

Data File : VU033489.D
Acq On : 30 Jul 2019 12:58
Operator : JC/SP
Sample : MDL05
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Quant Time: Jul 31 08:50:03 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	280611	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	291755	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	137263	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	113850	44.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.36%
7) Chloroethane-d5	1.67	69	101227	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.16%
11) 1,1-Dichloroethene-d2	2.26	63	155564	33.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.78%
21) 2-Butanone-d5	4.15	46	138175	94.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.64%
24) Chloroform-d	4.62	84	177431	46.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.06%
26) 1,2-Dichloroethane-d4	5.29	65	121938	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.12%
32) Benzene-d6	5.32	84	374134	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.31	67	119413	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.30%
41) Toluene-d8	7.55	98	342401	46.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.83	79	53389	44.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.94%
47) 2-Hexanone-d5	8.29	63	101504	100.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.58%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	180162	48.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.64%
66) 1,2-Dichlorobenzene-d4	11.85	152	135433	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7892	2.819 ug/L	97
3) Chloromethane	1.32	50	8175	2.925 ug/L	94
5) Vinyl chloride	1.40	62	8794	2.751 ug/L #	67
6) Bromomethane	1.62	94	5287	2.366 ug/L	93
8) Chloroethane	1.69	64	5863	2.990 ug/L	95
9) Trichlorofluoromethane	1.87	101	12028	2.869 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7353	3.490 ug/L #	83
12) 1,1-Dichloroethene	2.27	96	6994	3.407 ug/L #	1
13) Acetone	2.31	43	7687	5.312 ug/L	99
14) Carbon disulfide	2.46	76	16449	2.689 ug/L	97
15) Methyl Acetate	2.60	43	6473	2.789 ug/L	100
16) Methylene chloride	2.68	84	6499	2.881 ug/L	91
17) trans-1,2-Dichloroethene	2.96	96	5542	2.718 ug/L	94
18) Methyl tert-butyl Ether	2.98	73	15842	2.633 ug/L	98
19) 1,1-Dichloroethane	3.42	63	11079	2.886 ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	6594	2.930 ug/L	93
22) 2-Butanone	4.25	43	7120	4.141 ug/L	96

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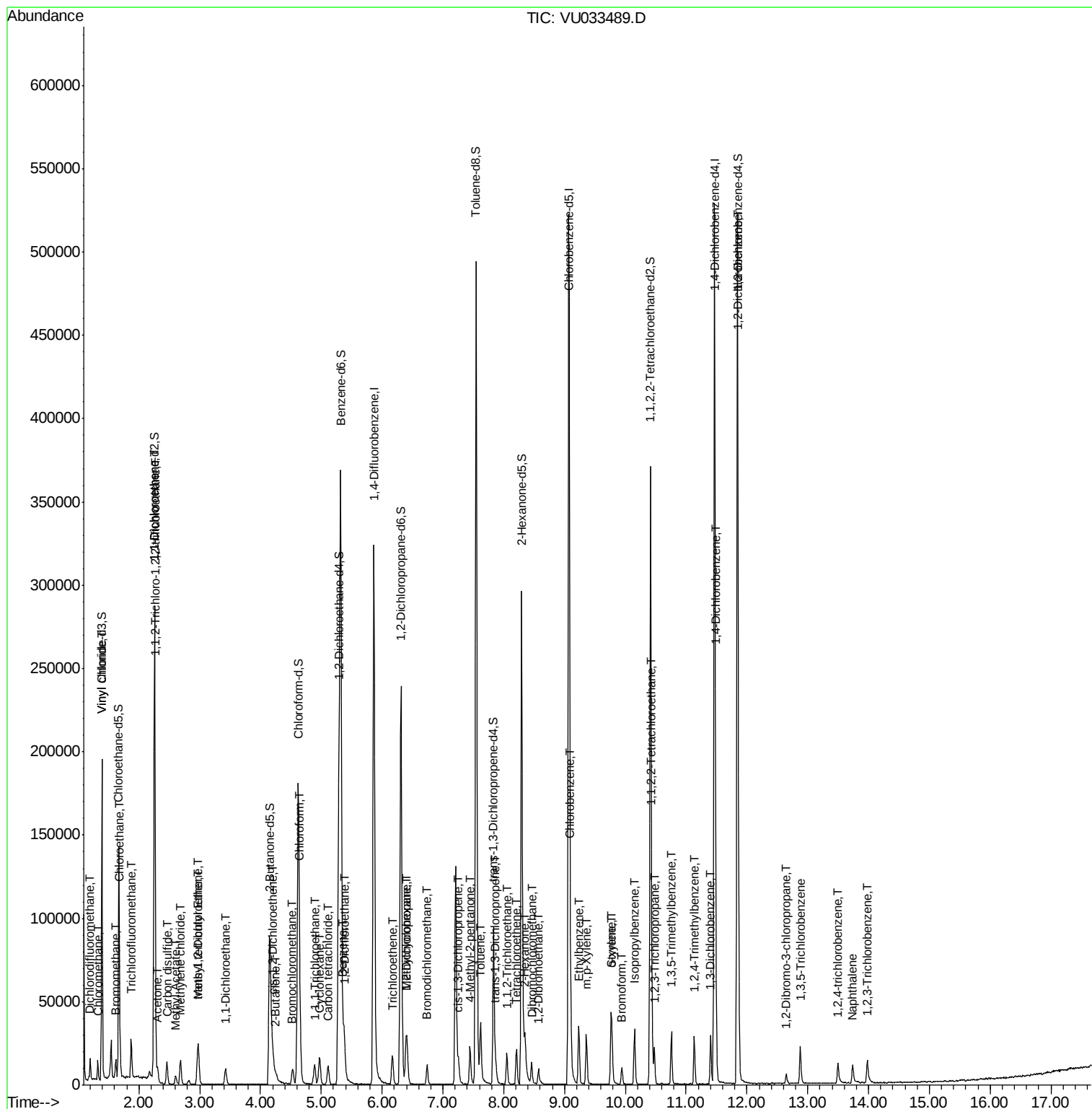
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.51	128	960	0.803	ug/L	93
25) Chloroform	4.65	83	22946	5.637	ug/L	98
27) 1,2-Dichloroethane	5.39	62	9852	3.116	ug/L	99
29) Cyclohexane	4.97	56	7338	2.289	ug/L	94
30) 1,1,1-Trichloroethane	4.89	97	9512	2.738	ug/L	98
31) Carbon tetrachloride	5.11	117	8470	2.739	ug/L	99
33) Benzene	5.37	78	22933	2.630	ug/L	100
34) Trichloroethene	6.17	95	6482	2.853	ug/L	88
35) Methylcyclohexane	6.39	83	9118	2.639	ug/L	94
37) 1,2-Dichloropropane	6.41	63	6530	2.784	ug/L #	90
38) Bromodichloromethane	6.74	83	8223	2.663	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	9175	2.623	ug/L	92
40) 4-Methyl-2-pentanone	7.44	43	15212	4.922	ug/L	96
42) Toluene	7.62	91	25441	2.711	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	10032	3.160	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	6032	2.697	ug/L	92
46) Tetrachloroethene	8.21	164	4724	2.555	ug/L	93
48) 2-Hexanone	8.35	43	14758	5.861	ug/L #	88
49) Dibromochloromethane	8.46	129	6581	2.628	ug/L	96
50) 1,2-Dibromoethane	8.57	107	6548	2.698	ug/L	96
51) Chlorobenzene	9.10	112	17418	2.793	ug/L	96
52) Ethylbenzene	9.23	91	25192	2.476	ug/L	96
53) m,p-Xylene	9.36	106	9333	2.440	ug/L	98
54) o-xylene	9.76	106	8781	2.341	ug/L	93
55) Styrene	9.78	104	13838	2.174	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	12067	3.034	ug/L	98
59) Bromoform	9.94	173	4659	2.713	ug/L	97
60) 1,2,3-Trichloropropane	10.48	75	8903	3.184	ug/L	96
61) Isopropylbenzene	10.15	105	22291	2.535	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	16903	2.373	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	16109	2.280	ug/L	94
64) 1,3-Dichlorobenzene	11.40	146	12374	2.761	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	13597	2.937	ug/L	98
67) 1,2-Dichlorobenzene	11.86	146	13422	2.989	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	12.64	75	1938	2.493	ug/L	94
69) 1,3,5-Trichlorobenzene	12.88	180	8175	2.403	ug/L	94
70) 1,2,4-trichlorobenzene	13.50	180	5358	1.887	ug/L	98
71) Naphthalene	13.74	128	10679	1.300	ug/L	98
72) 1,2,3-Trichlorobenzene	13.98	180	5573	1.873	ug/L	95

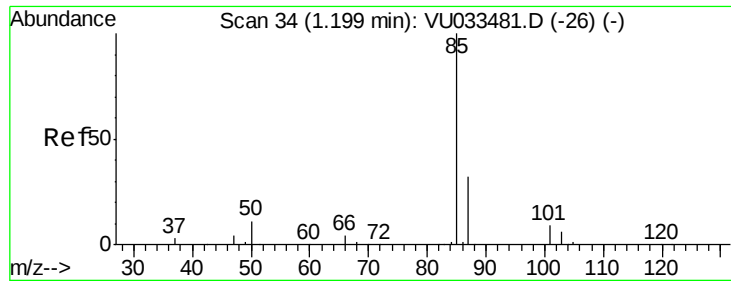
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.819 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampleId :

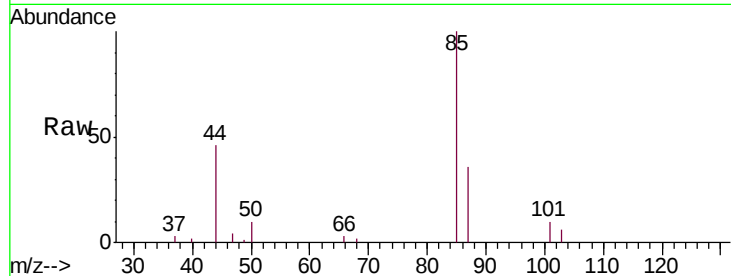
MDL05

Tgt Ion: 85 Resp: 7892

Ion Ratio Lower Upper

85 100

87 33.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

8000

6000

4000

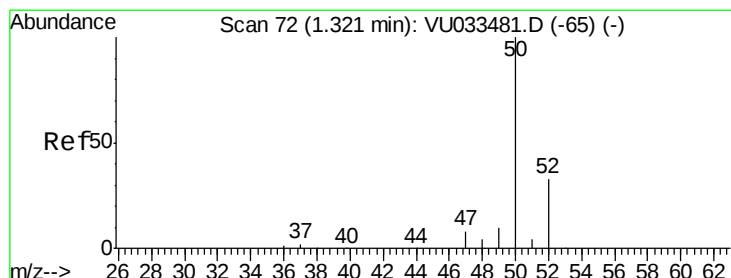
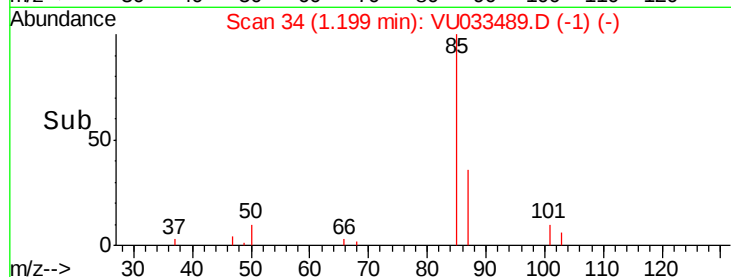
2000

0

1.20

1.25

Time-->



#3

Chloromethane

Concen: 2.925 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033489.D

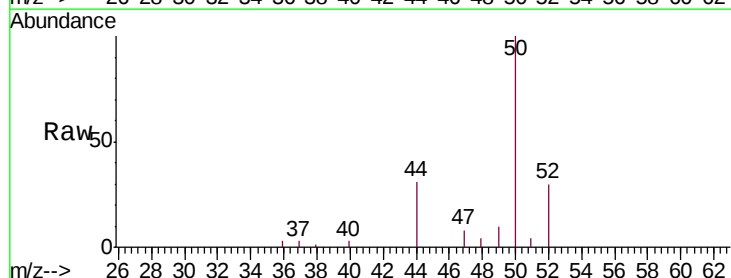
Acq: 30 Jul 2019 12:58

Tgt Ion: 50 Resp: 8175

Ion Ratio Lower Upper

50 100

52 29.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

8000

6000

4000

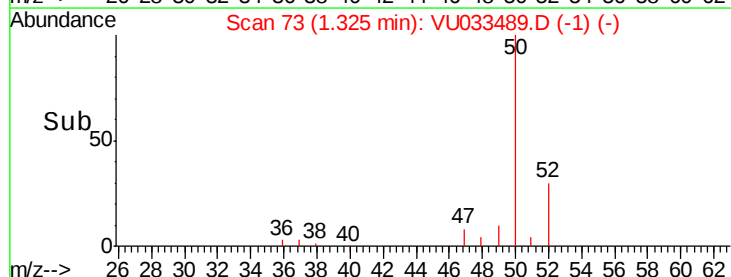
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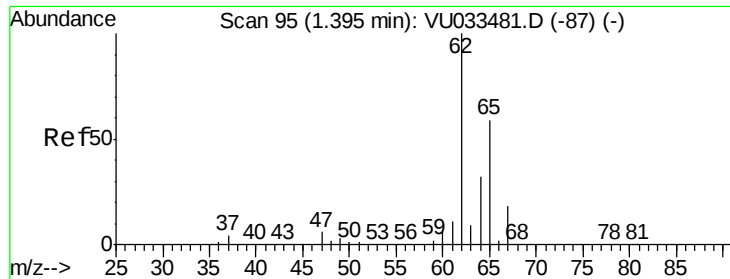
0

1.32

1.36

Time-->





#5

Vinyl chloride

Concen: 2.751 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampleId :

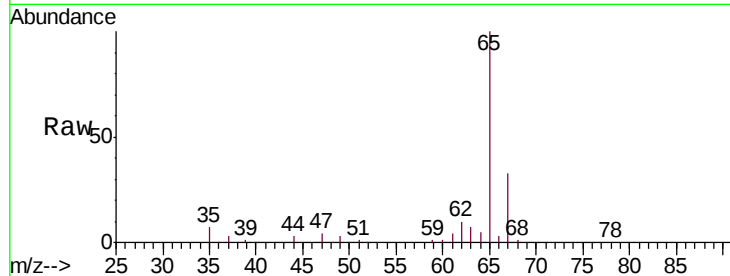
MDL05

Tgt Ion: 62 Resp: 8794

Ion Ratio Lower Upper

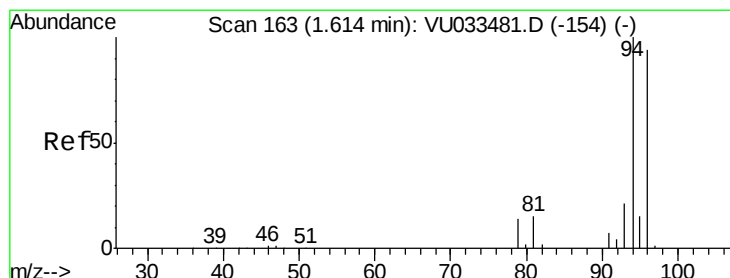
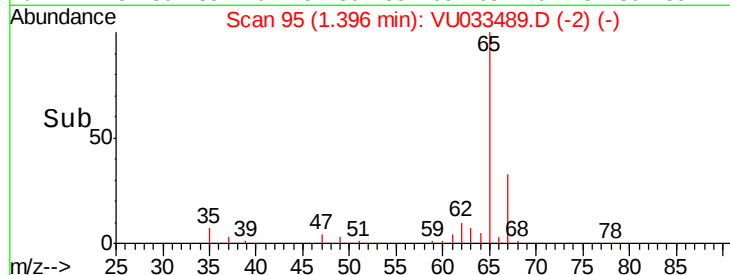
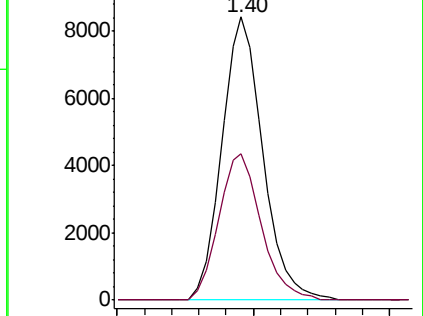
62 100

64 51.5 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: 2.366 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU033489.D

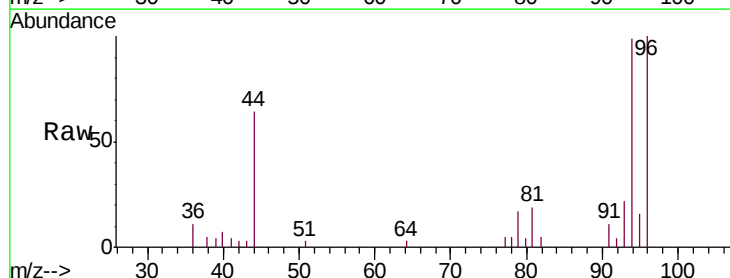
Acq: 30 Jul 2019 12:58

Tgt Ion: 94 Resp: 5287

Ion Ratio Lower Upper

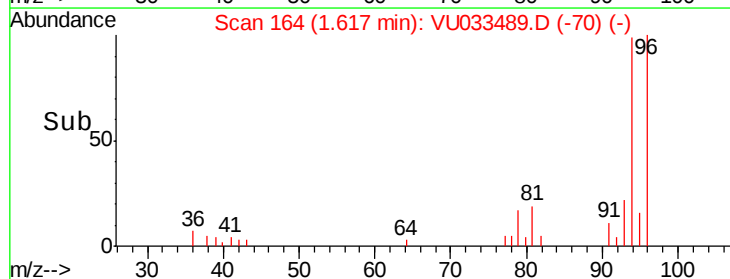
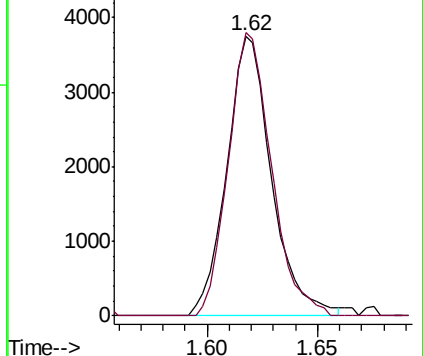
94 100

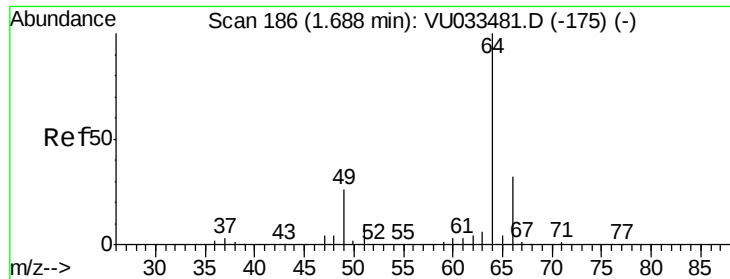
96 101.0 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

