

Data File : VU033160.D
Acq On : 03 Jul 2019 09:46
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Jul 03 22:31:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	183177	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186374	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96703	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	70378	56.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.44%
7) Chloroethane-d5	1.67	69	55985	56.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.14%
11) 1,1-Dichloroethene-d2	2.27	63	139687	55.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.78%
21) 2-Butanone-d5	4.17	46	112084	107.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.57%
24) Chloroform-d	4.64	84	134502	55.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.54%
26) 1,2-Dichloroethane-d4	5.30	65	90045	55.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.10%
32) Benzene-d6	5.33	84	252036	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
36) 1,2-Dichloropropane-d6	6.32	67	79759	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.06%
41) Toluene-d8	7.56	98	239218	52.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.16%
43) trans-1,3-Dichloropropene-	7.84	79	40485	50.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.58%
47) 2-Hexanone-d5	8.31	63	68795	95.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.20%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118011	49.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.64%
64) 1,2-Dichlorobenzene-d4	11.85	152	92564	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	94491	51.068 ug/L	99
3) Chloromethane	1.32	50	84940	50.649 ug/L	100
5) Vinyl chloride	1.40	62	84725	50.935 ug/L	100
6) Bromomethane	1.62	94	48452	49.501 ug/L	100
8) Chloroethane	1.69	64	51464	53.748 ug/L	99
9) Trichlorofluoromethane	1.88	101	125184	53.643 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66325	54.185 ug/L	97
12) 1,1-Dichloroethene	2.28	96	58041	50.316 ug/L	97
13) Acetone	2.32	43	137156	95.302 ug/L	99
14) Carbon disulfide	2.47	76	172050	47.137 ug/L	100
15) Methyl Acetate	2.61	43	90471	55.457 ug/L	97
16) Methylene chloride	2.69	84	71483	52.811 ug/L	98
17) trans-1,2-Dichloroethene	2.97	96	62526	49.985 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	206927	51.524 ug/L	97
19) 1,1-Dichloroethane	3.44	63	130203	54.598 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	71893	52.757 ug/L	99
22) 2-Butanone	4.25	43	152193	102.029 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39063	54.949	ug/L	98
25) Chloroform	4.66	83	137842	56.049	ug/L	97
27) 1,2-Dichloroethane	5.40	62	115282	57.061	ug/L	99
29) Cyclohexane	4.99	56	104092	47.832	ug/L	98
30) 1,1,1-Trichloroethane	4.90	97	118137	52.028	ug/L	98
31) Carbon tetrachloride	5.13	117	107324	51.947	ug/L	100
33) Benzene	5.38	78	278778	51.924	ug/L	100
34) Trichloroethene	6.18	95	74379	51.850	ug/L	99
35) Methylcyclohexane	6.41	83	110790	49.965	ug/L	98
37) 1,2-Dichloropropane	6.42	63	77467	52.600	ug/L	99
38) Bromodichloromethane	6.75	83	105261	53.153	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	117406	51.169	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	255553	108.686	ug/L	96
42) Toluene	7.63	91	305289	52.555	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	111563	51.767	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	72274	52.725	ug/L	100
46) Tetrachloroethene	8.22	164	61017	51.909	ug/L	99
48) 2-Hexanone	8.36	43	211492	101.946	ug/L	98
49) Dibromochloromethane	8.47	129	84940	51.400	ug/L	97
50) 1,2-Dibromoethane	8.58	107	78872	51.810	ug/L	100
51) Chlorobenzene	9.11	112	195895	51.247	ug/L	98
52) Ethylbenzene	9.24	91	328195	51.042	ug/L	99
53) m,p-Xylene	9.37	106	125298	51.648	ug/L	99
54) o-xylene	9.77	106	120671	50.935	ug/L	96
55) Styrene	9.79	104	210619	51.245	ug/L	98
56) Isopropylbenzene	10.16	105	327283	51.260	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	126023	50.807	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	104029	52.930	ug/L	99
61) Bromoform	9.95	173	65059	51.523	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	151516	50.407	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	158553	51.070	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	158187	51.541	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	29005	49.536	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	118025	48.868	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	87724	42.212	ug/L	98
69) Naphthalene	13.74	128	240275	37.604	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	98257	44.662	ug/L	98

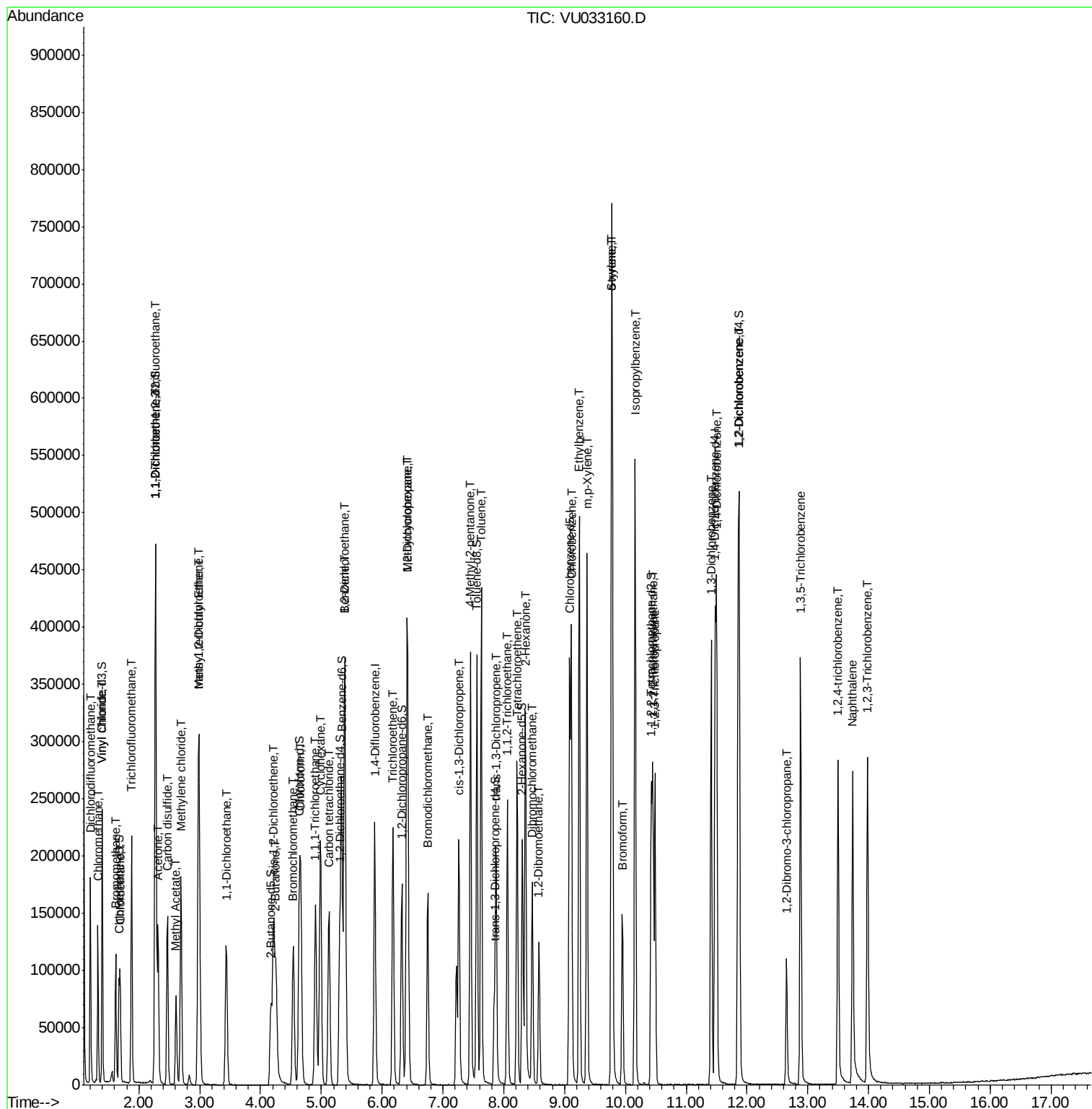
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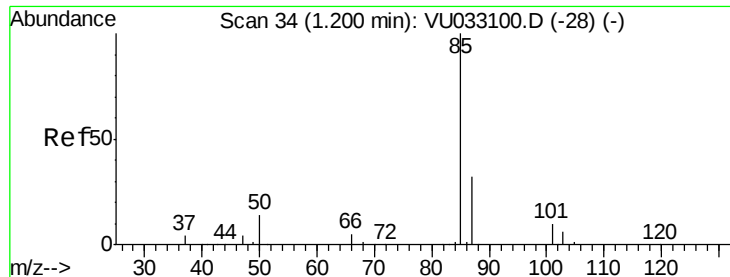
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#2

Dichlorodifluoromethane

Concen: 51.068 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampled :

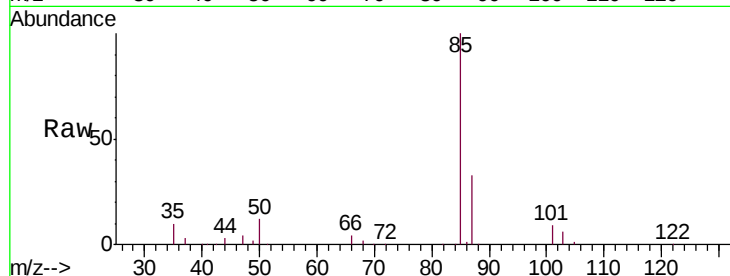
VSTD05045

Tgt Ion: 85 Resp: 94491

Ion Ratio Lower Upper

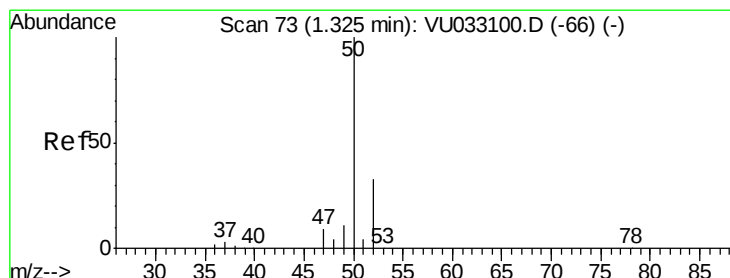
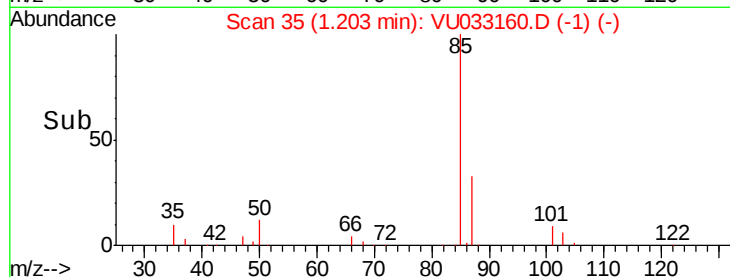
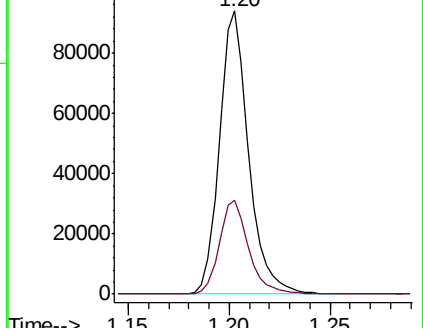
85 100

87 33.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033160.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033160.D (-1) (-)



#3

Chloromethane

Concen: 50.649 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033160.D

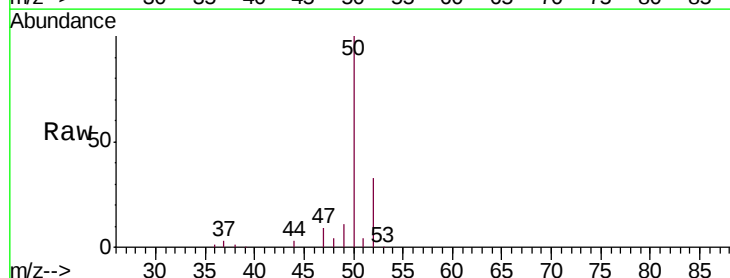
Acq: 03 Jul 2019 09:46

Tgt Ion: 50 Resp: 84940

Ion Ratio Lower Upper

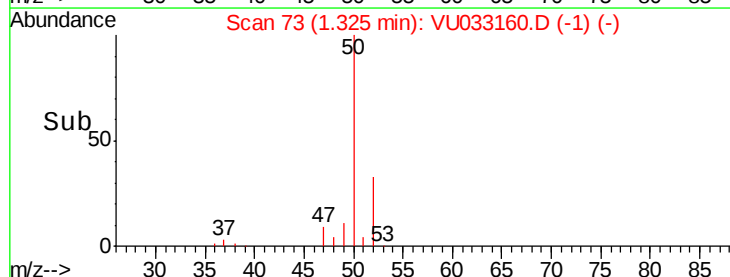
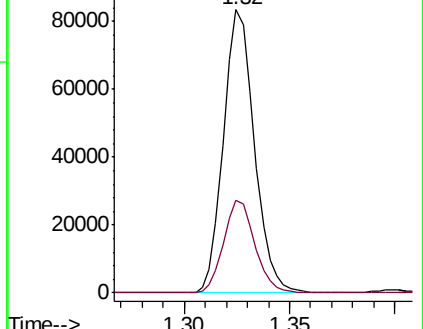
50 100

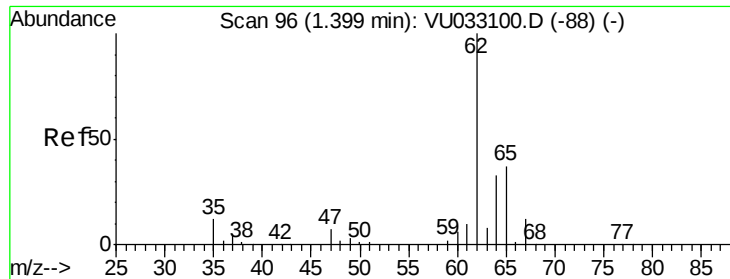
52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU033160.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033160.D (-1) (-)





#5

Vinyl chloride

Concen: 50.935 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

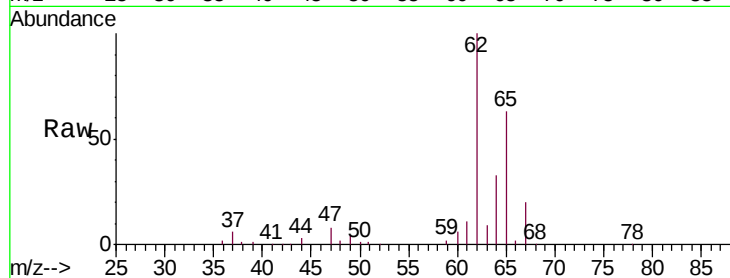
VSTD05045

Tgt Ion: 62 Resp: 84725

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033160.D (-3) (-)

Ion 64.00 (63.70 to 64.70): VU033160.D (-3) (-)

1.40

80000

60000

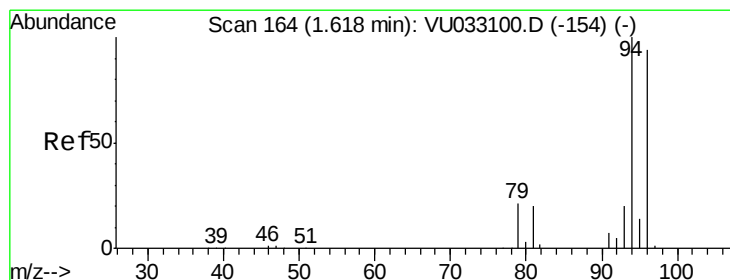
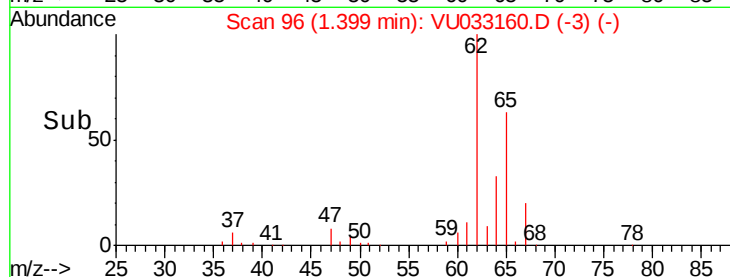
40000

20000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 49.501 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033160.D

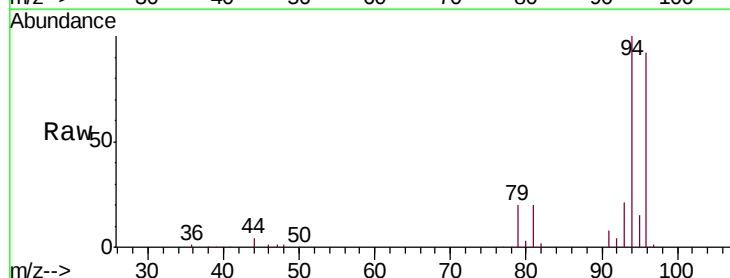
Acq: 03 Jul 2019 09:46

Tgt Ion: 94 Resp: 48452

Ion Ratio Lower Upper

94 100

96 92.3 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU033160.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU033160.D (-71) (-)

1.62

40000

30000

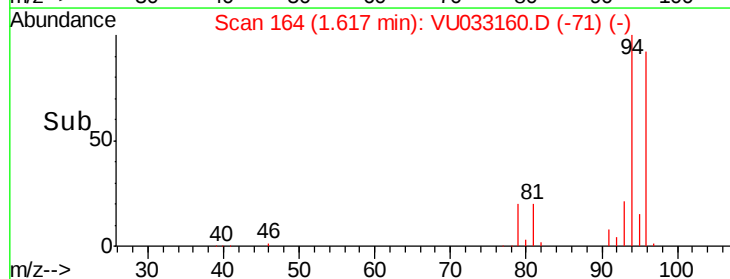
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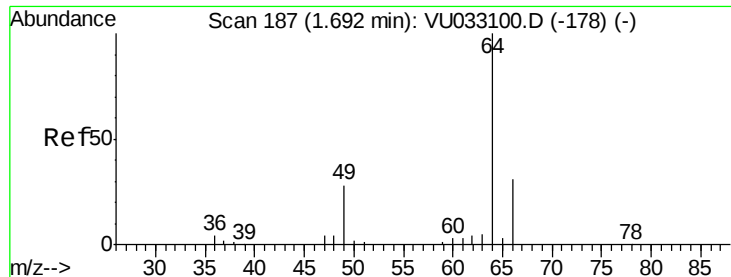
10000

0

Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 53.748 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

