

Data File : VU033478.D
Acq On : 29 Jul 2019 19:15
Operator : JC/SP
Sample : MDL02
Misc : 5.00g/mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Quant Time: Jul 30 04:17:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 04:12:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294774	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294943	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	137435	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	127703	47.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.42%
7) Chloroethane-d5	1.67	69	109938	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.42%
11) 1,1-Dichloroethene-d2	2.26	63	167210	34.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.32%
21) 2-Butanone-d5	4.15	46	135596	88.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.41%
24) Chloroform-d	4.62	84	179556	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.64%
26) 1,2-Dichloroethane-d4	5.29	65	130268	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
32) Benzene-d6	5.32	84	400837	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
36) 1,2-Dichloropropane-d6	6.31	67	126958	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.38%
41) Toluene-d8	7.55	98	364946	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%
43) trans-1,3-Dichloropropene-	7.83	79	57079	47.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.12%
47) 2-Hexanone-d5	8.30	63	105107	103.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.03%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	186350	49.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.88%
66) 1,2-Dichlorobenzene-d4	11.85	152	140725	53.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.58%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7209	2.451 ug/L	98
3) Chloromethane	1.32	50	7808	2.659 ug/L	99
5) Vinyl chloride	1.40	62	8490	2.528 ug/L #	71
6) Bromomethane	1.62	94	5788	2.466 ug/L	97
8) Chloroethane	1.69	64	5355	2.600 ug/L	99
9) Trichlorofluoromethane	1.87	101	11287	2.563 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6819	3.081 ug/L #	83
12) 1,1-Dichloroethene	2.27	96	6028	2.795 ug/L #	1
13) Acetone	2.31	43	6288	4.137 ug/L	98
14) Carbon disulfide	2.46	76	15342	2.388 ug/L	97
15) Methyl Acetate	2.60	43	5701	2.339 ug/L	93
16) Methylene chloride	2.68	84	6037	2.548 ug/L	93
17) trans-1,2-Dichloroethene	2.96	96	5297	2.473 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	14189	2.245 ug/L	97
19) 1,1-Dichloroethane	3.43	63	9838	2.439 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	5923	2.505 ug/L	96
22) 2-Butanone	4.25	43	5797	3.210 ug/L #	66

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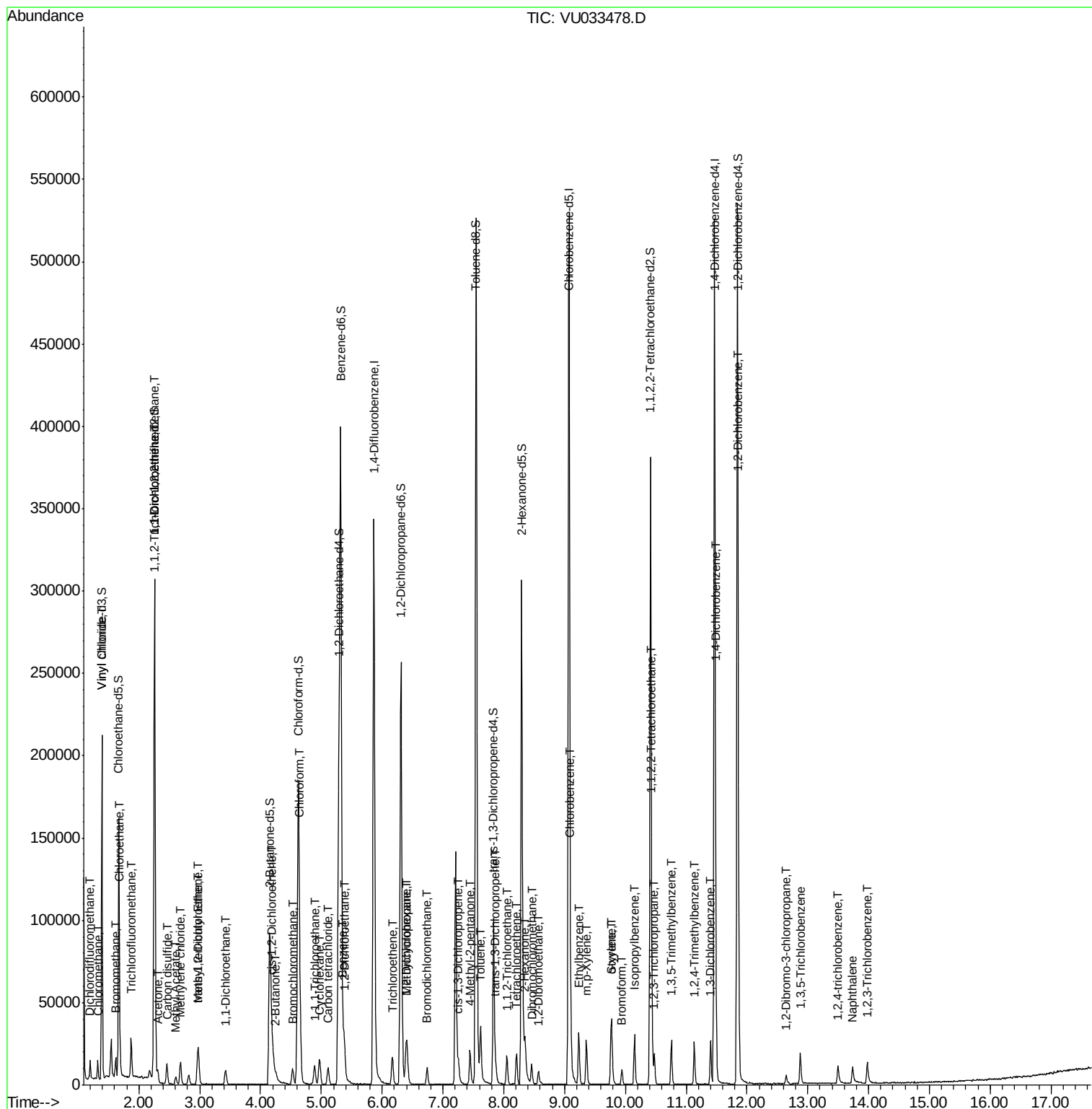
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	2967	2.363	ug/L	89
25) Chloroform	4.65	83	32844	7.681	ug/L	100
27) 1,2-Dichloroethane	5.39	62	8508	2.562	ug/L #	95
29) Cyclohexane	4.96	56	6866	2.119	ug/L	93
30) 1,1,1-Trichloroethane	4.89	97	8746	2.490	ug/L	98
31) Carbon tetrachloride	5.11	117	7702	2.464	ug/L	99
33) Benzene	5.37	78	22270	2.526	ug/L	100
34) Trichloroethene	6.17	95	5817	2.533	ug/L	96
35) Methylcyclohexane	6.40	83	8015	2.295	ug/L	99
37) 1,2-Dichloropropane	6.41	63	6182	2.607	ug/L	98
38) Bromodichloromethane	6.74	83	7793	2.497	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	8148	2.305	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	13897	4.448	ug/L	94
42) Toluene	7.62	91	23246	2.450	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	7492	2.335	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	5675	2.510	ug/L	98
46) Tetrachloroethene	8.21	164	4483	2.398	ug/L	94
48) 2-Hexanone	8.35	43	15665	6.154	ug/L	98
49) Dibromochloromethane	8.46	129	5949	2.350	ug/L	99
50) 1,2-Dibromoethane	8.57	107	5937	2.420	ug/L	93
51) Chlorobenzene	9.10	112	15417	2.446	ug/L	97
52) Ethylbenzene	9.23	91	22480	2.186	ug/L	95
53) m,p-Xylene	9.36	106	7974	2.062	ug/L	97
54) o-xylene	9.76	106	7527	1.985	ug/L	98
55) Styrene	9.78	104	12101	1.881	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.44	83	11057	2.750	ug/L #	99
59) Bromoform	9.94	173	4223	2.456	ug/L #	93
60) 1,2,3-Trichloropropane	10.48	75	7551	2.697	ug/L	97
61) Isopropylbenzene	10.15	105	18985	2.157	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	14404	2.019	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	13748	1.943	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	11272	2.512	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	11420	2.464	ug/L	94
67) 1,2-Dichlorobenzene	11.86	146	12060	2.683	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	1912	2.456	ug/L	92
69) 1,3,5-Trichlorobenzene	12.88	180	7529	2.210	ug/L	96
70) 1,2,4-trichlorobenzene	13.50	180	4698	1.652	ug/L	96
71) Naphthalene	13.74	128	12204	1.484	ug/L	95
72) 1,2,3-Trichlorobenzene	13.98	180	5541	1.860	ug/L	93

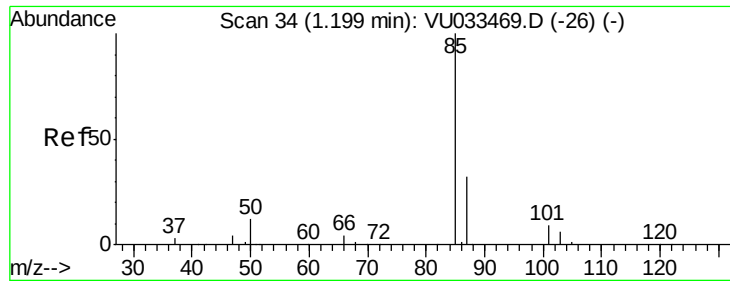
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.451 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

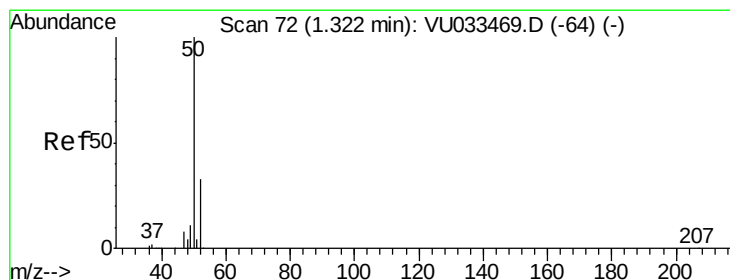
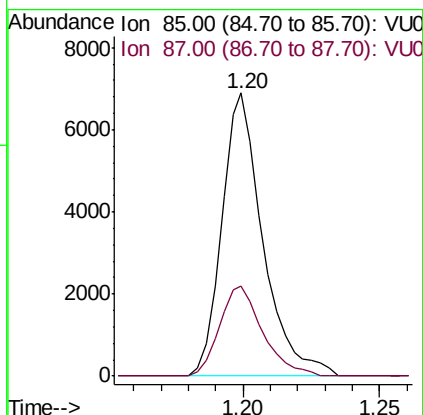
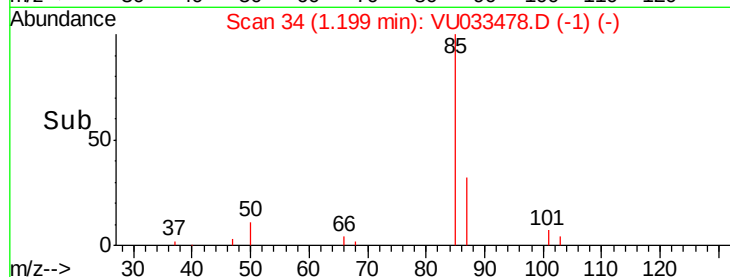
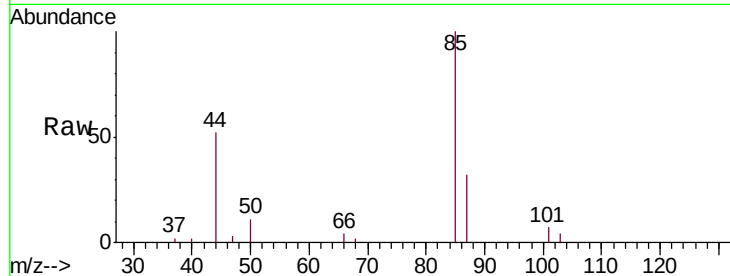
MDL02

Tgt Ion: 85 Resp: 7209

Ion Ratio Lower Upper

85 100

87 33.4 25.7 38.5



#3

Chloromethane

Concen: 2.659 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033478.D

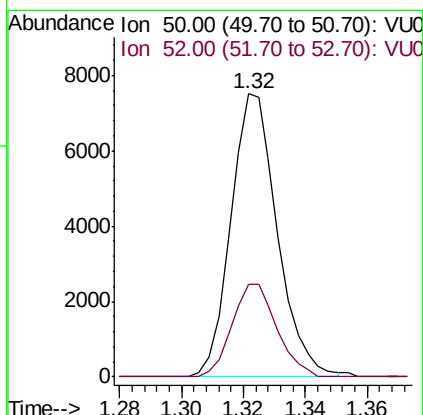
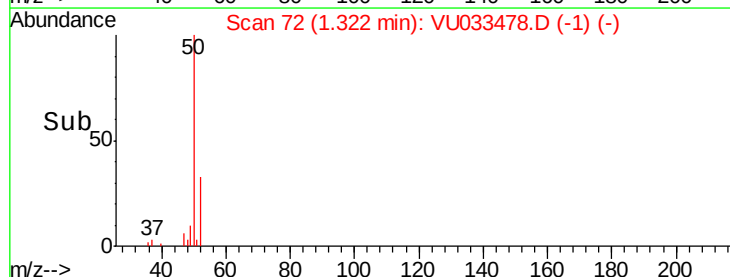
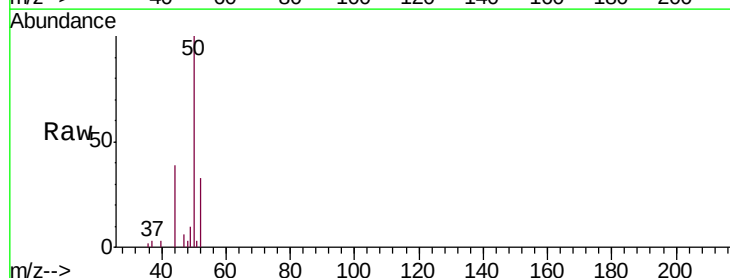
Acq: 29 Jul 2019 19:15

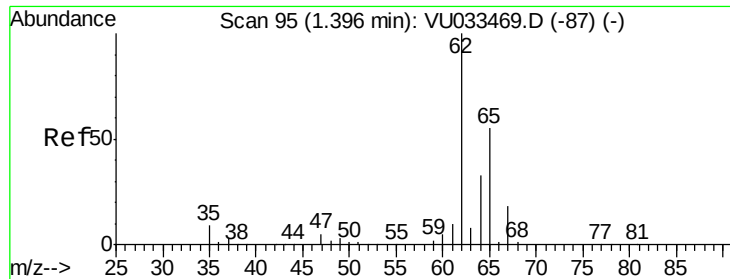
Tgt Ion: 50 Resp: 7808

Ion Ratio Lower Upper

50 100

52 32.7 23.3 43.3





#5

Vinyl chloride

Concen: 2.528 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

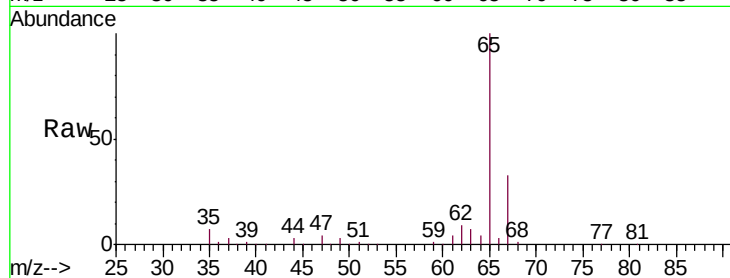
MDL02

Tgt Ion: 62 Resp: 8490

Ion Ratio Lower Upper

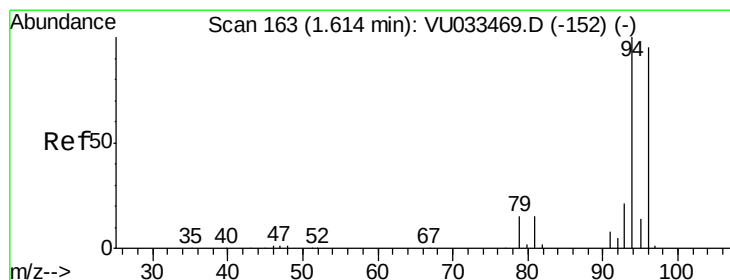
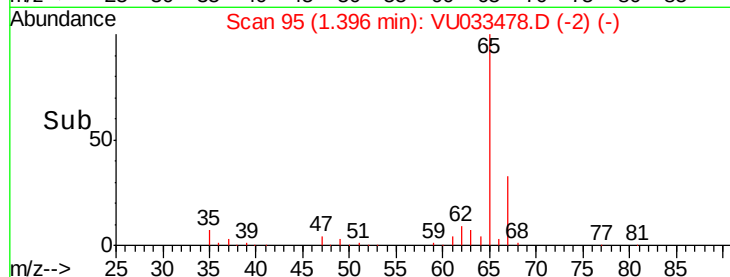
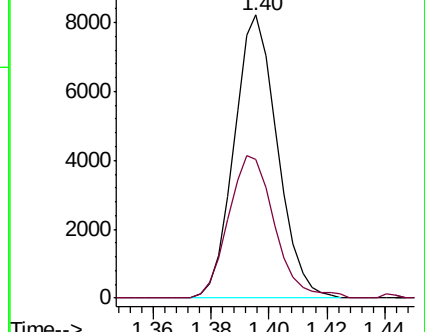
62 100

64 49.1 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU033469.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033469.D (-87) (-)



#6

Bromomethane

Concen: 2.466 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU033478.D

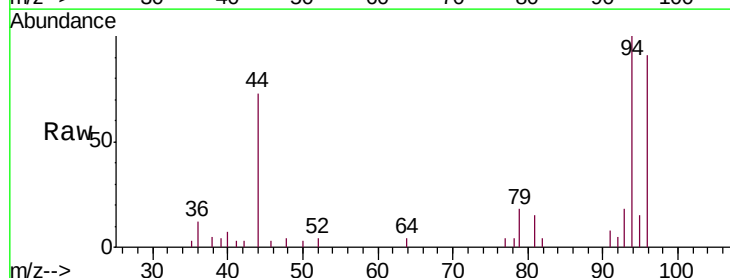
Acq: 29 Jul 2019 19:15

Tgt Ion: 94 Resp: 5788

Ion Ratio Lower Upper

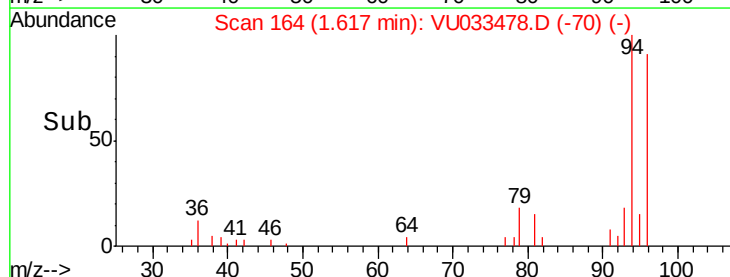
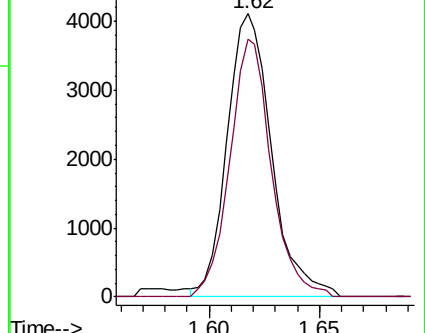
94 100

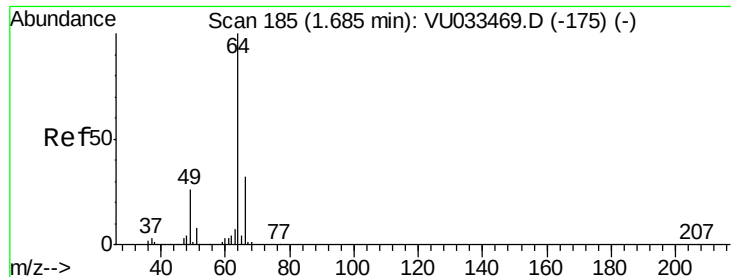
96 91.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU033469.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU033469.D (-152) (-)





