

Data File : VU033804.D
Acq On : 15 Aug 2019 11:50
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Aug 16 01:11:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	187420	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	194179	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	89599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	83914	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.67	69	71243	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.26	65	38629	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.19	46	188652	46.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.06%
24) Chloroform-d	4.62	84	134594	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.29	65	74530	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.32	84	251021	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.31	67	83304	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.55	98	210050	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
43) trans-1,3-Dichloropropene-	7.84	79	31079	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.30	63	129643	43.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.90%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	70144	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
66) 1,2-Dichlorobenzene-d4	11.85	152	86307	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5944	0.219 ug/L	97
3) Chloromethane	1.32	50	7662	0.272 ug/L	94
5) Vinyl chloride	1.39	62	8166	0.266 ug/L #	71
6) Bromomethane	1.62	94	4855	0.271 ug/L	93
8) Chloroethane	1.69	64	4979	0.274 ug/L	100
9) Trichlorofluoromethane	1.87	101	10666	0.253 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6760	0.302 ug/L	89
12) 1,1-Dichloroethene	2.27	96	6888	0.319 ug/L #	1
14) Carbon disulfide	2.46	76	20283	0.277 ug/L	99
15) Methyl Acetate	2.61	43	2169	0.191 ug/L #	81
16) Methylene chloride	2.68	84	9862	0.391 ug/L	88
17) Methyl tert-butyl Ether	2.98	73	14262	0.255 ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	6935	0.299 ug/L	85
19) 1,1-Dichloroethane	3.42	63	9211	0.254 ug/L	92
21) 2-Butanone	4.28	43	11520	2.130 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	4868	0.246 ug/L	88
23) Bromochloromethane	4.53	128	2293	0.242 ug/L	91

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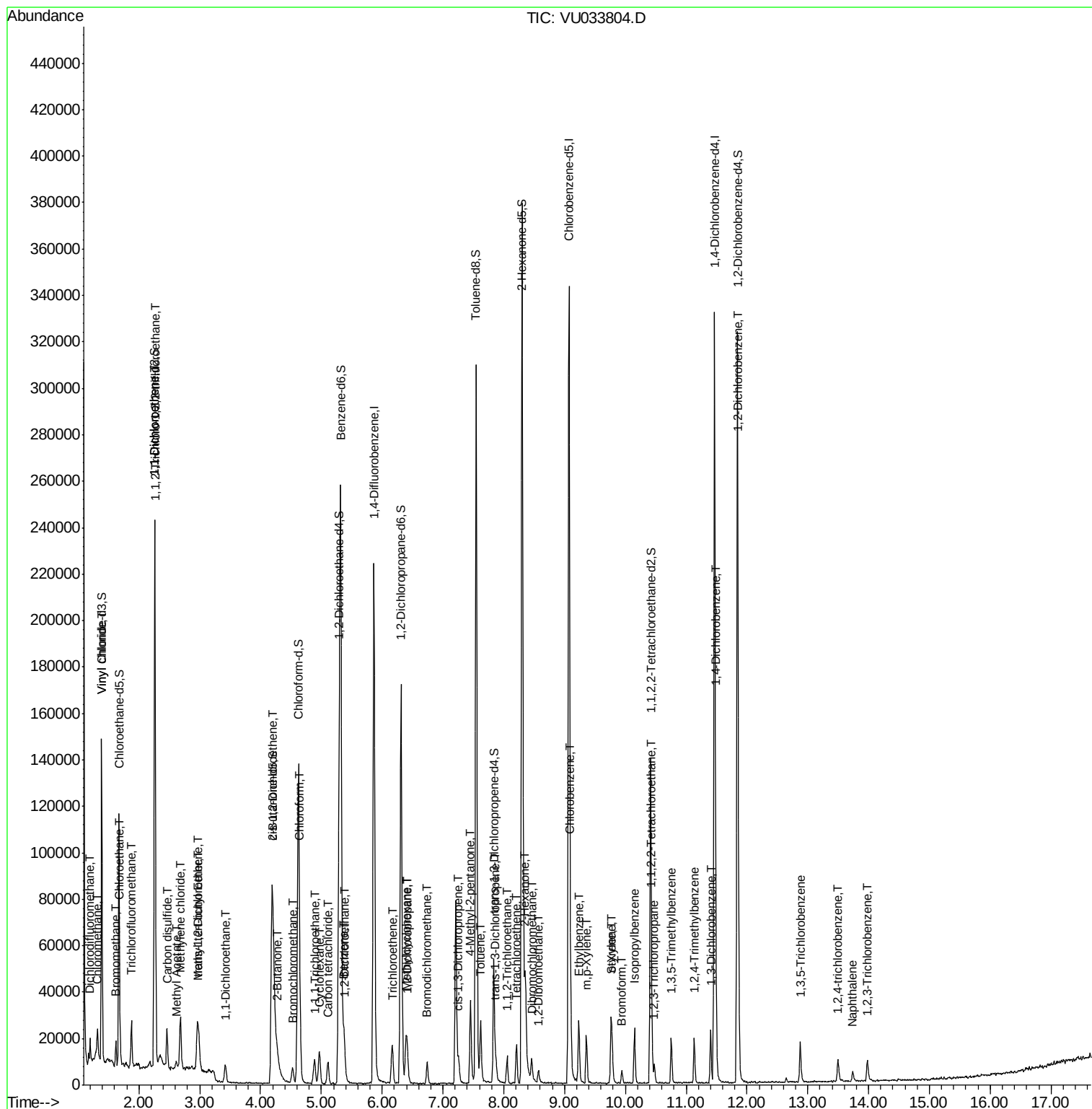
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	14469	0.371	ug/L	97
27) 1,2-Dichloroethane	5.39	62	6075	0.253	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	7743	0.245	ug/L	98
30) Cyclohexane	4.97	56	6038	0.211	ug/L	97
31) Carbon tetrachloride	5.11	117	7007	0.249	ug/L	96
33) Benzene	5.37	78	19888	0.256	ug/L	100
34) Trichloroethene	6.17	95	5331	0.262	ug/L	92
35) Methylcyclohexane	6.39	83	6152	0.201	ug/L	98
37) 1,2-Dichloropropane	6.42	63	5430	0.259	ug/L	98
38) Bromodichloromethane	6.74	83	6959	0.263	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	6273	0.221	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	25316	2.087	ug/L #	88
42) Toluene	7.62	91	19200	0.235	ug/L	90
44) trans-1,3-Dichloropropene	7.87	75	5464	0.231	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	3373	0.225	ug/L	95
47) Tetrachloroethene	8.21	164	4059	0.239	ug/L	95
48) 2-Hexanone	8.36	43	27092	3.089	ug/L	96
49) Dibromochloromethane	8.46	129	4474	0.246	ug/L	87
50) 1,2-Dibromoethane	8.57	107	3523	0.243	ug/L #	95
51) Chlorobenzene	9.10	112	12890	0.245	ug/L	97
52) Ethylbenzene	9.23	91	18219	0.216	ug/L	99
53) m,p-Xylene	9.36	106	6433	0.202	ug/L	99
54) o-Xylene	9.76	106	6086	0.201	ug/L	97
55) Styrene	9.78	104	9886	0.188	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.44	83	4773	0.242	ug/L #	96
59) Isopropylbenzene	10.15	105	15013	0.220	ug/L	99
60) Bromoform	9.94	173	2565	0.280	ug/L #	94
61) 1,2,3-Trichloropropane	10.48	75	3323	0.279	ug/L	96
62) 1,3,5-Trimethylbenzene	10.76	105	10789	0.195	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	10944	0.198	ug/L	98
64) 1,3-Dichlorobenzene	11.40	146	9517	0.261	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	10557	0.281	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	9897	0.281	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	6923	0.241	ug/L	97
70) 1,2,4-trichlorobenzene	13.50	180	4360	0.195	ug/L	96
71) Naphthalene	13.74	128	5623	0.163	ug/L #	83
72) 1,2,3-Trichlorobenzene	13.98	180	4586	0.218	ug/L	96

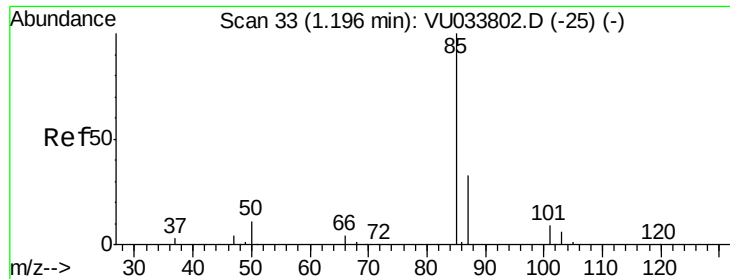
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.219 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

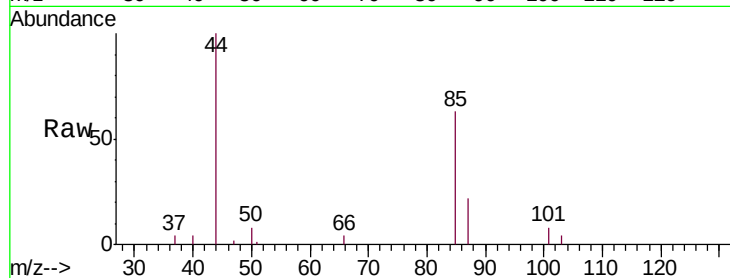
MDL03

Tgt Ion: 85 Resp: 5944

Ion Ratio Lower Upper

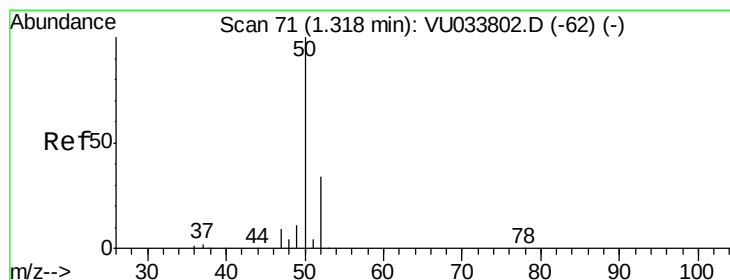
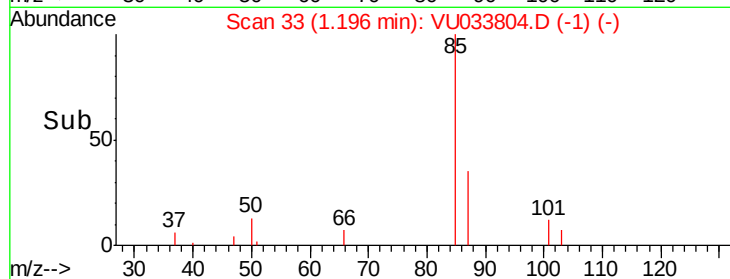
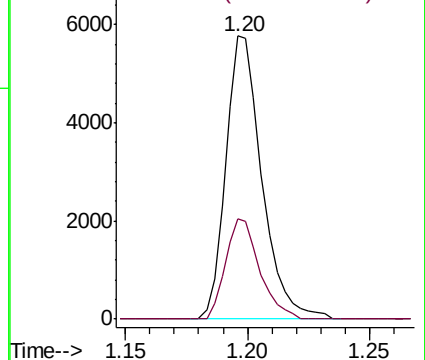
85 100

87 33.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.272 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033804.D

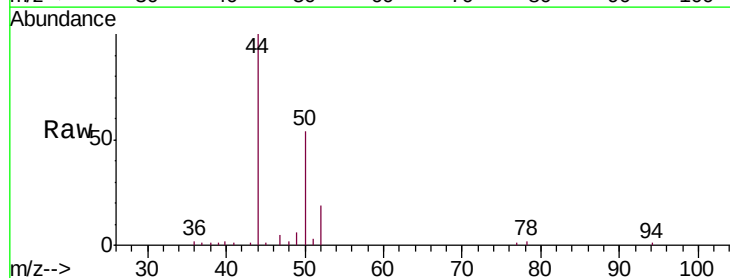
Acq: 15 Aug 2019 11:50

Tgt Ion: 50 Resp: 7662

Ion Ratio Lower Upper

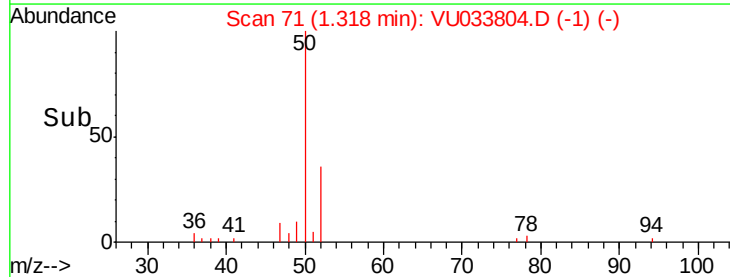
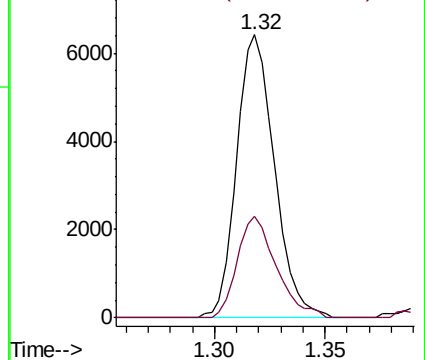
50 100

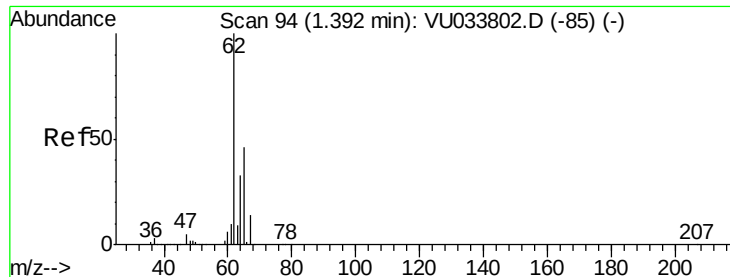
52 35.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 0.266 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033804.D

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Instrument :

MSVOA_U

ClientSampleId :

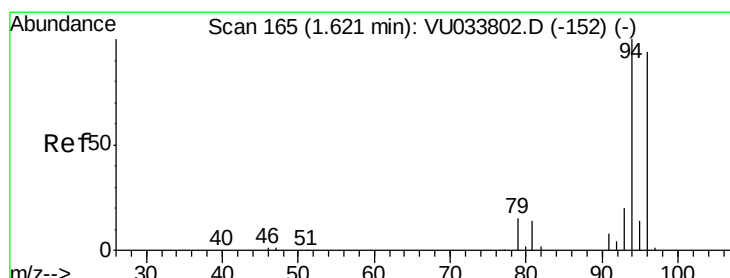
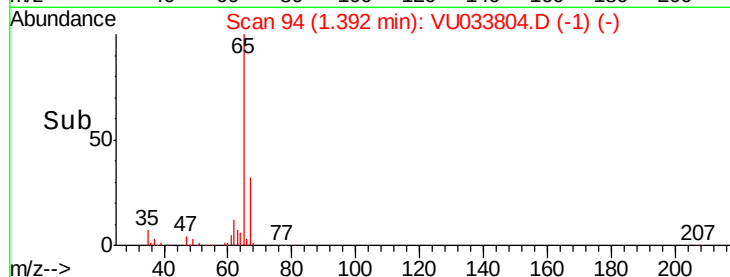
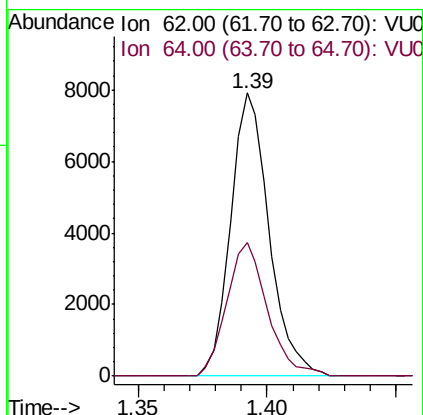
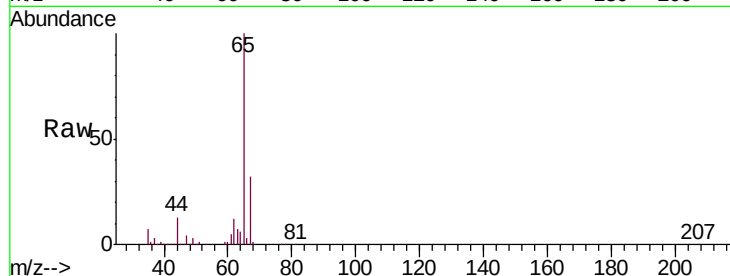
MDL03

Tgt Ion: 62 Resp: 8166

Ion Ratio Lower Upper

62 100

64 47.1 21.9 40.7#



#6

Bromomethane

Concen: 0.271 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033804.D

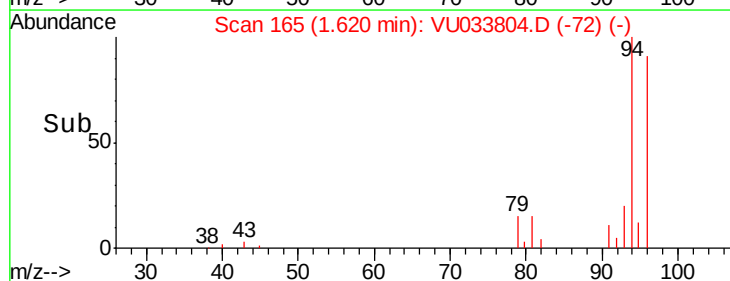
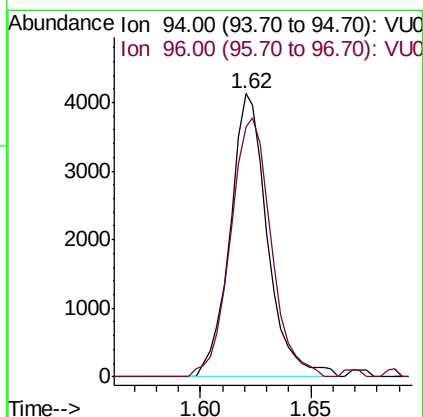
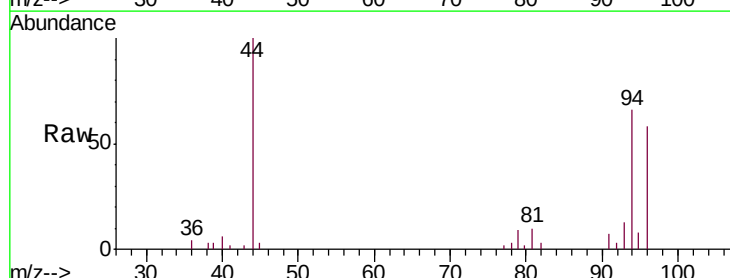
Acq: 15 Aug 2019 11:50

