

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081319\
 Data File : VU033788.D
 Acq On : 13 Aug 2019 17:56
 Operator : JC/SP
 Sample : MDL07
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Quant Time: Aug 14 04:28:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:23:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	413701	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405394	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	192778	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	177201	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.20%
7) Chloroethane-d5	1.67	69	154174	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.26%
11) 1,1-Dichloroethene-d2	2.26	63	233779	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.86%
21) 2-Butanone-d5	4.15	46	206735	94.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.58%
24) Chloroform-d	4.62	84	279406	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
26) 1,2-Dichloroethane-d4	5.29	65	181682	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.66%
32) Benzene-d6	5.32	84	574537	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
36) 1,2-Dichloropropane-d6	6.31	67	182664	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.34%
41) Toluene-d8	7.55	98	510975	47.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.36%
43) trans-1,3-Dichloropropene-	7.83	79	83201	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.29	63	150825	100.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.43%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	249917	46.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.32%
66) 1,2-Dichlorobenzene-d4	11.84	152	197697	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	10219	2.478 ug/L	96
3) Chloromethane	1.32	50	11001	2.569 ug/L	94
5) Vinyl chloride	1.39	62	12707	2.741 ug/L #	69
6) Bromomethane	1.62	94	8438	2.479 ug/L	97
8) Chloroethane	1.69	64	7669	2.314 ug/L	98
9) Trichlorofluoromethane	1.87	101	15401	2.585 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	9480	3.251 ug/L	86
12) 1,1-Dichloroethene	2.27	96	9385	3.271 ug/L #	1
13) Acetone	2.31	43	8946	4.493 ug/L	99
14) Carbon disulfide	2.46	76	24491	2.697 ug/L	96
15) Methyl Acetate	2.60	43	8258	2.481 ug/L	93
16) Methylene chloride	2.68	84	9367	2.860 ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	7700	2.579 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	21366	2.407 ug/L	96
19) 1,1-Dichloroethane	3.42	63	15193	2.648 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	8220	2.507 ug/L	93
23) Bromochloromethane	4.53	128	4616	2.717 ug/L	86

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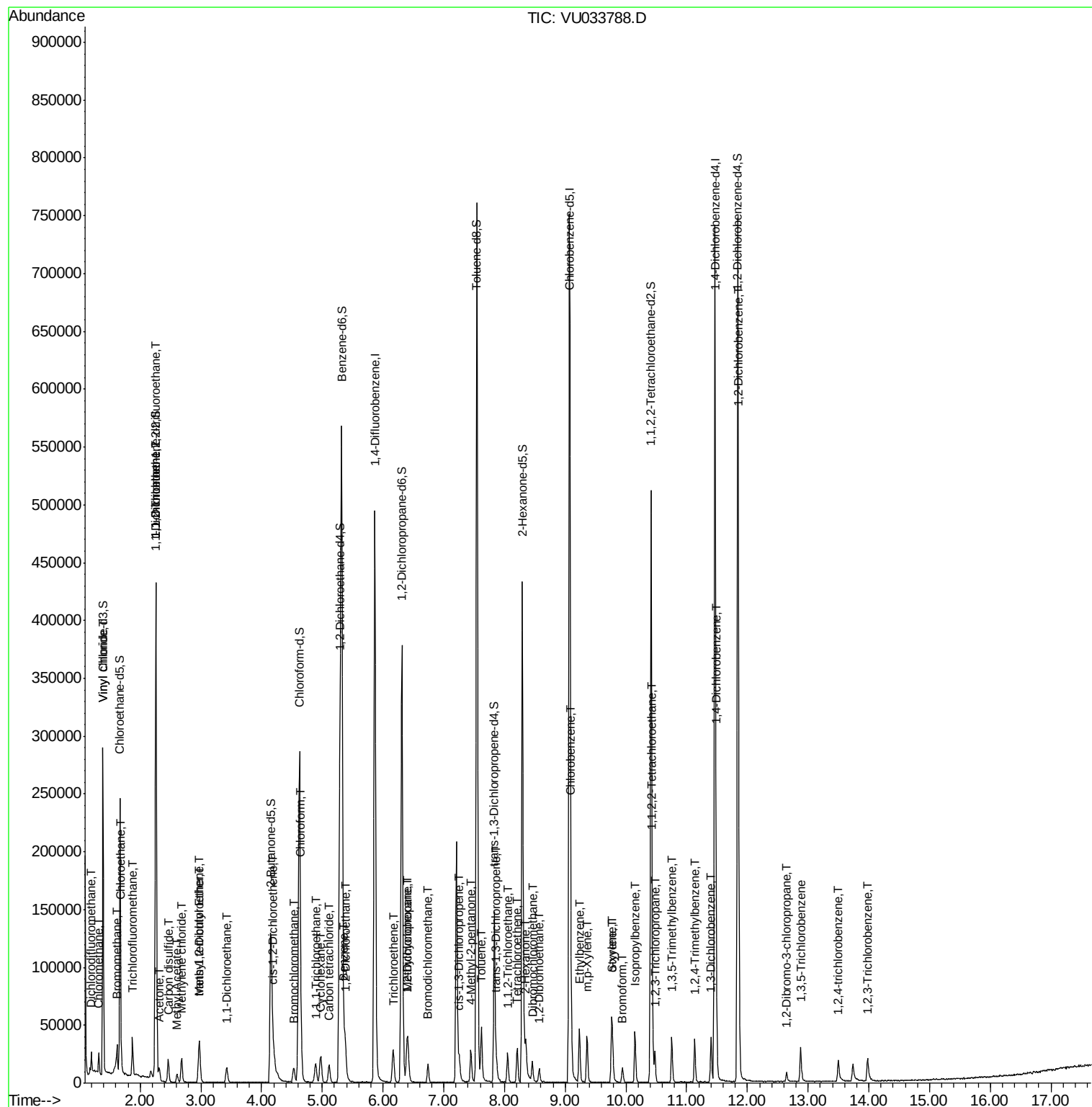
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	17607	2.953	ug/L	99
27) 1,2-Dichloroethane	5.39	62	13099	2.828	ug/L	98
29) Cyclohexane	4.97	56	10787	2.421	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	12969	2.608	ug/L	95
31) Carbon tetrachloride	5.11	117	11197	2.535	ug/L #	56
33) Benzene	5.37	78	32020	2.582	ug/L	100
34) Trichloroethene	6.17	95	8711	2.651	ug/L	88
35) Methylcyclohexane	6.40	83	12520	2.614	ug/L	92
37) 1,2-Dichloropropane	6.41	63	9022	2.670	ug/L	99
38) Bromodichloromethane	6.74	83	10901	2.500	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	11205	2.246	ug/L	93
40) 4-Methyl-2-pentanone	7.45	43	19207	4.568	ug/L	98
42) Toluene	7.62	91	33368	2.547	ug/L	95
44) trans-1,3-Dichloropropene	7.86	75	10892	2.397	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	7779	2.439	ug/L	98
46) Tetrachloroethene	8.21	164	6803	2.640	ug/L	96
48) 2-Hexanone	8.35	43	21211	6.590	ug/L	98
49) Dibromochloromethane	8.46	129	9003	2.528	ug/L	96
50) 1,2-Dibromoethane	8.57	107	8921	2.666	ug/L #	91
51) Chlorobenzene	9.10	112	21965	2.577	ug/L	96
52) Ethylbenzene	9.23	91	32763	2.377	ug/L	99
53) m,p-Xylene	9.36	106	11578	2.247	ug/L	94
54) o-xylene	9.76	106	10944	2.159	ug/L	93
55) Styrene	9.78	104	18296	2.126	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.44	83	14373	2.694	ug/L #	90
59) Bromoform	9.94	173	6249	2.537	ug/L #	95
60) 1,2,3-Trichloropropane	10.48	75	10645	2.744	ug/L	99
61) Isopropylbenzene	10.15	105	27888	2.337	ug/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	20394	2.117	ug/L	96
63) 1,2,4-Trimethylbenzene	11.13	105	19787	2.070	ug/L	97
64) 1,3-Dichlorobenzene	11.40	146	16350	2.731	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	17566	2.863	ug/L	96
67) 1,2-Dichlorobenzene	11.86	146	17293	2.842	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.64	75	2739	2.532	ug/L	92
69) 1,3,5-Trichlorobenzene	12.88	180	11637	2.573	ug/L	97
70) 1,2,4-trichlorobenzene	13.49	180	7975	2.126	ug/L	93
72) 1,2,3-Trichlorobenzene	13.98	180	8890	2.261	ug/L	97

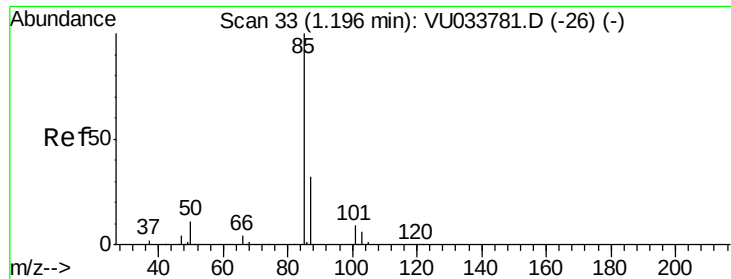
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.478 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

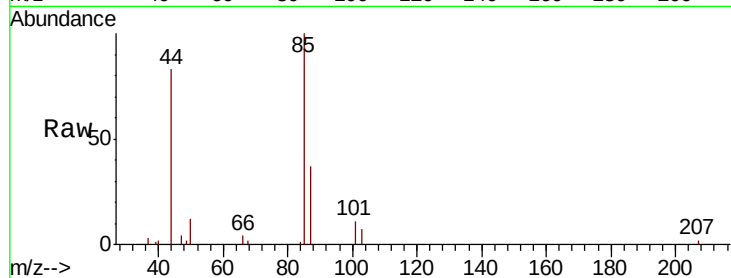
MDL07

Tgt Ion: 85 Resp: 10219

Ion Ratio Lower Upper

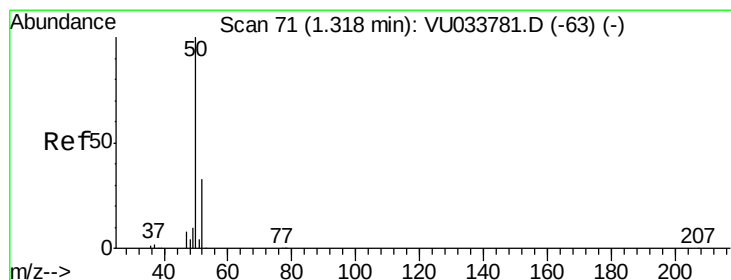
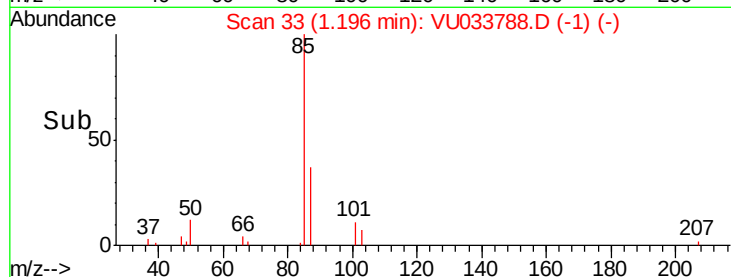
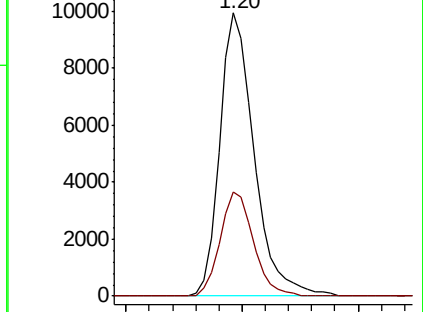
85 100

87 35.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU033788.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033788.D (-26) (-)



#3

Chloromethane

Concen: 2.569 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033788.D

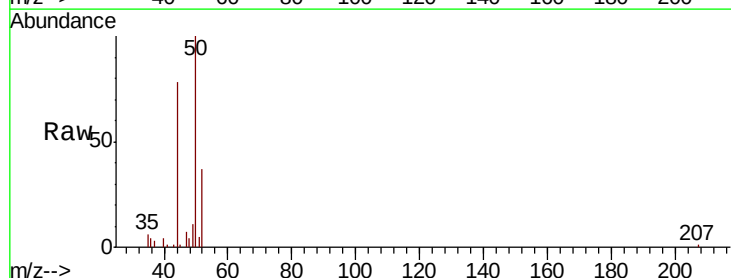
Acq: 13 Aug 2019 17:56

Tgt Ion: 50 Resp: 11001

Ion Ratio Lower Upper

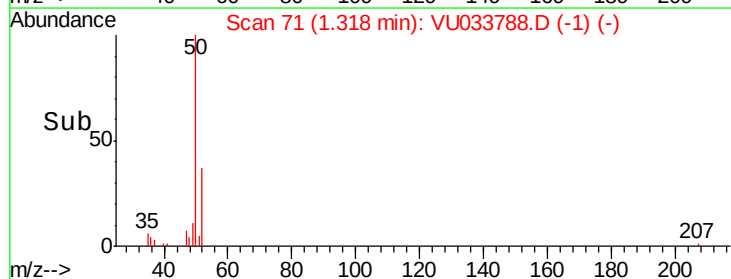
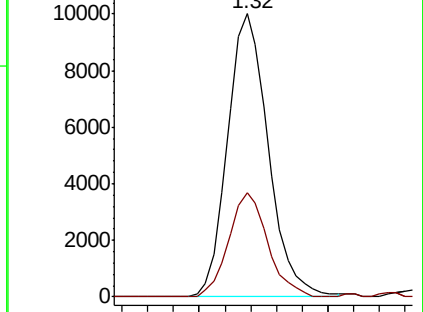
50 100

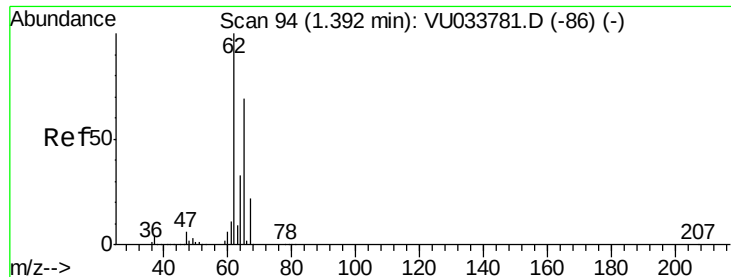
52 36.7 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU033788.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033788.D (-63) (-)





#5

Vinyl chloride

Concen: 2.741 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

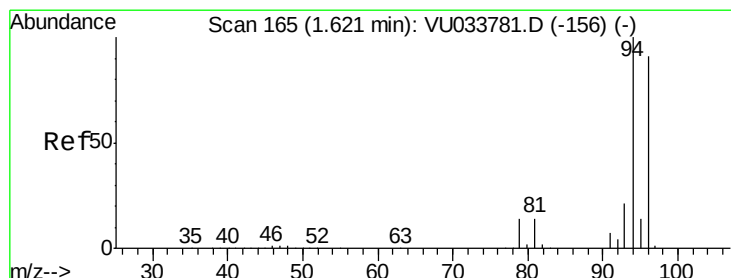
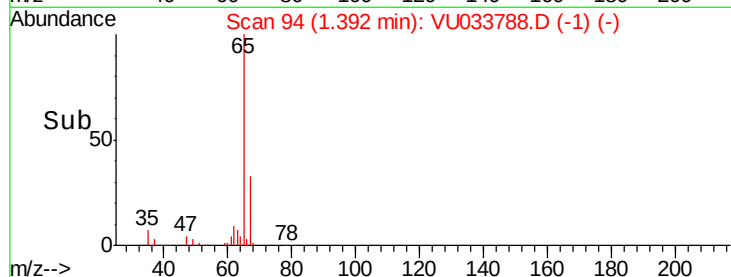
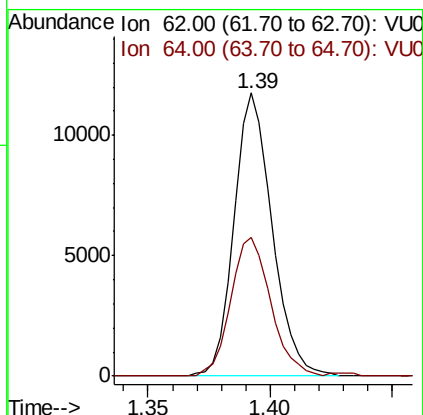
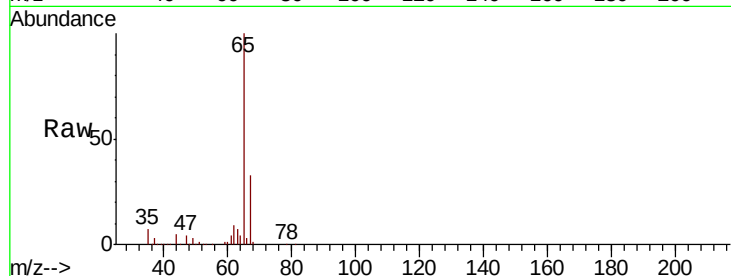
MDL07

Tgt Ion: 62 Resp: 12707

Ion Ratio Lower Upper

62 100

64 49.0 22.3 41.5#



#6

Bromomethane

Concen: 2.479 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033788.D

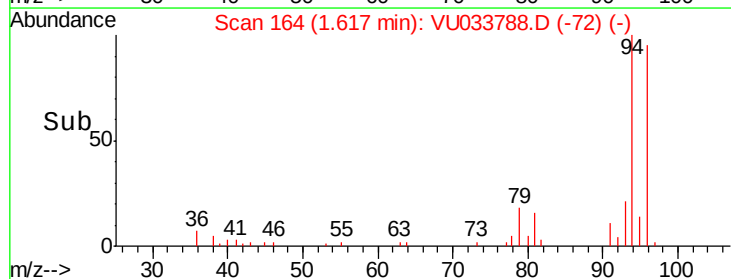
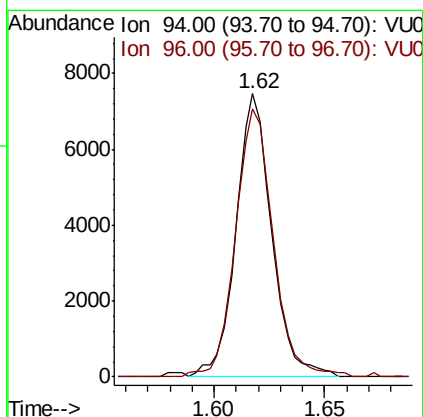
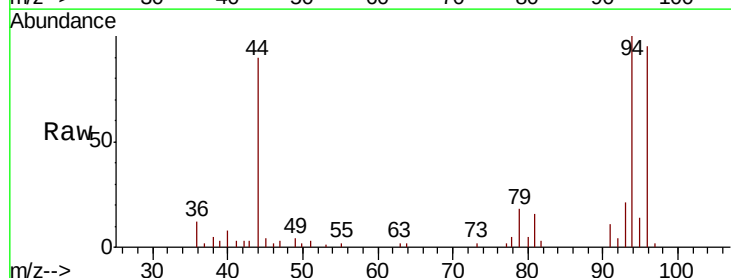
Acq: 13 Aug 2019 17:56

