

Data File : VU033485.D
Acq On : 30 Jul 2019 11:24
Operator : JC/SP
Sample : MDL04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Jul 31 08:48:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294129	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	299905	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	143524	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116055	43.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.92%
7) Chloroethane-d5	1.67	69	102250	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.68%
11) 1,1-Dichloroethene-d2	2.26	63	186201	38.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.24%
21) 2-Butanone-d5	4.15	46	136577	89.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.24%
24) Chloroform-d	4.62	84	174862	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.50%
26) 1,2-Dichloroethane-d4	5.29	65	126466	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.32	84	384697	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
36) 1,2-Dichloropropane-d6	6.31	67	122367	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.00%
41) Toluene-d8	7.55	98	351889	46.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.98%
43) trans-1,3-Dichloropropene-	7.83	79	56245	46.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.18%
47) 2-Hexanone-d5	8.29	63	106622	102.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.78%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	182927	47.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.46%
66) 1,2-Dichlorobenzene-d4	11.85	152	138387	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7497	2.555 ug/L	100
3) Chloromethane	1.32	50	7943	2.711 ug/L	99
5) Vinyl chloride	1.40	62	9004	2.687 ug/L #	73
6) Bromomethane	1.62	94	6079	2.596 ug/L	93
8) Chloroethane	1.69	64	5459	2.656 ug/L	100
9) Trichlorofluoromethane	1.87	101	11320	2.576 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7244	3.280 ug/L	88
12) 1,1-Dichloroethene	2.27	96	7627	3.544 ug/L #	1
13) Acetone	2.31	43	9363	6.173 ug/L	94
14) Carbon disulfide	2.46	76	16178	2.523 ug/L #	94
15) Methyl Acetate	2.60	43	6390	2.627 ug/L	96
16) Methylene chloride	2.68	84	6542	2.767 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	5429	2.540 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	15308	2.427 ug/L	100
19) 1,1-Dichloroethane	3.42	63	9981	2.480 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	6269	2.657 ug/L	99
22) 2-Butanone	4.25	43	8707	4.831 ug/L	98

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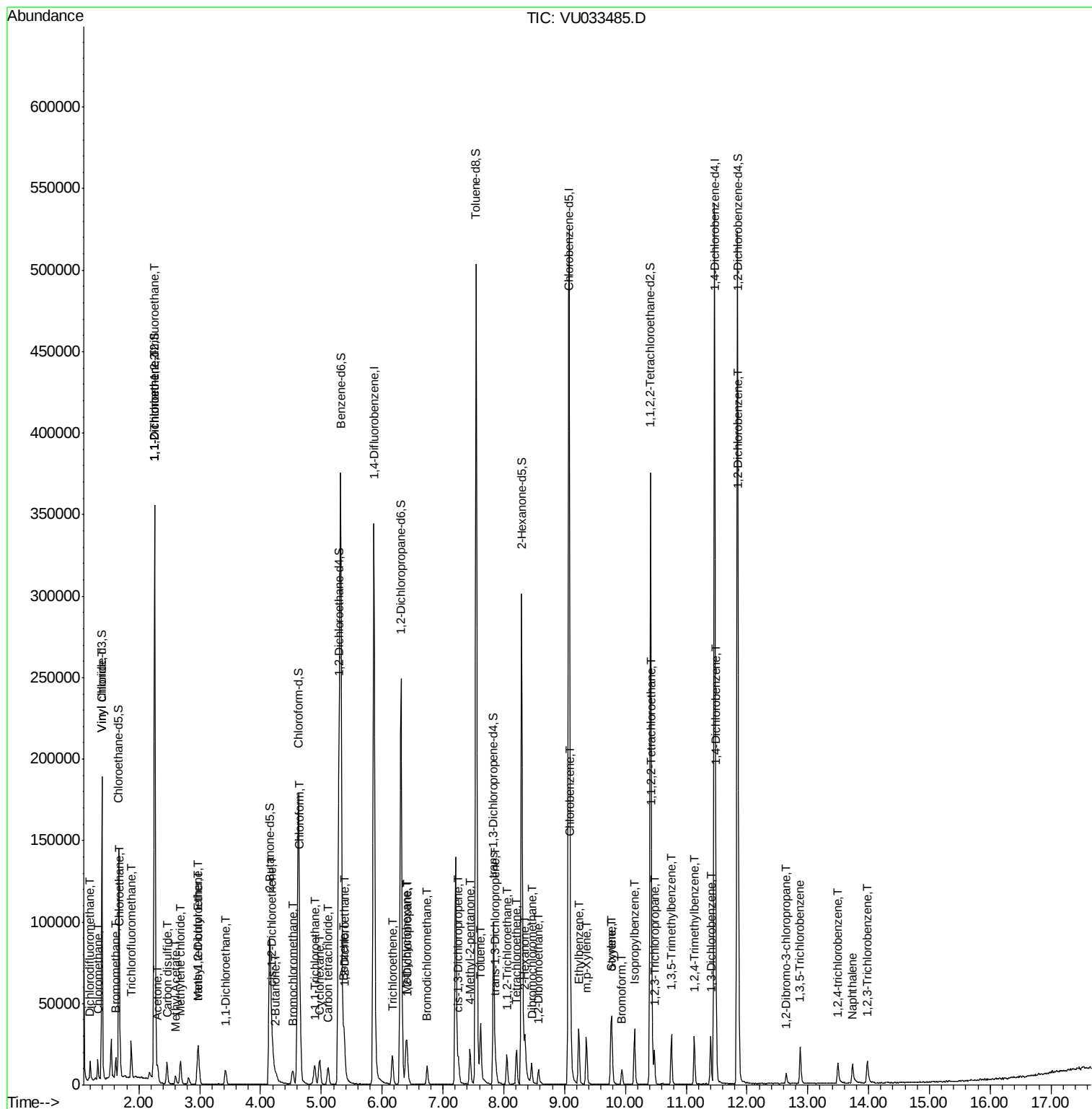
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	1691	1.350	ug/L	99
25) Chloroform	4.65	83	29992	7.029	ug/L	96
27) 1,2-Dichloroethane	5.39	62	8810	2.659	ug/L	97
29) Cyclohexane	4.97	56	7253	2.201	ug/L #	88
30) 1,1,1-Trichloroethane	4.89	97	9262	2.594	ug/L	99
31) Carbon tetrachloride	5.11	117	7851	2.470	ug/L	98
33) Benzene	5.37	78	23292	2.598	ug/L	100
34) Trichloroethene	6.17	95	6110	2.616	ug/L	98
35) Methylcyclohexane	6.40	83	8668	2.441	ug/L	94
37) 1,2-Dichloropropane	6.42	63	6223	2.581	ug/L	99
38) Bromodichloromethane	6.74	83	8120	2.559	ug/L	93
39) cis-1,3-Dichloropropene	7.25	75	9383	2.610	ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	14338	4.513	ug/L	97
42) Toluene	7.62	91	24635	2.554	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	8697	2.665	ug/L	91
45) 1,1,2-Trichloroethane	8.05	97	5816	2.529	ug/L	94
46) Tetrachloroethene	8.21	164	4762	2.506	ug/L	97
48) 2-Hexanone	8.35	43	17036	6.582	ug/L	92
49) Dibromochloromethane	8.46	129	6382	2.479	ug/L	98
50) 1,2-Dibromoethane	8.57	107	6581	2.638	ug/L #	97
51) Chlorobenzene	9.10	112	17050	2.660	ug/L	97
52) Ethylbenzene	9.23	91	24835	2.375	ug/L	97
53) m,p-Xylene	9.36	106	8859	2.253	ug/L	100
54) o-xylene	9.77	106	8480	2.199	ug/L	97
55) Styrene	9.78	104	13105	2.003	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.44	83	11069	2.708	ug/L	98
59) Bromoform	9.95	173	4675	2.604	ug/L	99
60) 1,2,3-Trichloropropane	10.48	75	8724	2.984	ug/L	94
61) Isopropylbenzene	10.15	105	22137	2.408	ug/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	16531	2.219	ug/L	97
63) 1,2,4-Trimethylbenzene	11.13	105	15701	2.125	ug/L	97
64) 1,3-Dichlorobenzene	11.40	146	12460	2.659	ug/L	96
65) 1,4-Dichlorobenzene	11.49	146	13006	2.687	ug/L	98
67) 1,2-Dichlorobenzene	11.86	146	12632	2.691	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	2006	2.468	ug/L	90
69) 1,3,5-Trichlorobenzene	12.88	180	8338	2.344	ug/L	99
70) 1,2,4-trichlorobenzene	13.50	180	5926	1.996	ug/L #	94
71) Naphthalene	13.74	128	11880	1.384	ug/L	97
72) 1,2,3-Trichlorobenzene	13.98	180	6073	1.952	ug/L	99

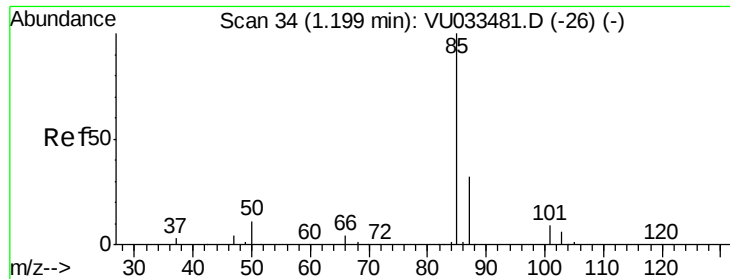
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.555 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

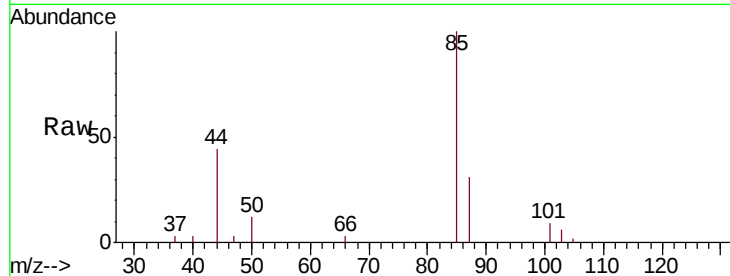
MDL04

Tgt Ion: 85 Resp: 7497

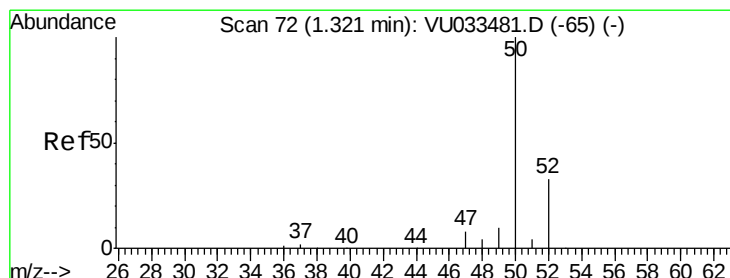
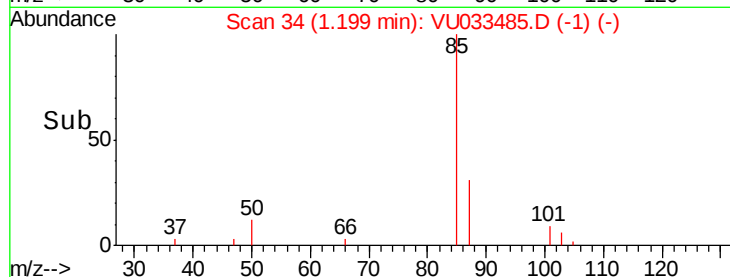
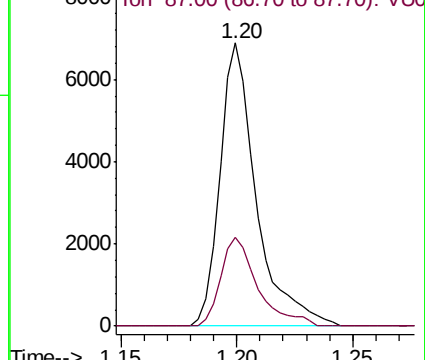
Ion Ratio Lower Upper

85 100

87 31.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU033485.D (-1) (-)



#3

Chloromethane

Concen: 2.711 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033485.D

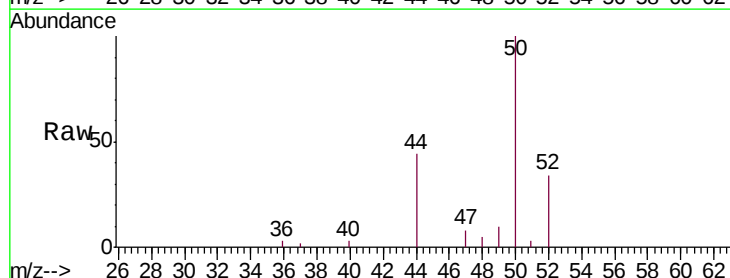
Acq: 30 Jul 2019 11:24

Tgt Ion: 50 Resp: 7943

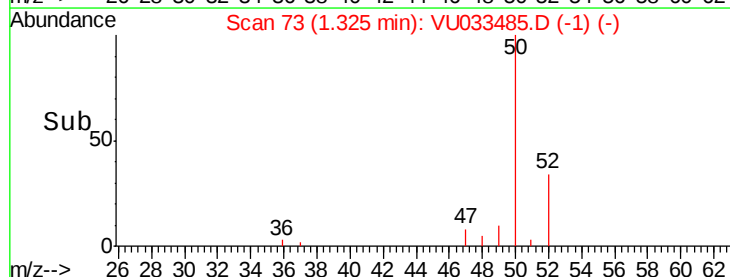
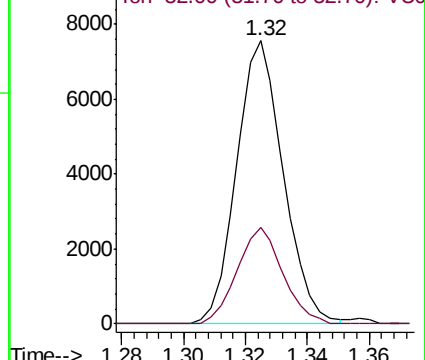
Ion Ratio Lower Upper

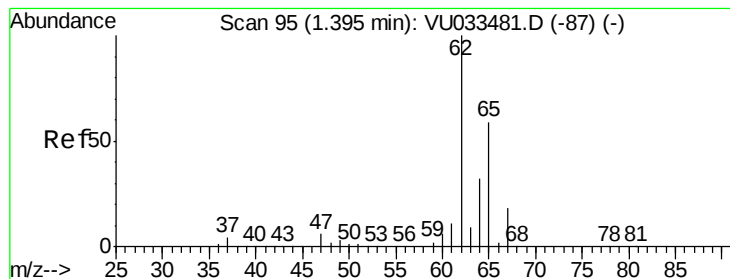
50 100

52 33.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033485.D (-1) (-)





#5

Vinyl chloride

Concen: 2.687 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

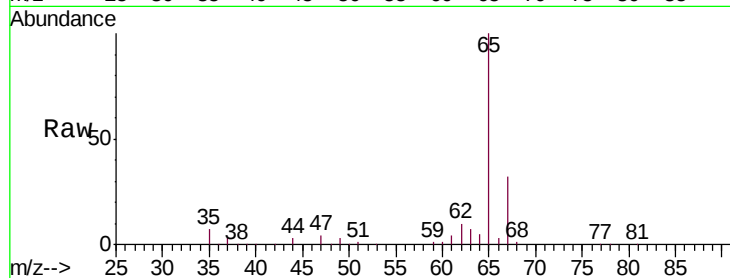
MDL04

Tgt Ion: 62 Resp: 9004

Ion Ratio Lower Upper

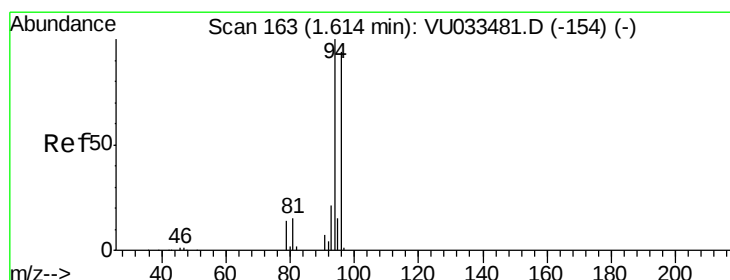
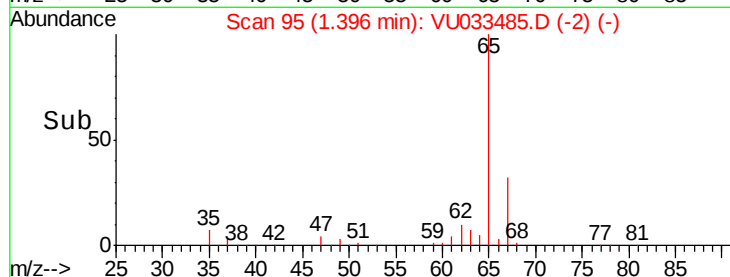
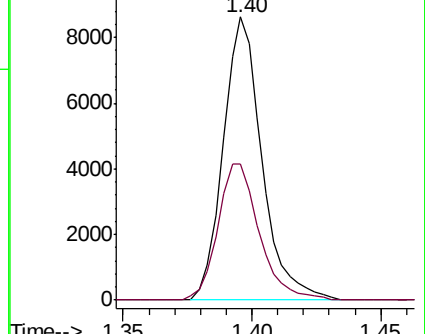
62 100

64 47.9 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 2.596 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU033485.D

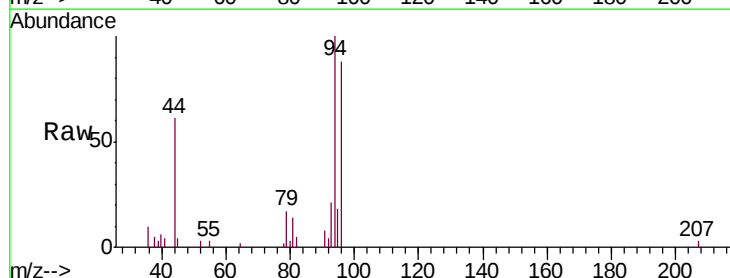
Acq: 30 Jul 2019 11:24

Tgt Ion: 94 Resp: 6079

Ion Ratio Lower Upper

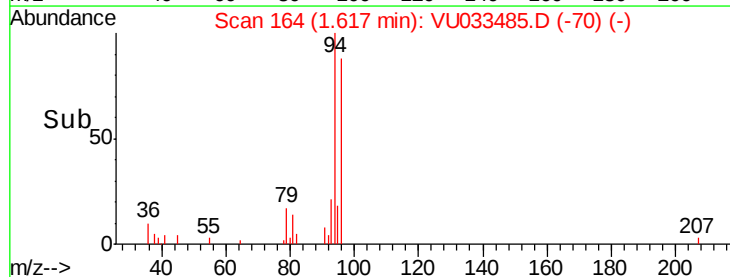
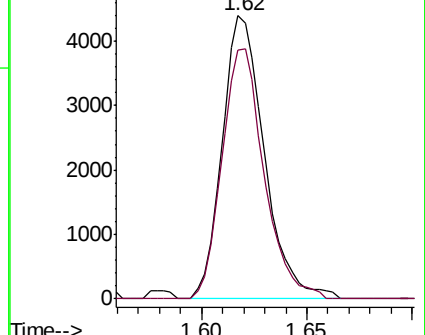
94 100

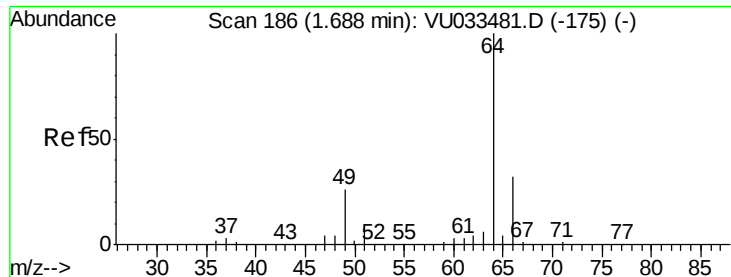
96 87.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 2.656 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

