

Data File : VU033805.D
Acq On : 15 Aug 2019 12:14
Operator : JC/SP
Sample : MDL04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Aug 16 01:12:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	170595	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	175283	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	80558	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	84350	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.67	69	72281	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.26	65	39866	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.19	46	197425	52.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.84%
24) Chloroform-d	4.62	84	135177	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.29	65	72995	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.32	84	253955	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.31	67	85417	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.55	98	210983	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.84	79	30948	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.30	63	134092	49.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.58%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	72736	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
66) 1,2-Dichlorobenzene-d4	11.85	152	83340	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5654	0.229 ug/L	93
3) Chloromethane	1.32	50	6545	0.255 ug/L	99
5) Vinyl chloride	1.39	62	6586	0.235 ug/L #	58
6) Bromomethane	1.62	94	4073	0.250 ug/L	100
8) Chloroethane	1.69	64	4109	0.249 ug/L	91
9) Trichlorofluoromethane	1.87	101	9296	0.243 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6026	0.296 ug/L	89
12) 1,1-Dichloroethene	2.27	96	6116	0.311 ug/L #	1
14) Carbon disulfide	2.46	76	16732	0.251 ug/L	98
15) Methyl Acetate	2.62	43	3327	0.322 ug/L	99
16) Methylene chloride	2.68	84	7638	0.333 ug/L	97
17) Methyl tert-butyl Ether	2.99	73	11908	0.234 ug/L #	94
18) trans-1,2-Dichloroethene	2.96	96	6083	0.288 ug/L	96
19) 1,1-Dichloroethane	3.42	63	7631	0.231 ug/L	99
21) 2-Butanone	4.28	43	4347	0.883 ug/L	75
22) cis-1,2-Dichloroethene	4.20	96	4440	0.247 ug/L	88
23) Bromochloromethane	4.53	128	2010	0.233 ug/L	92

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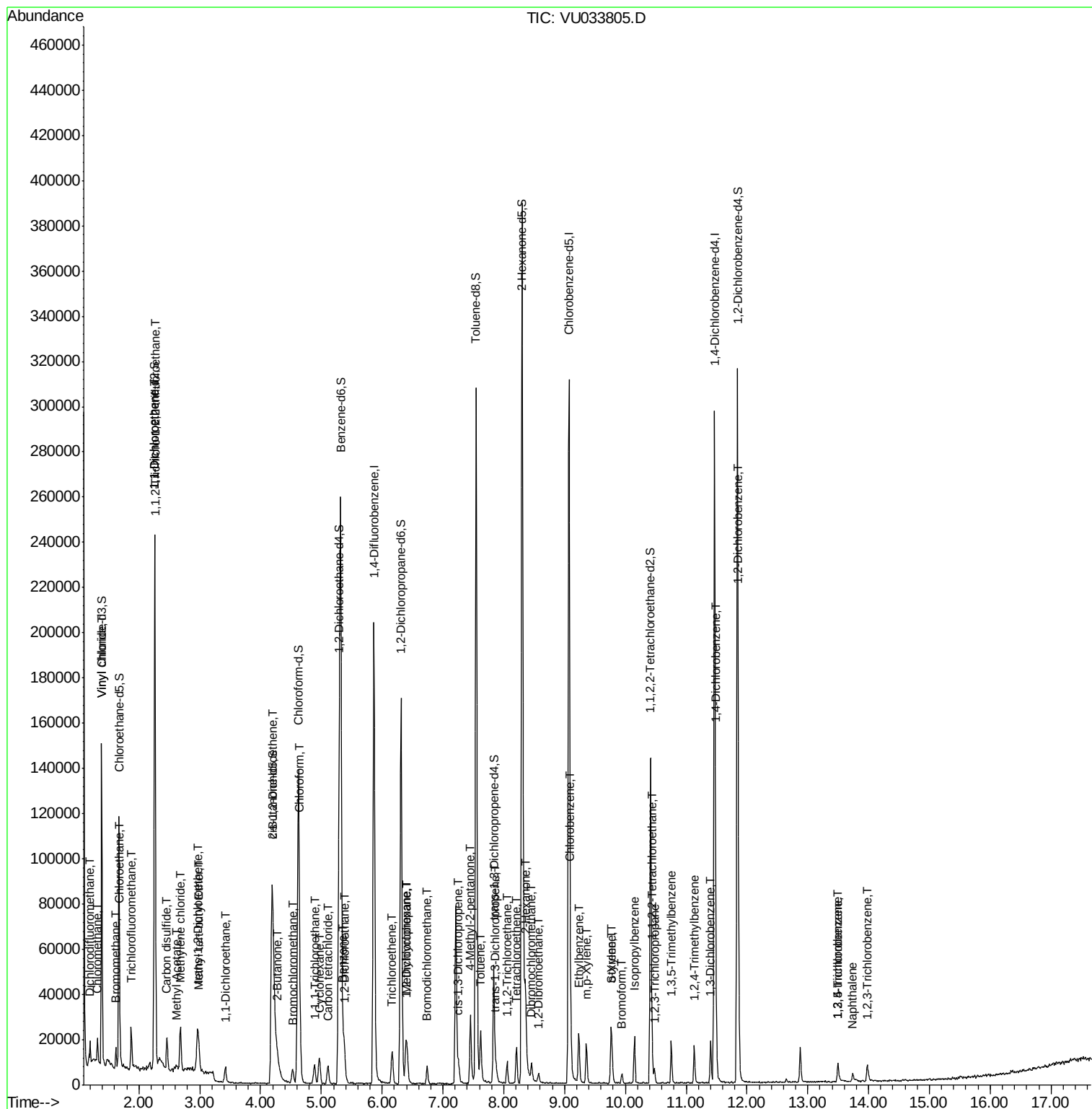
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	12603	0.355	ug/L	95
27) 1,2-Dichloroethane	5.39	62	5273	0.241	ug/L	96
29) 1,1,1-Trichloroethane	4.89	97	6653	0.233	ug/L	95
30) Cyclohexane	4.96	56	4685	0.181	ug/L	87
31) Carbon tetrachloride	5.11	117	6004	0.237	ug/L	97
33) Benzene	5.37	78	16079	0.229	ug/L	100
34) Trichloroethene	6.17	95	4398	0.239	ug/L	90
35) Methylcyclohexane	6.40	83	5814	0.211	ug/L	95
37) 1,2-Dichloropropane	6.41	63	4359	0.230	ug/L #	93
38) Bromodichloromethane	6.74	83	6055	0.253	ug/L #	95
39) cis-1,3-Dichloropropene	7.25	75	5876	0.230	ug/L	93
40) 4-Methyl-2-pentanone	7.45	43	21142	1.931	ug/L #	90
42) Toluene	7.62	91	16365	0.222	ug/L	94
44) trans-1,3-Dichloropropene	7.87	75	4686	0.219	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	3271	0.242	ug/L	90
47) Tetrachloroethene	8.21	164	3474	0.227	ug/L	96
48) 2-Hexanone	8.35	43	25571	3.230	ug/L	93
49) Dibromochloromethane	8.46	129	3710	0.226	ug/L	95
50) 1,2-Dibromoethane	8.57	107	2713	0.207	ug/L #	92
51) Chlorobenzene	9.10	112	11663	0.246	ug/L	97
52) Ethylbenzene	9.23	91	15242	0.200	ug/L	98
53) m,p-Xylene	9.36	106	5560	0.193	ug/L	99
54) o-Xylene	9.76	106	5202	0.191	ug/L	99
55) Styrene	9.78	104	7432	0.157	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.44	83	4063	0.229	ug/L #	95
59) Isopropylbenzene	10.15	105	12683	0.207	ug/L	97
60) Bromoform	9.94	173	2009	0.244	ug/L #	97
61) 1,2,3-Trichloropropane	10.48	75	3079	0.288	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	9504	0.191	ug/L	98
63) 1,2,4-Trimethylbenzene	11.13	105	9112	0.183	ug/L	96
64) 1,3-Dichlorobenzene	11.40	146	8275	0.252	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	8886	0.263	ug/L	97
67) 1,2-Dichlorobenzene	11.86	146	8281	0.261	ug/L	97
69) 1,3,5-Trichlorobenzene	13.50	180	3491	0.135	ug/L	90
70) 1,2,4-trichlorobenzene	13.50	180	3491	0.174	ug/L	89
71) Naphthalene	13.74	128	4612	0.149	ug/L #	90
72) 1,2,3-Trichlorobenzene	13.98	180	3748	0.198	ug/L	91

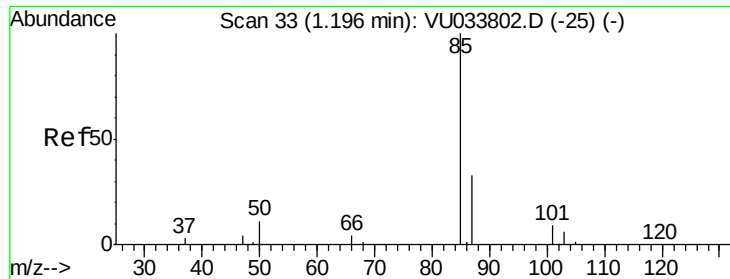
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.229 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

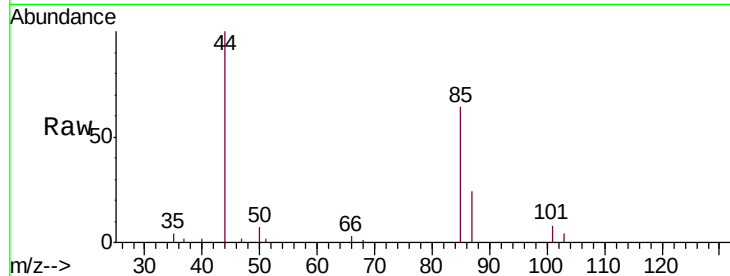
MDL04

Tgt Ion: 85 Resp: 5654

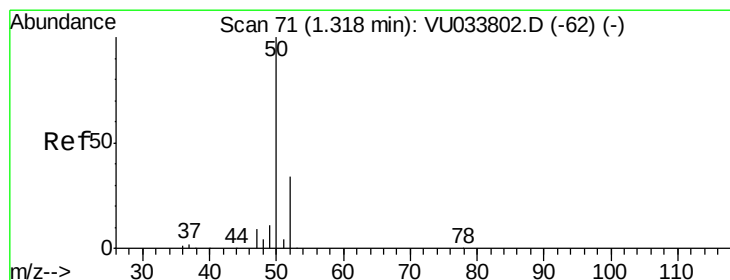
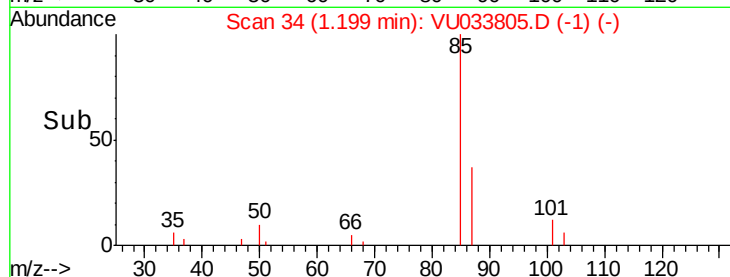
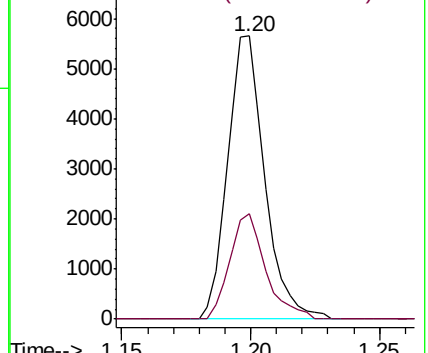
Ion Ratio Lower Upper

85 100

87 36.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033805.D (-1) (-)



#3

Chloromethane

Concen: 0.255 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033805.D

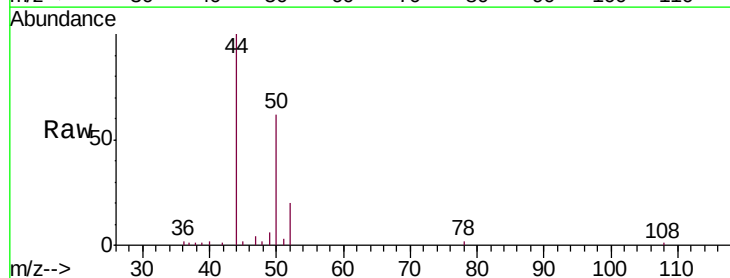
Acq: 15 Aug 2019 12:14

Tgt Ion: 50 Resp: 6545

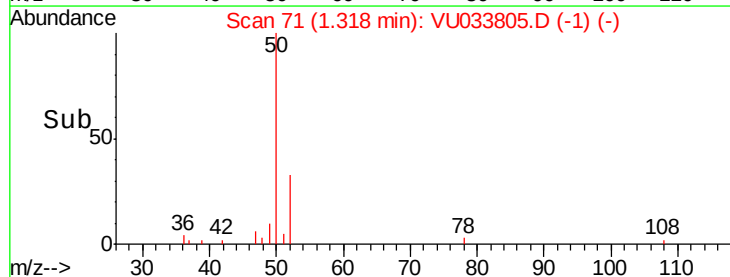
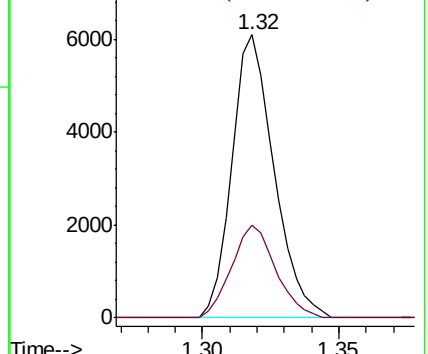
Ion Ratio Lower Upper

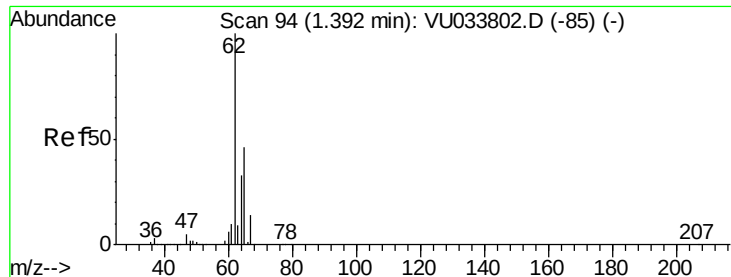
50 100

52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033805.D (-1) (-)





#5

Vinyl chloride

Concen: 0.235 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

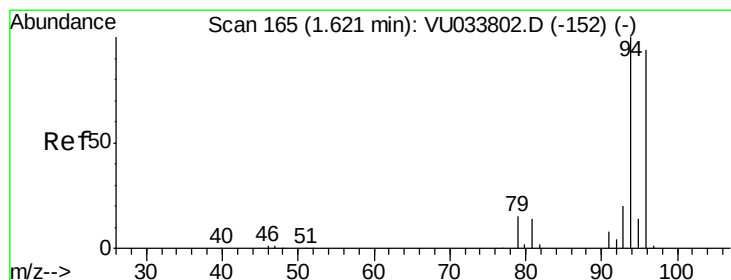
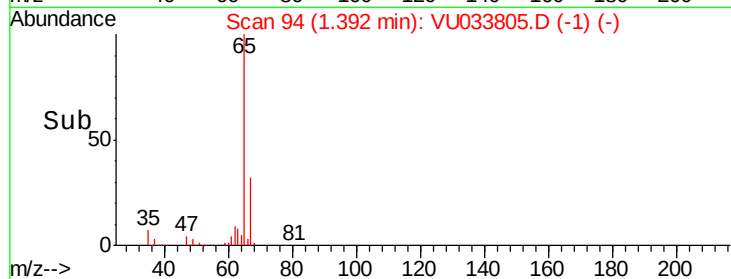
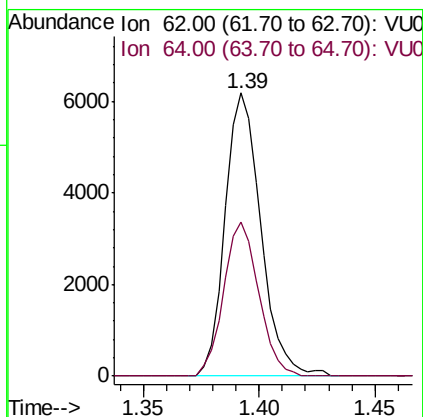
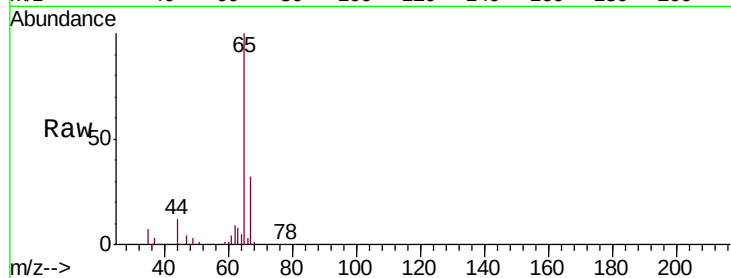
MDL04

Tgt Ion: 62 Resp: 6586

Ion Ratio Lower Upper

62 100

64 54.3 21.9 40.7#



#6

Bromomethane

Concen: 0.250 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033805.D

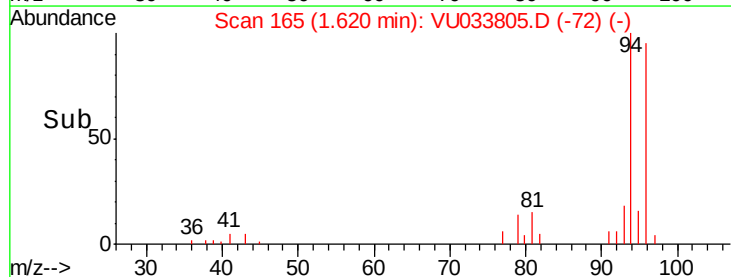
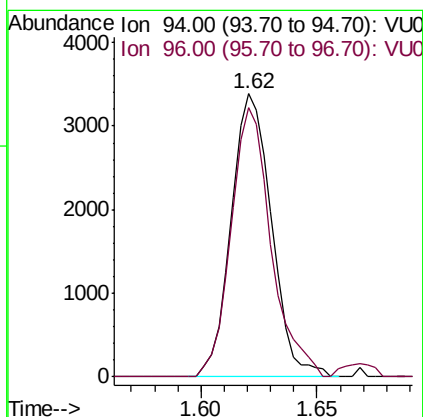
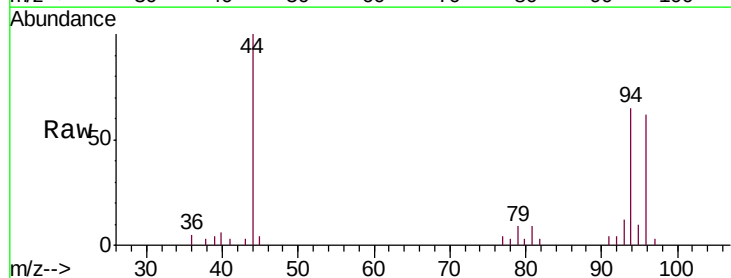
Acq: 15 Aug 2019 12:14