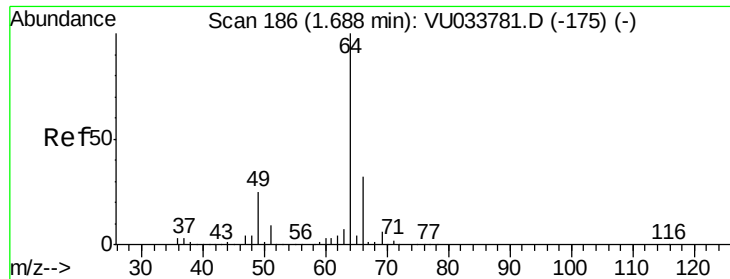
Tgt Ion: 94 Resp: 8438

Ion Ratio Lower Upper

94 100

96 94.7 64.5 119.7





#8

Chloroethane

Concen: 2.314 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

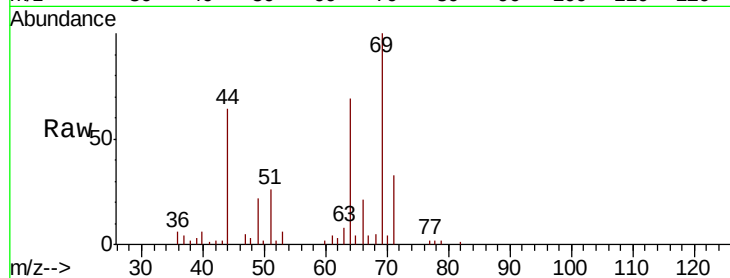
MDL07

Tgt Ion: 64 Resp: 7669

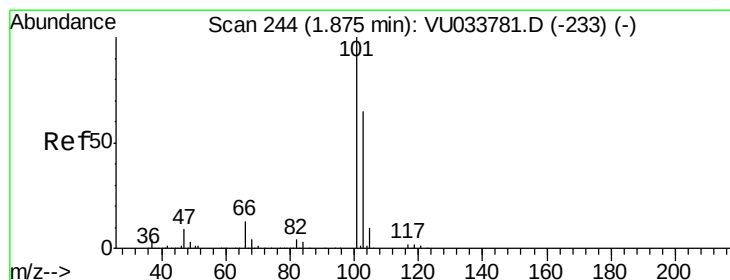
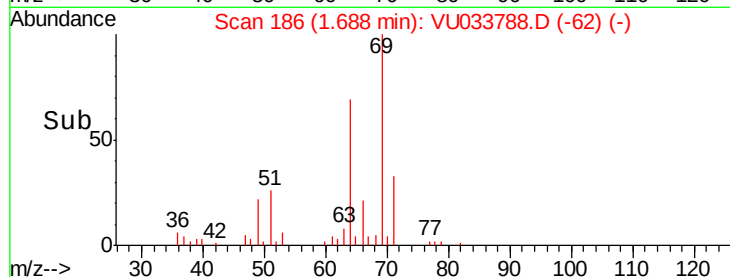
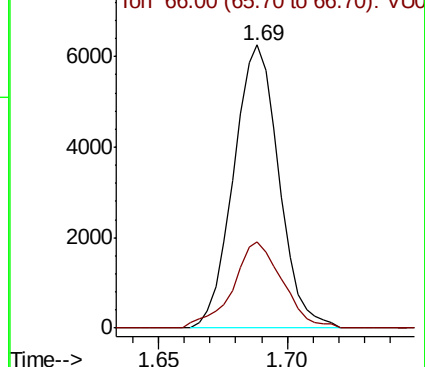
Ion Ratio Lower Upper

64 100

66 30.5 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033788.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 2.585 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033788.D

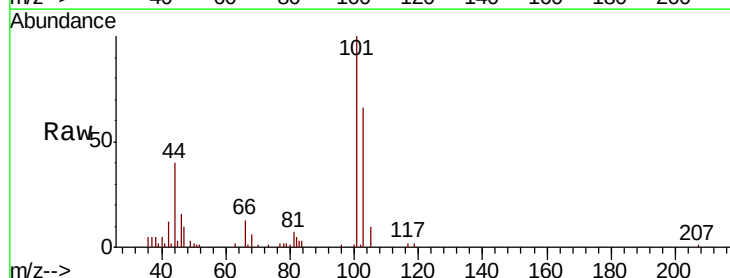
Acq: 13 Aug 2019 17:56

Tgt Ion: 101 Resp: 15401

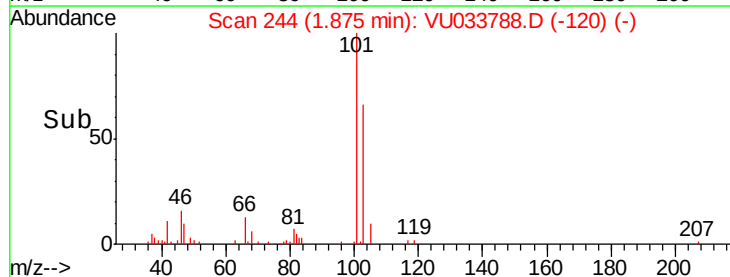
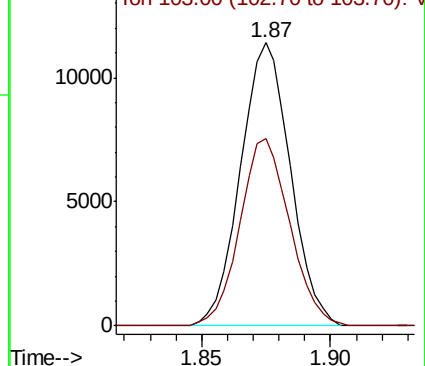
Ion Ratio Lower Upper

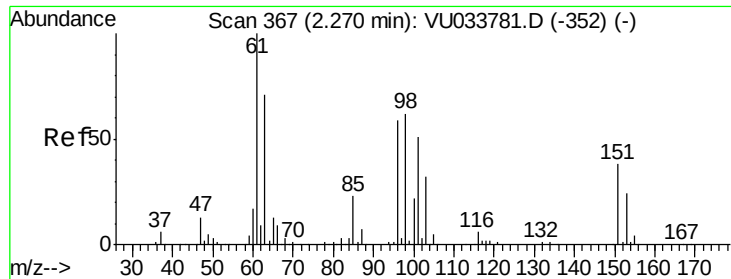
101 100

103 66.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033788.D (-233) (-)





#10

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

Concen: 3.251 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033788.D

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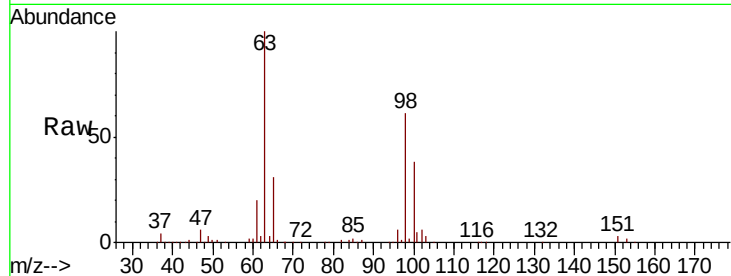
Tgt Ion:101 Resp: 9480

Ion Ratio Lower Upper

101 100

85 36.6 35.2 52.8

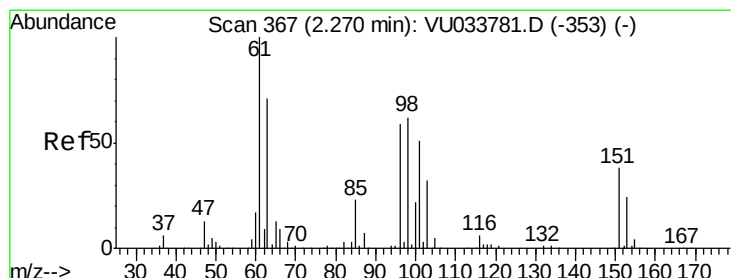
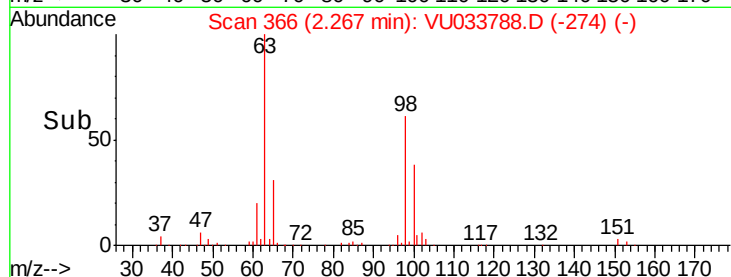
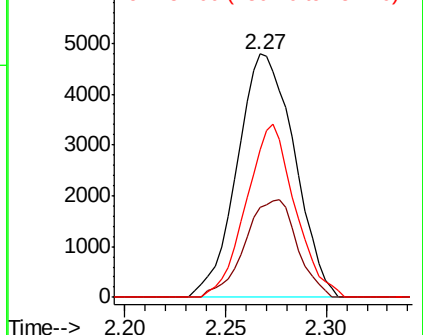
151 60.7 58.5 87.7



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: 3.271 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

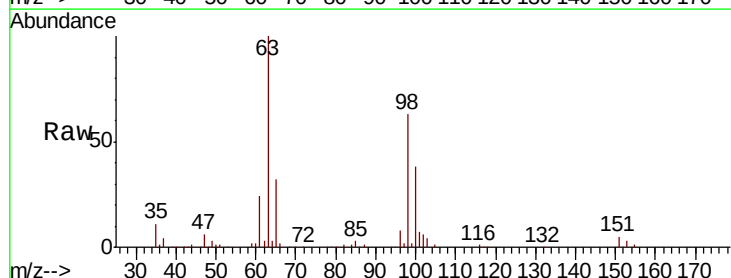
Tgt Ion: 96 Resp: 9385

Ion Ratio Lower Upper

96 100

61 303.6 121.5 225.7#

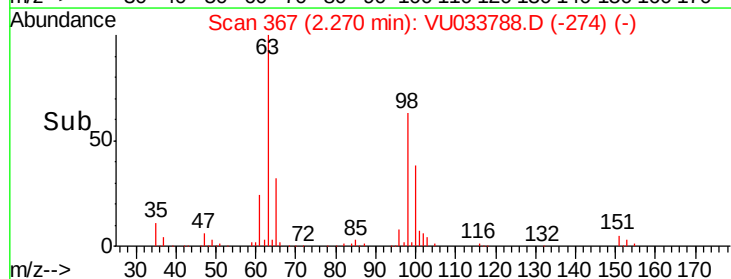
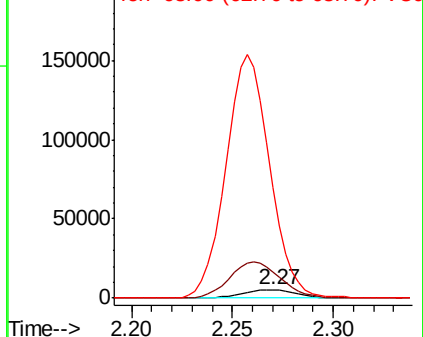
63 1283.2 92.9 172.5#

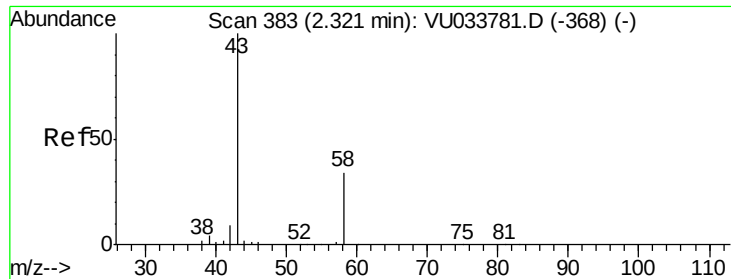


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.493 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

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ClientSampleId :

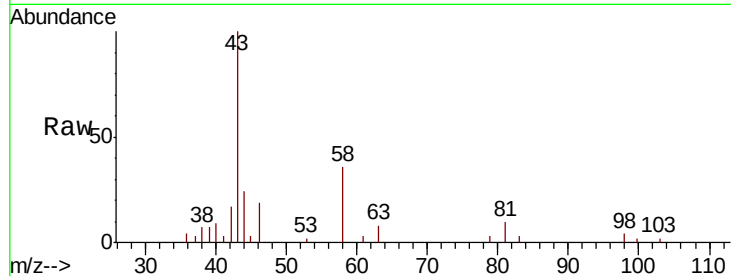
MDL07

Tgt Ion: 43 Resp: 8946

Ion Ratio Lower Upper

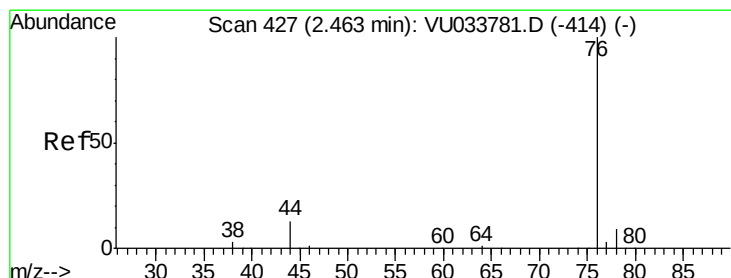
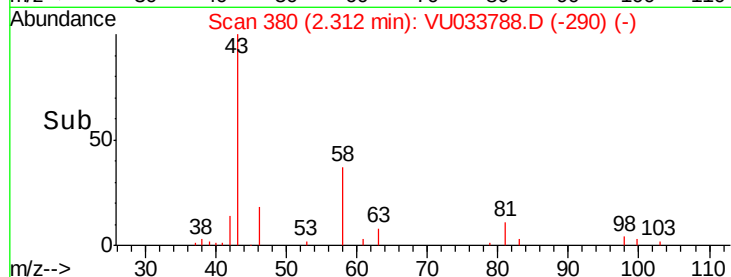
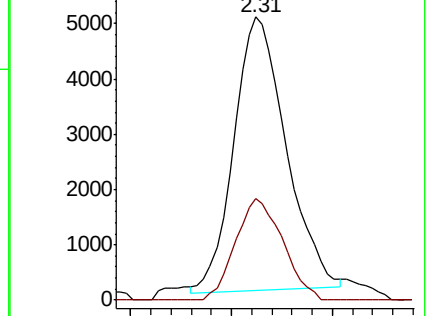
43 100

58 33.7 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VU033788.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VU033788.D (-368) (-)



#14

Carbon disulfide

Concen: 2.697 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033788.D

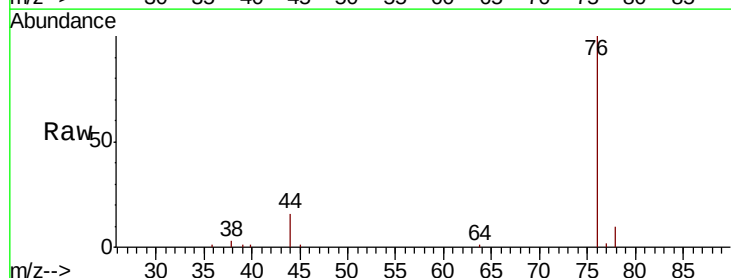
Acq: 13 Aug 2019 17:56

Tgt Ion: 76 Resp: 24491

Ion Ratio Lower Upper

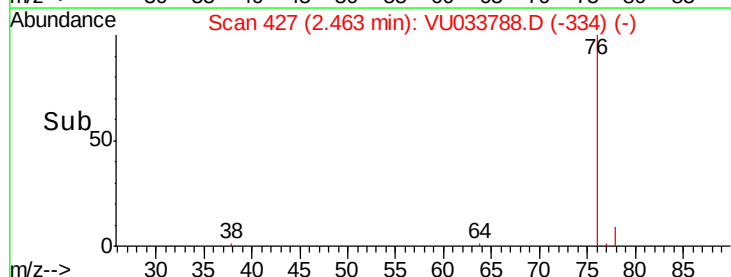
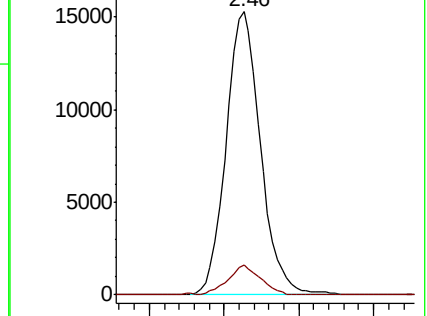
76 100

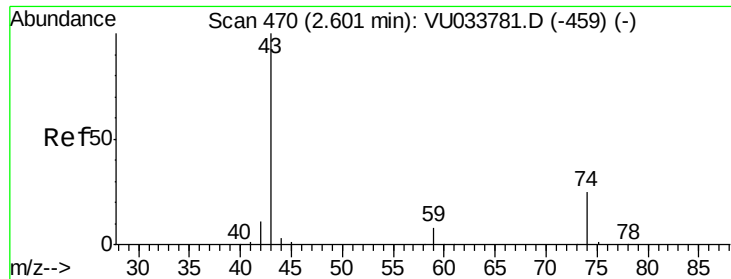
78 10.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU033788.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033788.D (-414) (-)

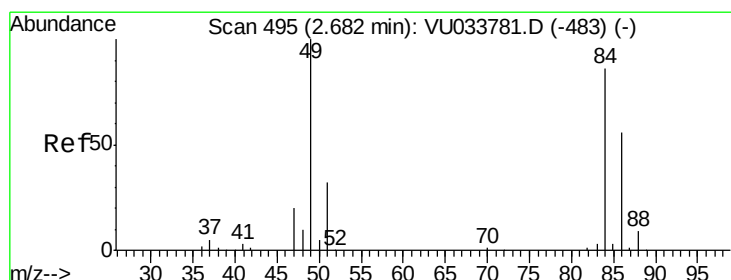
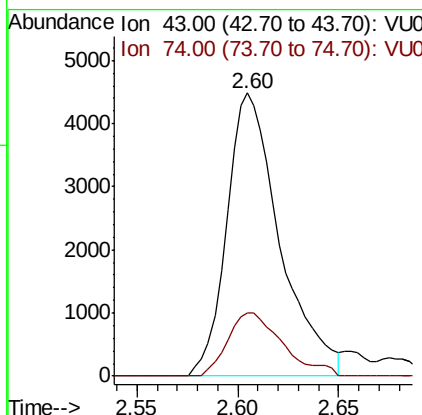
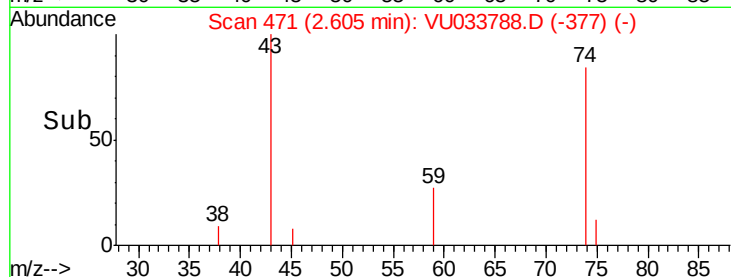
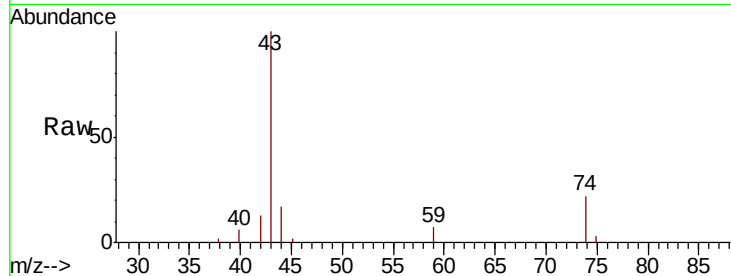




