

Data File : VU033541.D
Acq On : 01 Aug 2019 11:17
Operator : JC/SP
Sample : MDL04
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Aug 02 01:53:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	298224	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	293230	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	143011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102120	47.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.20%
7) Chloroethane-d5	1.67	69	102809	55.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.52%
11) 1,1-Dichloroethene-d2	2.26	63	139147	35.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.72%
21) 2-Butanone-d5	4.16	46	169083	117.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.74%
24) Chloroform-d	4.62	84	188737	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.86%
26) 1,2-Dichloroethane-d4	5.29	65	125658	54.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.18%
32) Benzene-d6	5.32	84	381883	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.08%
36) 1,2-Dichloropropane-d6	6.31	67	122280	53.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.32%
41) Toluene-d8	7.55	98	344706	50.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.22%
43) trans-1,3-Dichloropropene-	7.83	79	57471	50.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.68%
47) 2-Hexanone-d5	8.30	63	121675	112.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.47%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	187426	53.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.68%
64) 1,2-Dichlorobenzene-d4	11.85	152	140549	53.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.34%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	8842	3.144 ug/L	98
3) Chloromethane	1.32	50	9124	3.221 ug/L	93
5) Vinyl chloride	1.40	62	9623	3.169 ug/L #	80
6) Bromomethane	1.62	94	6285	2.346 ug/L	99
8) Chloroethane	1.69	64	7203	3.903 ug/L	94
9) Trichlorofluoromethane	1.87	101	12366	3.113 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7701	3.824 ug/L	85
12) 1,1-Dichloroethene	2.27	96	6975	3.612 ug/L #	1
13) Acetone	2.32	43	9592	6.528 ug/L	93
14) Carbon disulfide	2.46	76	17966	2.966 ug/L	99
16) Methylene chloride	2.69	84	7311	3.314 ug/L	87
17) trans-1,2-Dichloroethene	2.97	96	5705	2.820 ug/L	82
18) Methyl tert-butyl Ether	2.98	73	17748	2.876 ug/L	98
19) 1,1-Dichloroethane	3.43	63	11790	3.104 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	6833	3.009 ug/L	81
22) 2-Butanone	4.26	43	8422	4.801 ug/L #	66
23) Bromochloromethane	4.53	128	3646	3.077 ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	16525	4.135	ug/L	99
27) 1,2-Dichloroethane	5.39	62	10584	3.439	ug/L	99
29) Cyclohexane	4.97	56	8618	2.694	ug/L	93
30) 1,1,1-Trichloroethane	4.89	97	10510	3.115	ug/L	98
31) Carbon tetrachloride	5.11	117	8689	2.957	ug/L	99
33) Benzene	5.37	78	25691	3.037	ug/L	100
34) Trichloroethene	6.17	95	7332	3.286	ug/L	89
35) Methylcyclohexane	6.40	83	9631	2.766	ug/L	98
37) 1,2-Dichloropropane	6.41	63	3521	1.555	ug/L #	94
38) Bromodichloromethane	6.74	83	8709	2.975	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	9923	2.808	ug/L	92
40) 4-Methyl-2-pentanone	7.45	43	17495	5.596	ug/L	98
42) Toluene	7.62	91	28341	3.116	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	10249	3.209	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	6870	3.196	ug/L	97
46) Tetrachloroethene	8.21	164	5216	2.863	ug/L	92
48) 2-Hexanone	8.35	43	16805	6.650	ug/L	99
49) Dibromochloromethane	8.46	129	7450	3.046	ug/L	99
50) 1,2-Dibromoethane	8.57	107	7140	2.999	ug/L	94
51) Chlorobenzene	9.10	112	18499	3.106	ug/L	99
52) Ethylbenzene	9.23	91	27137	2.771	ug/L	97
53) m,p-Xylene	9.36	106	9937	2.643	ug/L	99
54) o-xylene	9.76	106	9687	2.656	ug/L	96
55) Styrene	9.78	104	14535	2.346	ug/L	99
56) Isopropylbenzene	10.15	105	24137	2.533	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	12423	3.204	ug/L #	93
59) 1,2,3-Trichloropropane	10.48	75	8972	3.002	ug/L	95
61) Bromoform	9.94	173	5292	3.063	ug/L #	94
62) 1,3-Dichlorobenzene	11.40	146	13384	3.047	ug/L	94
63) 1,4-Dichlorobenzene	11.49	146	14357	3.146	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	14715	3.314	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	2591	3.158	ug/L #	80
67) 1,3,5-Trichlorobenzene	12.87	180	9711	2.741	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	6786	2.241	ug/L	96
69) Naphthalene	13.74	128	15101	1.738	ug/L	95
70) 1,2,3-Trichlorobenzene	13.98	180	7472	2.347	ug/L	88

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

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ClientSampleId :
MDL04

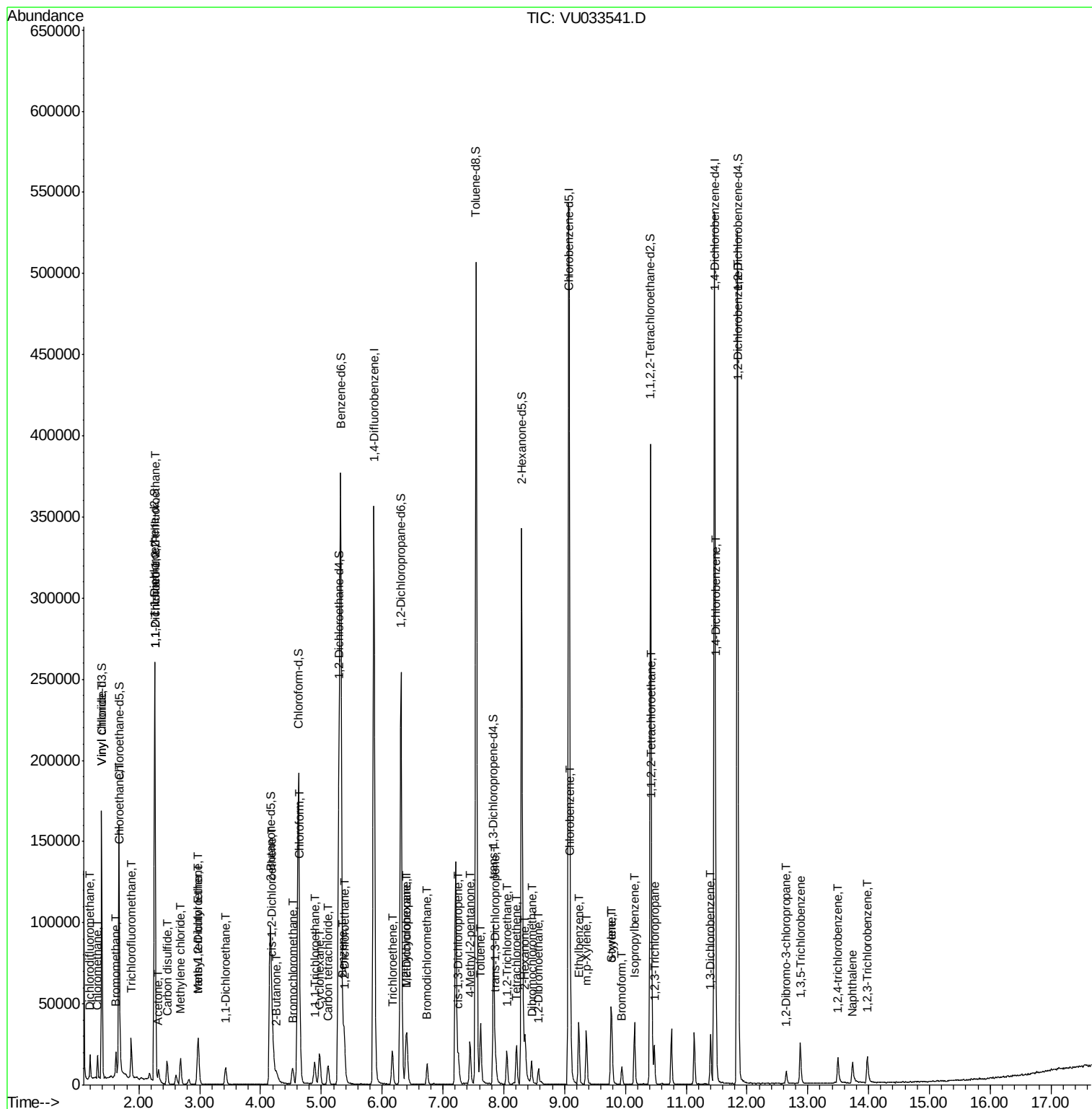
Quant Time: Aug 02 01:53:59 2019

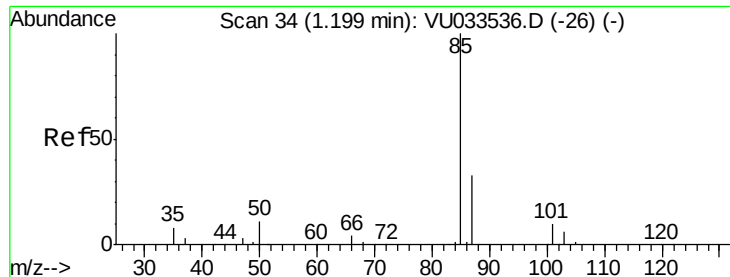
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM073119WMA.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 3.144 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

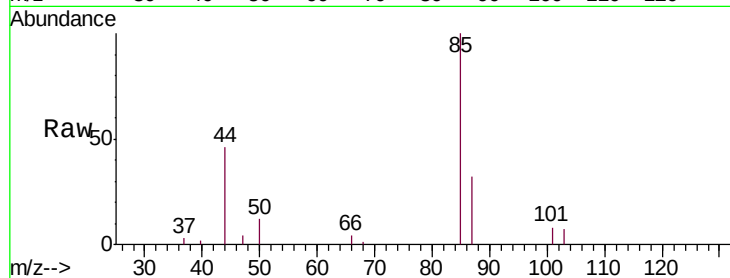
MDL04

Tgt Ion: 85 Resp: 8842

Ion Ratio Lower Upper

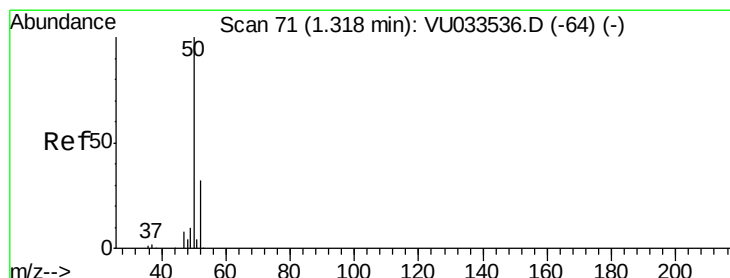
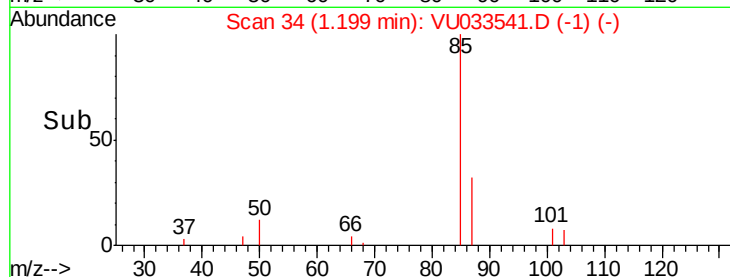
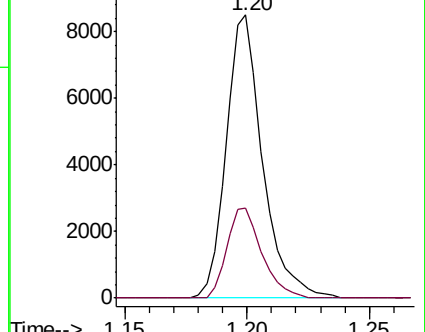
85 100

87 30.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033536.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033536.D (-26) (-)



#3

Chloromethane

Concen: 3.221 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033541.D

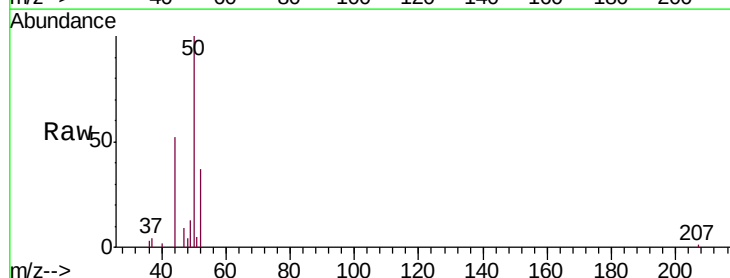
Acq: 01 Aug 2019 11:17

Tgt Ion: 50 Resp: 9124

Ion Ratio Lower Upper

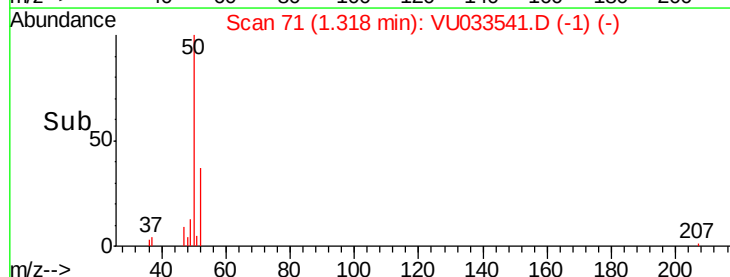
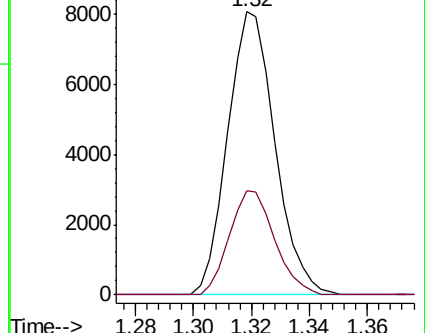
50 100

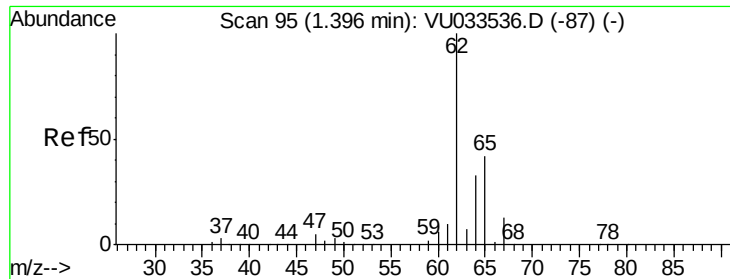
52 36.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033536.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033536.D (-64) (-)





#5

Vinyl chloride

Concen: 3.169 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

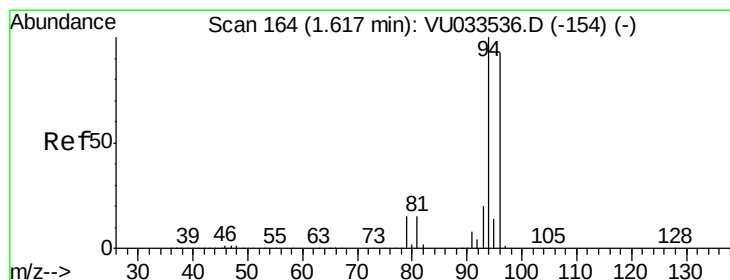
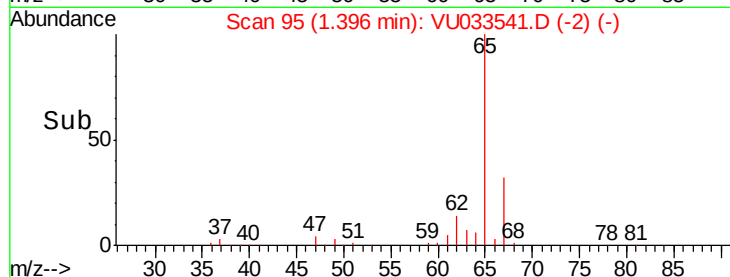
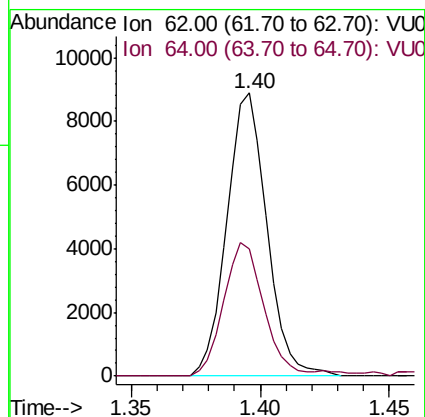
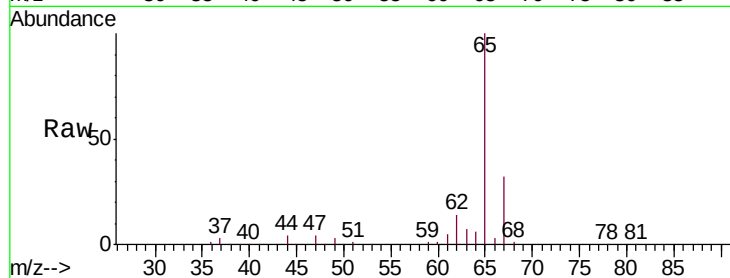
MDL04

Tgt Ion: 62 Resp: 9623

Ion Ratio Lower Upper

62 100

64 44.8 23.4 43.4#



#6

Bromomethane

Concen: 2.346 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033541.D

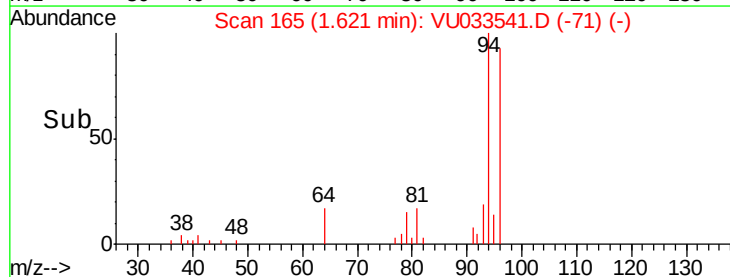
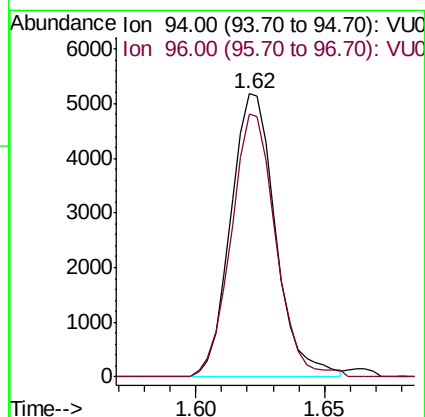
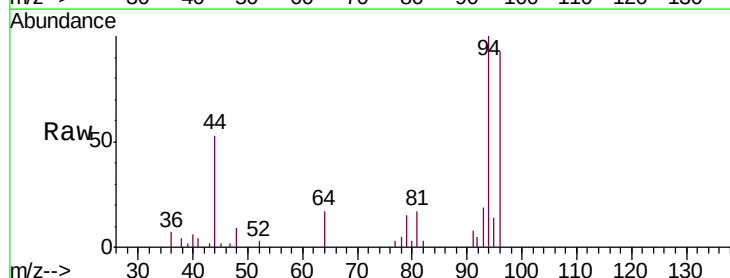
Acq: 01 Aug 2019 11:17