#8

Chloroethane

Concen: 2.600 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

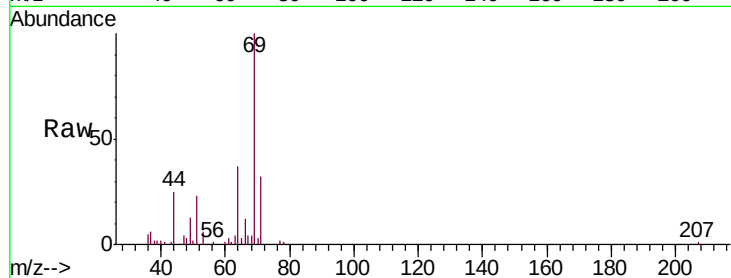
MDL02

Tgt Ion: 64 Resp: 5355

Ion Ratio Lower Upper

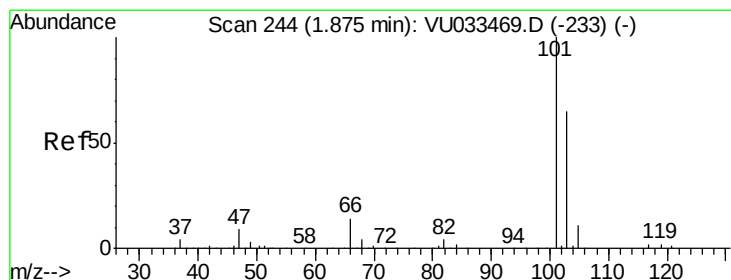
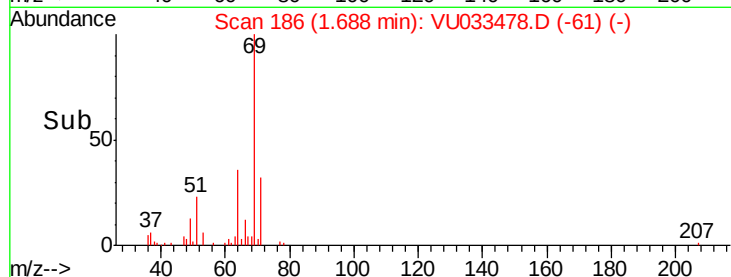
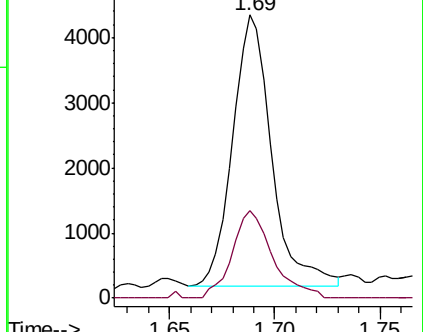
64 100

66 30.8 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU033469.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033469.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 2.563 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033478.D

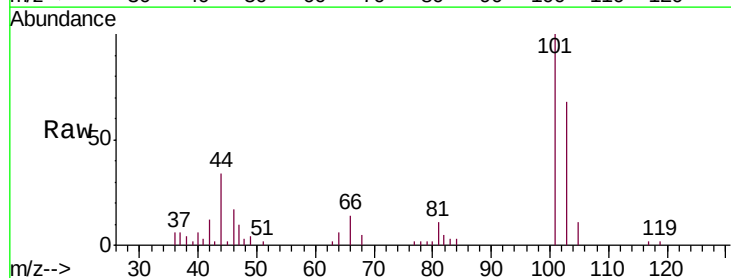
Acq: 29 Jul 2019 19:15

Tgt Ion: 101 Resp: 11287

Ion Ratio Lower Upper

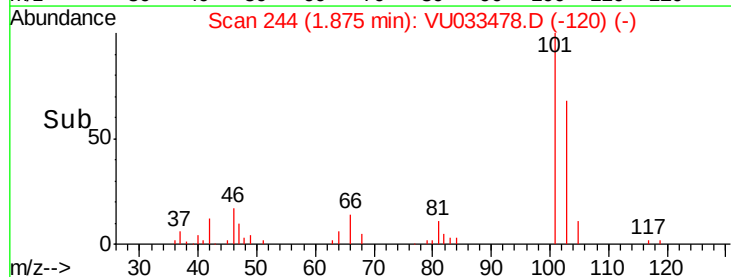
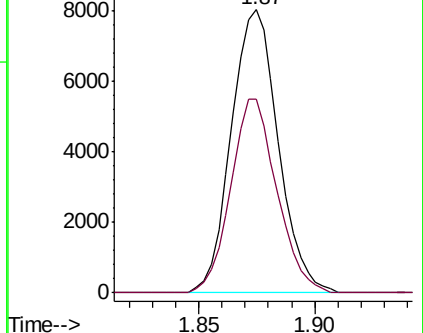
101 100

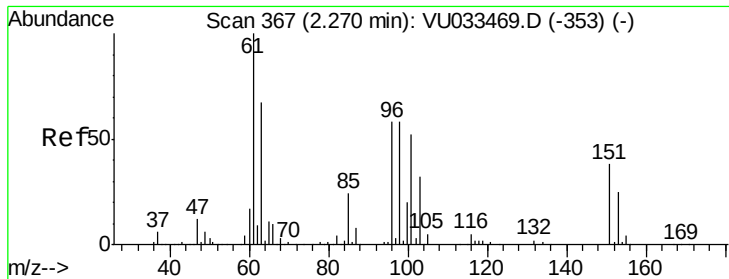
103 67.2 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU033469.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033469.D (-233) (-)





#10

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

Concen: 3.081 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033478.D

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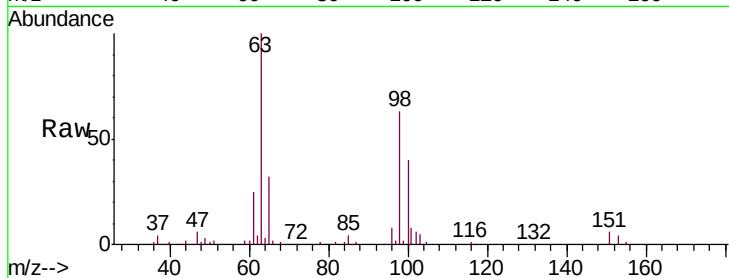
Tgt Ion:101 Resp: 6819

Ion Ratio Lower Upper

101 100

85 33.9 35.8 53.8#

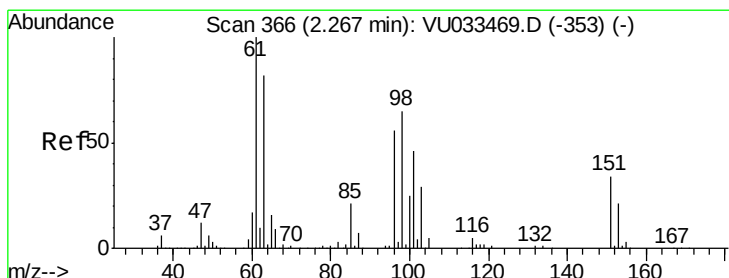
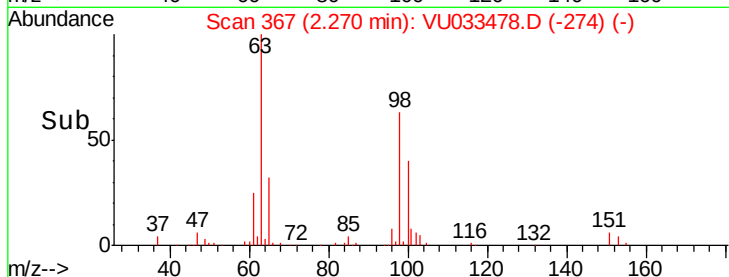
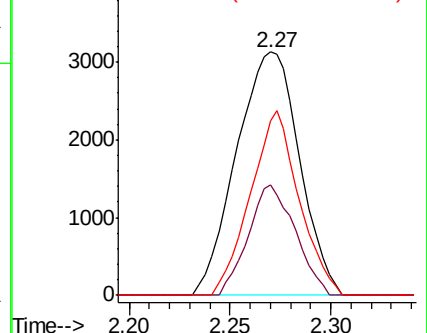
151 58.6 58.6 87.8



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: 2.795 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

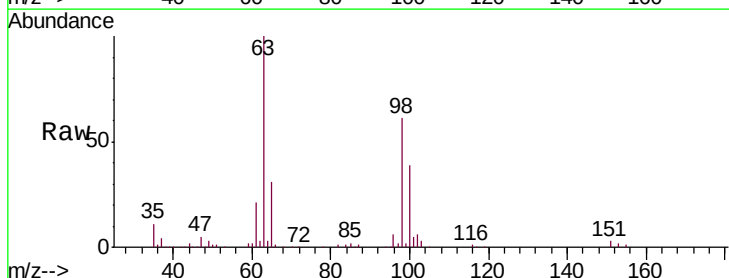
Tgt Ion: 96 Resp: 6028

Ion Ratio Lower Upper

96 100

61 370.9 124.1 230.5#

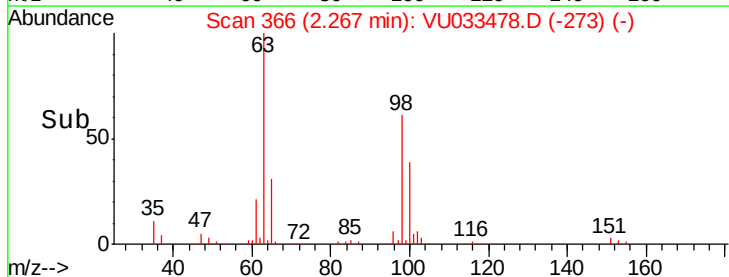
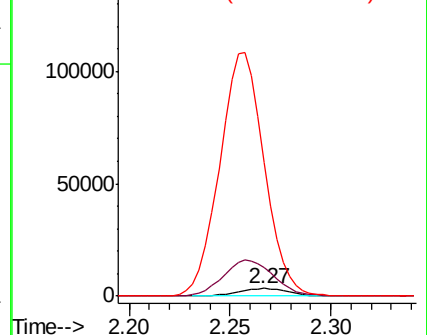
63 1754.3 101.8 189.2#

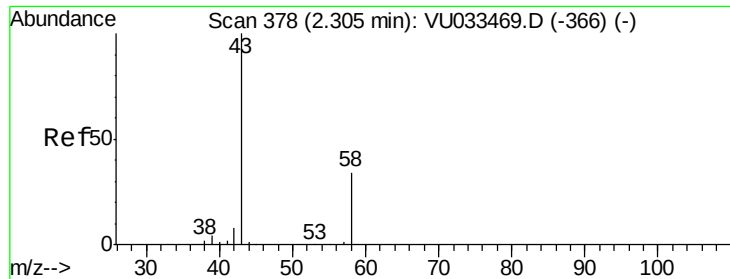


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.137 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

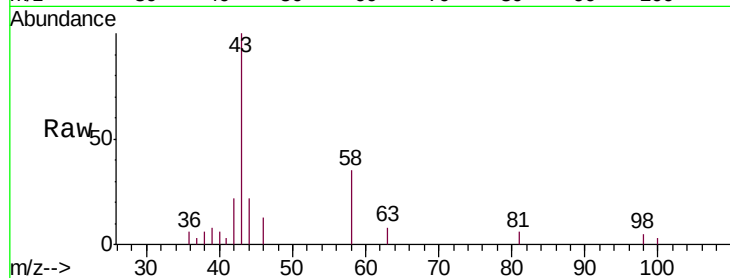
MDL02

Tgt Ion: 43 Resp: 6288

Ion Ratio Lower Upper

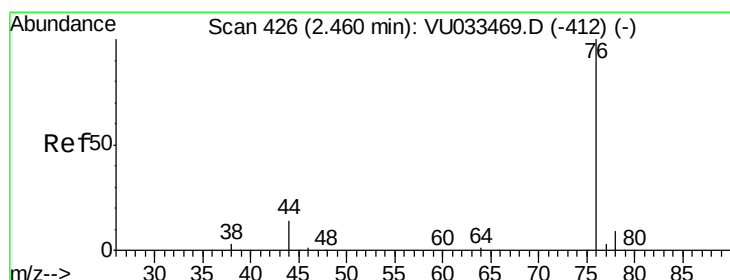
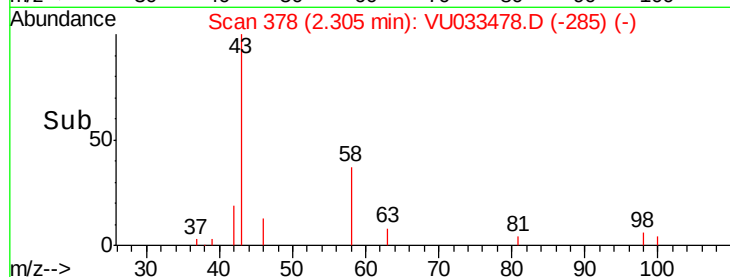
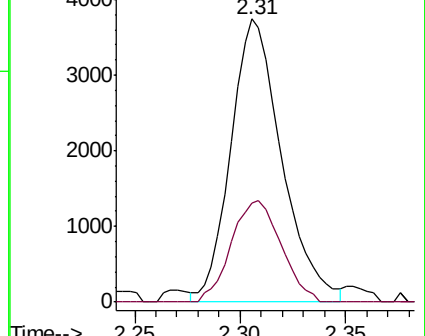
43 100

58 35.1 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VU033469.D (-366) (-)

Ion 58.00 (57.70 to 58.70): VU033469.D (-366) (-)



#14

Carbon disulfide

Concen: 2.388 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033478.D

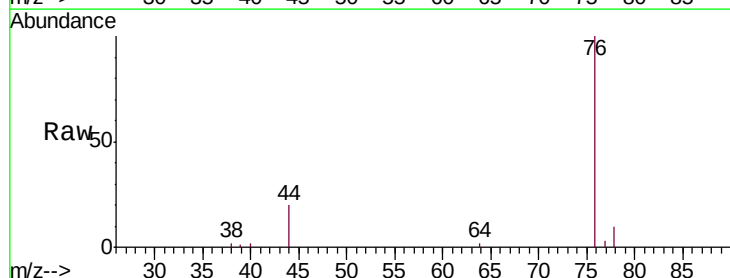
Acq: 29 Jul 2019 19:15

Tgt Ion: 76 Resp: 15342

Ion Ratio Lower Upper

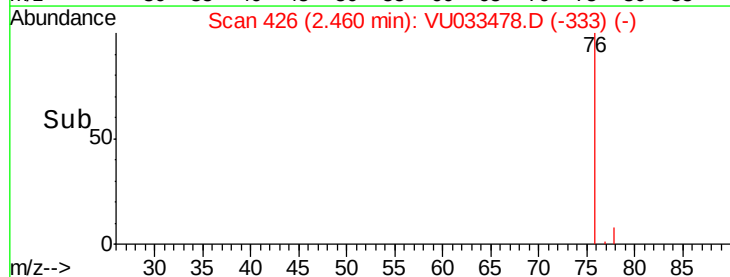
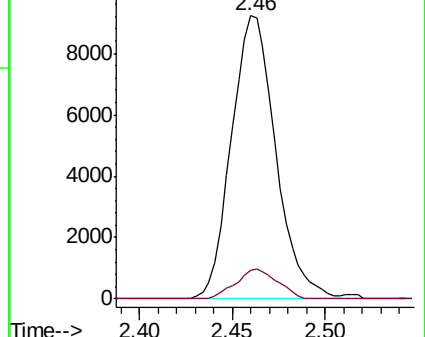
76 100

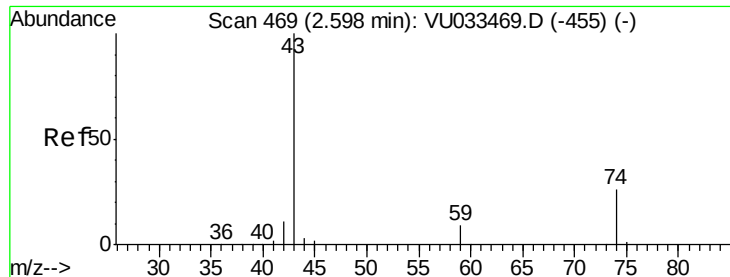
78 10.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033469.D (-412) (-)

Ion 78.00 (77.70 to 78.70): VU033469.D (-412) (-)





#15

Methyl Acetate

Concen: 2.339 ug/L

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

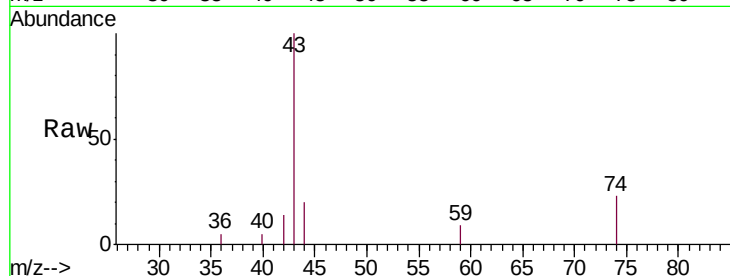
MDL02

Tgt Ion: 43 Resp: 5701

Ion Ratio Lower Upper

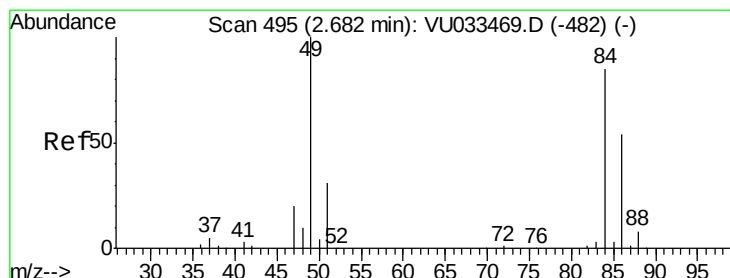
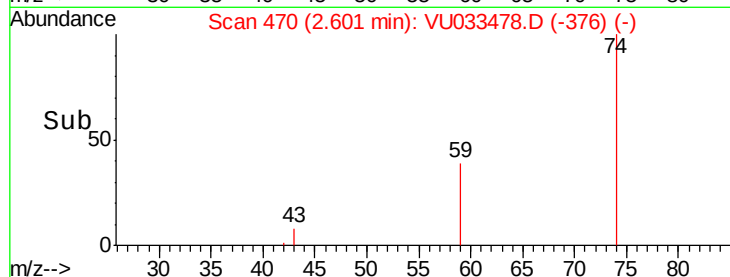
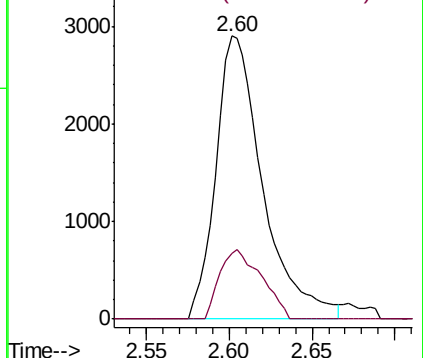
43 100

74 22.0 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033478.D (-470) (-)

Ion 74.00 (73.70 to 74.70): VU033478.D (-470) (-)



#16

Methylene chloride

Concen: 2.548 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

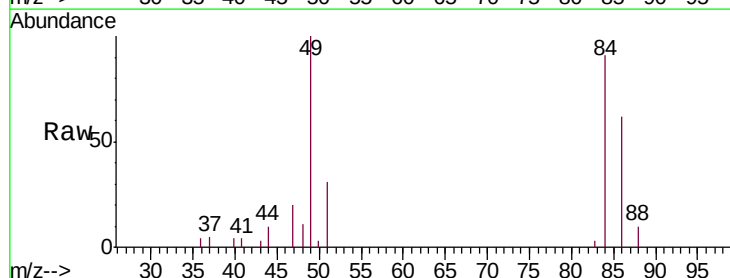
Tgt Ion: 84 Resp: 6037

Ion Ratio Lower Upper

84 100

86 68.6 44.2 82.0

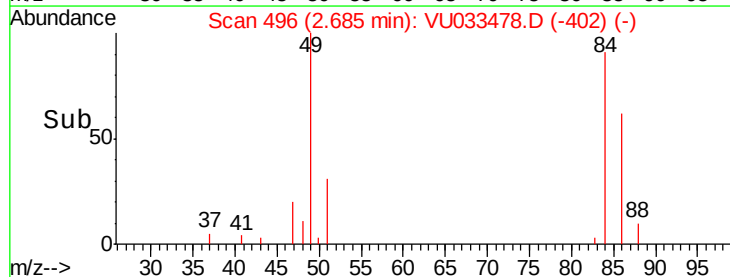
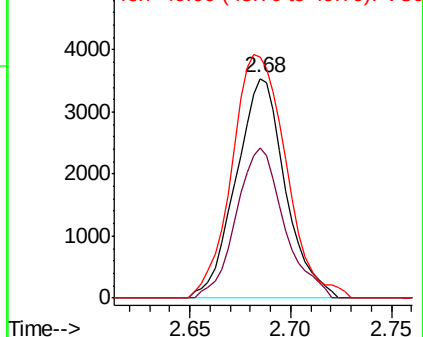
49 110.0 82.3 152.8