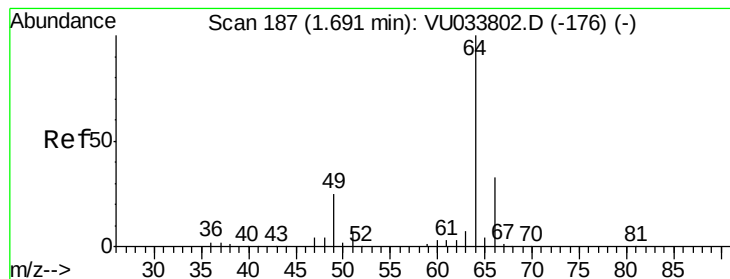
Tgt Ion: 94 Resp: 4855

Ion Ratio Lower Upper

94 100

96 88.4 66.4 123.2





#8

Chloroethane

Concen: 0.274 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

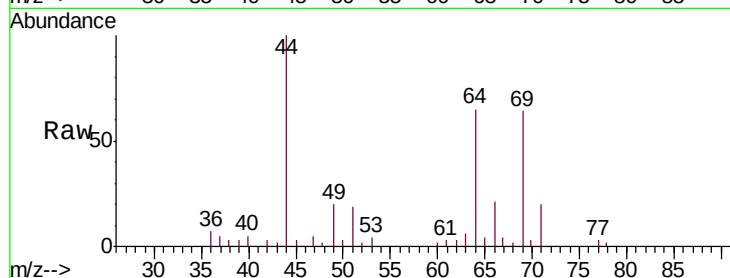
MDL03

Tgt Ion: 64 Resp: 4979

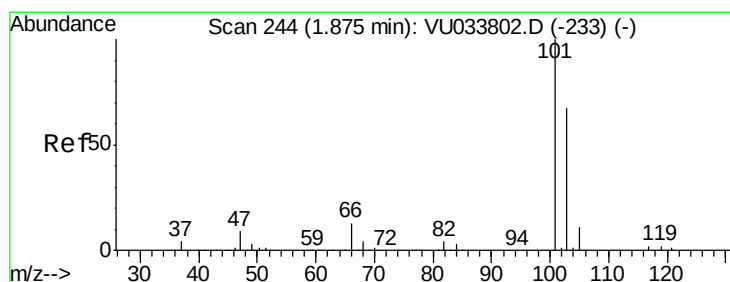
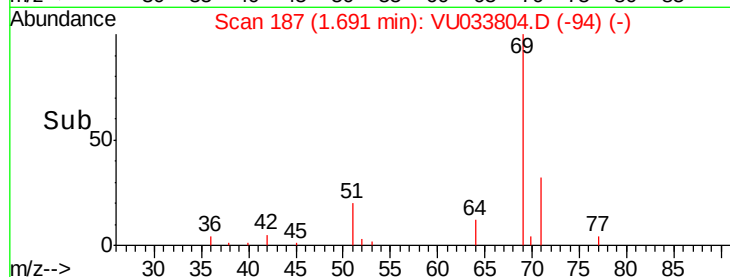
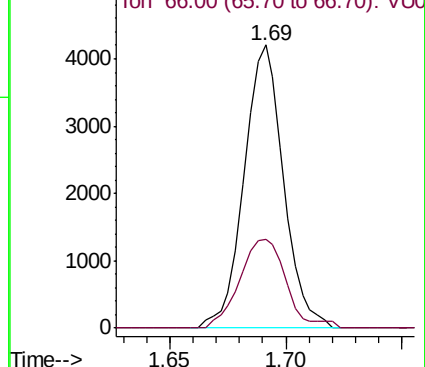
Ion Ratio Lower Upper

64 100

66 31.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033804.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 0.253 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033804.D

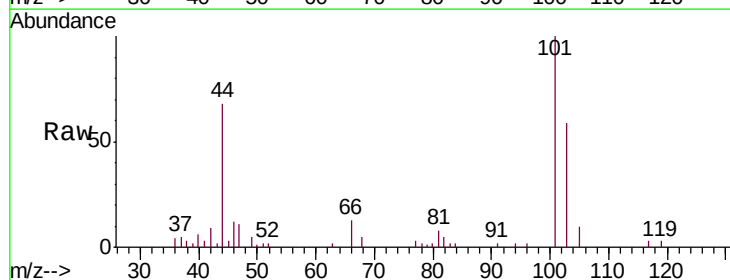
Acq: 15 Aug 2019 11:50

Tgt Ion: 101 Resp: 10666

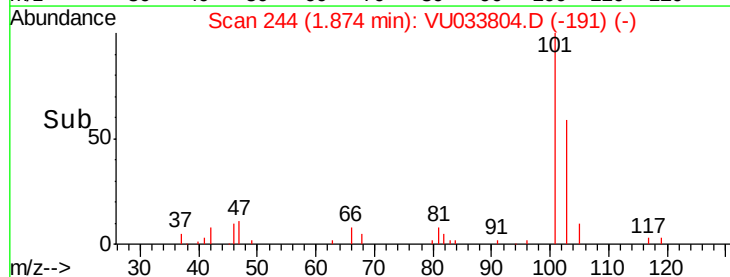
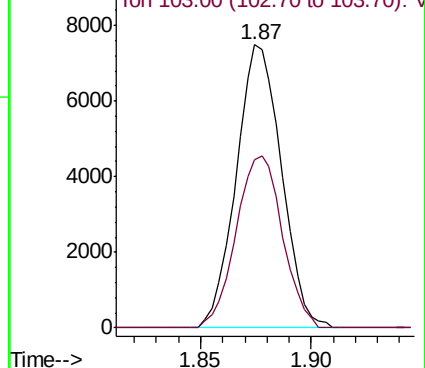
Ion Ratio Lower Upper

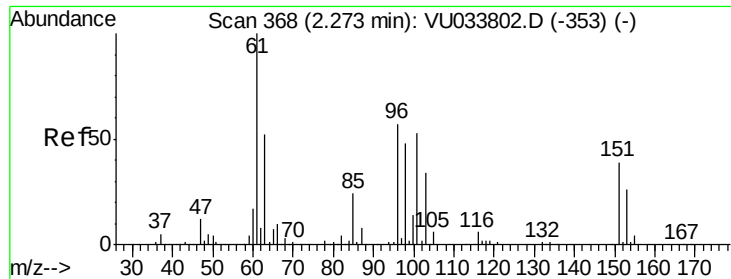
101 100

103 62.2 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU033804.D (-233) (-)





#10

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

Concen: 0.302 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

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ClientSampleId :

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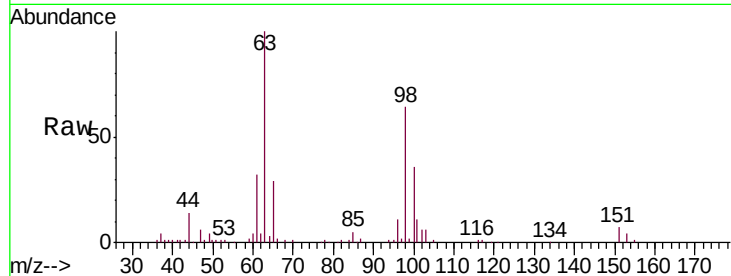
Tgt Ion:101 Resp: 6760

Ion Ratio Lower Upper

101 100

85 38.5 36.2 54.2

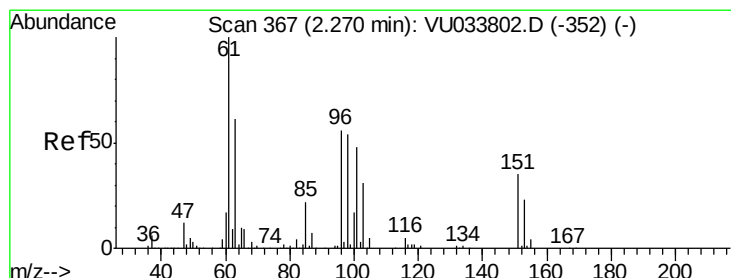
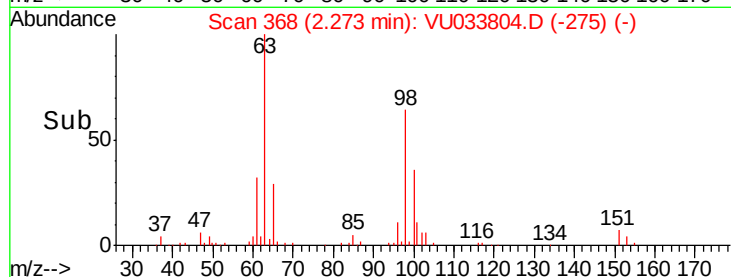
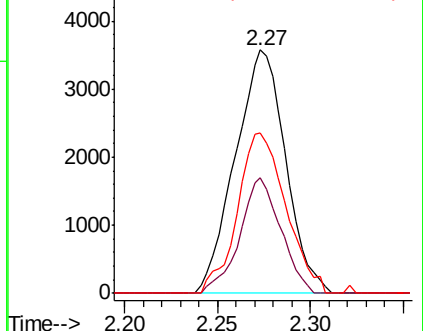
151 63.3 58.7 88.1



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: 0.319 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

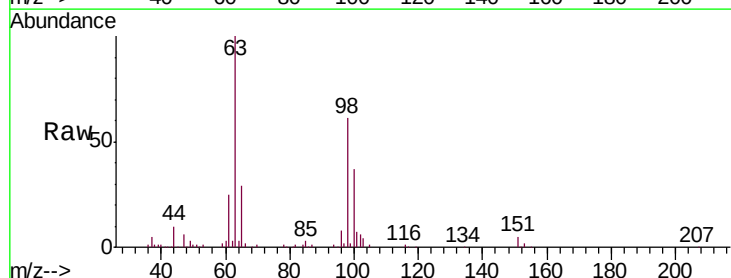
Tgt Ion: 96 Resp: 6888

Ion Ratio Lower Upper

96 100

61 305.0 123.8 230.0#

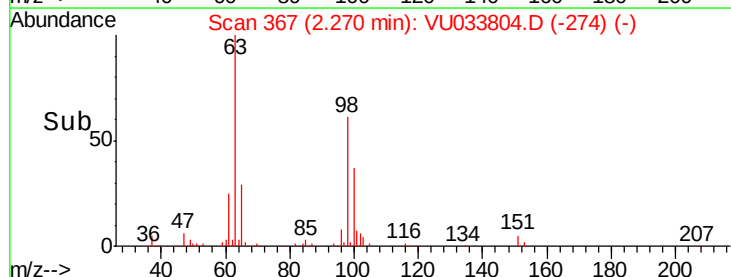
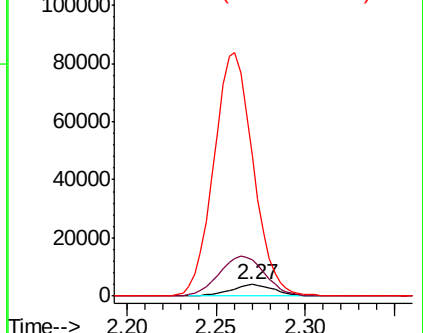
63 1198.0 78.0 144.9#

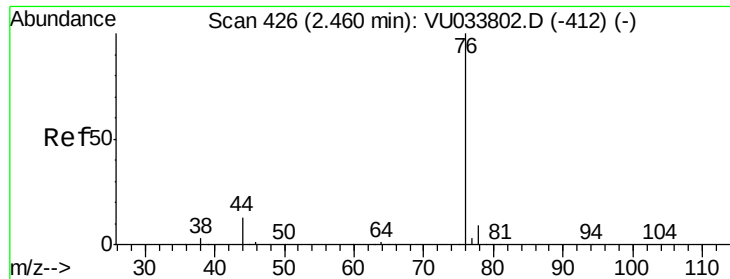


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

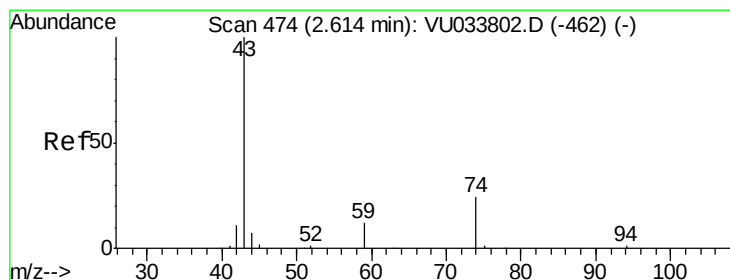
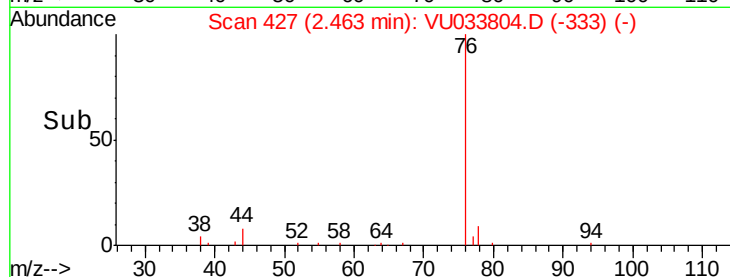
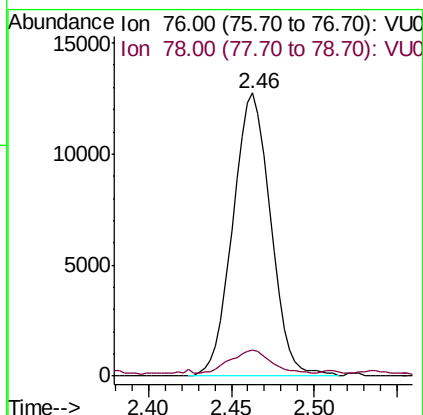
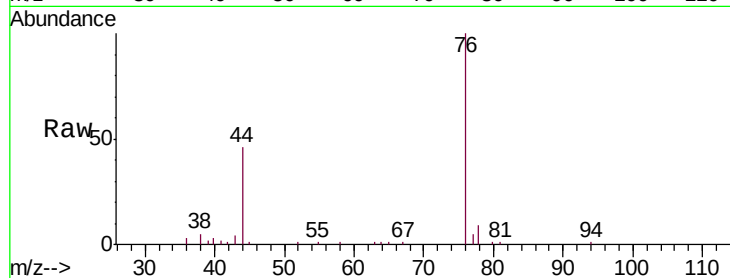




#14
Carbon disulfide
Concen: 0.277 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

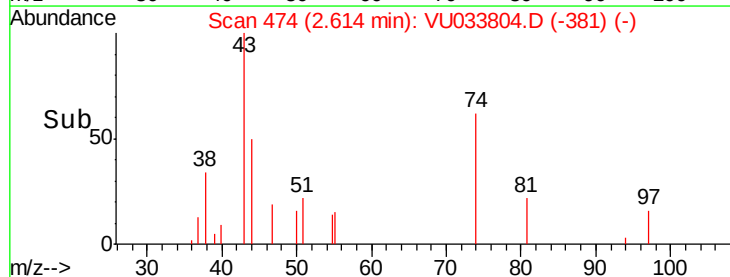
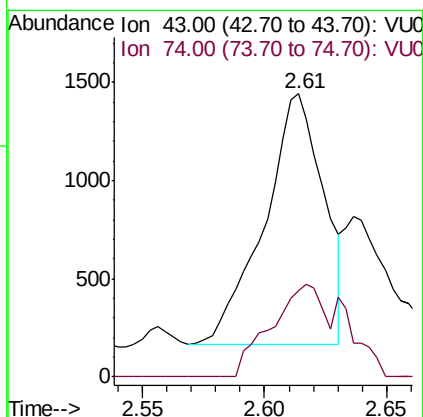
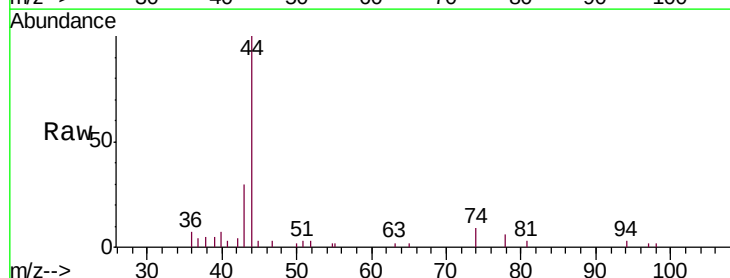
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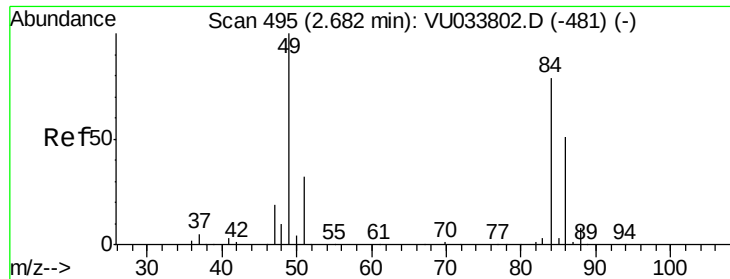
Tgt Ion: 76 Resp: 20283
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#15
Methyl Acetate
Concen: 0.191 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
74 32.8 18.8 28.2#

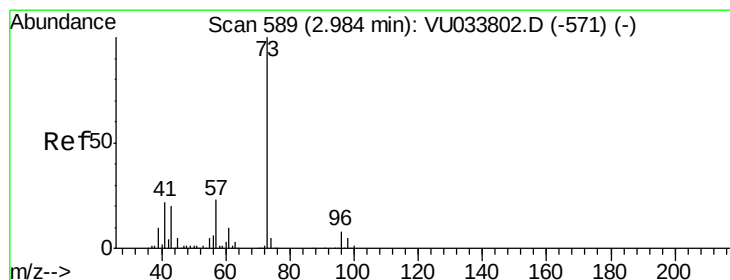
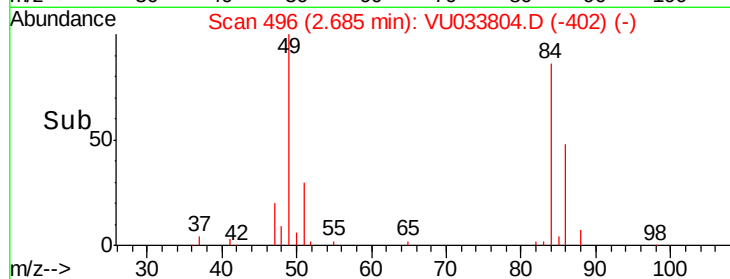
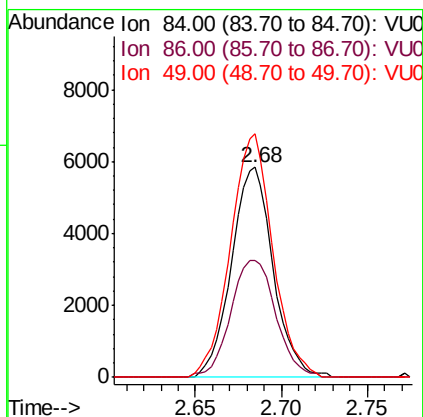
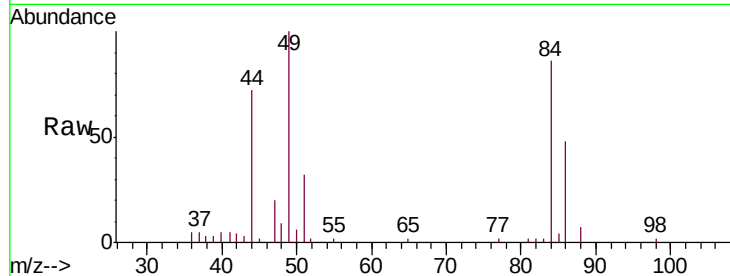




