

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081319\
 Data File : VU033787.D
 Acq On : 13 Aug 2019 17:32
 Operator : JC/SP
 Sample : MDL06
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Quant Time: Aug 14 04:28:00 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	408802	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405780	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	188375	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	175859	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.67	69	149952	41.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.94%
11) 1,1-Dichloroethene-d2	2.26	63	231001	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.86%
21) 2-Butanone-d5	4.15	46	211766	98.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	4.62	84	276054	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
26) 1,2-Dichloroethane-d4	5.29	65	182978	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
32) Benzene-d6	5.32	84	563581	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
36) 1,2-Dichloropropane-d6	6.31	67	183401	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	7.55	98	507761	46.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.68%
43) trans-1,3-Dichloropropene-	7.83	79	82940	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
47) 2-Hexanone-d5	8.30	63	149327	99.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.34%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	249149	46.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.94%
66) 1,2-Dichlorobenzene-d4	11.84	152	197434	51.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	9420	2.312 ug/L	95
3) Chloromethane	1.32	50	10036	2.372 ug/L	97
5) Vinyl chloride	1.39	62	11121	2.427 ug/L #	65
6) Bromomethane	1.62	94	6939	2.063 ug/L	96
8) Chloroethane	1.69	64	6762	2.065 ug/L	99
9) Trichlorofluoromethane	1.87	101	13193	2.241 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	8828	3.064 ug/L	85
12) 1,1-Dichloroethene	2.27	96	8635	3.046 ug/L #	1
13) Acetone	2.31	43	8697	4.421 ug/L	100
14) Carbon disulfide	2.46	76	21088	2.350 ug/L	95
15) Methyl Acetate	2.60	43	7668	2.332 ug/L	91
16) Methylene chloride	2.68	84	8813	2.723 ug/L	86
17) trans-1,2-Dichloroethene	2.97	96	6869	2.328 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	19534	2.227 ug/L	98
19) 1,1-Dichloroethane	3.42	63	13166	2.323 ug/L	95
20) cis-1,2-Dichloroethene	4.20	96	3981	1.229 ug/L	95
22) 2-Butanone	4.26	43	9396	3.931 ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

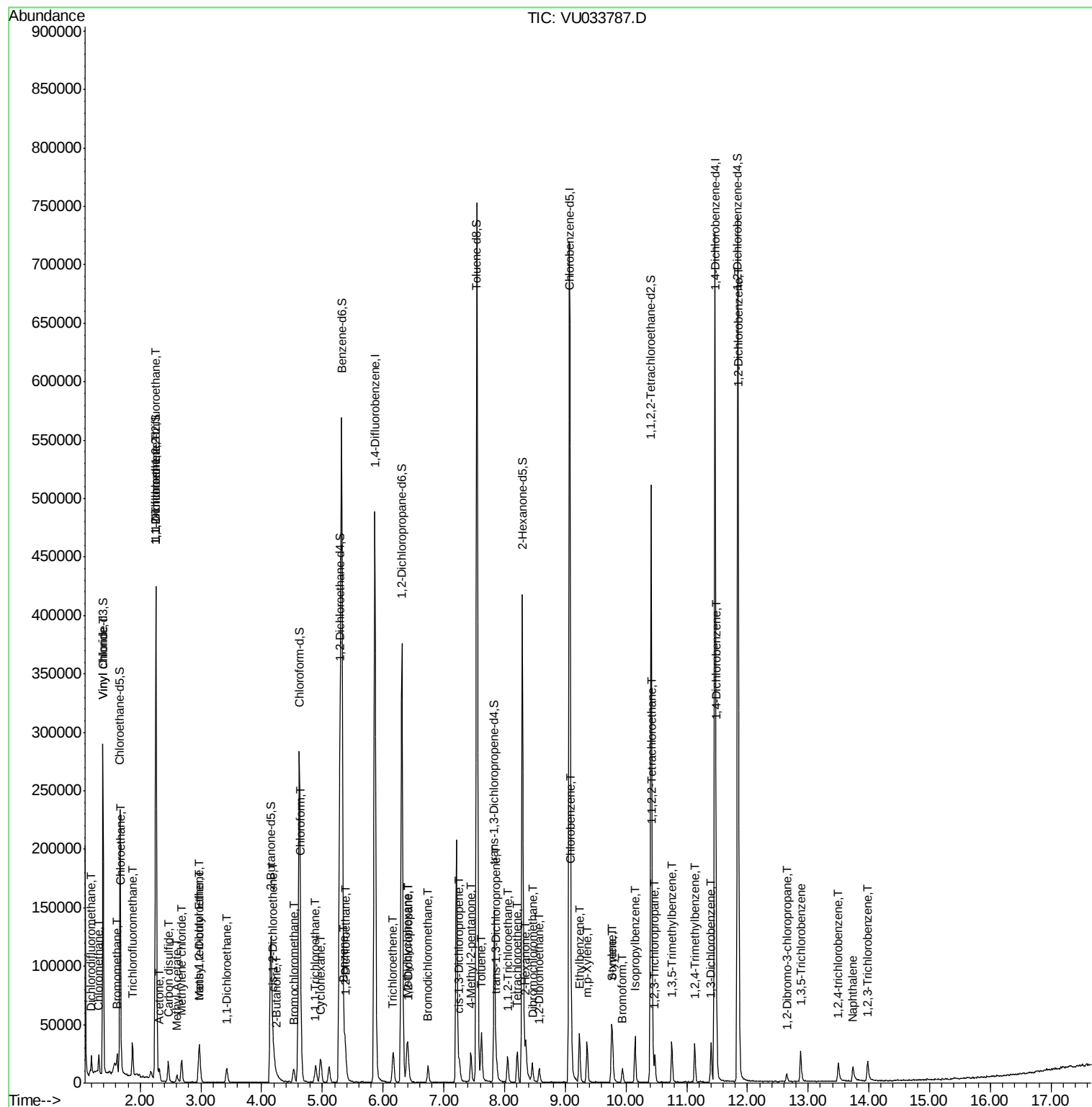
23) Bromochloromethane	4.52	128	3827	2.280	ug/L	95
25) Chloroform	4.65	83	16236	2.756	ug/L	96
27) 1,2-Dichloroethane	5.39	62	10035	2.193	ug/L #	95
29) Cyclohexane	4.97	56	10200	2.287	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	11183	2.247	ug/L	98
33) Benzene	5.37	78	28983	2.335	ug/L	100
34) Trichloroethene	6.17	95	7334	2.230	ug/L	95
35) Methylcyclohexane	6.39	83	10357	2.161	ug/L	98
37) 1,2-Dichloropropane	6.42	63	8164	2.413	ug/L #	93
38) Bromodichloromethane	6.74	83	9717	2.226	ug/L	92
39) cis-1,3-Dichloropropene	7.25	75	11293	2.262	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	17379	4.129	ug/L	97
42) Toluene	7.62	91	29977	2.286	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	10352	2.276	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	6694	2.097	ug/L	97
46) Tetrachloroethene	8.21	164	5786	2.243	ug/L	88
48) 2-Hexanone	8.35	43	18224	5.657	ug/L	95
49) Dibromochloromethane	8.46	129	7797	2.188	ug/L	93
50) 1,2-Dibromoethane	8.57	107	7804	2.330	ug/L	98
51) Chlorobenzene	9.10	112	19794	2.320	ug/L	95
52) Ethylbenzene	9.23	91	28835	2.090	ug/L	97
53) m,p-Xylene	9.36	106	10484	2.033	ug/L	99
54) o-xylene	9.76	106	9561	1.884	ug/L	99
55) Styrene	9.78	104	16102	1.869	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.44	83	12977	2.430	ug/L #	97
59) Bromoform	9.94	173	5826	2.421	ug/L #	96
60) 1,2,3-Trichloropropane	10.48	75	9307	2.455	ug/L	97
61) Isopropylbenzene	10.15	105	23882	2.048	ug/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	18799	1.997	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	18652	1.997	ug/L	97
64) 1,3-Dichlorobenzene	11.40	146	14089	2.408	ug/L	96
65) 1,4-Dichlorobenzene	11.49	146	15172	2.530	ug/L	92
67) 1,2-Dichlorobenzene	11.86	146	15349	2.582	ug/L #	91
68) 1,2-Dibromo-3-chloropropan	12.65	75	2392	2.263	ug/L	88
69) 1,3,5-Trichlorobenzene	12.88	180	10338	2.339	ug/L	92
70) 1,2,4-trichlorobenzene	13.50	180	5987	1.633	ug/L	91
71) Naphthalene	13.74	128	15120	1.386	ug/L	95
72) 1,2,3-Trichlorobenzene	13.98	180	7724	2.010	ug/L #	91

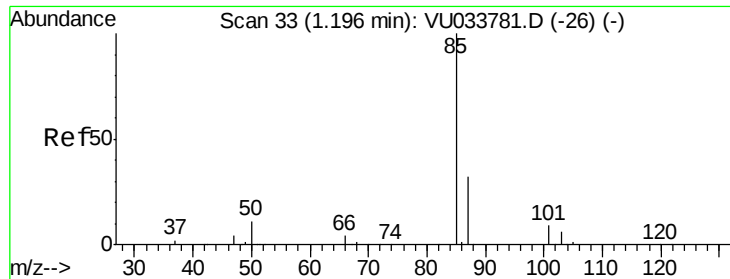
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.312 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

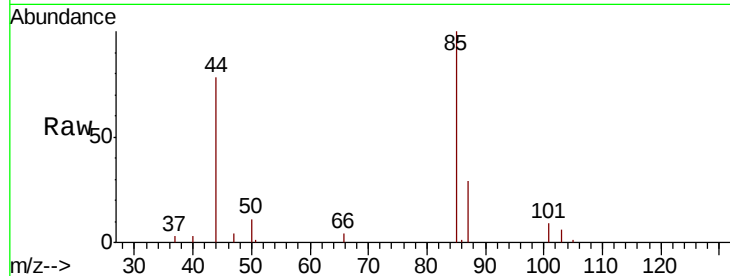
MDL06

Tgt Ion: 85 Resp: 9420

Ion Ratio Lower Upper

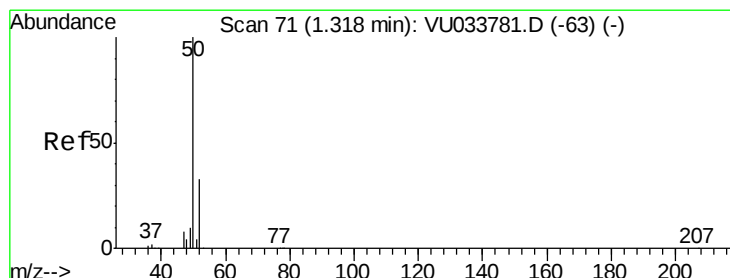
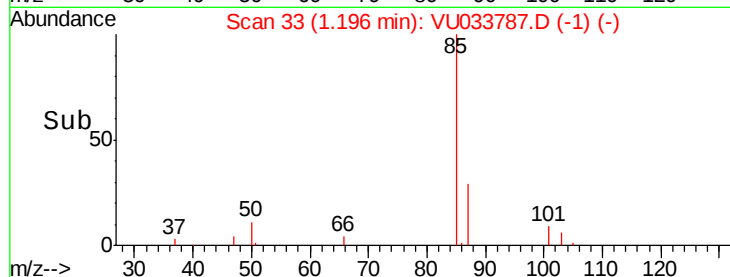
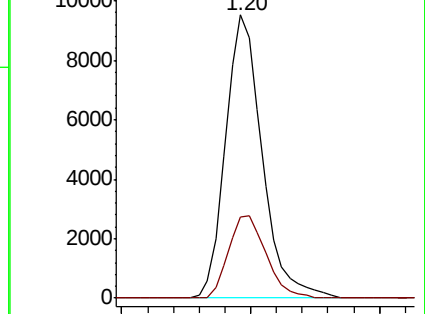
85 100

87 30.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU033787.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033787.D (-26) (-)



#3

Chloromethane

Concen: 2.372 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033787.D

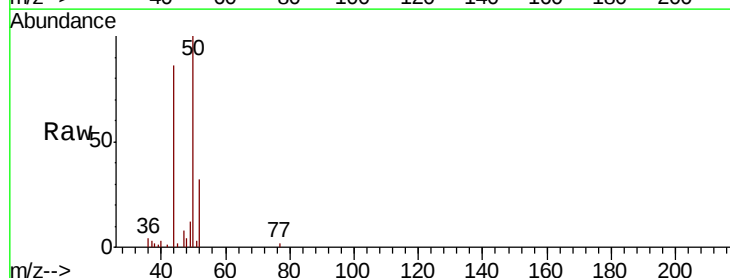
Acq: 13 Aug 2019 17:32

Tgt Ion: 50 Resp: 10036

Ion Ratio Lower Upper

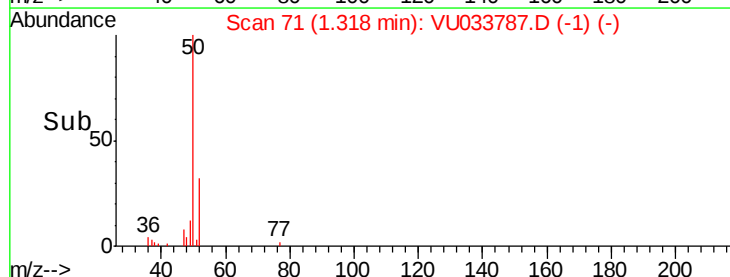
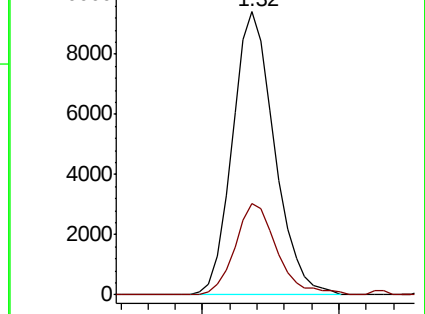
50 100

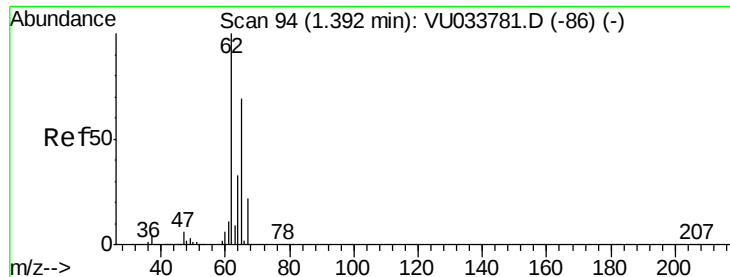
52 32.2 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU033787.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033787.D (-63) (-)





#5

Vinyl chloride

Concen: 2.427 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

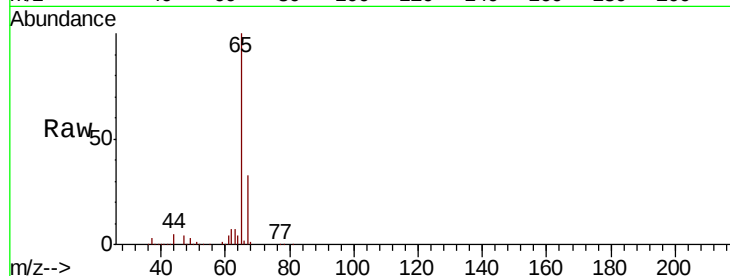
MDL06

Tgt Ion: 62 Resp: 11121

Ion Ratio Lower Upper

62 100

64 51.4 22.3 41.5#



Abundance Ion 62.00 (61.70 to 62.70): VU033787.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033787.D (-86) (-)

12000

10000

8000

6000

4000

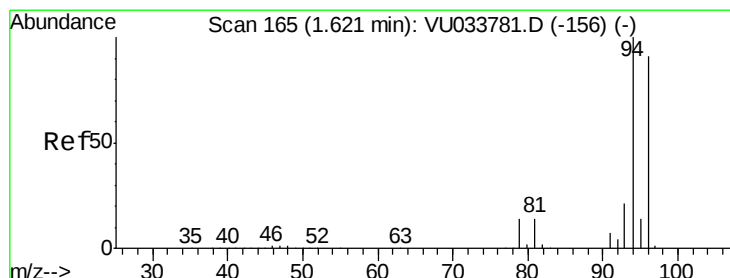
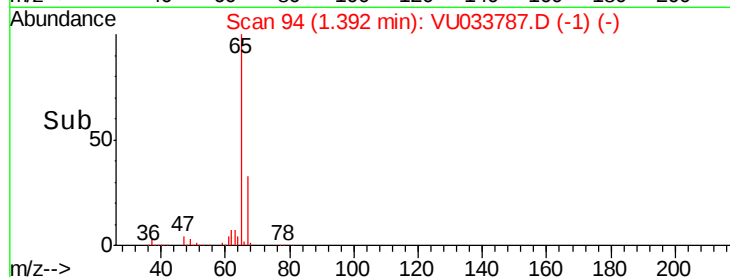
2000

0

1.35

1.40

Time-->



#6

Bromomethane

Concen: 2.063 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033787.D

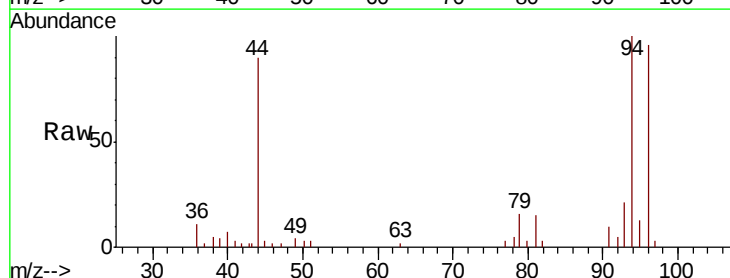
Acq: 13 Aug 2019 17:32

Tgt Ion: 94 Resp: 6939

Ion Ratio Lower Upper

94 100

96 96.1 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU033787.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033787.D (-156) (-)