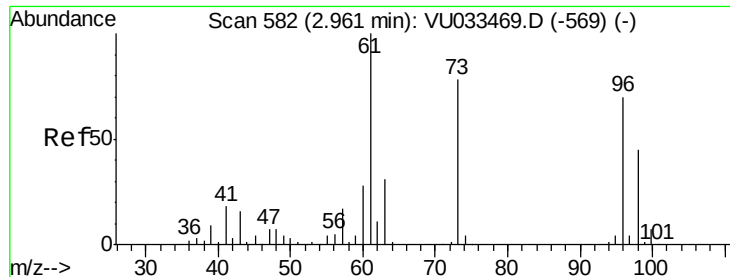


Abundance Ion 84.00 (83.70 to 84.70): VU033478.D (-496) (-)

Ion 86.00 (85.70 to 86.70): VU033478.D (-496) (-)

Ion 49.00 (48.70 to 49.70): VU033478.D (-496) (-)





#17

trans-1,2-Dichloroethene

Concen: 2.473 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

MDL02

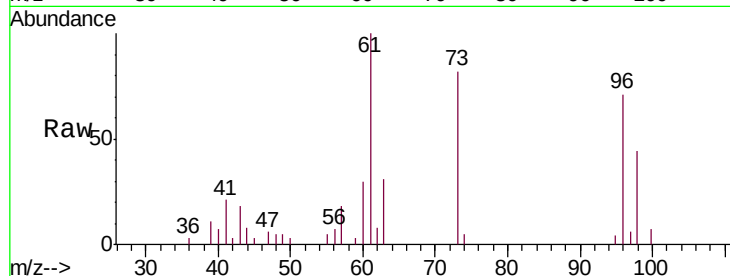
Tgt Ion: 96 Resp: 5297

Ion Ratio Lower Upper

96 100

61 140.8 100.3 186.3

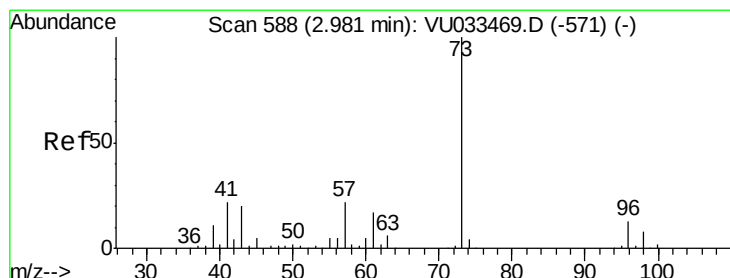
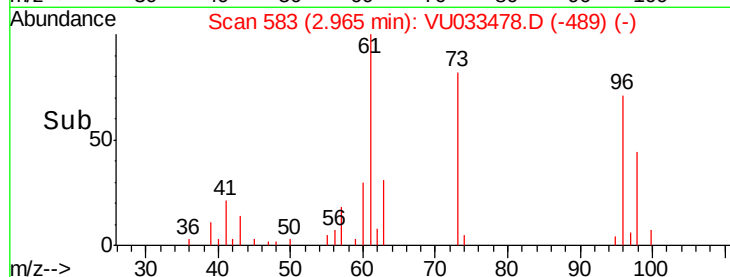
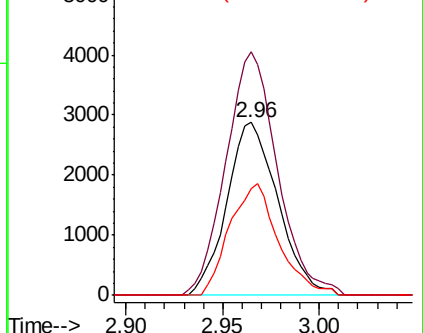
98 61.6 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU033469.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033469.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033469.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 2.245 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

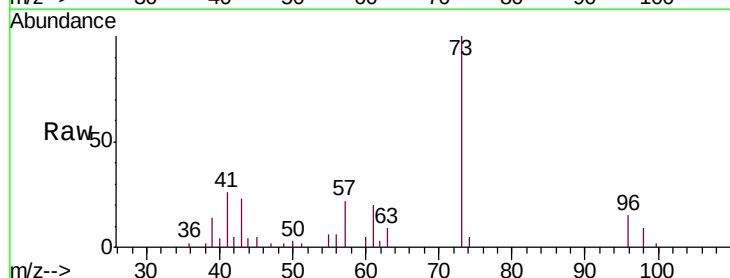
Tgt Ion: 73 Resp: 14189

Ion Ratio Lower Upper

73 100

43 21.4 15.3 22.9

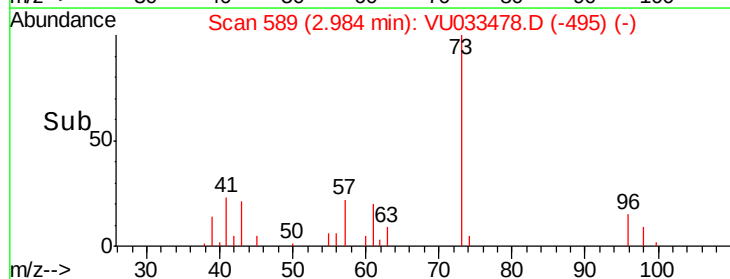
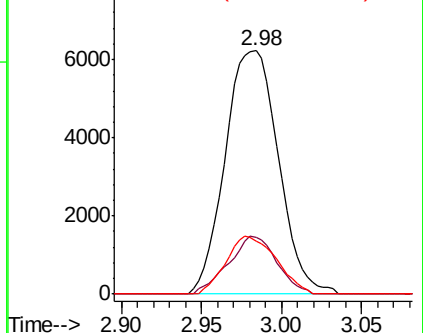
57 22.3 17.7 26.5

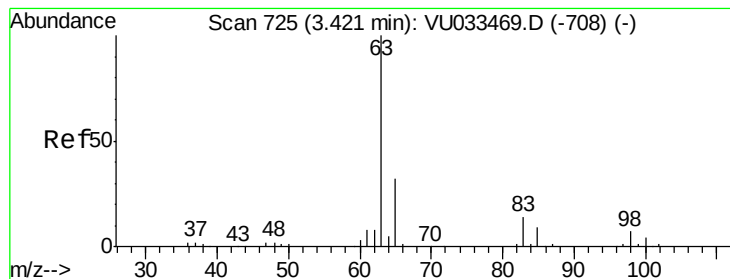


Abundance Ion 73.00 (72.70 to 73.70): VU033469.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033469.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033469.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 2.439 ug/L

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

MDL02

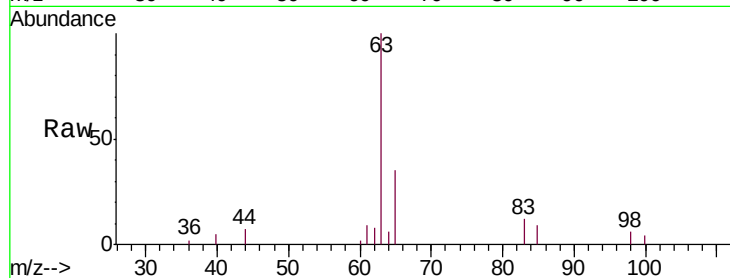
Tgt Ion: 63 Resp: 9838

Ion Ratio Lower Upper

63 100

65 34.5 22.7 42.1

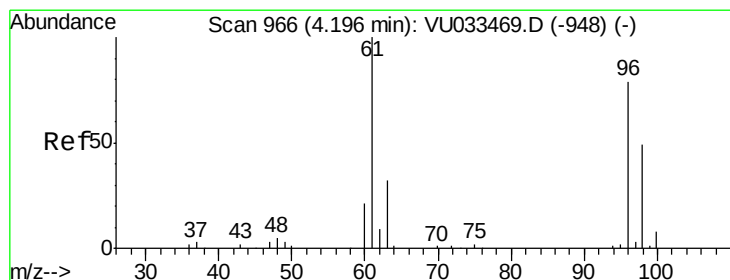
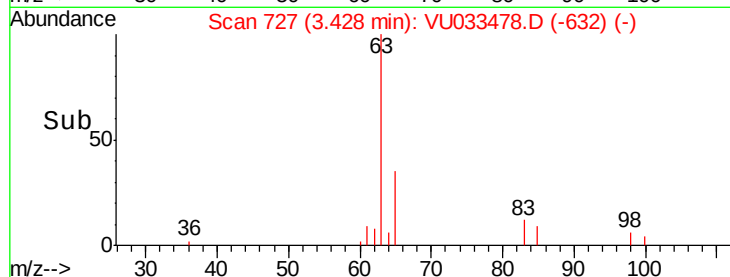
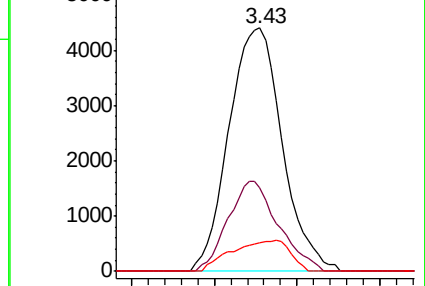
83 12.0 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU033469.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU033469.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU033469.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.505 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

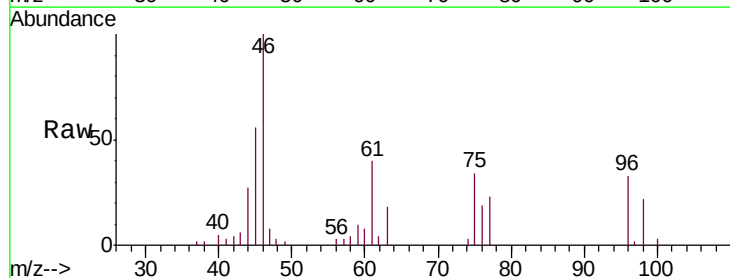
Tgt Ion: 96 Resp: 5923

Ion Ratio Lower Upper

96 100

61 122.2 88.9 165.1

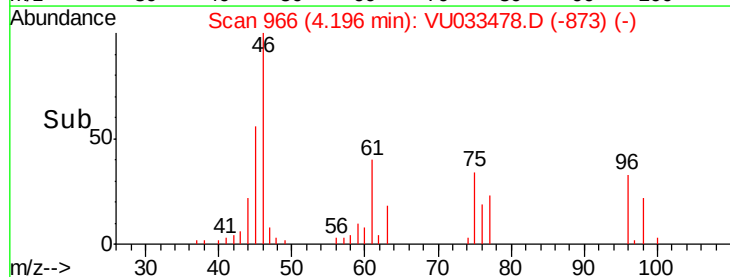
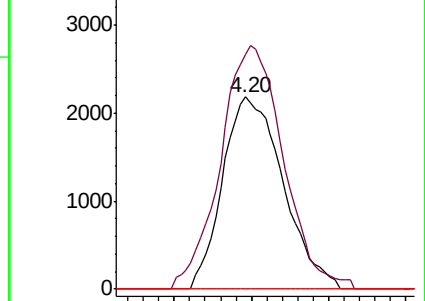
68 0.0 0.0 0.0

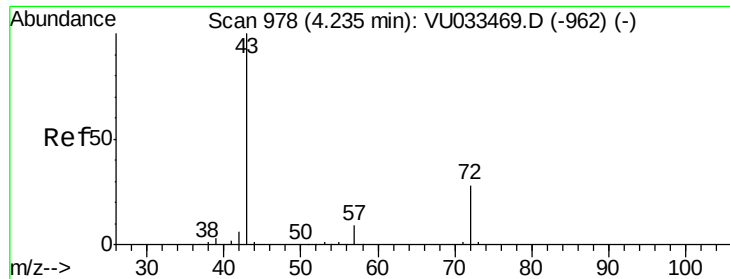


Abundance Ion 96.00 (95.70 to 96.70): VU033469.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU033469.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU033469.D (-948) (-)





#22

2-Butanone

Concen: 3.210 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampled :

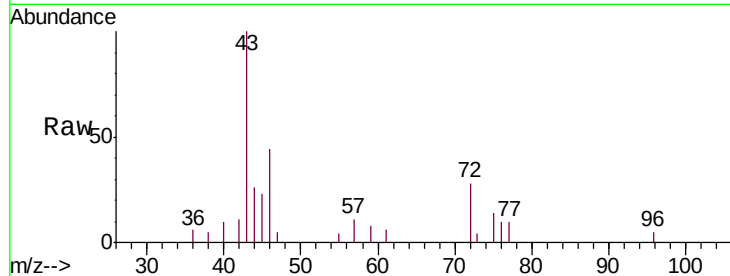
MDL02

Tgt Ion: 43 Resp: 5797

Ion Ratio Lower Upper

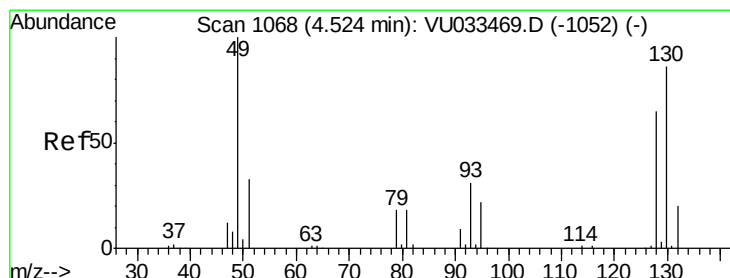
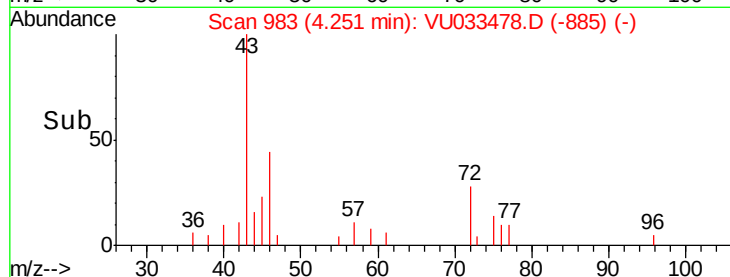
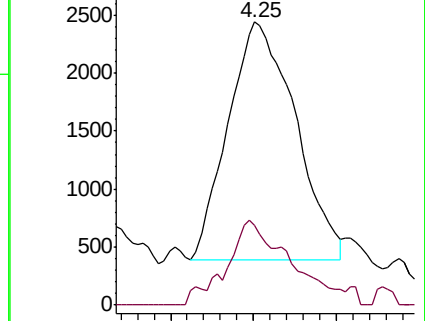
43 100

72 10.5 14.1 42.3#



Abundance Ion 43.00 (42.70 to 43.70): VU033469.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU033469.D (-962) (-)



#23

Bromochloromethane

Concen: 2.363 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Tgt Ion: 128 Resp: 2967

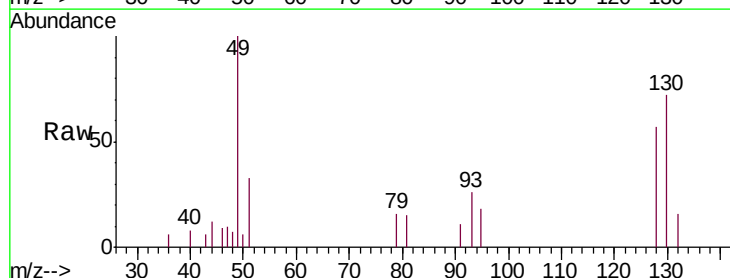
Ion Ratio Lower Upper

128 100

49 176.1 108.0 200.6

130 127.6 92.9 172.5

51 58.9 40.2 60.4

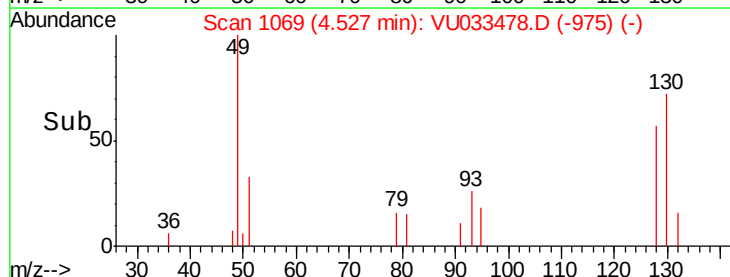
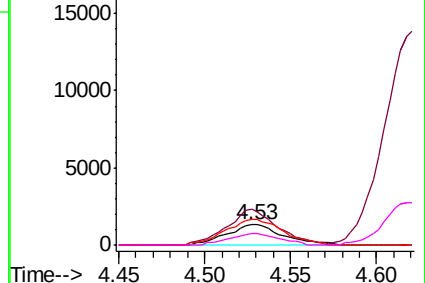


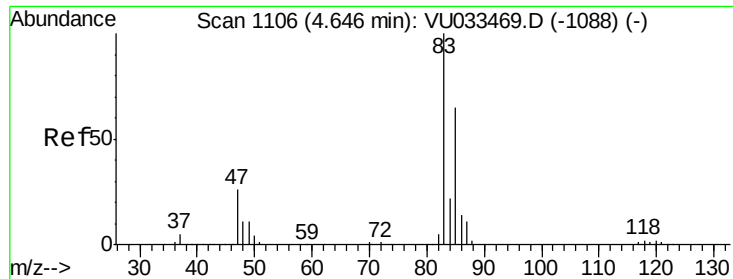
Abundance Ion 128.00 (127.70 to 128.70): VU033469.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033469.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033469.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033469.D (-1052) (-)

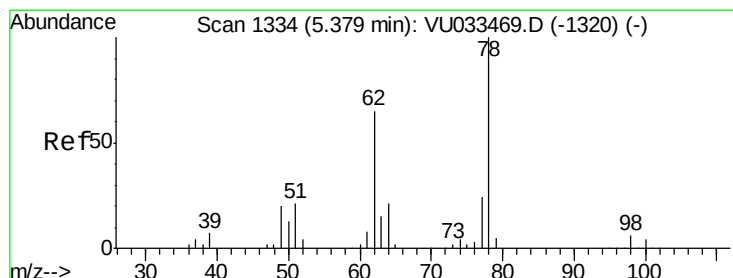
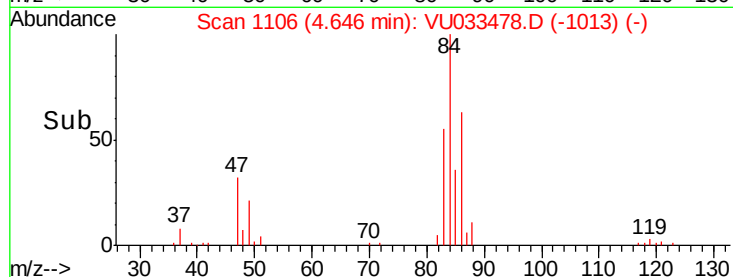
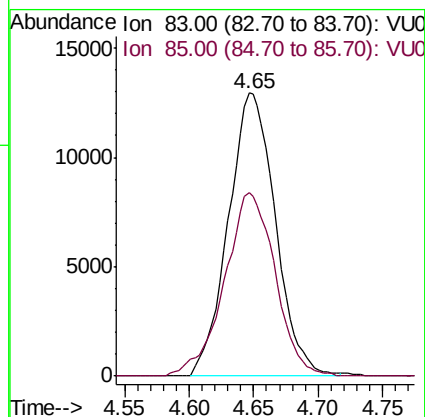
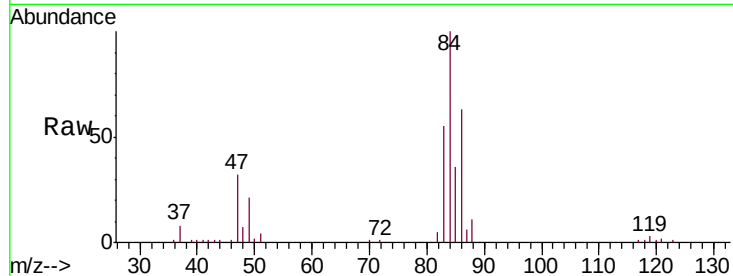