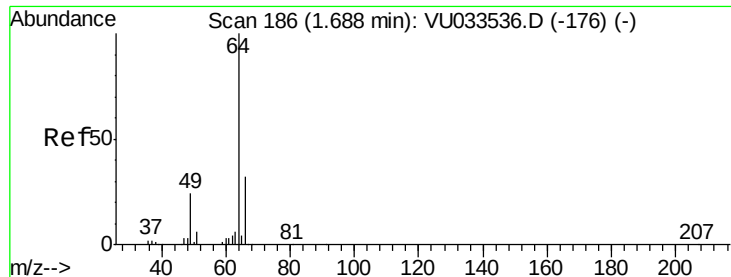
Tgt Ion: 94 Resp: 6285

Ion Ratio Lower Upper

94 100

96 93.1 64.4 119.6





#8

Chloroethane

Concen: 3.903 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

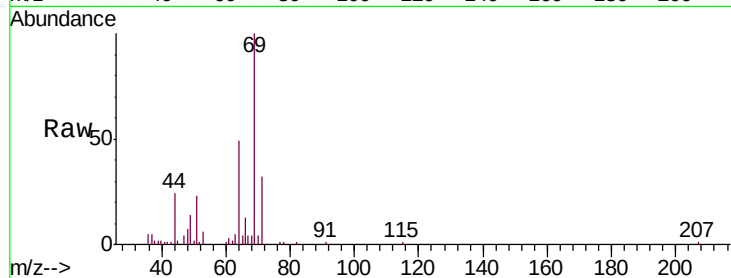
MDL04

Tgt Ion: 64 Resp: 7203

Ion Ratio Lower Upper

64 100

66 27.0 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VU033536.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033536.D (-176) (-)

1.69

6000

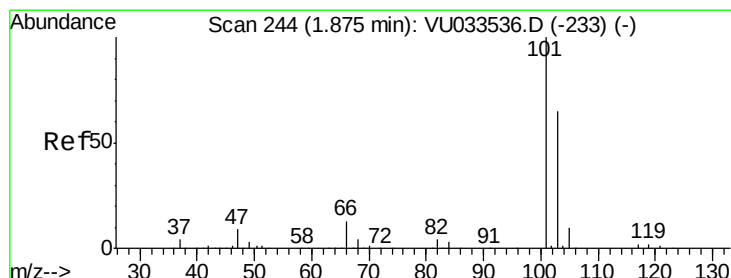
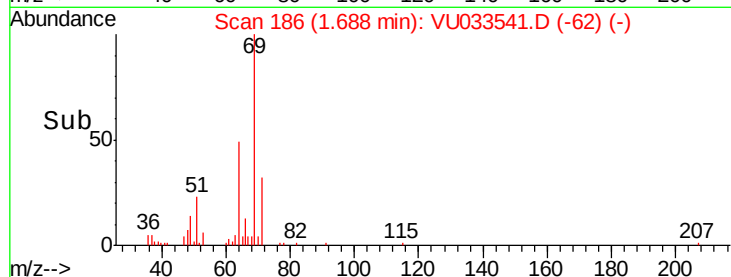
4000

2000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 3.113 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033541.D

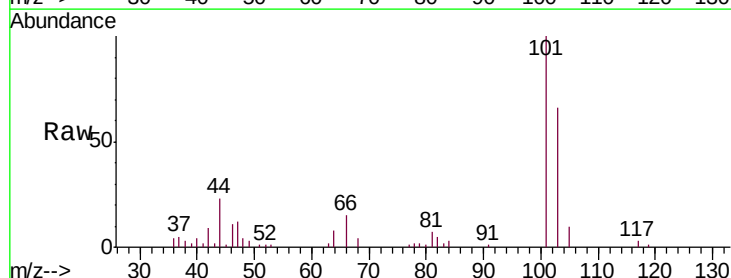
Acq: 01 Aug 2019 11:17

Tgt Ion: 101 Resp: 12366

Ion Ratio Lower Upper

101 100

103 64.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU033536.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033536.D (-233) (-)

1.87

10000

8000

6000

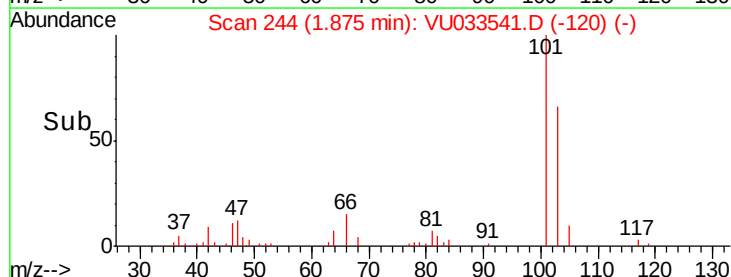
4000

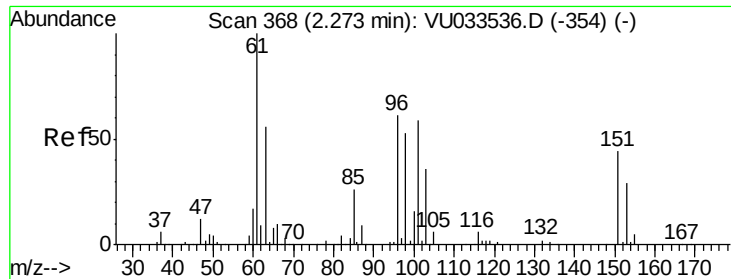
2000

0

1.85 1.90

Time-->





#10

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

Concen: 3.824 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampled :

MDL04

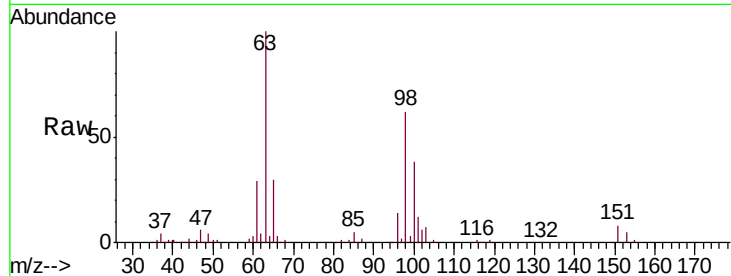
Tgt Ion:101 Resp: 7701

Ion Ratio Lower Upper

101 100

85 37.2 35.8 53.8

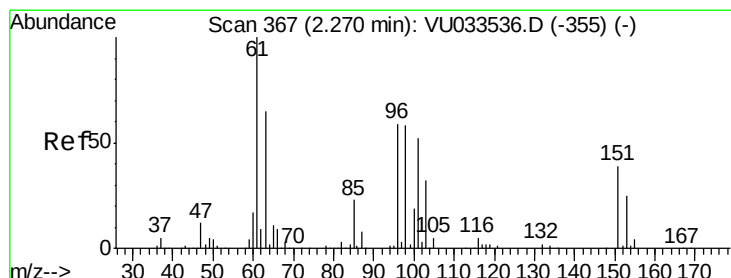
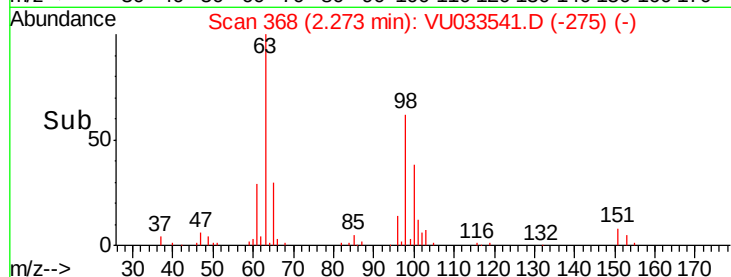
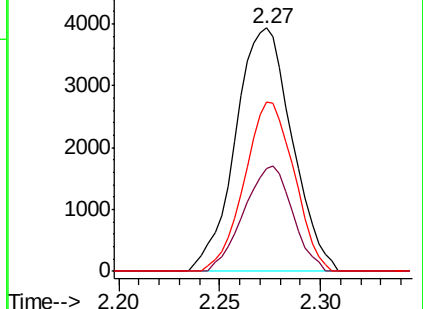
151 61.1 60.1 90.1



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: 3.612 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

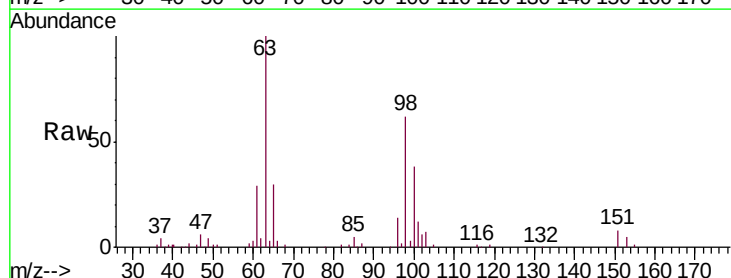
Tgt Ion: 96 Resp: 6975

Ion Ratio Lower Upper

96 100

61 217.8 119.3 221.5

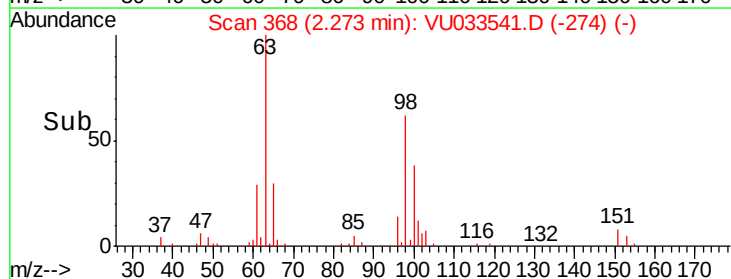
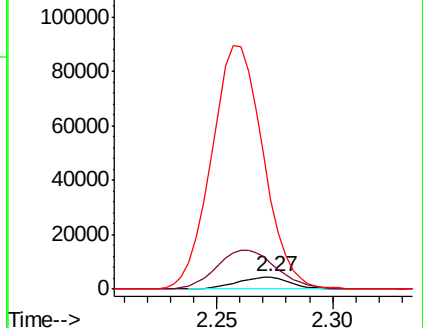
63 740.2 86.6 160.8#

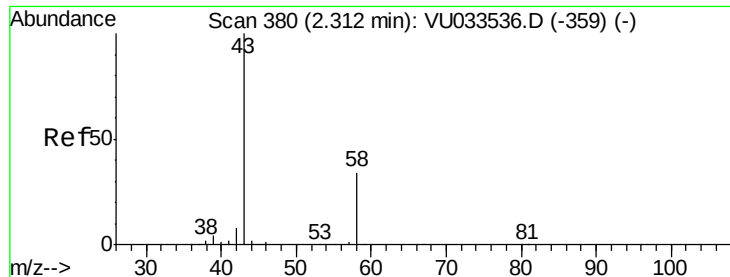


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.528 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

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Acq: 01 Aug 2019 11:17

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ClientSampleId :

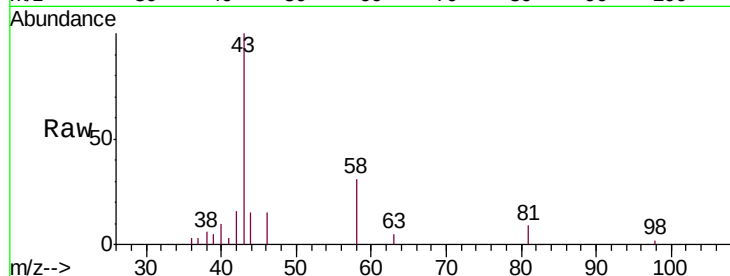
MDL04

Tgt Ion: 43 Resp: 9592

Ion Ratio Lower Upper

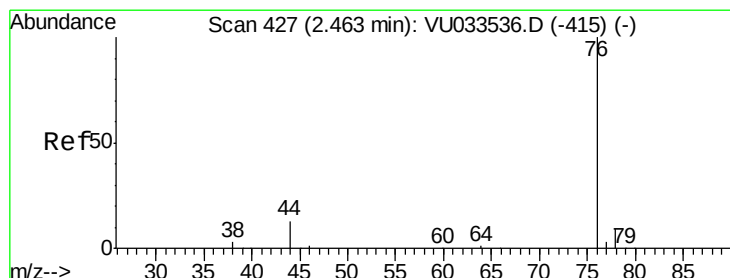
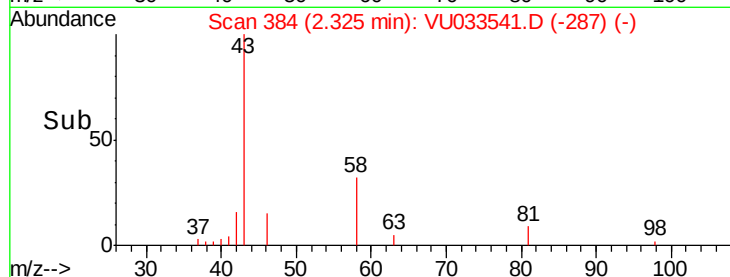
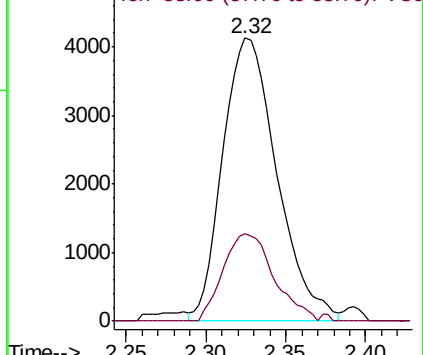
43 100

58 29.0 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU033536.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU033536.D (-359) (-)



#14

Carbon disulfide

Concen: 2.966 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033541.D

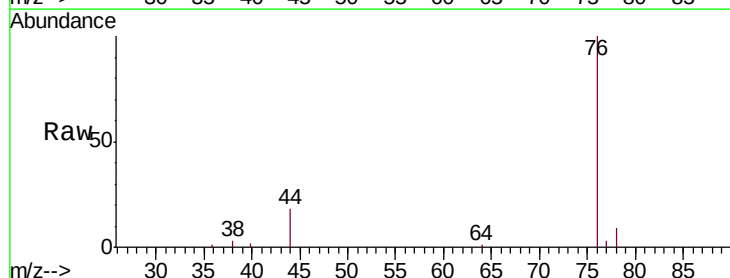
Acq: 01 Aug 2019 11:17

Tgt Ion: 76 Resp: 17966

Ion Ratio Lower Upper

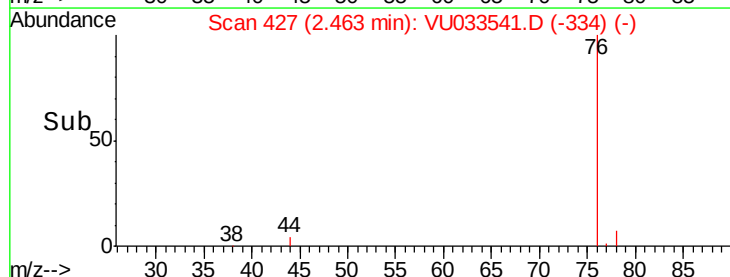
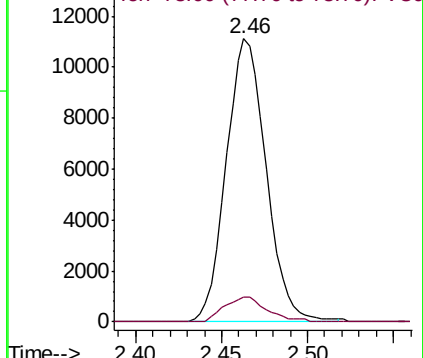
76 100

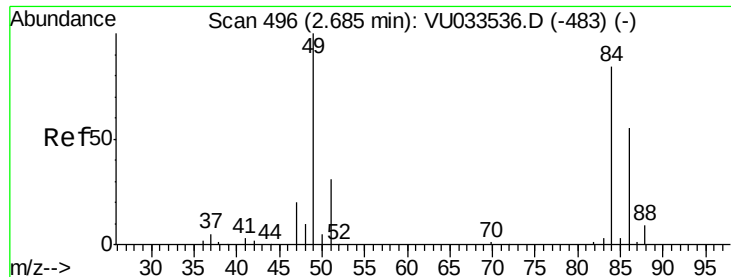
78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033536.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU033536.D (-415) (-)

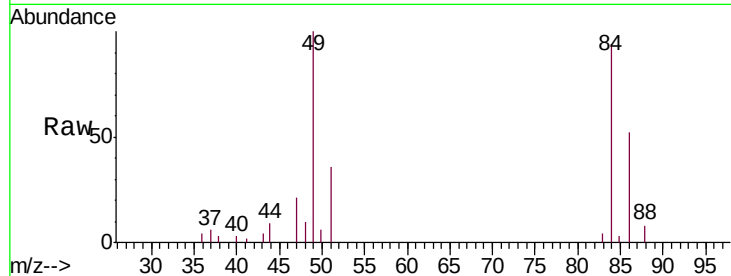




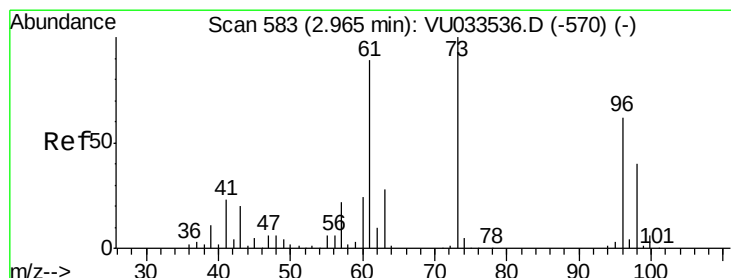
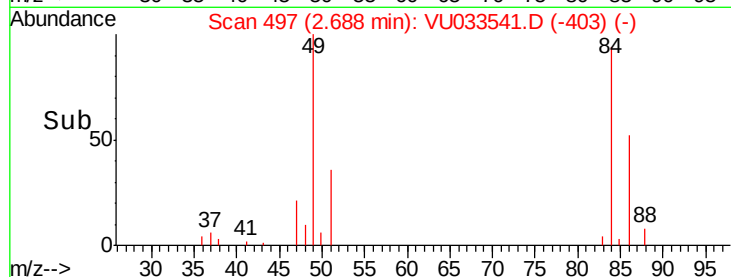
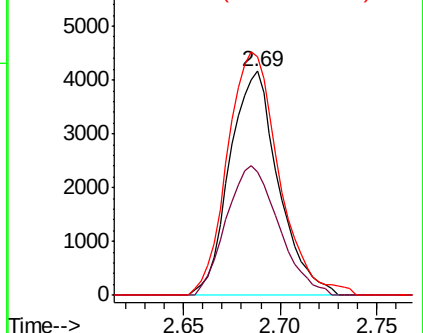
#16
Methylene chloride
Concen: 3.314 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 84 Resp: 7311
Ion Ratio Lower Upper
84 100
86 55.0 45.7 84.9
49 106.6 85.0 158.0