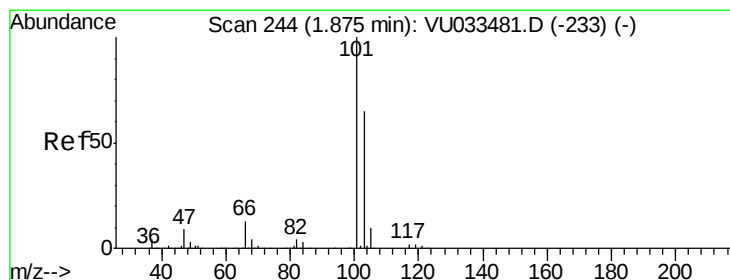
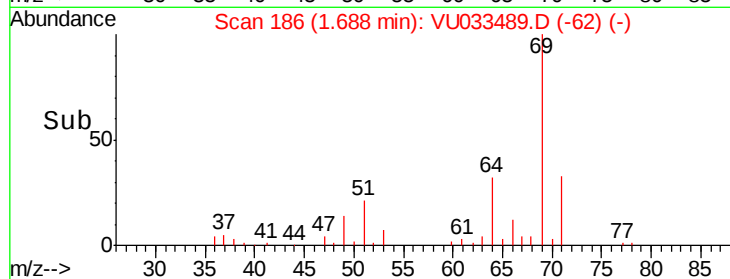
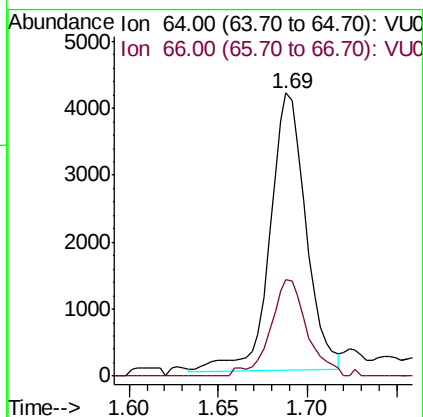
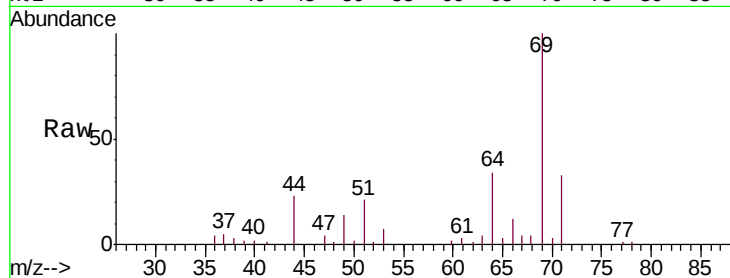




#8
Chloroethane
Concen: 2.990 ug/L
RT: 1.69 min Scan# 186
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

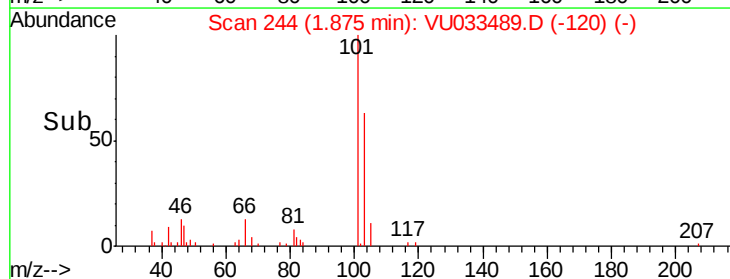
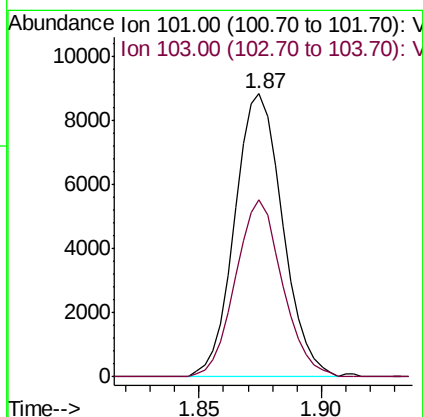
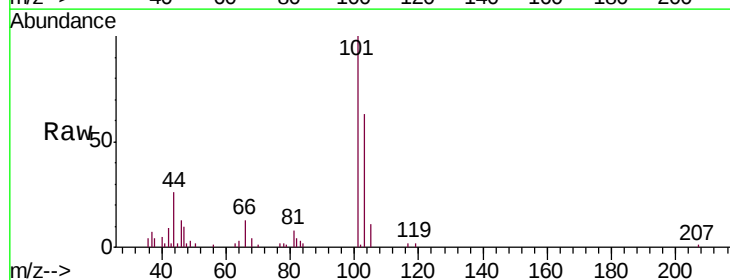
Instrument :
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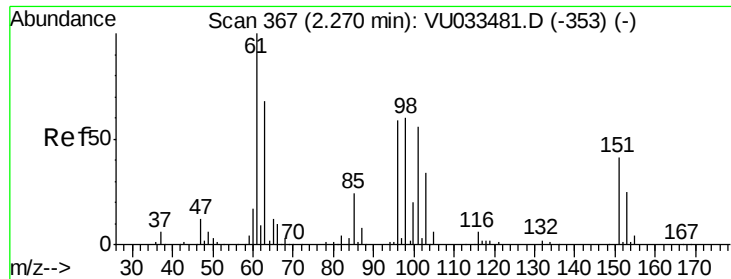
Tgt Ion: 64 Resp: 5863
Ion Ratio Lower Upper
64 100
66 34.2 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.869 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion: 101 Resp: 12028
Ion Ratio Lower Upper
101 100
103 61.3 51.2 76.8





#10

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

Concen: 3.490 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampleId :

MDL05

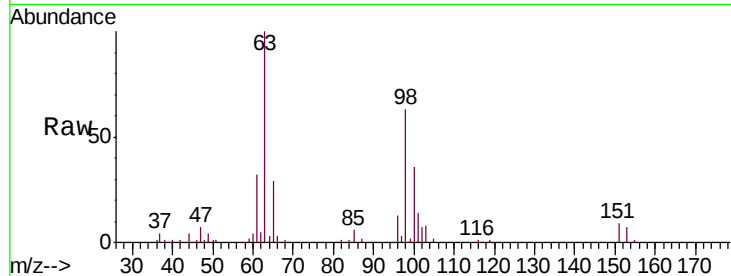
Tgt Ion:101 Resp: 7353

Ion Ratio Lower Upper

101 100

85 37.6 35.8 53.8

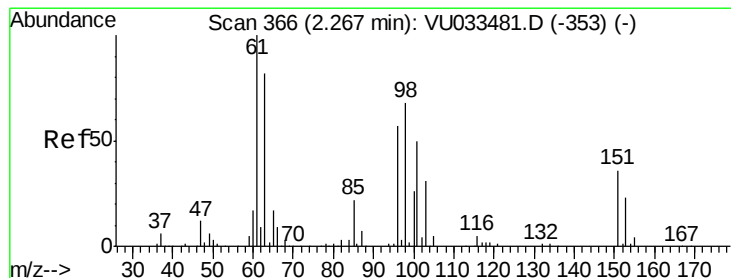
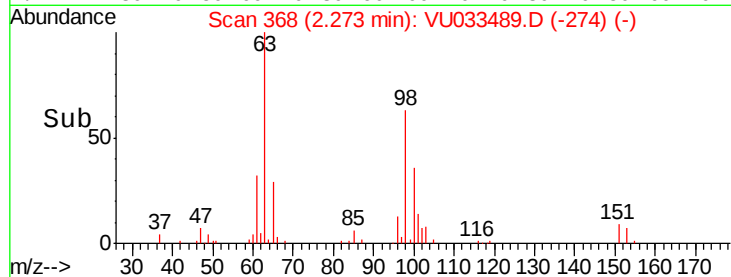
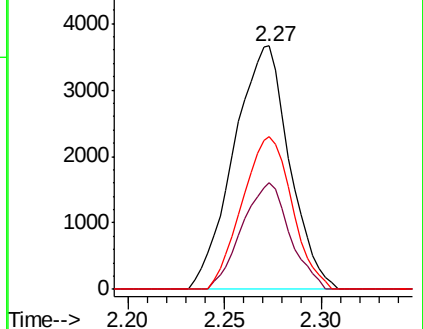
151 56.1 58.6 87.8#



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: 3.407 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

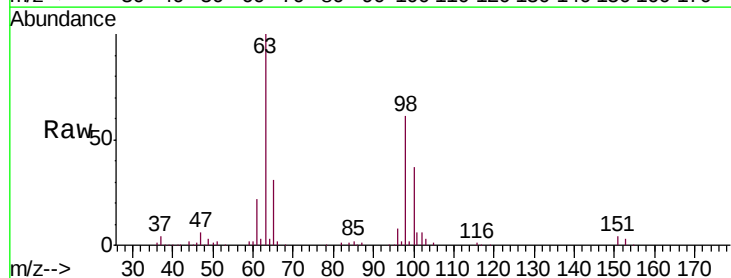
Tgt Ion: 96 Resp: 6994

Ion Ratio Lower Upper

96 100

61 291.9 124.1 230.5#

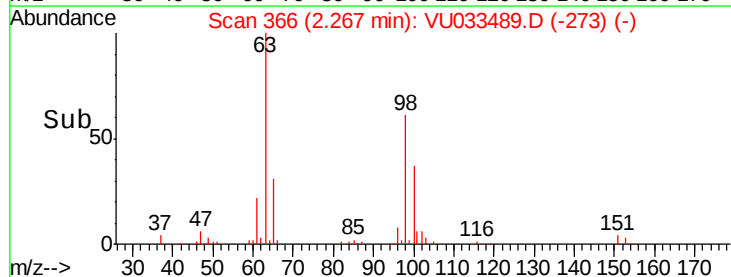
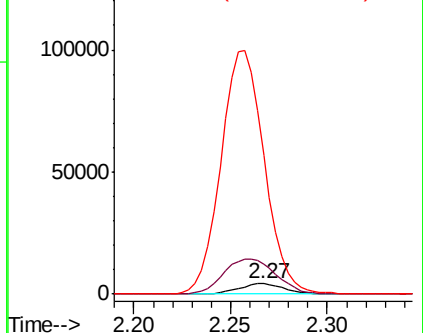
63 1329.3 101.8 189.2#

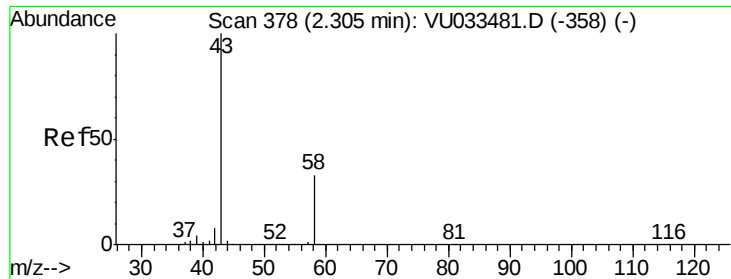


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.312 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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ClientSampleId :

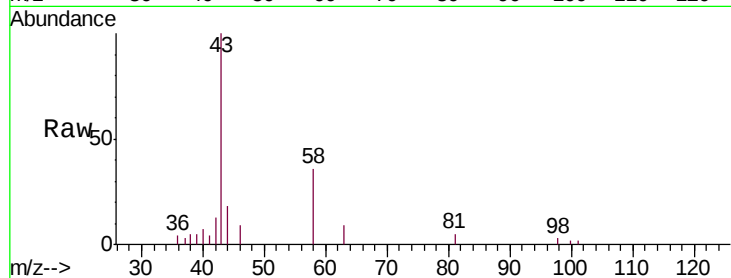
MDL05

Tgt Ion: 43 Resp: 7687

Ion Ratio Lower Upper

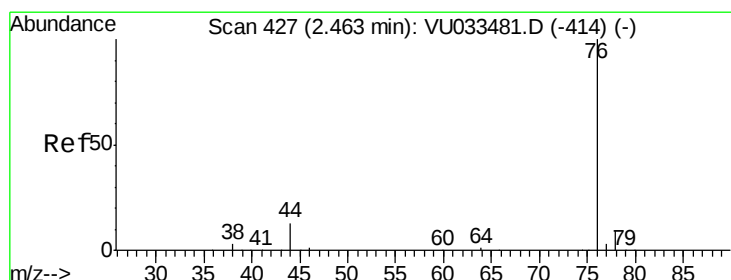
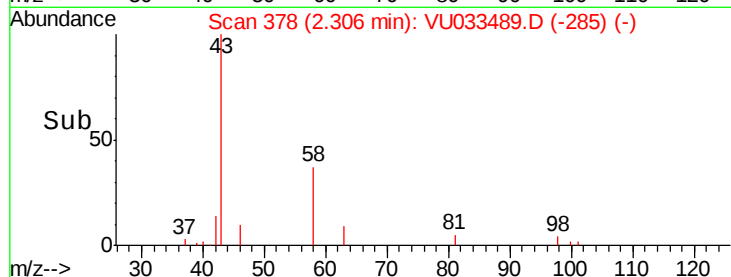
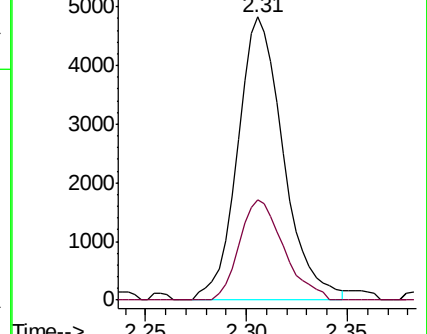
43 100

58 34.1 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 2.689 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

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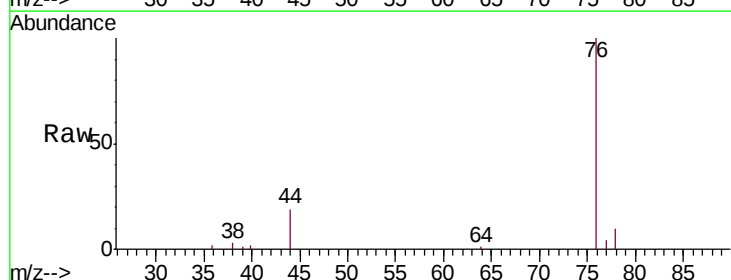
Acq: 30 Jul 2019 12:58

Tgt Ion: 76 Resp: 16449

Ion Ratio Lower Upper

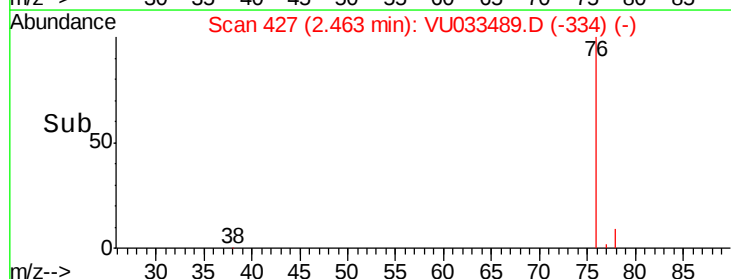
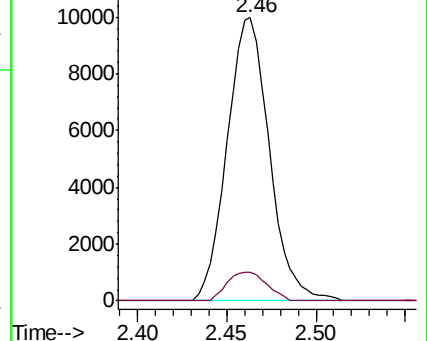
76 100

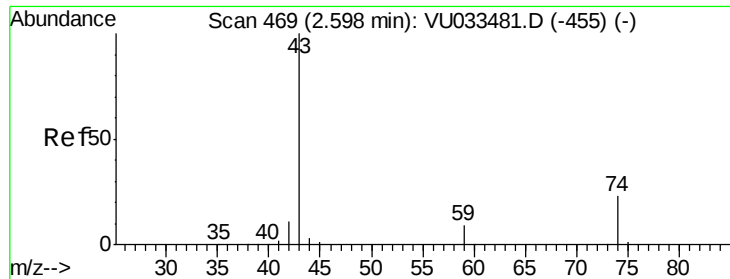
78 10.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

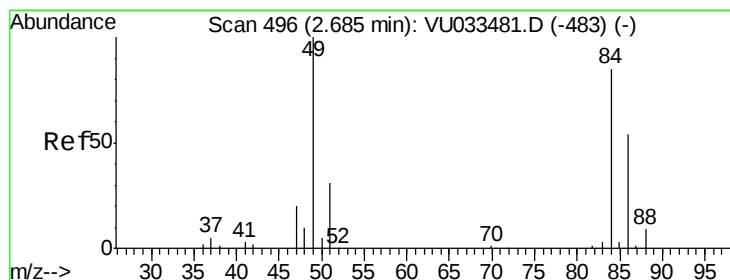
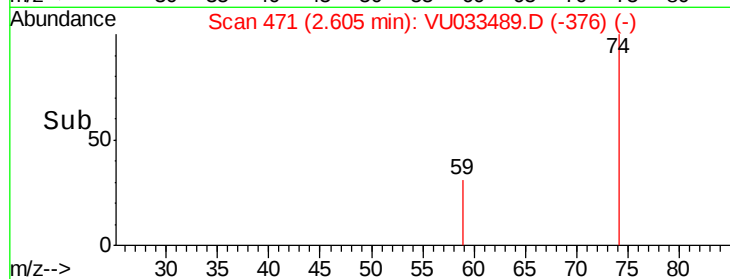
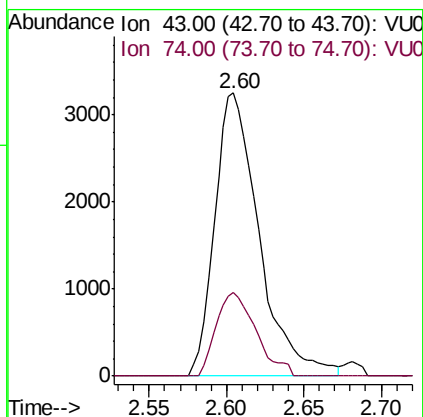
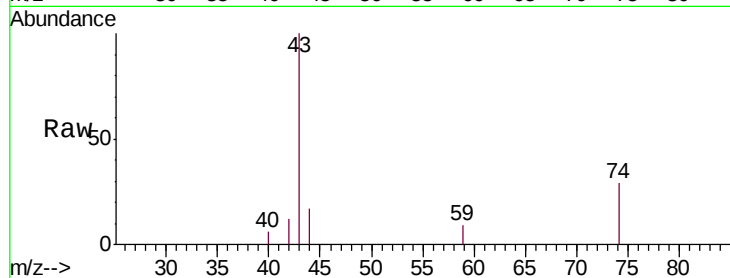




#15
Methyl Acetate
Concen: 2.789 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

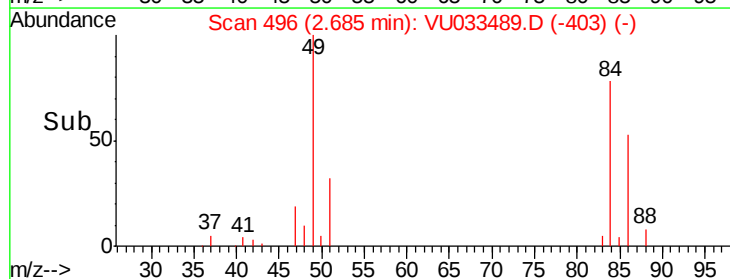
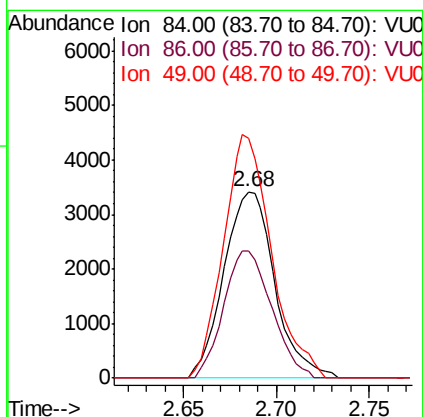
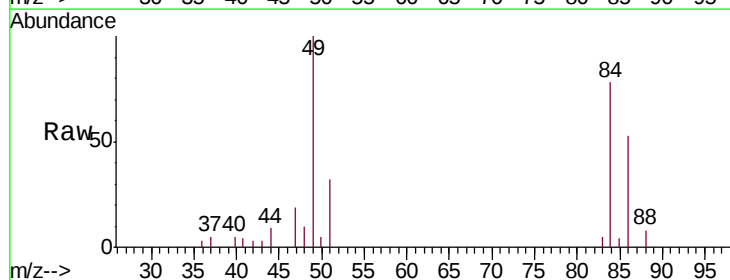
Instrument :
MSVOA_U
ClientSampleId :
MDL05