#15
Methyl Acetate
Concen: 2.481 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

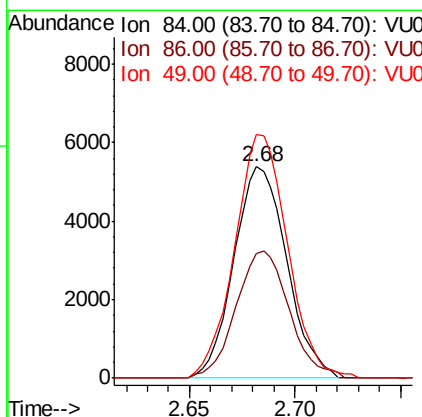
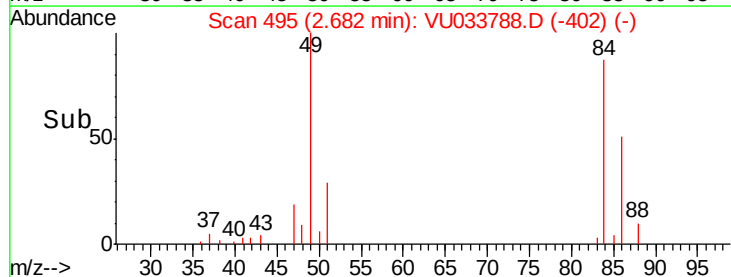
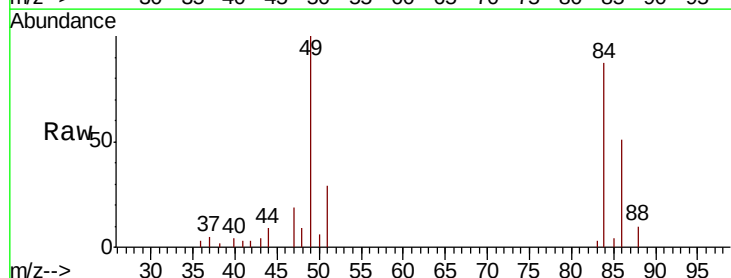
Instrument :
MSVOA_U
ClientSampleId :
MDL07

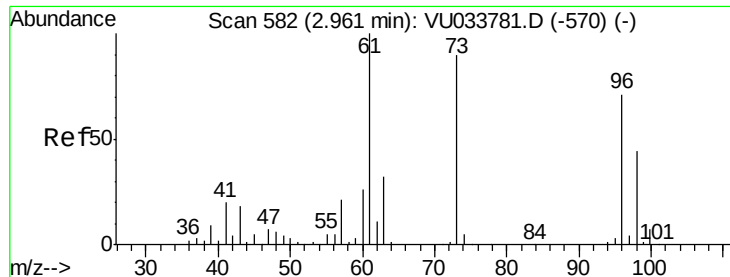
Tgt Ion: 43 Resp: 8258
Ion Ratio Lower Upper
43 100
74 22.0 20.3 30.5



#16
Methylene chloride
Concen: 2.860 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion: 84 Resp: 9367
Ion Ratio Lower Upper
84 100
86 58.7 45.4 84.4
49 115.2 84.9 157.7





#17

trans-1,2-Dichloroethene

Concen: 2.579 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

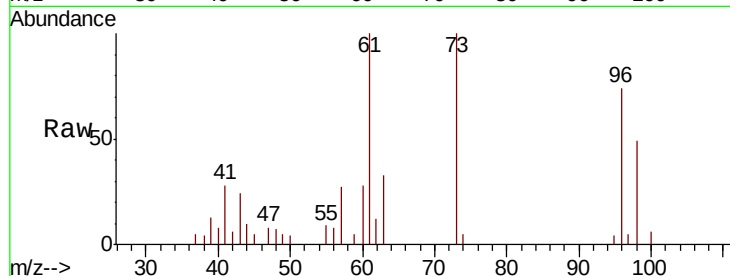
Tgt Ion: 96 Resp: 7700

Ion Ratio Lower Upper

96 100

61 136.0 98.8 183.6

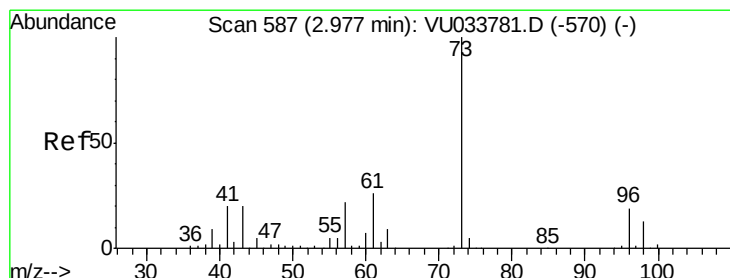
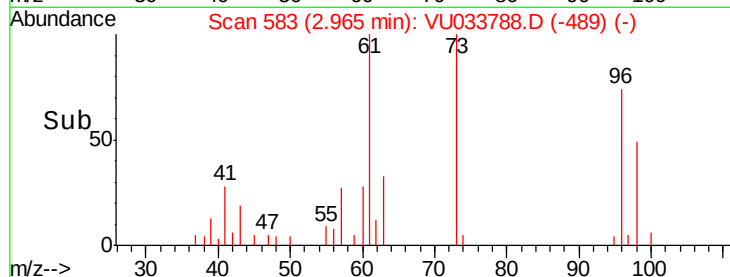
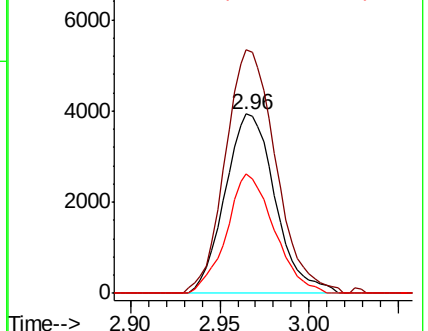
98 66.6 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033788.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033788.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033788.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 2.407 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

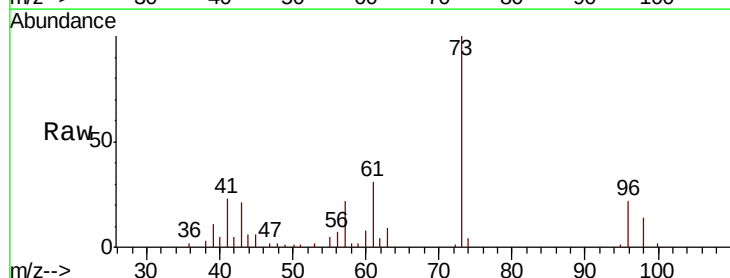
Tgt Ion: 73 Resp: 21366

Ion Ratio Lower Upper

73 100

43 22.1 15.4 23.2

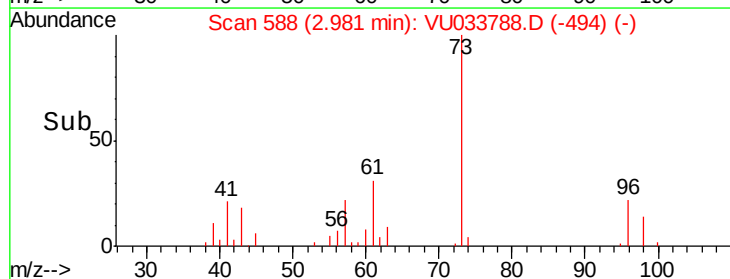
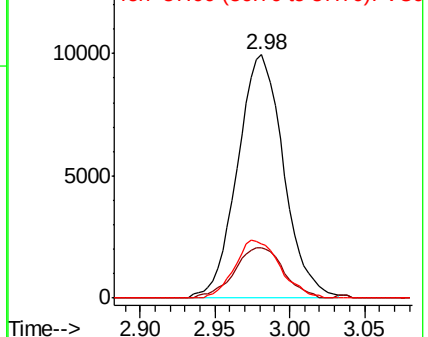
57 23.5 17.9 26.9

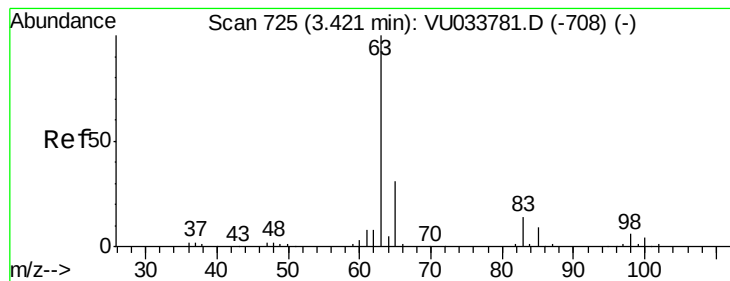


Abundance Ion 73.00 (72.70 to 73.70): VU033788.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033788.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033788.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 2.648 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

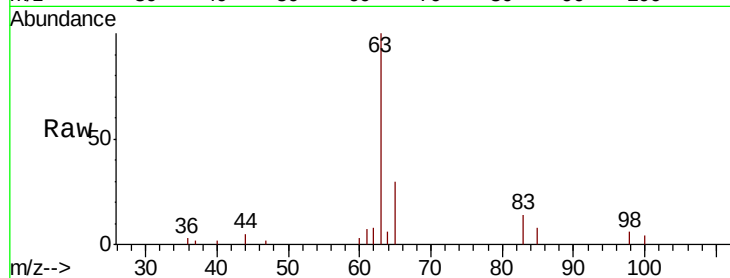
Tgt Ion: 63 Resp: 15193

Ion Ratio Lower Upper

63 100

65 29.8 22.8 42.4

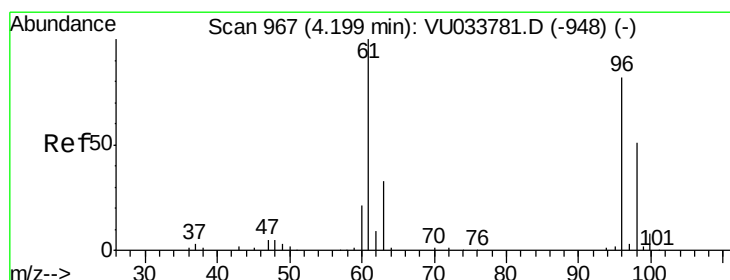
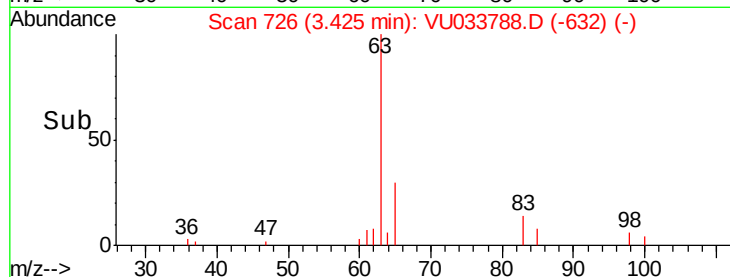
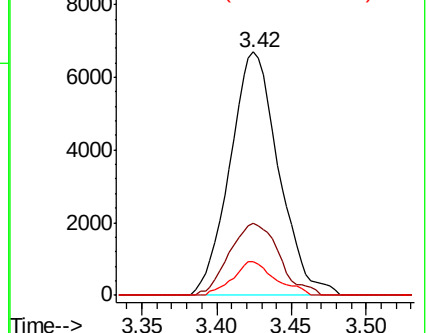
83 13.6 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU033788.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU033788.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU033788.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.507 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

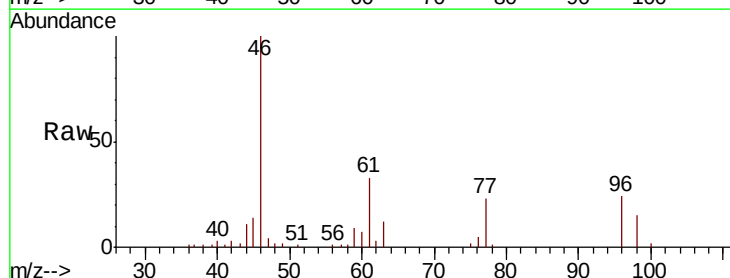
Tgt Ion: 96 Resp: 8220

Ion Ratio Lower Upper

96 100

61 134.0 88.3 163.9

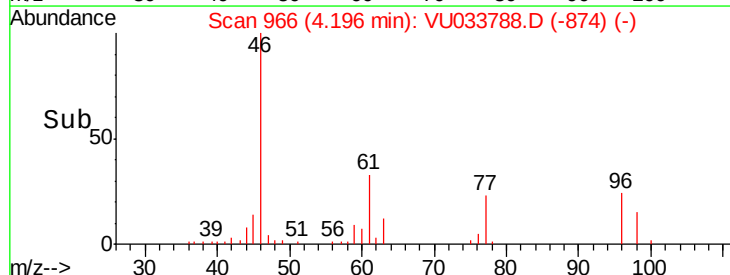
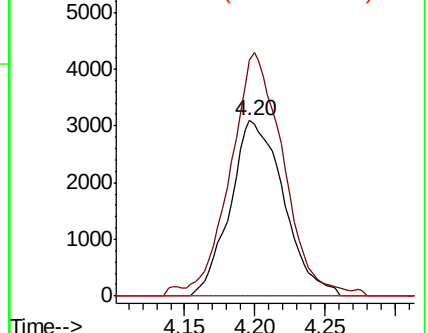
68 0.0 0.0 0.0

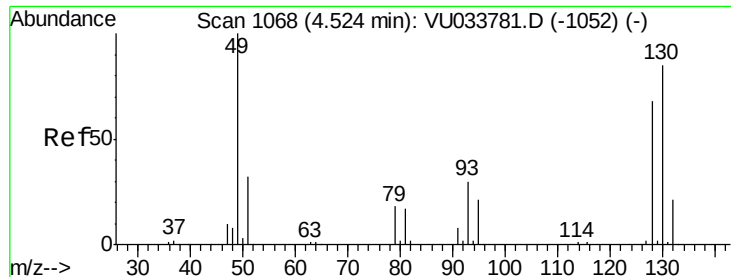


Abundance Ion 96.00 (95.70 to 96.70): VU033788.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033788.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033788.D (-874) (-)

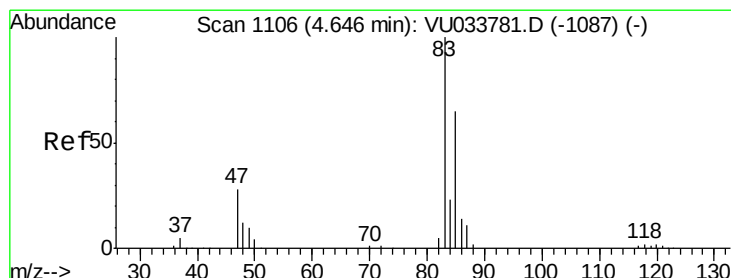
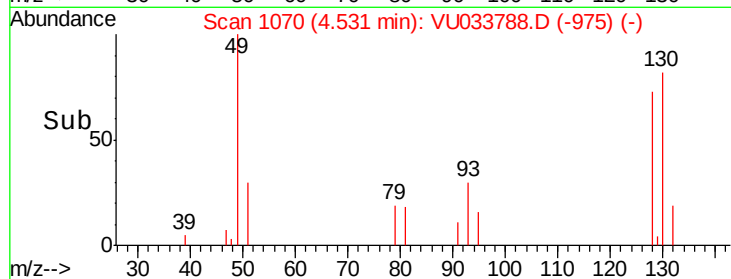
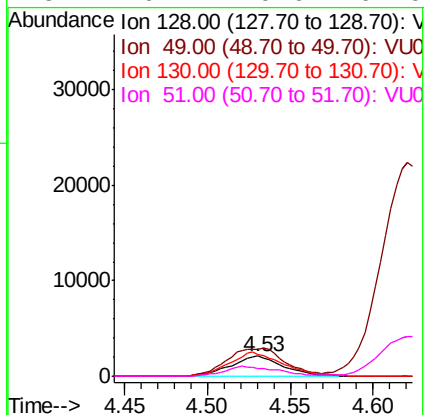
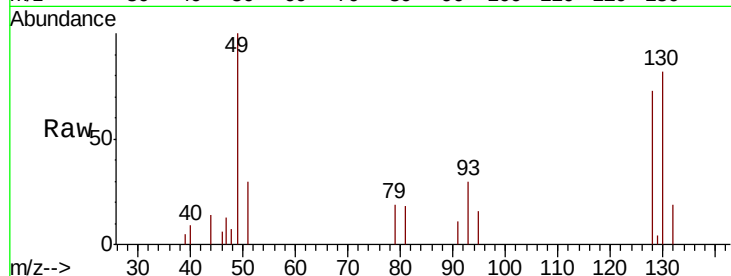




#23
 Bromochloromethane
 Concen: 2.717 ug/L
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

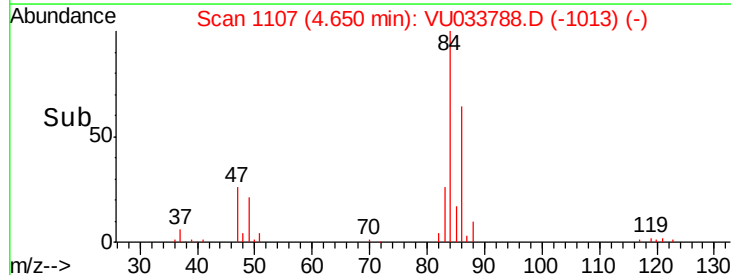
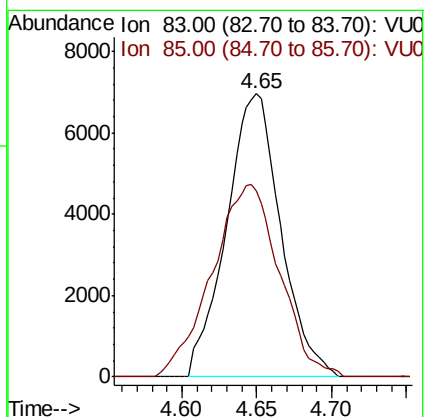
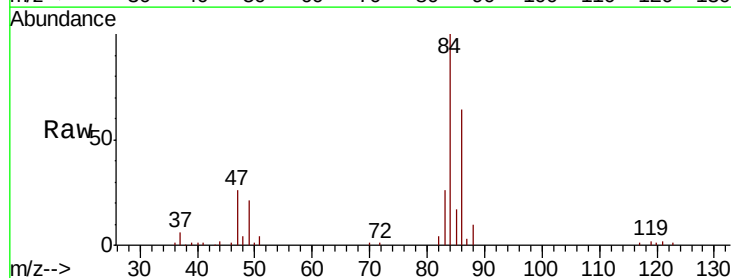
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

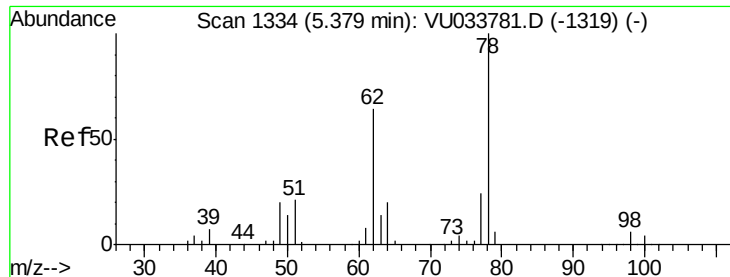
Tgt Ion: 128 Resp: 4616
 Ion Ratio Lower Upper
 128 100
 49 137.5 108.1 200.7
 130 112.6 91.8 170.6
 51 40.7 40.6 61.0



