

Data File : VU033503.D
Acq On : 30 Jul 2019 19:34
Operator : JC/SP
Sample : MDL03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Jul 31 08:09:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	335040	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	333257	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	165120	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	103457	42.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.94%
7) Chloroethane-d5	1.67	69	89419	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.56%
11) 1,1-Dichloroethene-d2	2.26	63	144126	32.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.20%
21) 2-Butanone-d5	4.15	46	150580	93.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.33%
24) Chloroform-d	4.62	84	179709	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.02%
26) 1,2-Dichloroethane-d4	5.28	65	118077	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
32) Benzene-d6	5.32	84	374040	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.56%
36) 1,2-Dichloropropane-d6	6.31	67	117891	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.04%
41) Toluene-d8	7.55	98	337103	43.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.08%
43) trans-1,3-Dichloropropene-	7.83	79	55940	43.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.10%
47) 2-Hexanone-d5	8.29	63	111555	90.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	174420	43.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	136814	45.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7645	2.420 ug/L	100
3) Chloromethane	1.32	50	8679	2.727 ug/L	96
5) Vinyl chloride	1.39	62	8747	2.564 ug/L #	65
6) Bromomethane	1.62	94	5574	1.852 ug/L	93
8) Chloroethane	1.69	64	5465	2.636 ug/L	90
9) Trichlorofluoromethane	1.87	101	11331	2.539 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6804	3.007 ug/L #	82
12) 1,1-Dichloroethene	2.27	96	6715	3.095 ug/L #	1
13) Acetone	2.31	43	7728	4.682 ug/L	99
14) Carbon disulfide	2.46	76	18008	2.646 ug/L	96
15) Methyl Acetate	2.60	43	6216	2.365 ug/L	97
16) Methylene chloride	2.68	84	6445	2.601 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	5502	2.420 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	15809	2.281 ug/L	97
19) 1,1-Dichloroethane	3.43	63	10456	2.451 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	6616	2.593 ug/L	98
22) 2-Butanone	4.25	43	8259	4.191 ug/L #	67

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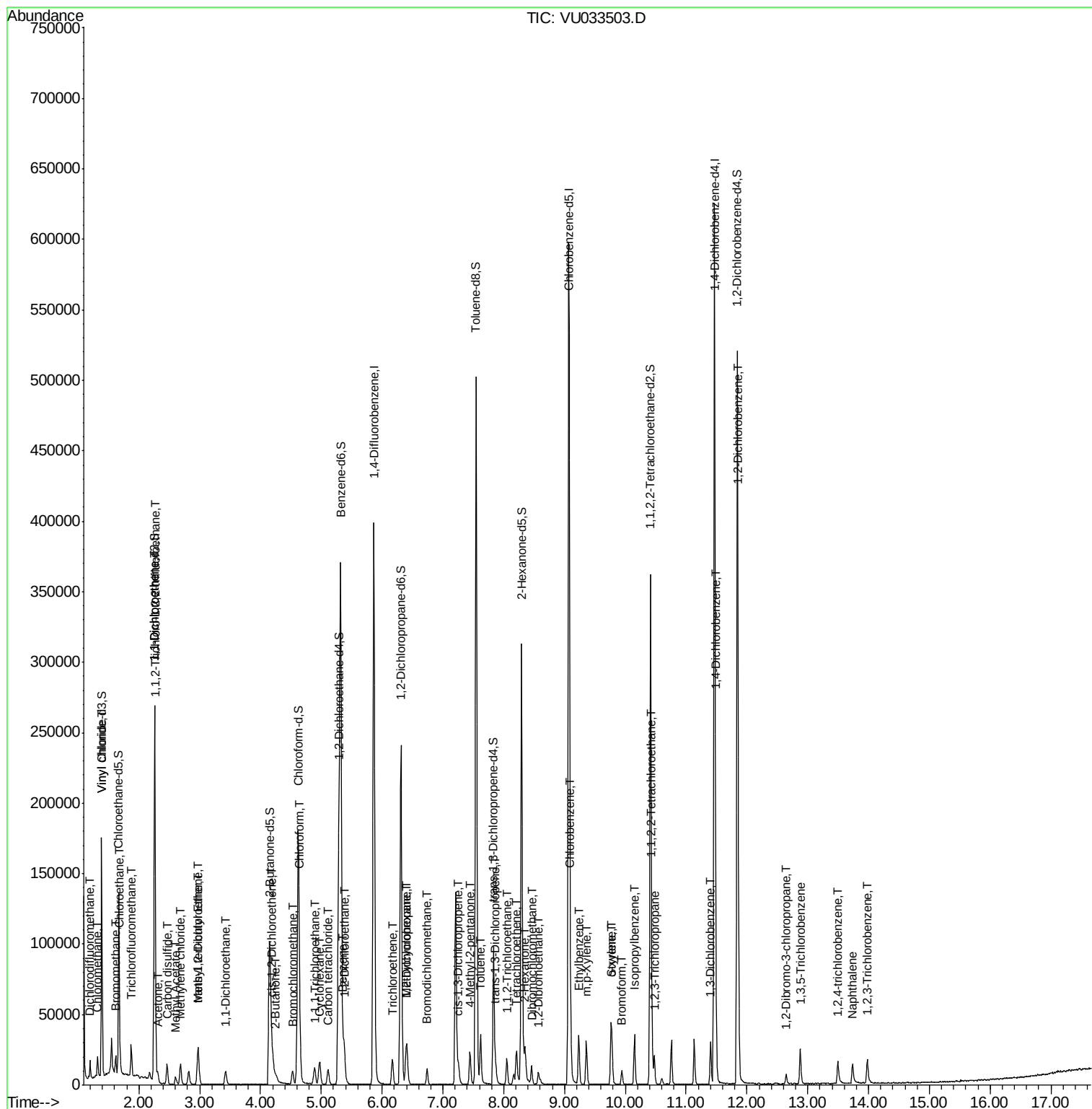
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	3260	2.449	ug/L	82
25) Chloroform	4.65	83	15630	3.481	ug/L	96
27) 1,2-Dichloroethane	5.39	62	9165	2.651	ug/L	96
29) Cyclohexane	4.97	56	8158	2.244	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	9244	2.411	ug/L	97
31) Carbon tetrachloride	5.11	117	8033	2.406	ug/L	99
33) Benzene	5.37	78	24542	2.553	ug/L	100
34) Trichloroethene	6.17	95	6243	2.462	ug/L	96
35) Methylcyclohexane	6.39	83	8921	2.254	ug/L	98
37) 1,2-Dichloropropane	6.41	63	7084	2.753	ug/L #	92
38) Bromodichloromethane	6.74	83	7954	2.391	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	10000	2.490	ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	16509	4.646	ug/L	99
42) Toluene	7.62	91	25389	2.456	ug/L	94
44) trans-1,3-Dichloropropene	7.86	75	10753	2.962	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	6103	2.498	ug/L	94
46) Tetrachloroethene	8.21	164	5236	2.529	ug/L	99
48) 2-Hexanone	8.35	43	14174	4.935	ug/L	98
49) Dibromochloromethane	8.46	129	6449	2.320	ug/L	96
50) 1,2-Dibromoethane	8.58	107	6515	2.408	ug/L #	86
51) Chlorobenzene	9.10	112	17182	2.539	ug/L	95
52) Ethylbenzene	9.23	91	24614	2.211	ug/L	99
53) m,p-Xylene	9.36	106	9406	2.201	ug/L	98
54) o-xylene	9.76	106	8738	2.108	ug/L	97
55) Styrene	9.78	104	14201	2.017	ug/L	96
56) Isopropylbenzene	10.15	105	22612	2.088	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	11592	2.631	ug/L #	88
59) 1,2,3-Trichloropropane	10.48	75	8428	2.481	ug/L	100
61) Bromoform	9.94	173	4578	2.295	ug/L #	94
62) 1,3-Dichlorobenzene	11.40	146	12863	2.537	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	13779	2.615	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	13966	2.724	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	2303	2.431	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	9333	2.281	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	6862	1.963	ug/L	93
69) Naphthalene	13.74	128	15621	1.558	ug/L	94
70) 1,2,3-Trichlorobenzene	13.98	180	7160	1.948	ug/L	97

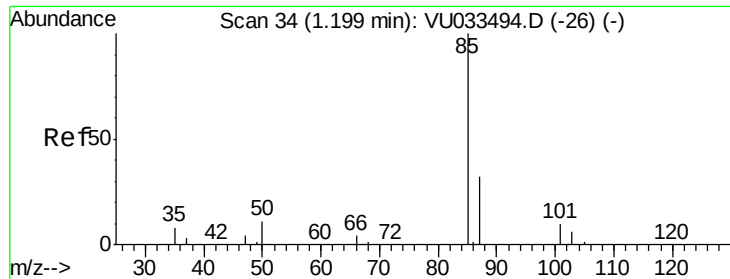
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.420 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

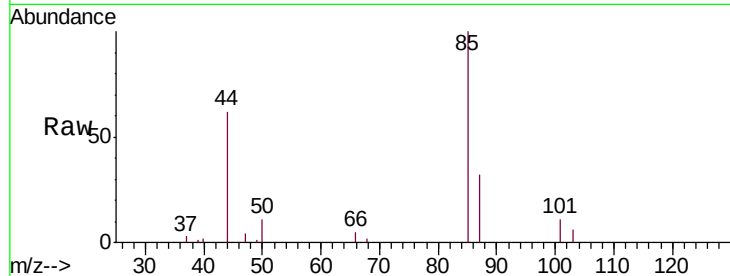
MDL03

Tgt Ion: 85 Resp: 7645

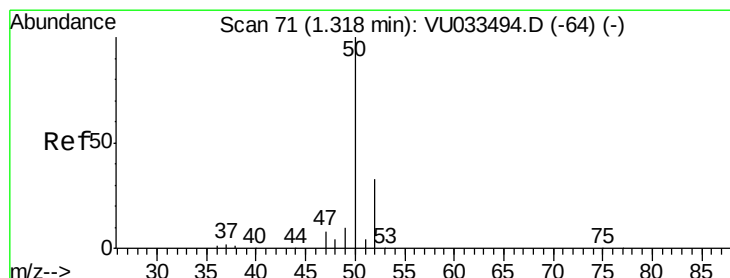
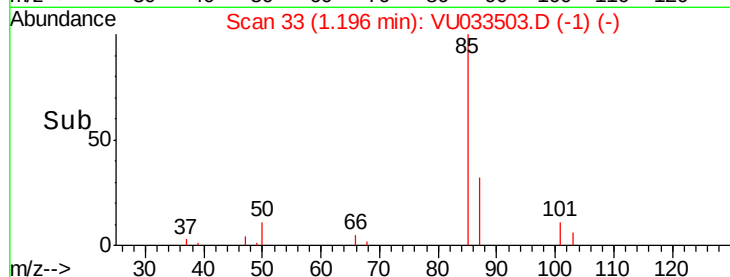
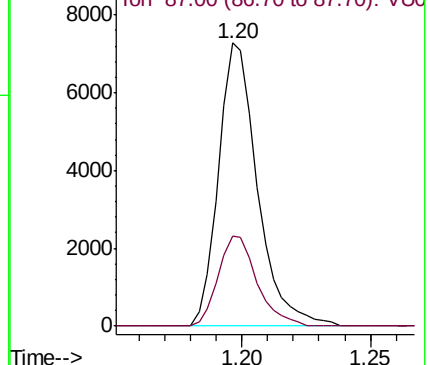
Ion Ratio Lower Upper

85 100

87 31.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033503.D (-1) (-)



#3

Chloromethane

Concen: 2.727 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033503.D

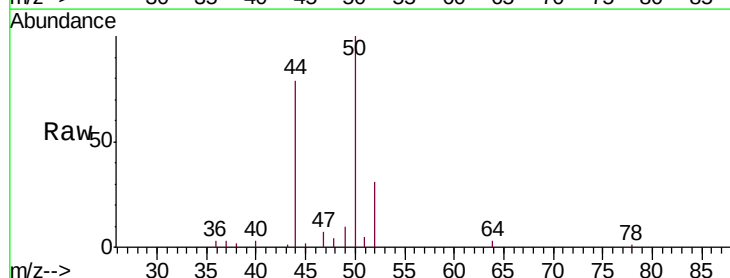
Acq: 30 Jul 2019 19:34

Tgt Ion: 50 Resp: 8679

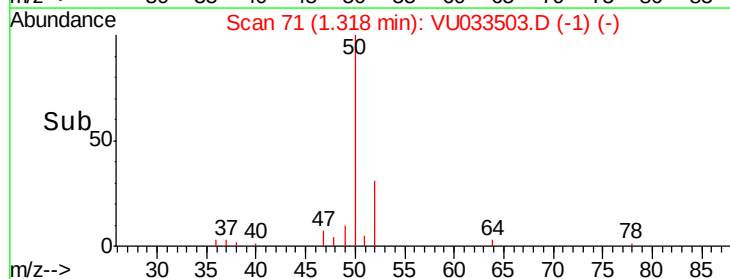
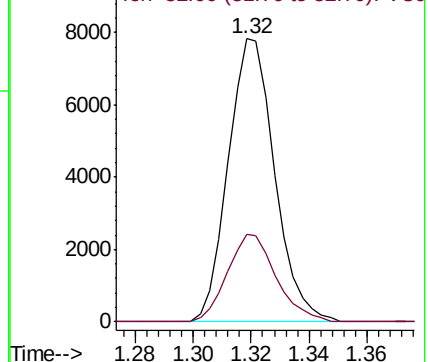
Ion Ratio Lower Upper

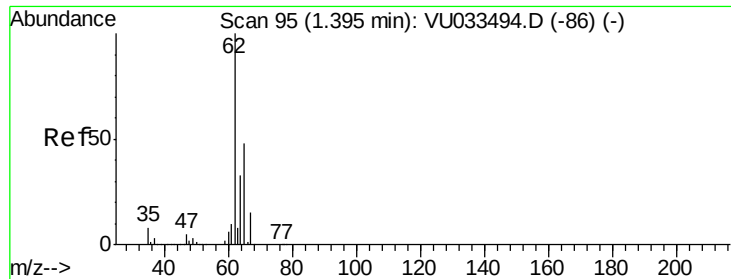
50 100

52 30.9 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033503.D (-1) (-)





#5

Vinyl chloride

Concen: 2.564 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

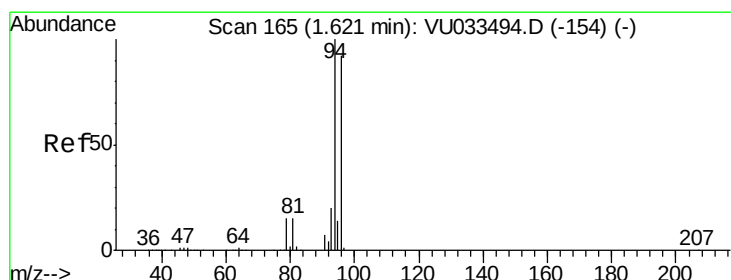
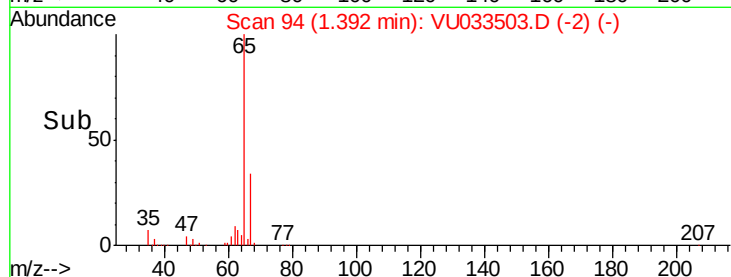
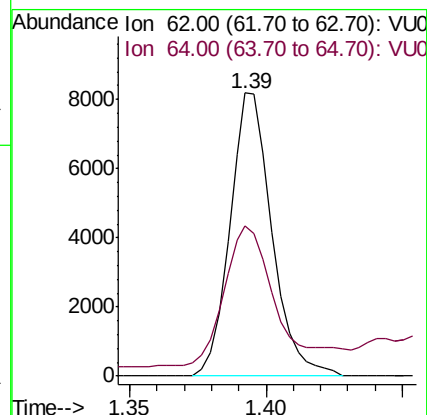
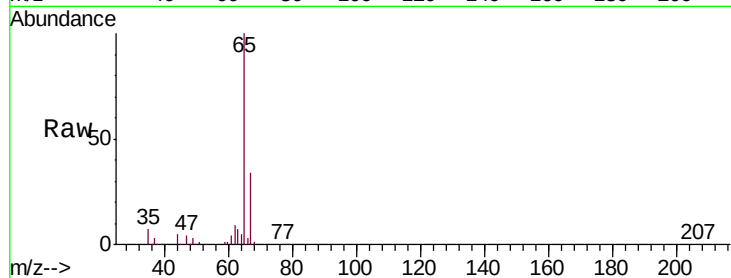
MDL03

Tgt Ion: 62 Resp: 8747

Ion Ratio Lower Upper

62 100

64 53.2 23.4 43.4#



#6

Bromomethane

Concen: 1.852 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033503.D

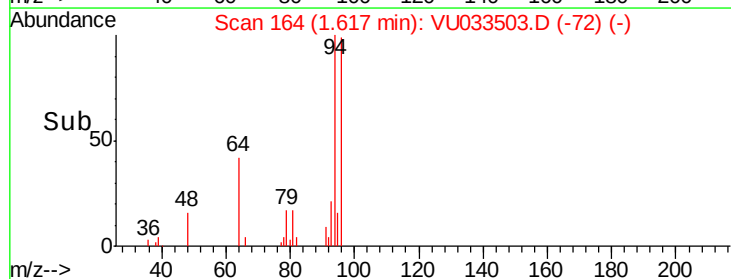
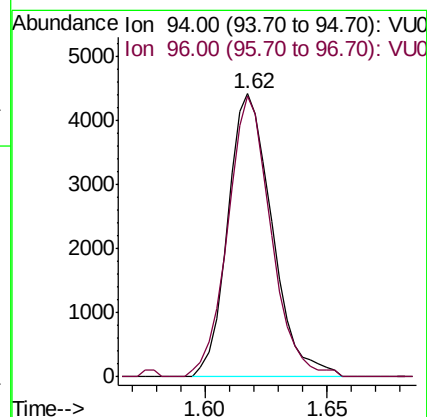
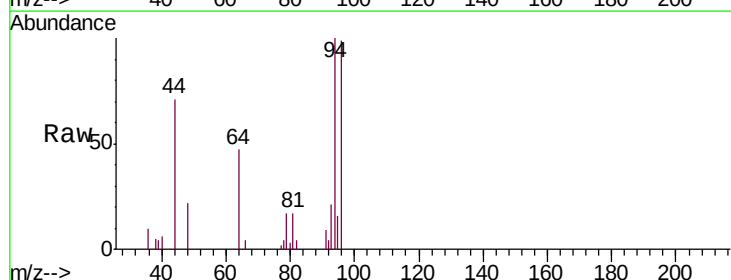
Acq: 30 Jul 2019 19:34