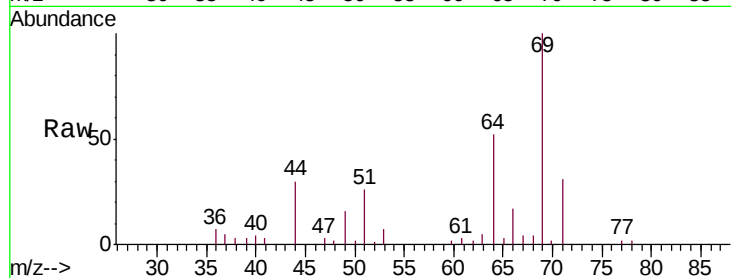
MDL04

Tgt Ion: 64 Resp: 5459

Ion Ratio Lower Upper

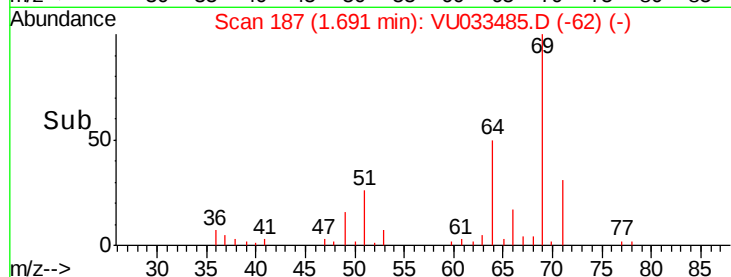
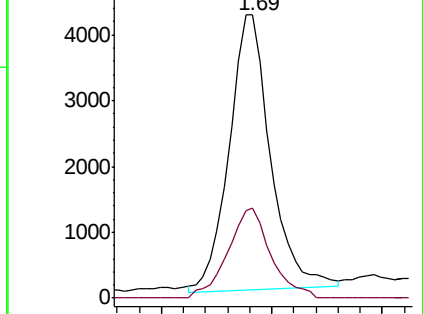
64 100

66 31.7 22.1 41.1

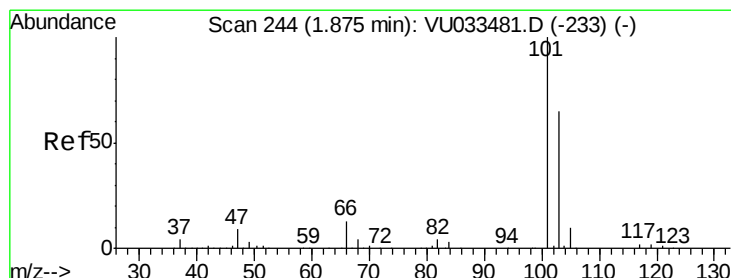


Abundance Ion 64.00 (63.70 to 64.70): VU033485.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033485.D (-175) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 2.576 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033485.D

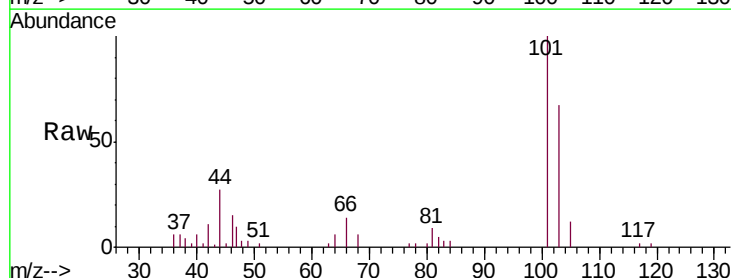
Acq: 30 Jul 2019 11:24

Tgt Ion: 101 Resp: 11320

Ion Ratio Lower Upper

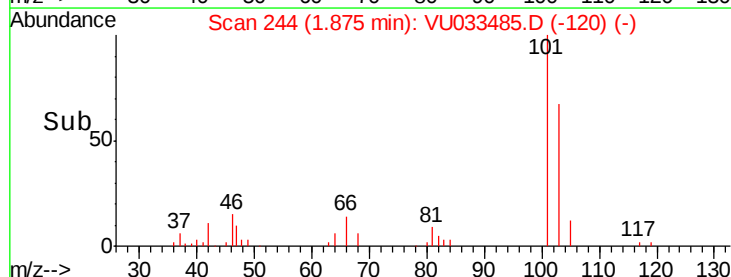
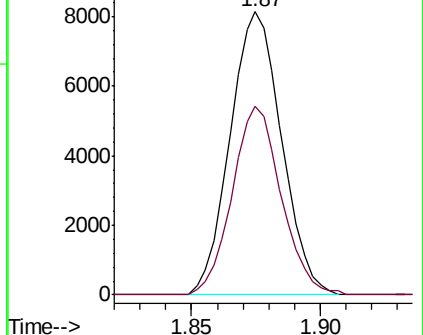
101 100

103 63.5 51.2 76.8

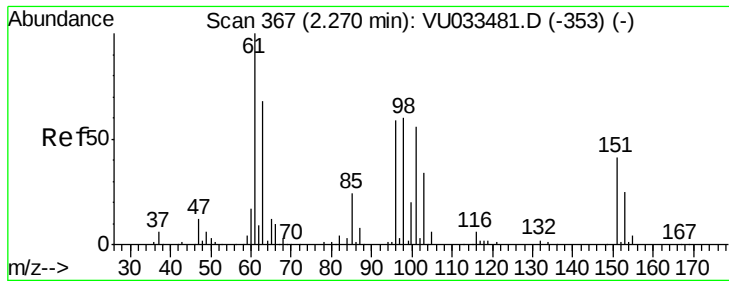


Abundance Ion 101.00 (100.70 to 101.70): VU033485.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033485.D (-233) (-)



Time-->



#10

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

Concen: 3.280 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033485.D

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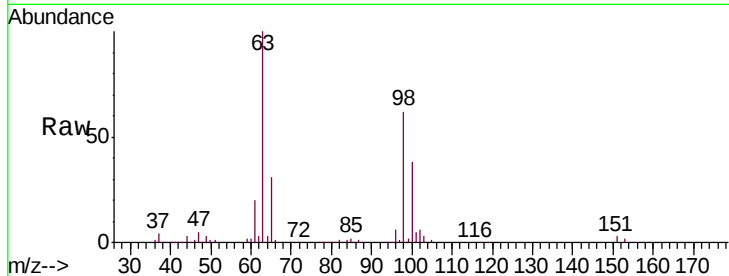
Tgt Ion:101 Resp: 7244

Ion Ratio Lower Upper

101 100

85 37.1 35.8 53.8

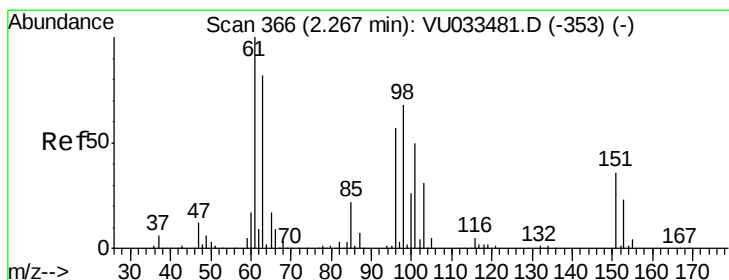
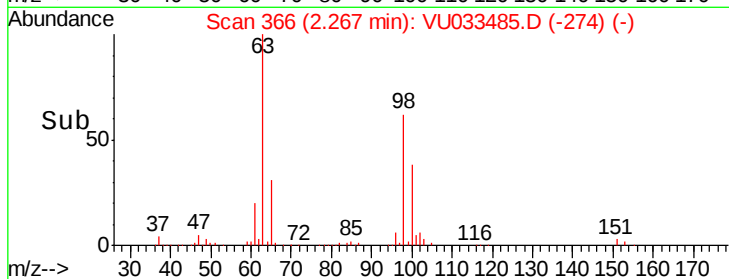
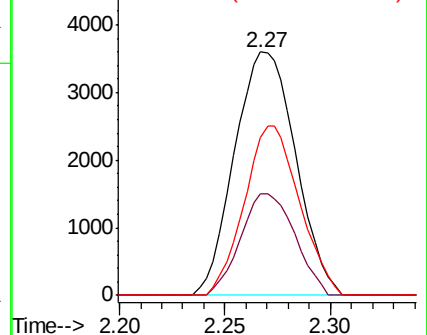
151 62.9 58.6 87.8



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: 3.544 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

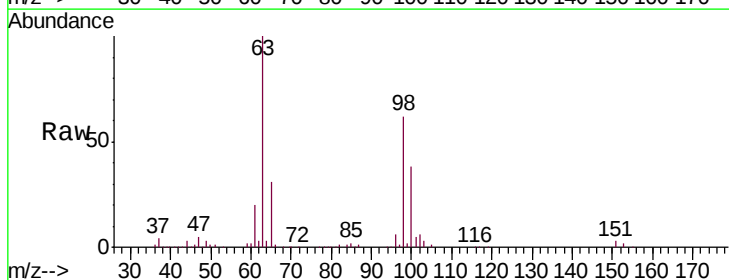
Tgt Ion: 96 Resp: 7627

Ion Ratio Lower Upper

96 100

61 322.1 124.1 230.5#

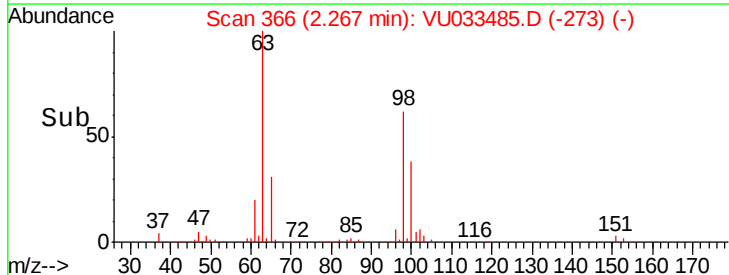
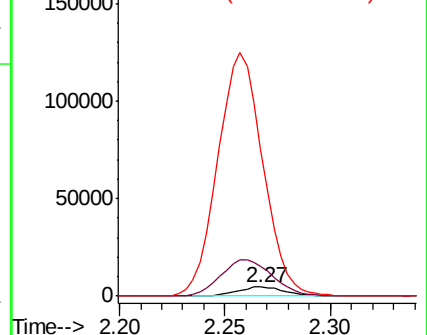
63 1611.9 101.8 189.2#

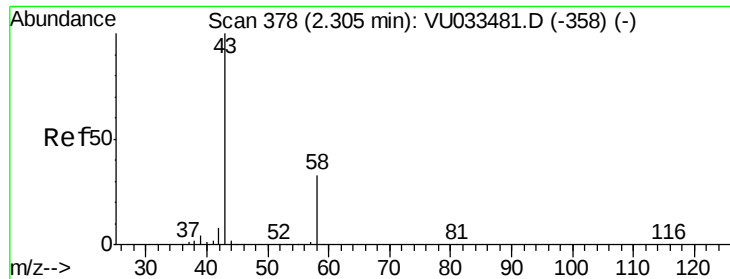


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.173 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033485.D

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ClientSampleId :

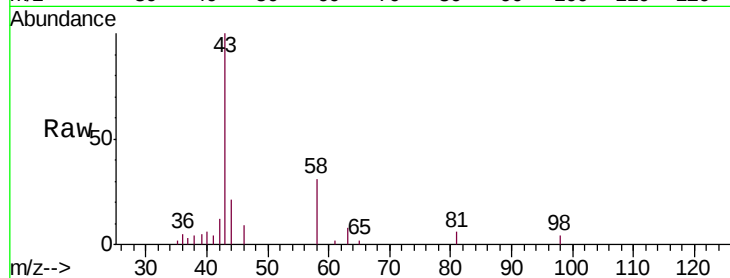
MDL04

Tgt Ion: 43 Resp: 9363

Ion Ratio Lower Upper

43 100

58 30.1 0.0 67.4

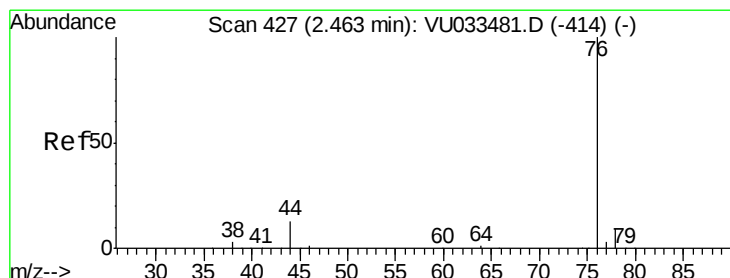
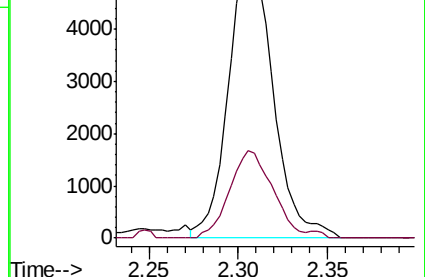
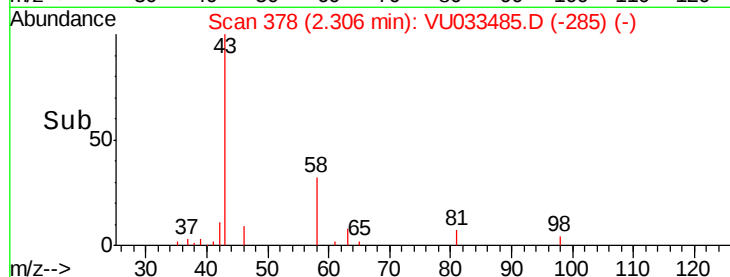


Abundance Ion 43.00 (42.70 to 43.70): VU033485.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU033485.D (-358) (-)

2.31

Time-->



#14

Carbon disulfide

Concen: 2.523 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033485.D

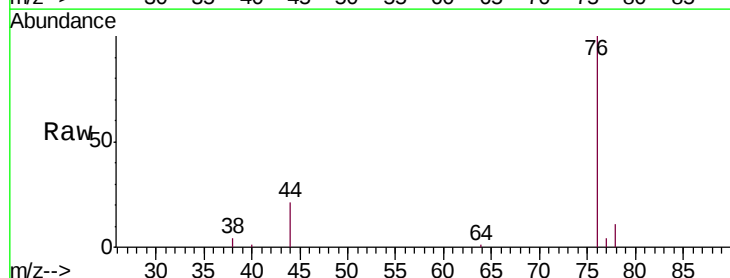
Acq: 30 Jul 2019 11:24

Tgt Ion: 76 Resp: 16178

Ion Ratio Lower Upper

76 100

78 11.3 7.2 10.8#

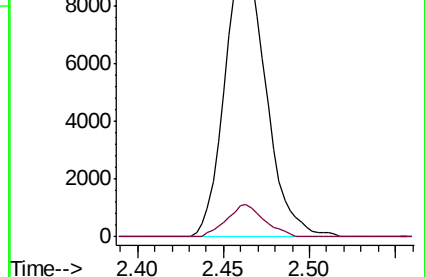
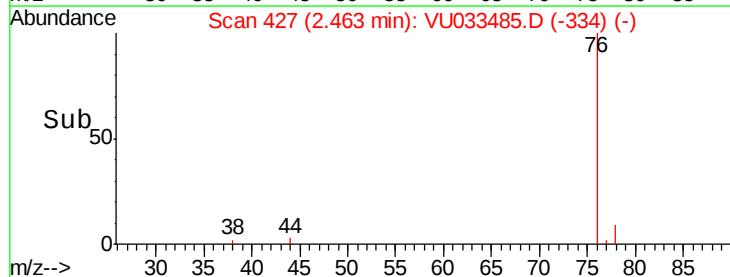


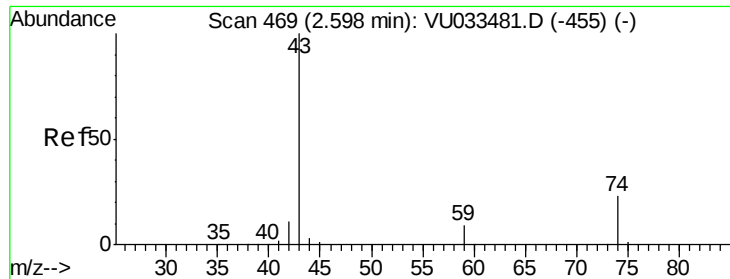
Abundance Ion 76.00 (75.70 to 76.70): VU033485.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033485.D (-414) (-)

2.46

Time-->

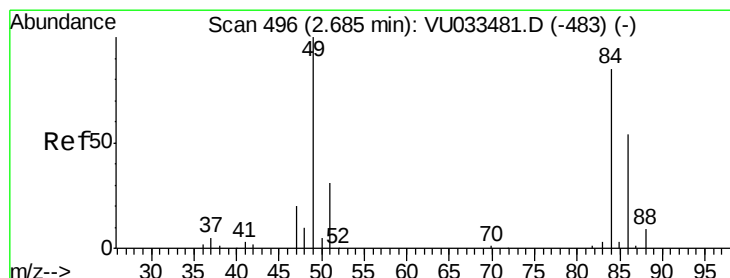
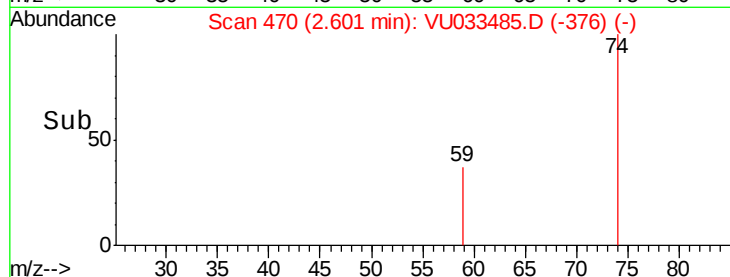
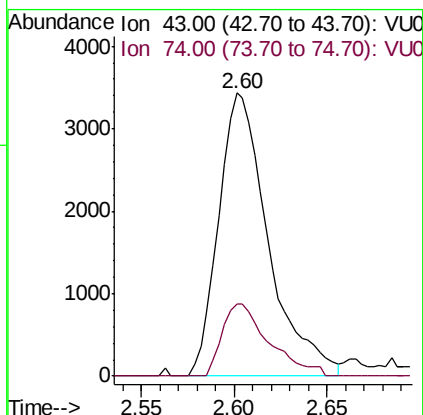
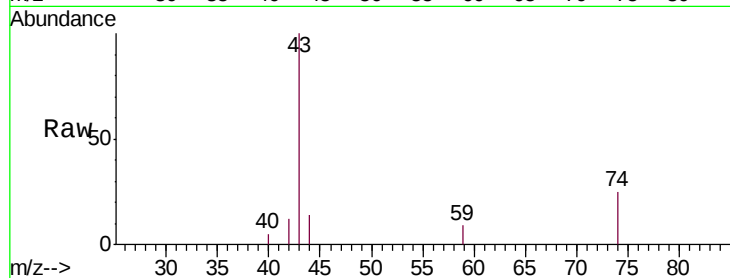




#15
Methyl Acetate
Concen: 2.627 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

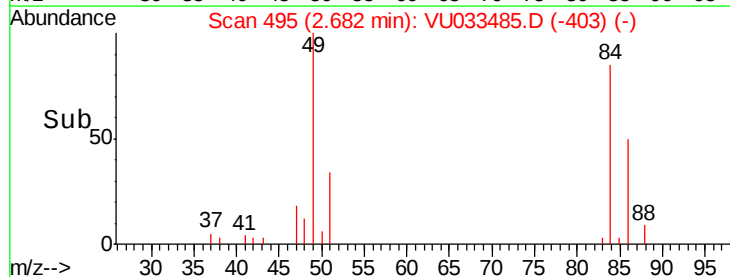
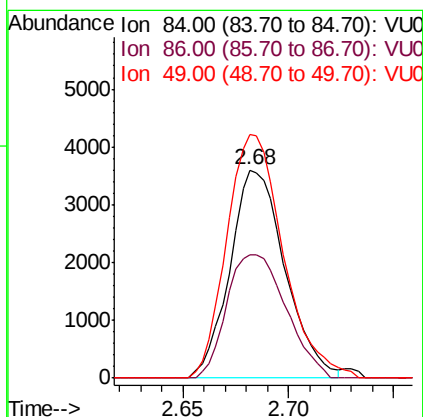
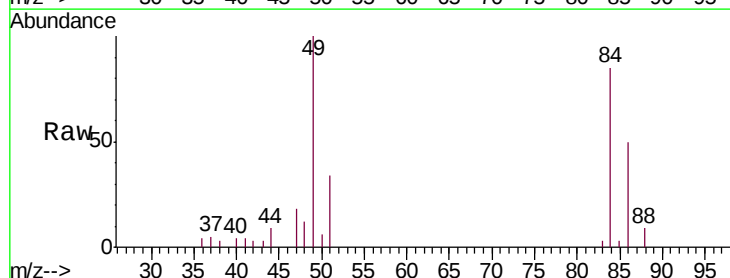
Instrument :
MSVOA_U
ClientSampleId :
MDL04