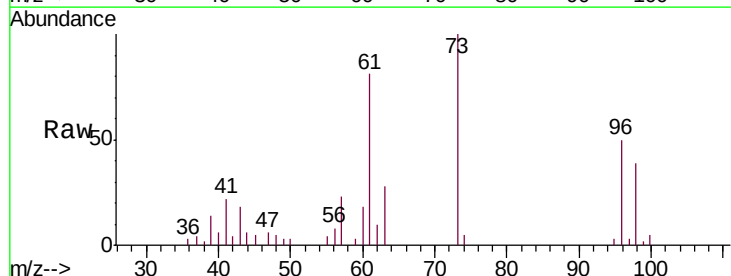


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

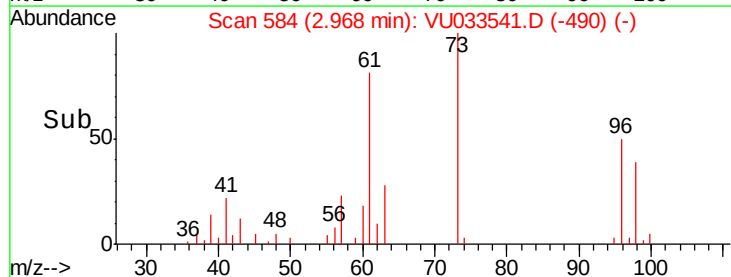
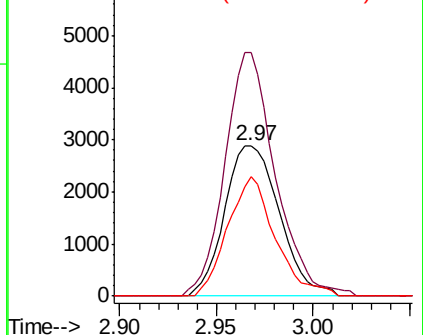


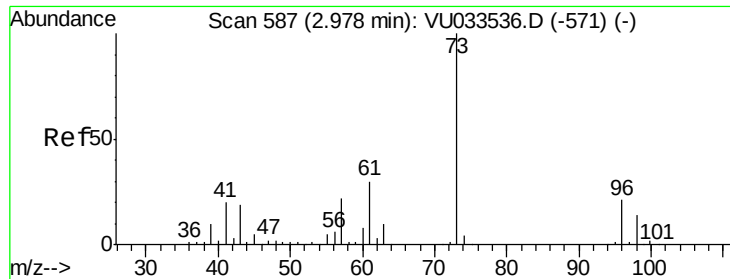
#17
trans-1,2-Dichloroethene
Concen: 2.820 ug/L
RT: 2.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Tgt Ion: 96 Resp: 5705
Ion Ratio Lower Upper
96 100
61 161.6 98.3 182.5
98 78.9 44.3 82.3



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

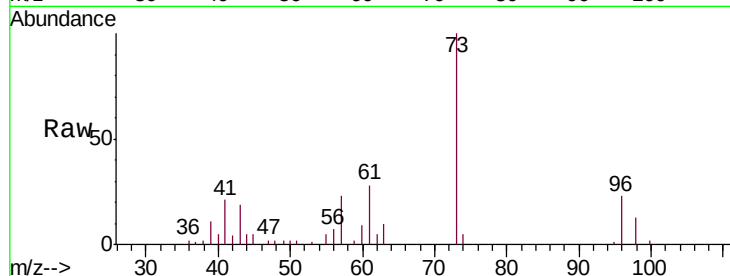




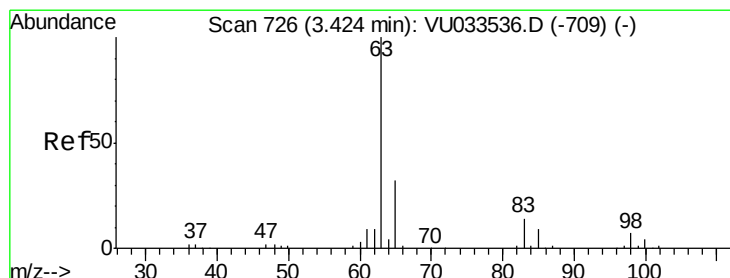
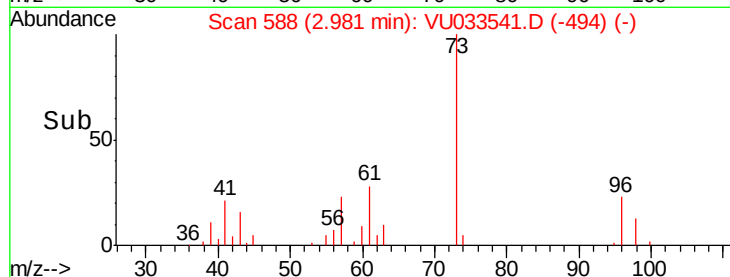
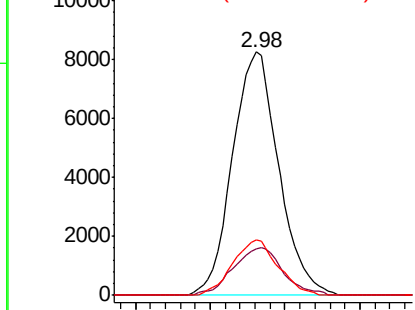
#18
Methyl tert-butyl Ether
Concen: 2.876 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tgt Ion: 73 Resp: 17748
Ion Ratio Lower Upper
73 100
43 20.9 15.4 23.2
57 22.4 17.4 26.2

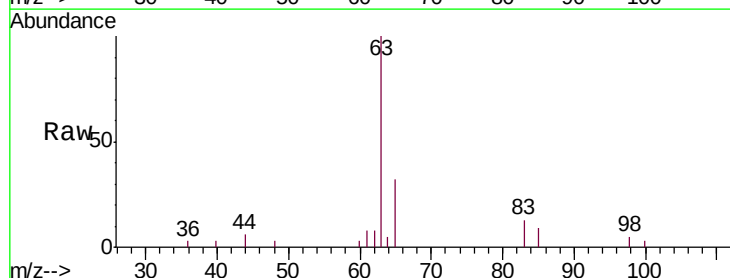


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

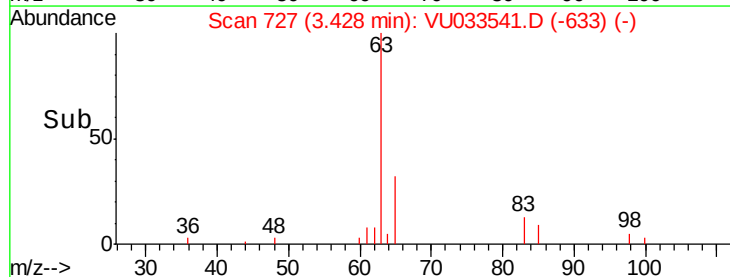
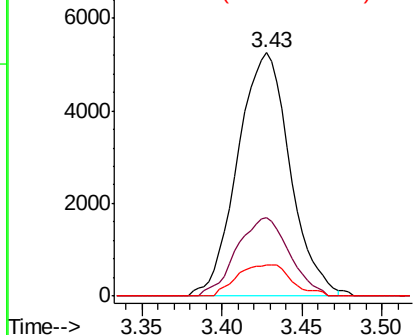


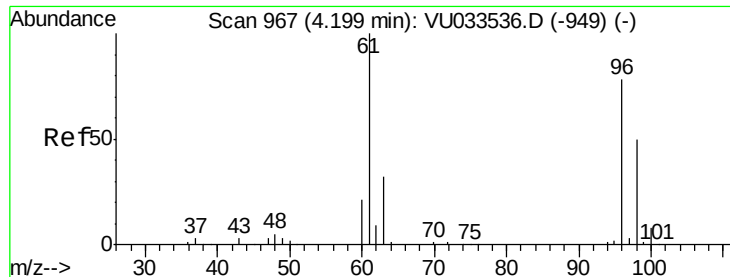
#19
1,1-Dichloroethane
Concen: 3.104 ug/L
RT: 3.43 min Scan# 727
Delta R.T. 0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Tgt Ion: 63 Resp: 11790
Ion Ratio Lower Upper
63 100
65 32.3 22.0 40.8
83 12.7 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0

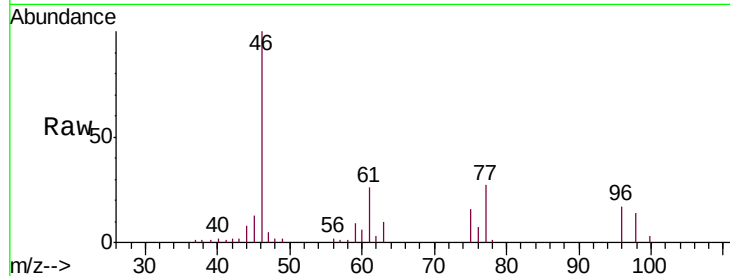




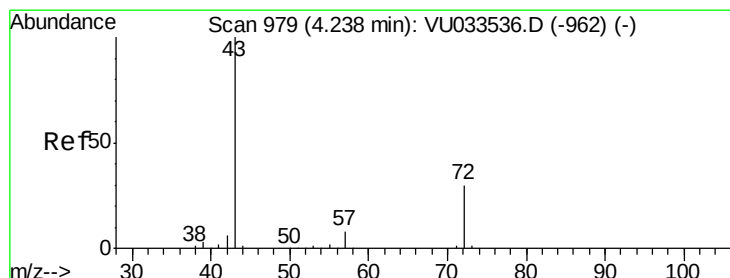
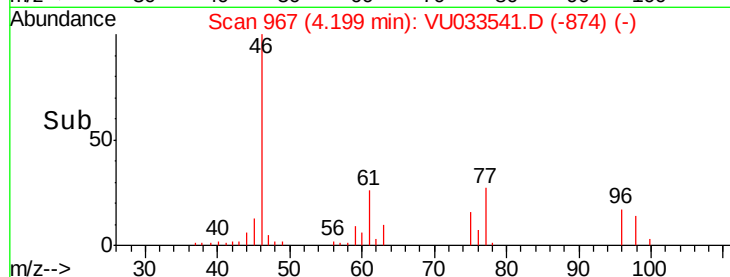
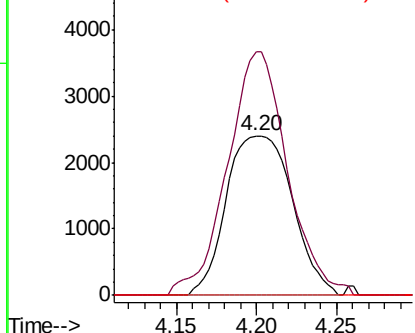
#20
 cis-1,2-Dichloroethene
 Concen: 3.009 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tgt Ion: 96 Resp: 6833
 Ion Ratio Lower Upper
 96 100
 61 152.6 91.3 169.6
 68 0.0 0.0 0.0

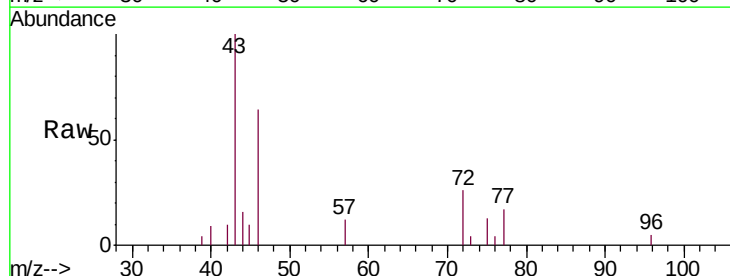


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

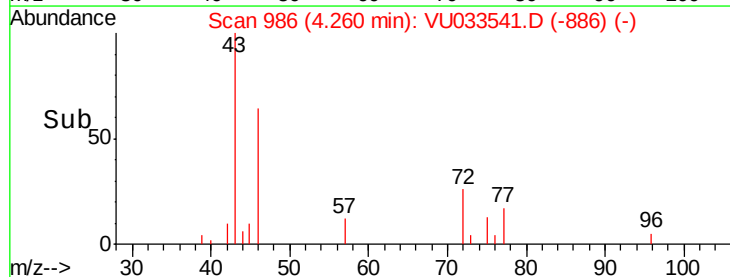
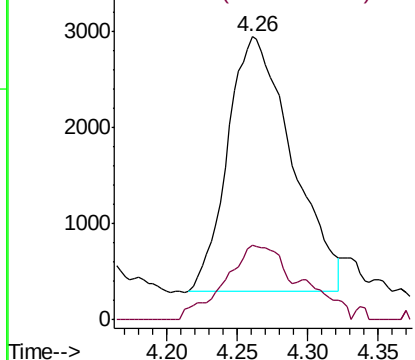


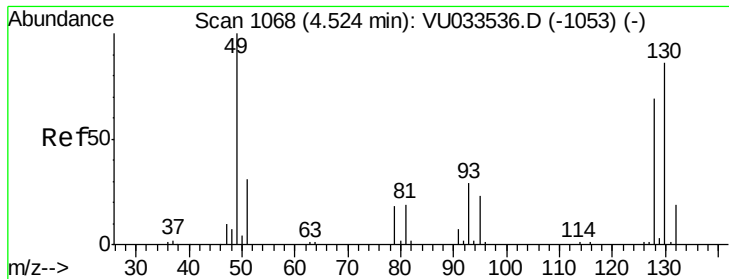
#22
 2-Butanone
 Concen: 4.801 ug/L
 RT: 4.26 min Scan# 986
 Delta R.T. 0.02 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

Tgt Ion: 43 Resp: 8422
 Ion Ratio Lower Upper
 43 100
 72 10.2 14.2 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#23

Bromochloromethane

Concen: 3.077 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion:128 Resp: 3646

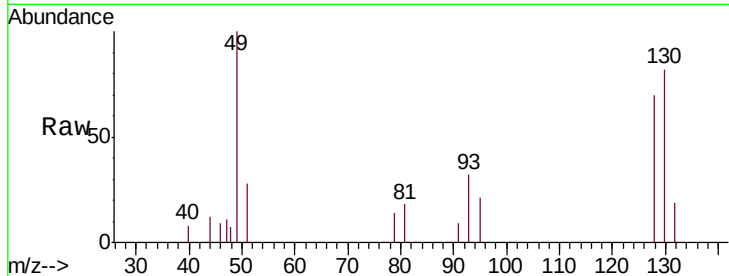
Ion Ratio Lower Upper

128 100

49 143.4 108.4 201.2

130 117.2 89.7 166.5

51 39.9 38.9 58.3

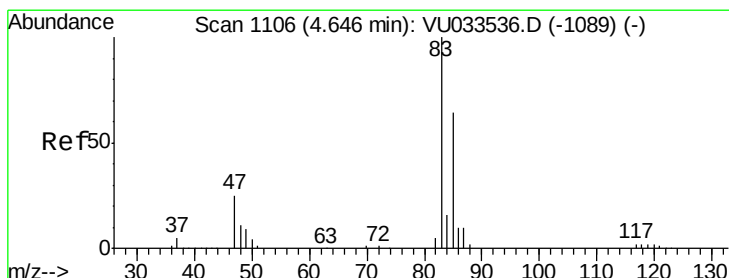
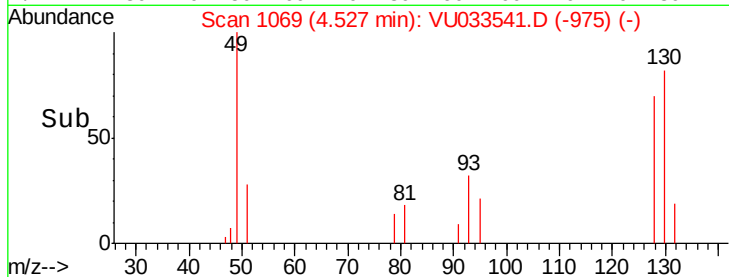
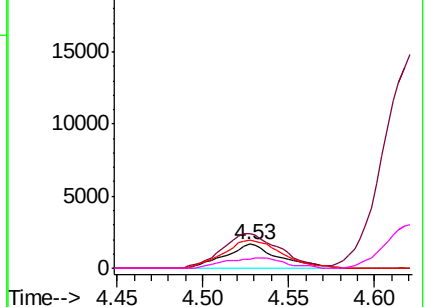


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 4.135 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033541.D

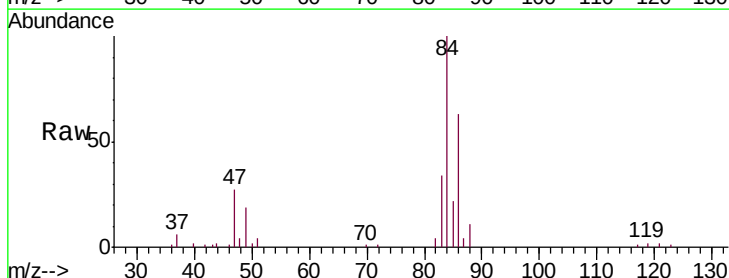
Acq: 01 Aug 2019 11:17

Tgt Ion: 83 Resp: 16525

Ion Ratio Lower Upper

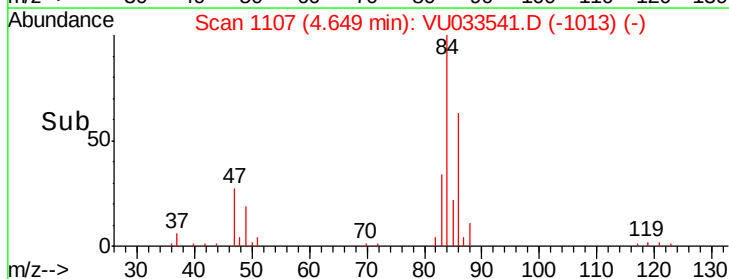
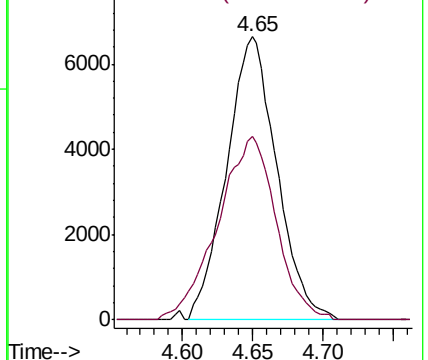
83 100