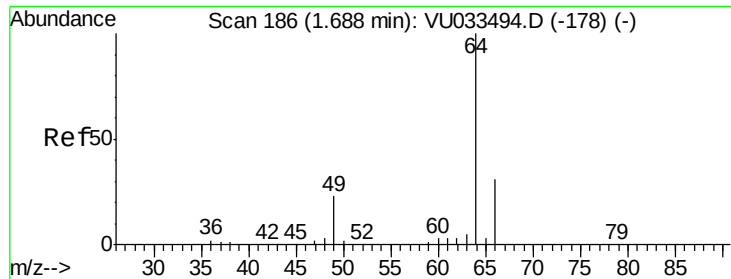
Tgt Ion: 94 Resp: 5574

Ion Ratio Lower Upper

94 100

96 99.1 64.4 119.6





#8

Chloroethane

Concen: 2.636 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampled :

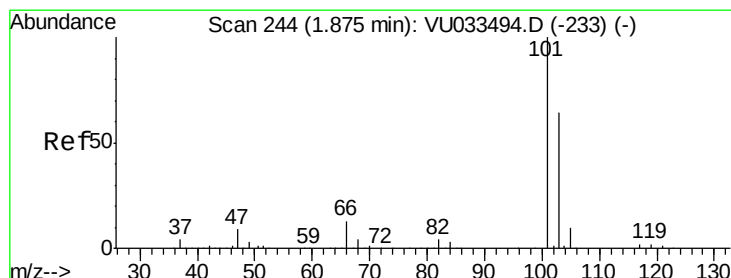
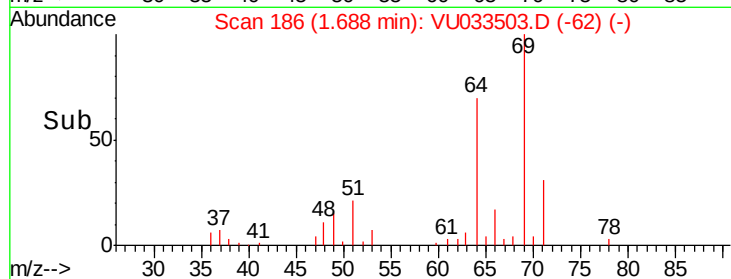
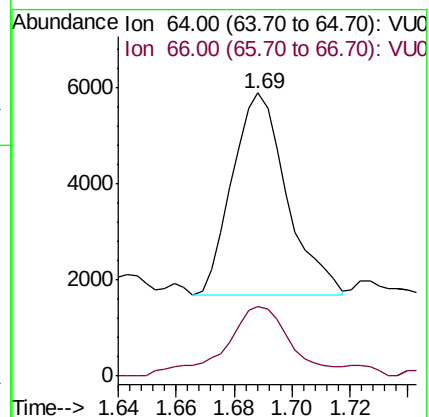
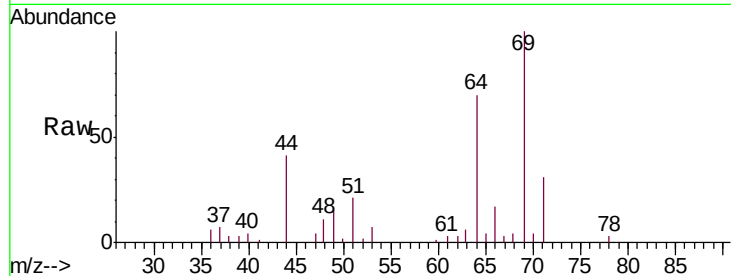
MDL03

Tgt Ion: 64 Resp: 5465

Ion Ratio Lower Upper

64 100

66 24.6 21.1 39.3



#9

Trichlorofluoromethane

Concen: 2.539 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033503.D

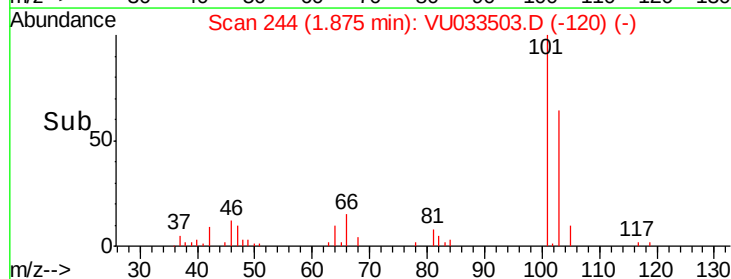
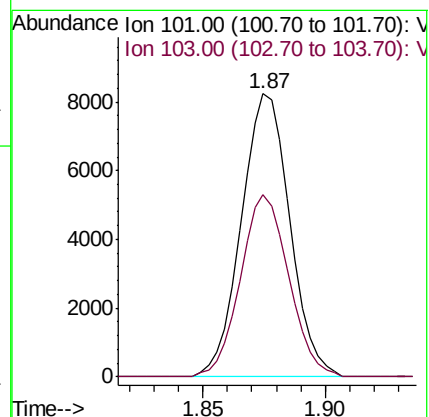
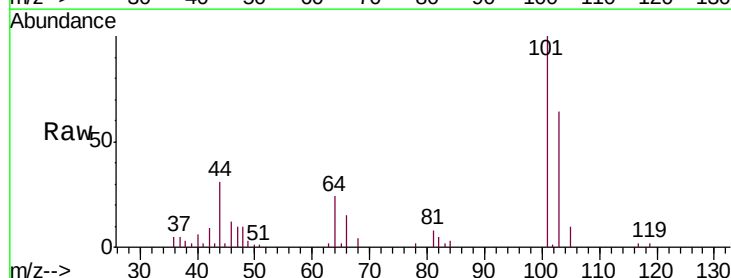
Acq: 30 Jul 2019 19:34

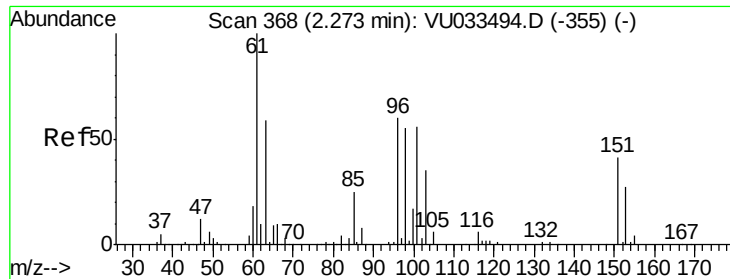
Tgt Ion: 101 Resp: 11331

Ion Ratio Lower Upper

101 100

103 64.2 51.6 77.4





#10

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

Concen: 3.007 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL03

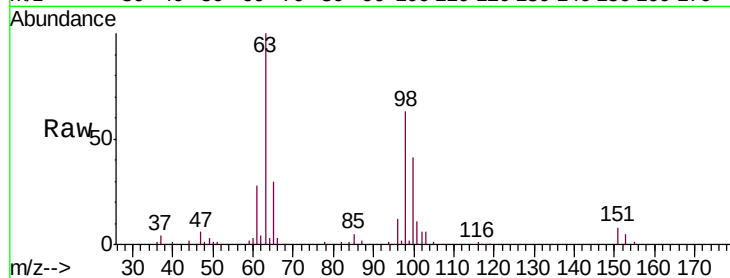
Tgt Ion:101 Resp: 6804

Ion Ratio Lower Upper

101 100

85 35.5 35.8 53.8#

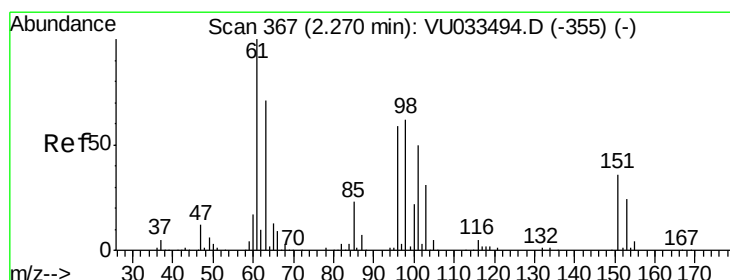
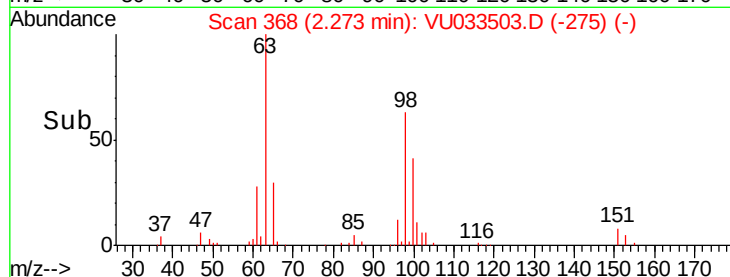
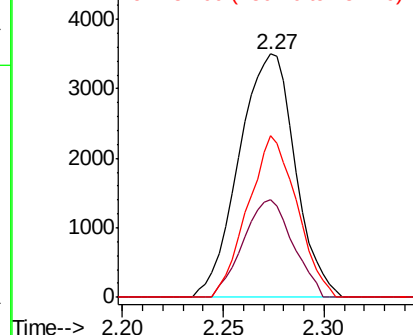
151 57.9 60.1 90.1#



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: 3.095 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

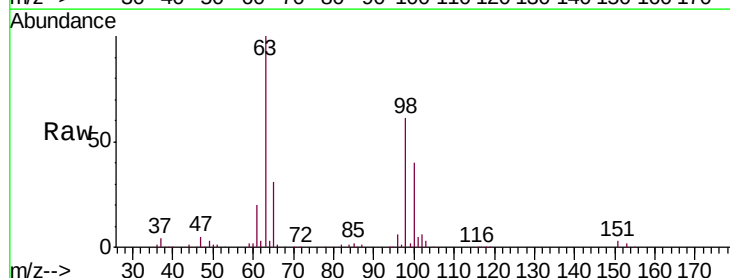
Tgt Ion: 96 Resp: 6715

Ion Ratio Lower Upper

96 100

61 339.9 119.3 221.5#

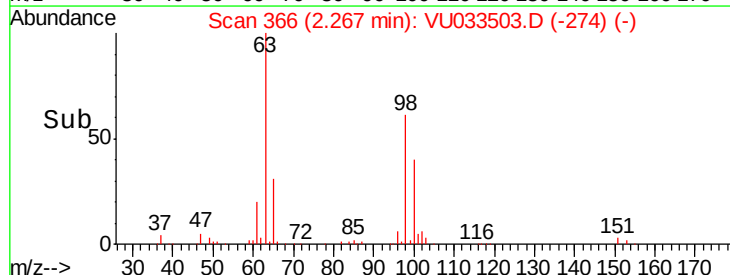
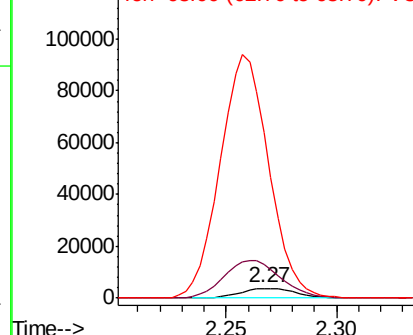
63 1674.1 86.6 160.8#

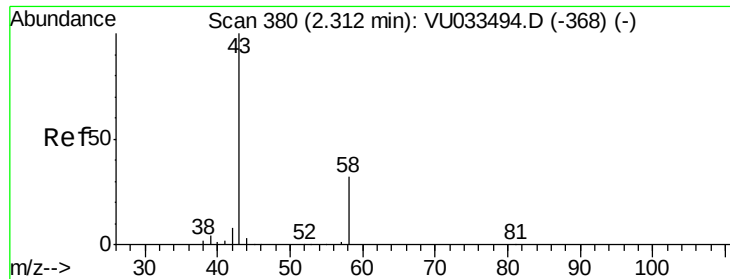


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.682 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

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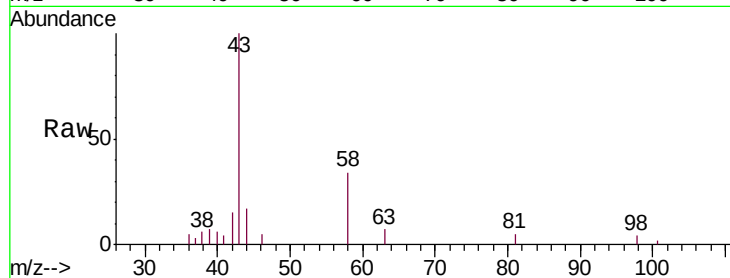
MDL03

Tgt Ion: 43 Resp: 7728

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU033494.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VU033494.D (-368) (-)

2.31

4000

3000

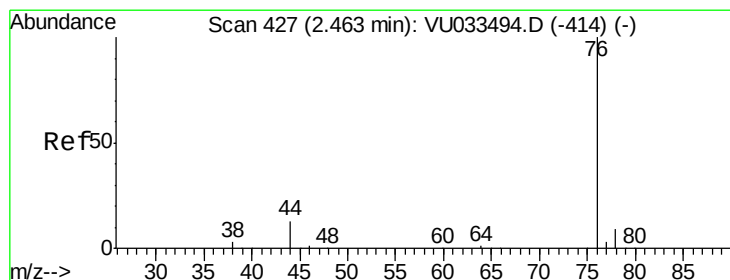
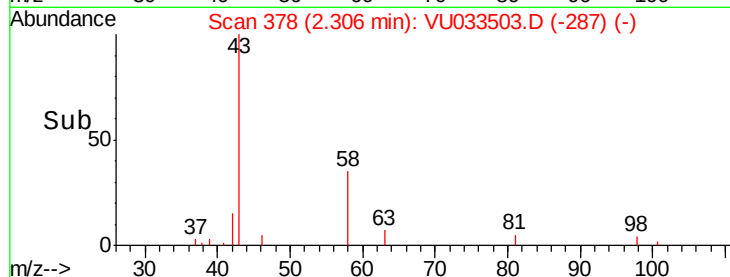
2000

1000

0

Time-->

2.25 2.30 2.35



#14

Carbon disulfide

Concen: 2.646 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033503.D

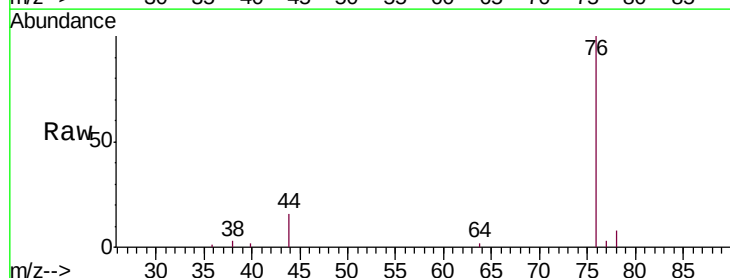
Acq: 30 Jul 2019 19:34

Tgt Ion: 76 Resp: 18008

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033494.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033494.D (-414) (-)

2.46

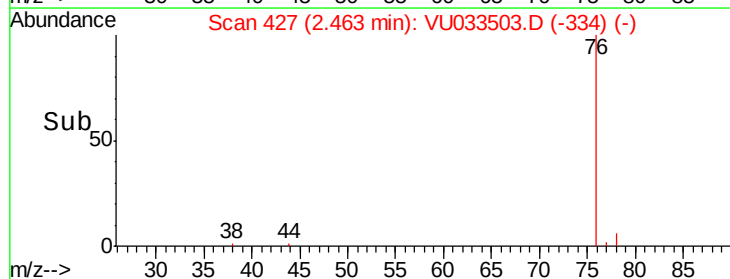
10000

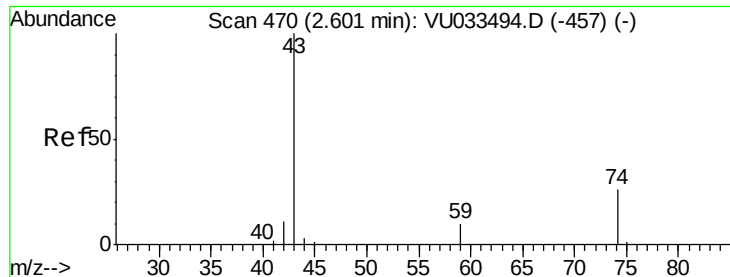
5000

0

Time-->

2.40 2.45 2.50

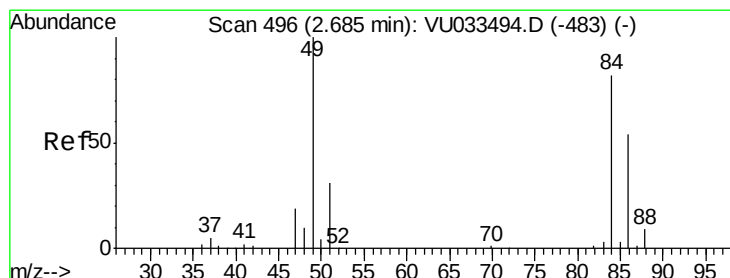
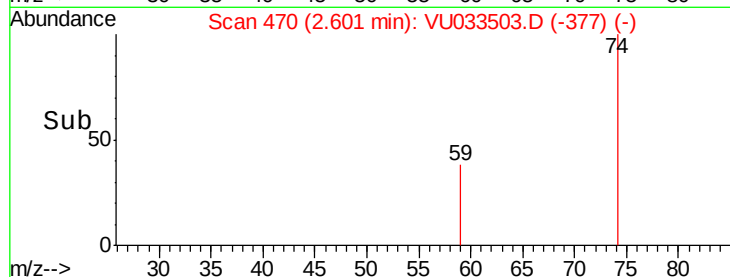
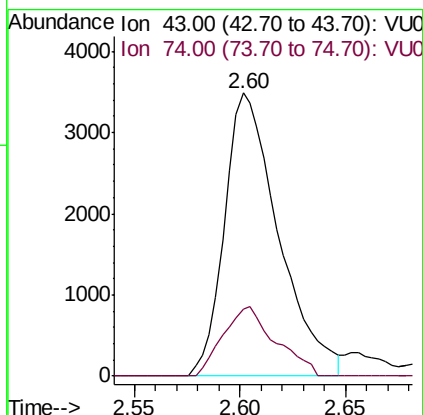
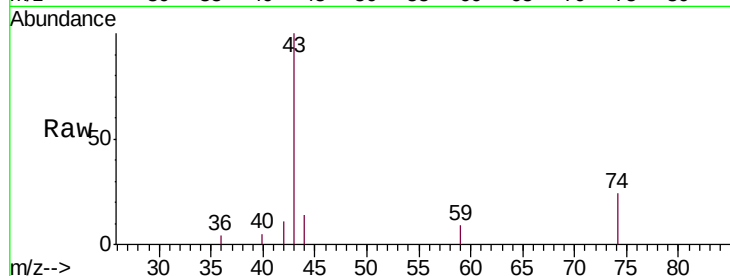




#15
Methyl Acetate
Concen: 2.365 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

