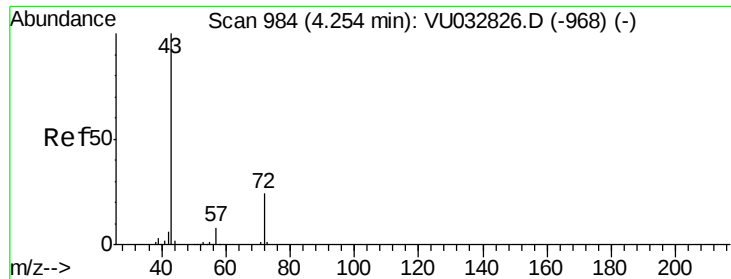
Tgt Ion: 63 Resp: 147058
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.0 41.0
 83 14.1 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 50.928 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

Tgt Ion: 96 Resp: 85160
 Ion Ratio Lower Upper
 96 100
 61 134.5 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 82.937 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

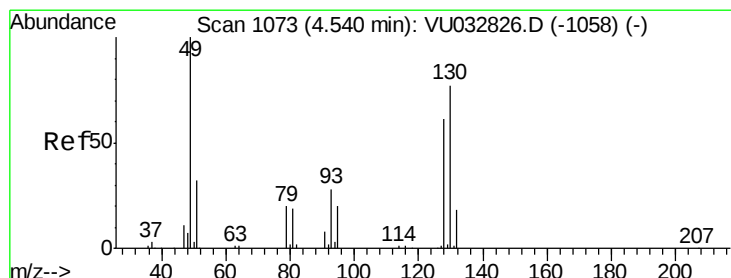
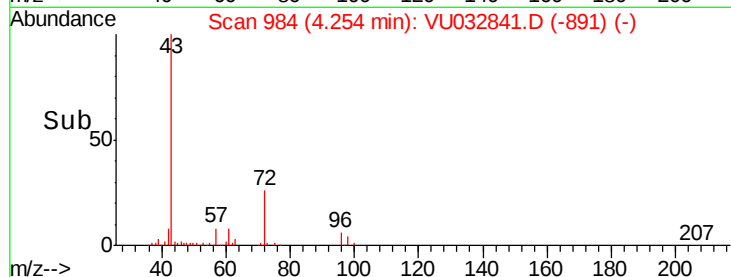
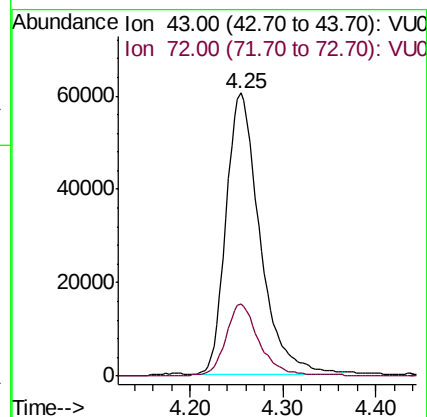
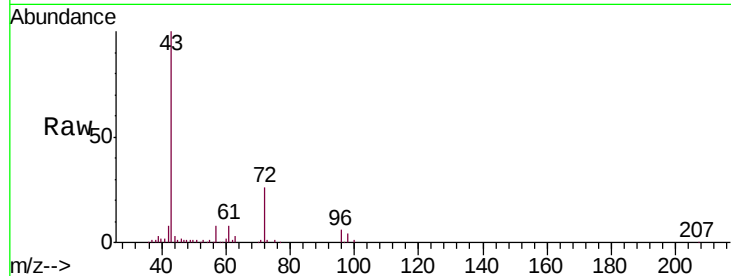
VSTD05055

Tgt Ion: 43 Resp: 151805

Ion Ratio Lower Upper

43 100

72 25.9 12.9 38.6



#23

Bromochloromethane

Concen: 50.660 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Tgt Ion: 128 Resp: 44192

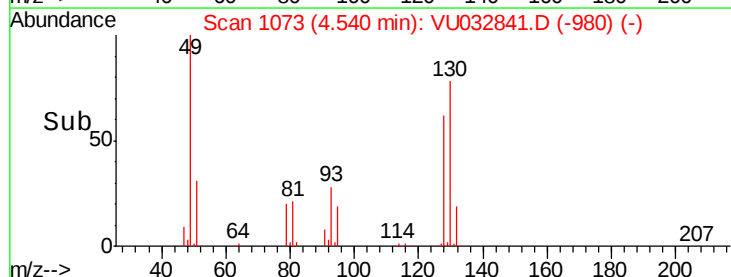
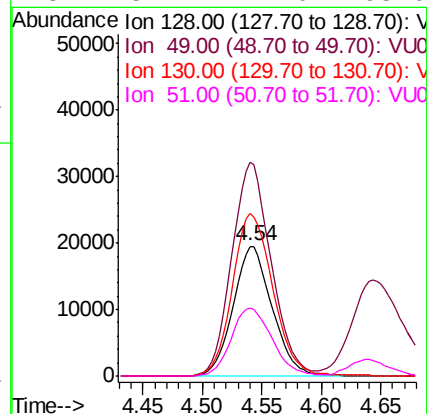
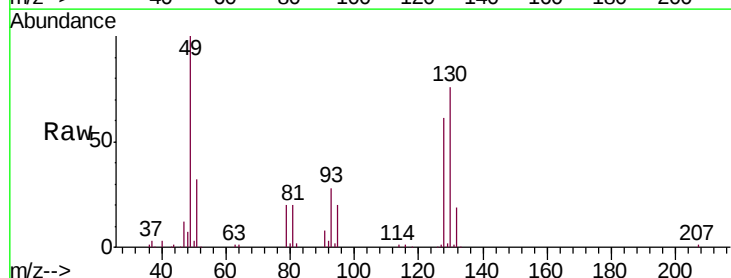
Ion Ratio Lower Upper

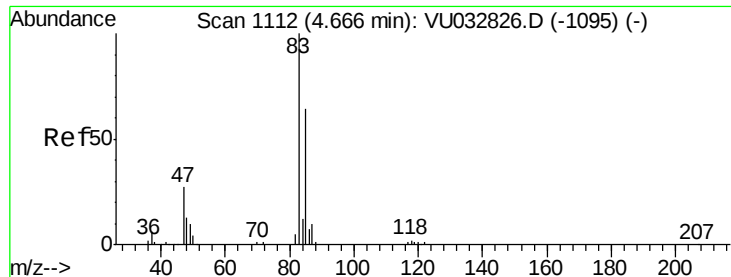
128 100

49 164.6 114.7 212.9

130 125.4 89.4 166.0

51 52.1 42.0 63.0





#25

Chloroform

Concen: 50.357 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

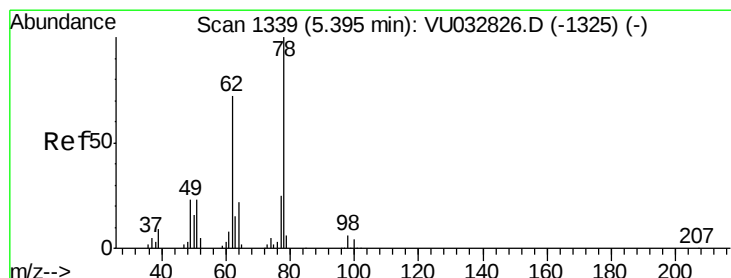
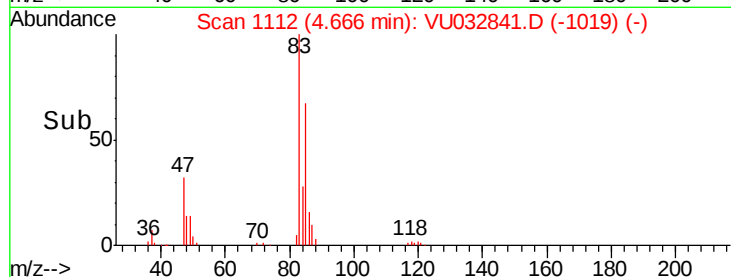
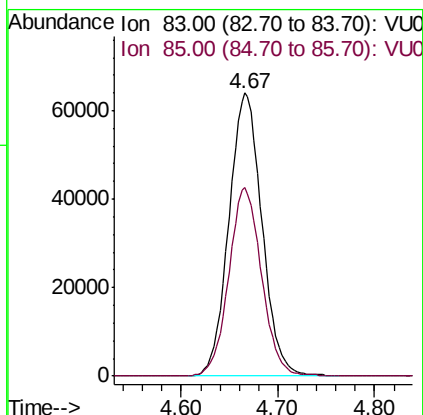
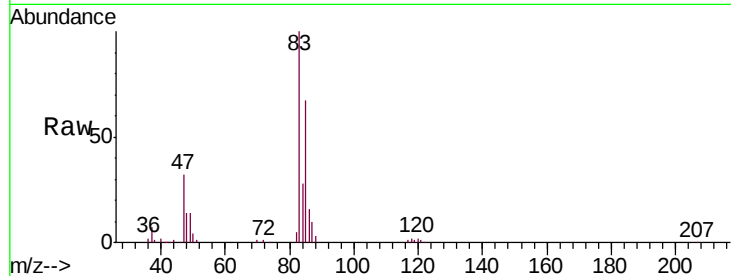
VSTD05055

Tgt Ion: 83 Resp: 151963

Ion Ratio Lower Upper

83 100

85 66.8 44.2 82.2



#27

1,2-Dichloroethane

Concen: 51.955 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU032841.D

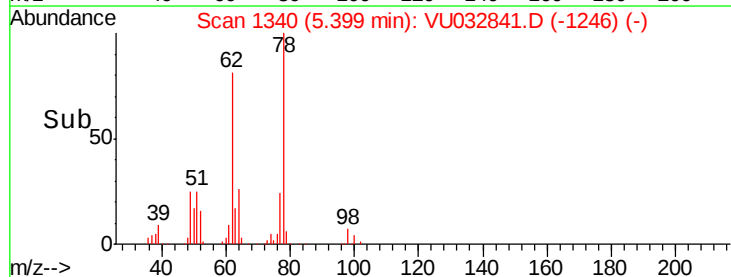
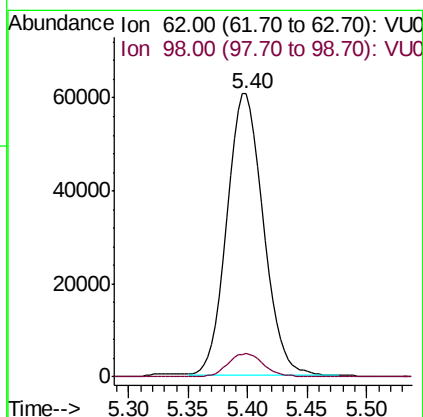
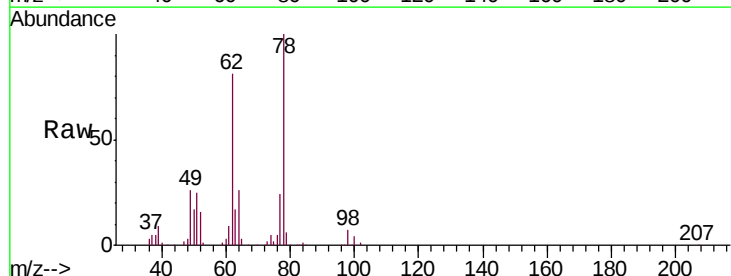
Acq: 18 Jun 2019 22:51