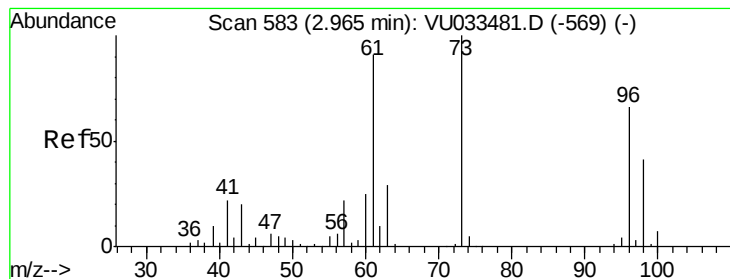
Tgt Ion: 43 Resp: 6390
Ion Ratio Lower Upper
43 100
74 23.5 20.5 30.7



#16
Methylene chloride
Concen: 2.767 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

Tgt Ion: 84 Resp: 6542
Ion Ratio Lower Upper
84 100
86 59.1 44.2 82.0
49 117.1 82.3 152.8





#17

trans-1,2-Dichloroethene

Concen: 2.540 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampled :

MDL04

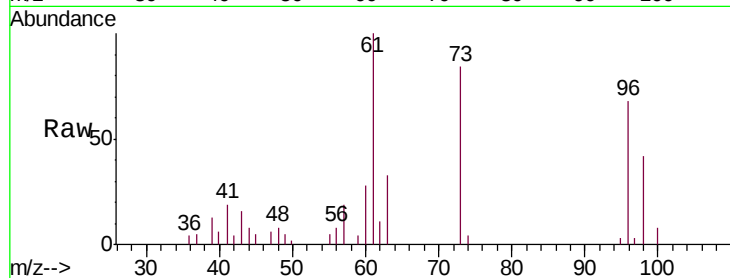
Tgt Ion: 96 Resp: 5429

Ion Ratio Lower Upper

96 100

61 147.5 100.3 186.3

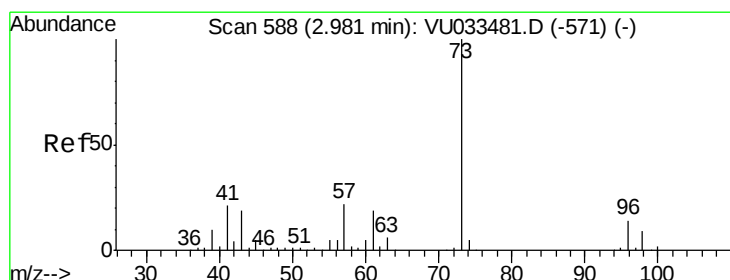
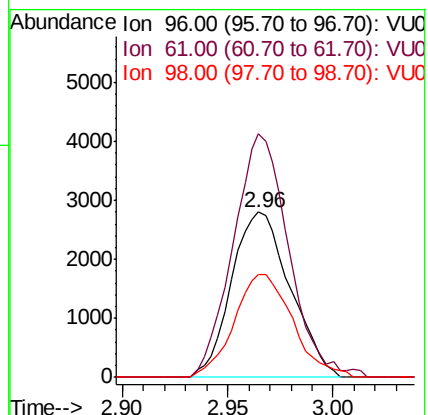
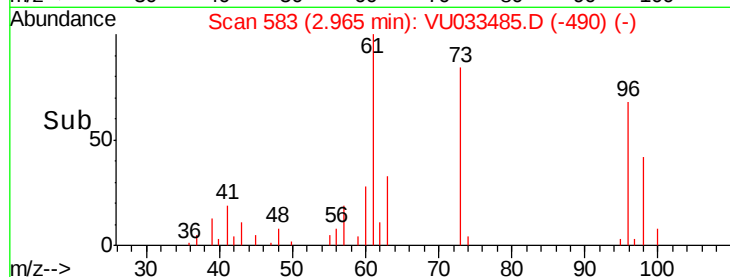
98 62.4 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU033485.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033485.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033485.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 2.427 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

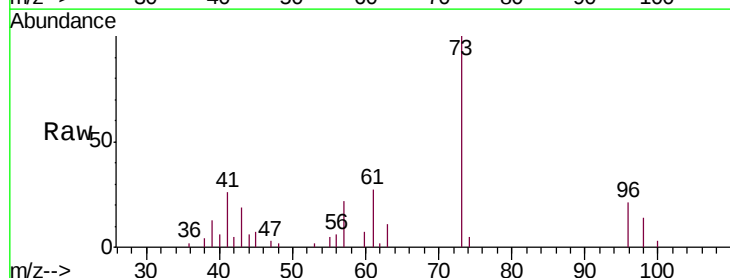
Tgt Ion: 73 Resp: 15308

Ion Ratio Lower Upper

73 100

43 19.2 15.3 22.9

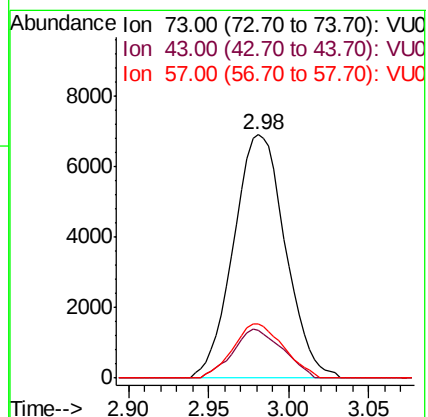
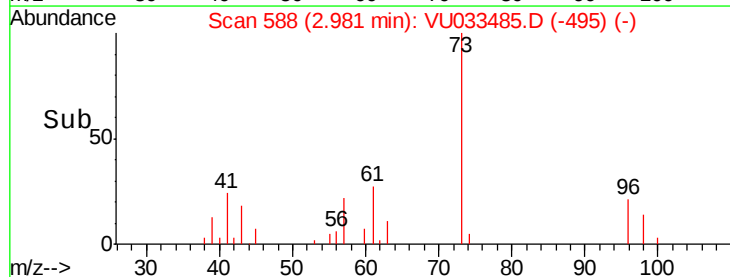
57 21.8 17.7 26.5

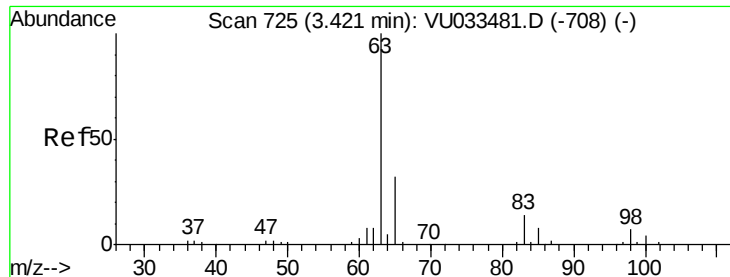


Abundance Ion 73.00 (72.70 to 73.70): VU033485.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU033485.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU033485.D (-495) (-)

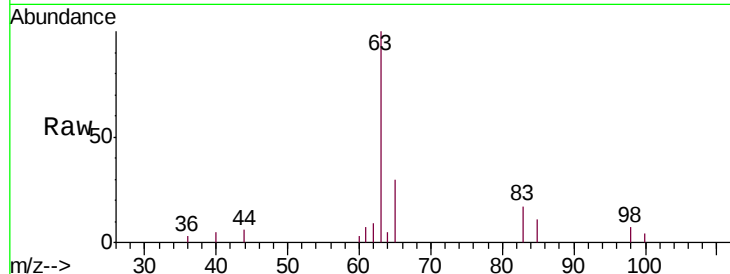




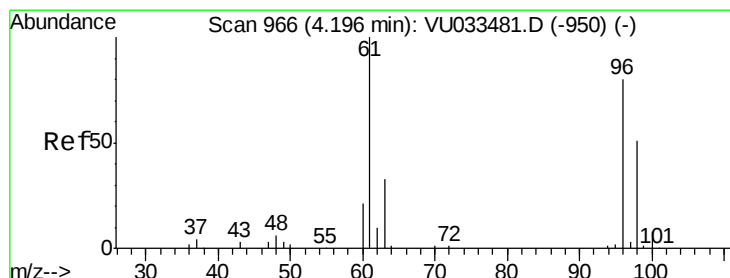
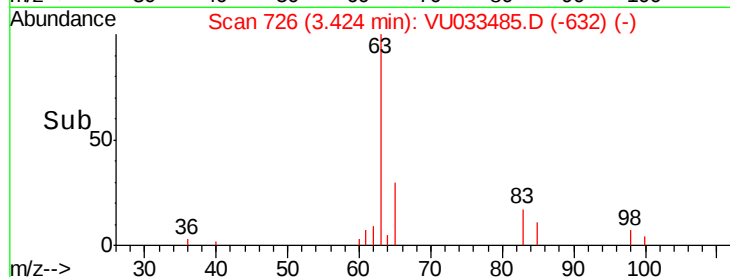
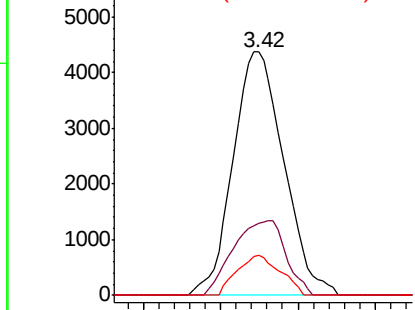
#19
 1,1-Dichloroethane
 Concen: 2.480 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion: 63 Resp: 9981
 Ion Ratio Lower Upper
 63 100
 65 29.8 22.7 42.1
 83 16.5 9.4 17.6

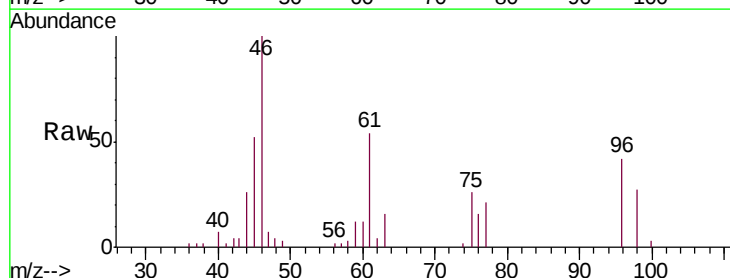


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

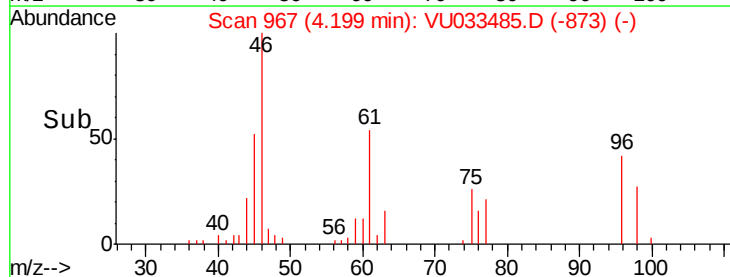
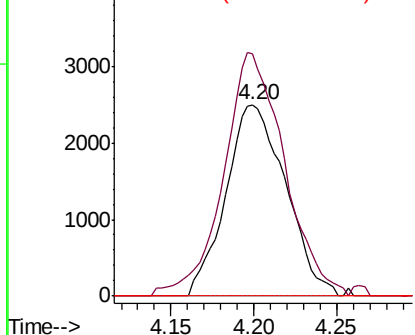


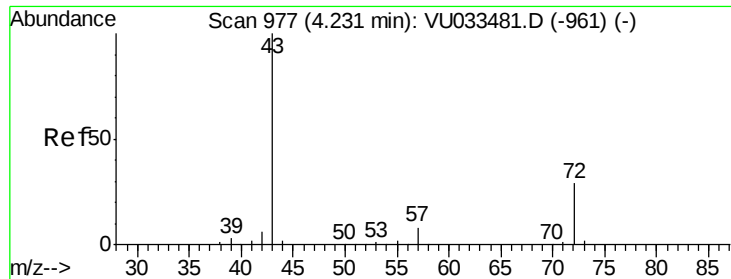
#20
 cis-1,2-Dichloroethene
 Concen: 2.657 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Tgt Ion: 96 Resp: 6269
 Ion Ratio Lower Upper
 96 100
 61 126.4 88.9 165.1
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 4.831 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.02 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampled :

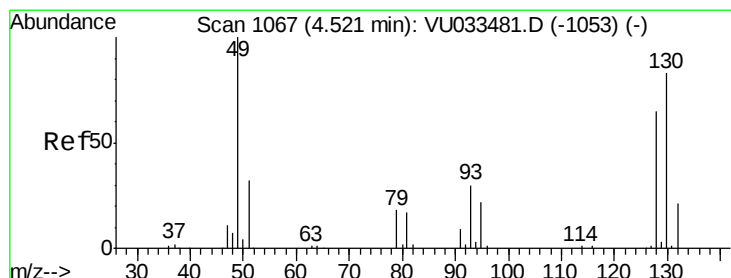
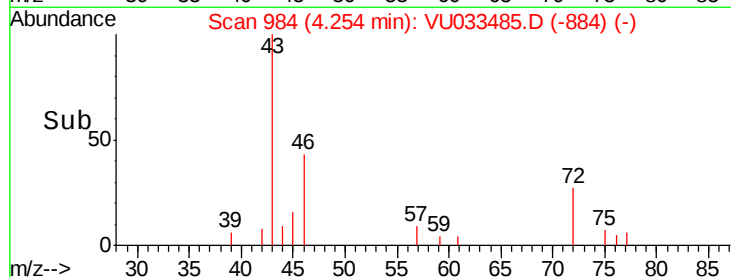
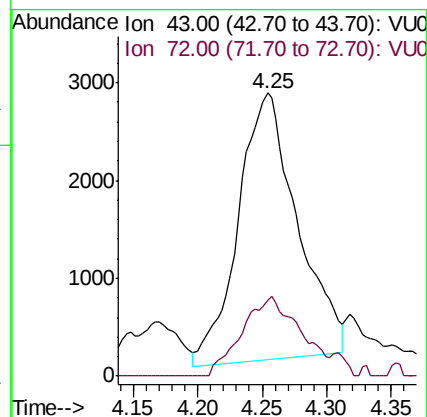
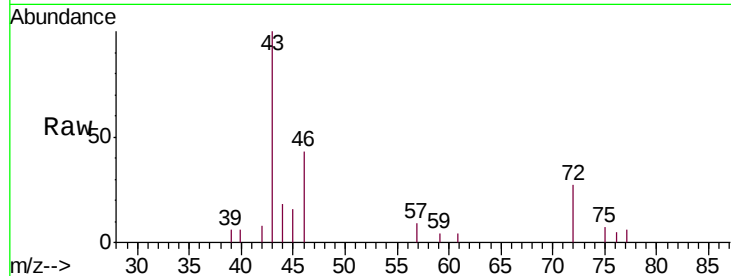
MDL04

Tgt Ion: 43 Resp: 8707

Ion Ratio Lower Upper

43 100

72 29.4 14.1 42.3



#23

Bromochloromethane

Concen: 1.350 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Tgt Ion: 128 Resp: 1691

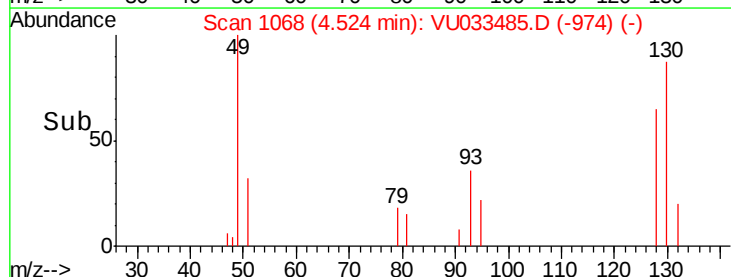
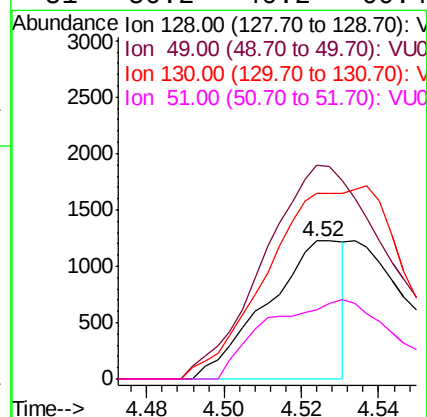
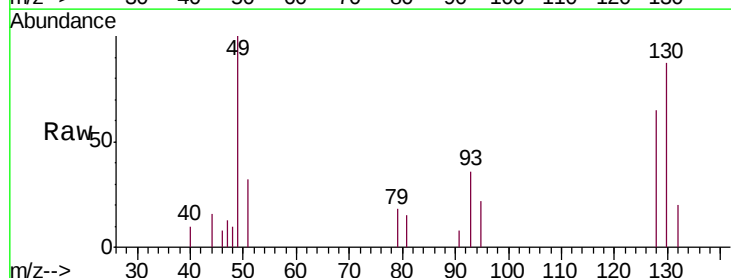
Ion Ratio Lower Upper

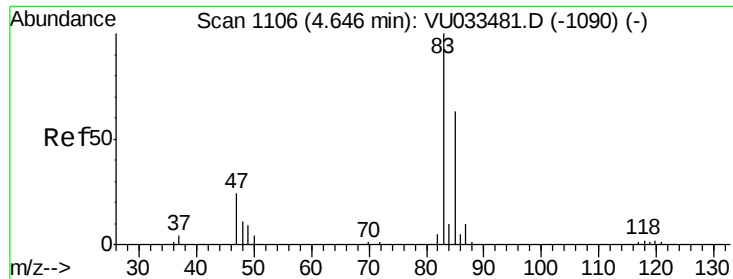
128 100

49 154.7 108.0 200.6

130 134.7 92.9 172.5

51 50.2 40.2 60.4

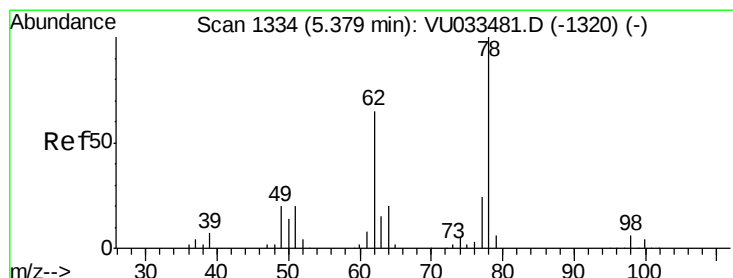
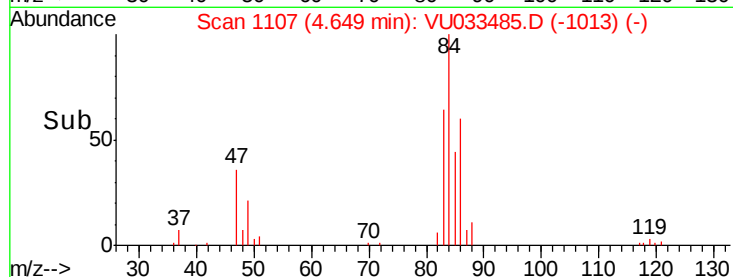
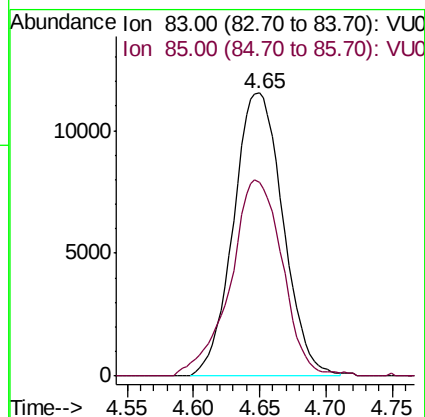
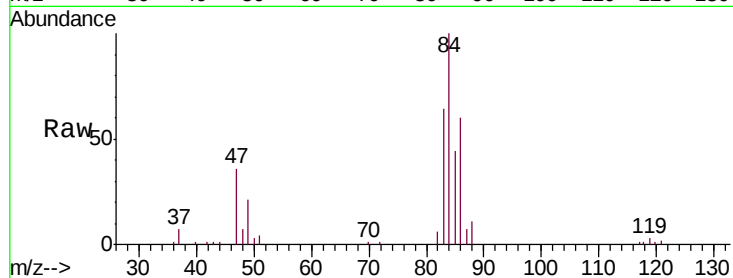