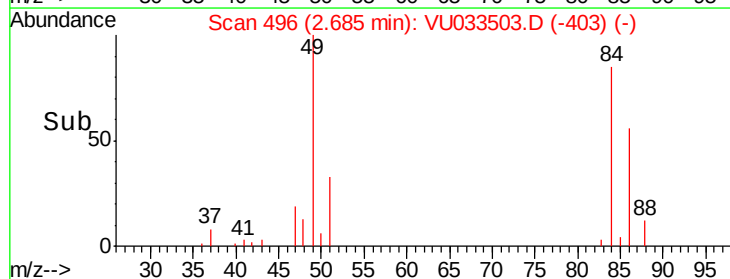
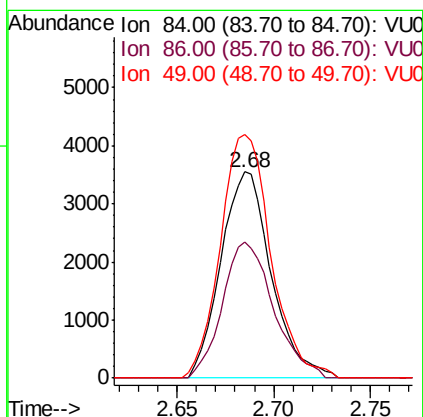
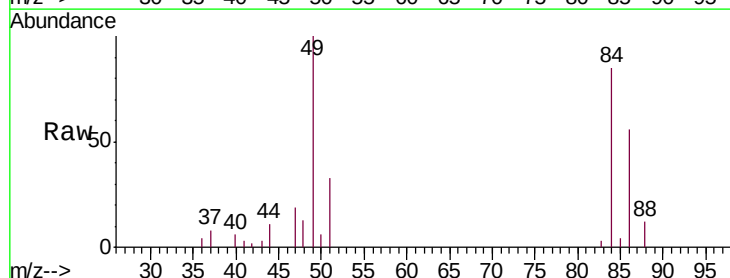
Instrument :
MSVOA_U
ClientSampleId :
MDL03

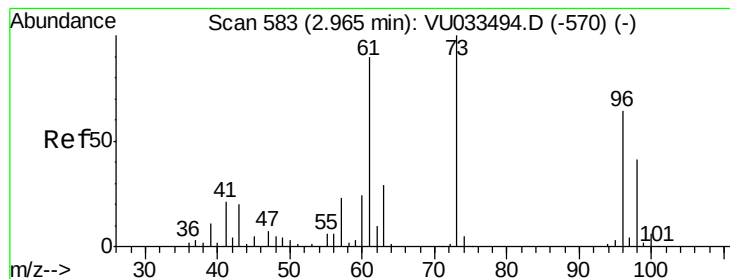
Tgt Ion: 43 Resp: 6216
Ion Ratio Lower Upper
43 100
74 23.7 20.1 30.1



#16
Methylene chloride
Concen: 2.601 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

Tgt Ion: 84 Resp: 6445
Ion Ratio Lower Upper
84 100
86 66.1 45.7 84.9
49 118.2 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 2.420 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL03

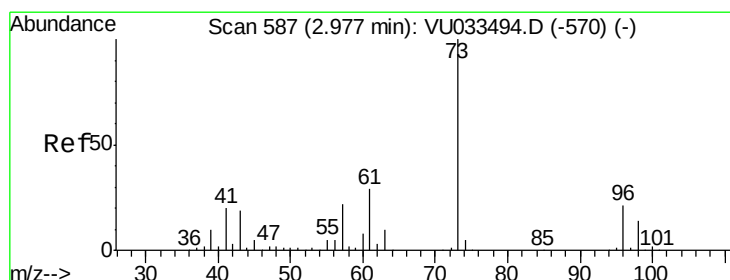
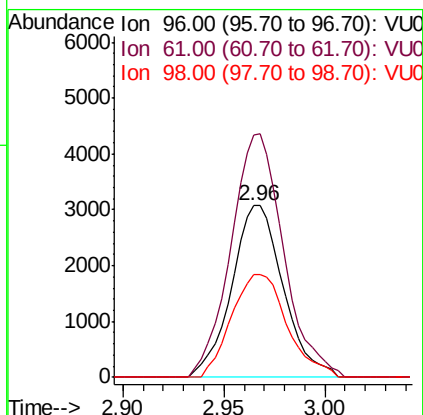
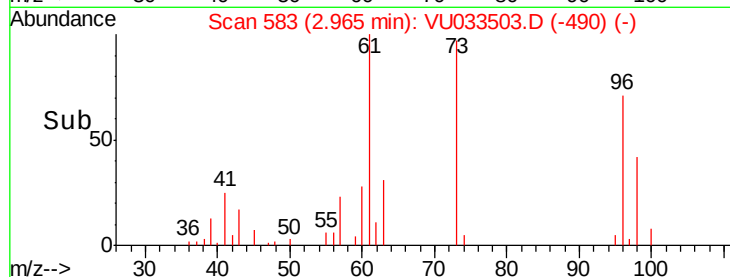
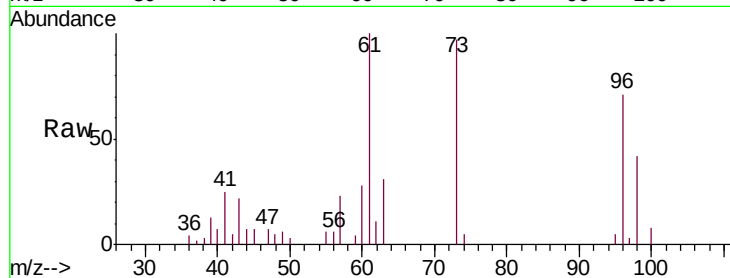
Tgt Ion: 96 Resp: 5502

Ion Ratio Lower Upper

96 100

61 141.2 98.3 182.5

98 59.7 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 2.281 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

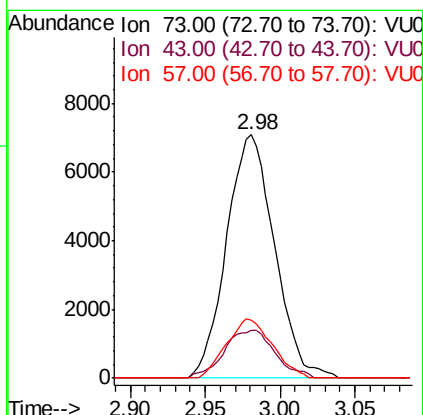
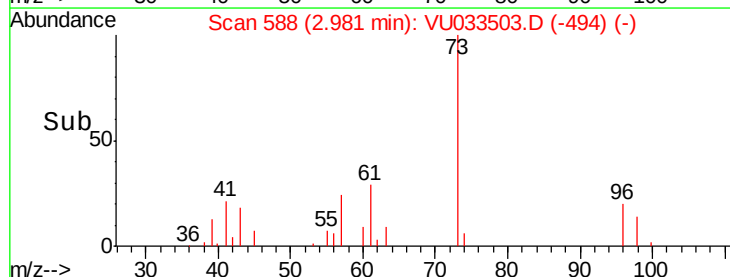
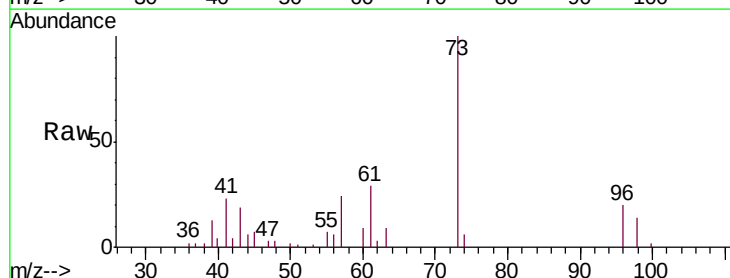
Tgt Ion: 73 Resp: 15809

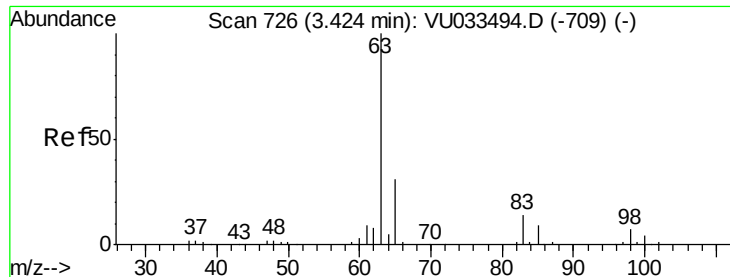
Ion Ratio Lower Upper

73 100

43 20.8 15.4 23.2

57 23.2 17.4 26.2

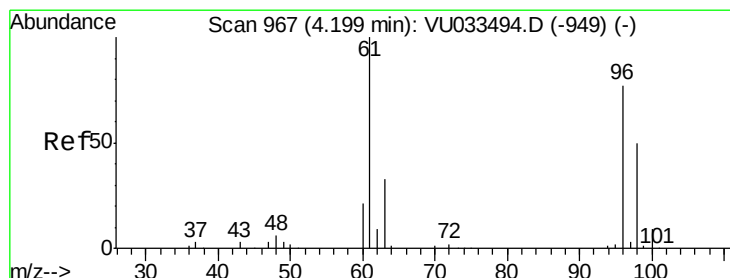
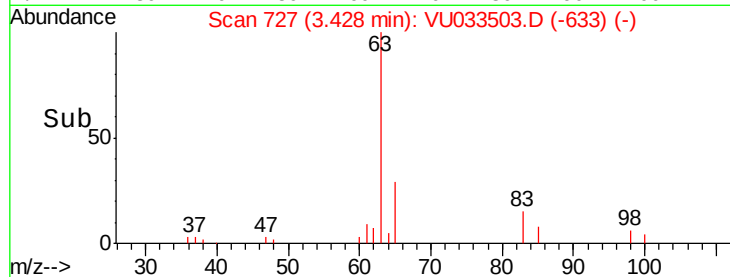
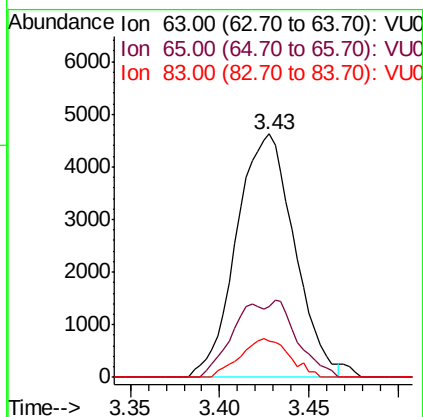
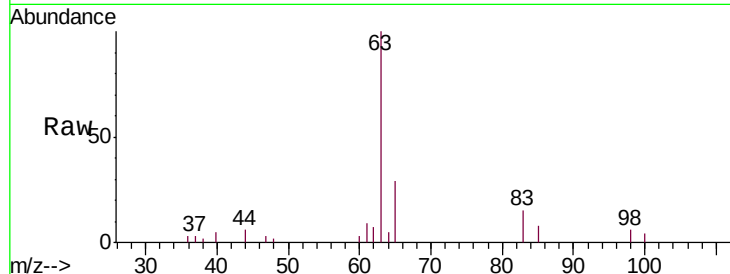




#19
 1,1-Dichloroethane
 Concen: 2.451 ug/L
 RT: 3.43 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

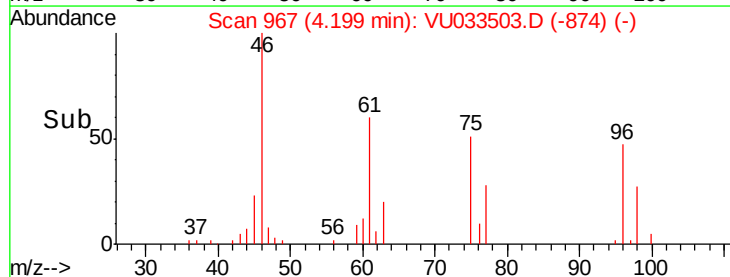
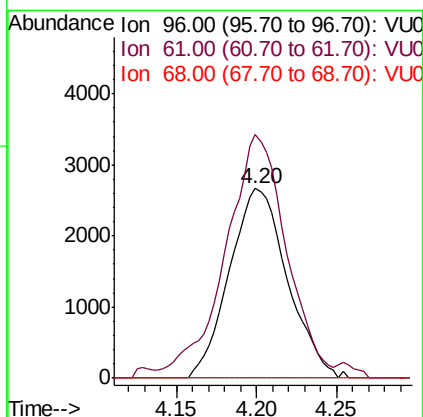
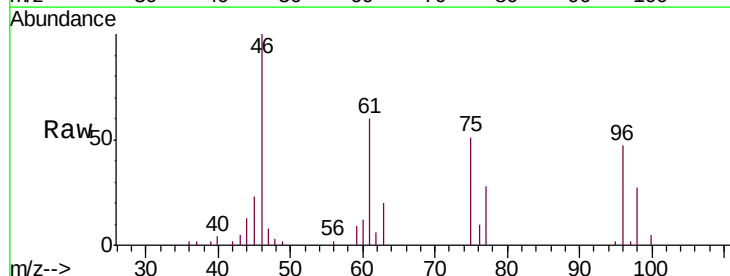
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

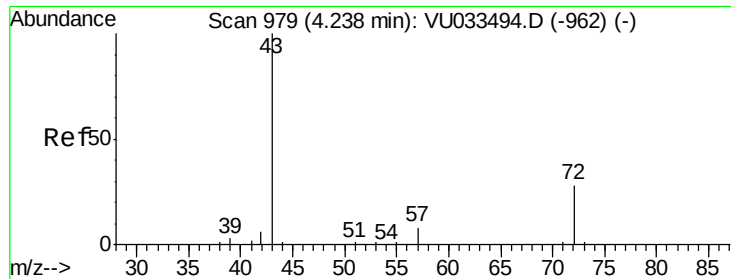
Tgt Ion: 63 Resp: 10456
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.0 40.8
 83 15.1 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.593 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Tgt Ion: 96 Resp: 6616
 Ion Ratio Lower Upper
 96 100
 61 128.4 91.3 169.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.191 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.01 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampled :

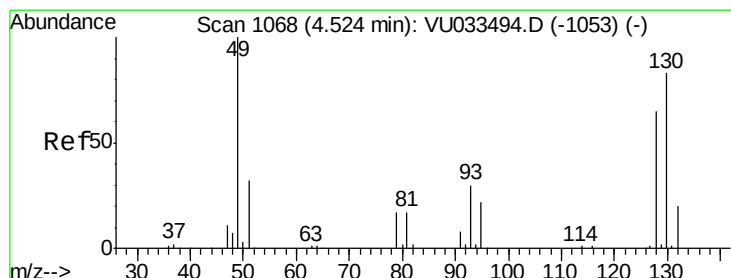
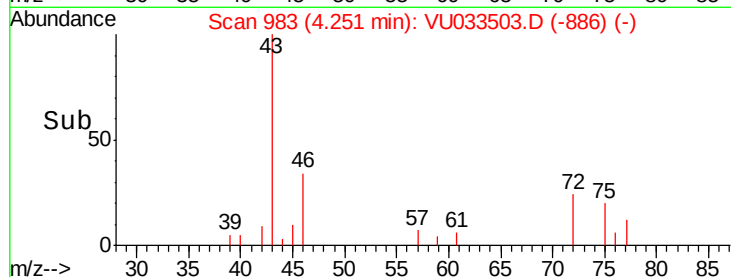
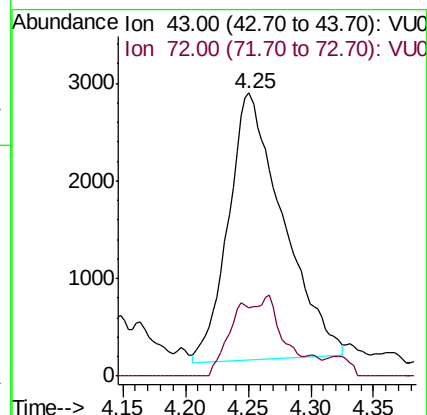
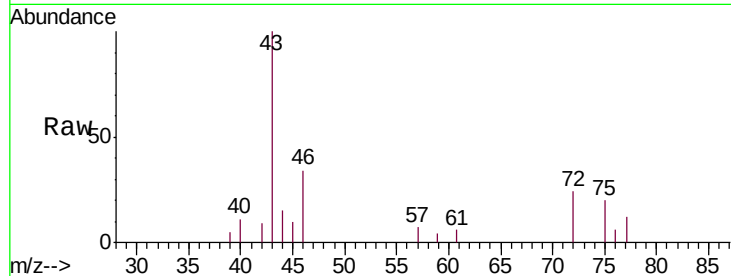
MDL03

Tgt Ion: 43 Resp: 8259

Ion Ratio Lower Upper

43 100

72 11.0 14.2 42.6#



#23

Bromochloromethane

Concen: 2.449 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Tgt Ion: 128 Resp: 3260

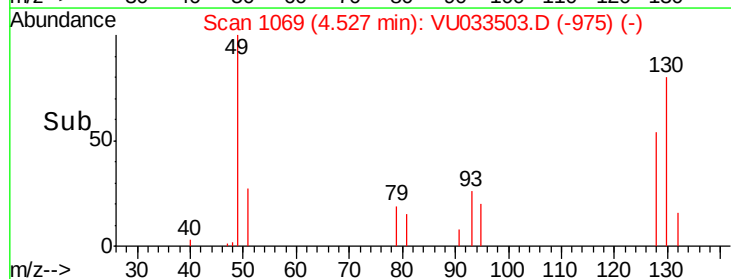
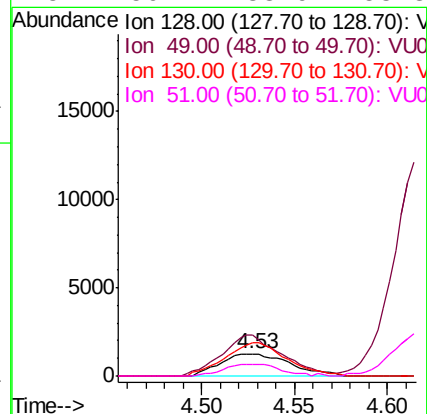
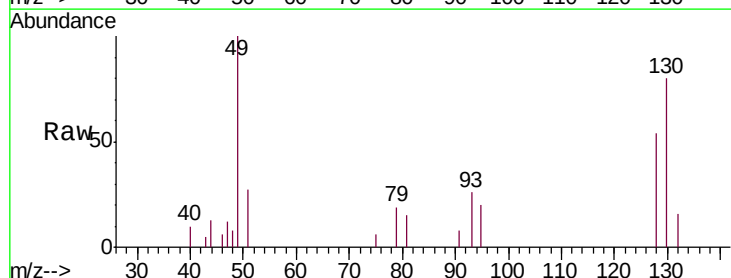
Ion Ratio Lower Upper