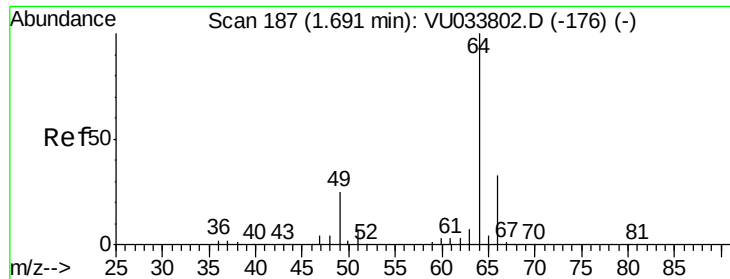
Tgt Ion: 94 Resp: 4073

Ion Ratio Lower Upper

94 100

96 95.3 66.4 123.2

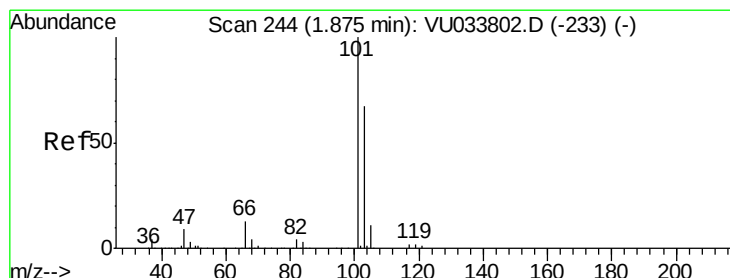
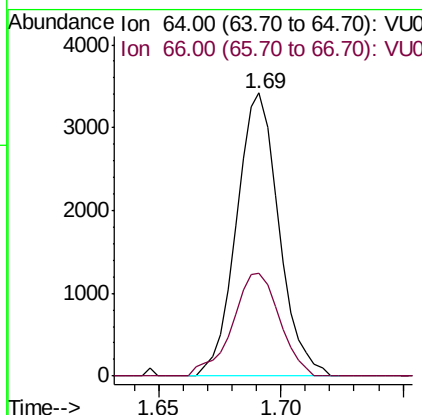
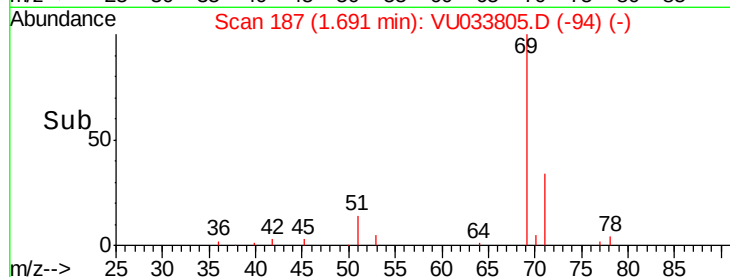
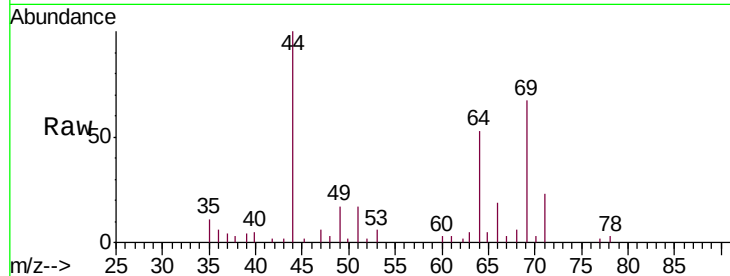




#8
Chloroethane
Concen: 0.249 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

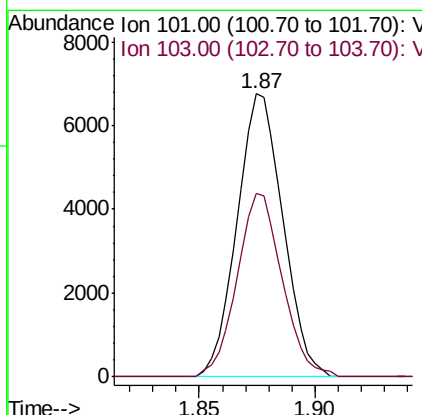
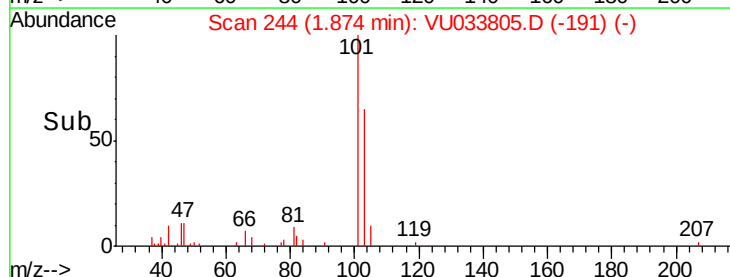
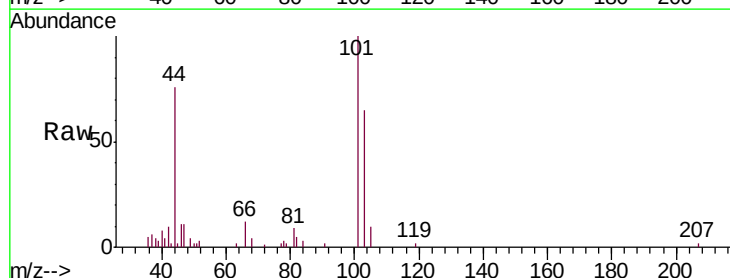
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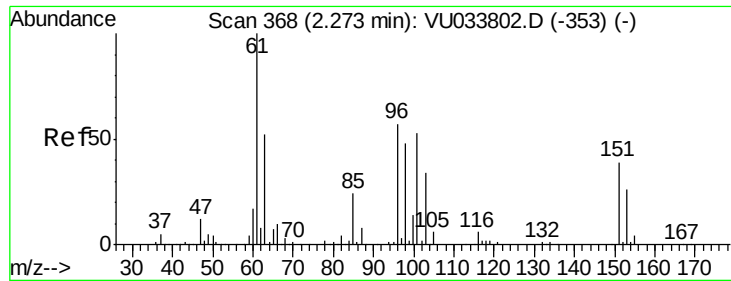
Tgt Ion: 64 Resp: 4109
Ion Ratio Lower Upper
64 100
66 36.4 21.9 40.7



#9
Trichlorofluoromethane
Concen: 0.243 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Tgt Ion: 101 Resp: 9296
Ion Ratio Lower Upper
101 100
103 63.6 52.3 78.5





#10

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

Concen: 0.296 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampled :

MDL04

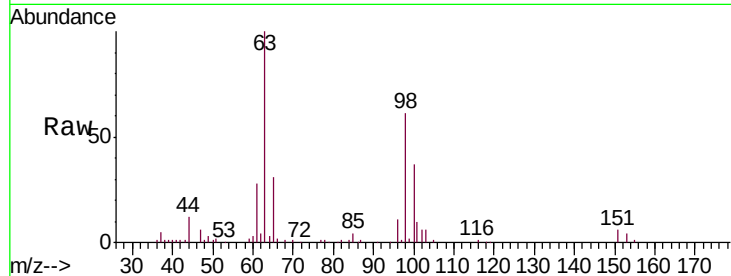
Tgt Ion: 101 Resp: 6026

Ion Ratio Lower Upper

101 100

85 41.2 36.2 54.2

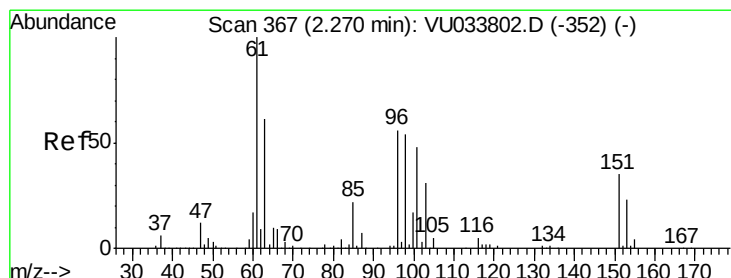
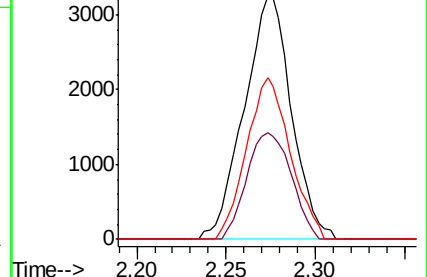
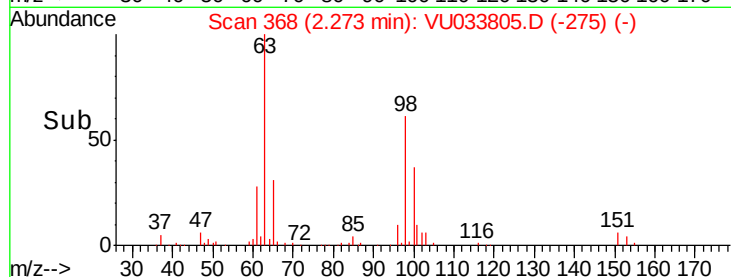
151 61.3 58.7 88.1



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: 0.311 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

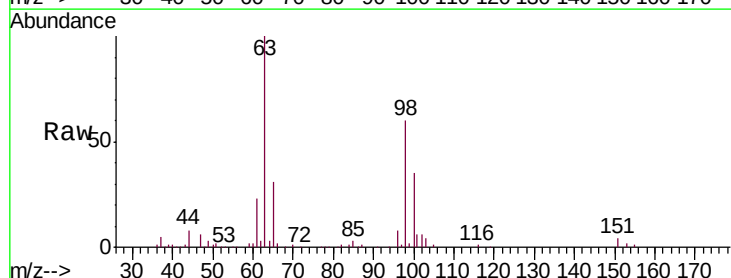
Tgt Ion: 96 Resp: 6116

Ion Ratio Lower Upper

96 100

61 305.2 123.8 230.0#

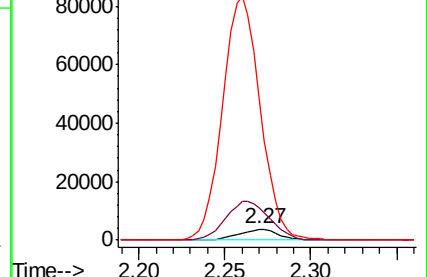
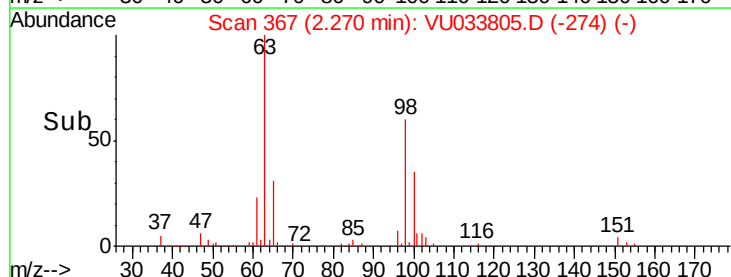
63 1323.7 78.0 144.9#

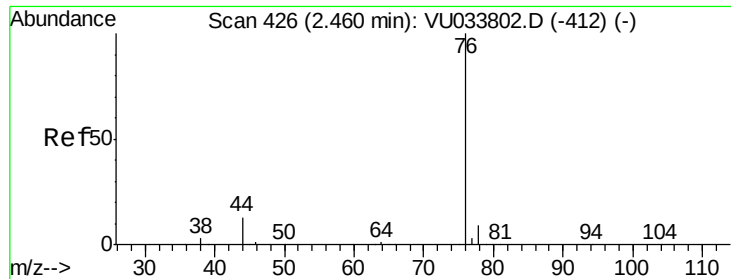


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#14

Carbon disulfide

Concen: 0.251 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

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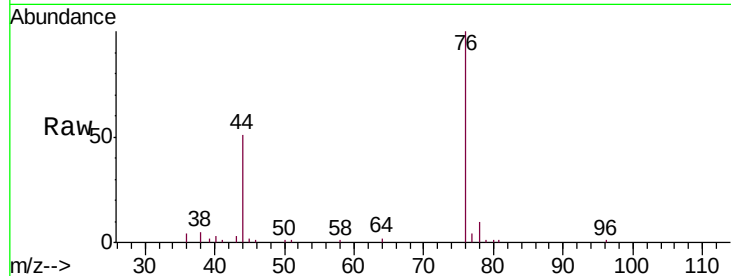
MDL04

Tgt Ion: 76 Resp: 16732

Ion Ratio Lower Upper

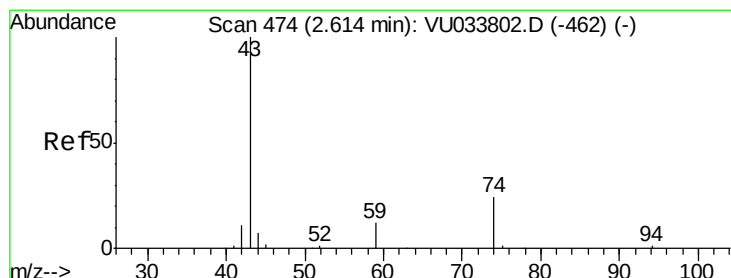
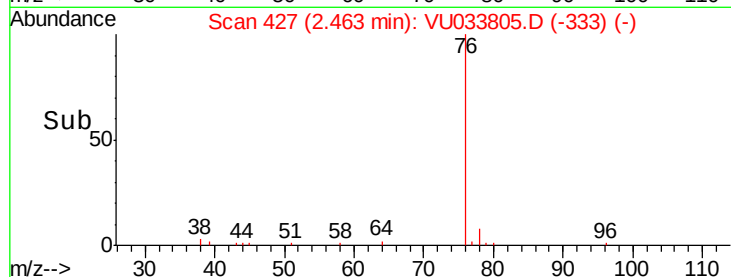
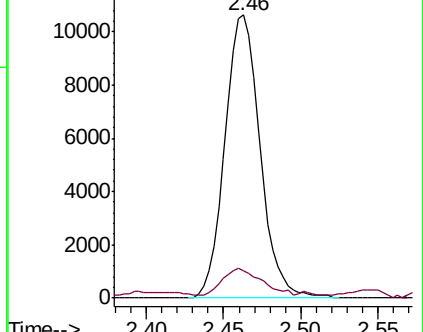
76 100

78 9.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033802.D (-412) (-)

Ion 78.00 (77.70 to 78.70): VU033802.D (-412) (-)



#15

Methyl Acetate

Concen: 0.322 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU033805.D

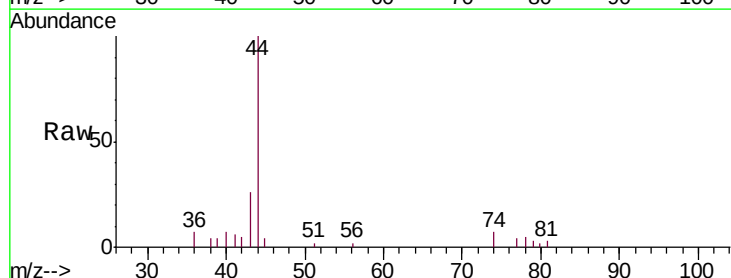
Acq: 15 Aug 2019 12:14

Tgt Ion: 43 Resp: 3327

Ion Ratio Lower Upper

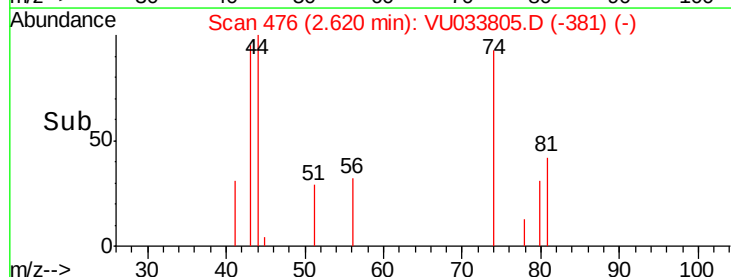
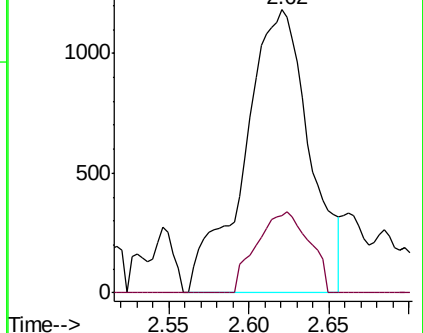
43 100

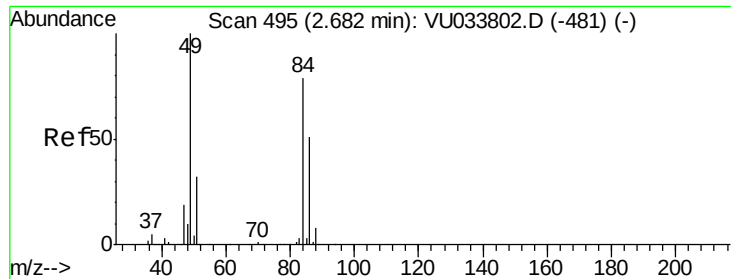
74 23.2 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU033802.D (-462) (-)

Ion 74.00 (73.70 to 74.70): VU033802.D (-462) (-)

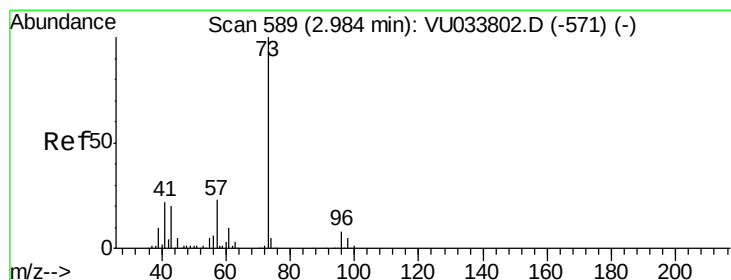
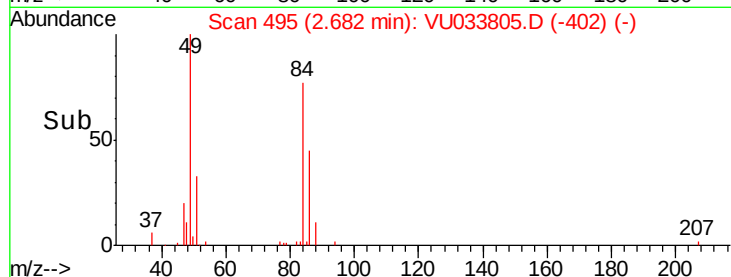
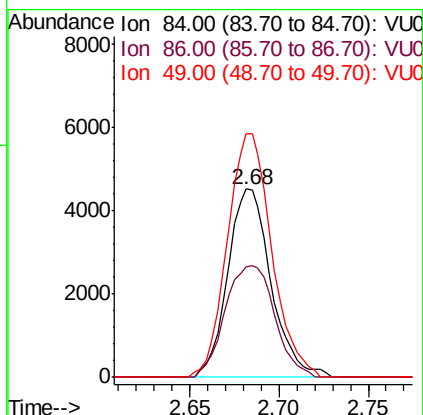
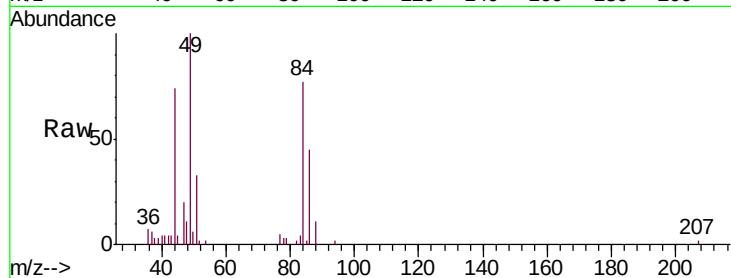




#16
Methylene chloride
Concen: 0.333 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