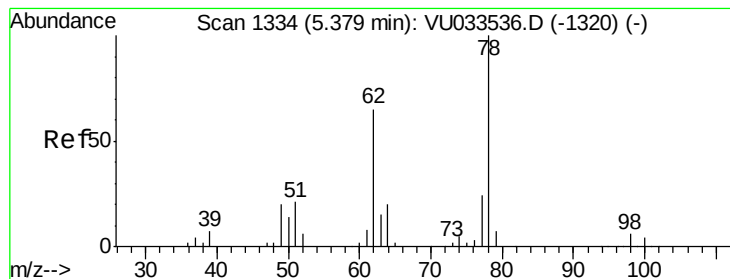
85 64.7 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 3.439 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

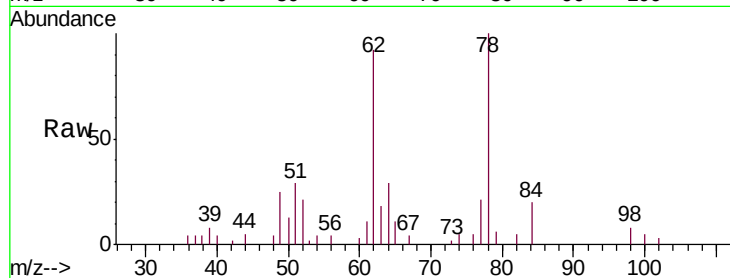
MDL04

Tgt Ion: 62 Resp: 10584

Ion Ratio Lower Upper

62 100

98 8.6 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU033536.D (-1320) (-)

Ion 98.00 (97.70 to 98.70): VU033536.D (-1320) (-)

5000

4000

3000

2000

1000

0

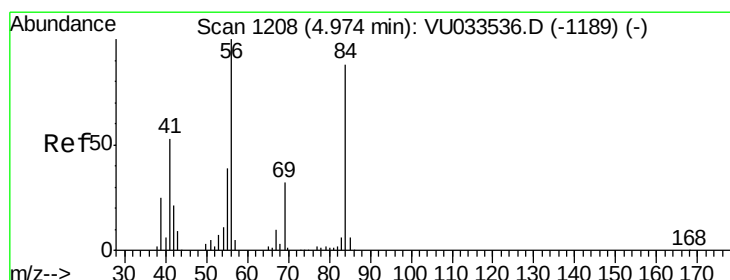
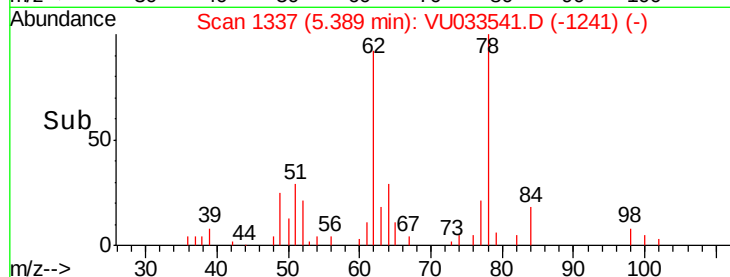
5.30

5.35

5.40

5.45

Time-->



#29

Cyclohexane

Concen: 2.694 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

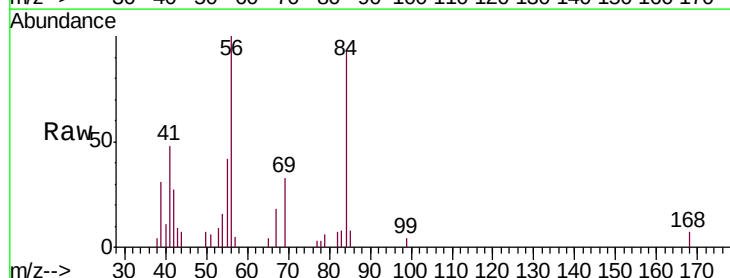
Tgt Ion: 56 Resp: 8618

Ion Ratio Lower Upper

56 100

69 30.7 25.0 37.6

84 97.8 71.6 107.4



Abundance Ion 56.00 (55.70 to 56.70): VU033536.D (-1189) (-)

Ion 69.00 (68.70 to 69.70): VU033536.D (-1189) (-)

Ion 84.00 (83.70 to 84.70): VU033536.D (-1189) (-)

5000

4000

3000

2000

1000

0

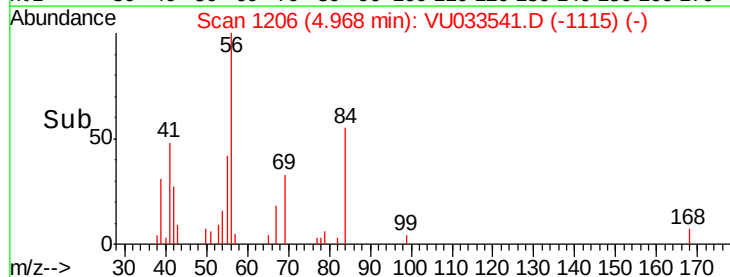
4.90

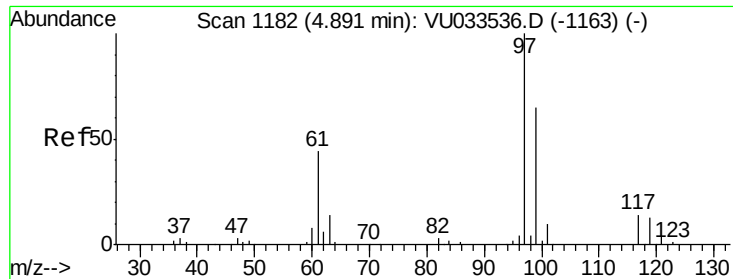
4.95

5.00

5.05

Time-->

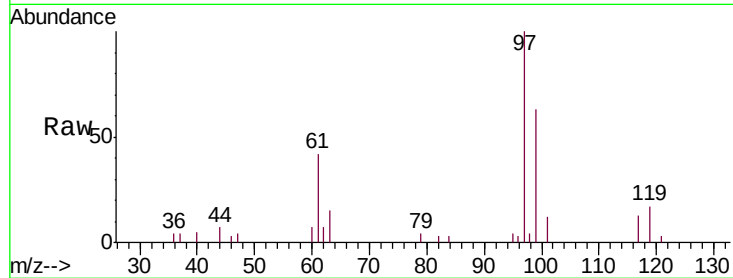




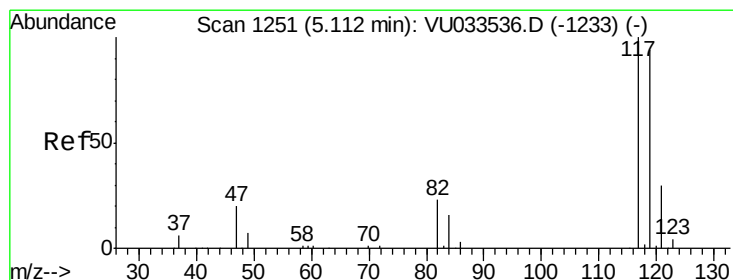
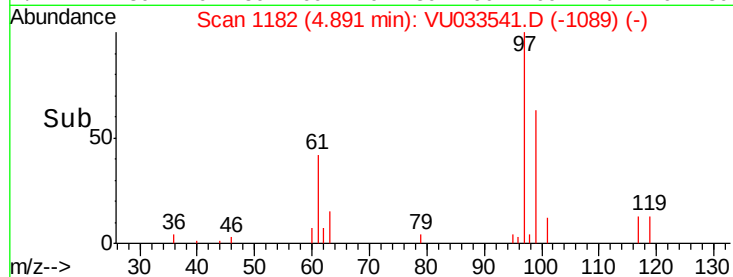
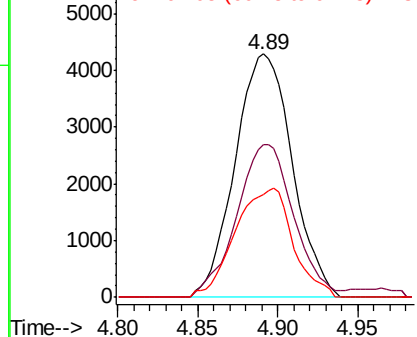
#30
 1,1,1-Trichloroethane
 Concen: 3.115 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion: 97 Resp: 10510
 Ion Ratio Lower Upper
 97 100
 99 62.6 51.1 76.7
 61 45.3 35.5 53.3

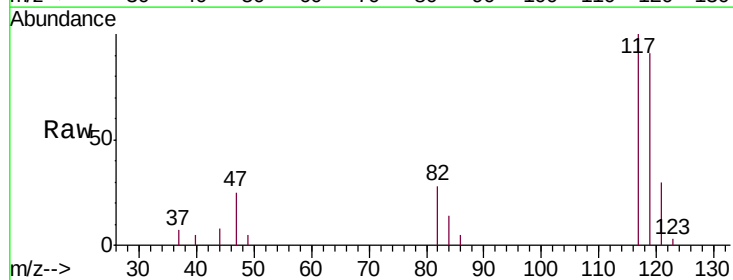


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

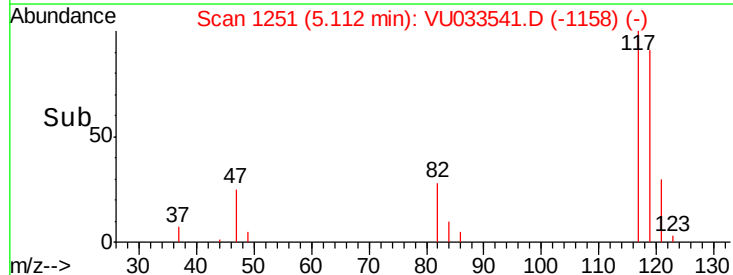
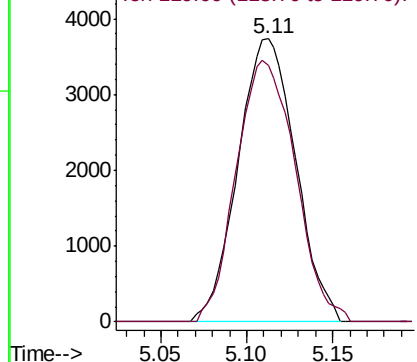


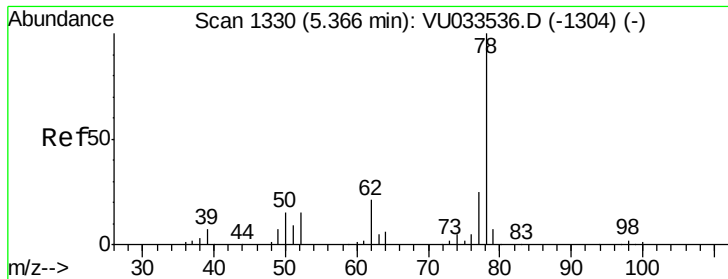
#31
 Carbon tetrachloride
 Concen: 2.957 ug/L
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

Tgt Ion: 117 Resp: 8689
 Ion Ratio Lower Upper
 117 100
 119 94.8 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: 3.037 ug/L

RT: 5.37 min Scan# 1330

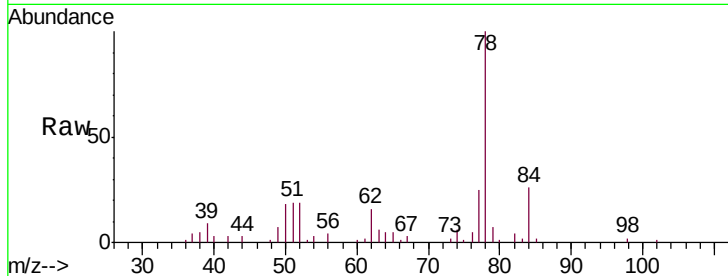
Delta R.T. -0.00 min

Lab File: VU033541.D

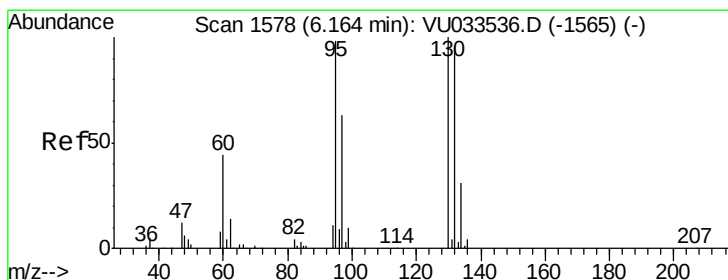
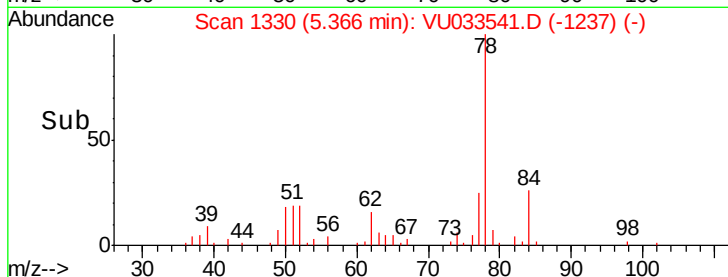
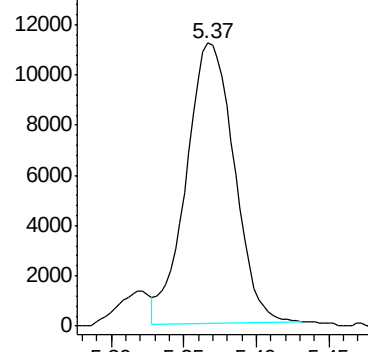
Acq: 01 Aug 2019 11:17

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tgt Ion: 78 Resp: 25691



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 3.286 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Tgt Ion: 95 Resp: 7332

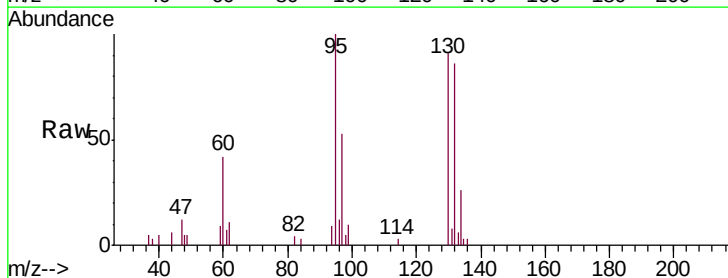
Ion	Ratio	Lower	Upper
95	100		
97	52.8	44.7	83.1
132	85.7	66.8	124.0
130	91.0	71.6	133.0

95 100

97 52.8 44.7 83.1

132 85.7 66.8 124.0

130 91.0 71.6 133.0

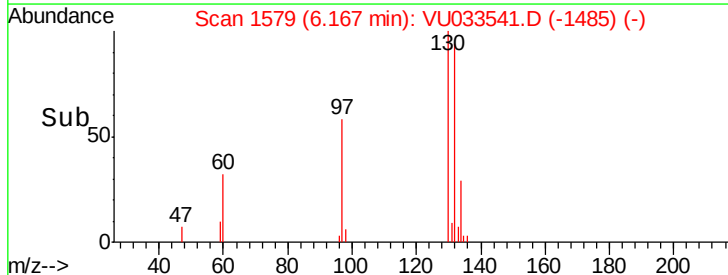
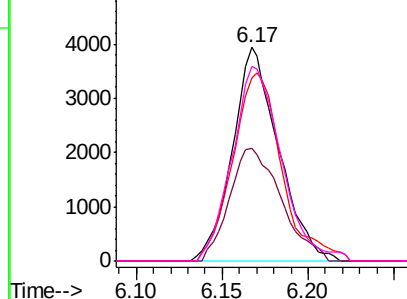


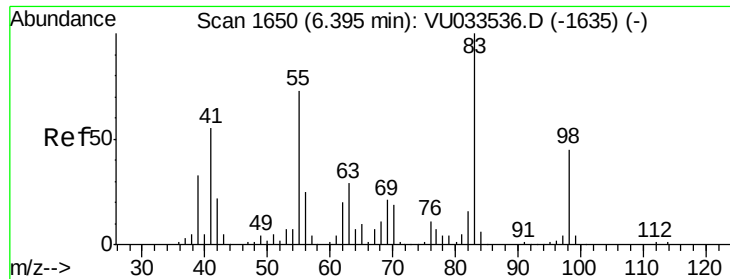
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

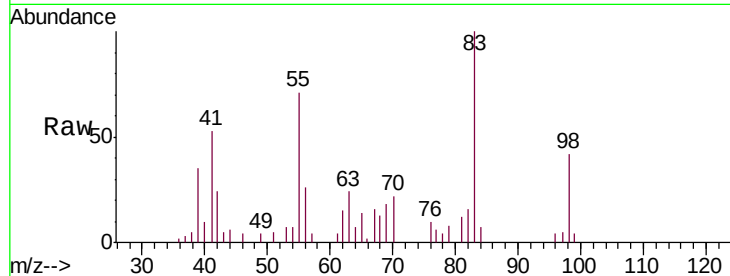




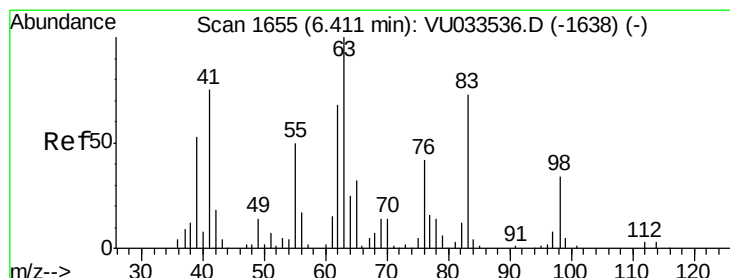
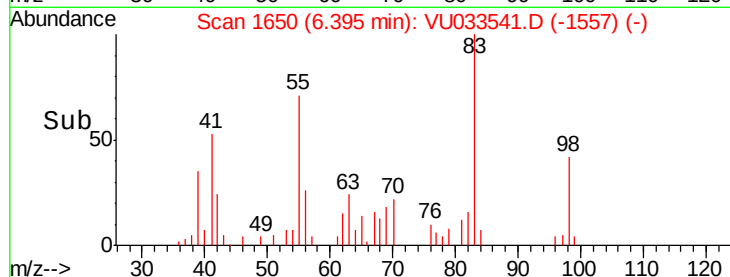
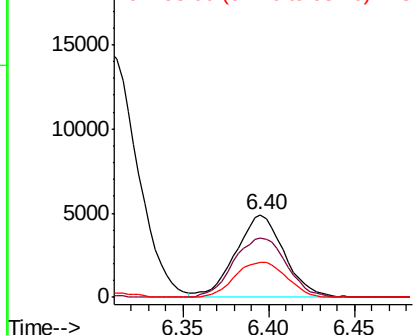
#35
Methylcyclohexane
Concen: 2.766 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 83 Resp: 9631
Ion Ratio Lower Upper
83 100
55 78.4 60.2 90.4
98 45.4 36.5 54.7