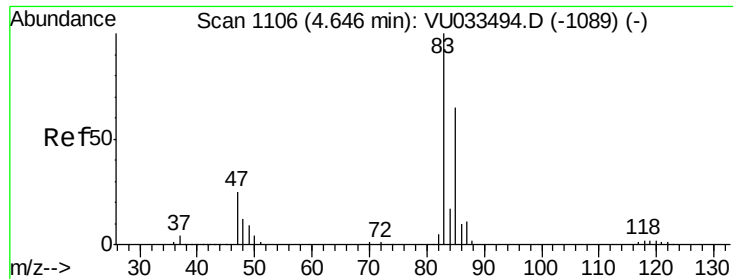
128 100

49 186.0 108.4 201.2

130 148.2 89.7 166.5

51 50.2 38.9 58.3

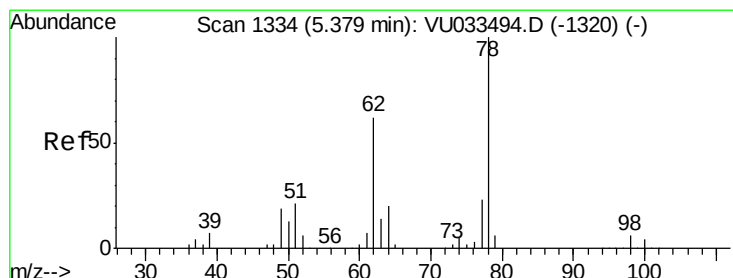
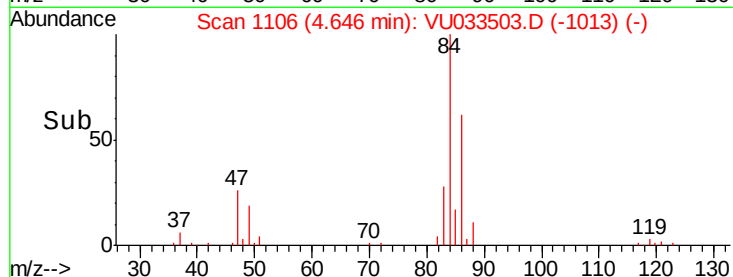
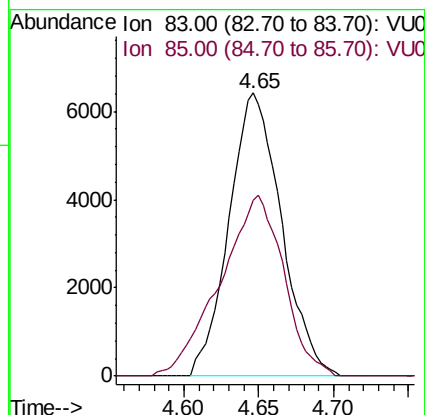
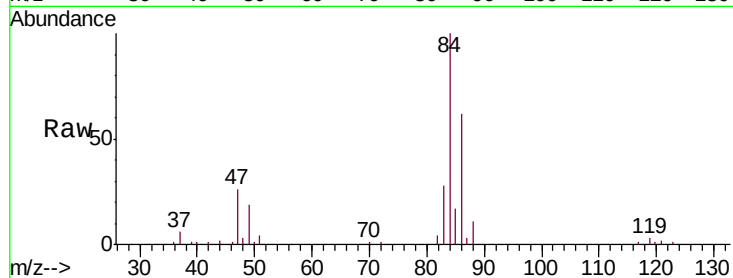




#25
Chloroform
Concen: 3.481 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

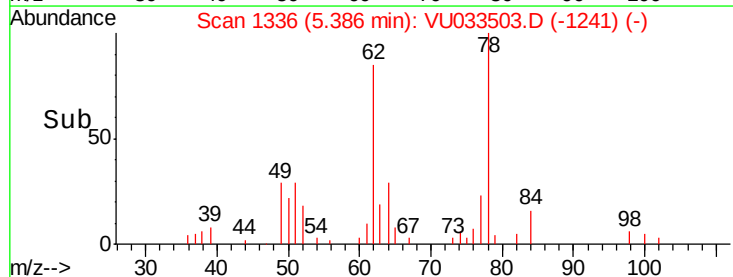
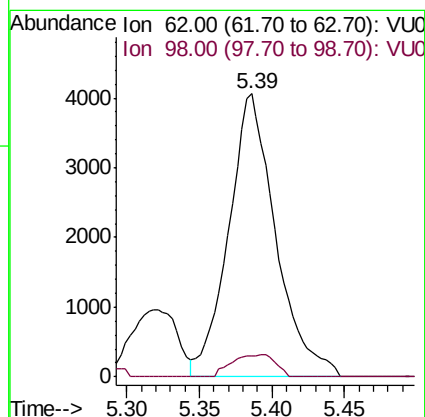
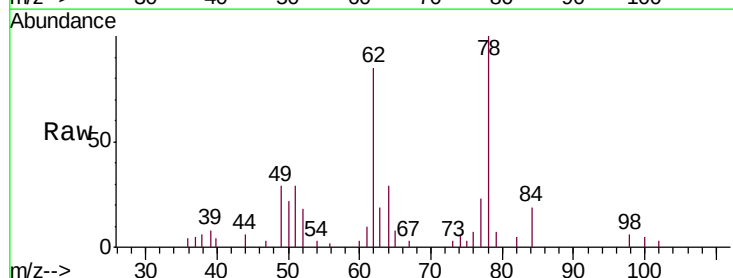
Instrument :
MSVOA_U
ClientSampleId :
MDL03

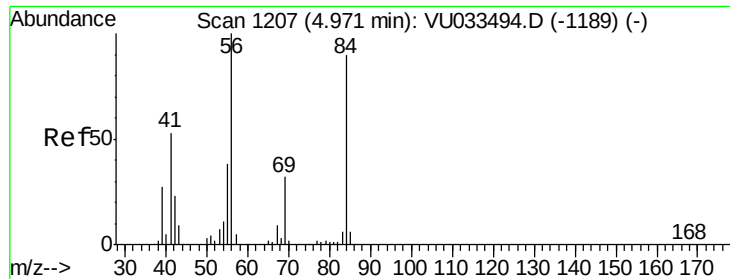
Tgt Ion: 83 Resp: 15630
Ion Ratio Lower Upper
83 100
85 61.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.651 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

Tgt Ion: 62 Resp: 9165
Ion Ratio Lower Upper
62 100
98 7.4 7.2 10.8

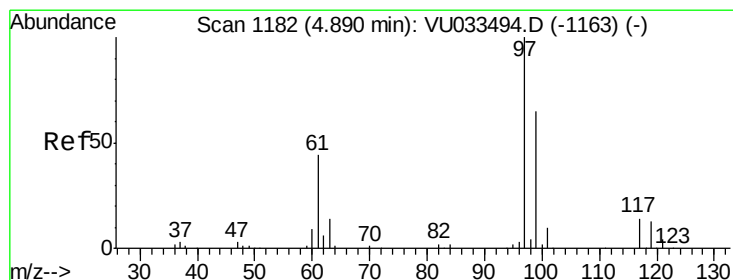
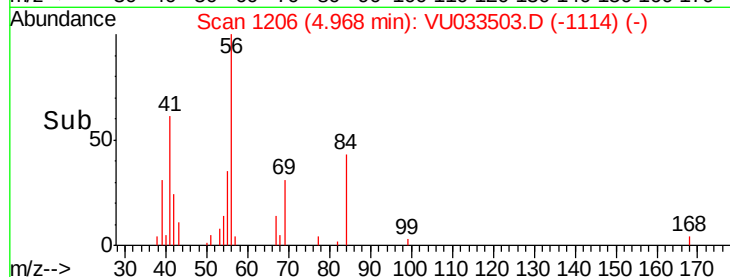
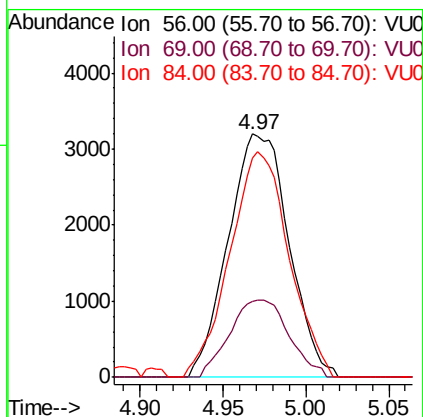
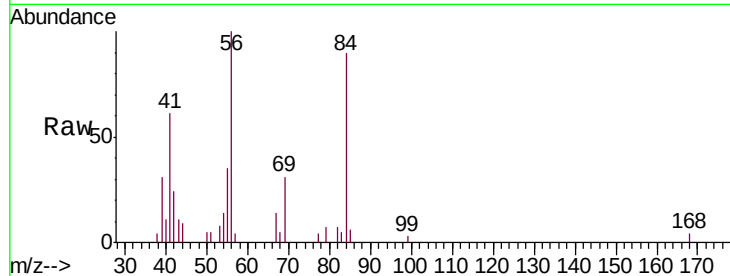




#29
Cyclohexane
Concen: 2.244 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

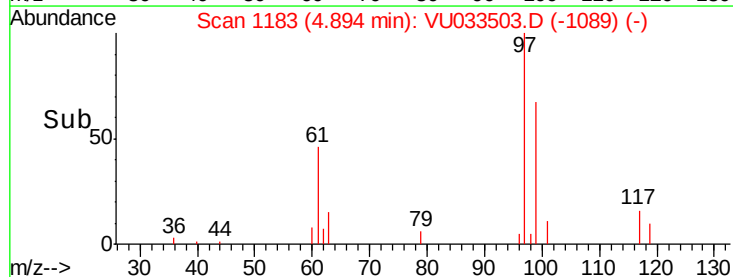
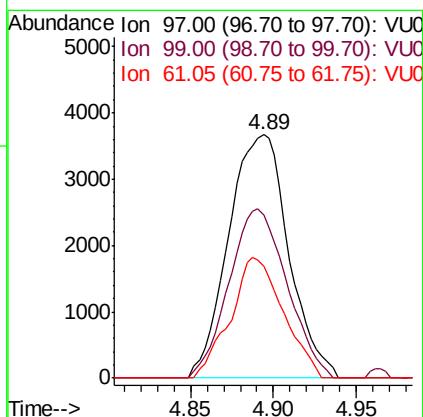
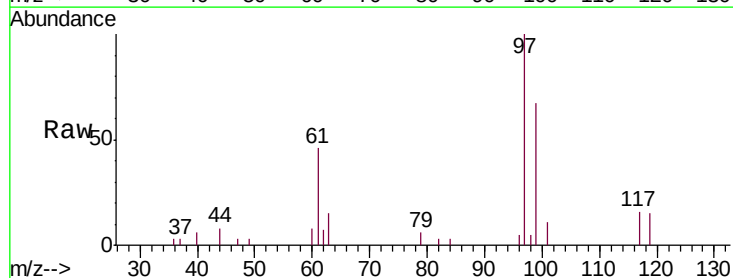
Instrument :
MSVOA_U
ClientSampleId :
MDL03

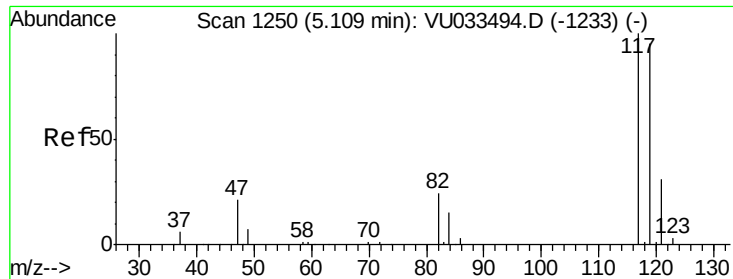
Tgt Ion: 56 Resp: 8158
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 90.4 71.6 107.4



#30
1,1,1-Trichloroethane
Concen: 2.411 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

Tgt Ion: 97 Resp: 9244
Ion Ratio Lower Upper
97 100
99 67.4 51.1 76.7
61 43.8 35.5 53.3





#31

Carbon tetrachloride

Concen: 2.406 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

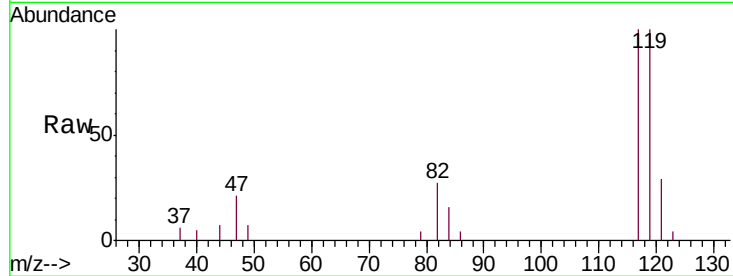
MDL03

Tgt Ion:117 Resp: 8033

Ion Ratio Lower Upper

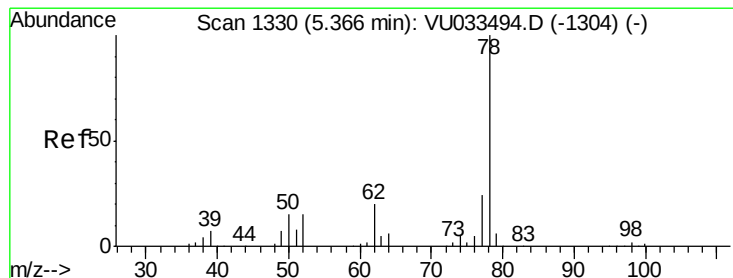
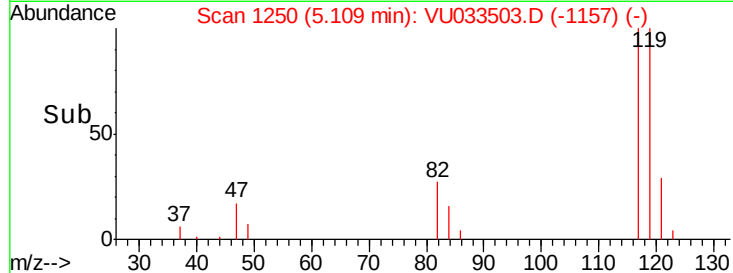
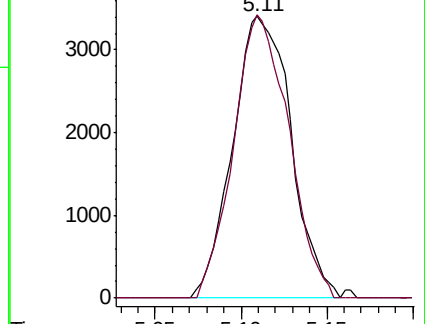
117 100

119 95.2 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.553 ug/L

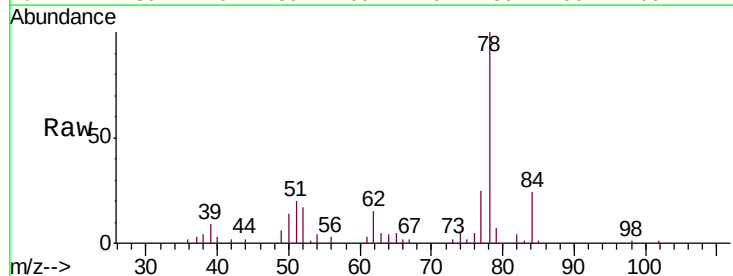
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033503.D

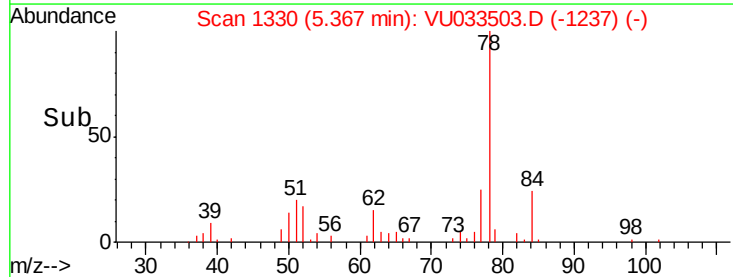
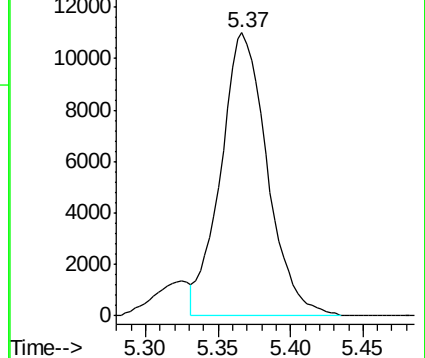
Acq: 30 Jul 2019 19:34

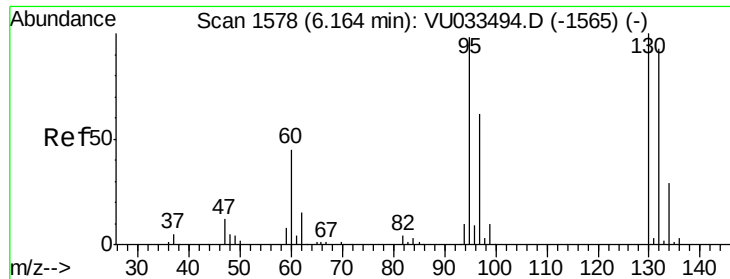
Tgt Ion: 78 Resp: 24542



Abundance Ion 78.00 (77.70 to 78.70): VU0

Time-->

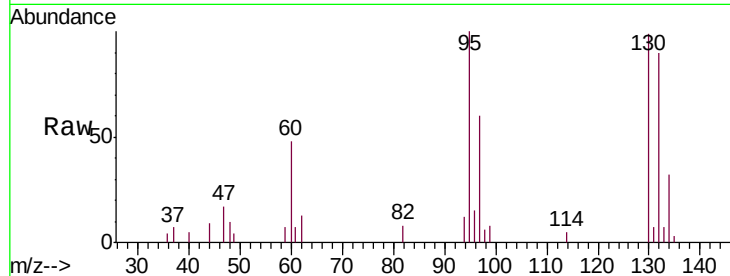




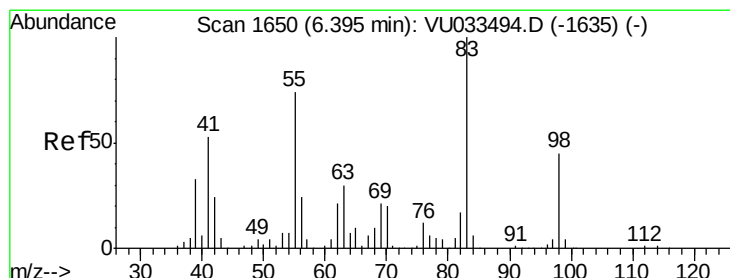
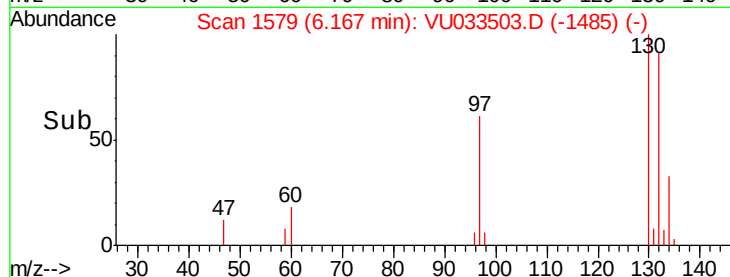
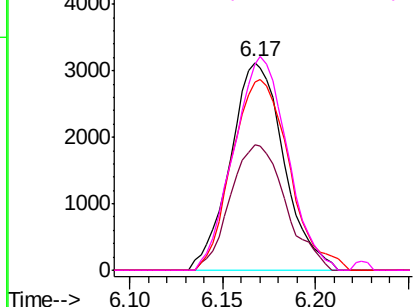
#34
 Trichloroethene
 Concen: 2.462 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 95 Resp: 6243
 Ion Ratio Lower Upper
 95 100
 97 60.1 44.7 83.1
 132 90.4 66.8 124.0
 130 98.9 71.6 133.0