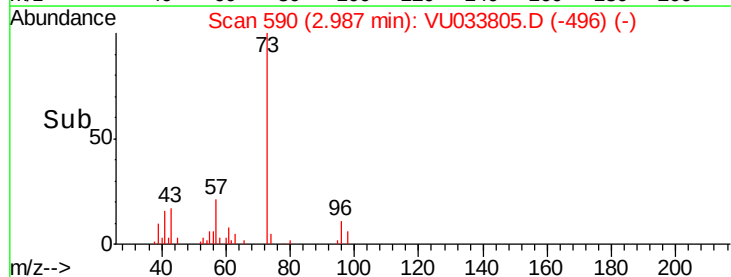
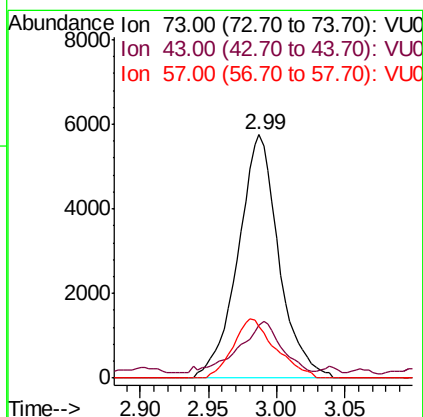
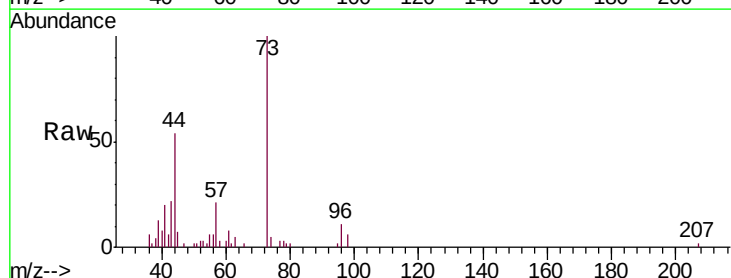
Instrument :
MSVOA_U
ClientSampleId :
MDL04

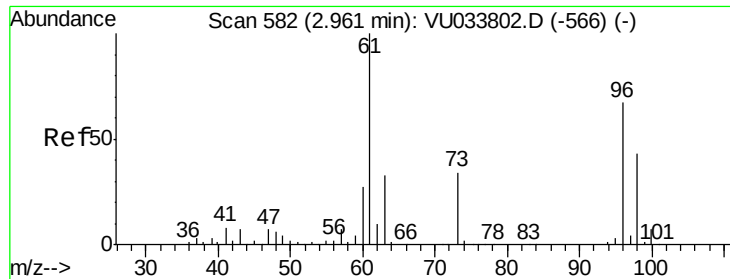
Tgt Ion: 84 Resp: 7638
Ion Ratio Lower Upper
84 100
86 58.4 46.0 85.4
49 129.1 90.4 168.0



#17
Methyl tert-butyl Ether
Concen: 0.234 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Tgt Ion: 73 Resp: 11908
Ion Ratio Lower Upper
73 100
43 24.9 16.2 24.4#
57 25.2 18.9 28.3

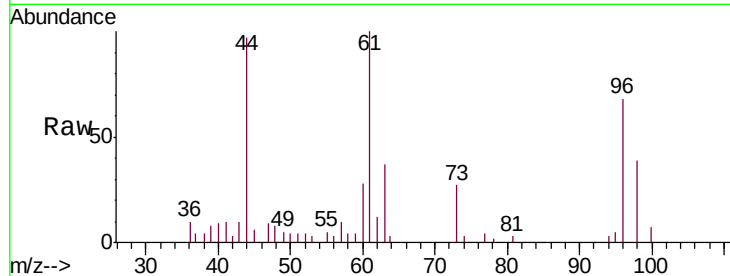




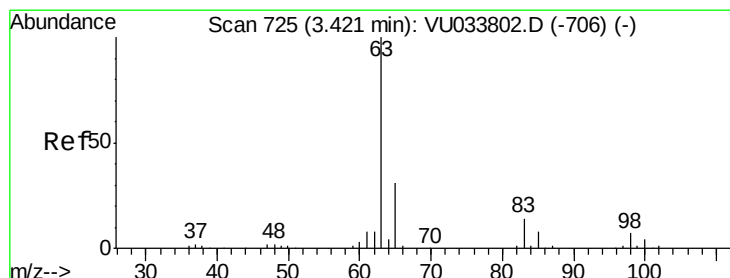
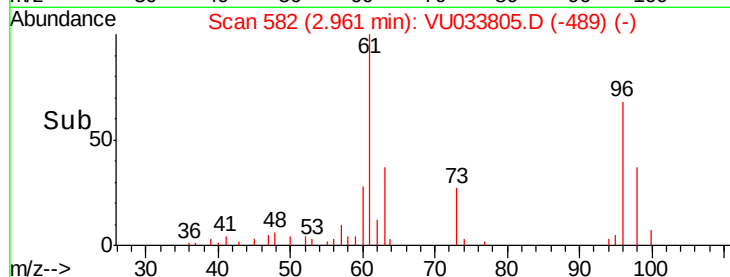
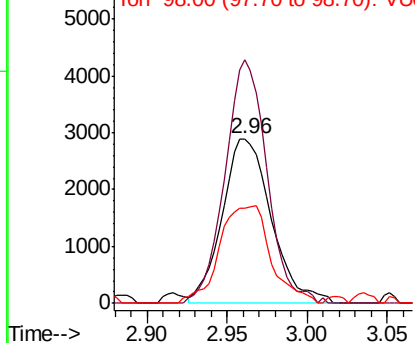
#18
trans-1,2-Dichloroethene
Concen: 0.288 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tgt Ion: 96 Resp: 6083
Ion Ratio Lower Upper
96 100
61 147.9 107.2 199.0
98 58.0 43.0 79.8

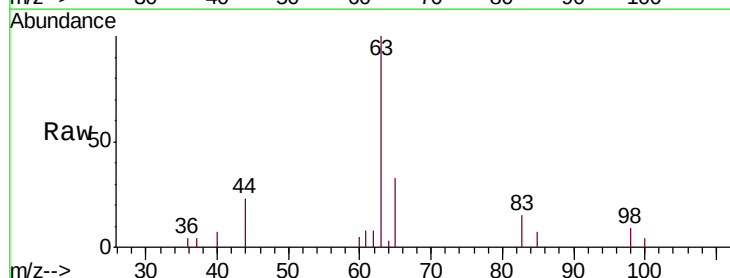


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

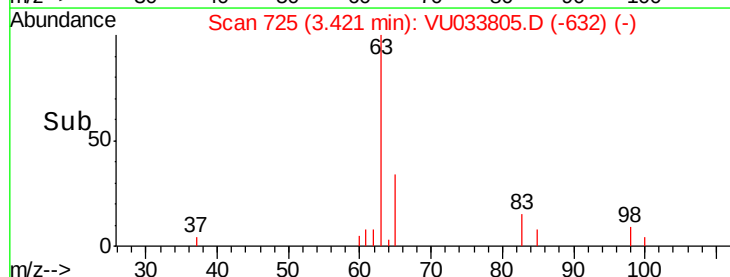
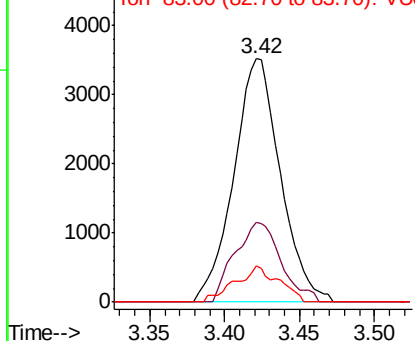


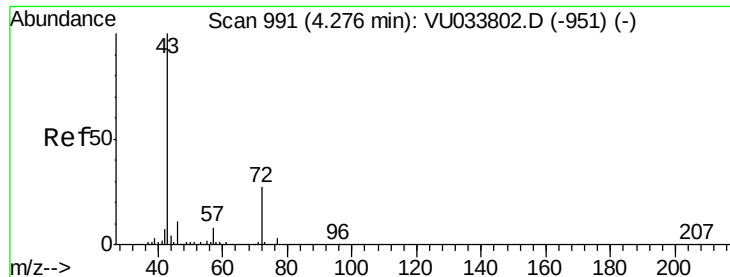
#19
1,1-Dichloroethane
Concen: 0.231 ug/L
RT: 3.42 min Scan# 725
Delta R.T. -0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Tgt Ion: 63 Resp: 7631
Ion Ratio Lower Upper
63 100
65 32.7 22.4 41.6
83 14.6 9.7 17.9



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





#21

2-Butanone

Concen: 0.883 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampled :

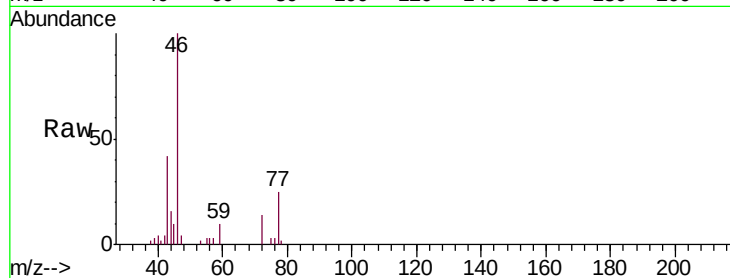
MDL04

Tgt Ion: 43 Resp: 4347

Ion Ratio Lower Upper

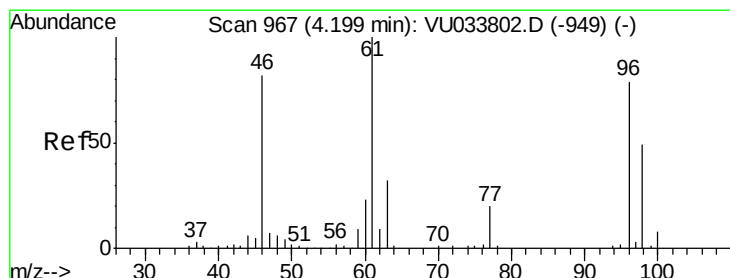
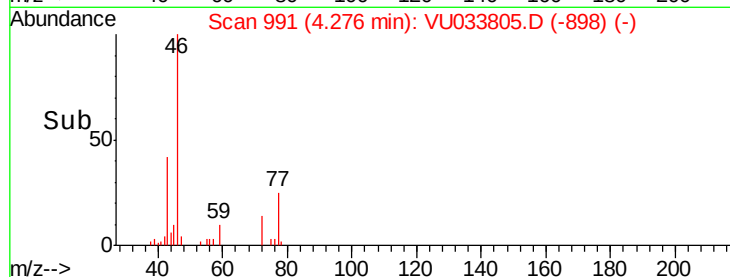
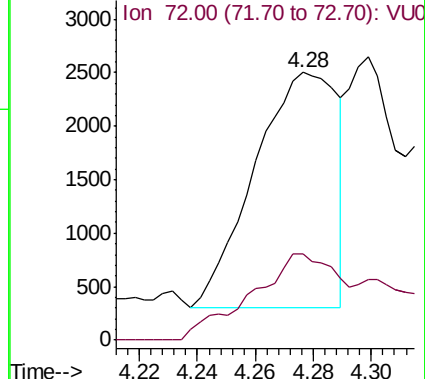
43 100

72 38.6 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU033802.D (-951) (-)

Ion 72.00 (71.70 to 72.70): VU033802.D (-951) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.247 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

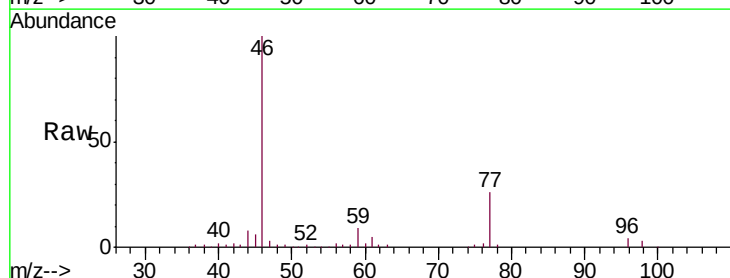
Tgt Ion: 96 Resp: 4440

Ion Ratio Lower Upper

96 100

61 118.9 91.7 170.3

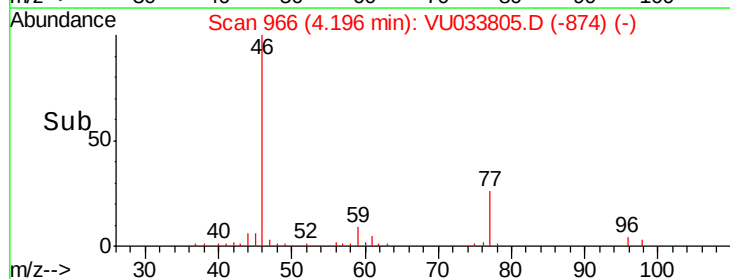
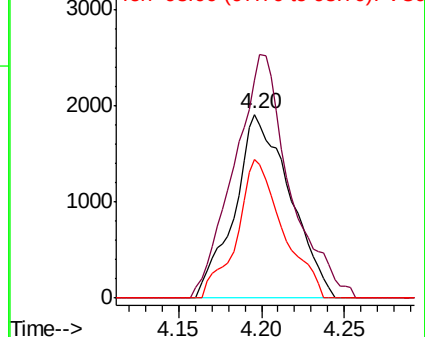
98 75.7 45.1 83.9

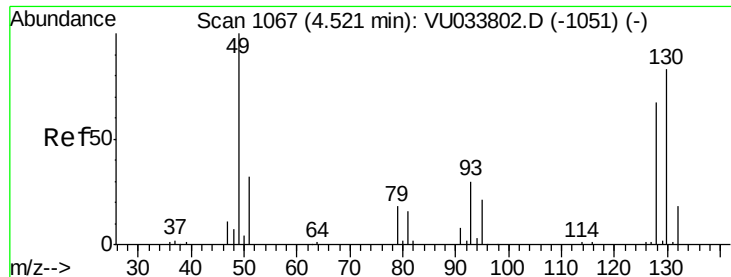


Abundance Ion 96.00 (95.70 to 96.70): VU033802.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033802.D (-949) (-)

Ion 98.00 (97.70 to 98.70): VU033802.D (-949) (-)

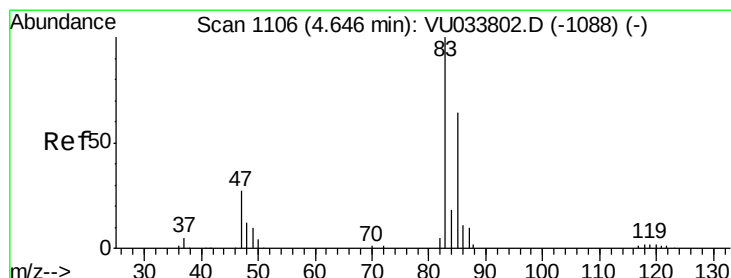
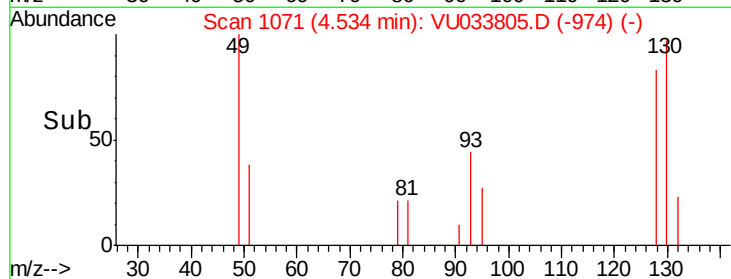
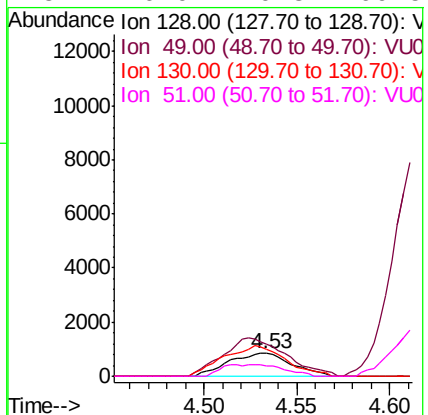
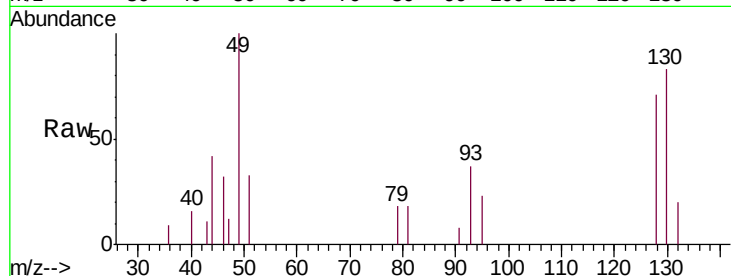




#23
 Bromochloromethane
 Concen: 0.233 ug/L
 RT: 4.53 min Scan# 1071
 Delta R.T. 0.01 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

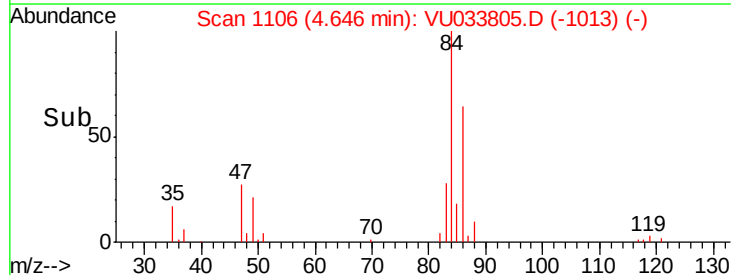
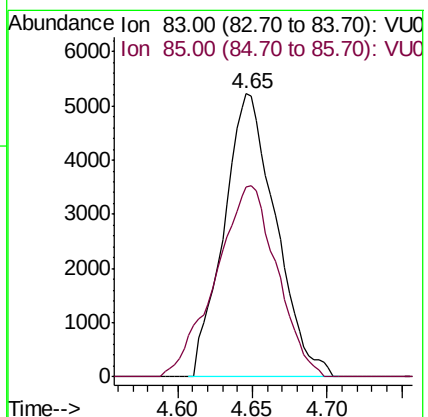
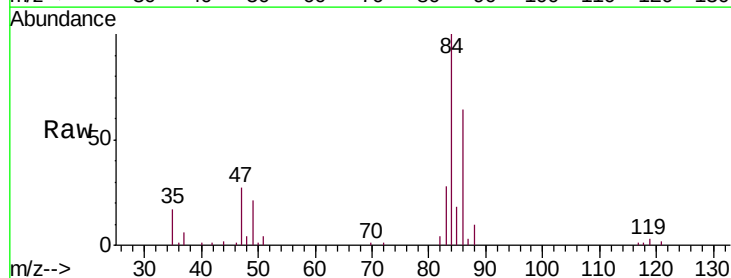
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

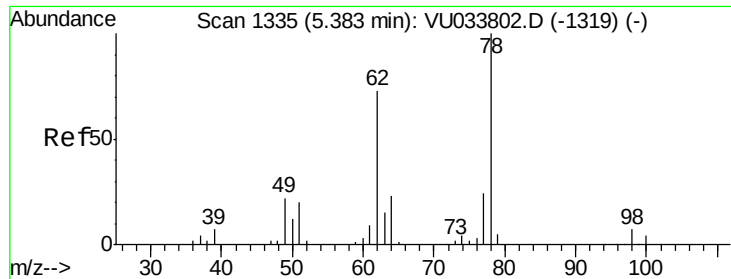
Tgt Ion:	128	Resp:	2010
Ion	Ratio	Lower	Upper
128	100		
49	140.8	106.8	198.4
130	116.9	88.3	164.1
51	46.0	40.3	60.5



