

Data File : VU033164.D
Acq On : 03 Jul 2019 11:25
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Quant Time: Jul 03 22:35:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 03 22:32:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187257	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186646	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99425	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	71159	55.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.20%
7) Chloroethane-d5	1.67	69	56454	55.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.62%
11) 1,1-Dichloroethene-d2	2.27	63	140593	54.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.06%
21) 2-Butanone-d5	4.17	46	120615	113.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.24%
24) Chloroform-d	4.64	84	135708	54.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.10%
26) 1,2-Dichloroethane-d4	5.30	65	91778	55.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.76%
32) Benzene-d6	5.33	84	258064	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.08%
36) 1,2-Dichloropropane-d6	6.32	67	80758	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.20%
41) Toluene-d8	7.56	98	243540	53.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.90%
43) trans-1,3-Dichloropropene-	7.84	79	41663	51.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.34%
47) 2-Hexanone-d5	8.31	63	75786	104.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.72%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	120094	50.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	96011	49.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	96036	50.772	ug/L 100
3) Chloromethane	1.33	50	87758	51.190	ug/L 99
5) Vinyl chloride	1.40	62	86637	50.950	ug/L 100
6) Bromomethane	1.62	94	48472	48.443	ug/L 99
8) Chloroethane	1.69	64	50961	52.063	ug/L 97
9) Trichlorofluoromethane	1.88	101	126108	52.861	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	68331	54.607	ug/L 97
12) 1,1-Dichloroethene	2.28	96	60150	51.009	ug/L 94
13) Acetone	2.32	43	139318	94.695	ug/L 96
14) Carbon disulfide	2.47	76	172700	46.284	ug/L 100
15) Methyl Acetate	2.61	43	96079	57.612	ug/L 98
16) Methylene chloride	2.69	84	73367	53.022	ug/L 96
17) trans-1,2-Dichloroethene	2.97	96	64292	50.277	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	217990	53.096	ug/L 98
19) 1,1-Dichloroethane	3.44	63	133870	54.912	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	73993	53.115	ug/L 94
22) 2-Butanone	4.25	43	158877	104.190	ug/L 97

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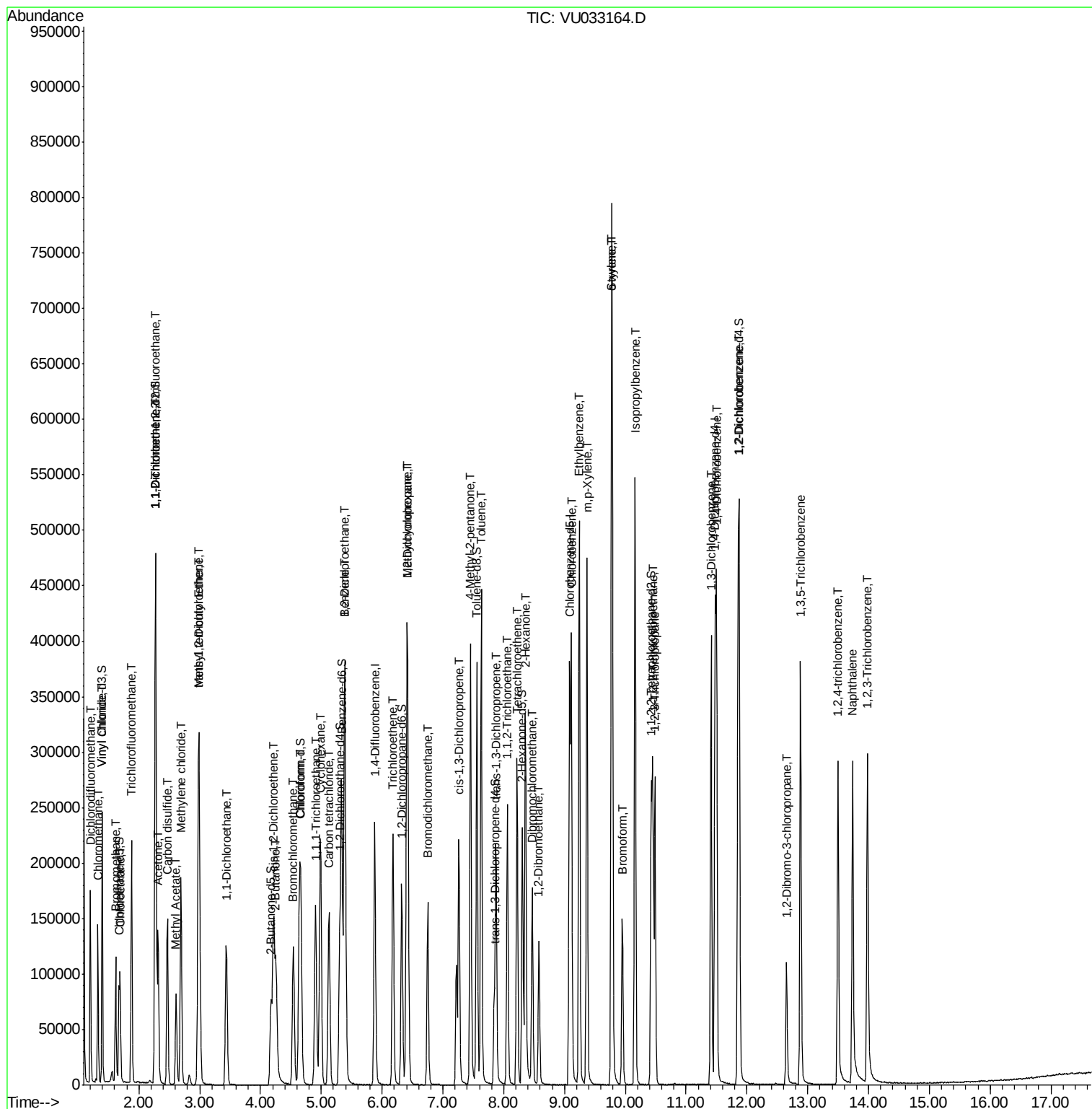
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39242	53.998	ug/L	98
25) Chloroform	4.67	83	139928	55.658	ug/L	98
27) 1,2-Dichloroethane	5.40	62	119317	57.771	ug/L	99
29) Cyclohexane	4.99	56	109160	50.088	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	121980	53.642	ug/L	99
31) Carbon tetrachloride	5.13	117	108295	52.340	ug/L	98
33) Benzene	5.38	78	287483	53.467	ug/L	100
34) Trichloroethene	6.18	95	75044	52.237	ug/L	99
35) Methylcyclohexane	6.41	83	113579	51.148	ug/L	97
37) 1,2-Dichloropropane	6.42	63	78600	53.292	ug/L	100
38) Bromodichloromethane	6.75	83	104487	52.686	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	124153	54.030	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	265626	112.806	ug/L	98
42) Toluene	7.63	91	311916	53.617	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	115173	53.364	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	73639	53.642	ug/L	100
46) Tetrachloroethene	8.22	164	61878	52.565	ug/L	99
48) 2-Hexanone	8.36	43	215220	103.592	ug/L	99
49) Dibromochloromethane	8.47	129	84855	51.274	ug/L	97
50) 1,2-Dibromoethane	8.58	107	81348	53.359	ug/L	99
51) Chlorobenzene	9.11	112	198417	51.831	ug/L	97
52) Ethylbenzene	9.24	91	341601	53.049	ug/L	99
53) m,p-Xylene	9.37	106	129372	53.250	ug/L	99
54) o-xylene	9.77	106	125037	52.701	ug/L	99
55) Styrene	9.78	104	218003	52.965	ug/L	96
56) Isopropylbenzene	10.16	105	336426	52.615	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	131707	53.021	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	109318	55.539	ug/L	99
61) Bromoform	9.95	173	65681	50.592	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	156069	50.500	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	160474	50.273	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	162885	51.619	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	29064	48.278	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	122589	49.368	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	95891	44.879	ug/L	97
69) Naphthalene	13.74	128	259440	39.491	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	103054	45.560	ug/L	99

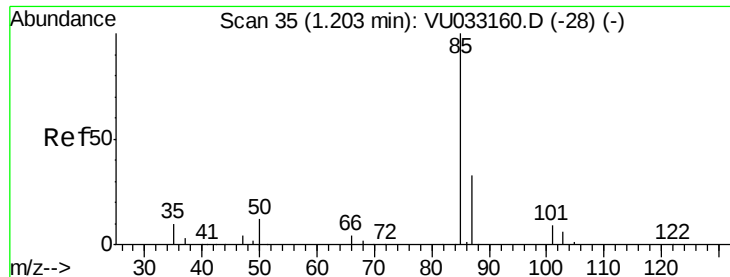
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.772 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

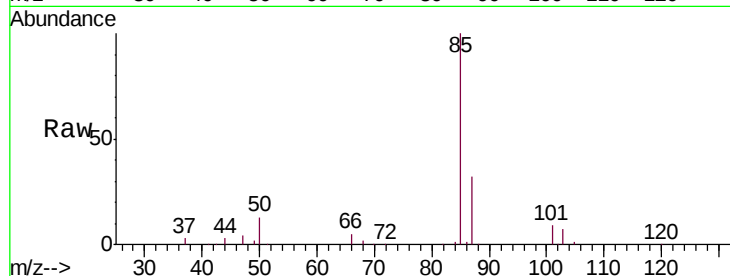
VSTD05046

Tgt Ion: 85 Resp: 96036

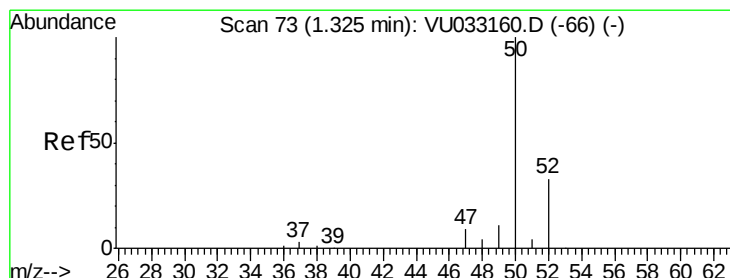
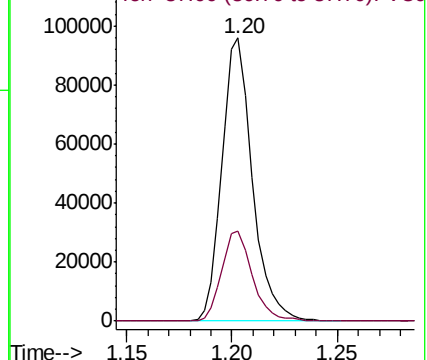
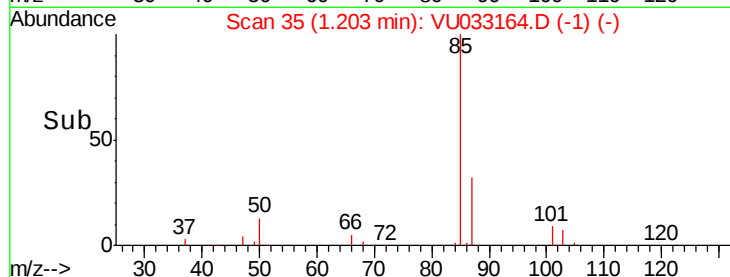
Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033164.D (-1) (-)



#3

Chloromethane

Concen: 51.190 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033164.D

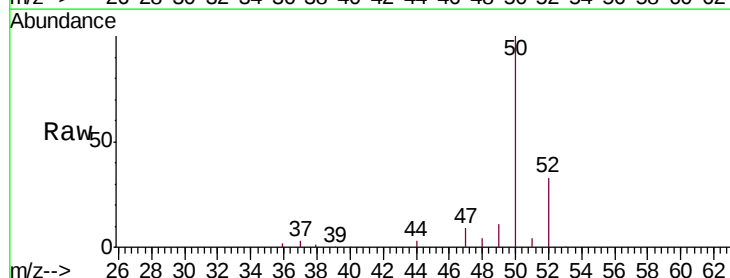
Acq: 03 Jul 2019 11:25

Tgt Ion: 50 Resp: 87758

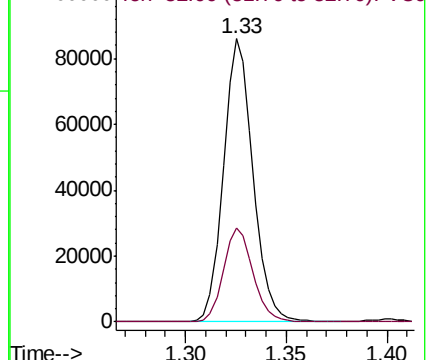
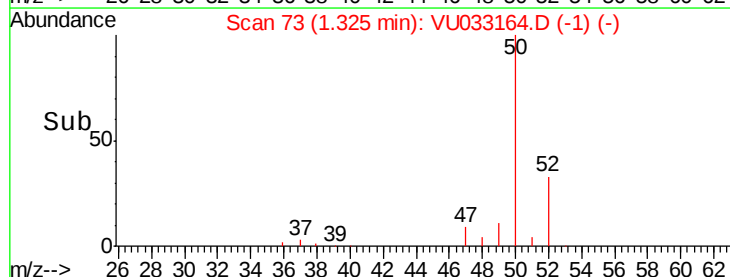
Ion Ratio Lower Upper

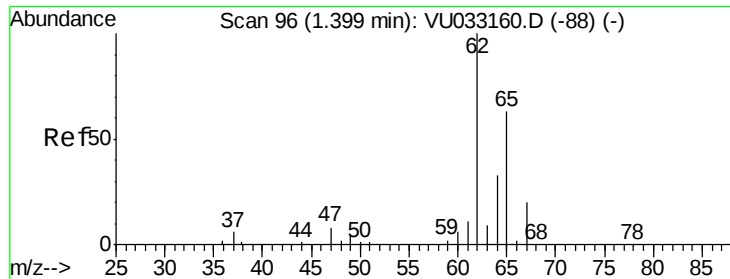
50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU033164.D (-1) (-)





#5

Vinyl chloride

Concen: 50.950 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

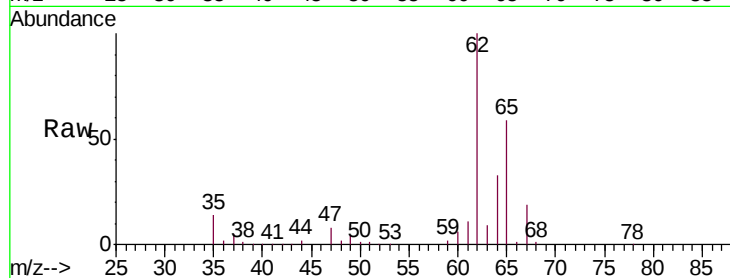
VSTD05046

Tgt Ion: 62 Resp: 86637

Ion Ratio Lower Upper

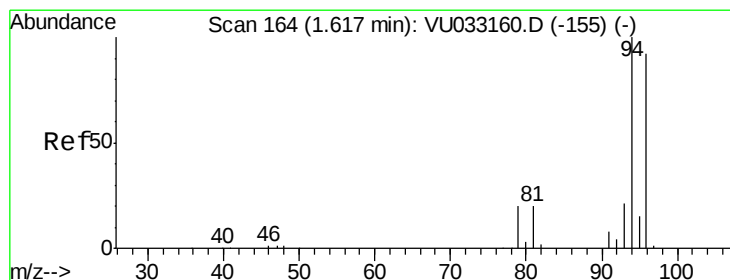
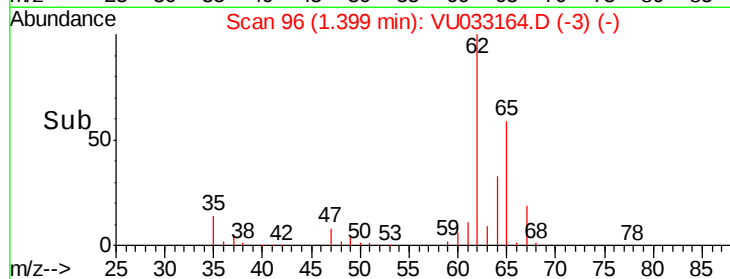
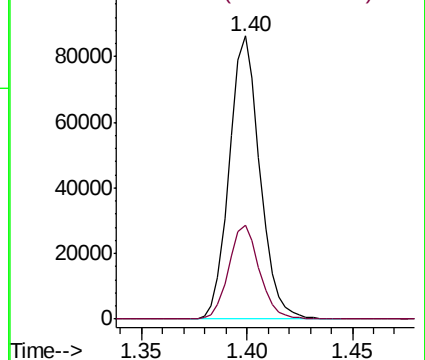
62 100

64 33.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.443 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU033164.D

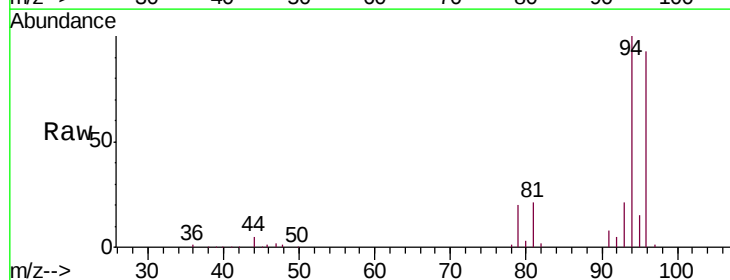
Acq: 03 Jul 2019 11:25

Tgt Ion: 94 Resp: 48472

Ion Ratio Lower Upper

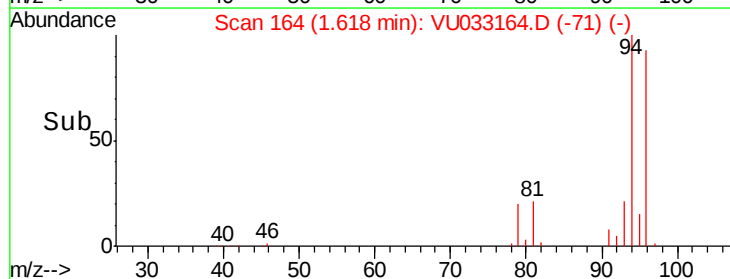
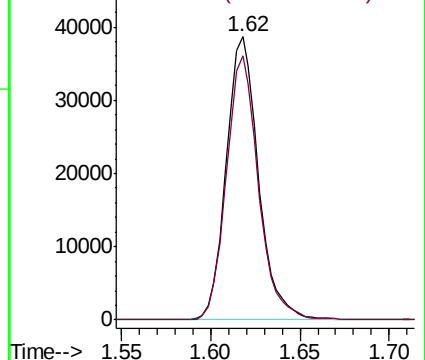
94 100