#25
Chloroform
Concen: 7.029 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

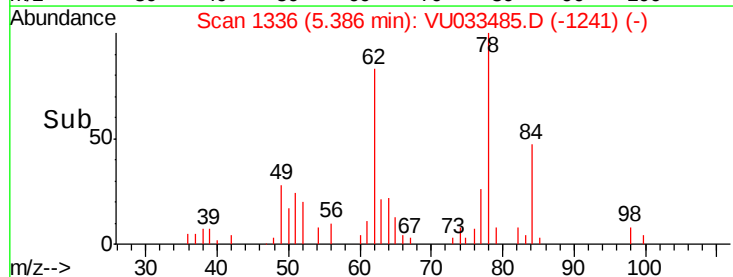
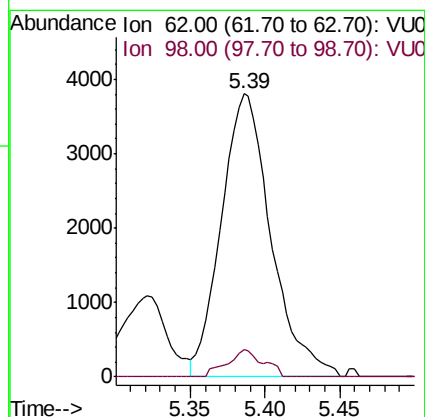
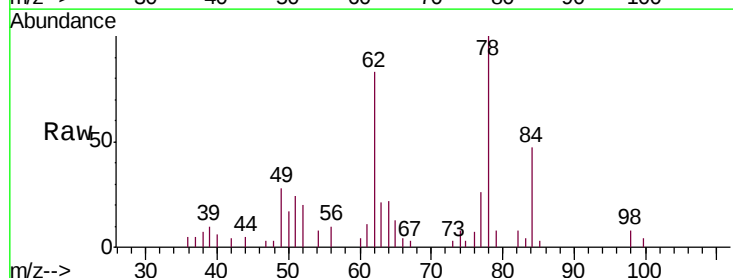
Instrument :
MSVOA_U
ClientSampleId :
MDL04

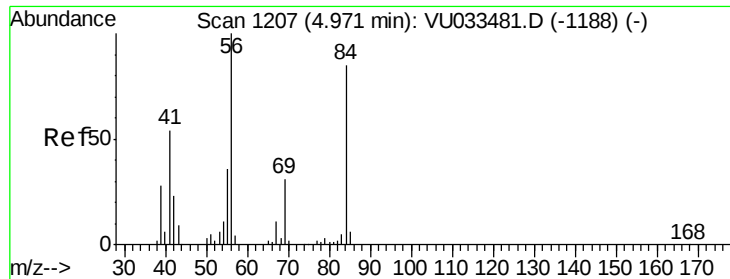
Tgt Ion: 83 Resp: 29992
Ion Ratio Lower Upper
83 100
85 68.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.659 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

Tgt Ion: 62 Resp: 8810
Ion Ratio Lower Upper
62 100
98 9.6 6.7 10.1

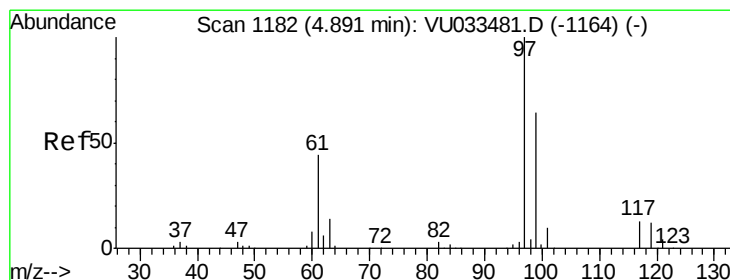
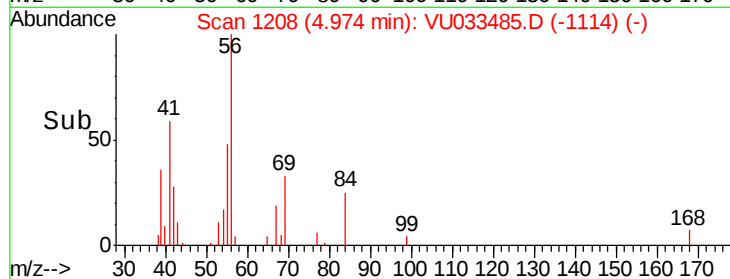
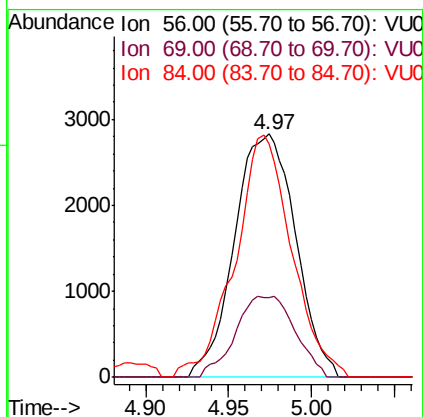
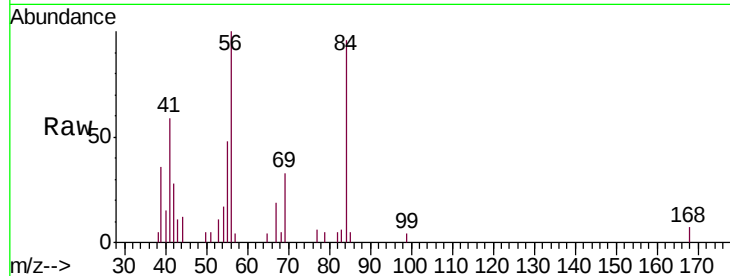




#29
Cyclohexane
Concen: 2.201 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

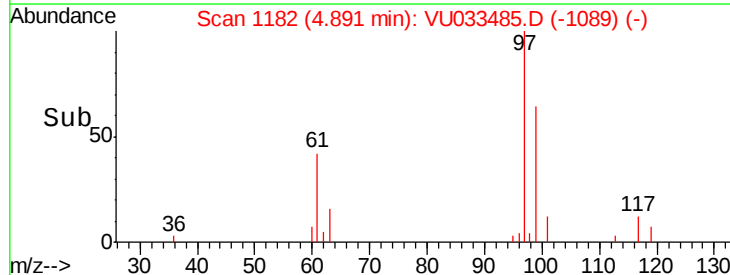
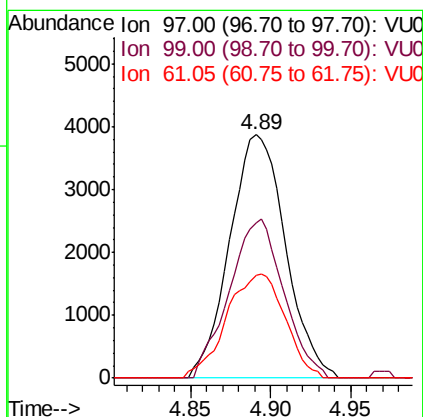
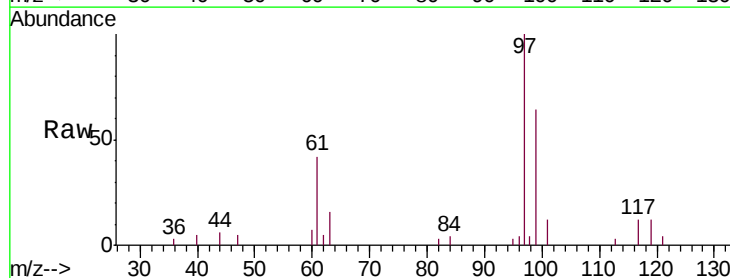
Instrument :
MSVOA_U
ClientSampleId :
MDL04

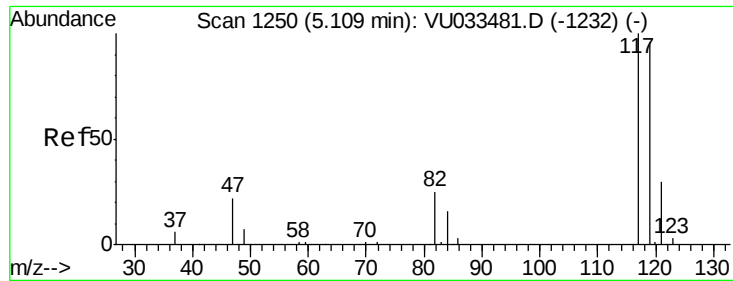
Tgt Ion: 56 Resp: 7253
Ion Ratio Lower Upper
56 100
69 16.4 25.3 37.9#
84 92.4 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 2.594 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

Tgt Ion: 97 Resp: 9262
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.6
61 44.7 36.2 54.2





#31

Carbon tetrachloride

Concen: 2.470 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

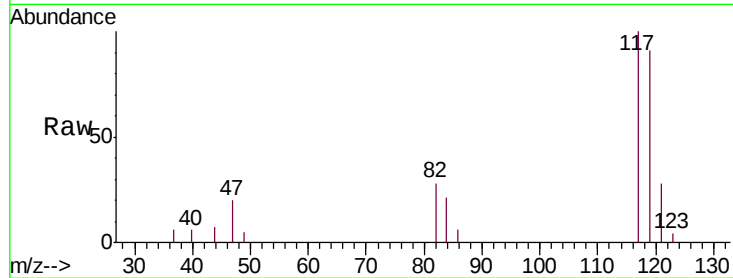
MDL04

Tgt Ion:117 Resp: 7851

Ion Ratio Lower Upper

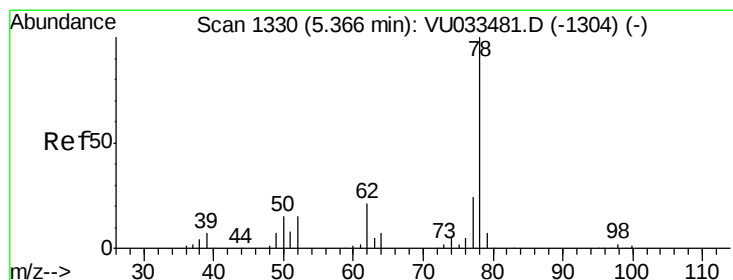
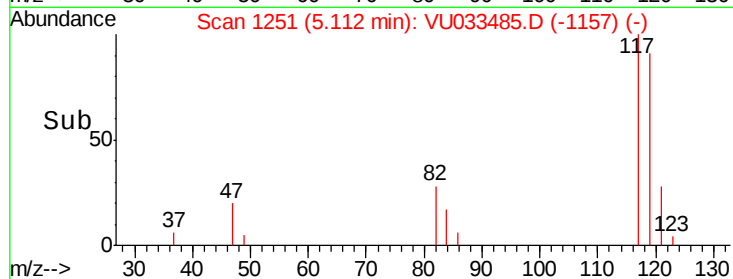
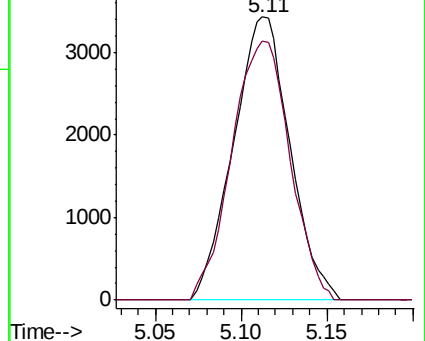
117 100

119 94.2 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: 2.598 ug/L

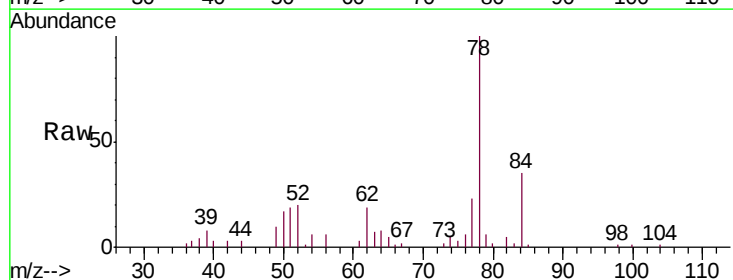
RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Tgt Ion: 78 Resp: 23292



Abundance Ion 78.00 (77.70 to 78.70): VU0

12000

10000

8000

6000

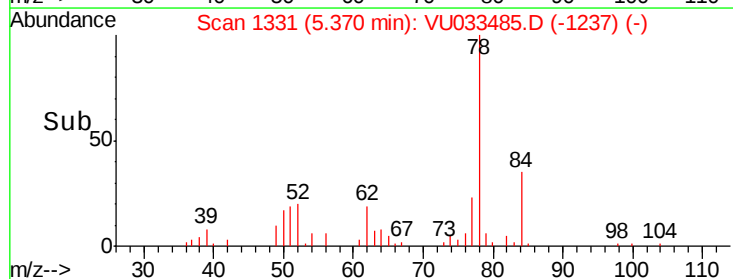
4000

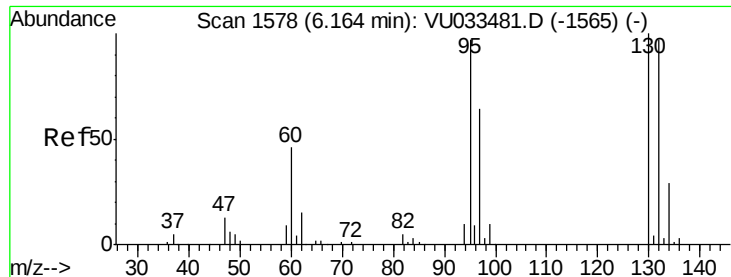
2000

0

5.30 5.35 5.40 5.45

Time-->

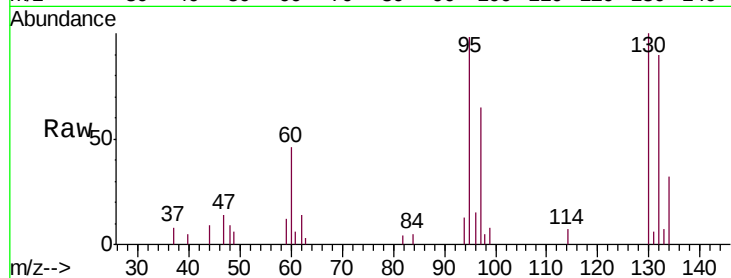




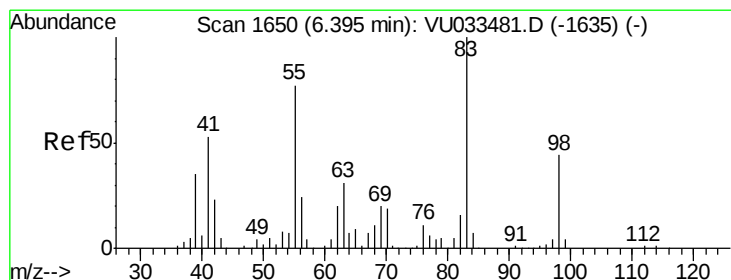
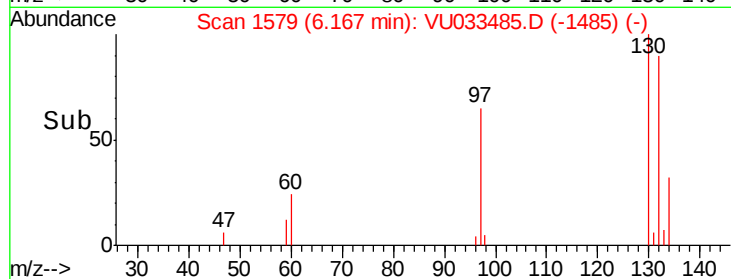
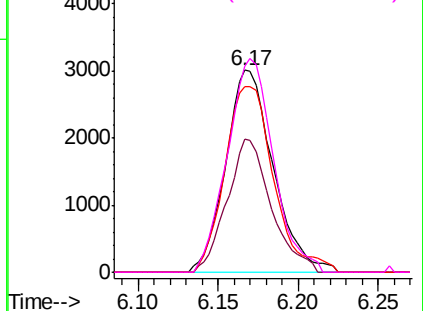
#34
 Trichloroethene
 Concen: 2.616 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tgt Ion: 95 Resp: 6110
 Ion Ratio Lower Upper
 95 100
 97 66.1 45.4 84.2
 132 92.0 67.1 124.5
 130 101.9 71.4 132.6

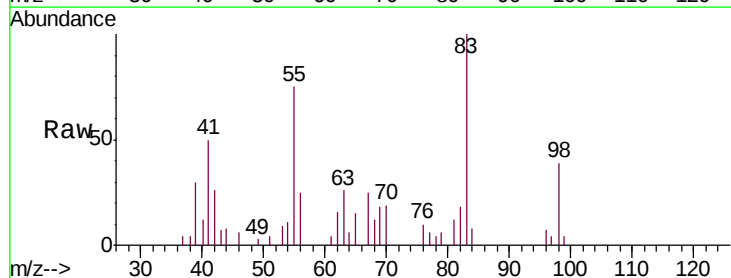


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

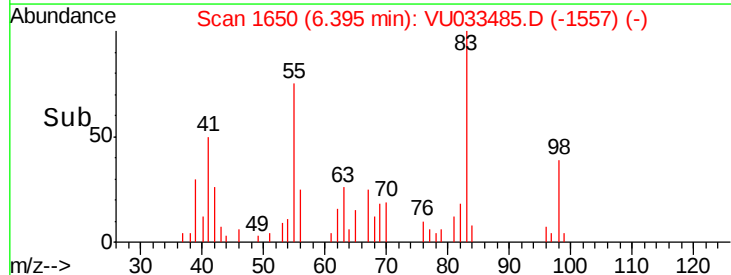
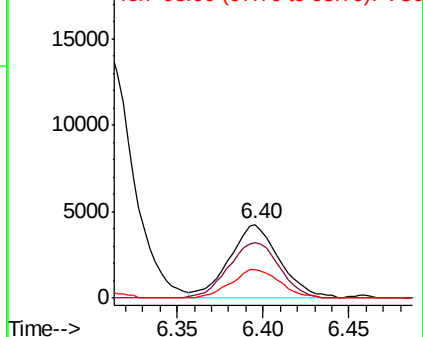


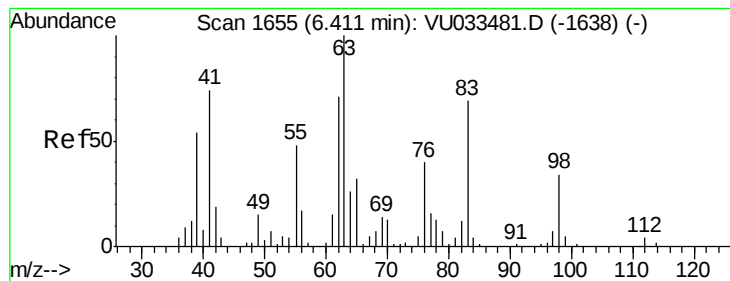
#35
 Methylcyclohexane
 Concen: 2.441 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Tgt Ion: 83 Resp: 8668
 Ion Ratio Lower Upper
 83 100
 55 76.4 62.4 93.6
 98 37.9 37.3 55.9