#25
 Chloroform
 Concen: 2.953 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion: 83 Resp: 17607
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.6 84.6

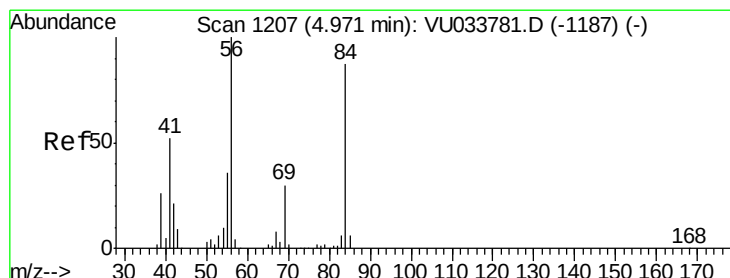
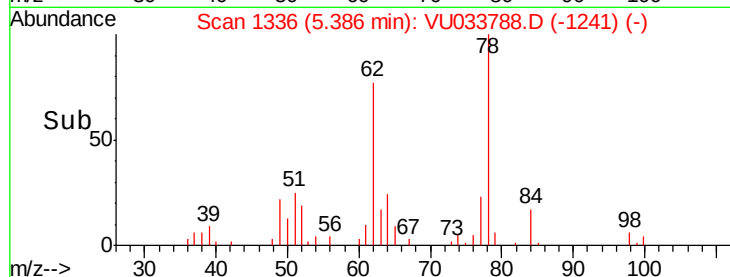
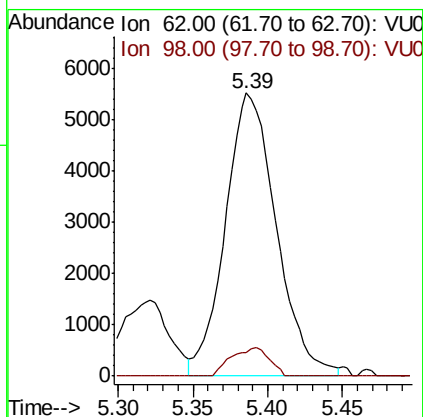
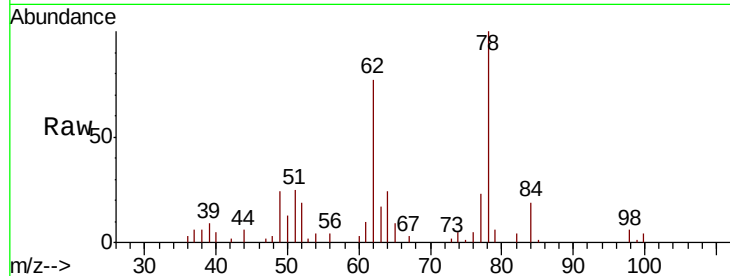




#27
 1,2-Dichloroethane
 Concen: 2.828 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

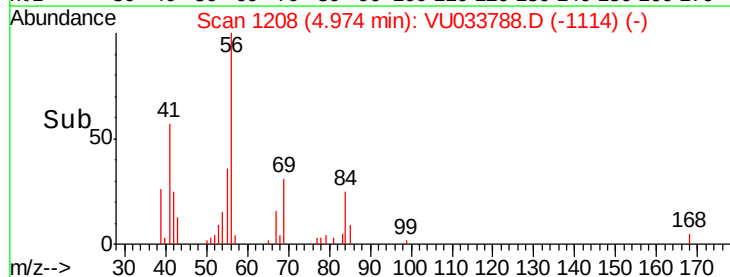
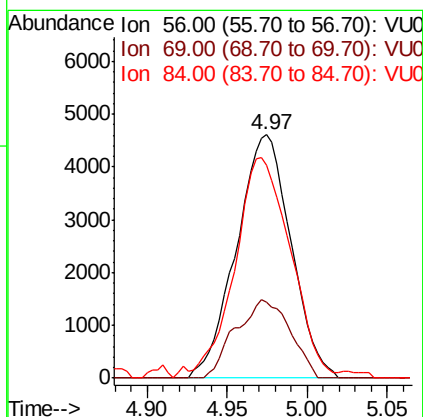
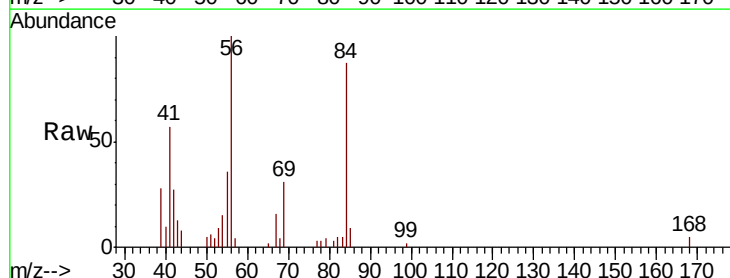
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

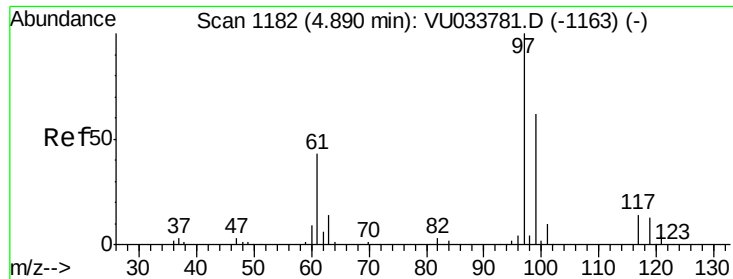
Tgt Ion: 62 Resp: 13099
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.4 11.0



#29
 Cyclohexane
 Concen: 2.421 ug/L
 RT: 4.97 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion: 56 Resp: 10787
 Ion Ratio Lower Upper
 56 100
 69 32.1 25.0 37.4
 84 88.3 70.3 105.5

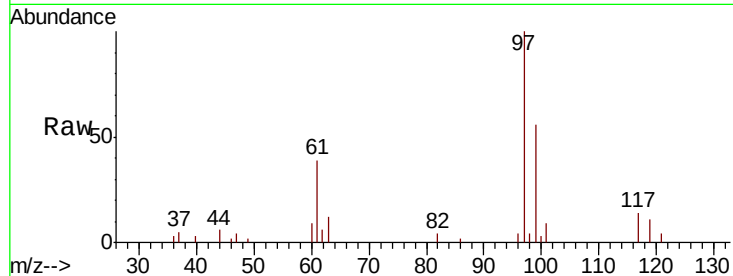




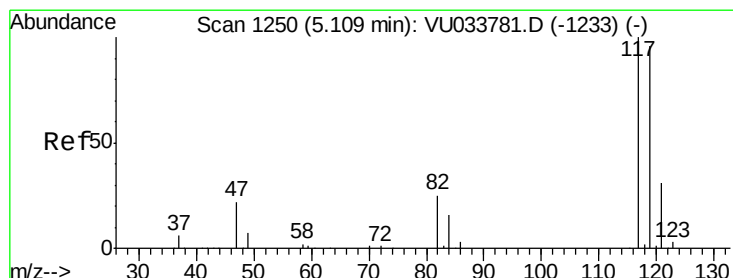
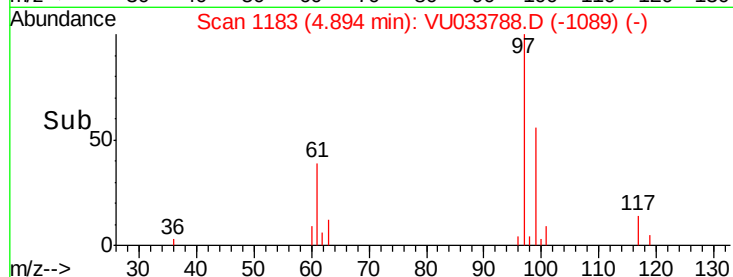
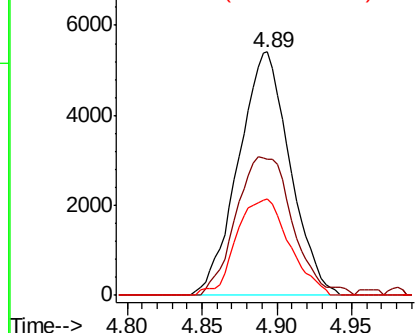
#30
 1,1,1-Trichloroethane
 Concen: 2.608 ug/L
 RT: 4.89 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 97 Resp: 12969
 Ion Ratio Lower Upper
 97 100
 99 61.3 50.9 76.3
 61 40.1 36.6 54.8

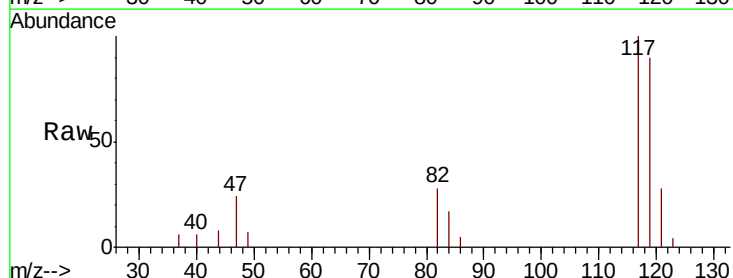


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

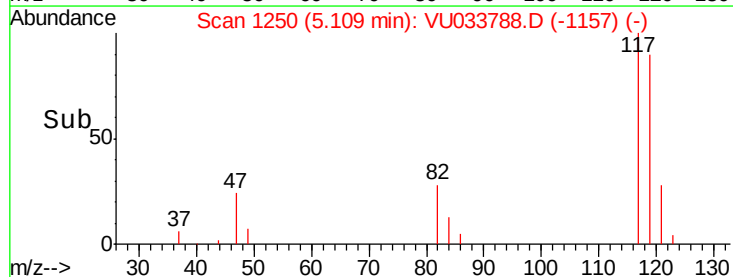
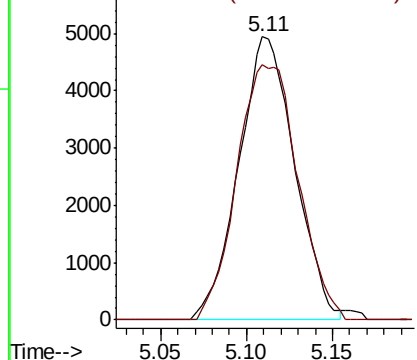


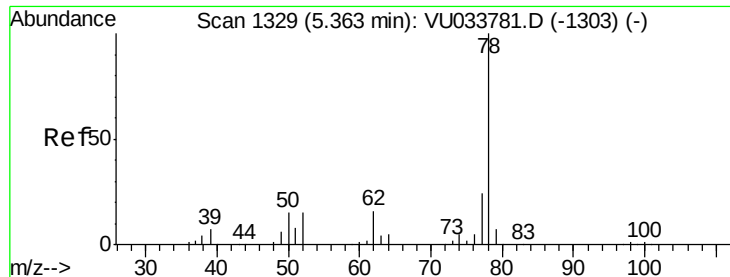
#31
 Carbon tetrachloride
 Concen: 2.535 ug/L
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion: 117 Resp: 11197
 Ion Ratio Lower Upper
 117 100
 119 53.5 77.5 116.3#



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.582 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

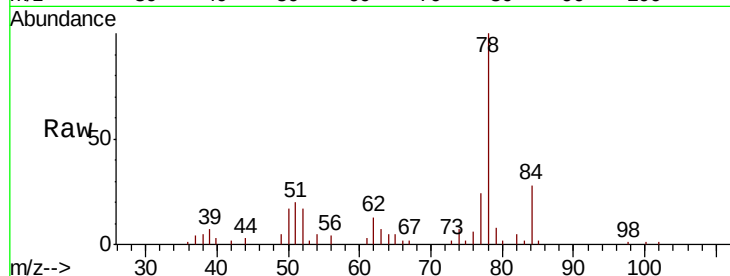
Instrument :

MSVOA_U

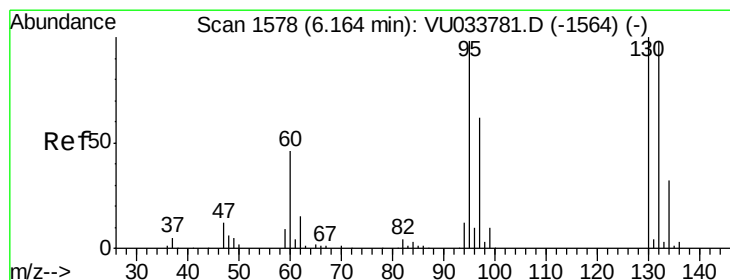
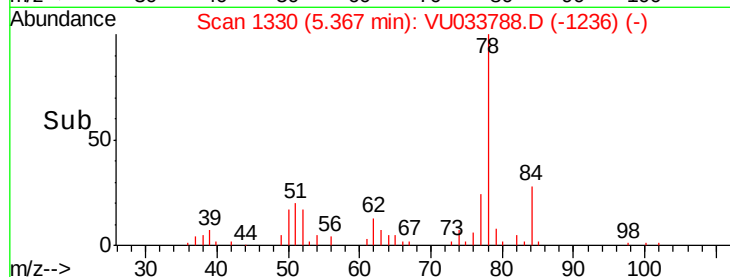
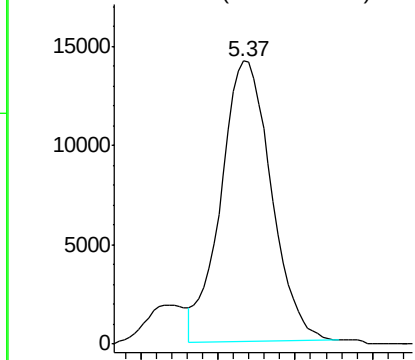
ClientSampleId :

MDL07

Tgt Ion: 78 Resp: 32020



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 2.651 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion: 95 Resp: 8711

Ion	Ratio	Lower	Upper
95	100		
97	58.2	45.1	83.7
132	83.5	67.9	126.1
130	89.7	71.6	133.0

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

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

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

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

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

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

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

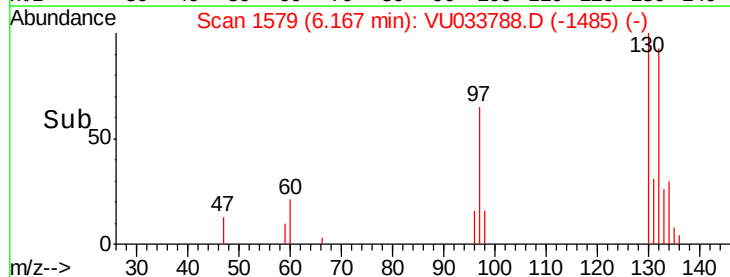
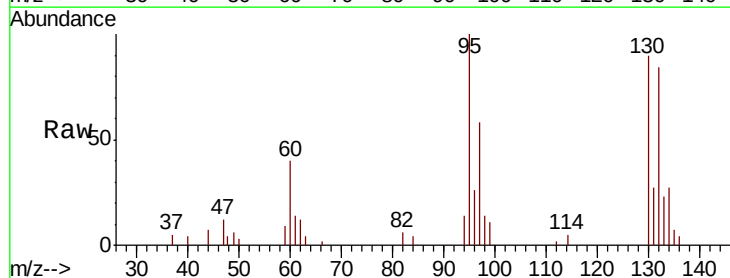
Ion 130.00 (129.70 to 130.70): V

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



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

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

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

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

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

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

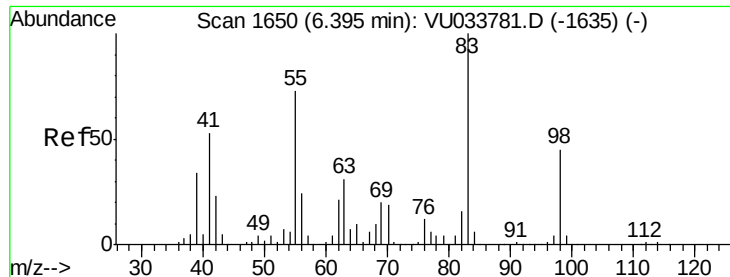
Ion 130.00 (129.70 to 130.70): V

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

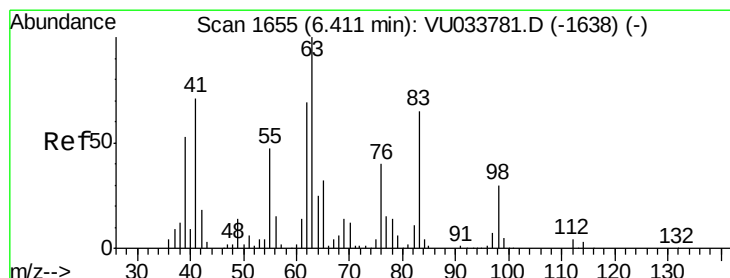
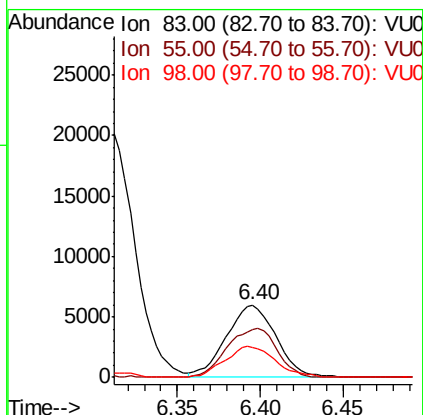
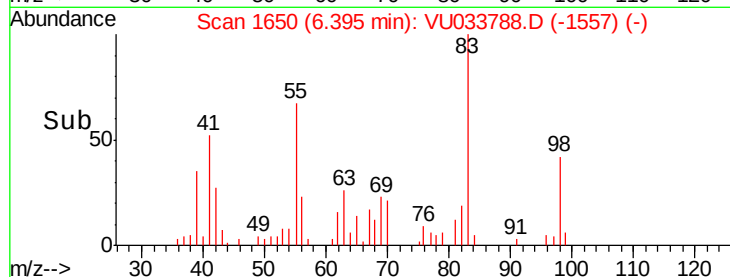
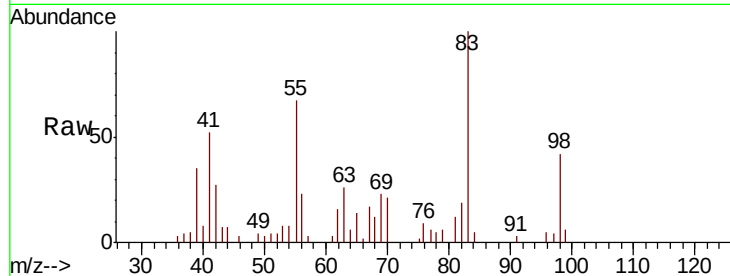
Ion 130.00 (129.70 to 130.70): V



#35
Methylcyclohexane
Concen: 2.614 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