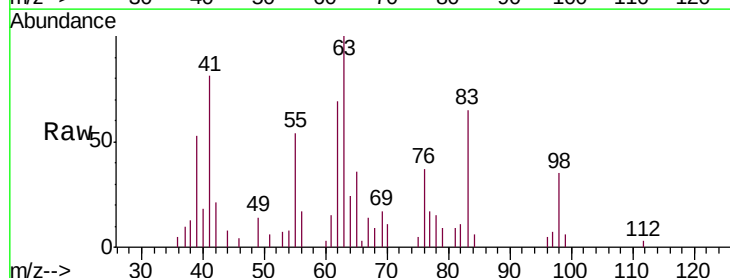


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

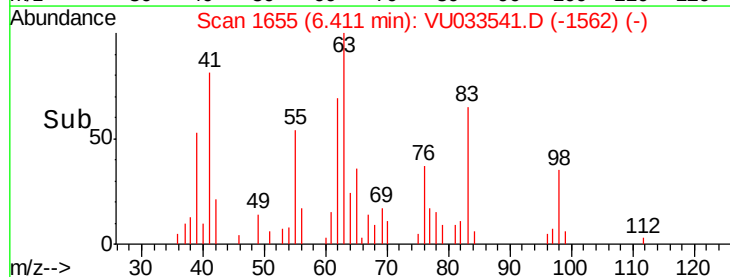
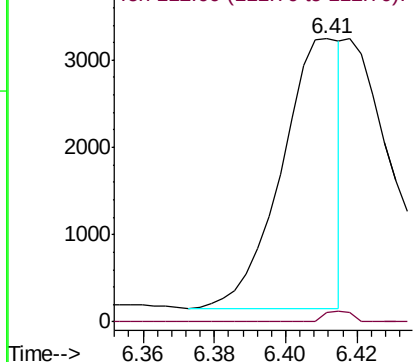


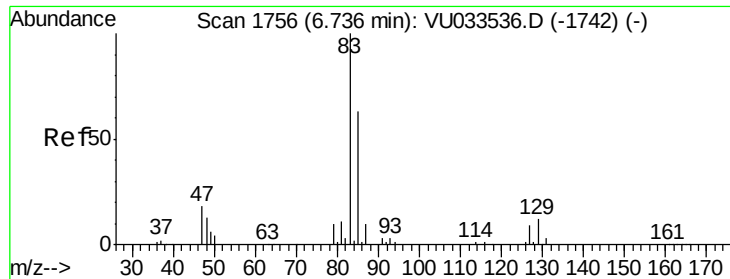
#37
1,2-Dichloropropane
Concen: 1.555 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Tgt Ion: 63 Resp: 3521
Ion Ratio Lower Upper
63 100
112 1.8 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

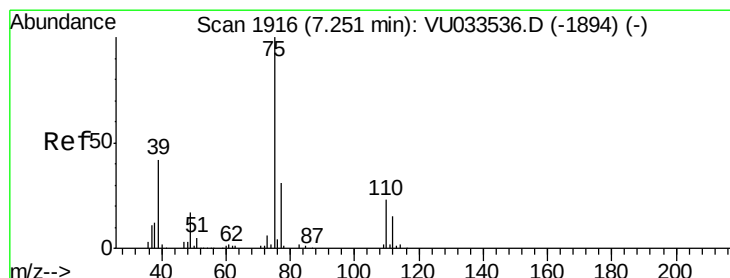
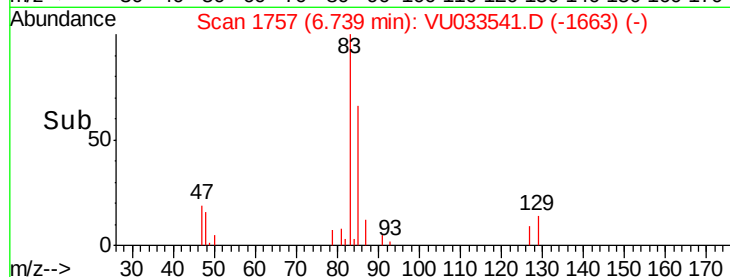
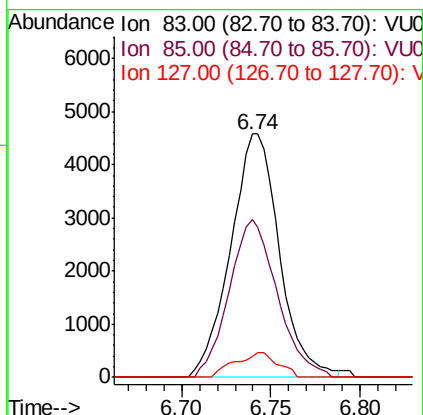
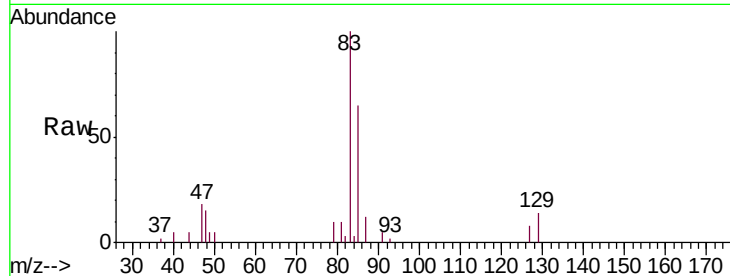




#38
 Bromodichloromethane
 Concen: 2.975 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

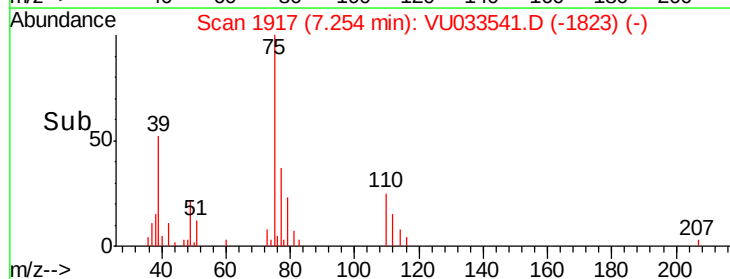
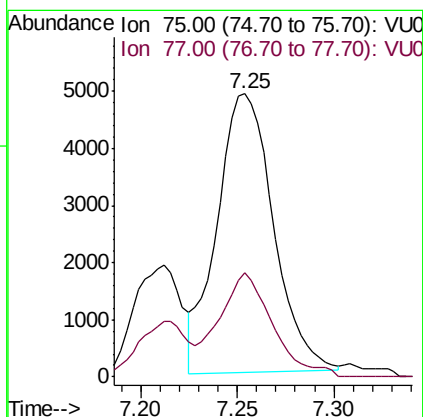
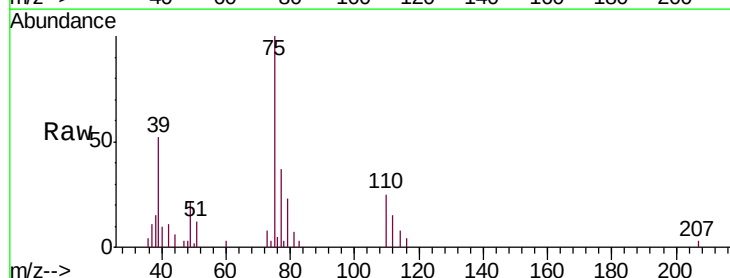
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

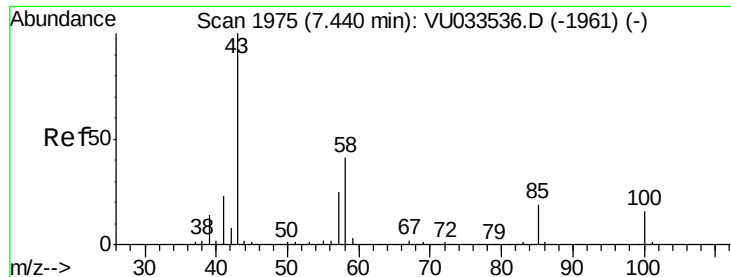
Tgt Ion: 83 Resp: 8709
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.1 83.9
 127 8.4 7.2 10.8



#39
 cis-1,3-Dichloropropene
 Concen: 2.808 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

Tgt Ion: 75 Resp: 9923
 Ion Ratio Lower Upper
 75 100
 77 36.6 22.3 41.5

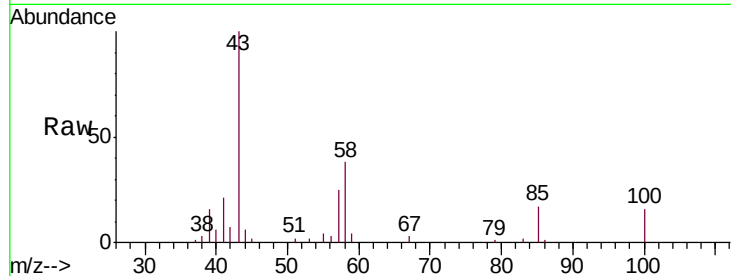




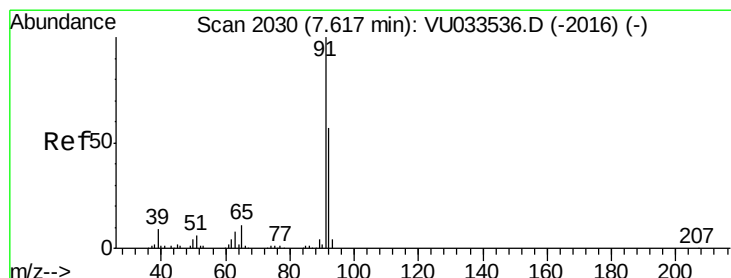
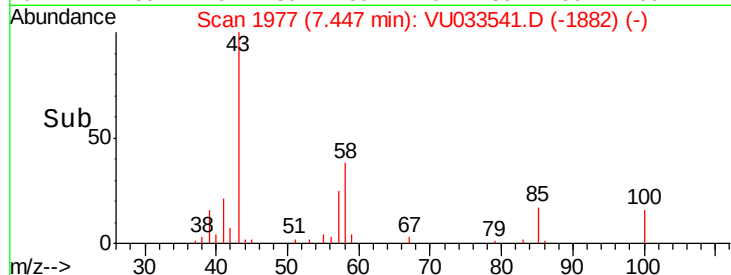
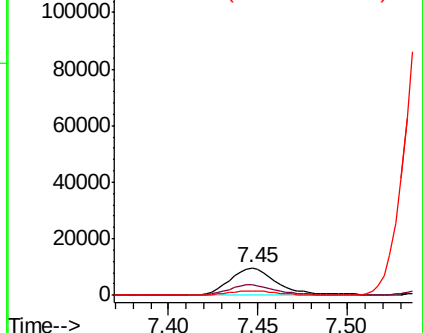
#40
4-Methyl-2-pentanone
Concen: 5.596 ug/L
RT: 7.45 min Scan# 1977
Delta R.T. 0.01 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 43 Resp: 17495
Ion Ratio Lower Upper
43 100
58 39.4 32.8 49.2
100 16.6 12.9 19.3

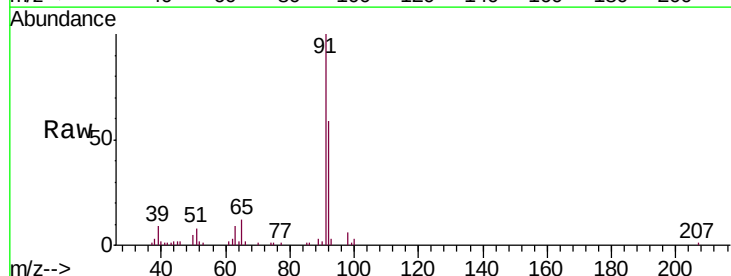


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

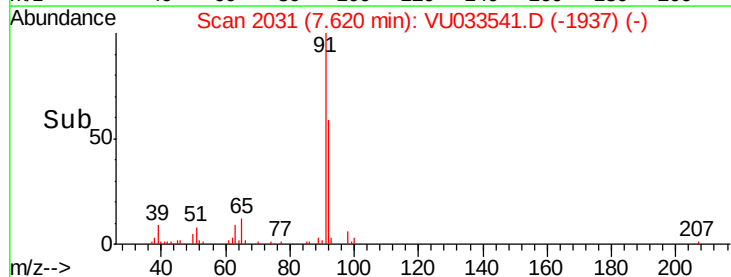
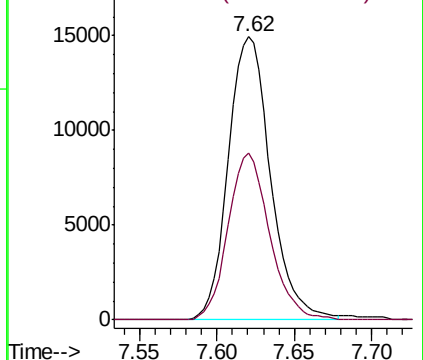


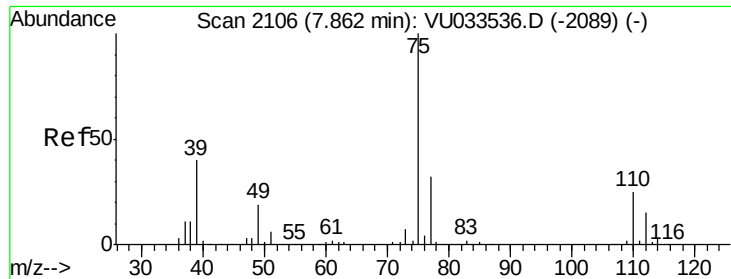
#42
Toluene
Concen: 3.116 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Tgt Ion: 91 Resp: 28341
Ion Ratio Lower Upper
91 100
92 58.9 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 3.209 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampled :

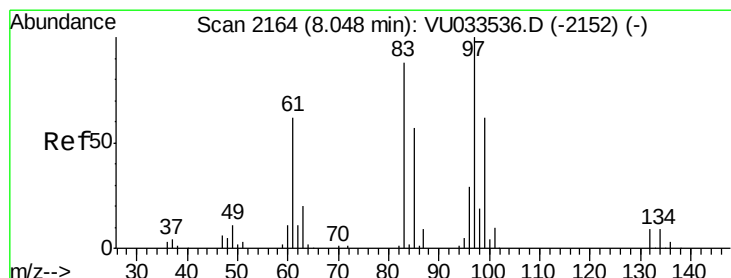
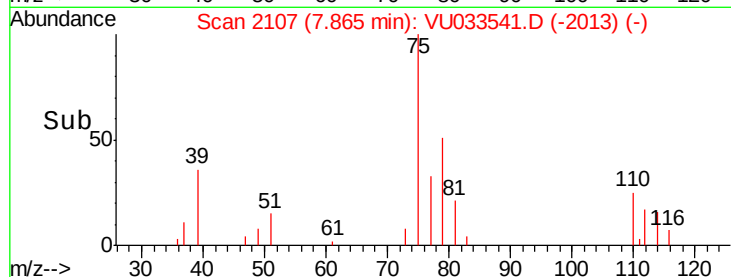
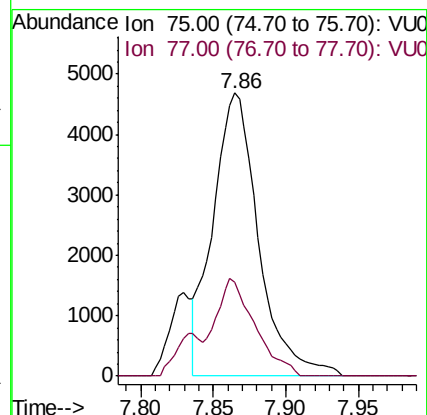
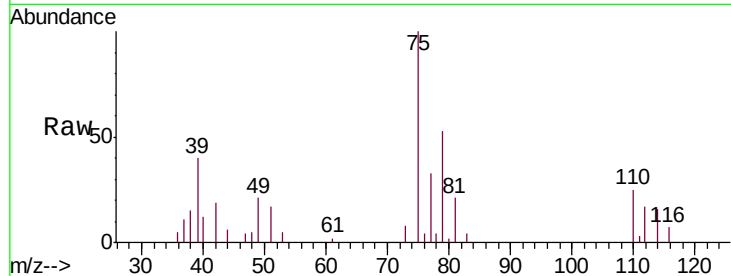
MDL04

Tgt Ion: 75 Resp: 10249

Ion Ratio Lower Upper

75 100

77 33.0 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 3.196 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Tgt Ion: 97 Resp: 6870

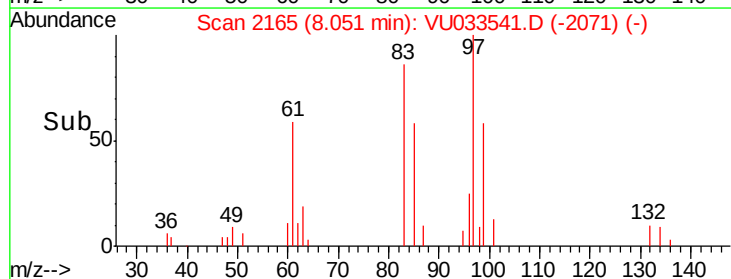
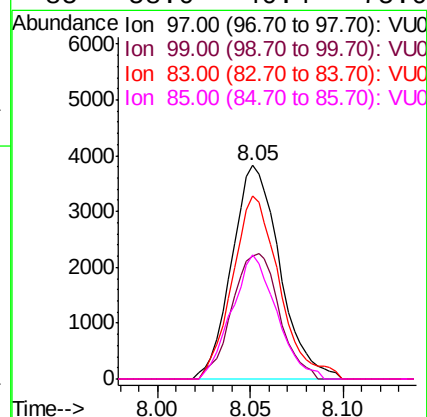
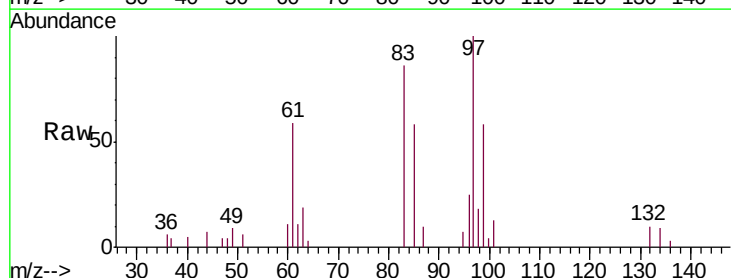
Ion Ratio Lower Upper