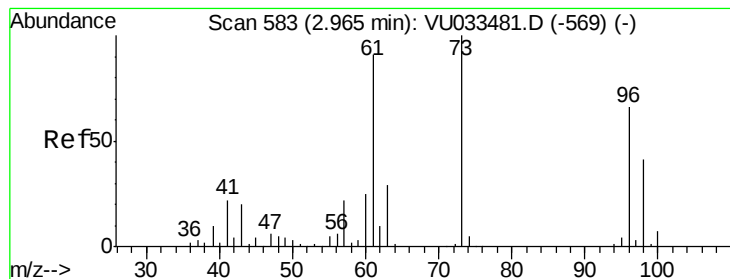
Tgt Ion: 43 Resp: 6473
Ion Ratio Lower Upper
43 100
74 25.7 20.5 30.7



#16
Methylene chloride
Concen: 2.881 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion: 84 Resp: 6499
Ion Ratio Lower Upper
84 100
86 68.0 44.2 82.0
49 128.4 82.3 152.8





#17

trans-1,2-Dichloroethene

Concen: 2.718 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampled :

MDL05

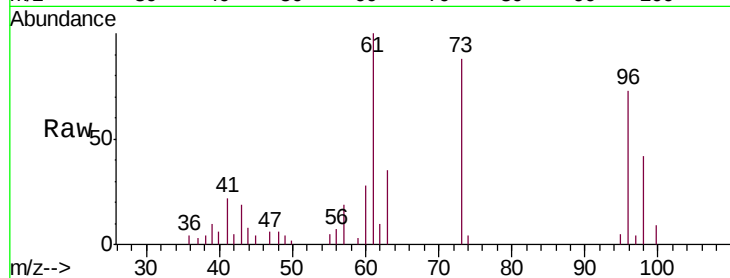
Tgt Ion: 96 Resp: 5542

Ion Ratio Lower Upper

96 100

61 137.6 100.3 186.3

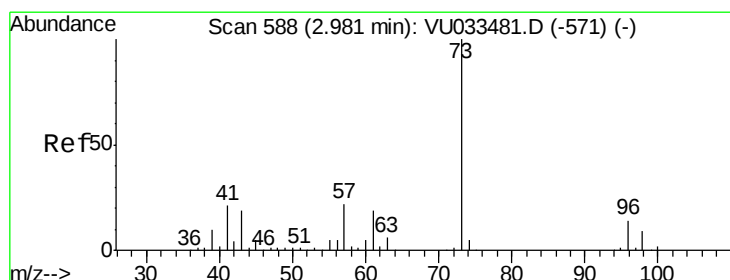
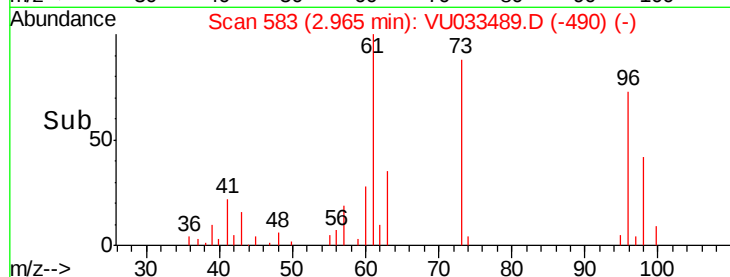
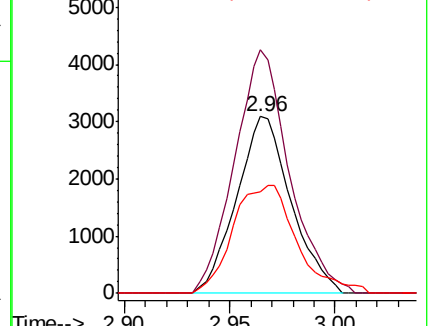
98 57.6 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 2.633 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

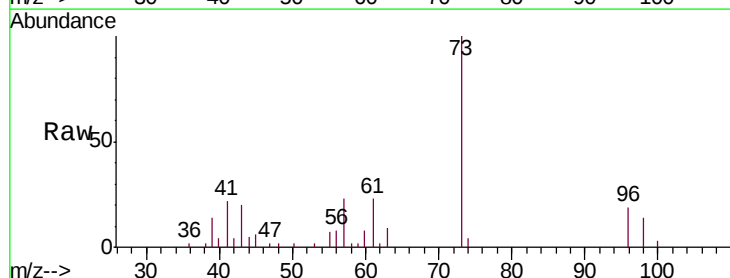
Tgt Ion: 73 Resp: 15842

Ion Ratio Lower Upper

73 100

43 20.7 15.3 22.9

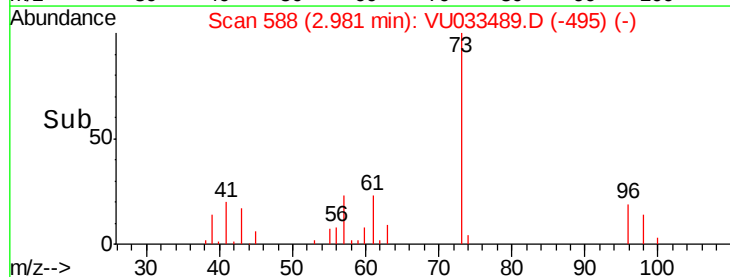
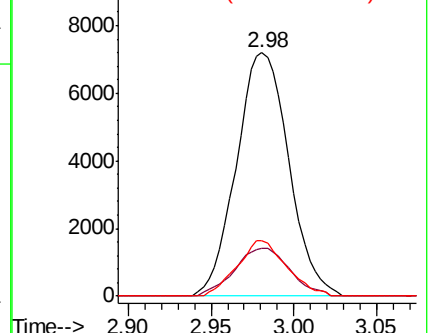
57 21.6 17.7 26.5

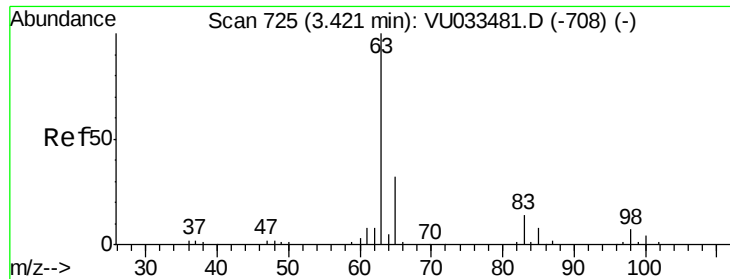


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

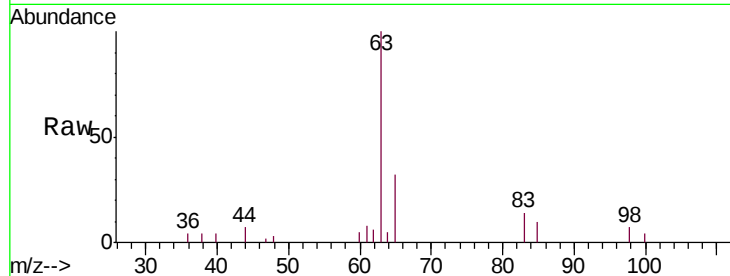




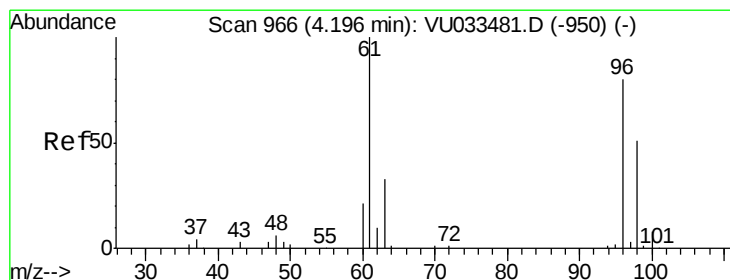
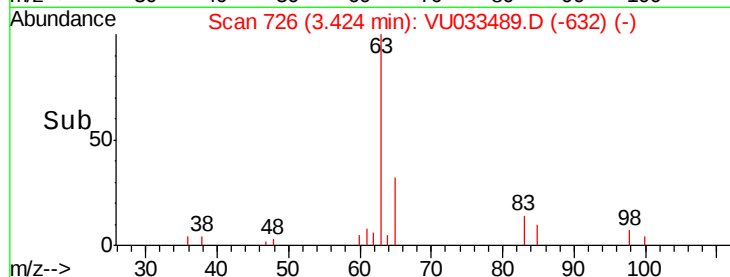
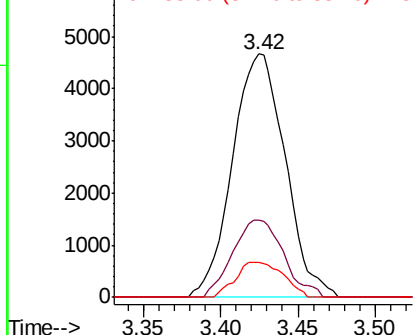
#19
 1,1-Dichloroethane
 Concen: 2.886 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion: 63 Resp: 11079
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.7 42.1
 83 14.2 9.4 17.6

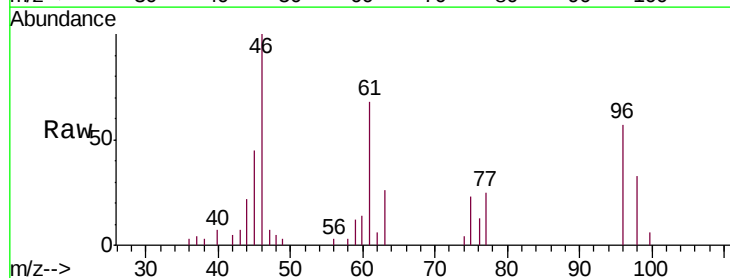


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

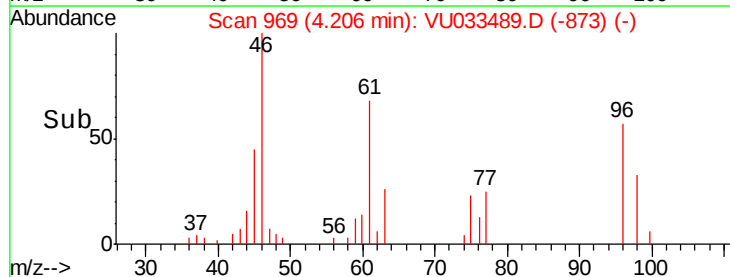
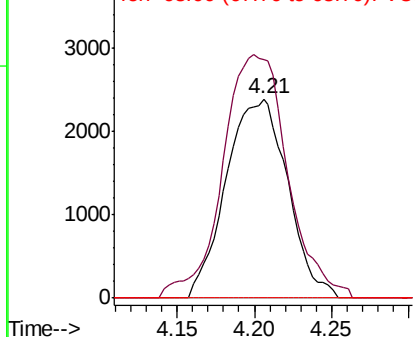


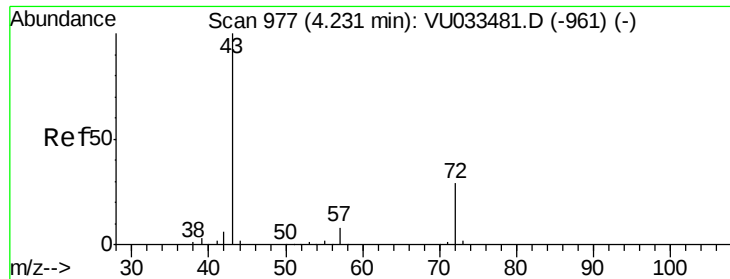
#20
 cis-1,2-Dichloroethene
 Concen: 2.930 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Tgt Ion: 96 Resp: 6594
 Ion Ratio Lower Upper
 96 100
 61 119.3 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: 4.141 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.02 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampled :

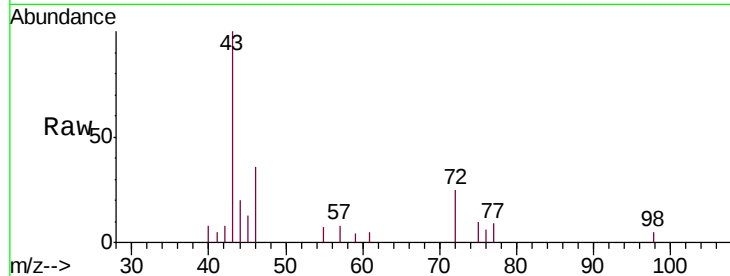
MDL05

Tgt Ion: 43 Resp: 7120

Ion Ratio Lower Upper

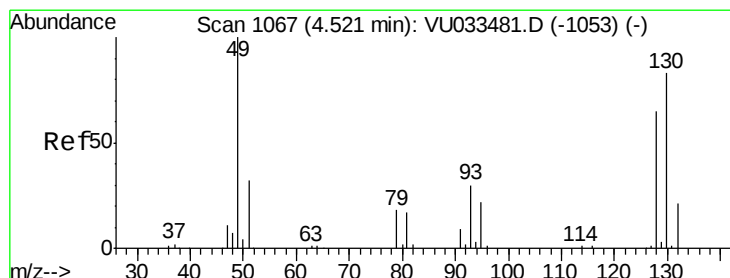
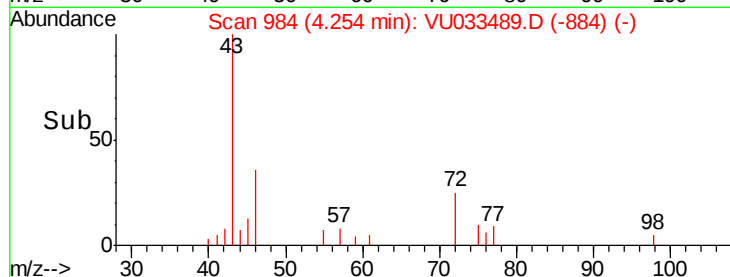
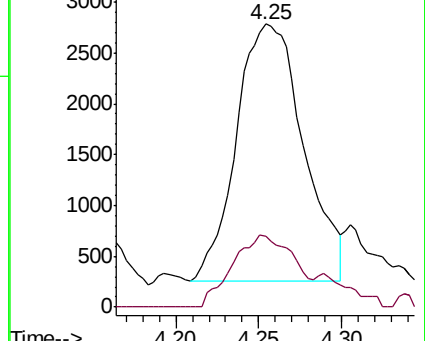
43 100

72 26.1 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU033489.D (-984) (-)

Ion 72.00 (71.70 to 72.70): VU033489.D (-984) (-)



#23

Bromochloromethane

Concen: 0.803 ug/L

RT: 4.51 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Tgt Ion: 128 Resp: 960

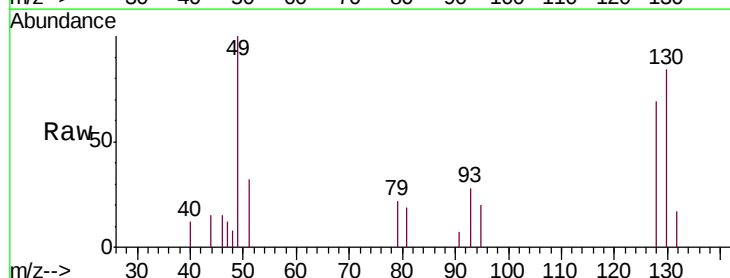
Ion Ratio Lower Upper

128 100

49 145.6 108.0 200.6

130 122.2 92.9 172.5

51 47.1 40.2 60.4

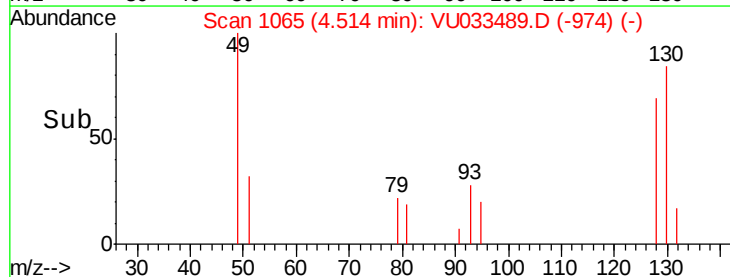
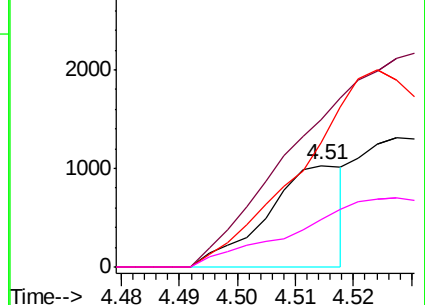


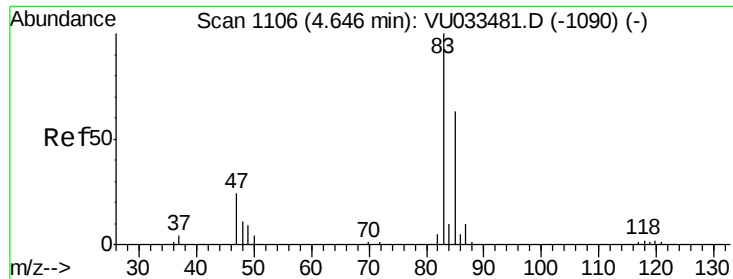
Abundance Ion 128.00 (127.70 to 128.70): VU033489.D (-1065) (-)

Ion 49.00 (48.70 to 49.70): VU033489.D (-1065) (-)

Ion 130.00 (129.70 to 130.70): VU033489.D (-1065) (-)

Ion 51.00 (50.70 to 51.70): VU033489.D (-1065) (-)

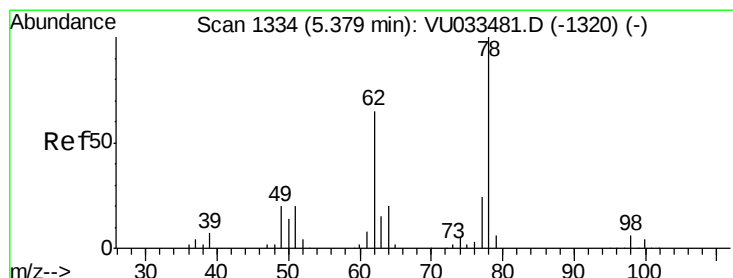
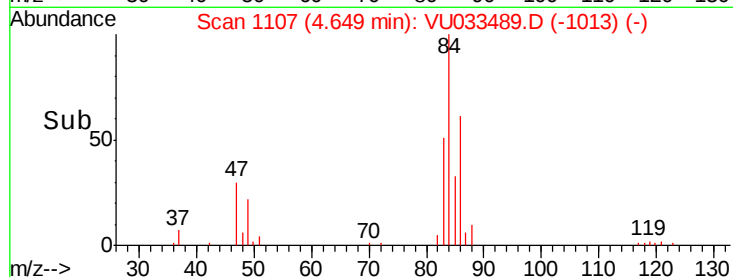
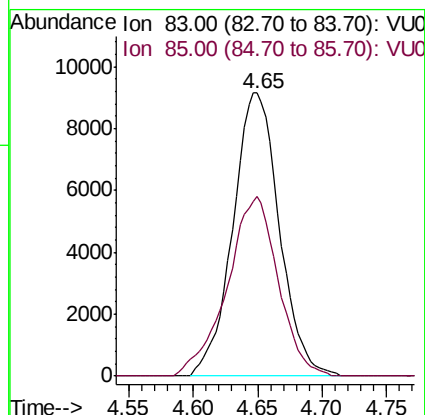
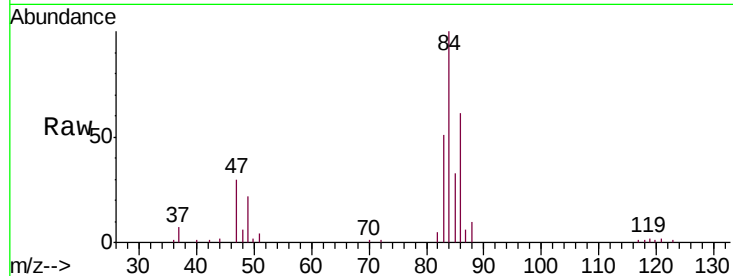