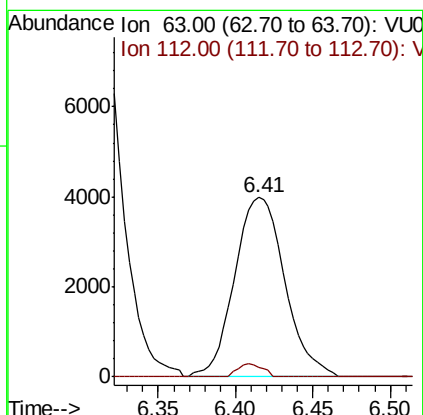
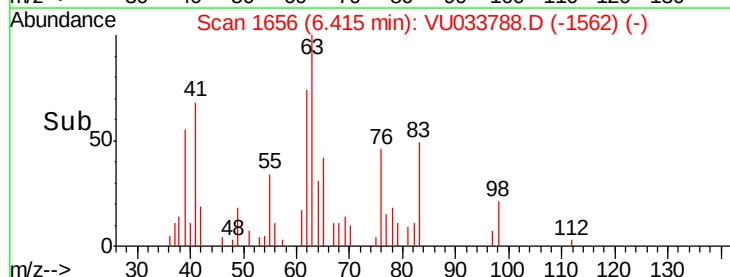
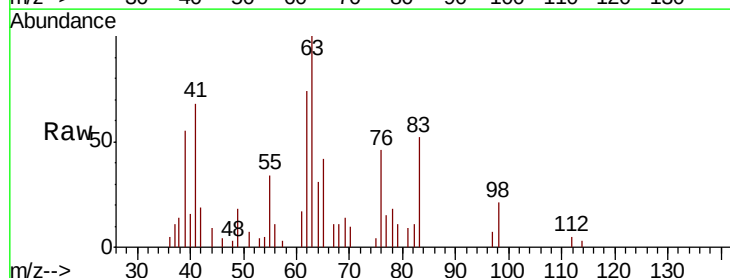
Instrument :
MSVOA_U
ClientSampleId :
MDL07

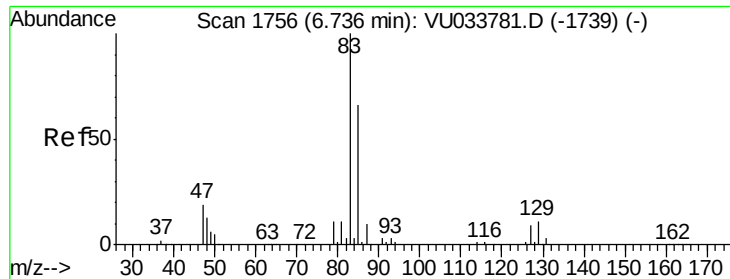
Tgt Ion: 83 Resp: 12520
Ion Ratio Lower Upper
83 100
55 67.3 62.2 93.4
98 43.7 35.8 53.8



#37
1,2-Dichloropropane
Concen: 2.670 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion: 63 Resp: 9022
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.6





#38

Bromodichloromethane

Concen: 2.500 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

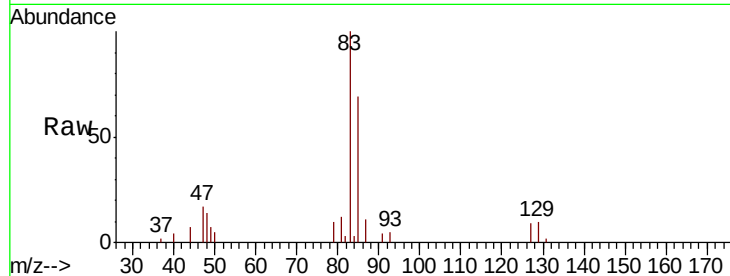
Tgt Ion: 83 Resp: 10901

Ion Ratio Lower Upper

83 100

85 68.8 45.8 85.0

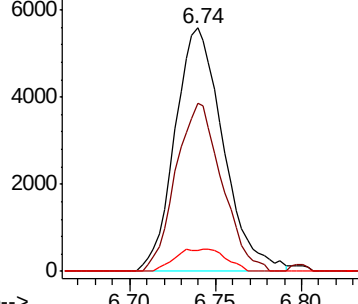
127 8.6 7.4 11.0



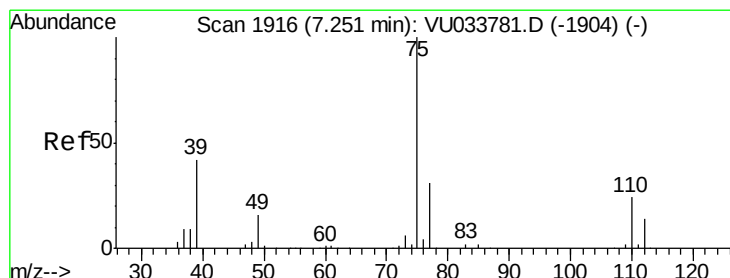
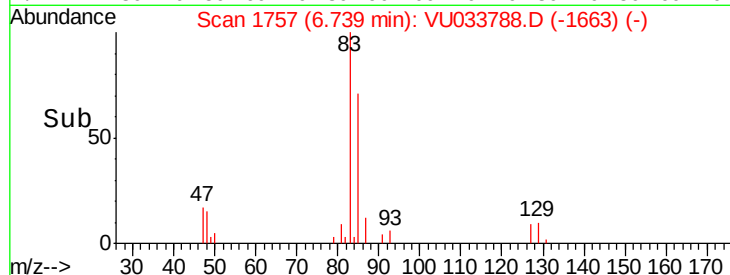
Abundance Ion 83.00 (82.70 to 83.70): VU033788.D (-1739) (-)

Ion 85.00 (84.70 to 85.70): VU033788.D (-1739) (-)

Ion 127.00 (126.70 to 127.70): VU033788.D (-1739) (-)



Time-->



#39

cis-1,3-Dichloropropene

Concen: 2.246 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VU033788.D

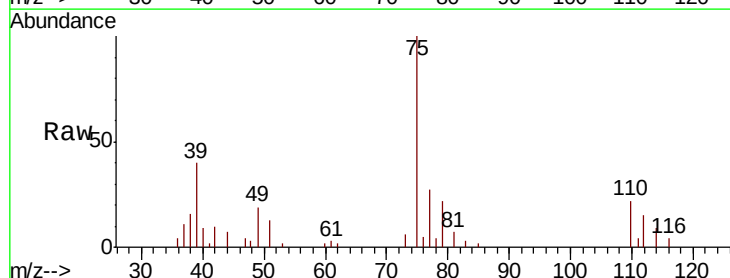
Acq: 13 Aug 2019 17:56

Tgt Ion: 75 Resp: 11205

Ion Ratio Lower Upper

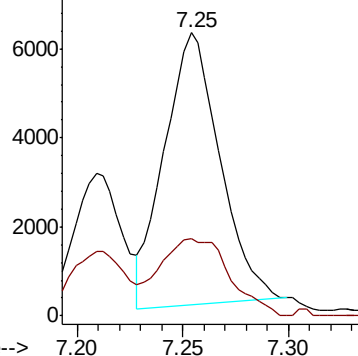
75 100

77 27.3 22.0 40.8

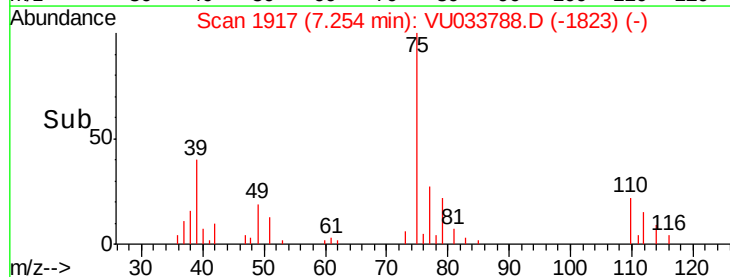


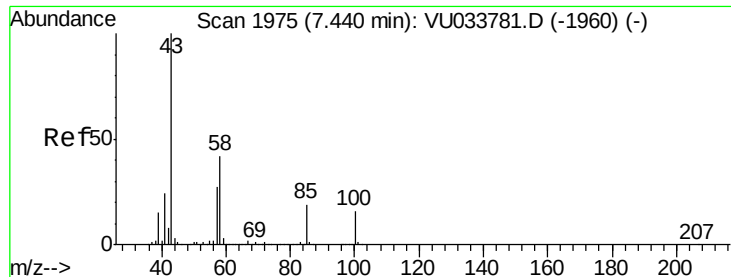
Abundance Ion 75.00 (74.70 to 75.70): VU033788.D (-1823) (-)

Ion 77.00 (76.70 to 77.70): VU033788.D (-1823) (-)



Time-->

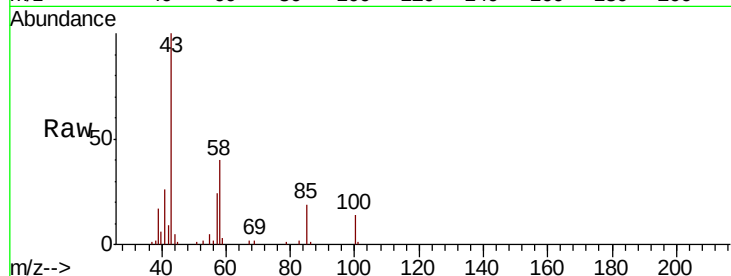




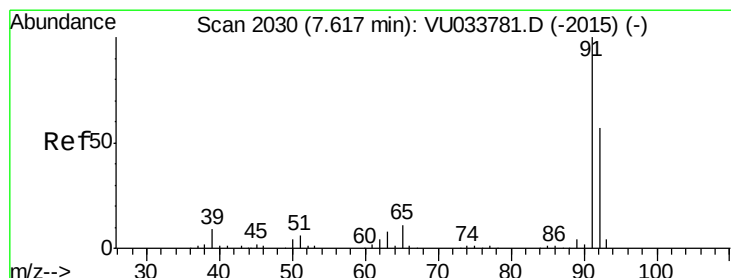
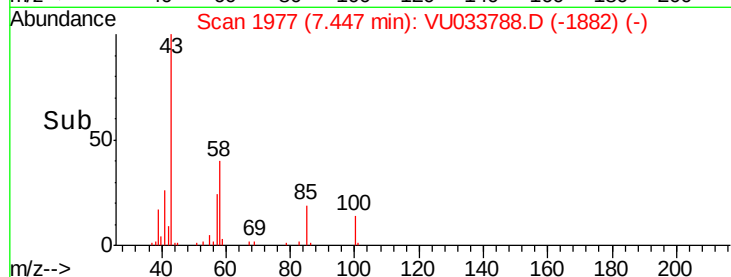
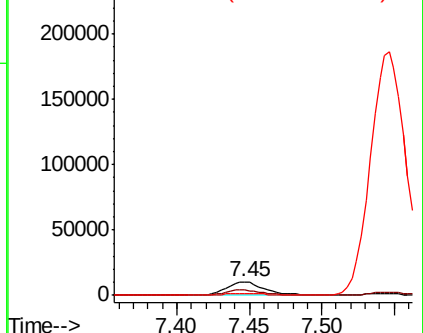
#40
 4-Methyl-2-pentanone
 Concen: 4.568 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 43 Resp: 19207
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.5 48.7
 100 14.2 12.2 18.2

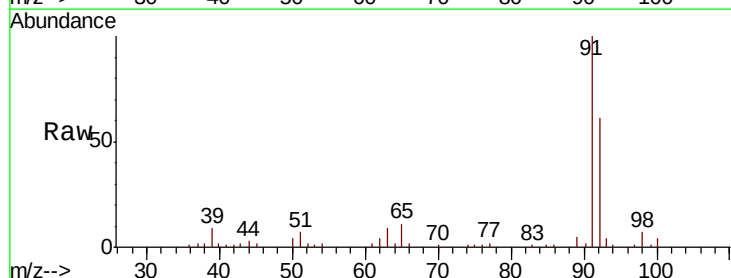


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

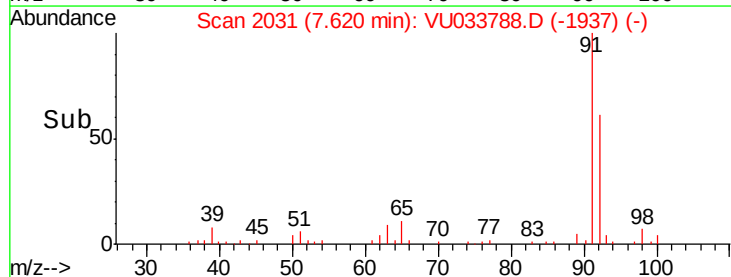
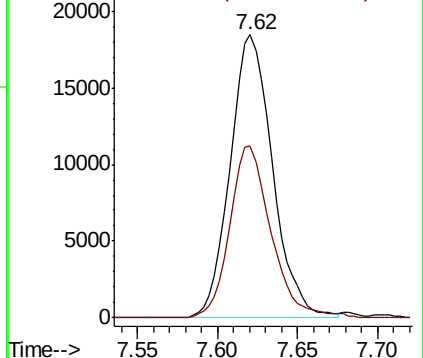


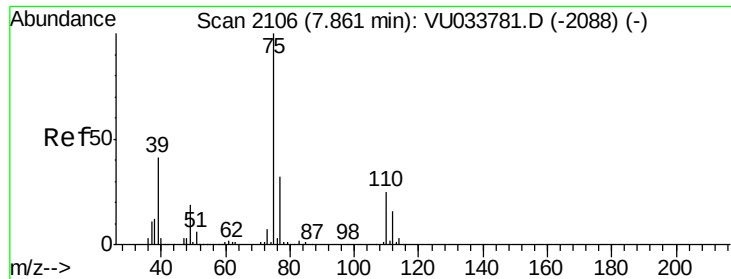
#42
 Toluene
 Concen: 2.547 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion: 91 Resp: 33368
 Ion Ratio Lower Upper
 91 100
 92 60.9 40.0 74.2



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: 2.397 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

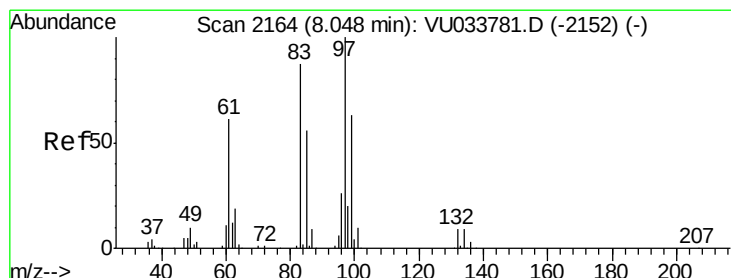
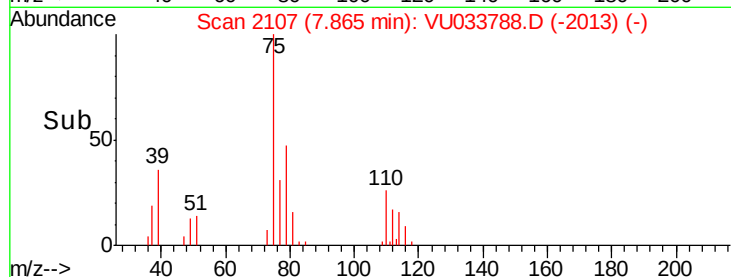
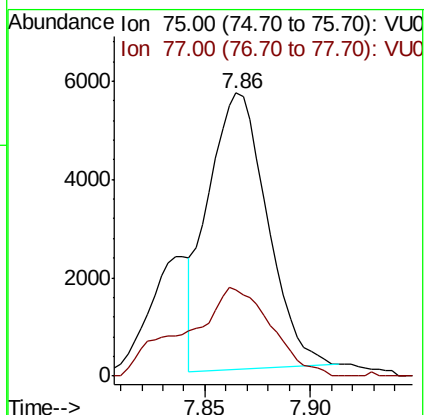
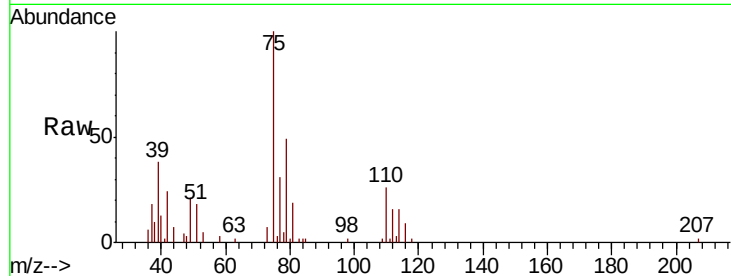
MDL07

Tgt Ion: 75 Resp: 10892

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.3



#45

1,1,2-Trichloroethane

Concen: 2.439 ug/L

RT: 8.05 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion: 97 Resp: 7779

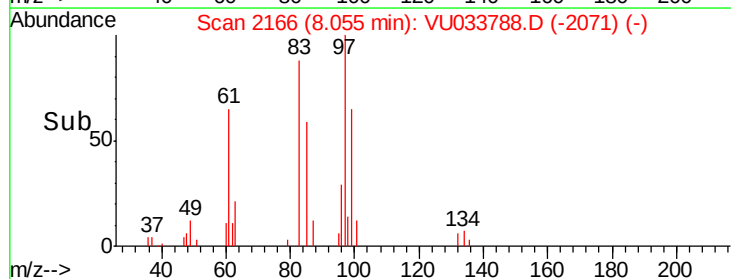
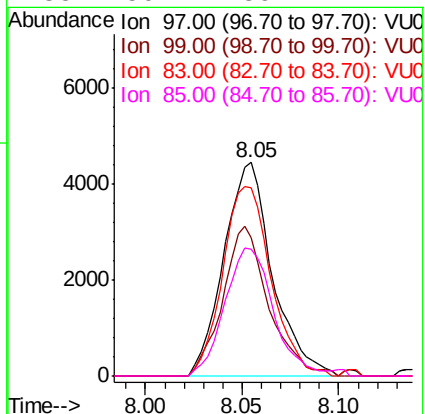
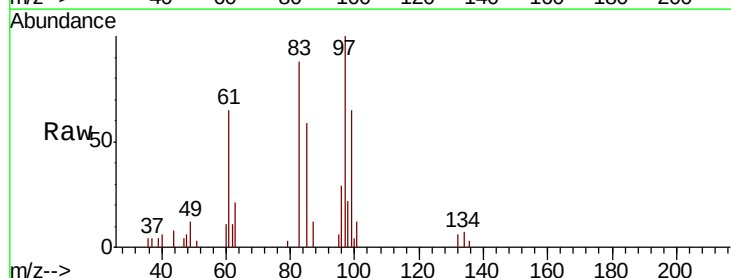
Ion Ratio Lower Upper

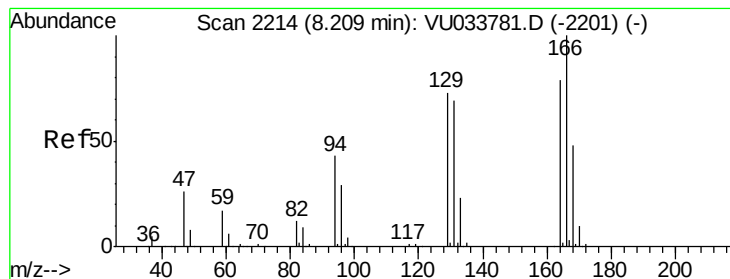
97 100

99 64.7 43.5 80.9

83 88.0 61.8 114.8

85 59.4 39.1 72.7





#46

Tetrachloroethene

Concen: 2.640 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tgt Ion:164 Resp: 6803