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: 2.581 ug/L

RT: 6.42 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

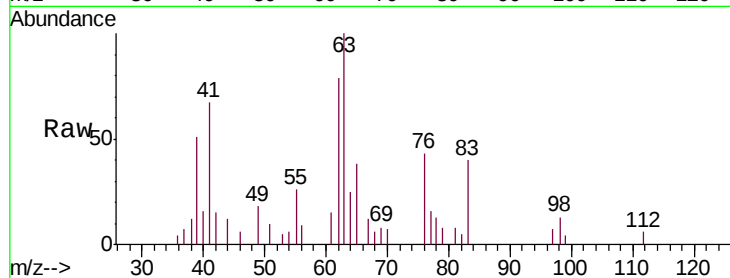
MDL04

Tgt Ion: 63 Resp: 6223

Ion Ratio Lower Upper

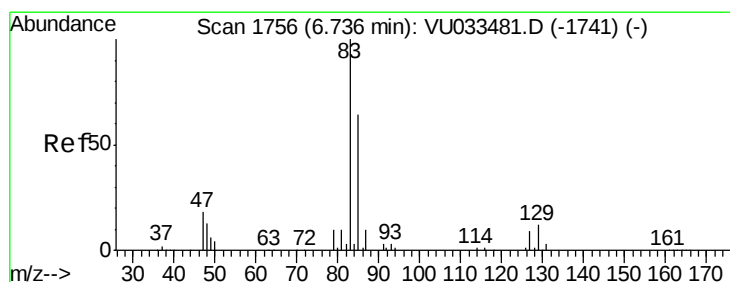
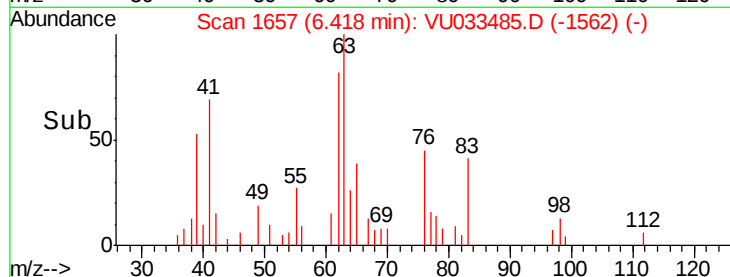
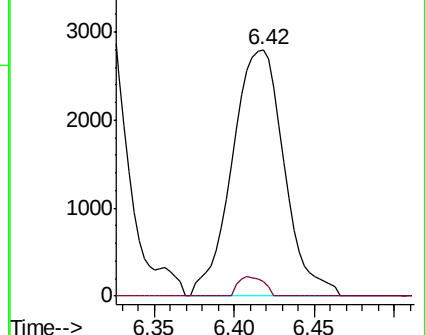
63 100

112 3.7 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU033485.D (-1652) (-)

Ion 112.00 (111.70 to 112.70): VU033485.D (-1652) (-)



#38

Bromodichloromethane

Concen: 2.559 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

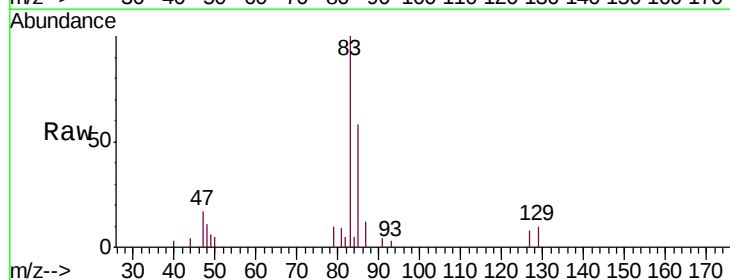
Tgt Ion: 83 Resp: 8120

Ion Ratio Lower Upper

83 100

85 58.4 45.4 84.4

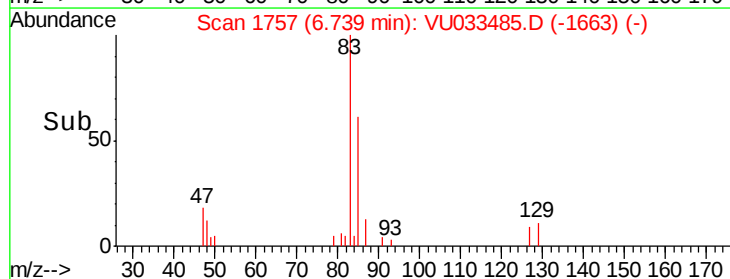
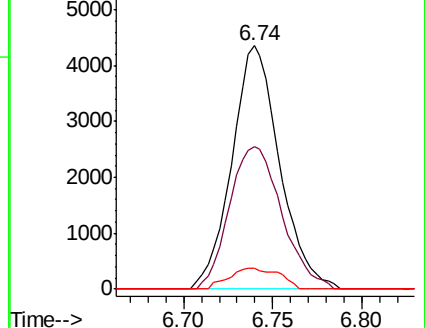
127 8.4 7.3 10.9

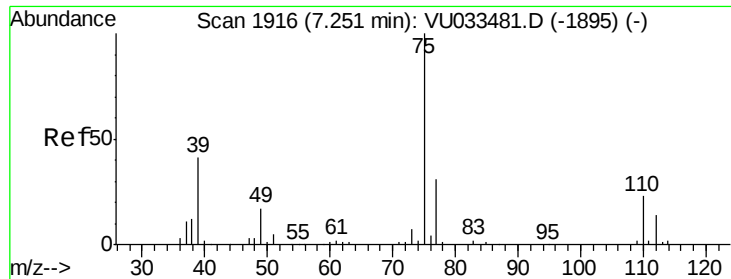


Abundance Ion 83.00 (82.70 to 83.70): VU033485.D (-1663) (-)

Ion 85.00 (84.70 to 85.70): VU033485.D (-1663) (-)

Ion 127.00 (126.70 to 127.70): VU033485.D (-1663) (-)

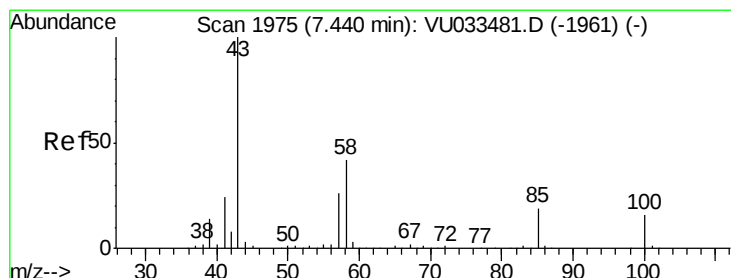
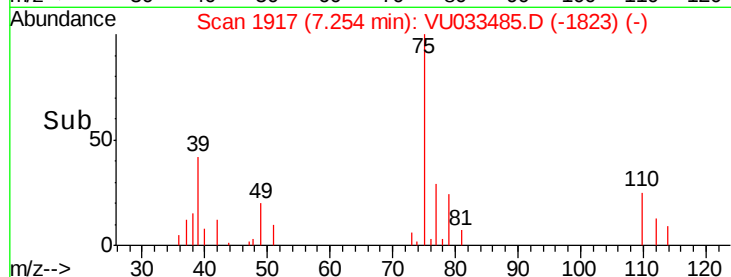
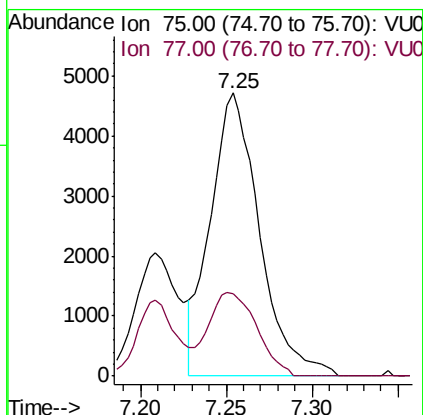
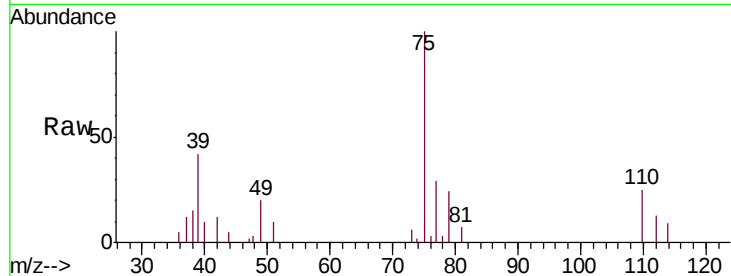




#39
 cis-1,3-Dichloropropene
 Concen: 2.610 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

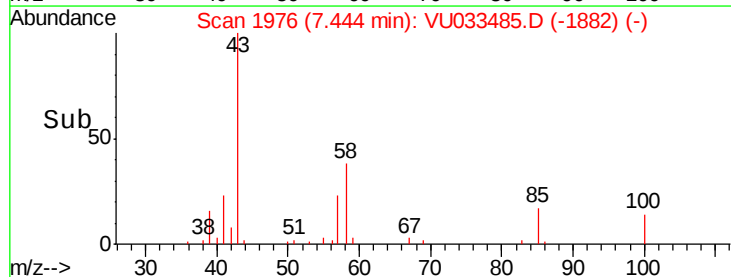
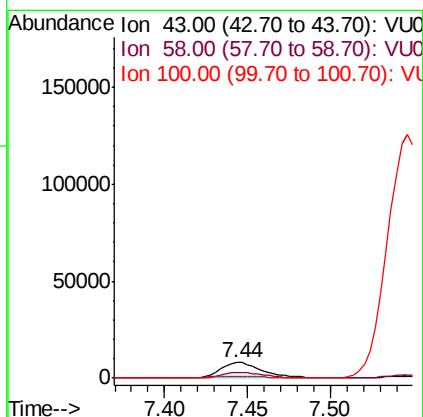
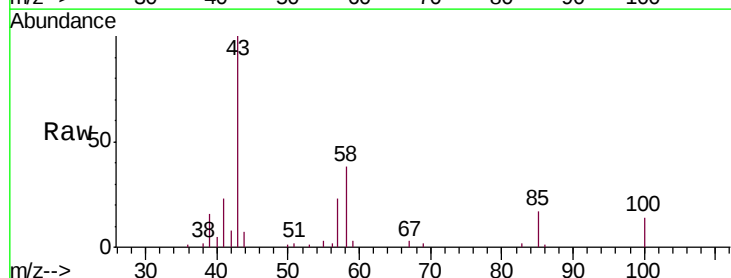
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

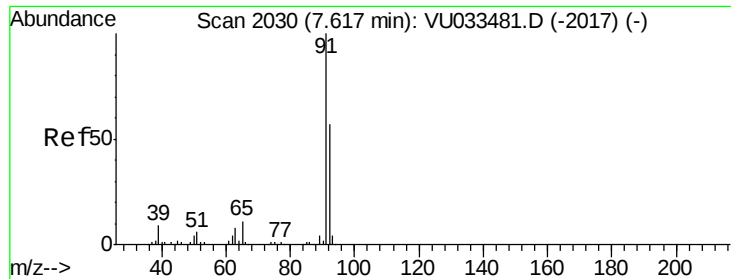
Tgt Ion: 75 Resp: 9383
 Ion Ratio Lower Upper
 75 100
 77 28.9 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 4.513 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Tgt Ion: 43 Resp: 14338
 Ion Ratio Lower Upper
 43 100
 58 39.5 33.4 50.2
 100 14.8 12.3 18.5





#42

Toluene

Concen: 2.554 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

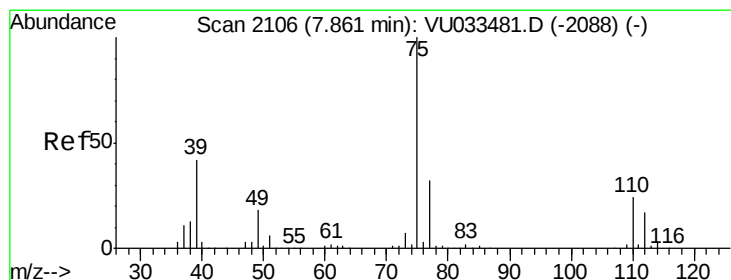
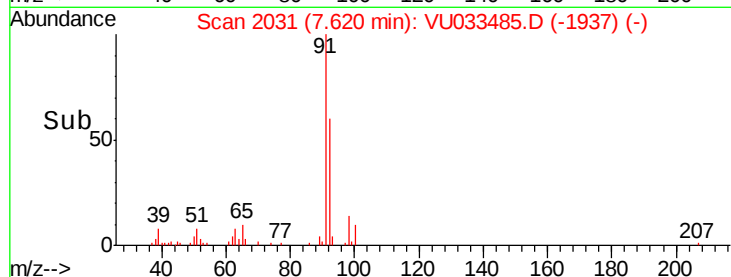
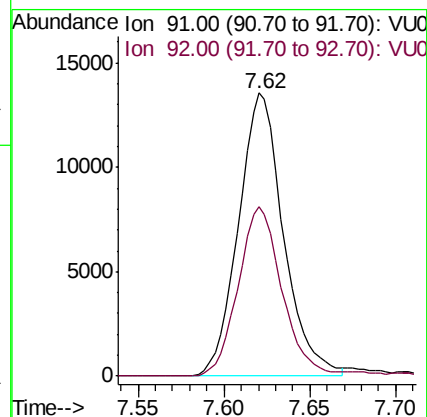
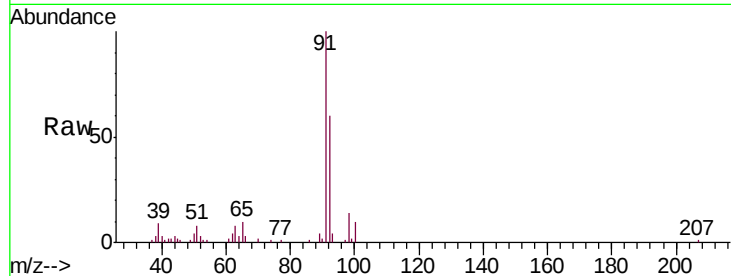
MDL04

Tgt Ion: 91 Resp: 24635

Ion Ratio Lower Upper

91 100

92 59.7 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 2.665 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033485.D

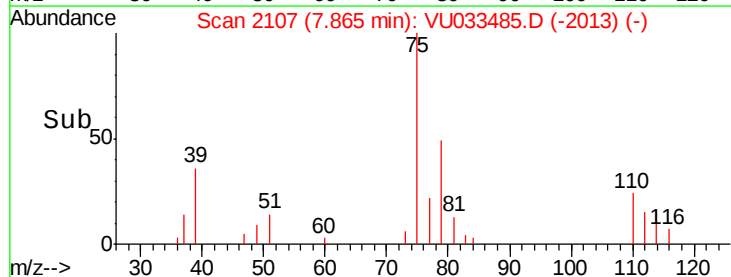
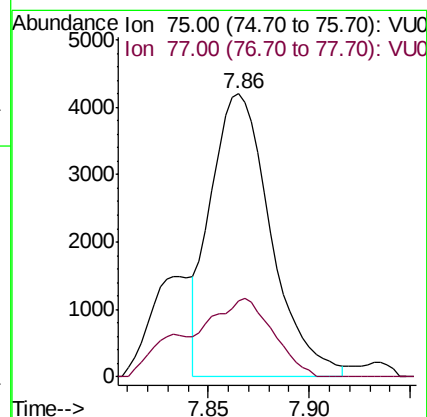
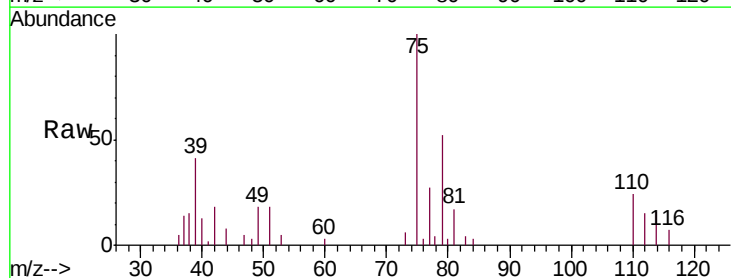
Acq: 30 Jul 2019 11:24

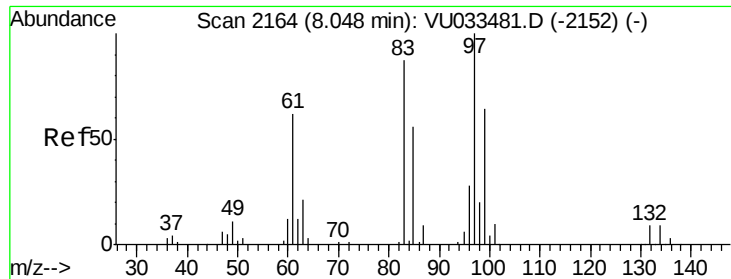
Tgt Ion: 75 Resp: 8697

Ion Ratio Lower Upper

75 100

77 26.6 22.3 41.5

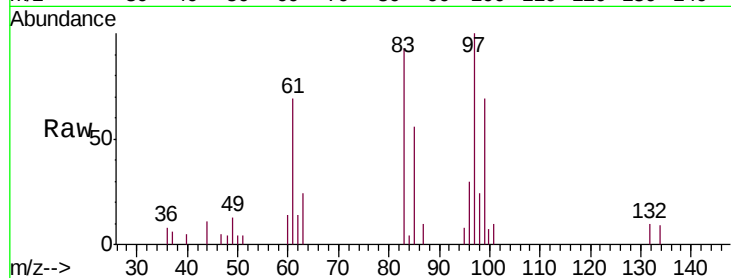




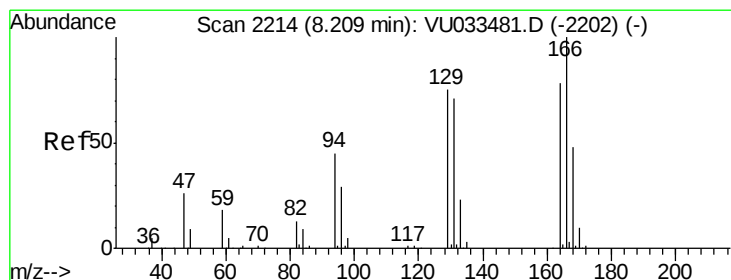
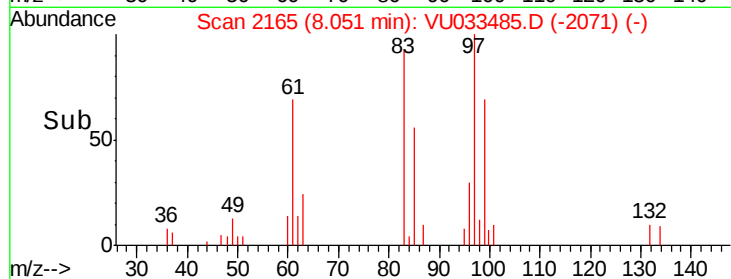
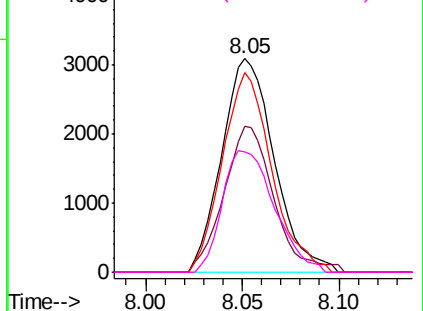
#45
 1,1,2-Trichloroethane
 Concen: 2.529 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:	97	Resp:	5816
Ion	Ratio	Lower	Upper
97	100		
99	68.6	43.3	80.5
83	93.4	61.3	113.9
85	56.5	41.0	76.2

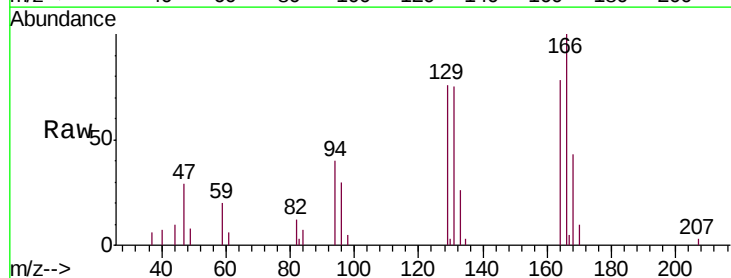


Abundance Ion 97.00 (96.70 to 97.70): VU033485.D (-2164) (-)