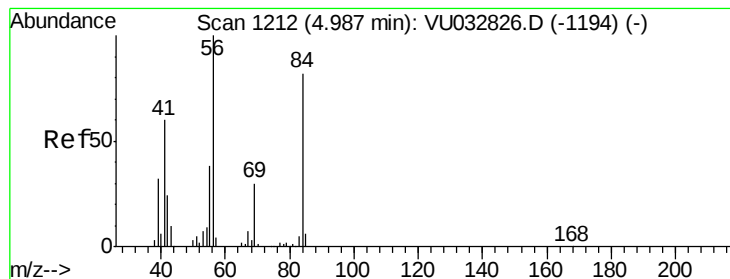
Tgt Ion: 62 Resp: 128802

Ion Ratio Lower Upper

62 100

98 8.2 6.6 10.0





#29

Cyclohexane

Concen: 50.266 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

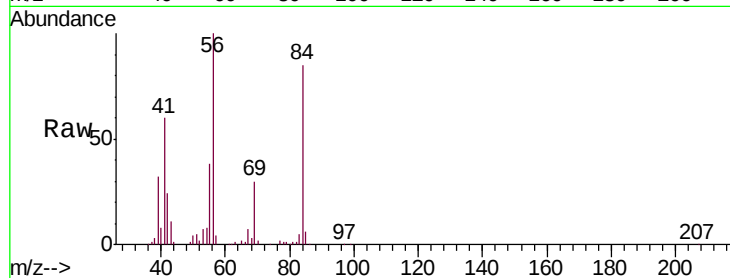
Tgt Ion: 56 Resp: 128638

Ion Ratio Lower Upper

56 100

69 29.7 24.2 36.4

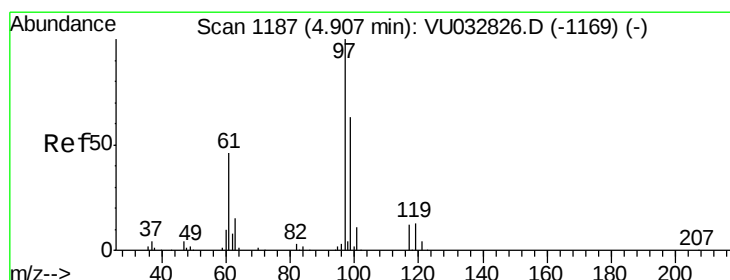
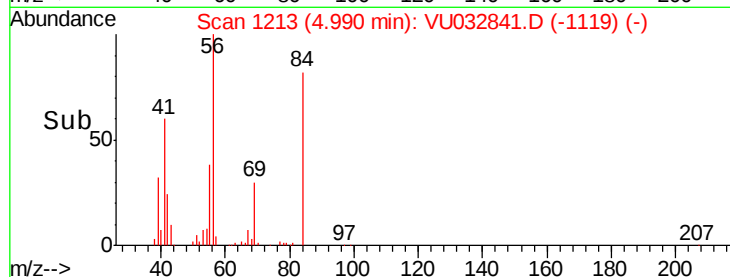
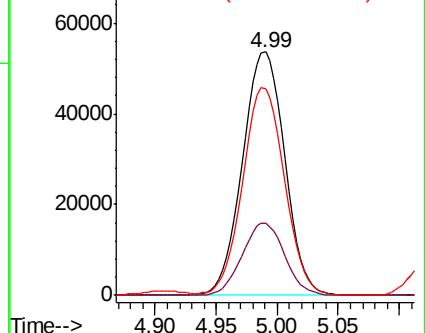
84 84.9 68.0 102.0



Abundance Ion 56.00 (55.70 to 56.70): VU032841.D (-1194) (-)

Ion 69.00 (68.70 to 69.70): VU032841.D (-1194) (-)

Ion 84.00 (83.70 to 84.70): VU032841.D (-1194) (-)



#30

1,1,1-Trichloroethane

Concen: 49.869 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

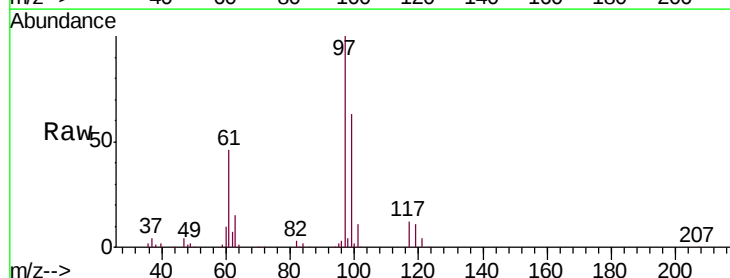
Tgt Ion: 97 Resp: 133160

Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

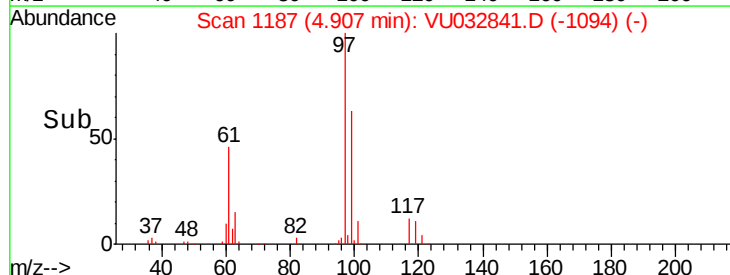
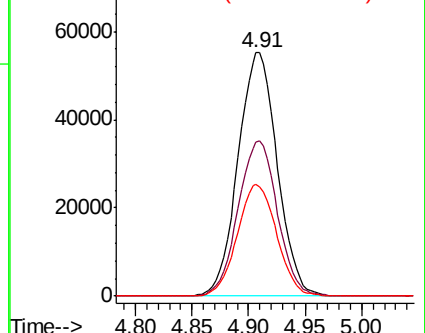
61 46.2 36.7 55.1

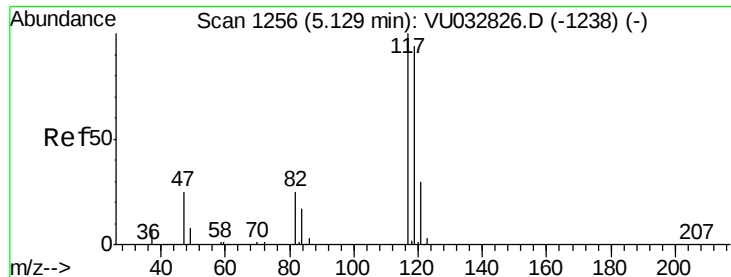


Abundance Ion 97.00 (96.70 to 97.70): VU032841.D (-1094) (-)

Ion 99.00 (98.70 to 99.70): VU032841.D (-1094) (-)

Ion 61.05 (60.75 to 61.75): VU032841.D (-1094) (-)





#31

Carbon tetrachloride

Concen: 49.266 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

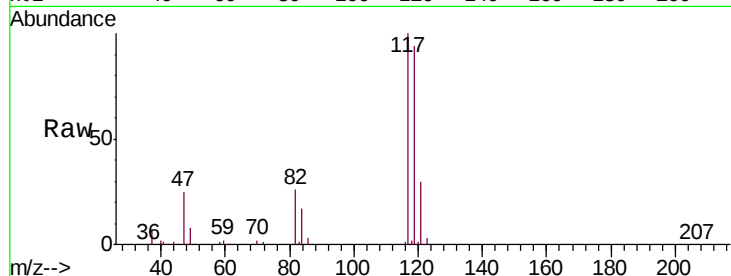
VSTD05055

Tgt Ion:117 Resp: 119696

Ion Ratio Lower Upper

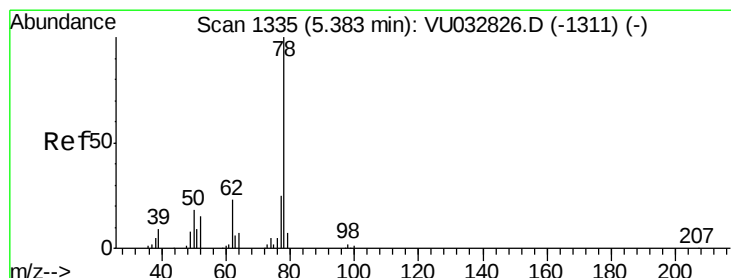
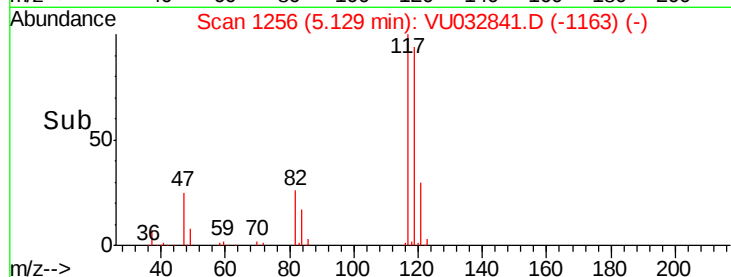
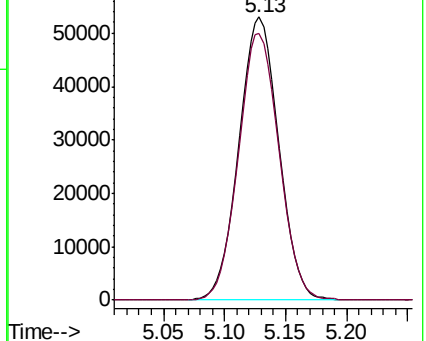
117 100

119 96.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.809 ug/L

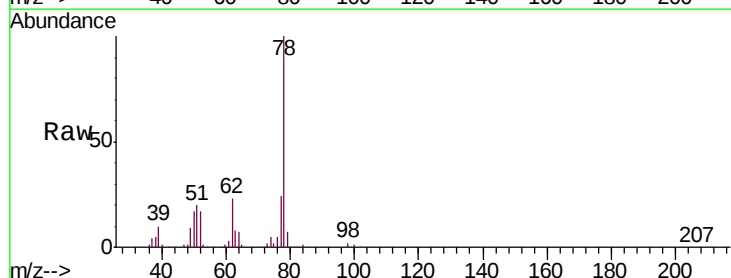
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

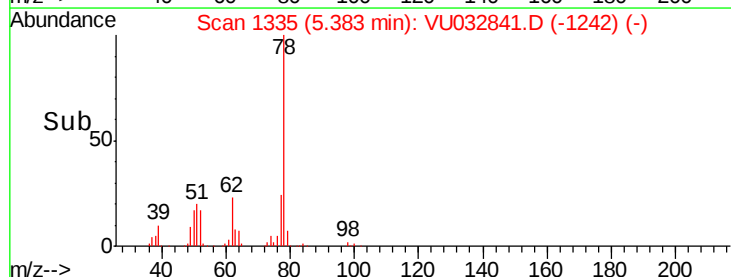
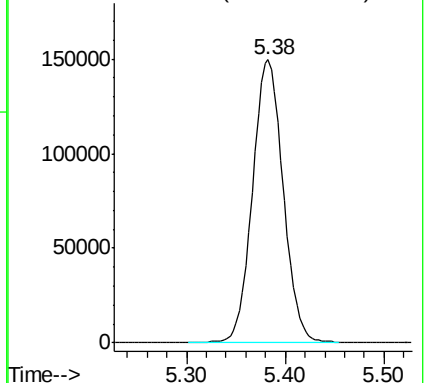
Lab File: VU032841.D

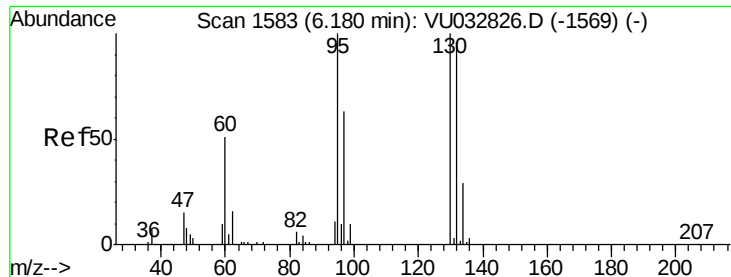
Acq: 18 Jun 2019 22:51

Tgt Ion: 78 Resp: 320794



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.884 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

Tgt Ion: 95 Resp: 84152

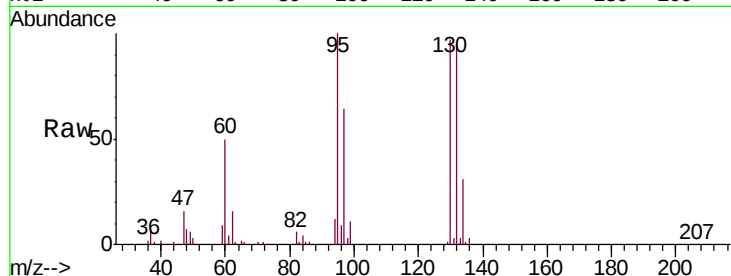
Ion Ratio Lower Upper

95 100

97 64.3 45.9 85.3

132 95.2 68.5 127.3

130 97.0 70.8 131.4

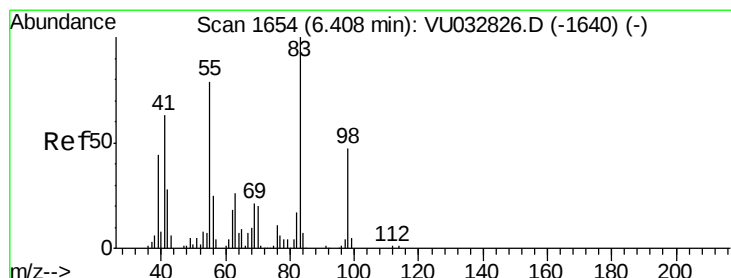
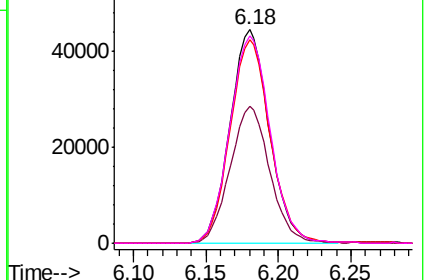
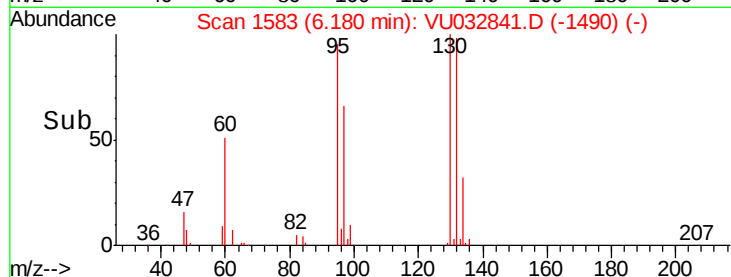


