

Data File : VU033544.D
Acq On : 01 Aug 2019 12:26
Operator : JC/SP
Sample : MDL07
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Quant Time: Aug 02 01:55:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	302721	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	300079	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	146067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	93281	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.76%
7) Chloroethane-d5	1.67	69	81816	43.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.66%
11) 1,1-Dichloroethene-d2	2.26	63	142898	35.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.54%
21) 2-Butanone-d5	4.18	46	159940	109.72	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.72%
24) Chloroform-d	4.62	84	175869	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
26) 1,2-Dichloroethane-d4	5.29	65	116017	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
32) Benzene-d6	5.32	84	349002	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
36) 1,2-Dichloropropane-d6	6.31	67	113959	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.74%
41) Toluene-d8	7.55	98	312809	44.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.74%
43) trans-1,3-Dichloropropene-	7.83	79	51577	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.18%
47) 2-Hexanone-d5	8.30	63	114716	103.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.61%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	175384	48.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.56%
64) 1,2-Dichlorobenzene-d4	11.85	152	128983	48.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7379	2.585 ug/L	95
3) Chloromethane	1.32	50	8676	3.017 ug/L	99
5) Vinyl chloride	1.39	62	9228	2.994 ug/L	85
6) Bromomethane	1.62	94	5433	1.998 ug/L	93
8) Chloroethane	1.69	64	5858	3.127 ug/L	91
9) Trichlorofluoromethane	1.87	101	11740	2.911 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6854	3.353 ug/L #	85
12) 1,1-Dichloroethene	2.27	96	6786	3.462 ug/L #	1
13) Acetone	2.34	43	4492	3.012 ug/L	82
14) Carbon disulfide	2.46	76	16609	2.701 ug/L	99
15) Methyl Acetate	2.62	43	6918	2.914 ug/L	95
16) Methylene chloride	2.68	84	6577	2.937 ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	5647	2.749 ug/L	93
18) Methyl tert-butyl Ether	2.98	73	16026	2.559 ug/L	99
19) 1,1-Dichloroethane	3.42	63	10277	2.666 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	2899	1.258 ug/L	88
23) Bromochloromethane	4.53	128	3312	2.754 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	14636	3.608	ug/L	92
27) 1,2-Dichloroethane	5.39	62	9128	2.922	ug/L #	94
29) Cyclohexane	4.97	56	8040	2.456	ug/L	95
30) 1,1,1-Trichloroethane	4.89	97	9568	2.771	ug/L	97
31) Carbon tetrachloride	5.11	117	7627	2.537	ug/L	95
33) Benzene	5.37	78	23054	2.663	ug/L	100
34) Trichloroethene	6.17	95	6650	2.912	ug/L	96
35) Methylcyclohexane	6.40	83	8464	2.375	ug/L	98
37) 1,2-Dichloropropane	6.41	63	6644	2.867	ug/L	99
38) Bromodichloromethane	6.74	83	8109	2.707	ug/L	90
39) cis-1,3-Dichloropropene	7.25	75	8645	2.390	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	16294	5.093	ug/L	95
42) Toluene	7.62	91	24249	2.605	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	8612	2.635	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	6052	2.751	ug/L	96
46) Tetrachloroethene	8.21	164	4729	2.537	ug/L	97
48) 2-Hexanone	8.35	43	17004	6.575	ug/L	92
49) Dibromochloromethane	8.46	129	6348	2.536	ug/L	100
50) 1,2-Dibromoethane	8.57	107	6175	2.534	ug/L	99
51) Chlorobenzene	9.10	112	15687	2.574	ug/L	90
52) Ethylbenzene	9.23	91	23792	2.374	ug/L	93
53) m,p-Xylene	9.36	106	8714	2.265	ug/L	92
54) o-xylene	9.76	106	8186	2.193	ug/L	95
55) Styrene	9.78	104	13630	2.150	ug/L	98
56) Isopropylbenzene	10.15	105	21147	2.168	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	11910	3.002	ug/L	96
59) 1,2,3-Trichloropropane	10.48	75	7971	2.606	ug/L	95
61) Bromoform	9.94	173	4849	2.748	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	11438	2.550	ug/L	90
63) 1,4-Dichlorobenzene	11.49	146	12944	2.777	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	13360	2.946	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	2265	2.703	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	8816	2.436	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	5631	1.821	ug/L	98
69) Naphthalene	13.74	128	13245	1.493	ug/L	96
70) 1,2,3-Trichlorobenzene	13.98	180	7097	2.182	ug/L	92