#25
Chloroform
Concen: 5.637 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

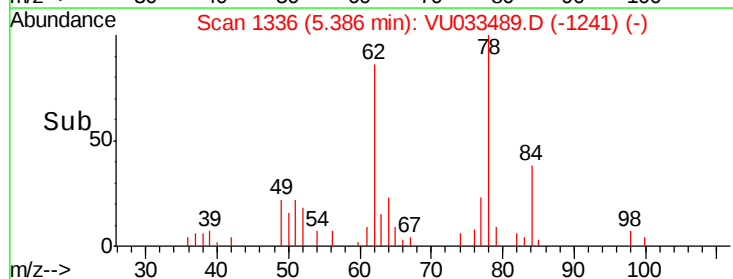
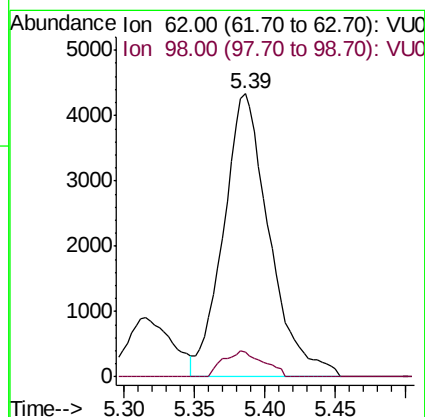
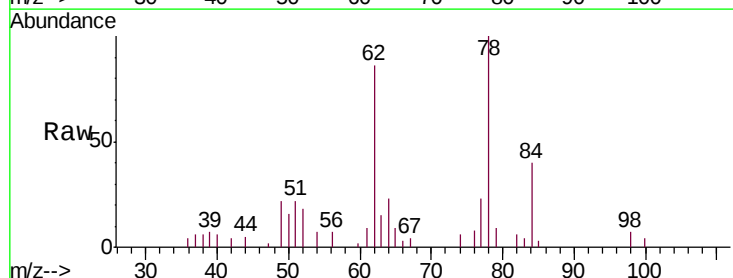
Instrument :
MSVOA_U
ClientSampleId :
MDL05

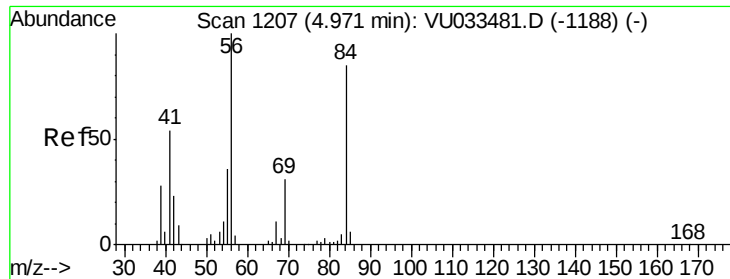
Tgt Ion: 83 Resp: 22946
Ion Ratio Lower Upper
83 100
85 63.6 45.6 84.8



#27
1,2-Dichloroethane
Concen: 3.116 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion: 62 Resp: 9852
Ion Ratio Lower Upper
62 100
98 8.7 6.7 10.1

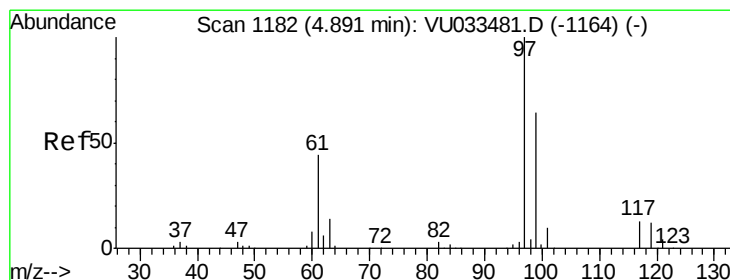
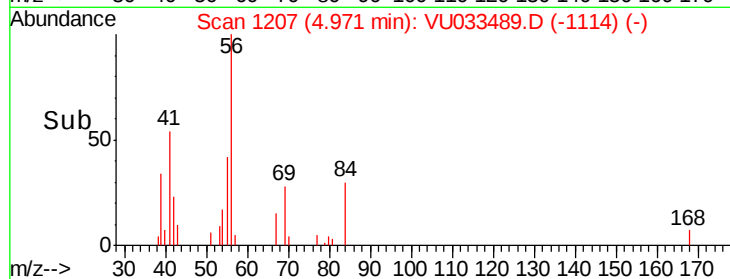
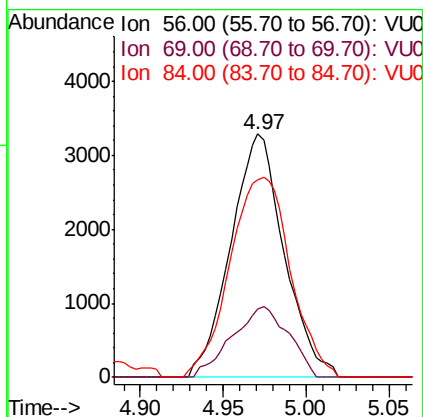
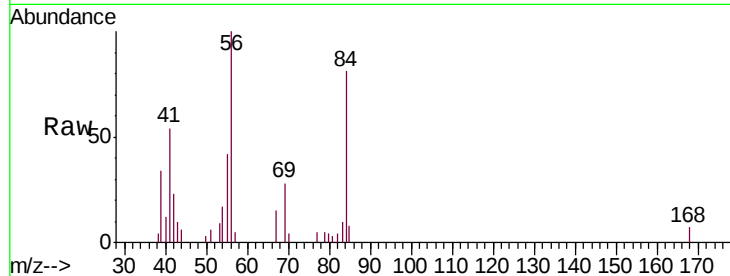




#29
Cyclohexane
Concen: 2.289 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

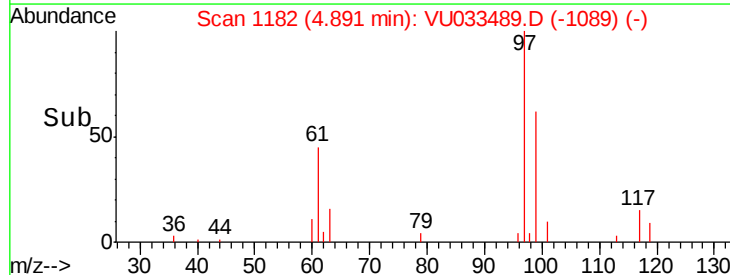
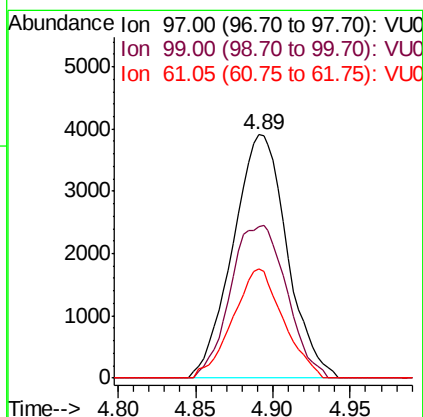
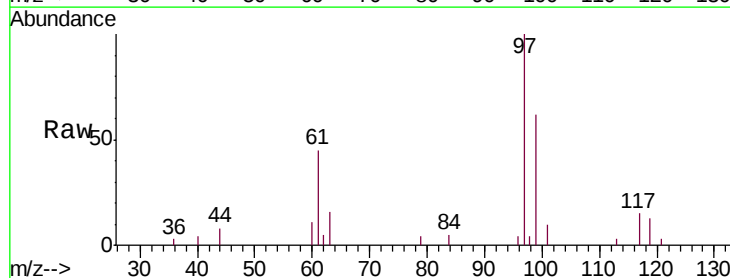
Instrument :
MSVOA_U
ClientSampleId :
MDL05

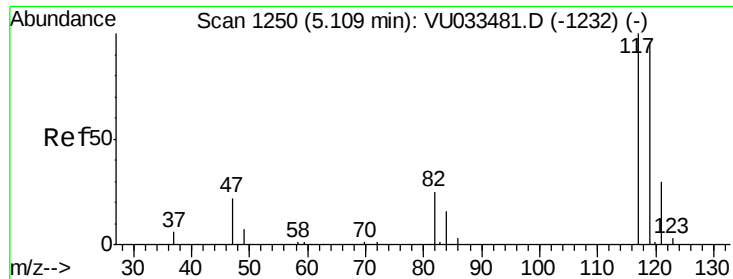
Tgt Ion: 56 Resp: 7338
Ion Ratio Lower Upper
56 100
69 30.6 25.3 37.9
84 93.7 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 2.738 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion: 97 Resp: 9512
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 41.9 36.2 54.2

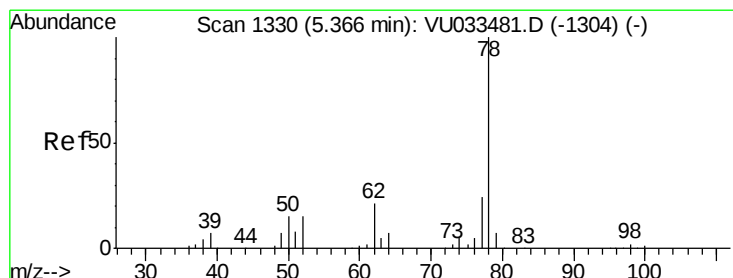
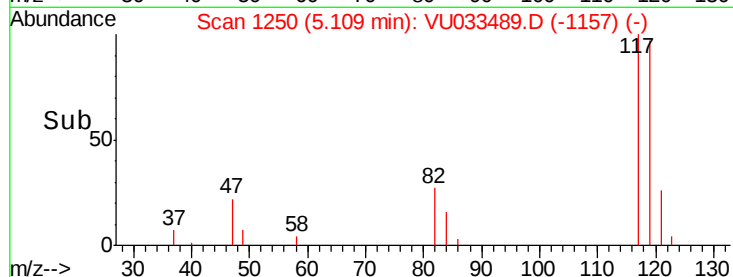
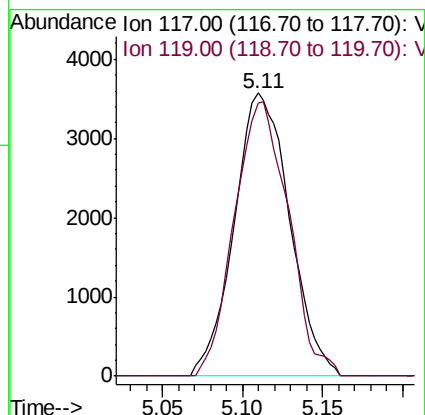
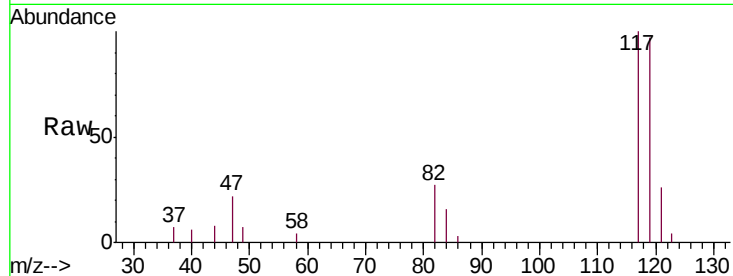




#31
Carbon tetrachloride
Concen: 2.739 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

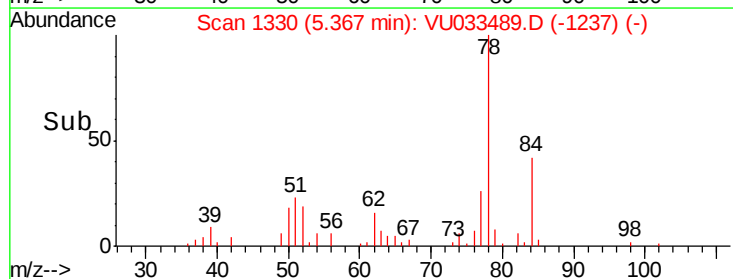
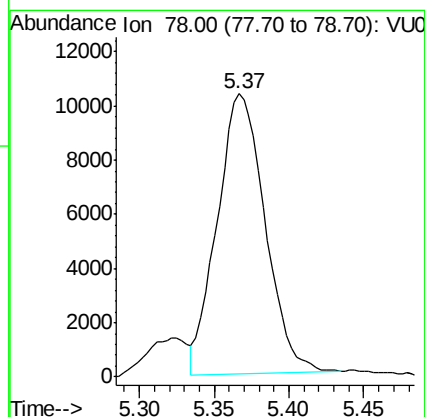
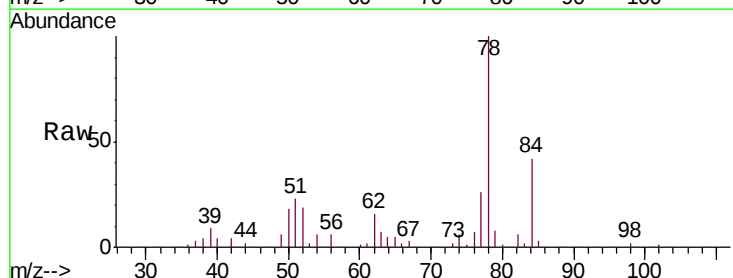
Instrument :
MSVOA_U
ClientSampleId :
MDL05

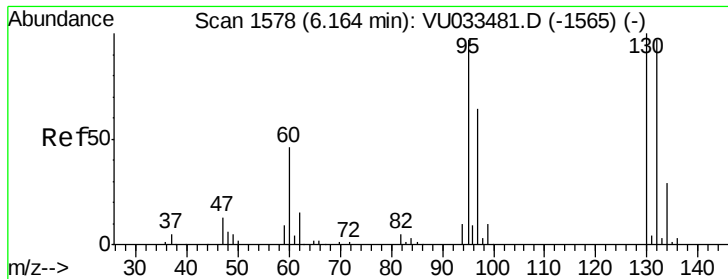
Tgt Ion: 117 Resp: 8470
Ion Ratio Lower Upper
117 100
119 94.8 76.8 115.2



#33
Benzene
Concen: 2.630 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion: 78 Resp: 22933

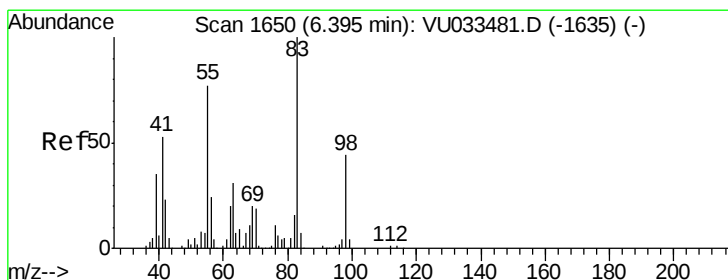
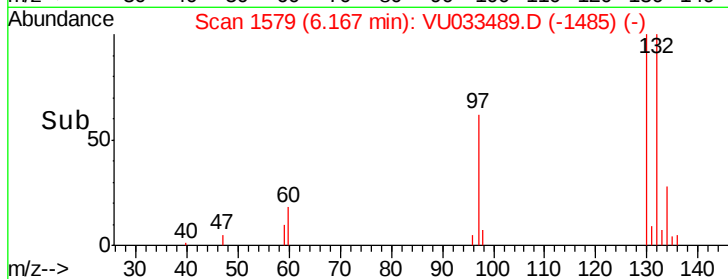
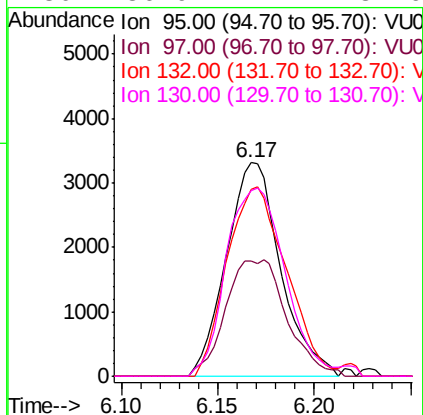
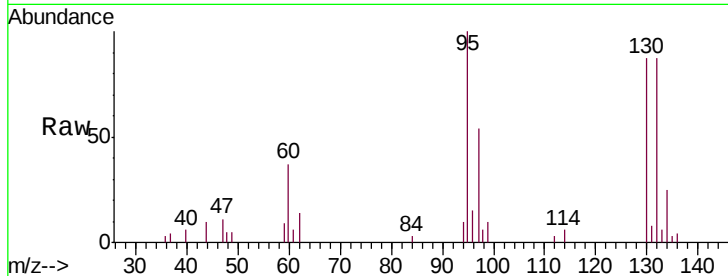




#34
 Trichloroethene
 Concen: 2.853 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

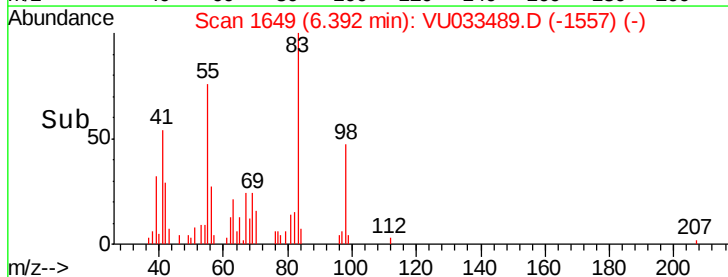
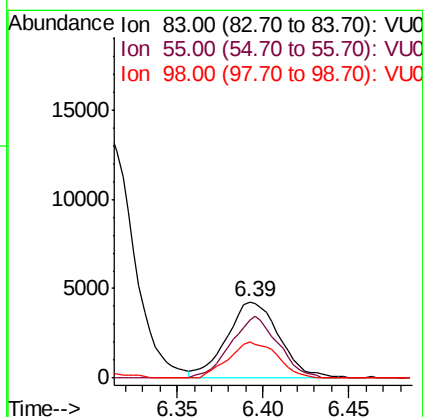
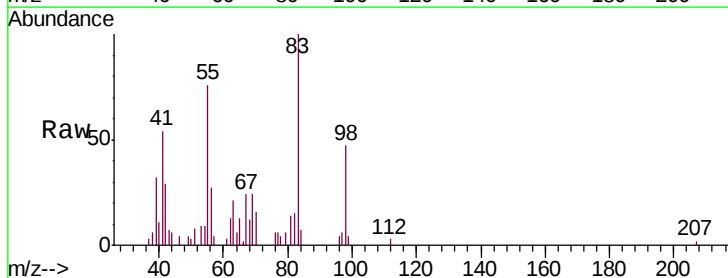
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

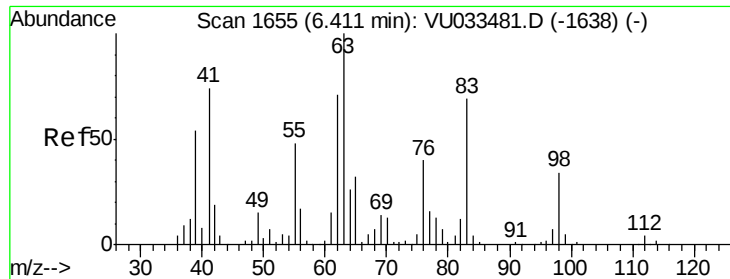
Tgt Ion: 95 Resp: 6482
 Ion Ratio Lower Upper
 95 100
 97 53.8 45.4 84.2
 132 87.3 67.1 124.5
 130 86.9 71.4 132.6



#35
 Methylcyclohexane
 Concen: 2.639 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Tgt Ion: 83 Resp: 9118
 Ion Ratio Lower Upper
 83 100
 55 72.4 62.4 93.6
 98 43.7 37.3 55.9