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.668 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

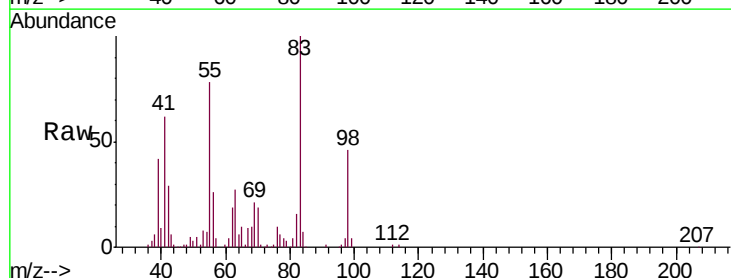
Tgt Ion: 83 Resp: 129512

Ion Ratio Lower Upper

83 100

55 77.6 62.6 94.0

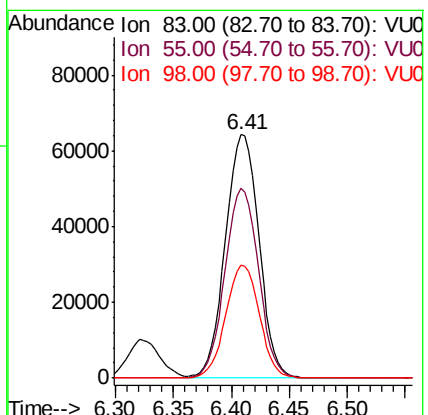
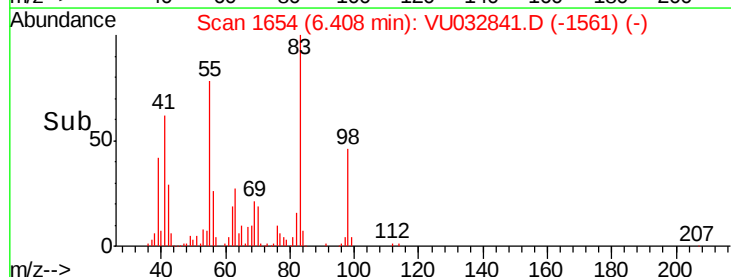
98 46.3 37.4 56.0

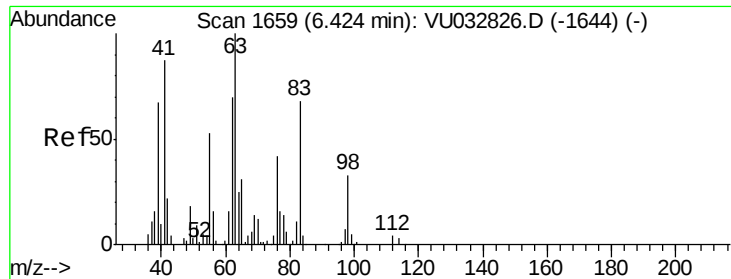


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

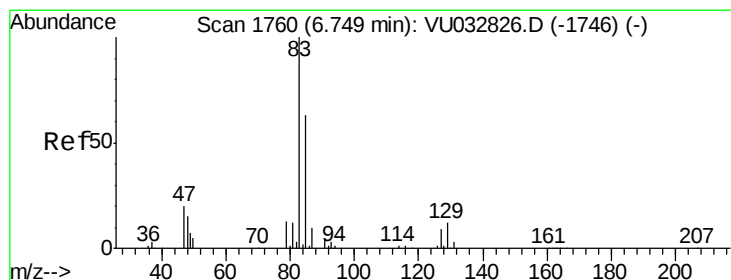
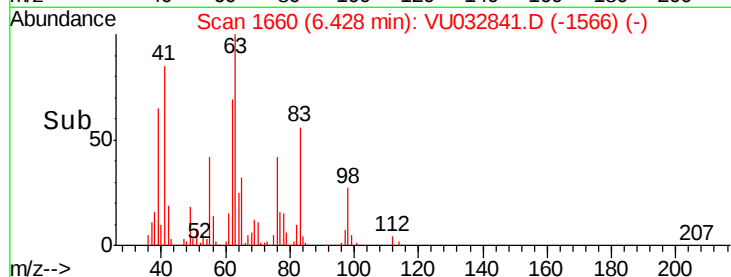
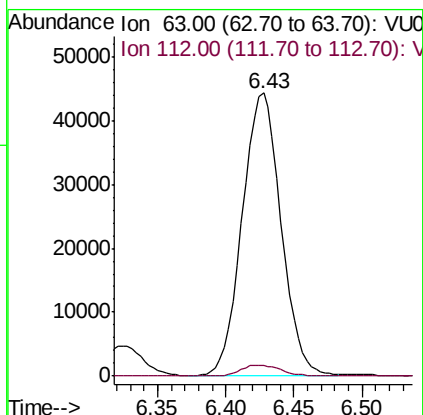
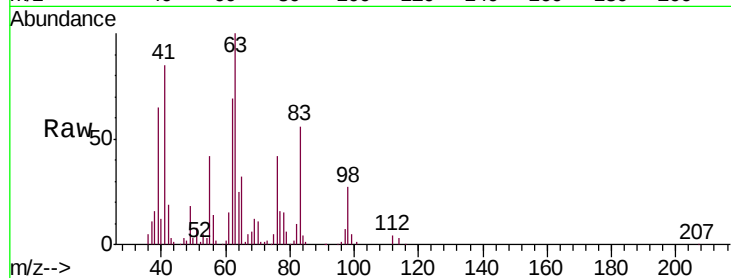




#37
 1,2-Dichloropropane
 Concen: 50.323 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

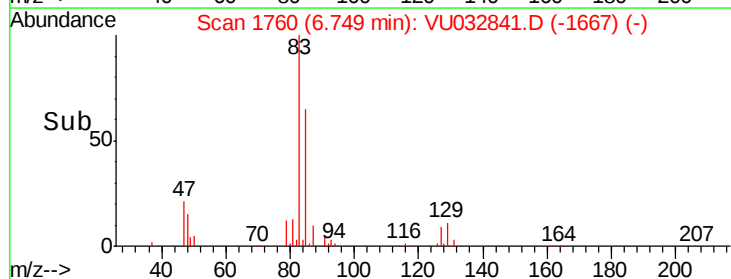
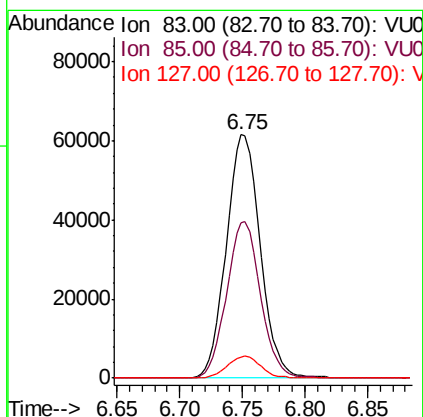
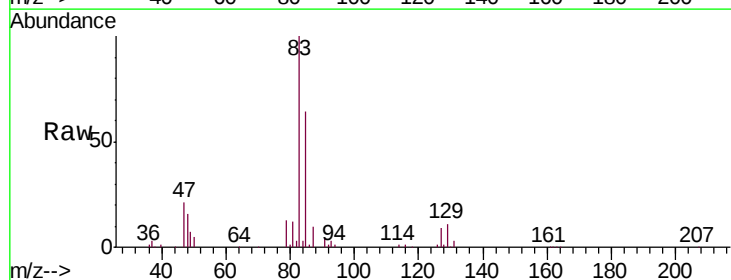
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

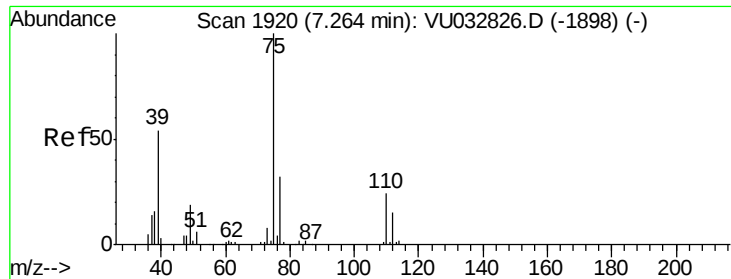
Tgt Ion: 63 Resp: 87154
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 49.738 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

Tgt Ion: 83 Resp: 115829
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.0 83.6
 127 8.8 7.0 10.6

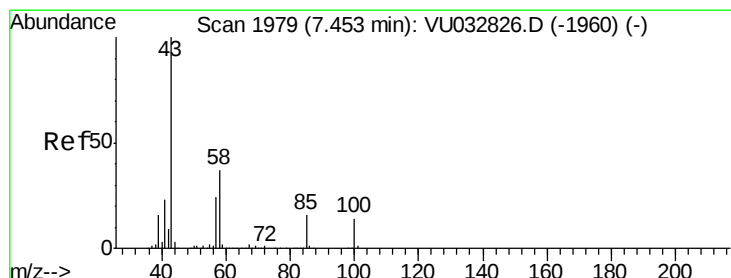
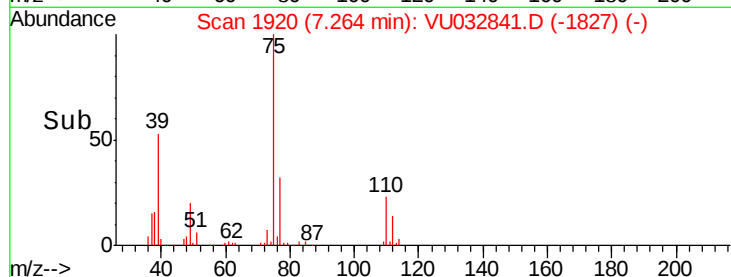
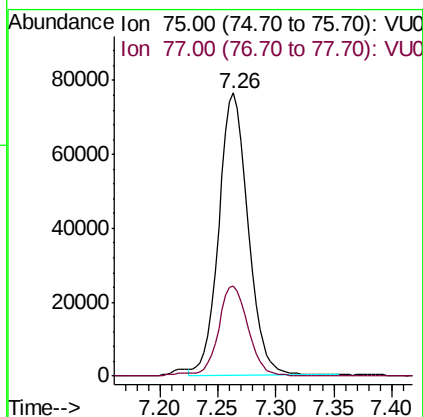
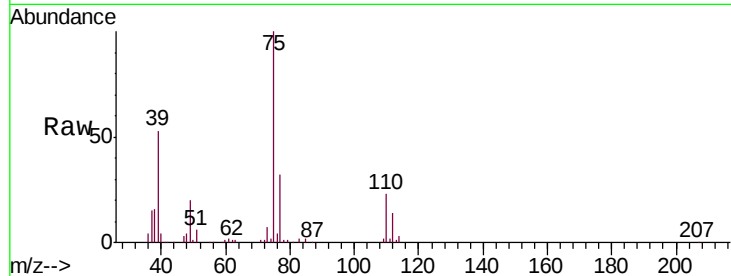




#39
 cis-1,3-Dichloropropene
 Concen: 49.763 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

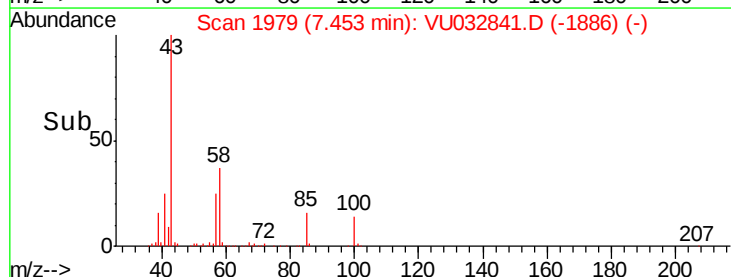
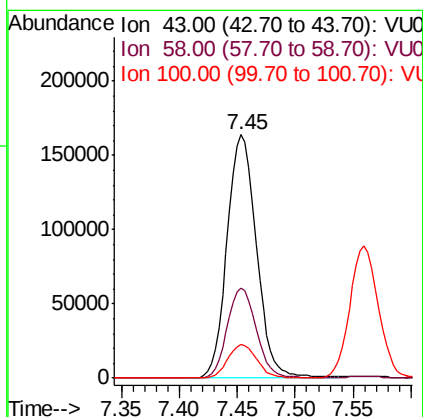
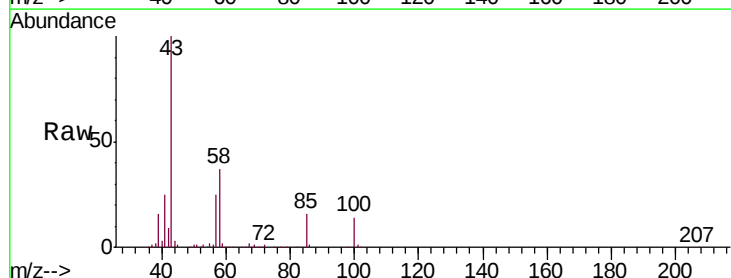
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