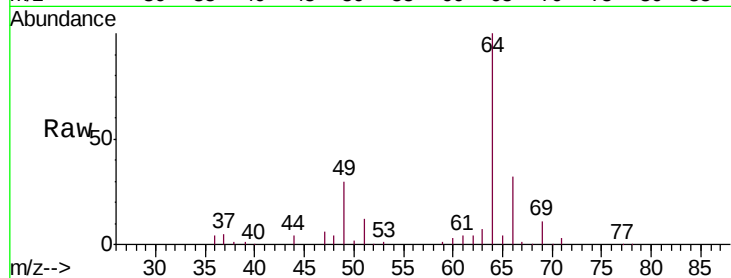
VSTD05045

Tgt Ion: 64 Resp: 51464

Ion Ratio Lower Upper

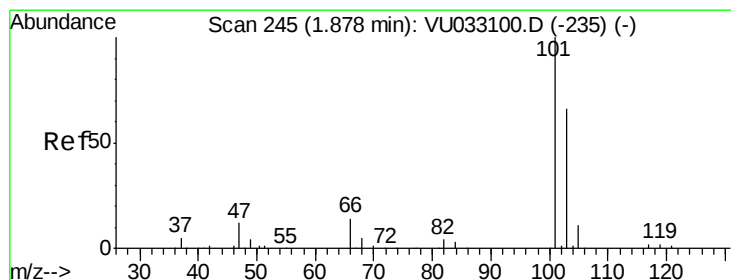
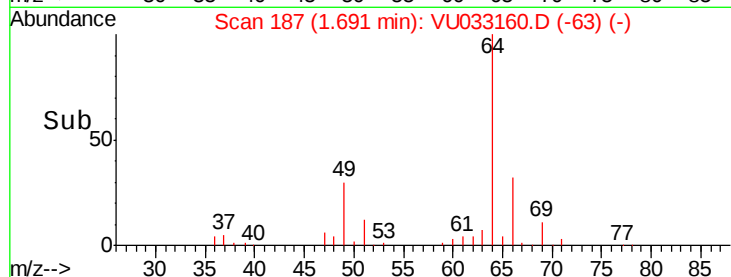
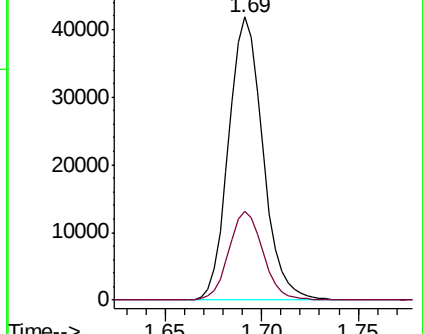
64 100

66 31.6 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU033160.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU033160.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 53.643 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU033160.D

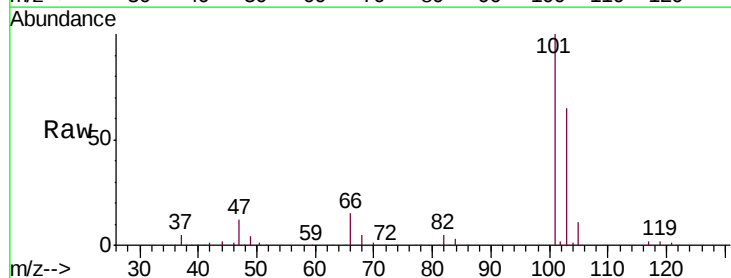
Acq: 03 Jul 2019 09:46

Tgt Ion: 101 Resp: 125184

Ion Ratio Lower Upper

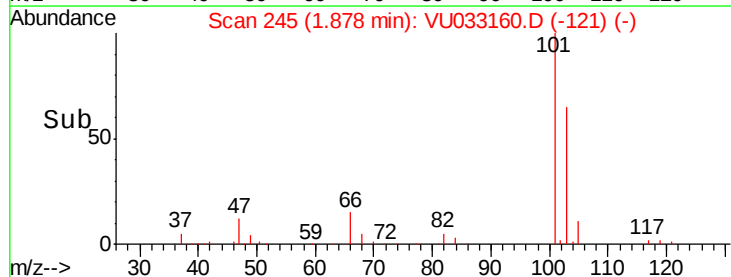
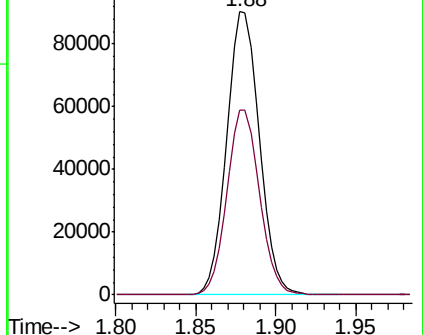
101 100

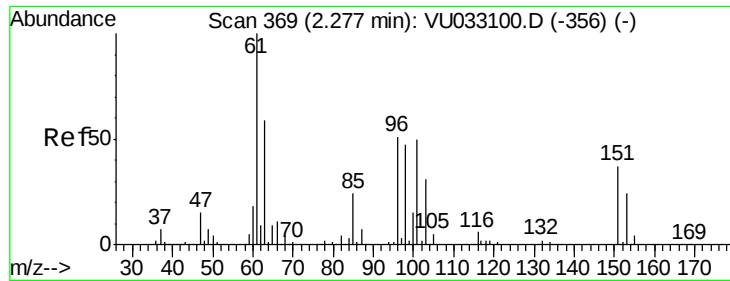
103 65.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU033160.D (-121) (-)

Ion 103.00 (102.70 to 103.70): VU033160.D (-121) (-)





#10

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

Concen: 54.185 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

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MSVOA_U

ClientSampleId :

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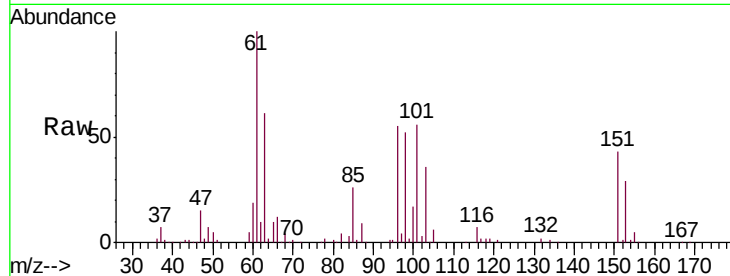
Tgt Ion:101 Resp: 66325

Ion Ratio Lower Upper

101 100

85 46.0 36.8 55.2

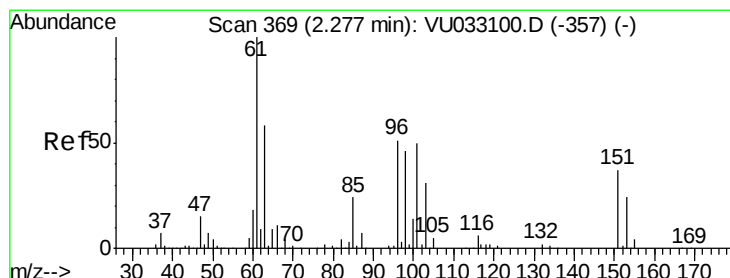
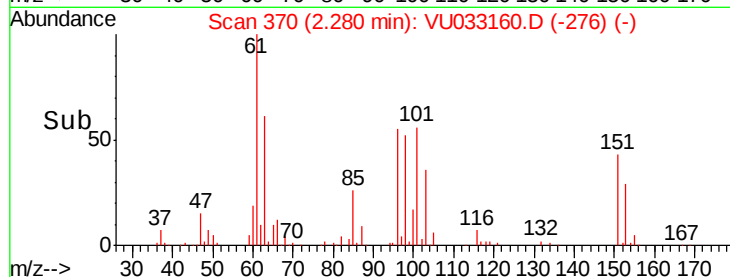
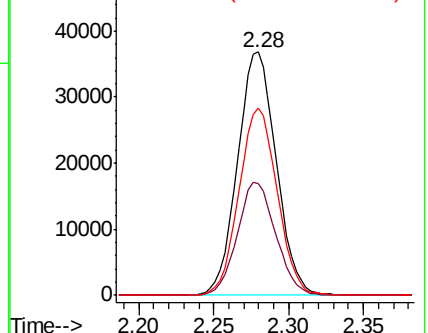
151 75.8 63.6 95.4



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: 50.316 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

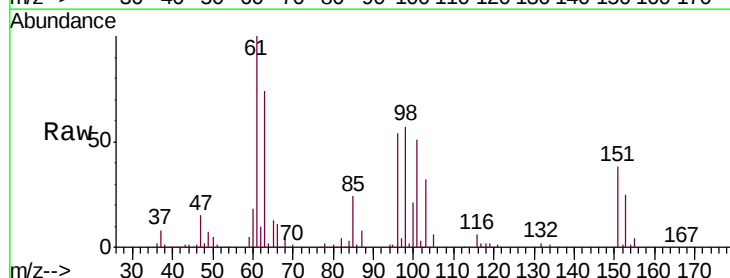
Tgt Ion: 96 Resp: 58041

Ion Ratio Lower Upper

96 100

61 185.9 131.0 243.4

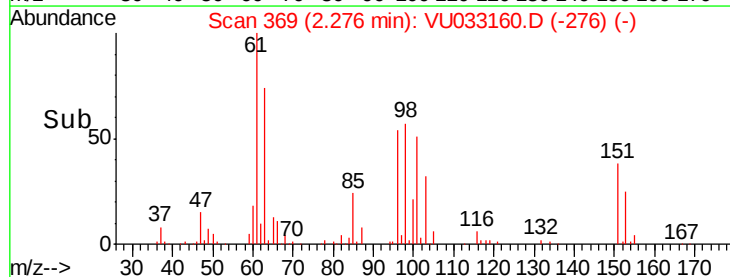
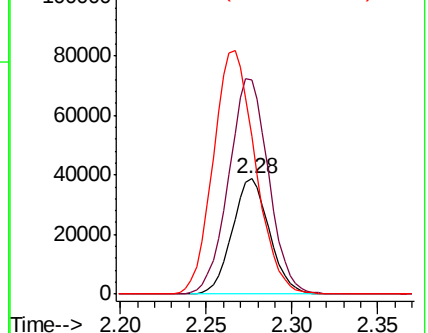
63 137.1 101.0 187.6

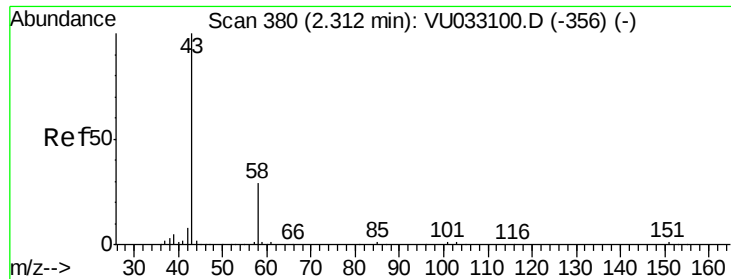


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.302 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033160.D

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Instrument :

MSVOA_U

ClientSampleId :

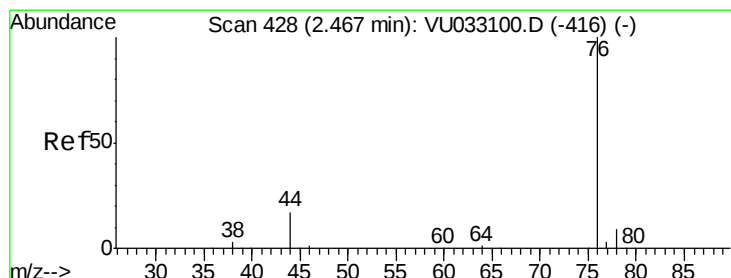
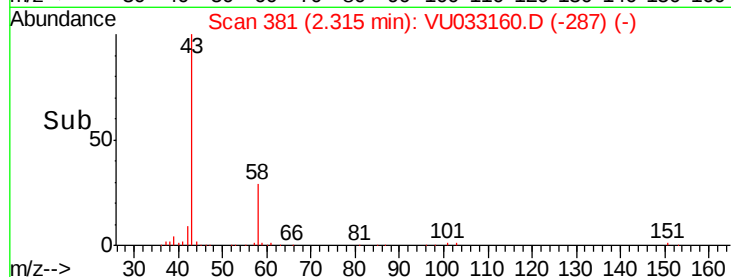
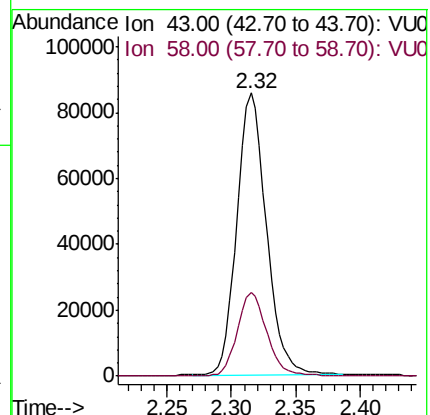
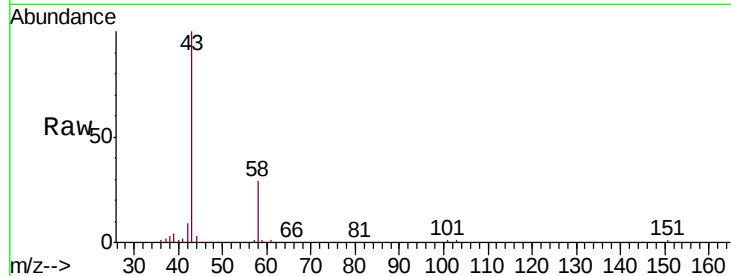
VSTD05045

Tgt Ion: 43 Resp: 137156

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.6



#14

Carbon disulfide

Concen: 47.137 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU033160.D

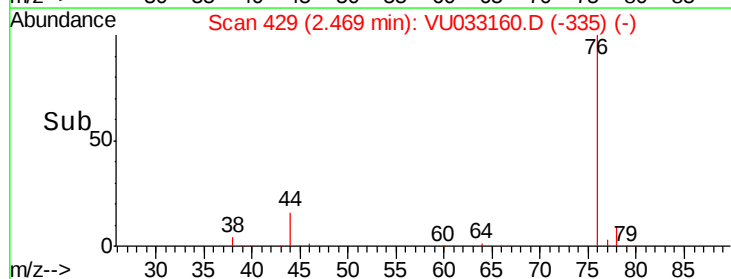
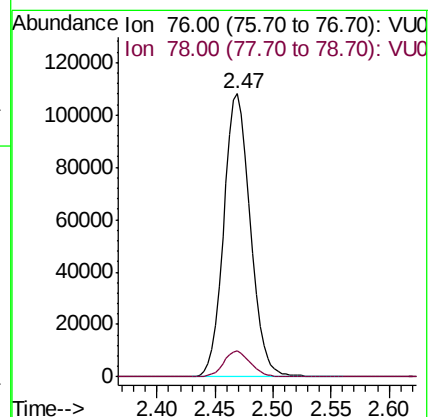
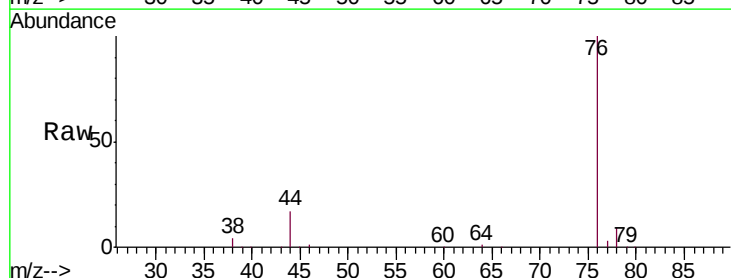
Acq: 03 Jul 2019 09:46

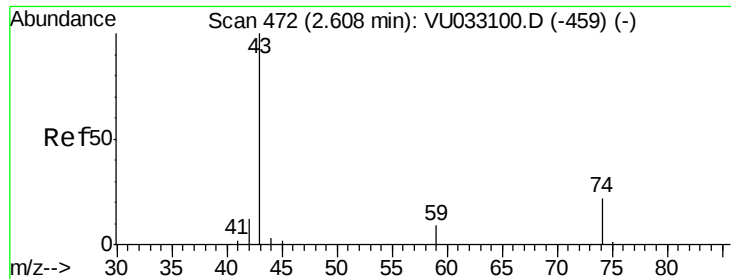
Tgt Ion: 76 Resp: 172050

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

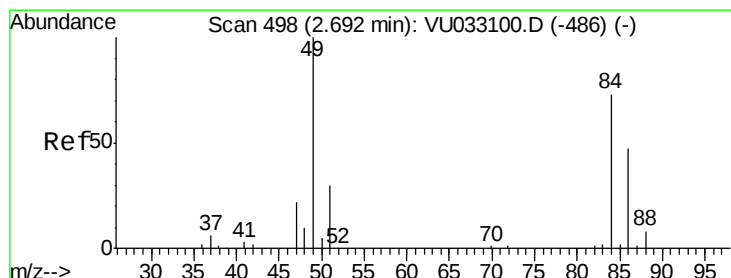
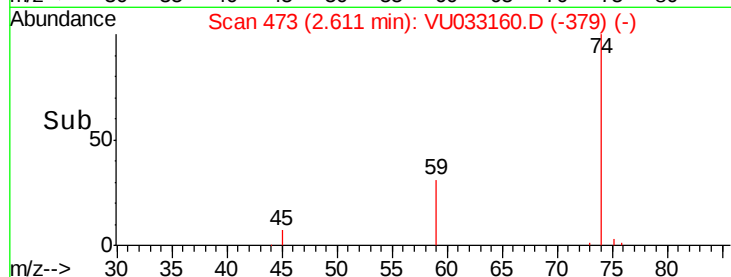
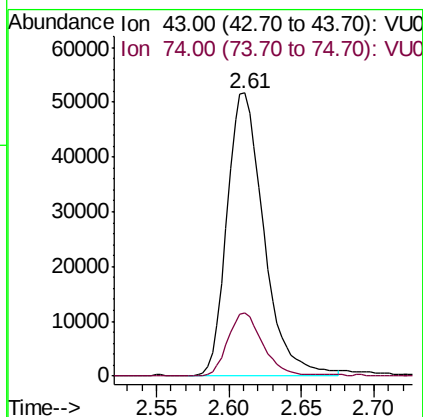
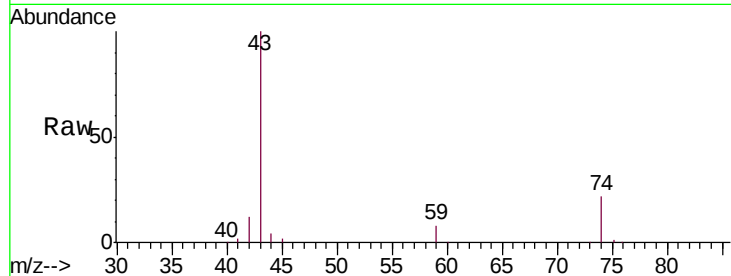




#15
Methyl Acetate
Concen: 55.457 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