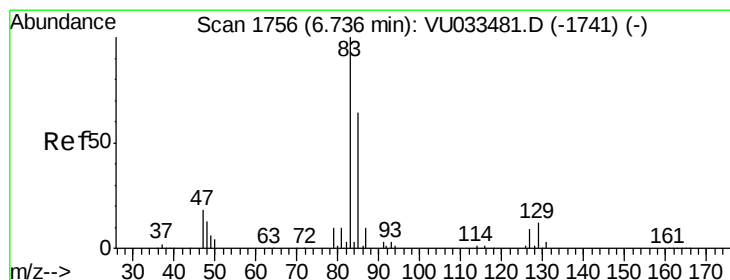
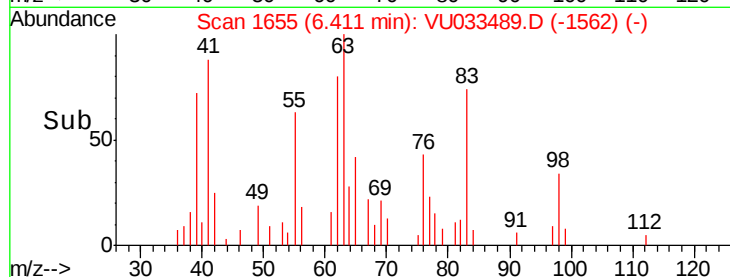
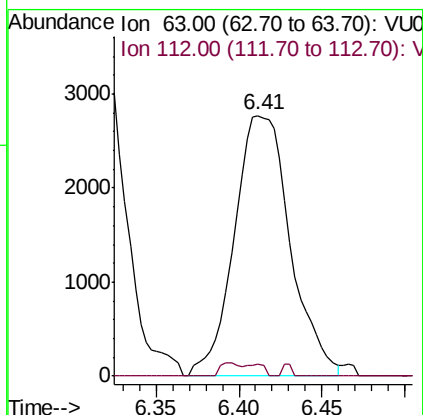
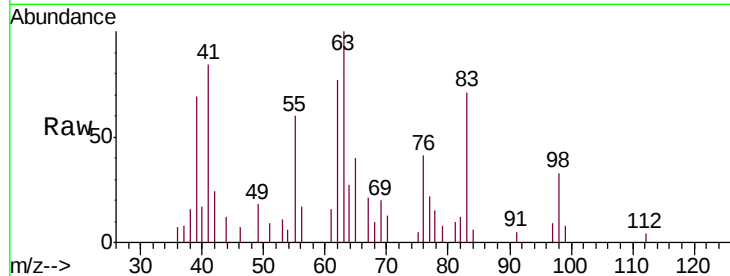




#37
 1,2-Dichloropropane
 Concen: 2.784 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

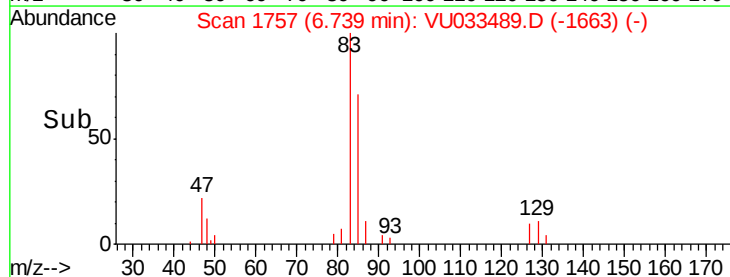
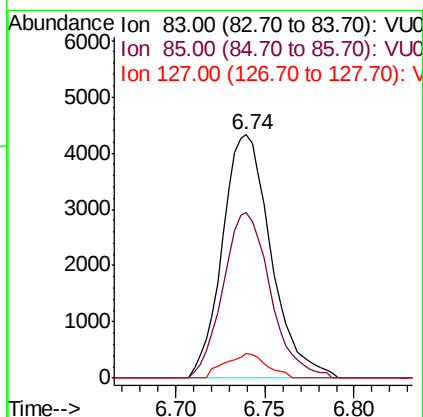
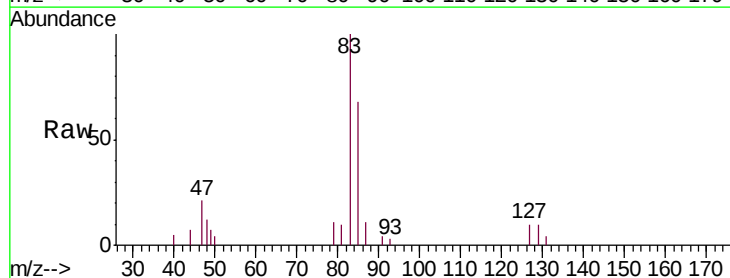
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

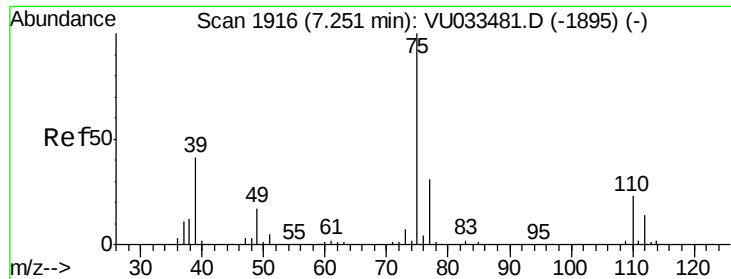
Tgt Ion: 63 Resp: 6530
 Ion Ratio Lower Upper
 63 100
 112 0.8 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 2.663 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Tgt Ion: 83 Resp: 8223
 Ion Ratio Lower Upper
 83 100
 85 67.8 45.4 84.4
 127 9.9 7.3 10.9

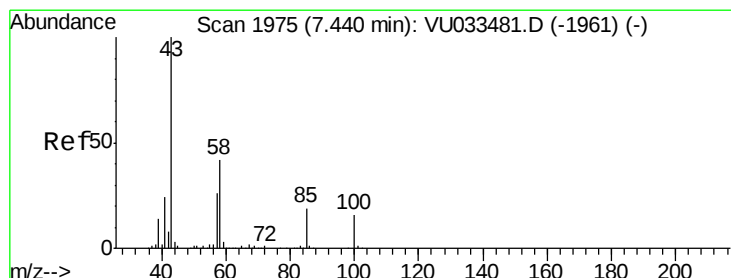
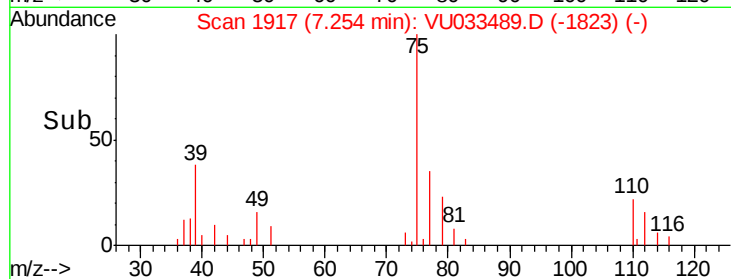
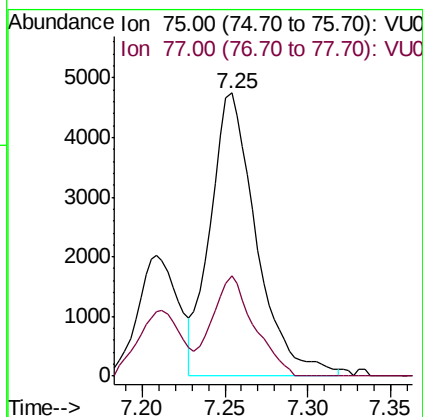
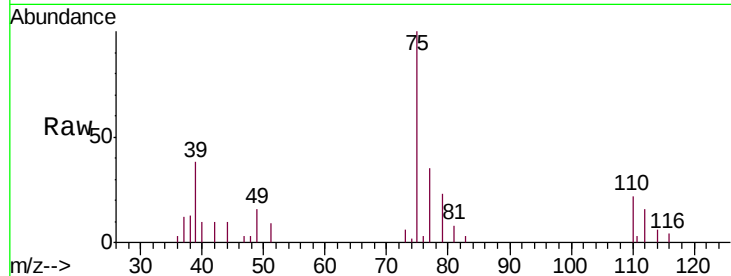




#39
 cis-1,3-Dichloropropene
 Concen: 2.623 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

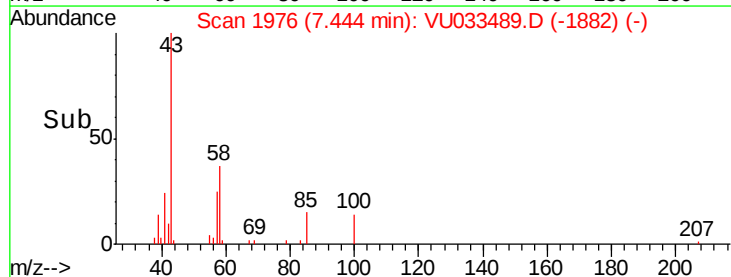
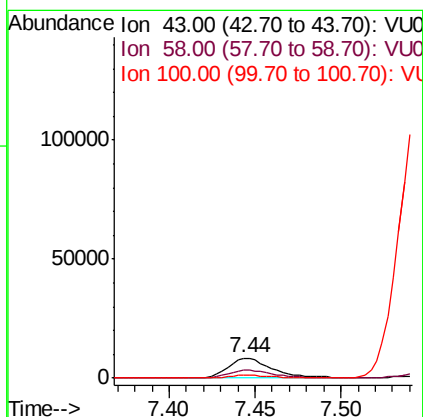
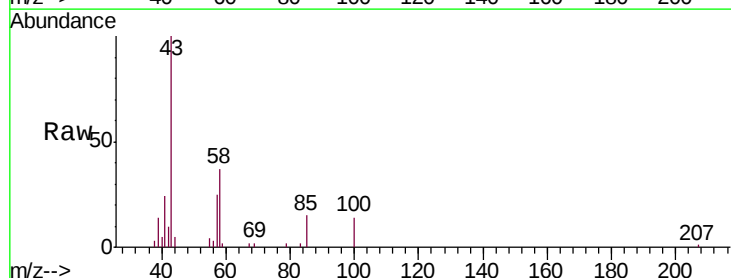
Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

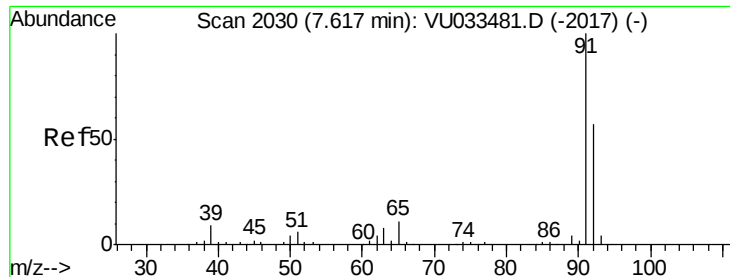
Tgt Ion: 75 Resp: 9175
 Ion Ratio Lower Upper
 75 100
 77 35.3 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 4.922 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Tgt Ion: 43 Resp: 15212
 Ion Ratio Lower Upper
 43 100
 58 38.8 33.4 50.2
 100 14.3 12.3 18.5





#42

Toluene

Concen: 2.711 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampleId :

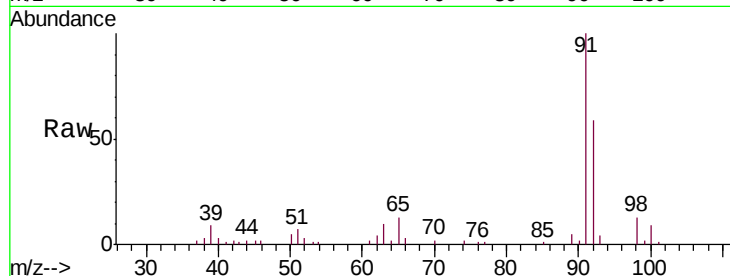
MDL05

Tgt Ion: 91 Resp: 25441

Ion Ratio Lower Upper

91 100

92 58.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU033489.D (-2017) (-)

Ion 92.00 (91.70 to 92.70): VU033489.D (-2017) (-)

7.62

15000

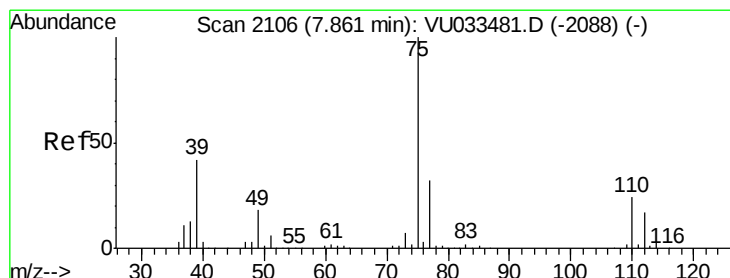
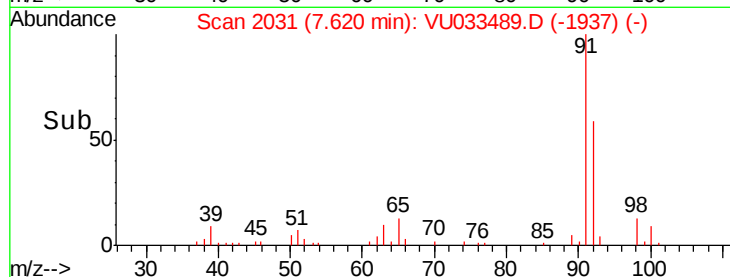
10000

5000

0

Time-->

7.55 7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 3.160 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033489.D

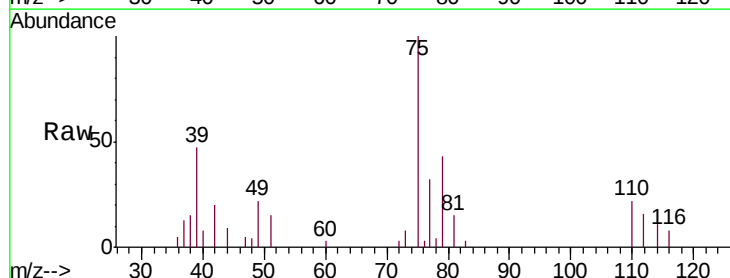
Acq: 30 Jul 2019 12:58

Tgt Ion: 75 Resp: 10032

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU033489.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033489.D (-2088) (-)

7.87

4000

3000

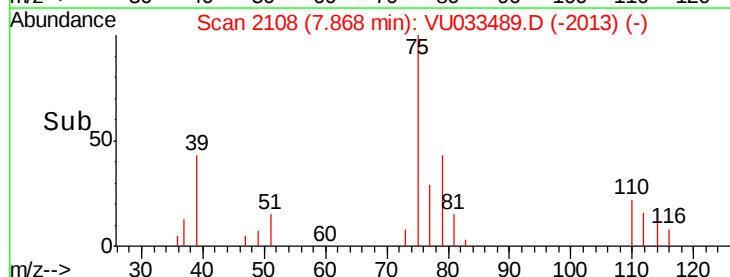
2000

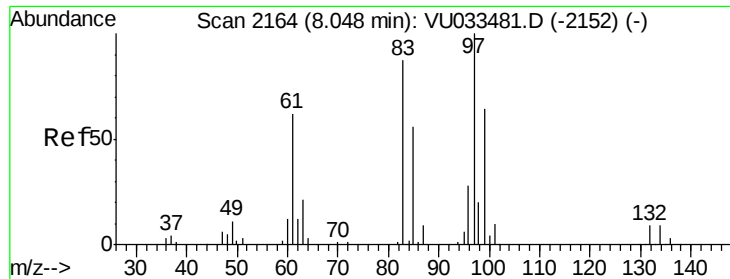
1000

0

Time-->

7.75 7.80 7.85 7.90 7.95



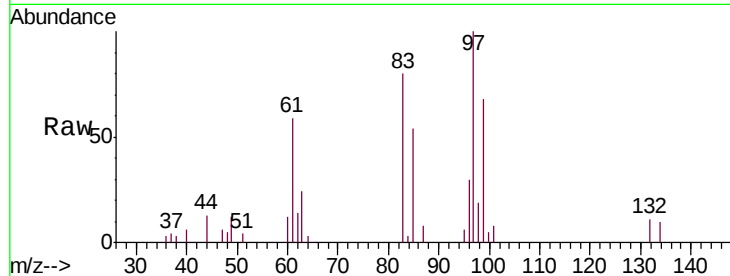


#45
 1,1,2-Trichloroethane
 Concen: 2.697 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL05

Tgt Ion: 97 Resp: 6032

Ion	Ratio	Lower	Upper
97	100		
99	68.4	43.3	80.5
83	80.4	61.3	113.9
85	53.5	41.0	76.2



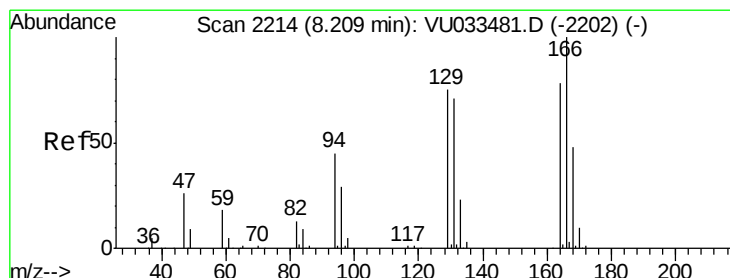
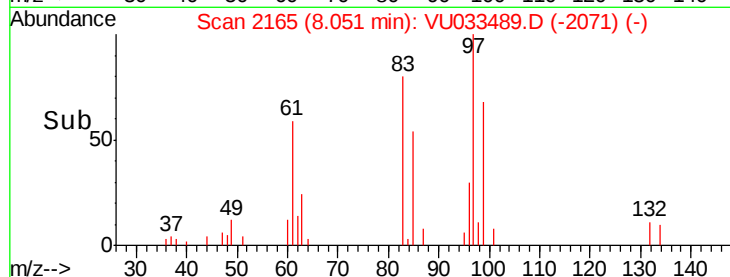
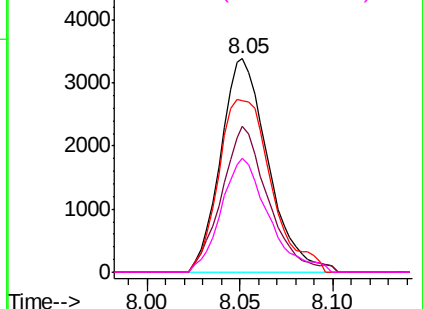
Abundance

Ion 97.00 (96.70 to 97.70): VU033489.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033489.D (-2152) (-)

Ion 83.00 (82.70 to 83.70): VU033489.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033489.D (-2152) (-)



#46
 Tetrachloroethene
 Concen: 2.555 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Tgt Ion: 164 Resp: 4724

Ion	Ratio	Lower	Upper
164	100		
129	99.8	66.6	123.8
131	106.4	63.9	118.7
166	133.2	90.5	168.1

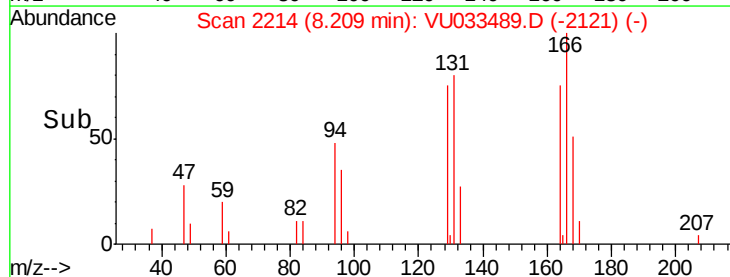
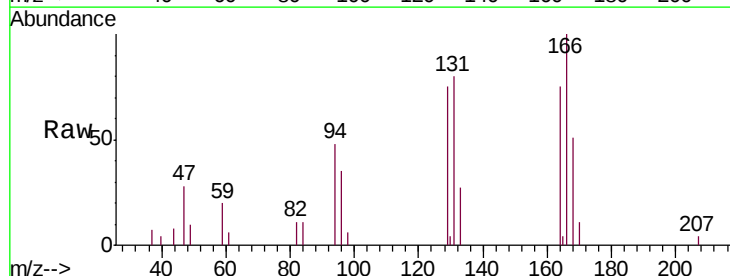
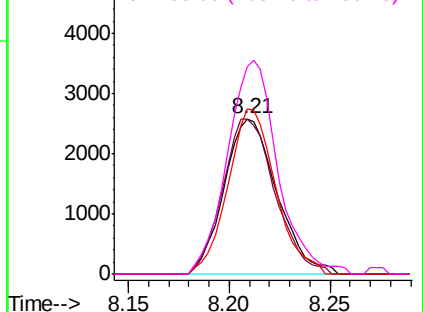
Abundance