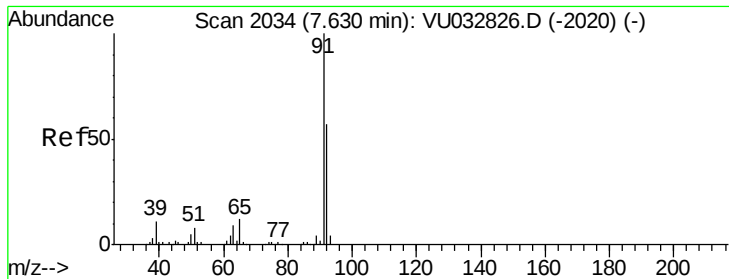
Tgt Ion: 75 Resp: 134272
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 104.700 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

Tgt Ion: 43 Resp: 289500
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.2
 100 13.6 11.2 16.8





#42

Toluene

Concen: 50.952 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

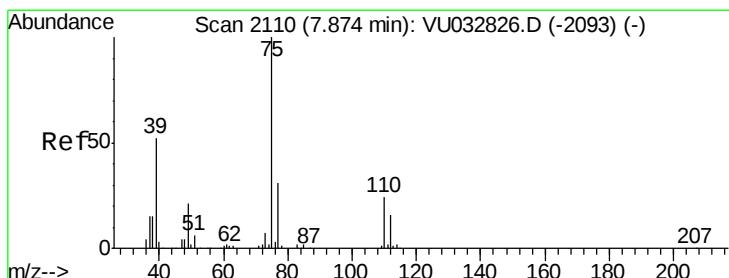
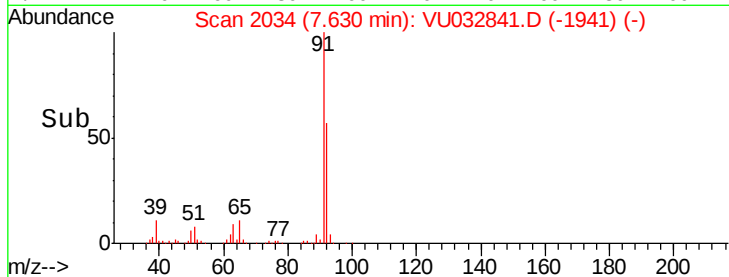
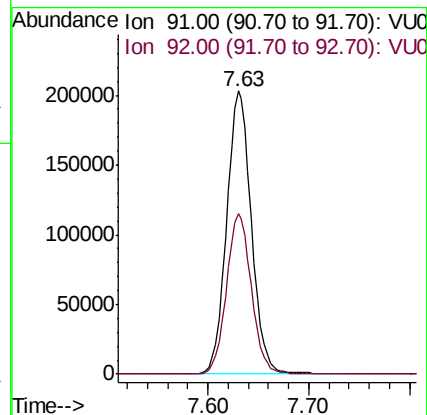
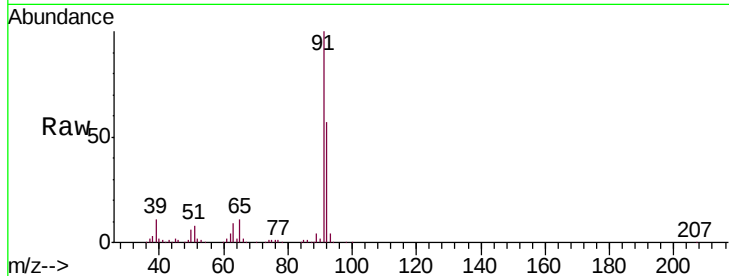
VSTD05055

Tgt Ion: 91 Resp: 348059

Ion Ratio Lower Upper

91 100

92 56.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 50.136 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032841.D

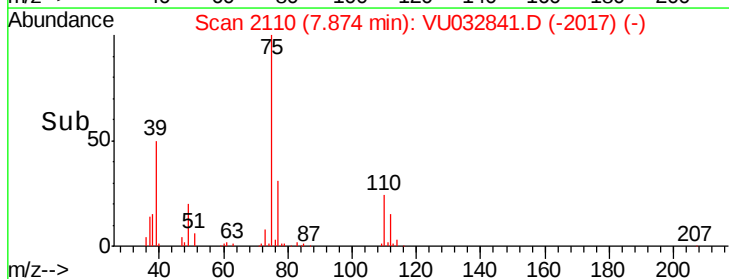
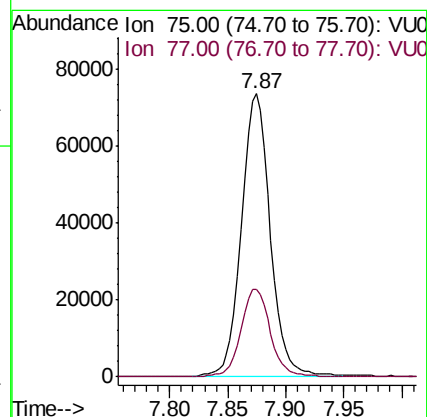
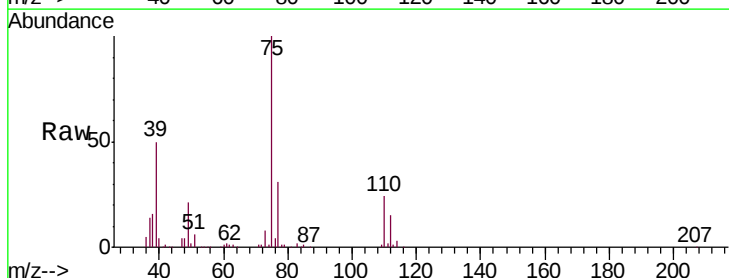
Acq: 18 Jun 2019 22:51

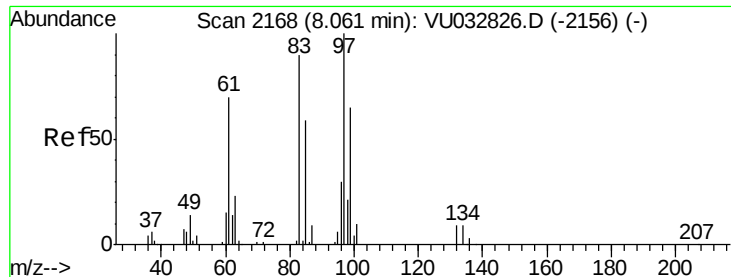
Tgt Ion: 75 Resp: 127063

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.4

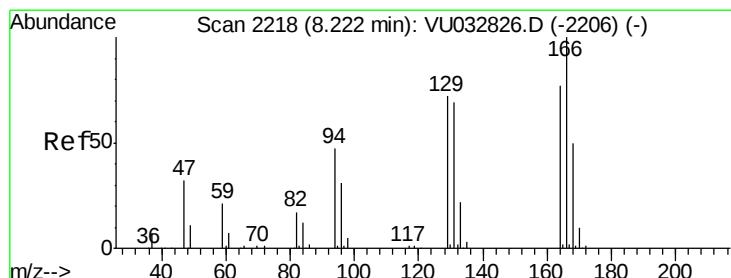
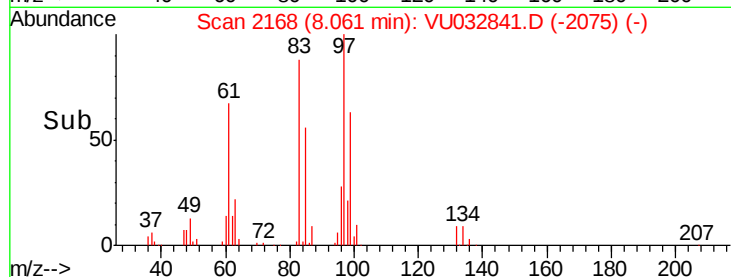
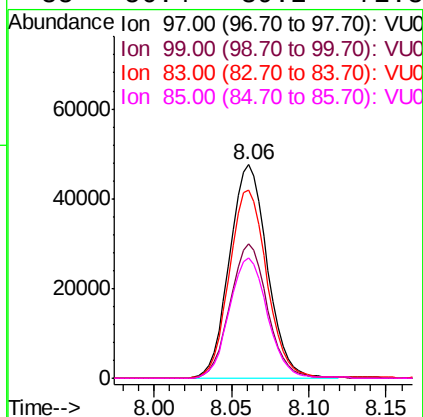
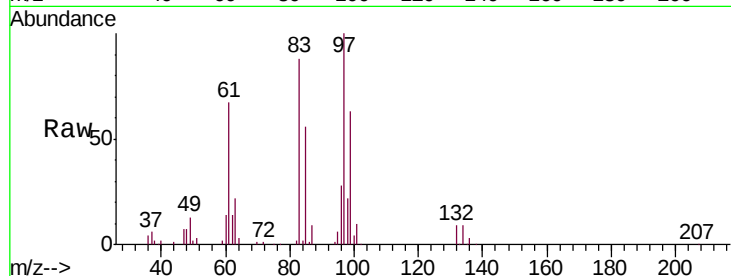




#45
 1,1,2-Trichloroethane
 Concen: 50.063 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

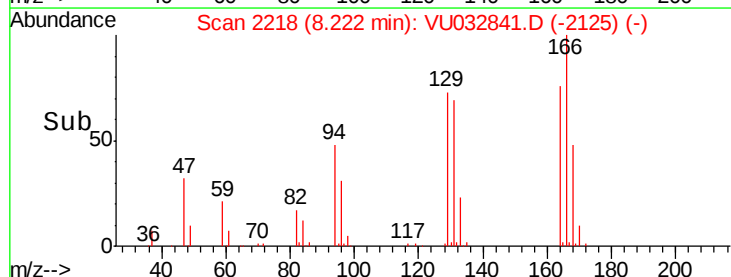
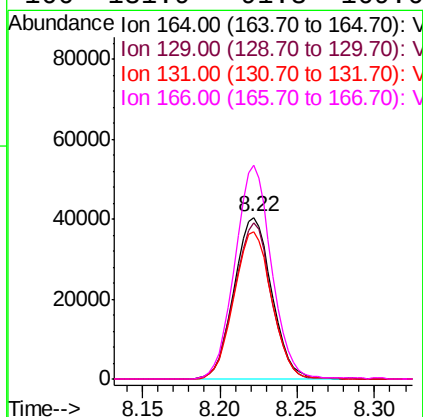
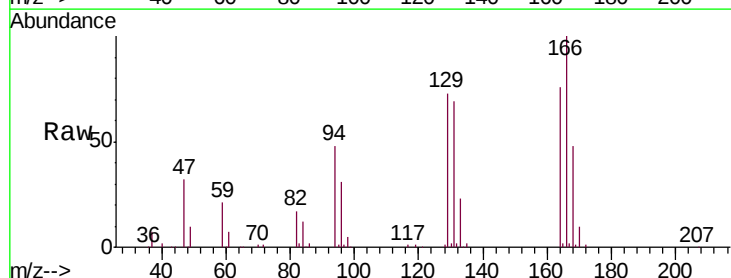
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

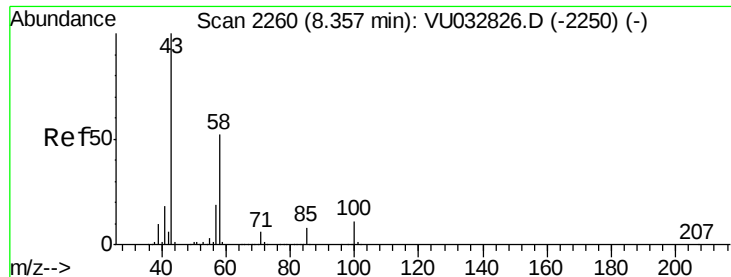
Tgt Ion:	97	Resp:	80701
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.1	80.1
83	88.3	61.4	114.0
85	56.4	39.2	72.8



#46
 Tetrachloroethene
 Concen: 49.369 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

Tgt Ion:	164	Resp:	68244
Ion	Ratio	Lower	Upper
164	100		
129	96.9	64.8	120.3
131	90.9	64.5	119.7
166	131.9	91.3	169.6