6000

4000

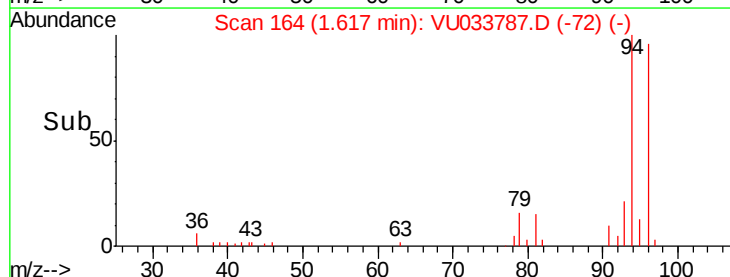
2000

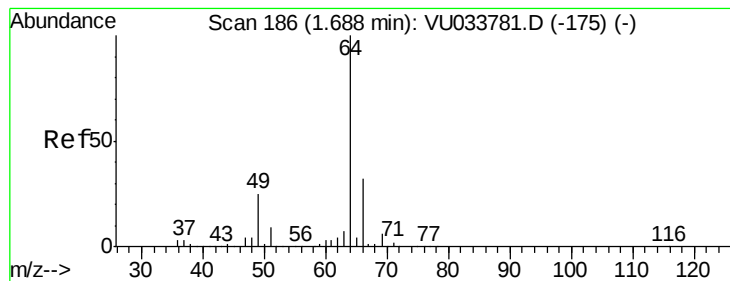
0

1.60

1.65

Time-->





#8

Chloroethane

Concen: 2.065 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

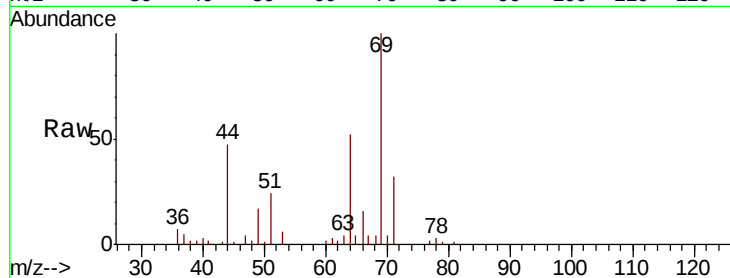
MDL06

Tgt Ion: 64 Resp: 6762

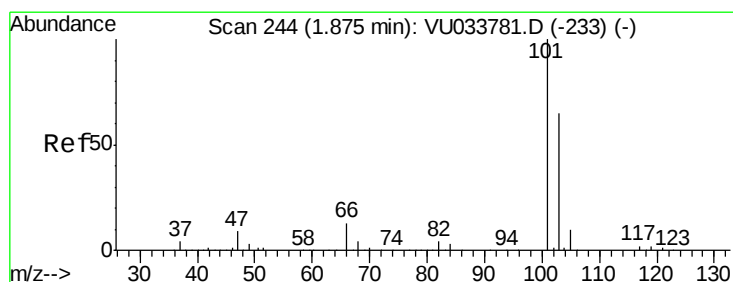
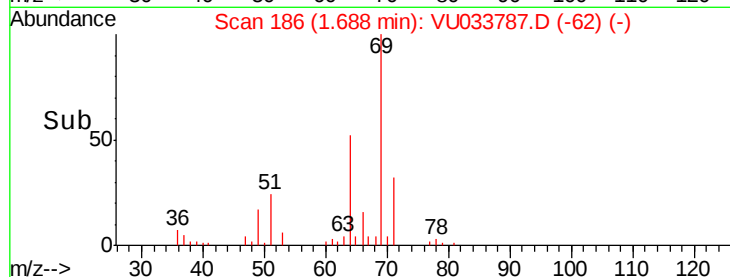
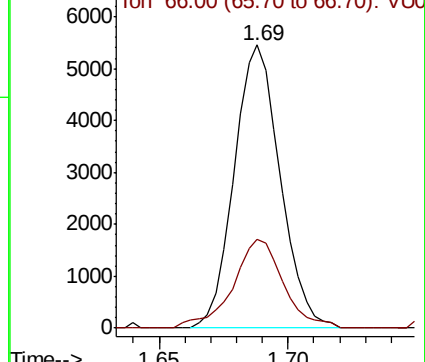
Ion Ratio Lower Upper

64 100

66 31.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033787.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 2.241 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033787.D

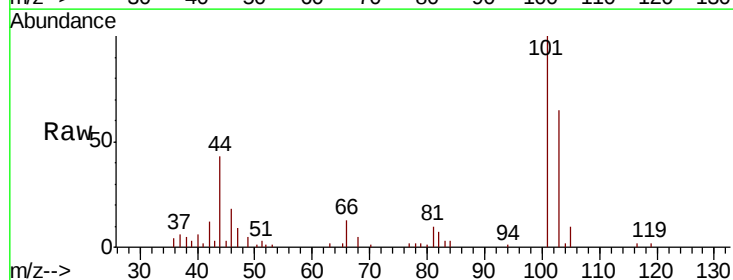
Acq: 13 Aug 2019 17:32

Tgt Ion: 101 Resp: 13193

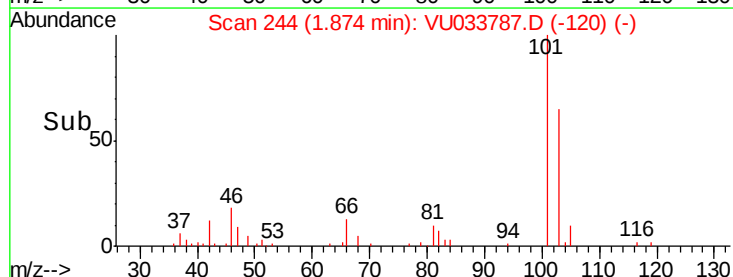
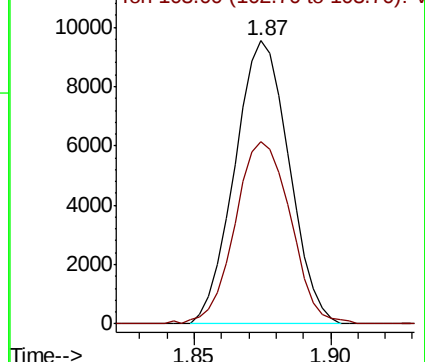
Ion Ratio Lower Upper

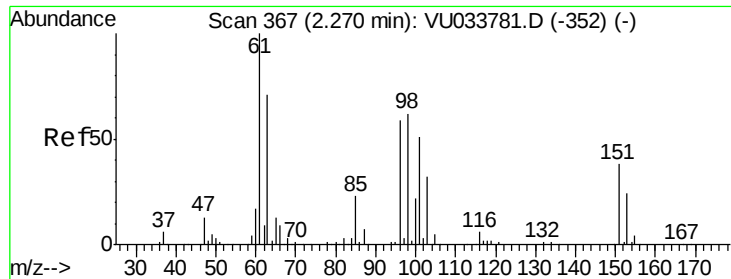
101 100

103 65.6 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033787.D (-233) (-)





#10

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

Concen: 3.064 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

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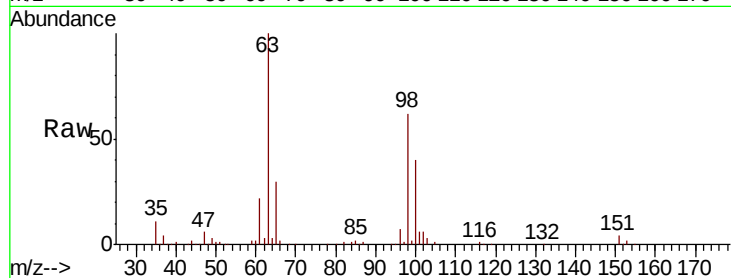
Tgt Ion:101 Resp: 8828

Ion Ratio Lower Upper

101 100

85 35.8 35.2 52.8

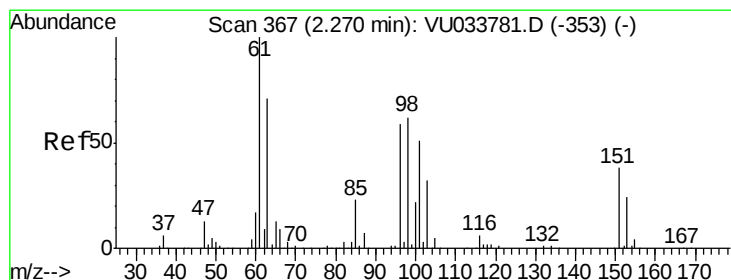
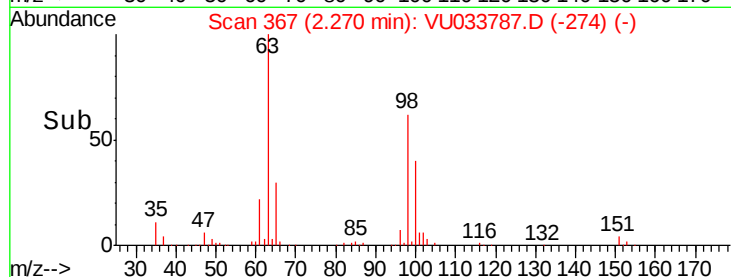
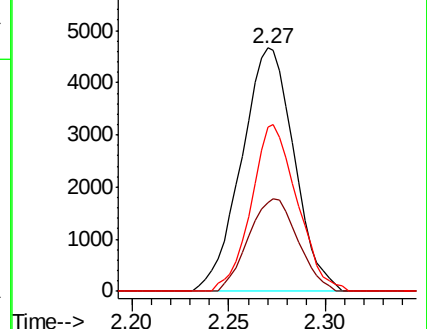
151 60.0 58.5 87.7



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: 3.046 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

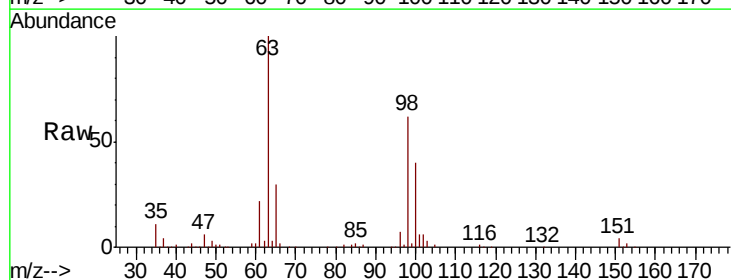
Tgt Ion: 96 Resp: 8635

Ion Ratio Lower Upper

96 100

61 309.7 121.5 225.7#

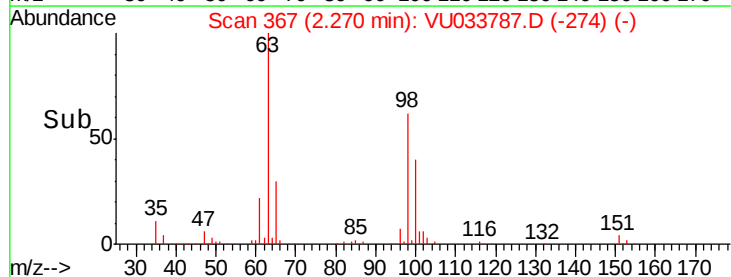
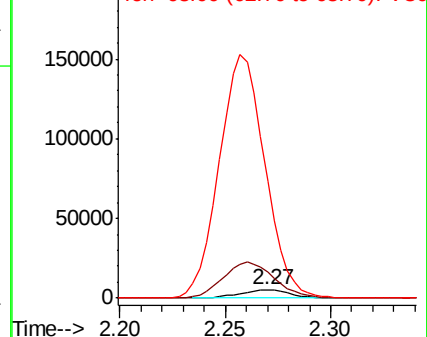
63 1411.8 92.9 172.5#

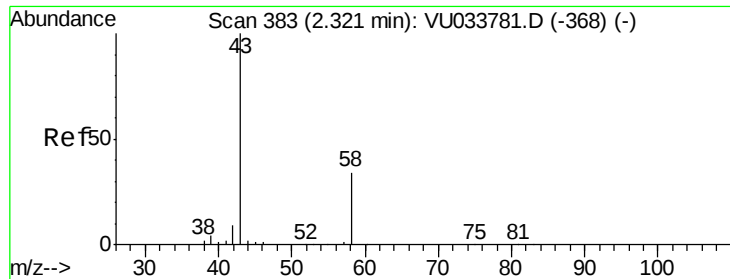


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.421 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampled :

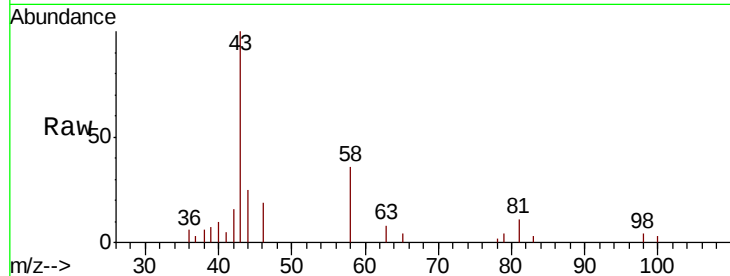
MDL06

Tgt Ion: 43 Resp: 8697

Ion Ratio Lower Upper

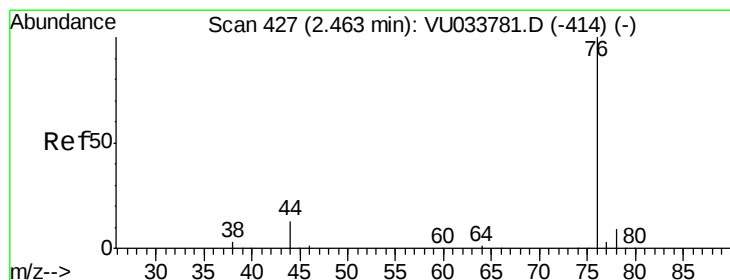
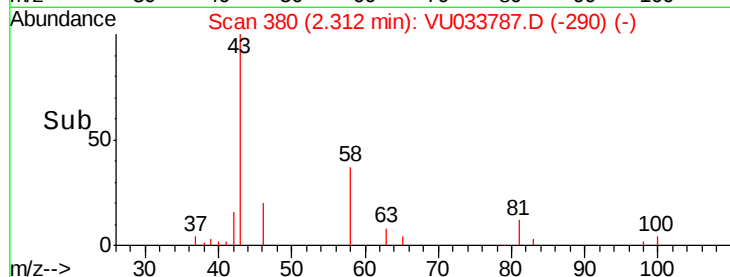
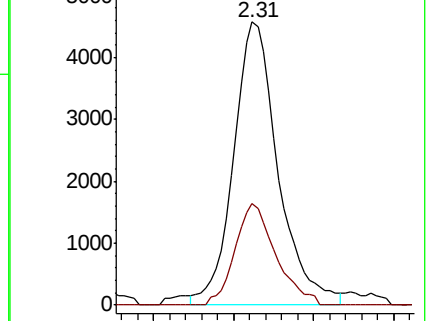
43 100

58 32.6 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VU033787.D (-290) (-)

Ion 58.00 (57.70 to 58.70): VU033787.D (-290) (-)



#14

Carbon disulfide

Concen: 2.350 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033787.D

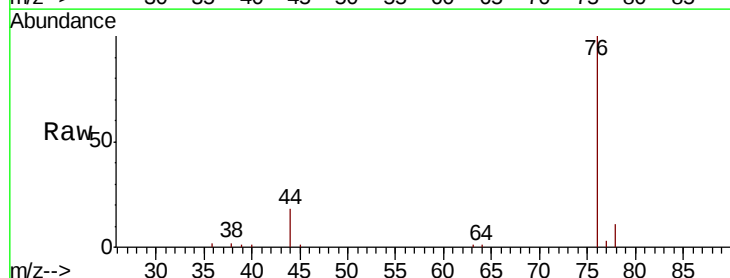
Acq: 13 Aug 2019 17:32

Tgt Ion: 76 Resp: 21088

Ion Ratio Lower Upper

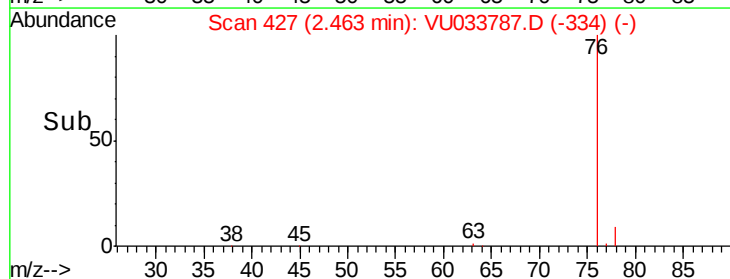
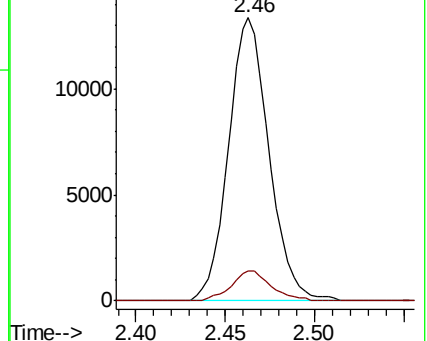
76 100

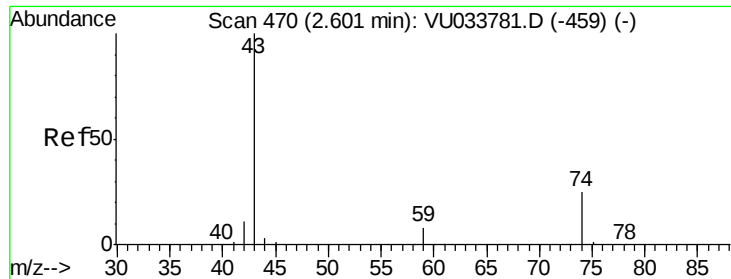
78 10.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU033787.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU033787.D (-334) (-)





#15

Methyl Acetate

Concen: 2.332 ug/L

RT: 2.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

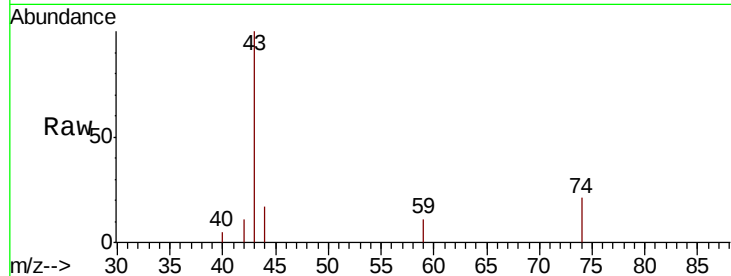
MDL06

Tgt Ion: 43 Resp: 7668

Ion Ratio Lower Upper

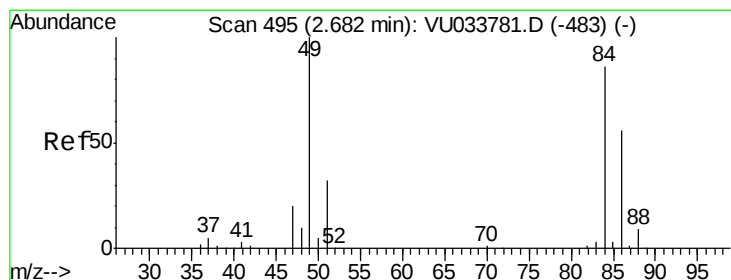
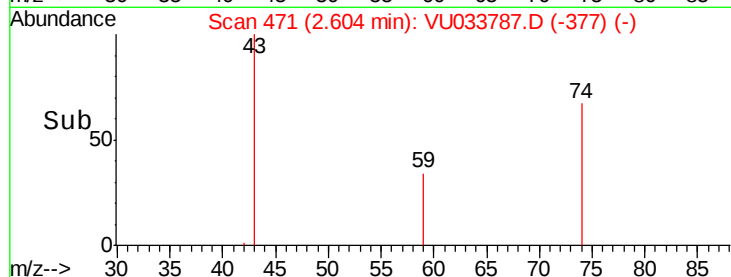
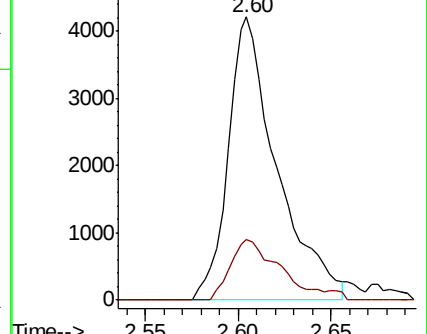
43 100

74 20.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU033787.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU033787.D (-459) (-)



#16

Methylene chloride

Concen: 2.723 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

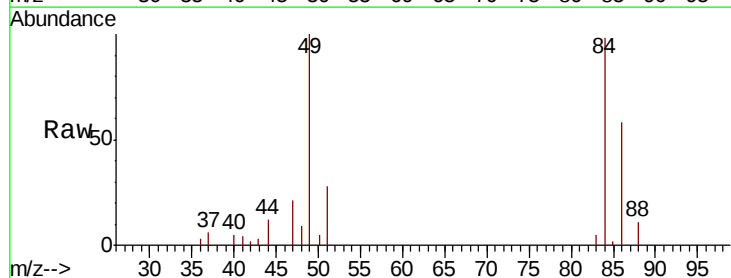
Tgt Ion: 84 Resp: 8813

Ion Ratio Lower Upper

84 100

86 59.6 45.4 84.4

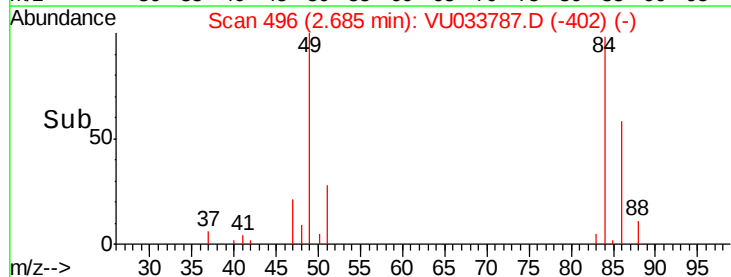
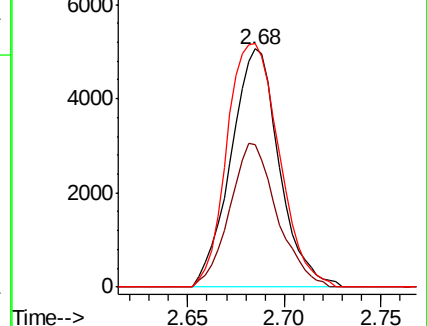
49 102.2 84.9 157.7