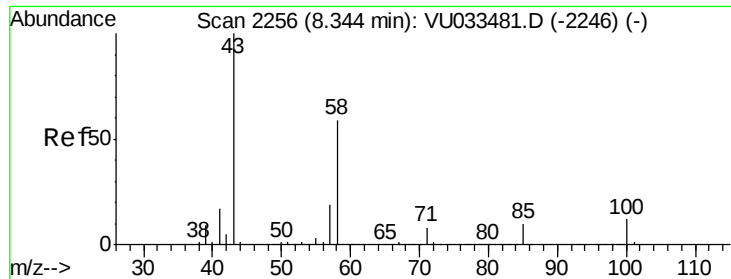
Ion 164.00 (163.70 to 164.70): VU033489.D (-2211) (-)

Ion 129.00 (128.70 to 129.70): VU033489.D (-2211) (-)

Ion 131.00 (130.70 to 131.70): VU033489.D (-2211) (-)

Ion 166.00 (165.70 to 166.70): VU033489.D (-2211) (-)

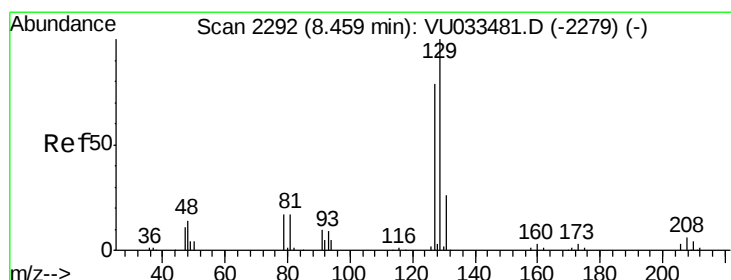
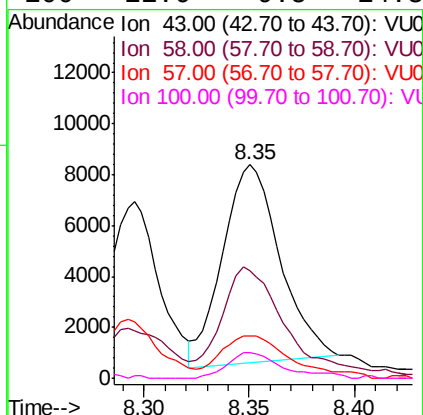
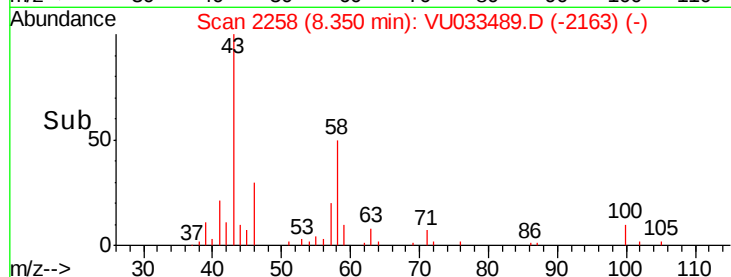
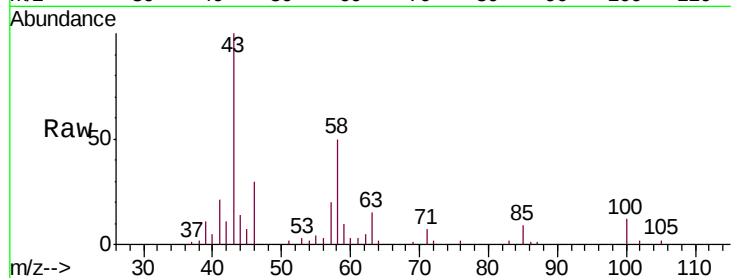




#48
2-Hexanone
Concen: 5.861 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

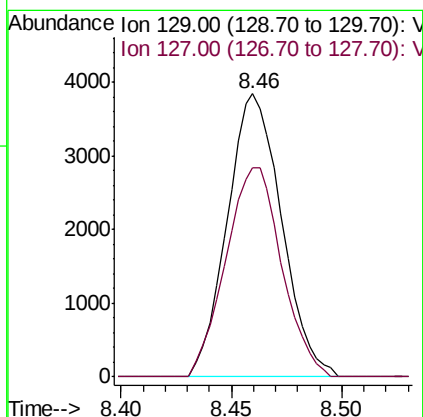
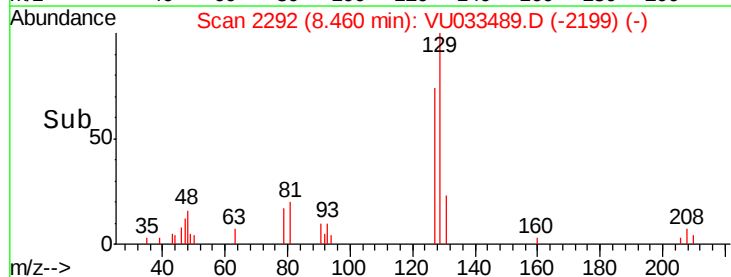
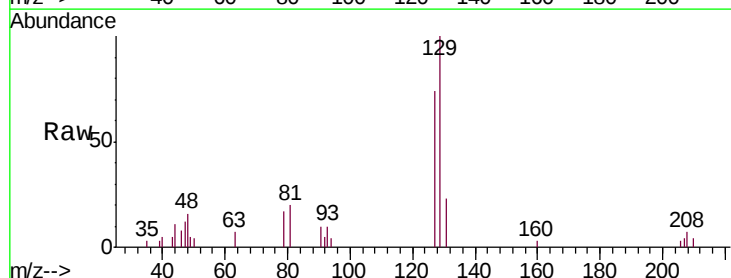
Instrument :
MSVOA_U
ClientSampleId :
MDL05

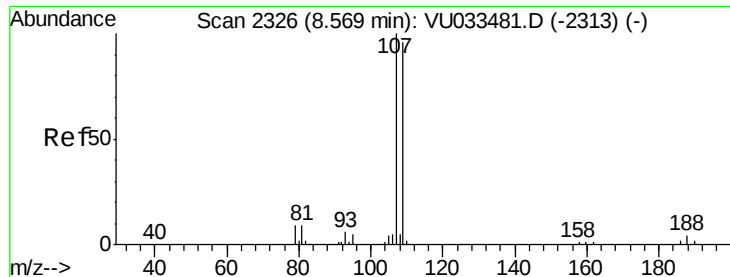
Tgt Ion: 43 Resp: 14758
Ion Ratio Lower Upper
43 100
58 56.2 46.6 69.8
57 0.0 16.0 24.0#
100 11.6 9.5 14.3



#49
Dibromochloromethane
Concen: 2.628 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion: 129 Resp: 6581
Ion Ratio Lower Upper
129 100
127 74.0 54.5 101.1

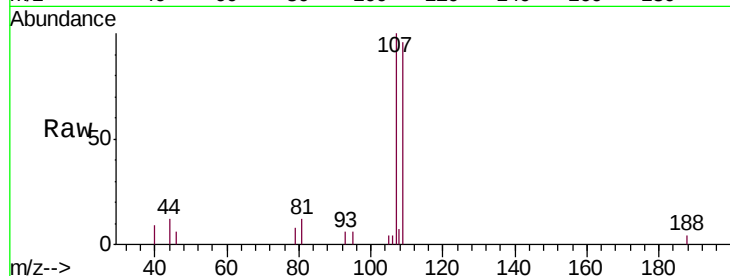




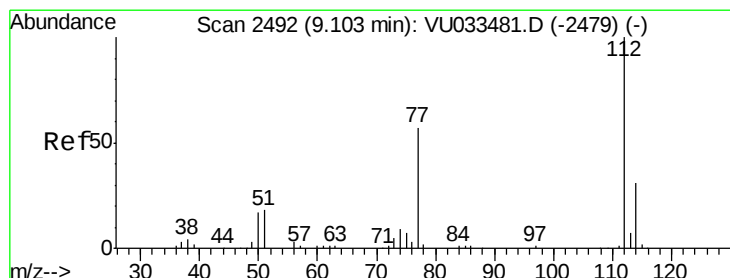
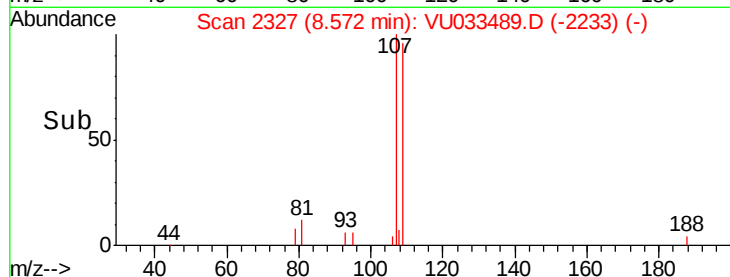
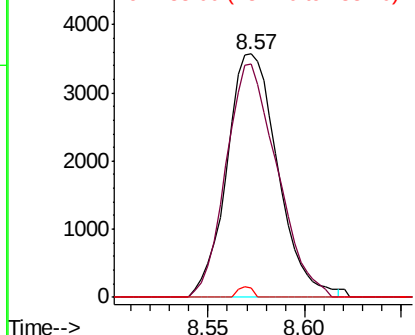
#50
1,2-Dibromoethane
Concen: 2.698 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:107 Resp: 6548
Ion Ratio Lower Upper
107 100
109 95.9 64.7 120.1
188 3.7 2.8 4.2

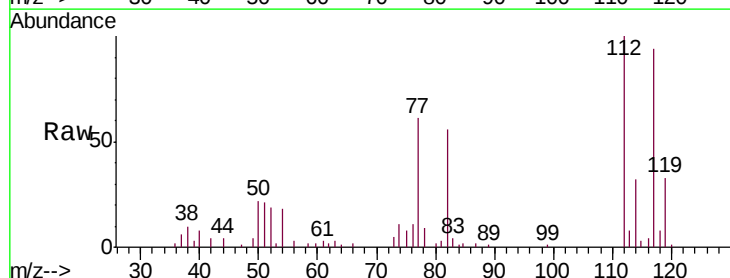


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

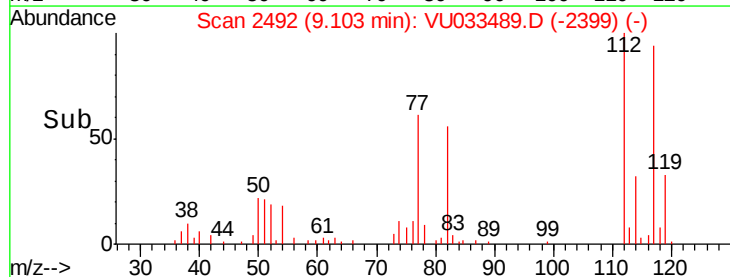
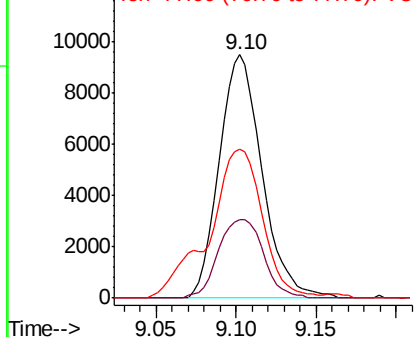


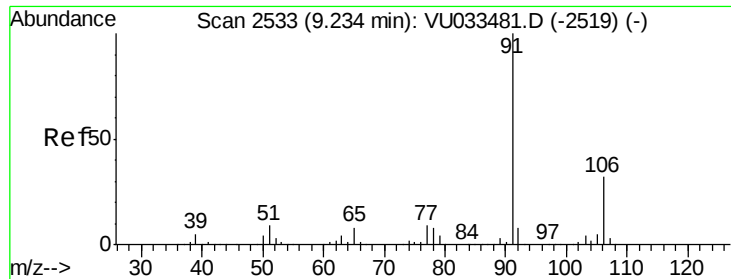
#51
Chlorobenzene
Concen: 2.793 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion:112 Resp: 17418
Ion Ratio Lower Upper
112 100
114 32.1 21.9 40.7
77 61.1 46.1 69.1



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





#52

Ethylbenzene

Concen: 2.476 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampleId :

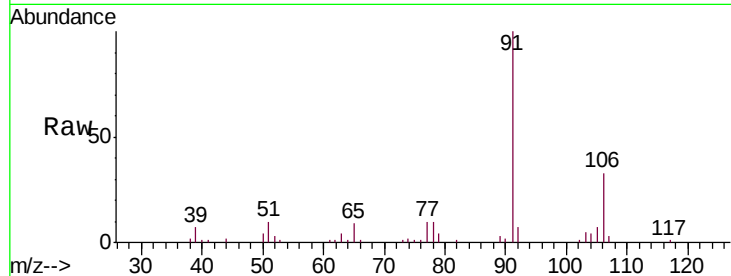
MDL05

Tgt Ion: 91 Resp: 25192

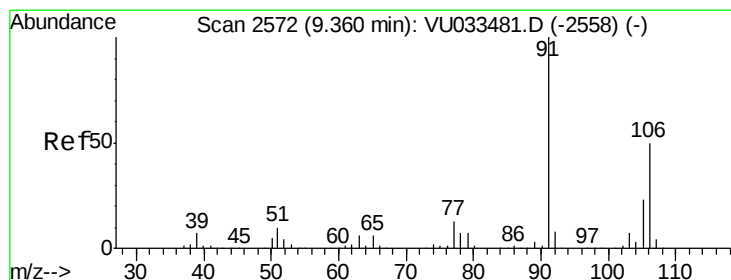
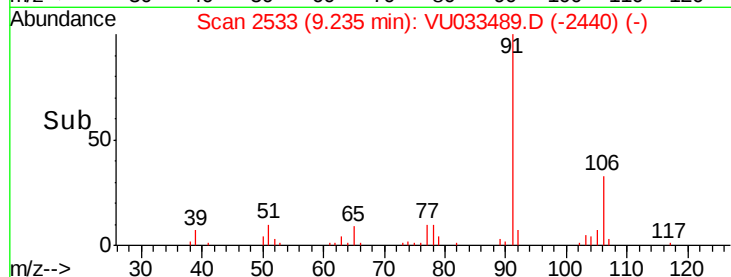
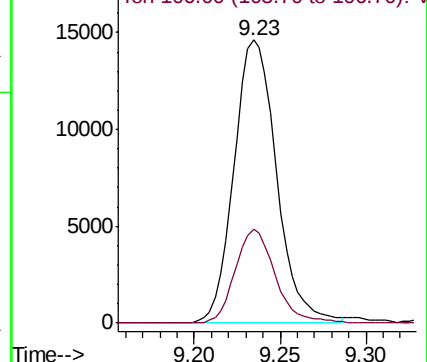
Ion Ratio Lower Upper

91 100

106 33.2 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU033489.D (-2519) (-)



#53

m,p-Xylene

Concen: 2.440 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033489.D

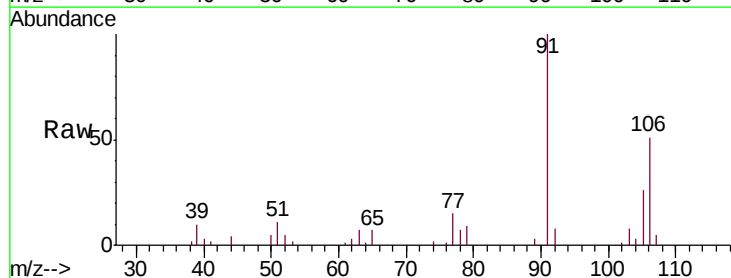
Acq: 30 Jul 2019 12:58

Tgt Ion: 106 Resp: 9333

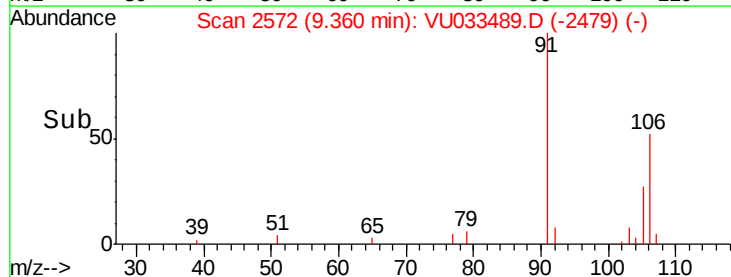
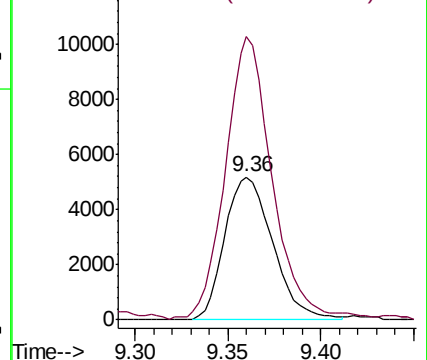
Ion Ratio Lower Upper

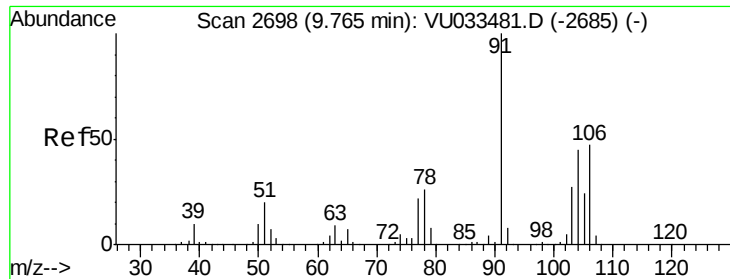
106 100

91 198.0 140.7 261.3



Abundance Ion 106.00 (105.70 to 106.70): VU033489.D (-2572) (-)

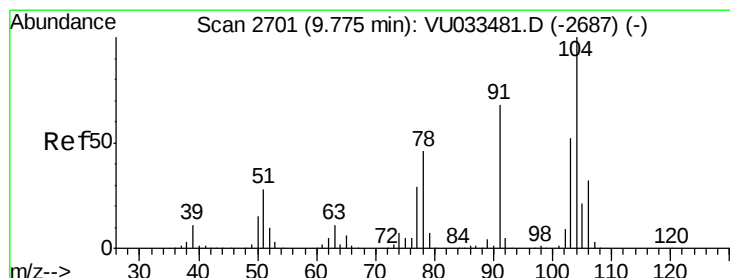
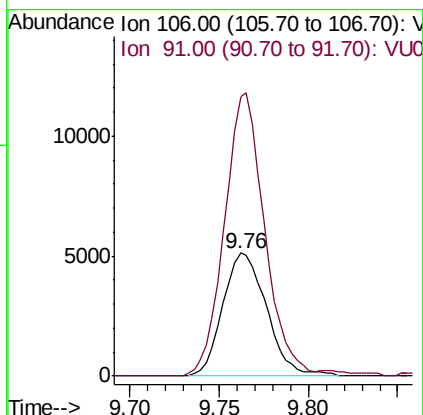
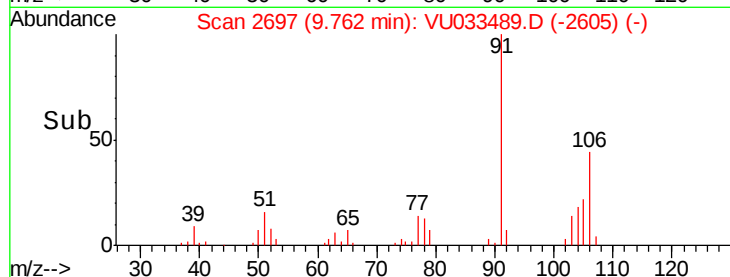
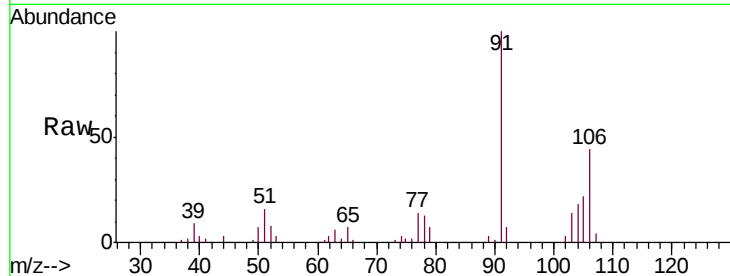