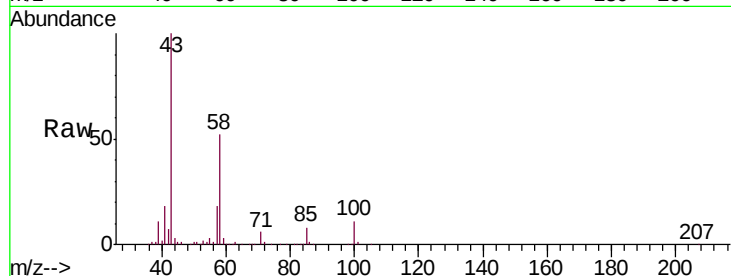




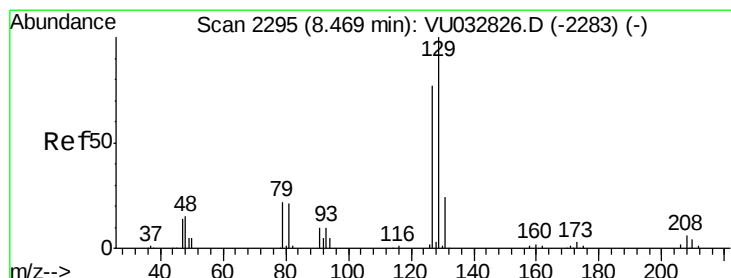
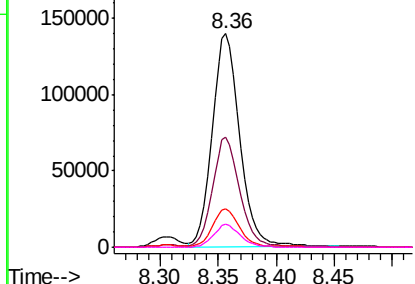
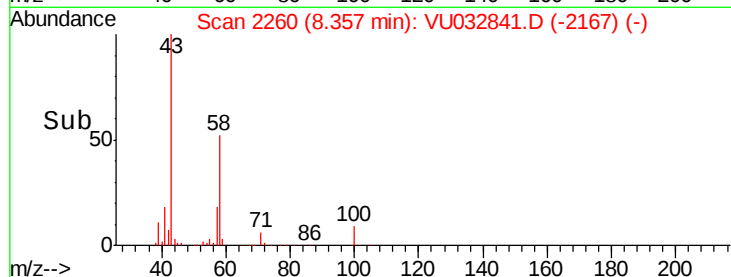
#48
2-Hexanone
Concen: 95.087 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032841.D
Acq: 18 Jun 2019 22:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Tgt Ion:	43	Resp:	231976
Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.2	60.2
57	17.4	14.2	21.4
100	10.3	8.4	12.6

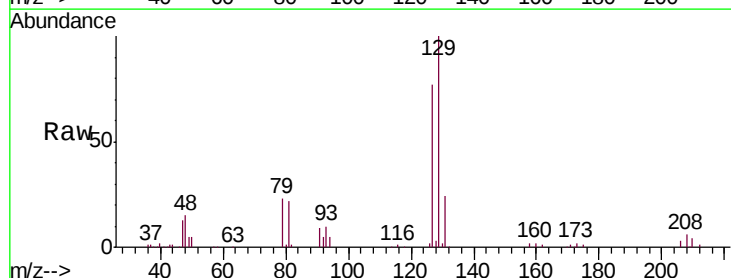


Abundance Ion 43.00 (42.70 to 43.70): VU032841.D (-2167) (-)
Ion 58.00 (57.70 to 58.70): VU032841.D (-2167) (-)
Ion 57.00 (56.70 to 57.70): VU032841.D (-2167) (-)
Ion 100.00 (99.70 to 100.70): VU032841.D (-2167) (-)

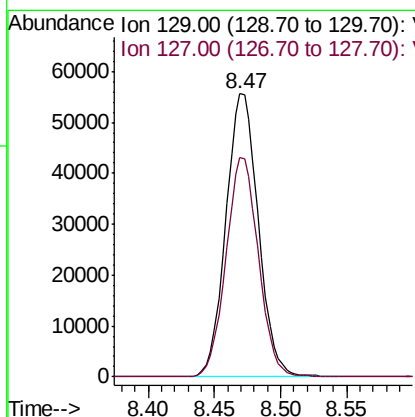
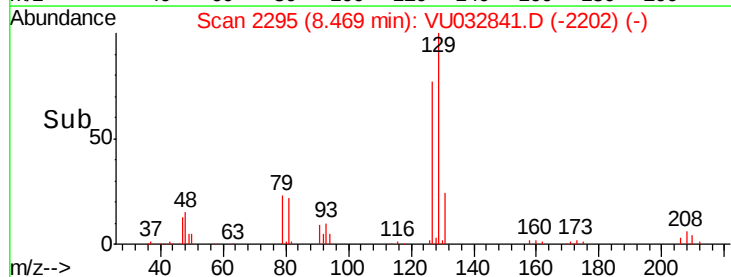


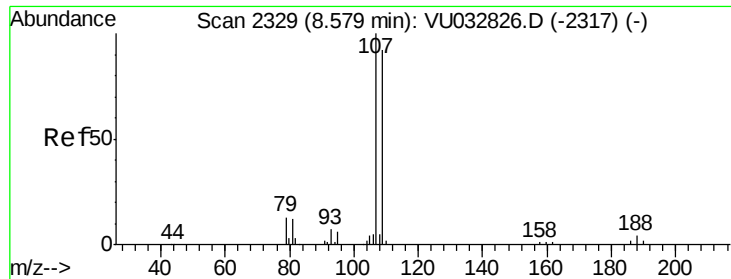
#49
Dibromochloromethane
Concen: 48.675 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU032841.D
Acq: 18 Jun 2019 22:51

Tgt Ion:	129	Resp:	94590
Ion	Ratio	Lower	Upper
129	100		
127	77.4	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): VU032841.D (-2202) (-)
Ion 127.00 (126.70 to 127.70): VU032841.D (-2202) (-)

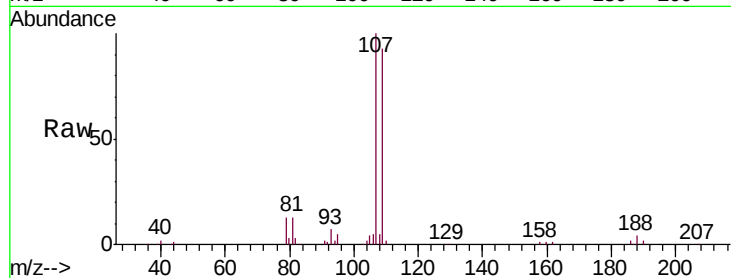




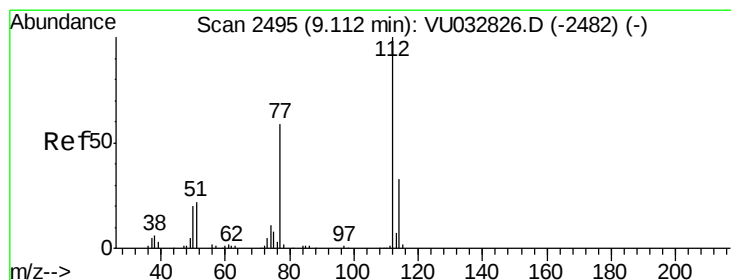
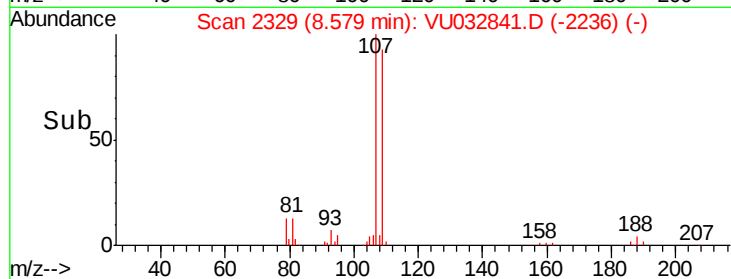
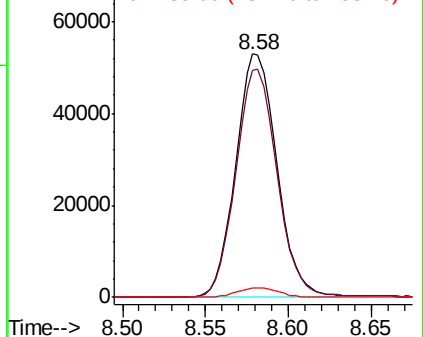
#50
1,2-Dibromoethane
Concen: 51.044 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU032841.D
Acq: 18 Jun 2019 22:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Tgt Ion:107 Resp: 91380
Ion Ratio Lower Upper
107 100
109 93.4 65.4 121.4
188 3.9 3.1 4.7

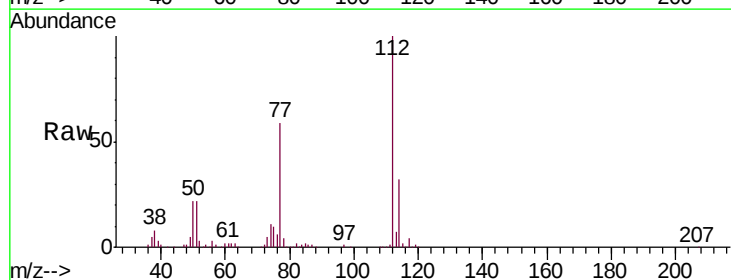


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

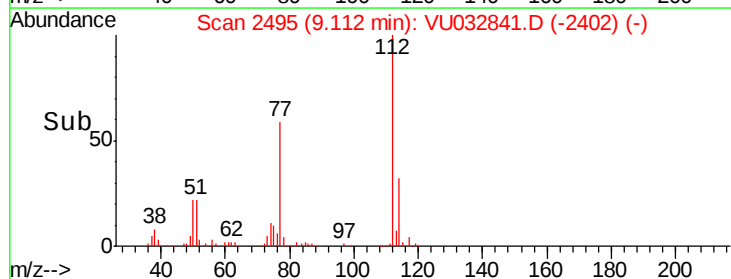
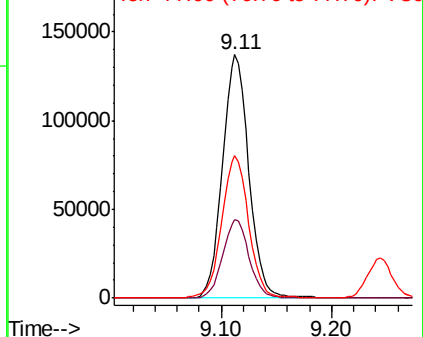


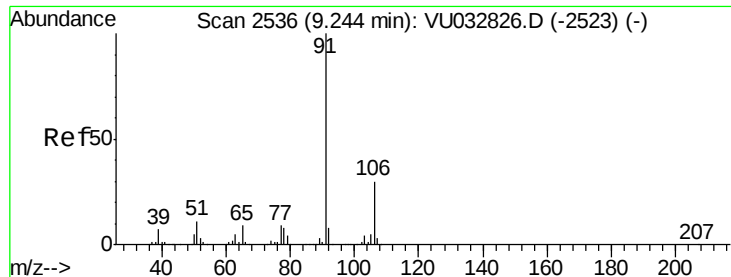
#51
Chlorobenzene
Concen: 50.492 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032841.D
Acq: 18 Jun 2019 22:51

Tgt Ion:112 Resp: 226975
Ion Ratio Lower Upper
112 100
114 32.5 22.8 42.4
77 58.6 46.3 69.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 51.855 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

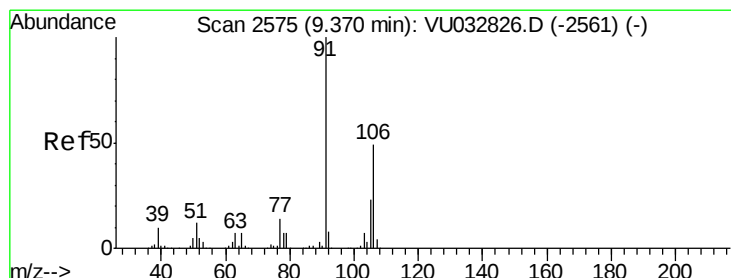
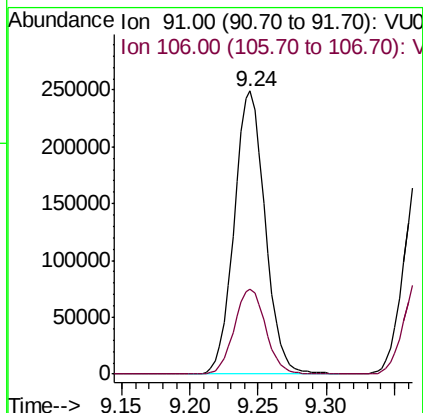
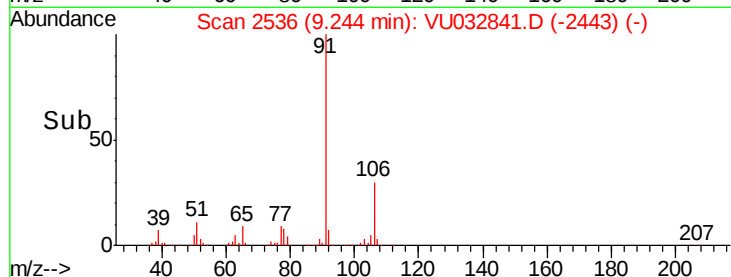
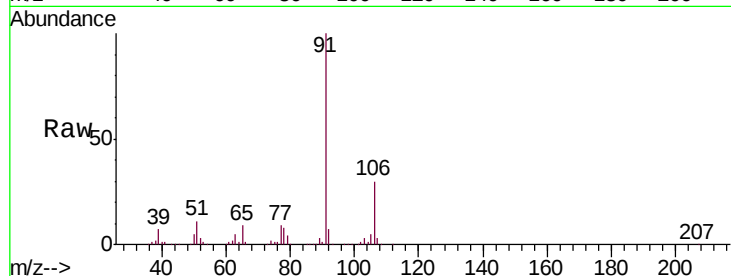
VSTD05055