#25
Chloroform
Concen: 7.681 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033478.D
Acq: 29 Jul 2019 19:15

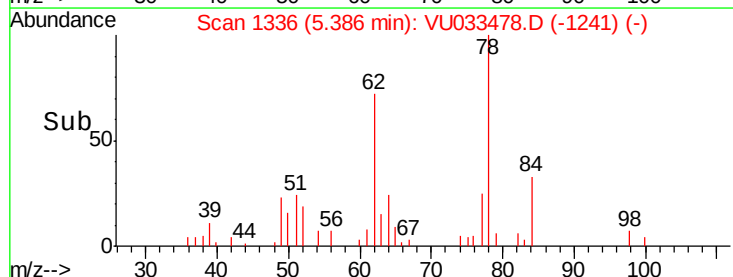
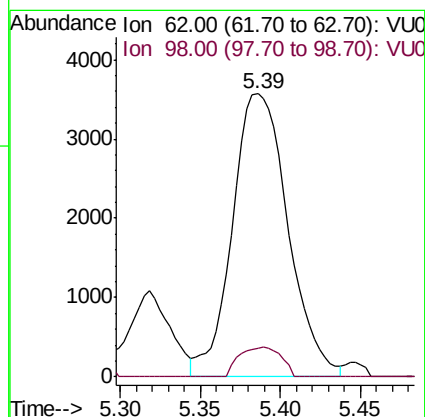
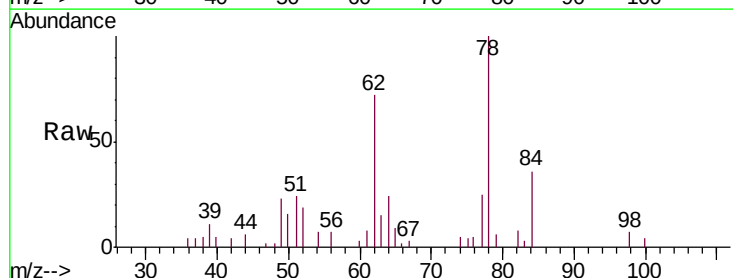
Instrument :
MSVOA_U
ClientSampleId :
MDL02

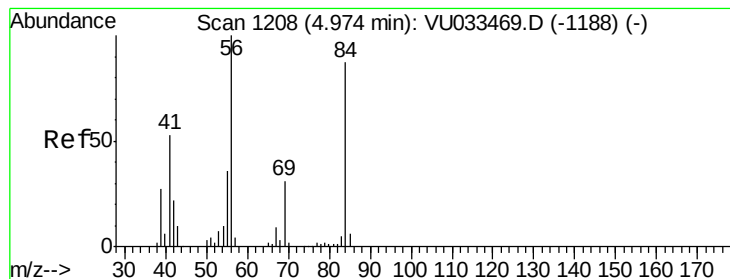
Tgt Ion: 83 Resp: 32844
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.562 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033478.D
Acq: 29 Jul 2019 19:15

Tgt Ion: 62 Resp: 8508
Ion Ratio Lower Upper
62 100
98 10.3 6.7 10.1#





#29

Cyclohexane

Concen: 2.119 ug/L

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

MDL02

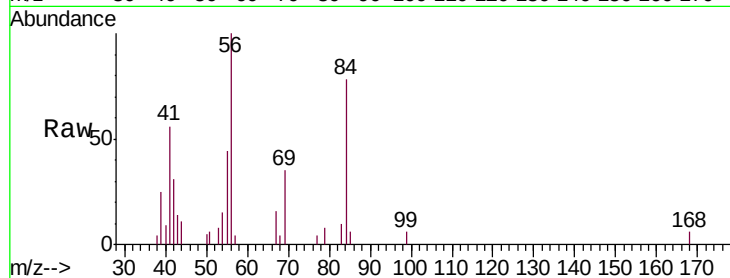
Tgt Ion: 56 Resp: 6866

Ion Ratio Lower Upper

56 100

69 31.4 25.3 37.9

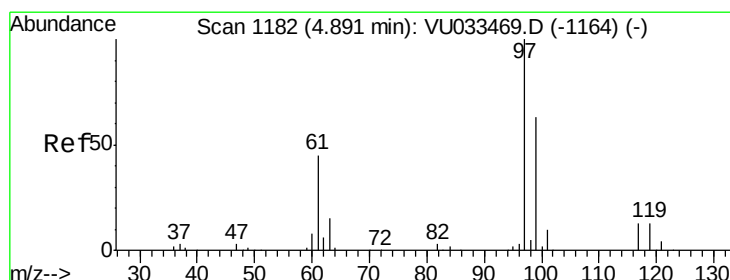
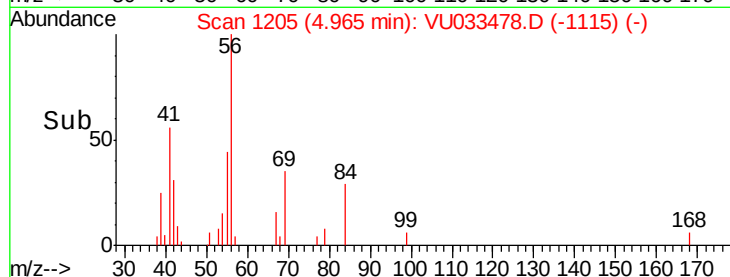
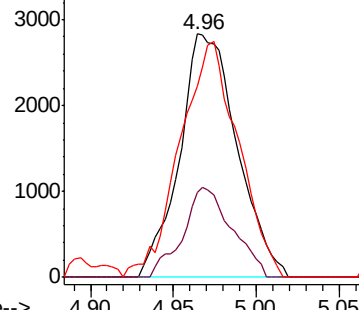
84 96.2 69.6 104.4



Abundance Ion 56.00 (55.70 to 56.70): VU033469.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU033469.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU033469.D (-1188) (-)



#30

1,1,1-Trichloroethane

Concen: 2.490 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

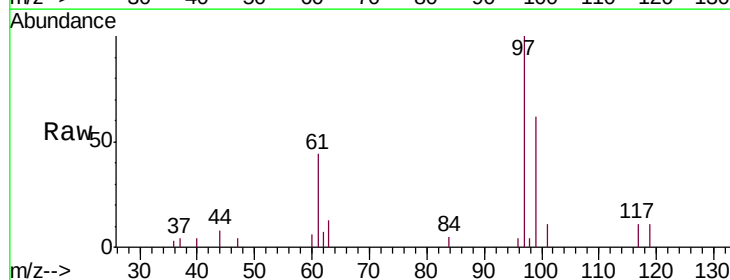
Tgt Ion: 97 Resp: 8746

Ion Ratio Lower Upper

97 100

99 62.9 51.8 77.6

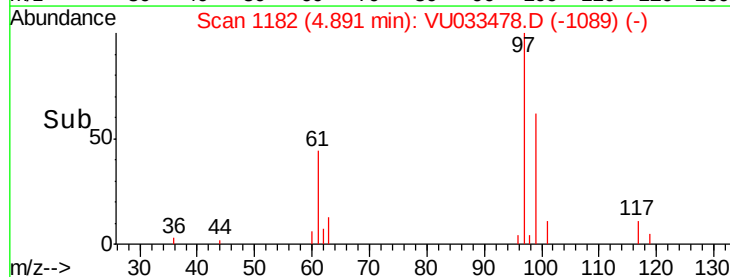
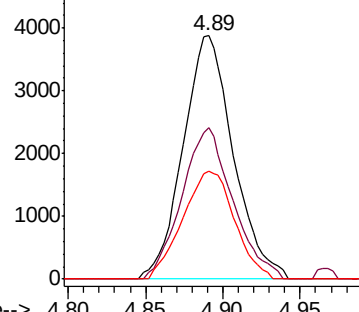
61 45.8 36.2 54.2

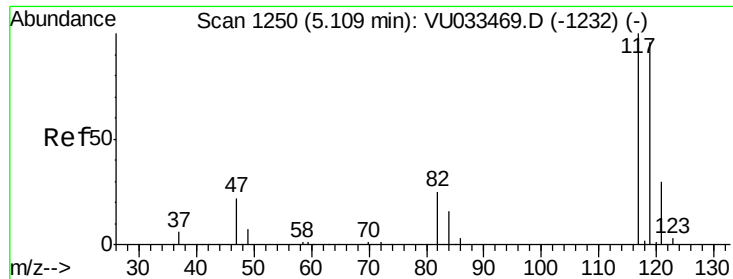


Abundance Ion 97.00 (96.70 to 97.70): VU033469.D (-1164) (-)

Ion 99.00 (98.70 to 99.70): VU033469.D (-1164) (-)

Ion 61.05 (60.75 to 61.75): VU033469.D (-1164) (-)





#31

Carbon tetrachloride

Concen: 2.464 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

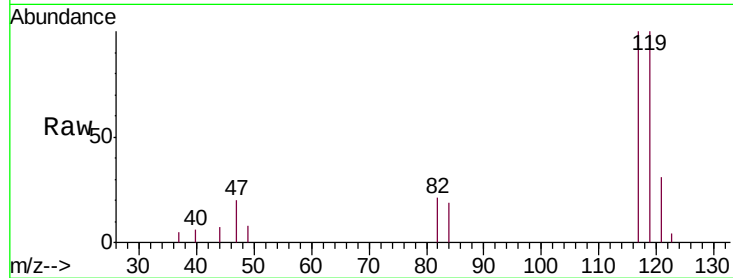
MDL02

Tgt Ion:117 Resp: 7702

Ion Ratio Lower Upper

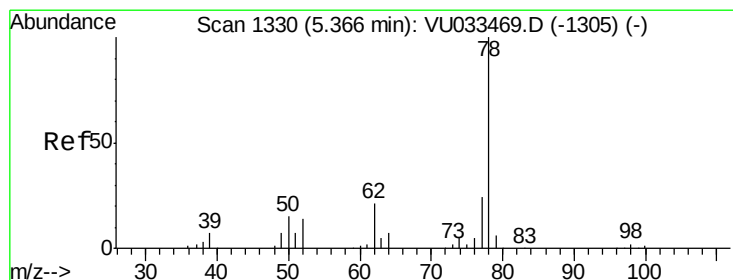
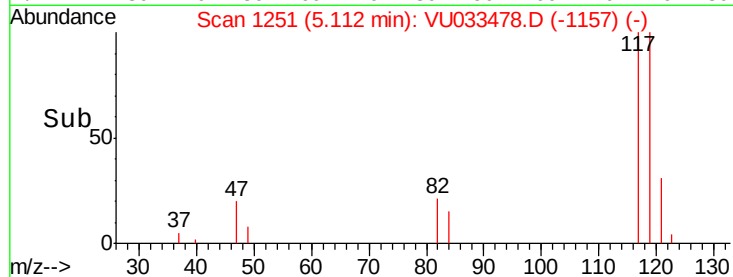
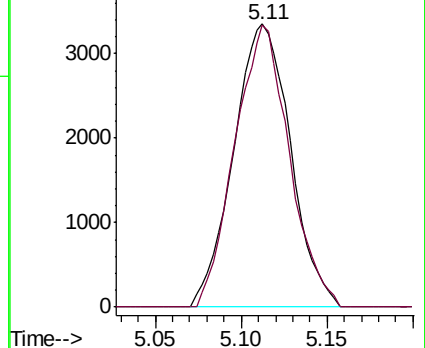
117 100

119 95.3 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.526 ug/L

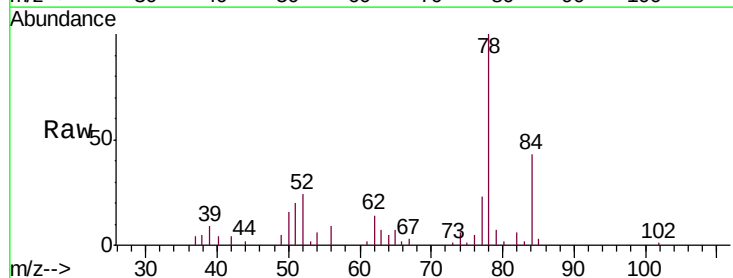
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

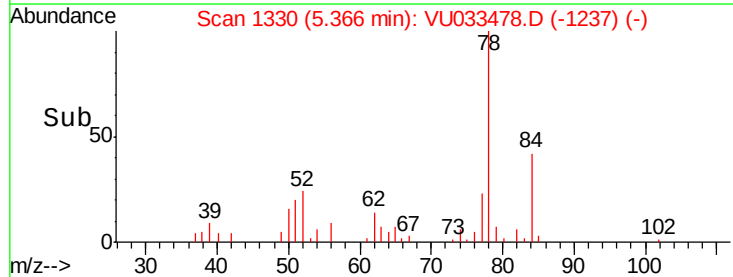
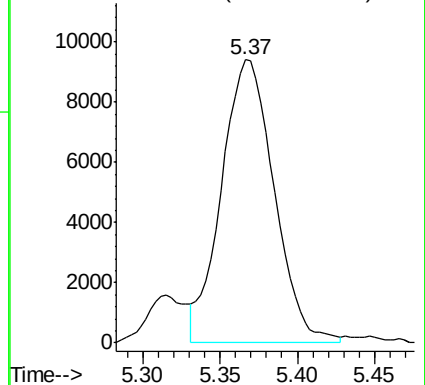
Lab File: VU033478.D

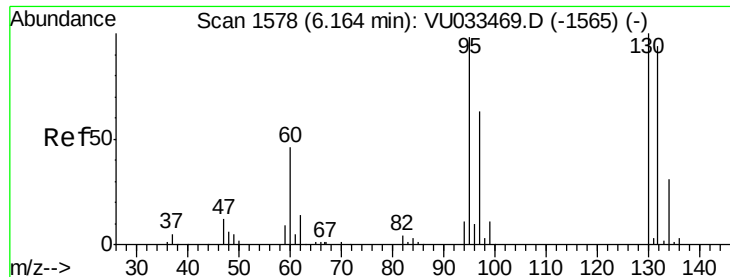
Acq: 29 Jul 2019 19:15

Tgt Ion: 78 Resp: 22270



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 2.533 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 95 Resp: 5817

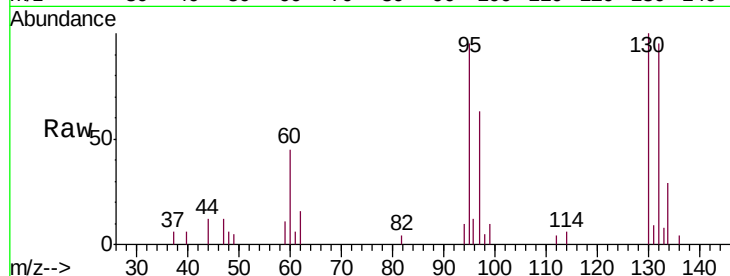
Ion Ratio Lower Upper

95 100

97 66.6 45.4 84.2

132 100.7 67.1 124.5

130 105.7 71.4 132.6

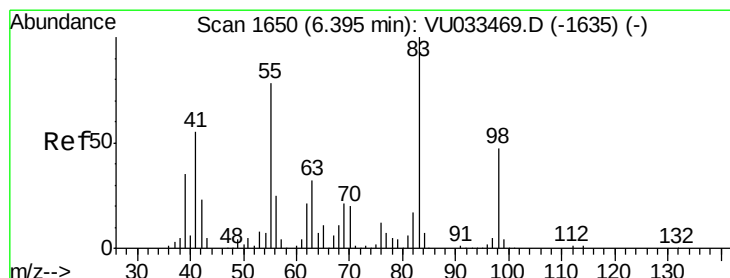
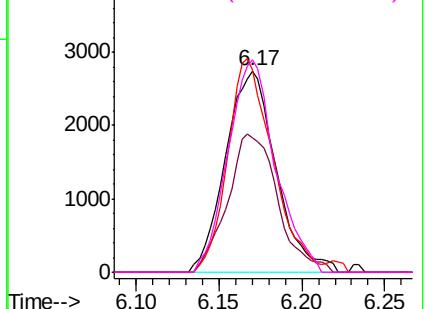
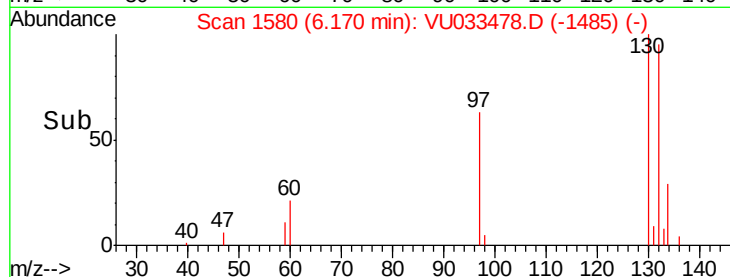


Abundance Ion 95.00 (94.70 to 95.70): VU033469.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033469.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033469.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033469.D (-1565) (-)



#35

Methylcyclohexane

Concen: 2.295 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

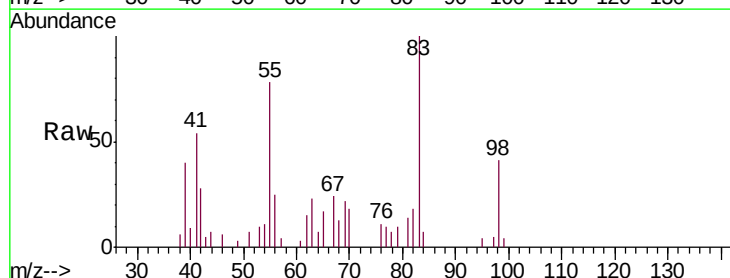
Tgt Ion: 83 Resp: 8015

Ion Ratio Lower Upper

83 100

55 77.3 62.4 93.6

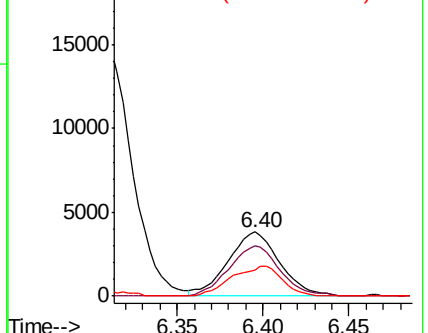
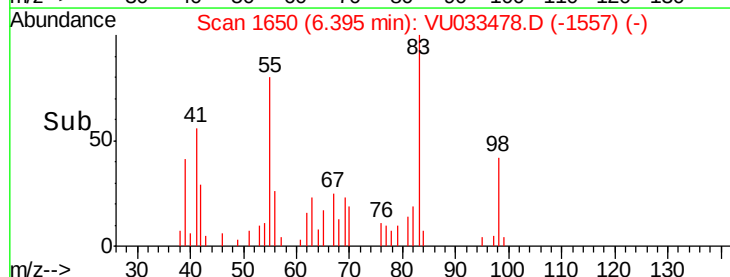
98 45.3 37.3 55.9

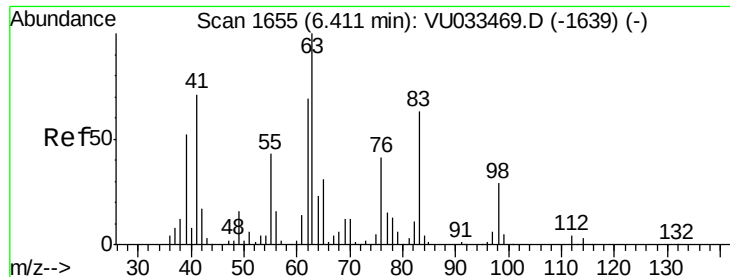


Abundance Ion 83.00 (82.70 to 83.70): VU033469.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU033469.D (-1635) (-)

Ion 98.00 (97.70 to 98.70): VU033469.D (-1635) (-)