#16
Methylene chloride
Concen: 0.391 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

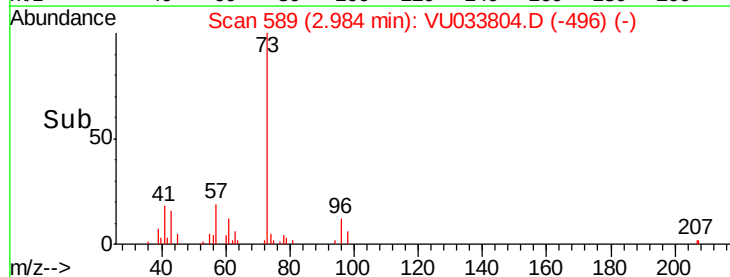
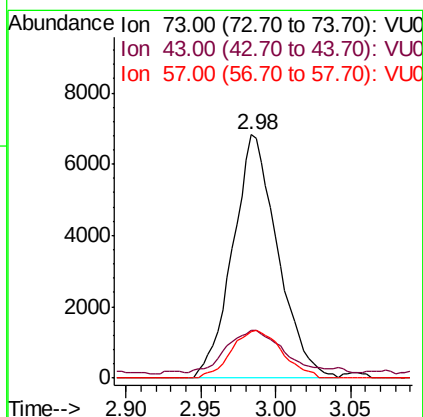
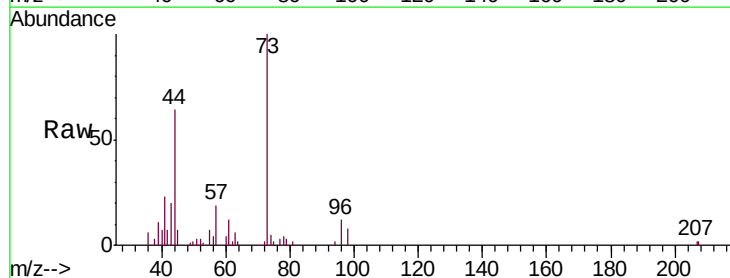
Instrument :
MSVOA_U
ClientSampleId :
MDL03

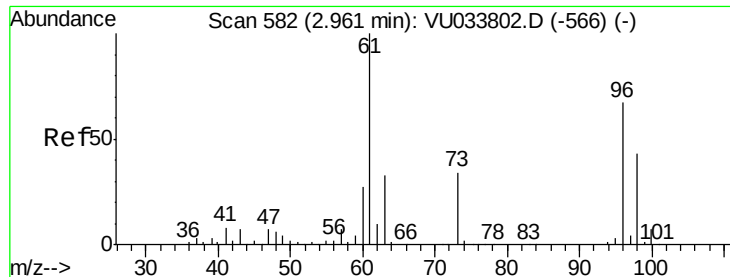
Tgt Ion: 84 Resp: 9862
Ion Ratio Lower Upper
84 100
86 55.7 46.0 85.4
49 116.1 90.4 168.0



#17
Methyl tert-butyl Ether
Concen: 0.255 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 73 Resp: 14262
Ion Ratio Lower Upper
73 100
43 21.9 16.2 24.4
57 22.1 18.9 28.3





#18

trans-1,2-Dichloroethene

Concen: 0.299 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampled :

MDL03

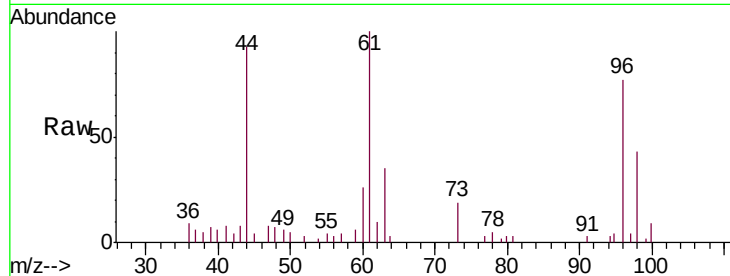
Tgt Ion: 96 Resp: 6935

Ion Ratio Lower Upper

96 100

61 129.9 107.2 199.0

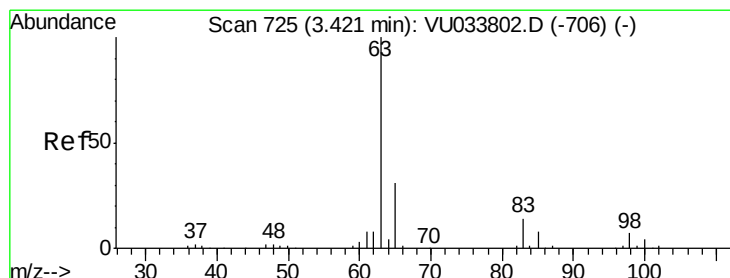
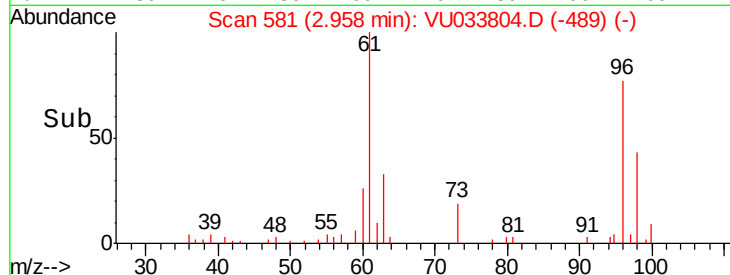
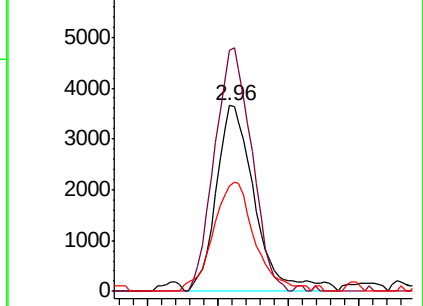
98 56.5 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VU033802.D (-566) (-)

Ion 61.00 (60.70 to 61.70): VU033802.D (-566) (-)

Ion 98.00 (97.70 to 98.70): VU033802.D (-566) (-)



#19

1,1-Dichloroethane

Concen: 0.254 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

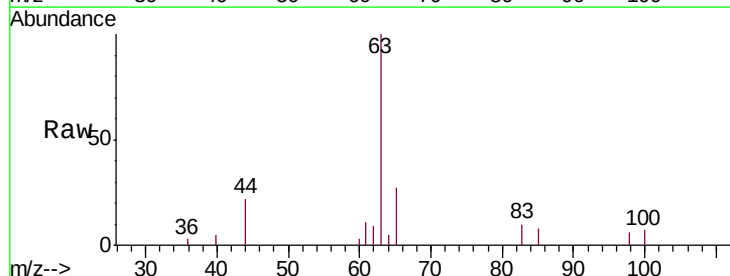
Tgt Ion: 63 Resp: 9211

Ion Ratio Lower Upper

63 100

65 27.4 22.4 41.6

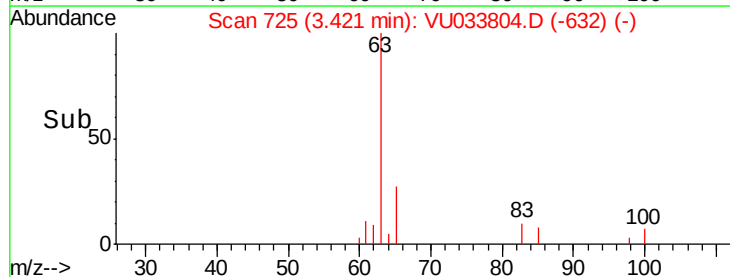
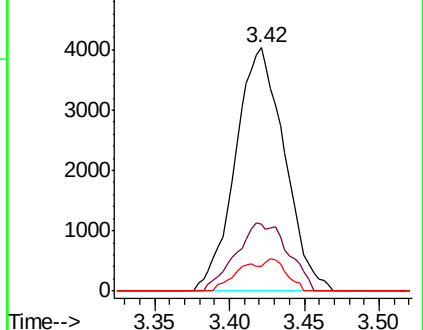
83 10.2 9.7 17.9

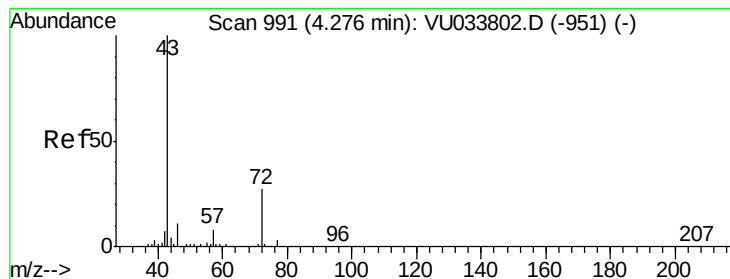


Abundance Ion 63.00 (62.70 to 63.70): VU033802.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU033802.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU033802.D (-706) (-)





#21

2-Butanone

Concen: 2.130 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

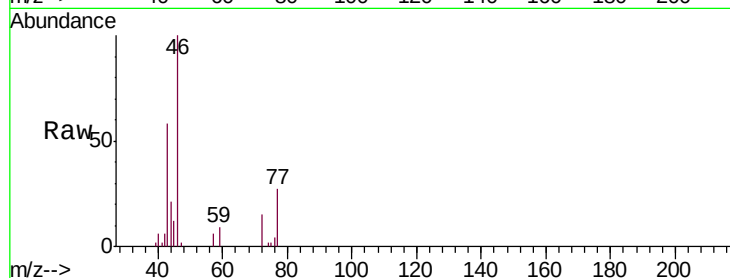
MDL03

Tgt Ion: 43 Resp: 11520

Ion Ratio Lower Upper

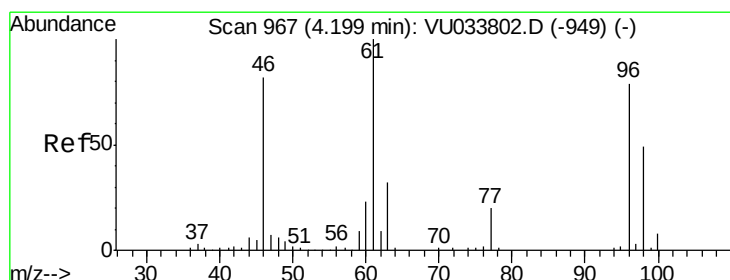
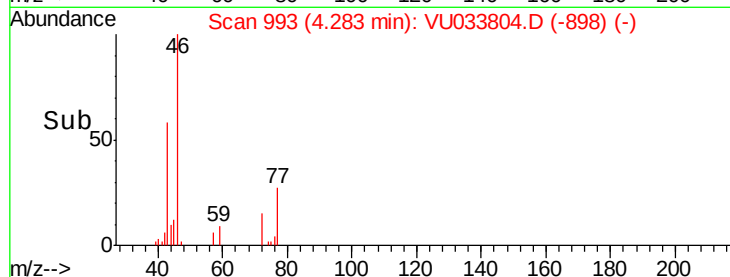
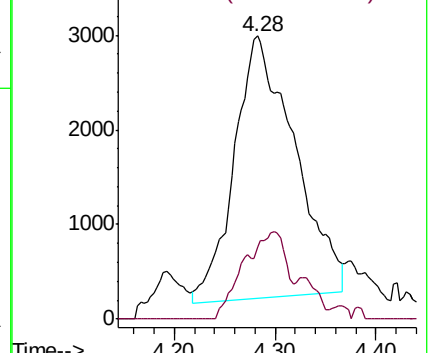
43 100

72 23.6 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU033802.D (-951) (-)

Ion 72.00 (71.70 to 72.70): VU033802.D (-951) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.246 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

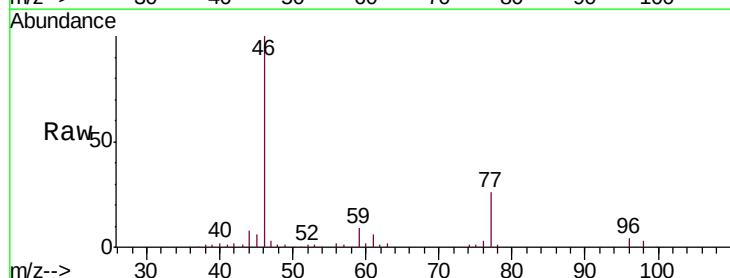
Tgt Ion: 96 Resp: 4868

Ion Ratio Lower Upper

96 100

61 142.2 91.7 170.3

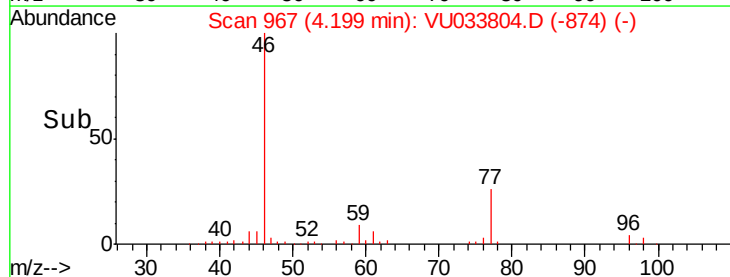
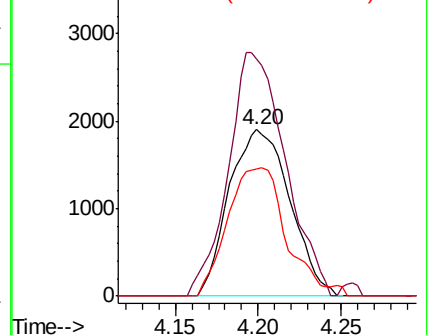
98 76.6 45.1 83.9

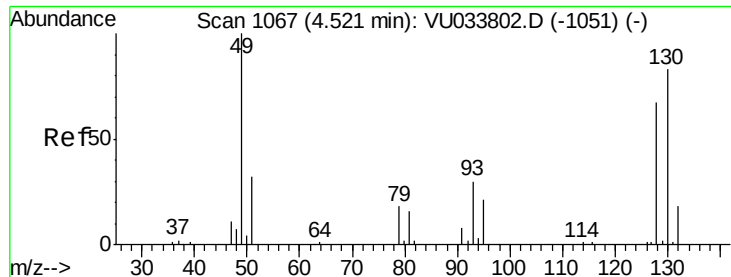


Abundance Ion 96.00 (95.70 to 96.70): VU033802.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033802.D (-949) (-)

Ion 98.00 (97.70 to 98.70): VU033802.D (-949) (-)

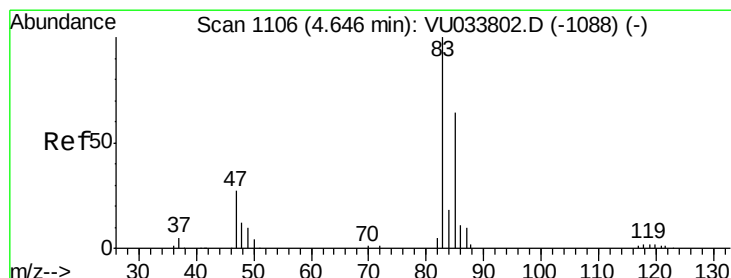
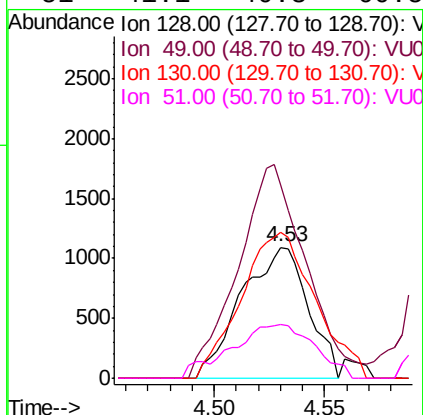
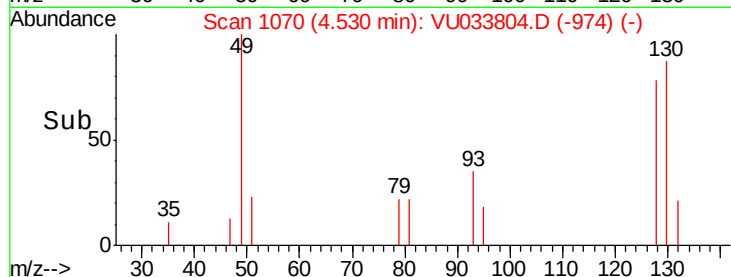
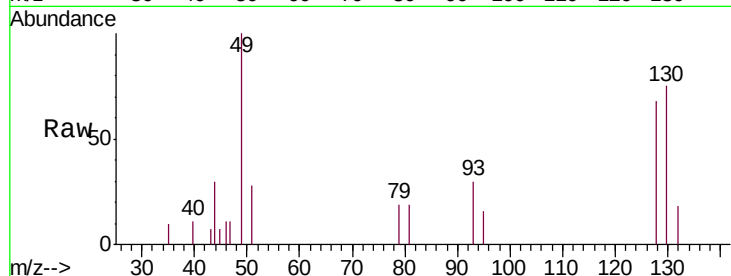




#23
 Bromochloromethane
 Concen: 0.242 ug/L
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

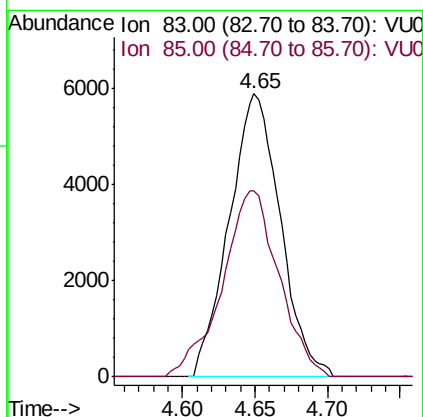
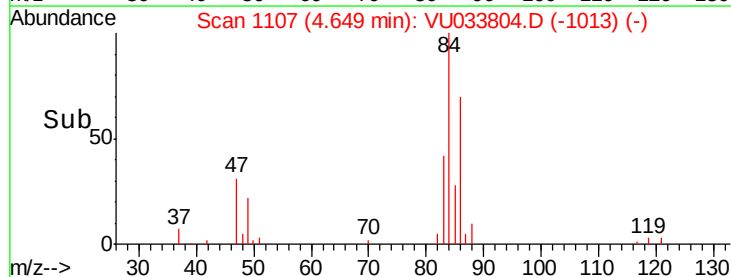
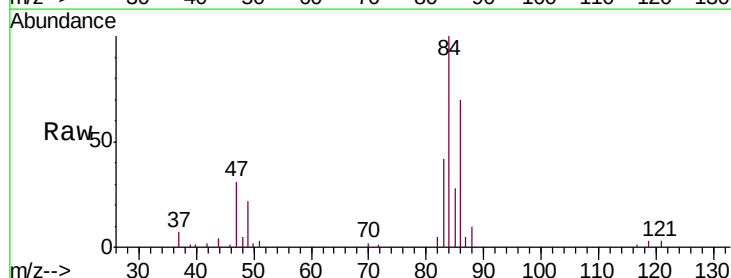
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