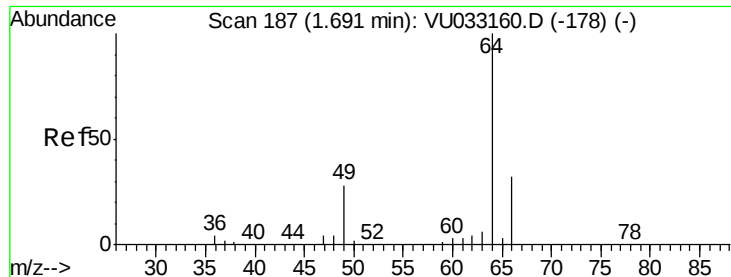
96 93.3 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 52.063 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

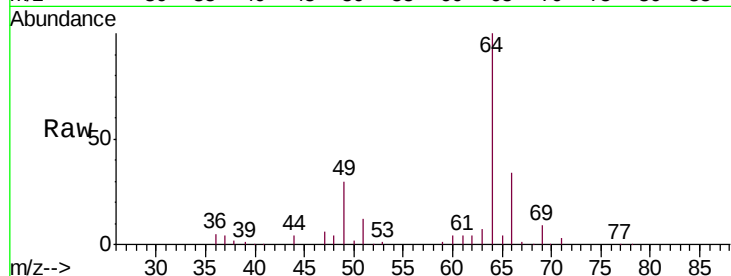
VSTD05046

Tgt Ion: 64 Resp: 50961

Ion Ratio Lower Upper

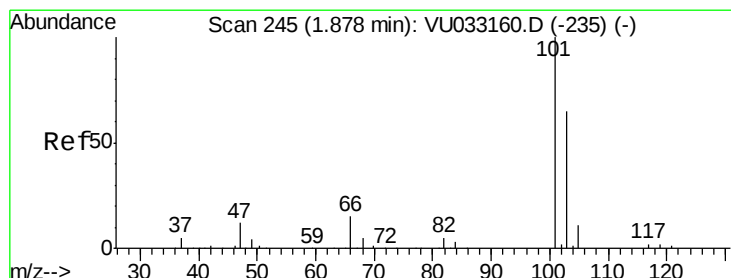
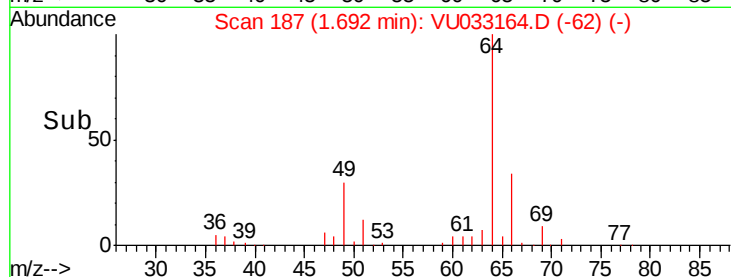
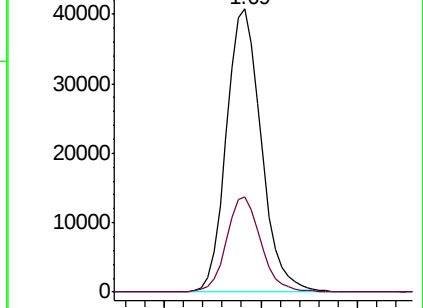
64 100

66 33.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU033164.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU033164.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 52.861 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033164.D

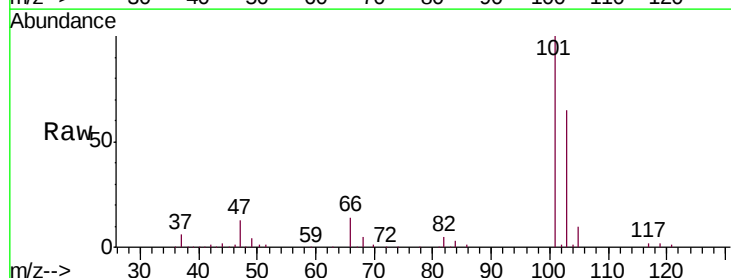
Acq: 03 Jul 2019 11:25

Tgt Ion: 101 Resp: 126108

Ion Ratio Lower Upper

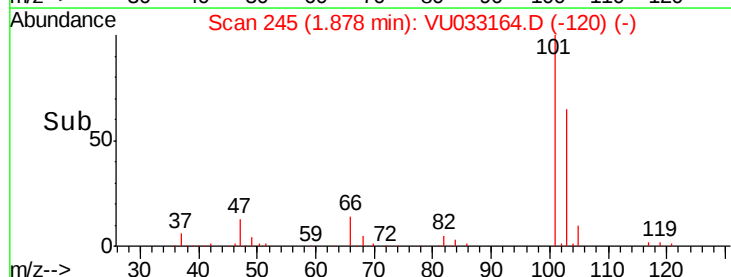
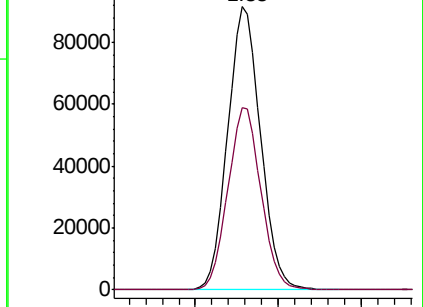
101 100

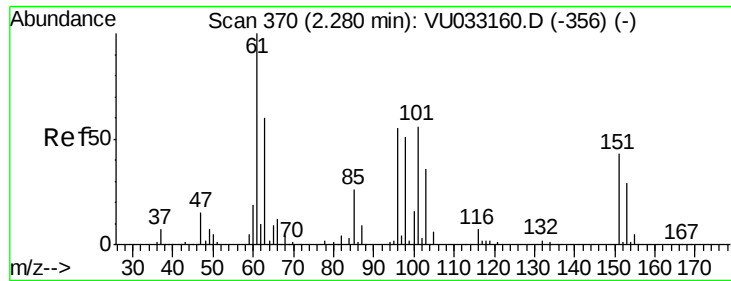
103 64.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU033164.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU033164.D (-235) (-)





#10

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

Concen: 54.607 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

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MSVOA_U

ClientSampleId :

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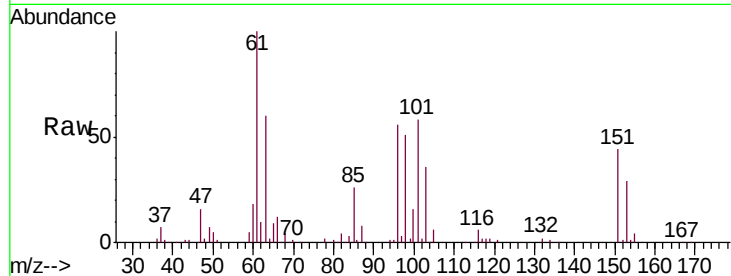
Tgt Ion:101 Resp: 68331

Ion Ratio Lower Upper

101 100

85 44.7 36.8 55.2

151 76.4 63.6 95.4



Abundance Ion 101.00 (100.70 to 101.70): VU033164.D (-277) (-)

Ion 85.00 (84.70 to 85.70): VU033164.D (-277) (-)

Ion 151.00 (150.70 to 151.70): VU033164.D (-277) (-)

Time-->

2.20 2.25 2.30 2.35

2.28

40000

30000

20000

10000

0

2.20 2.25 2.30 2.35

Time-->

2.28

40000

30000

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10000

0

2.20 2.25 2.30 2.35

Time-->

2.28

40000

30000

20000

10000

0

2.20 2.25 2.30 2.35

Time-->

2.28

40000

30000

20000

10000

0

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Time-->

2.28

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10000

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Time-->

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Time-->

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2.20 2.25 2.30 2.35

Time-->

2.28

40000

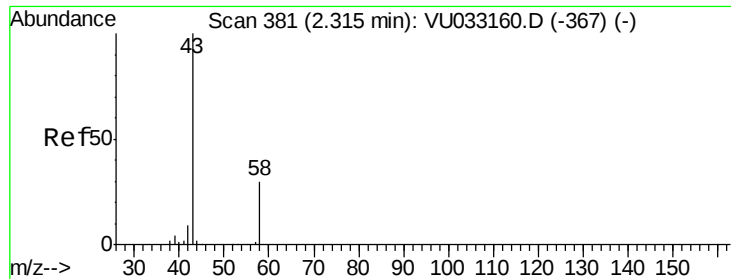
30000

20000

10000

0

2.20 2.25 2.30 2.35



#13

Acetone

Concen: 94.695 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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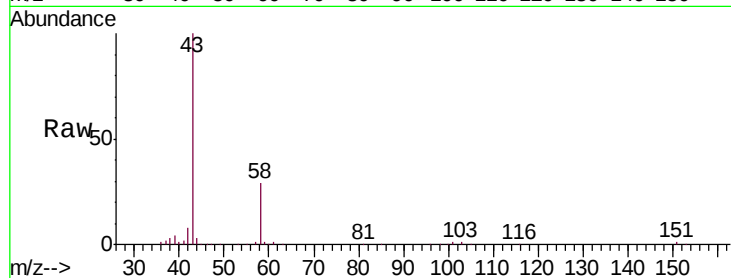
VSTD05046

Tgt Ion: 43 Resp: 139318

Ion Ratio Lower Upper

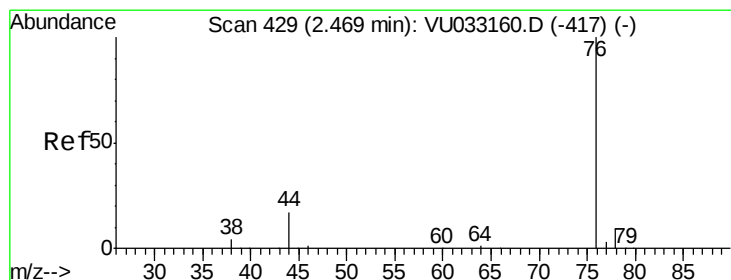
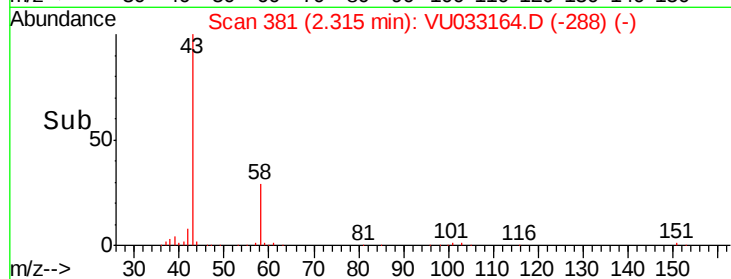
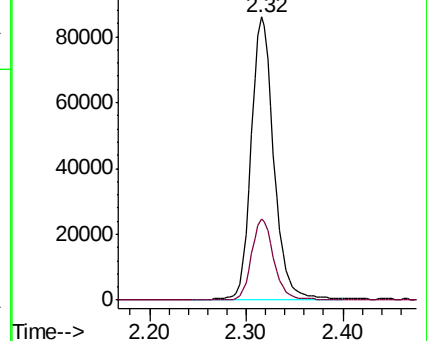
43 100

58 28.3 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033164.D (-367) (-)

Ion 58.00 (57.70 to 58.70): VU033164.D (-367) (-)



#14

Carbon disulfide

Concen: 46.284 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU033164.D

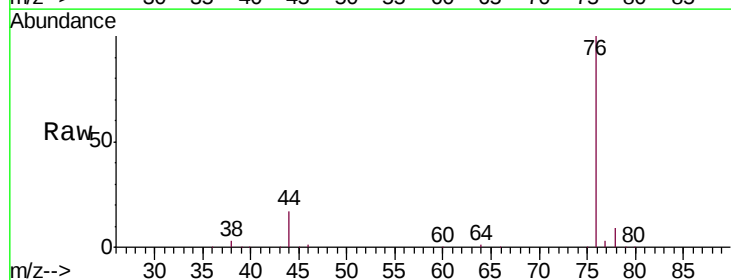
Acq: 03 Jul 2019 11:25

Tgt Ion: 76 Resp: 172700

Ion Ratio Lower Upper

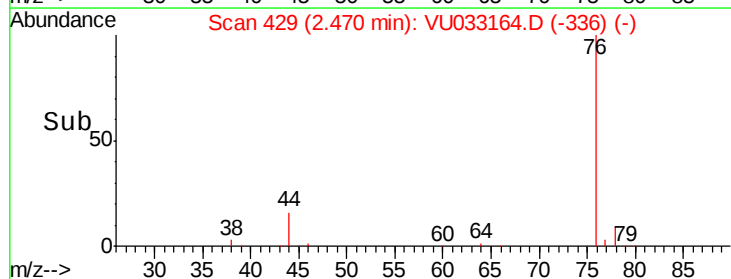
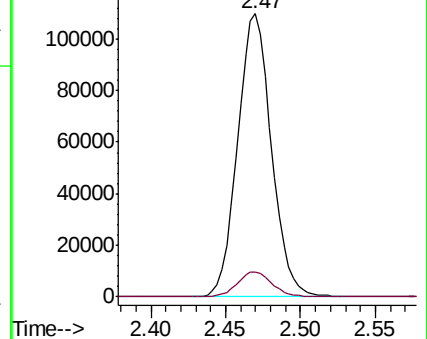
76 100

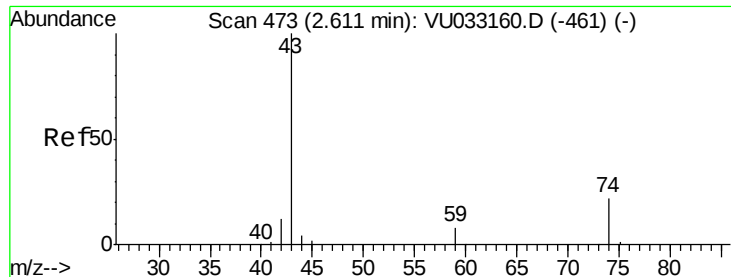
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU033164.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033164.D (-417) (-)

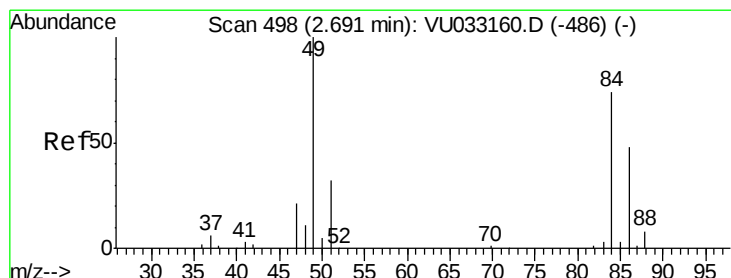
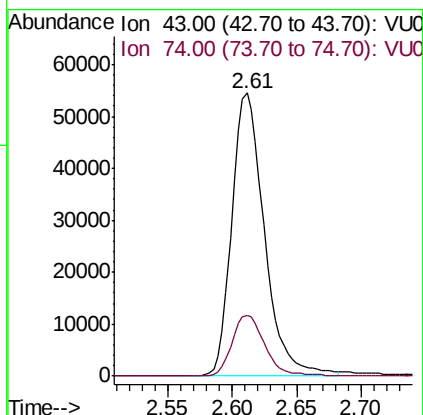
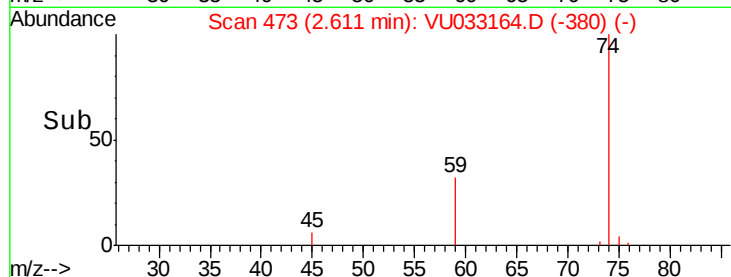
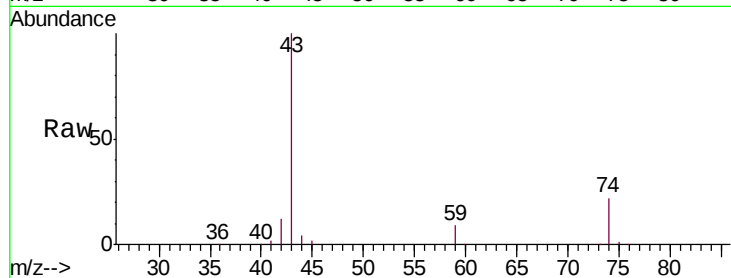




#15
Methyl Acetate
Concen: 57.612 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

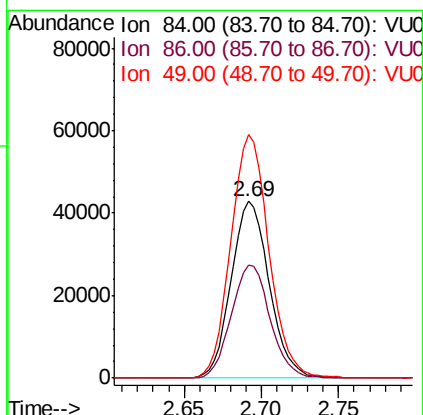
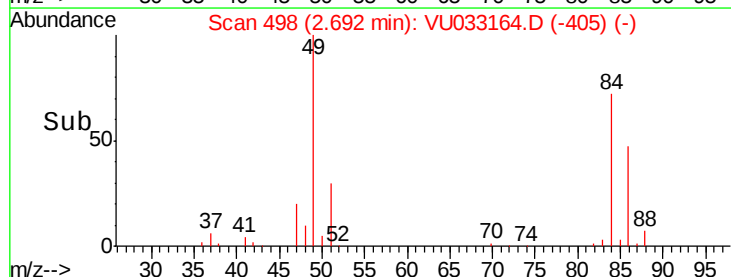
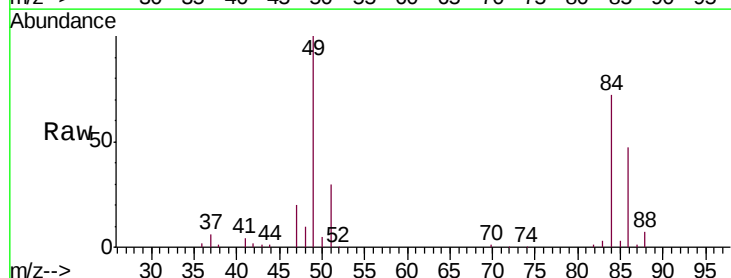
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