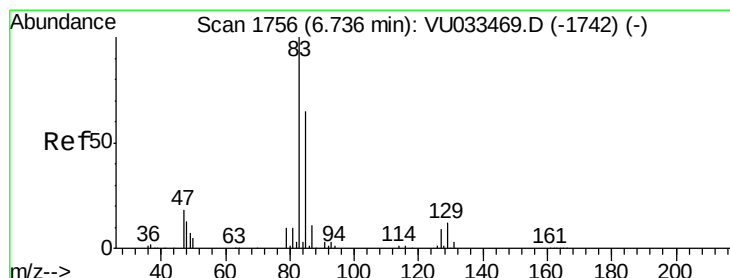
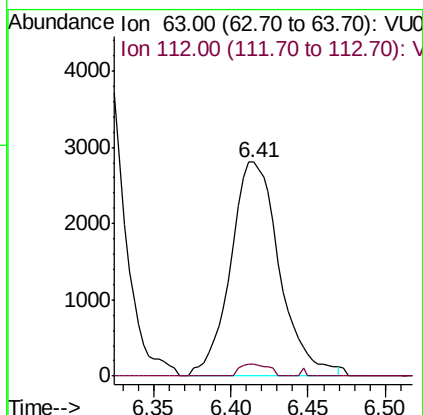
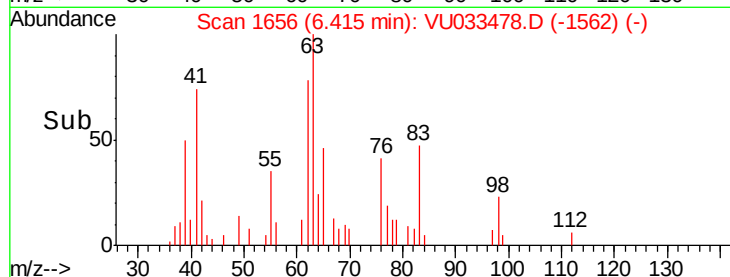
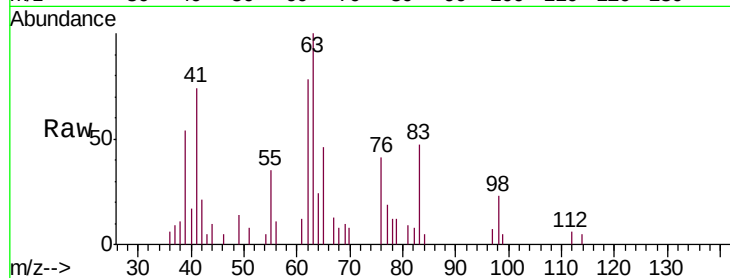




#37
 1,2-Dichloropropane
 Concen: 2.607 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

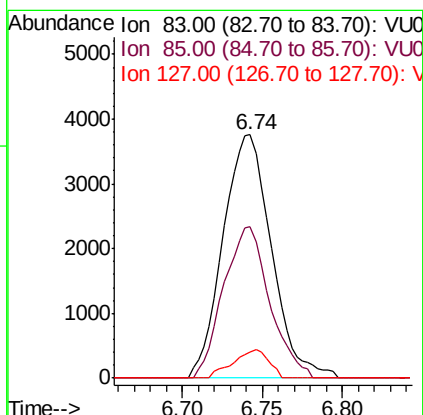
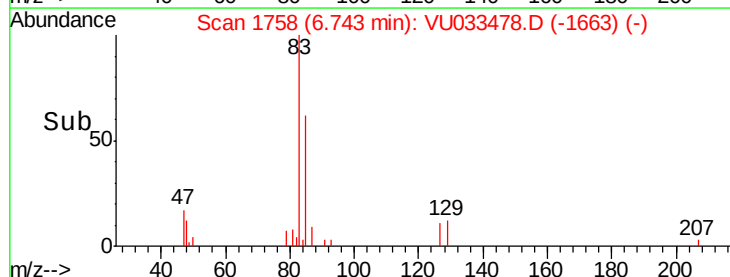
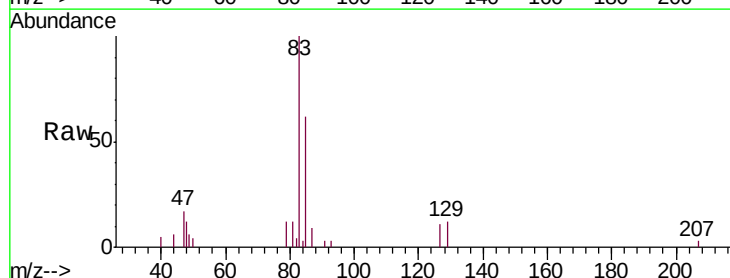
Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

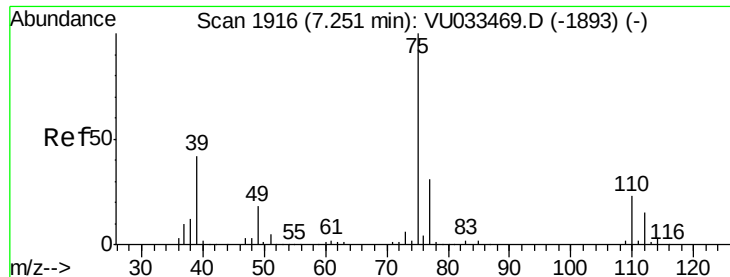
Tgt Ion: 63 Resp: 6182
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.1 4.7



#38
 Bromodichloromethane
 Concen: 2.497 ug/L
 RT: 6.74 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

Tgt Ion: 83 Resp: 7793
 Ion Ratio Lower Upper
 83 100
 85 62.0 45.4 84.4
 127 10.9 7.3 10.9

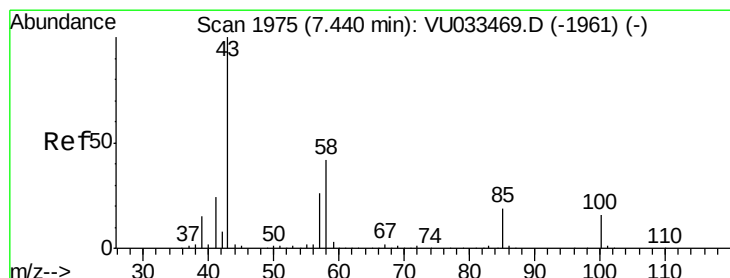
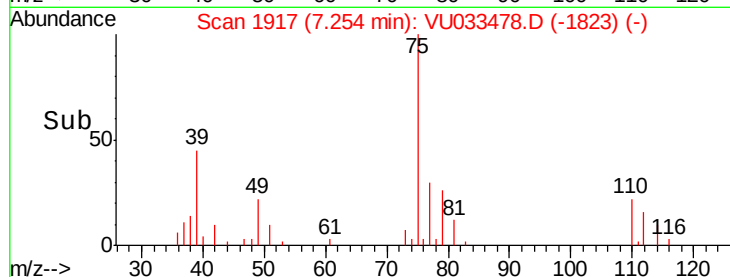
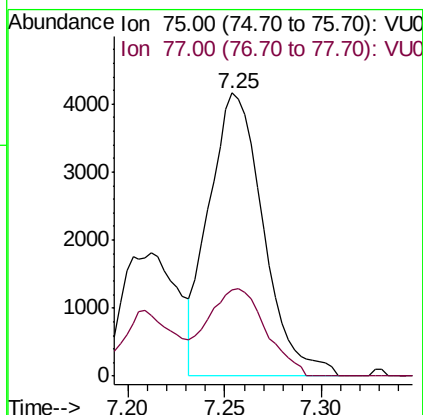
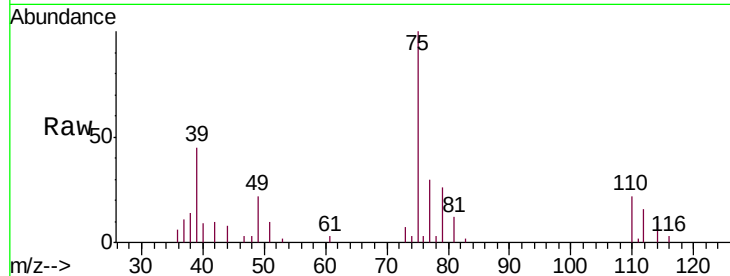




#39
 cis-1,3-Dichloropropene
 Concen: 2.305 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

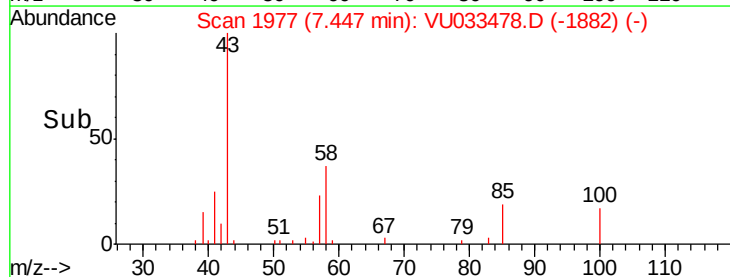
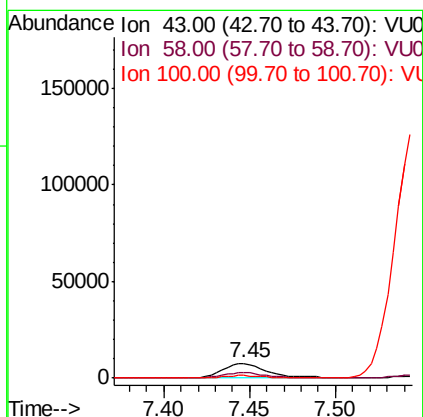
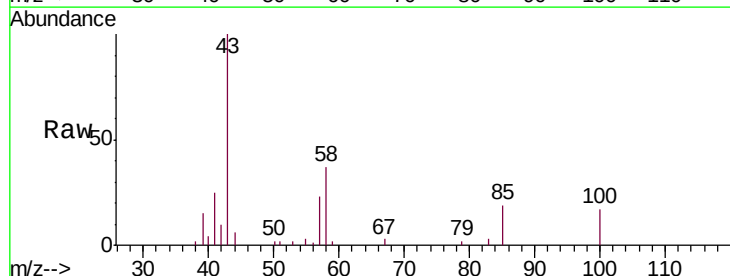
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

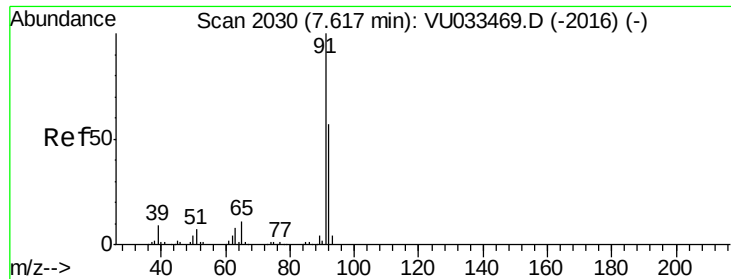
Tgt Ion: 75 Resp: 8148
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 4.448 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

Tgt Ion: 43 Resp: 13897
 Ion Ratio Lower Upper
 43 100
 58 37.4 33.4 50.2
 100 14.7 12.3 18.5





#42

Toluene

Concen: 2.450 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

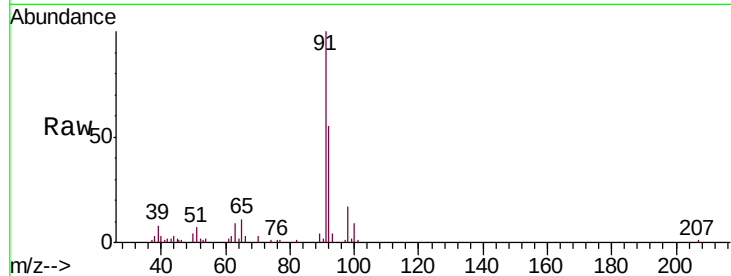
MDL02

Tgt Ion: 91 Resp: 23246

Ion Ratio Lower Upper

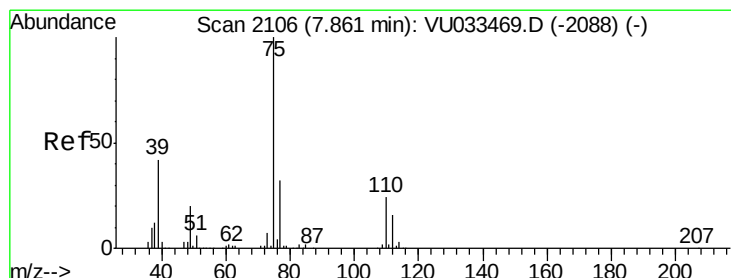
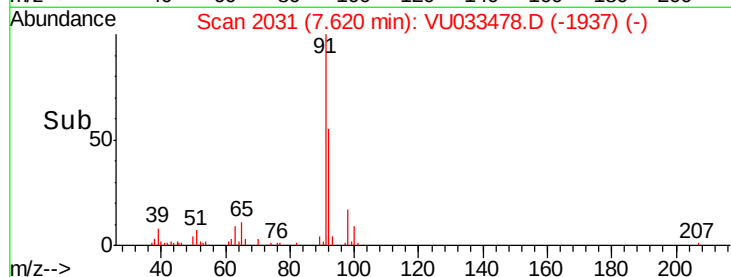
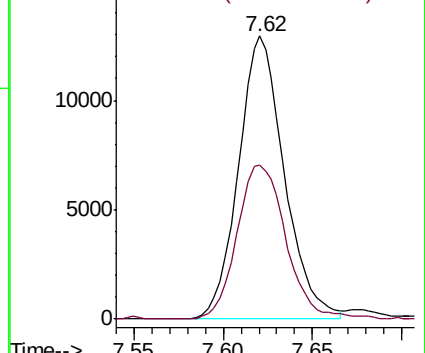
91 100

92 54.5 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU033469.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033469.D (-2016) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.335 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033478.D

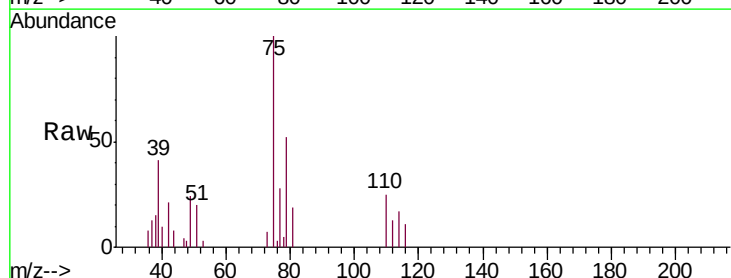
Acq: 29 Jul 2019 19:15

Tgt Ion: 75 Resp: 7492

Ion Ratio Lower Upper

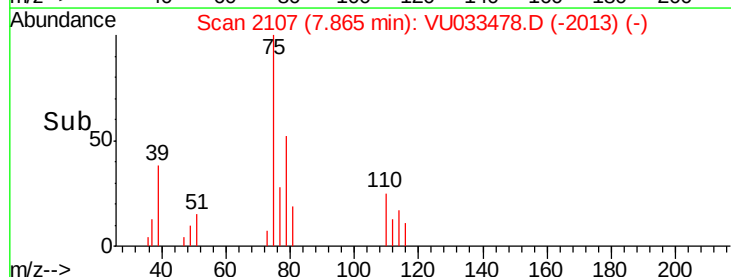
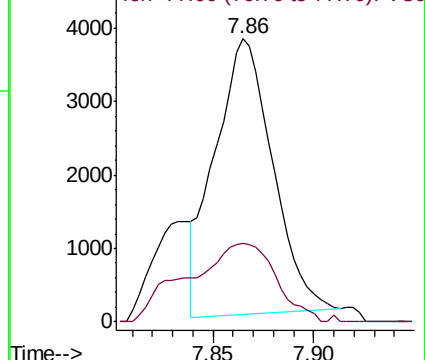
75 100

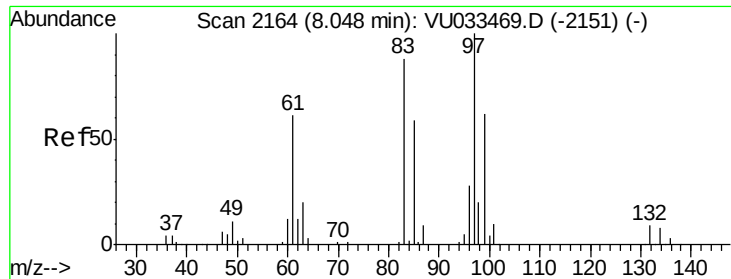
77 27.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU033469.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033469.D (-2088) (-)

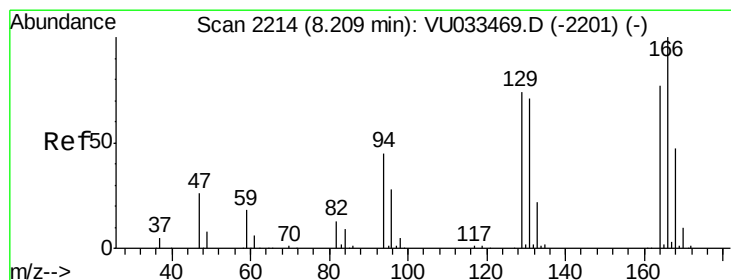
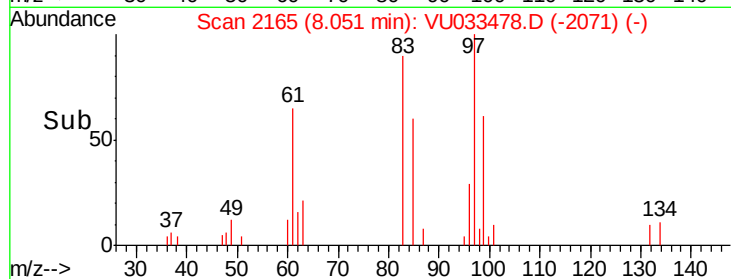
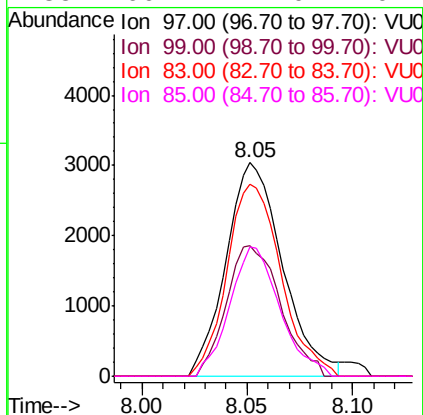
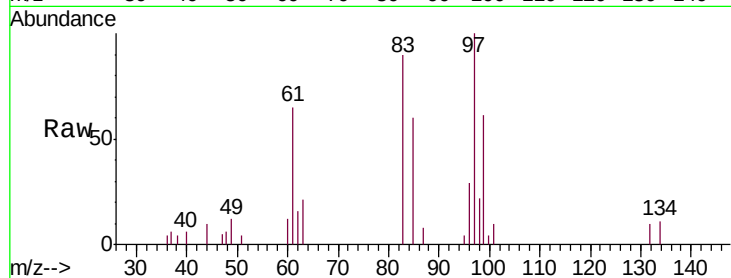




#45
 1,1,2-Trichloroethane
 Concen: 2.510 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

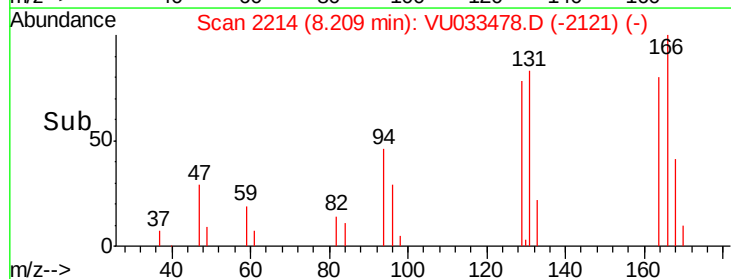
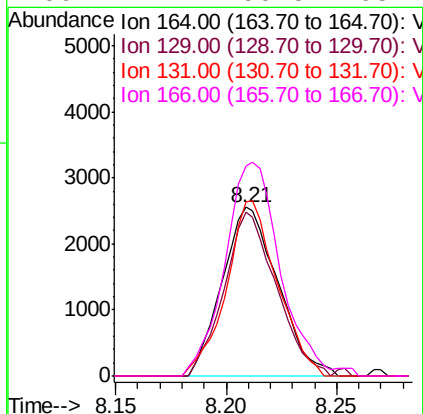
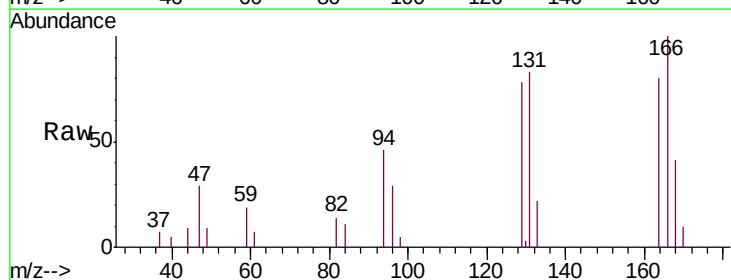
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