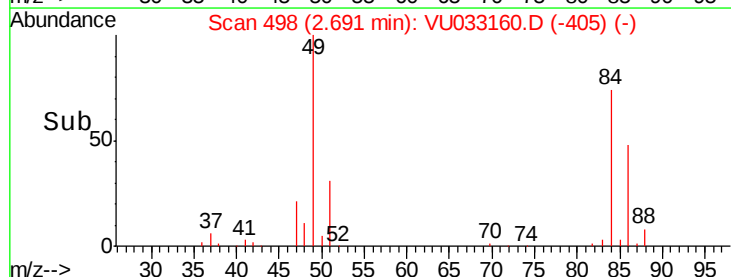
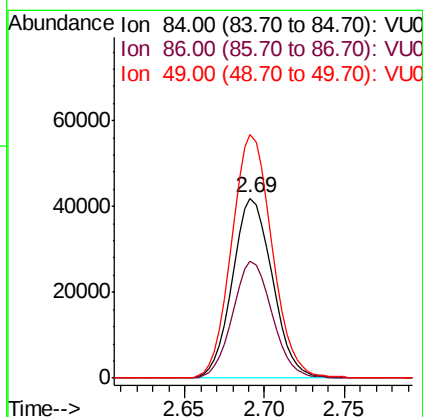
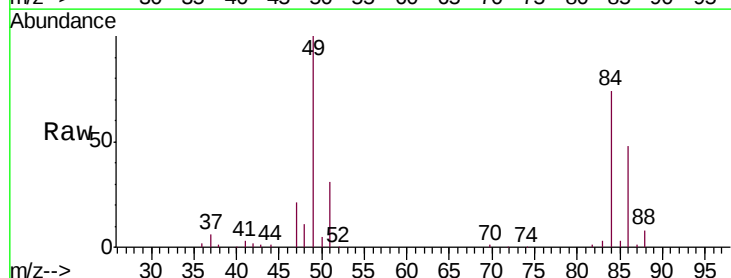
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

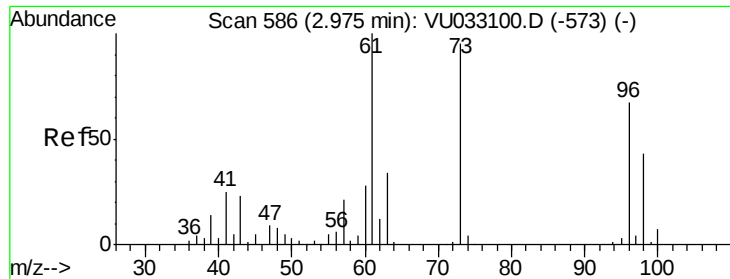
Tgt Ion: 43 Resp: 90471
Ion Ratio Lower Upper
43 100
74 21.1 18.1 27.1



#16
Methylene chloride
Concen: 52.811 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Tgt Ion: 84 Resp: 71483
Ion Ratio Lower Upper
84 100
86 65.1 45.5 84.5
49 135.4 92.1 171.1

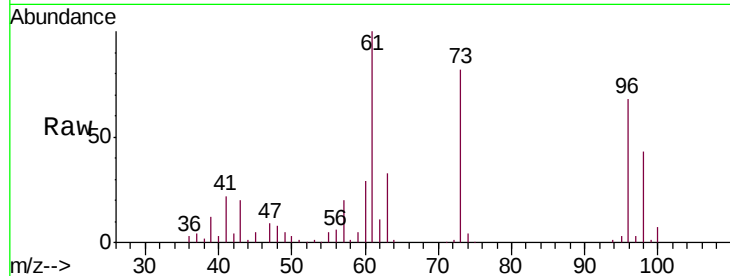




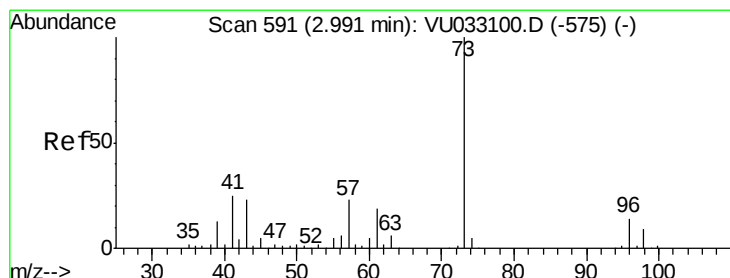
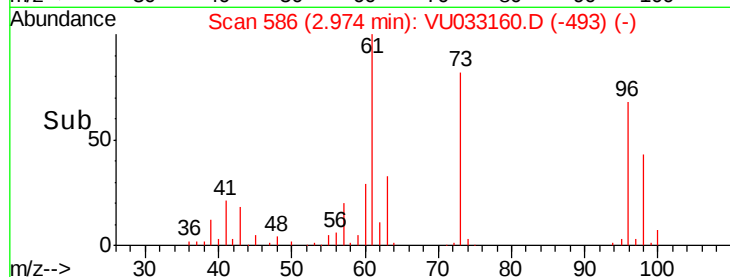
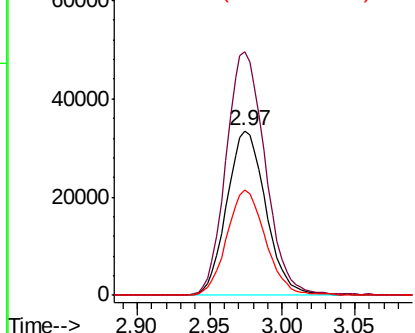
#17
trans-1,2-Dichloroethene
Concen: 49.985 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Tgt Ion: 96 Resp: 62526
Ion Ratio Lower Upper
96 100
61 147.7 100.9 187.5
98 63.5 44.0 81.8

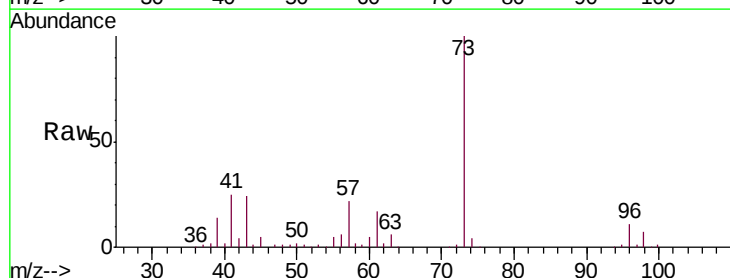


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

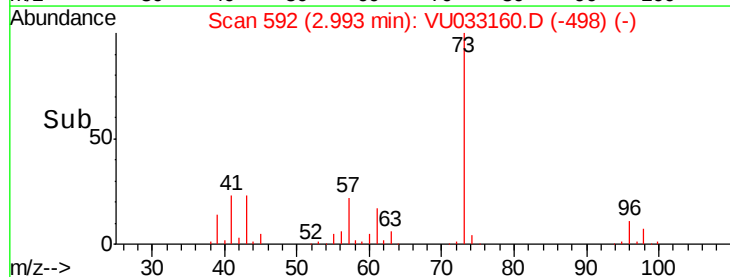
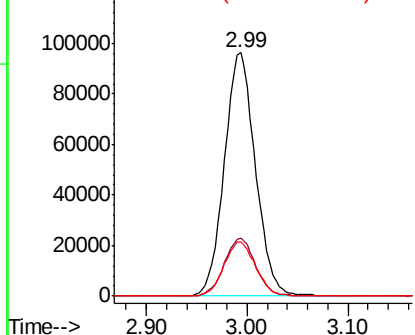


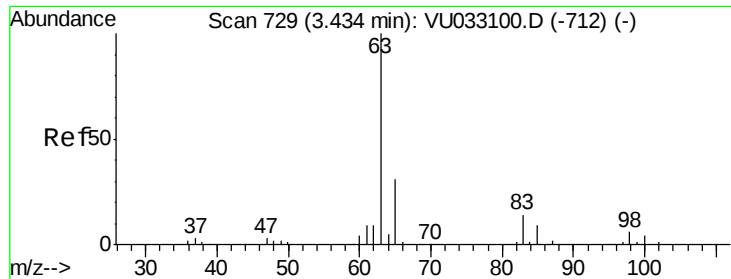
#18
Methyl tert-butyl Ether
Concen: 51.524 ug/L
RT: 2.99 min Scan# 592
Delta R.T. 0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Tgt Ion: 73 Resp: 206927
Ion Ratio Lower Upper
73 100
43 24.2 17.8 26.8
57 22.8 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

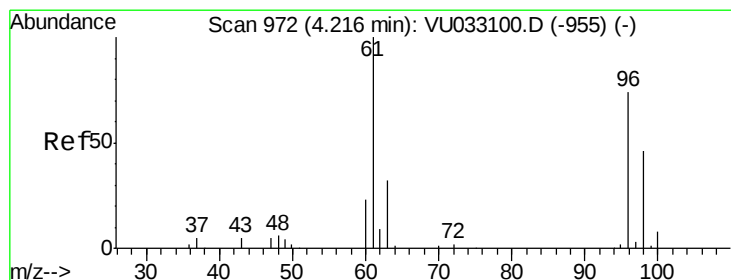
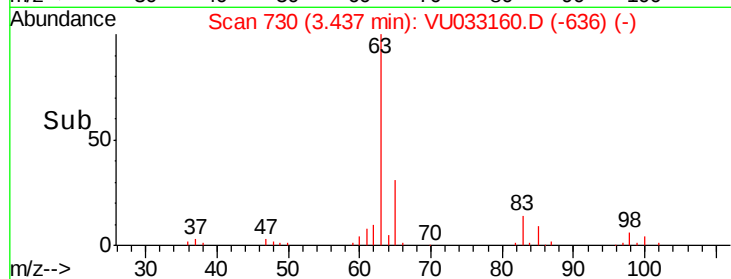
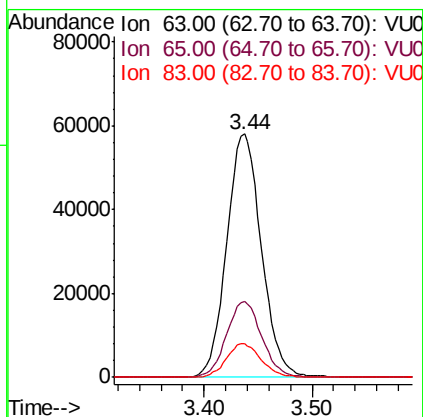
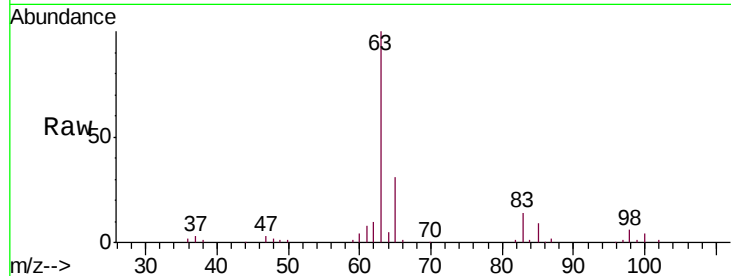




#19
 1,1-Dichloroethane
 Concen: 54.598 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

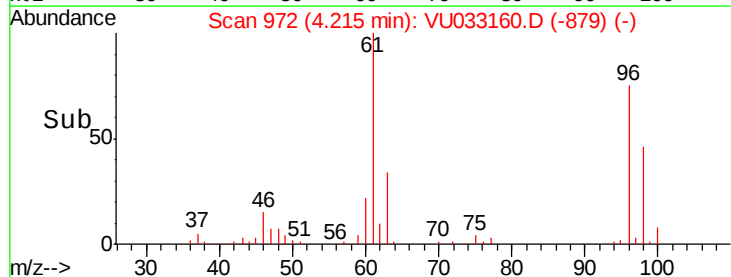
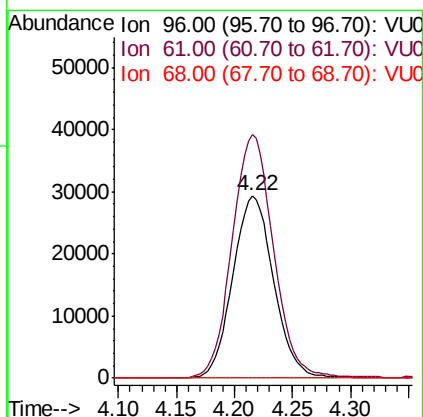
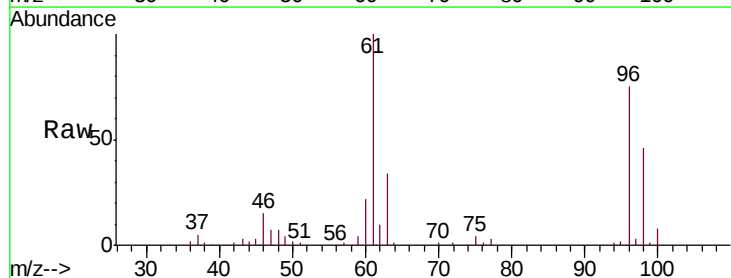
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

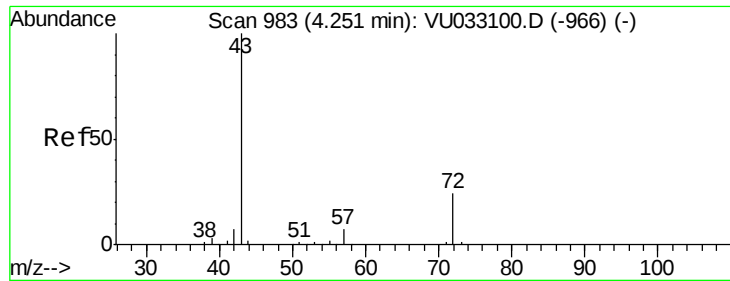
Tgt Ion: 63 Resp: 130203
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.0 41.0
 83 13.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 52.757 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

Tgt Ion: 96 Resp: 71893
 Ion Ratio Lower Upper
 96 100
 61 133.6 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.029 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

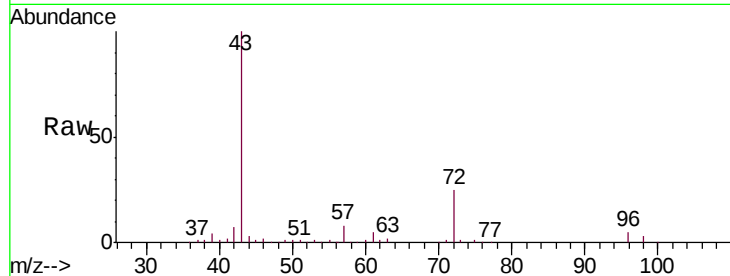
VSTD05045

Tgt Ion: 43 Resp: 152193

Ion Ratio Lower Upper

43 100

72 24.2 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033160.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VU033160.D (-890) (-)

4.25

60000

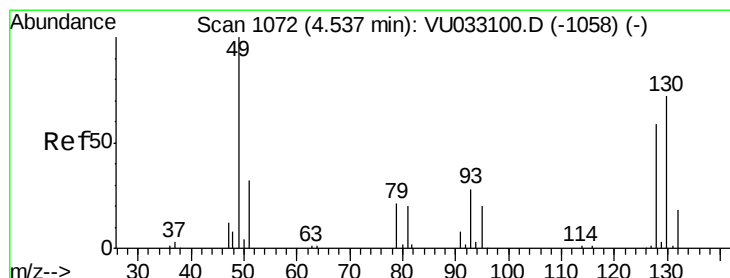
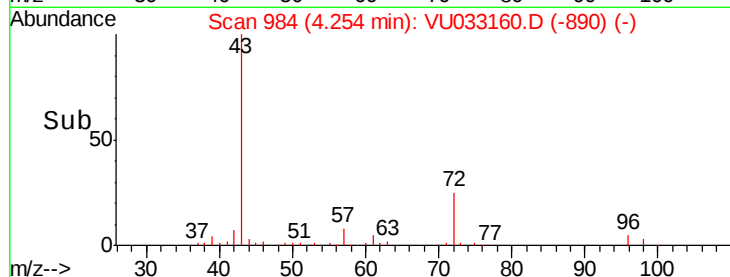
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 54.949 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Tgt Ion: 128 Resp: 39063

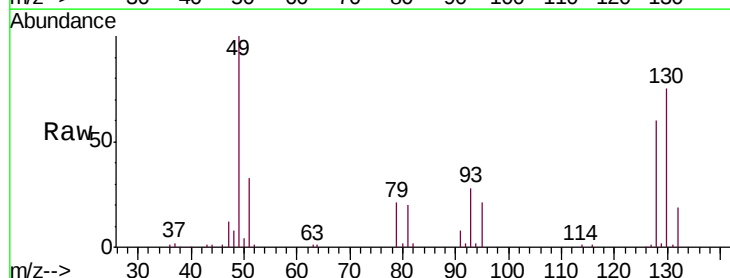
Ion Ratio Lower Upper

128 100

49 167.4 114.7 212.9

130 125.9 89.4 166.0

51 55.1 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU033160.D (-979) (-)

Ion 49.00 (48.70 to 49.70): VU033160.D (-979) (-)

Ion 130.00 (129.70 to 130.70): VU033160.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VU033160.D (-979) (-)

4.54

40000

30000

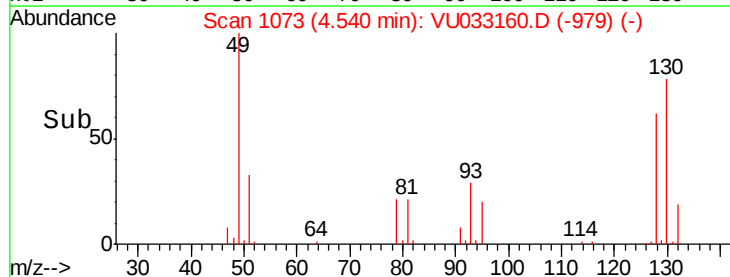
20000

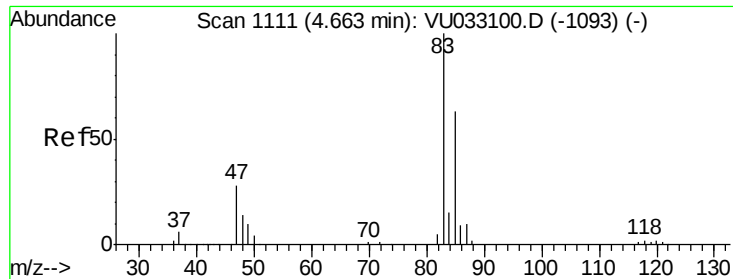
10000

0

4.45 4.50 4.55 4.60

Time-->

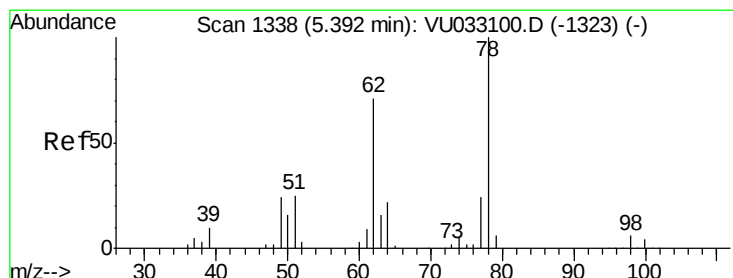
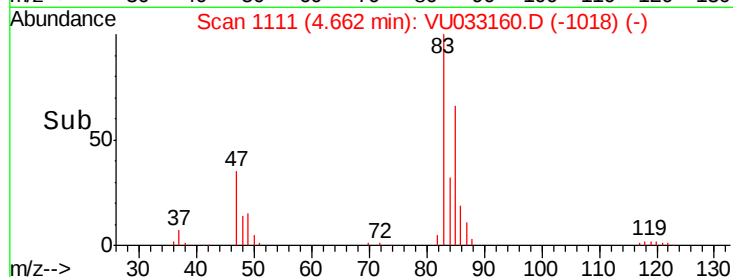
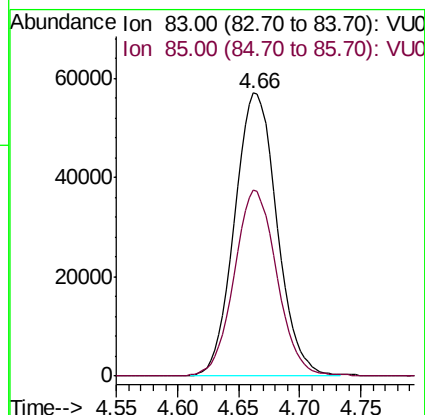
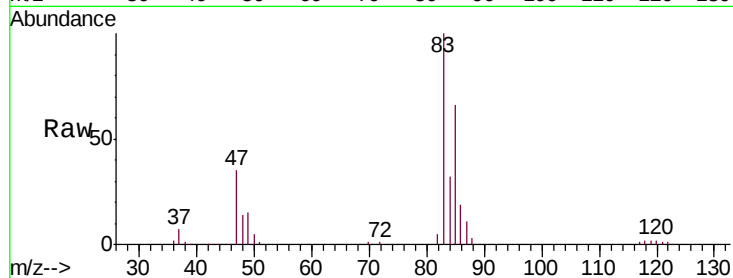