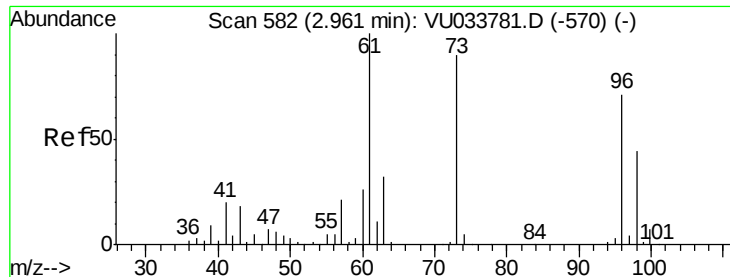


Abundance Ion 84.00 (83.70 to 84.70): VU033787.D (-402) (-)

Ion 86.00 (85.70 to 86.70): VU033787.D (-402) (-)

Ion 49.00 (48.70 to 49.70): VU033787.D (-402) (-)





#17

trans-1,2-Dichloroethene

Concen: 2.328 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL06

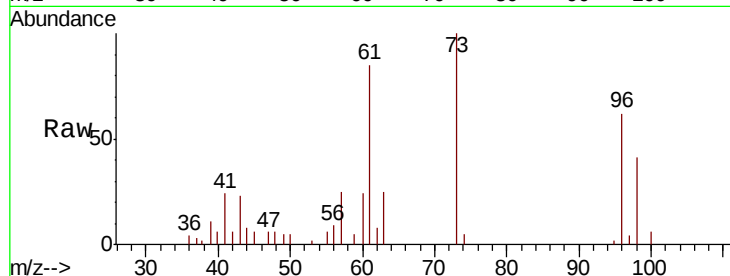
Tgt Ion: 96 Resp: 6869

Ion Ratio Lower Upper

96 100

61 136.8 98.8 183.6

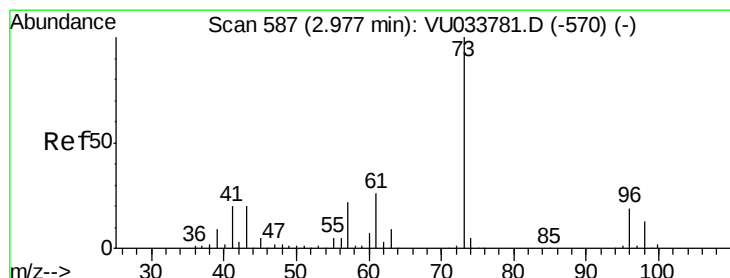
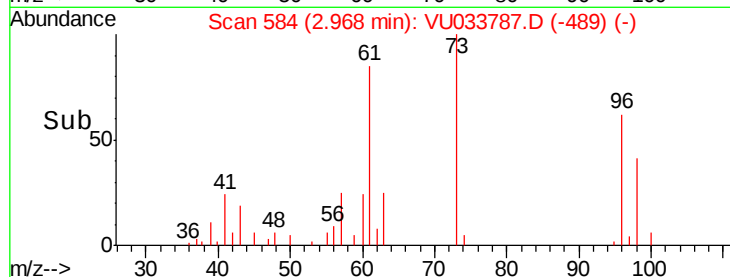
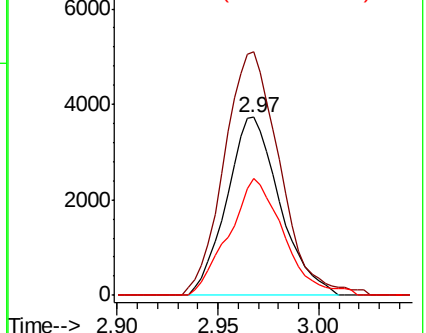
98 65.9 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033787.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033787.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033787.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 2.227 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

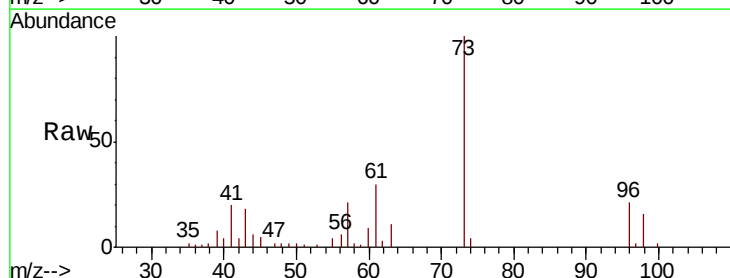
Tgt Ion: 73 Resp: 19534

Ion Ratio Lower Upper

73 100

43 21.2 15.4 23.2

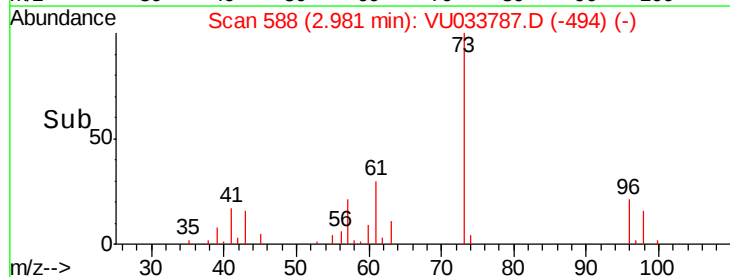
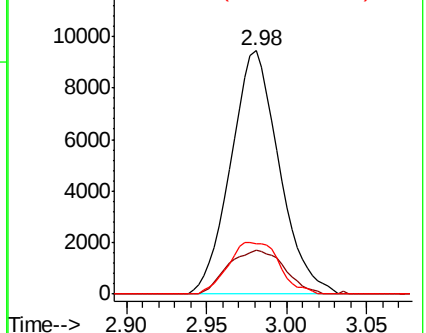
57 22.4 17.9 26.9

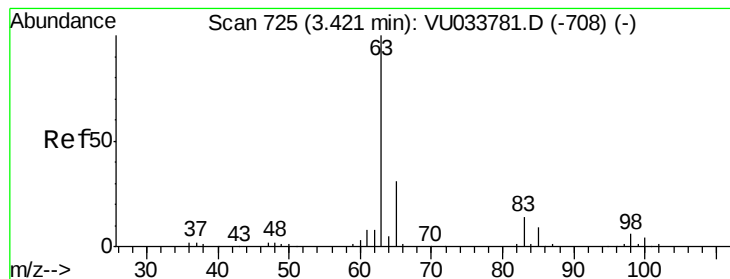


Abundance Ion 73.00 (72.70 to 73.70): VU033787.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU033787.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU033787.D (-570) (-)





#19

1,1-Dichloroethane

Concen: 2.323 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL06

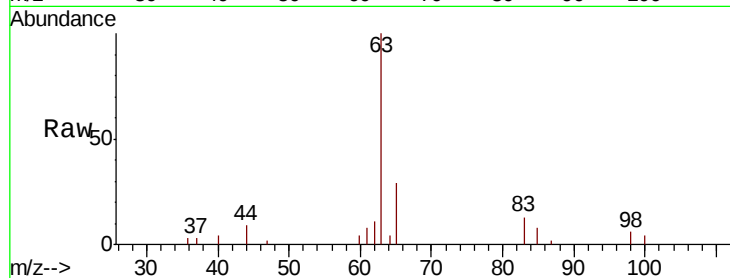
Tgt Ion: 63 Resp: 13166

Ion Ratio Lower Upper

63 100

65 29.0 22.8 42.4

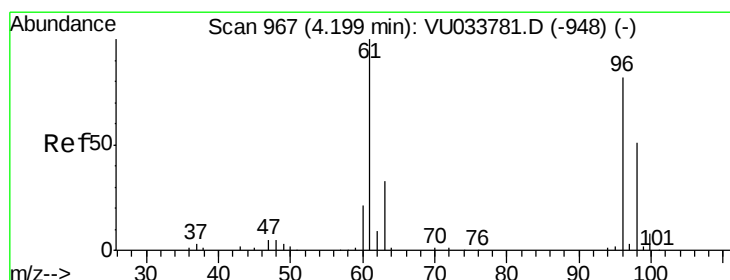
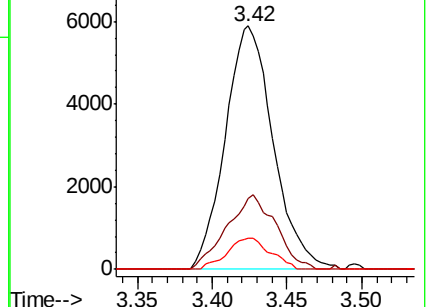
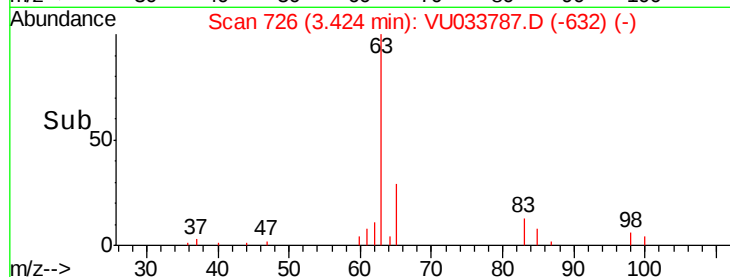
83 12.8 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU033787.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033787.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033787.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 1.229 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

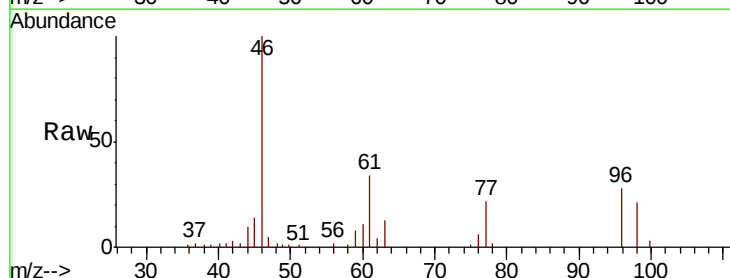
Tgt Ion: 96 Resp: 3981

Ion Ratio Lower Upper

96 100

61 120.5 88.3 163.9

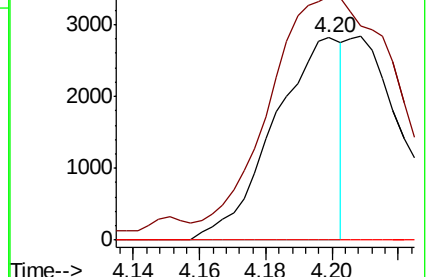
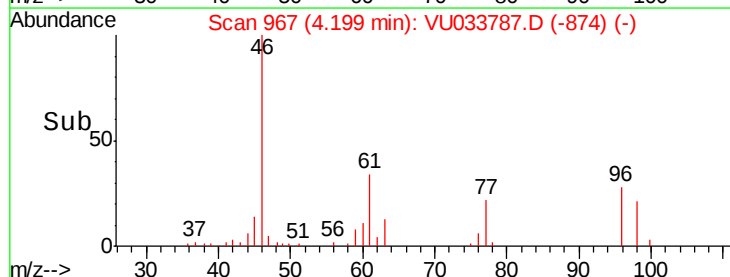
68 0.0 0.0 0.0

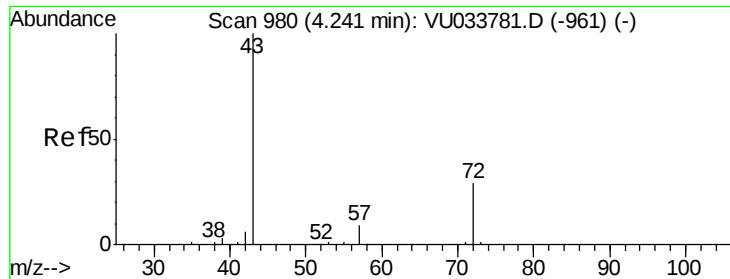


Abundance Ion 96.00 (95.70 to 96.70): VU033787.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033787.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033787.D (-874) (-)





#22

2-Butanone

Concen: 3.931 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.02 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

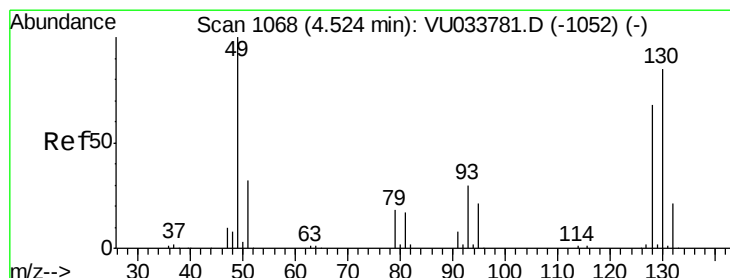
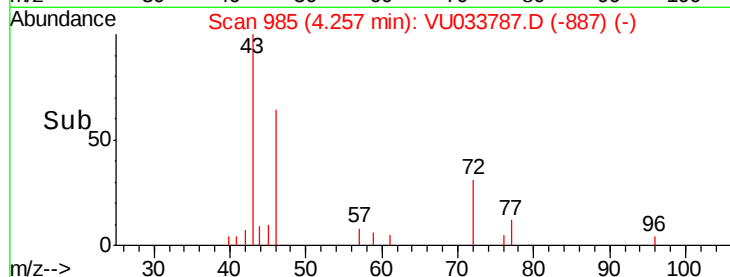
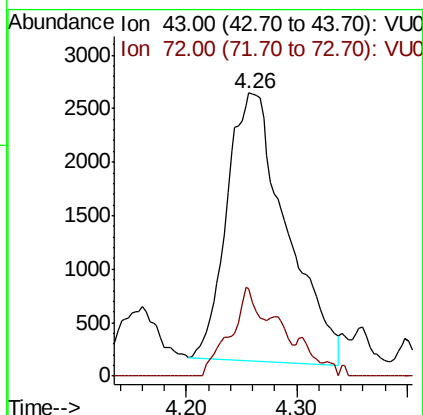
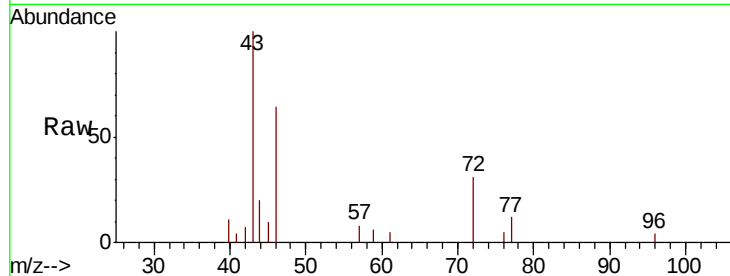
Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 43 Resp: 9396

Ion Ratio Lower Upper

43 100

72 17.0 14.5 43.5



#23

Bromochloromethane

Concen: 2.280 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Tgt Ion: 128 Resp: 3827

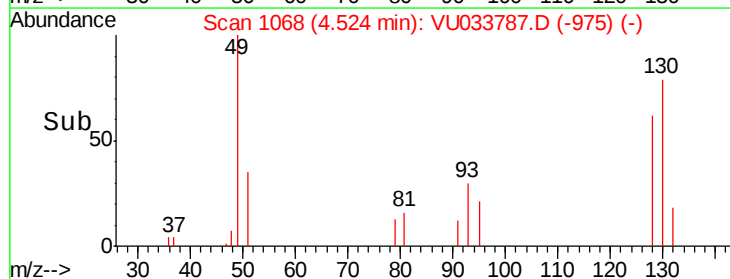
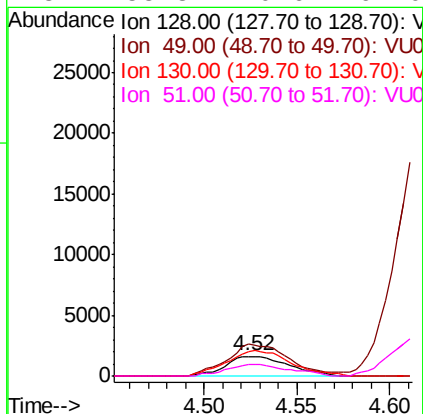
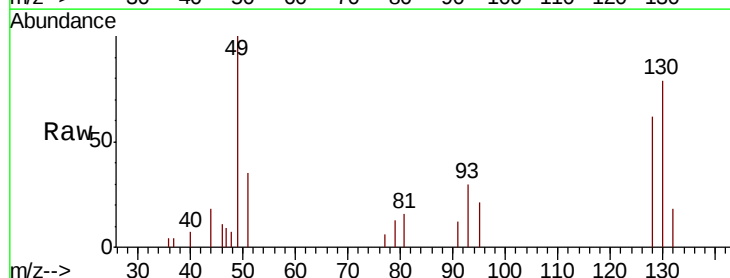
Ion Ratio Lower Upper

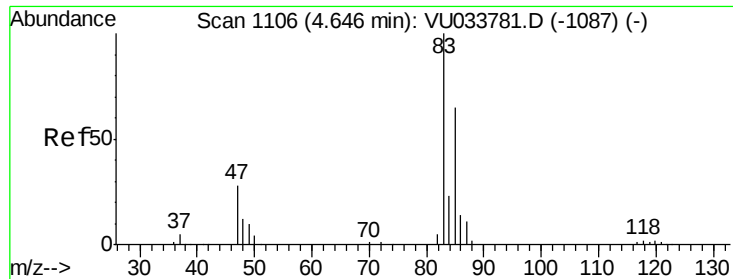
128 100

49 160.5 108.1 200.7

130 127.0 91.8 170.6

51 55.8 40.6 61.0

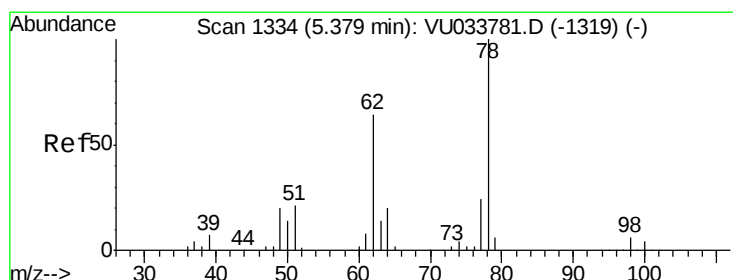
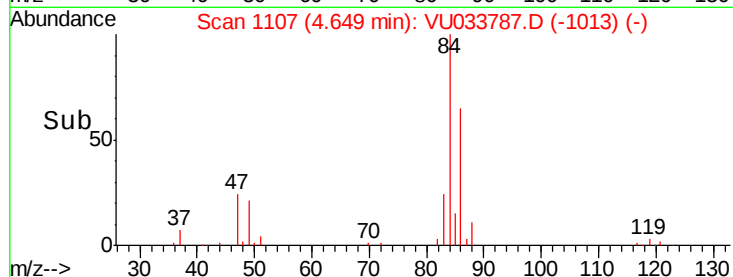
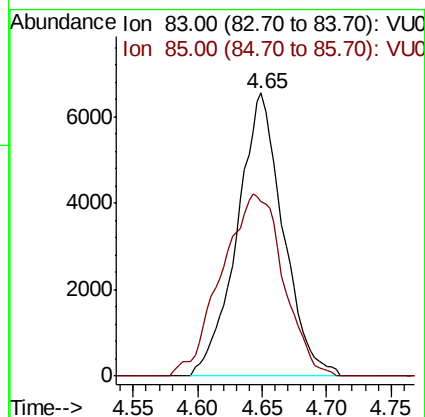
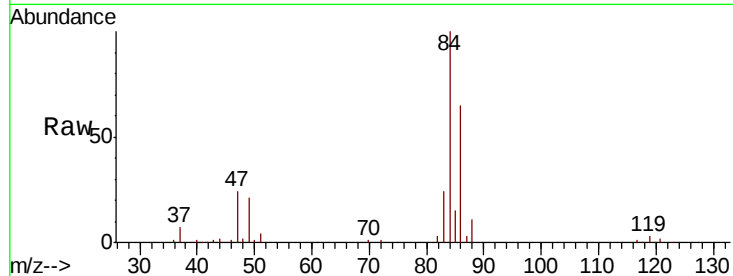