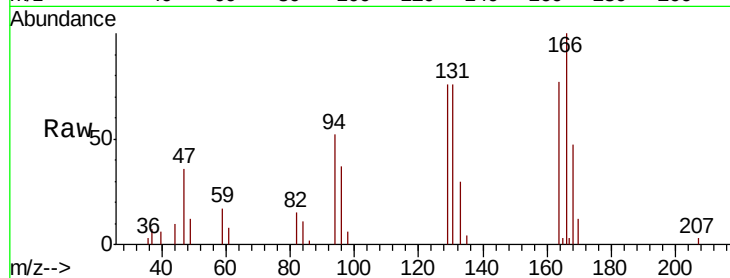
Ion Ratio Lower Upper

164 100

129 98.8 65.5 121.6

131 98.3 64.0 119.0

166 129.9 89.4 166.0

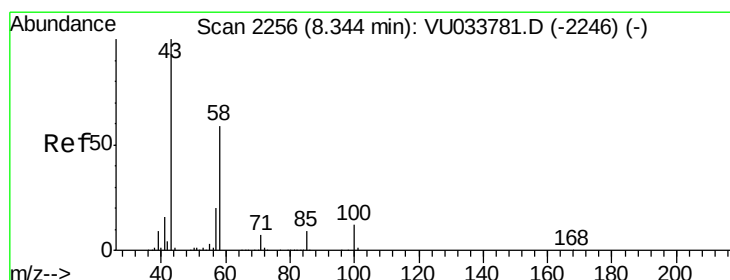
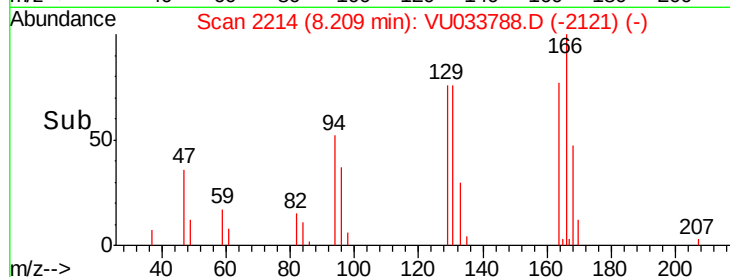
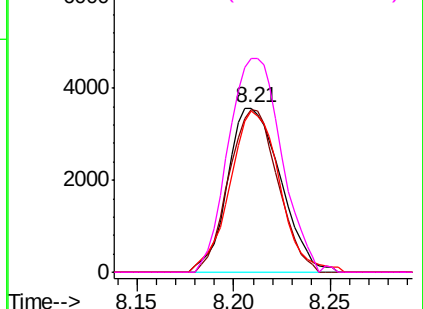


Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.590 ug/L

RT: 8.35 min Scan# 2258

Delta R.T. 0.01 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion: 43 Resp: 21211

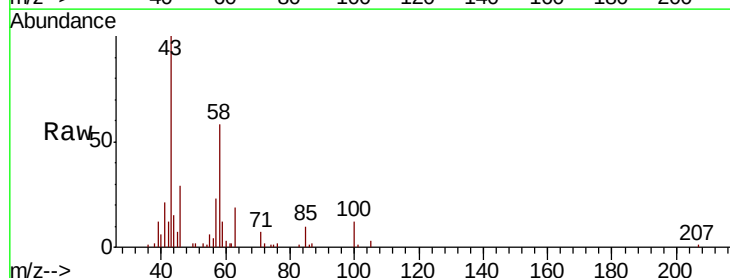
Ion Ratio Lower Upper

43 100

58 55.4 45.4 68.0

57 19.6 15.4 23.0

100 11.2 9.4 14.2

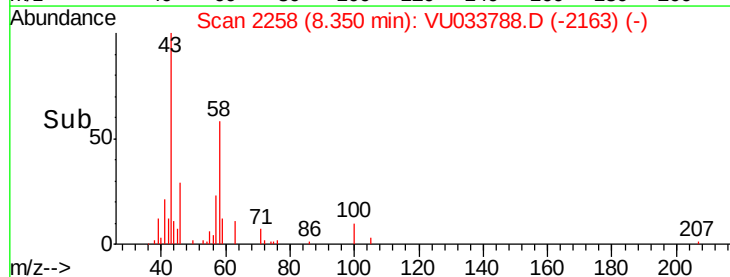
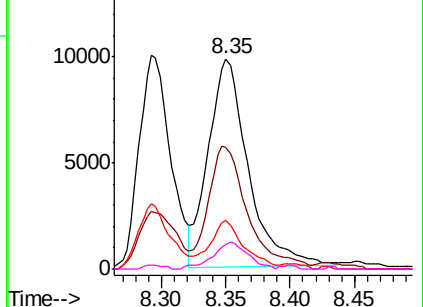


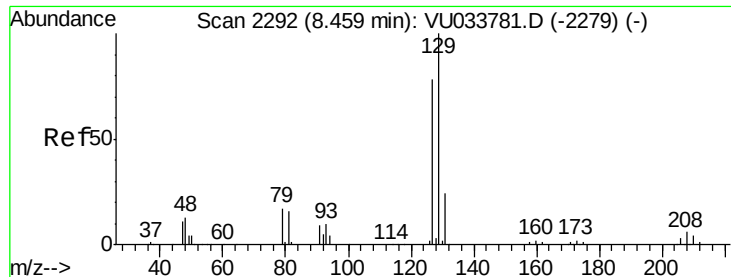
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 2.528 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

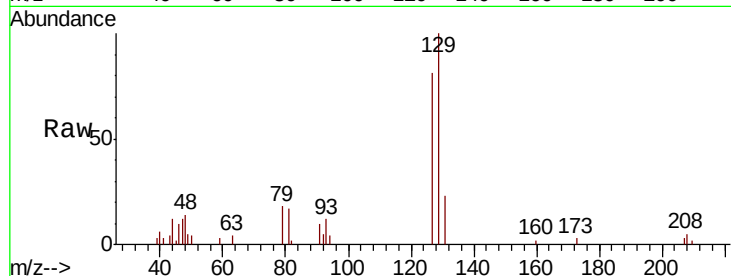
MDL07

Tgt Ion:129 Resp: 9003

Ion Ratio Lower Upper

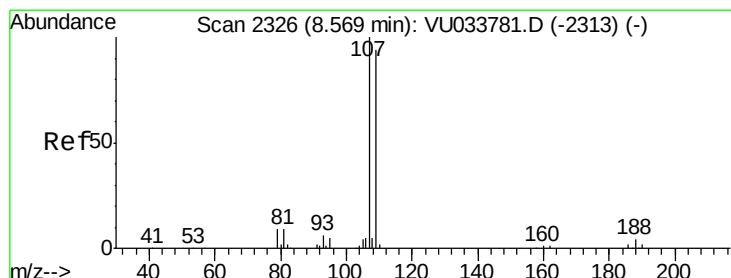
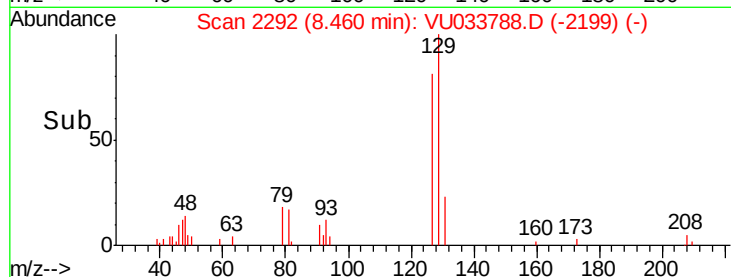
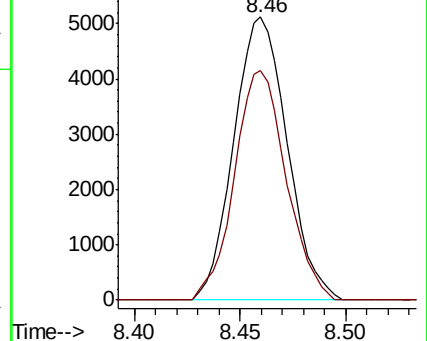
129 100

127 81.3 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.666 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

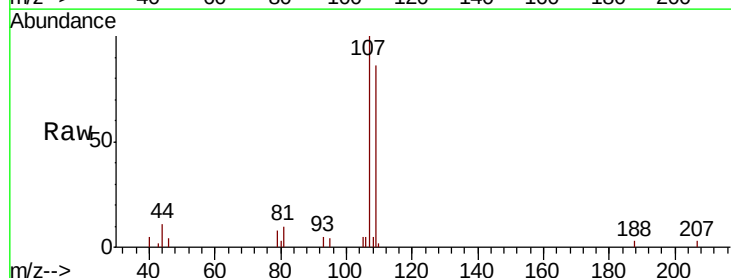
Tgt Ion:107 Resp: 8921

Ion Ratio Lower Upper

107 100

109 85.6 66.0 122.6

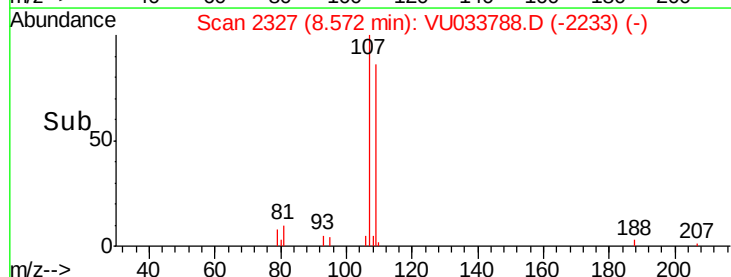
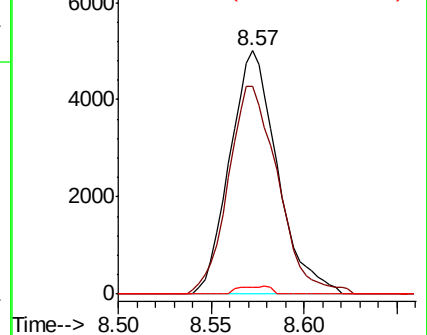
188 2.7 3.0 4.6#

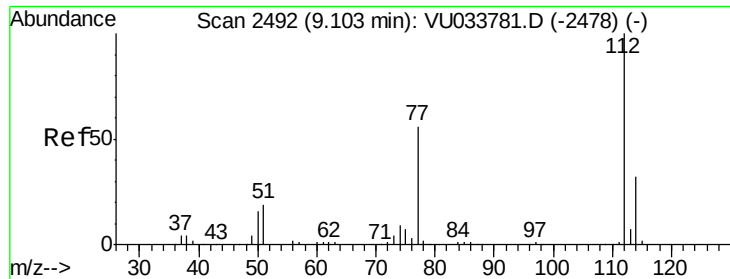


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

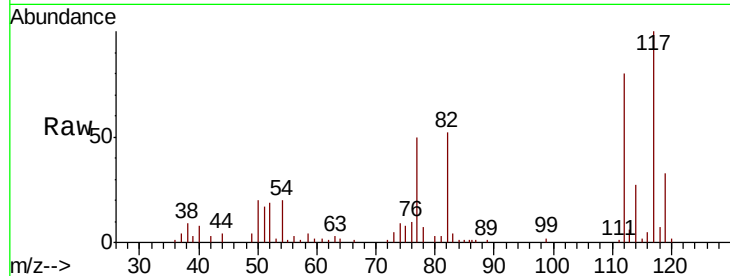




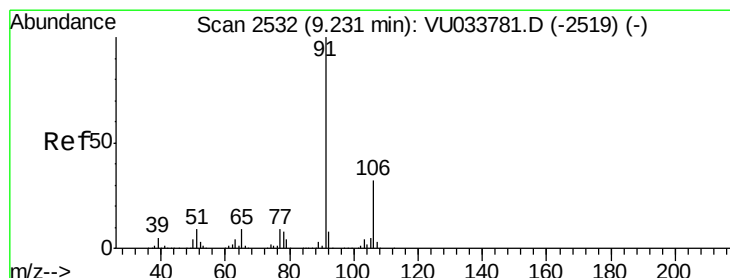
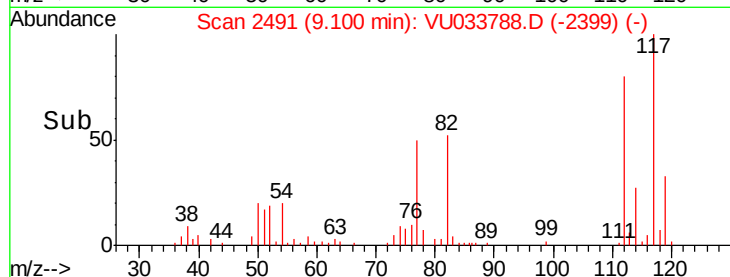
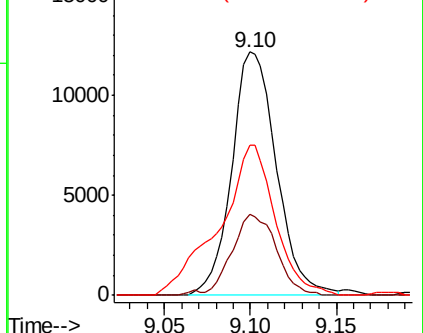
#51
Chlorobenzene
Concen: 2.577 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 112 Resp: 21965
Ion Ratio Lower Upper
112 100
114 33.4 22.4 41.6
77 61.8 46.2 69.4

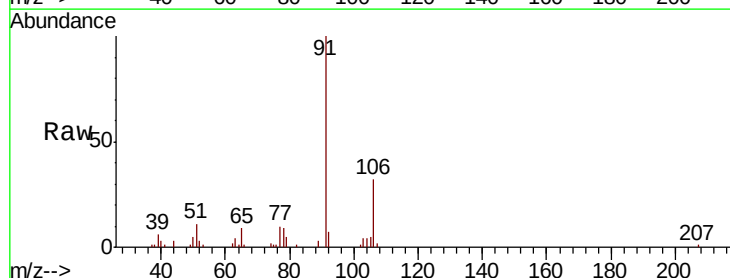


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

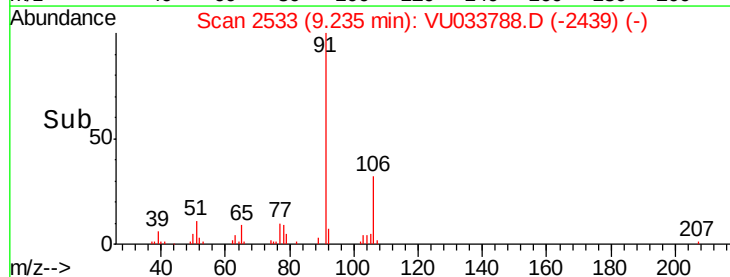
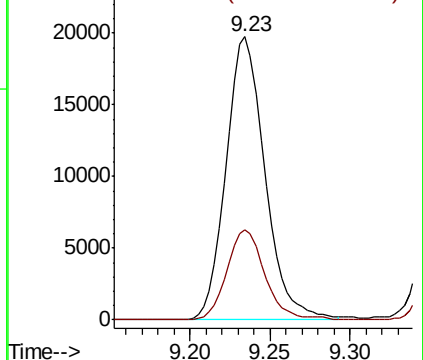


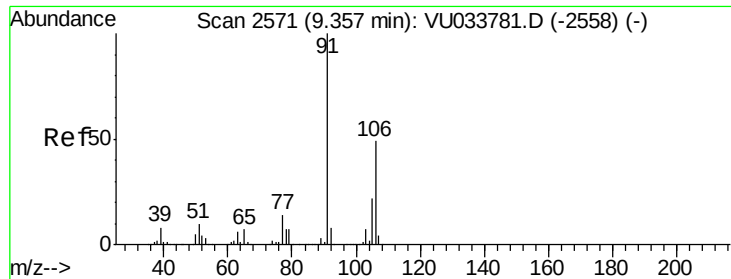
#52
Ethylbenzene
Concen: 2.377 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion: 91 Resp: 32763
Ion Ratio Lower Upper
91 100
106 31.9 22.0 41.0



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

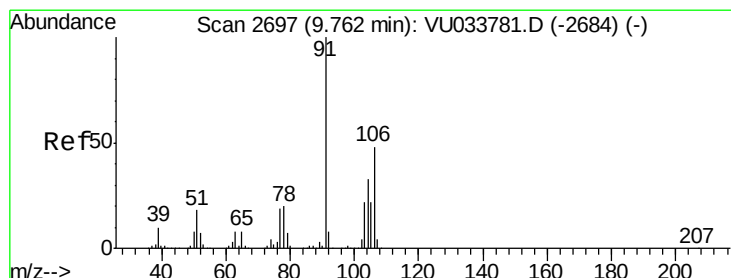
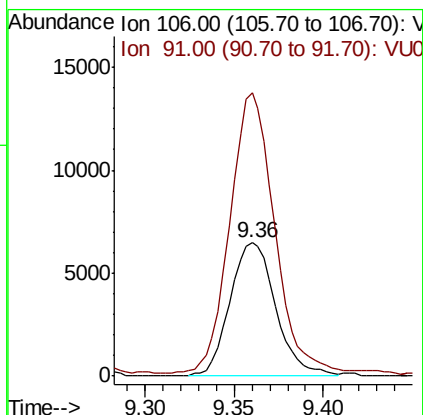
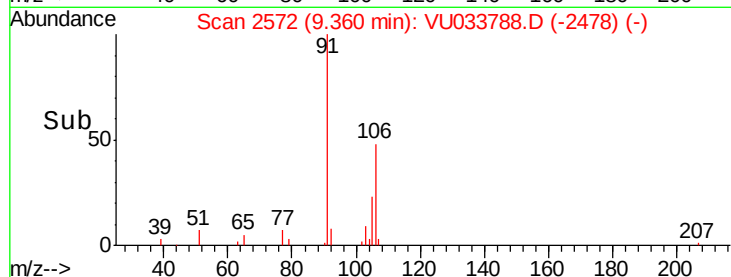
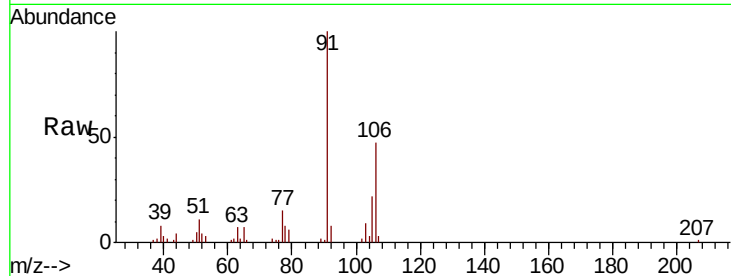




#53
m,p-Xylene
Concen: 2.247 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

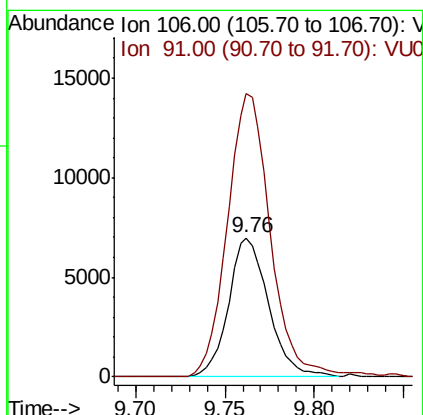
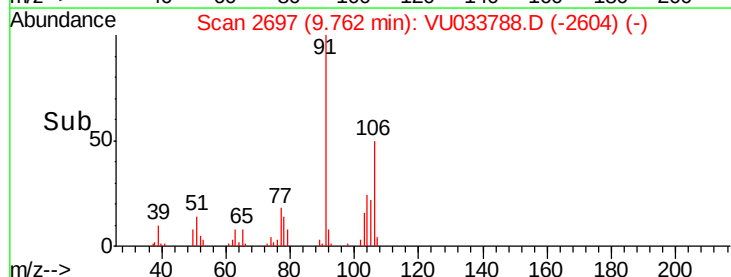
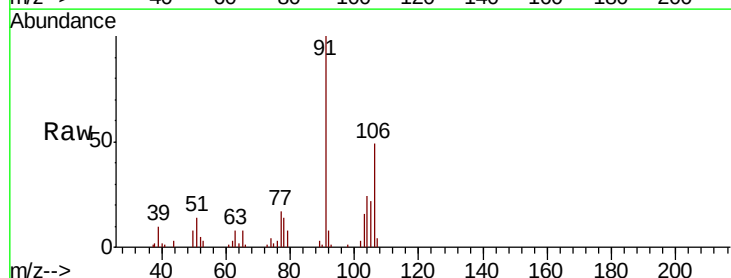
Instrument :
MSVOA_U
ClientSampleId :
MDL07