#25
Chloroform
Concen: 56.049 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

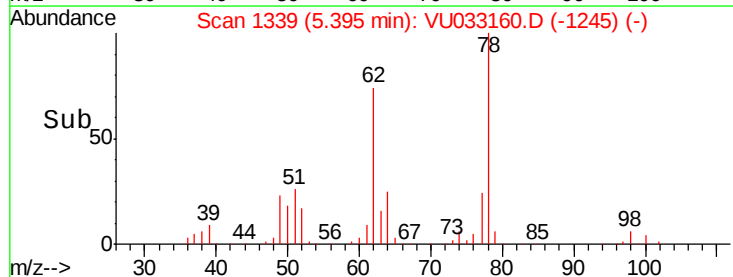
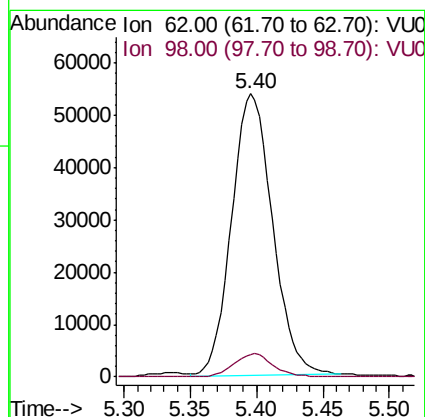
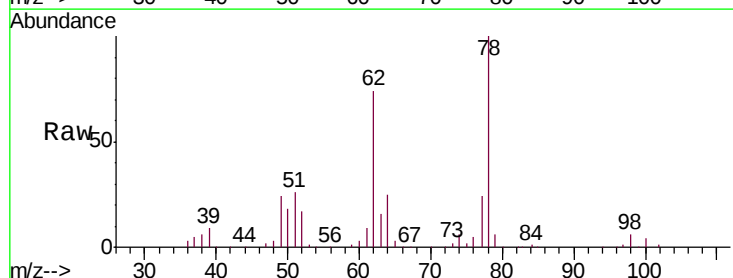
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

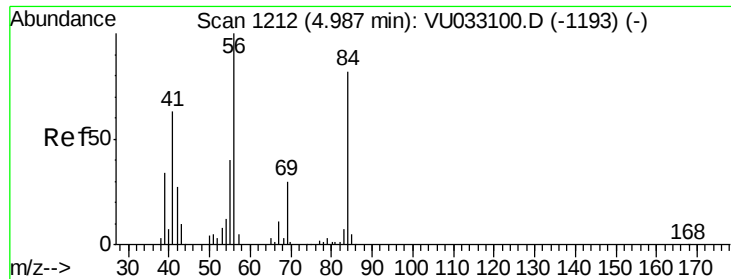
Tgt Ion: 83 Resp: 137842
Ion Ratio Lower Upper
83 100
85 65.7 44.2 82.2



#27
1,2-Dichloroethane
Concen: 57.061 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Tgt Ion: 62 Resp: 115282
Ion Ratio Lower Upper
62 100
98 8.0 6.6 10.0

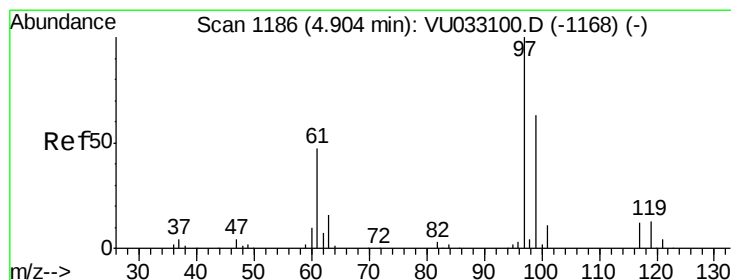
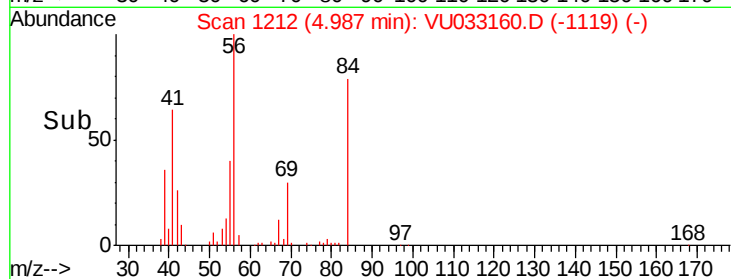
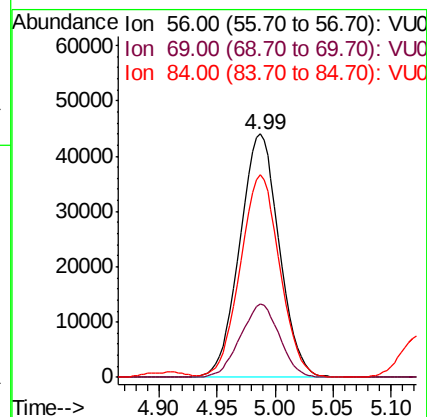
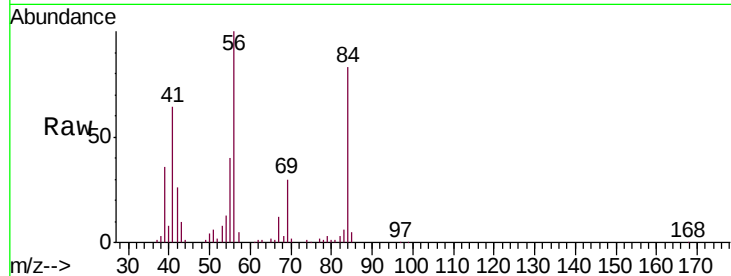




#29
Cyclohexane
Concen: 47.832 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

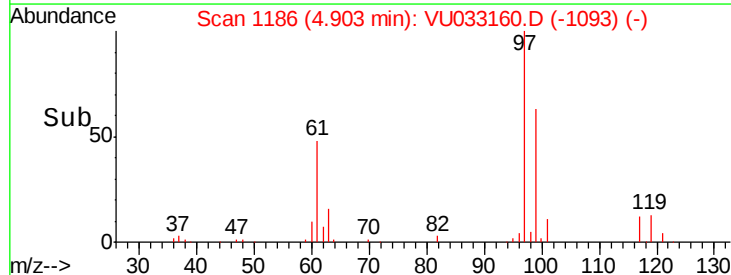
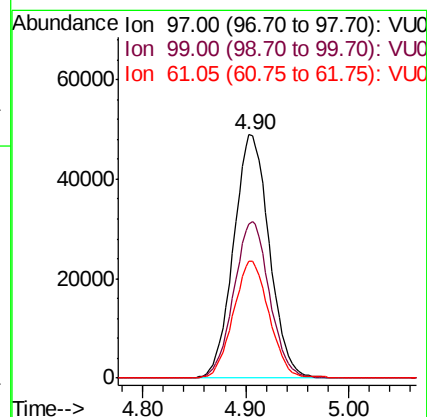
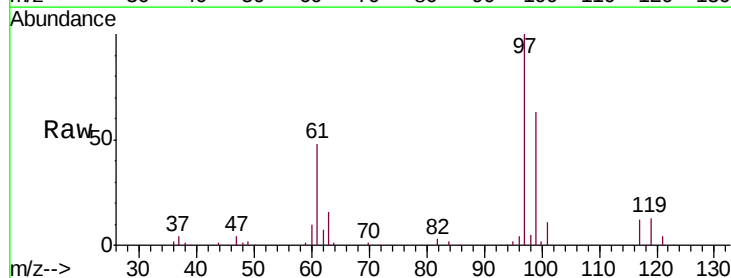
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

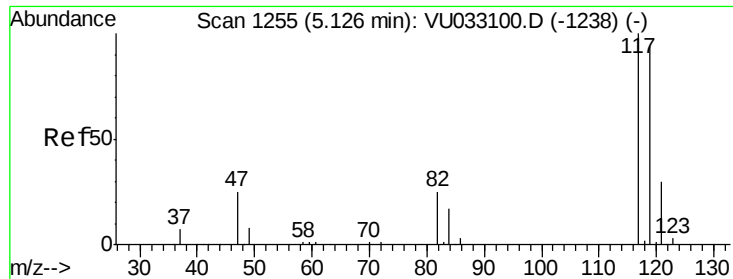
Tgt Ion: 56 Resp: 104092
Ion Ratio Lower Upper
56 100
69 29.6 24.2 36.4
84 83.4 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 52.028 ug/L
RT: 4.90 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Tgt Ion: 97 Resp: 118137
Ion Ratio Lower Upper
97 100
99 64.1 50.7 76.1
61 48.0 36.7 55.1





#31

Carbon tetrachloride

Concen: 51.947 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

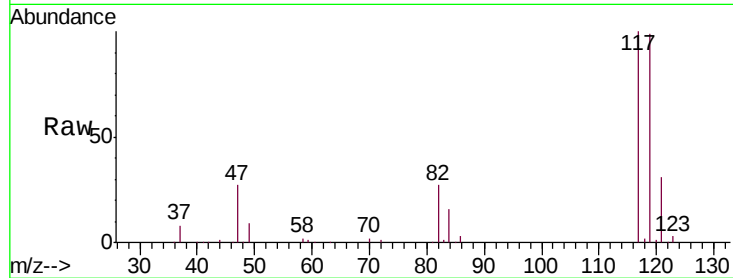
VSTD05045

Tgt Ion:117 Resp: 107324

Ion Ratio Lower Upper

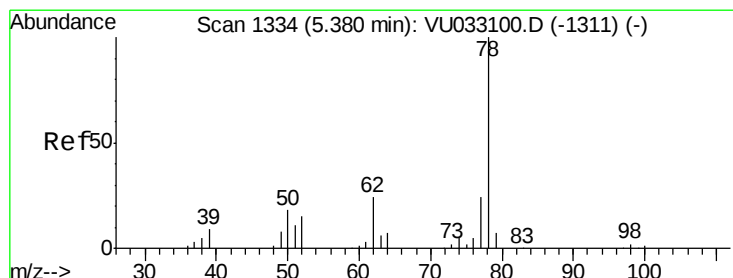
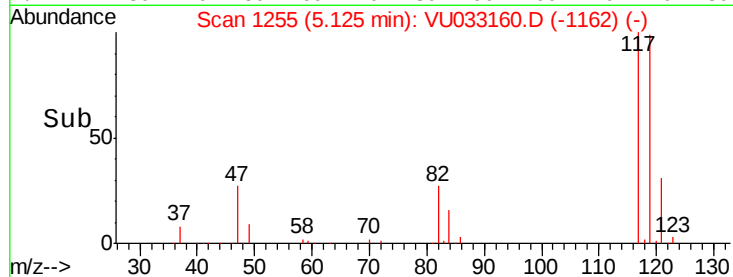
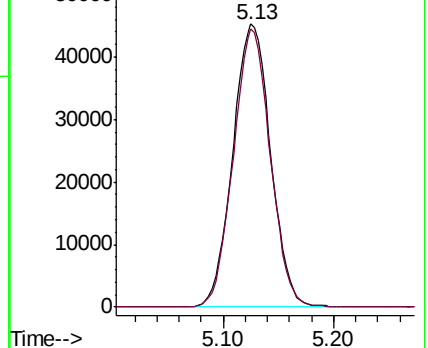
117 100

119 95.8 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: 51.924 ug/L

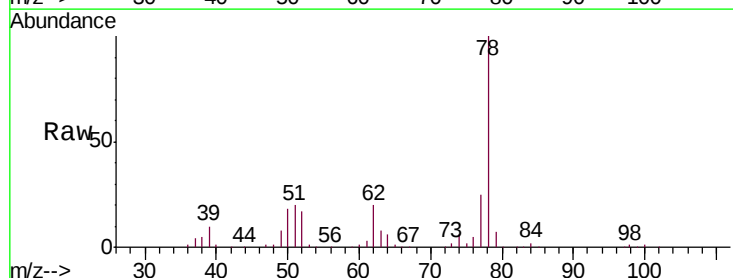
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

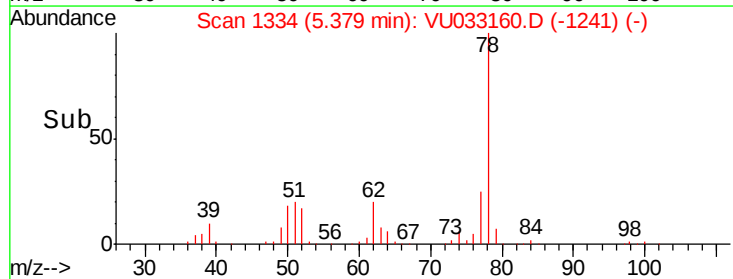
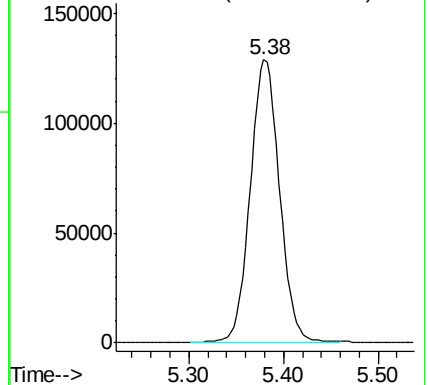
Lab File: VU033160.D

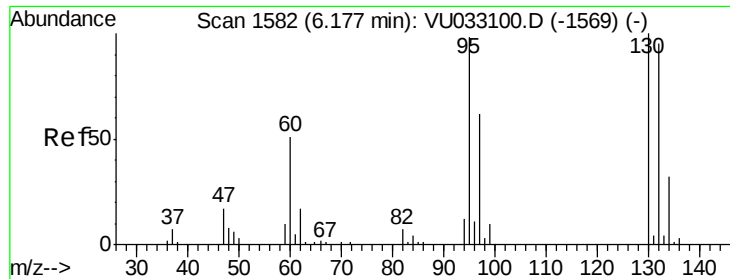
Acq: 03 Jul 2019 09:46

Tgt Ion: 78 Resp: 278778



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.850 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 95 Resp: 74379

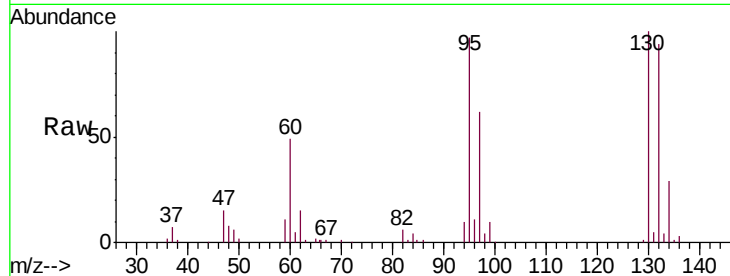
Ion Ratio Lower Upper

95 100

97 64.1 45.9 85.3

132 97.8 68.5 127.3

130 103.5 70.8 131.4

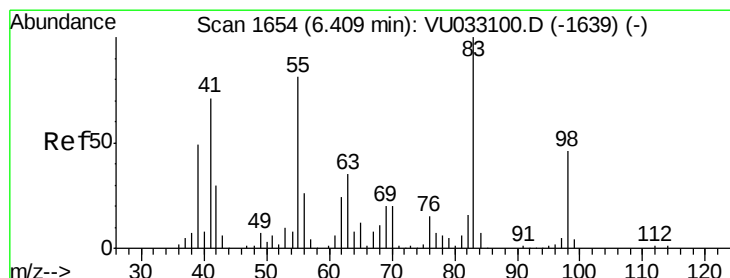
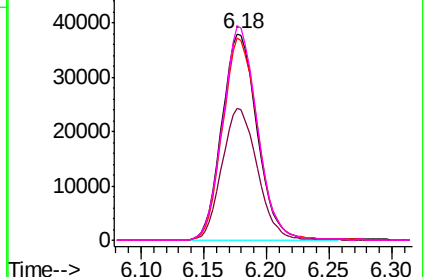
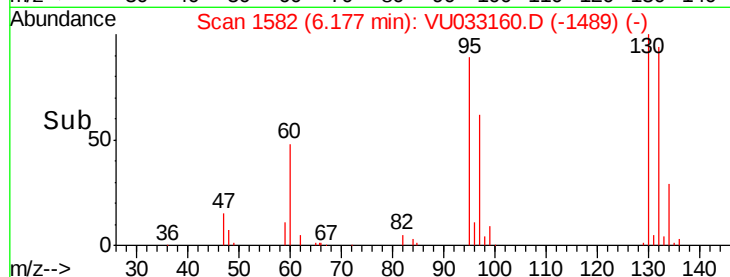


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.965 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