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

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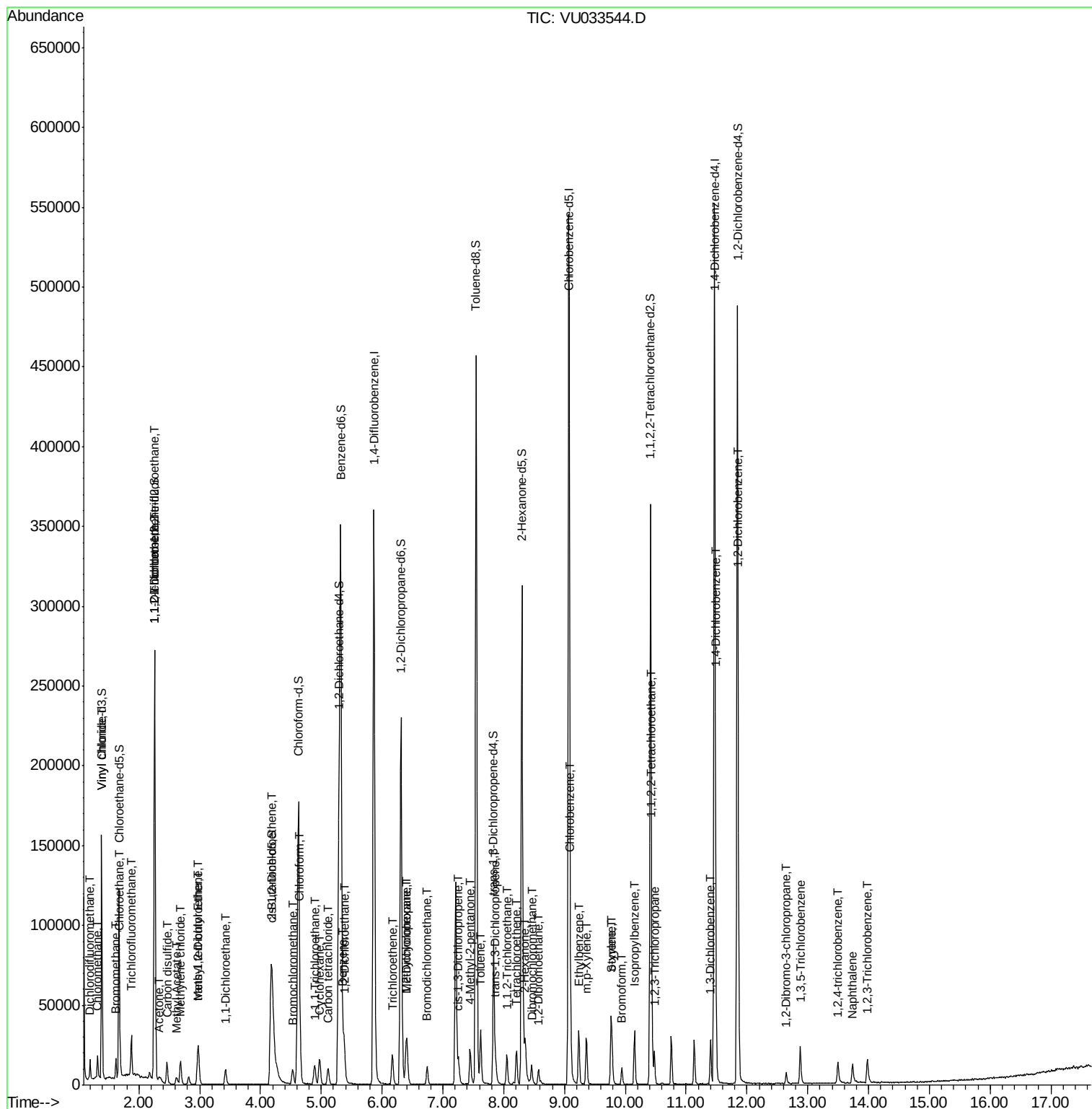
Quant Time: Aug 02 01:55:11 2019