#54
o-xylene
Concen: 2.341 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

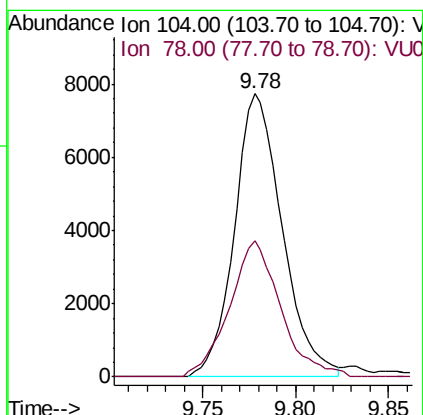
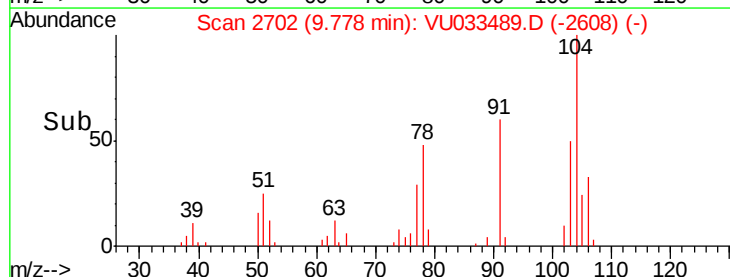
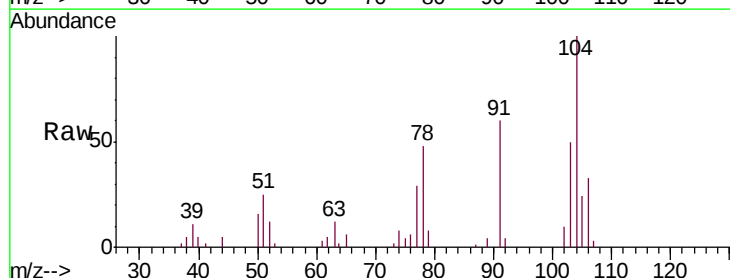
Instrument :
MSVOA_U
ClientSampleId :
MDL05

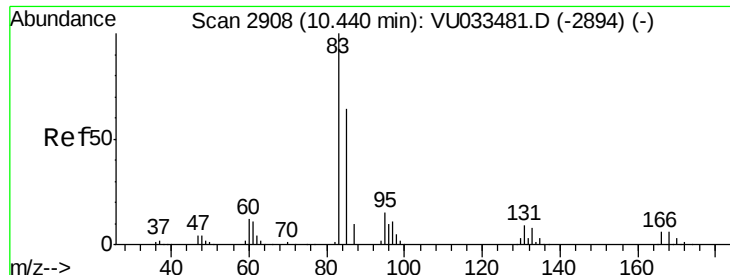
Tgt Ion:106 Resp: 8781
Ion Ratio Lower Upper
106 100
91 227.1 151.1 280.7



#55
Styrene
Concen: 2.174 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion:104 Resp: 13838
Ion Ratio Lower Upper
104 100
78 48.0 32.6 60.5

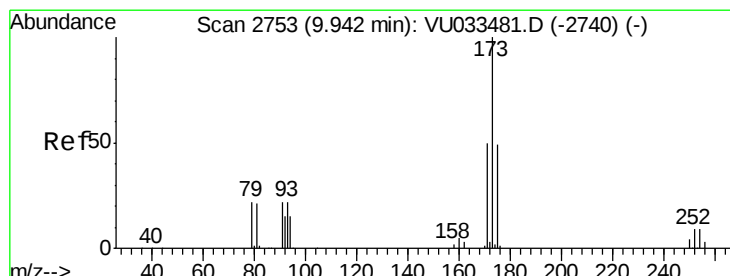
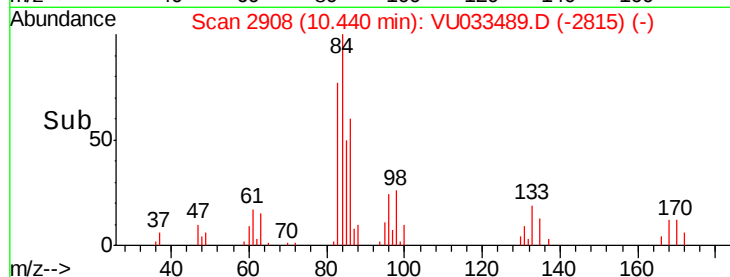
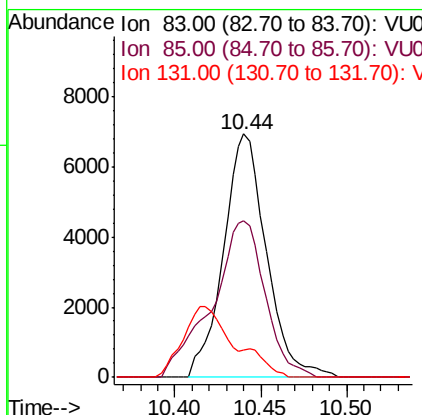
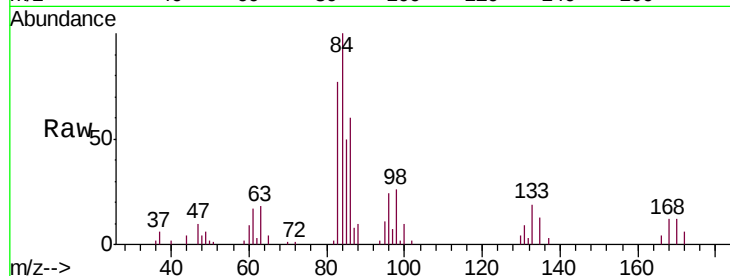




#57
 1,1,2,2-Tetrachloroethane
 Concen: 3.034 ug/L
 RT: 10.44 min Scan# 2908
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

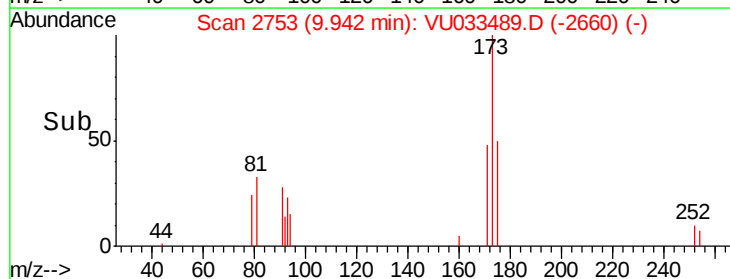
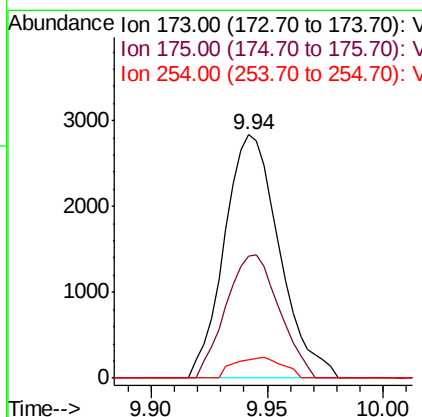
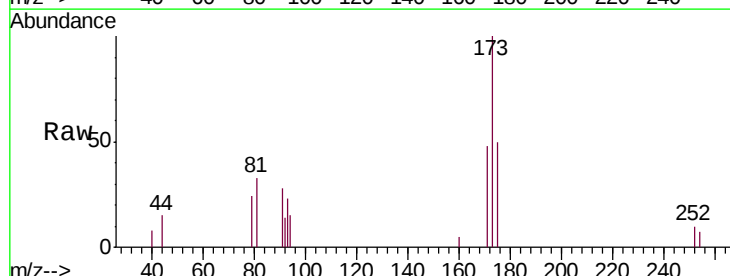
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

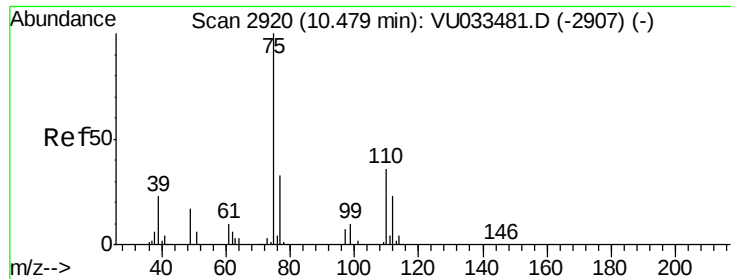
Tgt Ion: 83 Resp: 12067
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.9 85.3
 131 11.0 7.8 11.8



#59
 Bromoform
 Concen: 2.713 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Tgt Ion: 173 Resp: 4659
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.1 57.1
 254 7.6 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 3.184 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampleId :

MDL05

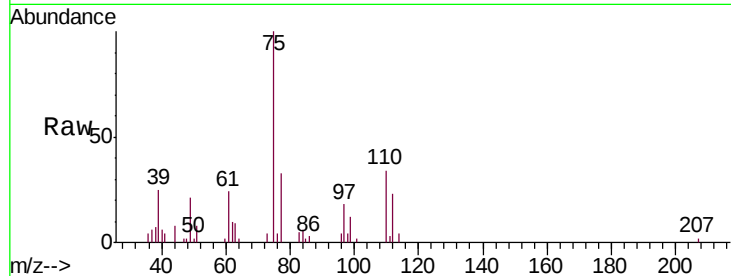
Tgt Ion: 75 Resp: 8903

Ion Ratio Lower Upper

75 100

77 31.0 25.9 38.9

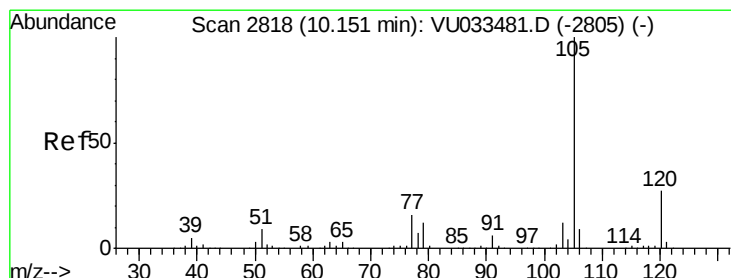
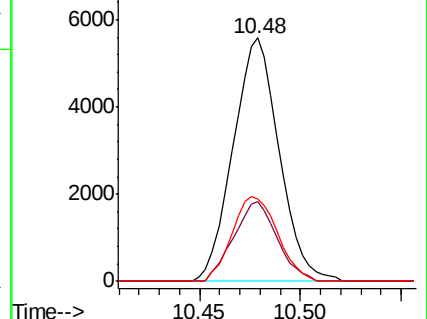
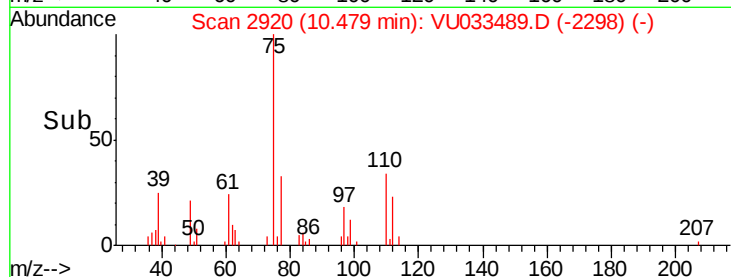
110 34.4 30.2 45.4



Abundance Ion 75.00 (74.70 to 75.70): VU033481.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033481.D (-2907) (-)

Ion 110.00 (109.70 to 110.70): VU033481.D (-2907) (-)



#61

Isopropylbenzene

Concen: 2.535 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

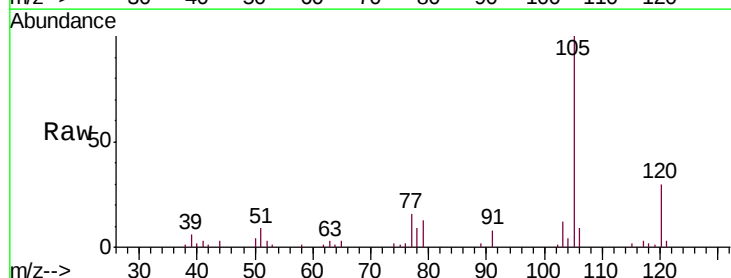
Tgt Ion: 105 Resp: 22291

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

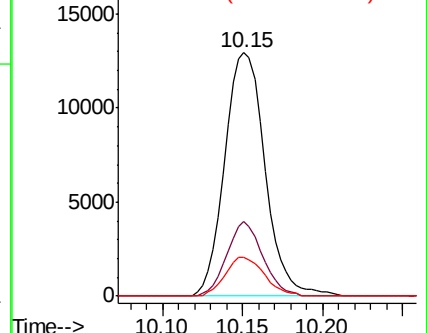
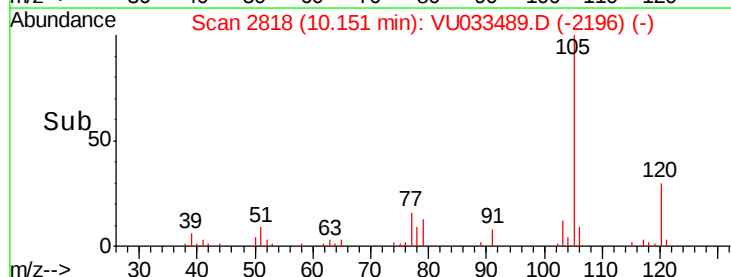
77 15.5 12.6 19.0

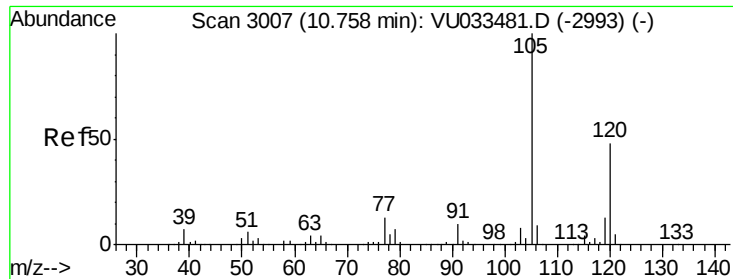


Abundance Ion 105.00 (104.70 to 105.70): VU033481.D (-2805) (-)

Ion 120.00 (119.70 to 120.70): VU033481.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU033481.D (-2805) (-)





#62

1,3,5-Trimethylbenzene

Concen: 2.373 ug/L

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampleId :

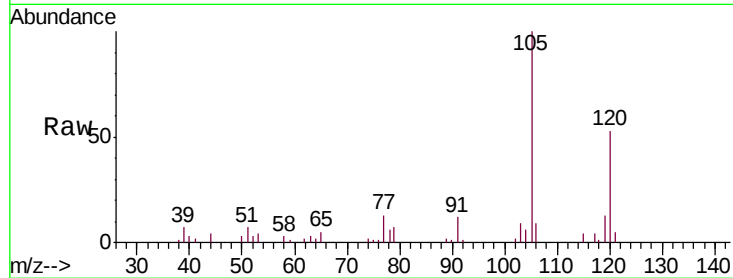
MDL05

Tgt Ion:105 Resp: 16903

Ion Ratio Lower Upper

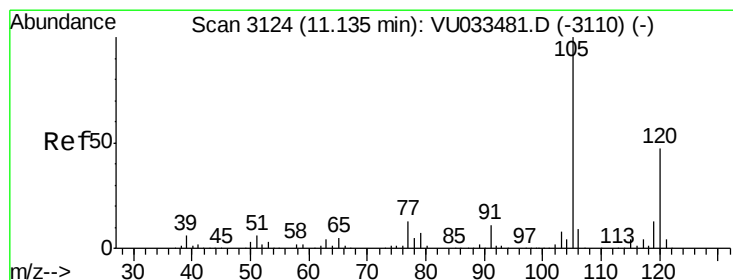
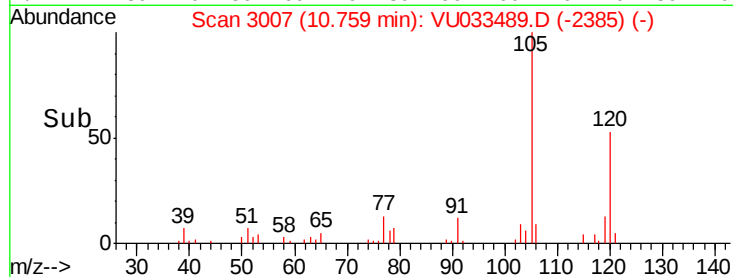
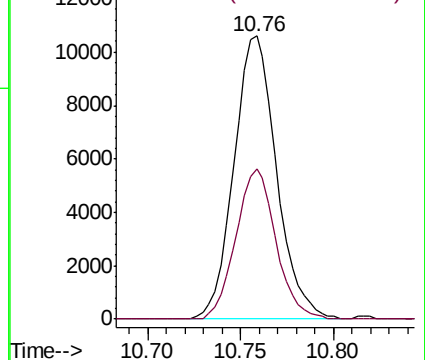
105 100

120 49.8 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: 2.280 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VU033489.D

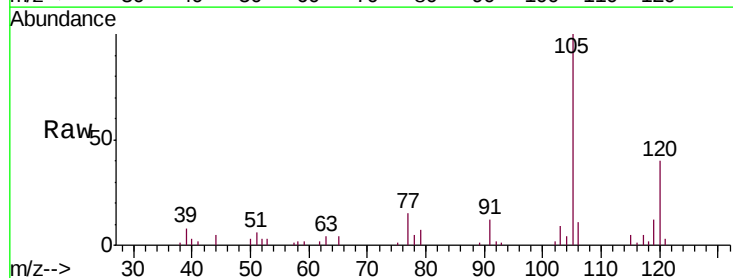
Acq: 30 Jul 2019 12:58

Tgt Ion:105 Resp: 16109

Ion Ratio Lower Upper

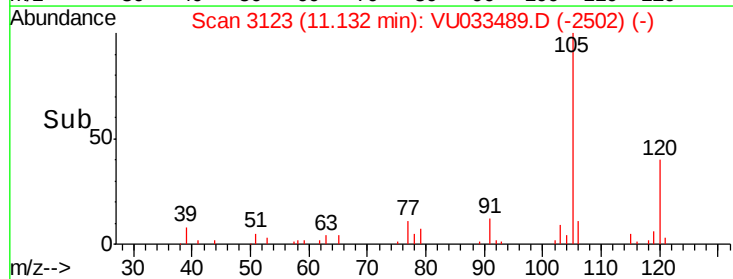
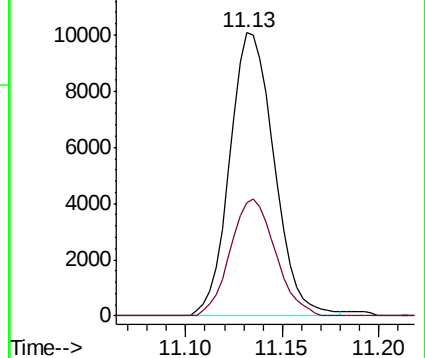
105 100