Tgt Ion: 91 Resp: 392098

Ion Ratio Lower Upper

91 100

106 30.2 21.8 40.4



#53

m,p-Xylene

Concen: 51.020 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032841.D

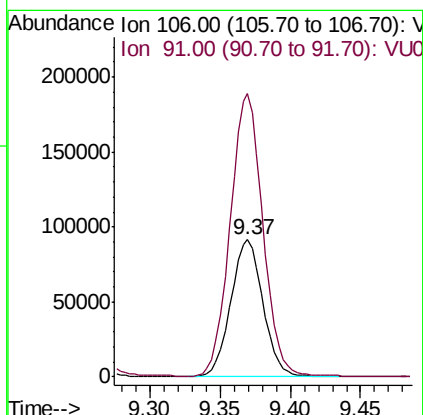
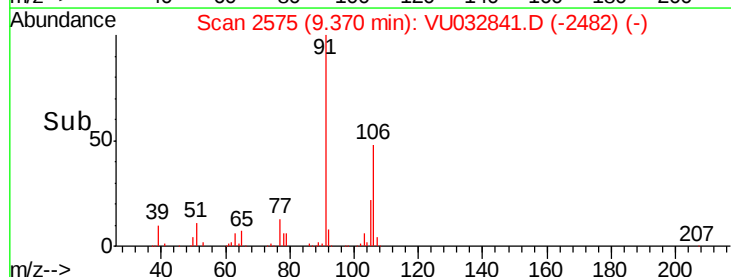
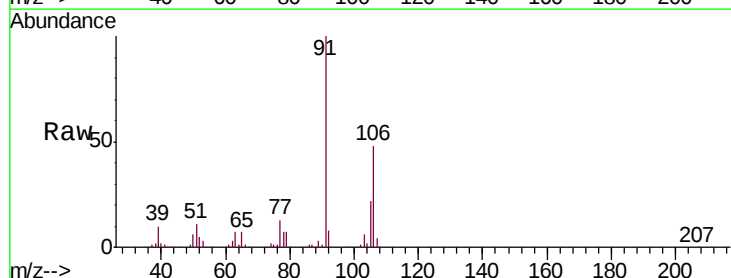
Acq: 18 Jun 2019 22:51

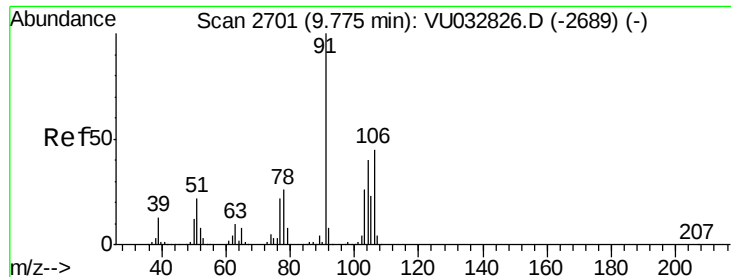
Tgt Ion: 106 Resp: 145555

Ion Ratio Lower Upper

106 100

91 206.7 142.9 265.5





#54

o-xylene

Concen: 51.877 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

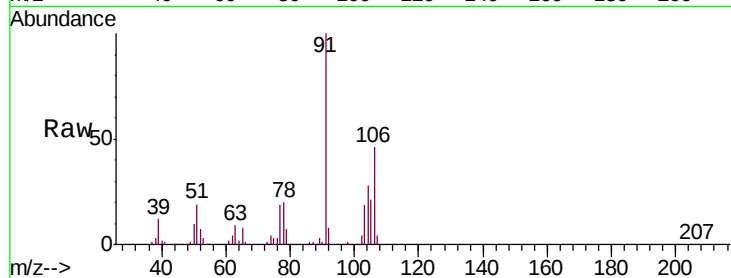
VSTD05055

Tgt Ion:106 Resp: 144532

Ion Ratio Lower Upper

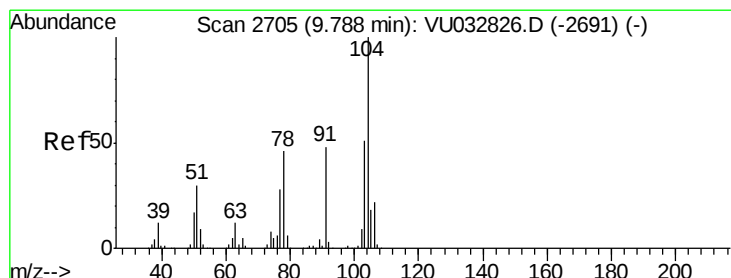
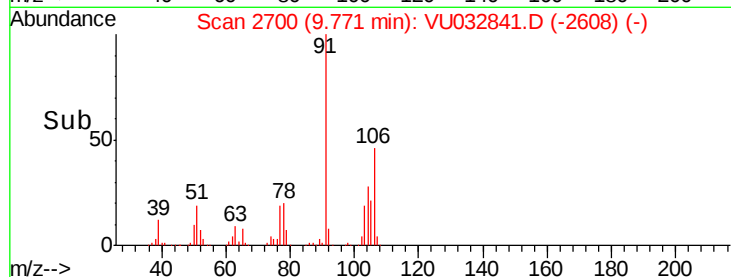
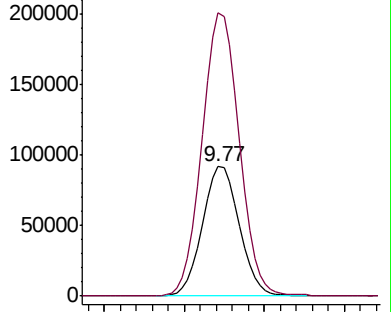
106 100

91 218.2 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.479 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032841.D

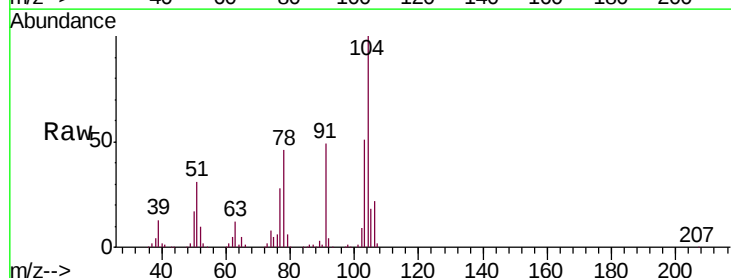
Acq: 18 Jun 2019 22:51

Tgt Ion:104 Resp: 248813

Ion Ratio Lower Upper

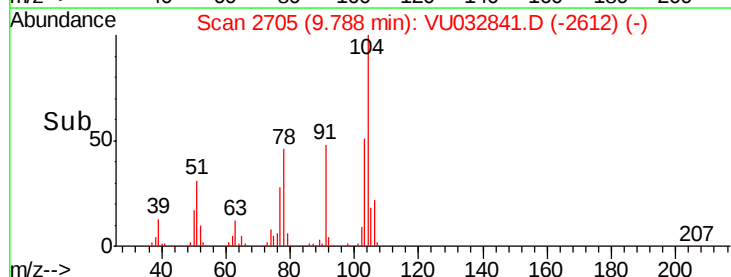
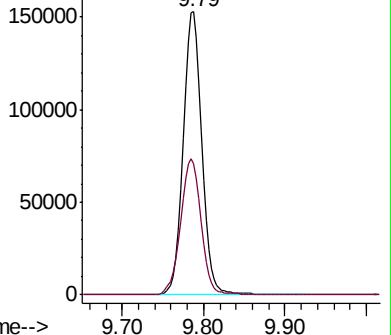
104 100

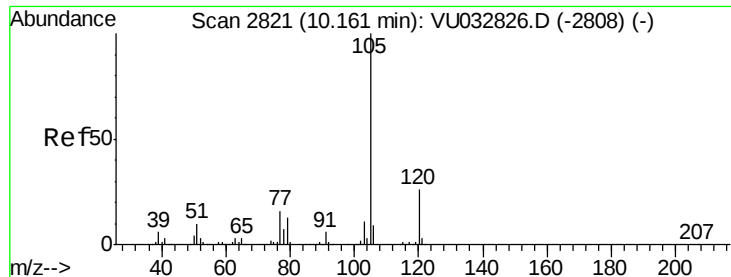
78 46.2 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.083 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

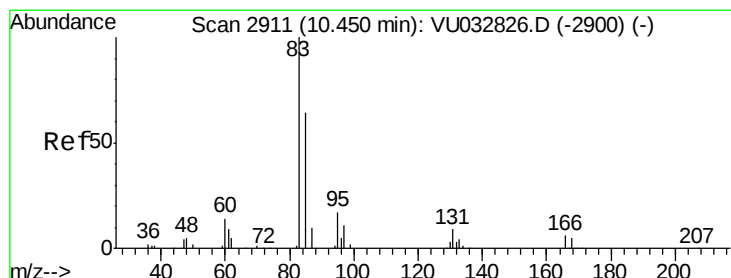
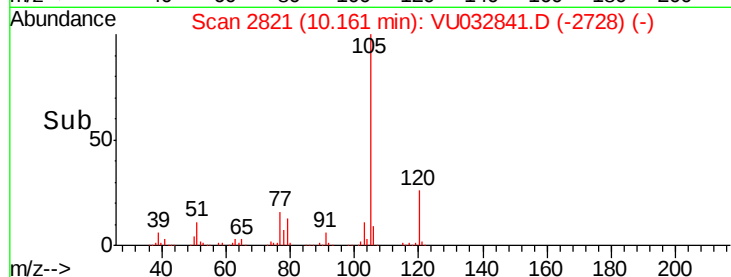
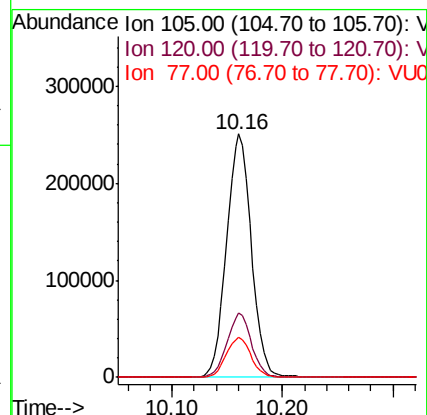
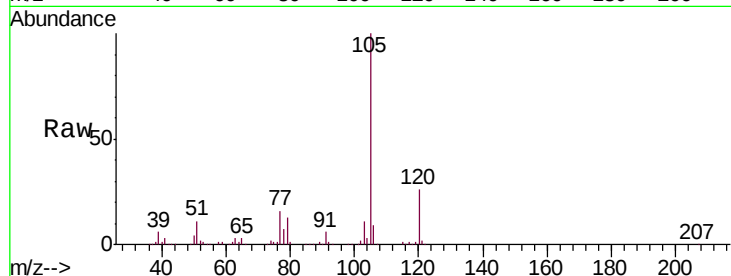
Tgt Ion: 105 Resp: 391054

Ion Ratio Lower Upper

105 100

120 25.9 21.4 32.0

77 16.5 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 50.757 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

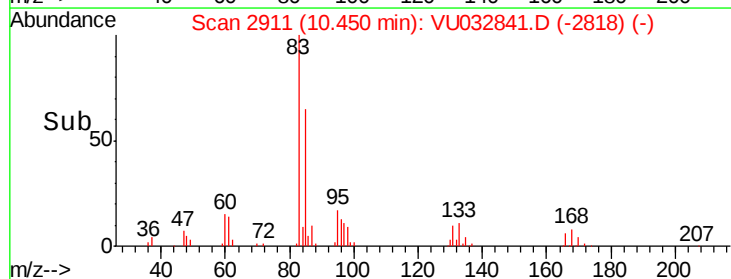
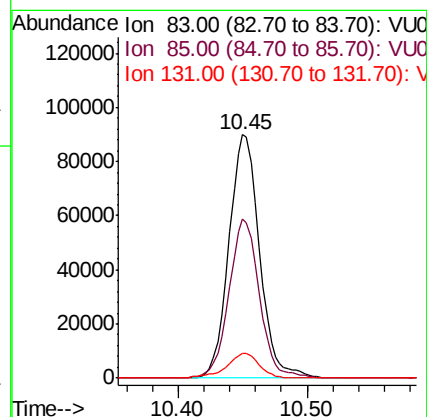
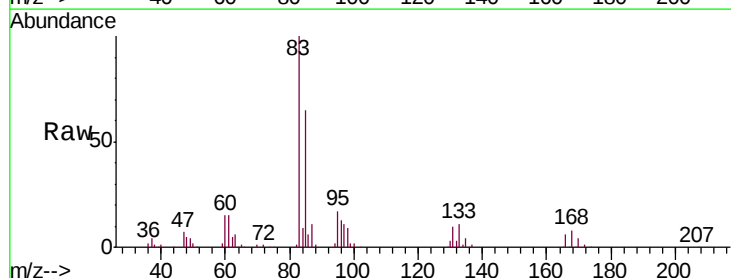
Tgt Ion: 83 Resp: 148053