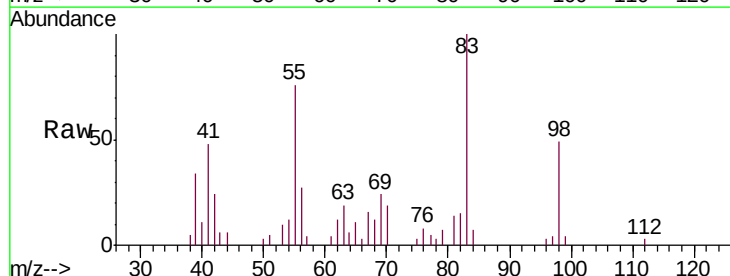


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

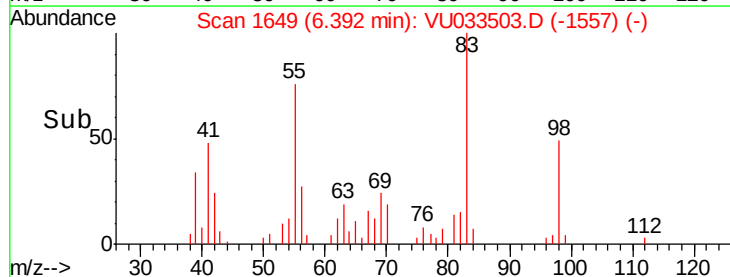
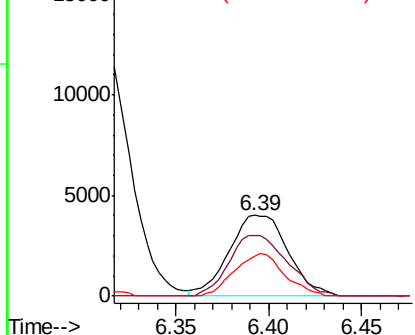


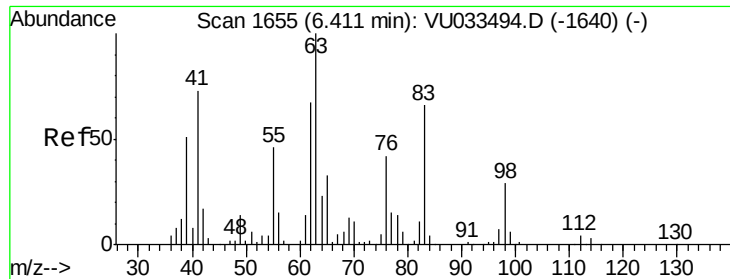
#35
 Methylcyclohexane
 Concen: 2.254 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Tgt Ion: 83 Resp: 8921
 Ion Ratio Lower Upper
 83 100
 55 73.9 60.2 90.4
 98 44.1 36.5 54.7



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

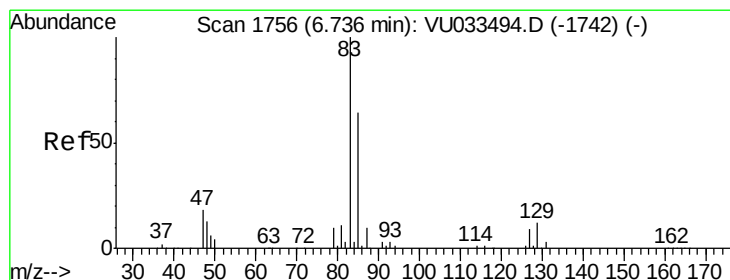
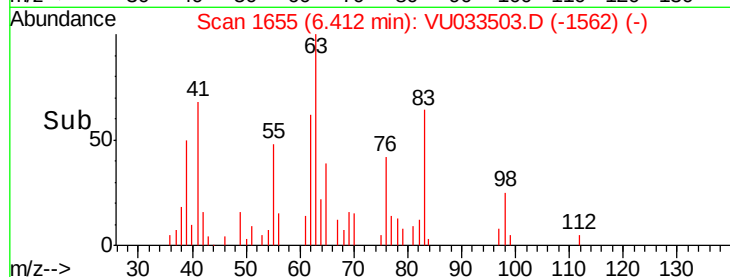
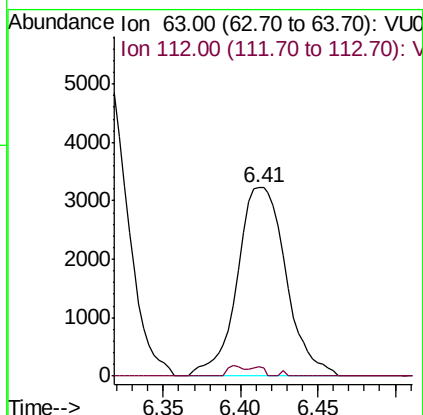
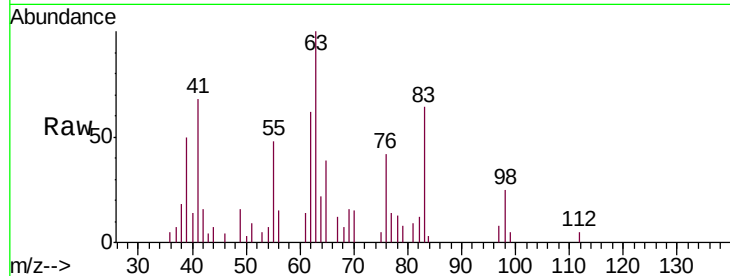




#37
 1,2-Dichloropropane
 Concen: 2.753 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

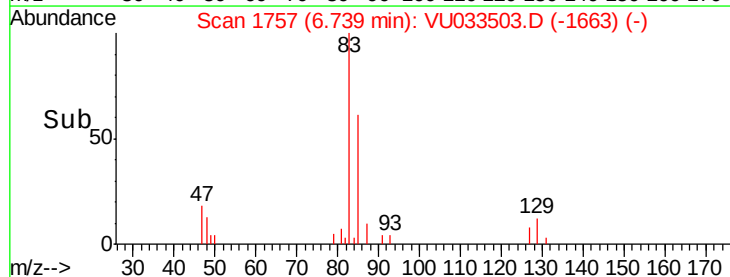
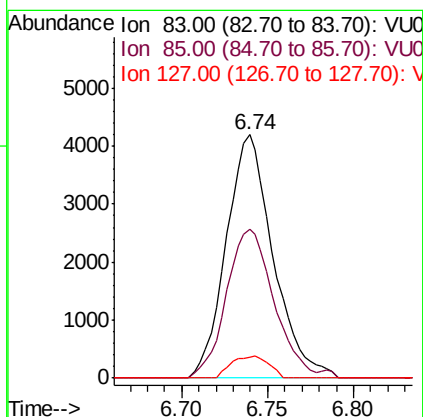
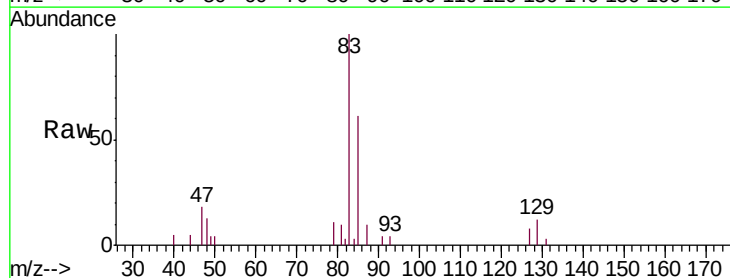
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

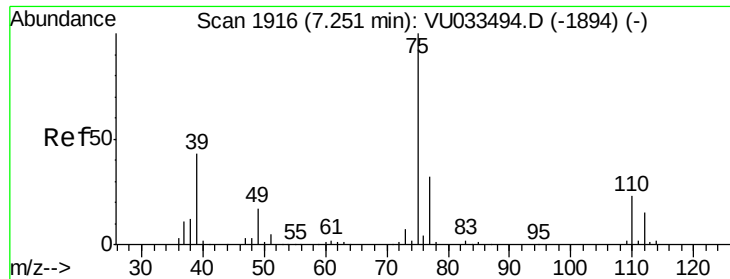
Tgt Ion: 63 Resp: 7084
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 2.391 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Tgt Ion: 83 Resp: 7954
 Ion Ratio Lower Upper
 83 100
 85 61.1 45.1 83.9
 127 8.5 7.2 10.8

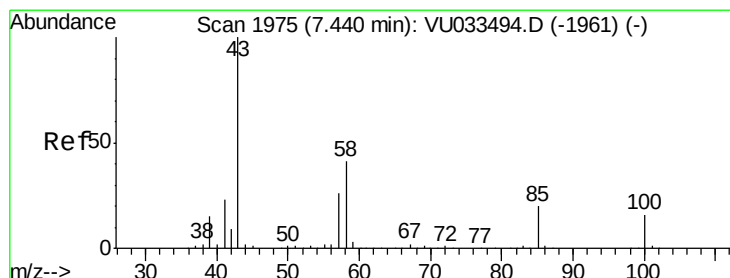
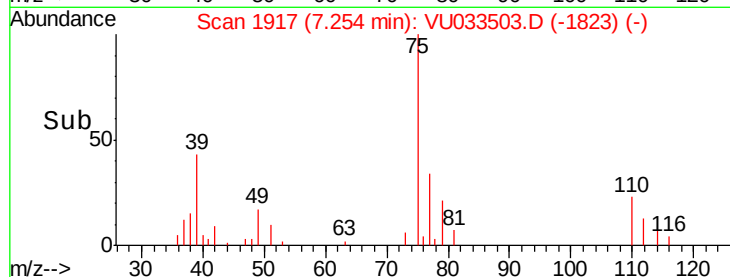
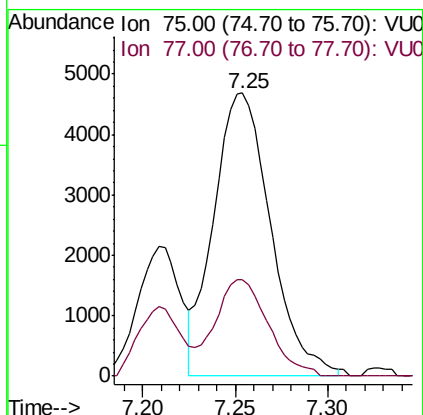
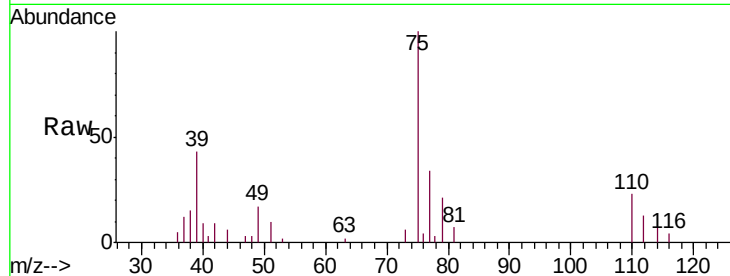




#39
 cis-1,3-Dichloropropene
 Concen: 2.490 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

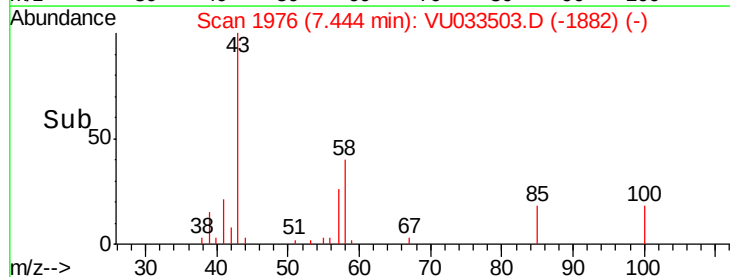
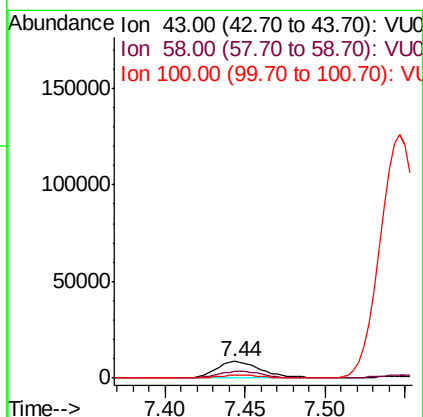
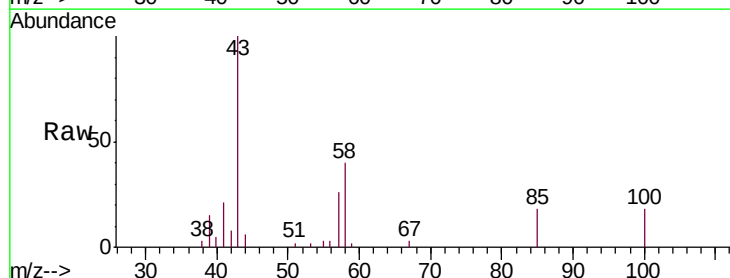
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

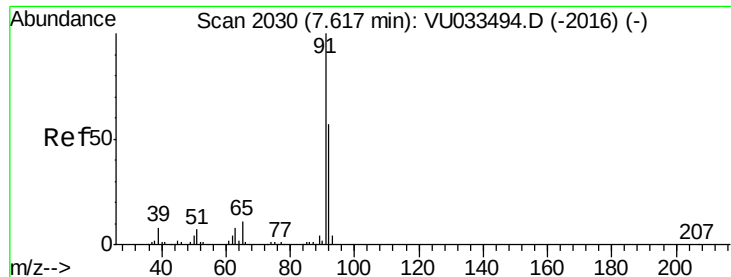
Tgt Ion: 75 Resp: 10000
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.646 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Tgt Ion: 43 Resp: 16509
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.8 49.2
 100 16.1 12.9 19.3





#42

Toluene

Concen: 2.456 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

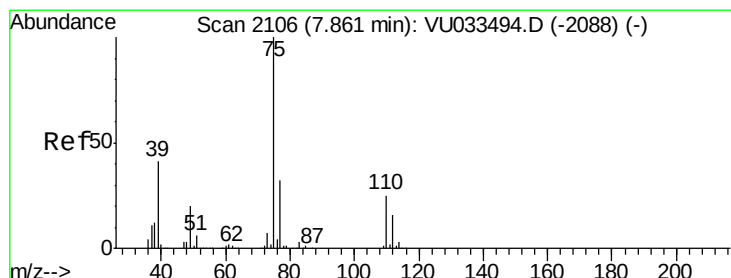
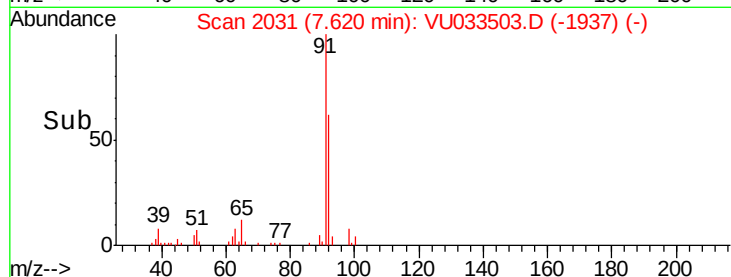
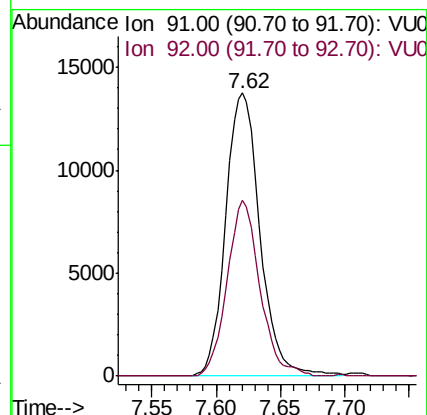
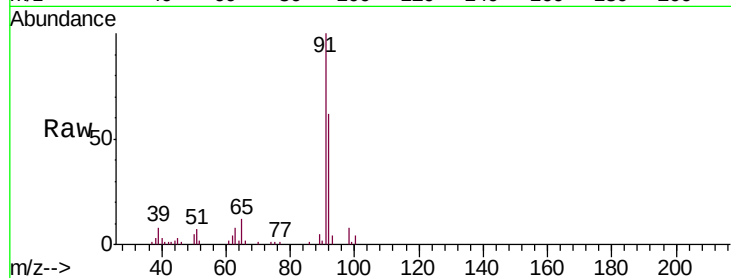
MDL03

Tgt Ion: 91 Resp: 25389

Ion Ratio Lower Upper

91 100

92 62.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 2.962 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033503.D

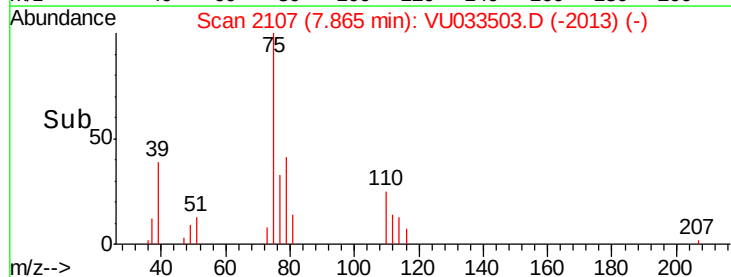
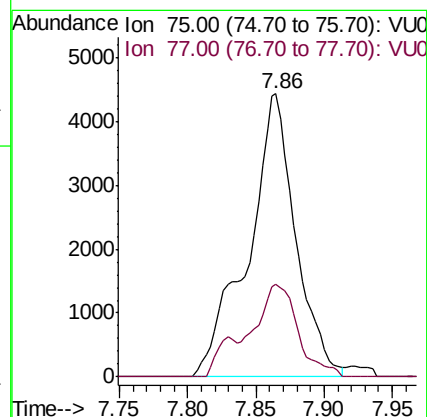
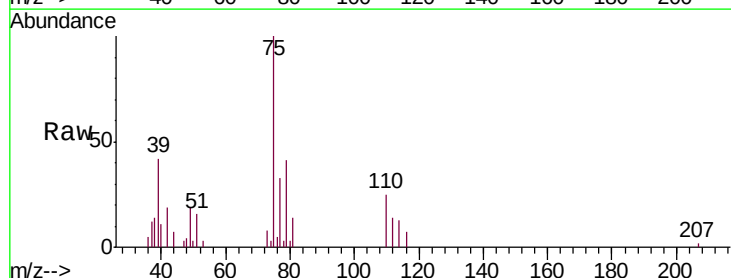
Acq: 30 Jul 2019 19:34

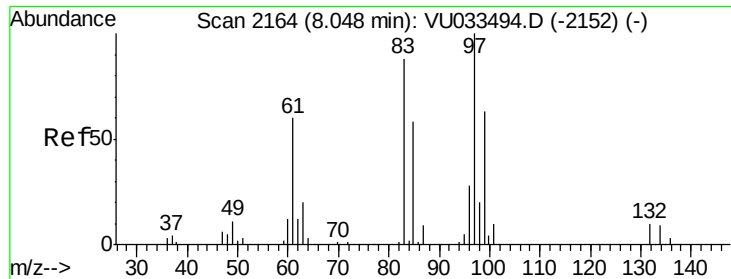
Tgt Ion: 75 Resp: 10753

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1

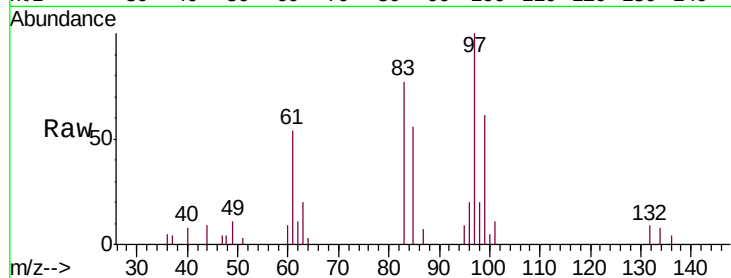




#45
 1,1,2-Trichloroethane
 Concen: 2.498 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:	97	Resp:	6103
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.4	82.4
83	77.2	61.5	114.1
85	56.0	40.4	75.0