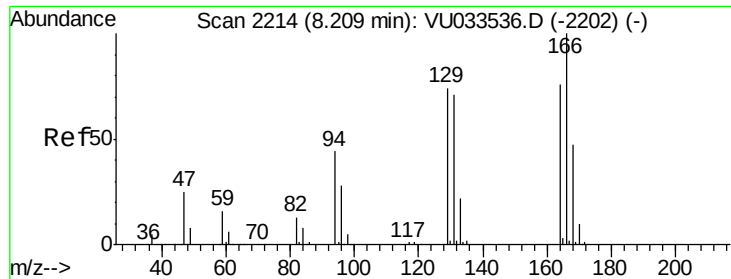
97 100

99 57.6 44.4 82.4

83 85.9 61.5 114.1

85 58.0 40.4 75.0

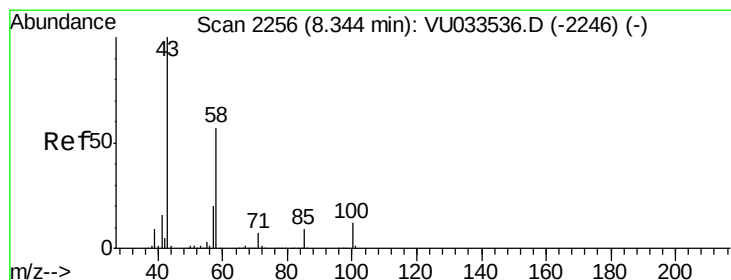
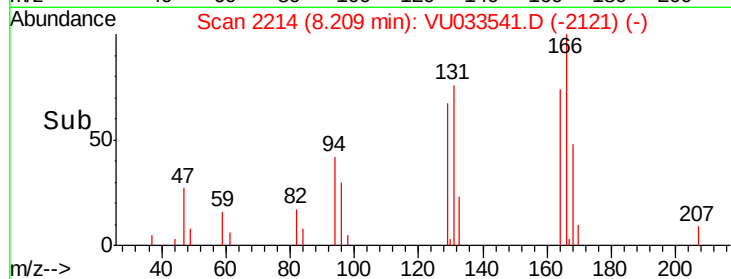
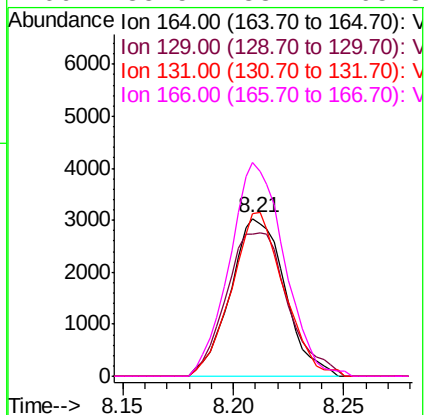
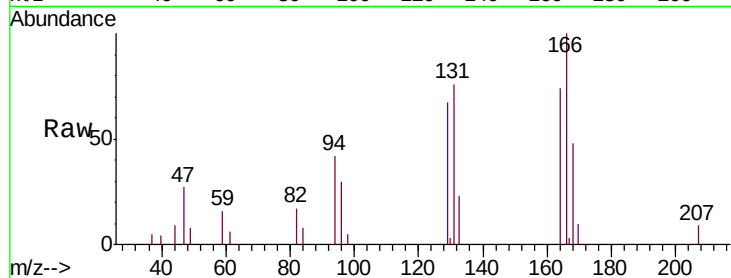




#46
 Tetrachloroethene
 Concen: 2.863 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

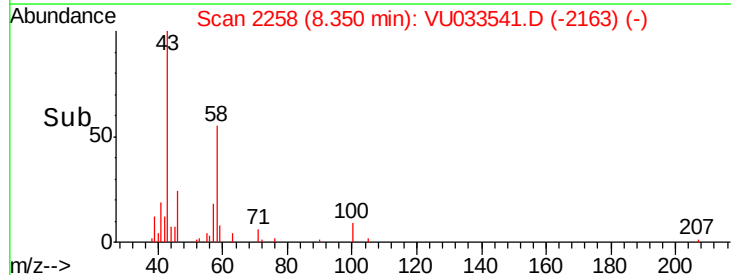
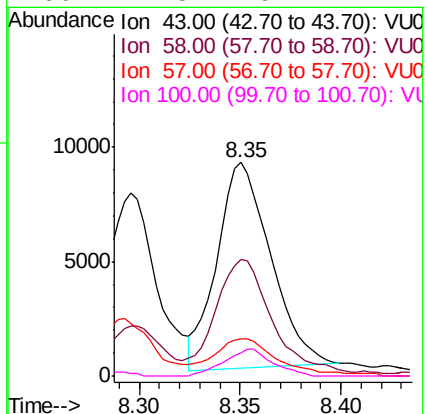
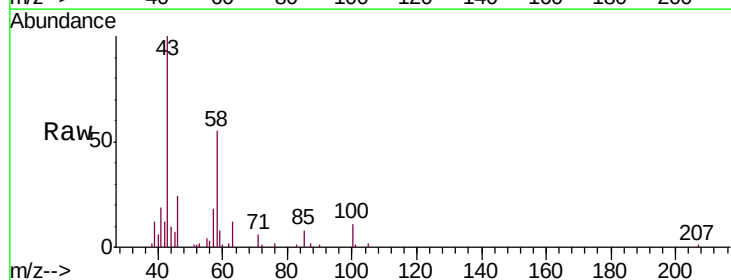
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

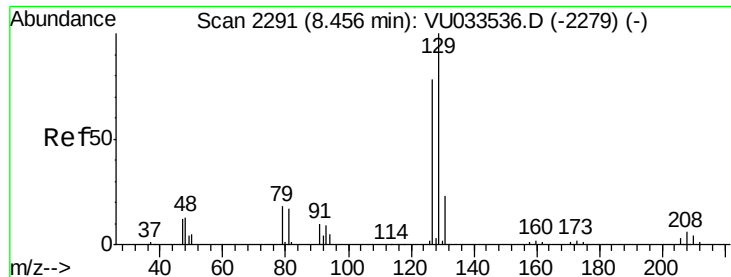
Tgt Ion:	164	Resp:	5216
Ion	Ratio	Lower	Upper
164	100		
129	90.6	65.5	121.7
131	103.5	63.3	117.7
166	135.5	88.2	163.8



#48
 2-Hexanone
 Concen: 6.650 ug/L
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

Tgt Ion:	43	Resp:	16805
Ion	Ratio	Lower	Upper
43	100		
58	56.9	45.8	68.6
57	21.0	15.8	23.6
100	11.8	9.4	14.2





#49

Dibromochloromethane

Concen: 3.046 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

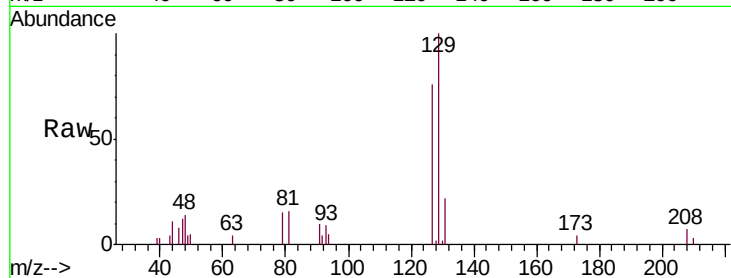
MDL04

Tgt Ion:129 Resp: 7450

Ion Ratio Lower Upper

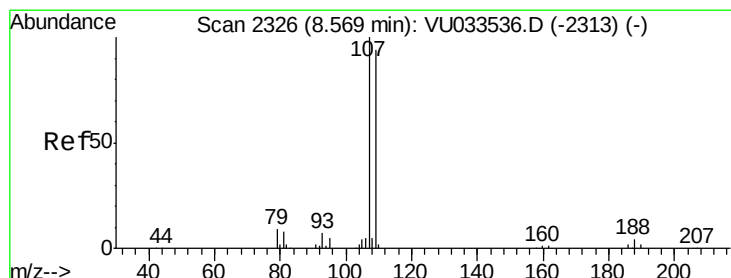
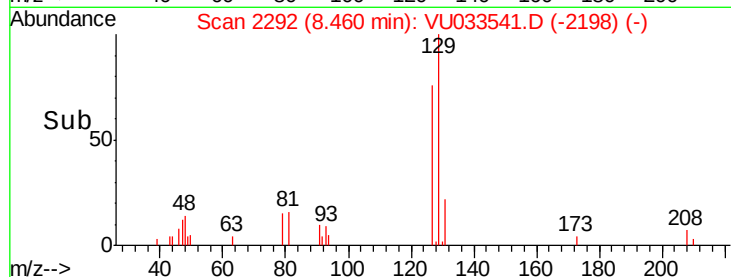
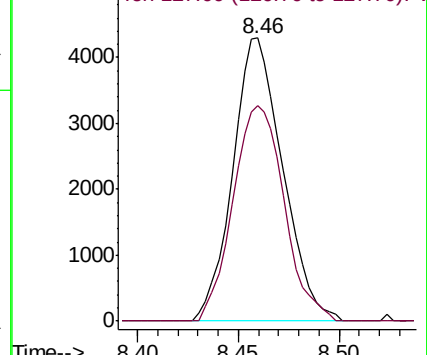
129 100

127 76.3 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.999 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

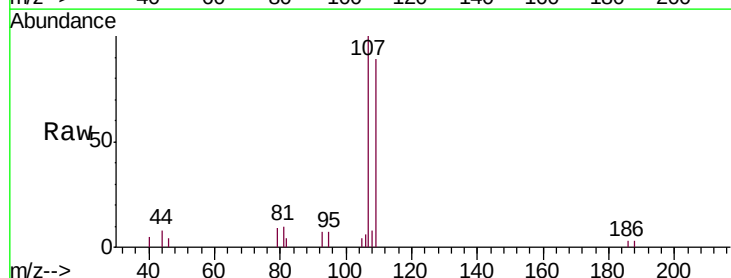
Tgt Ion:107 Resp: 7140

Ion Ratio Lower Upper

107 100

109 88.9 66.8 124.0

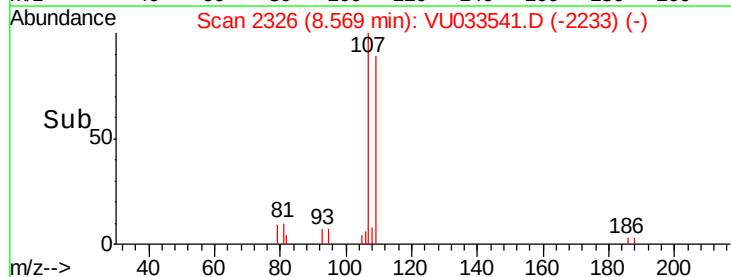
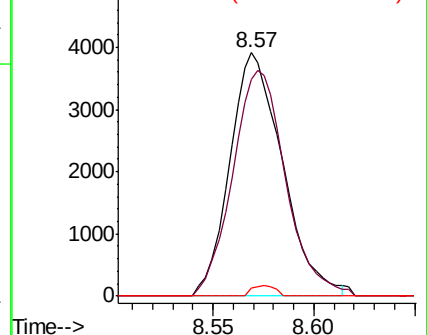
188 3.2 3.0 4.4

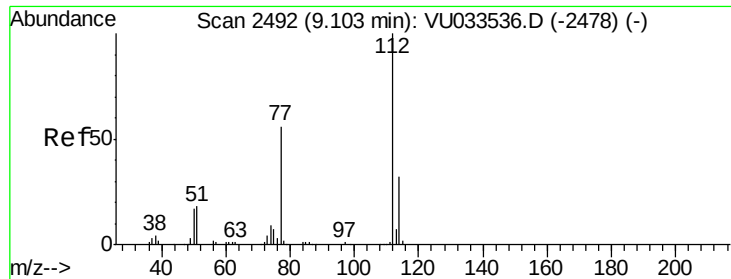


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

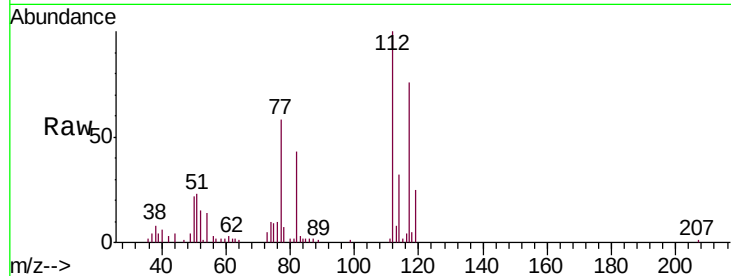




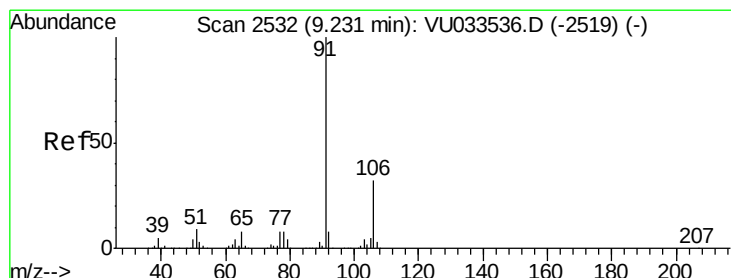
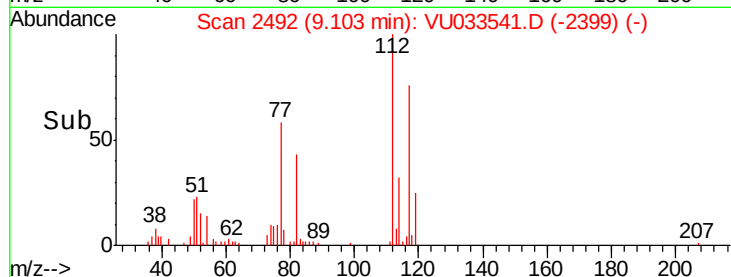
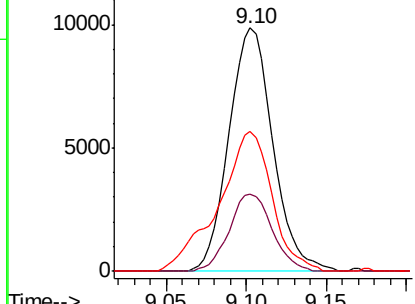
#51
Chlorobenzene
Concen: 3.106 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 112 Resp: 18499
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 57.7 45.6 68.4

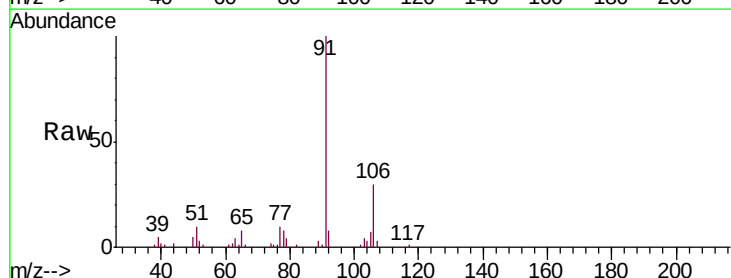


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

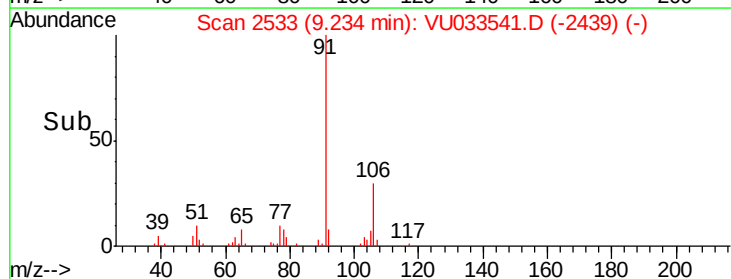
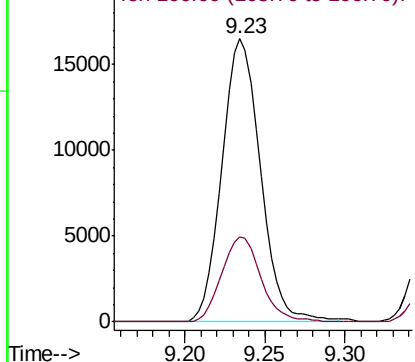


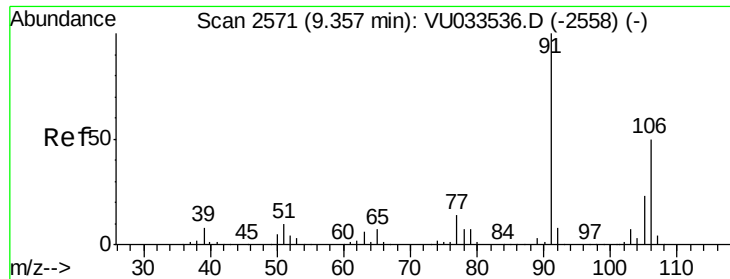
#52
Ethylbenzene
Concen: 2.771 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Tgt Ion: 91 Resp: 27137
Ion Ratio Lower Upper
91 100
106 30.2 22.2 41.2



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





#53

m,p-Xylene

Concen: 2.643 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

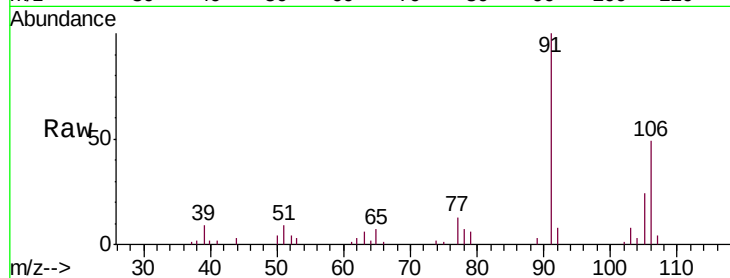
MDL04

Tgt Ion:106 Resp: 9937

Ion Ratio Lower Upper

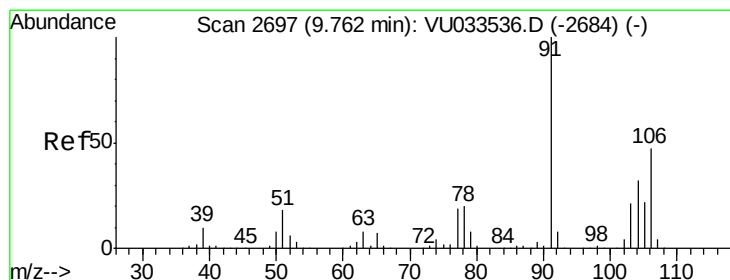
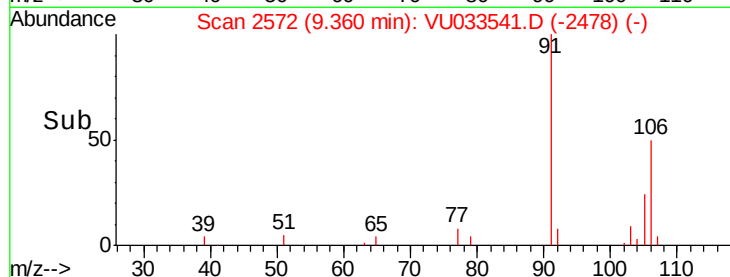
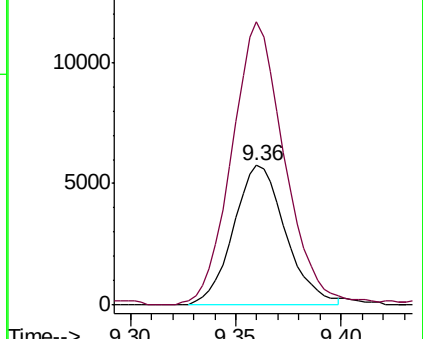
106 100