#25
 Chloroform
 Concen: 0.355 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

Tgt Ion:	83	Resp:	12603
Ion	Ratio	Lower	Upper
83	100		
85	67.1	44.2	82.0

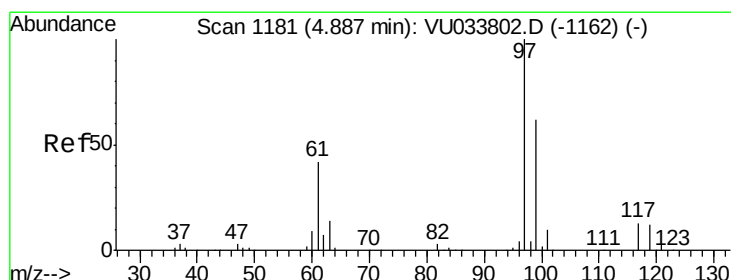
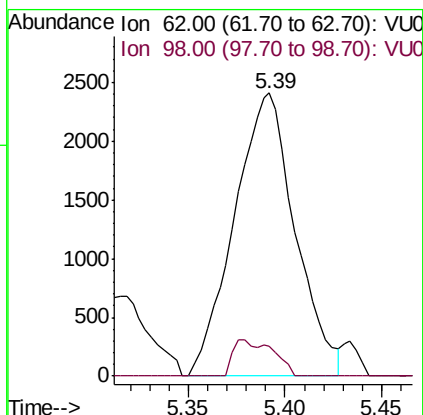
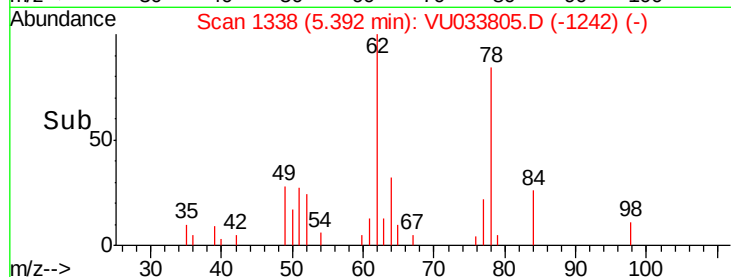
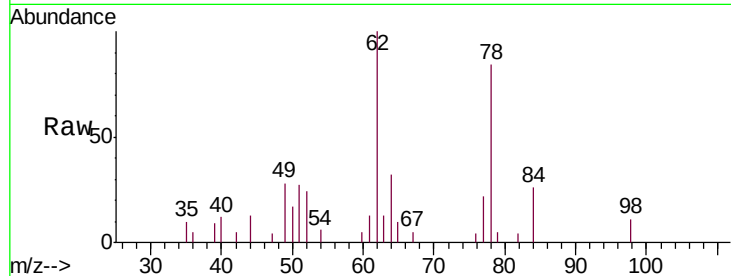




#27
 1,2-Dichloroethane
 Concen: 0.241 ug/L
 RT: 5.39 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

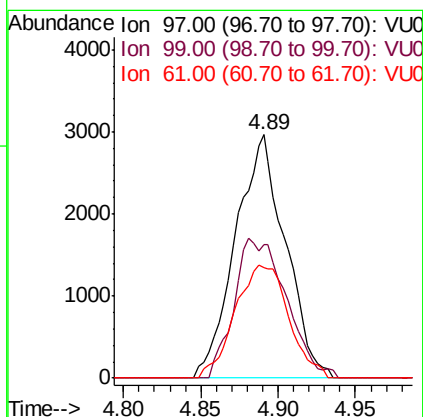
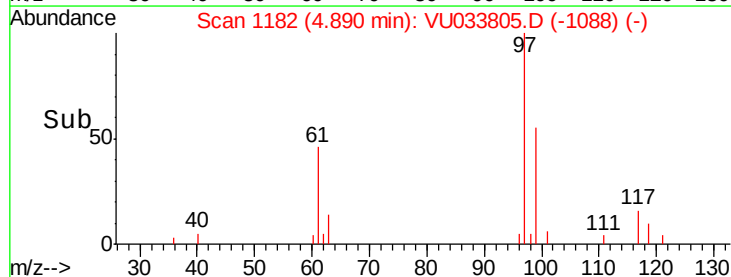
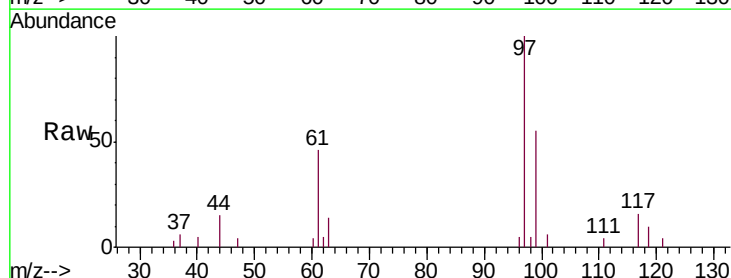
Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

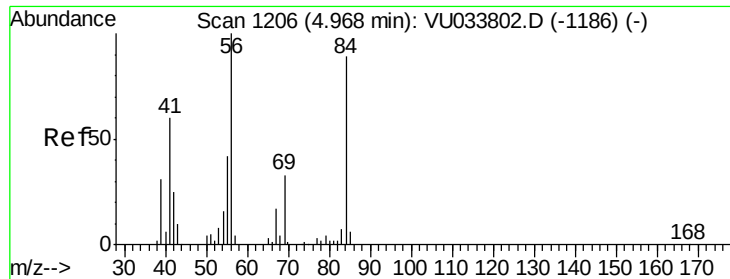
Tgt Ion: 62 Resp: 5273
 Ion Ratio Lower Upper
 62 100
 98 10.6 7.4 11.0



#29
 1,1,1-Trichloroethane
 Concen: 0.233 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

Tgt Ion: 97 Resp: 6653
 Ion Ratio Lower Upper
 97 100
 99 59.9 50.8 76.2
 61 49.7 37.4 56.0

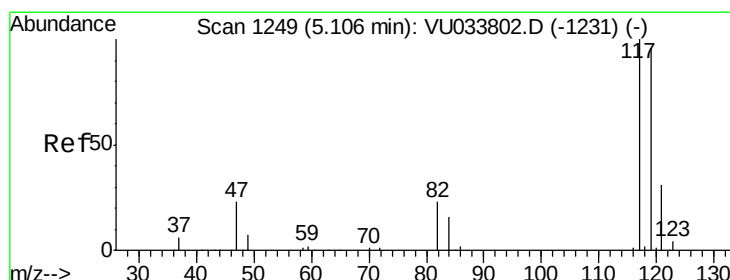
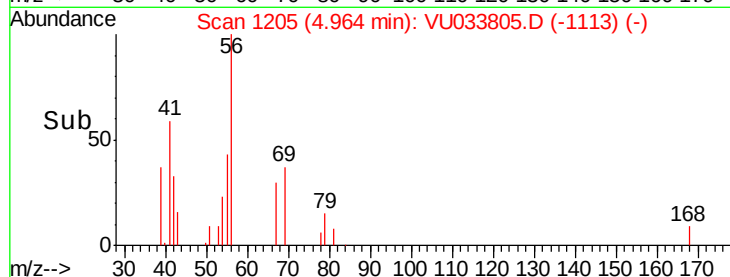
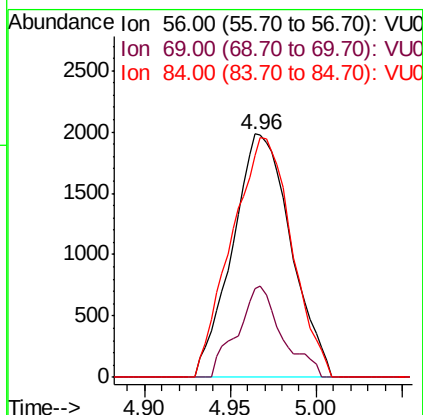
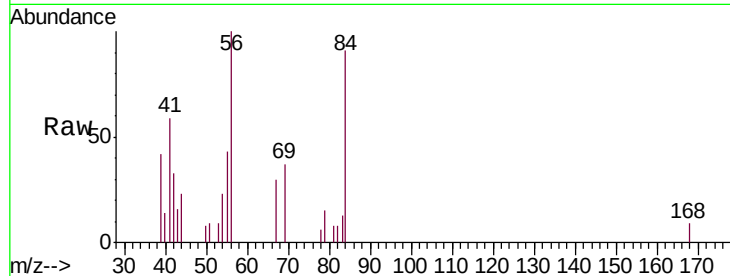




#30
Cyclohexane
Concen: 0.181 ug/L
RT: 4.96 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

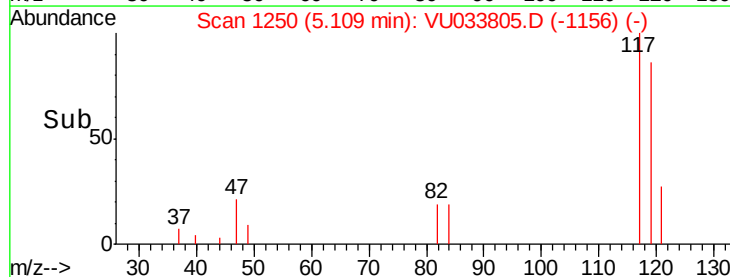
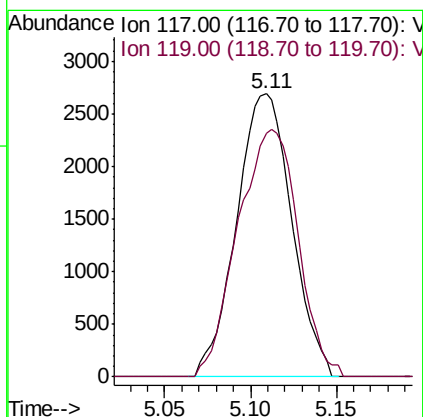
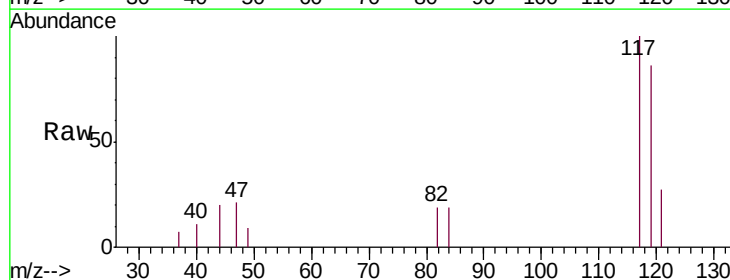
Instrument :
MSVOA_U
ClientSampleId :
MDL04

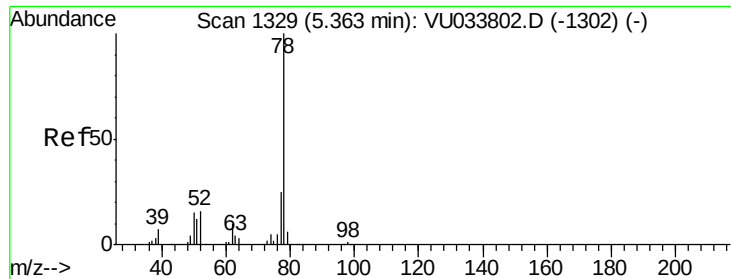
Tgt Ion: 56 Resp: 4685
Ion Ratio Lower Upper
56 100
69 28.4 25.2 37.8
84 101.2 69.8 104.6



#31
Carbon tetrachloride
Concen: 0.237 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Tgt Ion: 117 Resp: 6004
Ion Ratio Lower Upper
117 100
119 94.9 78.5 117.7





#33

Benzene

Concen: 0.229 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

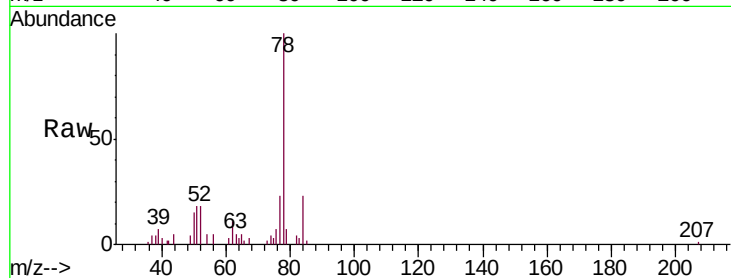
Instrument :

MSVOA_U

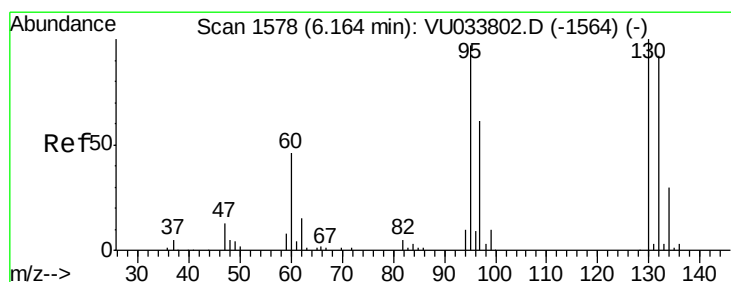
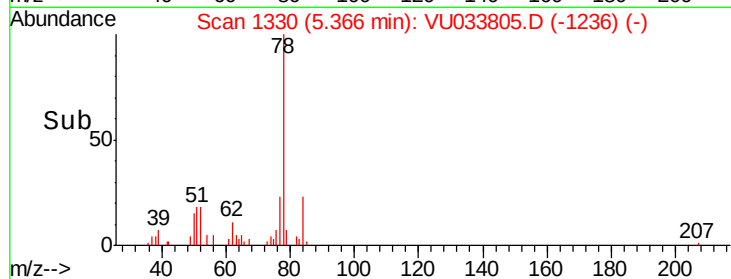
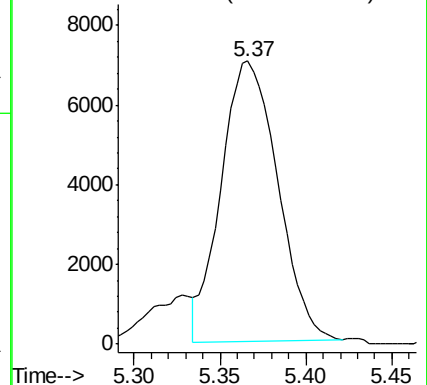
ClientSampleId :

MDL04

Tgt Ion: 78 Resp: 16079



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 0.239 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Tgt Ion: 95 Resp: 4398

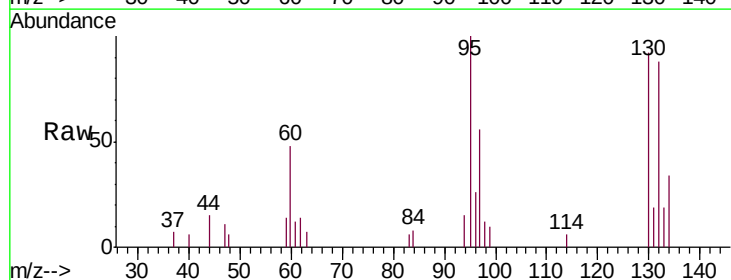
Ion	Ratio	Lower	Upper
95	100		
97	56.2	45.4	84.4
132	88.1	68.9	127.9
130	91.6	70.5	130.9

95 100

97 56.2 45.4 84.4

132 88.1 68.9 127.9

130 91.6 70.5 130.9

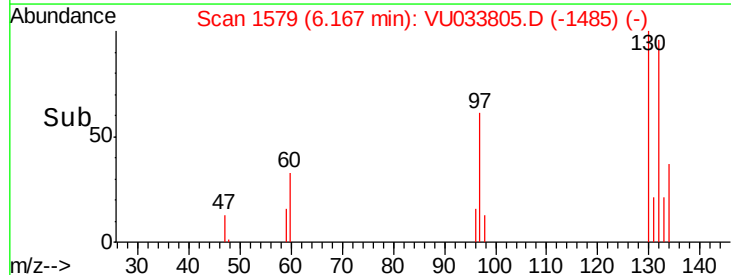
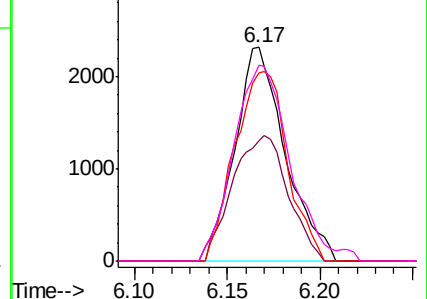


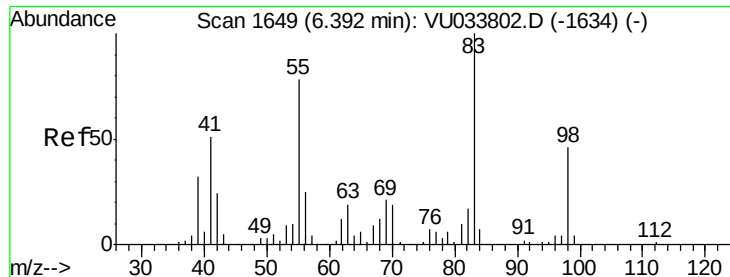
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

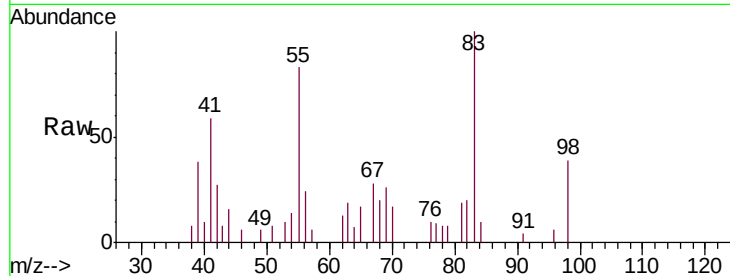




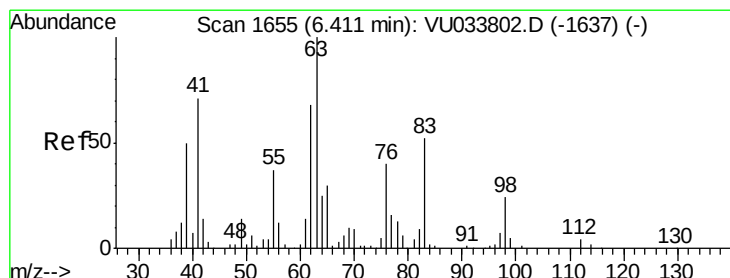
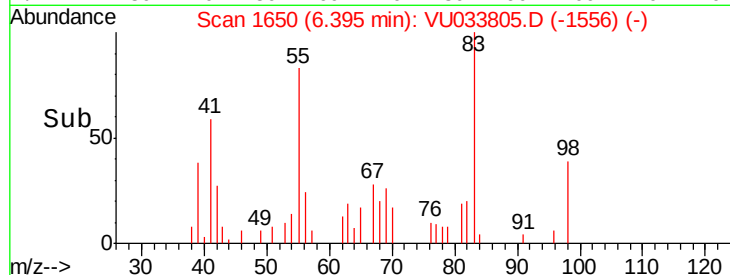
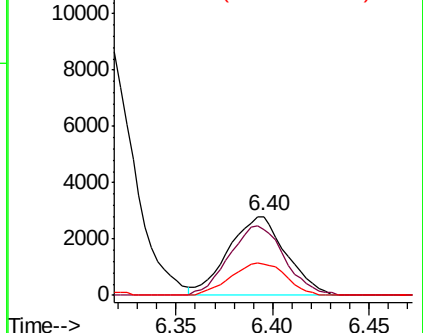
#35
Methylcyclohexane
Concen: 0.211 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 83 Resp: 5814
Ion Ratio Lower Upper
83 100
55 84.2 65.0 97.6
98 39.1 36.2 54.4