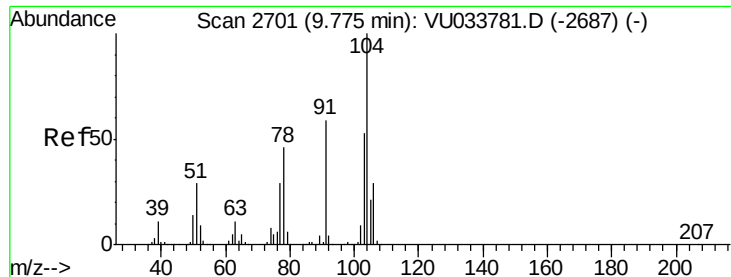
Tgt Ion:106 Resp: 11578
Ion Ratio Lower Upper
106 100
91 212.4 142.1 263.9



#54
o-xylene
Concen: 2.159 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion:106 Resp: 10944
Ion Ratio Lower Upper
106 100
91 203.5 150.4 279.4





#55

Styrene

Concen: 2.126 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

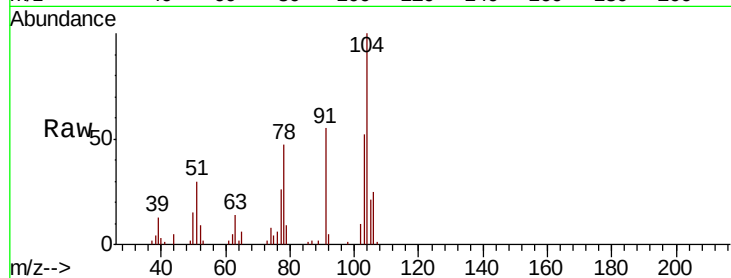
MDL07

Tgt Ion:104 Resp: 18296

Ion Ratio Lower Upper

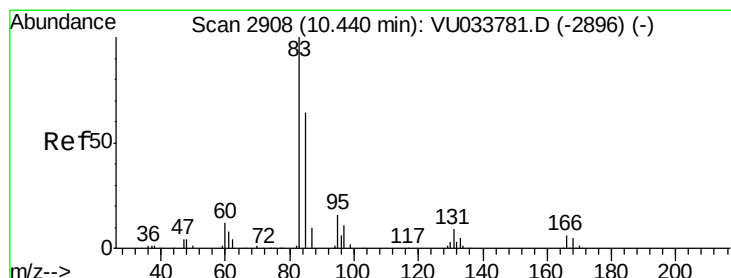
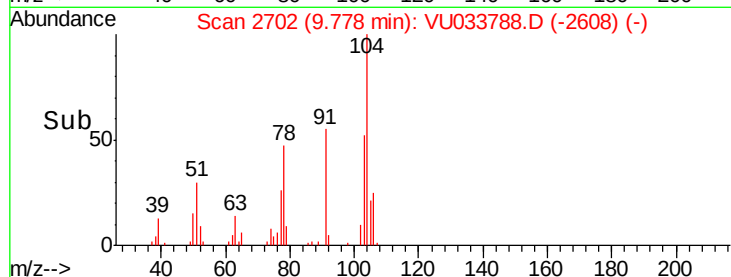
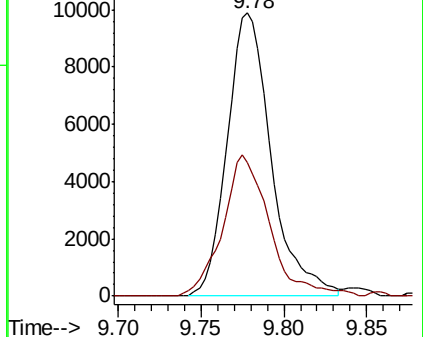
104 100

78 47.1 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): VU033788.D (-2687) (-)

Ion 78.00 (77.70 to 78.70): VU033788.D (-2687) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.694 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

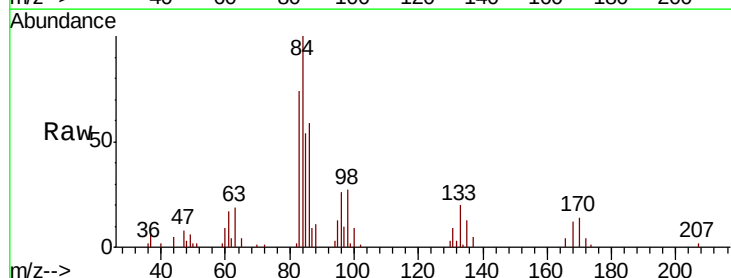
Tgt Ion: 83 Resp: 14373

Ion Ratio Lower Upper

83 100

85 72.0 44.7 83.1

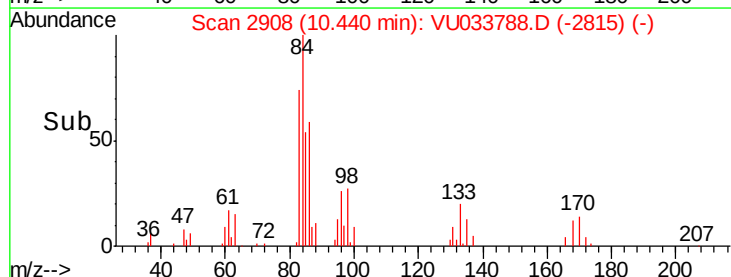
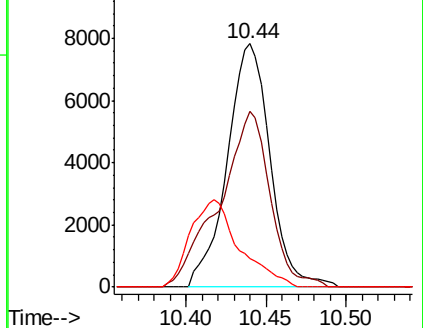
131 11.9 7.8 11.6#

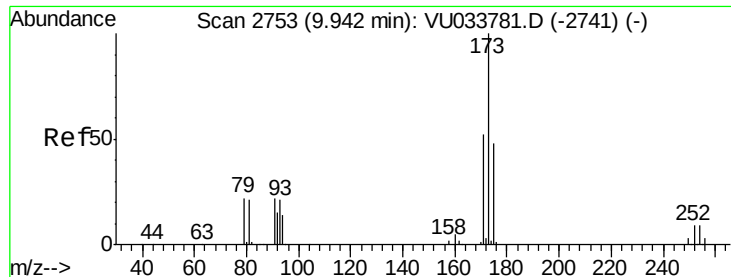


Abundance Ion 83.00 (82.70 to 83.70): VU033788.D (-2896) (-)

Ion 85.00 (84.70 to 85.70): VU033788.D (-2896) (-)

Ion 131.00 (130.70 to 131.70): VU033788.D (-2896) (-)





#59

Bromoform

Concen: 2.537 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

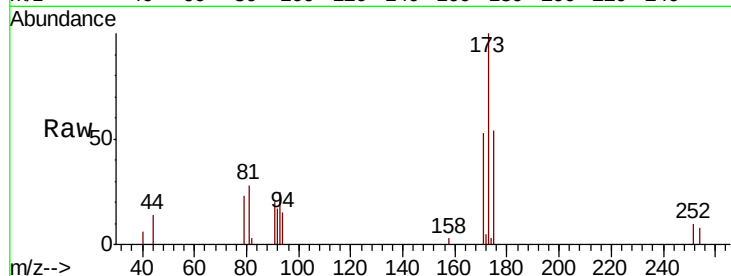
Tgt Ion:173 Resp: 6249

Ion Ratio Lower Upper

173 100

175 51.4 38.9 58.3

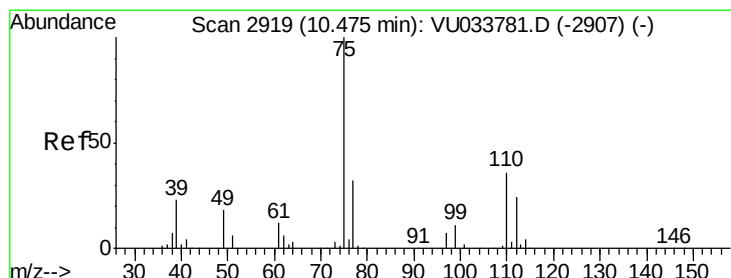
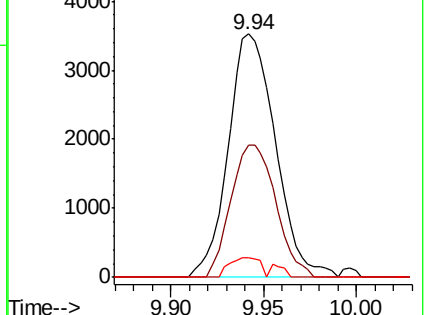
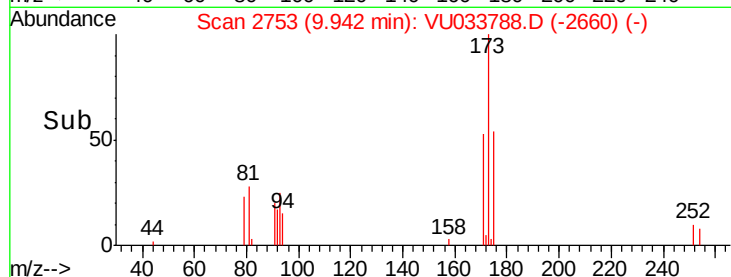
254 5.2 7.4 11.0#



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



#60

1,2,3-Trichloropropane

Concen: 2.744 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

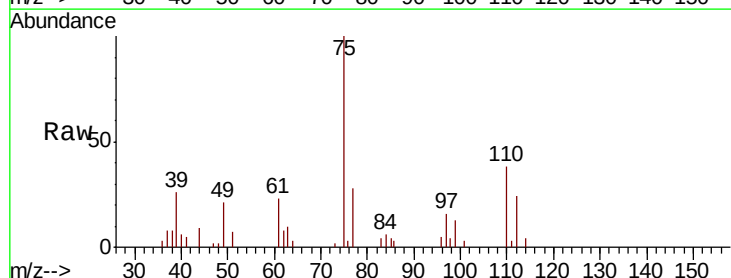
Tgt Ion: 75 Resp: 10645

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

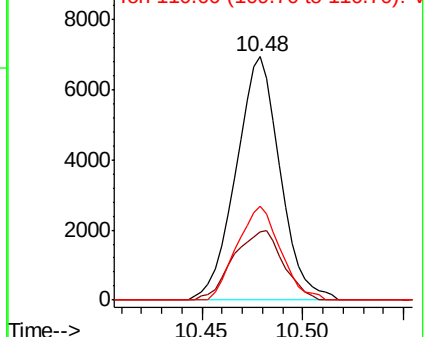
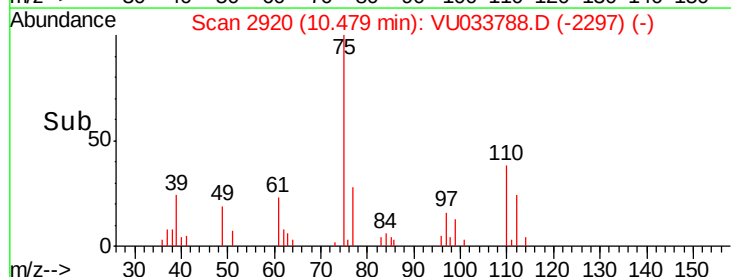
110 38.0 29.7 44.5

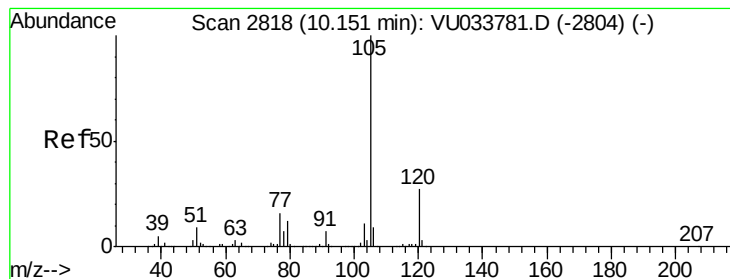


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V





#61

Isopropylbenzene

Concen: 2.337 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

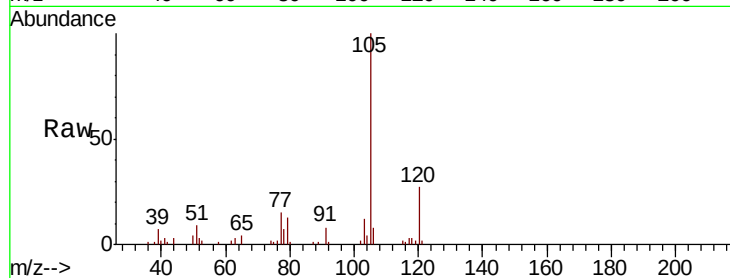
Tgt Ion:105 Resp: 27888

Ion Ratio Lower Upper

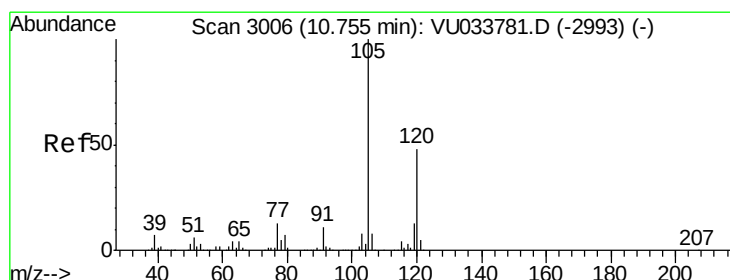
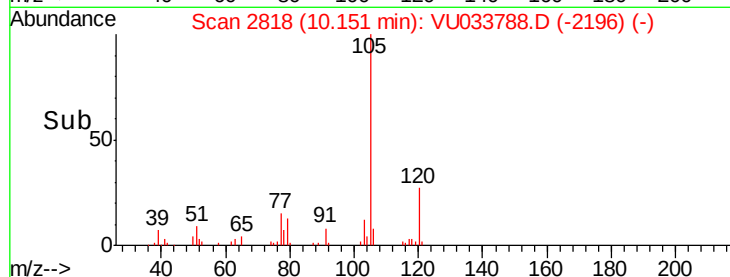
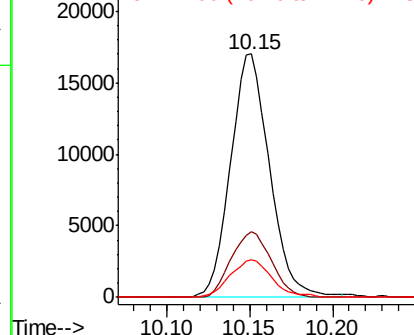
105 100

120 27.4 21.0 31.6

77 16.5 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



#62

1,3,5-Trimethylbenzene

Concen: 2.117 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033788.D

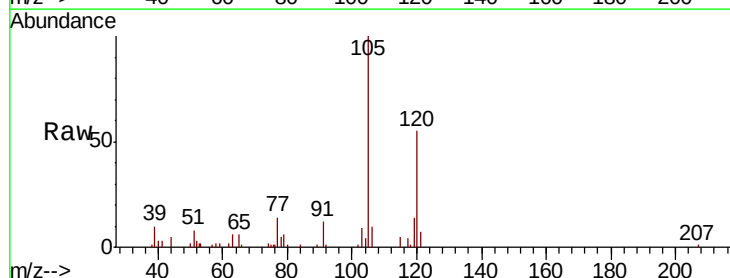
Acq: 13 Aug 2019 17:56

Tgt Ion:105 Resp: 20394

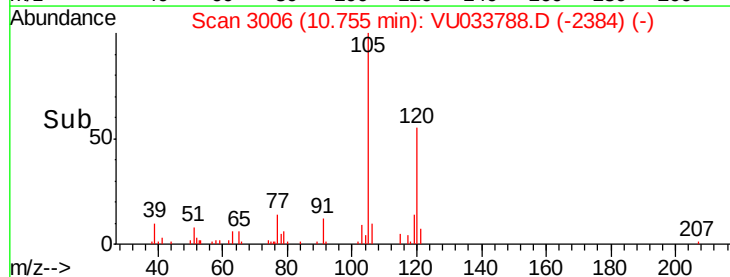
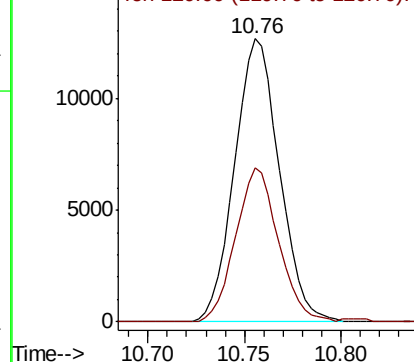
Ion Ratio Lower Upper

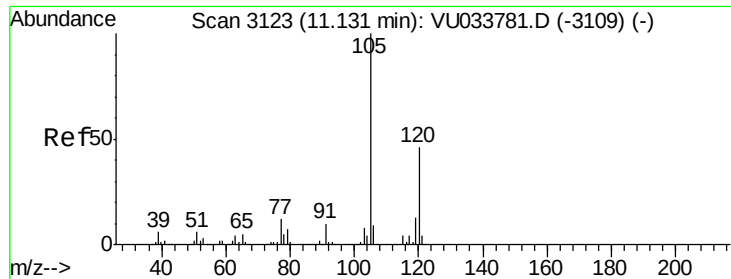
105 100

120 52.0 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

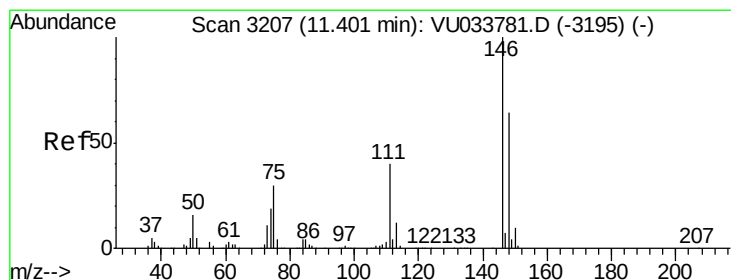
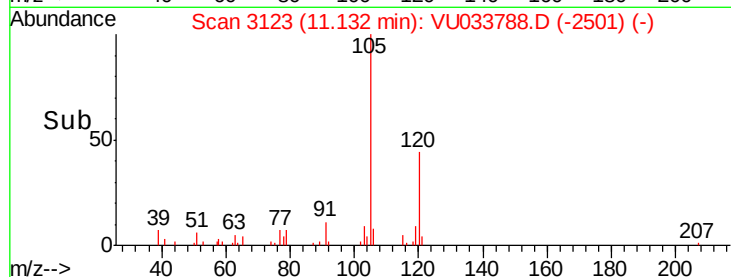
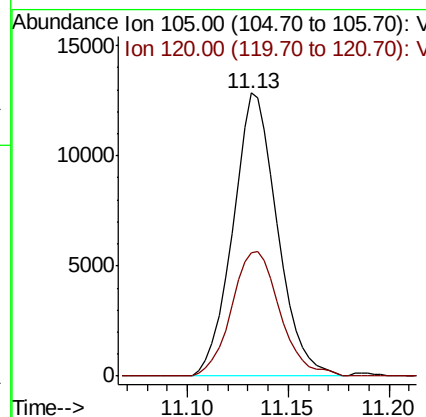
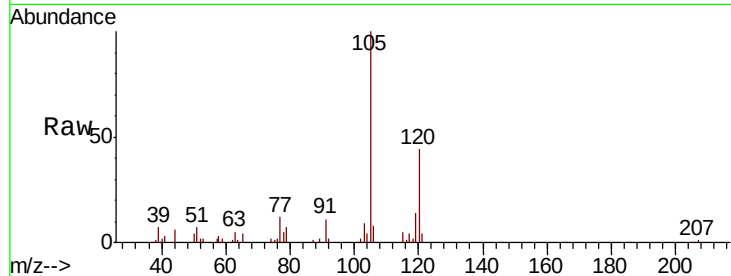