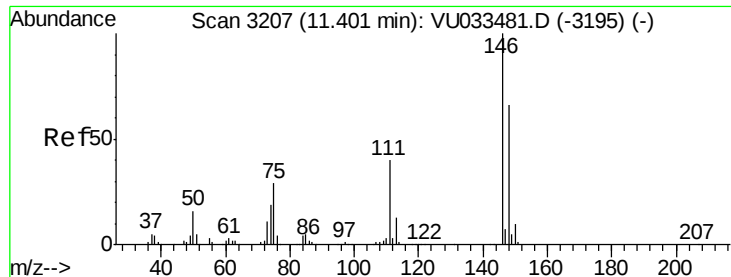
120 41.8 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.761 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

Instrument :

MSVOA_U

ClientSampleId :

MDL05

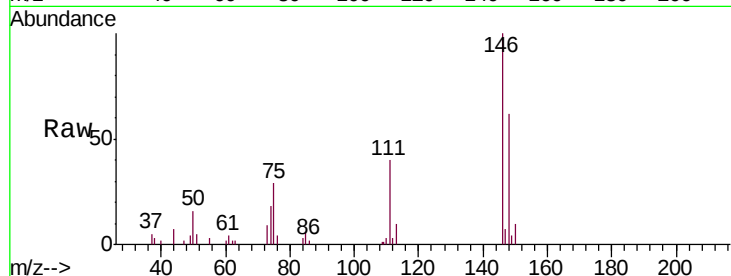
Tgt Ion:146 Resp: 12374

Ion Ratio Lower Upper

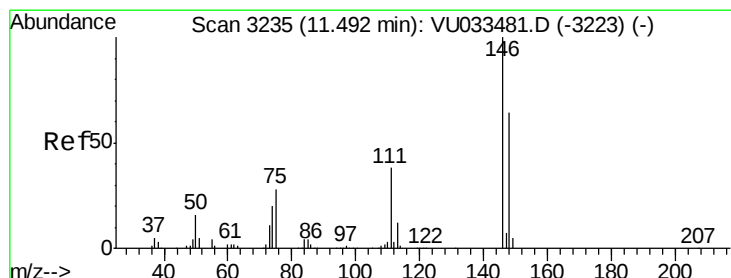
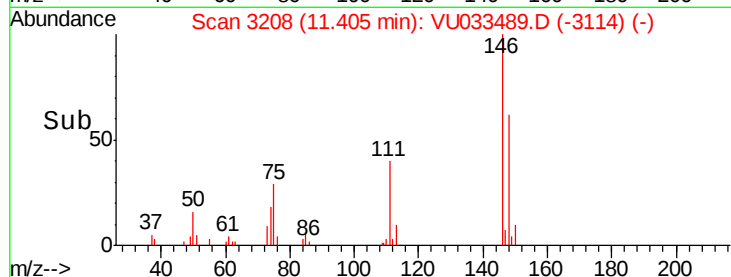
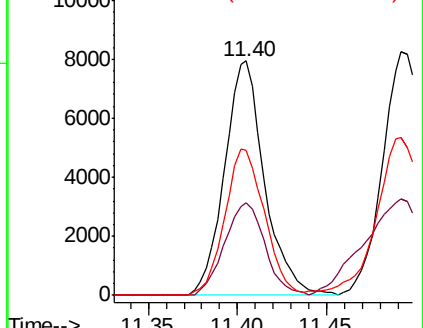
146 100

111 39.7 28.2 52.4

148 61.9 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: 2.937 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033489.D

Acq: 30 Jul 2019 12:58

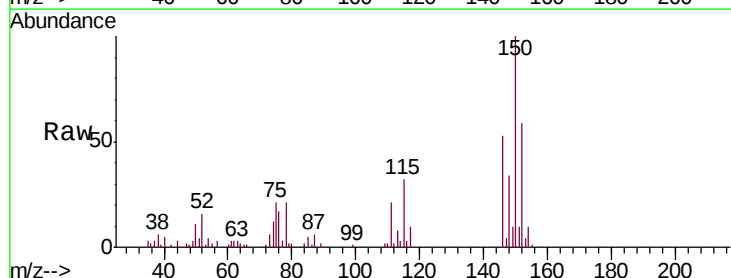
Tgt Ion:146 Resp: 13597

Ion Ratio Lower Upper

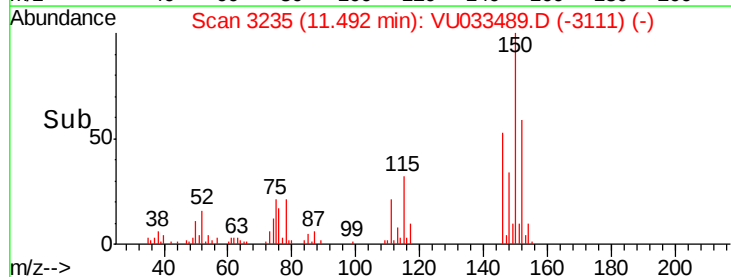
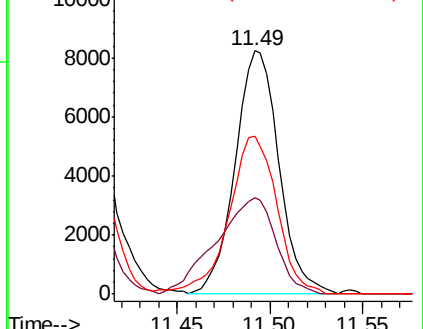
146 100

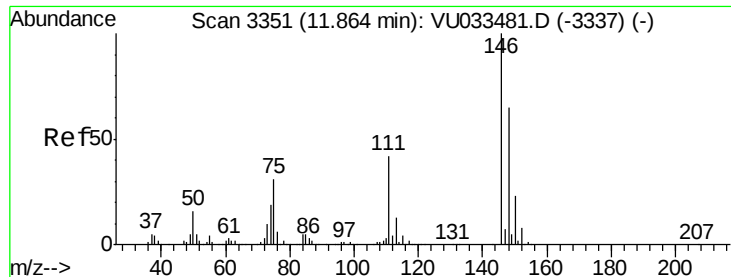
111 39.7 27.0 50.2

148 64.9 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

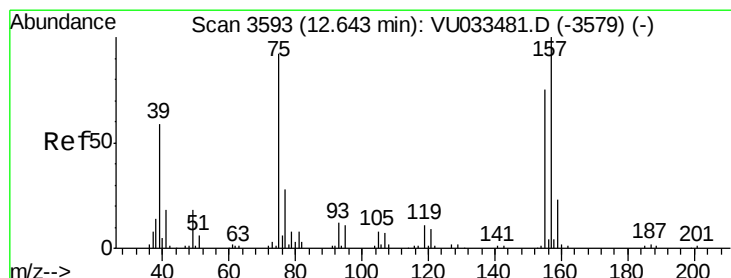
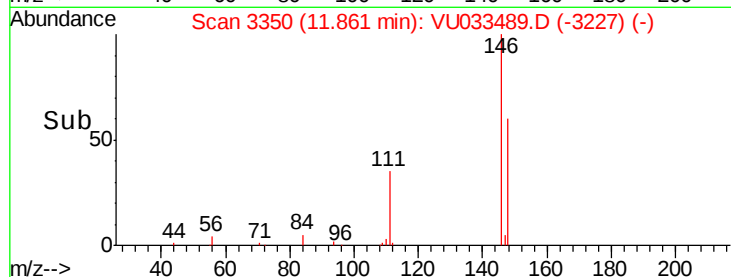
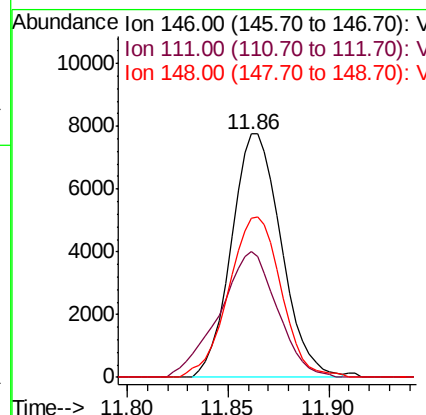
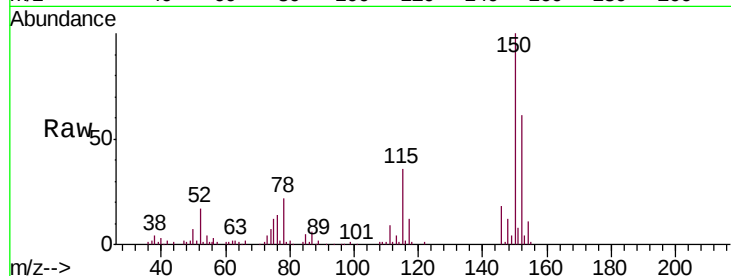




#67
 1,2-Dichlorobenzene
 Concen: 2.989 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

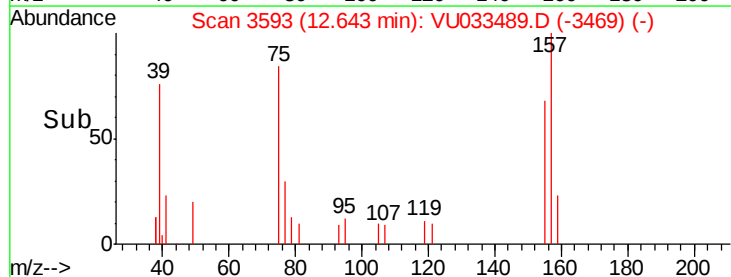
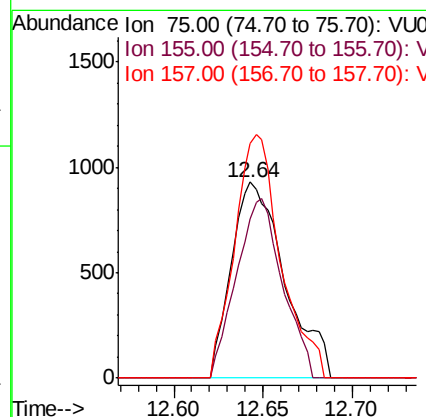
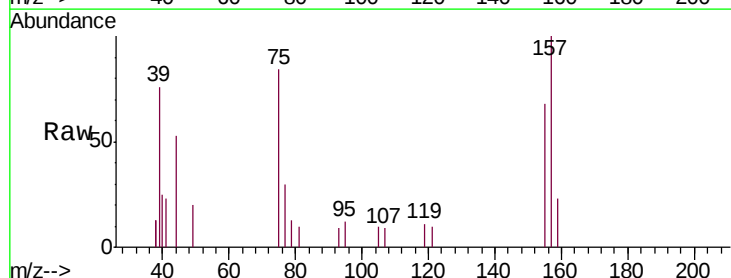
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

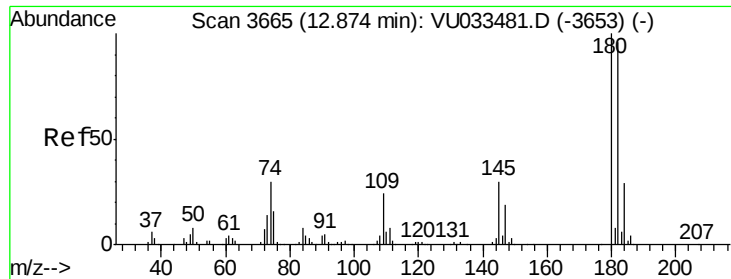
Tgt Ion: 146 Resp: 13422
 Ion Ratio Lower Upper
 146 100
 111 51.7 32.8 49.2#
 148 65.4 49.2 73.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.493 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Tgt Ion: 75 Resp: 1938
 Ion Ratio Lower Upper
 75 100
 155 81.2 64.8 97.2
 157 119.5 87.1 130.7

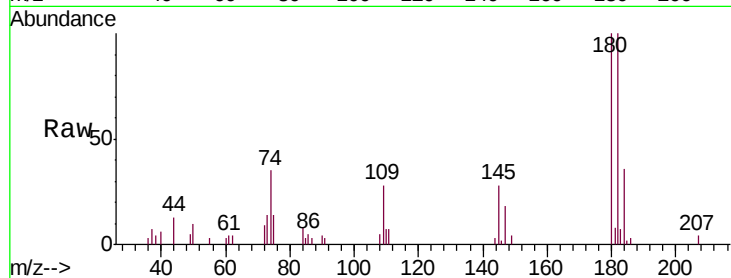




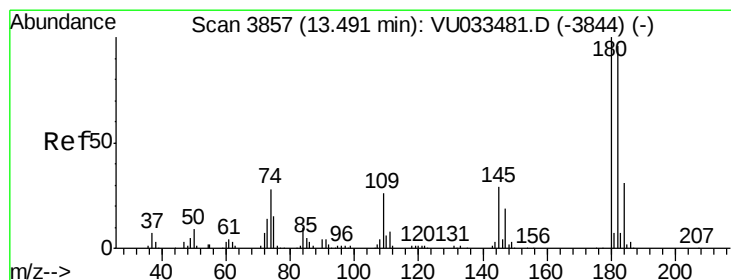
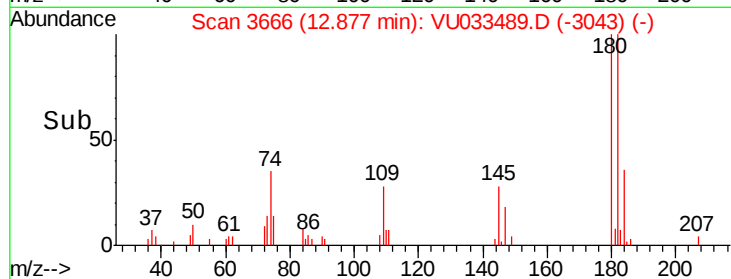
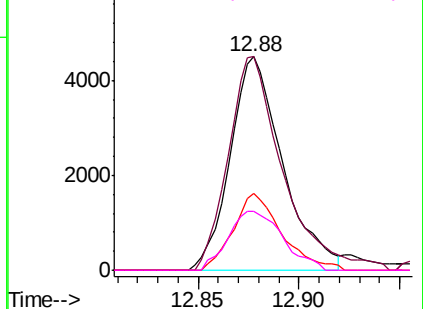
#69
 1,3,5-Trichlorobenzene
 Concen: 2.403 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 8175
 Ion Ratio Lower Upper
 180 100
 182 102.2 76.2 114.4
 184 33.2 24.1 36.1
 145 28.7 23.7 35.5

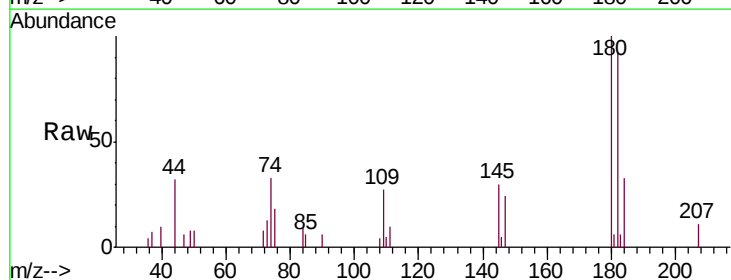


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

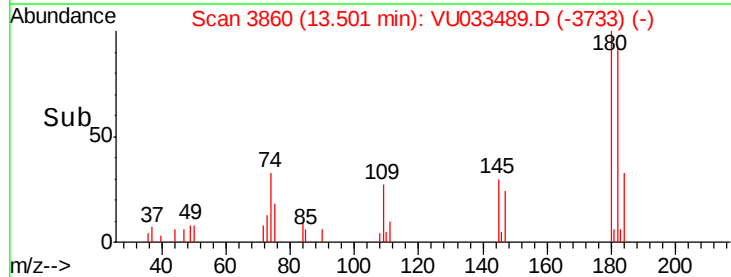
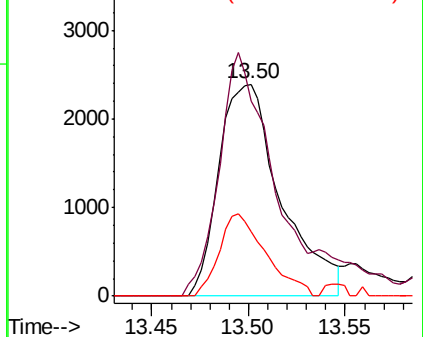


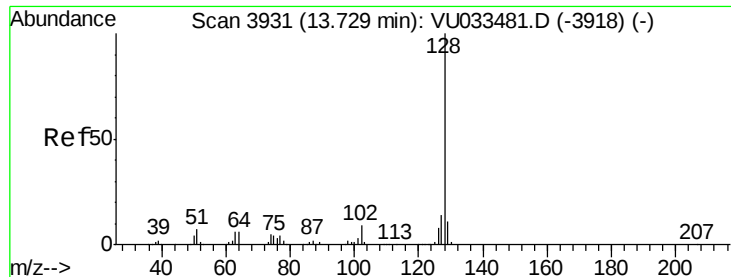
#70
 1,2,4-trichlorobenzene
 Concen: 1.887 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.01 min
 Lab File: VU033489.D
 Acq: 30 Jul 2019 12:58

Tgt Ion:180 Resp: 5358
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.5 116.3
 145 29.1 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

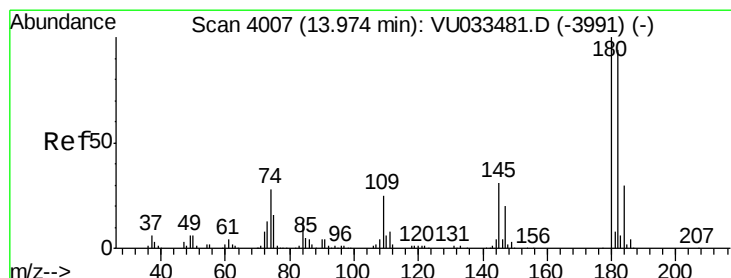
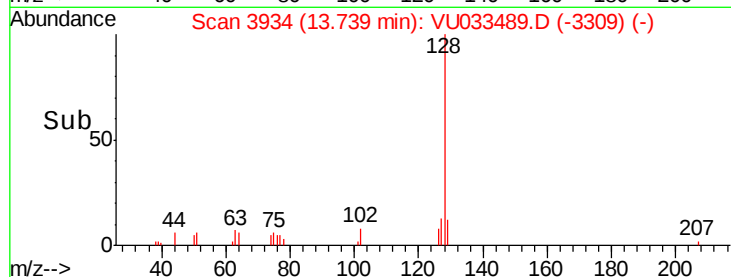
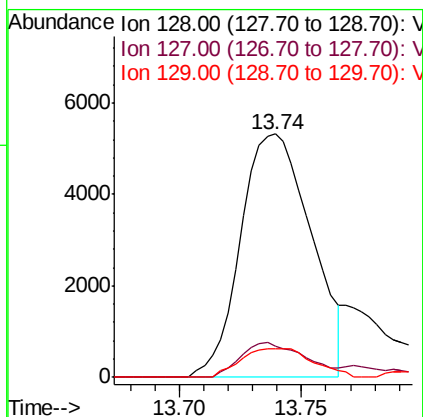
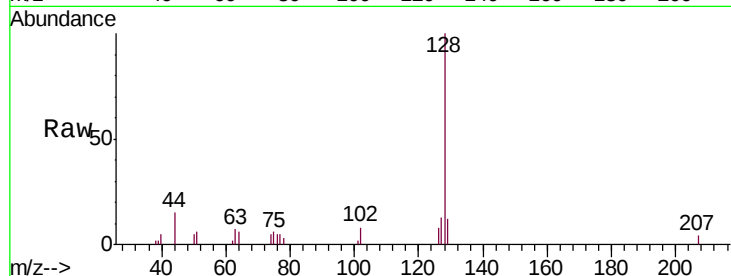




#71
Naphthalene
Concen: 1.300 ug/L
RT: 13.74 min Scan# 3934
Delta R.T. 0.01 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:128 Resp: 10679
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 12.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 1.873 ug/L
RT: 13.98 min Scan# 4009
Delta R.T. 0.01 min
Lab File: VU033489.D
Acq: 30 Jul 2019 12:58

Tgt Ion:180 Resp: 5573
Ion Ratio Lower Upper
180 100
182 90.4 76.4 114.6
145 33.9 24.9 37.3