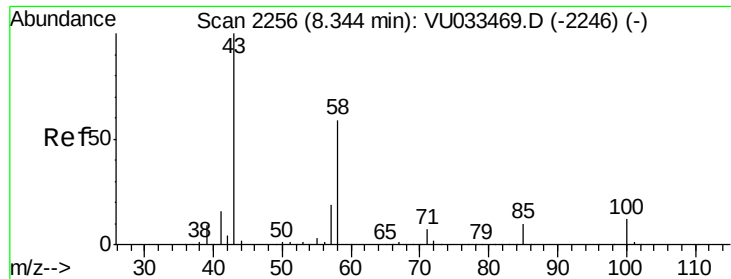
Tgt Ion:	97	Resp:	5675
Ion	Ratio	Lower	Upper
97	100		
99	61.1	43.3	80.5
83	90.0	61.3	113.9
85	60.4	41.0	76.2



#46
 Tetrachloroethene
 Concen: 2.398 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

Tgt Ion:	164	Resp:	4483
Ion	Ratio	Lower	Upper
164	100		
129	96.8	66.6	123.8
131	102.8	63.9	118.7
166	124.4	90.5	168.1

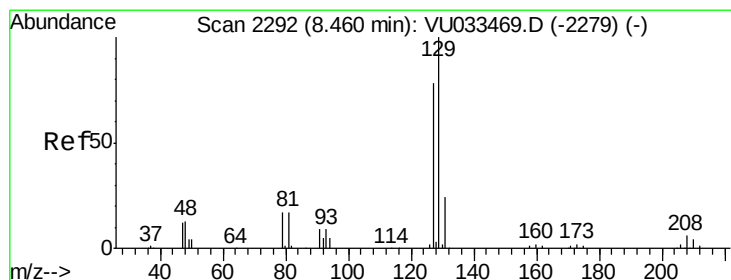
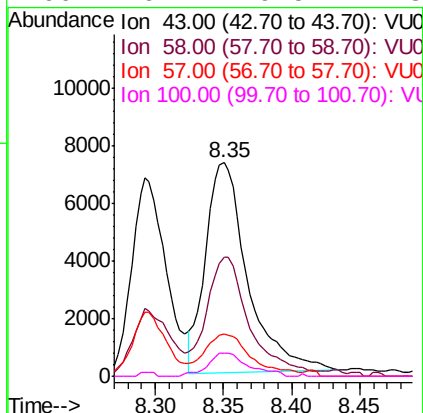
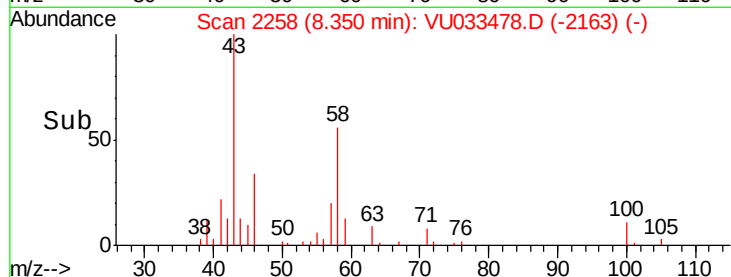
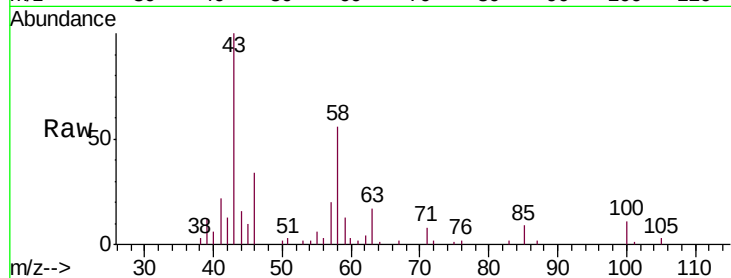




#48
2-Hexanone
Concen: 6.154 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033478.D
Acq: 29 Jul 2019 19:15

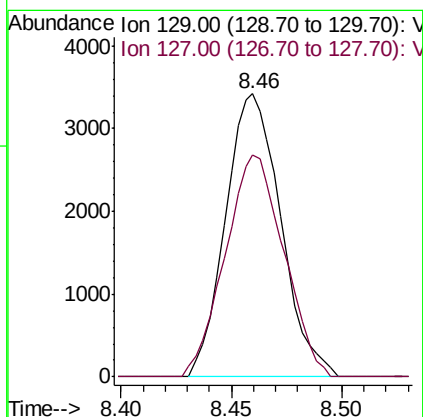
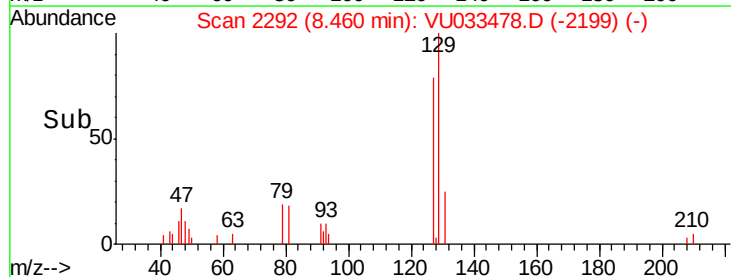
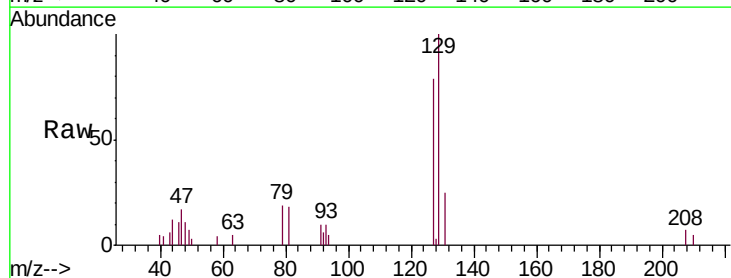
Instrument :
MSVOA_U
ClientSampled :
MDL02

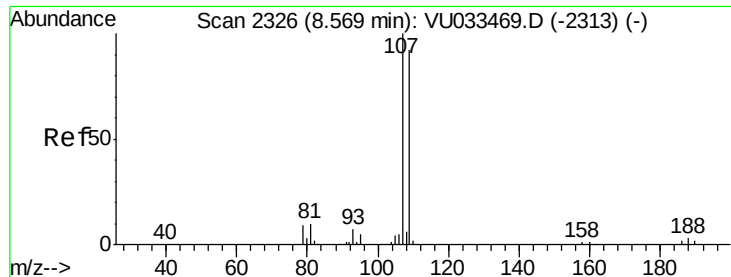
Tgt Ion: 43 Resp: 15665
Ion Ratio Lower Upper
43 100
58 58.5 46.6 69.8
57 22.3 16.0 24.0
100 10.2 9.5 14.3



#49
Dibromochloromethane
Concen: 2.350 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033478.D
Acq: 29 Jul 2019 19:15

Tgt Ion: 129 Resp: 5949
Ion Ratio Lower Upper
129 100
127 78.5 54.5 101.1

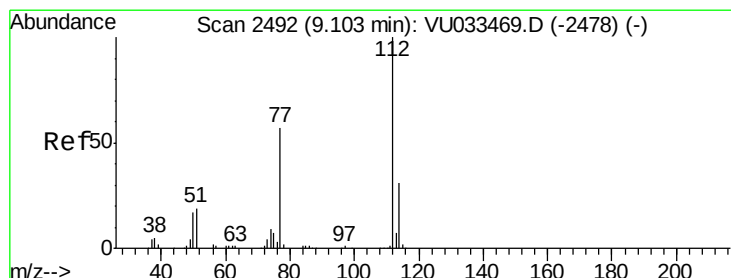
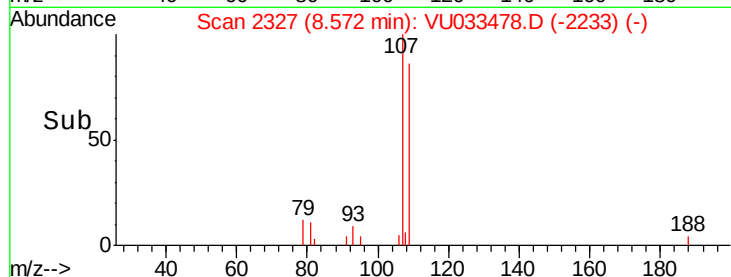
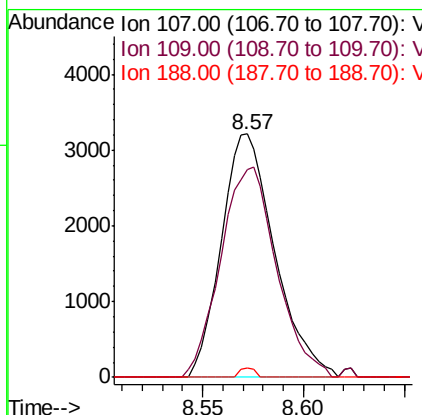
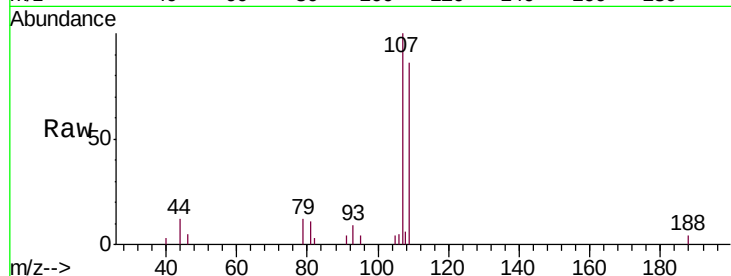




#50
1,2-Dibromoethane
Concen: 2.420 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033478.D
Acq: 29 Jul 2019 19:15

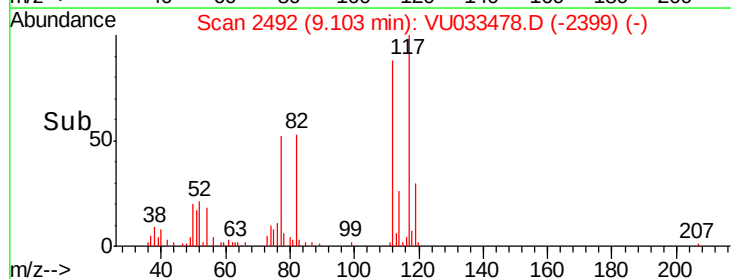
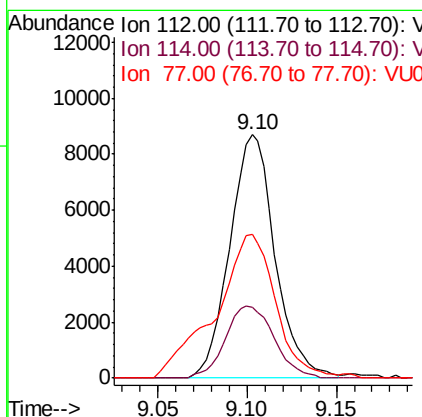
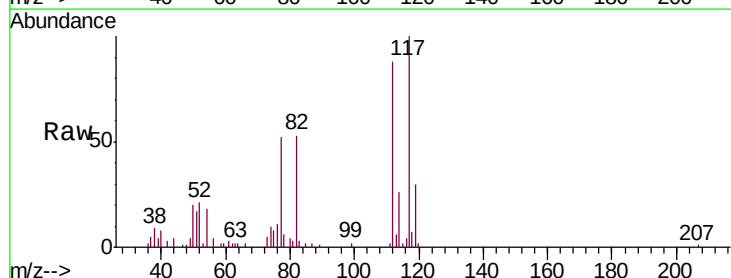
Instrument :
MSVOA_U
ClientSampleId :
MDL02

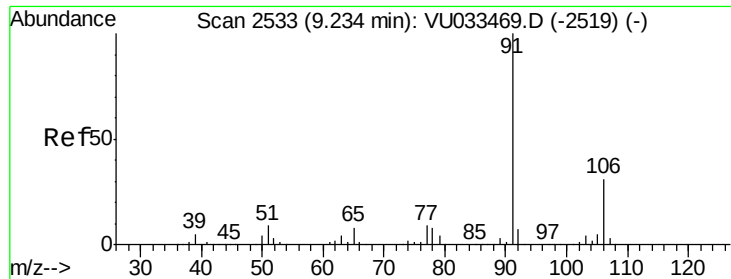
Tgt Ion:107 Resp: 5937
Ion Ratio Lower Upper
107 100
109 85.5 64.7 120.1
188 3.6 2.8 4.2



#51
Chlorobenzene
Concen: 2.446 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033478.D
Acq: 29 Jul 2019 19:15

Tgt Ion:112 Resp: 15417
Ion Ratio Lower Upper
112 100
114 29.0 21.9 40.7
77 58.8 46.1 69.1





#52

Ethylbenzene

Concen: 2.186 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

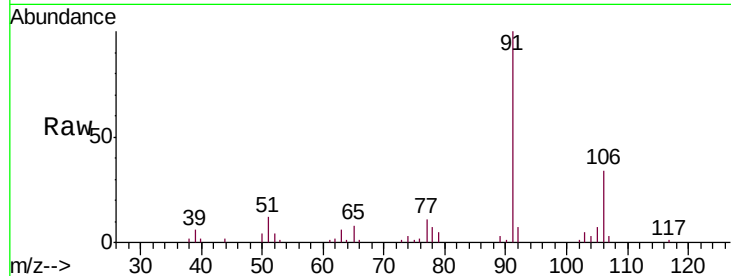
MDL02

Tgt Ion: 91 Resp: 22480

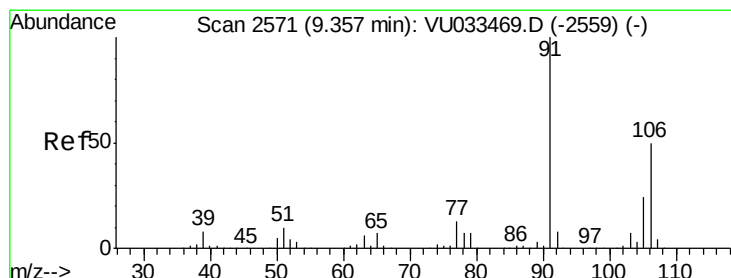
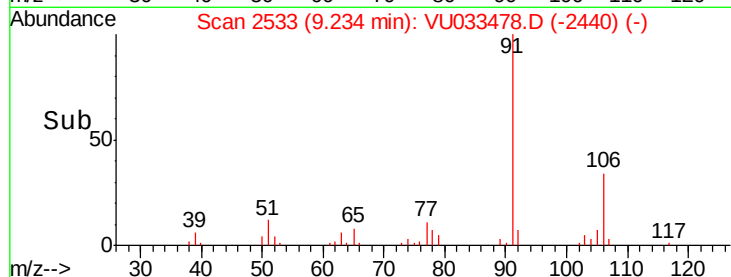
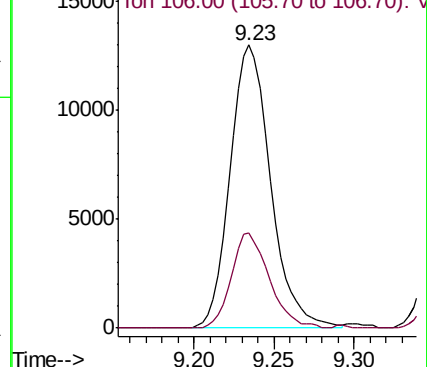
Ion Ratio Lower Upper

91 100

106 33.6 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU033469.D (-2519) (-)



#53

m,p-Xylene

Concen: 2.062 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033478.D

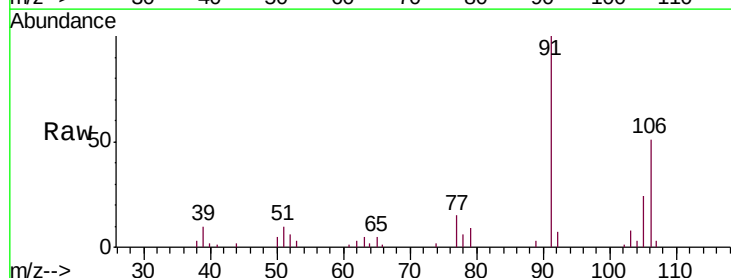
Acq: 29 Jul 2019 19:15

Tgt Ion: 106 Resp: 7974

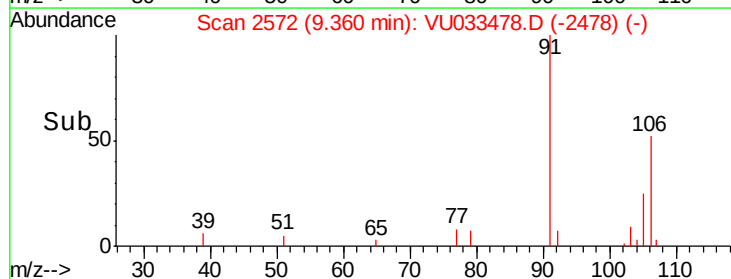
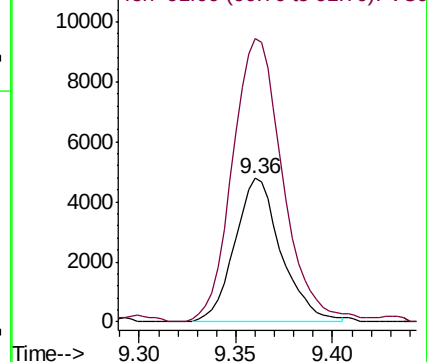
Ion Ratio Lower Upper

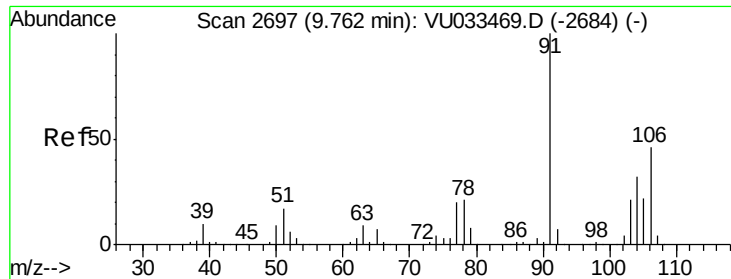
106 100

91 197.1 140.7 261.3



Abundance Ion 106.00 (105.70 to 106.70): VU033469.D (-2559) (-)