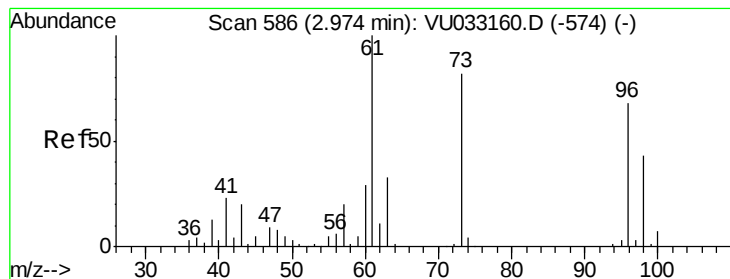
Tgt Ion: 43 Resp: 96079
Ion Ratio Lower Upper
43 100
74 21.7 18.1 27.1



#16
Methylene chloride
Concen: 53.022 ug/L
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

Tgt Ion: 84 Resp: 73367
Ion Ratio Lower Upper
84 100
86 64.3 45.5 84.5
49 138.0 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 50.277 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

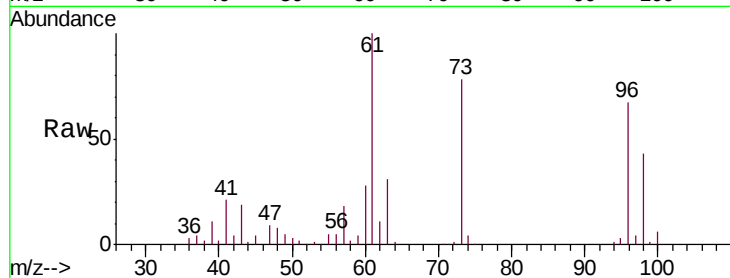
Tgt Ion: 96 Resp: 64292

Ion Ratio Lower Upper

96 100

61 148.2 100.9 187.5

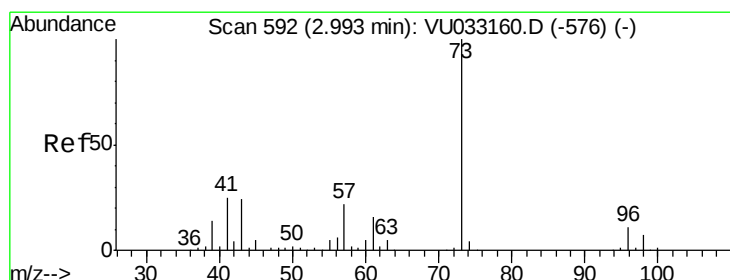
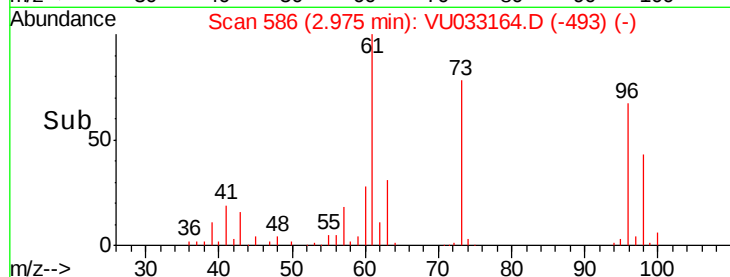
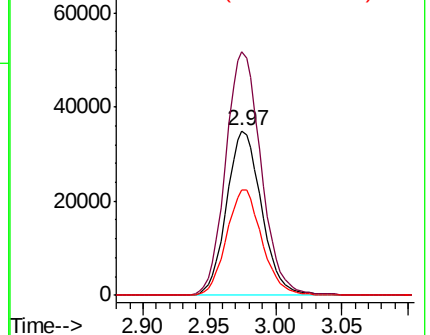
98 64.3 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033164.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU033164.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU033164.D (-493) (-)



#18

Methyl tert-butyl Ether

Concen: 53.096 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

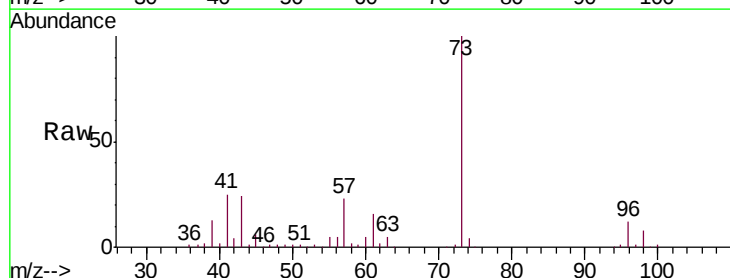
Tgt Ion: 73 Resp: 217990

Ion Ratio Lower Upper

73 100

43 23.6 17.8 26.8

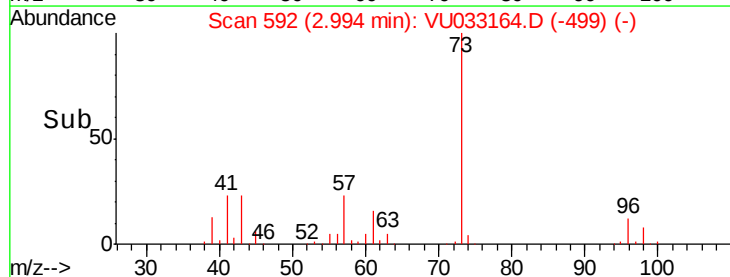
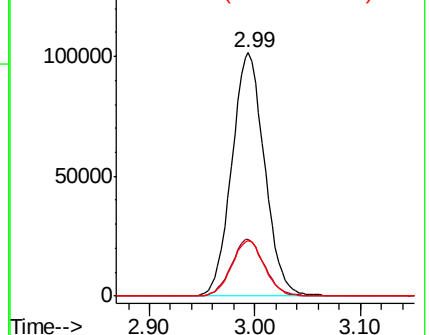
57 22.9 17.8 26.6

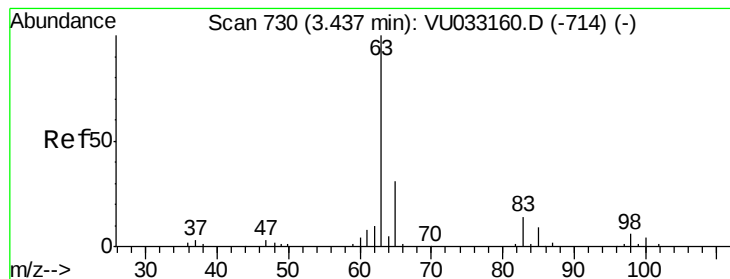


Abundance Ion 73.00 (72.70 to 73.70): VU033164.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU033164.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU033164.D (-499) (-)

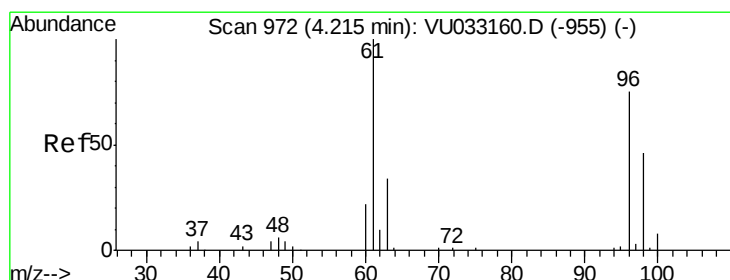
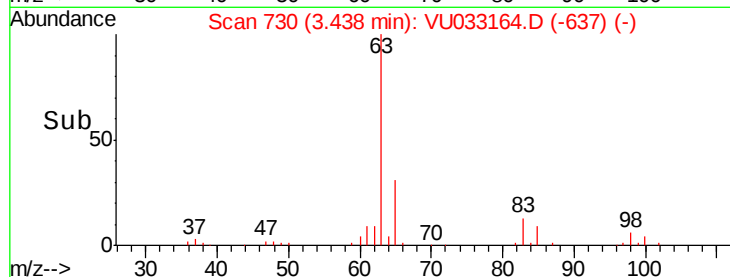
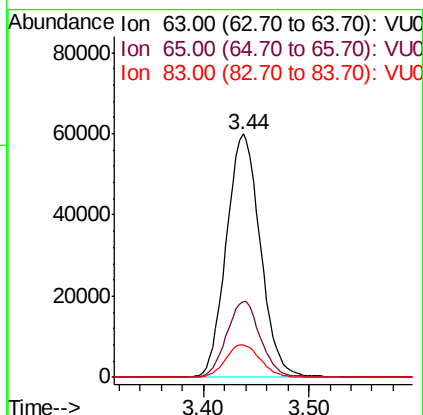
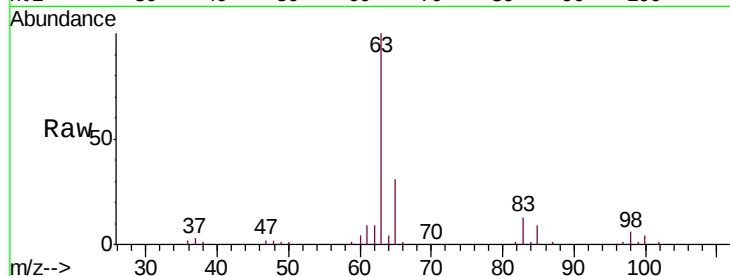




#19
 1,1-Dichloroethane
 Concen: 54.912 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

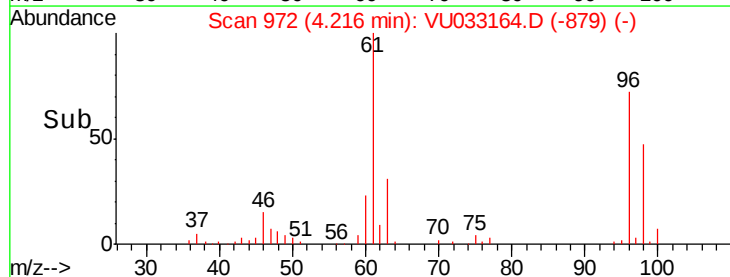
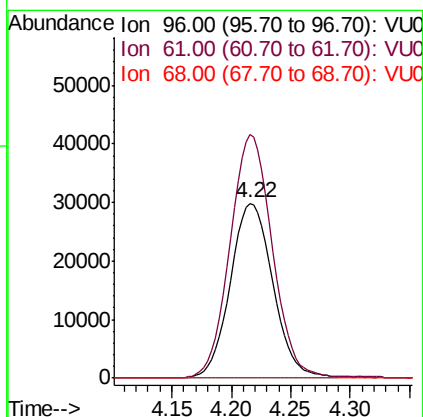
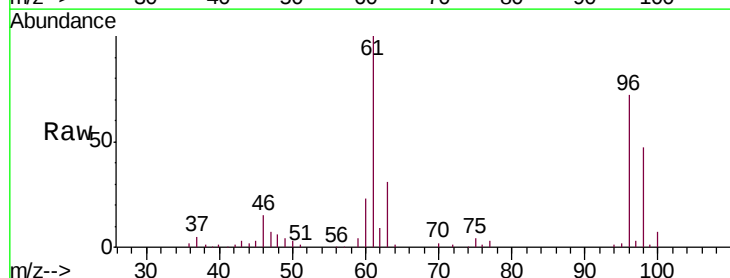
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

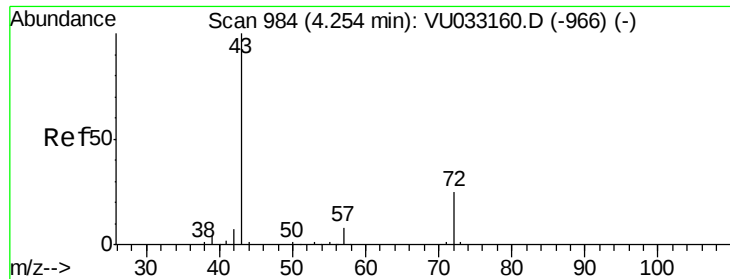
Tgt Ion: 63 Resp: 133870
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 41.0
 83 13.4 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 53.115 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

Tgt Ion: 96 Resp: 73993
 Ion Ratio Lower Upper
 96 100
 61 139.5 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.190 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

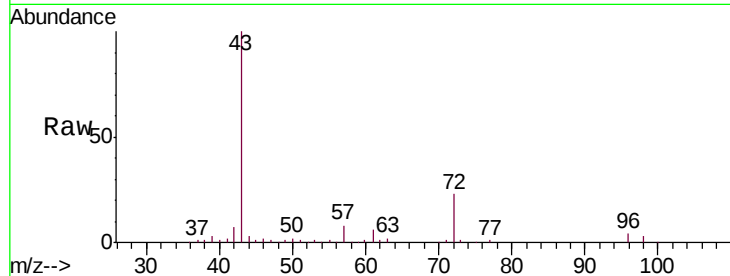
VSTD05046

Tgt Ion: 43 Resp: 158877

Ion Ratio Lower Upper

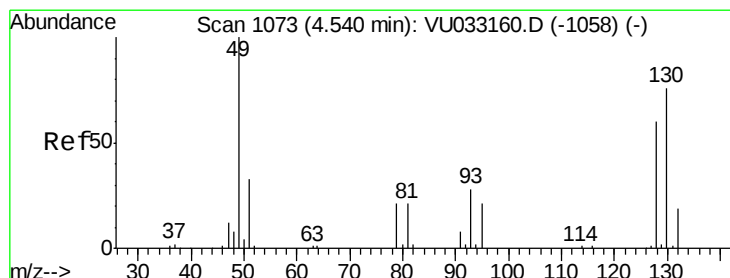
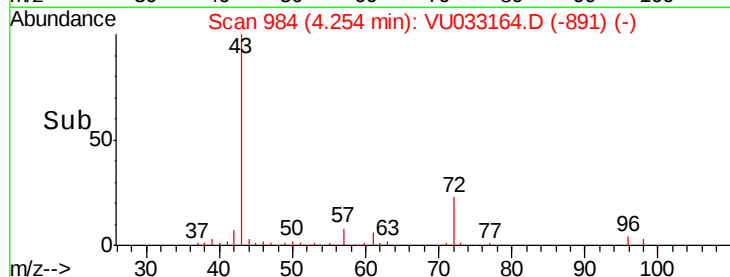
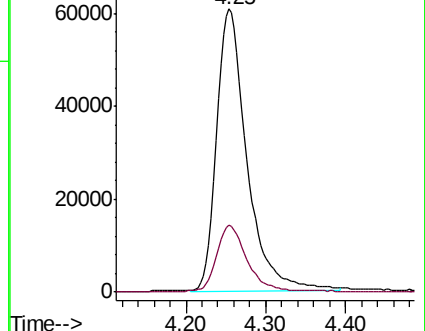
43 100

72 24.1 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033164.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU033164.D (-966) (-)



#23

Bromochloromethane

Concen: 53.998 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Tgt Ion: 128 Resp: 39242

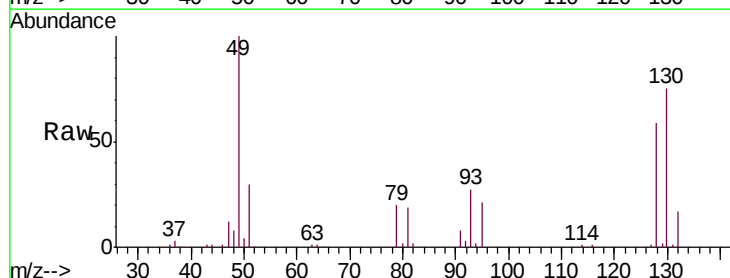
Ion Ratio Lower Upper

128 100

49 168.9 114.7 212.9

130 127.3 89.4 166.0

51 51.2 42.0 63.0

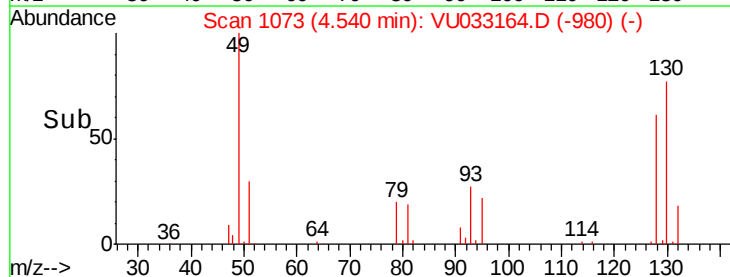
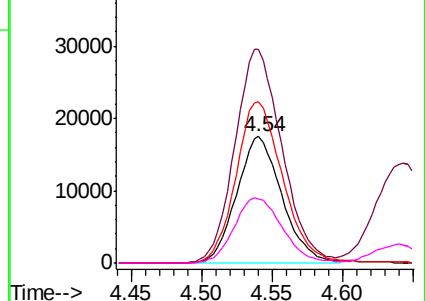


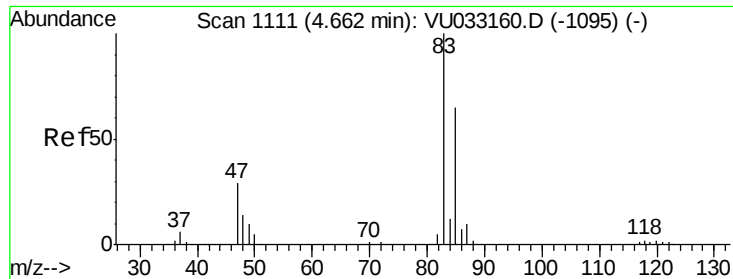
Abundance Ion 128.00 (127.70 to 128.70): VU033164.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VU033164.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VU033164.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VU033164.D (-980) (-)