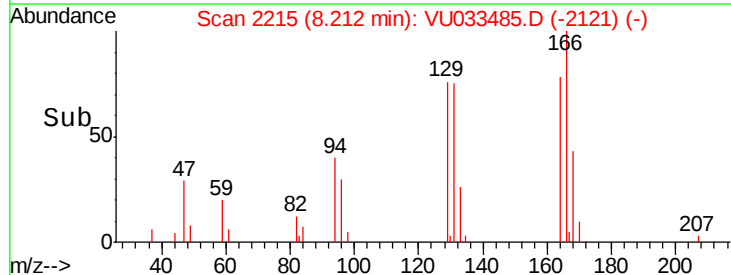
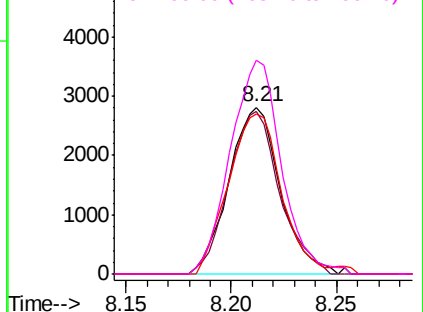


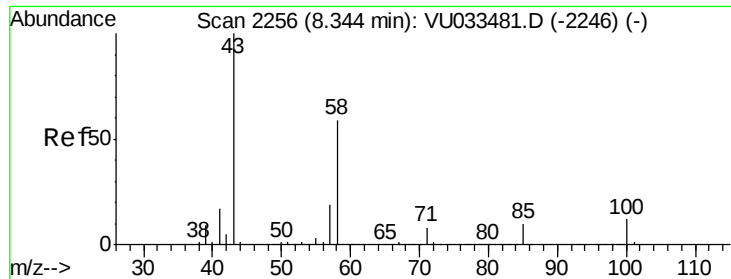
#46
 Tetrachloroethene
 Concen: 2.506 ug/L
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Tgt Ion:	164	Resp:	4762
Ion	Ratio	Lower	Upper
164	100		
129	97.4	66.6	123.8
131	95.7	63.9	118.7
166	127.9	90.5	168.1



Abundance Ion 164.00 (163.70 to 164.70): VU033485.D (-2214) (-)

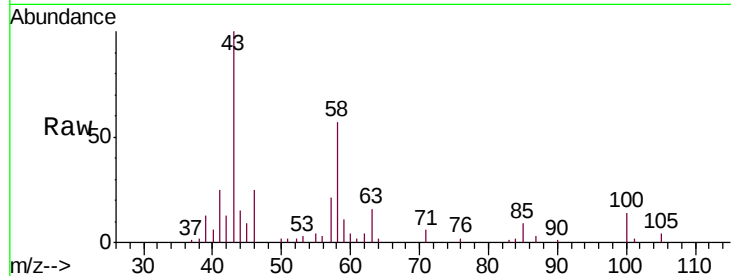




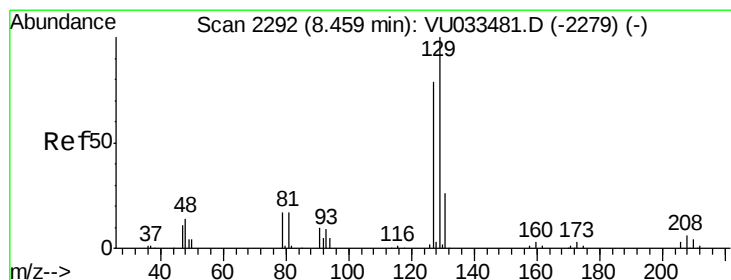
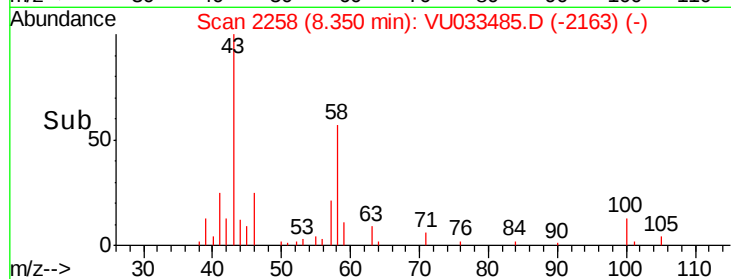
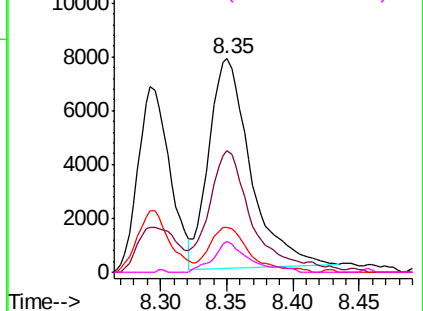
#48
2-Hexanone
Concen: 6.582 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:	43	Resp:	17036
Ion	Ratio	Lower	Upper
43	100		
58	51.0	46.6	69.8
57	17.3	16.0	24.0
100	12.5	9.5	14.3

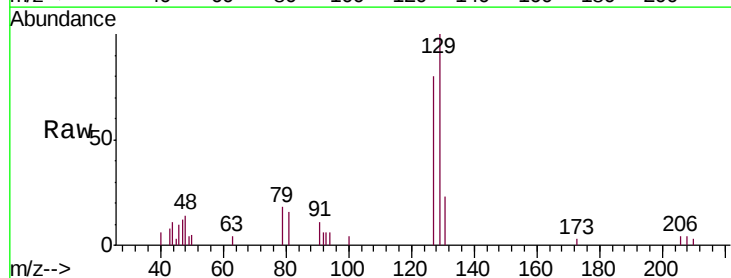


Abundance Ion 43.00 (42.70 to 43.70): VU033485.D (-2163) (-)

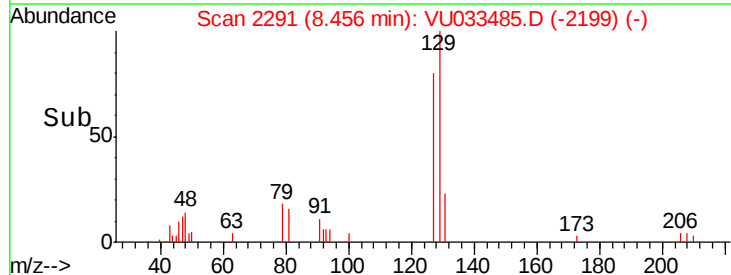
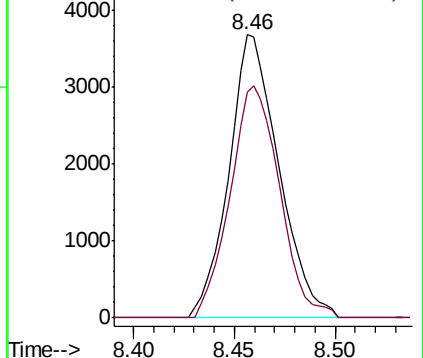


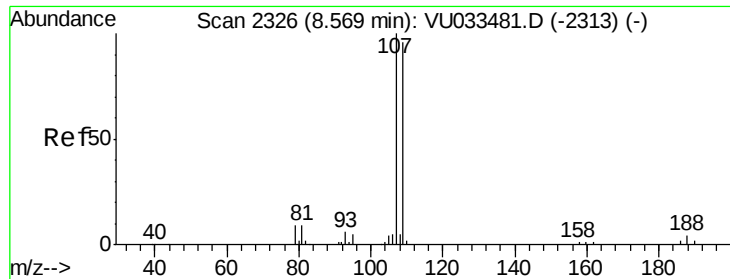
#49
Dibromochloromethane
Concen: 2.479 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

Tgt Ion:	129	Resp:	6382
Ion	Ratio	Lower	Upper
129	100		
127	79.6	54.5	101.1



Abundance Ion 129.00 (128.70 to 129.70): VU033485.D (-2199) (-)

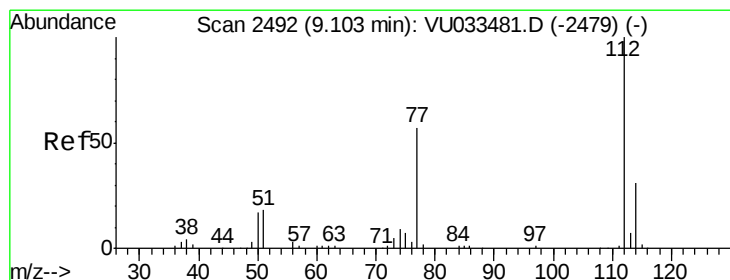
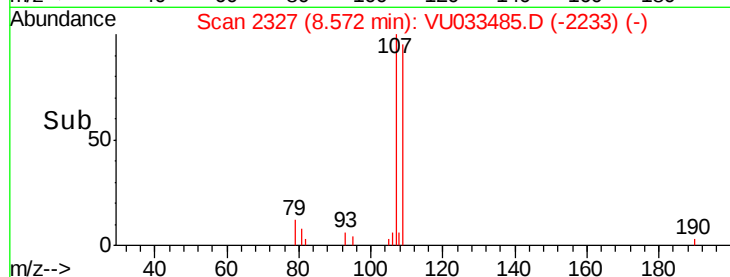
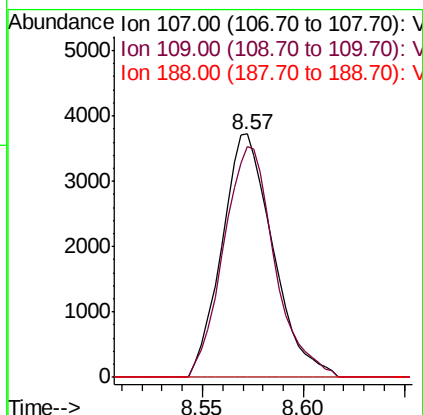
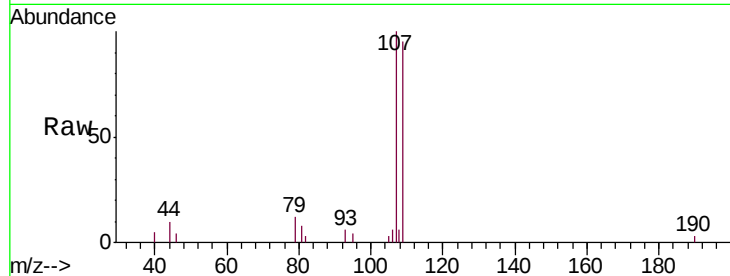




#50
1,2-Dibromoethane
Concen: 2.638 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

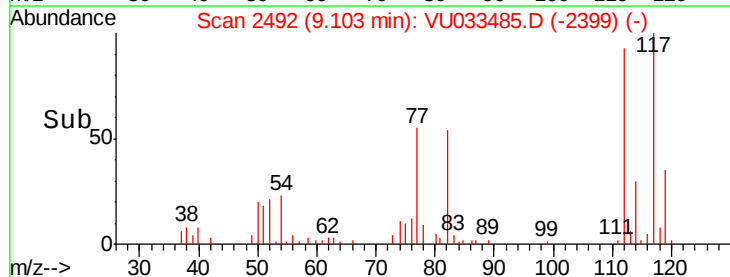
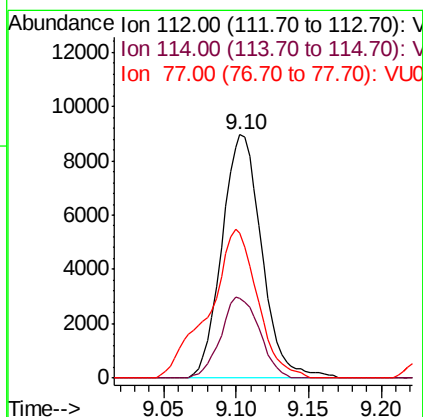
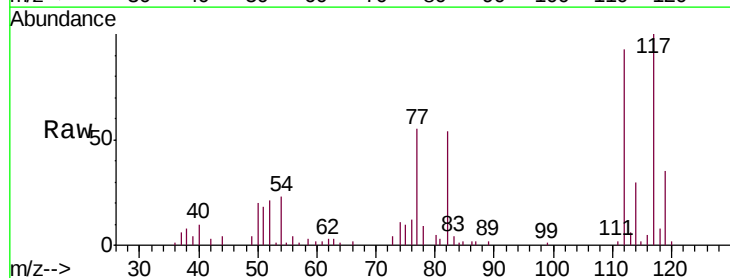
Instrument :
MSVOA_U
ClientSampleId :
MDL04

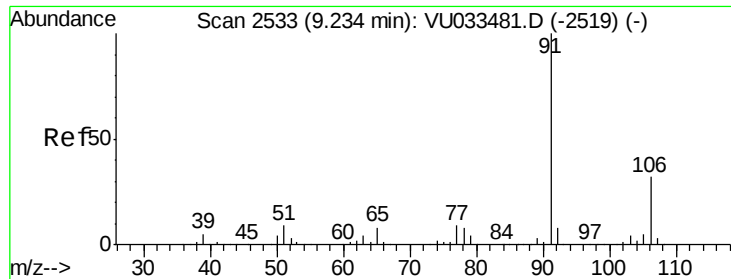
Tgt Ion:107 Resp: 6581
Ion Ratio Lower Upper
107 100
109 94.9 64.7 120.1
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 2.660 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

Tgt Ion:112 Resp: 17050
Ion Ratio Lower Upper
112 100
114 32.7 21.9 40.7
77 59.6 46.1 69.1





#52

Ethylbenzene

Concen: 2.375 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

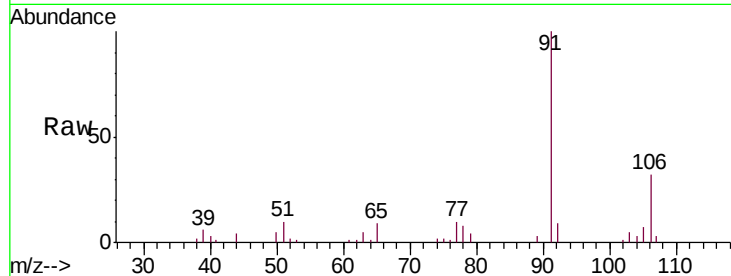
MDL04

Tgt Ion: 91 Resp: 24835

Ion Ratio Lower Upper

91 100

106 32.4 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU033485.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033485.D (-2519) (-)

9.23

15000

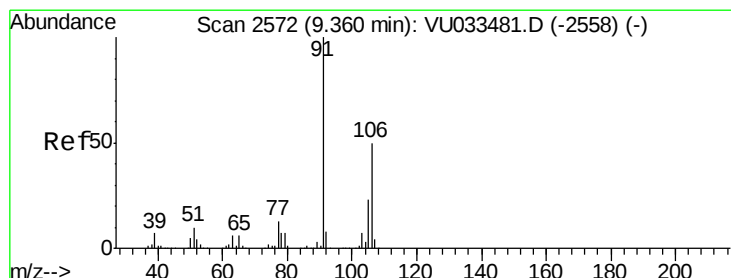
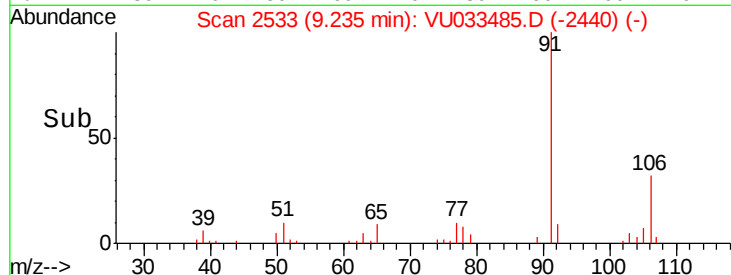
10000

5000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 2.253 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033485.D

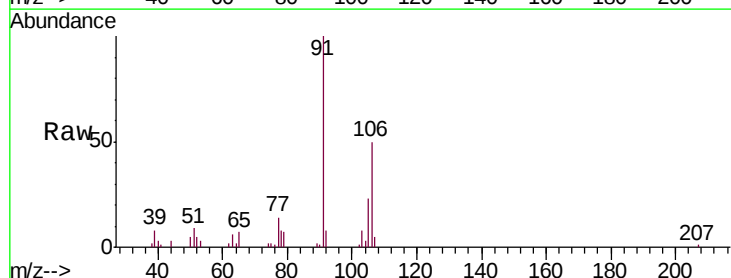
Acq: 30 Jul 2019 11:24

Tgt Ion: 106 Resp: 8859

Ion Ratio Lower Upper

106 100

91 200.8 140.7 261.3



Abundance Ion 106.00 (105.70 to 106.70): VU033485.D (-2572) (-)

Ion 91.00 (90.70 to 91.70): VU033485.D (-2572) (-)

9.36

10000

8000

6000

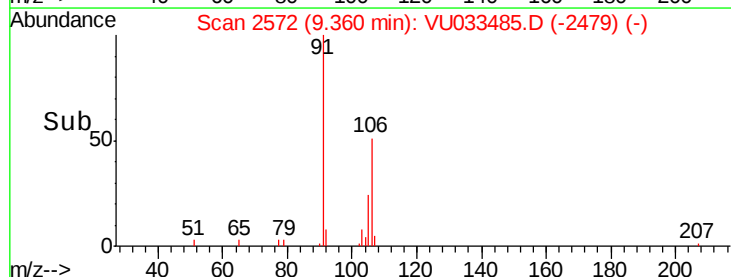
4000

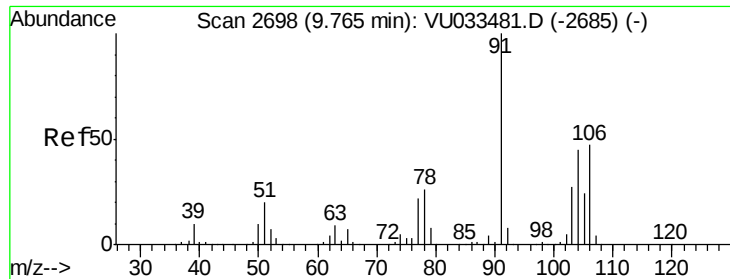
2000

0

9.30 9.35 9.40

Time-->





#54

o-xylene

Concen: 2.199 ug/L

RT: 9.77 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

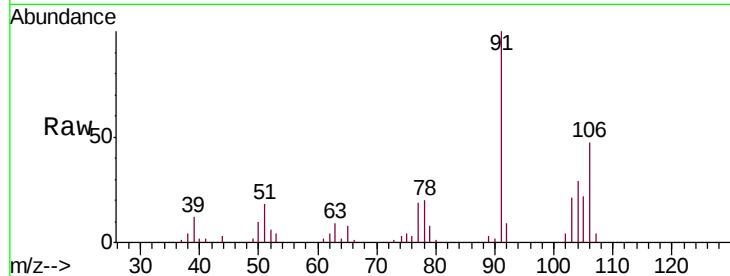
MDL04

Tgt Ion:106 Resp: 8480

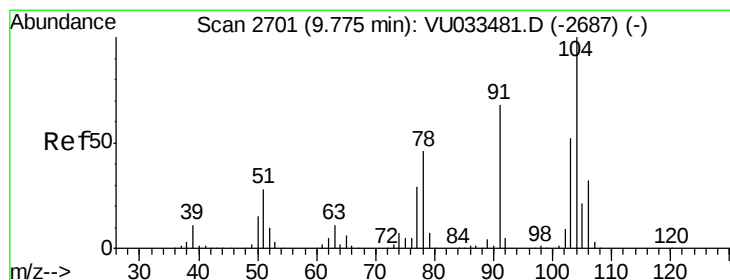
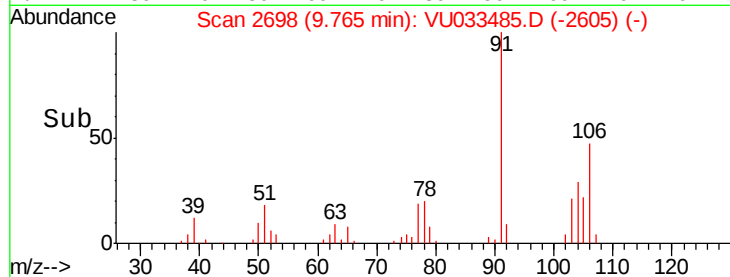
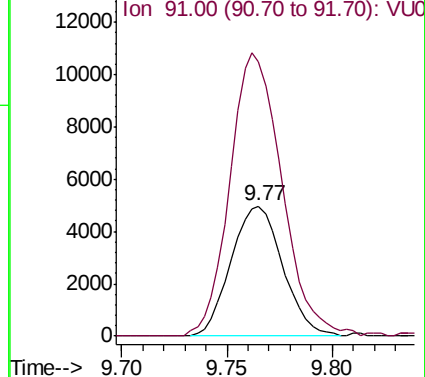
Ion Ratio Lower Upper