91 202.6 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 2.656 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033541.D

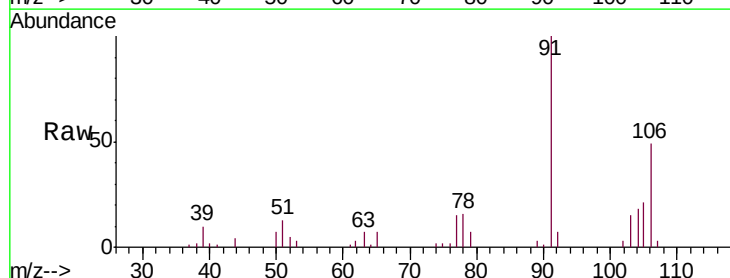
Acq: 01 Aug 2019 11:17

Tgt Ion:106 Resp: 9687

Ion Ratio Lower Upper

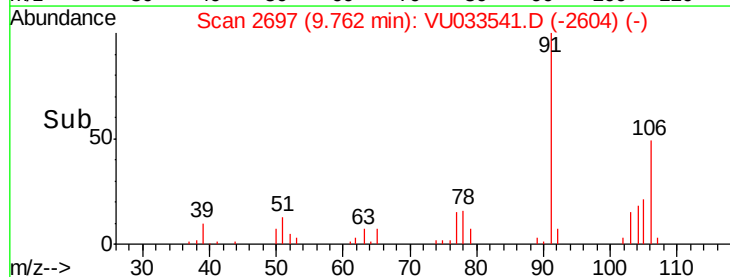
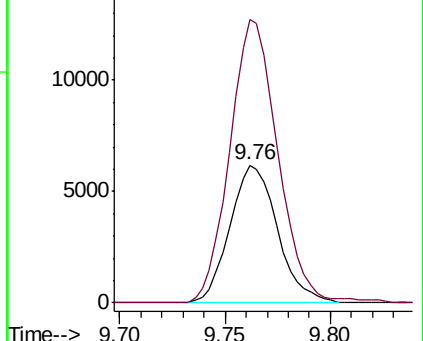
106 100

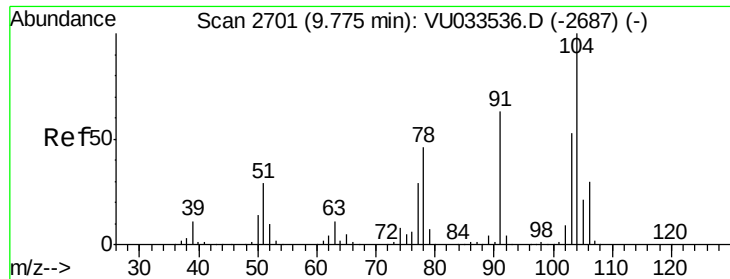
91 205.6 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 2.346 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleID :

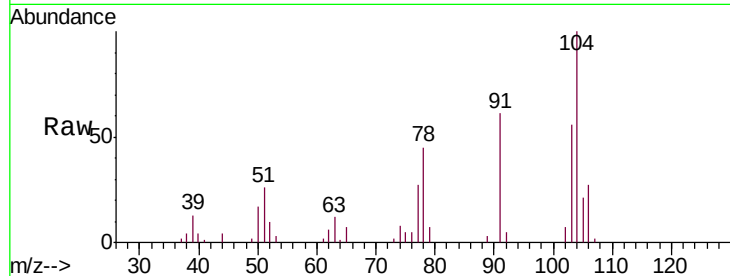
MDL04

Tgt Ion:104 Resp: 14535

Ion Ratio Lower Upper

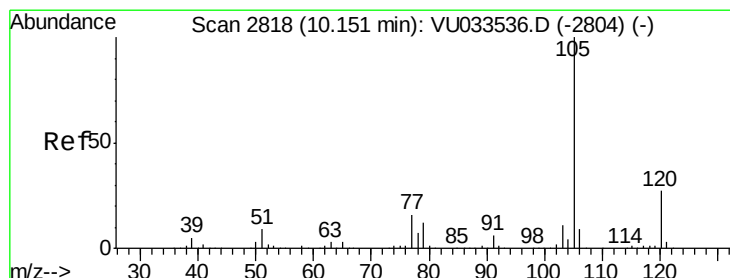
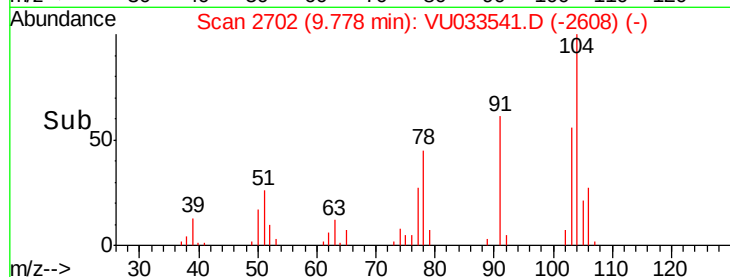
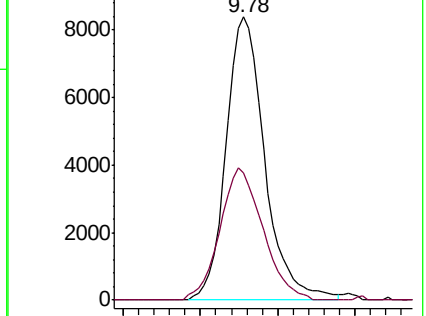
104 100

78 45.2 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: 2.533 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

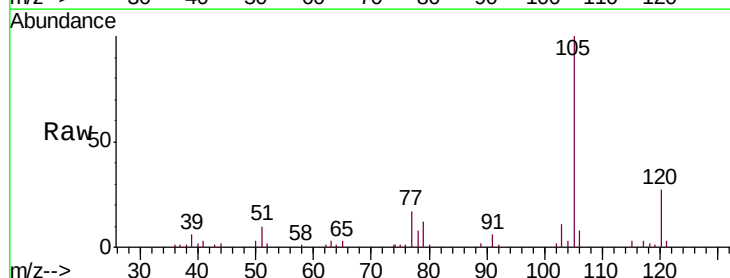
Tgt Ion:105 Resp: 24137

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.0

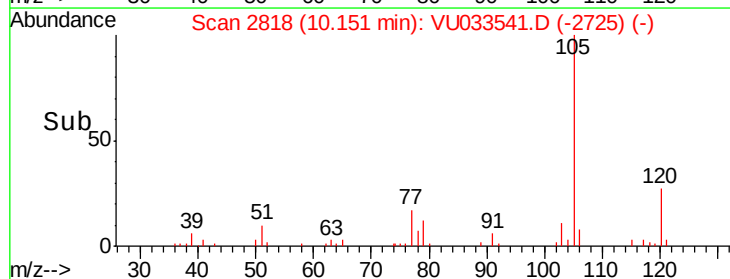
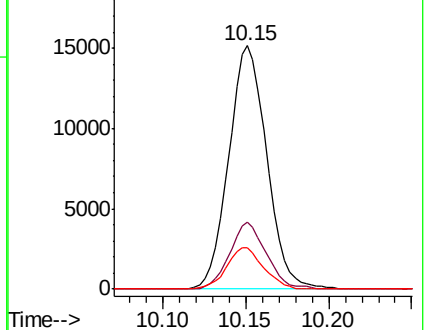
77 16.4 12.5 18.7

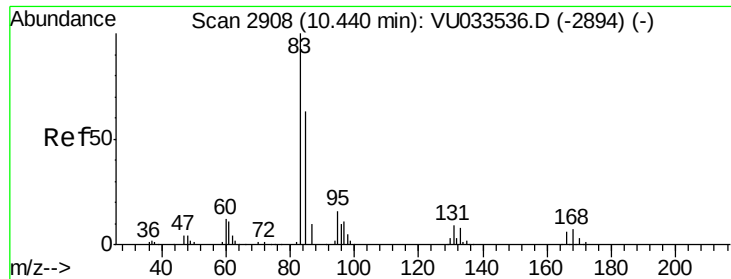


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.204 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

MDL04

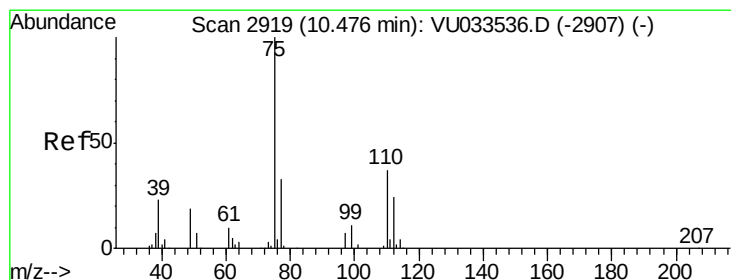
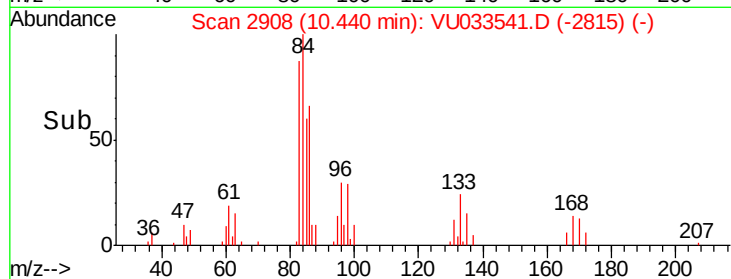
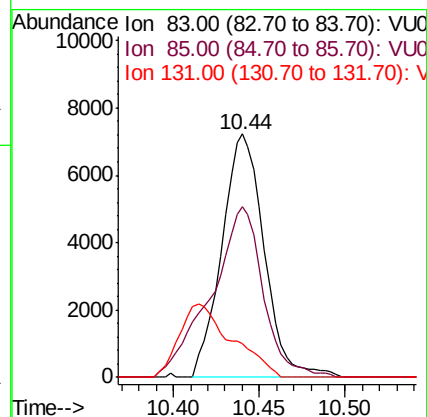
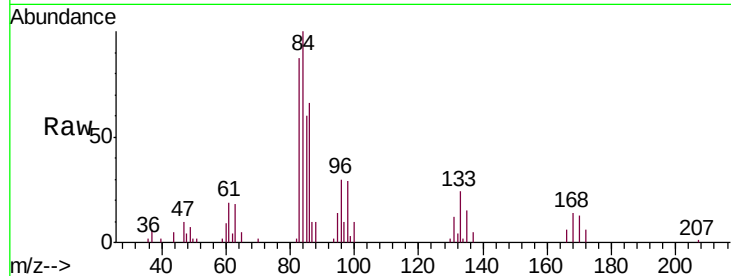
Tgt Ion: 83 Resp: 12423

Ion Ratio Lower Upper

83 100

85 69.8 45.4 84.4

131 13.9 7.9 11.9#



#59

1,2,3-Trichloropropane

Concen: 3.002 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033541.D

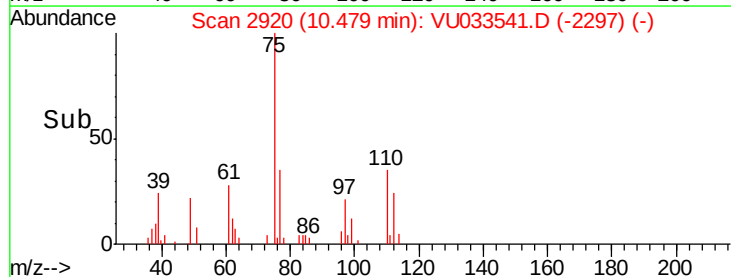
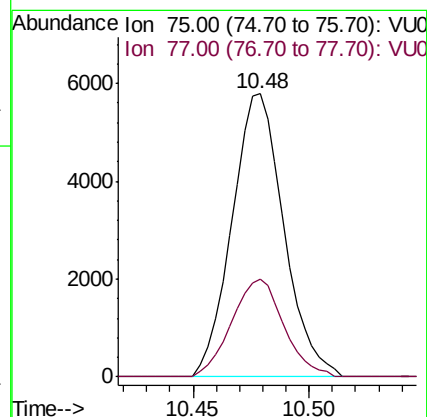
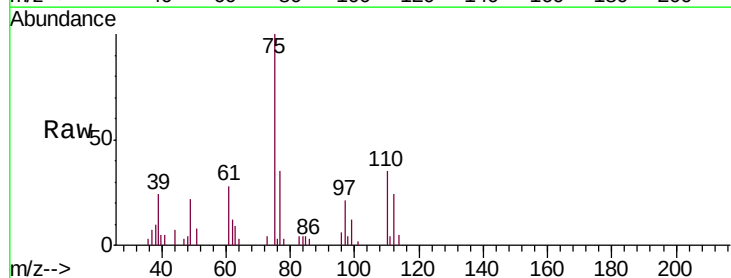
Acq: 01 Aug 2019 11:17

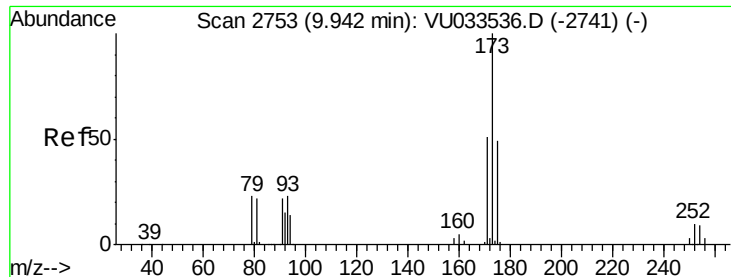
Tgt Ion: 75 Resp: 8972

Ion Ratio Lower Upper

75 100

77 34.9 25.8 38.6





#61

Bromoform

Concen: 3.063 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

MDL04

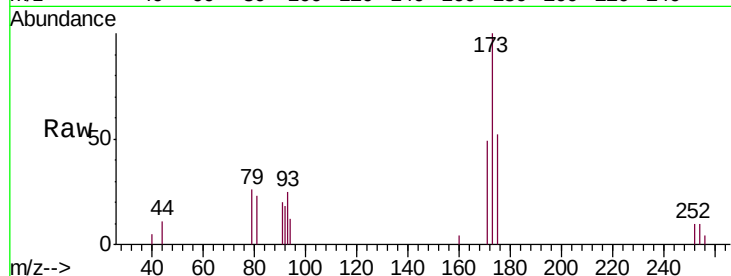
Tgt Ion:173 Resp: 5292

Ion Ratio Lower Upper

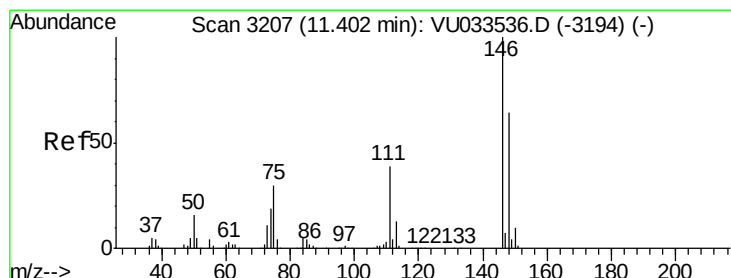
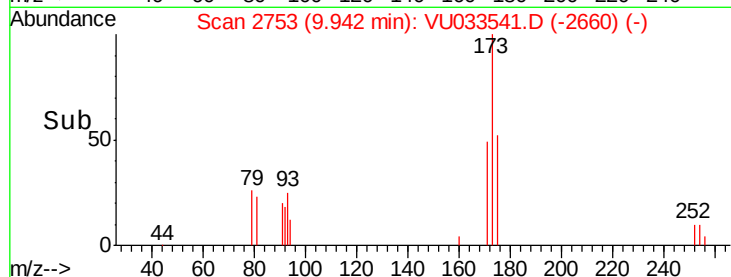
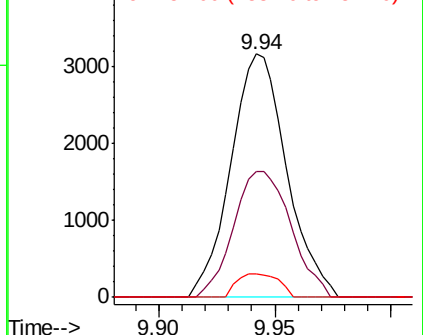
173 100

175 52.9 38.7 58.1

254 7.3 7.5 11.3#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 3.047 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

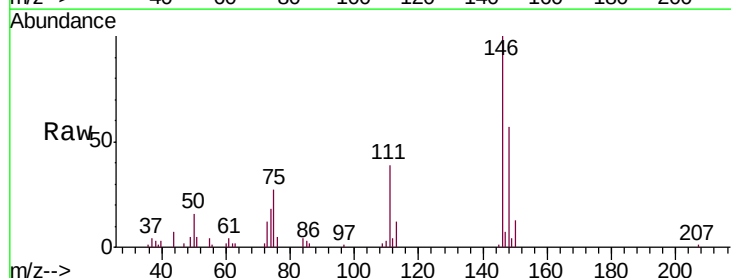
Tgt Ion:146 Resp: 13384

Ion Ratio Lower Upper

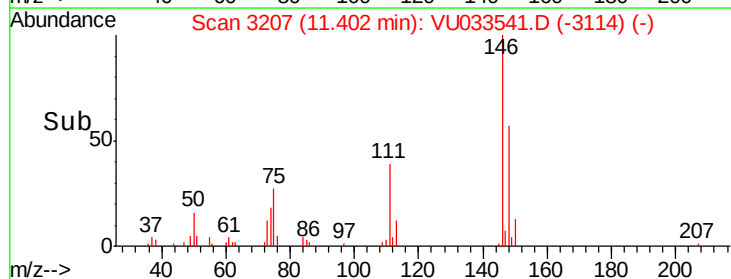
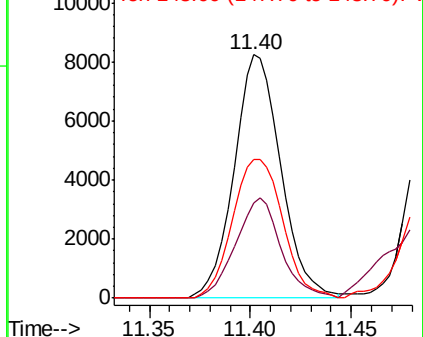
146 100