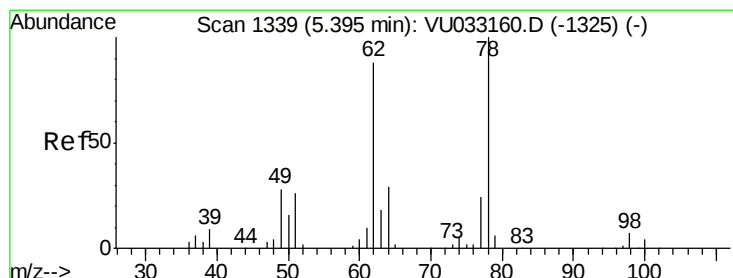
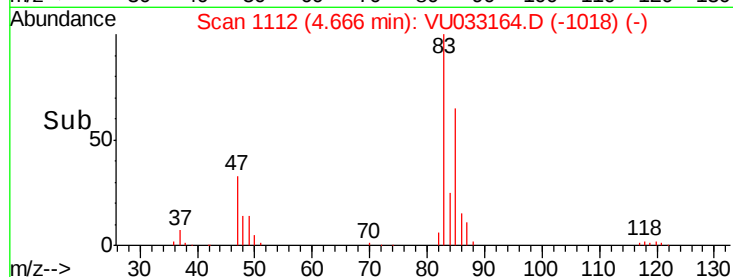
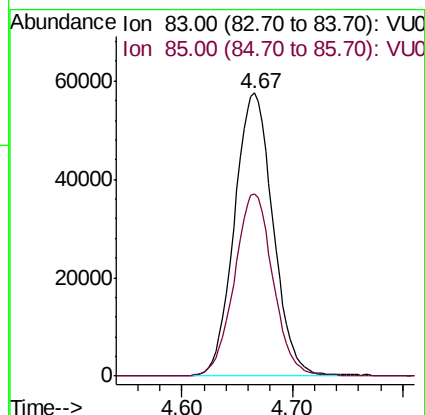
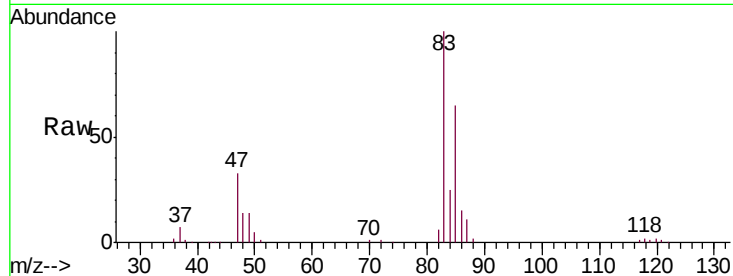




#25
Chloroform
Concen: 55.658 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

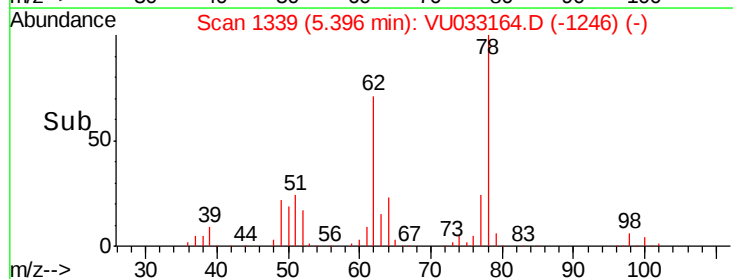
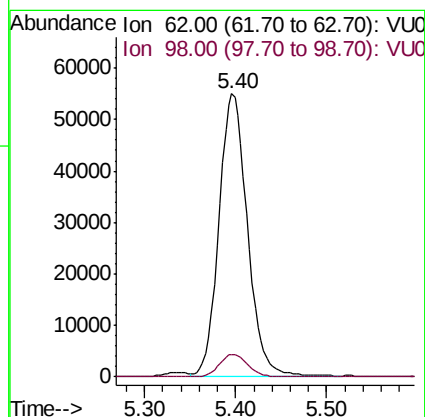
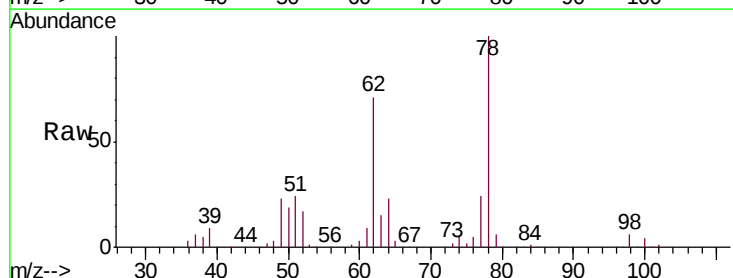
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

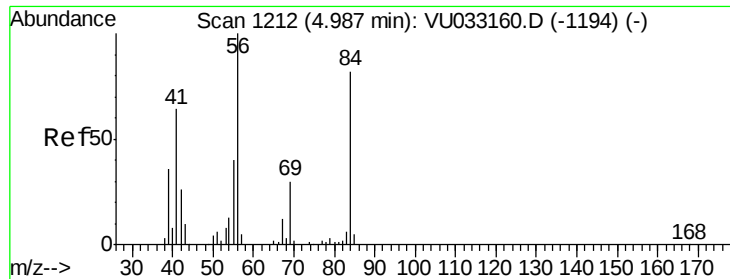
Tgt Ion: 83 Resp: 139928
Ion Ratio Lower Upper
83 100
85 64.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 57.771 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

Tgt Ion: 62 Resp: 119317
Ion Ratio Lower Upper
62 100
98 7.8 6.6 10.0

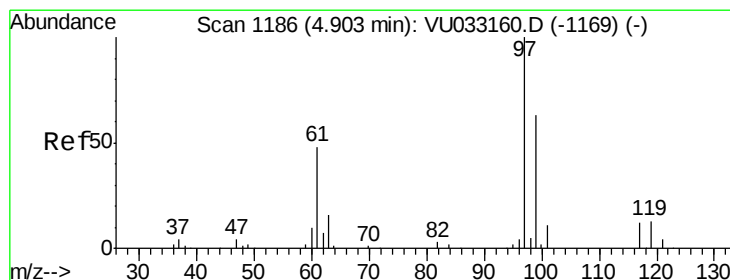
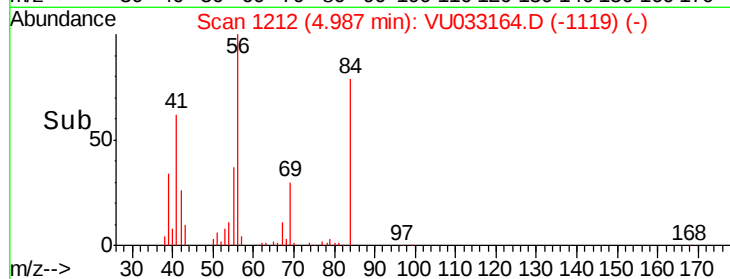
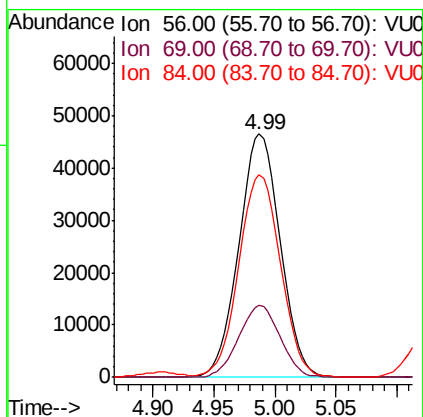
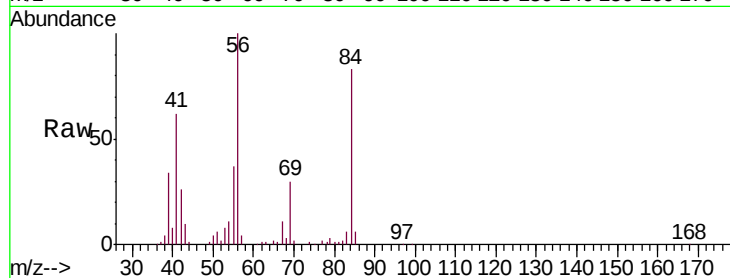




#29
Cyclohexane
Concen: 50.088 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

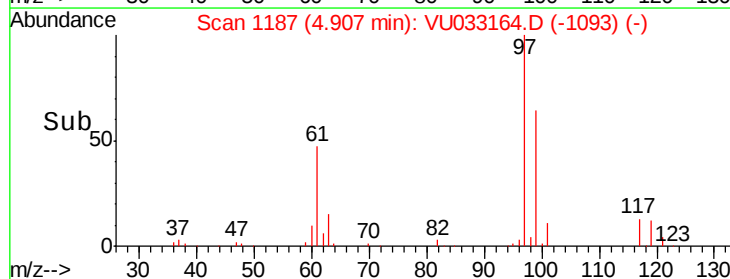
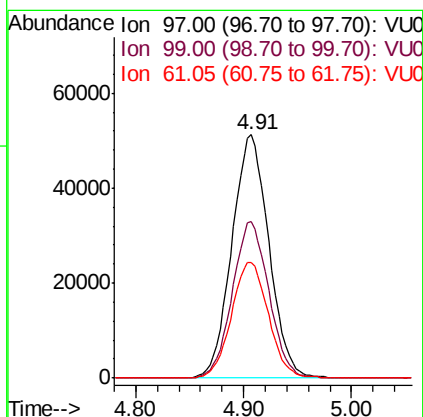
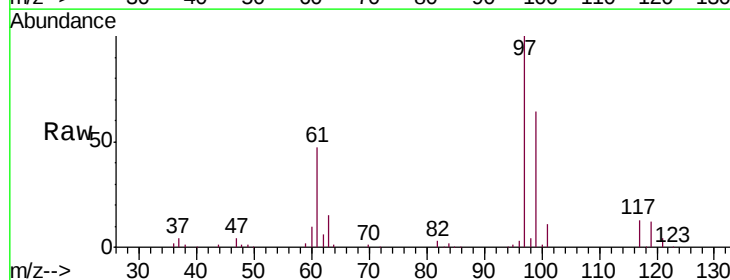
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

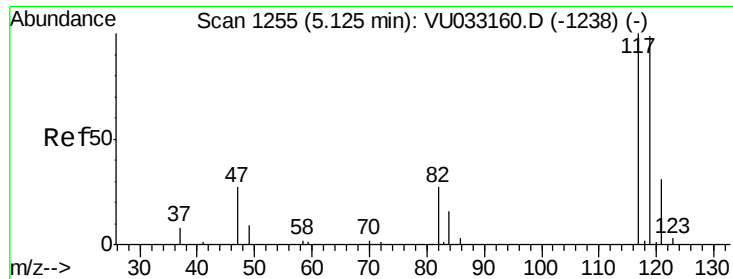
Tgt Ion: 56 Resp: 109160
Ion Ratio Lower Upper
56 100
69 29.6 24.2 36.4
84 83.4 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 53.642 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

Tgt Ion: 97 Resp: 121980
Ion Ratio Lower Upper
97 100
99 63.5 50.7 76.1
61 47.7 36.7 55.1





#31

Carbon tetrachloride

Concen: 52.340 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

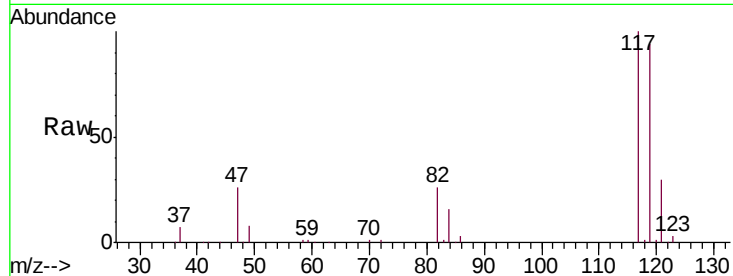
VSTD05046

Tgt Ion:117 Resp: 108295

Ion Ratio Lower Upper

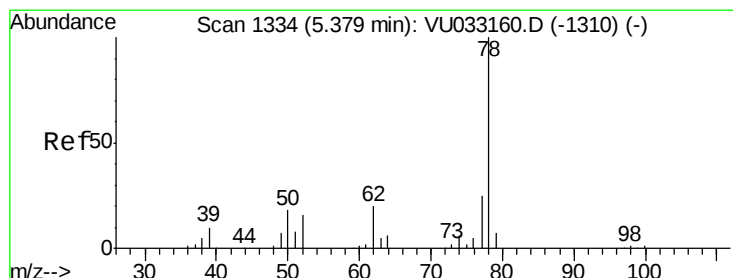
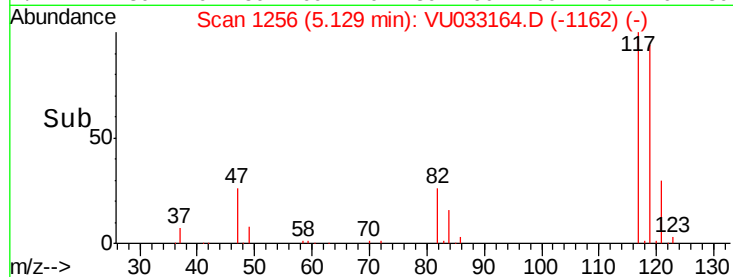
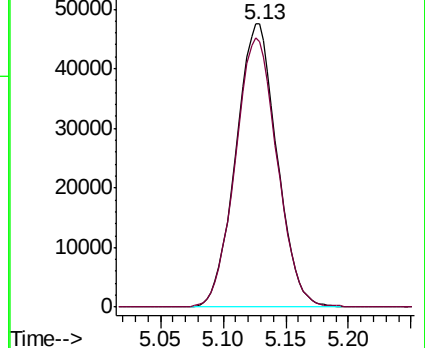
117 100

119 96.9 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: 53.467 ug/L

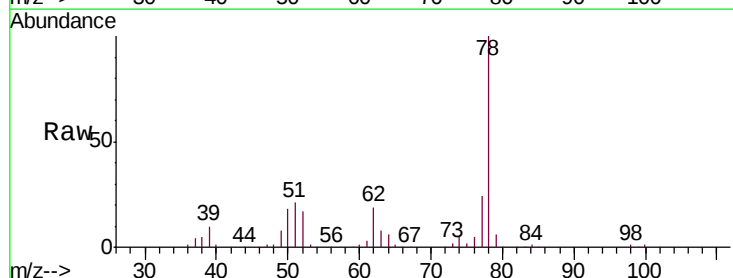
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

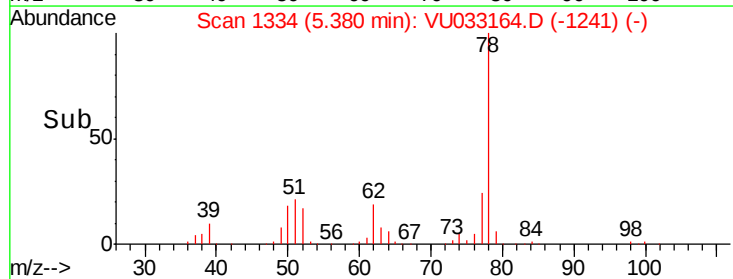
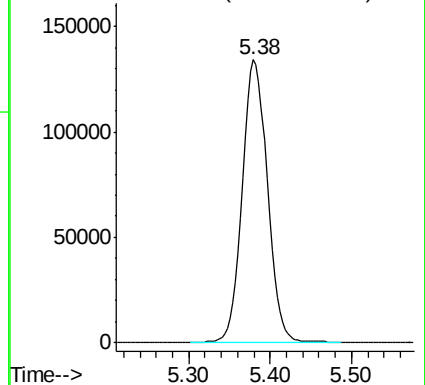
Lab File: VU033164.D

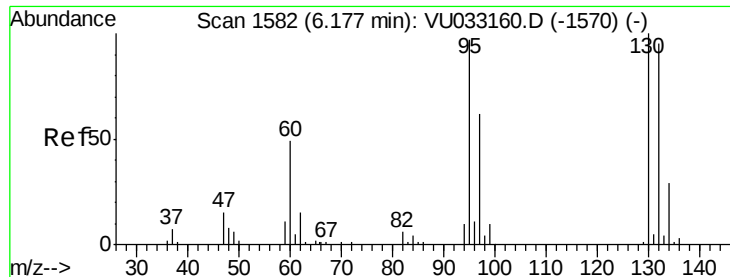
Acq: 03 Jul 2019 11:25

Tgt Ion: 78 Resp: 287483



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.237 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 95 Resp: 75044

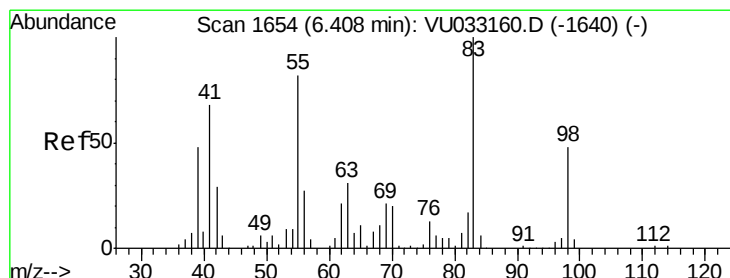
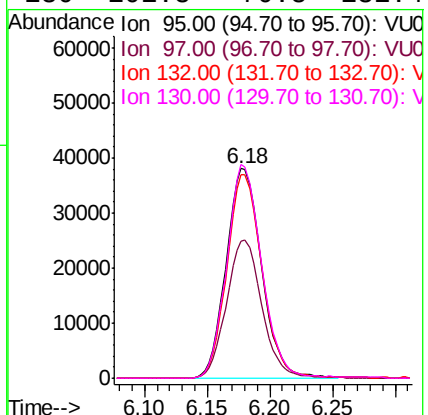
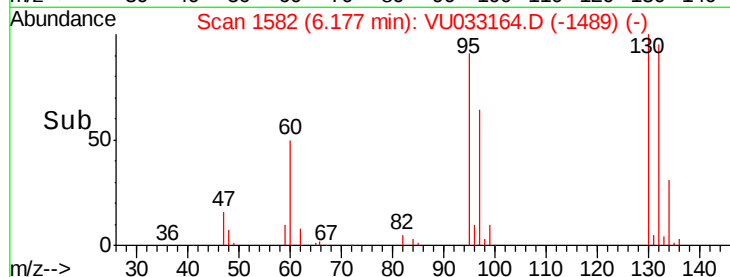
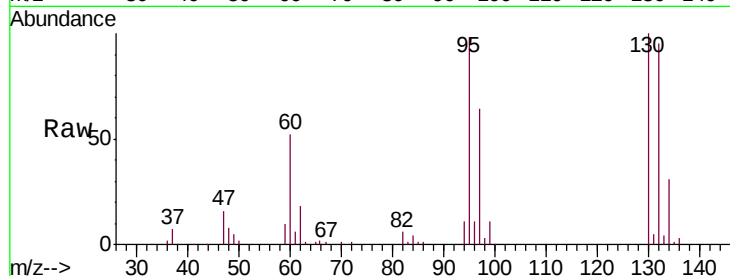
Ion Ratio Lower Upper