106 100

91 211.6 151.1 280.7



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 2.003 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU033485.D

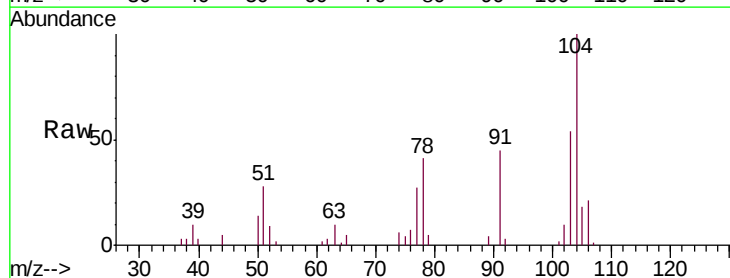
Acq: 30 Jul 2019 11:24

Tgt Ion:104 Resp: 13105

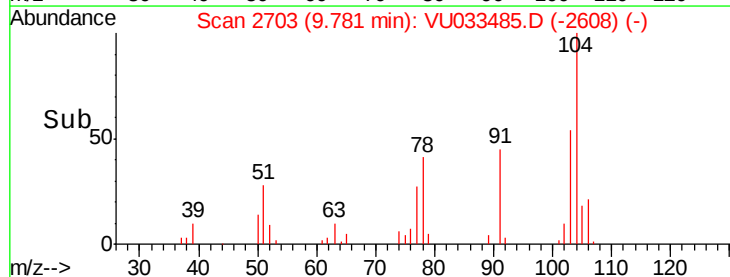
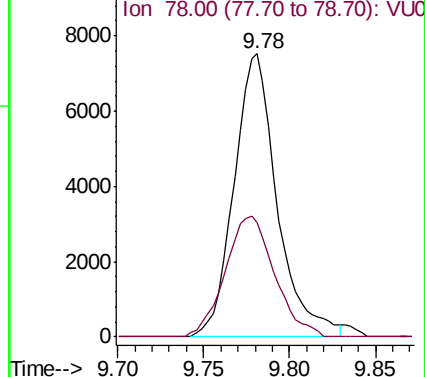
Ion Ratio Lower Upper

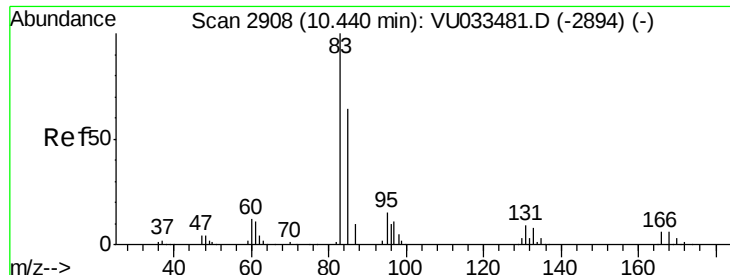
104 100

78 40.6 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V





#57

1,1,2,2-Tetrachloroethane

Concen: 2.708 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

MDL04

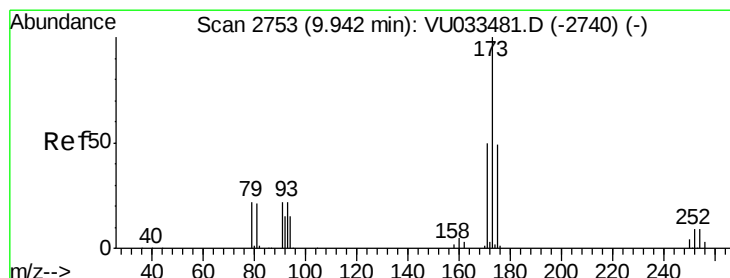
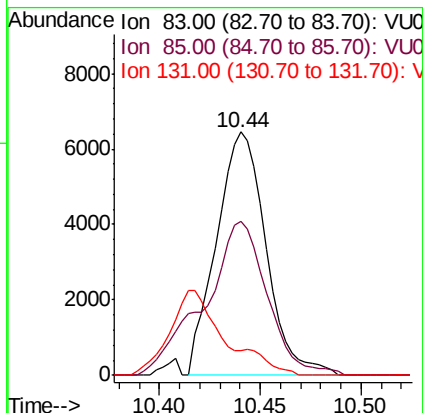
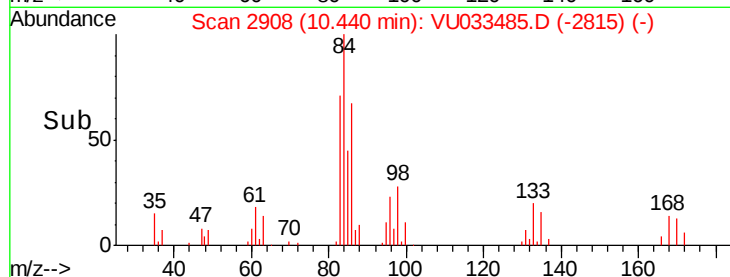
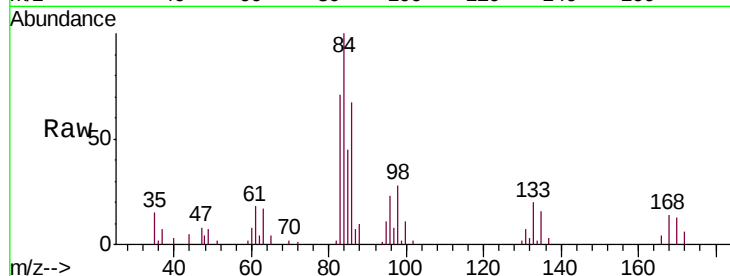
Tgt Ion: 83 Resp: 11069

Ion Ratio Lower Upper

83 100

85 63.5 45.9 85.3

131 10.2 7.8 11.8



#59

Bromoform

Concen: 2.604 ug/L

RT: 9.95 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

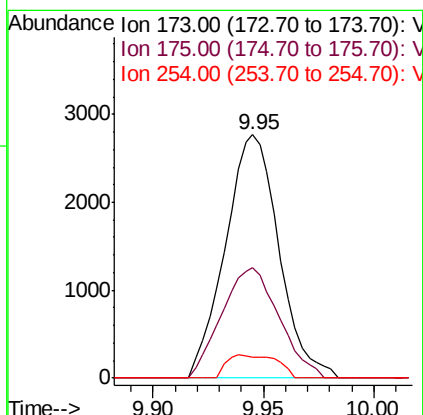
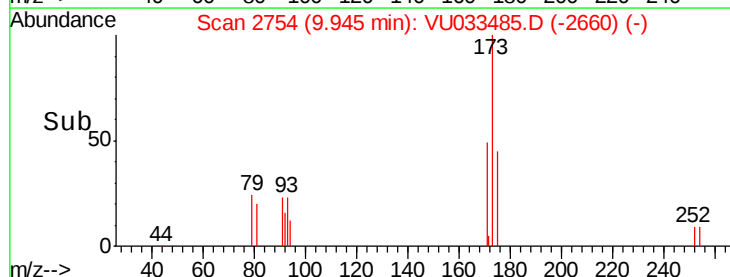
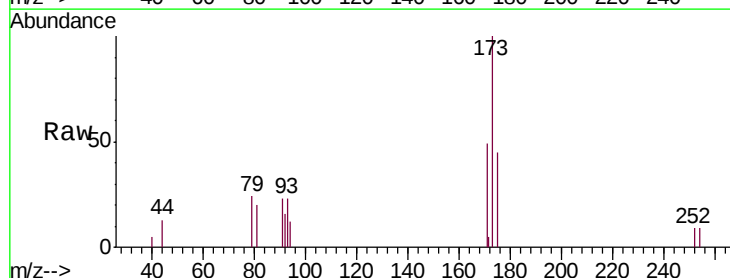
Tgt Ion: 173 Resp: 4675

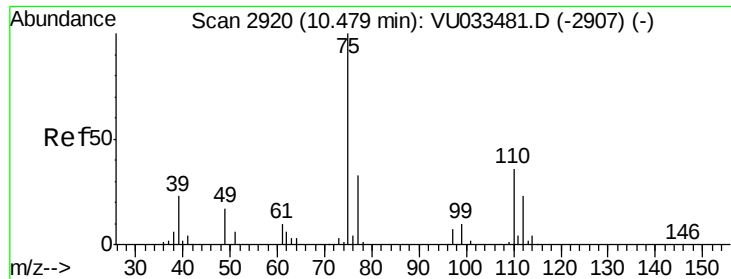
Ion Ratio Lower Upper

173 100

175 48.4 38.1 57.1

254 8.9 7.3 10.9

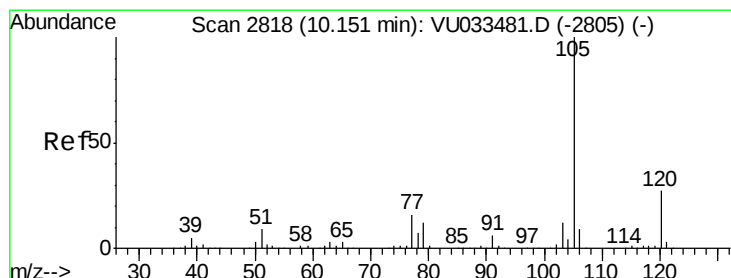
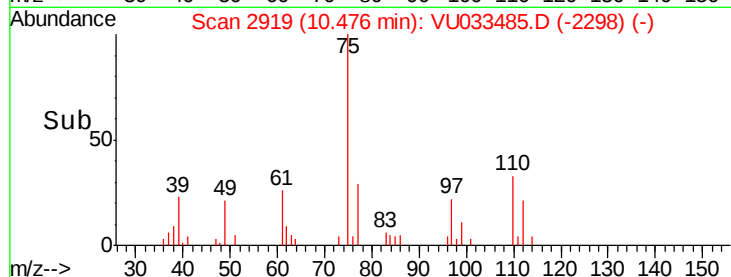
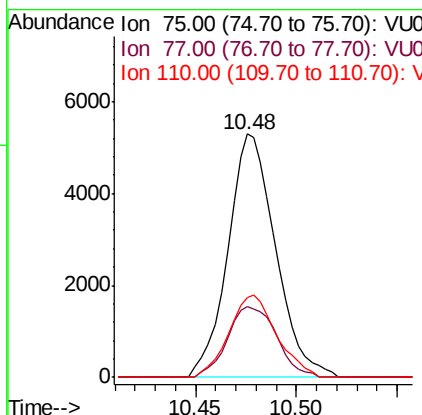
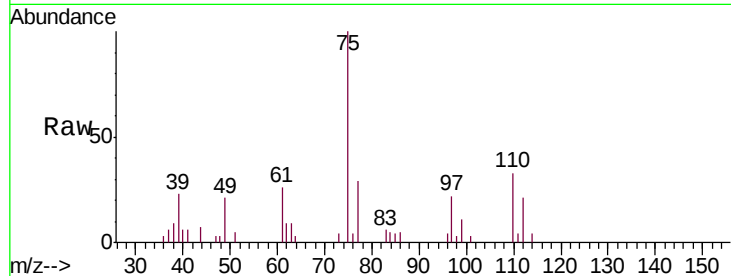




#60
 1,2,3-Trichloropropane
 Concen: 2.984 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

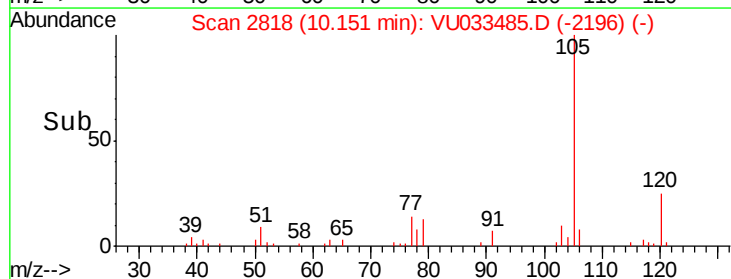
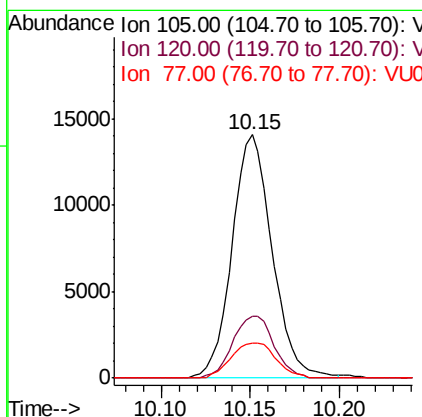
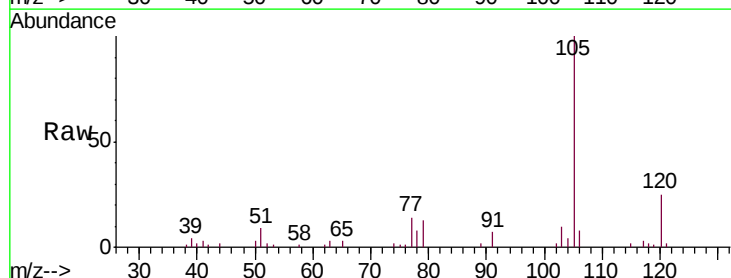
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

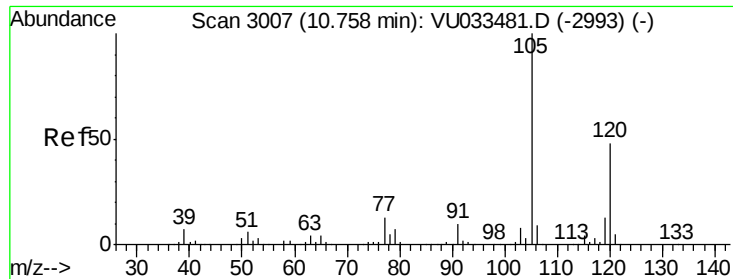
Tgt Ion: 75 Resp: 8724
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.9 38.9
 110 33.9 30.2 45.4



#61
 Isopropylbenzene
 Concen: 2.408 ug/L
 RT: 10.15 min Scan# 2818
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Tgt Ion: 105 Resp: 22137
 Ion Ratio Lower Upper
 105 100
 120 26.1 21.7 32.5
 77 16.1 12.6 19.0

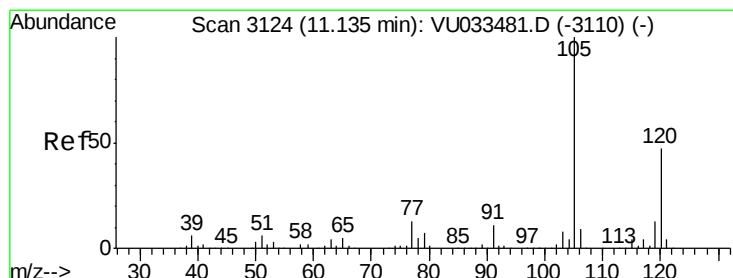
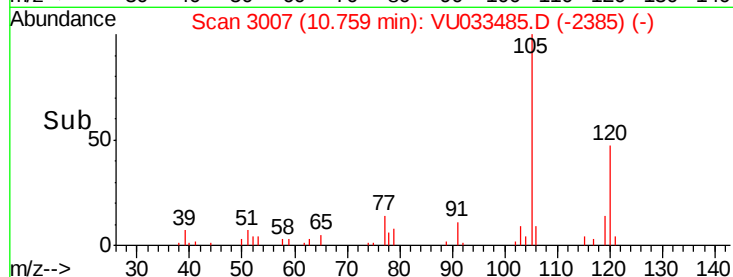
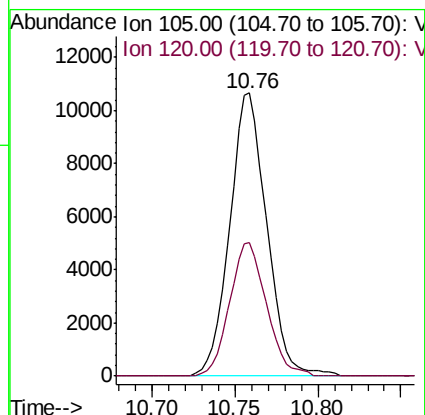
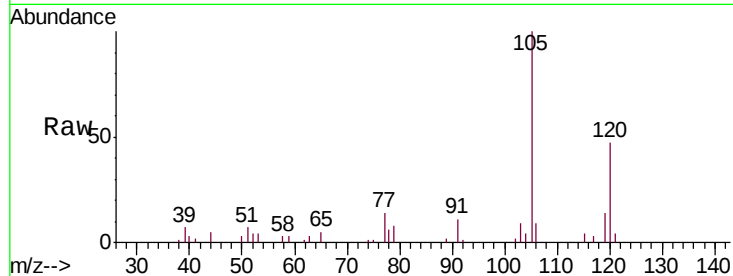




#62
 1,3,5-Trimethylbenzene
 Concen: 2.219 ug/L
 RT: 10.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

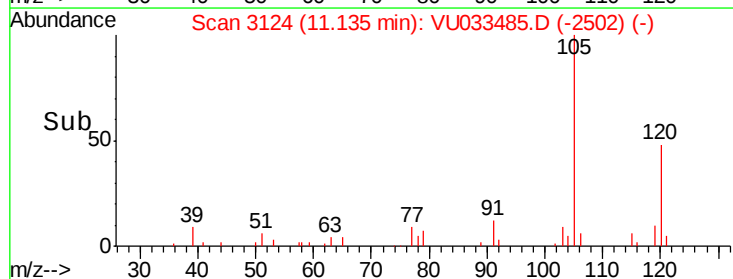
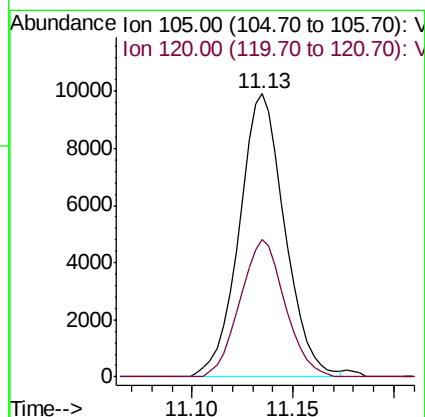
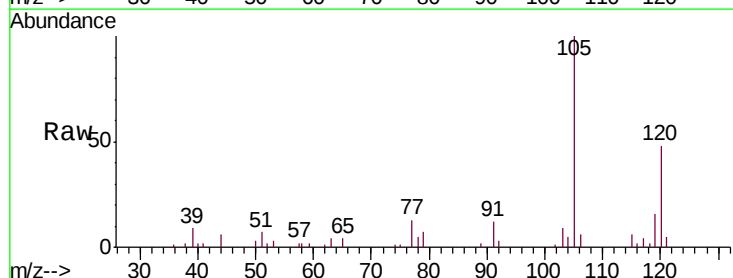
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

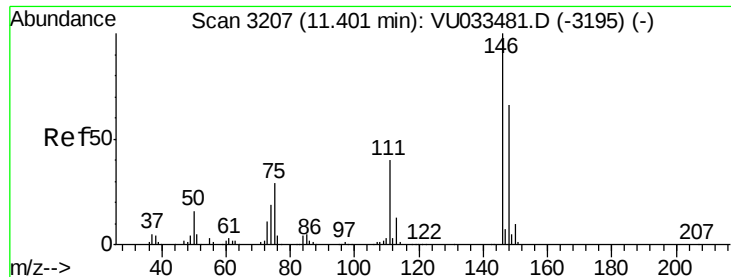
Tgt Ion:105 Resp: 16531
 Ion Ratio Lower Upper
 105 100
 120 46.8 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 2.125 ug/L
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Tgt Ion:105 Resp: 15701
 Ion Ratio Lower Upper
 105 100
 120 47.8 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 2.659 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