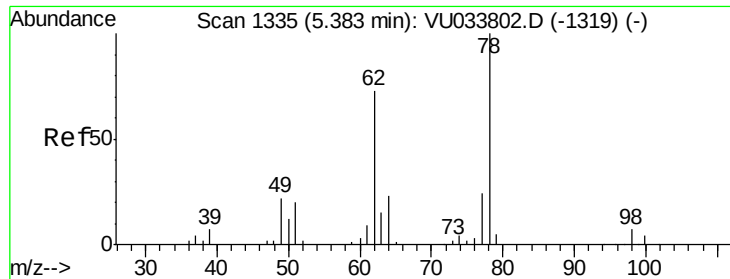
Tgt Ion:	128	Resp:	2293
Ion	Ratio	Lower	Upper
128	100		
49	148.1	106.8	198.4
130	111.7	88.3	164.1
51	41.1	40.3	60.5



#25
 Chloroform
 Concen: 0.371 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion:	83	Resp:	14469
Ion	Ratio	Lower	Upper
83	100		
85	65.7	44.2	82.0

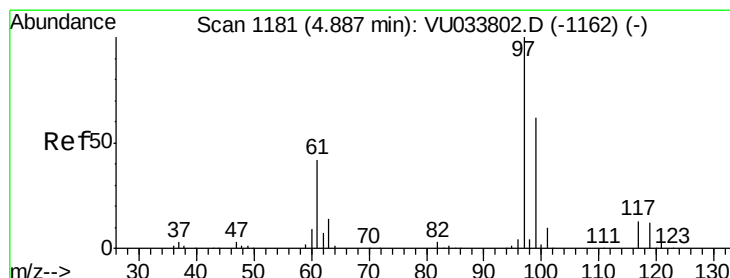
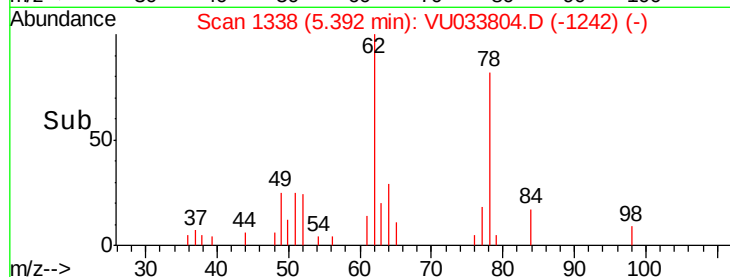
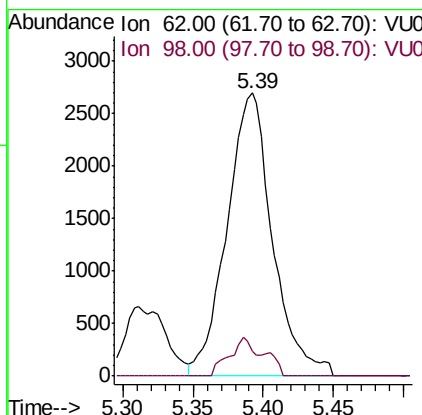
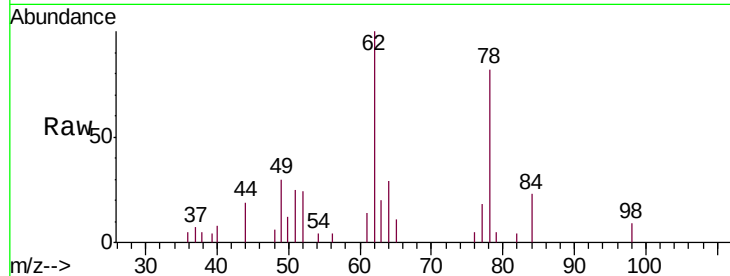




#27
 1,2-Dichloroethane
 Concen: 0.253 ug/L
 RT: 5.39 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

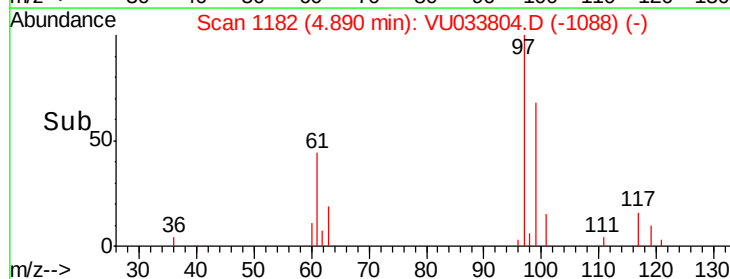
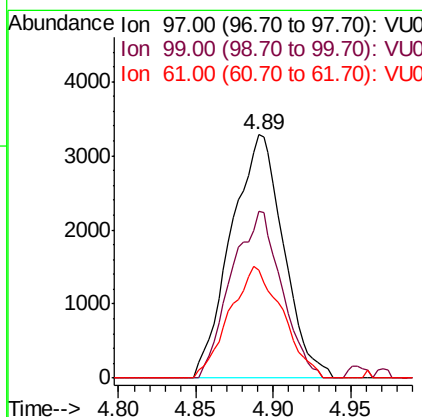
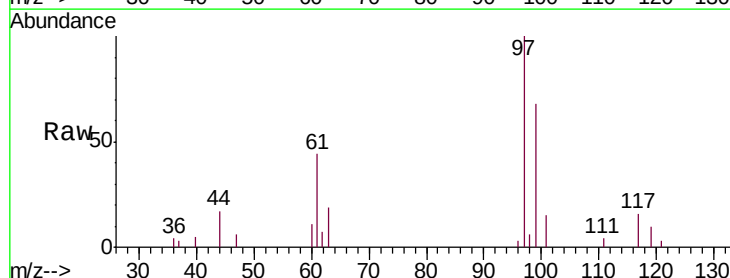
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

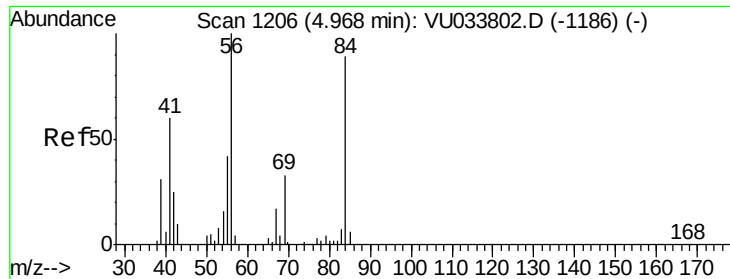
Tgt Ion: 62 Resp: 6075
 Ion Ratio Lower Upper
 62 100
 98 8.9 7.4 11.0



#29
 1,1,1-Trichloroethane
 Concen: 0.245 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion: 97 Resp: 7743
 Ion Ratio Lower Upper
 97 100
 99 65.8 50.8 76.2
 61 46.1 37.4 56.0

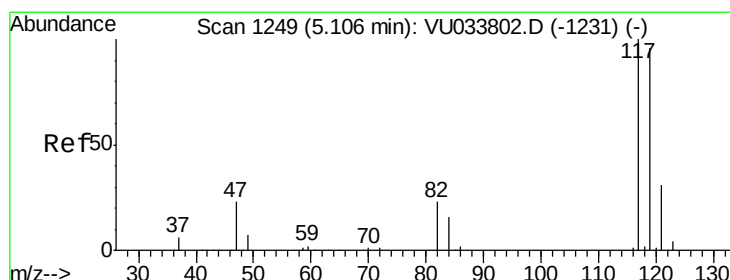
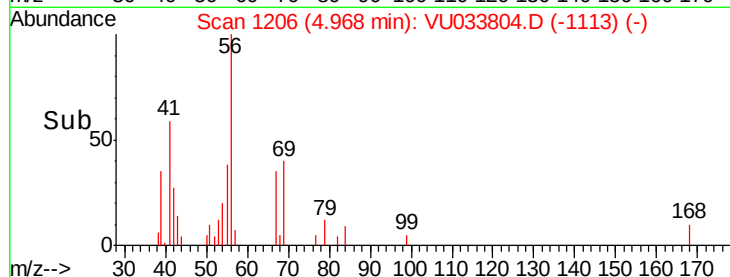
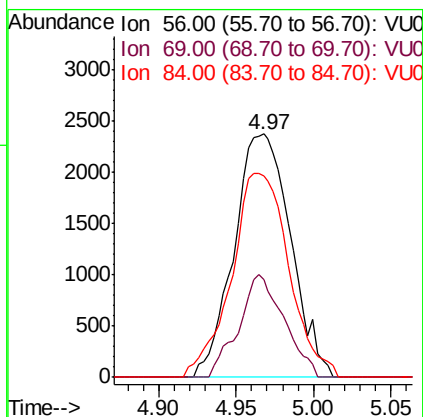
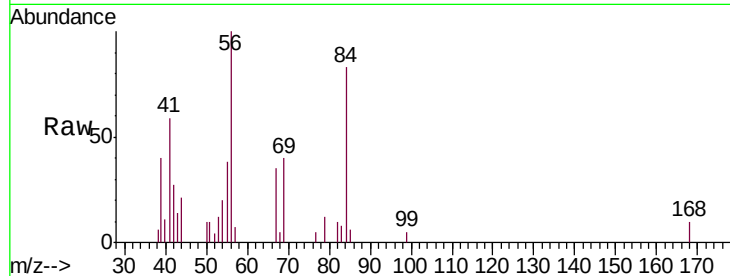




#30
Cyclohexane
Concen: 0.211 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

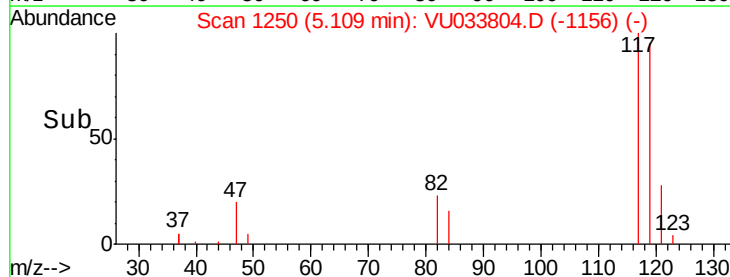
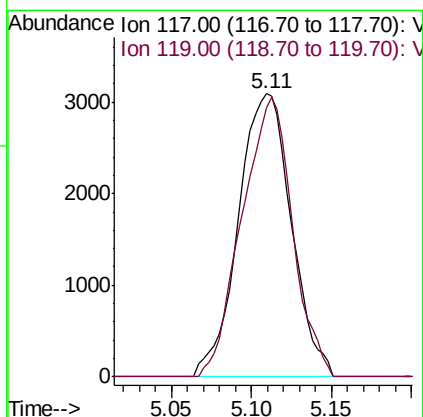
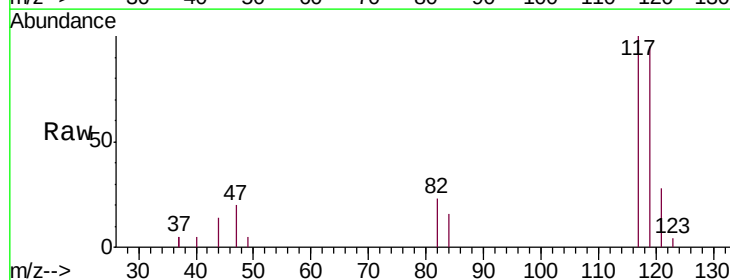
Instrument :
MSVOA_U
ClientSampleId :
MDL03

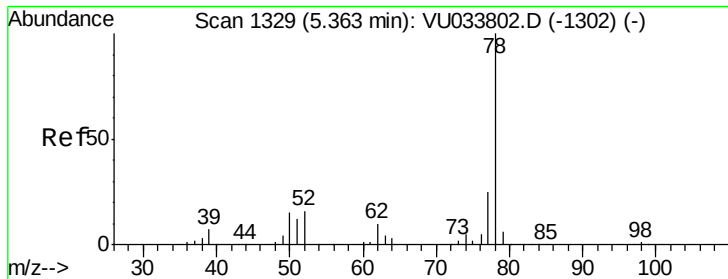
Tgt Ion: 56 Resp: 6038
Ion Ratio Lower Upper
56 100
69 33.8 25.2 37.8
84 85.0 69.8 104.6



#31
Carbon tetrachloride
Concen: 0.249 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 117 Resp: 7007
Ion Ratio Lower Upper
117 100
119 94.4 78.5 117.7





#33

Benzene

Concen: 0.256 ug/L

RT: 5.37 min Scan# 1331

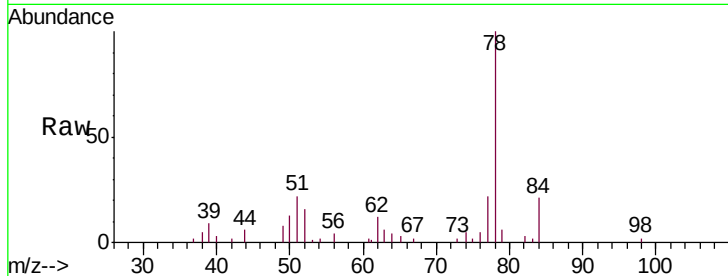
Delta R.T. 0.01 min

Lab File: VU033804.D

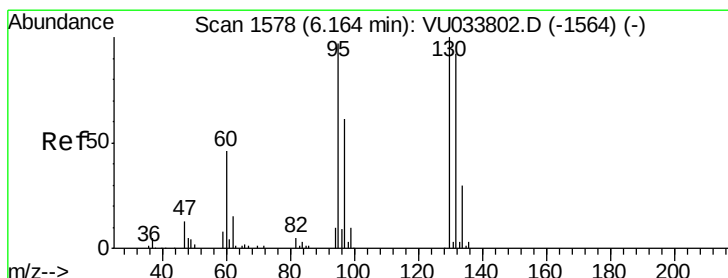
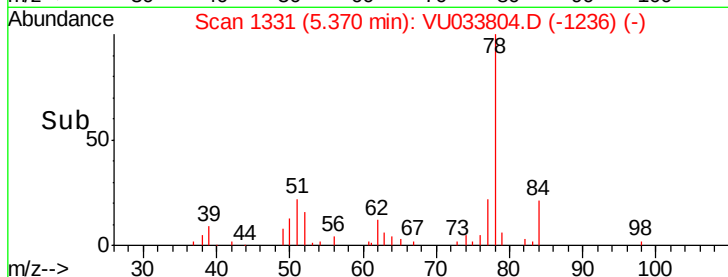
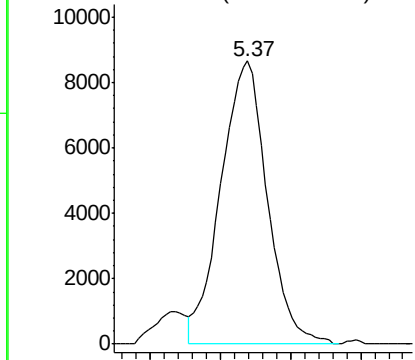
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion: 78 Resp: 19888



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 0.262 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion: 95 Resp: 5331

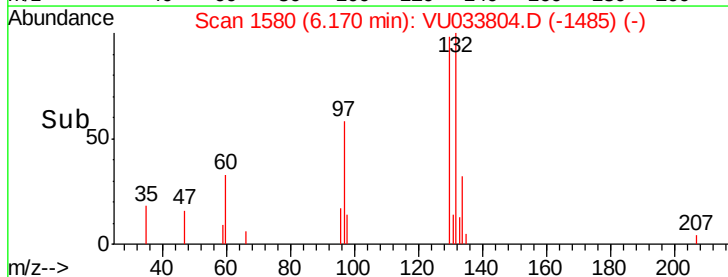
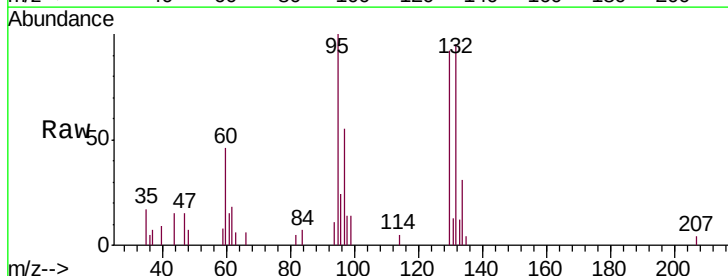
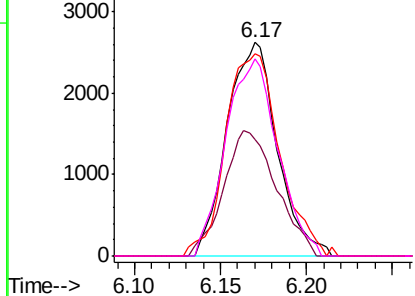
Ion	Ratio	Lower	Upper
95	100		
97	54.7	45.4	84.4
132	94.8	68.9	127.9
130	92.5	70.5	130.9

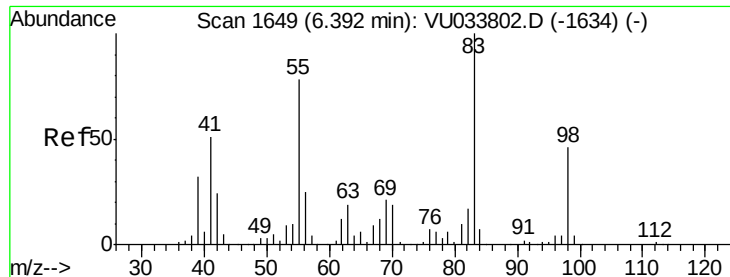
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

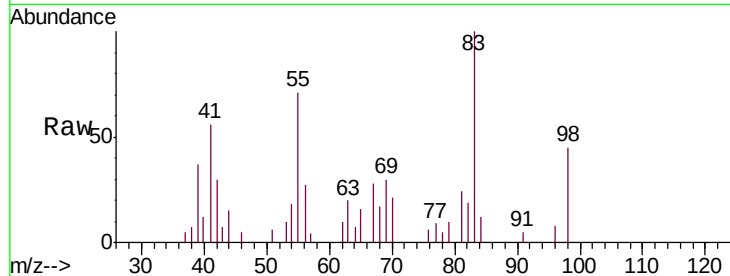




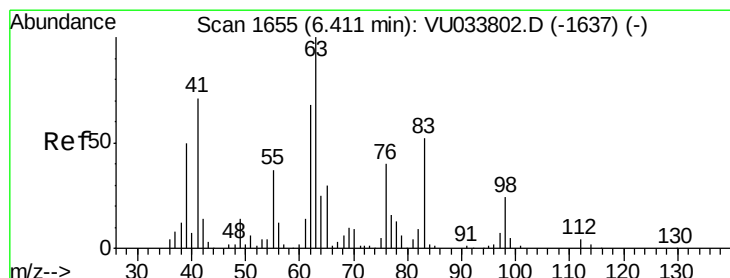
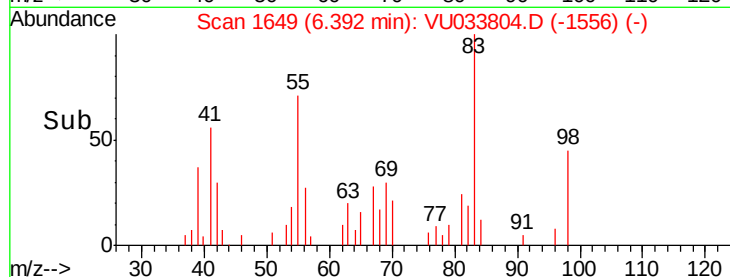
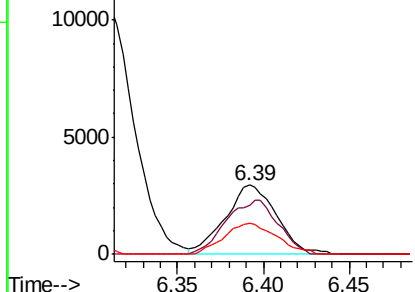
#35
Methylcyclohexane
Concen: 0.201 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 83 Resp: 6152
Ion Ratio Lower Upper
83 100
55 78.9 65.0 97.6
98 45.9 36.2 54.4