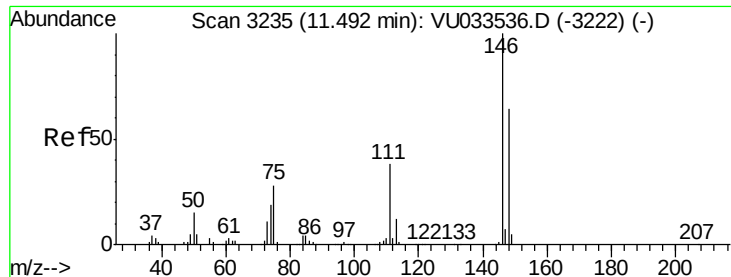
111 38.9 28.1 52.1

148 57.0 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

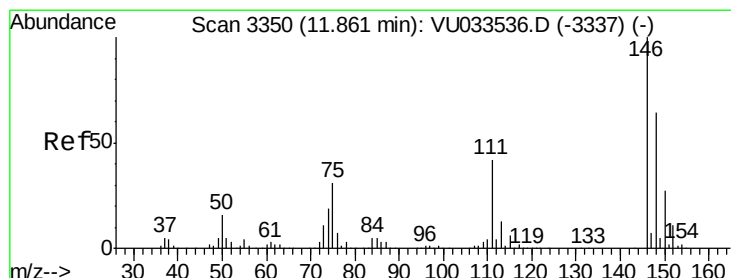
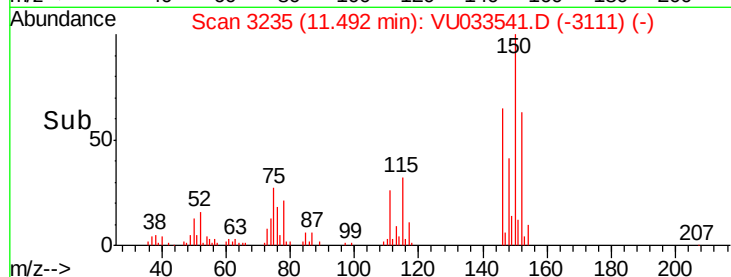
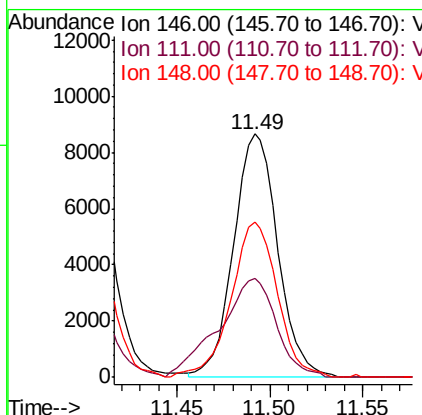
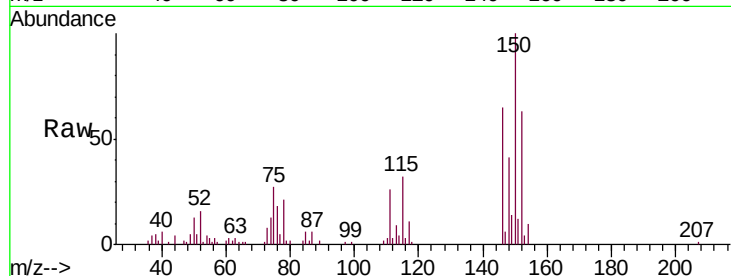




#63
1,4-Dichlorobenzene
Concen: 3.146 ug/L
RT: 11.49 min Scan# 3235
Delta R.T. -0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

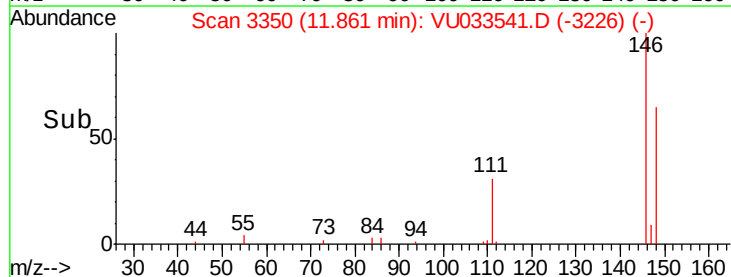
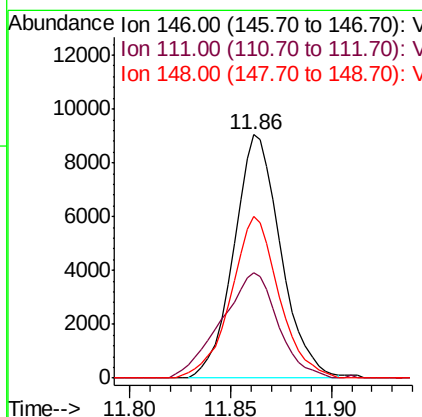
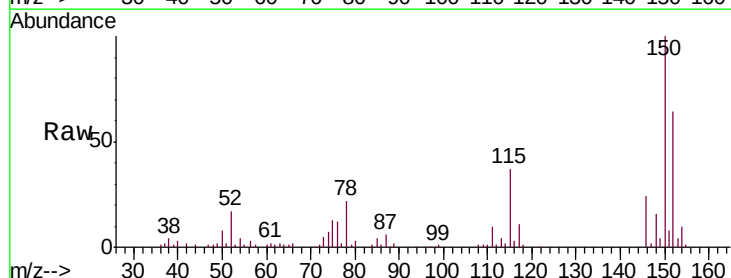
Instrument :
MSVOA_U
ClientSampled :
MDL04

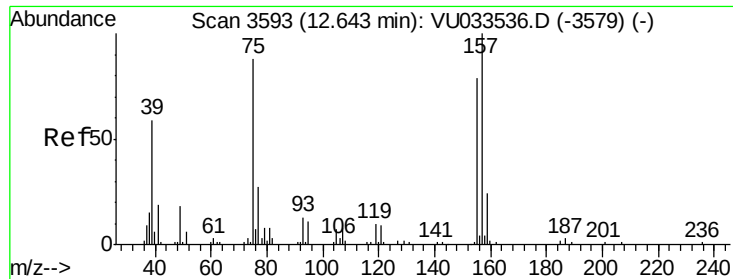
Tgt Ion:146 Resp: 14357
Ion Ratio Lower Upper
146 100
111 40.7 27.2 50.4
148 63.7 44.5 82.7



#65
1,2-Dichlorobenzene
Concen: 3.314 ug/L
RT: 11.86 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VU033541.D
Acq: 01 Aug 2019 11:17

Tgt Ion:146 Resp: 14715
Ion Ratio Lower Upper
146 100
111 43.3 31.7 47.5
148 66.4 50.3 75.5

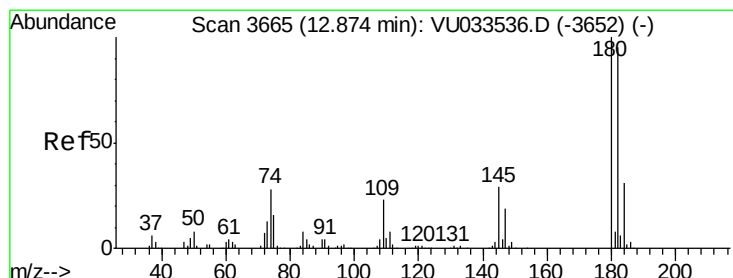
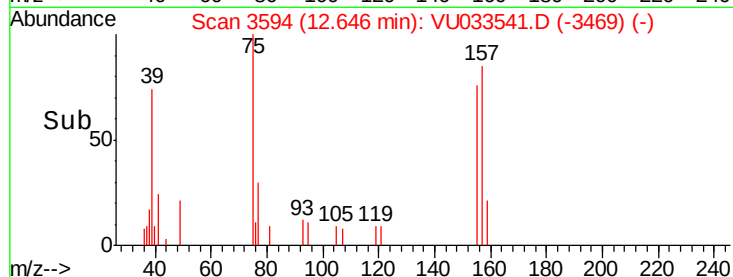
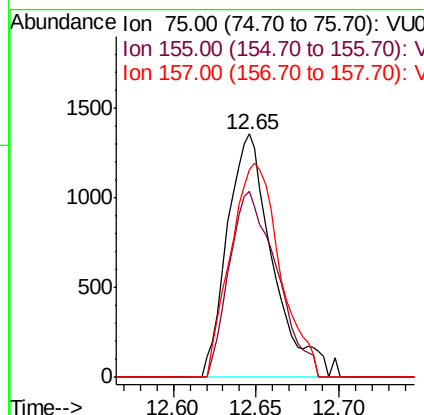
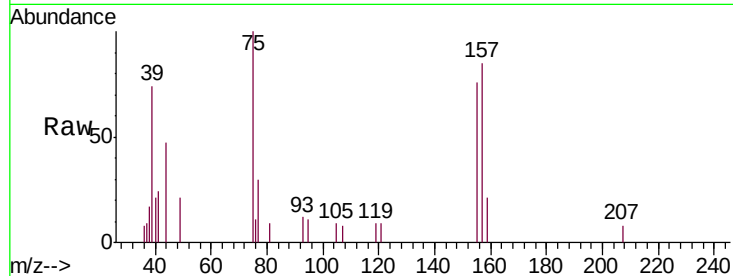




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.158 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

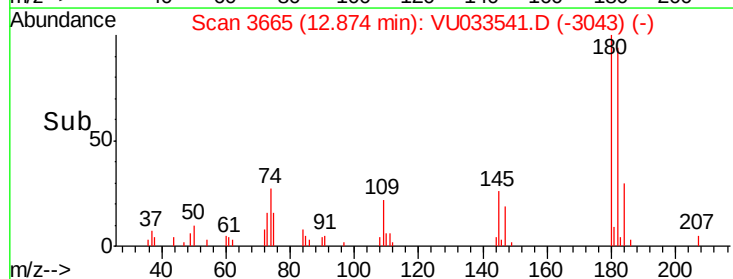
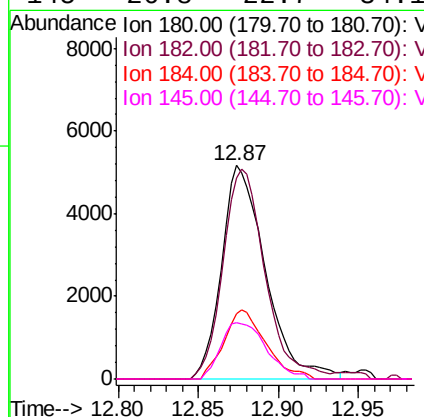
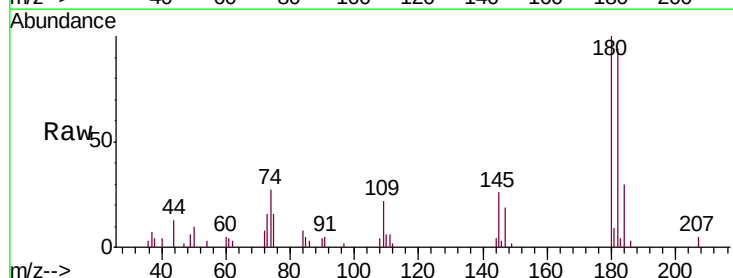
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

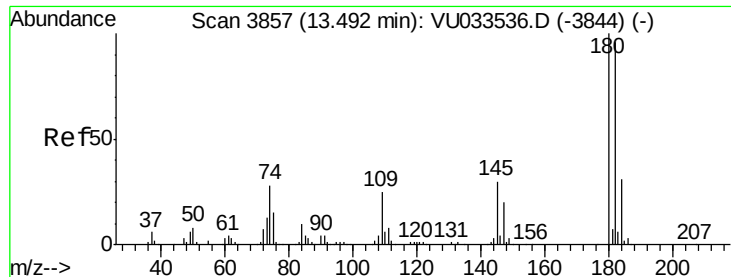
Tgt Ion: 75 Resp: 2591
 Ion Ratio Lower Upper
 75 100
 155 76.5 69.4 104.0
 157 85.3 91.8 137.8#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.741 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

Tgt Ion: 180 Resp: 9711
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.6 113.4
 184 30.7 24.2 36.2
 145 26.8 22.7 34.1





#68

1,2,4-trichlorobenzene

Concen: 2.241 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.01 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

MDL04

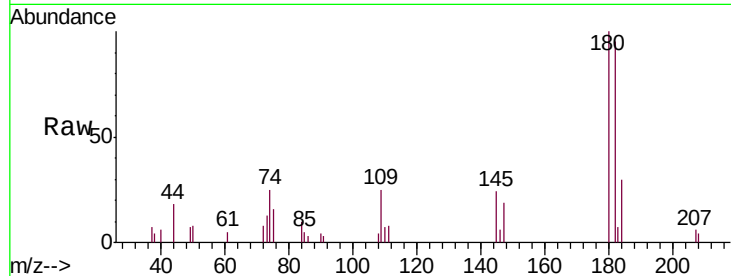
Tgt Ion:180 Resp: 6786

Ion Ratio Lower Upper

180 100

182 92.2 75.8 113.8

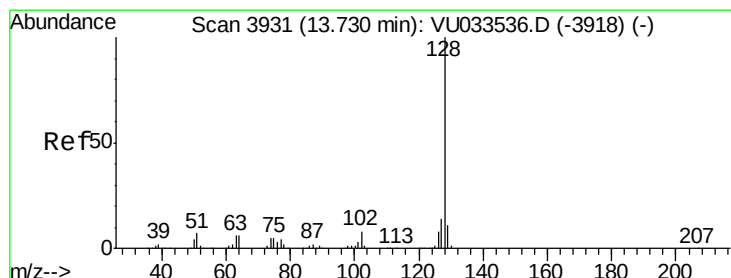
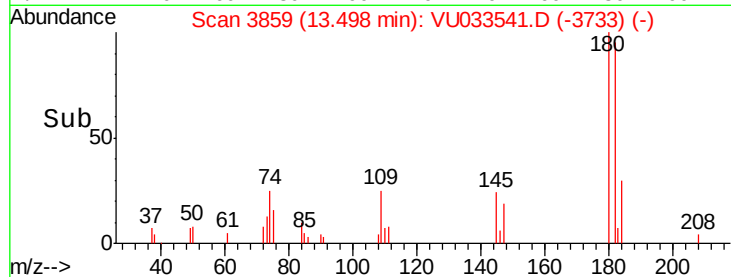
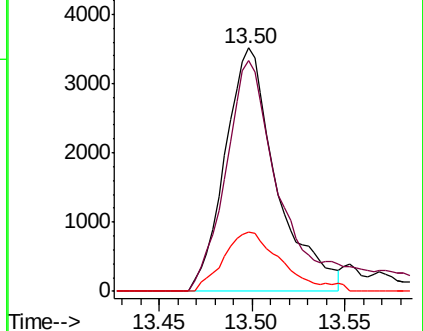
145 26.3 24.3 36.5



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: 1.738 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033541.D

Acq: 01 Aug 2019 11:17

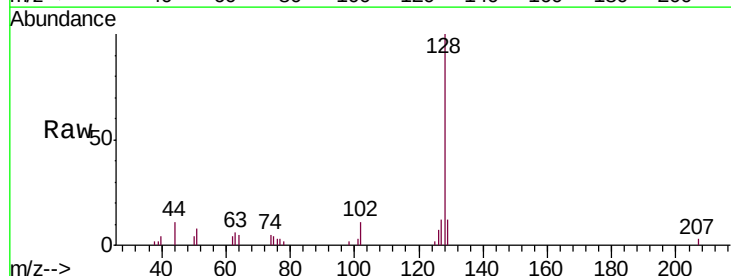
Tgt Ion:128 Resp: 15101

Ion Ratio Lower Upper

128 100

127 11.4 10.8 16.2

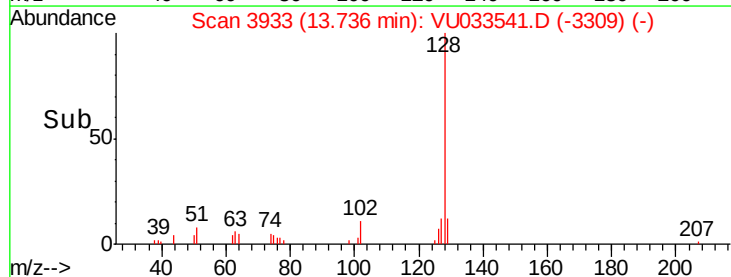
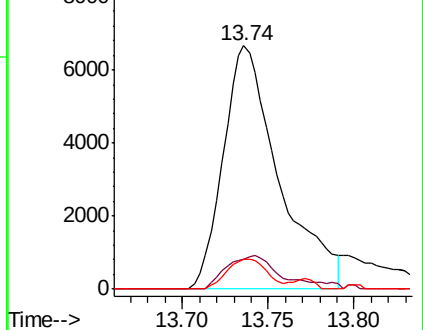
129 8.9 8.7 13.1

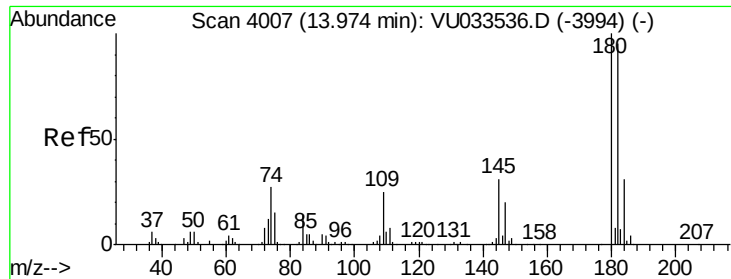


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

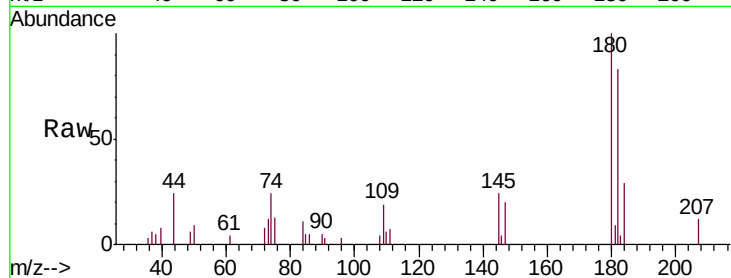




#70
 1,2,3-Trichlorobenzene
 Concen: 2.347 ug/L
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU033541.D
 Acq: 01 Aug 2019 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.1	75.5	113.3
145	25.5	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