#63
 1,2,4-Trimethylbenzene
 Concen: 2.070 ug/L
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

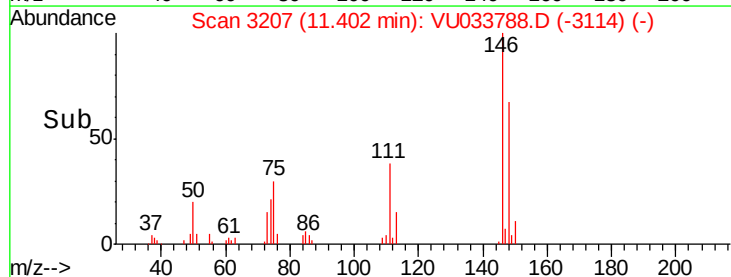
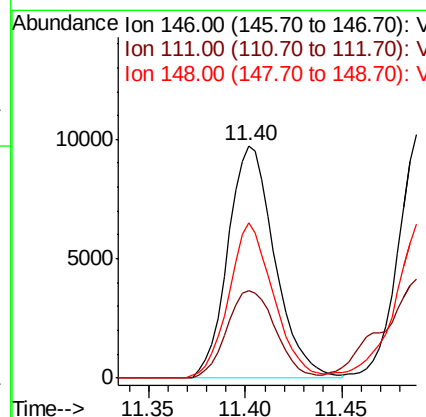
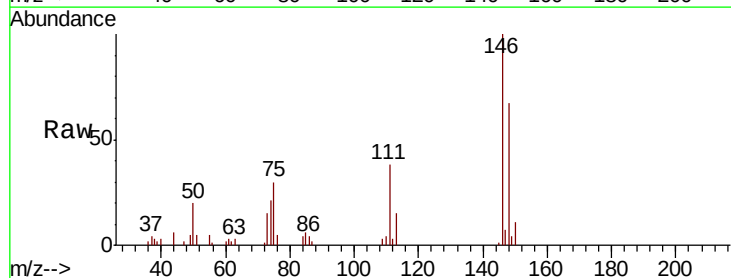
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL07

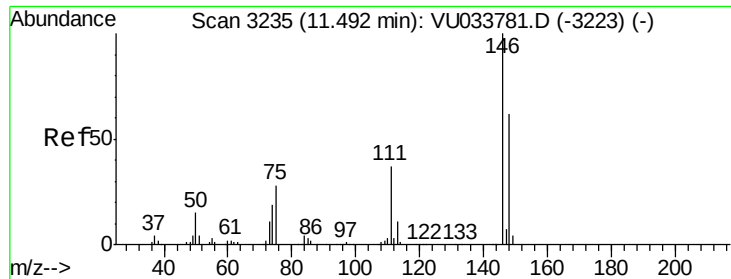
Tgt Ion:105 Resp: 19787
 Ion Ratio Lower Upper
 105 100
 120 47.9 36.6 55.0



#64
 1,3-Dichlorobenzene
 Concen: 2.731 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion:146 Resp: 16350
 Ion Ratio Lower Upper
 146 100
 111 37.9 27.1 50.3
 148 66.7 45.0 83.6





#65

1,4-Dichlorobenzene

Concen: 2.863 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

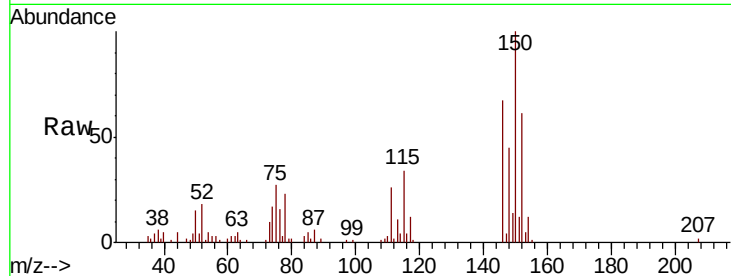
Tgt Ion:146 Resp: 17566

Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.3

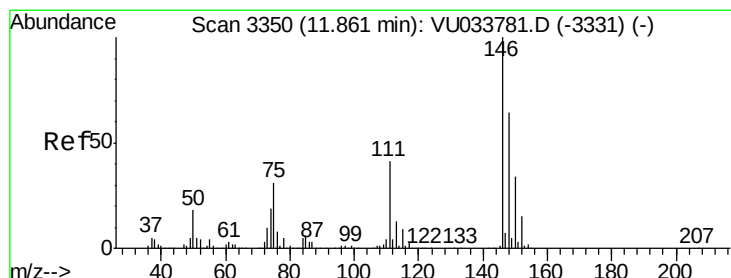
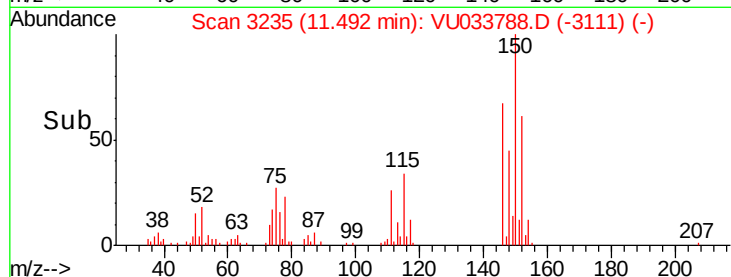
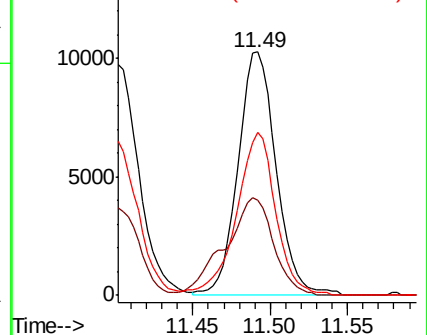
148 66.8 43.9 81.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 2.842 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

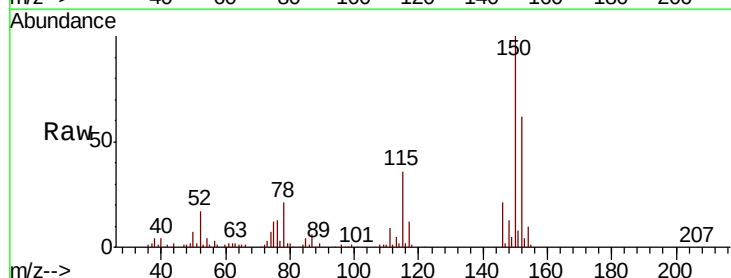
Tgt Ion:146 Resp: 17293

Ion Ratio Lower Upper

146 100

111 45.3 33.1 49.7

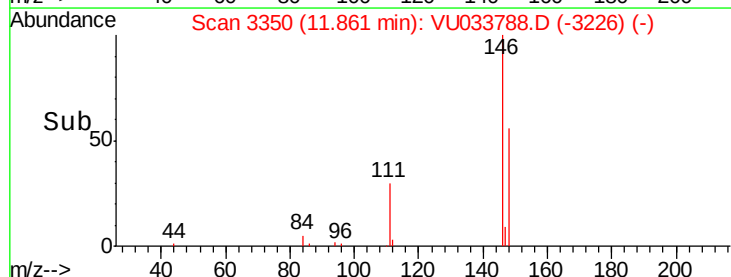
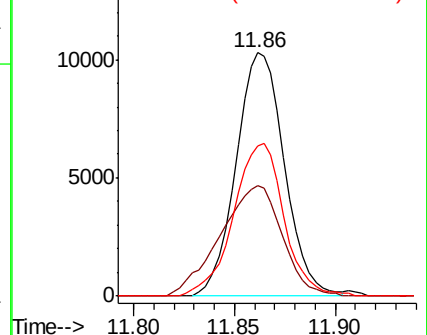
148 61.7 51.8 77.8

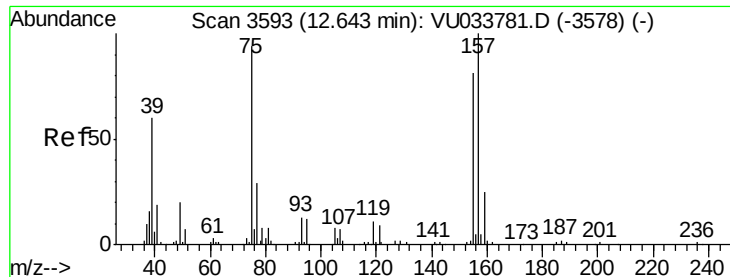


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 2.532 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

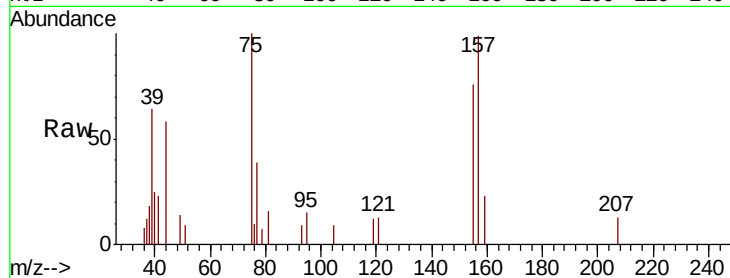
Tgt Ion: 75 Resp: 2739

Ion Ratio Lower Upper

75 100

155 76.2 65.9 98.9

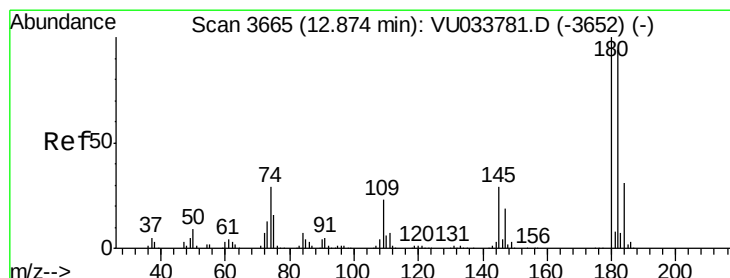
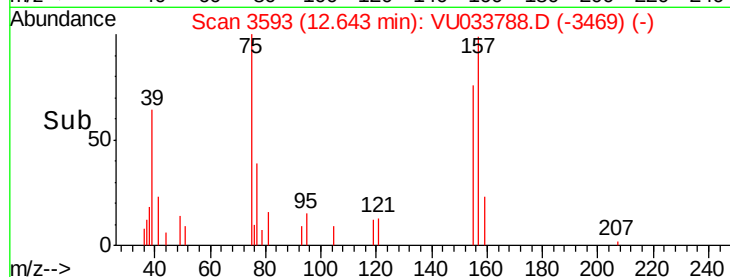
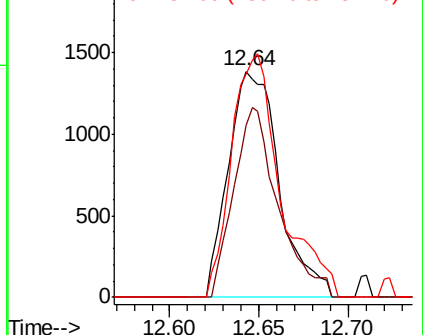
157 98.6 86.3 129.5



Abundance Ion 75.00 (74.70 to 75.70): VU033788.D (-3578) (-)

Ion 155.00 (154.70 to 155.70): VU033788.D (-3578) (-)

Ion 157.00 (156.70 to 157.70): VU033788.D (-3578) (-)



#69

1,3,5-Trichlorobenzene

Concen: 2.573 ug/L

RT: 12.88 min Scan# 3666

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion: 180 Resp: 11637

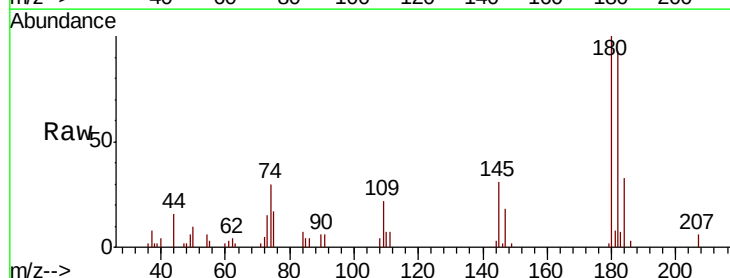
Ion Ratio Lower Upper

180 100

182 91.7 77.2 115.8

184 30.8 24.5 36.7

145 30.2 23.4 35.0

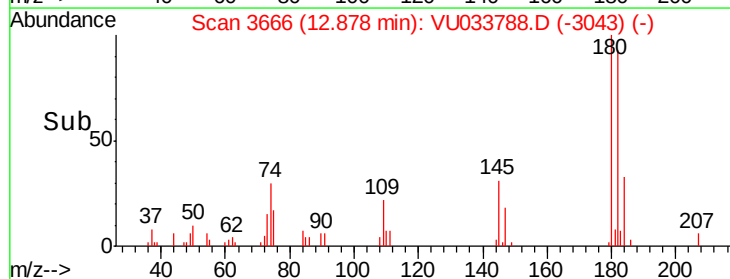
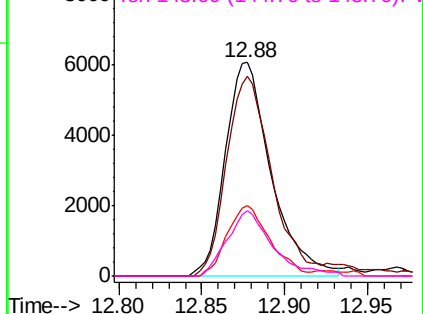


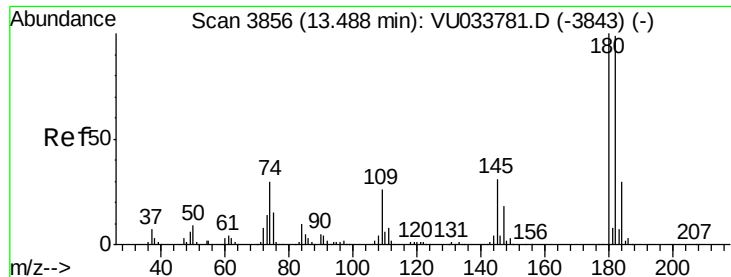
Abundance Ion 180.00 (179.70 to 180.70): VU033788.D (-3652) (-)

Ion 182.00 (181.70 to 182.70): VU033788.D (-3652) (-)

Ion 184.00 (183.70 to 184.70): VU033788.D (-3652) (-)

Ion 145.00 (144.70 to 145.70): VU033788.D (-3652) (-)





#70

1,2,4-trichlorobenzene

Concen: 2.126 ug/L

RT: 13.49 min Scan# 3858

Delta R.T. 0.01 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

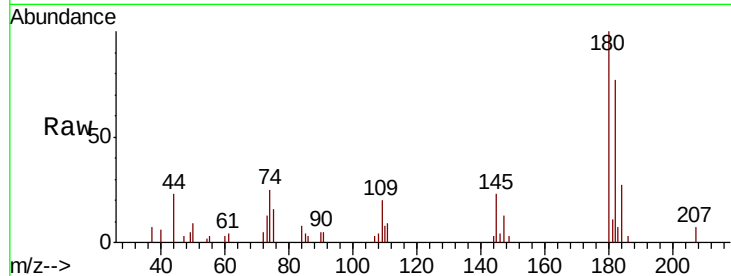
Tgt Ion:180 Resp: 7975

Ion Ratio Lower Upper

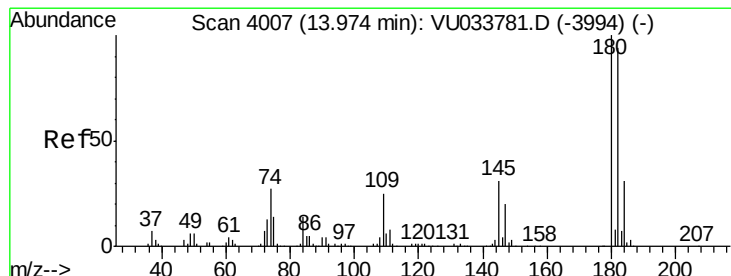
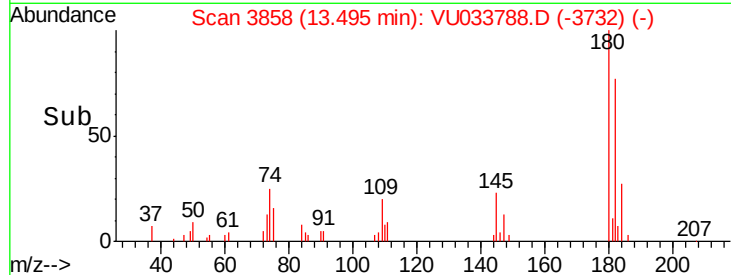
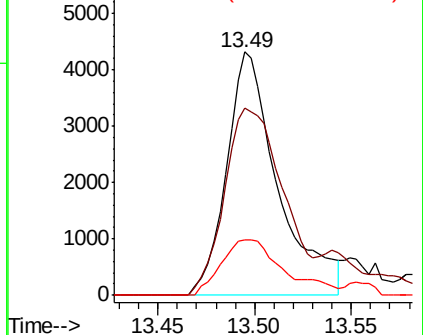
180 100

182 87.2 75.3 112.9

145 24.6 23.3 34.9



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



#72

1,2,3-Trichlorobenzene

Concen: 2.261 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.01 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

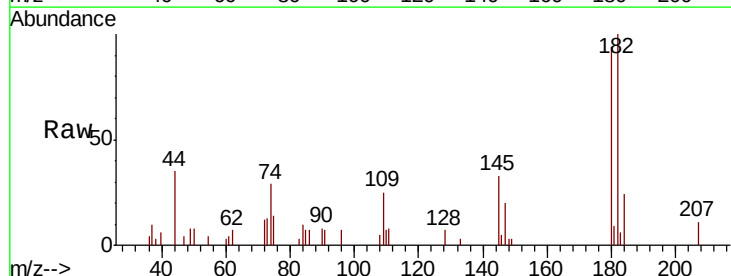
Tgt Ion:180 Resp: 8890

Ion Ratio Lower Upper

180 100

182 93.4 77.1 115.7

145 32.0 24.6 36.8



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