95 100

97 65.6 45.9 85.3

132 97.0 68.5 127.3

130 101.8 70.8 131.4



#35

Methylcyclohexane

Concen: 51.148 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

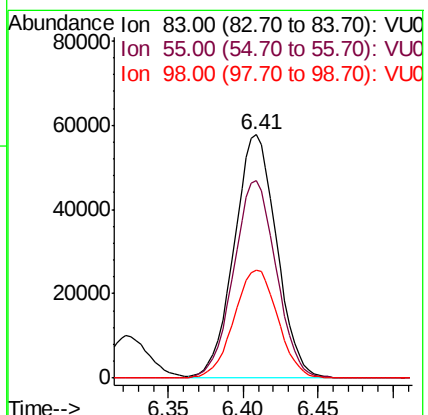
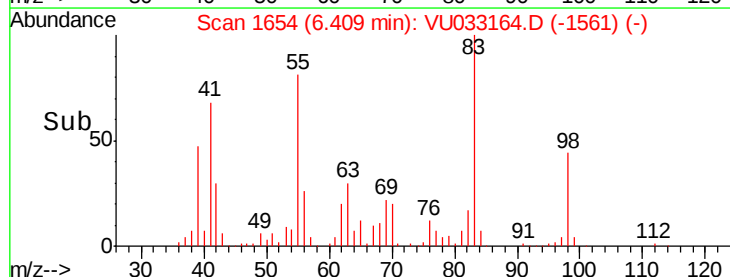
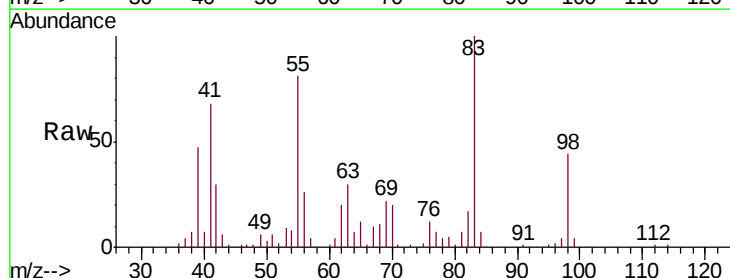
Tgt Ion: 83 Resp: 113579

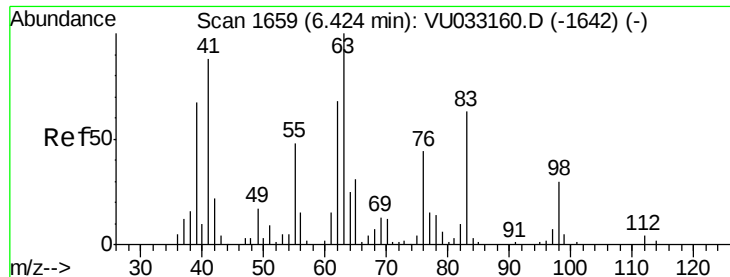
Ion Ratio Lower Upper

83 100

55 81.6 62.6 94.0

98 45.8 37.4 56.0





#37

1,2-Dichloropropane

Concen: 53.292 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

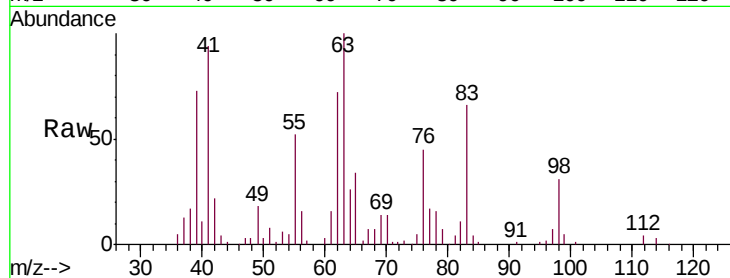
VSTD05046

Tgt Ion: 63 Resp: 78600

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU033164.D (-1642) (-)

Ion 112.00 (111.70 to 112.70): VU033164.D (-1642) (-)

6.42

40000

30000

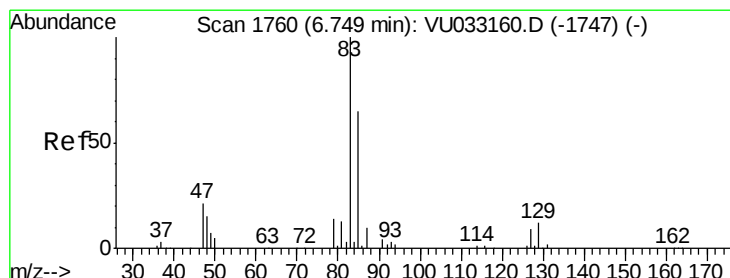
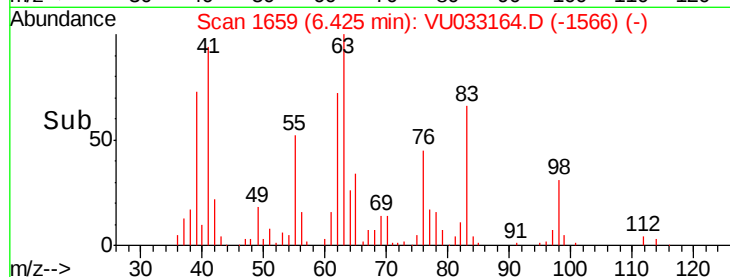
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 52.686 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

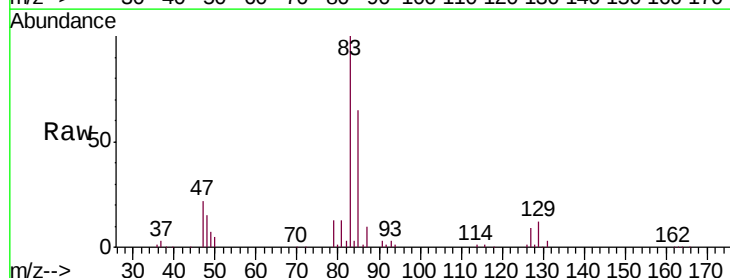
Tgt Ion: 83 Resp: 104487

Ion Ratio Lower Upper

83 100

85 64.9 45.0 83.6

127 8.6 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU033164.D (-1667) (-)

Ion 85.00 (84.70 to 85.70): VU033164.D (-1667) (-)

Ion 127.00 (126.70 to 127.70): VU033164.D (-1667) (-)

6.75

60000

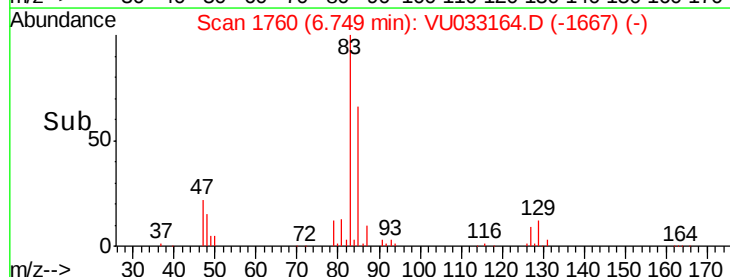
40000

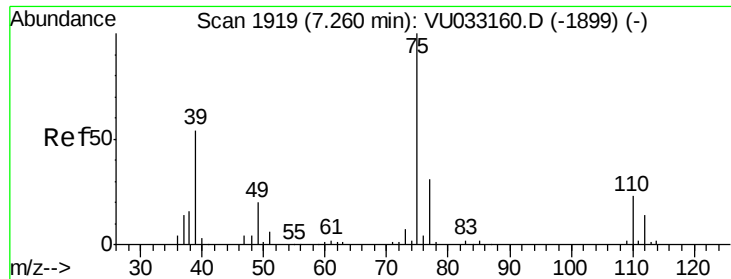
20000

0

6.65 6.70 6.75 6.80 6.85

Time-->

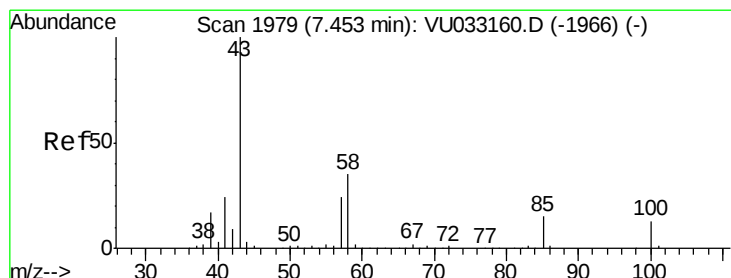
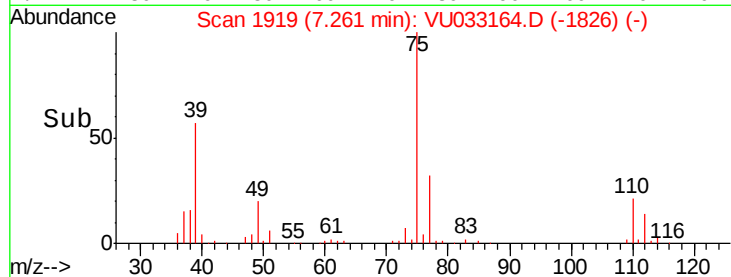
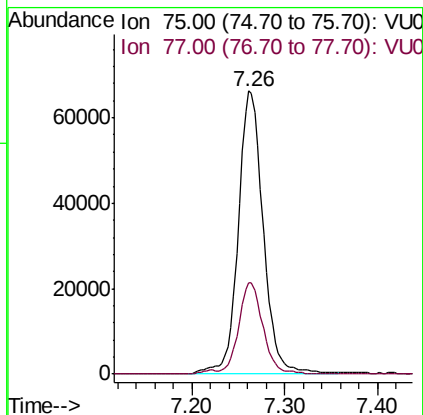
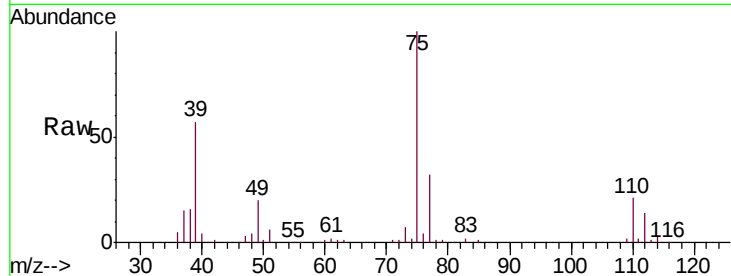




#39
 cis-1,3-Dichloropropene
 Concen: 54.030 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

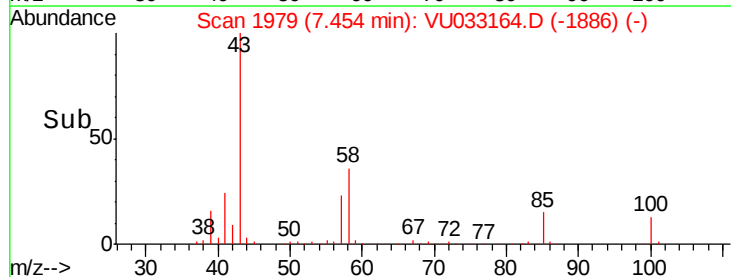
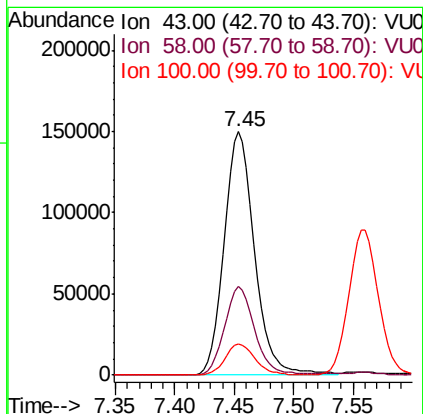
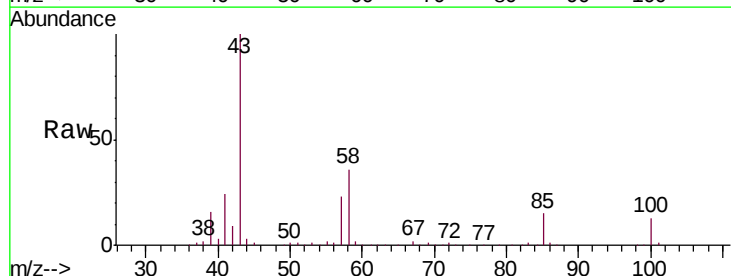
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

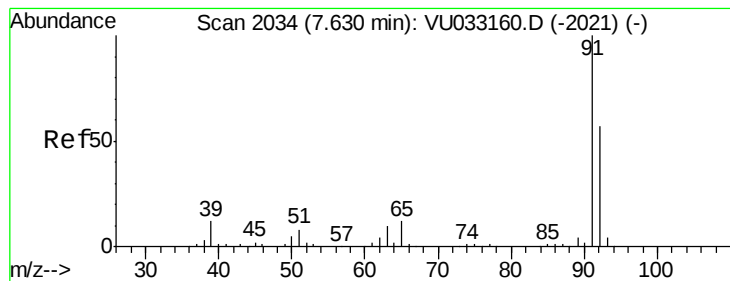
Tgt Ion: 75 Resp: 124153
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 112.806 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

Tgt Ion: 43 Resp: 265626
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.4 44.2
 100 12.9 11.2 16.8





#42

Toluene

Concen: 53.617 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

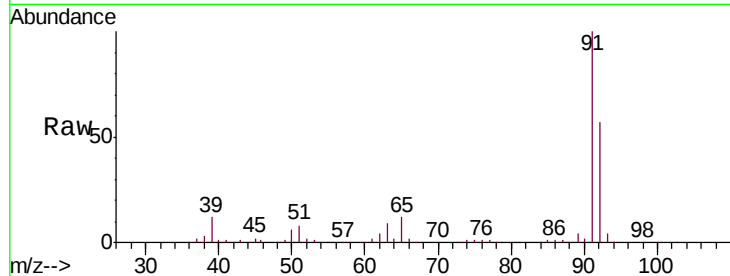
VSTD05046

Tgt Ion: 91 Resp: 311916

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU033164.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU033164.D (-2021) (-)

7.63

200000

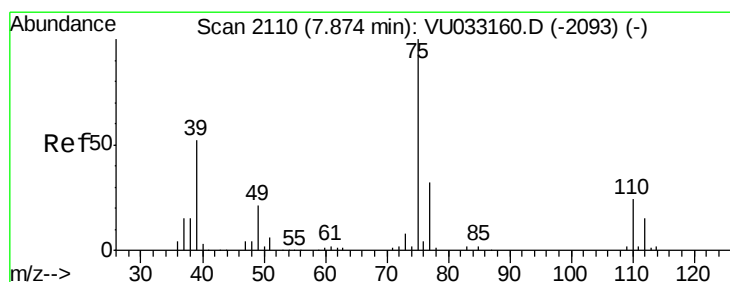
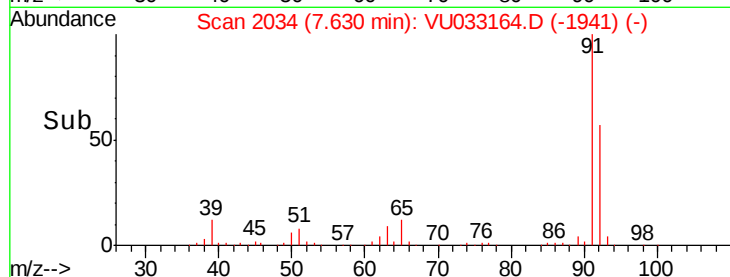
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.364 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. -0.00 min

Lab File: VU033164.D

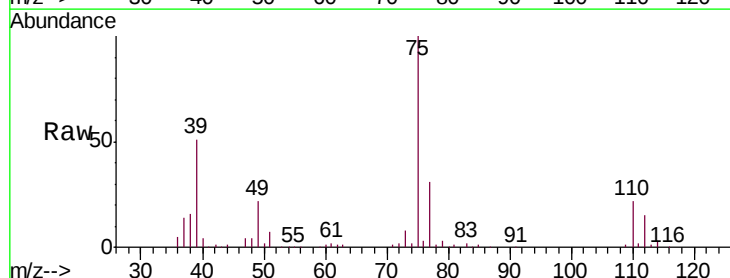
Acq: 03 Jul 2019 11:25

Tgt Ion: 75 Resp: 115173

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU033164.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU033164.D (-2093) (-)

7.87

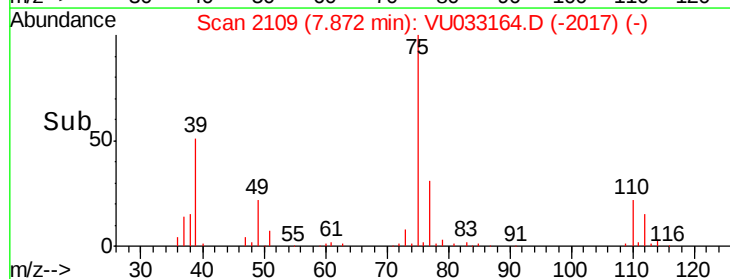
60000

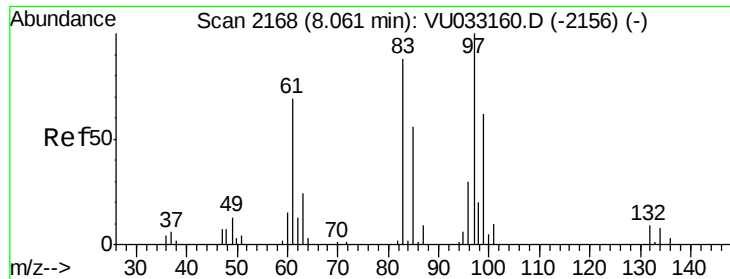
40000

20000

0

Time-->

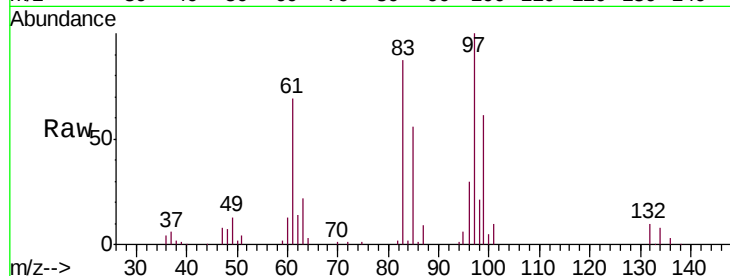




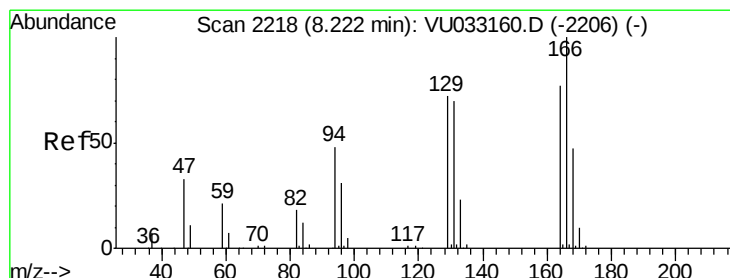
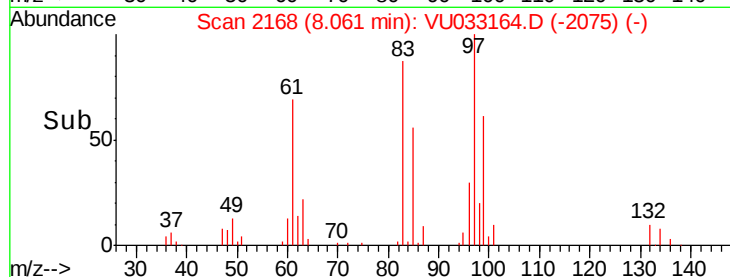
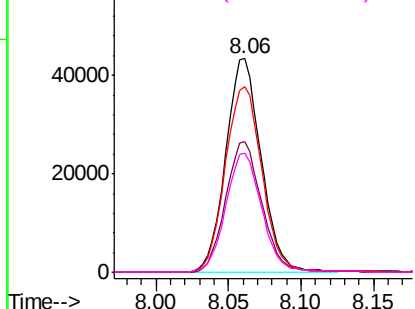
#45
 1,1,2-Trichloroethane
 Concen: 53.642 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion:	97	Resp:	73639
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.1	80.1
83	87.1	61.4	114.0
85	56.0	39.2	72.8