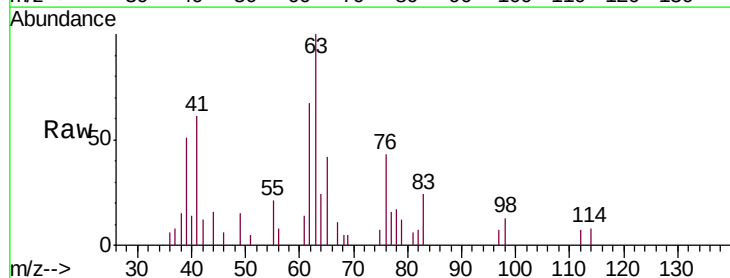


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

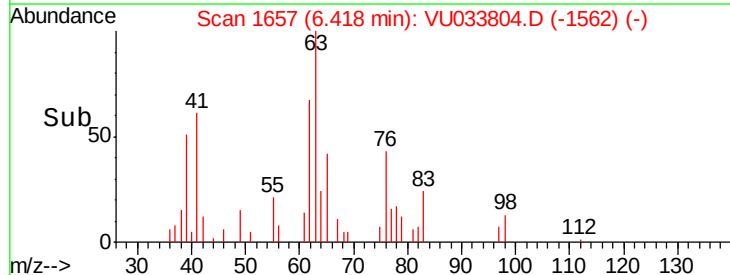
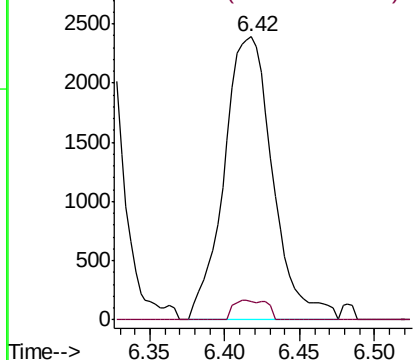


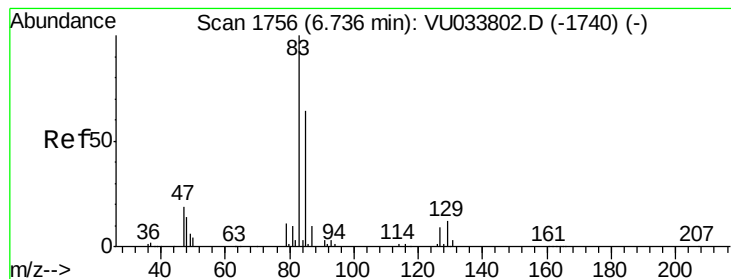
#37
1,2-Dichloropropane
Concen: 0.259 ug/L
RT: 6.42 min Scan# 1657
Delta R.T. 0.01 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 63 Resp: 5430
Ion Ratio Lower Upper
63 100
112 4.8 3.3 4.9



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





#38

Bromodichloromethane

Concen: 0.263 ug/L

RT: 6.74 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

MDL03

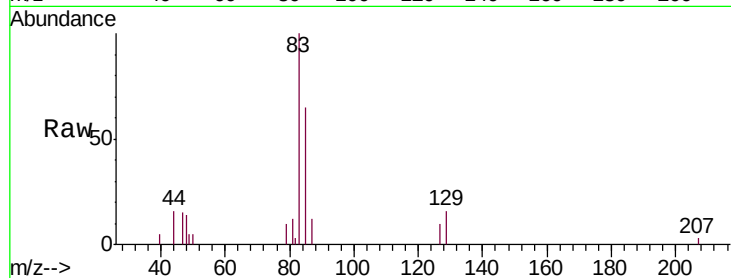
Tgt Ion: 83 Resp: 6959

Ion Ratio Lower Upper

83 100

85 65.0 45.0 83.6

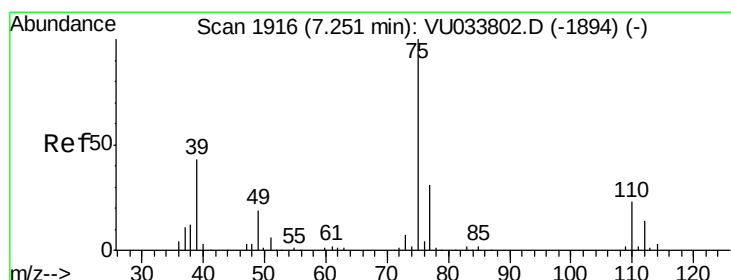
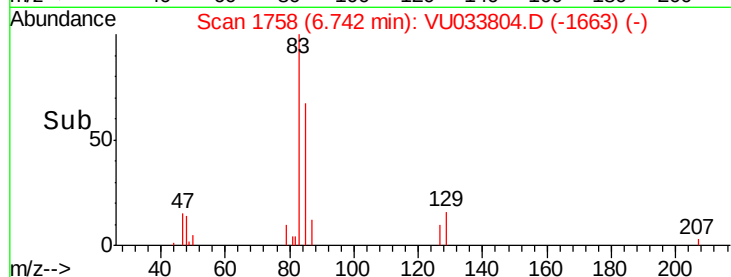
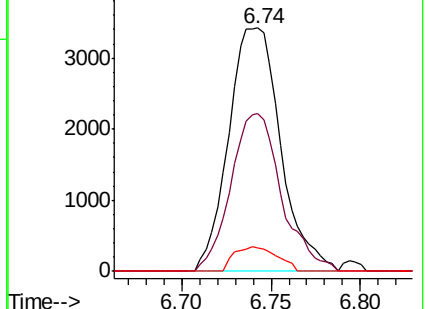
127 9.8 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU033804.D (-1663) (-)

Ion 85.00 (84.70 to 85.70): VU033804.D (-1663) (-)

Ion 127.00 (126.70 to 127.70): VU033804.D (-1663) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.221 ug/L

RT: 7.26 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VU033804.D

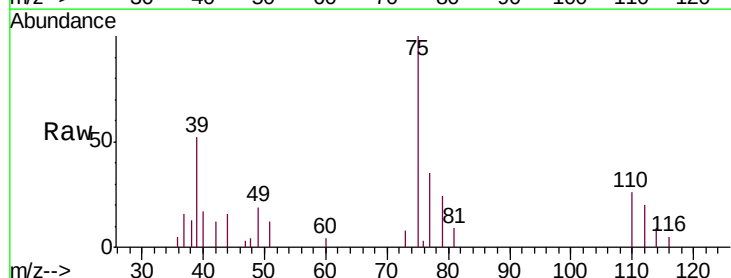
Acq: 15 Aug 2019 11:50

Tgt Ion: 75 Resp: 6273

Ion Ratio Lower Upper

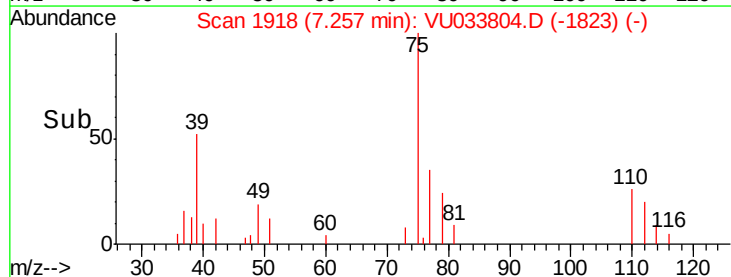
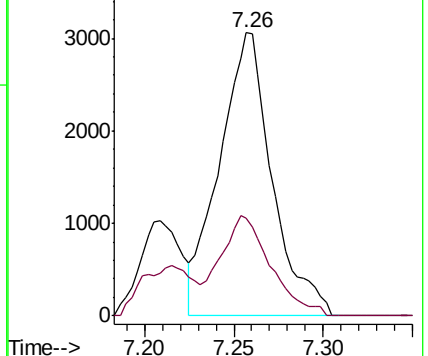
75 100

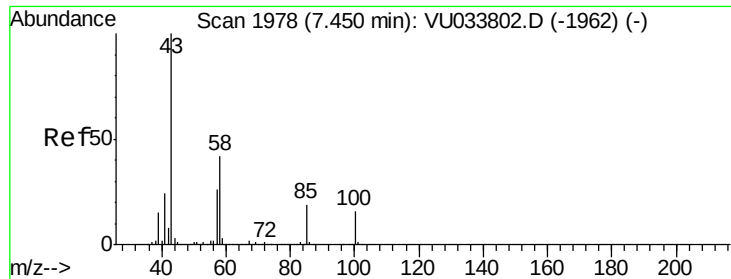
77 34.7 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VU033804.D (-1823) (-)

Ion 77.00 (76.70 to 77.70): VU033804.D (-1823) (-)

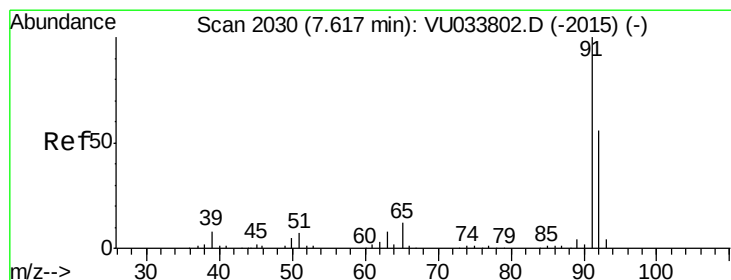
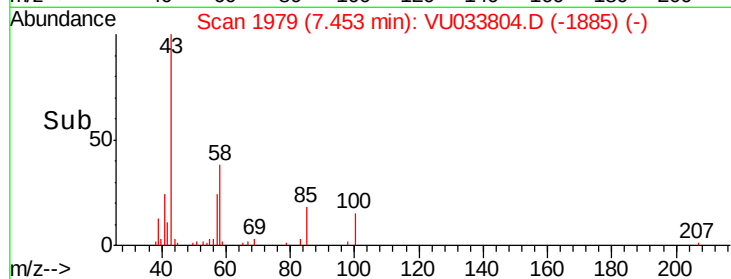
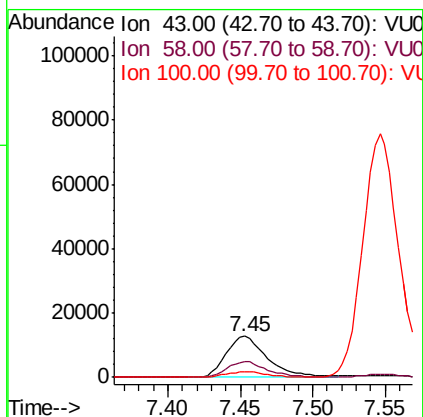
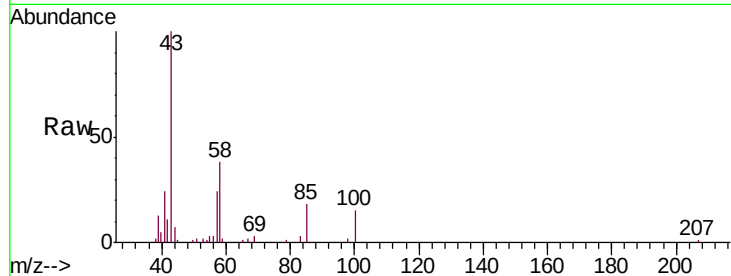




#40
 4-Methyl-2-pentanone
 Concen: 2.087 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

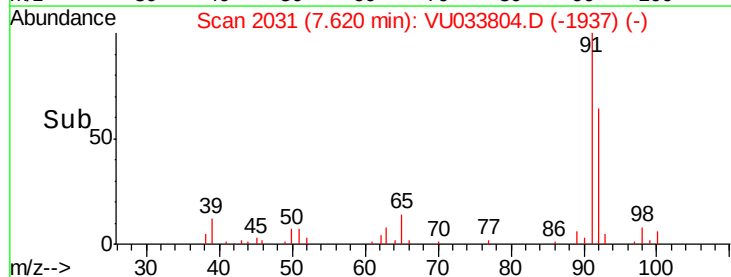
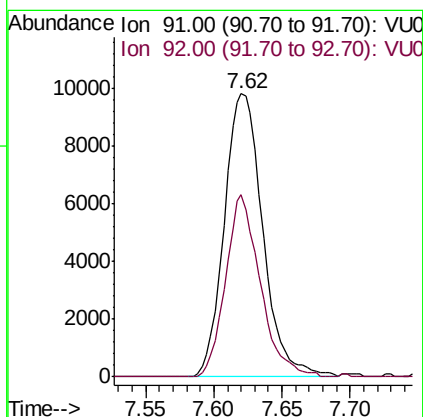
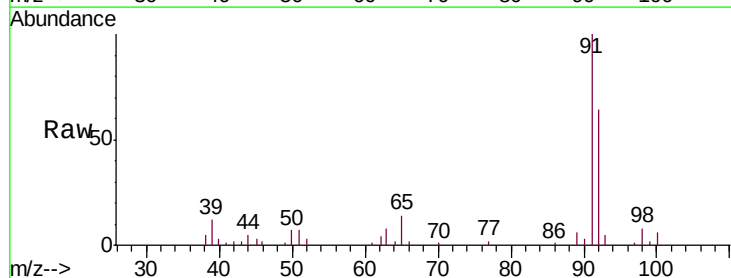
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

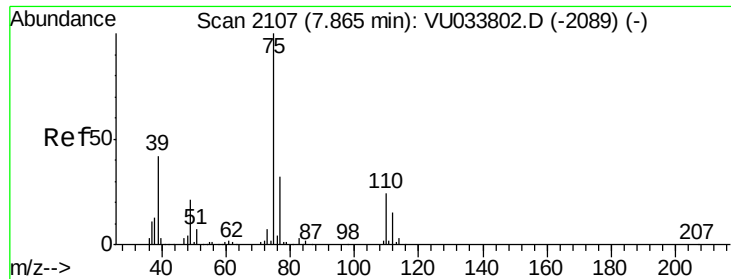
Tgt Ion: 43 Resp: 25316
 Ion Ratio Lower Upper
 43 100
 58 38.1 32.2 48.4
 100 0.0 11.9 17.9#



#42
 Toluene
 Concen: 0.235 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion: 91 Resp: 19200
 Ion Ratio Lower Upper
 91 100
 92 64.4 40.0 74.4

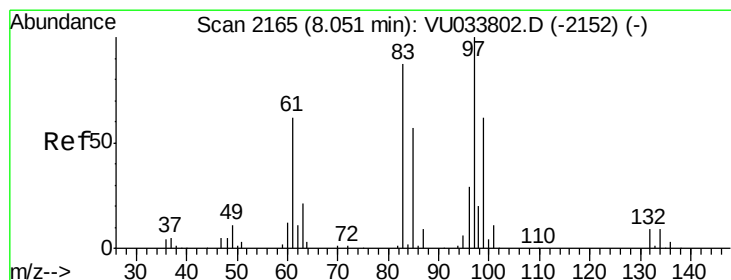
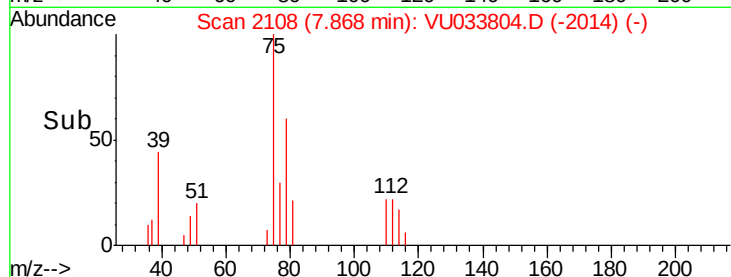
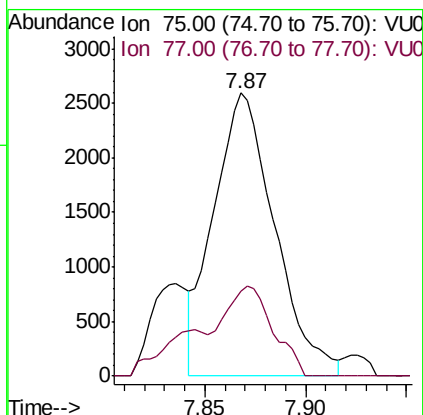
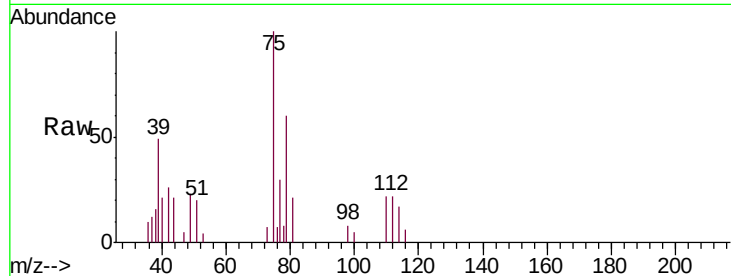




#44
trans-1,3-Dichloropropene
Concen: 0.231 ug/L
RT: 7.87 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

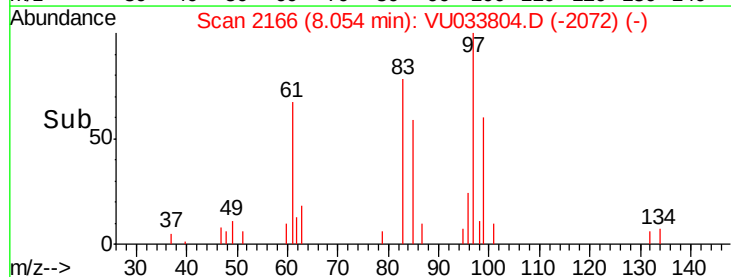
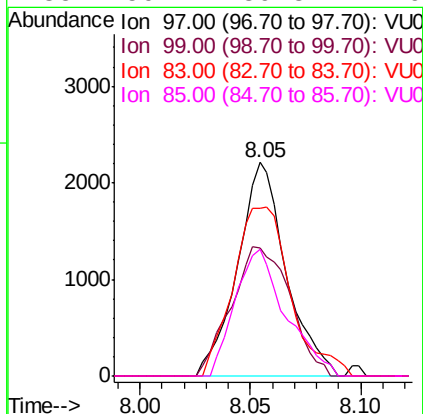
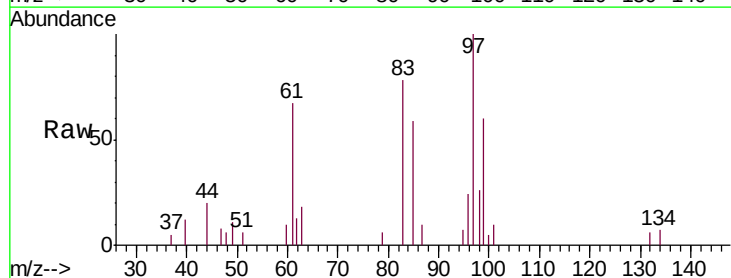
Instrument :
MSVOA_U
ClientSampleId :
MDL03