#25
Chloroform
Concen: 2.756 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033787.D
Acq: 13 Aug 2019 17:32

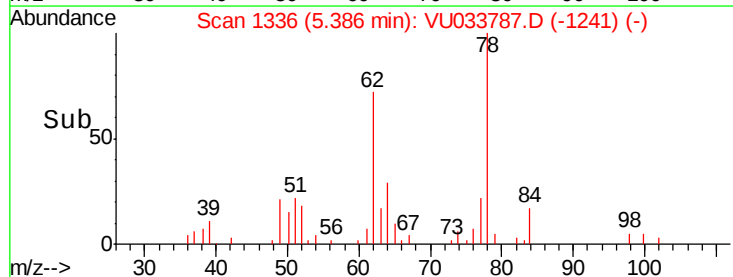
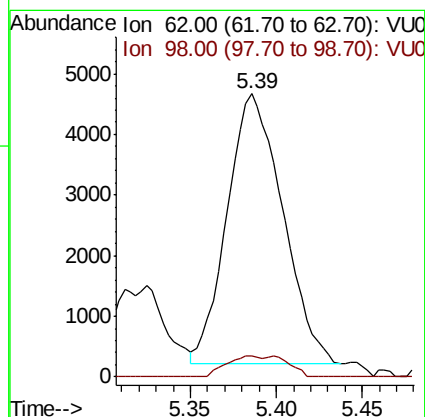
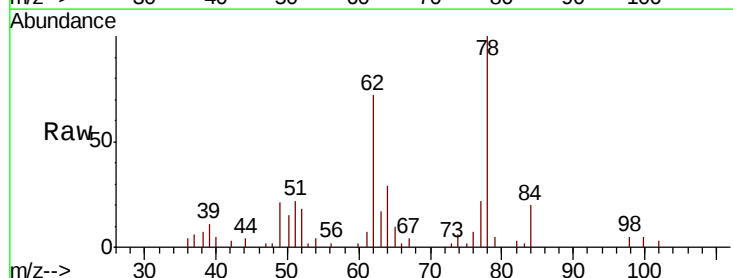
Instrument :
MSVOA_U
ClientSampleId :
MDL06

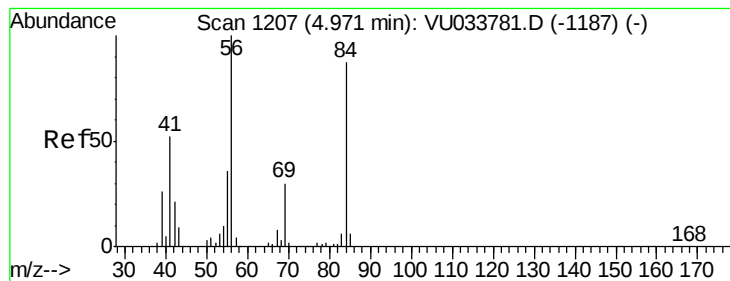
Tgt Ion: 83 Resp: 16236
Ion Ratio Lower Upper
83 100
85 61.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 2.193 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033787.D
Acq: 13 Aug 2019 17:32

Tgt Ion: 62 Resp: 10035
Ion Ratio Lower Upper
62 100
98 7.3 7.4 11.0#





#29

Cyclohexane

Concen: 2.287 ug/L

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL06

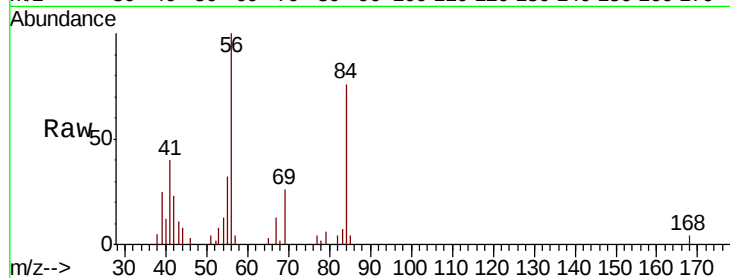
Tgt Ion: 56 Resp: 10200

Ion Ratio Lower Upper

56 100

69 29.5 25.0 37.4

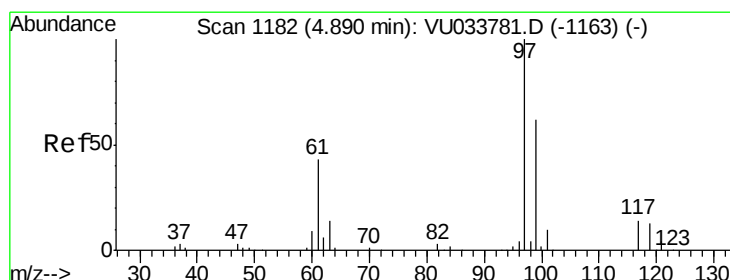
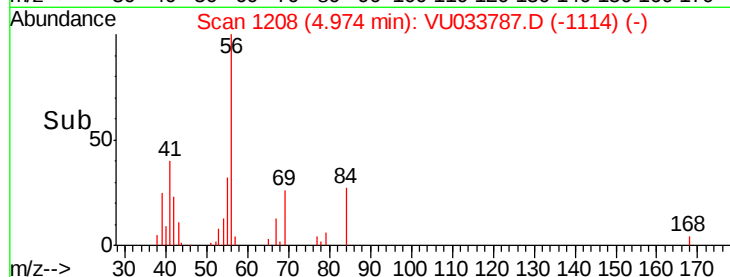
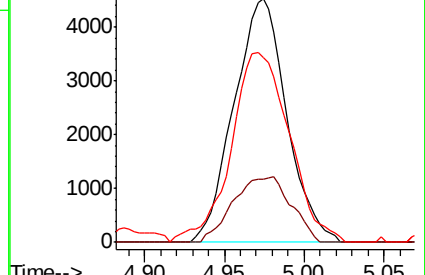
84 86.4 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VU033787.D (-1187) (-)

Ion 69.00 (68.70 to 69.70): VU033787.D (-1187) (-)

Ion 84.00 (83.70 to 84.70): VU033787.D (-1187) (-)



#30

1,1,1-Trichloroethane

Concen: 2.247 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

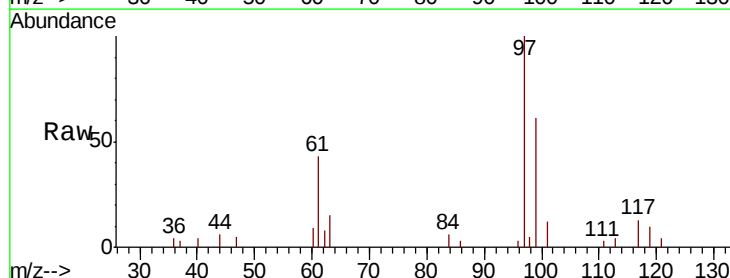
Tgt Ion: 97 Resp: 11183

Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

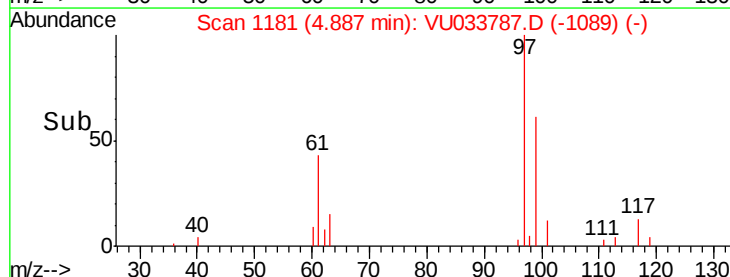
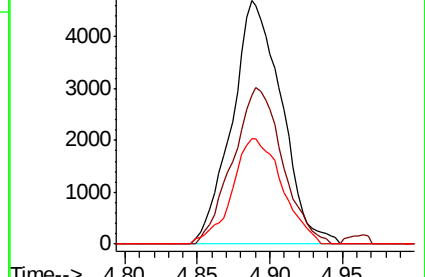
61 43.5 36.6 54.8

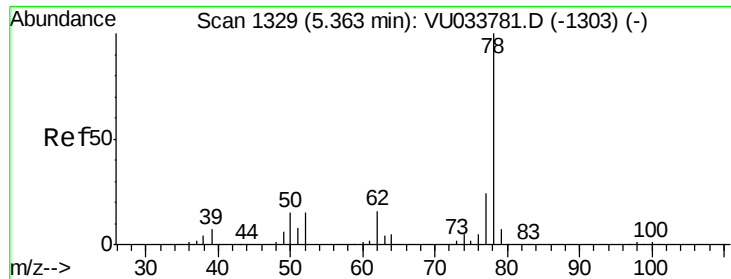


Abundance Ion 97.00 (96.70 to 97.70): VU033787.D (-1187) (-)

Ion 99.00 (98.70 to 99.70): VU033787.D (-1187) (-)

Ion 61.05 (60.75 to 61.75): VU033787.D (-1187) (-)





#33

Benzene

Concen: 2.335 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

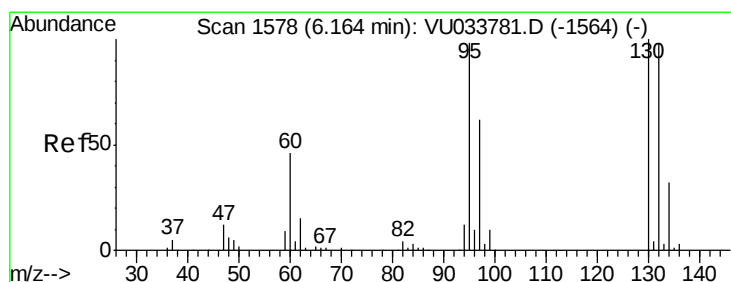
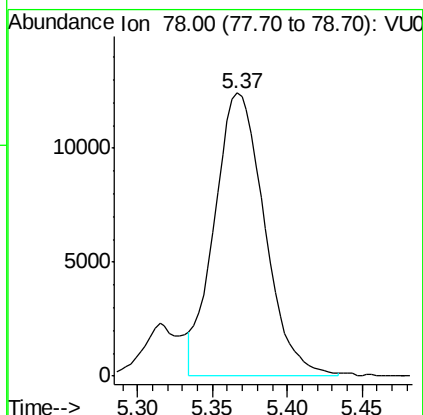
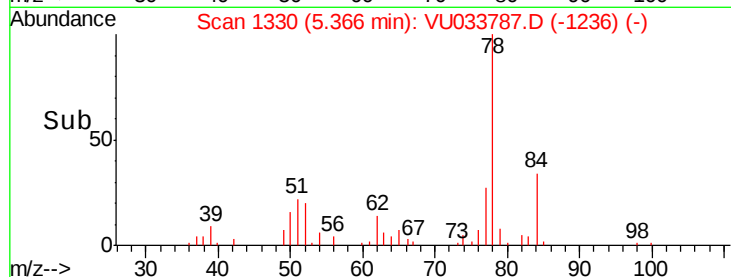
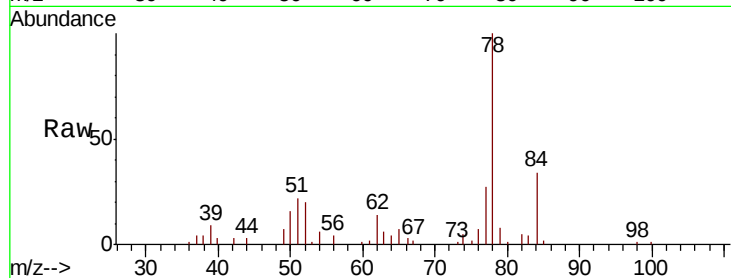
Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 78 Resp: 28983



#34

Trichloroethene

Concen: 2.230 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Tgt Ion: 95 Resp: 7334

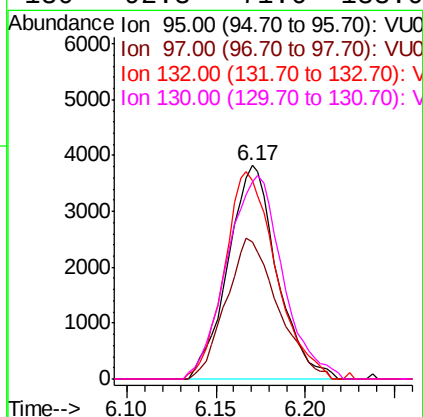
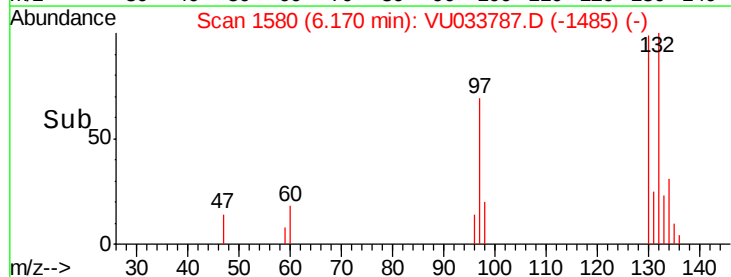
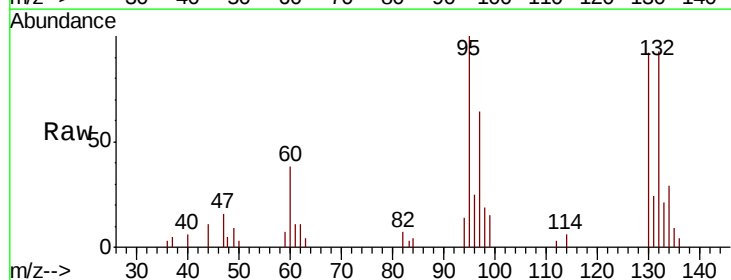
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.1	83.7
132	92.8	67.9	126.1
130	92.3	71.6	133.0

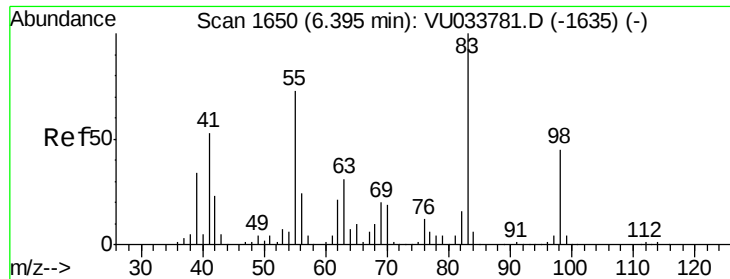
Ion 95.00 (94.70 to 95.70): VU0

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

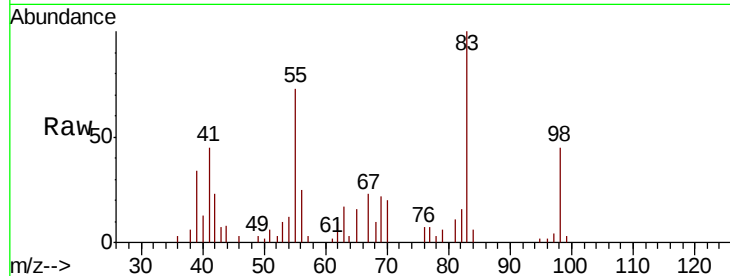




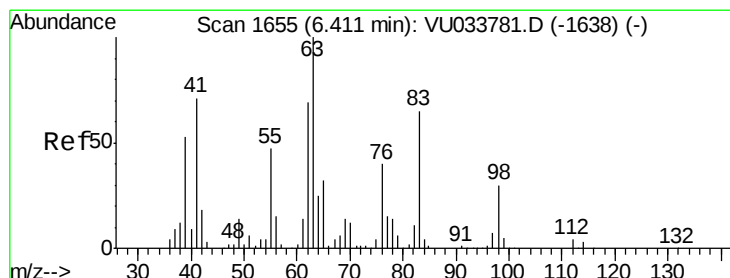
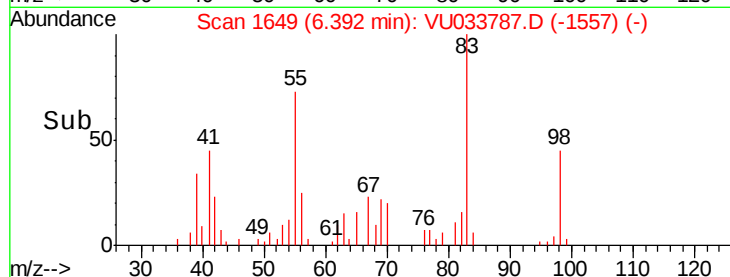
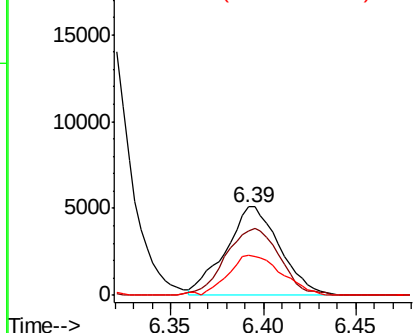
#35
Methylcyclohexane
Concen: 2.161 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033787.D
Acq: 13 Aug 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 83 Resp: 10357
Ion Ratio Lower Upper
83 100
55 75.2 62.2 93.4
98 43.9 35.8 53.8

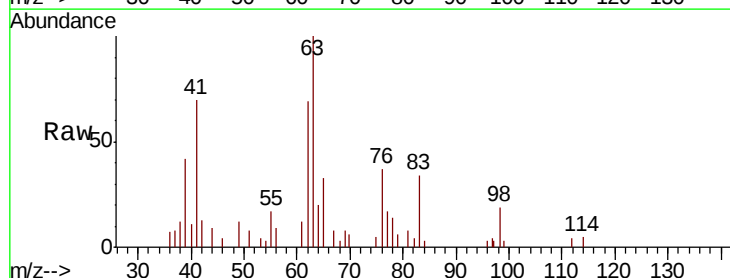


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

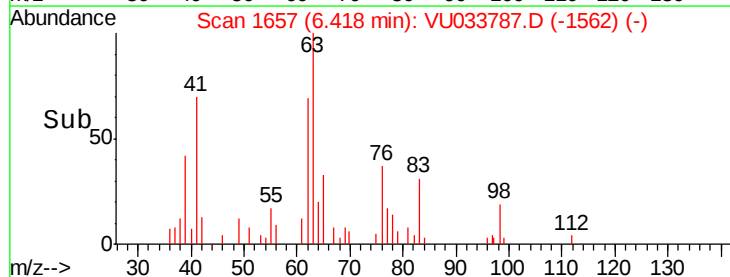
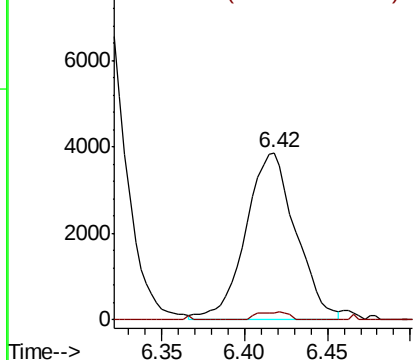