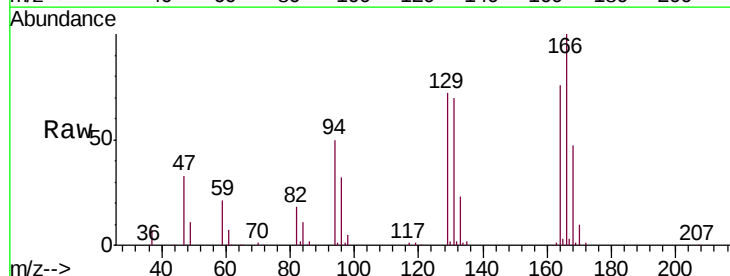


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

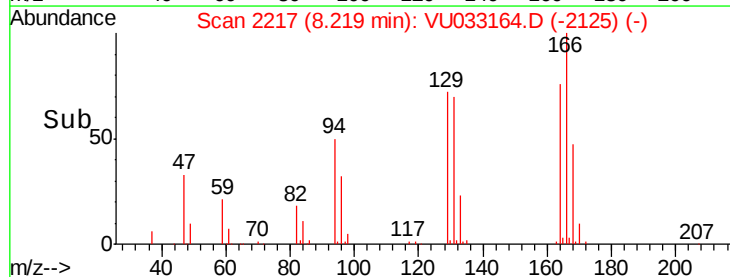
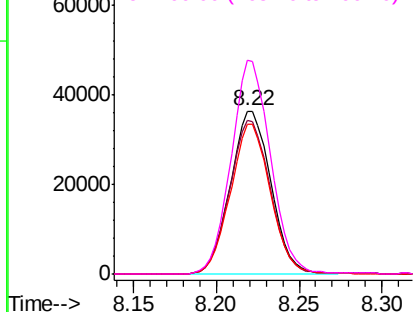


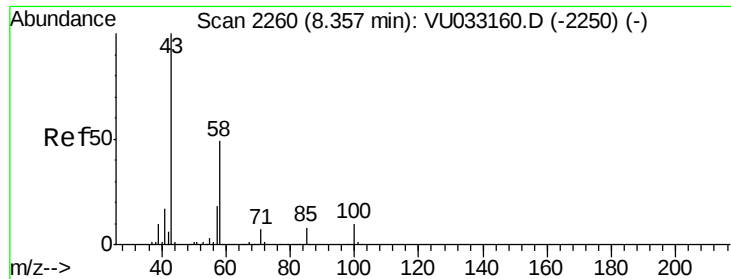
#46
 Tetrachloroethene
 Concen: 52.565 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

Tgt Ion:	164	Resp:	61878
Ion	Ratio	Lower	Upper
164	100		
129	94.8	64.8	120.3
131	92.4	64.5	119.7
166	131.3	91.3	169.6



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

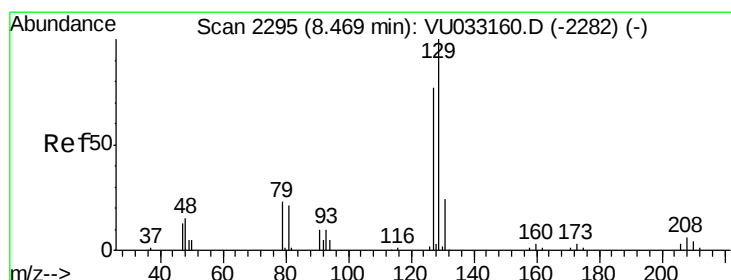
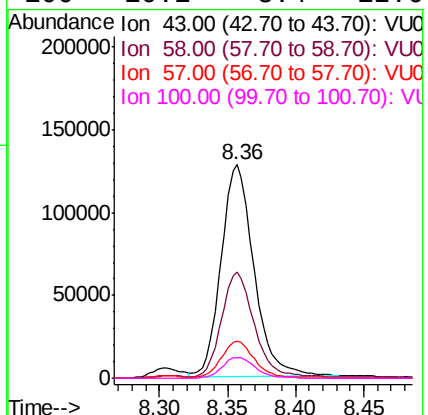
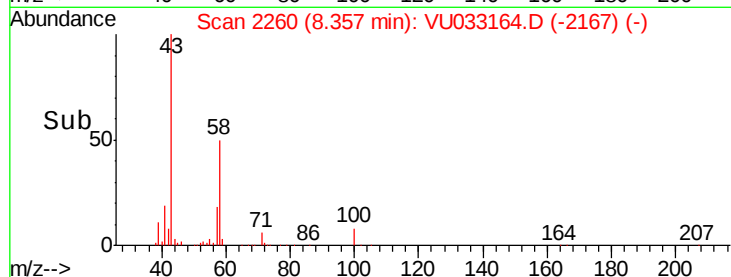
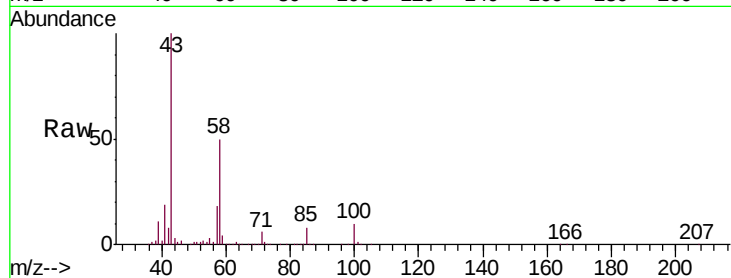




#48
2-Hexanone
Concen: 103.592 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

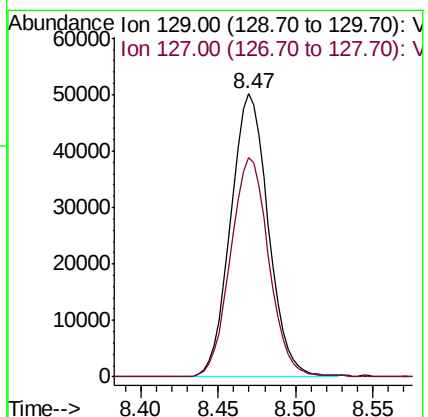
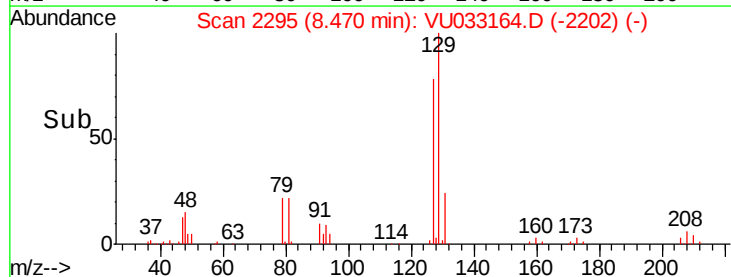
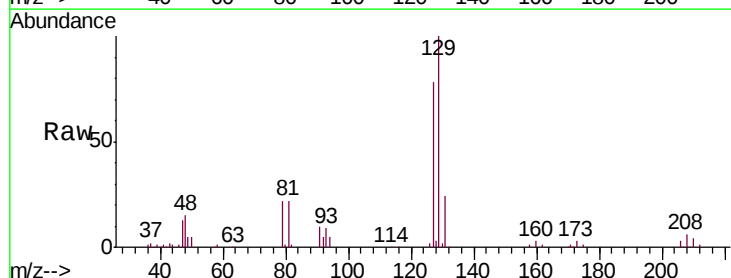
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

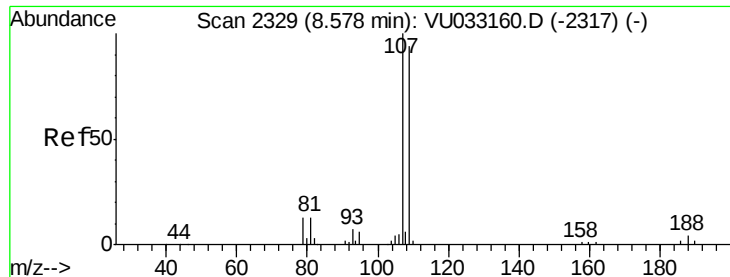
Tgt Ion: 43 Resp: 215220
Ion Ratio Lower Upper
43 100
58 50.8 40.2 60.2
57 17.5 14.2 21.4
100 10.1 8.4 12.6



#49
Dibromochloromethane
Concen: 51.274 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

Tgt Ion: 129 Resp: 84855
Ion Ratio Lower Upper
129 100
127 77.6 52.3 97.1

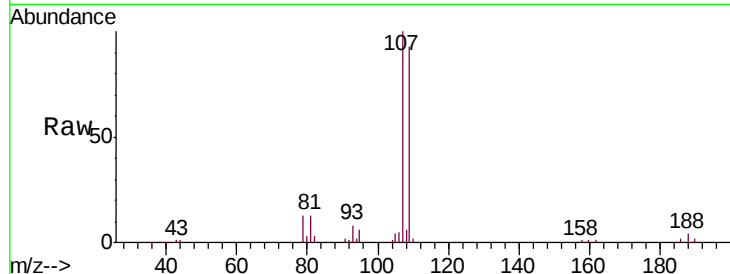




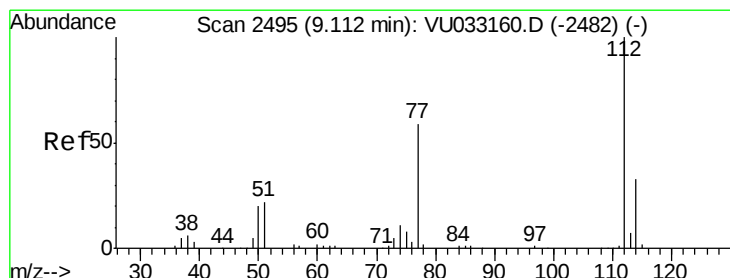
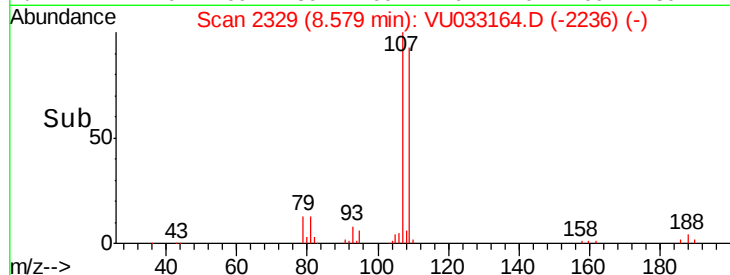
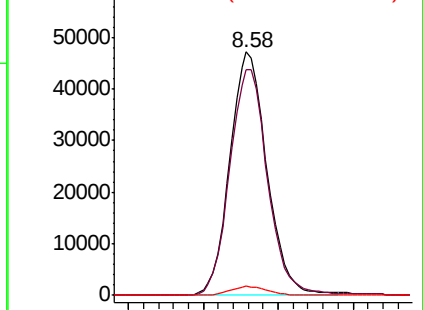
#50
1,2-Dibromoethane
Concen: 53.359 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion:107 Resp: 81348
Ion Ratio Lower Upper
107 100
109 92.9 65.4 121.4
188 3.6 3.1 4.7

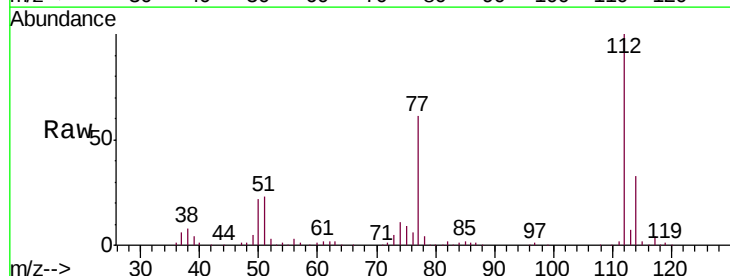


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

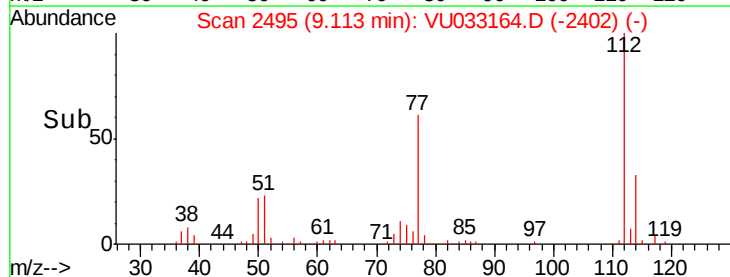
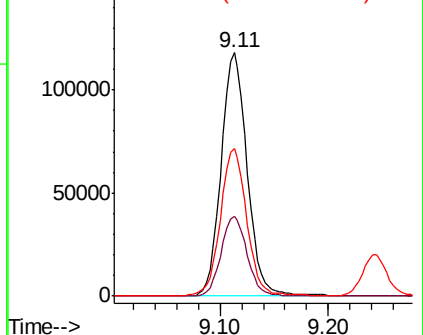


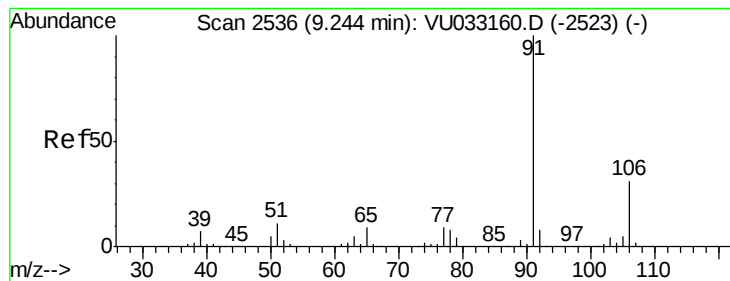
#51
Chlorobenzene
Concen: 51.831 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

Tgt Ion:112 Resp: 198417
Ion Ratio Lower Upper
112 100
114 32.9 22.8 42.4
77 60.9 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): V





#52

Ethylbenzene

Concen: 53.049 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

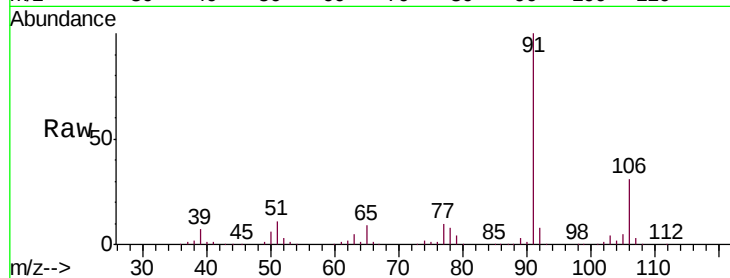
VSTD05046

Tgt Ion: 91 Resp: 341601

Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VU033164.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU033164.D (-2523) (-)

250000

200000

150000

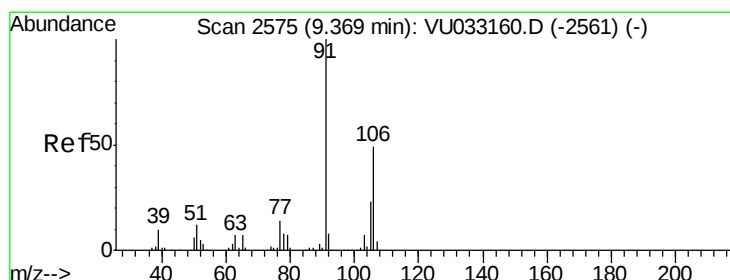
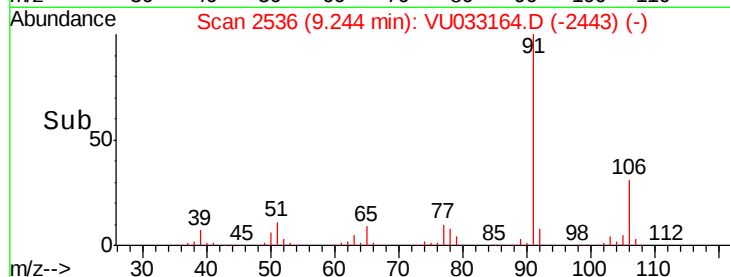
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 53.250 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033164.D

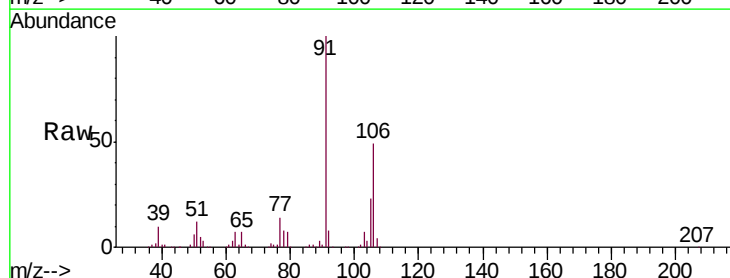
Acq: 03 Jul 2019 11:25

Tgt Ion: 106 Resp: 129372

Ion Ratio Lower Upper

106 100

91 202.4 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU033164.D (-2482) (-)

Ion 91.00 (90.70 to 91.70): VU033164.D (-2482) (-)