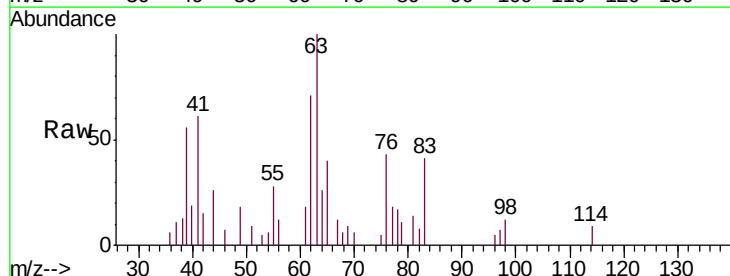


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

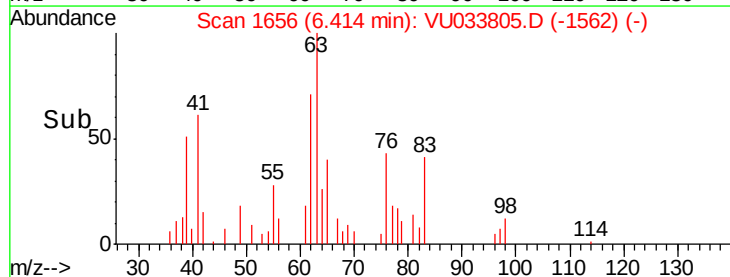
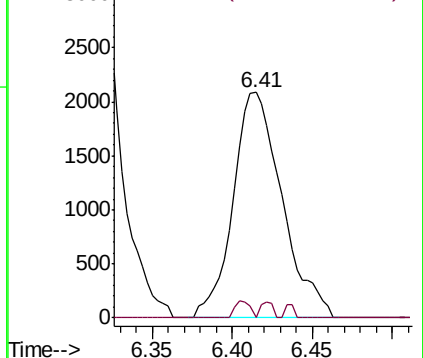


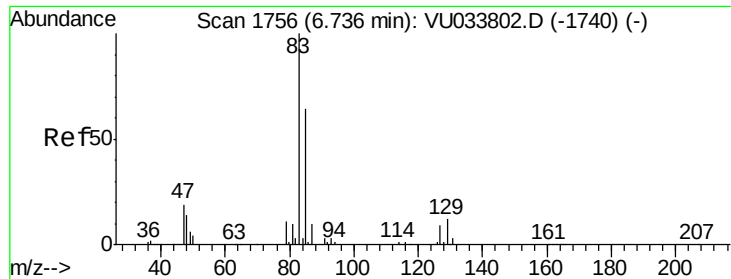
#37
1,2-Dichloropropane
Concen: 0.230 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Tgt Ion: 63 Resp: 4359
Ion Ratio Lower Upper
63 100
112 1.8 3.3 4.9#



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





#38

Bromodichloromethane

Concen: 0.253 ug/L

RT: 6.74 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

MDL04

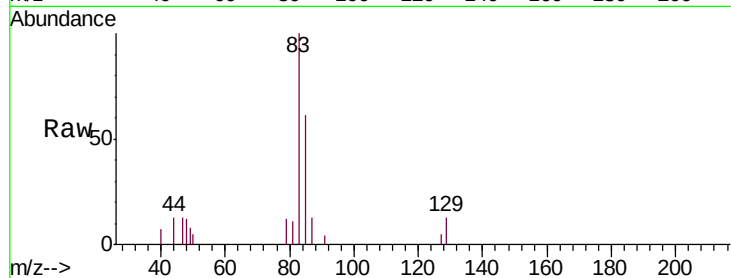
Tgt Ion: 83 Resp: 6055

Ion Ratio Lower Upper

83 100

85 61.4 45.0 83.6

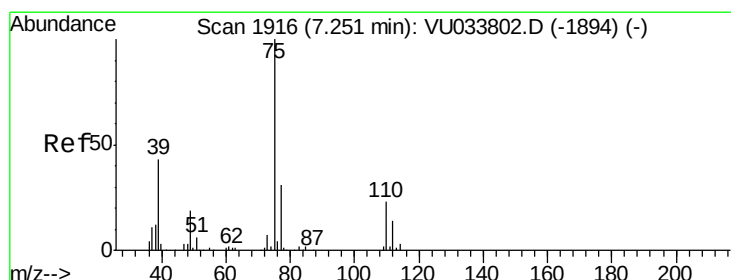
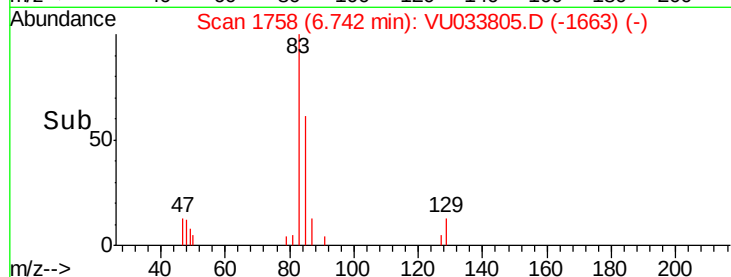
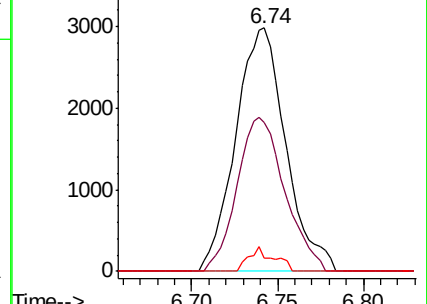
127 5.3 7.8 11.6#



Abundance Ion 83.00 (82.70 to 83.70): VU033802.D (-1740) (-)

Ion 85.00 (84.70 to 85.70): VU033805.D (-1663) (-)

Ion 127.00 (126.70 to 127.70): VU033805.D (-1663) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.230 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VU033805.D

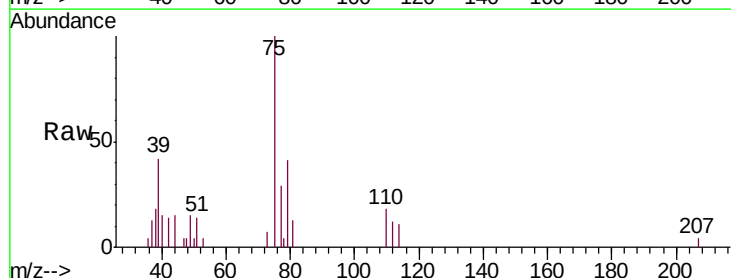
Acq: 15 Aug 2019 12:14

Tgt Ion: 75 Resp: 5876

Ion Ratio Lower Upper

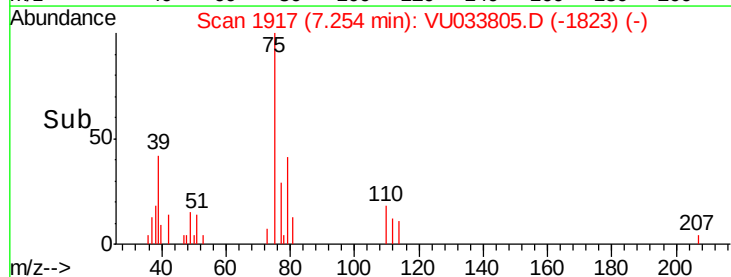
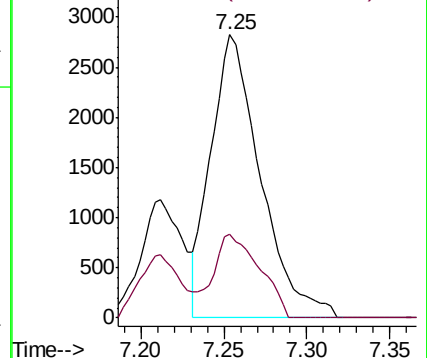
75 100

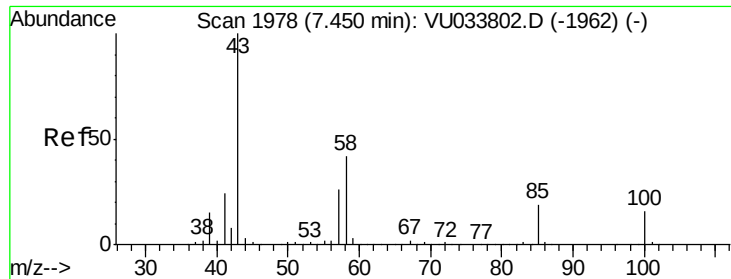
77 29.5 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VU033802.D (-1894) (-)

Ion 77.00 (76.70 to 77.70): VU033805.D (-1823) (-)

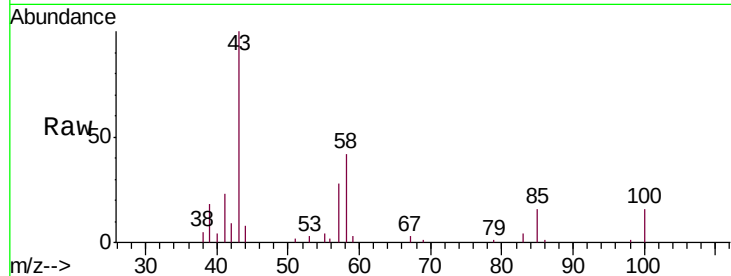




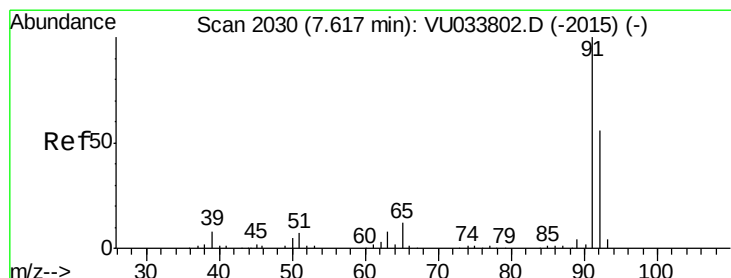
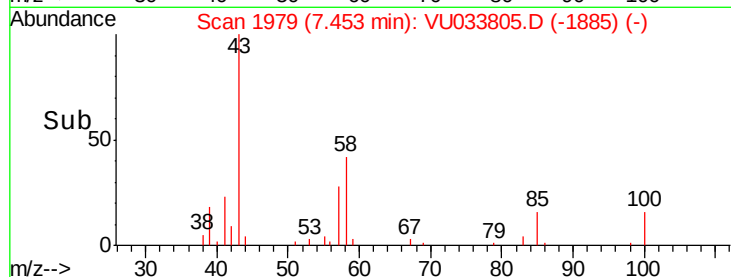
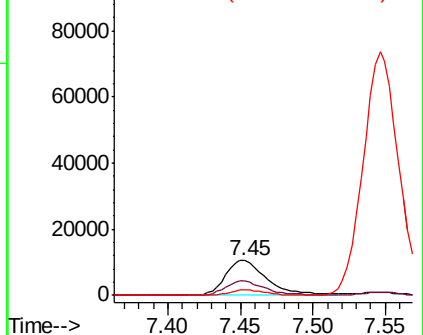
#40
4-Methyl-2-pentanone
Concen: 1.931 ug/L
RT: 7.45 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 43 Resp: 21142
Ion Ratio Lower Upper
43 100
58 39.7 32.2 48.4
100 0.0 11.9 17.9#

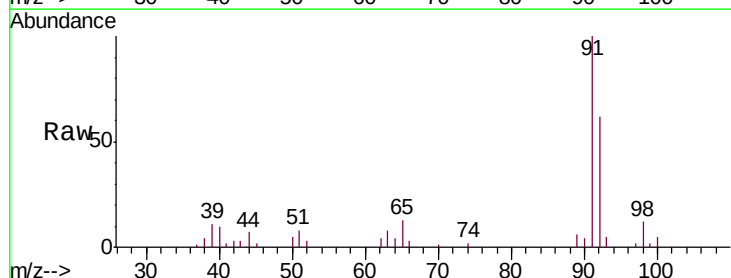


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

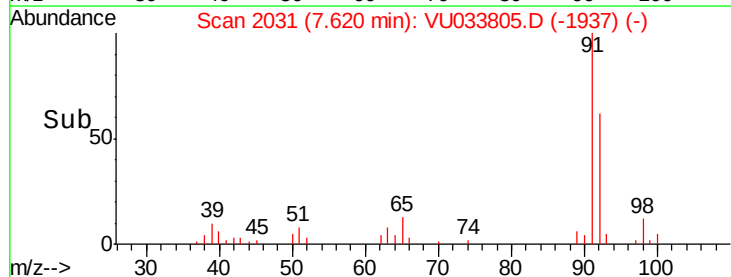
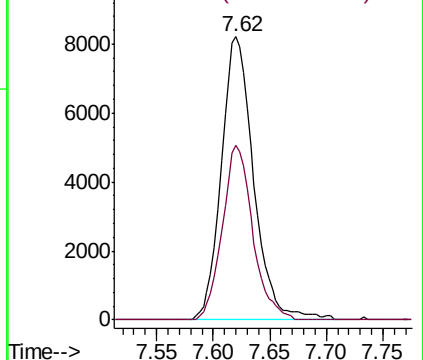


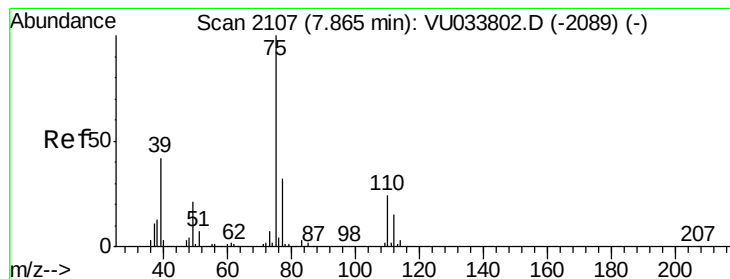
#42
Toluene
Concen: 0.222 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Tgt Ion: 91 Resp: 16365
Ion Ratio Lower Upper
91 100
92 61.6 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.219 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.01 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

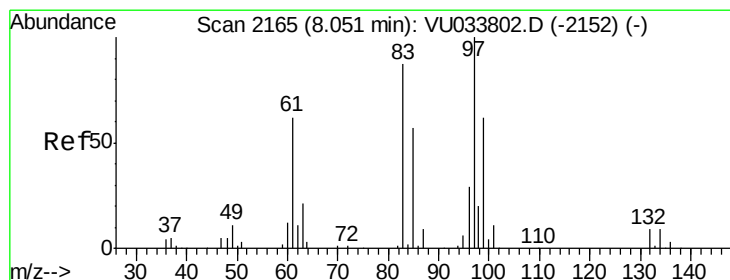
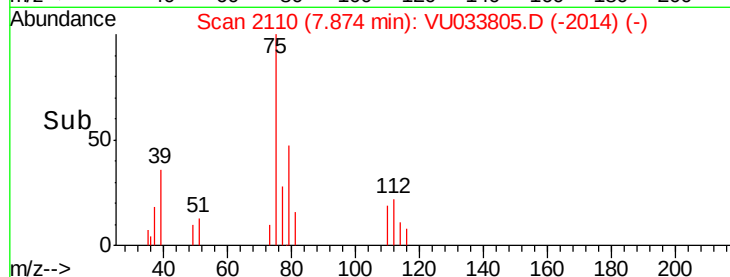
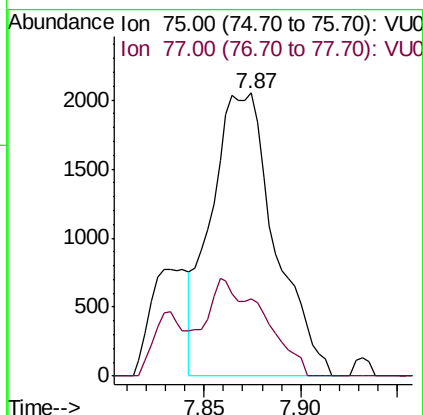
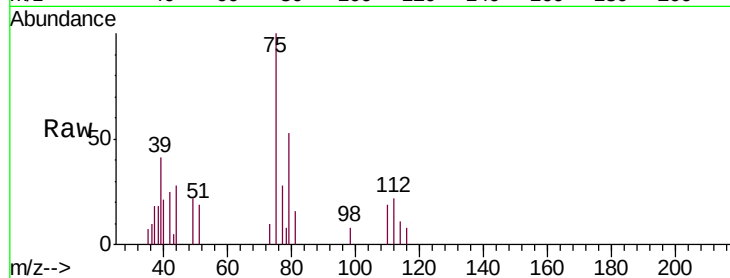
MDL04

Tgt Ion: 75 Resp: 4686

Ion Ratio Lower Upper

75 100

77 27.5 22.3 41.3



#45

1,1,2-Trichloroethane

Concen: 0.242 ug/L

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Tgt Ion: 97 Resp: 3271

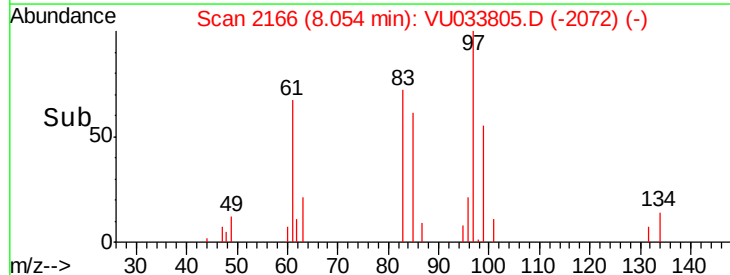
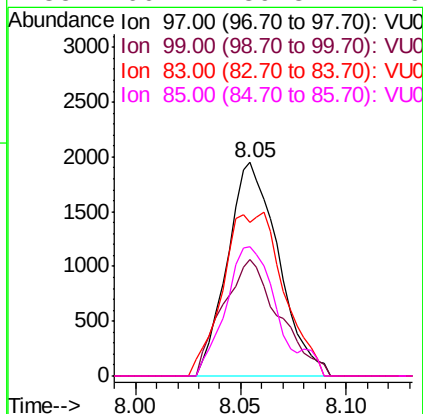
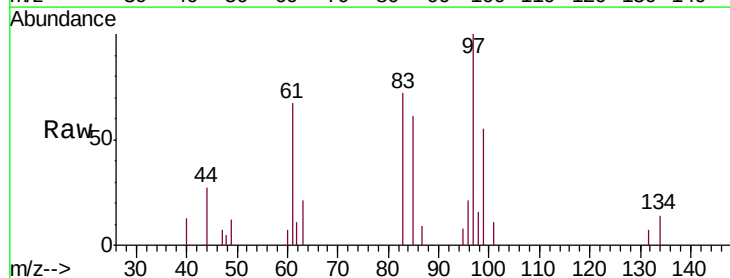
Ion Ratio Lower Upper