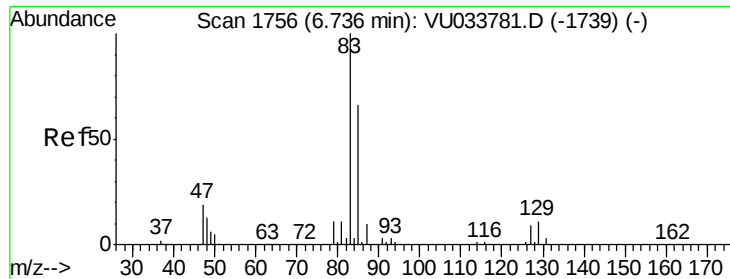
#37
1,2-Dichloropropane
Concen: 2.413 ug/L
RT: 6.42 min Scan# 1657
Delta R.T. 0.01 min
Lab File: VU033787.D
Acq: 13 Aug 2019 17:32

Tgt Ion: 63 Resp: 8164
Ion Ratio Lower Upper
63 100
112 1.5 3.0 4.6#



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

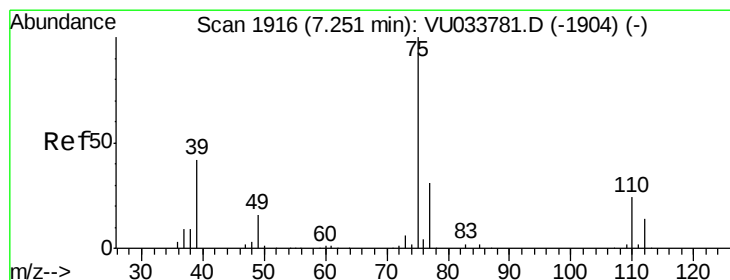
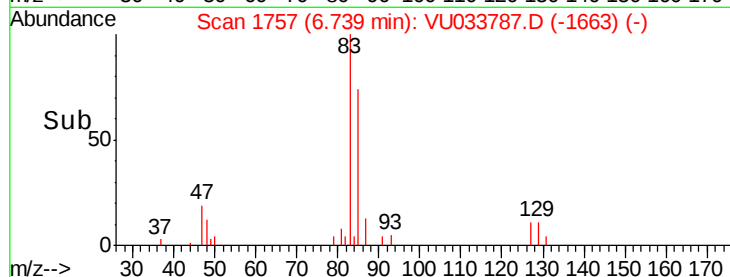
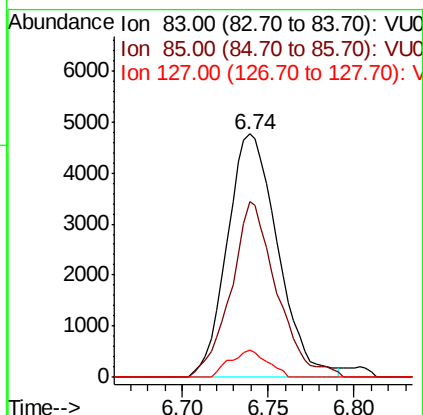
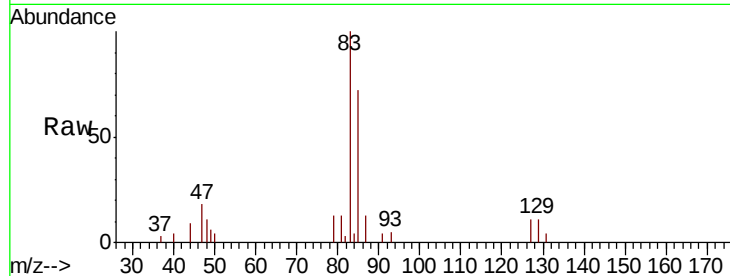




#38
 Bromodichloromethane
 Concen: 2.226 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

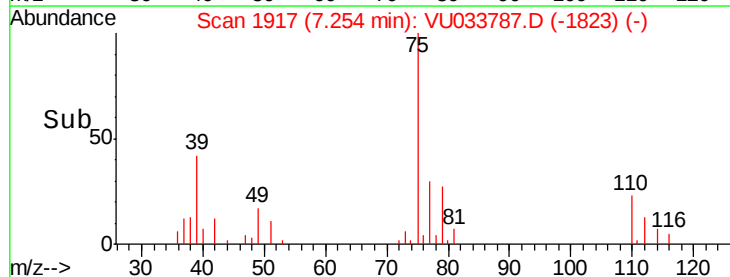
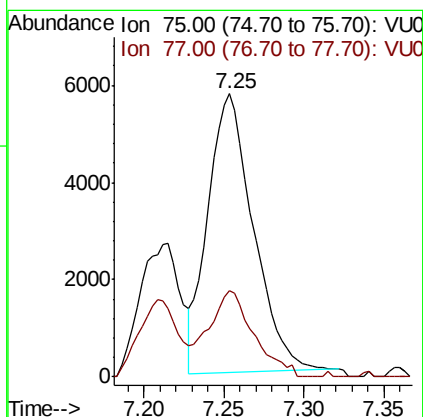
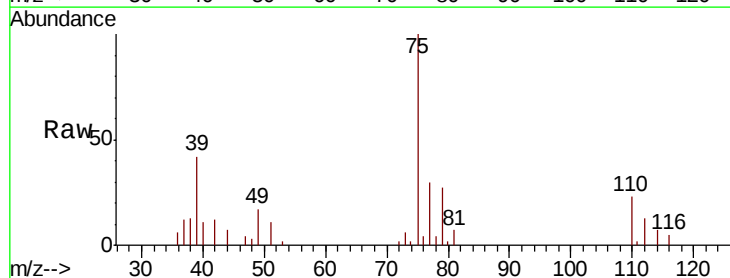
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

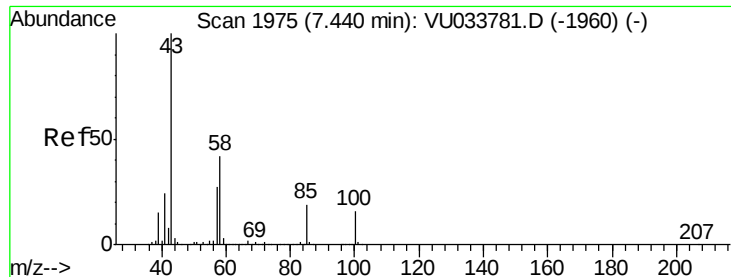
Tgt Ion: 83 Resp: 9717
 Ion Ratio Lower Upper
 83 100
 85 72.4 45.8 85.0
 127 11.0 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 2.262 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

Tgt Ion: 75 Resp: 11293
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.0 40.8

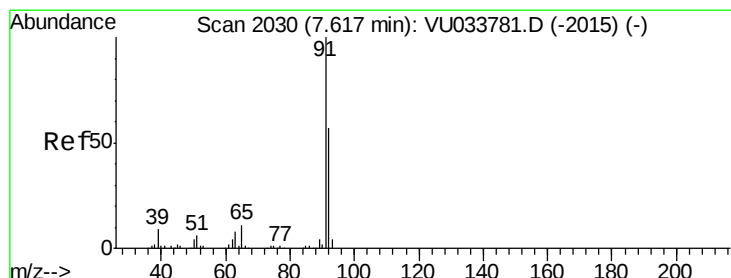
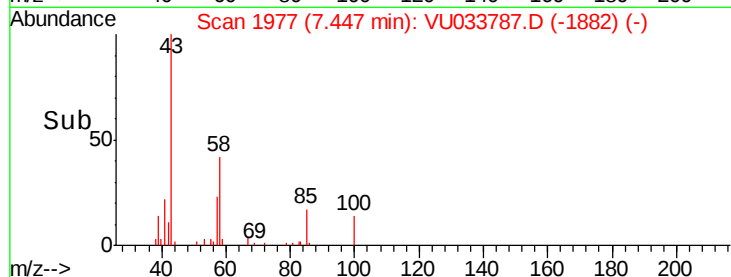
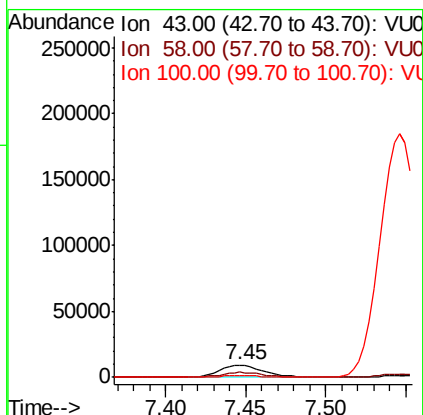
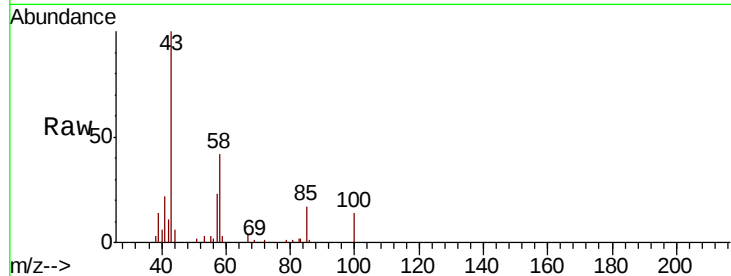




#40
 4-Methyl-2-pentanone
 Concen: 4.129 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

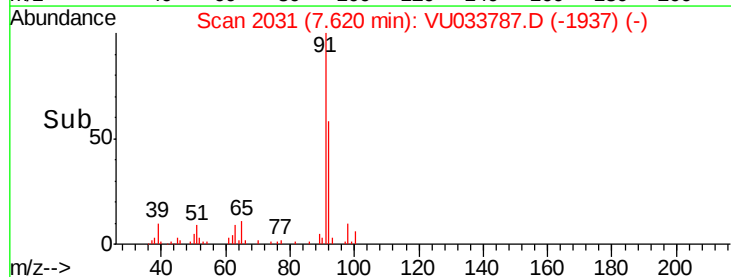
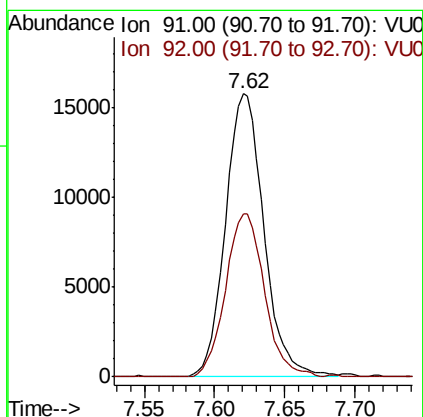
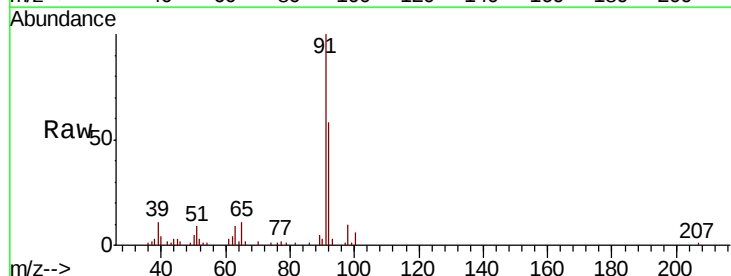
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

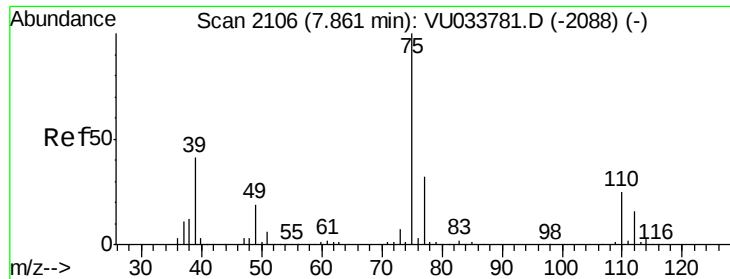
Tgt Ion: 43 Resp: 17379
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.5 48.7
 100 13.6 12.2 18.2



#42
 Toluene
 Concen: 2.286 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

Tgt Ion: 91 Resp: 29977
 Ion Ratio Lower Upper
 91 100
 92 57.7 40.0 74.2

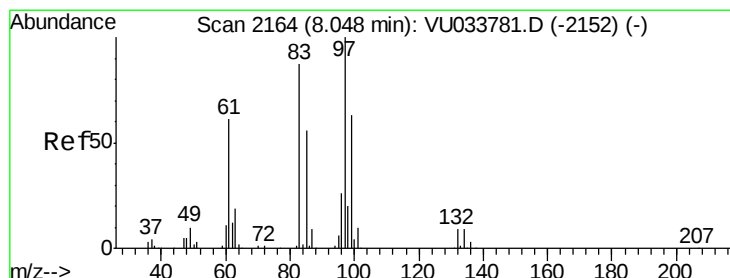
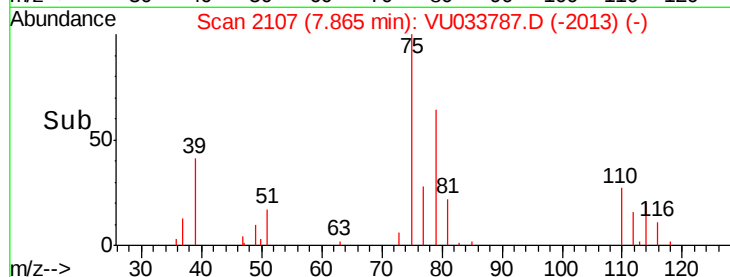
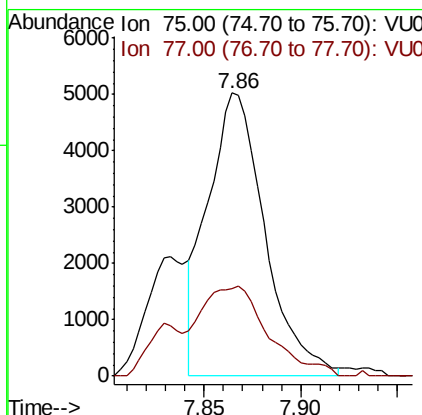
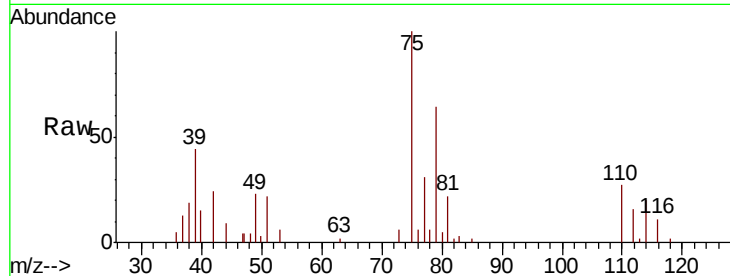




#44
trans-1,3-Dichloropropene
Concen: 2.276 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VU033787.D
Acq: 13 Aug 2019 17:32

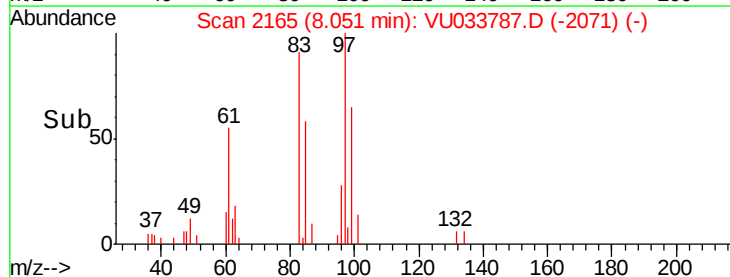
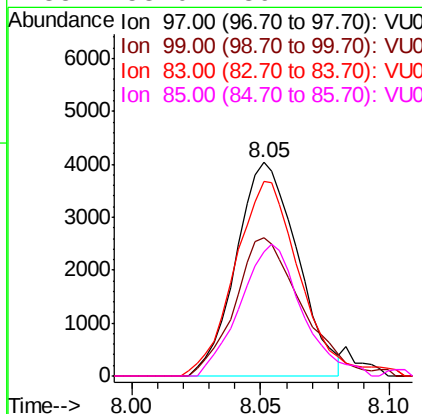
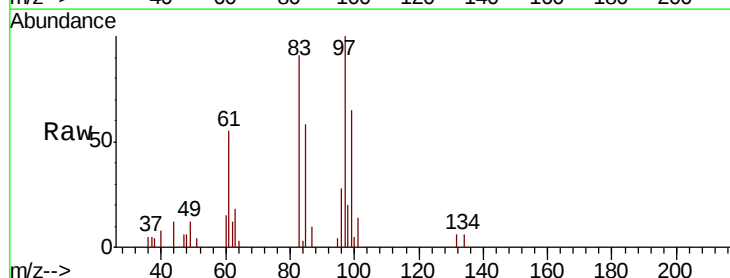
Instrument :
MSVOA_U
ClientSampleId :
MDL06

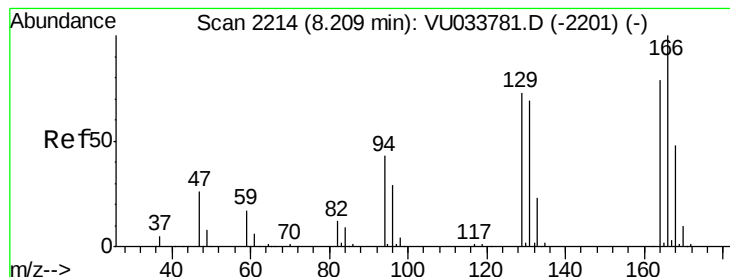
Tgt Ion: 75 Resp: 10352
Ion Ratio Lower Upper
75 100
77 31.0 22.7 42.3



#45
1,1,2-Trichloroethane
Concen: 2.097 ug/L
RT: 8.05 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VU033787.D
Acq: 13 Aug 2019 17:32

Tgt Ion: 97 Resp: 6694
Ion Ratio Lower Upper
97 100
99 64.7 43.5 80.9
83 90.8 61.8 114.8
85 58.0 39.1 72.7





#46

Tetrachloroethene

Concen: 2.243 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion:164 Resp: 5786

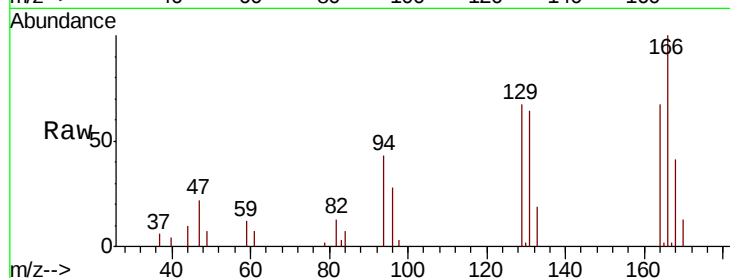
Ion Ratio Lower Upper

164 100

129 100.3 65.5 121.6

131 96.6 64.0 119.0

166 150.3 89.4 166.0



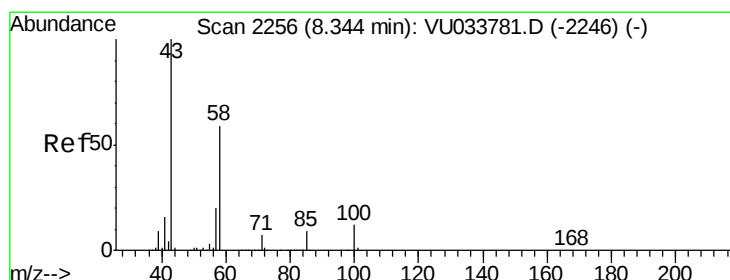
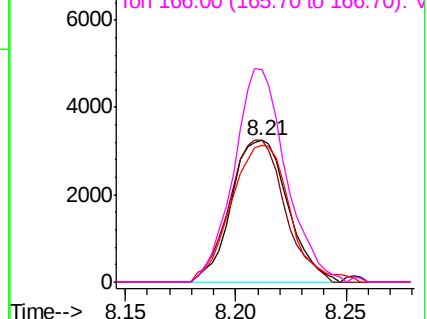
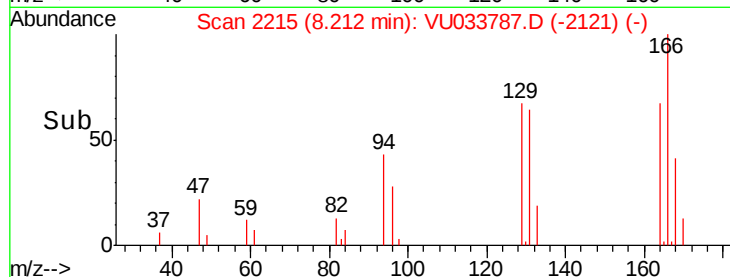
Abundance