150000

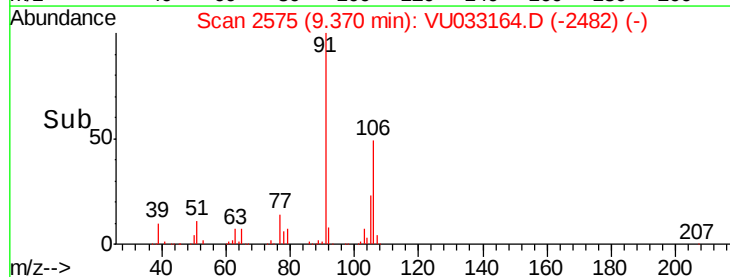
100000

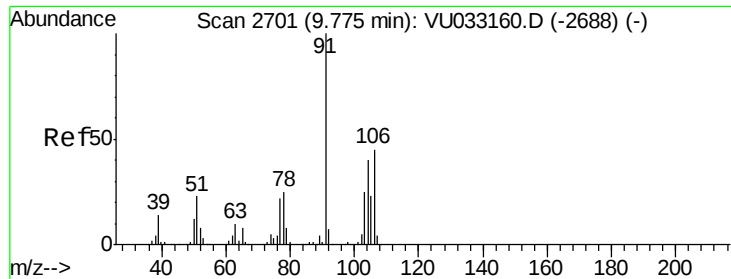
50000

0

9.30 9.40 9.50

Time-->

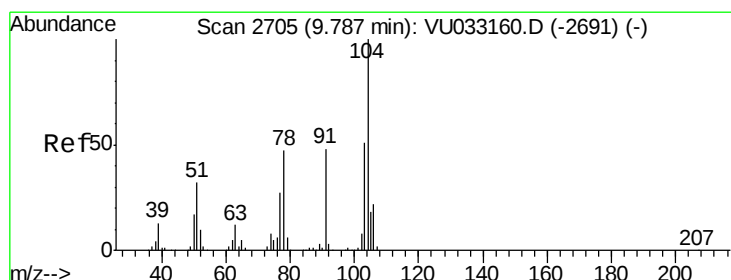
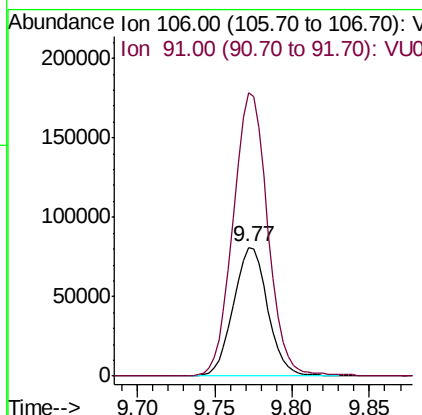
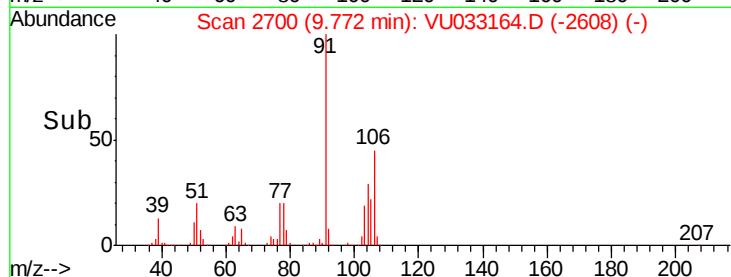
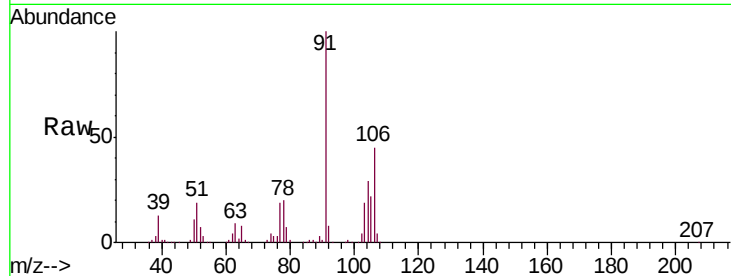




#54
o-xylene
Concen: 52.701 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

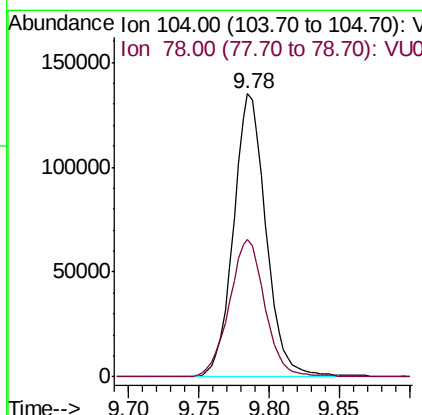
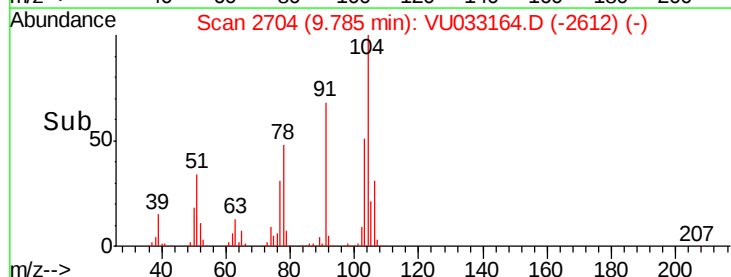
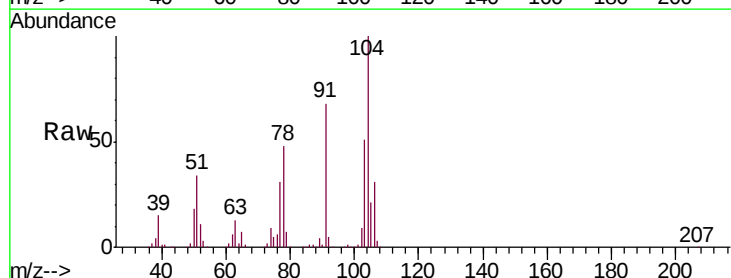
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

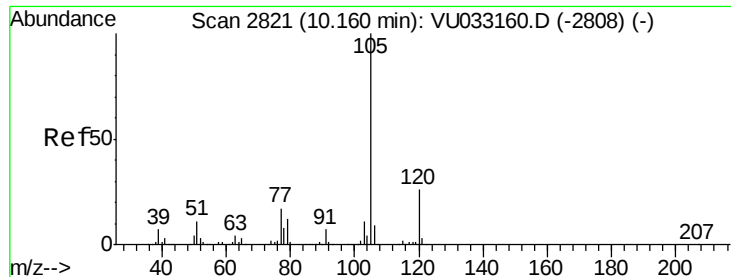
Tgt Ion:106 Resp: 125037
Ion Ratio Lower Upper
106 100
91 220.2 152.9 284.1



#55
Styrene
Concen: 52.965 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. -0.00 min
Lab File: VU033164.D
Acq: 03 Jul 2019 11:25

Tgt Ion:104 Resp: 218003
Ion Ratio Lower Upper
104 100
78 48.5 32.1 59.5





#56

Isopropylbenzene

Concen: 52.615 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

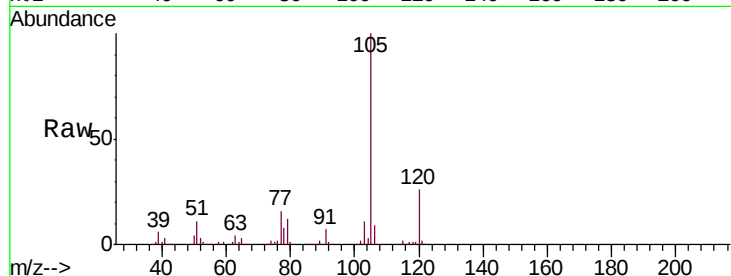
Tgt Ion: 105 Resp: 336426

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.0

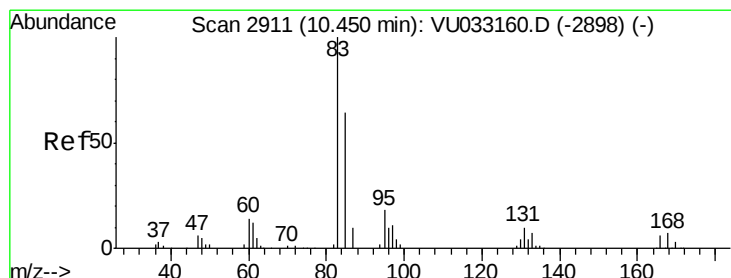
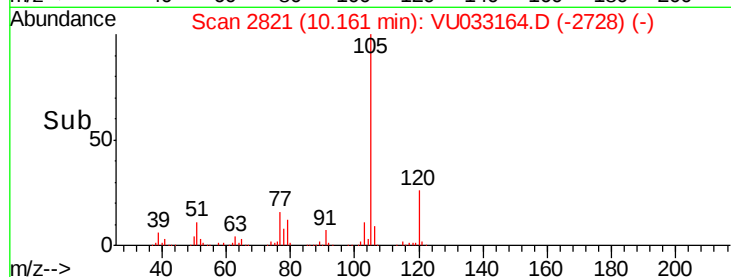
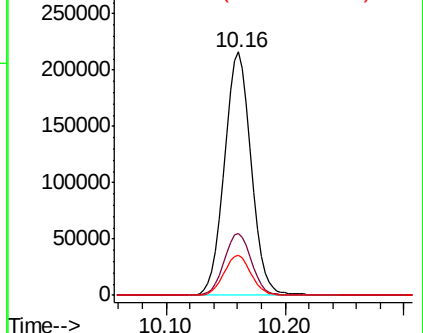
77 16.7 13.0 19.4



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: 53.021 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

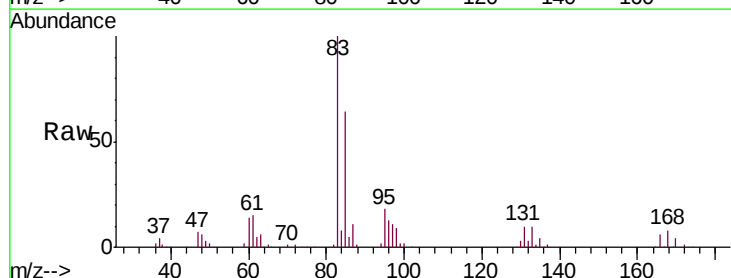
Tgt Ion: 83 Resp: 131707

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.2

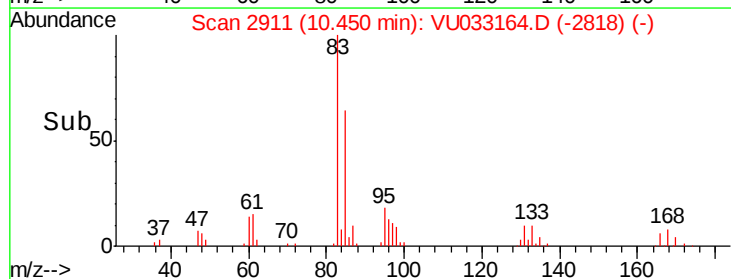
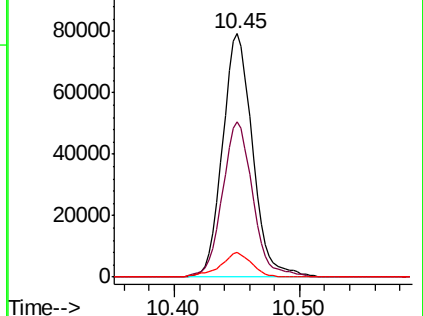
131 9.9 7.8 11.8

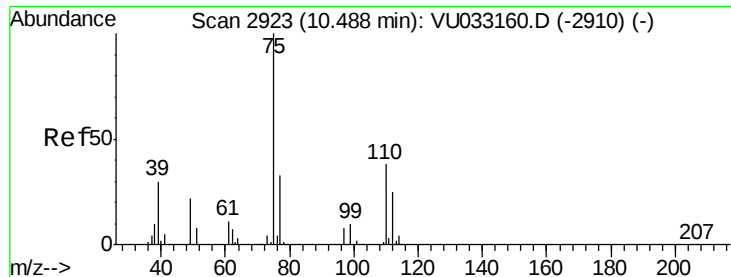


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

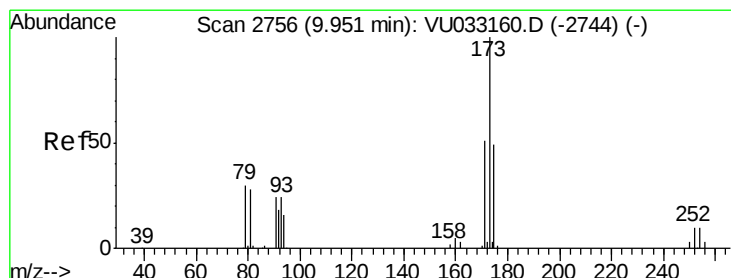
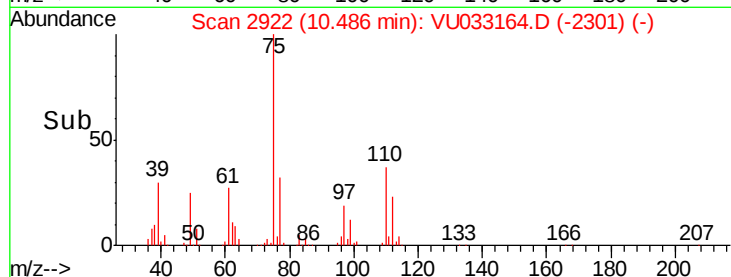
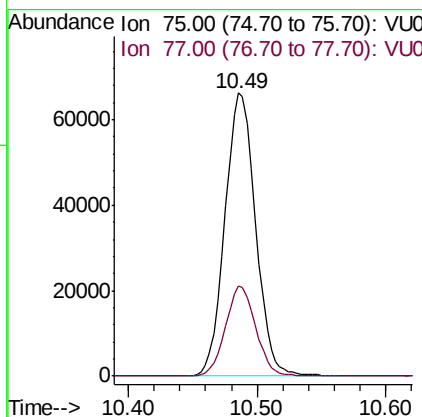
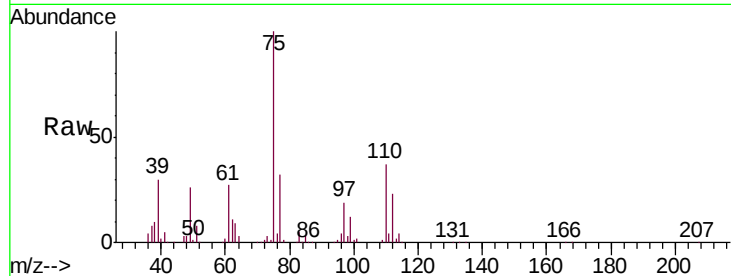




#59
 1,2,3-Trichloropropane
 Concen: 55.539 ug/L
 RT: 10.49 min Scan# 2922
 Delta R.T. -0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

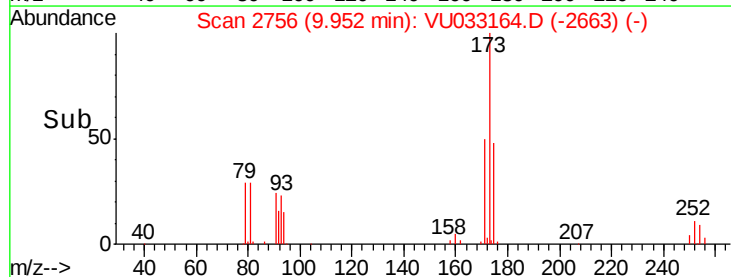
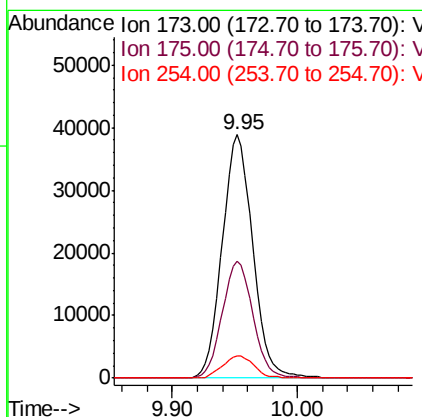
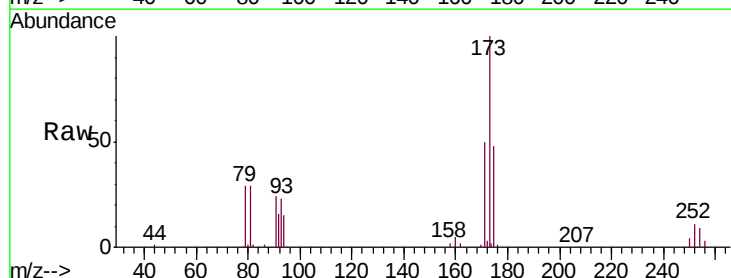
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

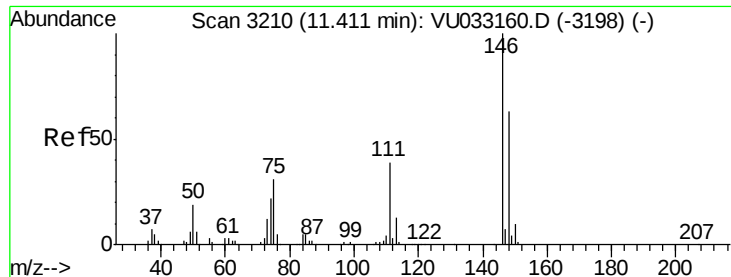
Tgt Ion: 75 Resp: 109318
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3



#61
 Bromoform
 Concen: 50.592 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

Tgt Ion: 173 Resp: 65681
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.0 58.4
 254 9.3 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 50.500 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