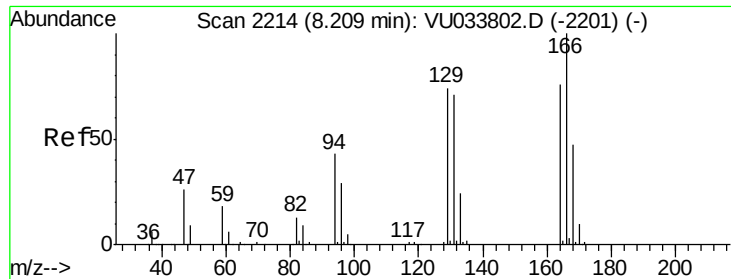
97 100

99 54.8 42.6 79.0

83 72.1 59.8 111.1

85 60.7 39.3 72.9

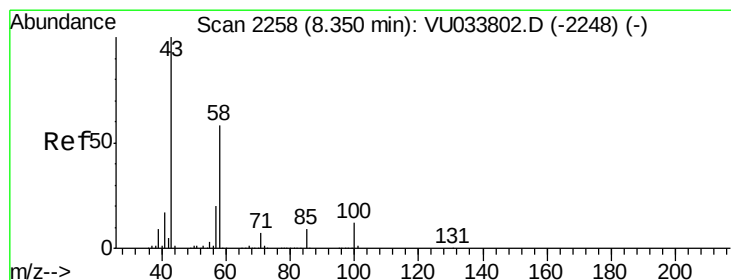
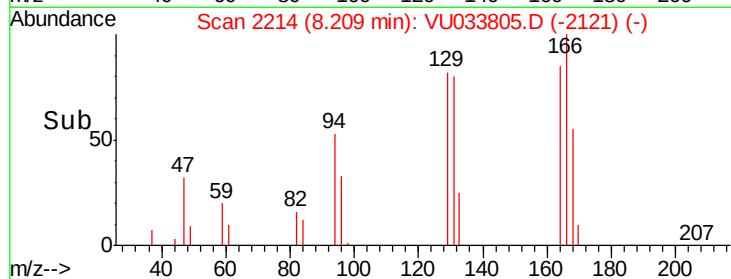
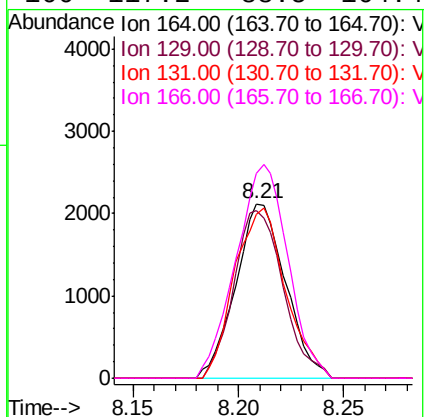
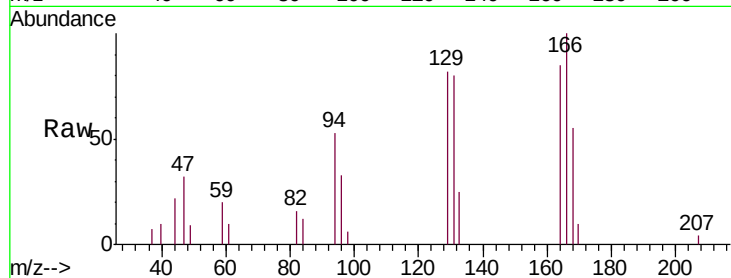




#47
Tetrachloroethene
 Concen: 0.227 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

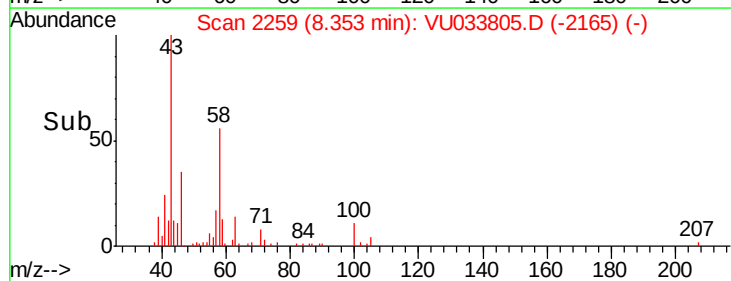
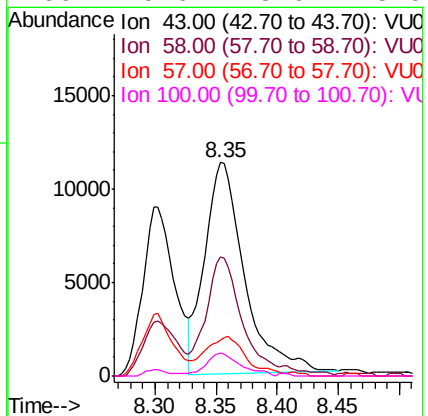
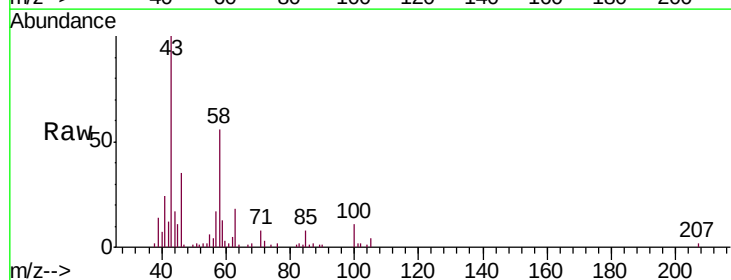
Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

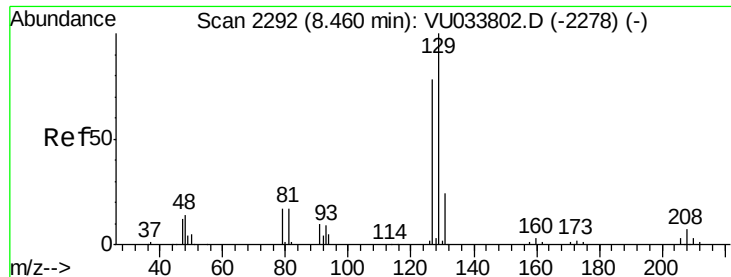
Tgt Ion:	164	Resp:	3474
Ion	Ratio	Lower	Upper
164	100		
129	96.0	66.1	122.7
131	93.5	65.2	121.2
166	117.2	88.5	164.4



#48
2-Hexanone
 Concen: 3.230 ug/L
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

Tgt Ion:	43	Resp:	25571
Ion	Ratio	Lower	Upper
43	100		
58	49.8	45.2	67.8
57	19.0	15.7	23.5
100	9.6	8.6	13.0





#49

Dibromochloromethane

Concen: 0.226 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

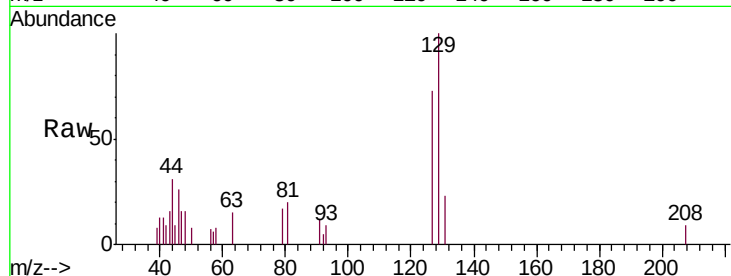
MDL04

Tgt Ion:129 Resp: 3710

Ion Ratio Lower Upper

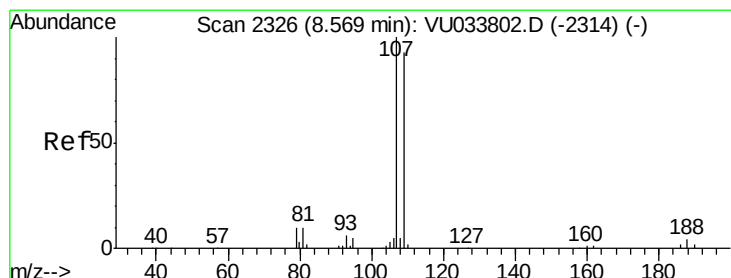
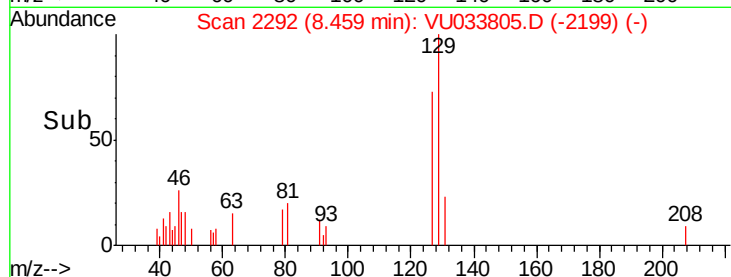
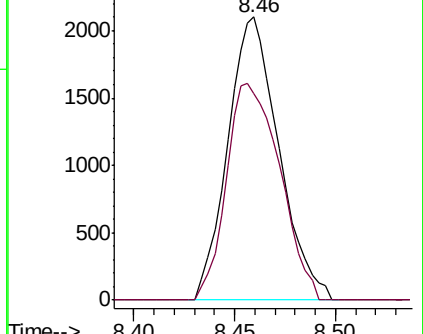
129 100

127 72.9 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 0.207 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

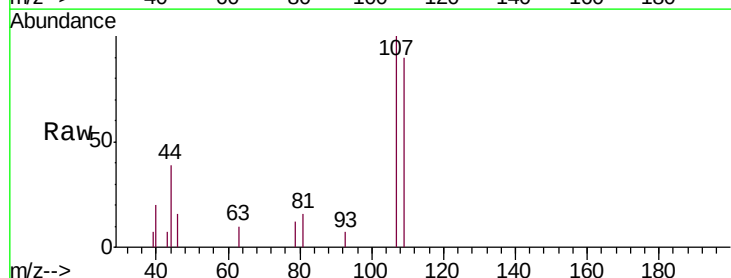
Tgt Ion:107 Resp: 2713

Ion Ratio Lower Upper

107 100

109 90.3 68.3 126.8

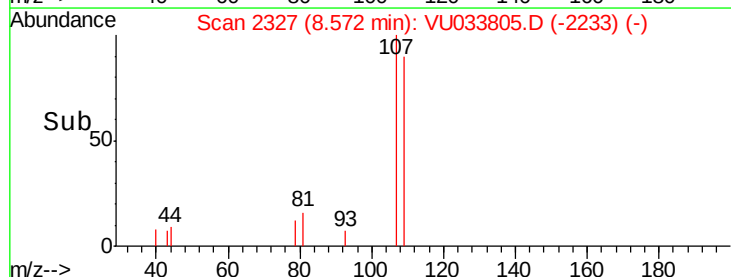
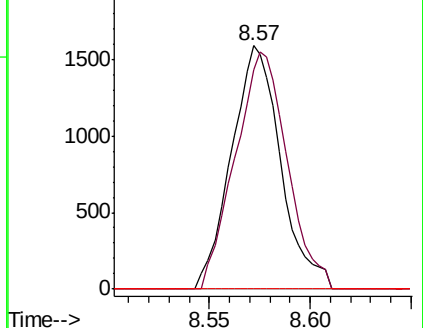
188 0.0 3.0 4.6#

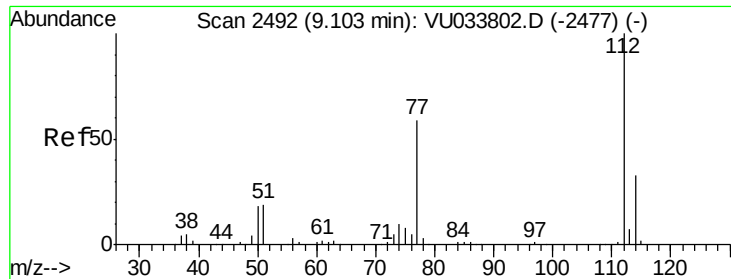


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

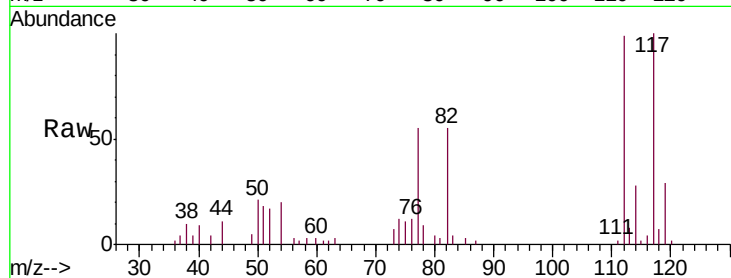




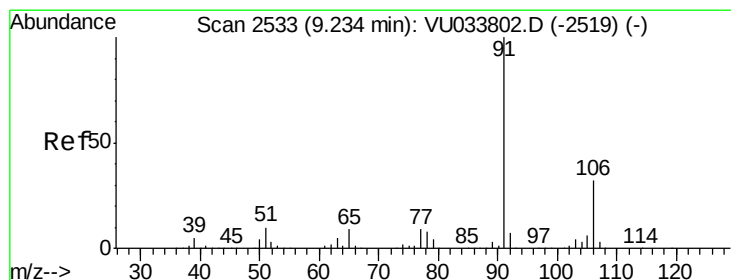
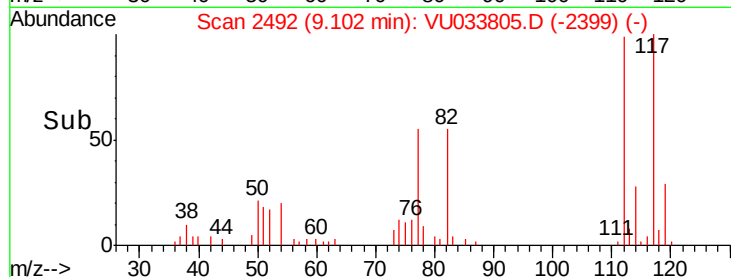
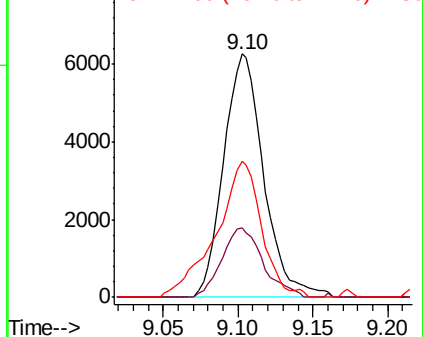
#51
Chlorobenzene
Concen: 0.246 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 112 Resp: 11663
Ion Ratio Lower Upper
112 100
114 28.4 22.5 41.7
77 56.2 45.3 67.9

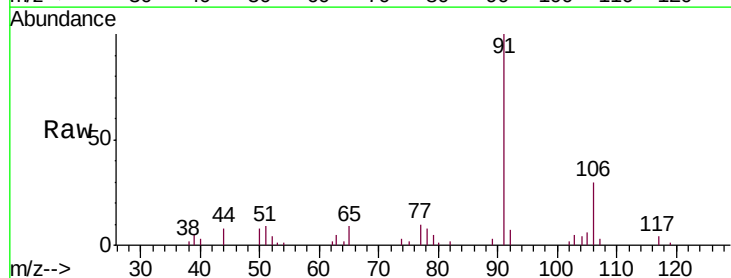


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

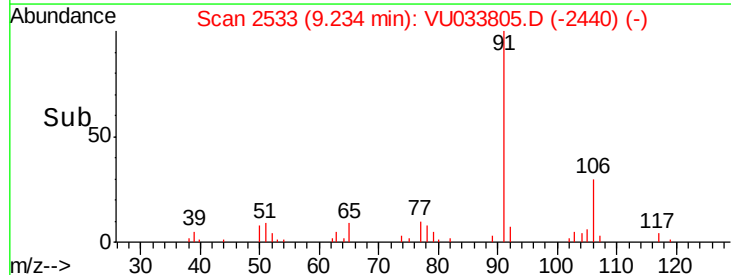
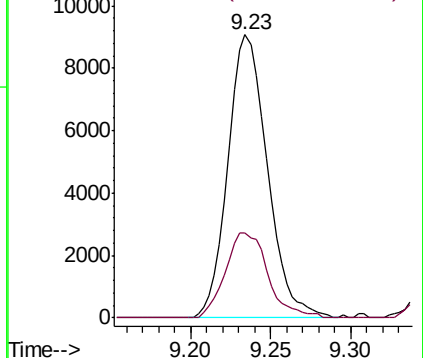


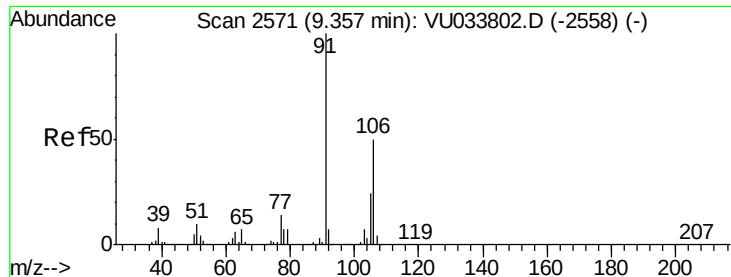
#52
Ethylbenzene
Concen: 0.200 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Tgt Ion: 91 Resp: 15242
Ion Ratio Lower Upper
91 100
106 29.9 21.6 40.0



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





#53

m,p-Xylene

Concen: 0.193 ug/L

RT: 9.36 min Scan# 2573

Delta R.T. 0.01 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

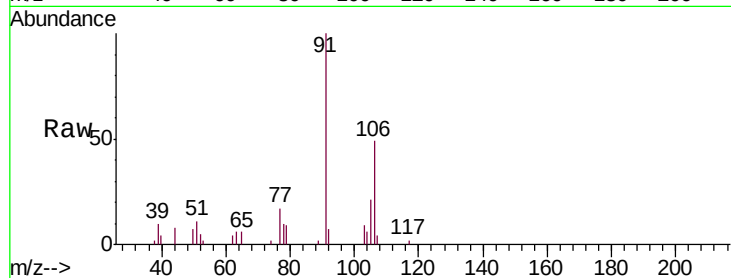
MDL04

Tgt Ion:106 Resp: 5560

Ion Ratio Lower Upper

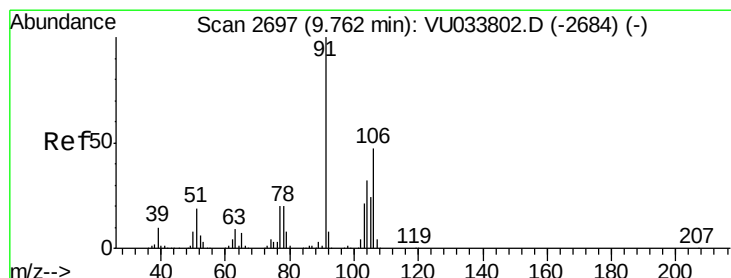
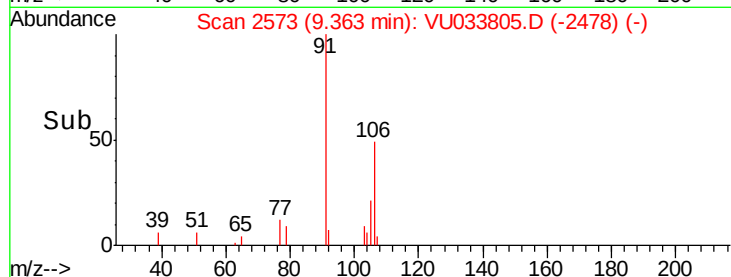
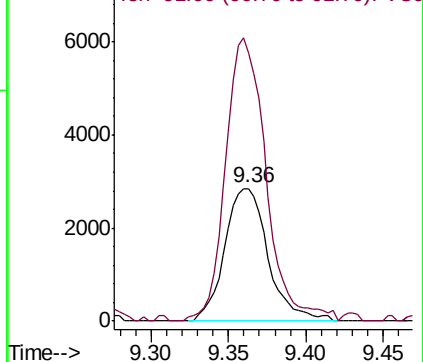
106 100