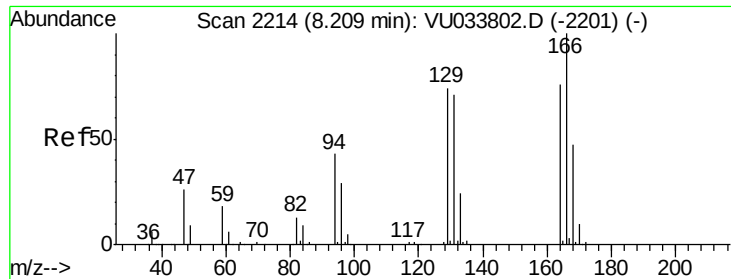
Tgt Ion: 75 Resp: 5464
Ion Ratio Lower Upper
75 100
77 30.0 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 0.225 ug/L
RT: 8.05 min Scan# 2166
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 97 Resp: 3373
Ion Ratio Lower Upper
97 100
99 60.0 42.6 79.0
83 78.4 59.8 111.1
85 59.2 39.3 72.9





#47

Tetrachloroethene

Concen: 0.239 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion:164 Resp: 4059

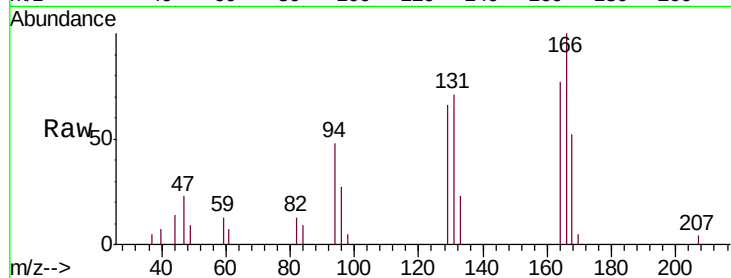
Ion Ratio Lower Upper

164 100

129 85.2 66.1 122.7

131 91.7 65.2 121.2

166 129.9 88.5 164.4

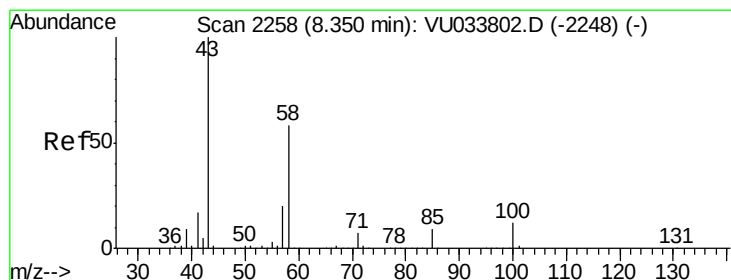
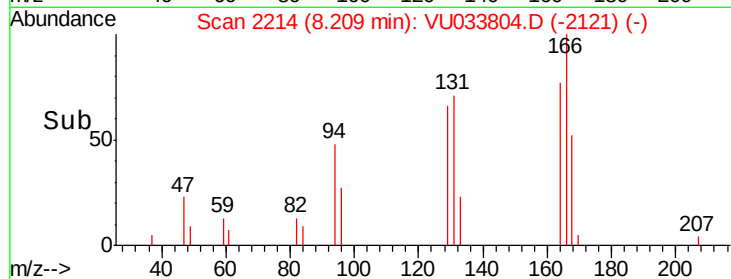
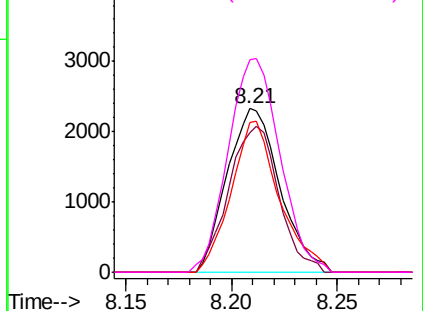


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 3.089 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion: 43 Resp: 27092

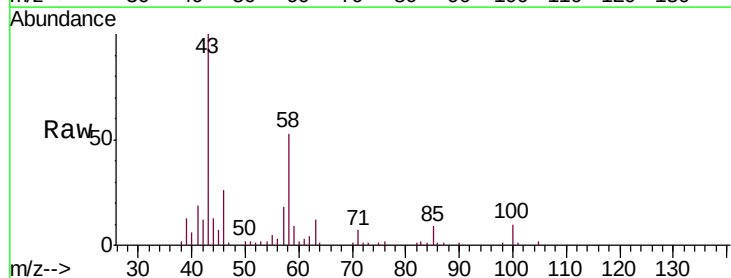
Ion Ratio Lower Upper

43 100

58 53.2 45.2 67.8

57 20.8 15.7 23.5

100 10.8 8.6 13.0

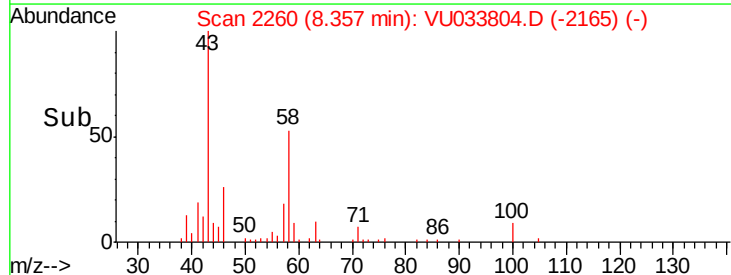
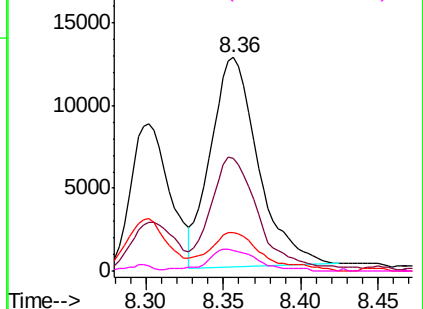


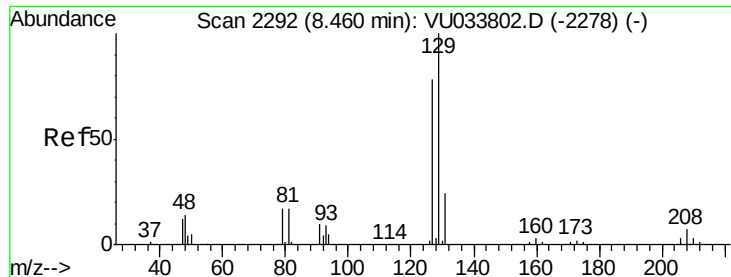
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 0.246 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

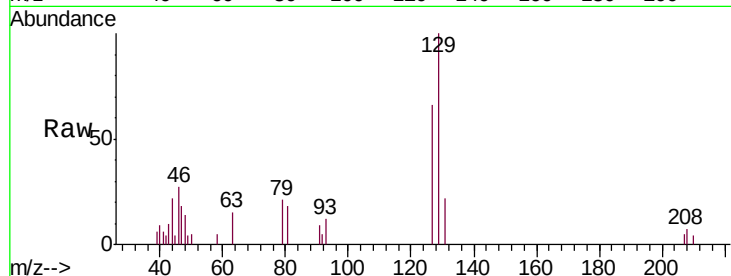
MDL03

Tgt Ion:129 Resp: 4474

Ion Ratio Lower Upper

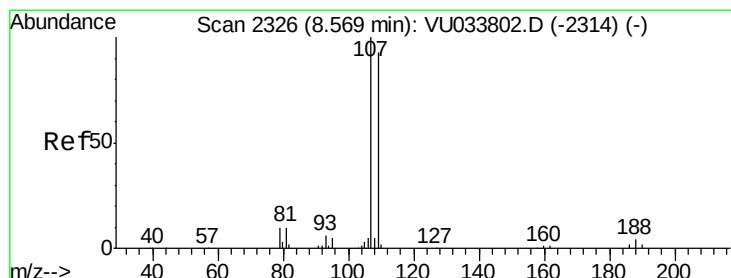
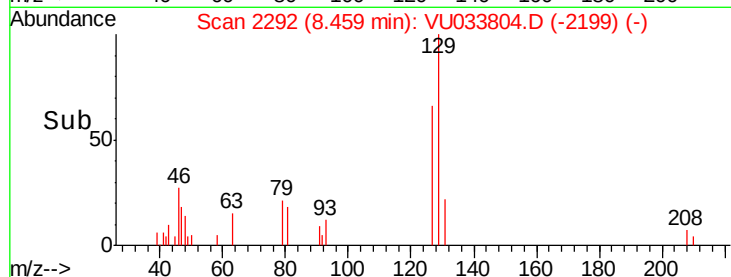
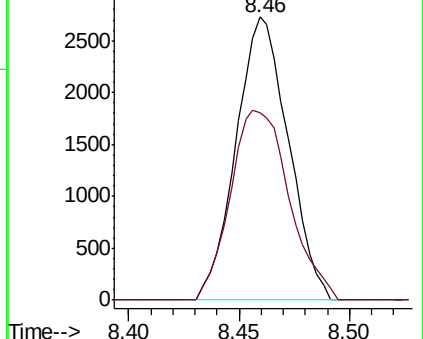
129 100

127 66.1 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 0.243 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

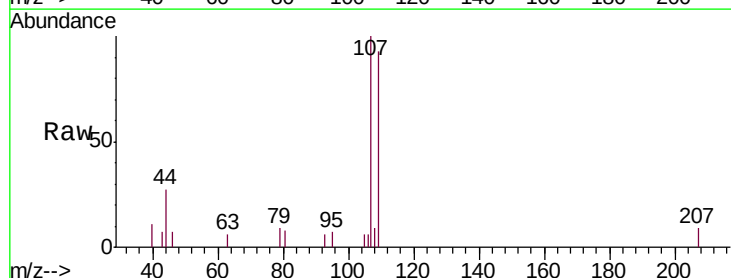
Tgt Ion:107 Resp: 3523

Ion Ratio Lower Upper

107 100

109 92.6 68.3 126.8

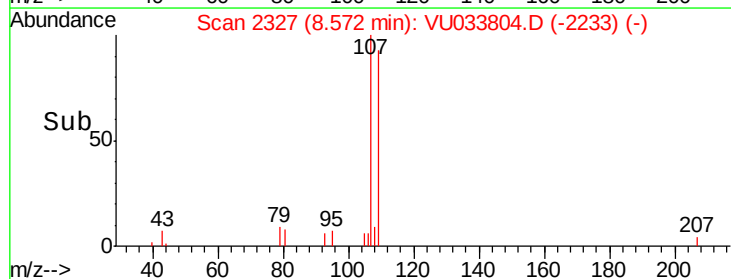
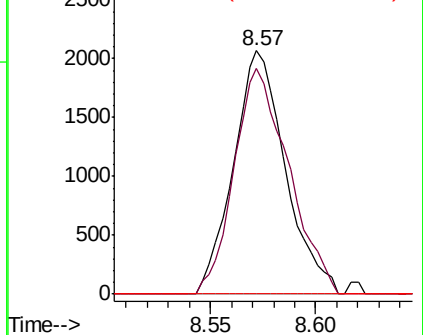
188 0.0 3.0 4.6#

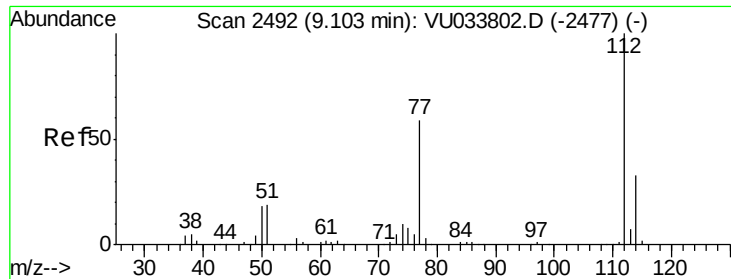


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

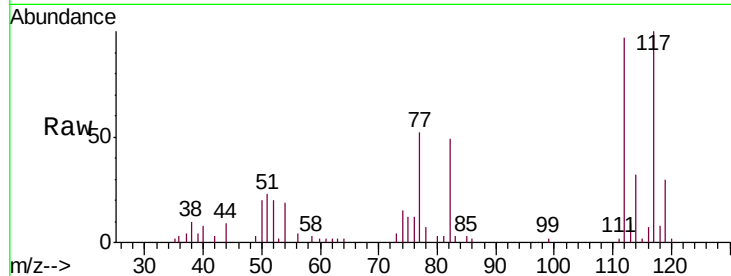




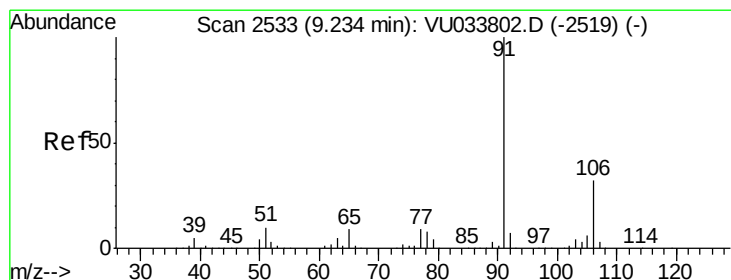
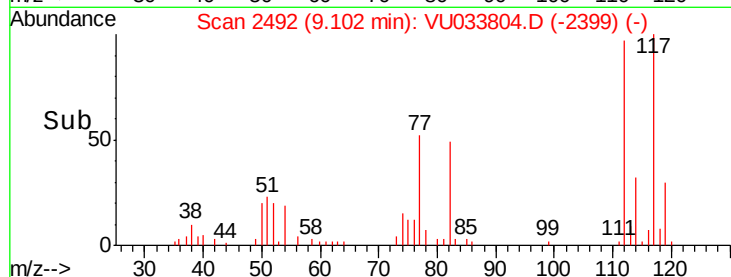
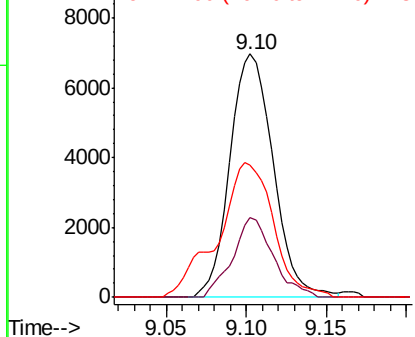
#51
Chlorobenzene
Concen: 0.245 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion: 112 Resp: 12890
Ion Ratio Lower Upper
112 100
114 32.7 22.5 41.7
77 54.1 45.3 67.9

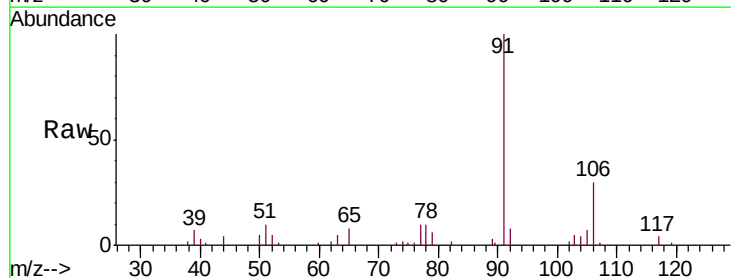


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

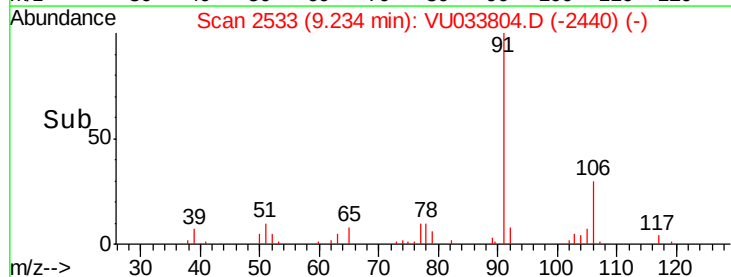
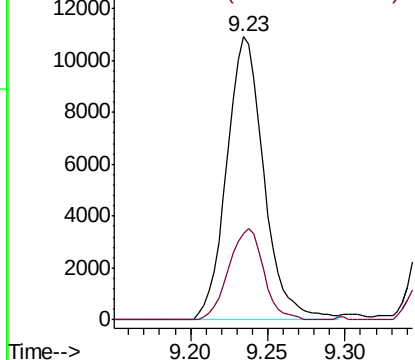


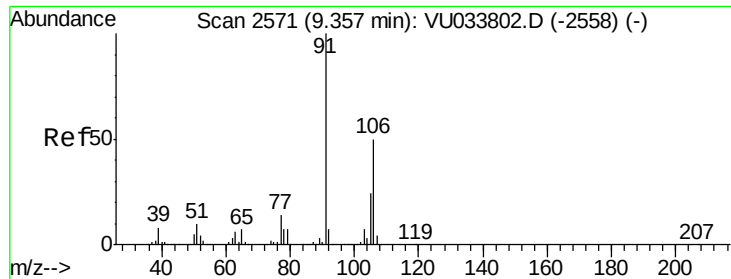
#52
Ethylbenzene
Concen: 0.216 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 91 Resp: 18219
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



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





#53

m,p-Xylene

Concen: 0.202 ug/L

RT: 9.36 min Scan# 2573

Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

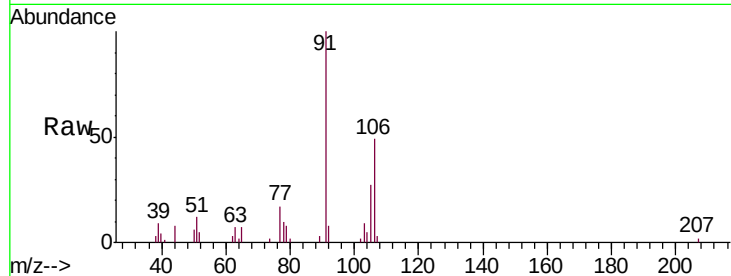
MDL03

Tgt Ion:106 Resp: 6433

Ion Ratio Lower Upper

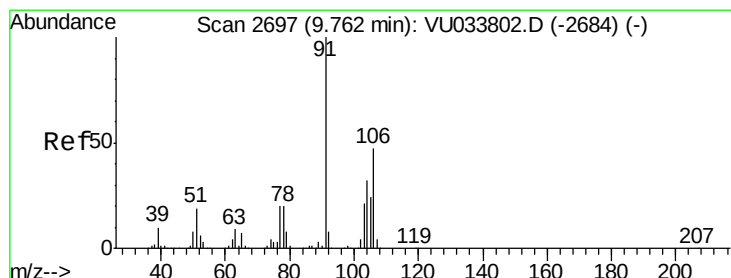
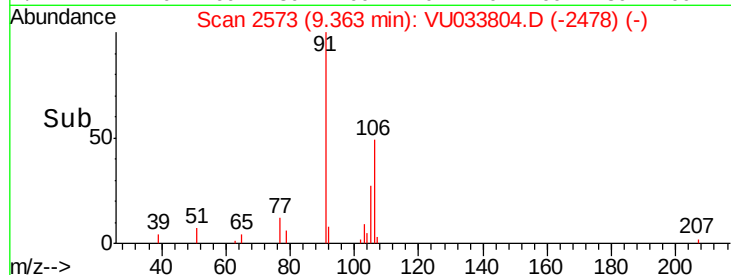
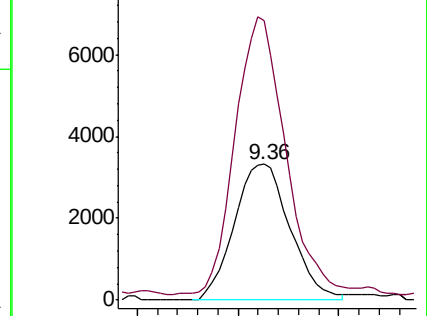
106 100