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: 5.657 ug/L

RT: 8.35 min Scan# 2258

Delta R.T. 0.01 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Tgt Ion: 43 Resp: 18224

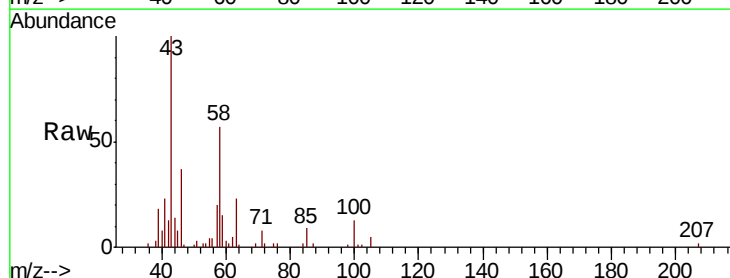
Ion Ratio Lower Upper

43 100

58 52.2 45.4 68.0

57 20.9 15.4 23.0

100 11.8 9.4 14.2



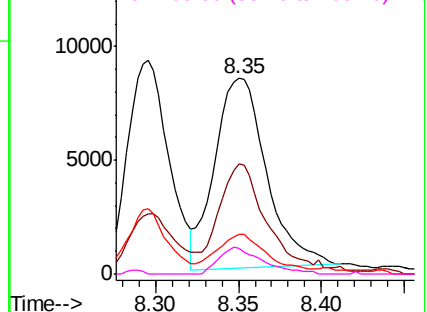
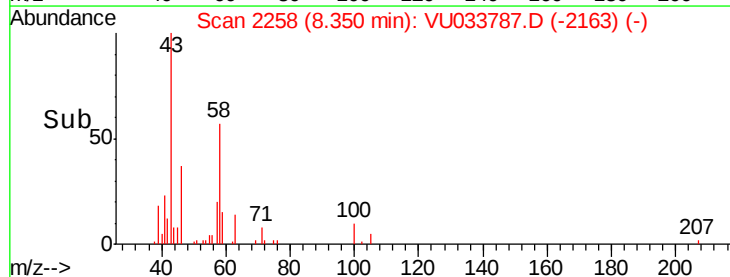
Abundance

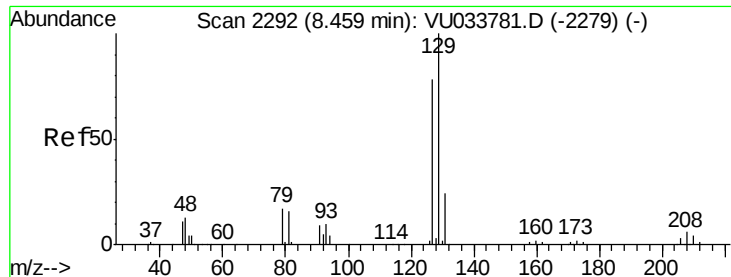
Ion 43.00 (42.70 to 43.70): VU0

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: 2.188 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampled :

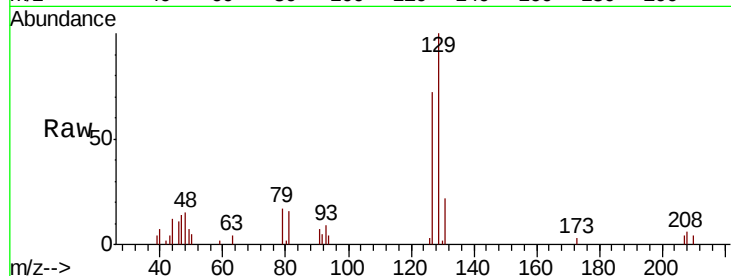
MDL06

Tgt Ion:129 Resp: 7797

Ion Ratio Lower Upper

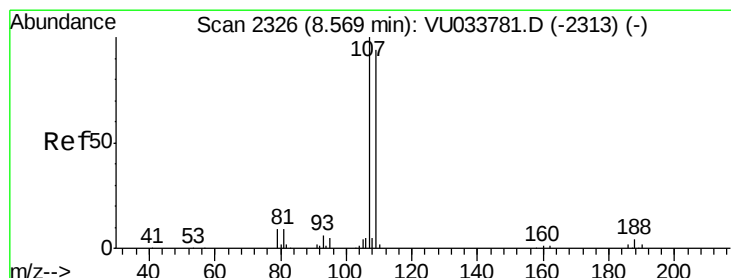
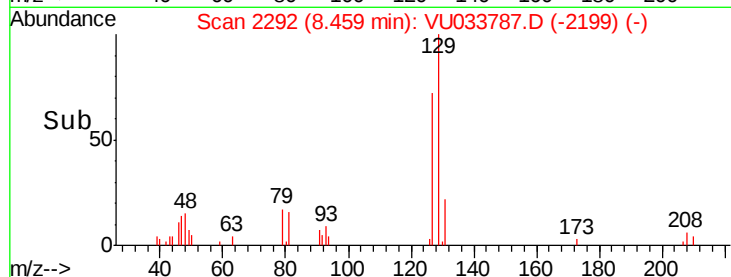
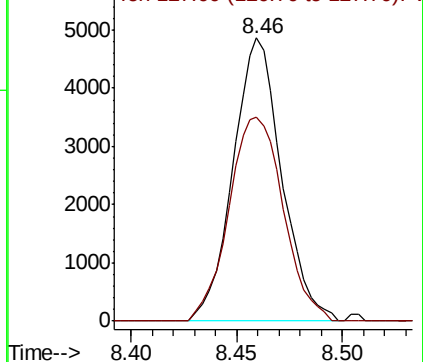
129 100

127 72.0 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: 2.330 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

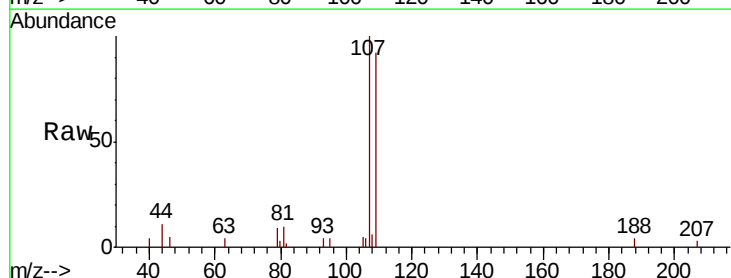
Tgt Ion:107 Resp: 7804

Ion Ratio Lower Upper

107 100

109 92.0 66.0 122.6

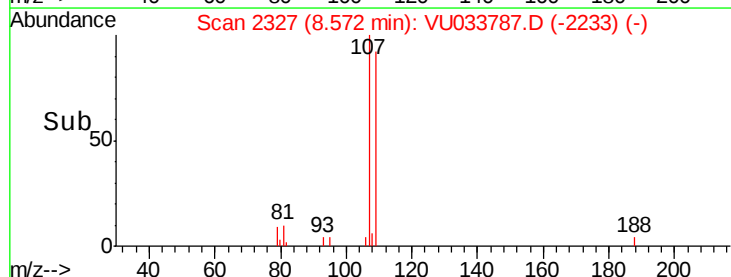
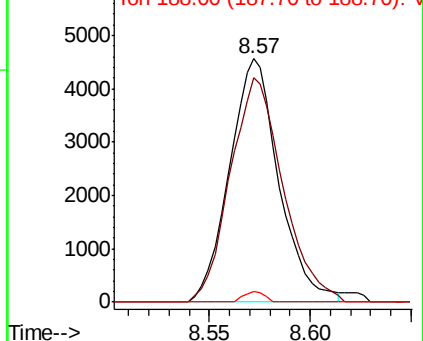
188 4.2 3.0 4.6

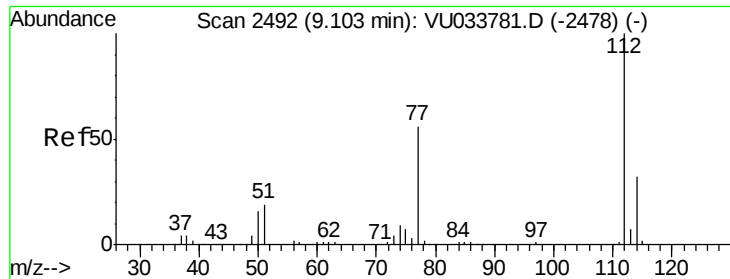


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.320 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL06

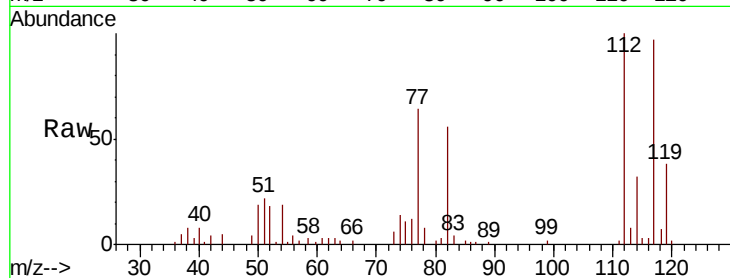
Tgt Ion: 112 Resp: 19794

Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

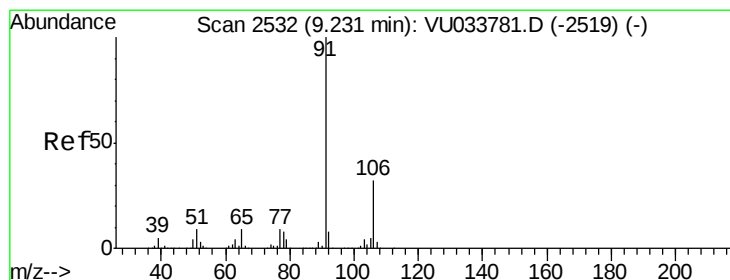
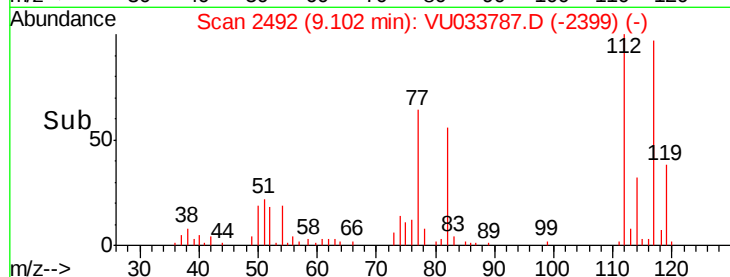
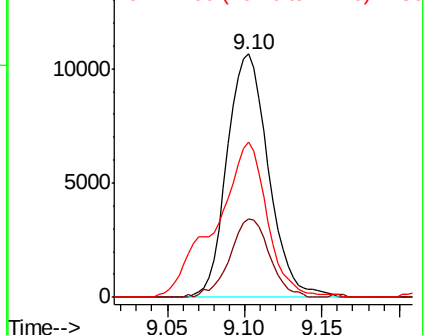
77 63.7 46.2 69.4



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): VU



#52

Ethylbenzene

Concen: 2.090 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033787.D

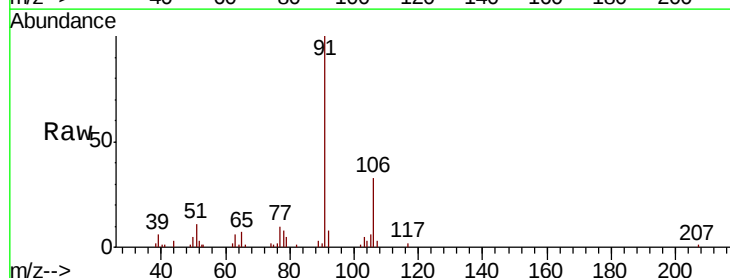
Acq: 13 Aug 2019 17:32

Tgt Ion: 91 Resp: 28835

Ion Ratio Lower Upper

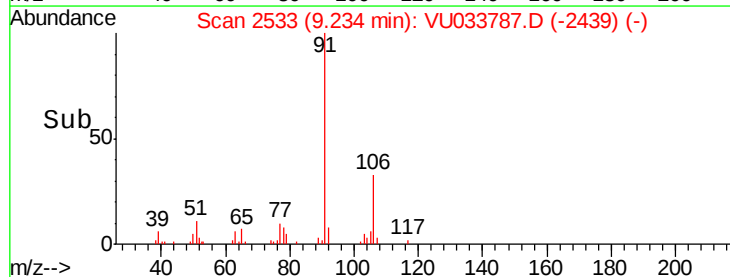
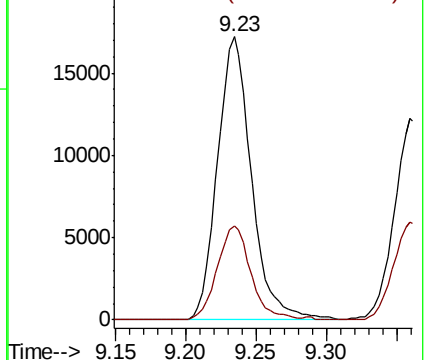
91 100

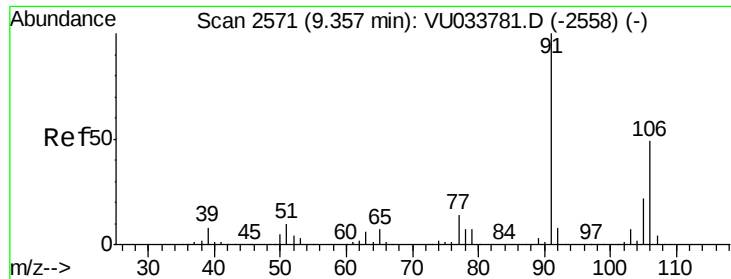
106 33.2 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 2.033 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

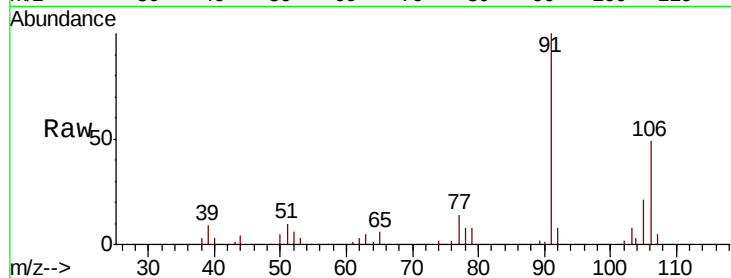
MDL06

Tgt Ion:106 Resp: 10484

Ion Ratio Lower Upper

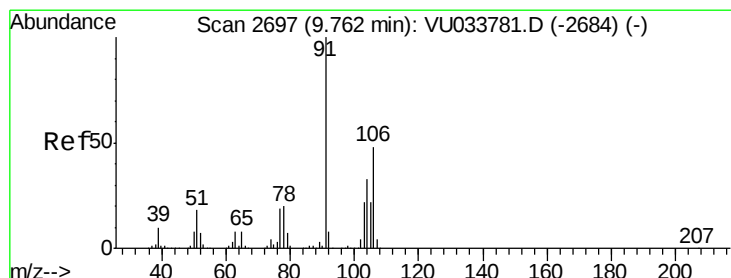
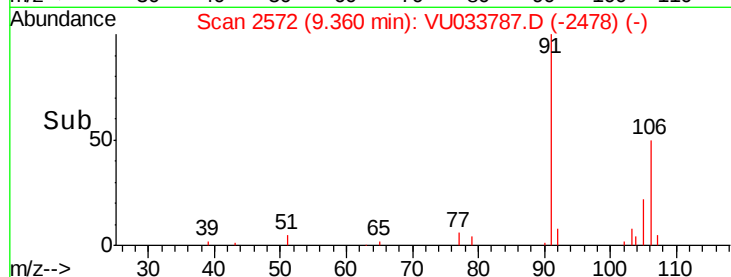
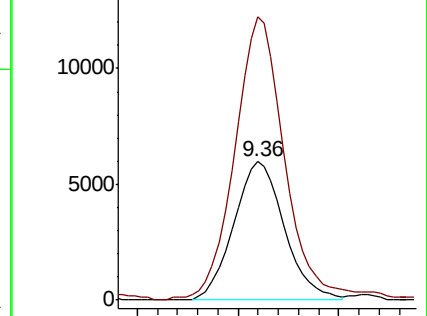
106 100

91 204.6 142.1 263.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.884 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033787.D

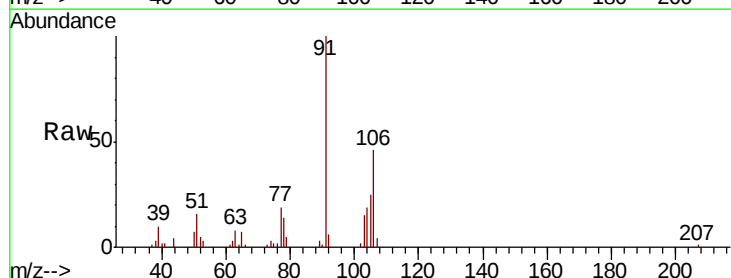
Acq: 13 Aug 2019 17:32

Tgt Ion:106 Resp: 9561

Ion Ratio Lower Upper

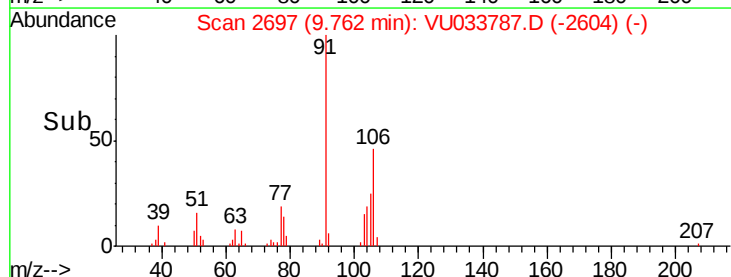
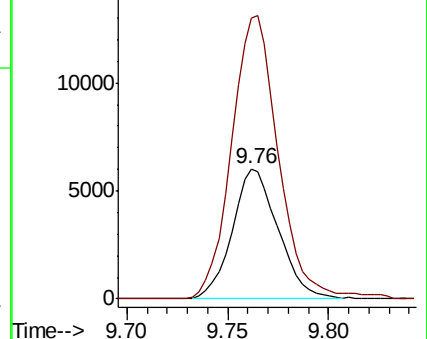
106 100

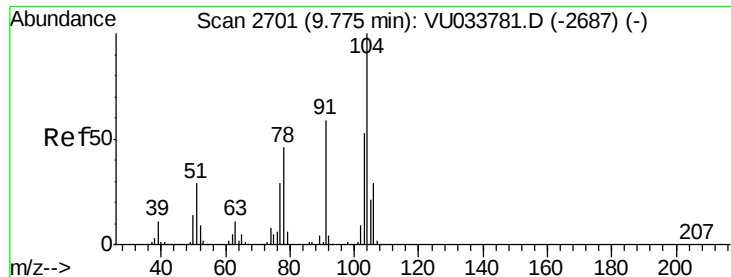
91 216.1 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 1.869 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