91 202.0 142.7 265.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-Xylene

Concen: 0.191 ug/L

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033805.D

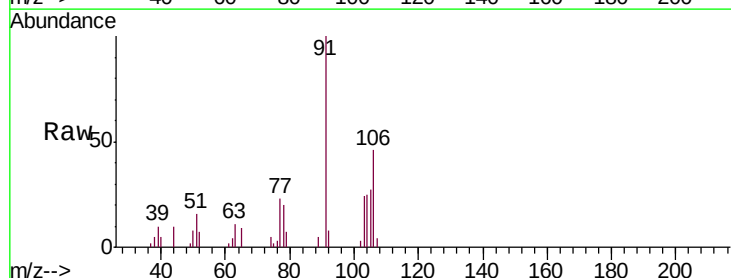
Acq: 15 Aug 2019 12:14

Tgt Ion:106 Resp: 5202

Ion Ratio Lower Upper

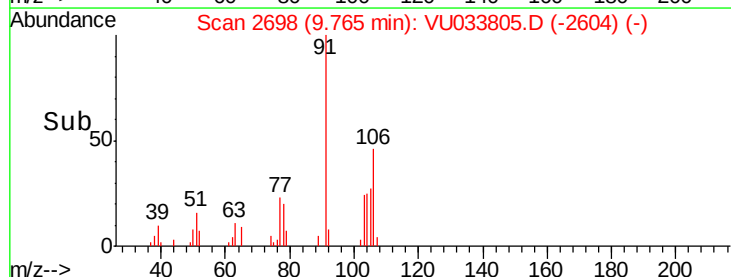
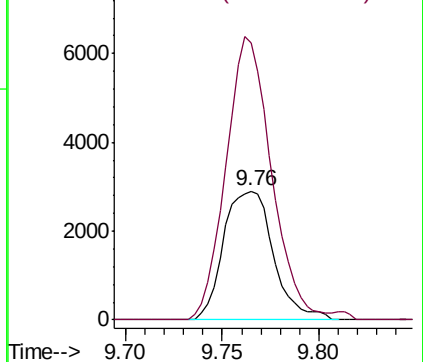
106 100

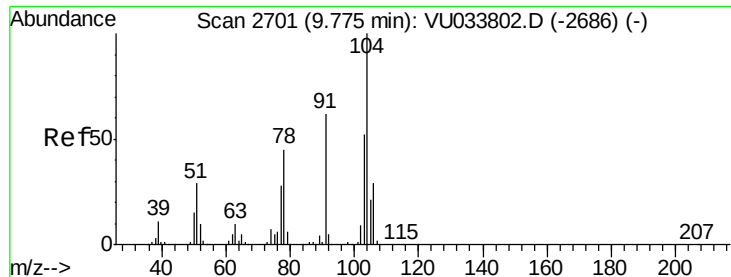
91 215.6 149.5 277.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 0.157 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

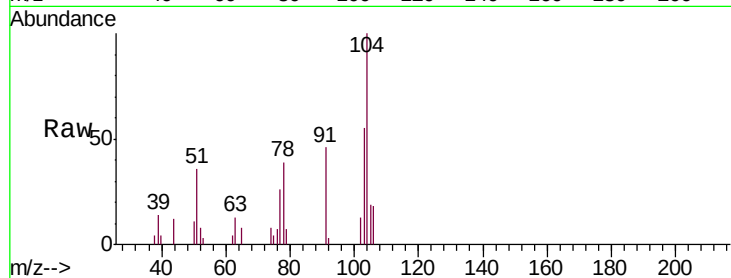
MDL04

Tgt Ion:104 Resp: 7432

Ion Ratio Lower Upper

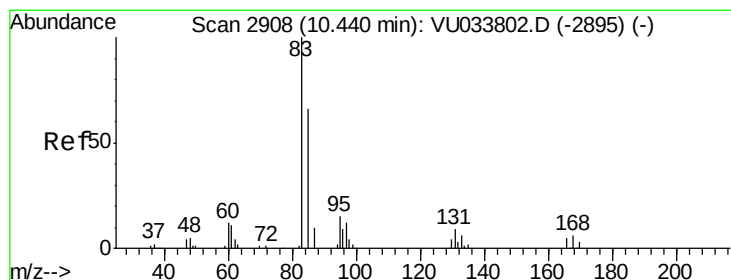
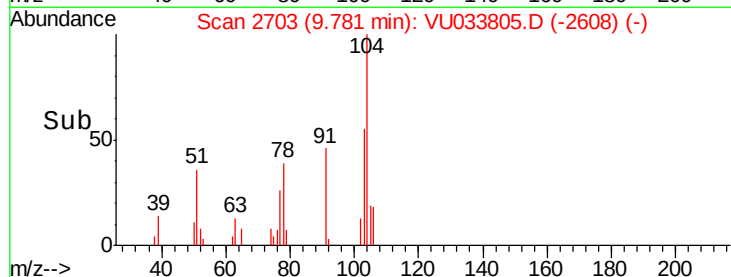
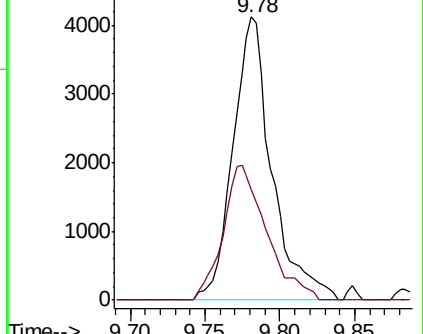
104 100

78 39.0 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#57

1,1,2,2-Tetrachloroethane

Concen: 0.229 ug/L

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

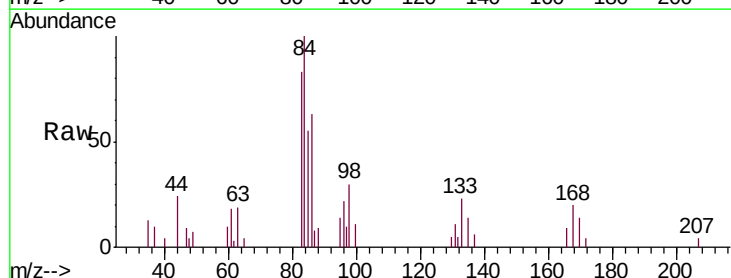
Tgt Ion: 83 Resp: 4063

Ion Ratio Lower Upper

83 100

85 66.8 44.4 82.4

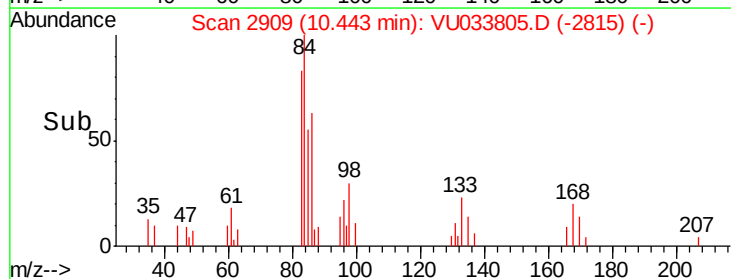
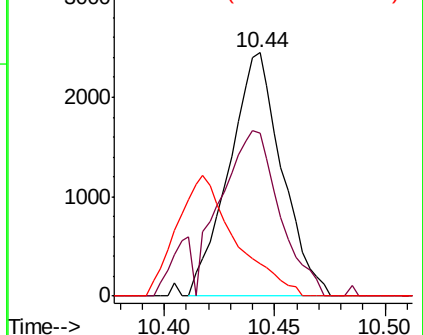
131 13.6 7.6 11.4#

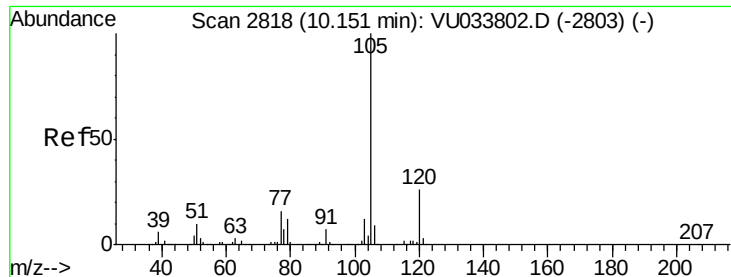


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

Isopropylbenzene

Concen: 0.207 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

MDL04

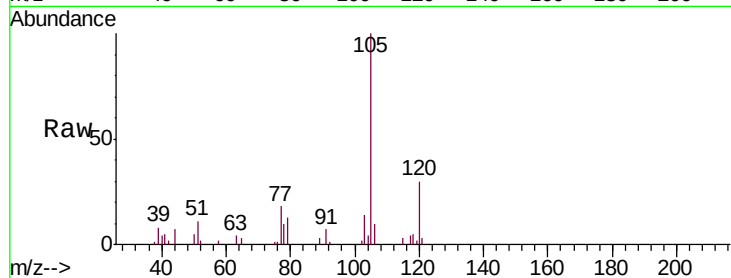
Tgt Ion:105 Resp: 12683

Ion Ratio Lower Upper

105 100

120 25.6 21.5 32.3

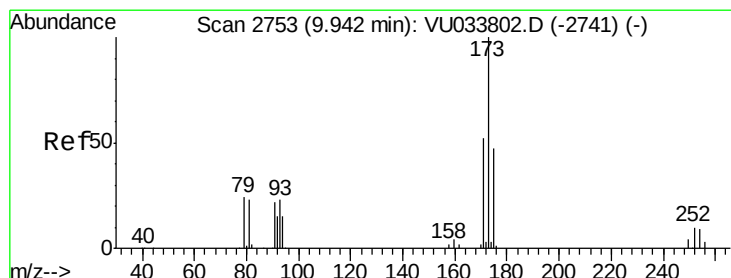
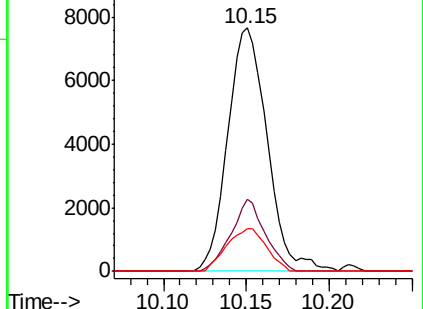
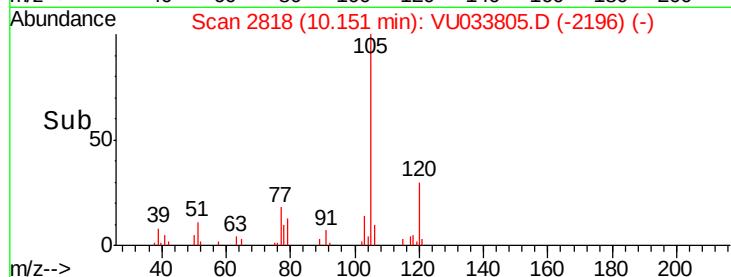
77 17.6 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#60

Bromoform

Concen: 0.244 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

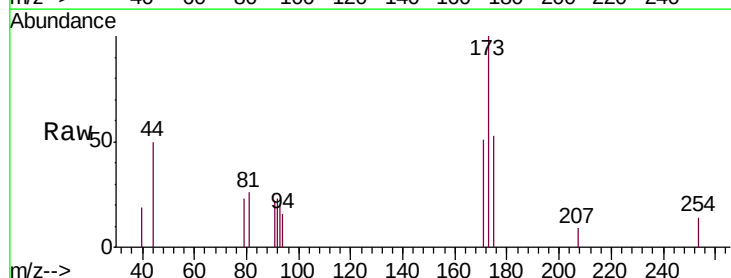
Tgt Ion:173 Resp: 2009

Ion Ratio Lower Upper

173 100

175 44.5 36.6 55.0

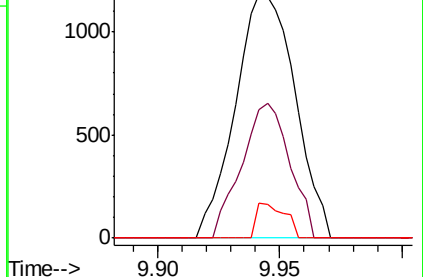
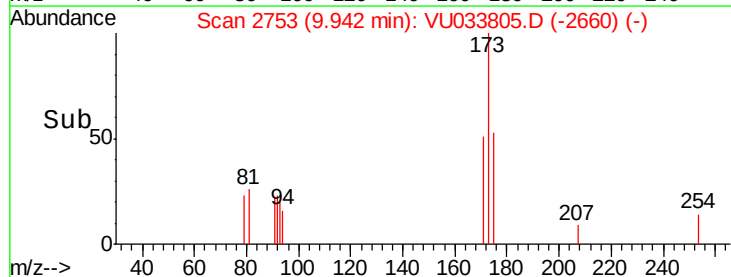
254 6.7 7.0 10.4#

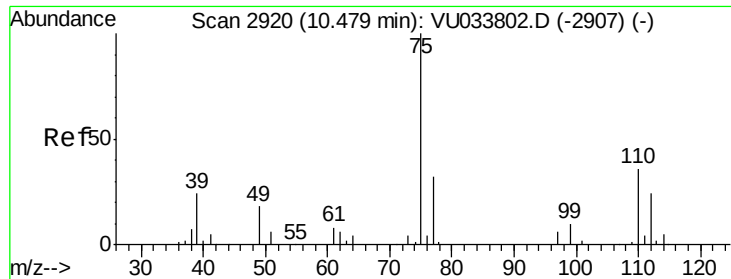


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

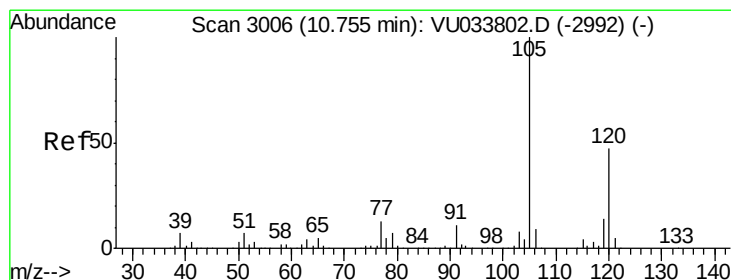
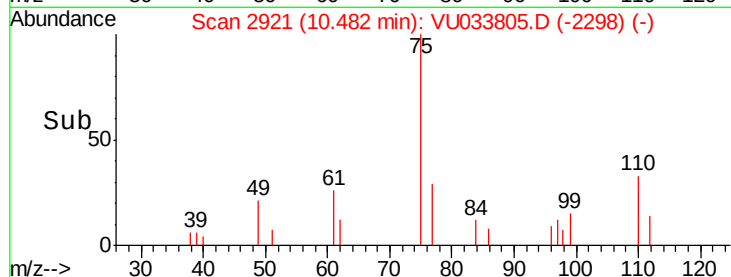
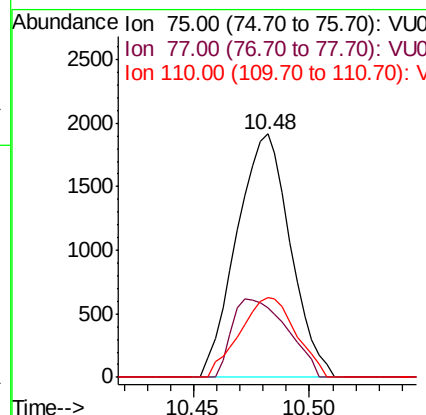
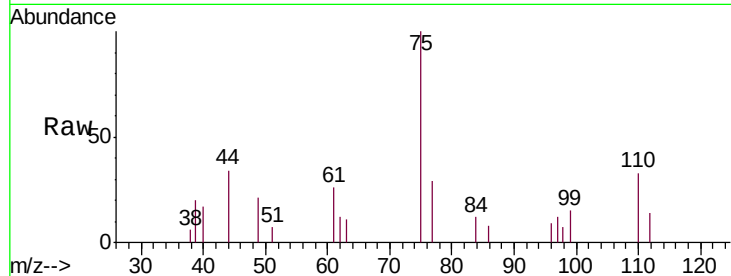




#61
 1,2,3-Trichloropropane
 Concen: 0.288 ug/L
 RT: 10.48 min Scan# 2921
 Delta R.T. 0.00 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

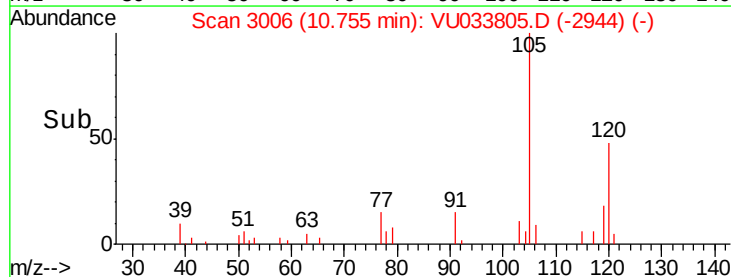
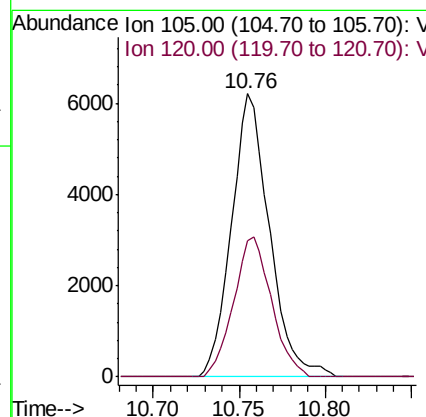
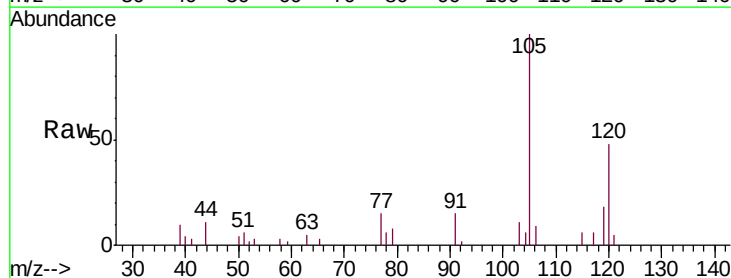
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

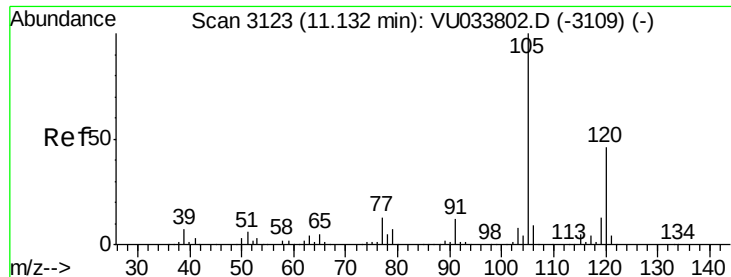
Tgt Ion: 75 Resp: 3079
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.8 38.6
 110 34.2 28.9 43.3



#62
 1,3,5-Trimethylbenzene
 Concen: 0.191 ug/L
 RT: 10.76 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