91 205.1 142.7 265.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-Xylene

Concen: 0.201 ug/L

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033804.D

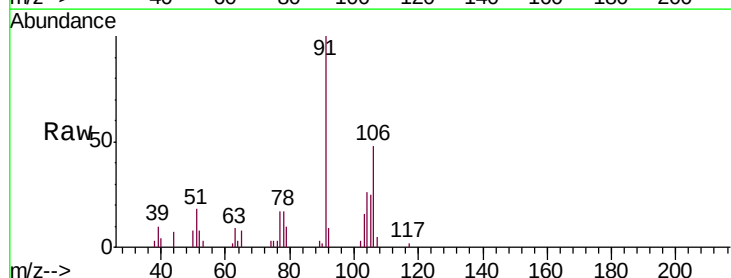
Acq: 15 Aug 2019 11:50

Tgt Ion:106 Resp: 6086

Ion Ratio Lower Upper

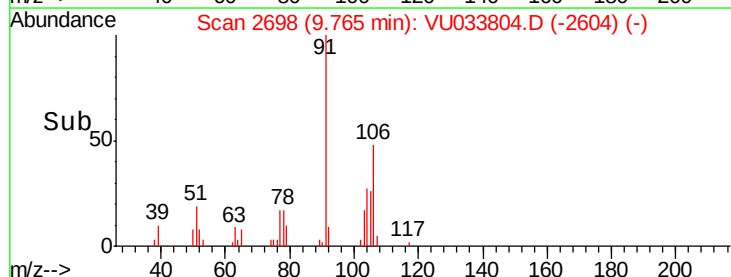
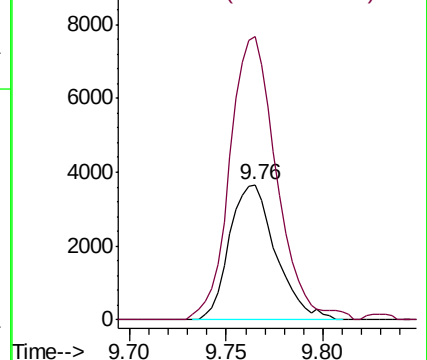
106 100

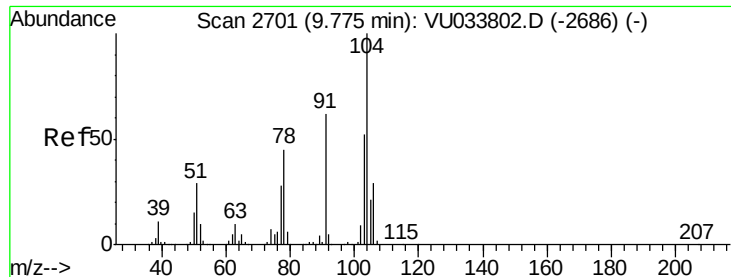
91 209.0 149.5 277.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 0.188 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampled :

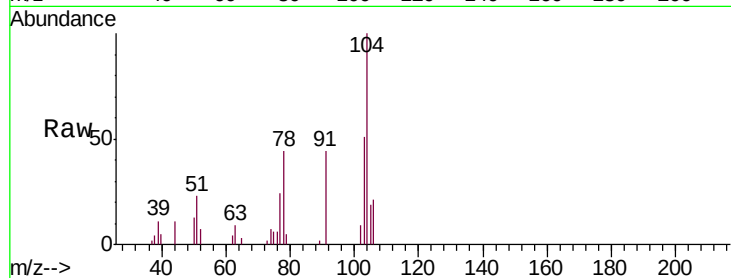
MDL03

Tgt Ion:104 Resp: 9886

Ion Ratio Lower Upper

104 100

78 43.6 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): VU033802.D (-2686) (-)

Ion 78.00 (77.70 to 78.70): VU033802.D (-2686) (-)

9.78

6000

5000

4000

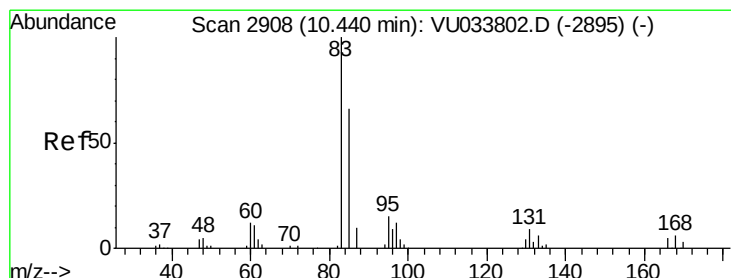
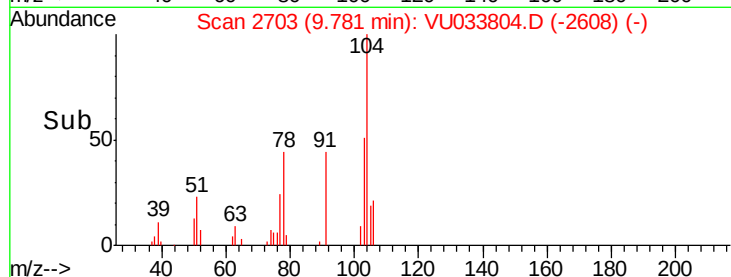
3000

2000

1000

0

Time--> 9.70 9.75 9.80 9.85



#57

1,1,2,2-Tetrachloroethane

Concen: 0.242 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

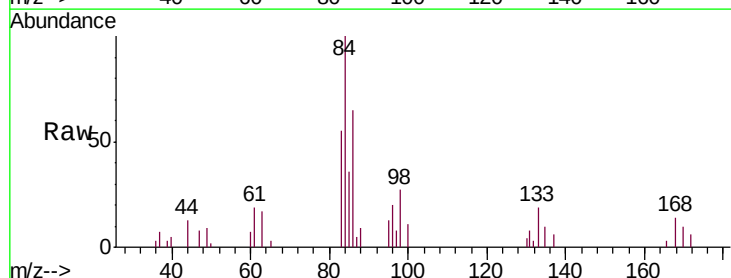
Tgt Ion: 83 Resp: 4773

Ion Ratio Lower Upper

83 100

85 66.0 44.4 82.4

131 13.9 7.6 11.4#



Abundance Ion 83.00 (82.70 to 83.70): VU033802.D (-2895) (-)

Ion 85.00 (84.70 to 85.70): VU033802.D (-2895) (-)

Ion 131.00 (130.70 to 131.70): VU033802.D (-2895) (-)

10.44

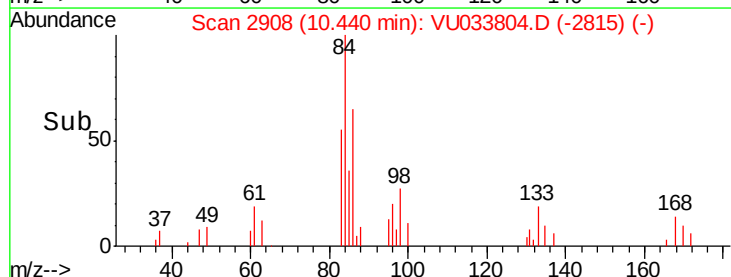
3000

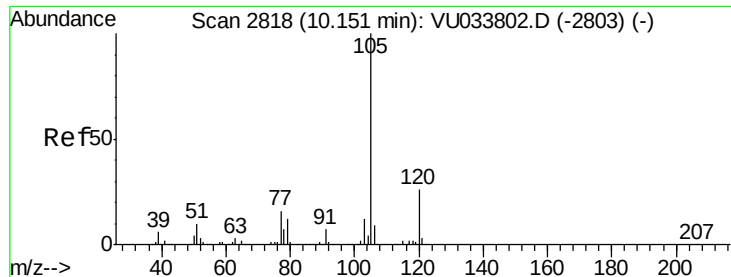
2000

1000

0

Time--> 10.40 10.45 10.50





#59

Isopropylbenzene

Concen: 0.220 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

MDL03

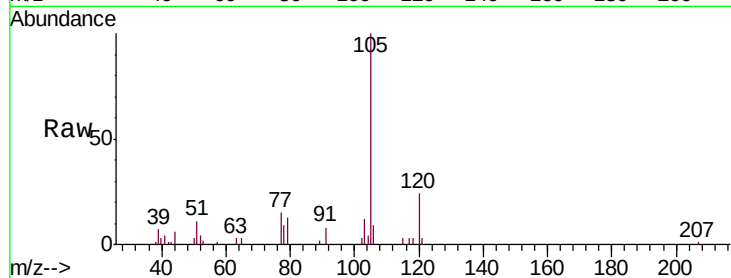
Tgt Ion:105 Resp: 15013

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

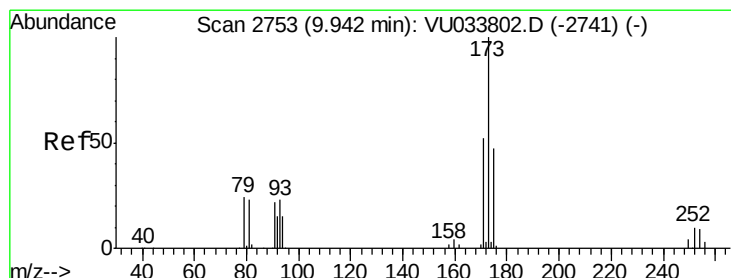
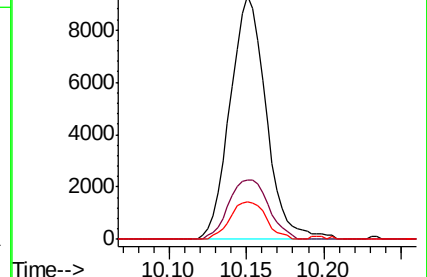
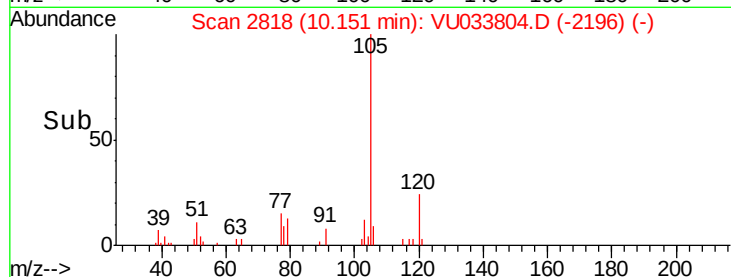
77 15.3 12.8 19.2



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



#60

Bromoform

Concen: 0.280 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

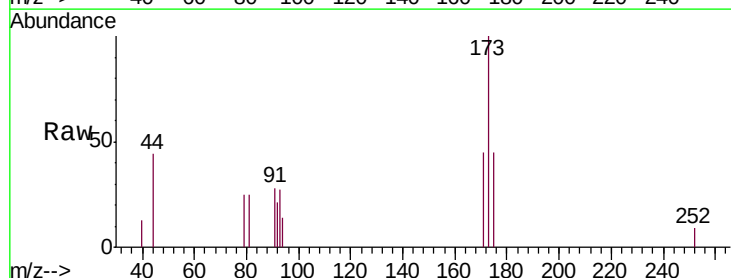
Tgt Ion:173 Resp: 2565

Ion Ratio Lower Upper

173 100

175 47.7 36.6 55.0

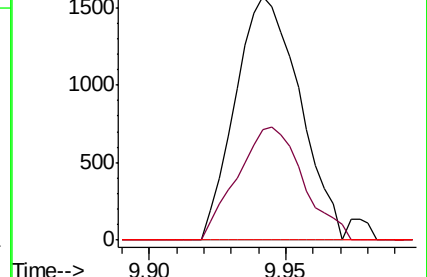
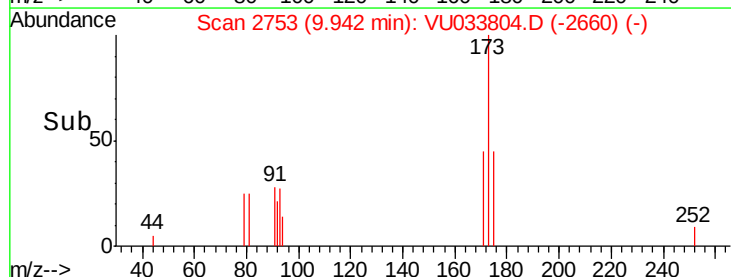
254 0.0 7.0 10.4#

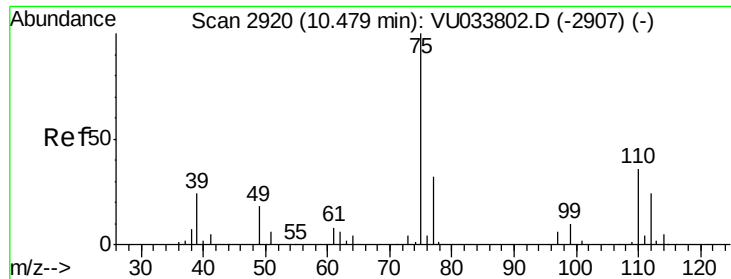


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

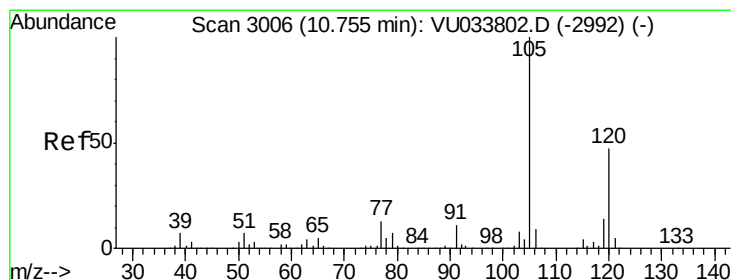
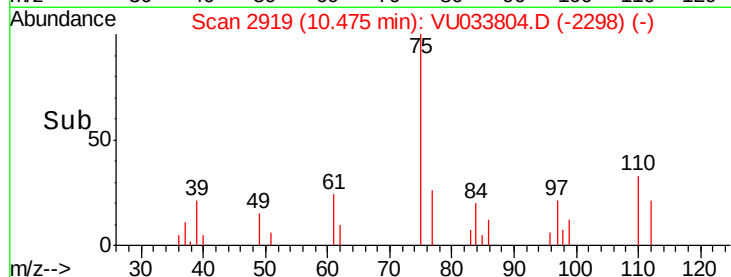
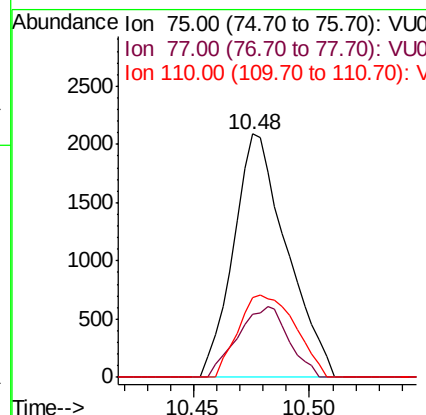
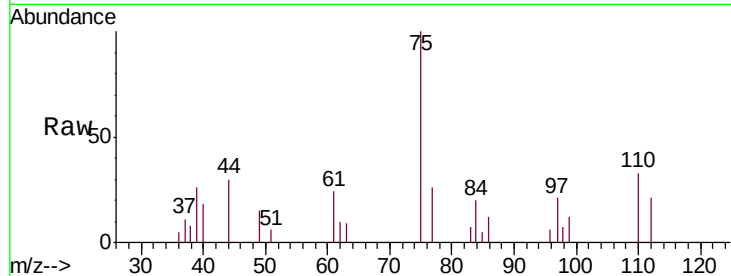




#61
 1,2,3-Trichloropropane
 Concen: 0.279 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

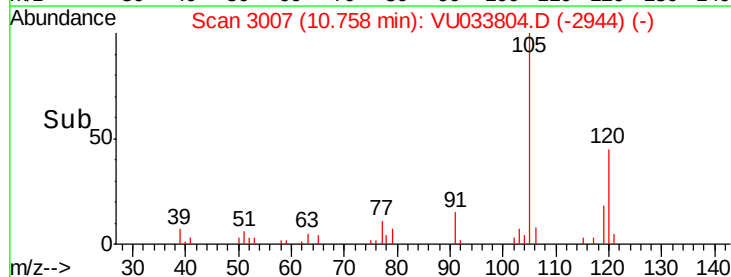
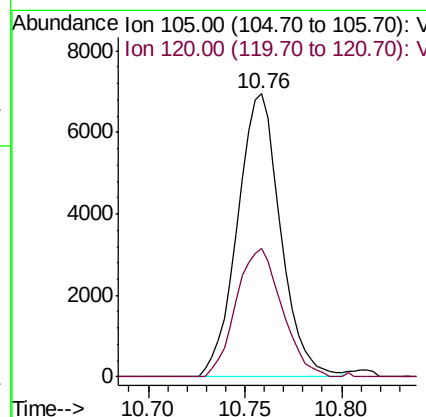
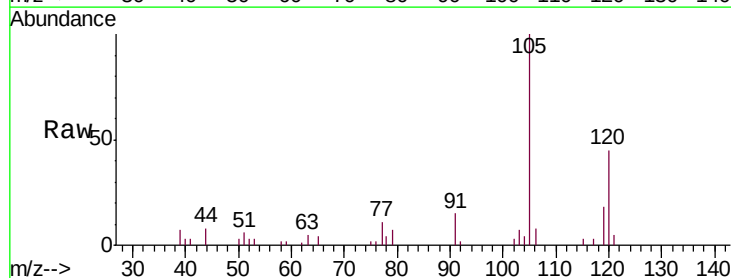
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

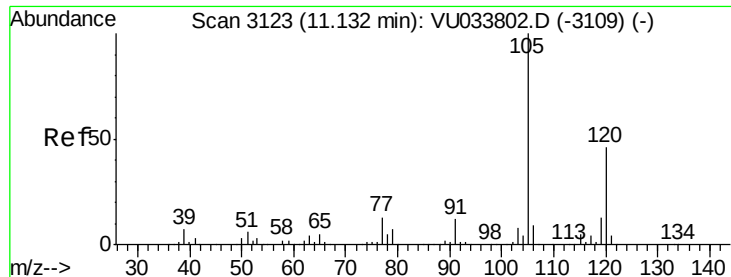
Tgt Ion: 75 Resp: 3323
 Ion Ratio Lower Upper
 75 100
 77 28.0 25.8 38.6
 110 36.3 28.9 43.3



#62
 1,3,5-Trimethylbenzene
 Concen: 0.195 ug/L
 RT: 10.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion: 105 Resp: 10789
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 0.198 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