MDL04

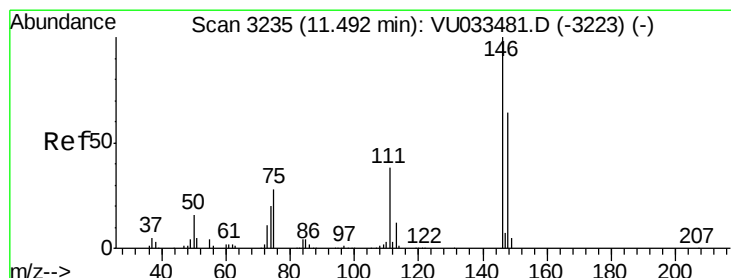
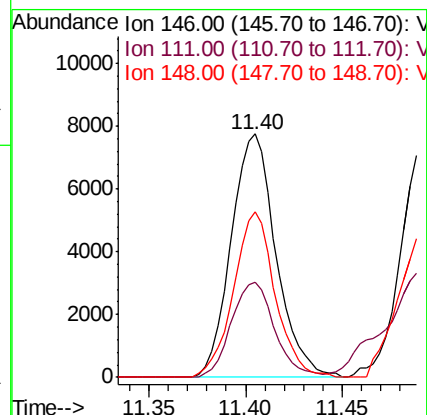
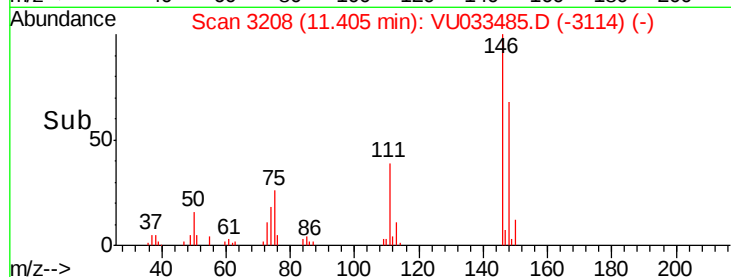
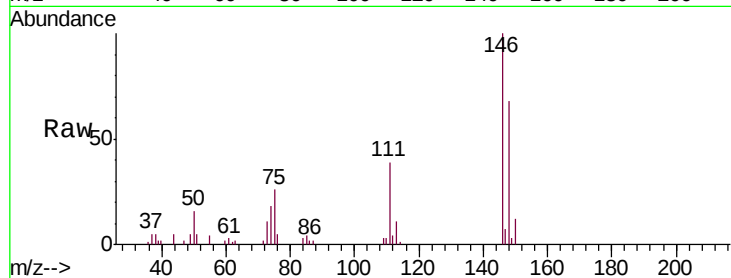
Tgt Ion:146 Resp: 12460

Ion Ratio Lower Upper

146 100

111 38.9 28.2 52.4

148 68.1 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 2.687 ug/L

RT: 11.49 min Scan# 3236

Delta R.T. 0.00 min

Lab File: VU033485.D

Acq: 30 Jul 2019 11:24

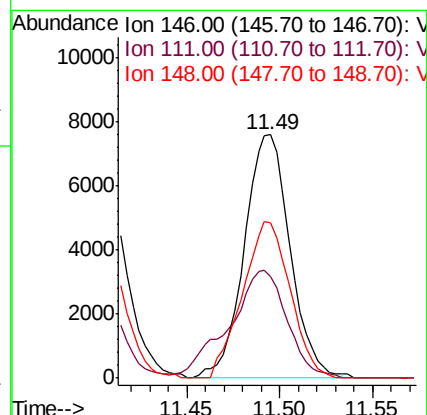
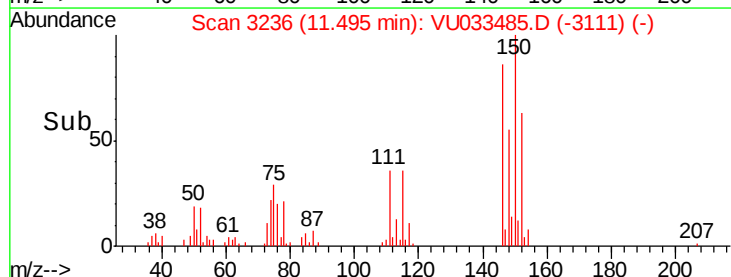
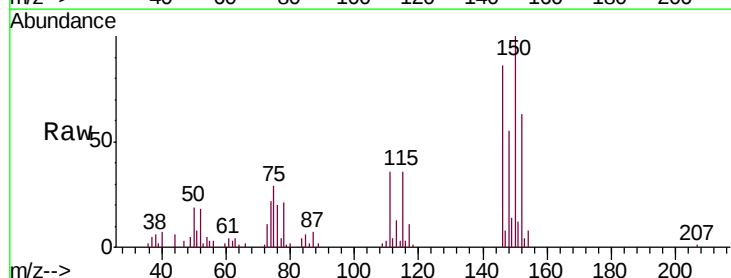
Tgt Ion:146 Resp: 13006

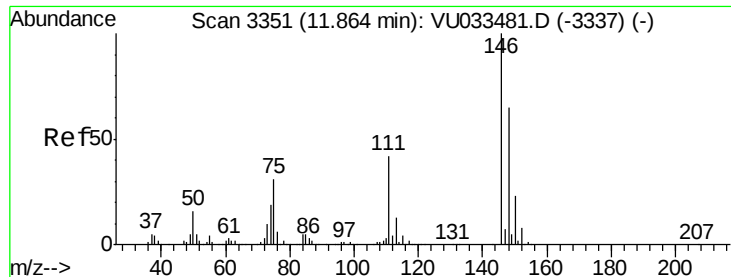
Ion Ratio Lower Upper

146 100

111 42.0 27.0 50.2

148 63.8 44.7 82.9

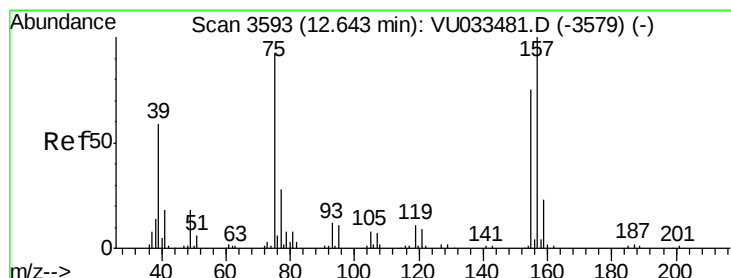
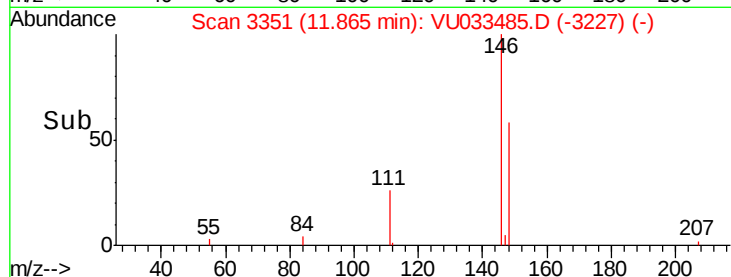
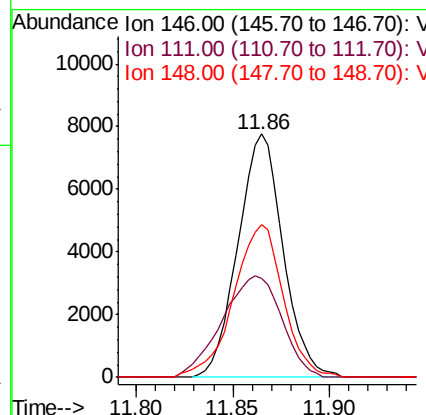
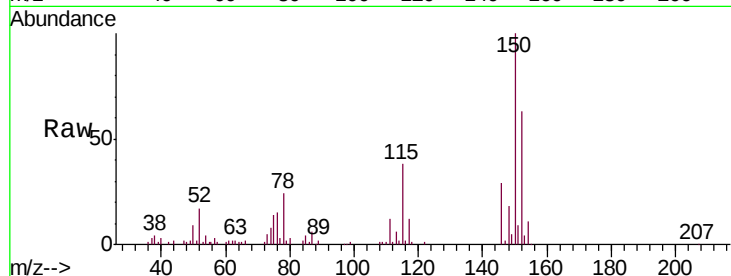




#67
 1,2-Dichlorobenzene
 Concen: 2.691 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

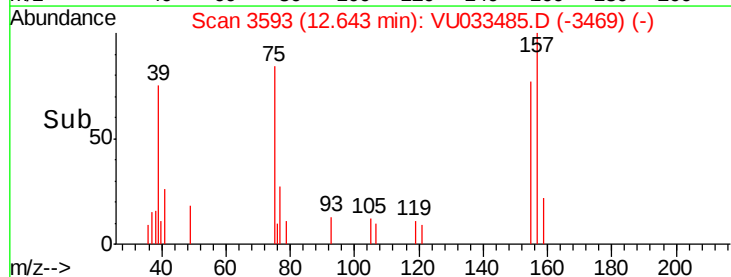
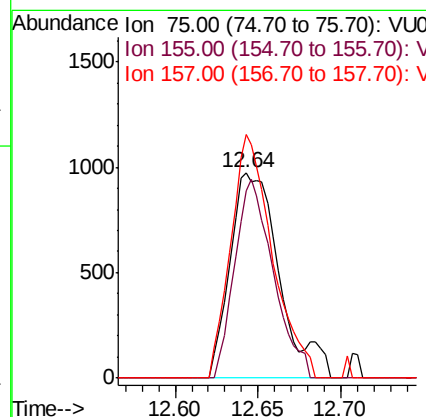
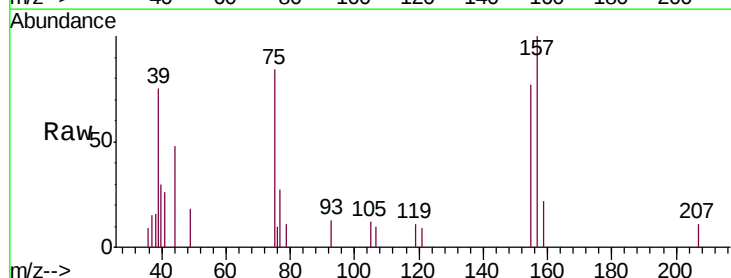
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

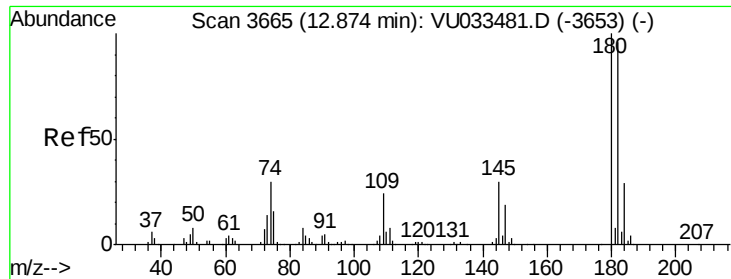
Tgt Ion: 146 Resp: 12632
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.8 49.2
 148 62.8 49.2 73.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.468 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Tgt Ion: 75 Resp: 2006
 Ion Ratio Lower Upper
 75 100
 155 91.5 64.8 97.2
 157 118.6 87.1 130.7

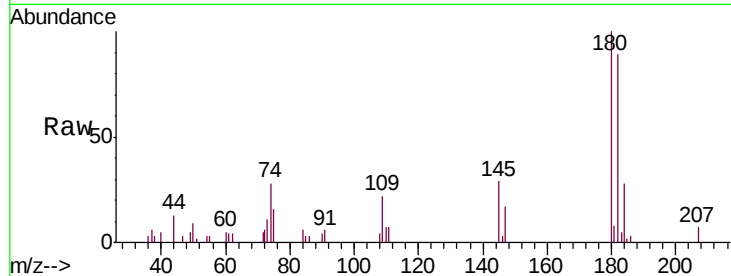




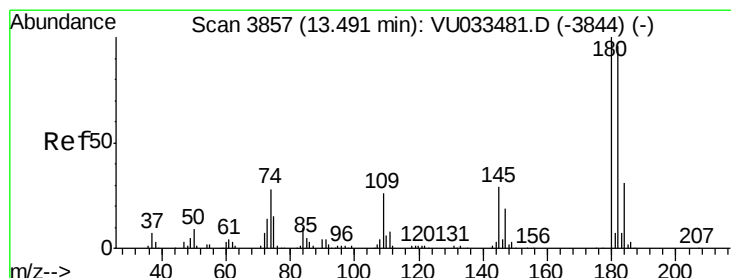
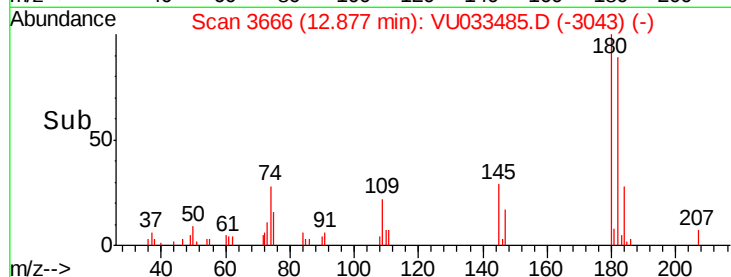
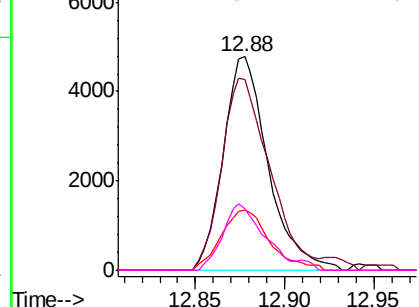
#69
 1,3,5-Trichlorobenzene
 Concen: 2.344 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:180 Resp: 8338
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.4
 184 30.2 24.1 36.1
 145 28.7 23.7 35.5

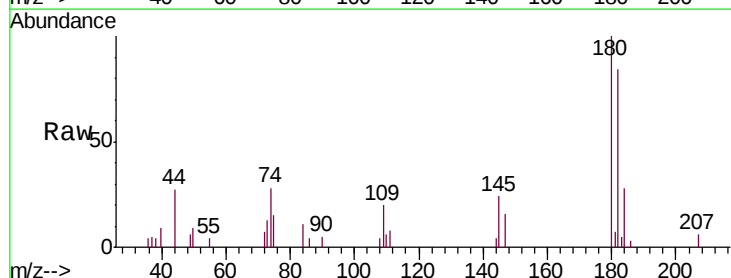


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

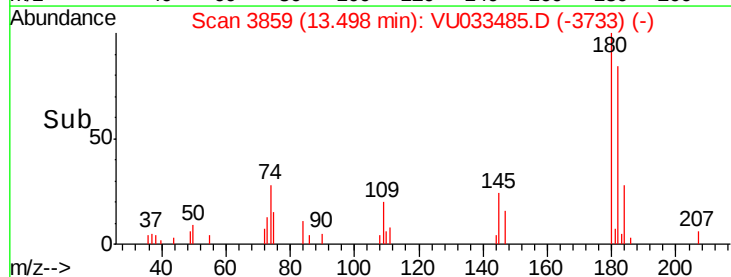
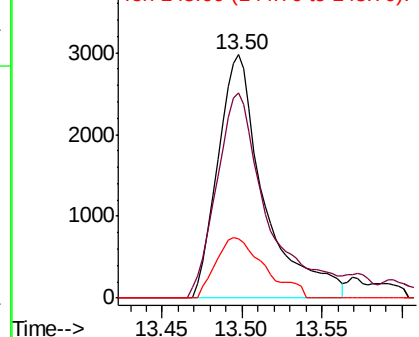


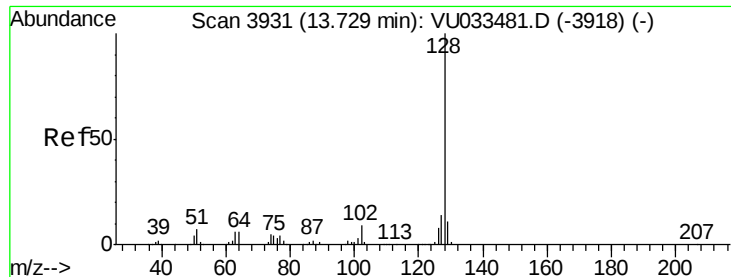
#70
 1,2,4-trichlorobenzene
 Concen: 1.996 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033485.D
 Acq: 30 Jul 2019 11:24

Tgt Ion:180 Resp: 5926
 Ion Ratio Lower Upper
 180 100
 182 92.8 77.5 116.3
 145 23.8 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

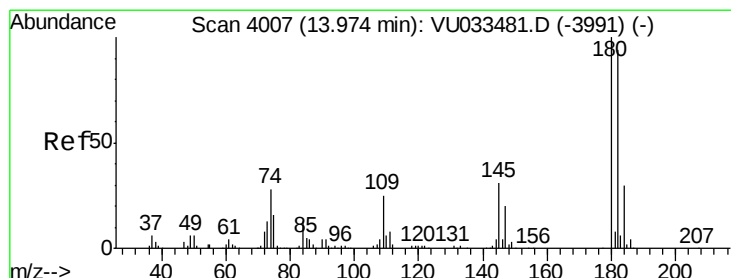
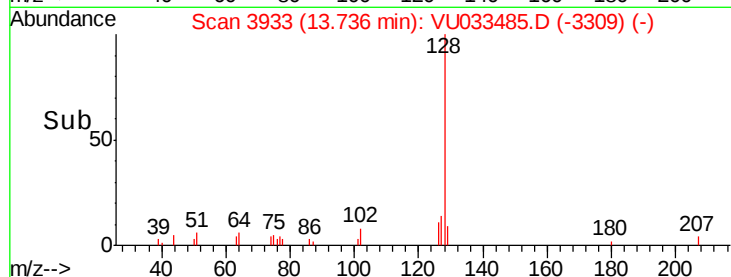
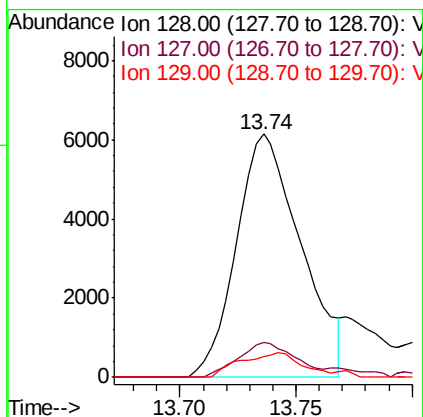
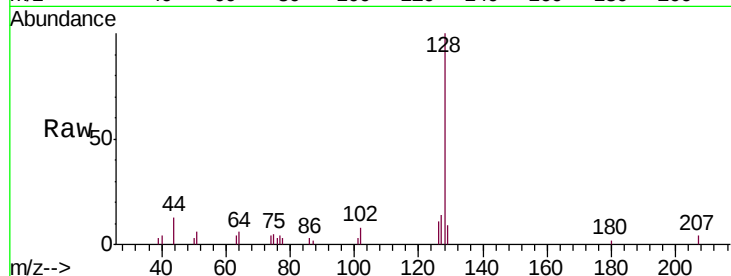




#71
Naphthalene
Concen: 1.384 ug/L
RT: 13.74 min Scan# 3933
Delta R.T. 0.01 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:128 Resp: 11880
Ion Ratio Lower Upper
128 100
127 12.6 10.8 16.2
129 9.6 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 1.952 ug/L
RT: 13.98 min Scan# 4009
Delta R.T. 0.01 min
Lab File: VU033485.D
Acq: 30 Jul 2019 11:24

Tgt Ion:180 Resp: 6073
Ion Ratio Lower Upper
180 100
182 95.2 76.4 114.6
145 29.2 24.9 37.3