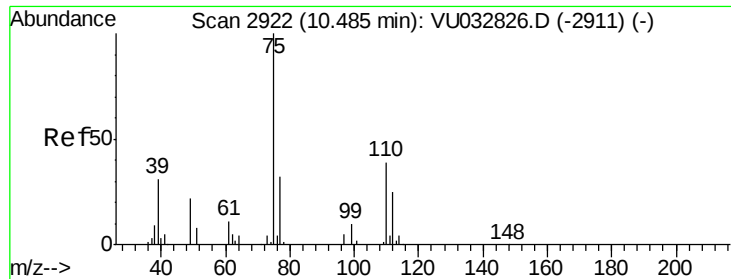
Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.2

131 10.1 7.8 11.8

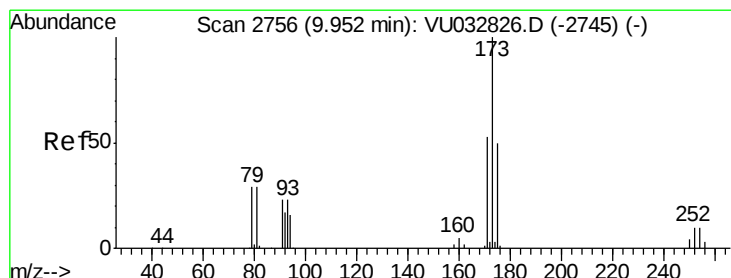
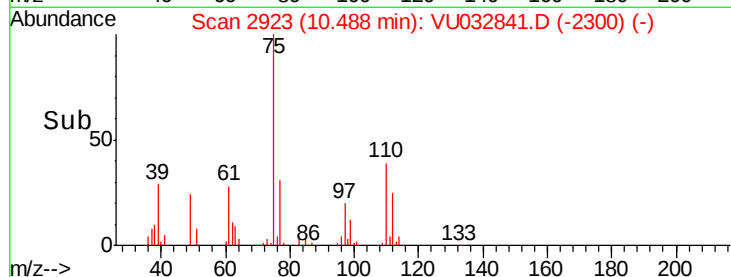
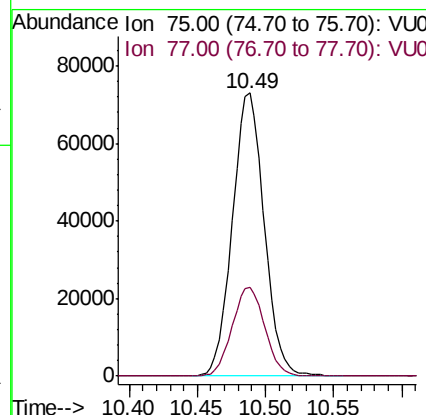
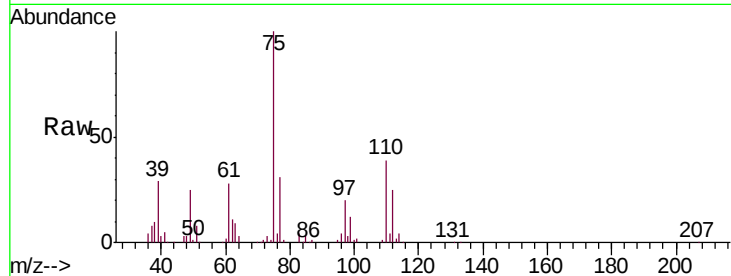




#59
 1,2,3-Trichloropropane
 Concen: 51.227 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

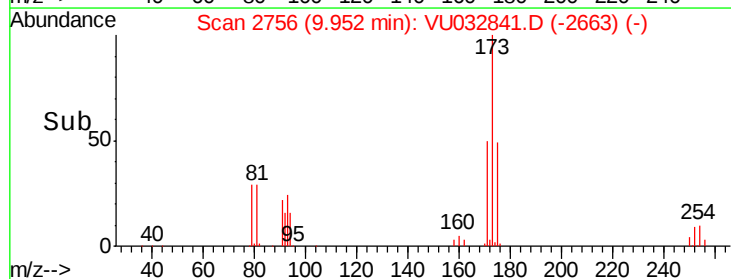
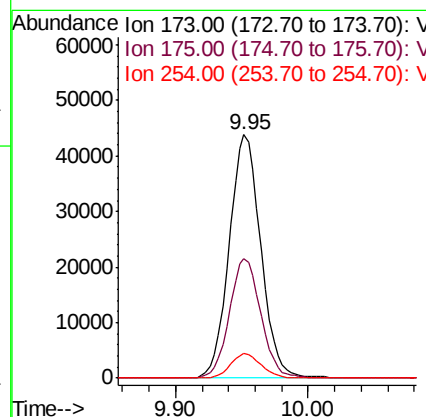
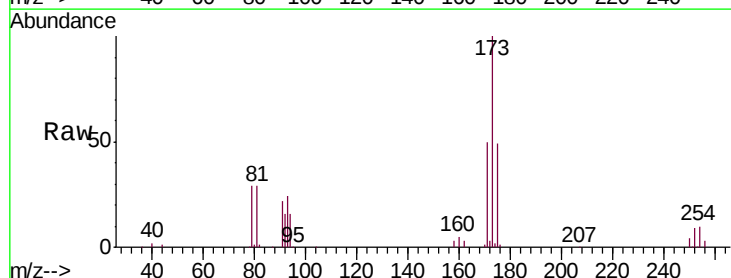
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

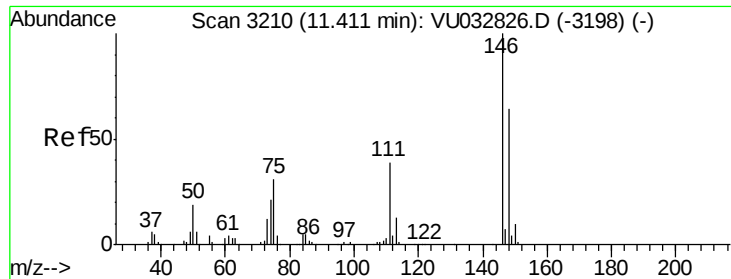
Tgt Ion: 75 Resp: 118399
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3



#61
 Bromoform
 Concen: 46.331 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

Tgt Ion: 173 Resp: 72450
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.4
 254 9.8 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 50.618 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

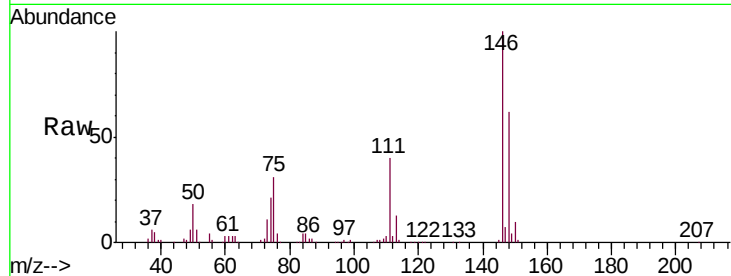
Tgt Ion:146 Resp: 188423

Ion Ratio Lower Upper

146 100

111 39.7 28.4 52.8

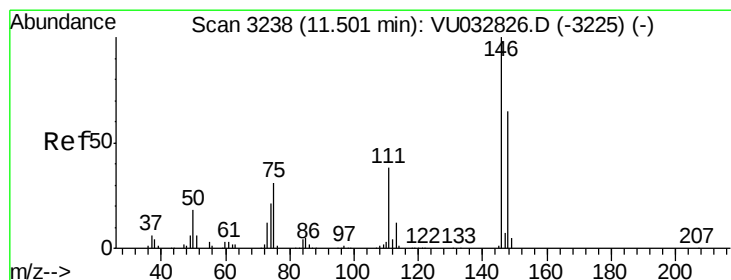
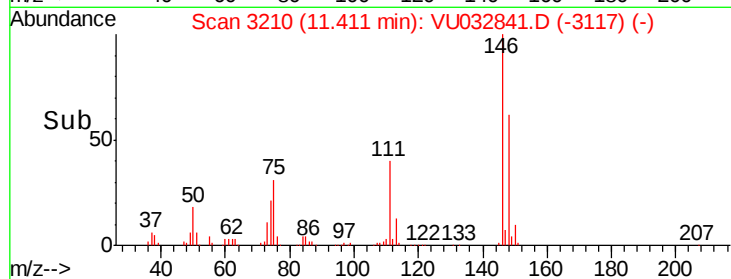
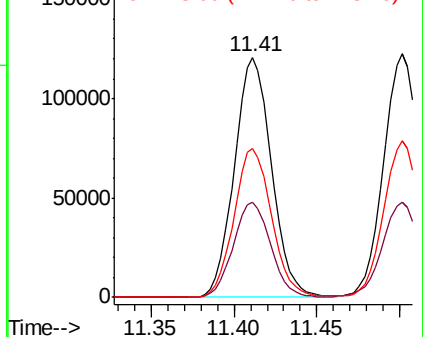
148 61.9 45.5 84.5



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: 49.423 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

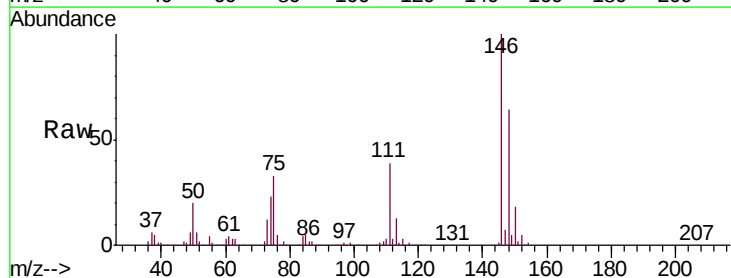
Tgt Ion:146 Resp: 190022

Ion Ratio Lower Upper

146 100

111 39.2 26.9 50.1

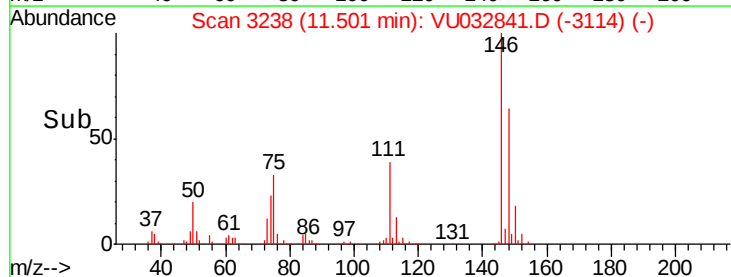
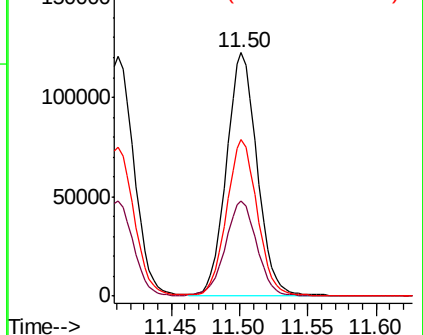
148 64.2 44.7 83.1

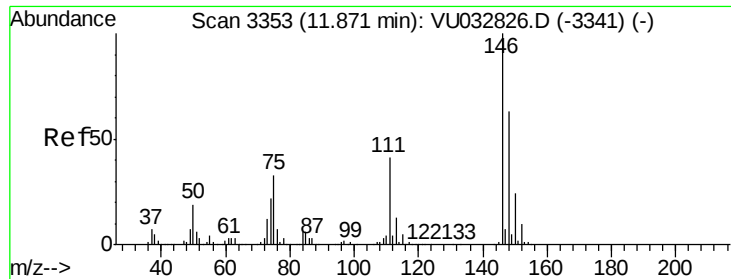


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

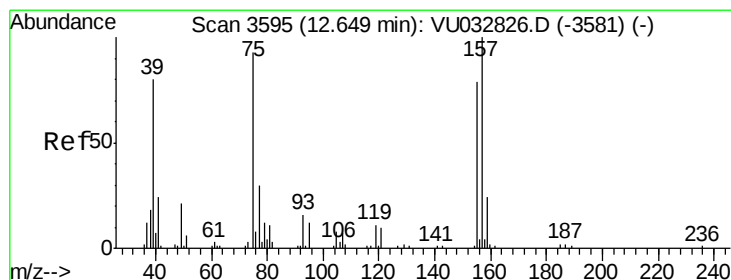
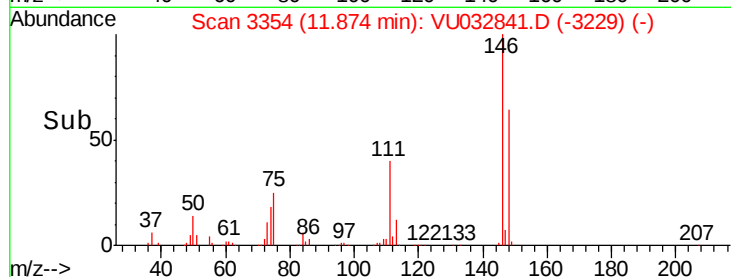
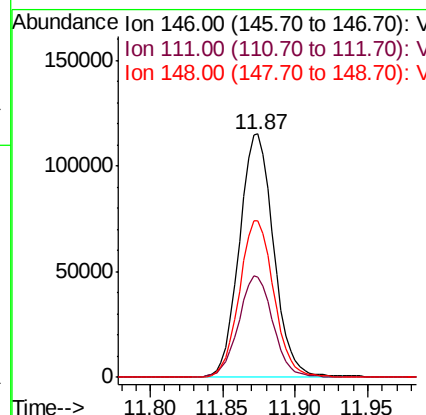
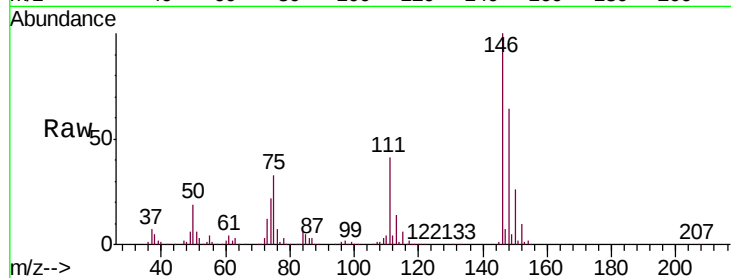