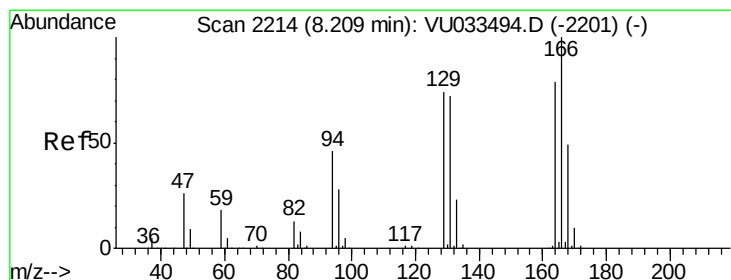
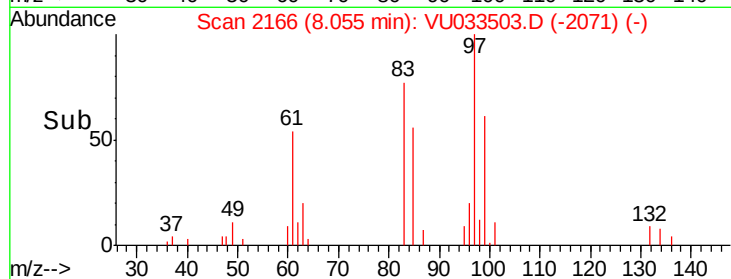
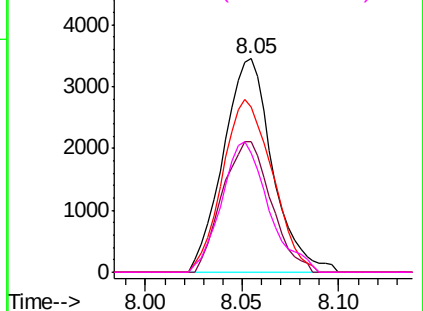
Abundance

Ion 97.00 (96.70 to 97.70): VU033503.D (-2164) (-)

Ion 99.00 (98.70 to 99.70): VU033503.D (-2164) (-)

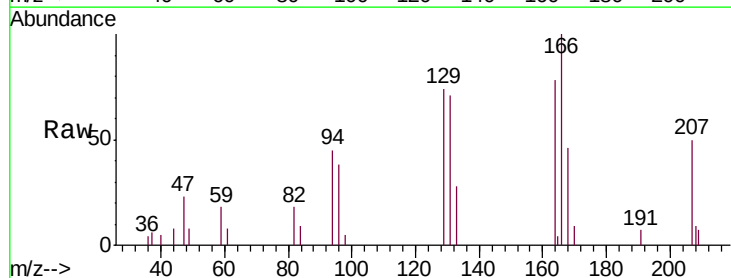
Ion 83.00 (82.70 to 83.70): VU033503.D (-2164) (-)

Ion 85.00 (84.70 to 85.70): VU033503.D (-2164) (-)



#46
 Tetrachloroethene
 Concen: 2.529 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Tgt Ion:	164	Resp:	5236
Ion	Ratio	Lower	Upper
164	100		
129	94.3	65.5	121.7
131	90.7	63.3	117.7
166	127.7	88.2	163.8



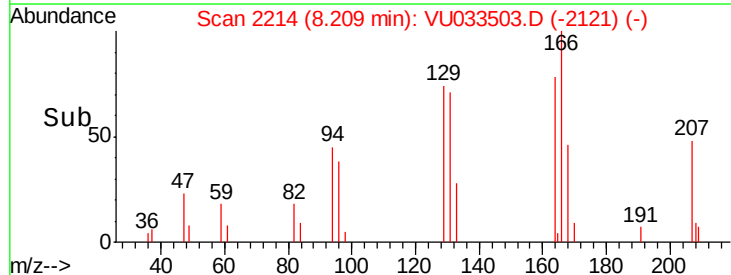
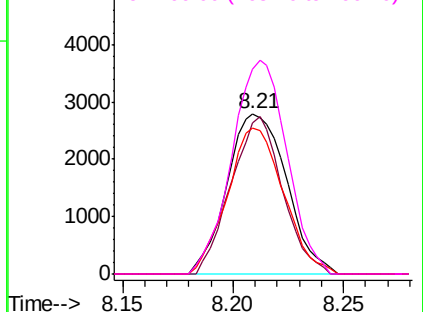
Abundance

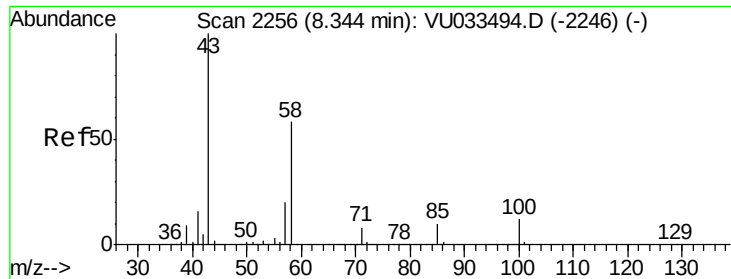
Ion 164.00 (163.70 to 164.70): VU033503.D (-2214) (-)

Ion 129.00 (128.70 to 129.70): VU033503.D (-2214) (-)

Ion 131.00 (130.70 to 131.70): VU033503.D (-2214) (-)

Ion 166.00 (165.70 to 166.70): VU033503.D (-2214) (-)

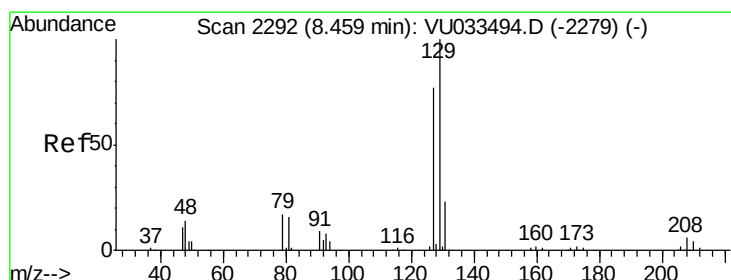
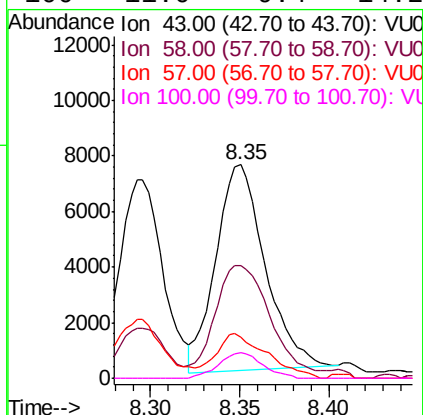
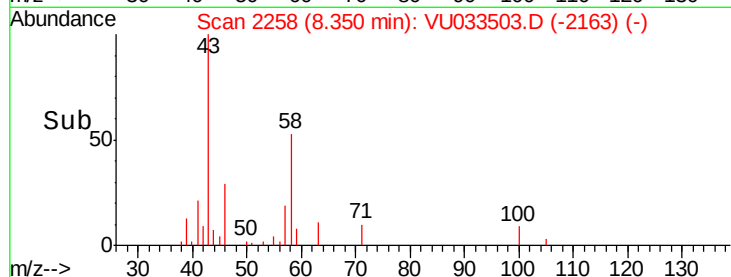
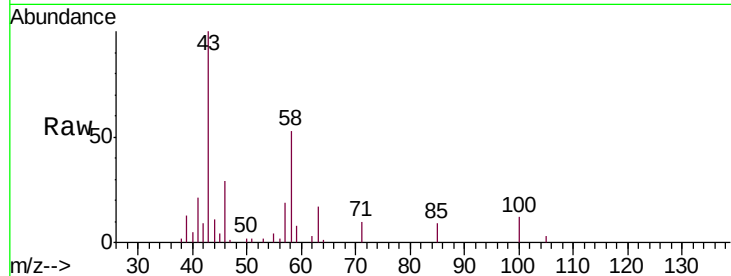




#48
2-Hexanone
Concen: 4.935 ug/L
RT: 8.35 min Scan# 2256
Delta R.T. 0.01 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

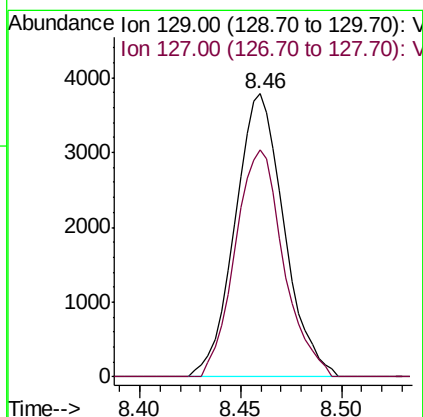
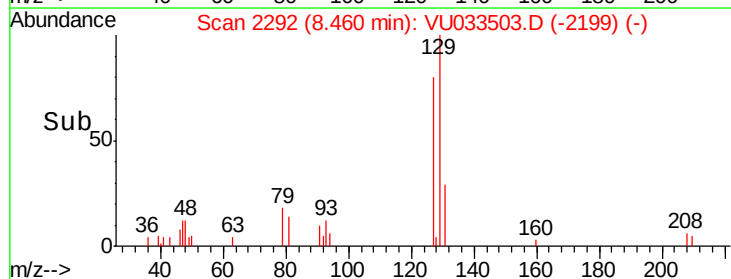
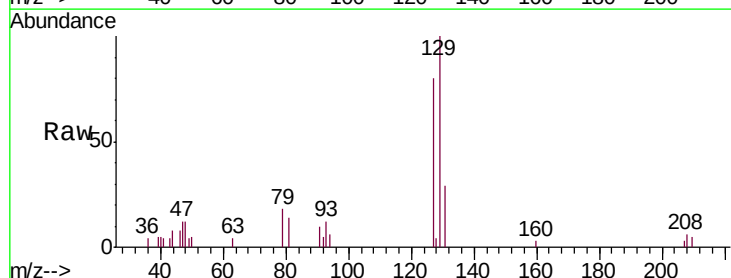
Instrument :
MSVOA_U
ClientSampleId :
MDL03

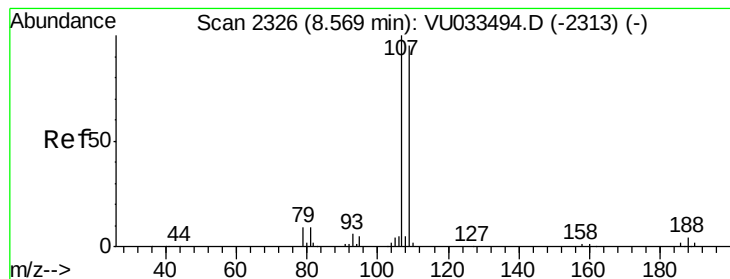
Tgt Ion: 43 Resp: 14174
Ion Ratio Lower Upper
43 100
58 56.6 45.8 68.6
57 22.8 15.8 23.6
100 11.0 9.4 14.2



#49
Dibromochloromethane
Concen: 2.320 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

Tgt Ion: 129 Resp: 6449
Ion Ratio Lower Upper
129 100
127 80.3 53.8 99.8





#50

1,2-Dibromoethane

Concen: 2.408 ug/L

RT: 8.58 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

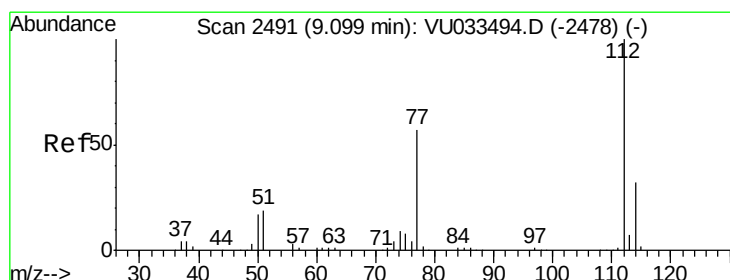
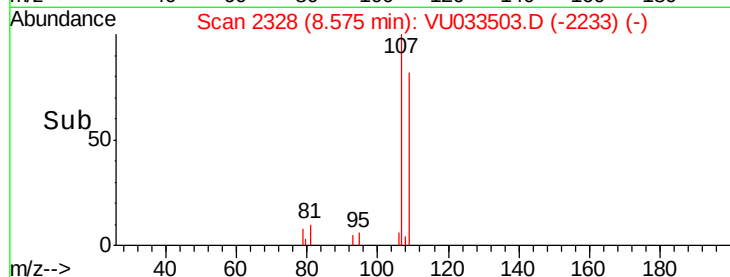
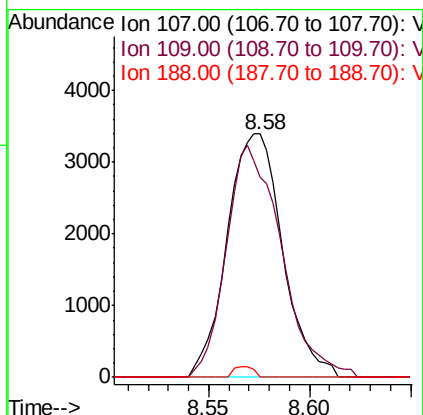
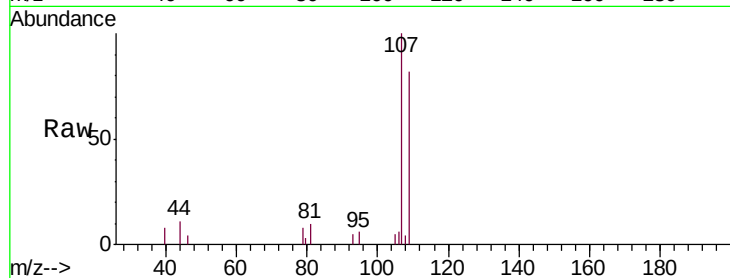
Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion:	107	Resp:	6515
Ion	Ratio	Lower	Upper
107	100		
109	82.1	66.8	124.0
188	0.0	3.0	4.4#



#51

Chlorobenzene

Concen: 2.539 ug/L

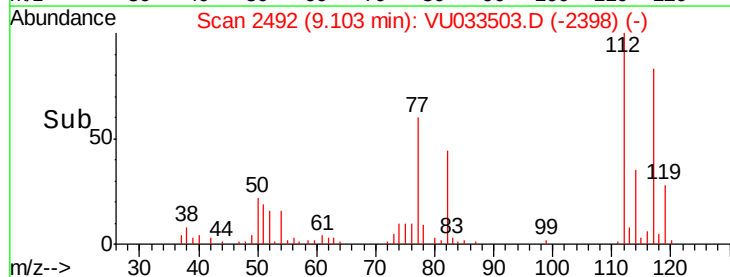
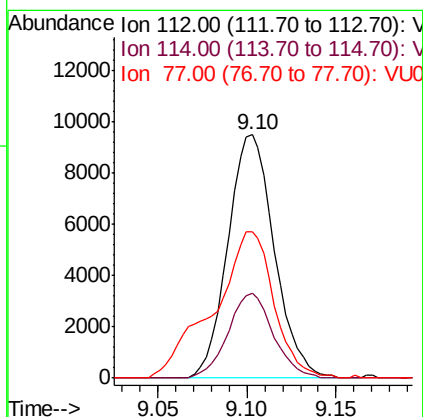
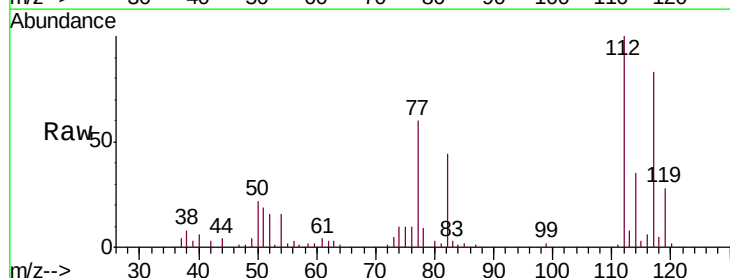
RT: 9.10 min Scan# 2492

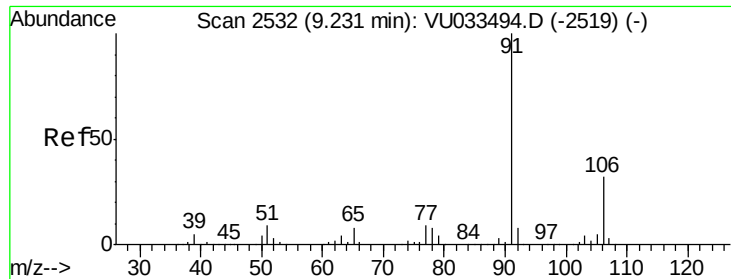
Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Tgt Ion:	112	Resp:	17182
Ion	Ratio	Lower	Upper
112	100		
114	34.8	22.3	41.5
77	60.3	45.6	68.4





#52

Ethylbenzene

Concen: 2.211 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

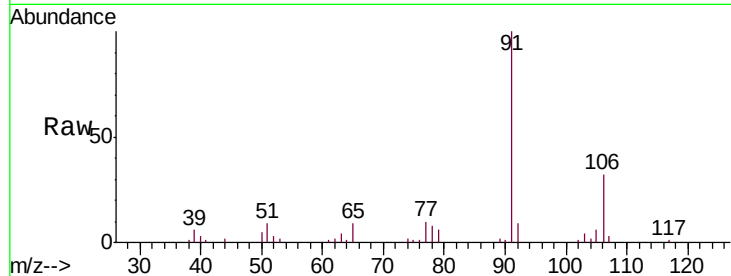
MDL03

Tgt Ion: 91 Resp: 24614

Ion Ratio Lower Upper

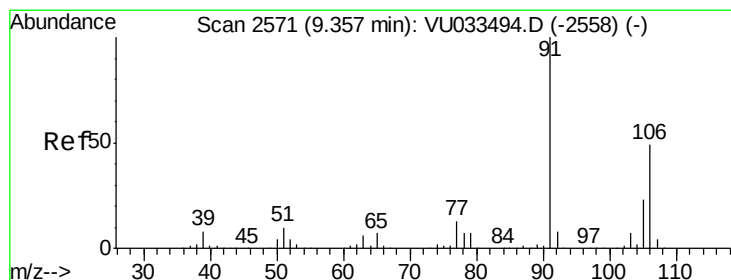
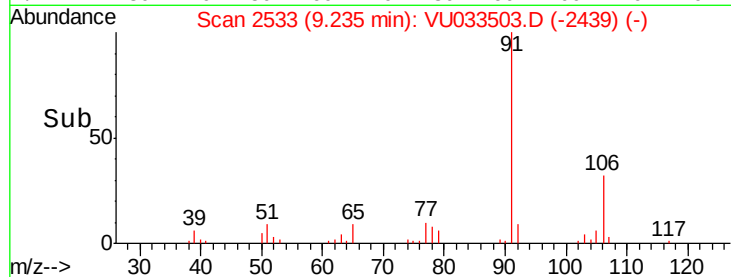
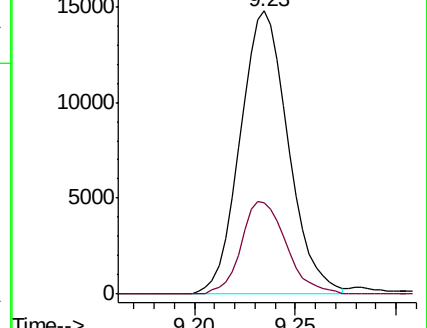
91 100

106 32.3 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VU033494.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033494.D (-2519) (-)