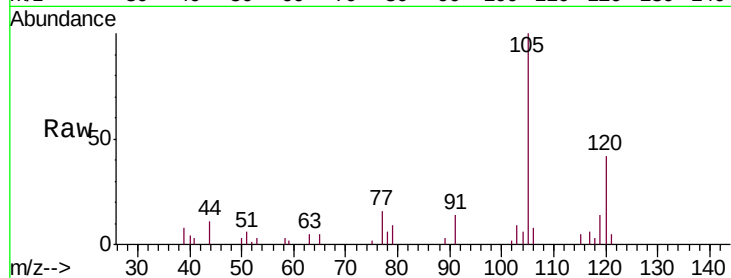
MDL03

Tgt Ion:105 Resp: 10944

Ion Ratio Lower Upper

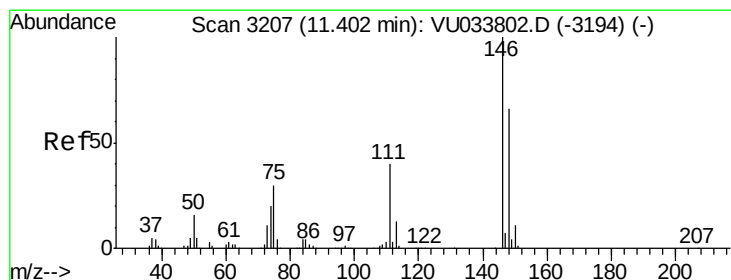
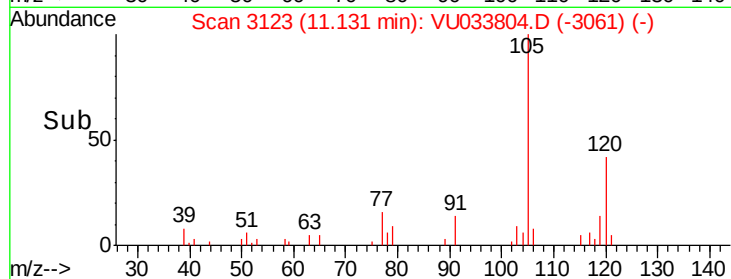
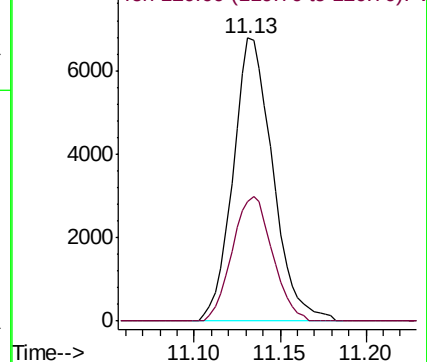
105 100

120 44.4 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#64

1,3-Dichlorobenzene

Concen: 0.261 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

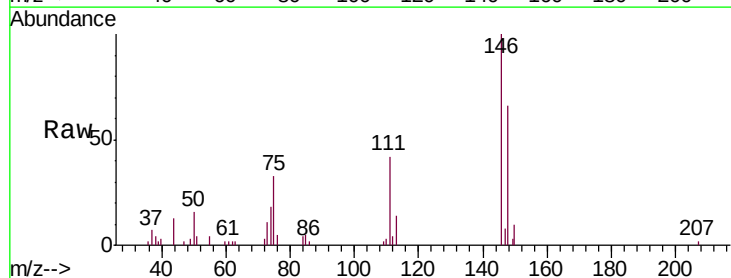
Tgt Ion:146 Resp: 9517

Ion Ratio Lower Upper

146 100

111 42.3 28.5 52.9

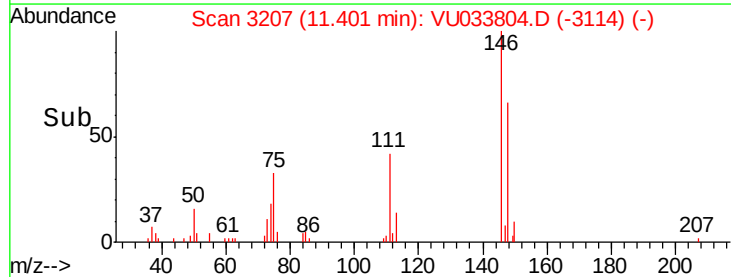
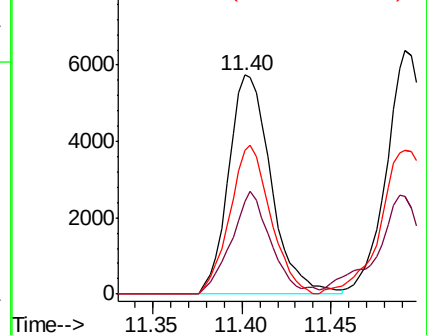
148 65.7 44.6 82.8

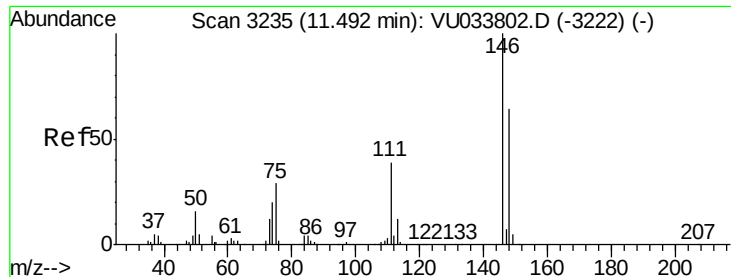


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

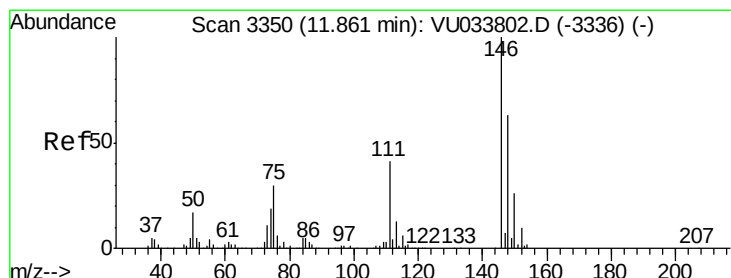
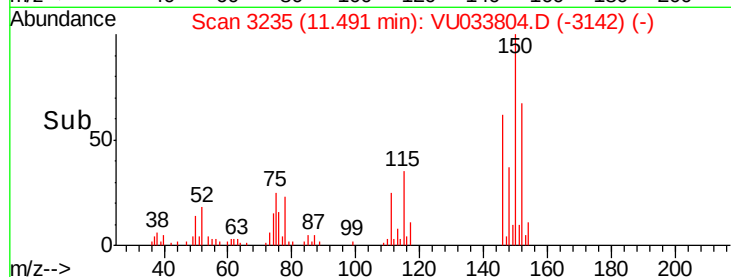
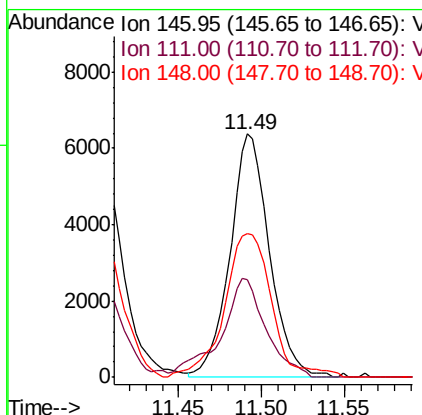
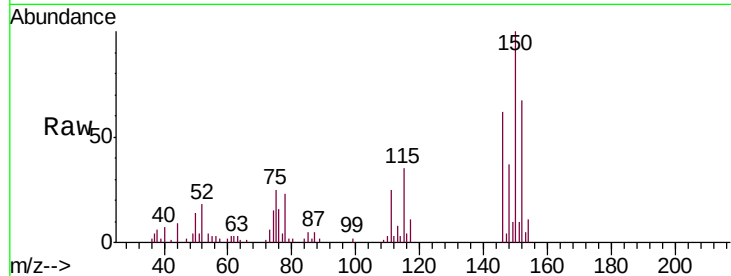




#65
 1,4-Dichlorobenzene
 Concen: 0.281 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

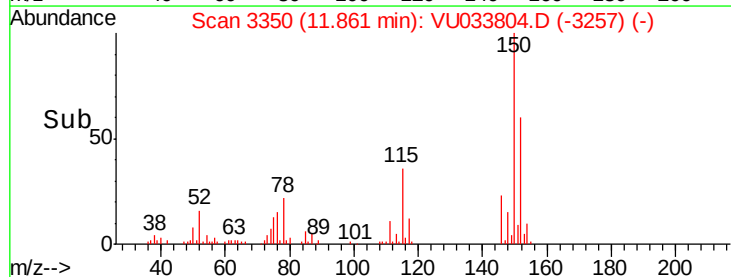
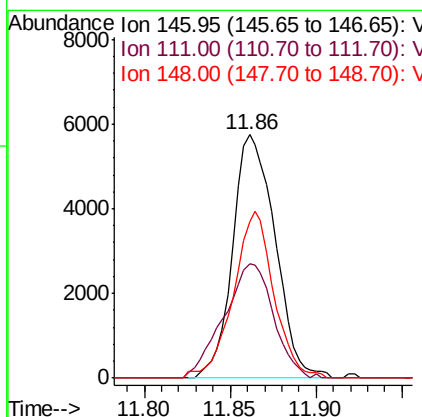
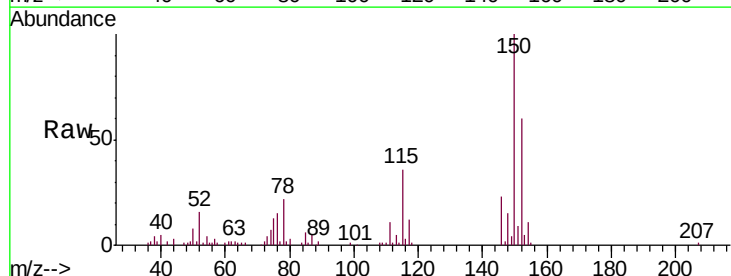
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

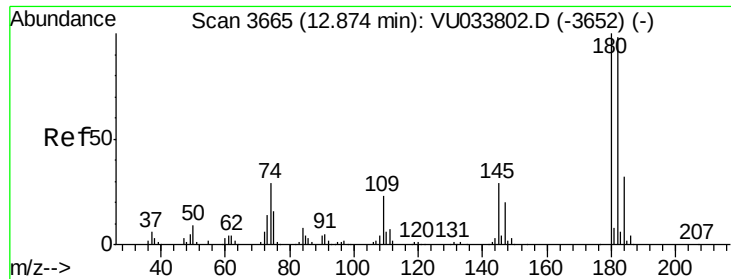
Tgt Ion:146 Resp: 10557
 Ion Ratio Lower Upper
 146 100
 111 40.2 26.2 48.8
 148 59.2 44.2 82.0



#67
 1,2-Dichlorobenzene
 Concen: 0.281 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion:146 Resp: 9897
 Ion Ratio Lower Upper
 146 100
 111 46.9 32.7 49.1
 148 64.5 50.6 76.0

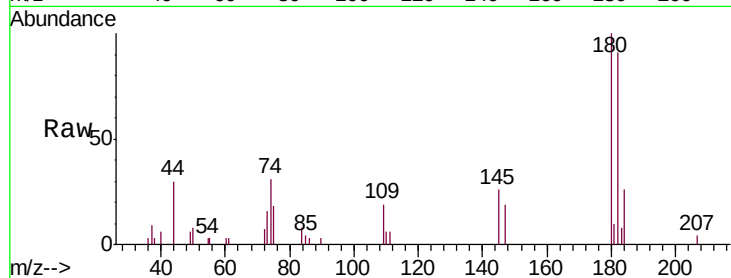




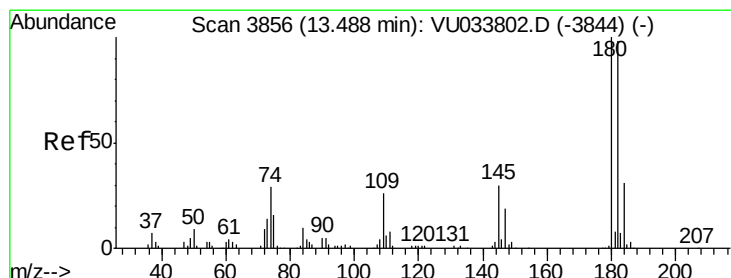
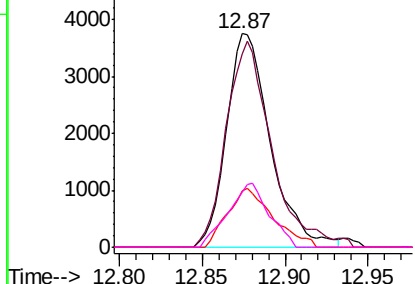
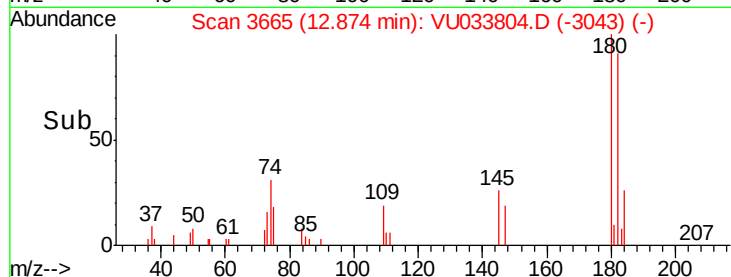
#69
 1,3,5-Trichlorobenzene
 Concen: 0.241 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 6923
 Ion Ratio Lower Upper
 180 100
 182 99.2 76.6 114.8
 184 28.6 24.4 36.6
 145 27.6 23.3 34.9

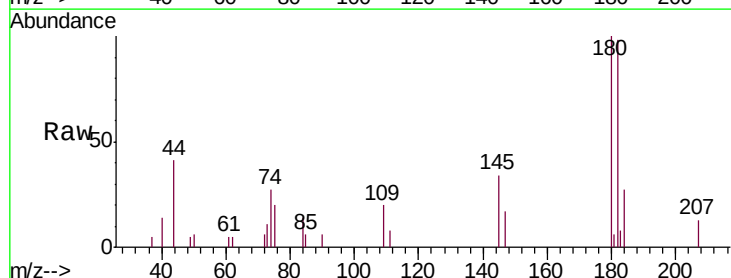


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

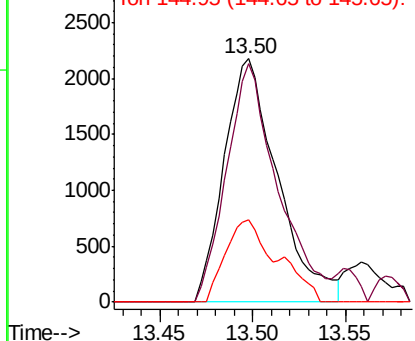
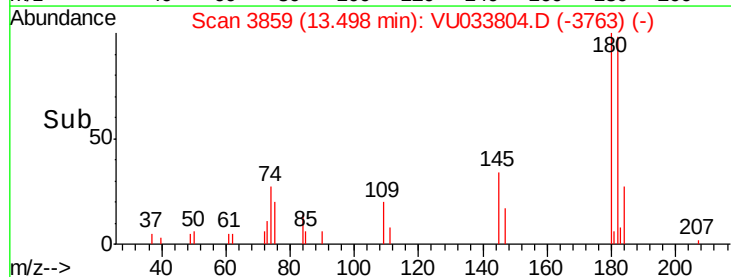


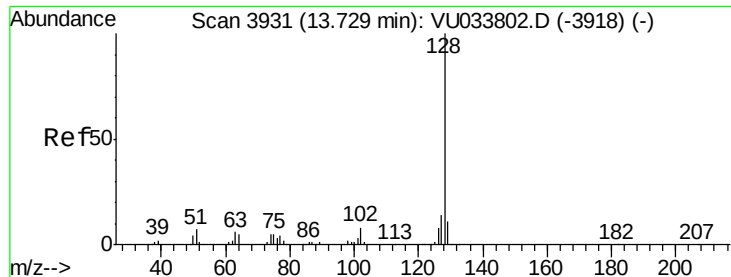
#70
 1,2,4-trichlorobenzene
 Concen: 0.195 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion:180 Resp: 4360
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.4 116.2
 145 32.8 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

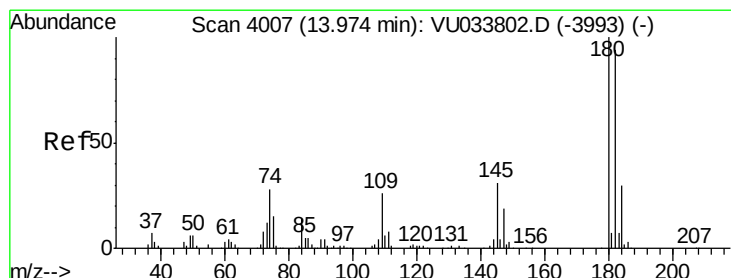
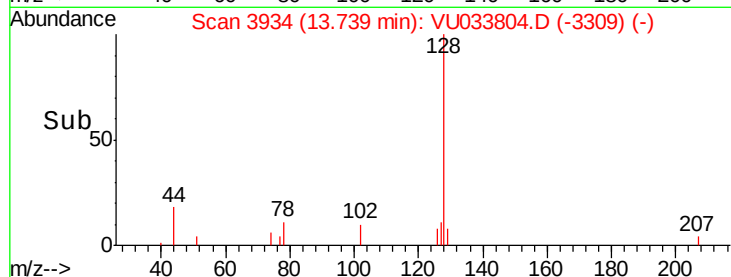
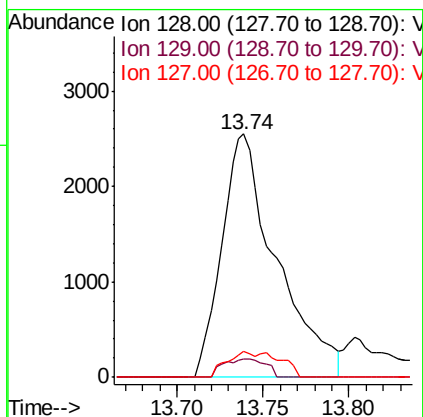
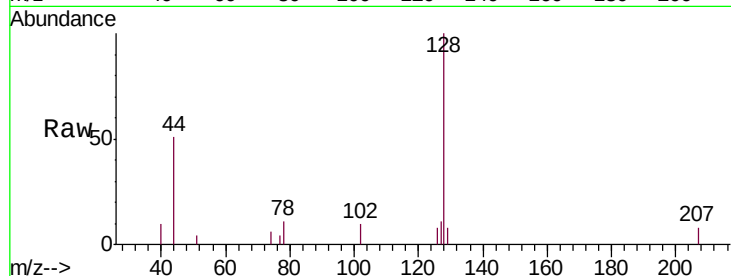




#71
Naphthalene
Concen: 0.163 ug/L
RT: 13.74 min Scan# 3934
Delta R.T. 0.01 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion:128 Resp: 5623
Ion Ratio Lower Upper
128 100
129 5.9 8.5 12.7#
127 5.5 11.2 16.8#



#72
1,2,3-Trichlorobenzene
Concen: 0.218 ug/L
RT: 13.98 min Scan# 4009
Delta R.T. 0.01 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion:180 Resp: 4586
Ion Ratio Lower Upper
180 100
182 99.1 75.7 113.5
145 30.1 24.3 36.5