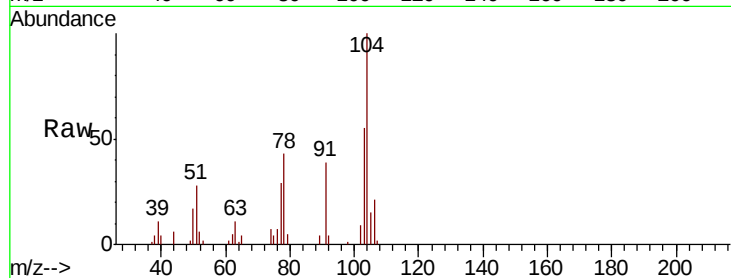
MDL06

Tgt Ion:104 Resp: 16102

Ion Ratio Lower Upper

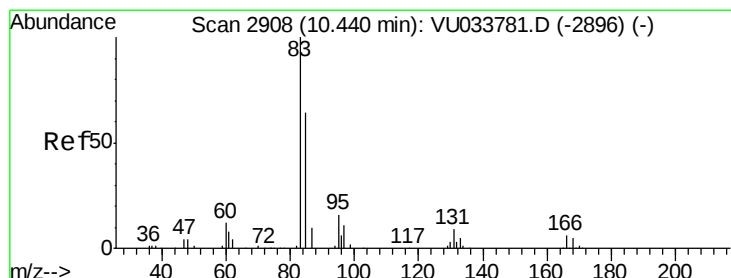
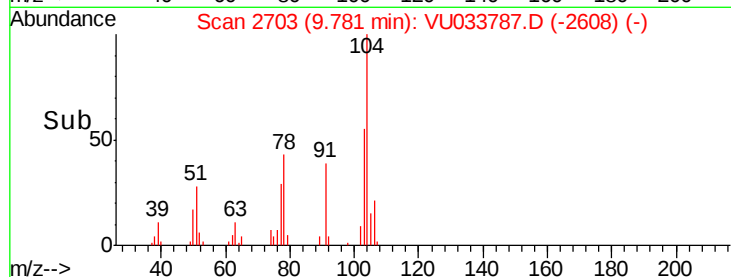
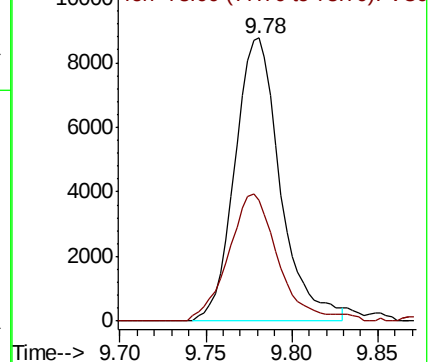
104 100

78 42.8 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#57

1,1,2,2-Tetrachloroethane

Concen: 2.430 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

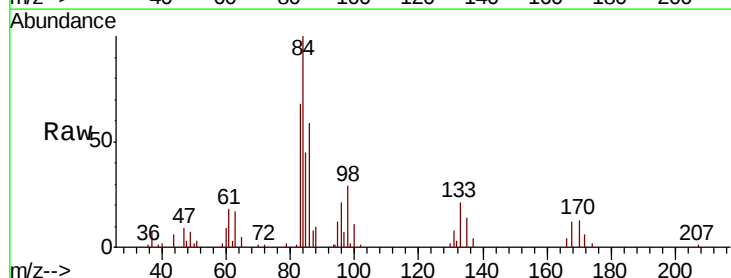
Tgt Ion: 83 Resp: 12977

Ion Ratio Lower Upper

83 100

85 66.1 44.7 83.1

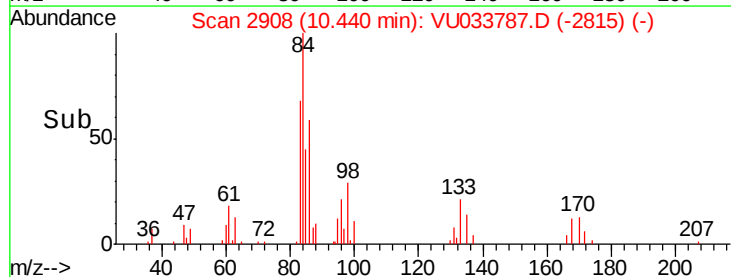
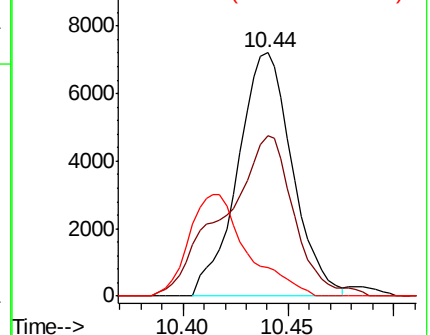
131 11.9 7.8 11.6#

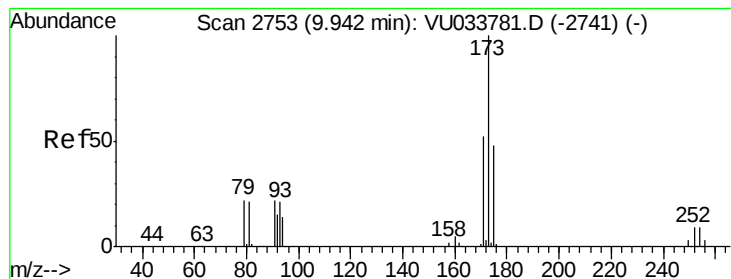


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 2.421 ug/L

RT: 9.94 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL06

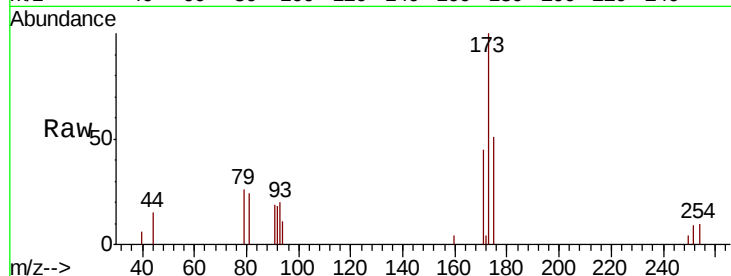
Tgt Ion:173 Resp: 5826

Ion Ratio Lower Upper

173 100

175 50.5 38.9 58.3

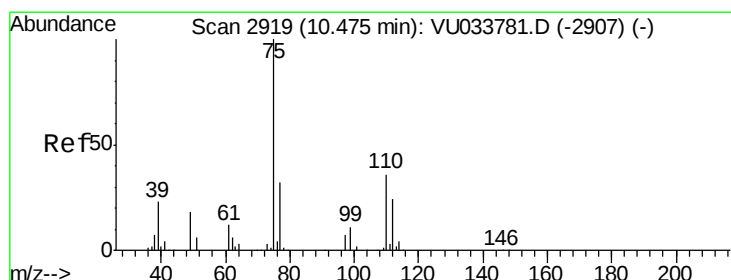
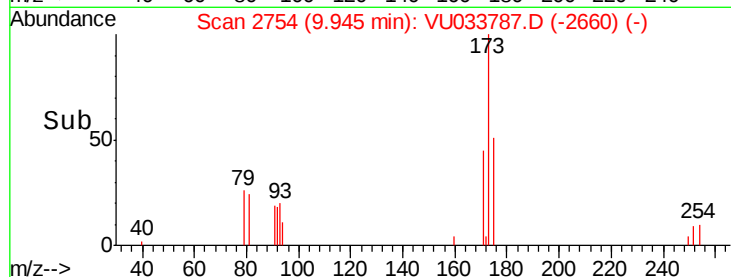
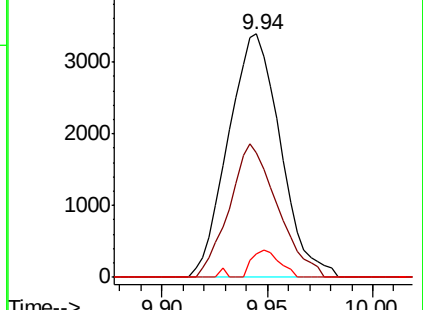
254 6.0 7.4 11.0#



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: 2.455 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

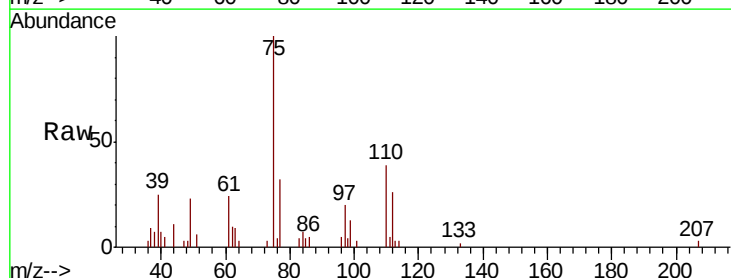
Tgt Ion: 75 Resp: 9307

Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

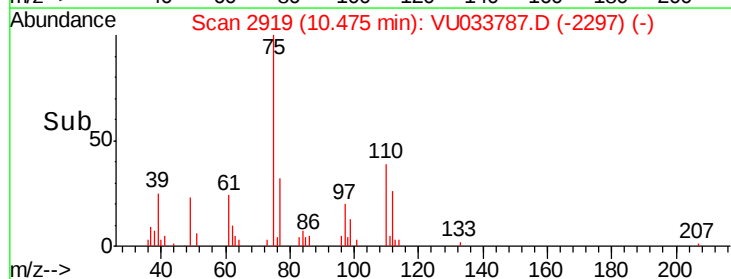
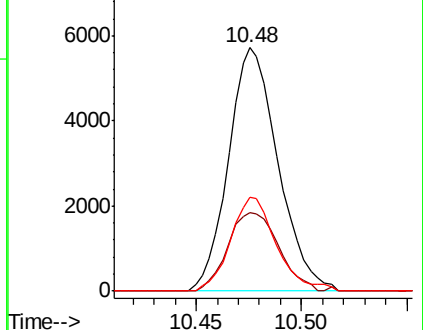
110 35.0 29.7 44.5

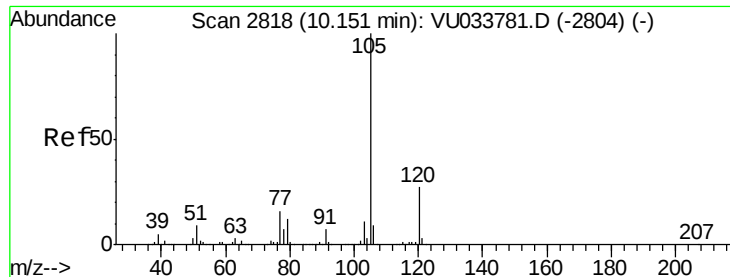


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V





#61

Isopropylbenzene

Concen: 2.048 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL06

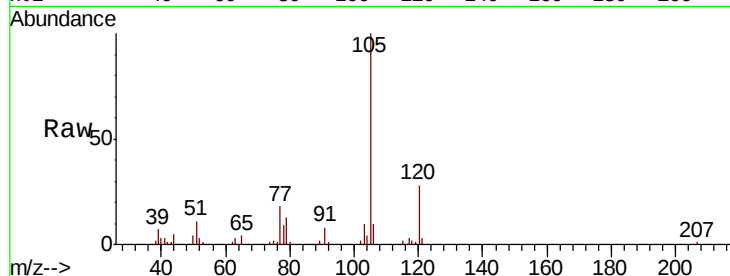
Tgt Ion:105 Resp: 23882

Ion Ratio Lower Upper

105 100

120 27.0 21.0 31.6

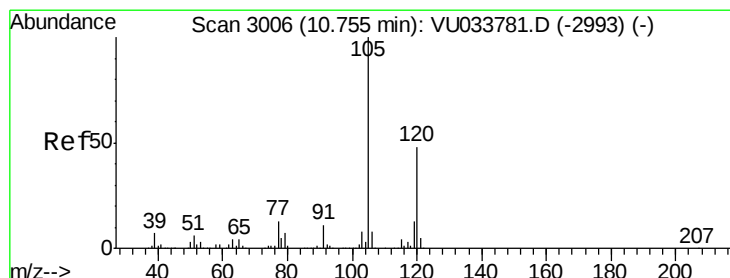
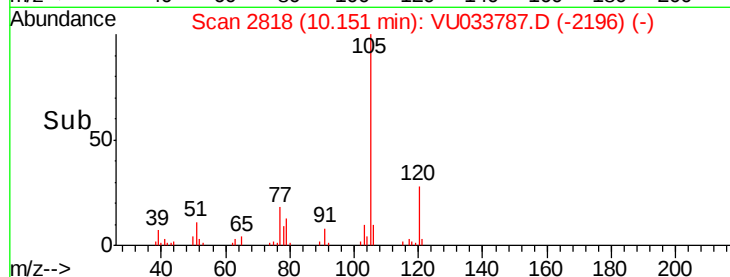
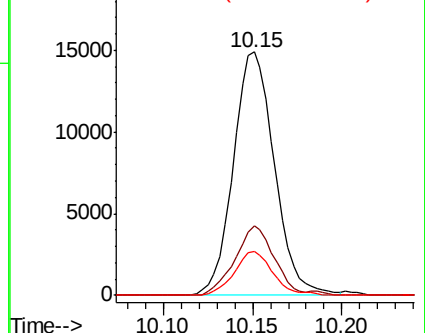
77 16.8 12.8 19.2



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): VU



#62

1,3,5-Trimethylbenzene

Concen: 1.997 ug/L

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033787.D

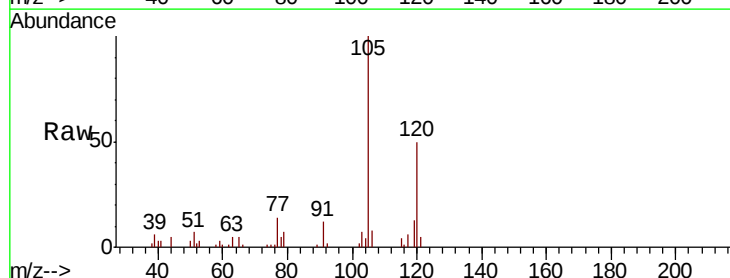
Acq: 13 Aug 2019 17:32

Tgt Ion:105 Resp: 18799

Ion Ratio Lower Upper

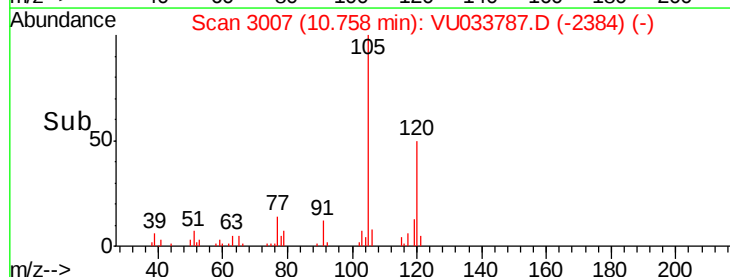
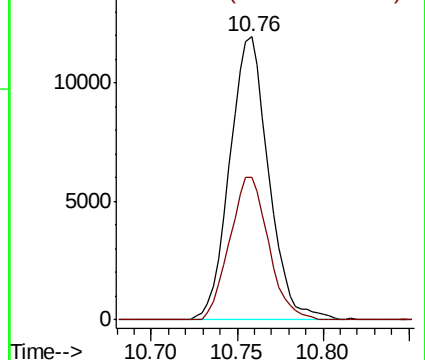
105 100

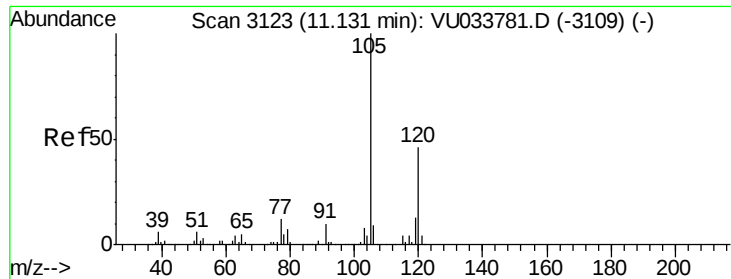
120 50.3 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

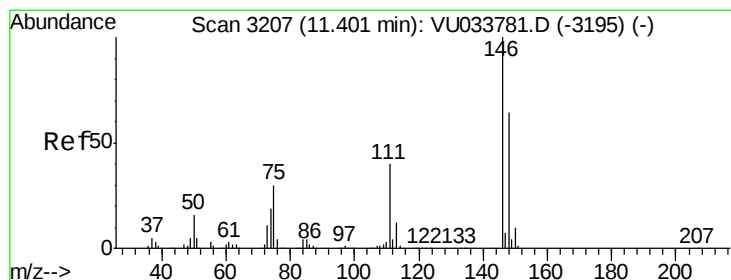
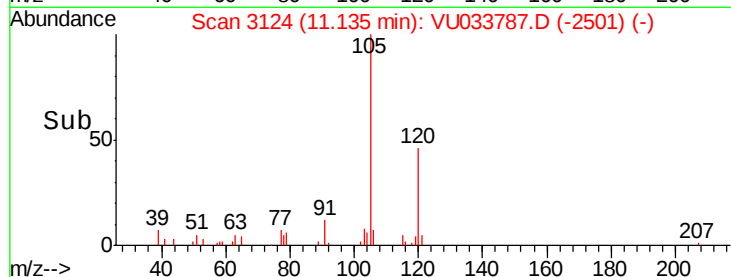
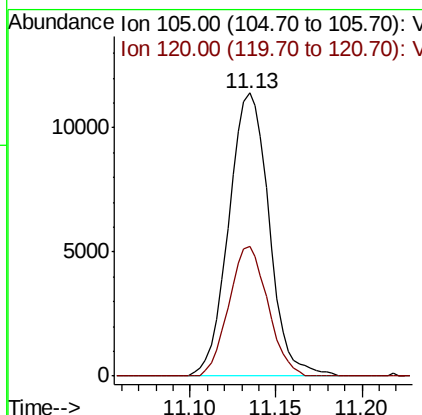
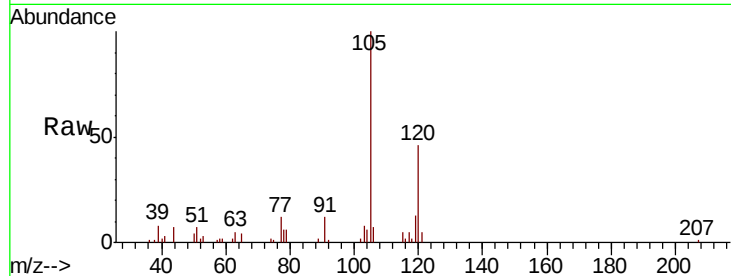




#63
 1,2,4-Trimethylbenzene
 Concen: 1.997 ug/L
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