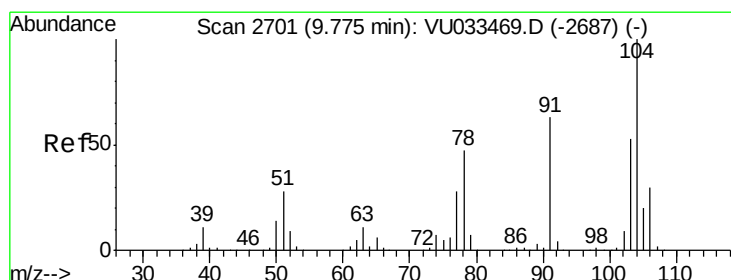
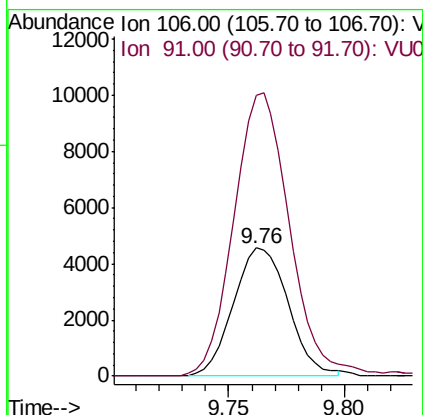
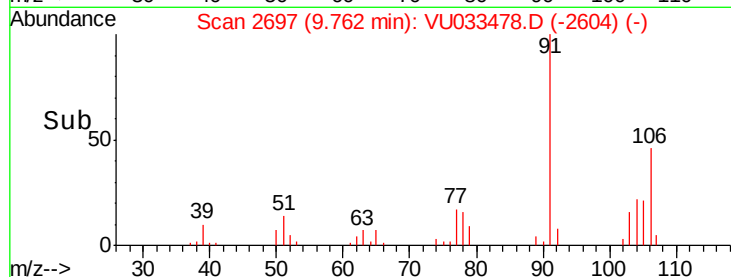
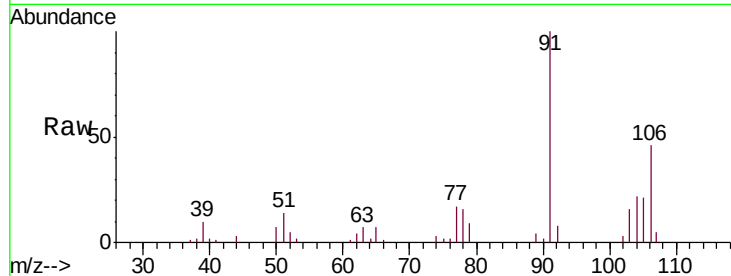




#54
o-xylene
Concen: 1.985 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033478.D
Acq: 29 Jul 2019 19:15

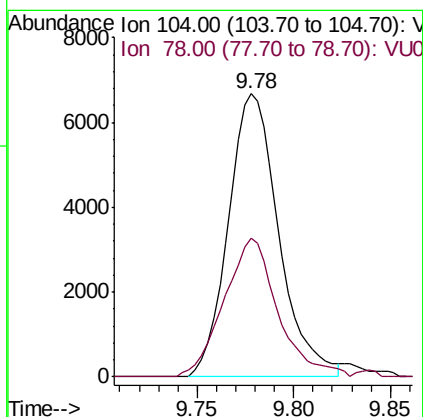
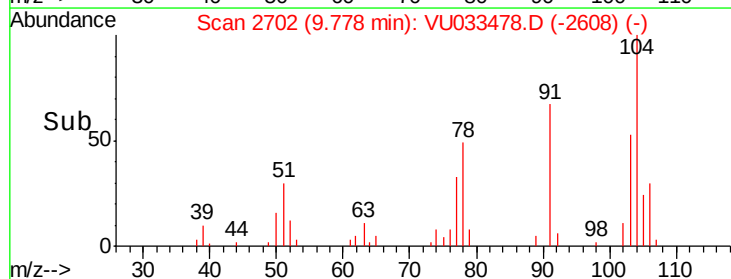
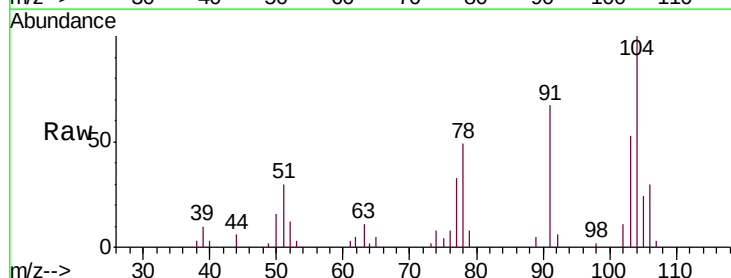
Instrument :
MSVOA_U
ClientSampleId :
MDL02

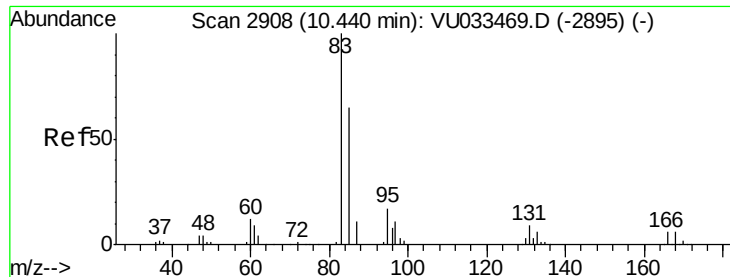
Tgt Ion:106 Resp: 7527
Ion Ratio Lower Upper
106 100
91 219.0 151.1 280.7



#55
Styrene
Concen: 1.881 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033478.D
Acq: 29 Jul 2019 19:15

Tgt Ion:104 Resp: 12101
Ion Ratio Lower Upper
104 100
78 49.1 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.750 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

MDL02

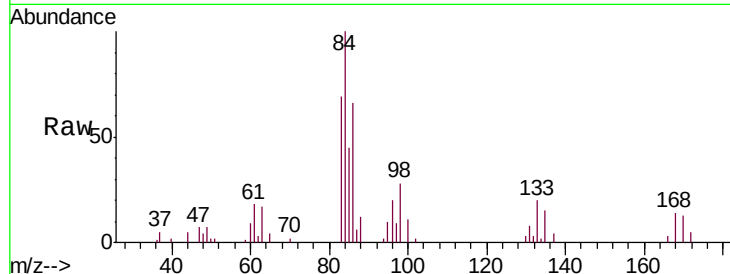
Tgt Ion: 83 Resp: 11057

Ion Ratio Lower Upper

83 100

85 65.2 45.9 85.3

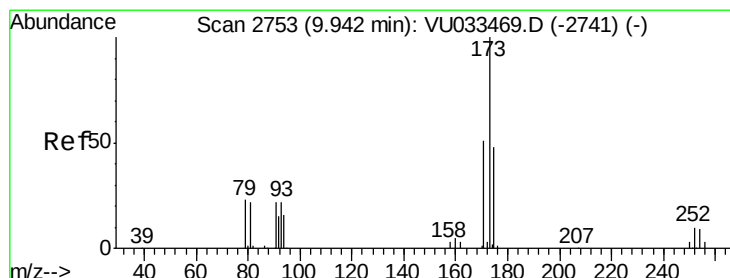
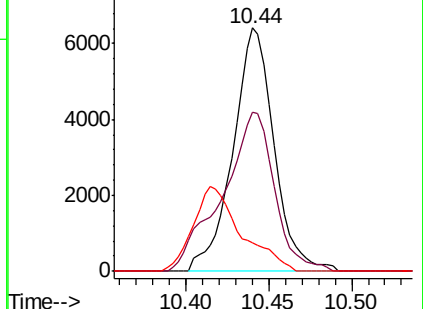
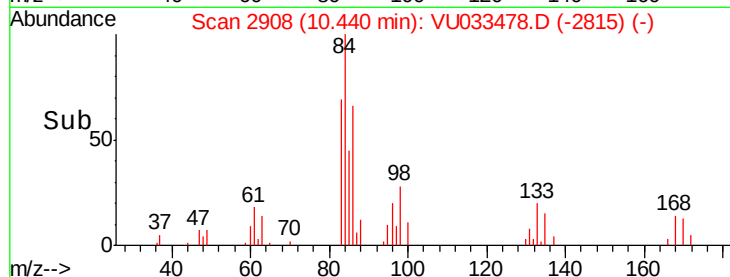
131 11.8 7.8 11.8#



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: 2.456 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

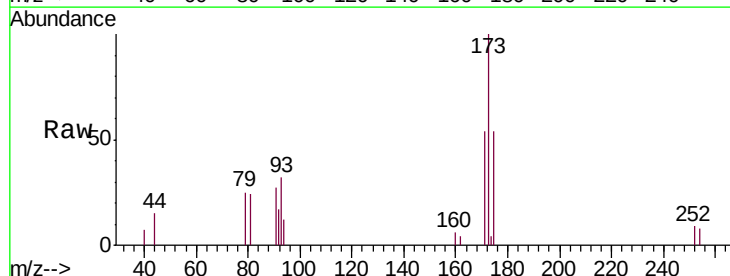
Tgt Ion: 173 Resp: 4223

Ion Ratio Lower Upper

173 100

175 51.2 38.1 57.1

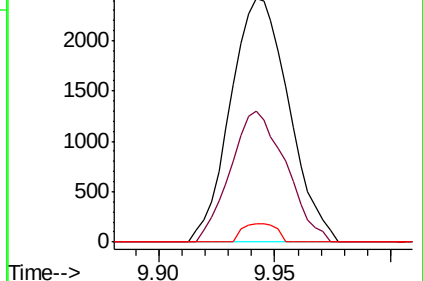
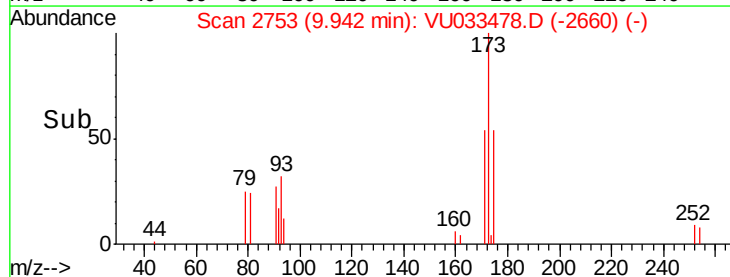
254 4.4 7.3 10.9#

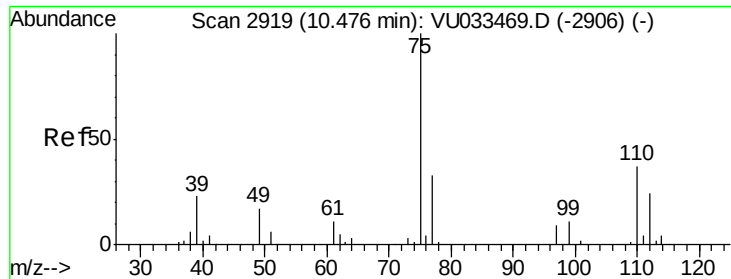


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

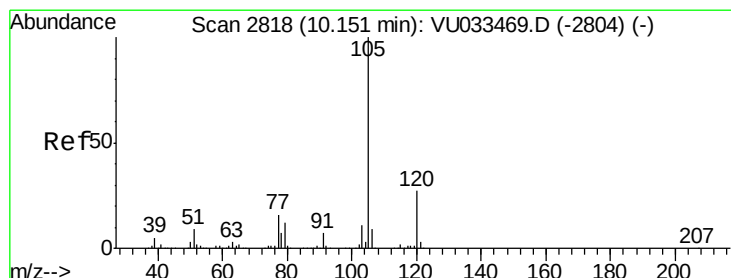
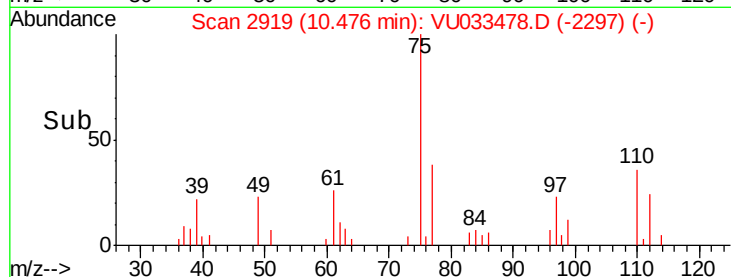
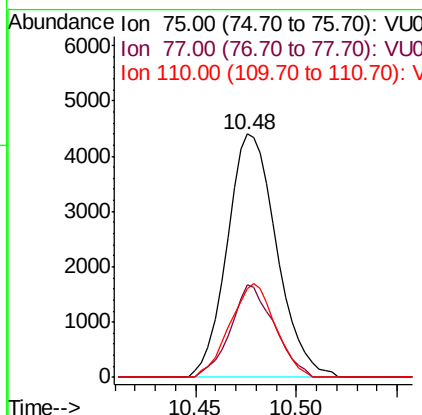
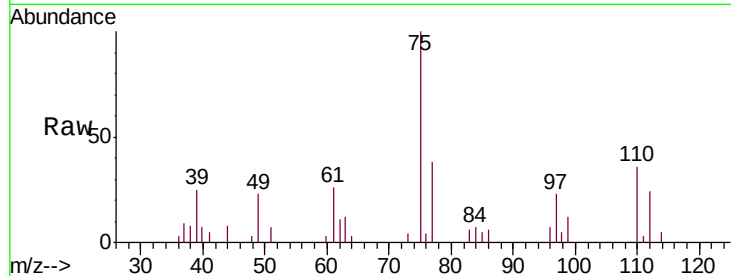




#60
 1,2,3-Trichloropropane
 Concen: 2.697 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

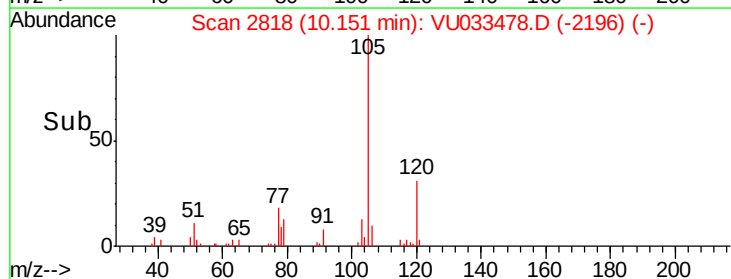
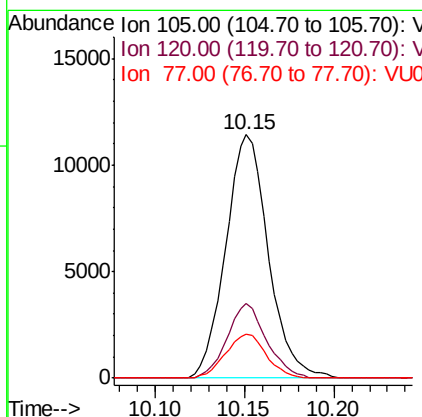
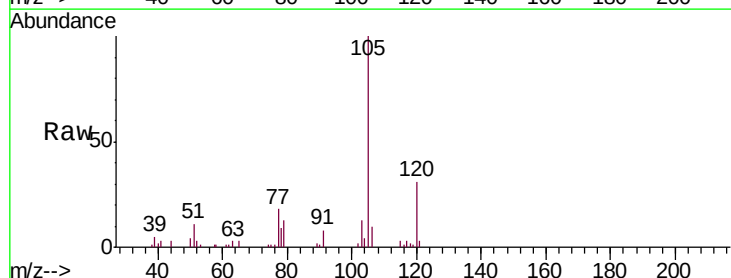
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

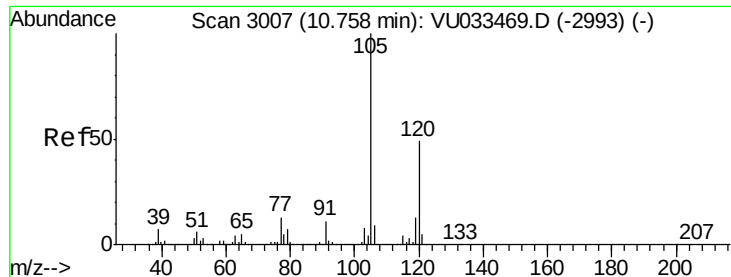
Tgt Ion:	75	Resp:	7551
Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.9	38.9
110	35.5	30.2	45.4



#61
 Isopropylbenzene
 Concen: 2.157 ug/L
 RT: 10.15 min Scan# 2818
 Delta R.T. 0.00 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

Tgt Ion:	105	Resp:	18985
Ion	Ratio	Lower	Upper
105	100		
120	28.2	21.7	32.5
77	17.2	12.6	19.0





#62

1,3,5-Trimethylbenzene

Concen: 2.019 ug/L

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

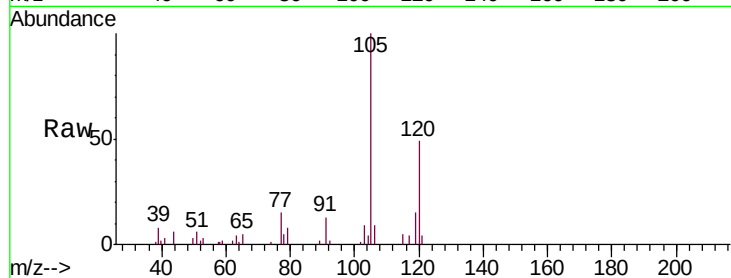
MDL02

Tgt Ion:105 Resp: 14404

Ion Ratio Lower Upper

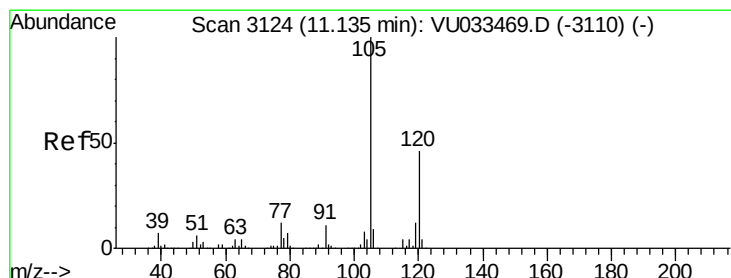
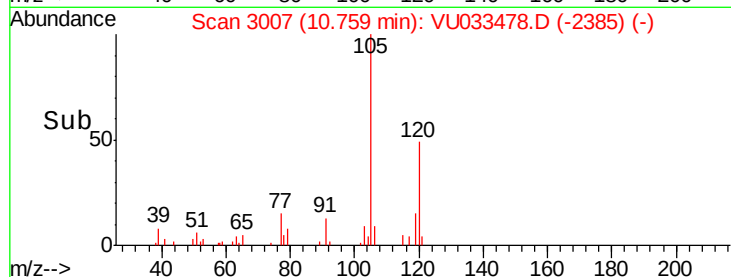
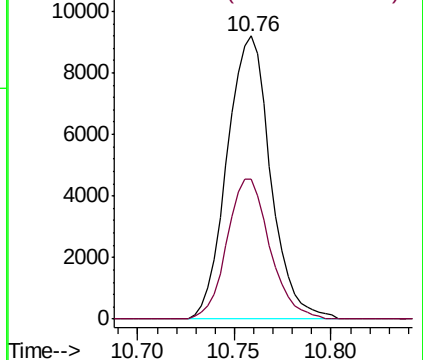
105 100

120 48.9 39.0 58.6



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: 1.943 ug/L

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VU033478.D

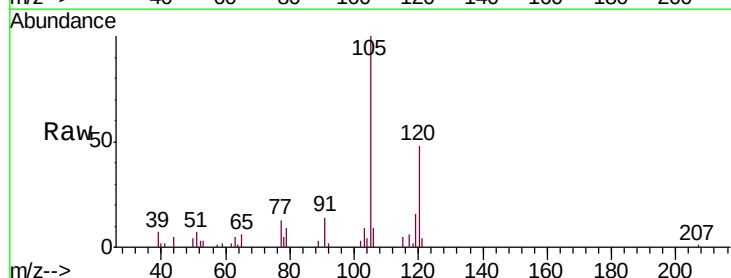
Acq: 29 Jul 2019 19:15

Tgt Ion:105 Resp: 13748

Ion Ratio Lower Upper

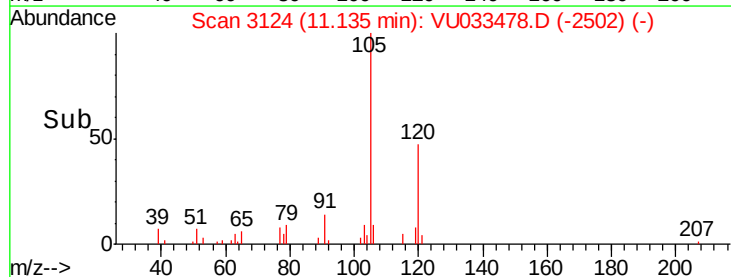
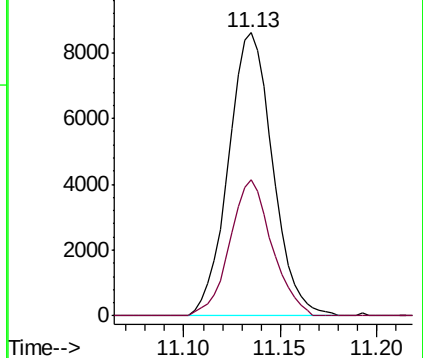
105 100