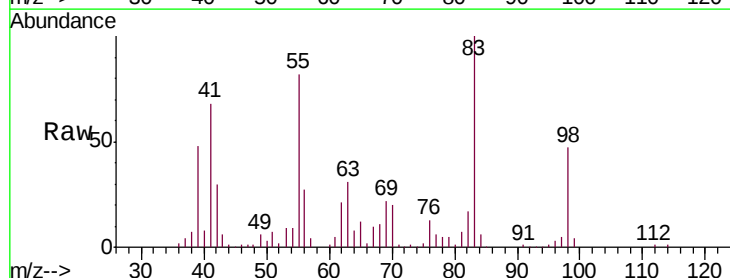
Tgt Ion: 83 Resp: 110790

Ion Ratio Lower Upper

83 100

55 81.0 62.6 94.0

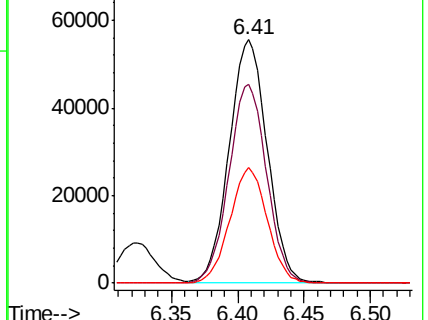
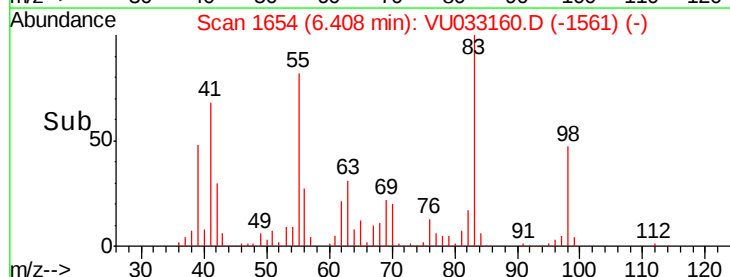
98 46.5 37.4 56.0

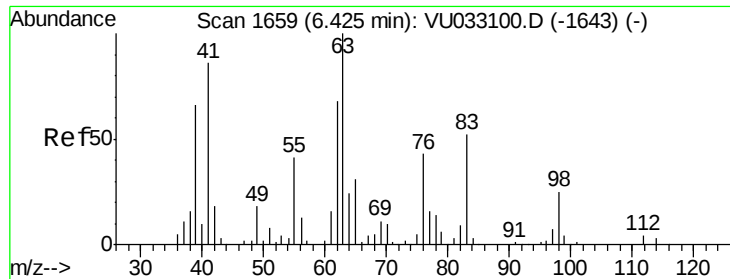


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.600 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

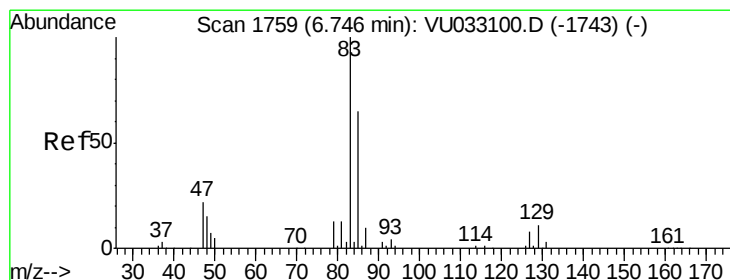
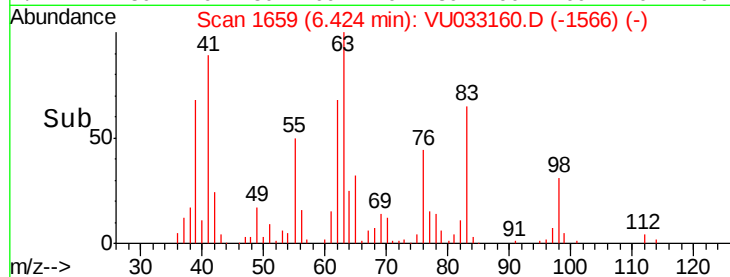
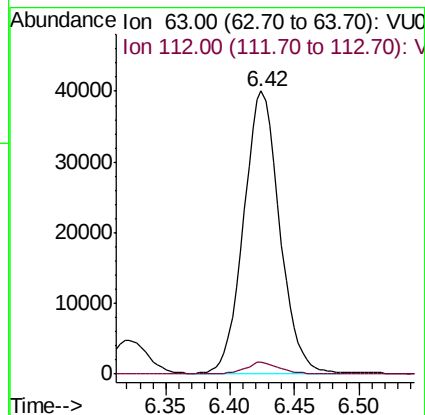
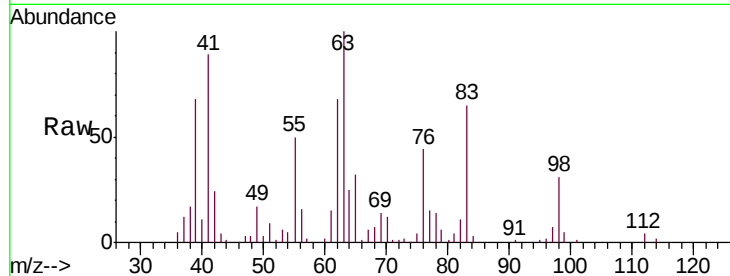
VSTD05045

Tgt Ion: 63 Resp: 77467

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.6



#38

Bromodichloromethane

Concen: 53.153 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

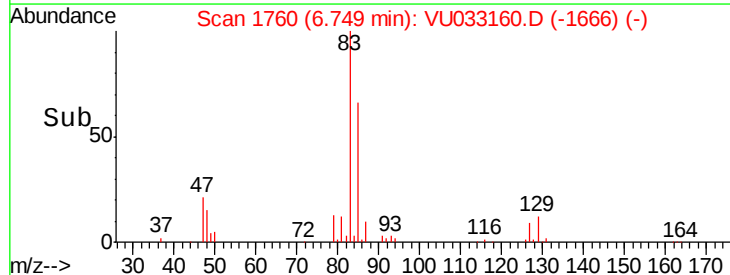
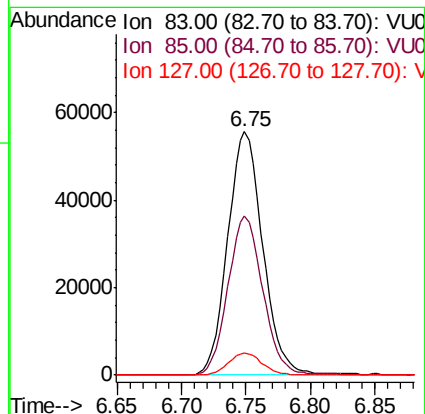
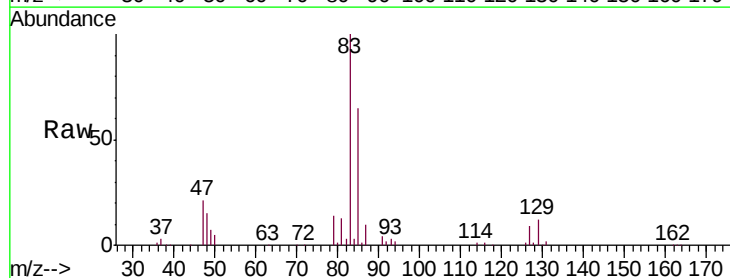
Tgt Ion: 83 Resp: 105261

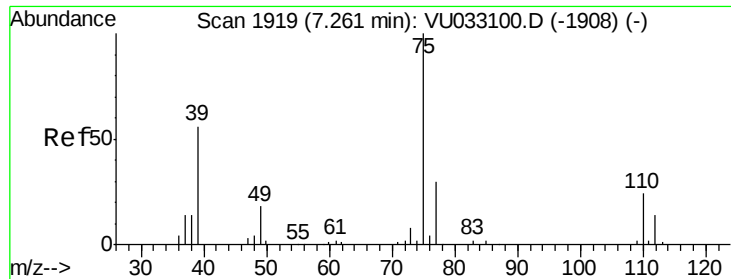
Ion Ratio Lower Upper

83 100

85 65.2 45.0 83.6

127 8.9 7.0 10.6

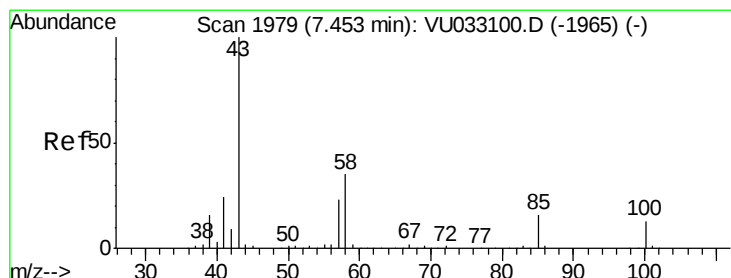
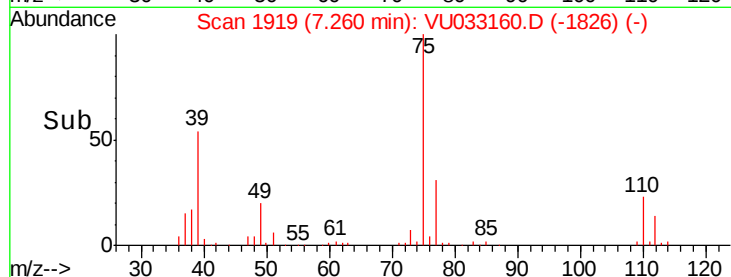
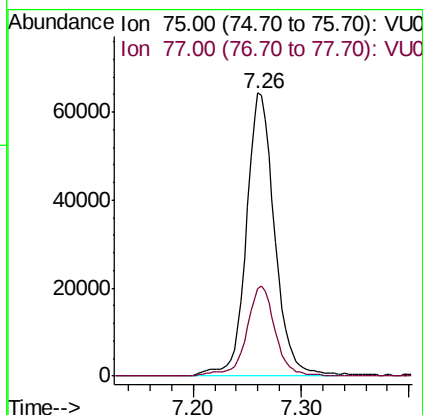
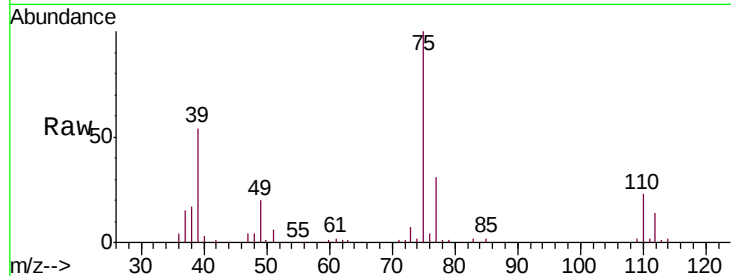




#39
 cis-1,3-Dichloropropene
 Concen: 51.169 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

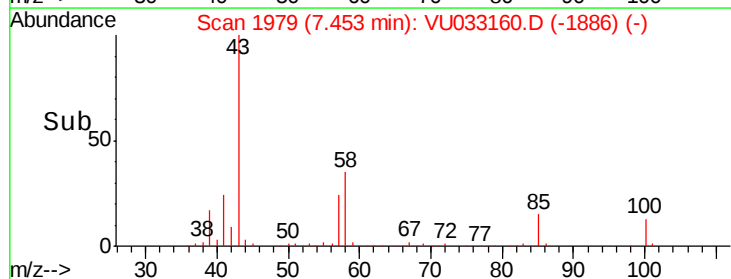
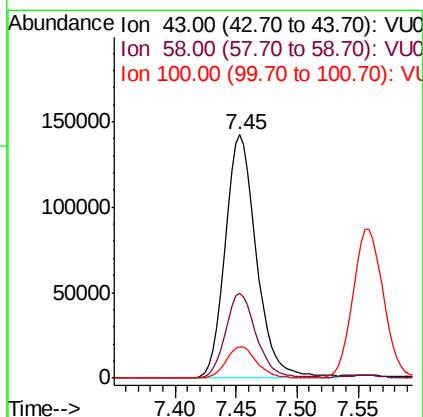
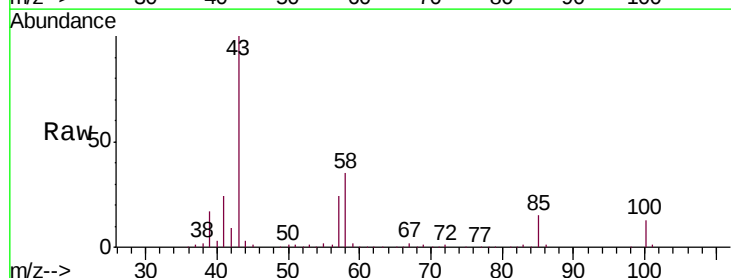
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

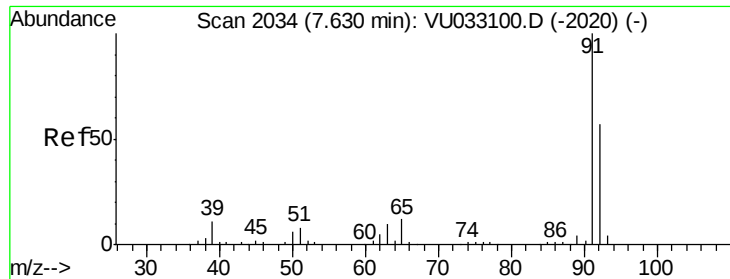
Tgt Ion: 75 Resp: 117406
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 108.686 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

Tgt Ion: 43 Resp: 255553
 Ion Ratio Lower Upper
 43 100
 58 34.5 29.4 44.2
 100 12.7 11.2 16.8





#42

Toluene

Concen: 52.555 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

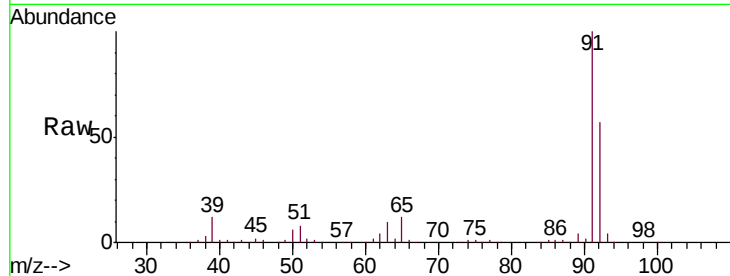
VSTD05045

Tgt Ion: 91 Resp: 305289

Ion Ratio Lower Upper

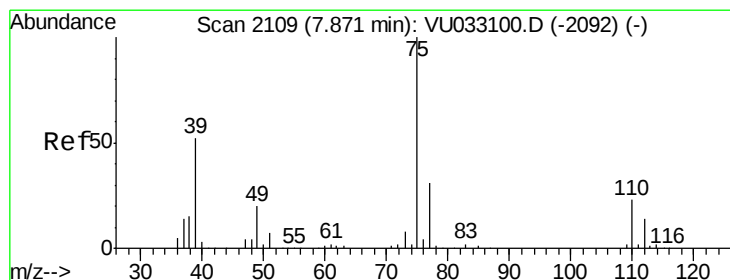
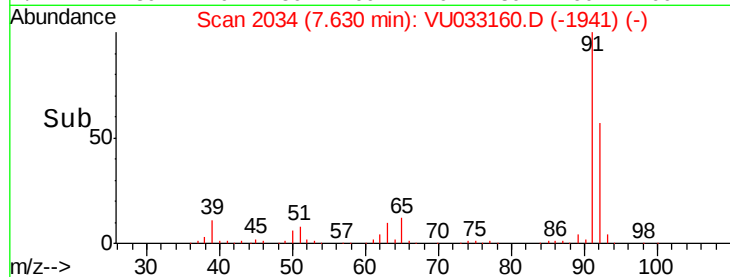
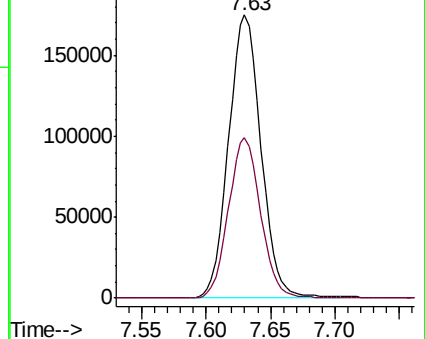
91 100

92 56.6 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU033160.D (-1941) (-)

Ion 92.00 (91.70 to 92.70): VU033160.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 51.767 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033160.D

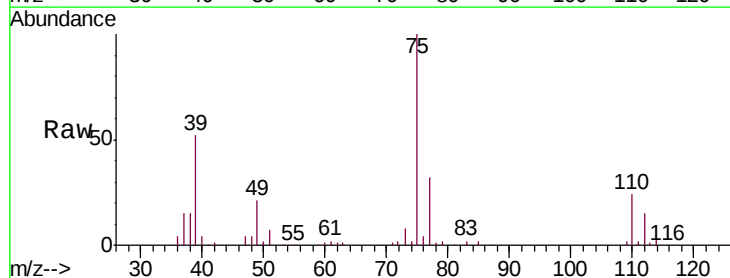
Acq: 03 Jul 2019 09:46

Tgt Ion: 75 Resp: 111563

Ion Ratio Lower Upper

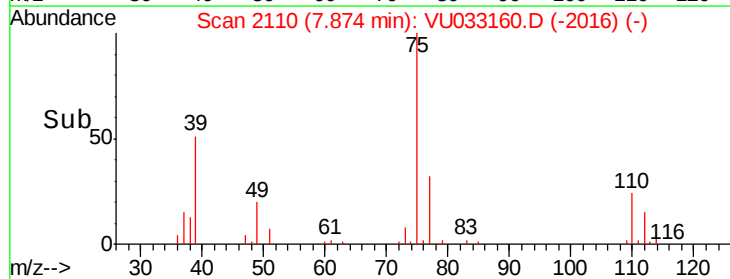
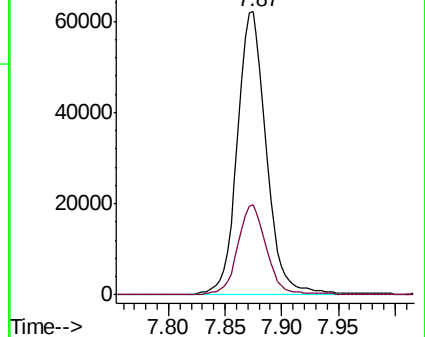
75 100

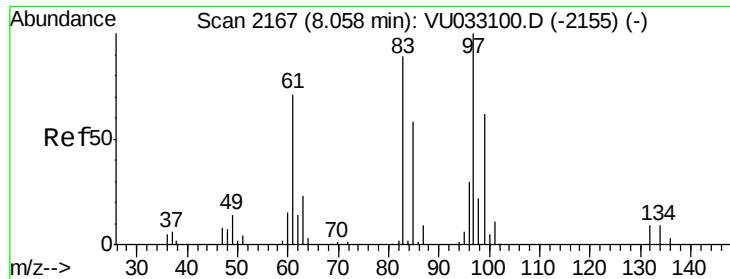
77 31.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU033160.D (-2016) (-)

Ion 77.00 (76.70 to 77.70): VU033160.D (-2016) (-)

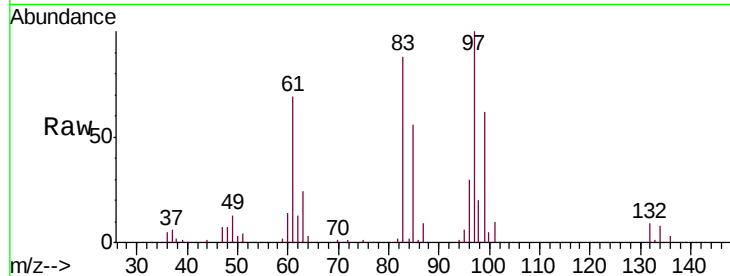




#45
 1,1,2-Trichloroethane
 Concen: 52.725 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:	97	Resp:	72274
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.1	80.1
83	87.9	61.4	114.0
85	55.8	39.2	72.8