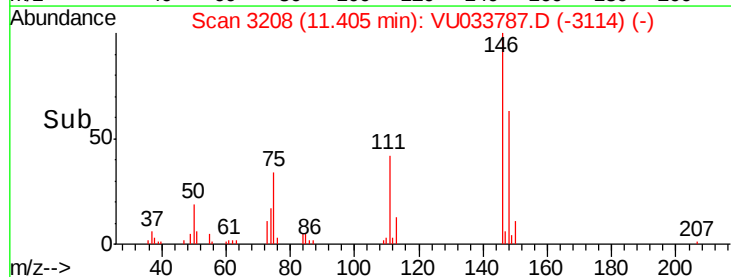
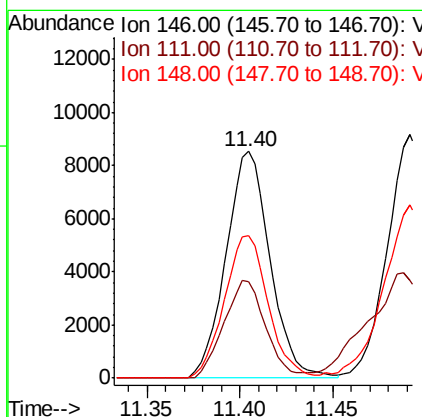
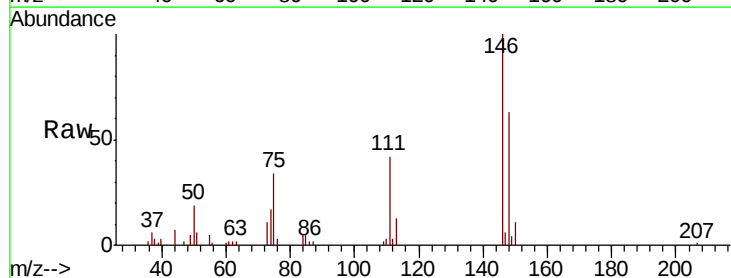
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

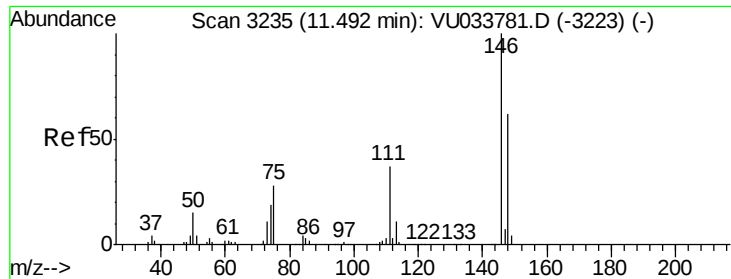
Tgt Ion:105 Resp: 18652
 Ion Ratio Lower Upper
 105 100
 120 44.1 36.6 55.0



#64
 1,3-Dichlorobenzene
 Concen: 2.408 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

Tgt Ion:146 Resp: 14089
 Ion Ratio Lower Upper
 146 100
 111 42.4 27.1 50.3
 148 62.7 45.0 83.6

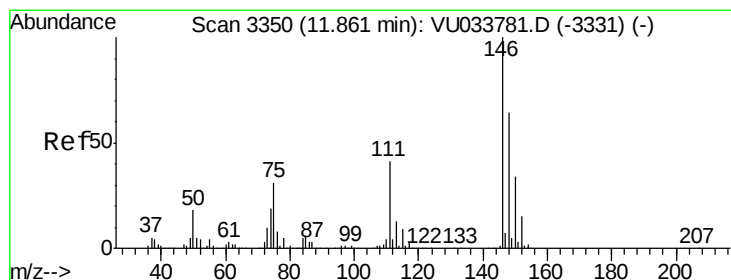
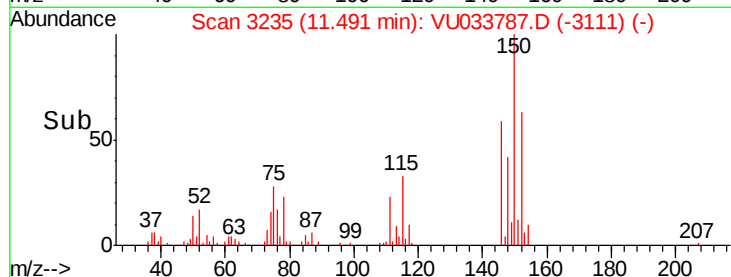
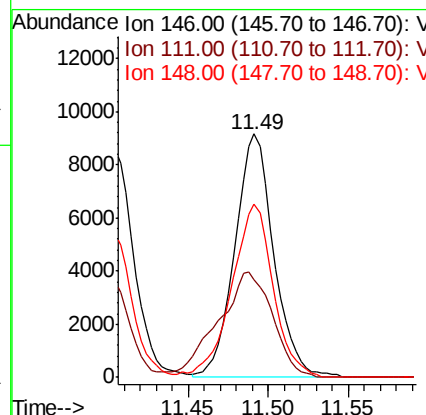
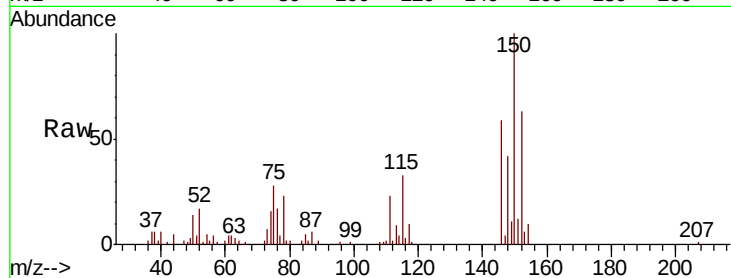




#65
 1,4-Dichlorobenzene
 Concen: 2.530 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

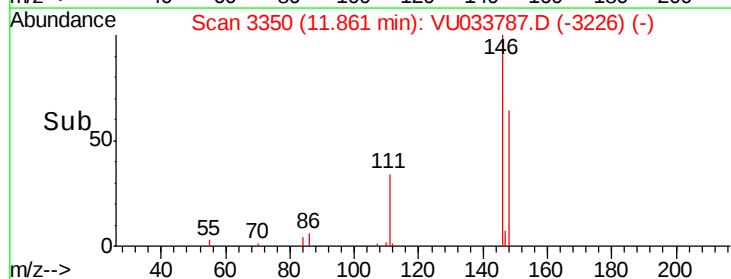
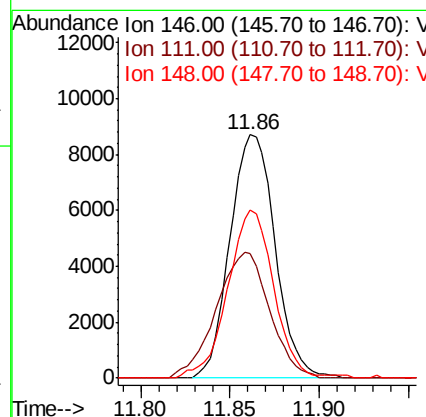
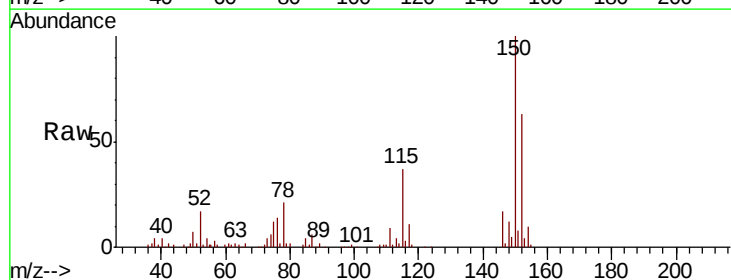
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

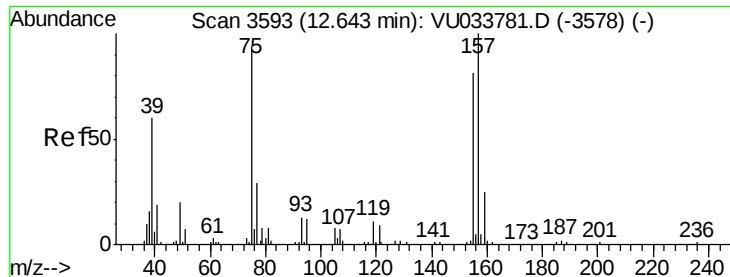
Tgt Ion:146 Resp: 15172
 Ion Ratio Lower Upper
 146 100
 111 40.0 26.5 49.3
 148 71.4 43.9 81.5



#67
 1,2-Dichlorobenzene
 Concen: 2.582 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

Tgt Ion:146 Resp: 15349
 Ion Ratio Lower Upper
 146 100
 111 51.0 33.1 49.7#
 148 69.2 51.8 77.8





#68

1,2-Dibromo-3-chloropropane

Concen: 2.263 ug/L

RT: 12.65 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL06

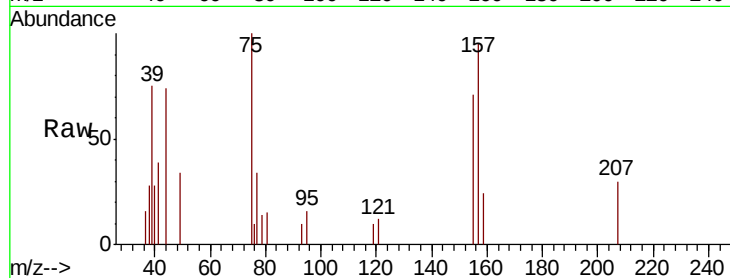
Tgt Ion: 75 Resp: 2392

Ion Ratio Lower Upper

75 100

155 71.1 65.9 98.9

157 95.1 86.3 129.5

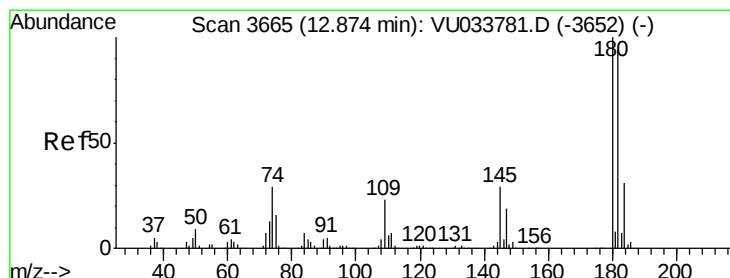
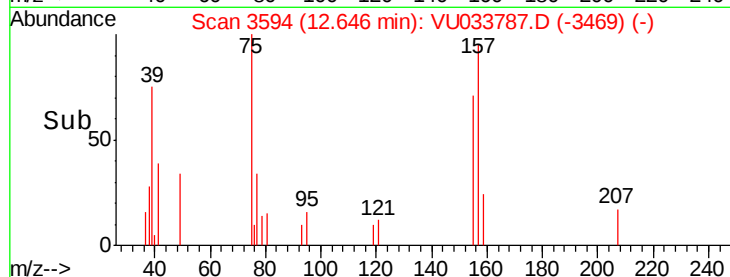
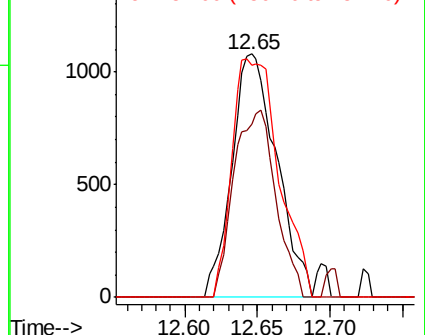


Abundance

Ion 75.00 (74.70 to 75.70): VU033781.D (-3578) (-)

Ion 155.00 (154.70 to 155.70): VU033781.D (-3578) (-)

Ion 157.00 (156.70 to 157.70): VU033781.D (-3578) (-)



#69

1,3,5-Trichlorobenzene

Concen: 2.339 ug/L

RT: 12.88 min Scan# 3666

Delta R.T. 0.00 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Tgt Ion: 180 Resp: 10338

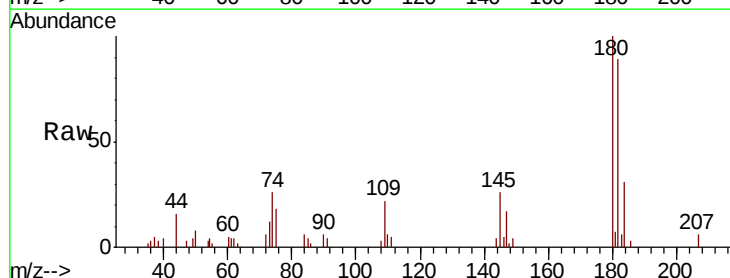
Ion Ratio Lower Upper

180 100

182 86.5 77.2 115.8

184 29.0 24.5 36.7

145 27.3 23.4 35.0



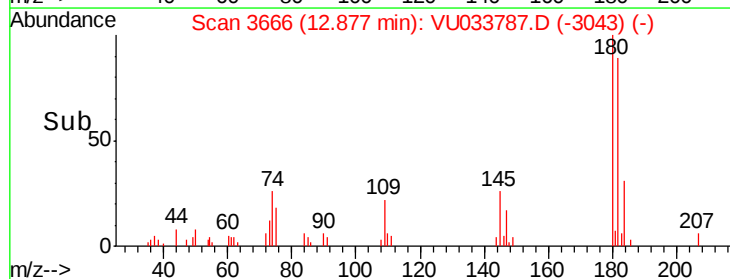
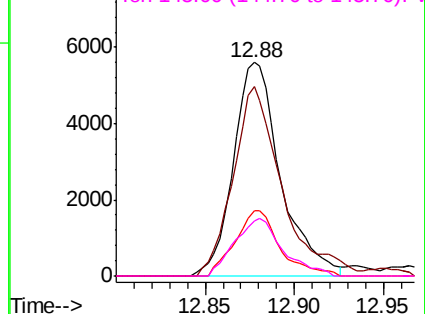
Abundance

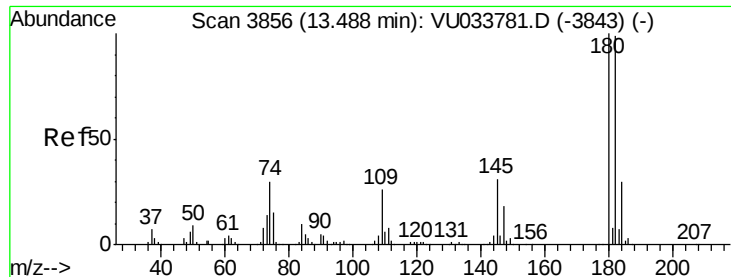
Ion 180.00 (179.70 to 180.70): VU033781.D (-3652) (-)

Ion 182.00 (181.70 to 182.70): VU033781.D (-3652) (-)

Ion 184.00 (183.70 to 184.70): VU033781.D (-3652) (-)

Ion 145.00 (144.70 to 145.70): VU033781.D (-3652) (-)





#70

1,2,4-trichlorobenzene

Concen: 1.633 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.01 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL06

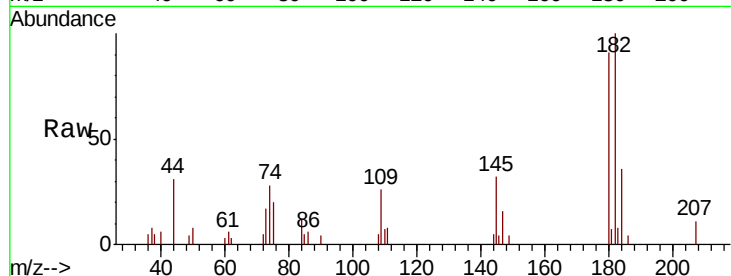
Tgt Ion:180 Resp: 5987

Ion Ratio Lower Upper

180 100

182 102.6 75.3 112.9

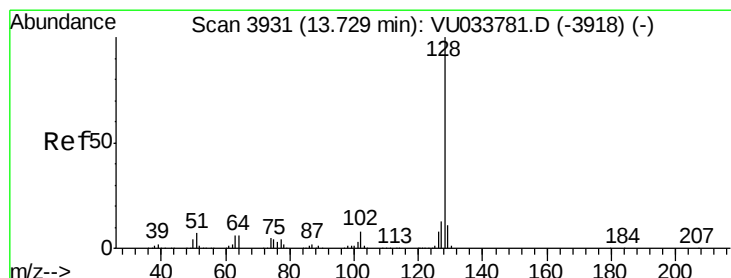
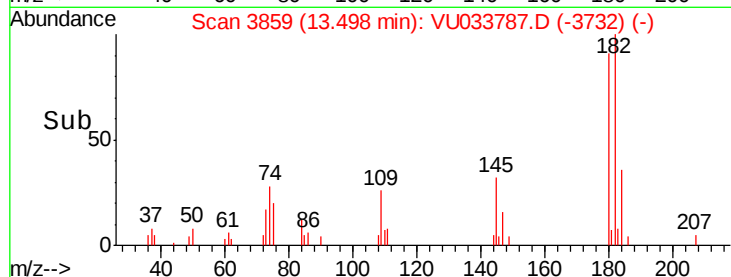
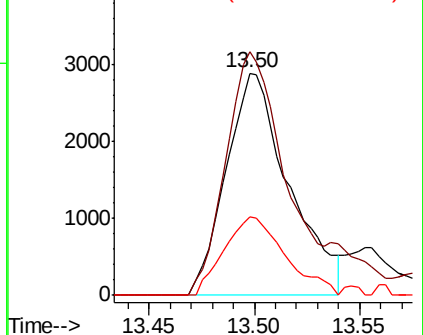
145 34.4 23.3 34.9



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



#71

Naphthalene

Concen: 1.386 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VU033787.D

Acq: 13 Aug 2019 17:32

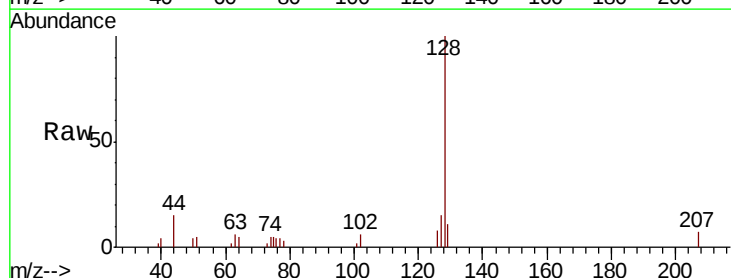
Tgt Ion:128 Resp: 15120

Ion Ratio Lower Upper

128 100

127 11.4 11.0 16.4

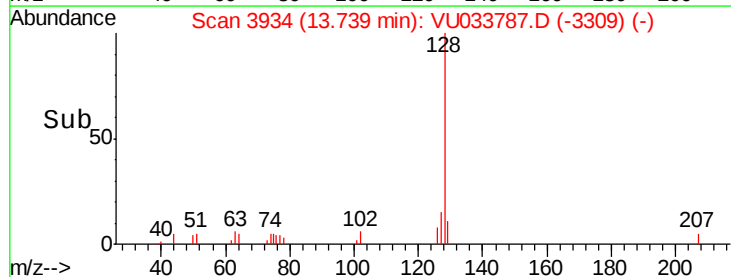
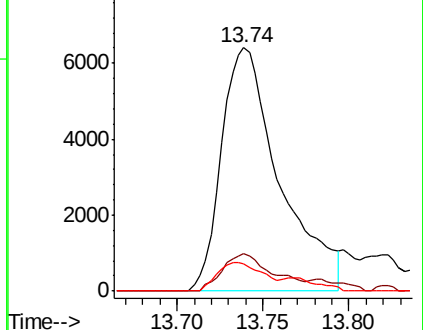
129 9.0 8.5 12.7

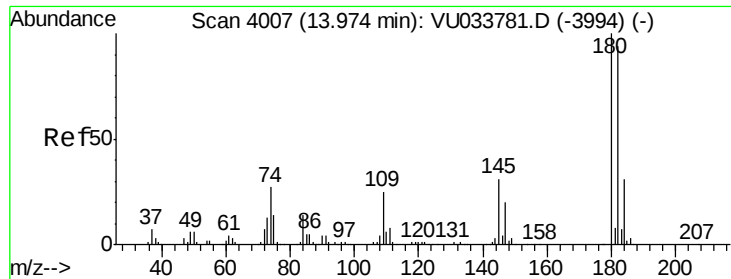


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 2.010 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.01 min
 Lab File: VU033787.D
 Acq: 13 Aug 2019 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.2	77.1	115.7
145	24.5	24.6	36.8