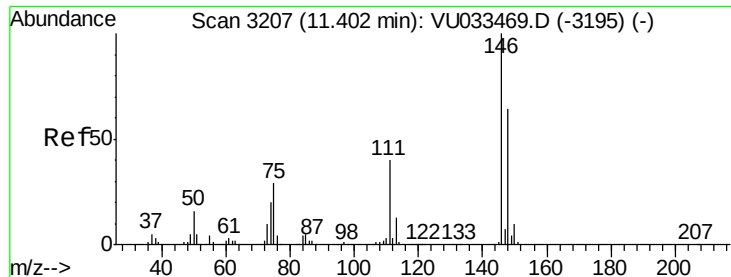
120 45.5 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.512 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

MDL02

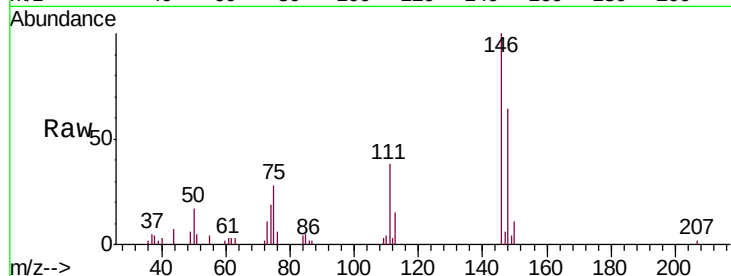
Tgt Ion:146 Resp: 11272

Ion Ratio Lower Upper

146 100

111 38.1 28.2 52.4

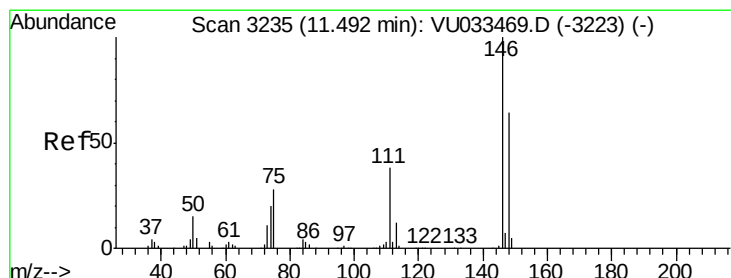
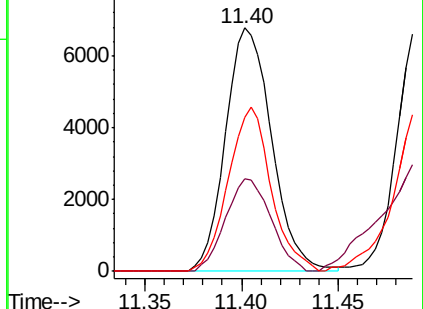
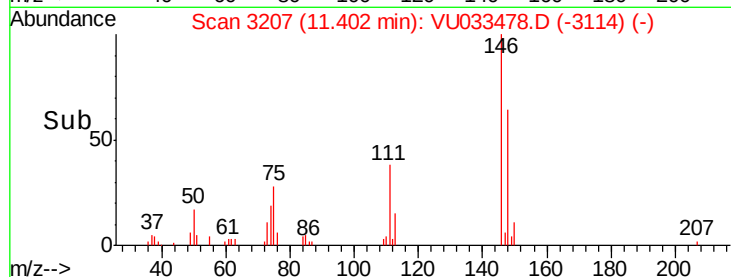
148 63.5 44.4 82.5



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



#65

1,4-Dichlorobenzene

Concen: 2.464 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

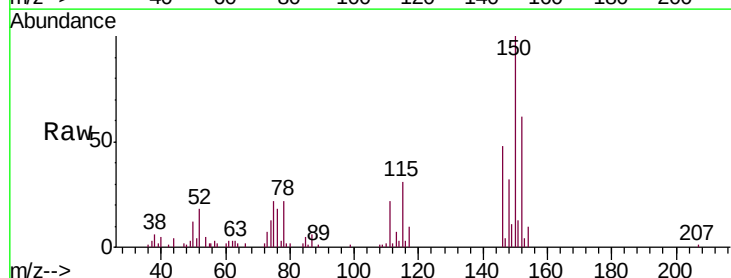
Tgt Ion:146 Resp: 11420

Ion Ratio Lower Upper

146 100

111 44.7 27.0 50.2

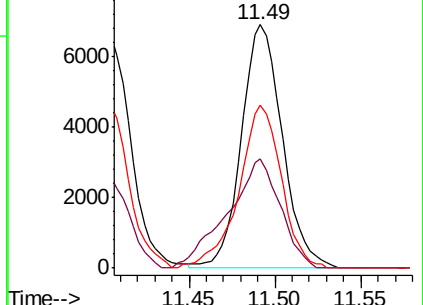
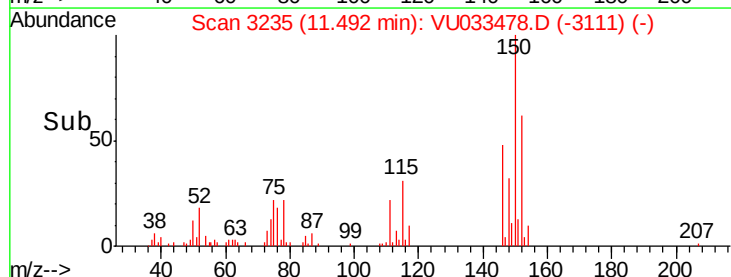
148 66.7 44.7 82.9

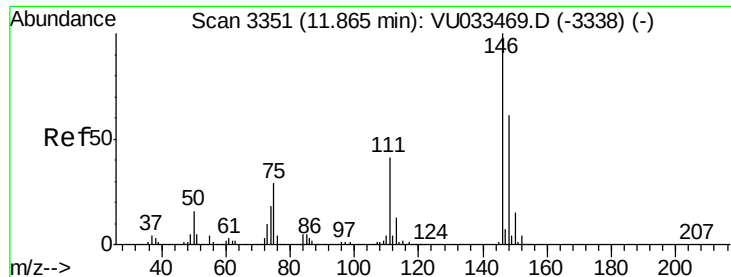


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 2.683 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

MDL02

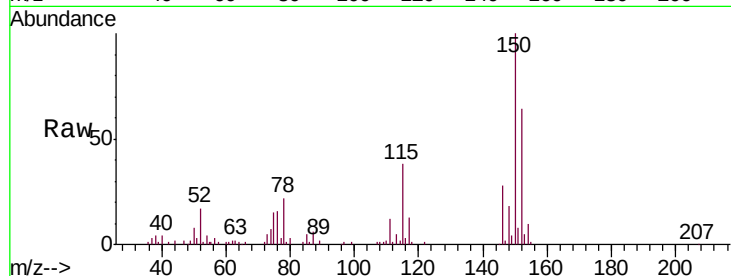
Tgt Ion:146 Resp: 12060

Ion Ratio Lower Upper

146 100

111 42.9 32.8 49.2

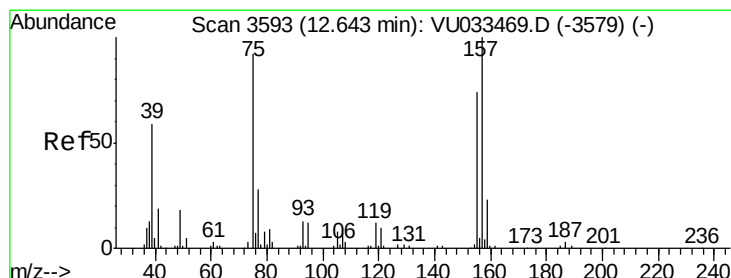
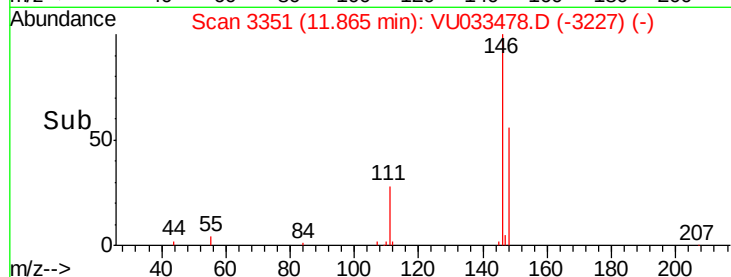
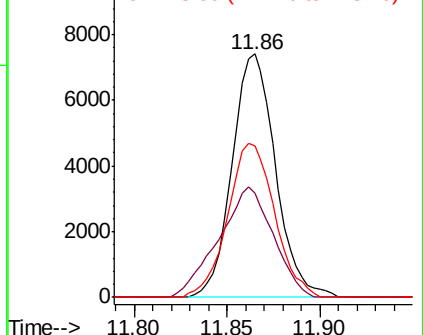
148 62.2 49.2 73.8



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: 2.456 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

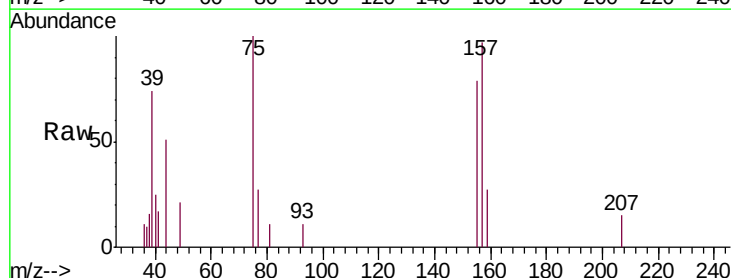
Tgt Ion: 75 Resp: 1912

Ion Ratio Lower Upper

75 100

155 78.7 64.8 97.2

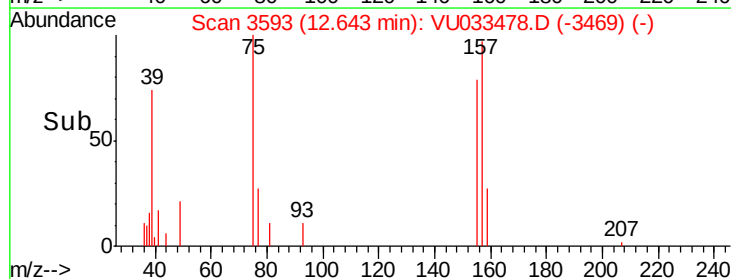
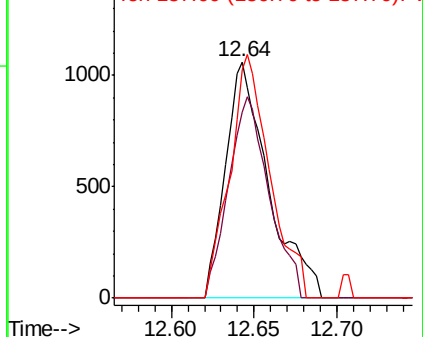
157 96.5 87.1 130.7

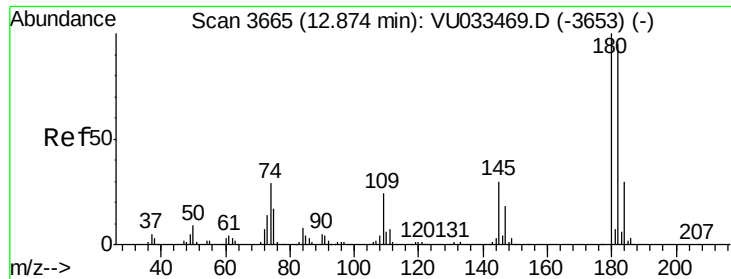


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

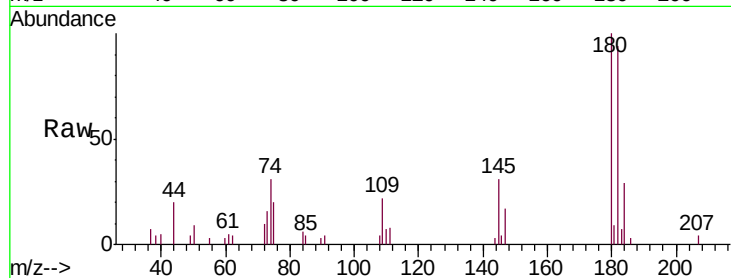




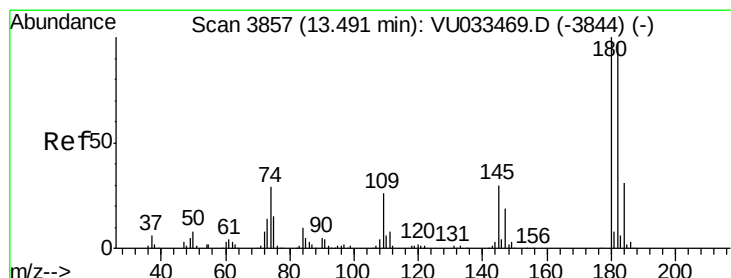
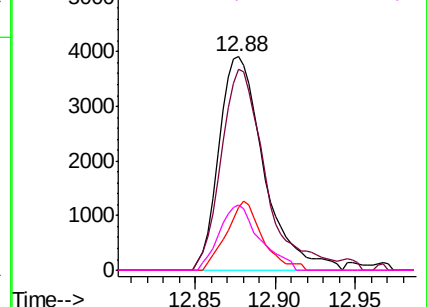
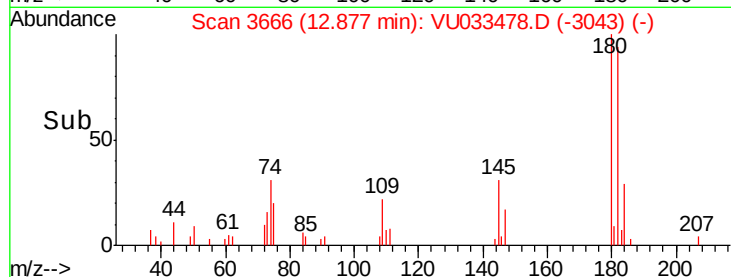
#69
 1,3,5-Trichlorobenzene
 Concen: 2.210 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:180 Resp: 7529
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.2 114.4
 184 25.4 24.1 36.1
 145 27.5 23.7 35.5

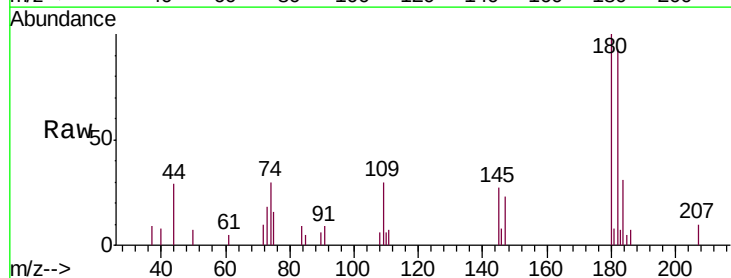


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

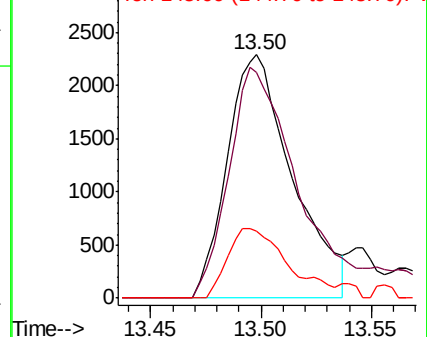
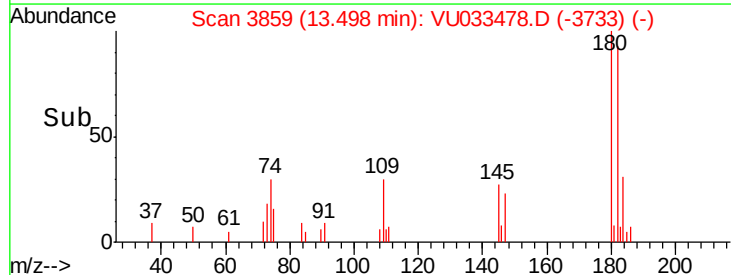


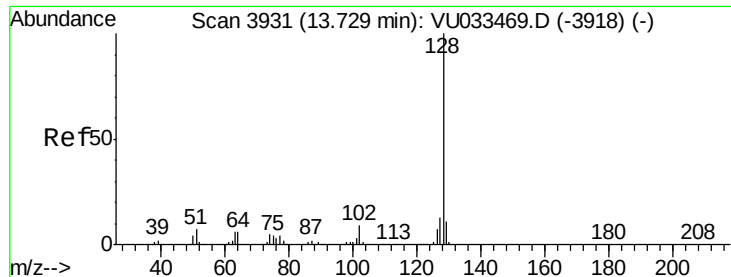
#70
 1,2,4-trichlorobenzene
 Concen: 1.652 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033478.D
 Acq: 29 Jul 2019 19:15

Tgt Ion:180 Resp: 4698
 Ion Ratio Lower Upper
 180 100
 182 98.1 77.5 116.3
 145 23.9 23.9 35.9



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: 1.484 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

MDL02

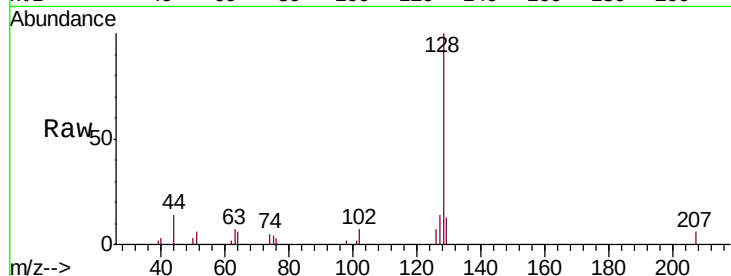
Tgt Ion:128 Resp: 12204

Ion Ratio Lower Upper

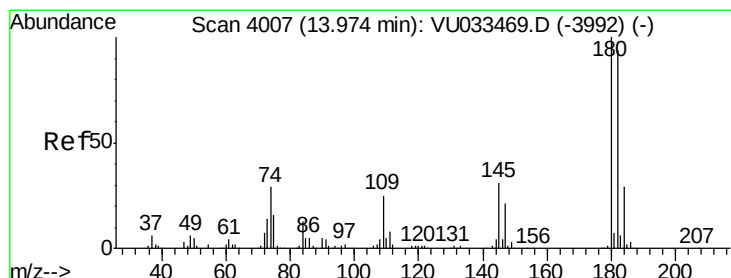
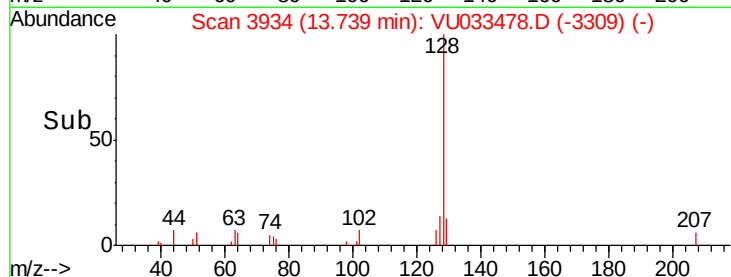
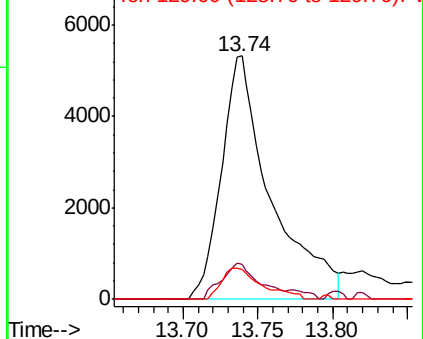
128 100

127 11.4 10.8 16.2

129 8.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 1.860 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.01 min

Lab File: VU033478.D

Acq: 29 Jul 2019 19:15

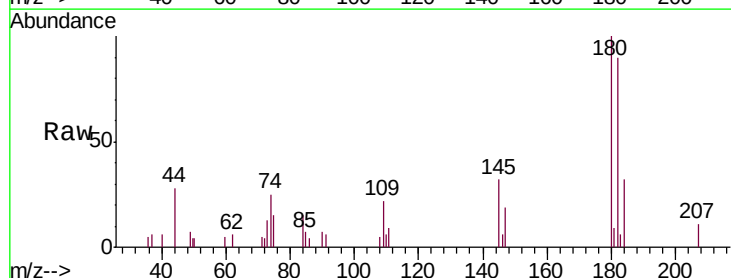
Tgt Ion:180 Resp: 5541

Ion Ratio Lower Upper

180 100

182 87.3 76.4 114.6

145 31.9 24.9 37.3



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