#53

m,p-Xylene

Concen: 2.201 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033503.D

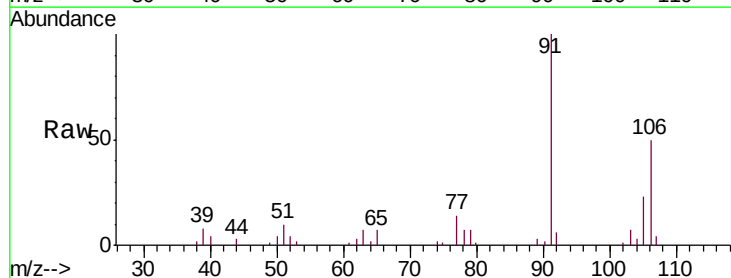
Acq: 30 Jul 2019 19:34

Tgt Ion: 106 Resp: 9406

Ion Ratio Lower Upper

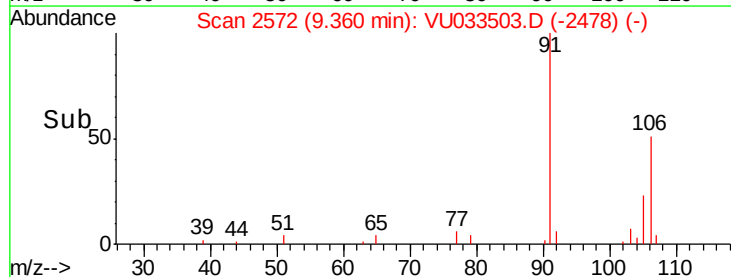
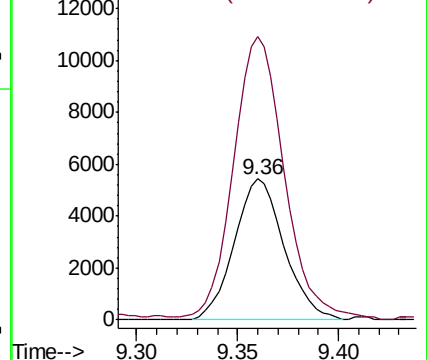
106 100

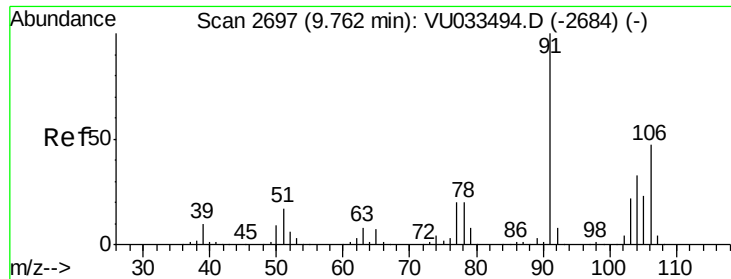
91 200.8 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU033494.D (-2558) (-)

Ion 91.00 (90.70 to 91.70): VU033494.D (-2558) (-)

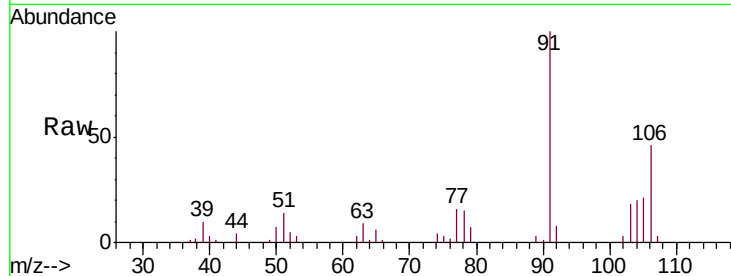




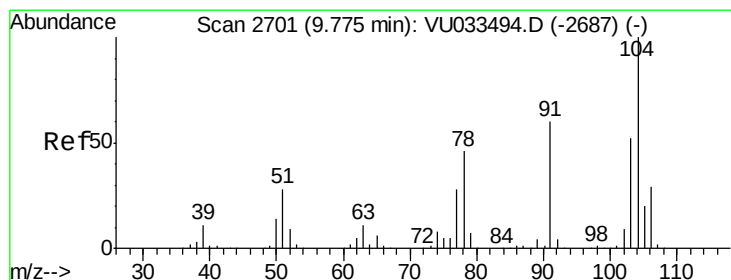
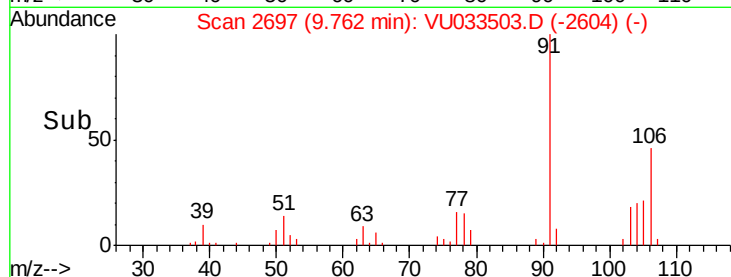
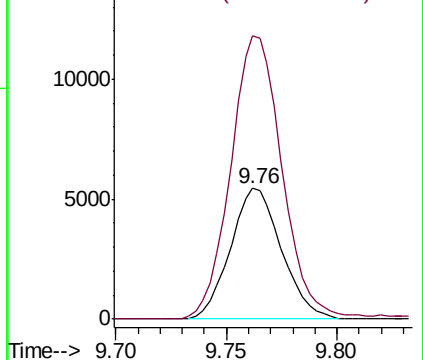
#54
o-xylene
Concen: 2.108 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion:106 Resp: 8738
Ion Ratio Lower Upper
106 100
91 216.3 148.4 275.6

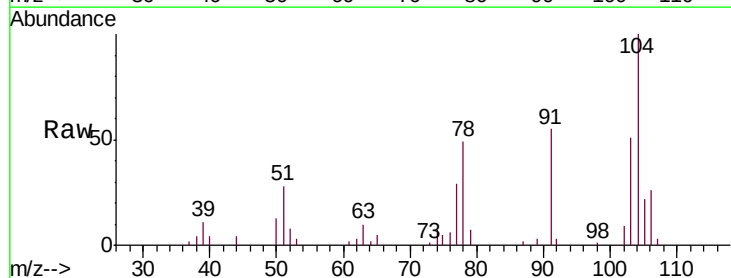


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

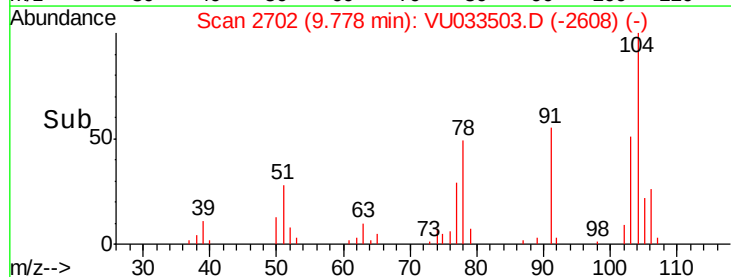
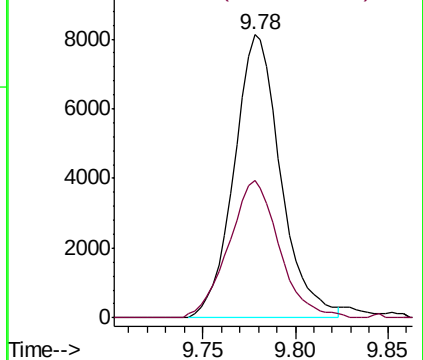


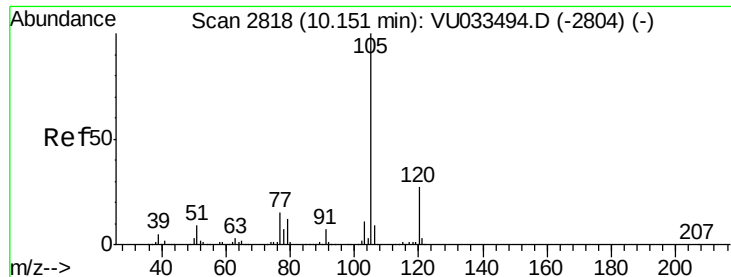
#55
Styrene
Concen: 2.017 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033503.D
Acq: 30 Jul 2019 19:34

Tgt Ion:104 Resp: 14201
Ion Ratio Lower Upper
104 100
78 48.5 32.2 59.8



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





#56

Isopropylbenzene

Concen: 2.088 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL03

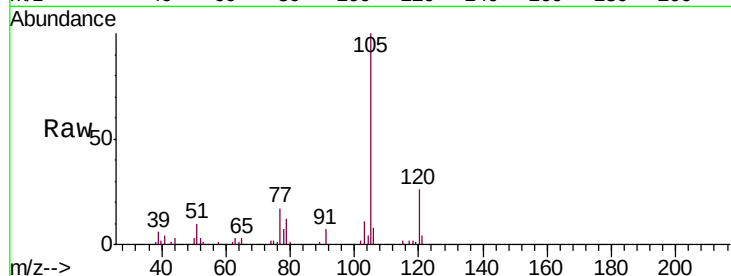
Tgt Ion: 105 Resp: 22612

Ion Ratio Lower Upper

105 100

120 25.1 21.4 32.0

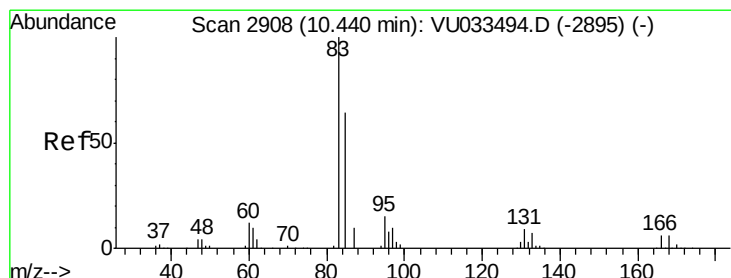
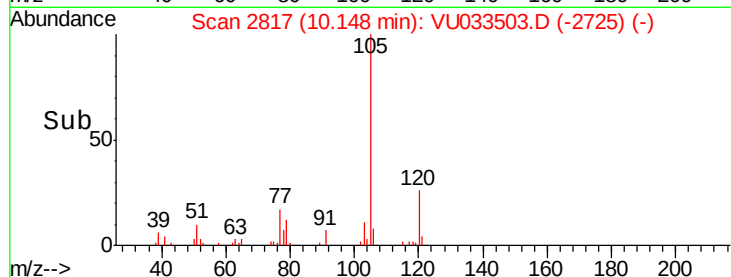
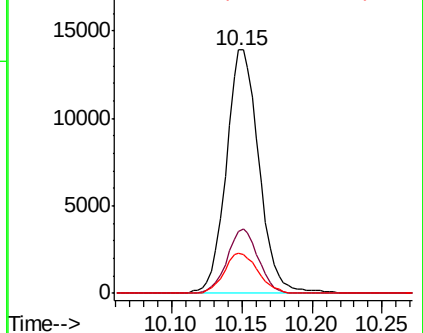
77 16.8 12.5 18.7



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: 2.631 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

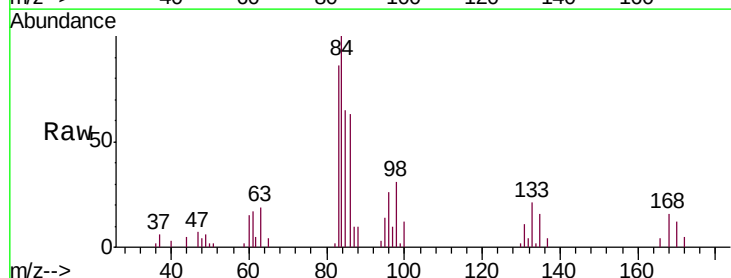
Tgt Ion: 83 Resp: 11592

Ion Ratio Lower Upper

83 100

85 74.8 45.4 84.4

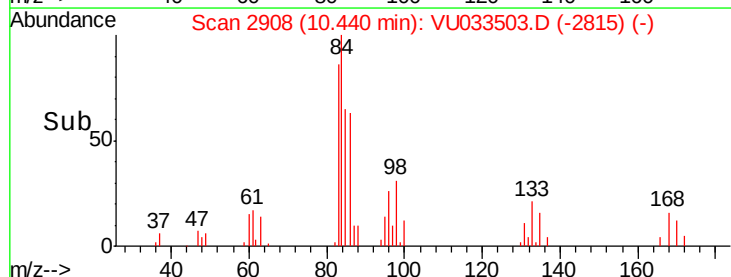
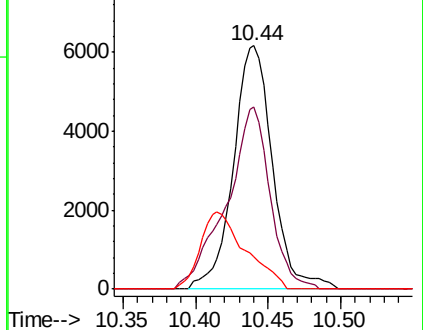
131 13.1 7.9 11.9#

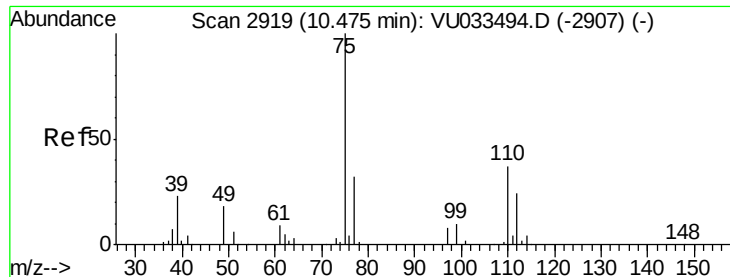


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

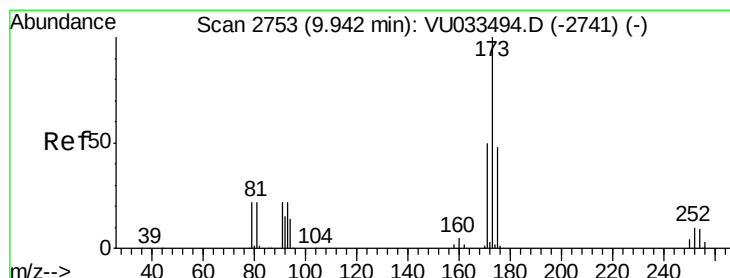
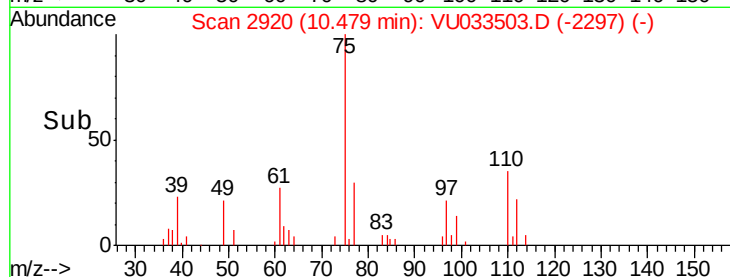
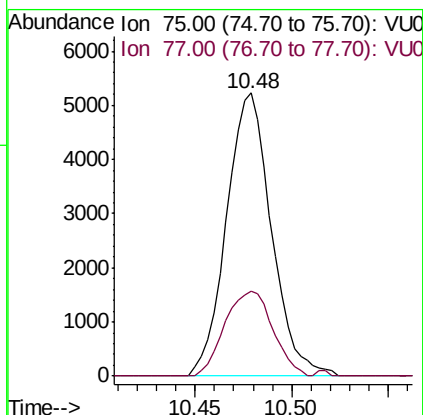
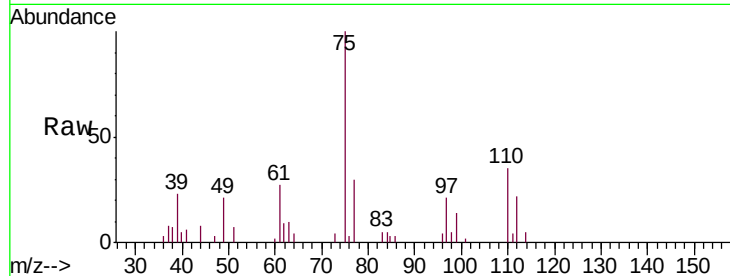




#59
 1,2,3-Trichloropropane
 Concen: 2.481 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

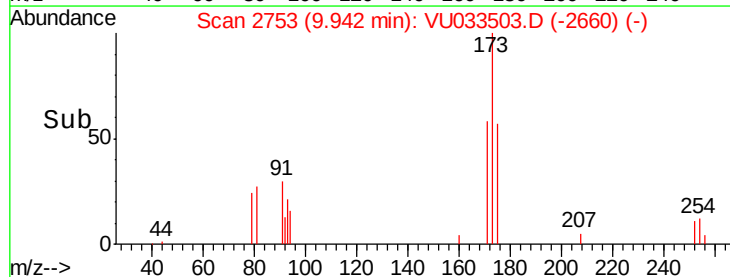
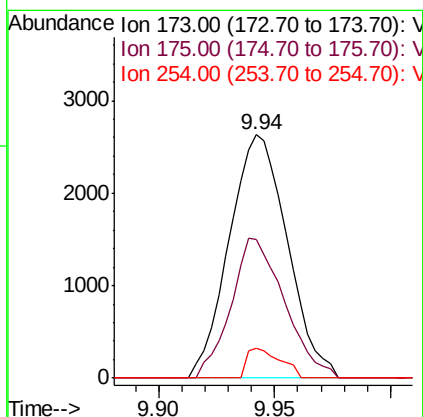
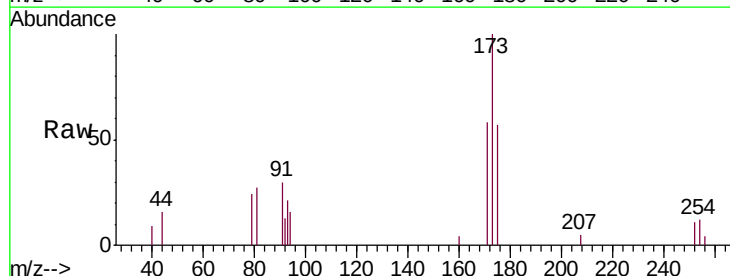
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL03

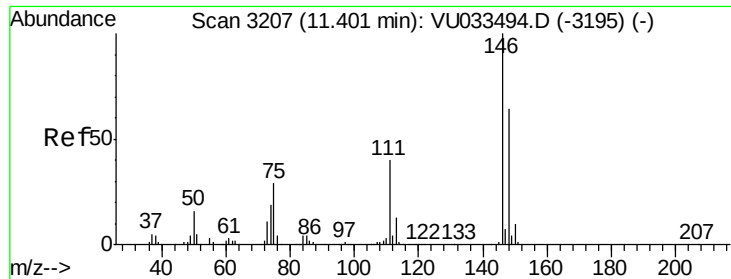
Tgt Ion: 75 Resp: 8428
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.6



#61
 Bromoform
 Concen: 2.295 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Tgt Ion: 173 Resp: 4578
 Ion Ratio Lower Upper
 173 100
 175 52.8 38.7 58.1
 254 7.0 7.5 11.3#