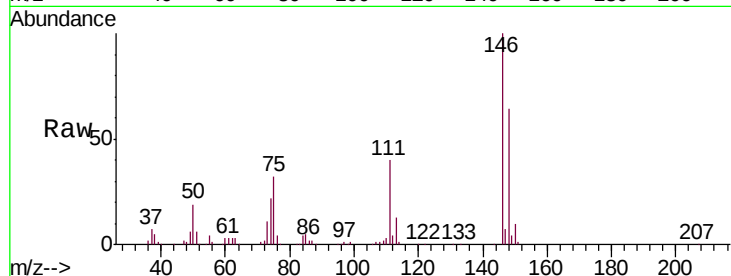
Tgt Ion:146 Resp: 156069

Ion Ratio Lower Upper

146 100

111 39.9 28.4 52.8

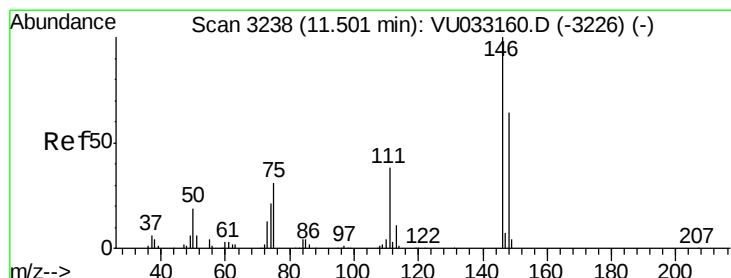
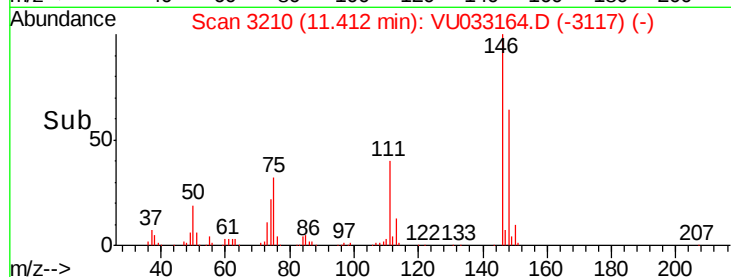
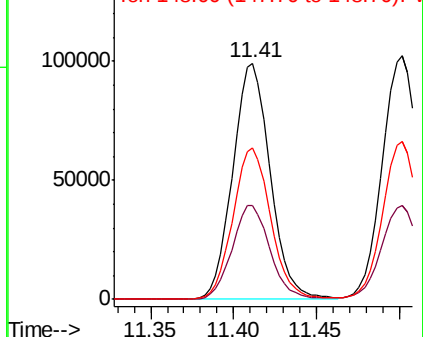
148 63.9 45.5 84.5



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: 50.273 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

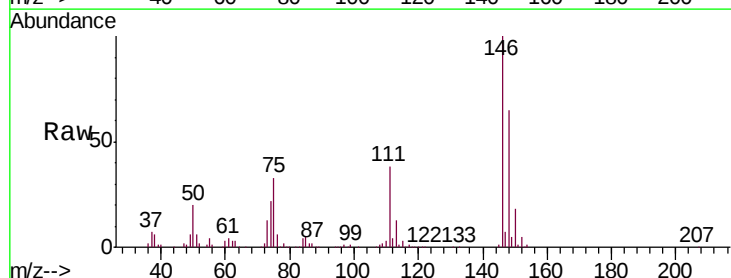
Tgt Ion:146 Resp: 160474

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

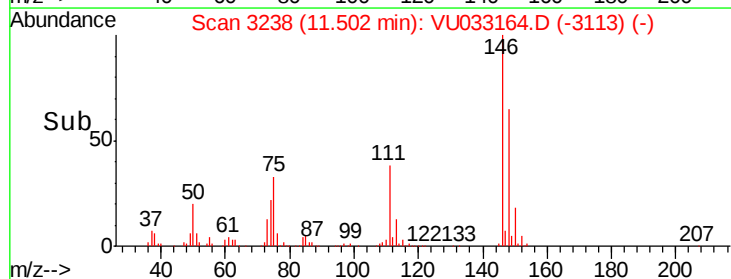
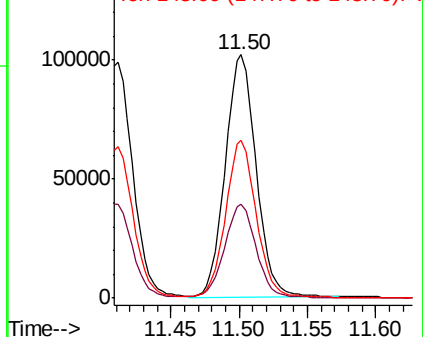
148 64.8 44.7 83.1

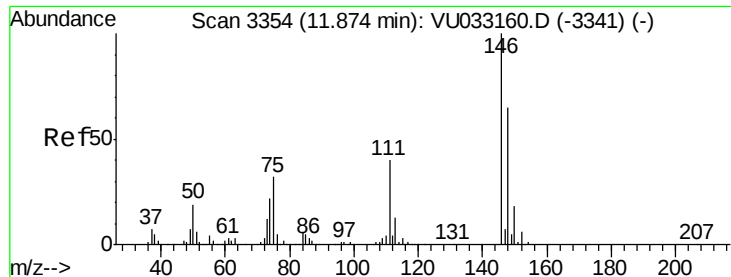


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

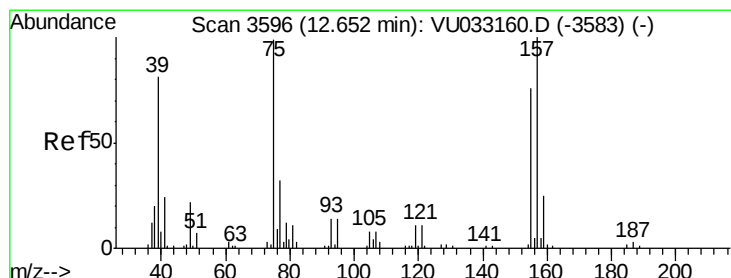
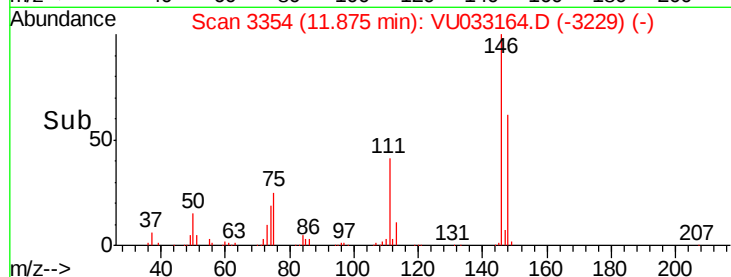
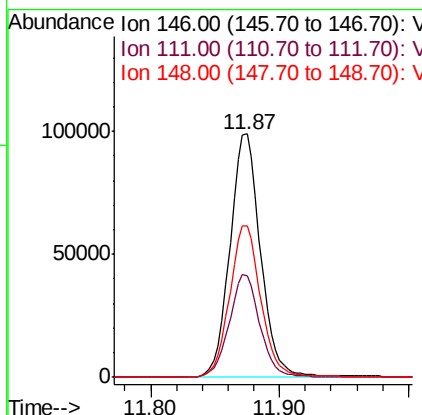
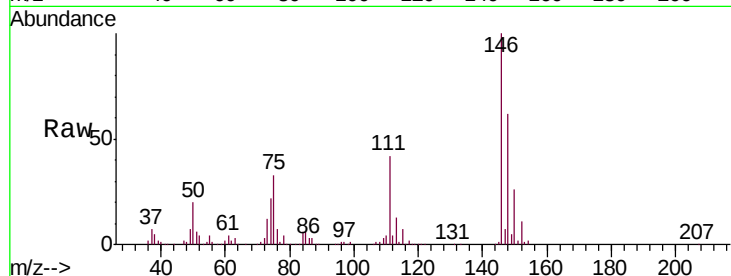




#65
 1,2-Dichlorobenzene
 Concen: 51.619 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

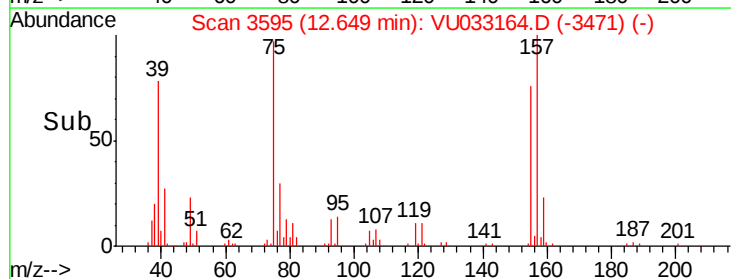
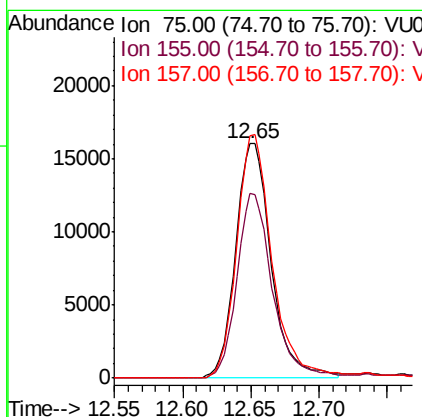
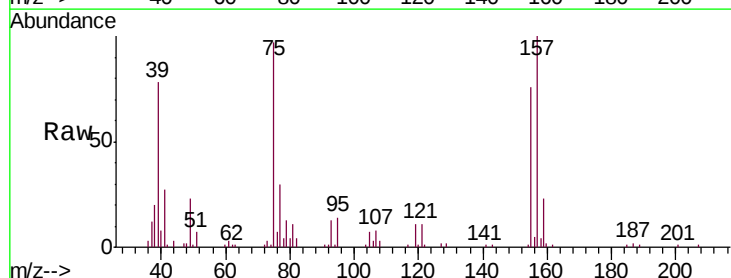
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

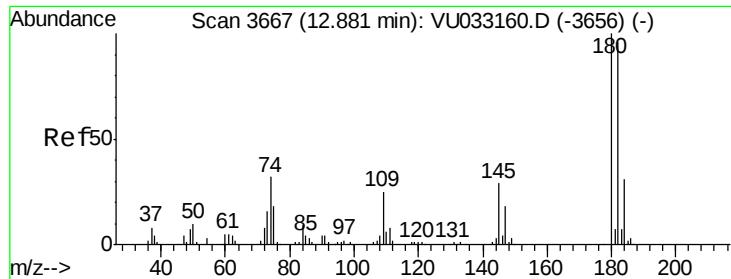
Tgt Ion: 146 Resp: 162885
 Ion Ratio Lower Upper
 146 100
 111 41.7 34.1 51.1
 148 62.3 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.278 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

Tgt Ion: 75 Resp: 29064
 Ion Ratio Lower Upper
 75 100
 155 78.7 67.4 101.2
 157 103.3 85.5 128.3

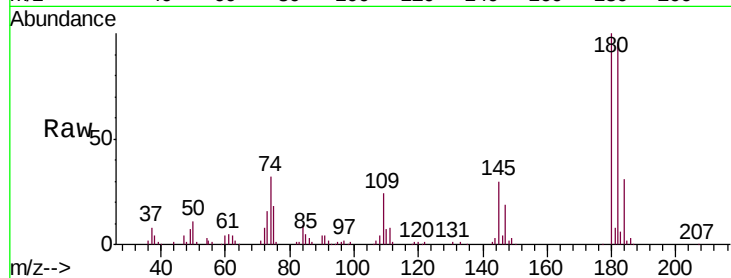




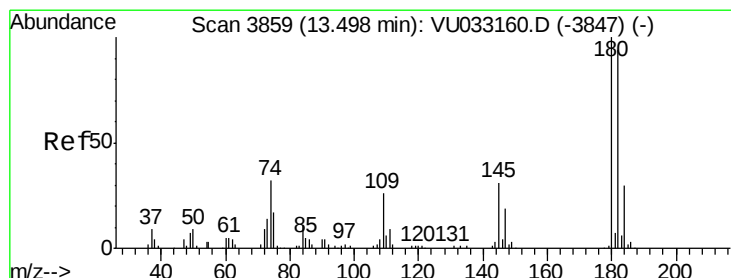
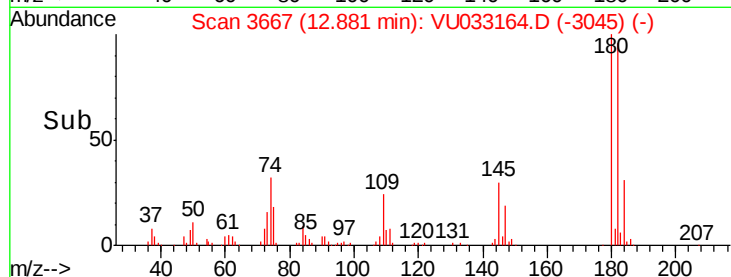
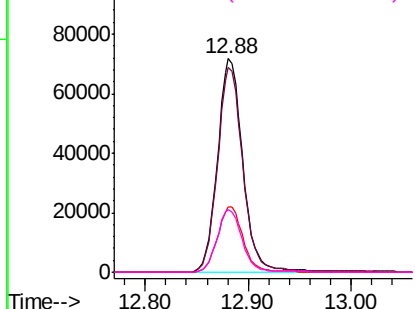
#67
 1,3,5-Trichlorobenzene
 Concen: 49.368 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion:180 Resp: 122589
 Ion Ratio Lower Upper
 180 100
 182 94.2 78.3 117.5
 184 30.4 24.8 37.2
 145 28.8 23.4 35.2

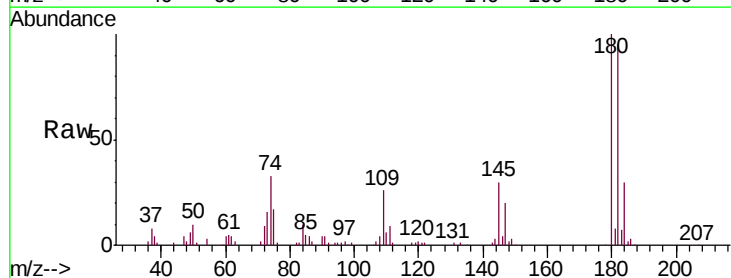


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

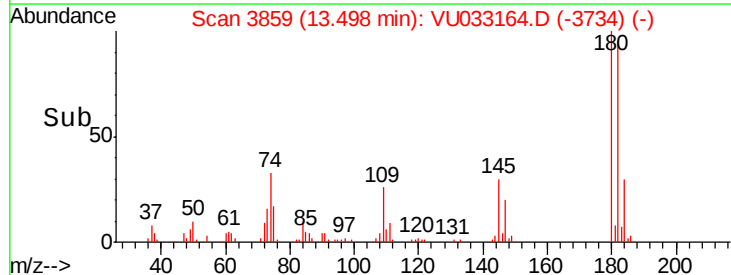
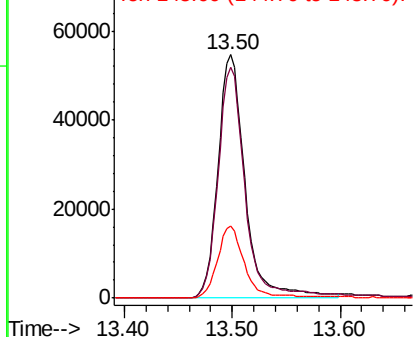


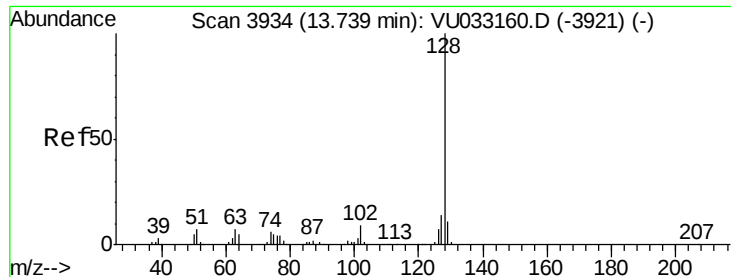
#68
 1,2,4-trichlorobenzene
 Concen: 44.879 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU033164.D
 Acq: 03 Jul 2019 11:25

Tgt Ion:180 Resp: 95891
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.2 114.4
 145 29.8 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: 39.491 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

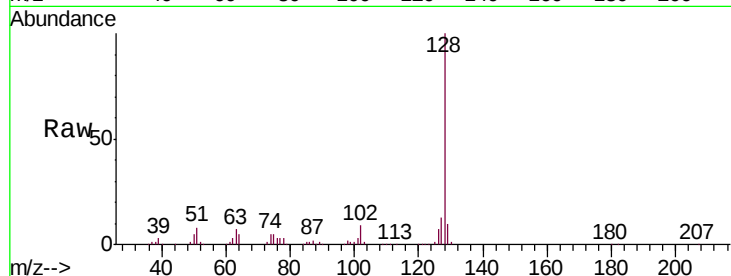
Tgt Ion:128 Resp: 259440

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

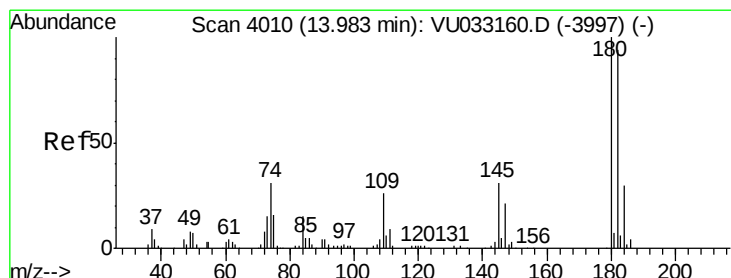
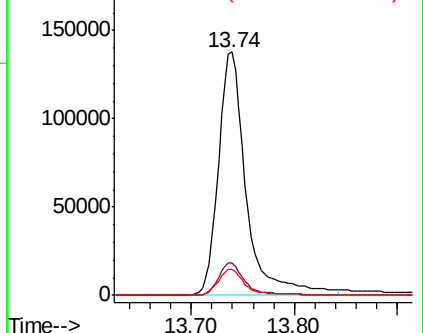
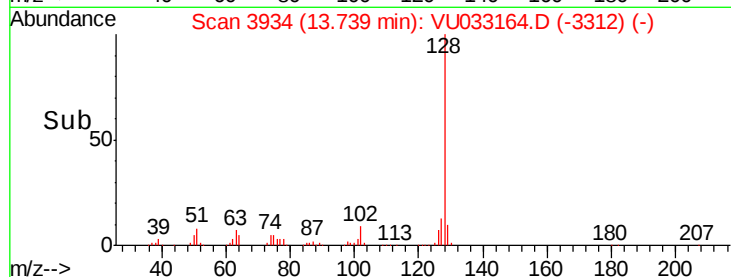
129 10.5 8.6 13.0



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: 45.560 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033164.D

Acq: 03 Jul 2019 11:25

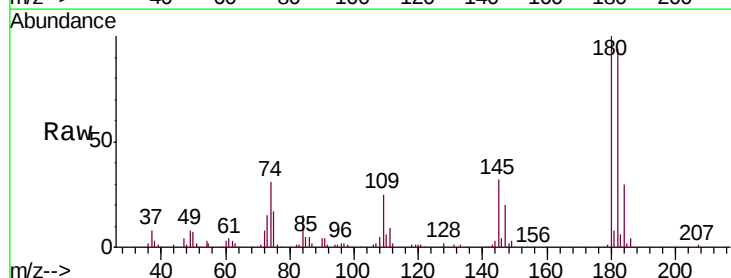
Tgt Ion:180 Resp: 103054

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

145 31.7 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