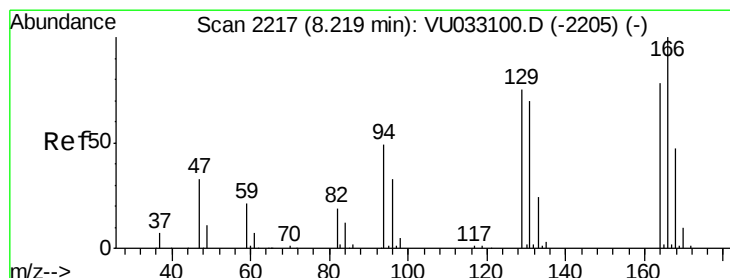
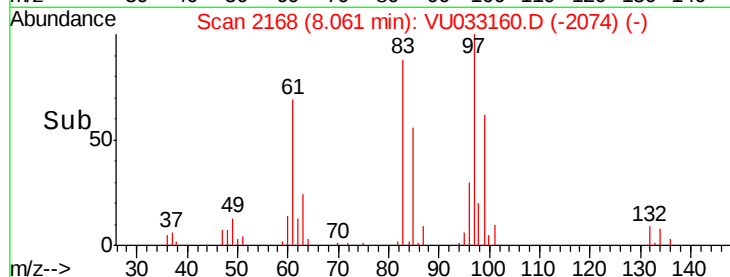
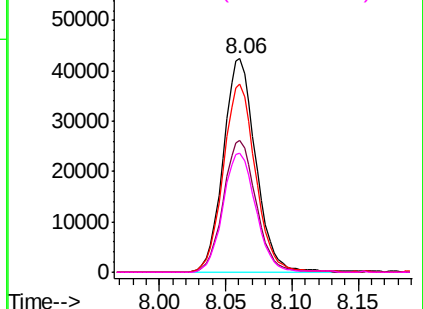
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

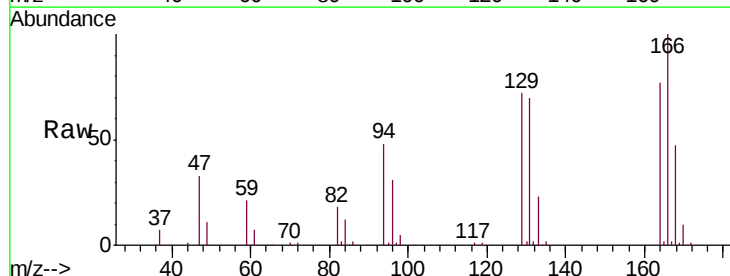
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 51.909 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

Tgt Ion:	164	Resp:	61017
Ion	Ratio	Lower	Upper
164	100		
129	93.5	64.8	120.3
131	90.1	64.5	119.7
166	129.2	91.3	169.6



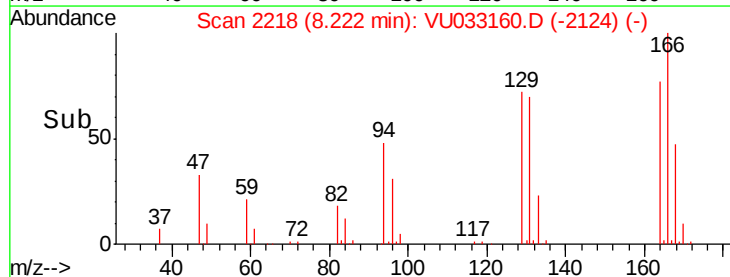
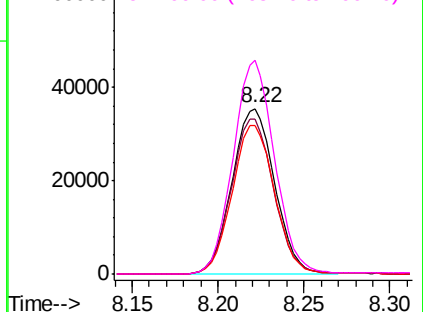
Abundance

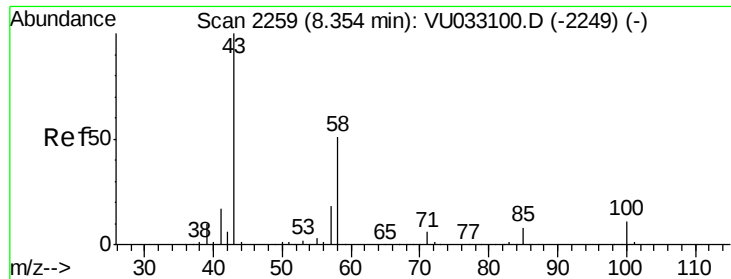
Ion 164.00 (163.70 to 164.70): V

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

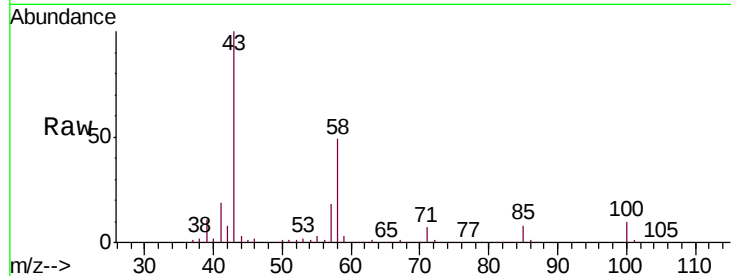




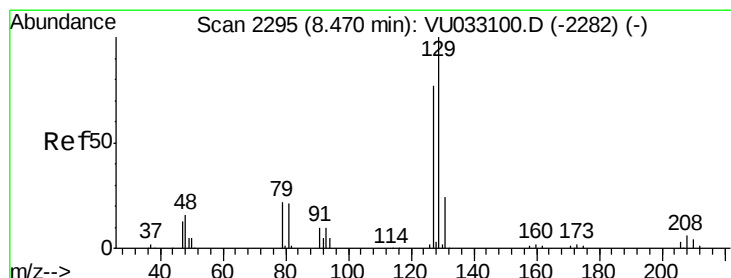
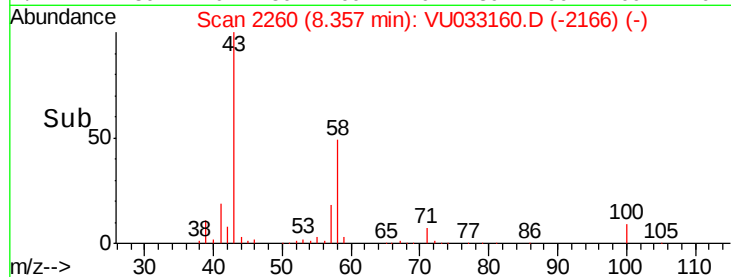
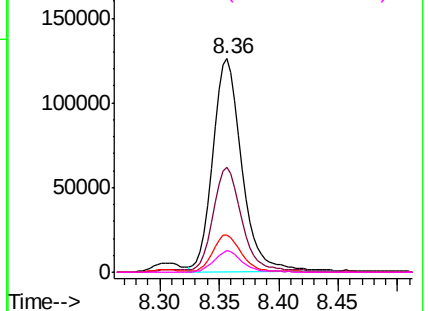
#48
2-Hexanone
Concen: 101.946 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Tgt Ion:	43	Resp:	211492
Ion	Ratio	Lower	Upper
43	100		
58	49.0	40.2	60.2
57	17.4	14.2	21.4
100	9.8	8.4	12.6

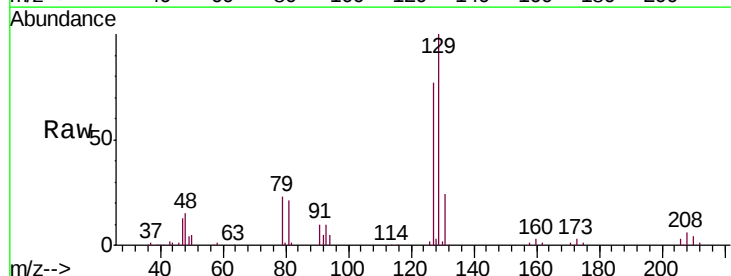


Abundance Ion 43.00 (42.70 to 43.70): VU033160.D (-2166) (-)
Ion 58.00 (57.70 to 58.70): VU033160.D (-2166) (-)
Ion 57.00 (56.70 to 57.70): VU033160.D (-2166) (-)
Ion 100.00 (99.70 to 100.70): VU033160.D (-2166) (-)

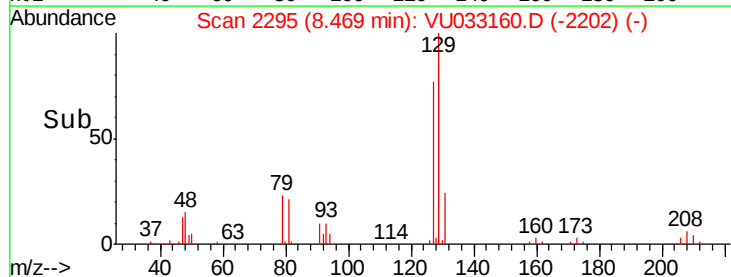
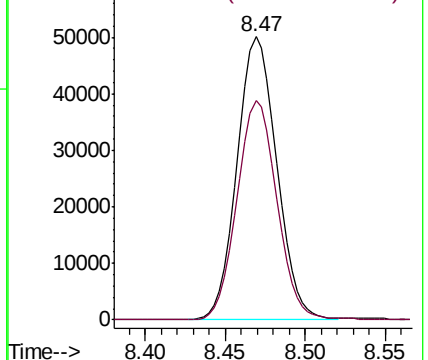


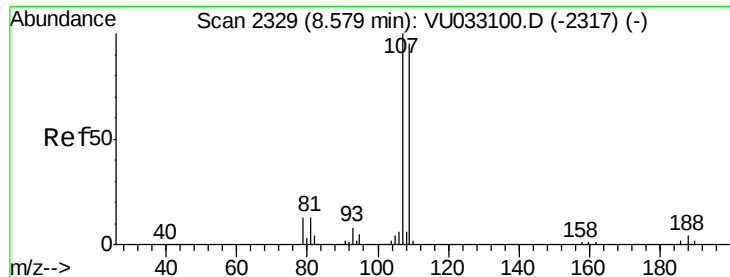
#49
Dibromochloromethane
Concen: 51.400 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Tgt Ion:	129	Resp:	84940
Ion	Ratio	Lower	Upper
129	100		
127	77.4	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): VU033160.D (-2202) (-)
Ion 127.00 (126.70 to 127.70): VU033160.D (-2202) (-)

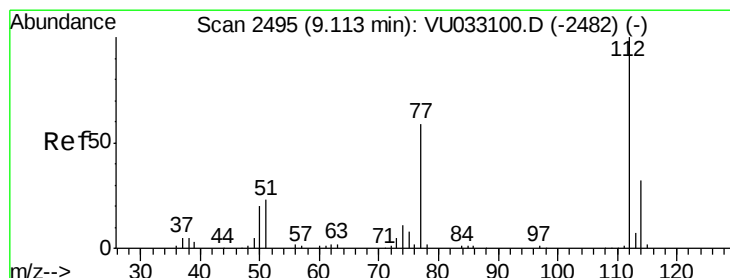
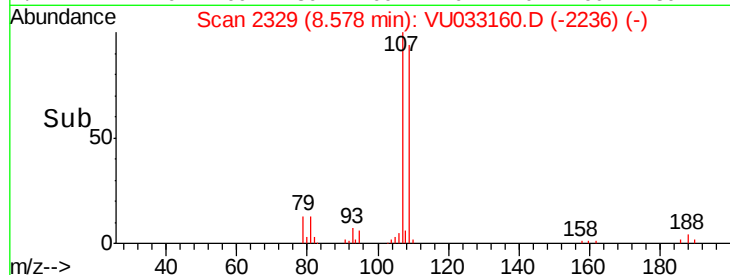
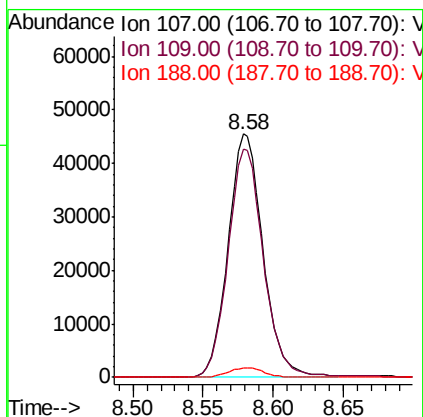
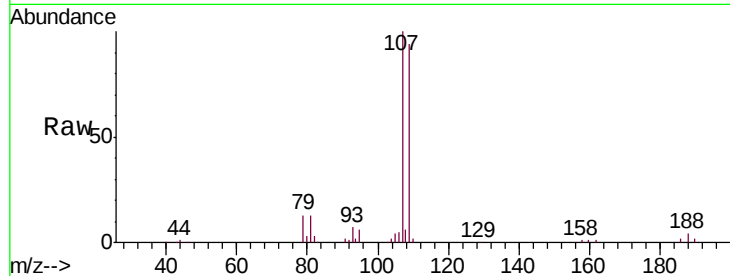




#50
1,2-Dibromoethane
Concen: 51.810 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

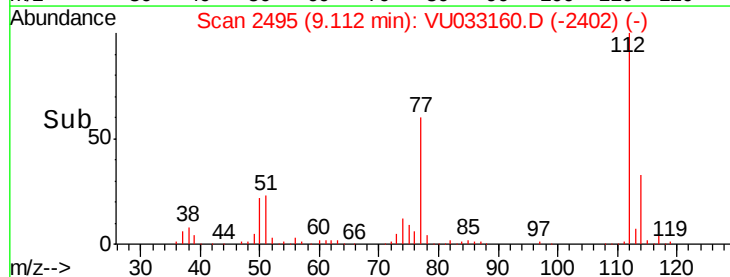
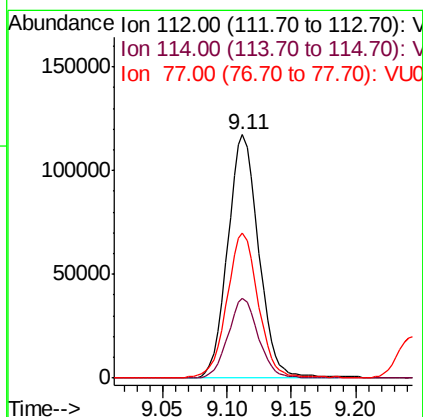
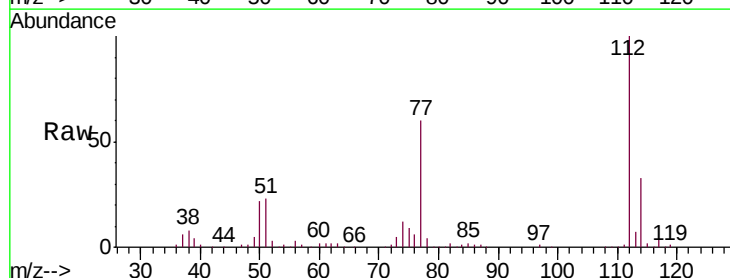
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

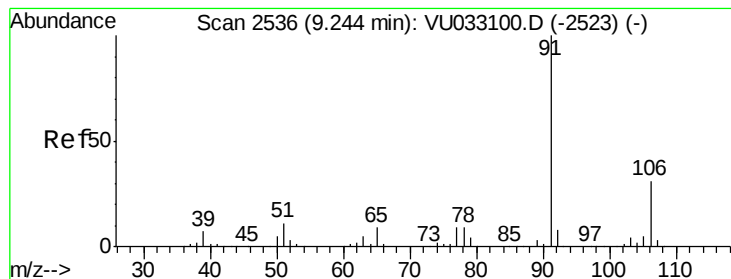
Tgt Ion:107 Resp: 78872
Ion Ratio Lower Upper
107 100
109 93.8 65.4 121.4
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 51.247 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Tgt Ion:112 Resp: 195895
Ion Ratio Lower Upper
112 100
114 32.8 22.8 42.4
77 59.6 46.3 69.5





#52

Ethylbenzene

Concen: 51.042 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

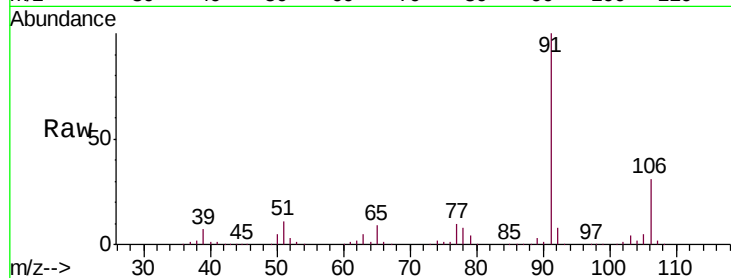
VSTD05045

Tgt Ion: 91 Resp: 328195

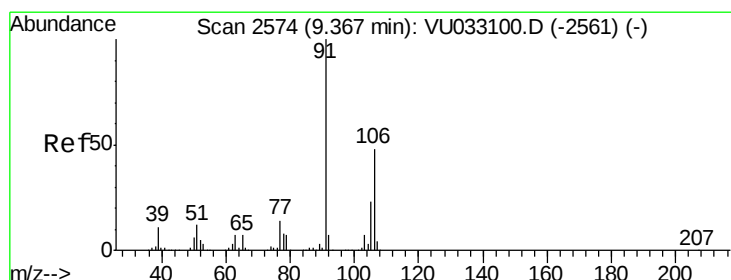
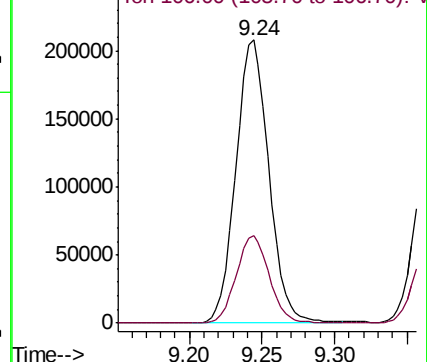
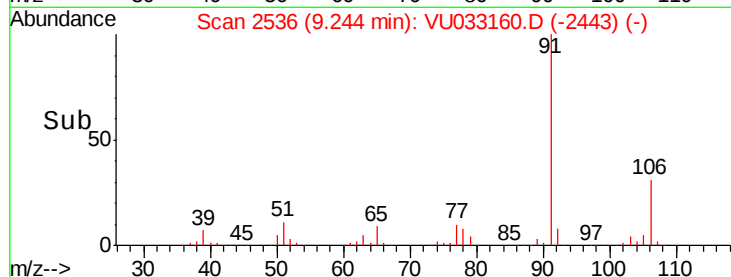
Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VU033160.D (-2443) (-)