#62

1,3-Dichlorobenzene

Concen: 2.537 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL03

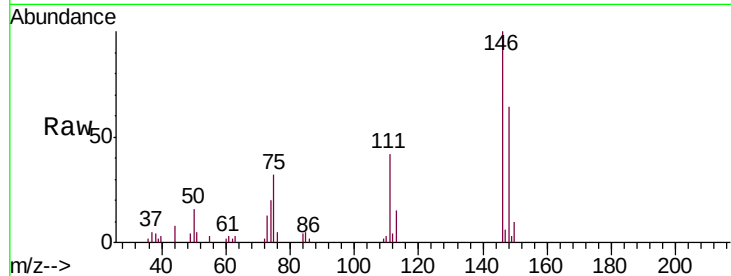
Tgt Ion:146 Resp: 12863

Ion Ratio Lower Upper

146 100

111 42.2 28.1 52.1

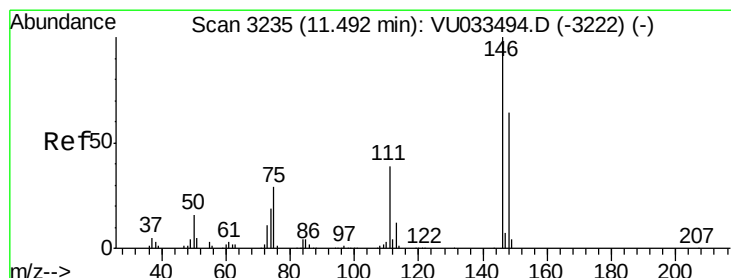
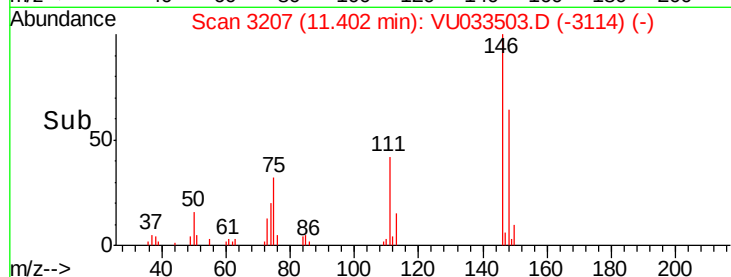
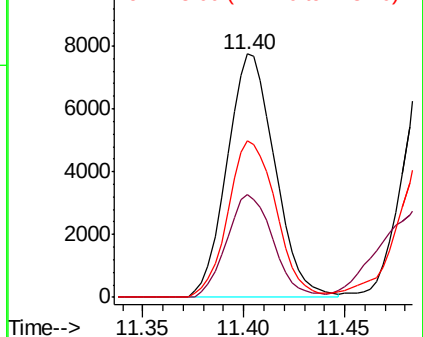
148 64.2 45.0 83.6



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: 2.615 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

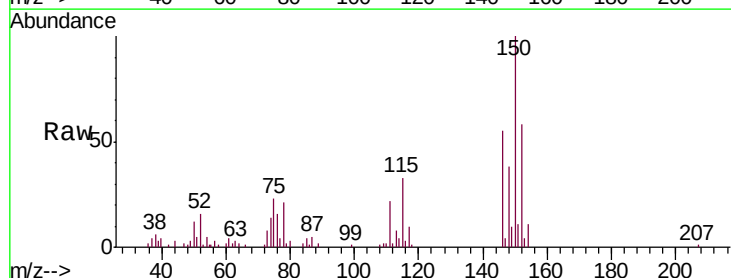
Tgt Ion:146 Resp: 13779

Ion Ratio Lower Upper

146 100

111 40.9 27.2 50.4

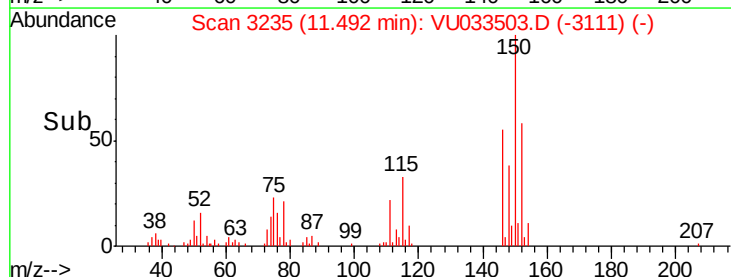
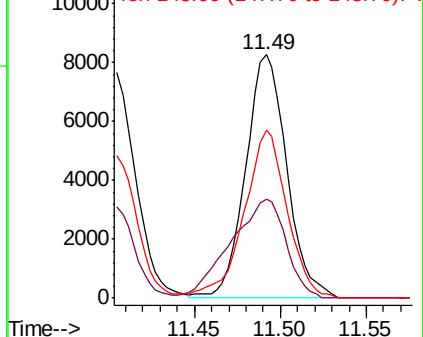
148 68.8 44.5 82.7

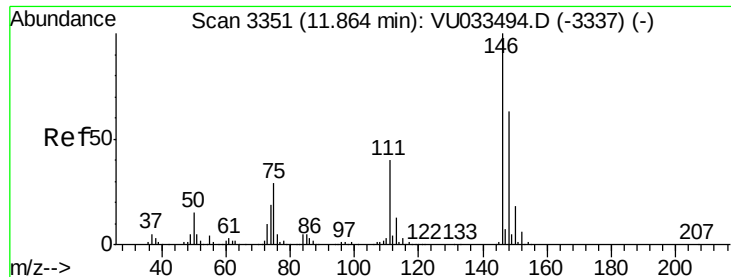


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.724 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampled :

MDL03

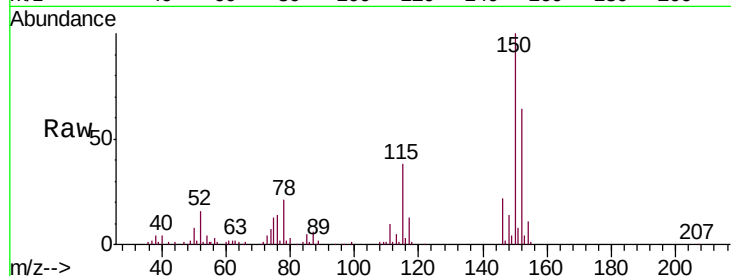
Tgt Ion: 146 Resp: 13966

Ion Ratio Lower Upper

146 100

111 45.9 31.7 47.5

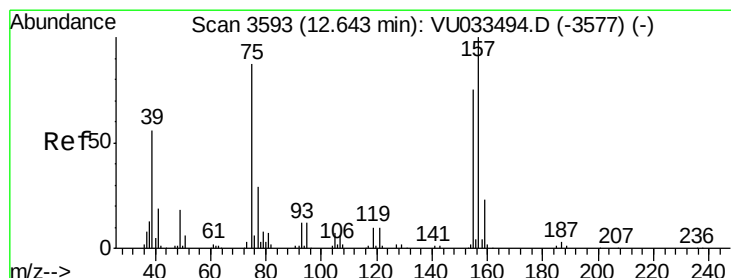
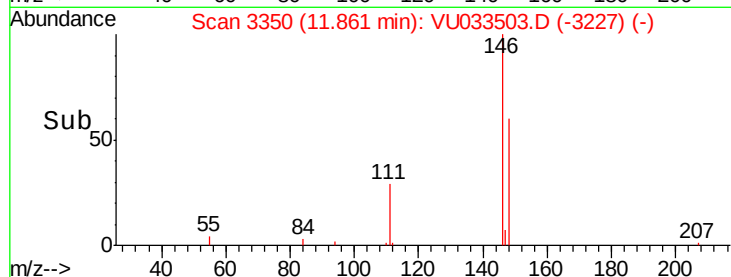
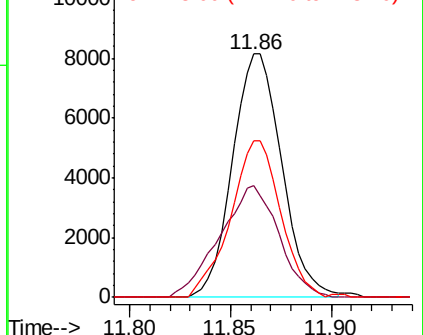
148 64.4 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 2.431 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. 0.01 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

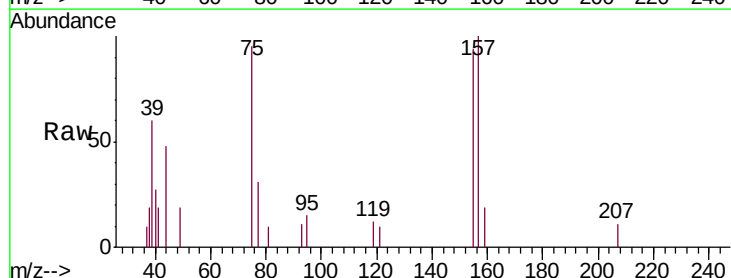
Tgt Ion: 75 Resp: 2303

Ion Ratio Lower Upper

75 100

155 98.5 69.4 104.0

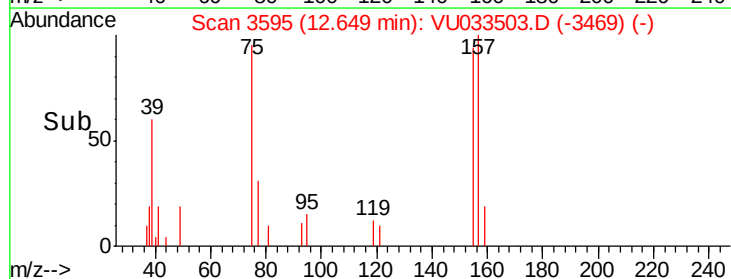
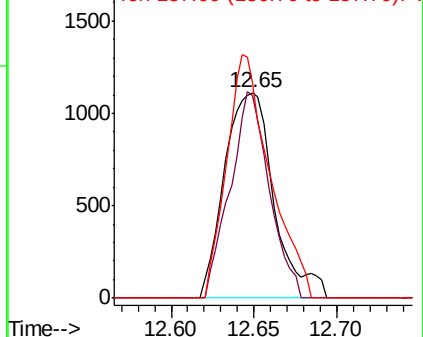
157 105.0 91.8 137.8

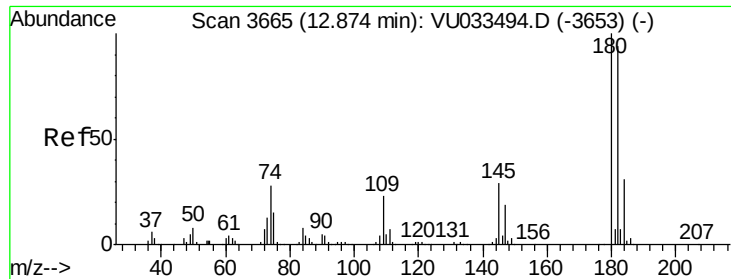


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

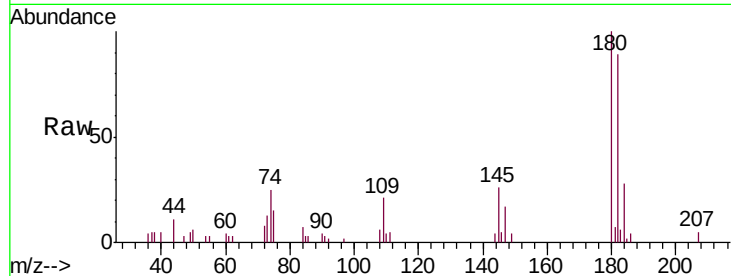




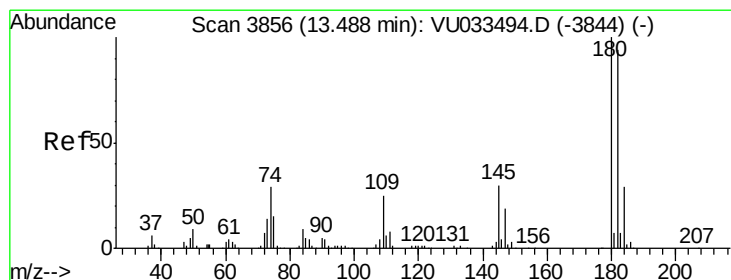
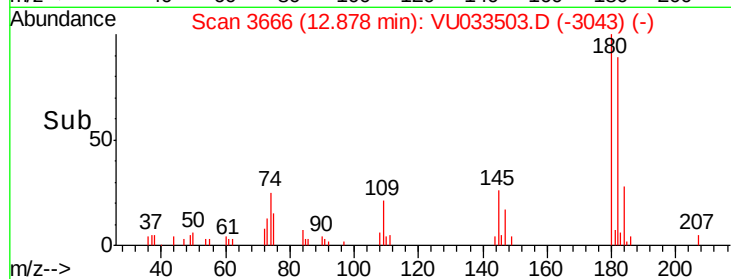
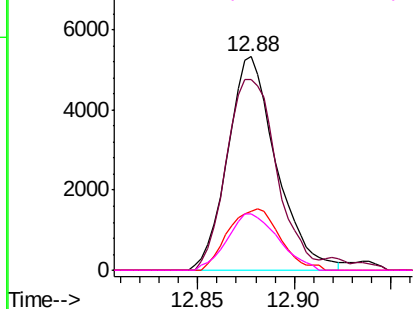
#67
 1,3,5-Trichlorobenzene
 Concen: 2.281 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 9333
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.6 113.4
 184 30.3 24.2 36.2
 145 27.8 22.7 34.1

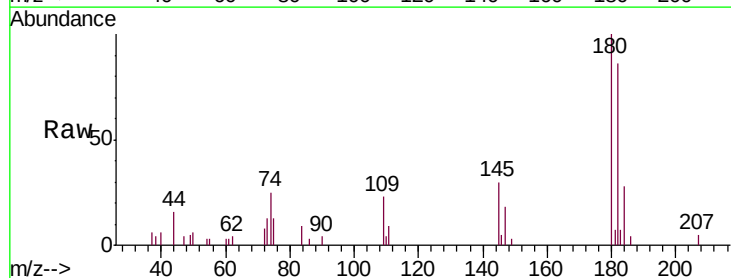


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

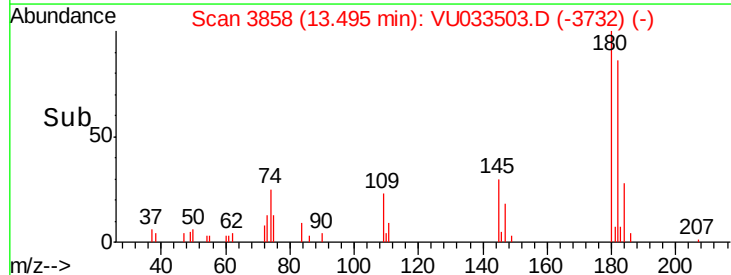
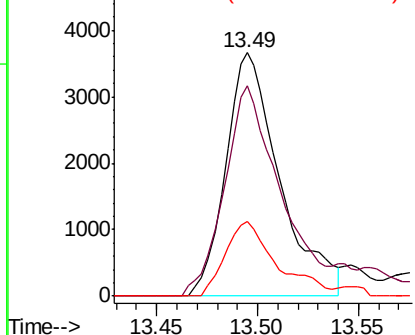


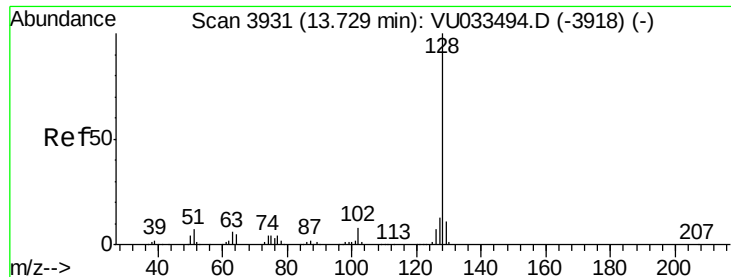
#68
 1,2,4-trichlorobenzene
 Concen: 1.963 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033503.D
 Acq: 30 Jul 2019 19:34

Tgt Ion:180 Resp: 6862
 Ion Ratio Lower Upper
 180 100
 182 89.3 75.8 113.8
 145 25.2 24.3 36.5



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: 1.558 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL03

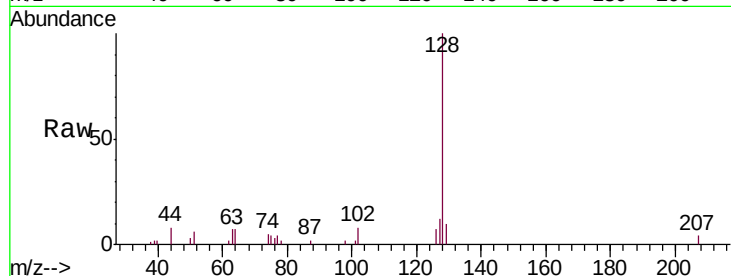
Tgt Ion:128 Resp: 15621

Ion Ratio Lower Upper

128 100

127 11.2 10.8 16.2

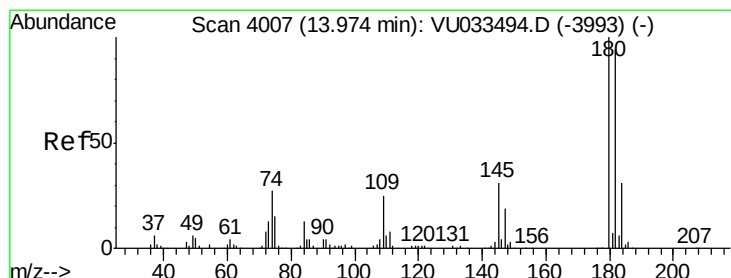
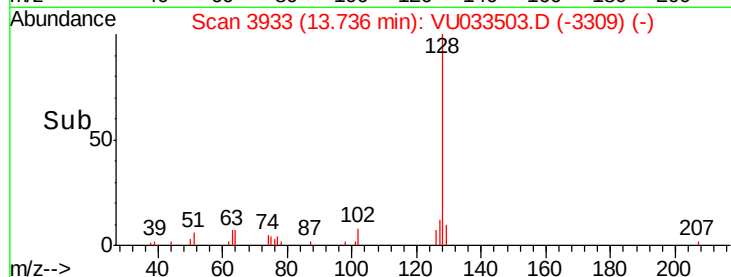
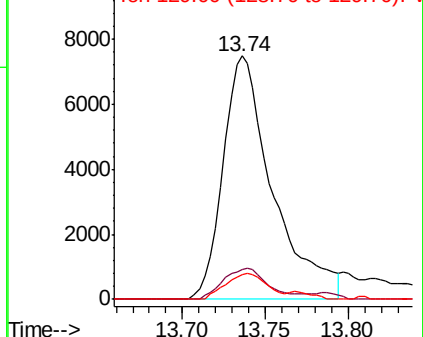
129 8.8 8.7 13.1



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: 1.948 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.01 min

Lab File: VU033503.D

Acq: 30 Jul 2019 19:34

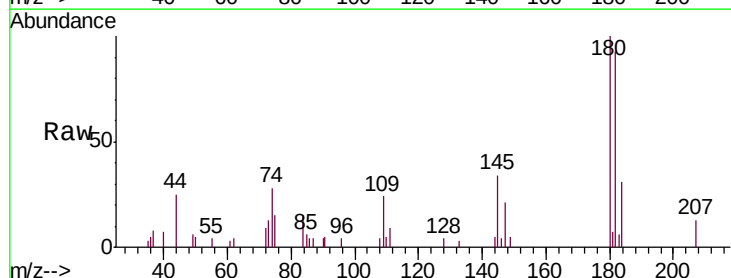
Tgt Ion:180 Resp: 7160

Ion Ratio Lower Upper

180 100

182 91.8 75.5 113.3

145 28.1 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