Tgt Ion: 105 Resp: 9504
 Ion Ratio Lower Upper
 105 100
 120 49.4 38.6 58.0

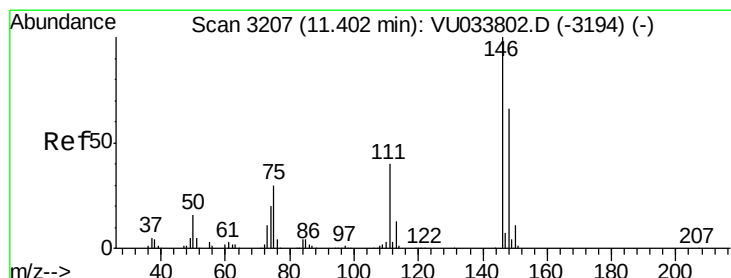
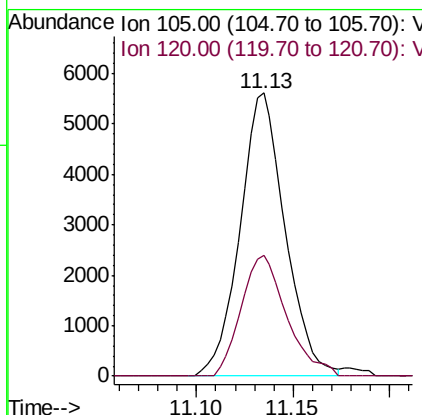
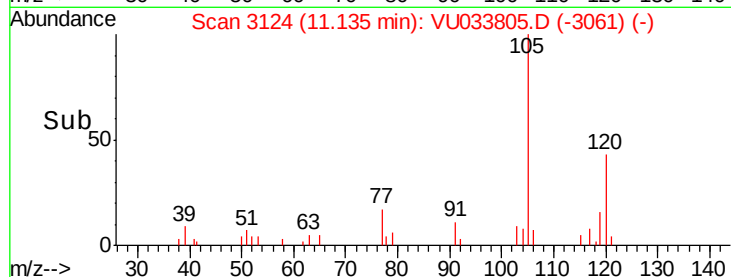
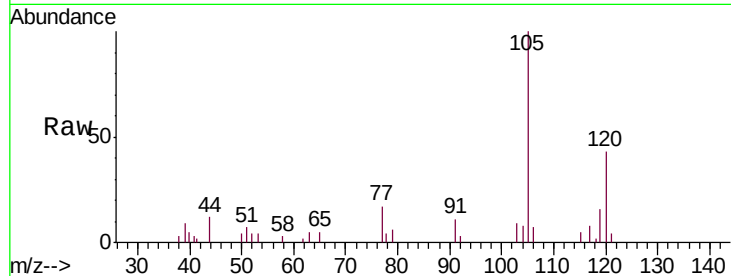




#63
 1,2,4-Trimethylbenzene
 Concen: 0.183 ug/L
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

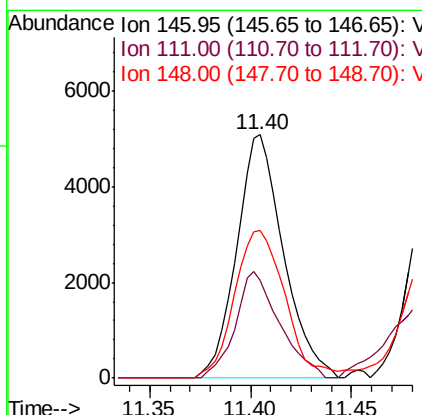
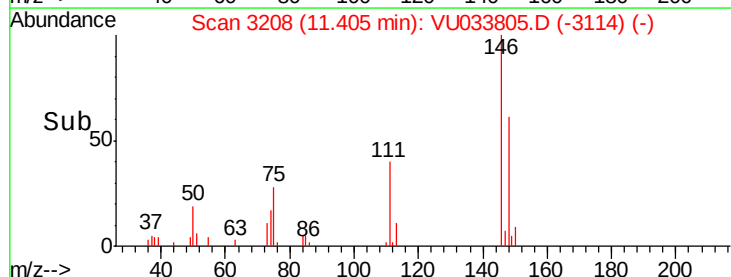
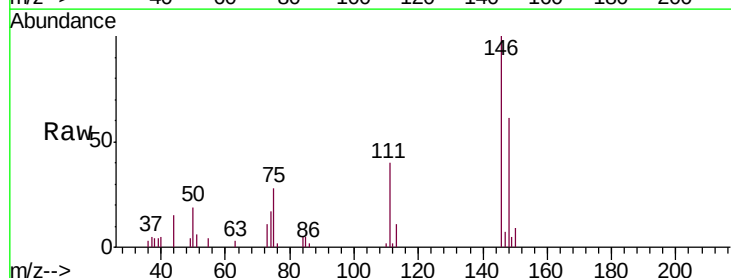
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

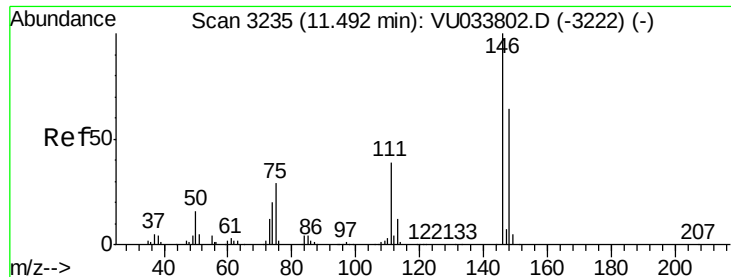
Tgt Ion:105 Resp: 9112
 Ion Ratio Lower Upper
 105 100
 120 42.9 36.5 54.7



#64
 1,3-Dichlorobenzene
 Concen: 0.252 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

Tgt Ion:146 Resp: 8275
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.5 52.9
 148 60.8 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 0.263 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

MDL04

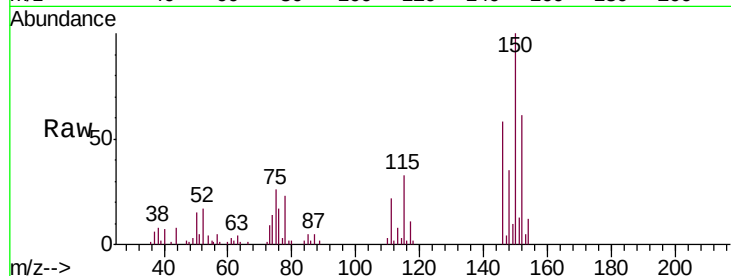
Tgt Ion:146 Resp: 8886

Ion Ratio Lower Upper

146 100

111 37.7 26.2 48.8

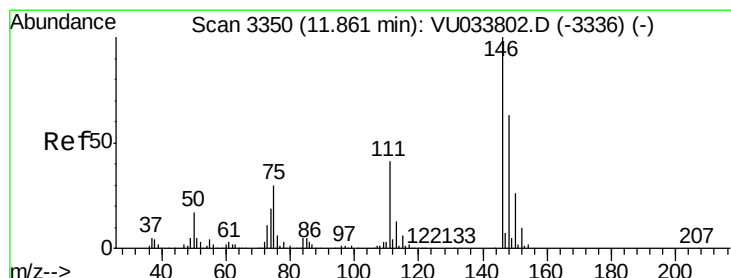
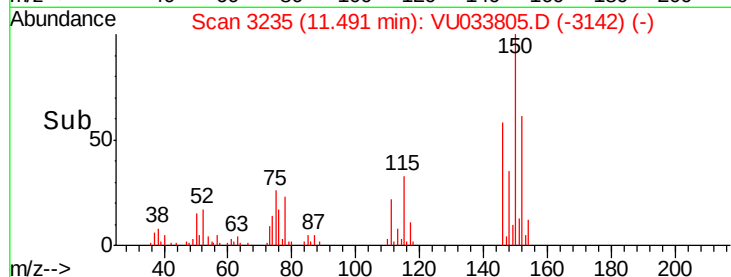
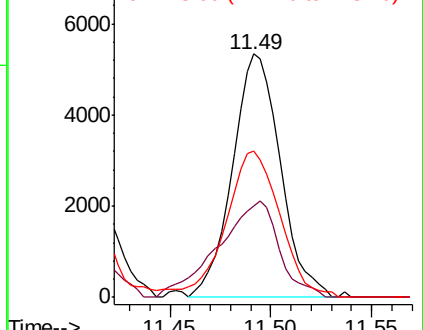
148 59.9 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.261 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033805.D

Acq: 15 Aug 2019 12:14

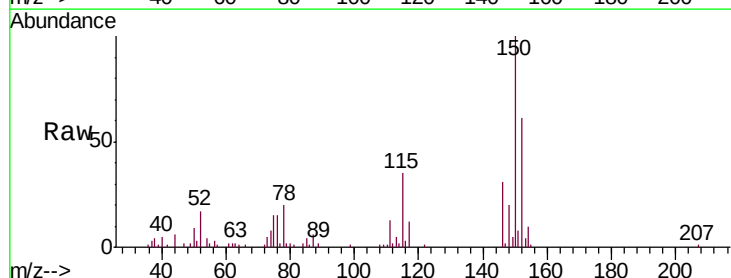
Tgt Ion:146 Resp: 8281

Ion Ratio Lower Upper

146 100

111 43.2 32.7 49.1

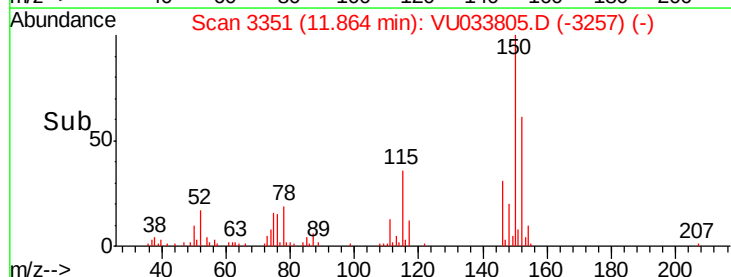
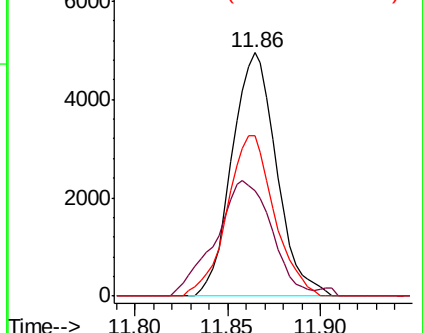
148 65.9 50.6 76.0

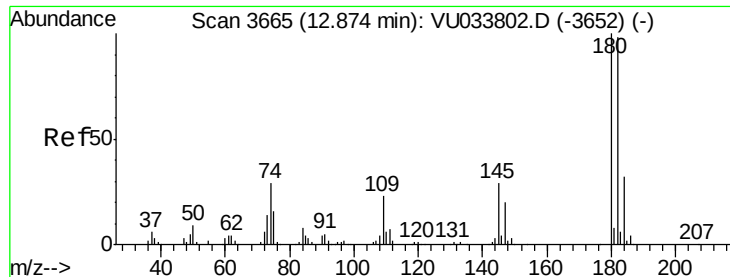


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

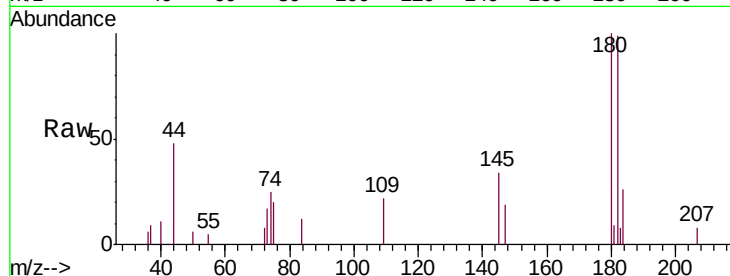




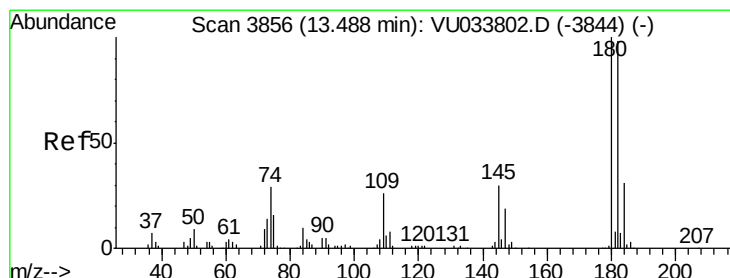
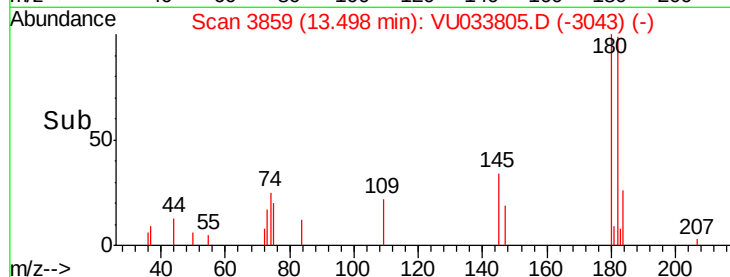
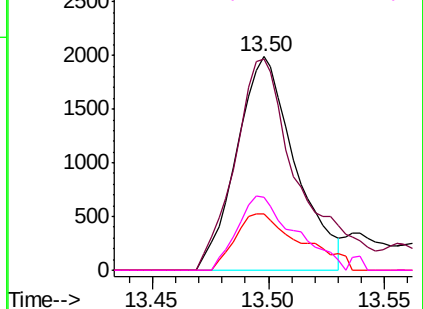
#69
 1,3,5-Trichlorobenzene
 Concen: 0.135 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.62 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:180 Resp: 3491
 Ion Ratio Lower Upper
 180 100
 182 107.7 76.6 114.8
 184 29.6 24.4 36.6
 145 34.2 23.3 34.9

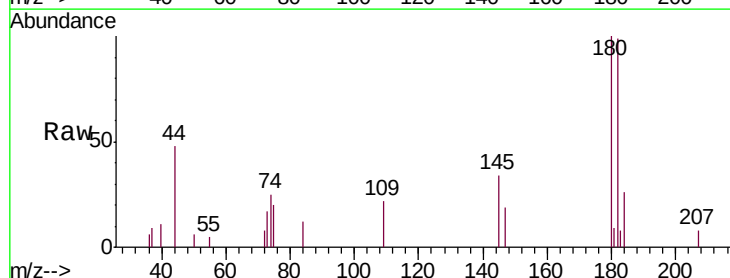


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

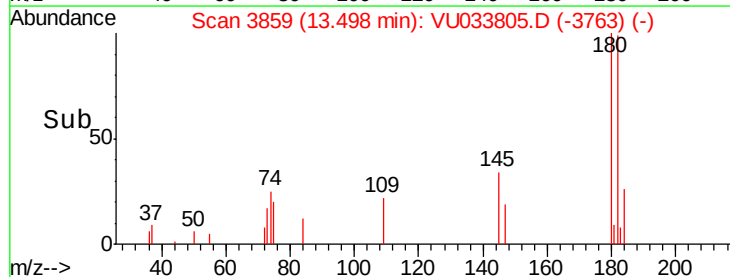
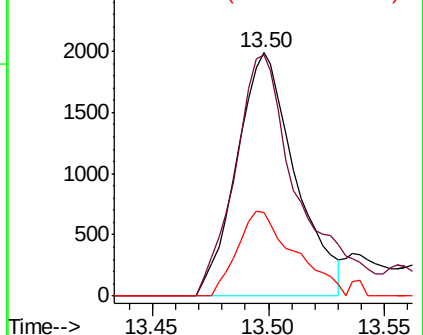


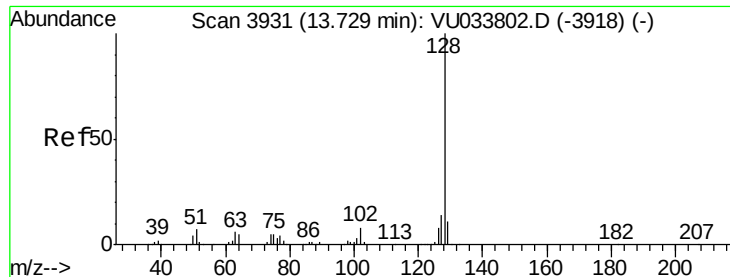
#70
 1,2,4-trichlorobenzene
 Concen: 0.174 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033805.D
 Acq: 15 Aug 2019 12:14

Tgt Ion:180 Resp: 3491
 Ion Ratio Lower Upper
 180 100
 182 107.7 77.4 116.2
 145 34.2 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

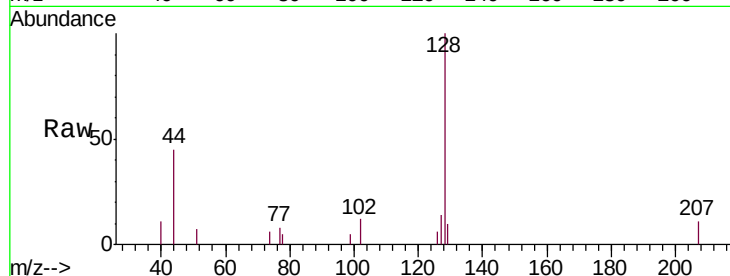




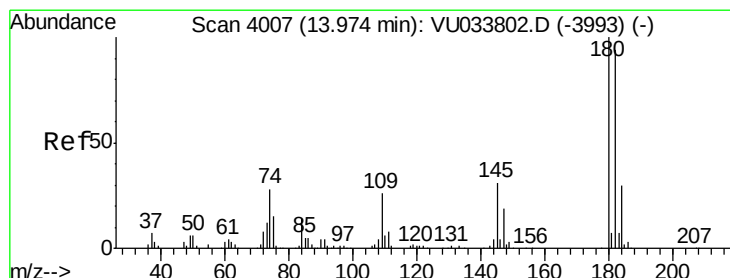
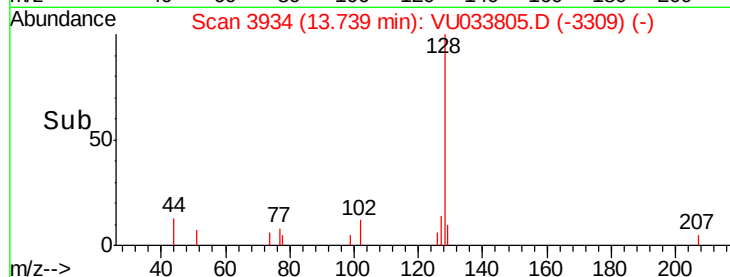
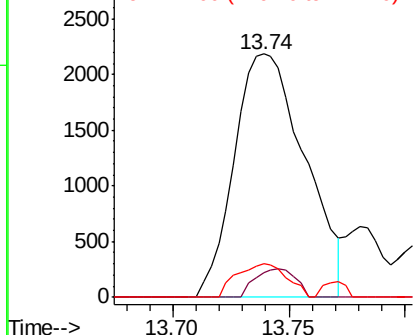
#71
Naphthalene
Concen: 0.149 ug/L
RT: 13.74 min Scan# 3934
Delta R.T. 0.01 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:128 Resp: 4612
Ion Ratio Lower Upper
128 100
129 6.7 8.5 12.7#
127 9.8 11.2 16.8#

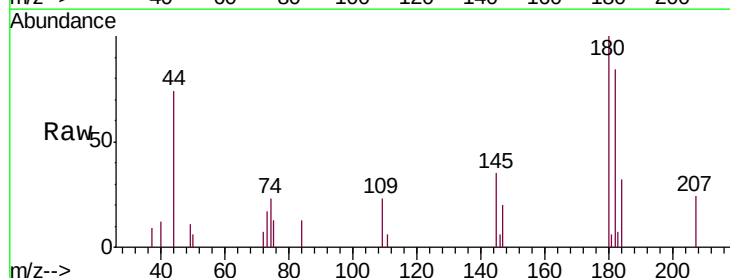


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.198 ug/L
RT: 13.98 min Scan# 4009
Delta R.T. 0.01 min
Lab File: VU033805.D
Acq: 15 Aug 2019 12:14

Tgt Ion:180 Resp: 3748
Ion Ratio Lower Upper
180 100
182 85.5 75.7 113.5
145 25.9 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