#53

m,p-Xylene

Concen: 51.648 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033160.D

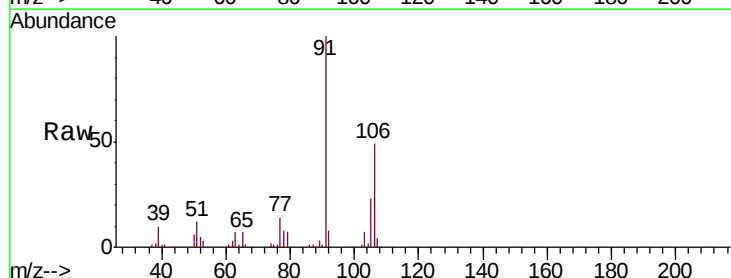
Acq: 03 Jul 2019 09:46

Tgt Ion: 106 Resp: 125298

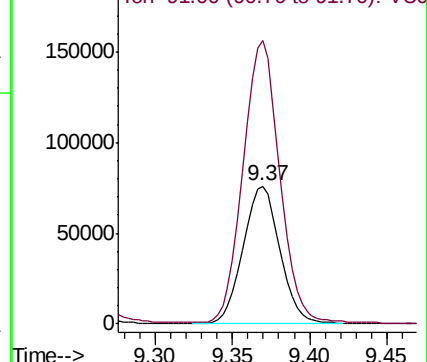
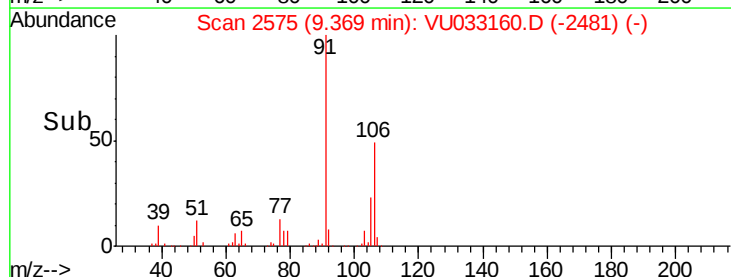
Ion Ratio Lower Upper

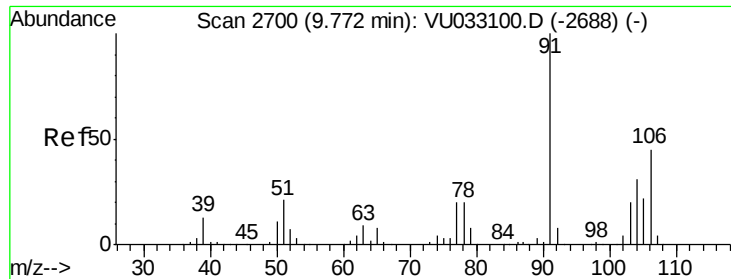
106 100

91 205.5 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU033160.D (-2481) (-)





#54

o-xylene

Concen: 50.935 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

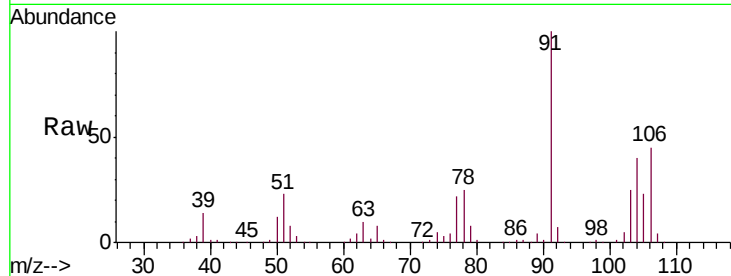
VSTD05045

Tgt Ion:106 Resp: 120671

Ion Ratio Lower Upper

106 100

91 224.7 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

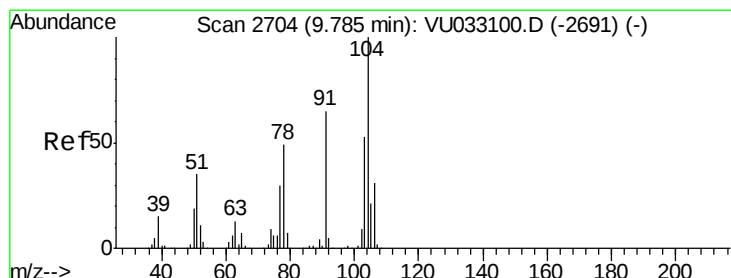
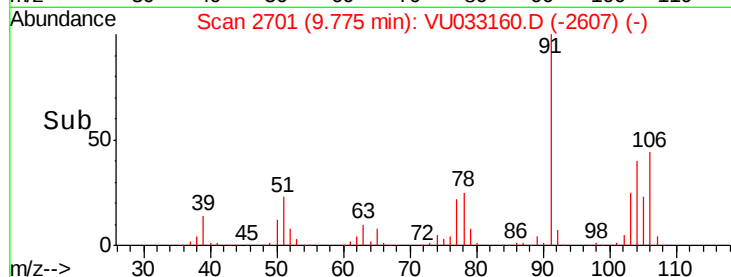
100000

50000

0

9.70 9.75 9.80 9.85 9.90

Time-->



#55

Styrene

Concen: 51.245 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU033160.D

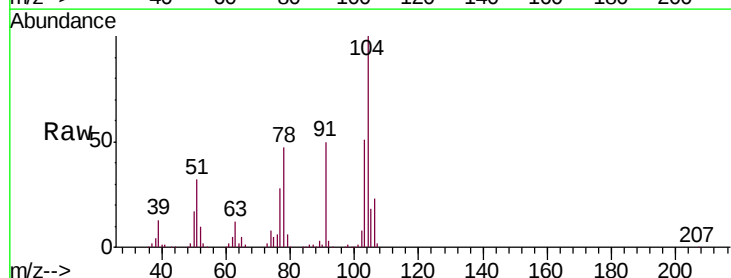
Acq: 03 Jul 2019 09:46

Tgt Ion:104 Resp: 210619

Ion Ratio Lower Upper

104 100

78 47.4 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

150000

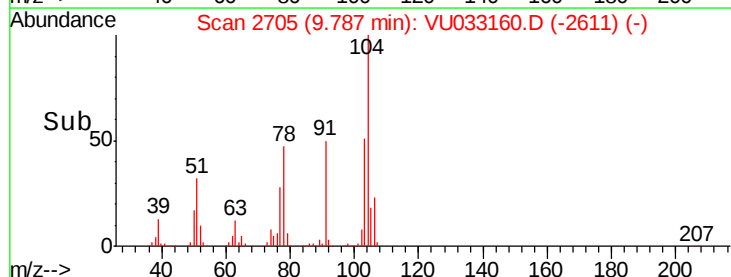
100000

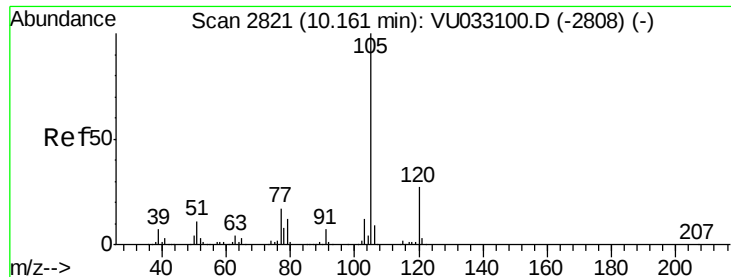
50000

0

9.70 9.75 9.80 9.85 9.90

Time-->

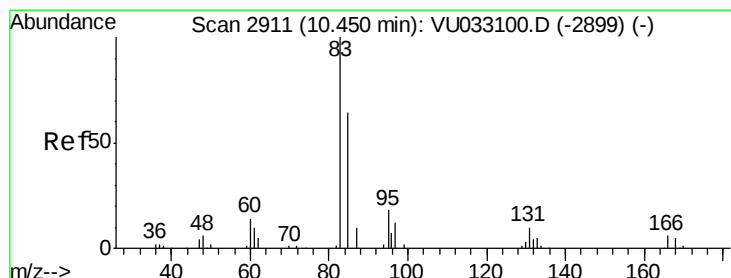
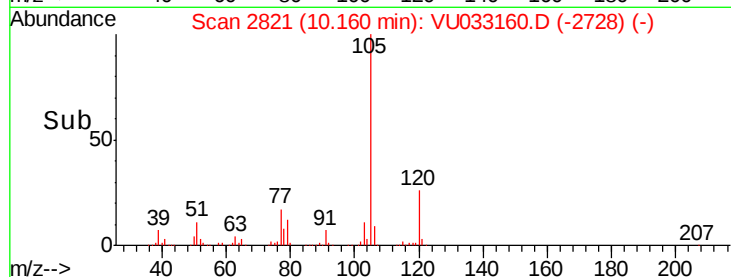
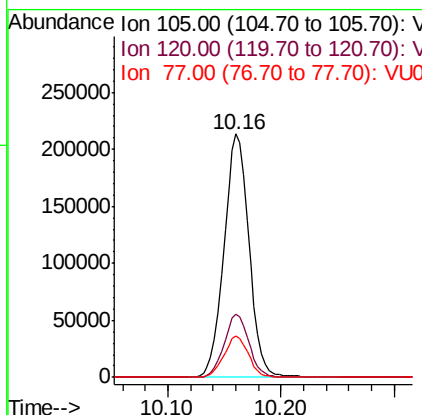
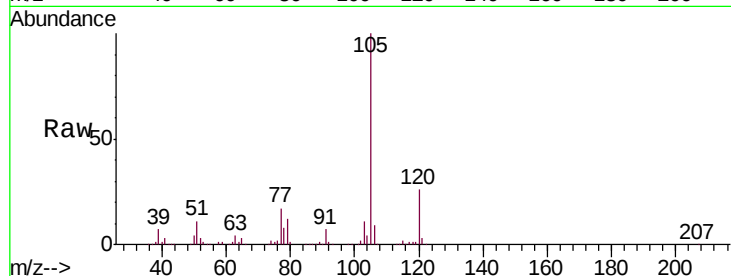




#56
Isopropylbenzene
Concen: 51.260 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

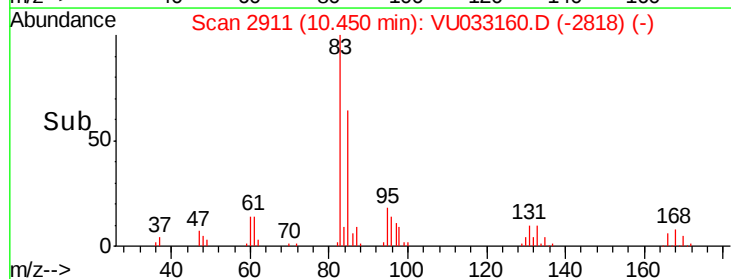
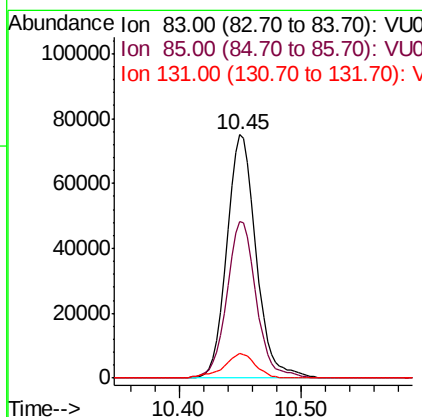
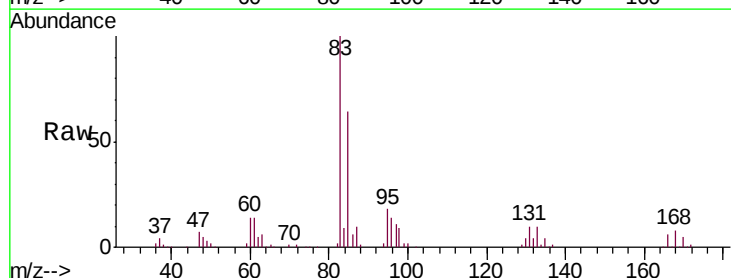
Instrument :
MSVOA_U
ClientSampled :
VSTD05045

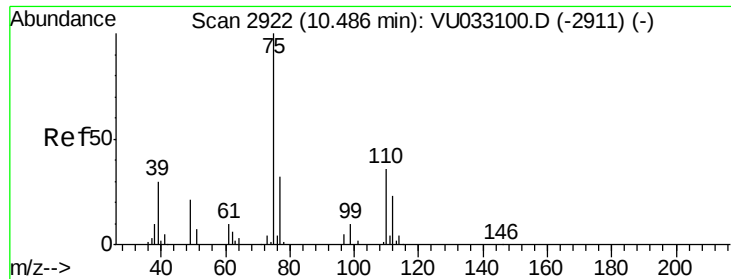
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.4	32.0
77	16.7	13.0	19.4



#58
1,1,2,2-Tetrachloroethane
Concen: 50.807 ug/L
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU033160.D
Acq: 03 Jul 2019 09:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	45.8	85.2
131	10.0	7.8	11.8





#59

1,2,3-Trichloropropane

Concen: 52.930 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

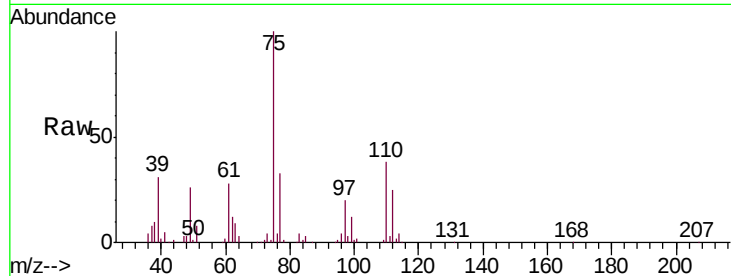
VSTD05045

Tgt Ion: 75 Resp: 104029

Ion Ratio Lower Upper

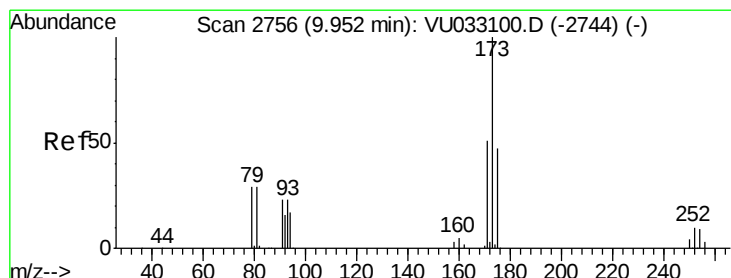
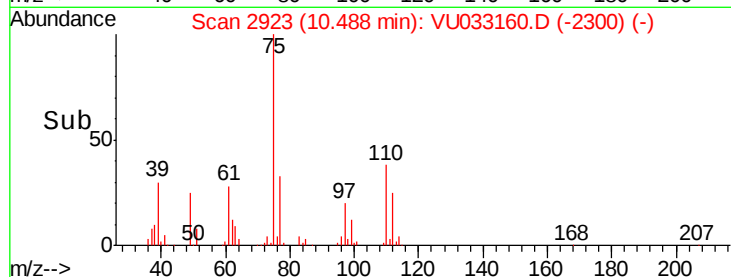
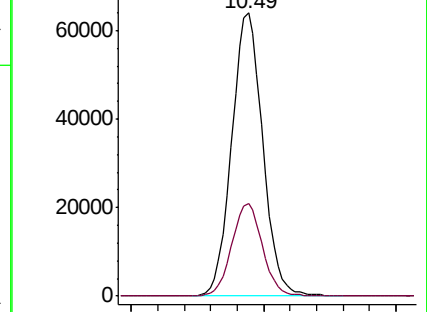
75 100

77 32.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU033160.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU033160.D (-2911) (-)



#61

Bromoform

Concen: 51.523 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

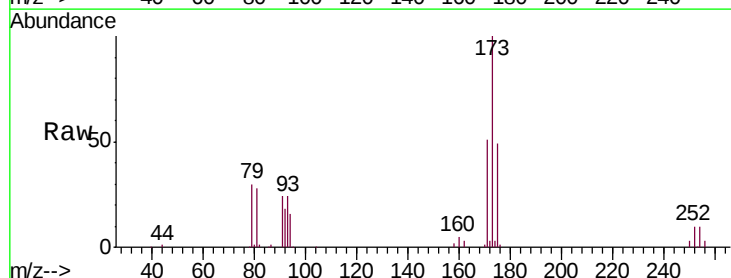
Tgt Ion: 173 Resp: 65059

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

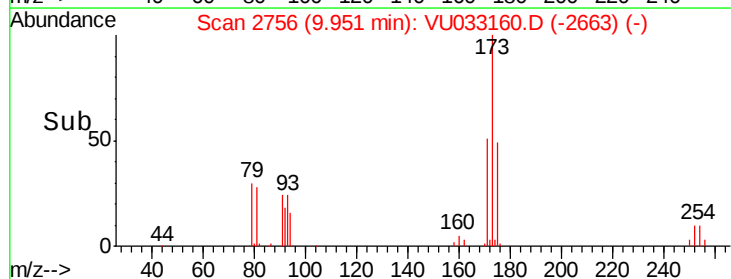
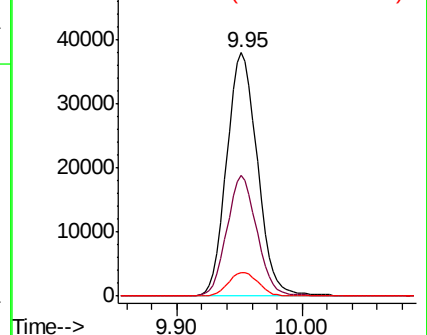
254 9.5 7.5 11.3

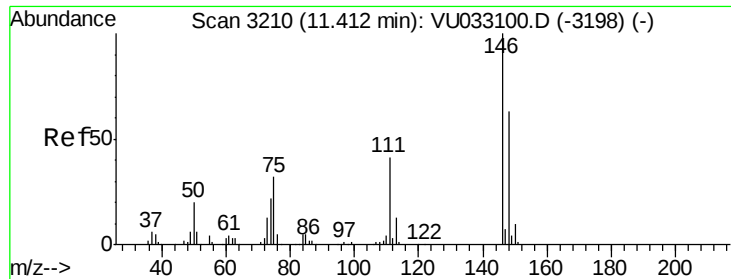


Abundance Ion 173.00 (172.70 to 173.70): VU033160.D (-2744) (-)

Ion 175.00 (174.70 to 175.70): VU033160.D (-2744) (-)

Ion 254.00 (253.70 to 254.70): VU033160.D (-2744) (-)