#65
 1,2-Dichlorobenzene
 Concen: 49.912 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

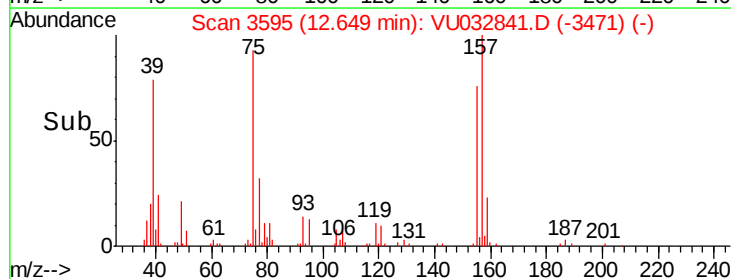
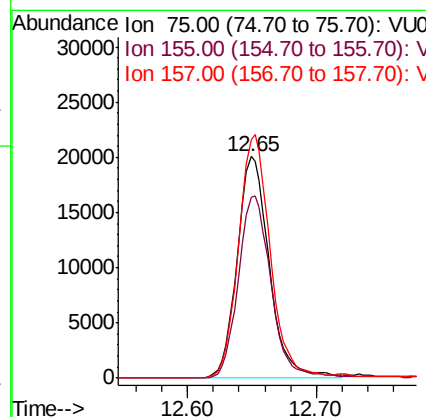
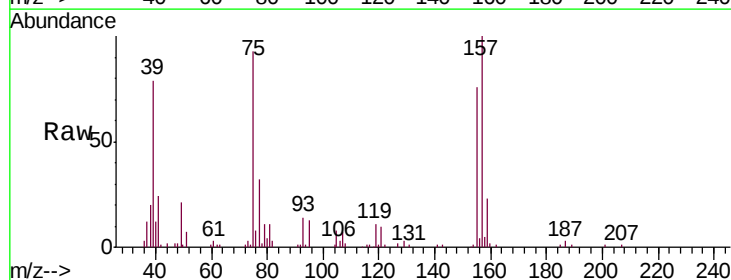
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

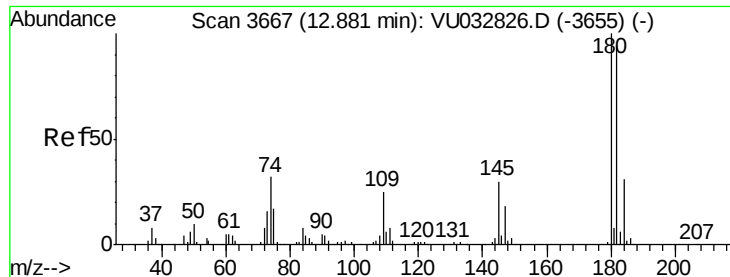
Tgt Ion: 146 Resp: 189708
 Ion Ratio Lower Upper
 146 100
 111 41.3 34.1 51.1
 148 64.3 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.960 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

Tgt Ion: 75 Resp: 34777
 Ion Ratio Lower Upper
 75 100
 155 81.6 67.4 101.2
 157 108.0 85.5 128.3

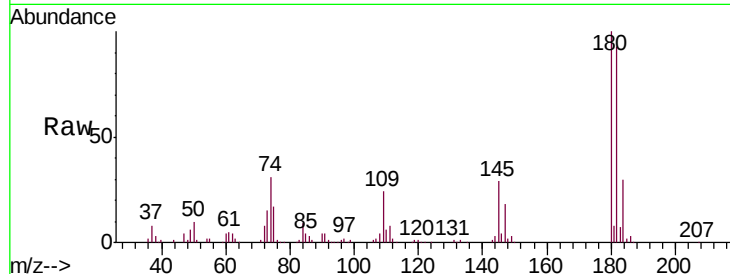




#67
 1,3,5-Trichlorobenzene
 Concen: 49.744 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.3	117.5
184	30.4	24.8	37.2
145	29.5	23.4	35.2



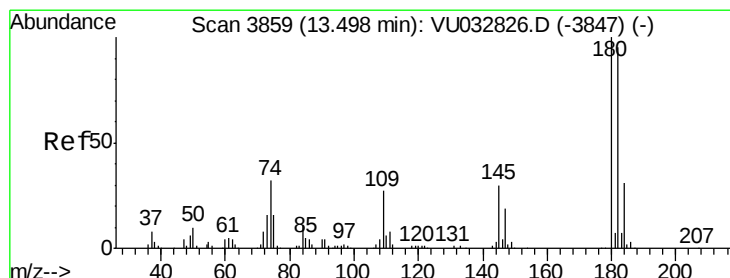
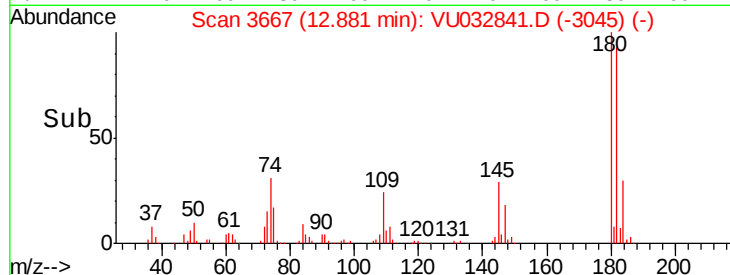
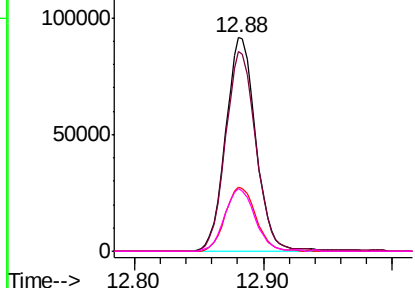
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

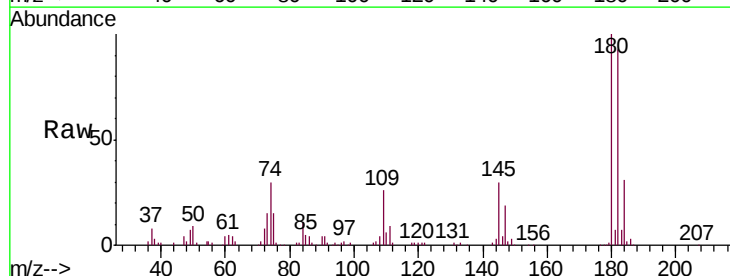
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.587 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032841.D
 Acq: 18 Jun 2019 22:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
145	29.2	23.8	35.8

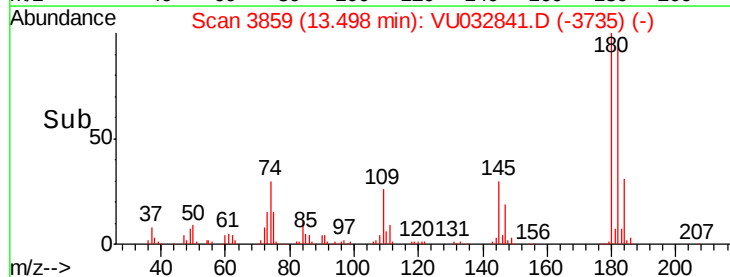
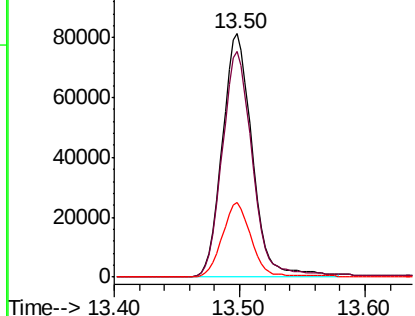


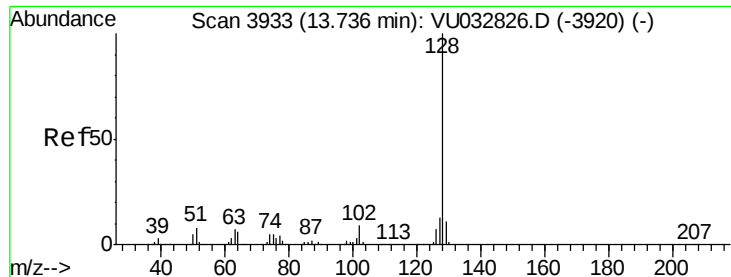
Abundance

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: 53.786 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

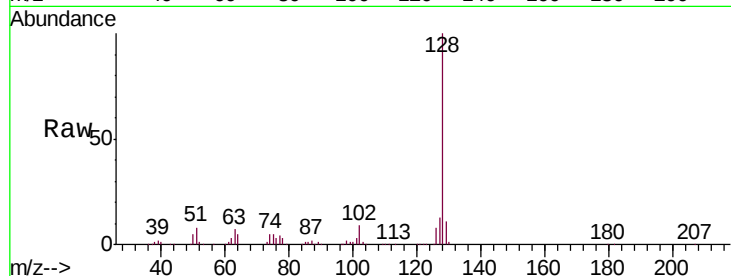
Tgt Ion:128 Resp: 425615

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

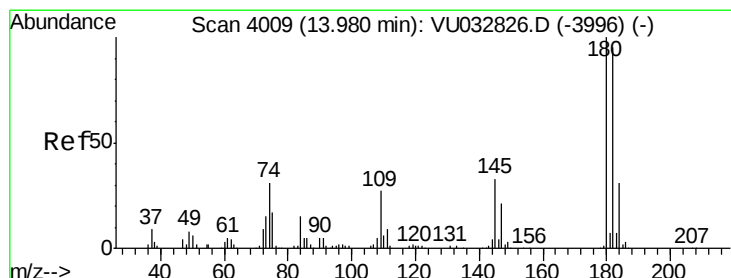
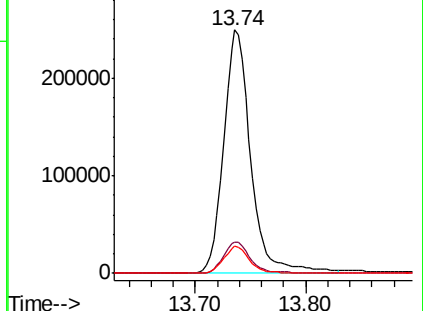
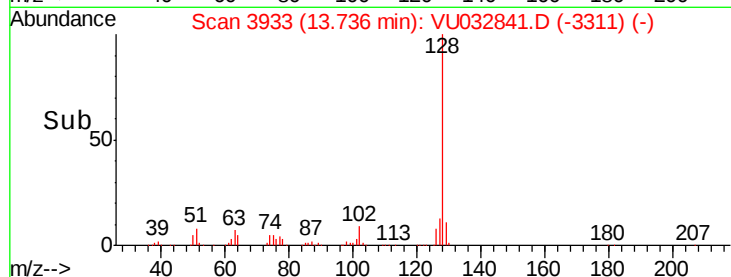
129 10.6 8.6 13.0



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: 50.605 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032841.D

Acq: 18 Jun 2019 22:51

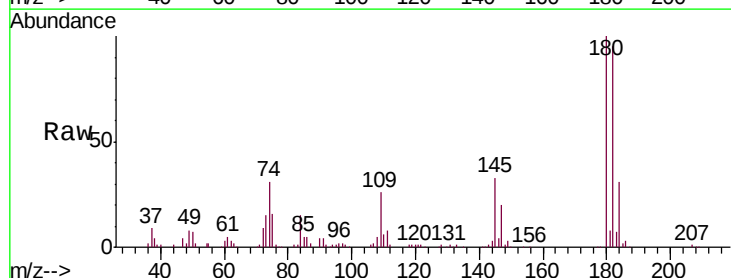
Tgt Ion:180 Resp: 137875

Ion Ratio Lower Upper

180 100

182 96.8 77.0 115.6

145 32.1 25.5 38.3



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