#62

1,3-Dichlorobenzene

Concen: 50.407 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

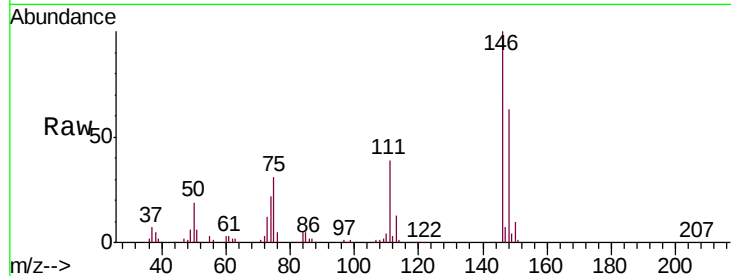
Tgt Ion:146 Resp: 151516

Ion Ratio Lower Upper

146 100

111 38.7 28.4 52.8

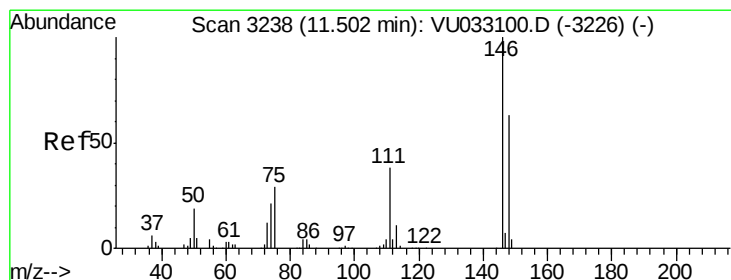
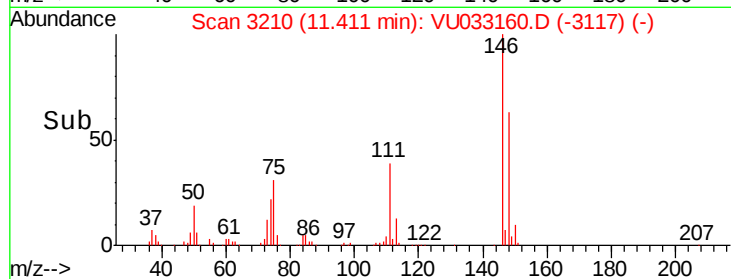
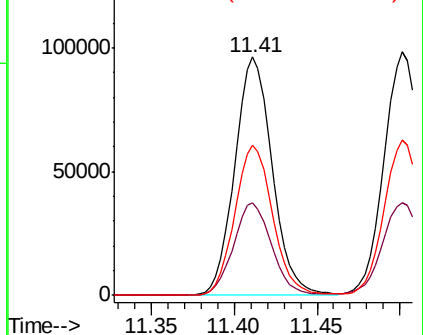
148 62.9 45.5 84.5



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: 51.070 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

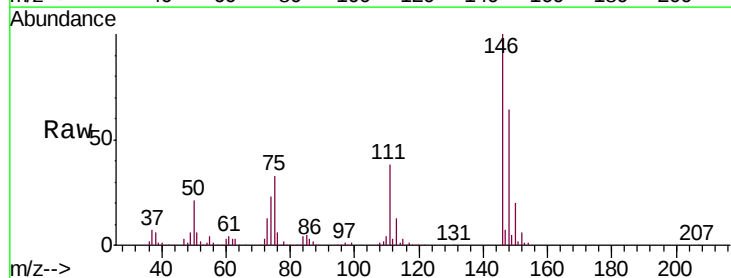
Tgt Ion:146 Resp: 158553

Ion Ratio Lower Upper

146 100

111 38.2 26.9 50.1

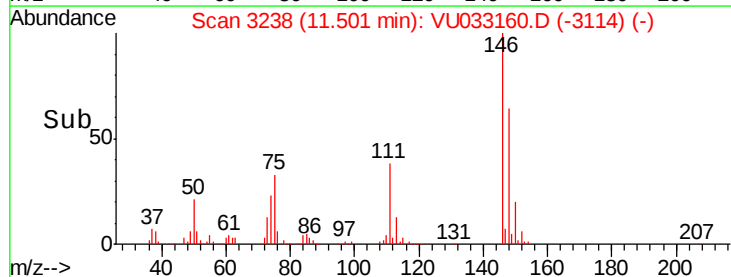
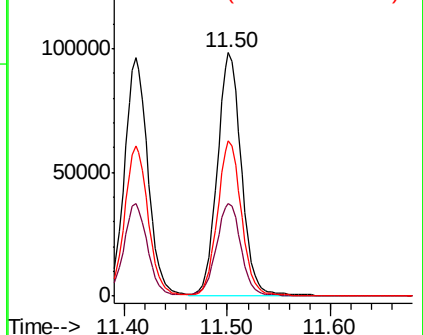
148 63.7 44.7 83.1

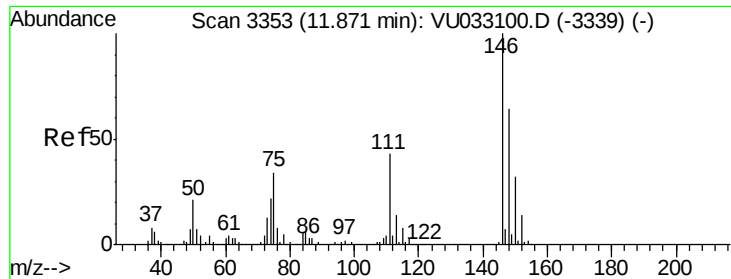


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

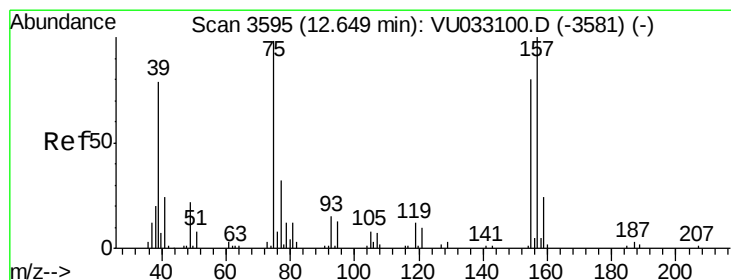
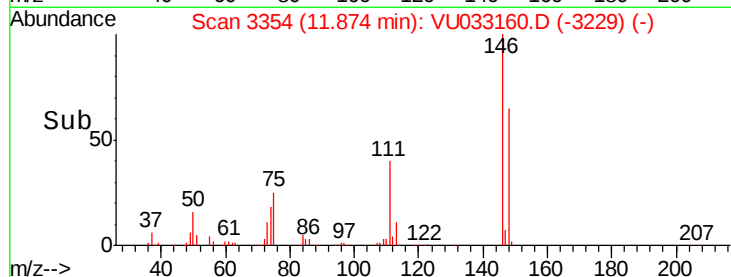
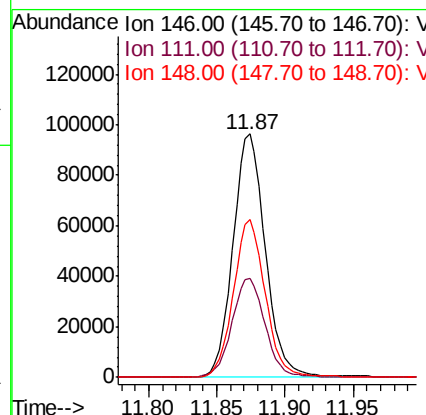
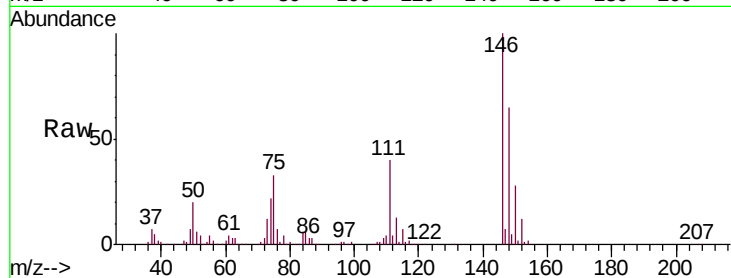




#65
 1,2-Dichlorobenzene
 Concen: 51.541 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

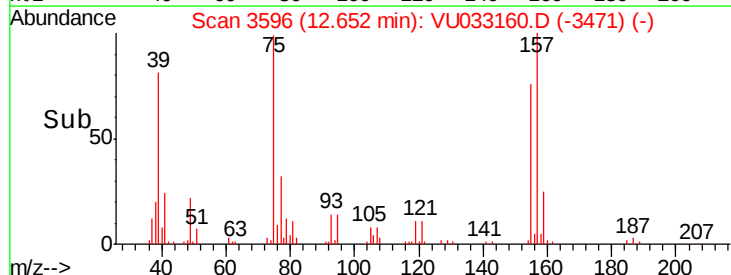
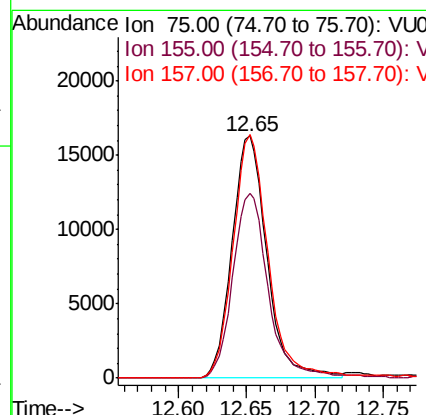
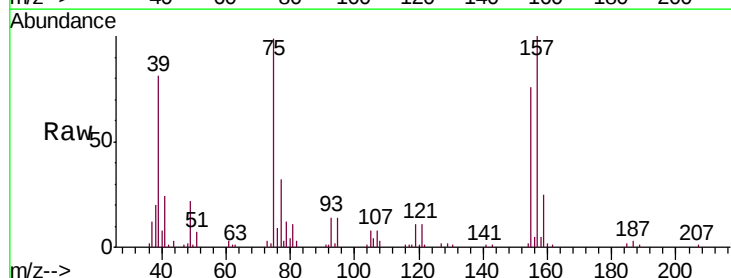
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

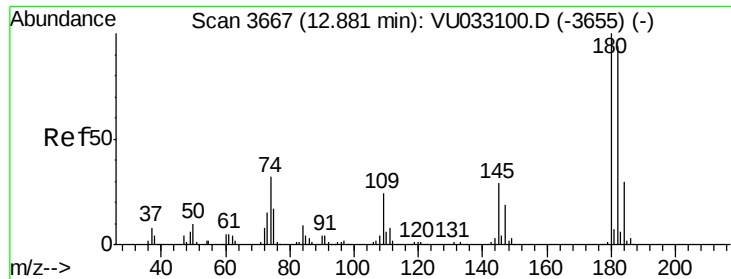
Tgt Ion: 146 Resp: 158187
 Ion Ratio Lower Upper
 146 100
 111 40.4 34.1 51.1
 148 64.7 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.536 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

Tgt Ion: 75 Resp: 29005
 Ion Ratio Lower Upper
 75 100
 155 76.3 67.4 101.2
 157 100.5 85.5 128.3

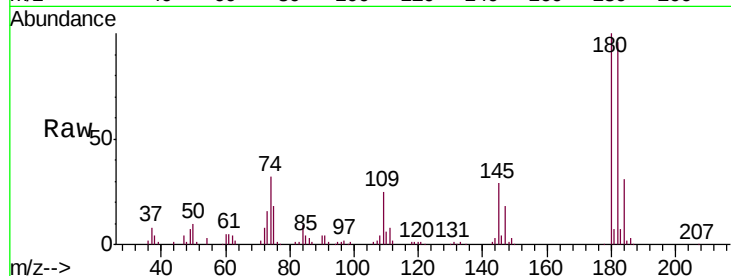




#67
 1,3,5-Trichlorobenzene
 Concen: 48.868 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	78.3	117.5
184	29.8	24.8	37.2
145	29.1	23.4	35.2



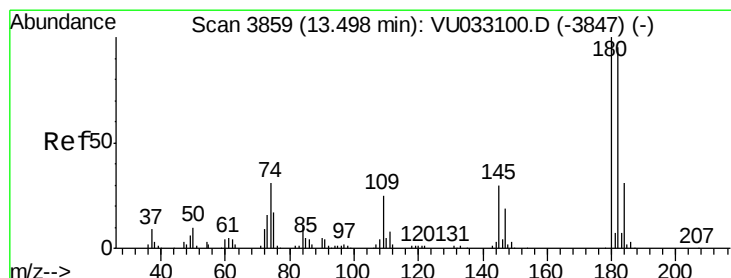
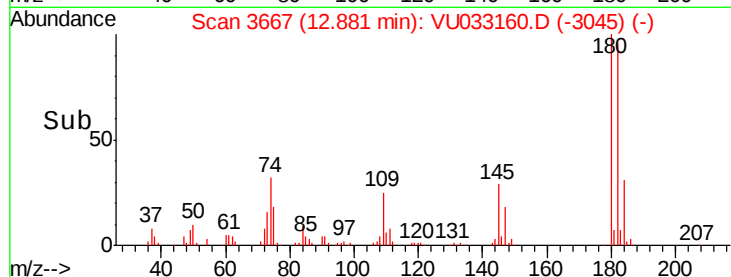
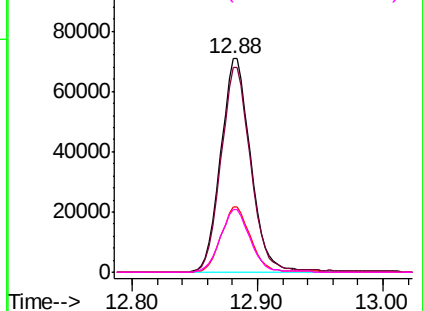
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

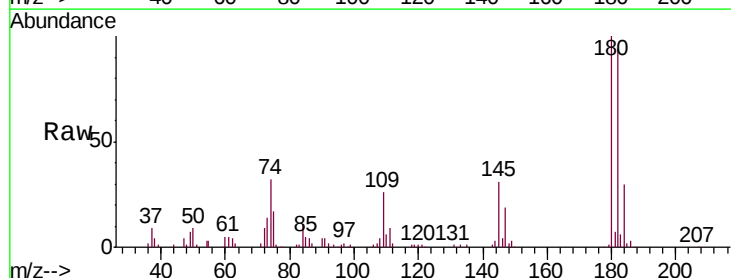
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 42.212 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU033160.D
 Acq: 03 Jul 2019 09:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.2	114.4
145	30.0	23.8	35.8

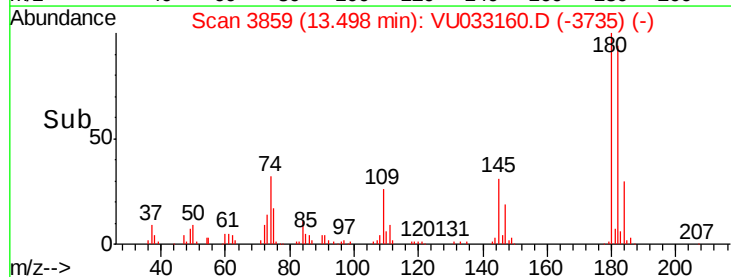
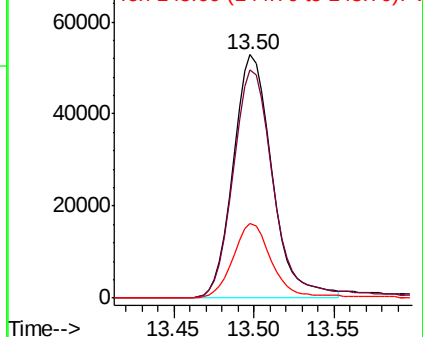


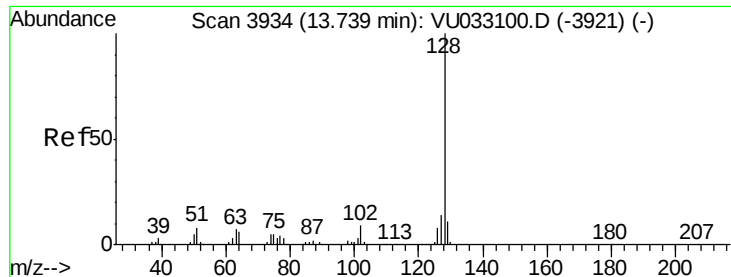
Abundance

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: 37.604 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

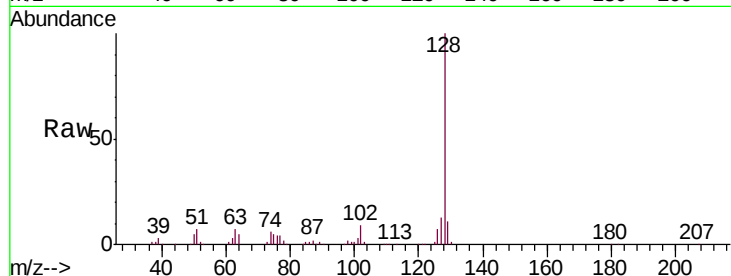
Tgt Ion:128 Resp: 240275

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

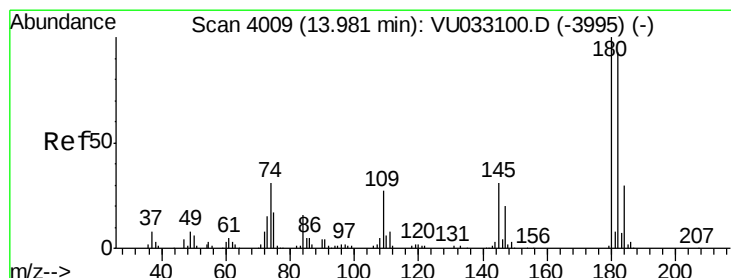
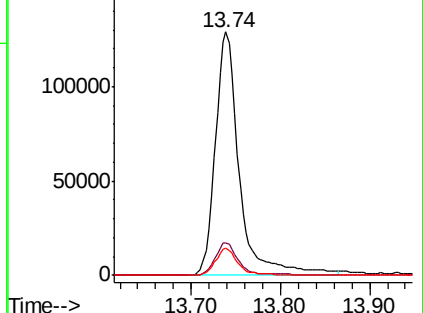
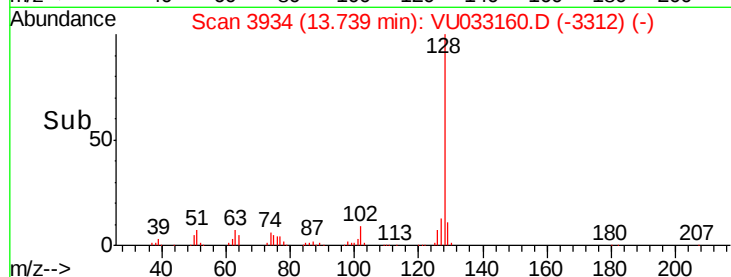
129 10.5 8.6 13.0



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: 44.662 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033160.D

Acq: 03 Jul 2019 09:46

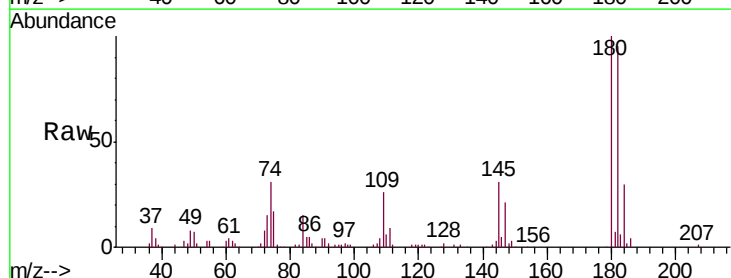
Tgt Ion:180 Resp: 98257

Ion Ratio Lower Upper

180 100

182 94.4 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