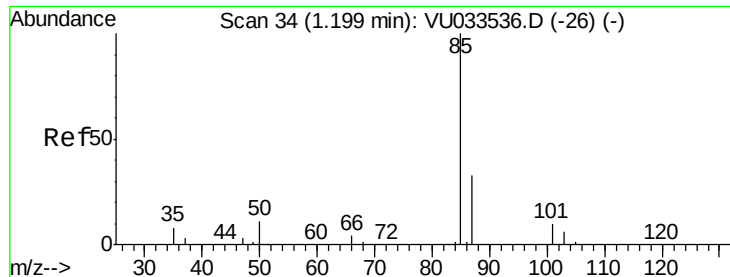
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM073119WMA.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 2.585 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

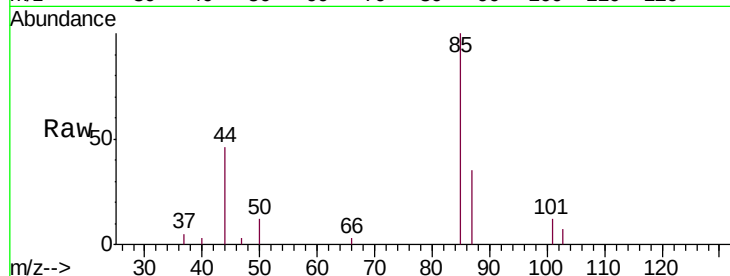
MDL07

Tgt Ion: 85 Resp: 7379

Ion Ratio Lower Upper

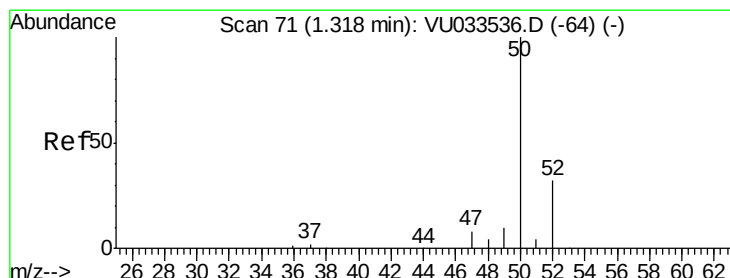
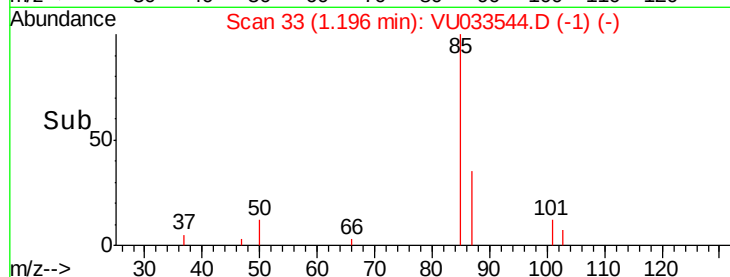
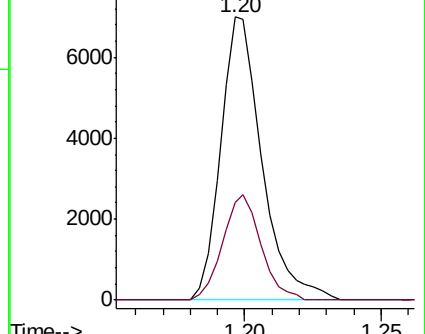
85 100

87 34.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 3.017 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033544.D

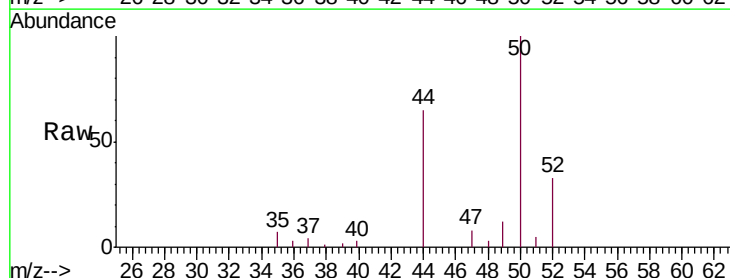
Acq: 01 Aug 2019 12:26

Tgt Ion: 50 Resp: 8676

Ion Ratio Lower Upper

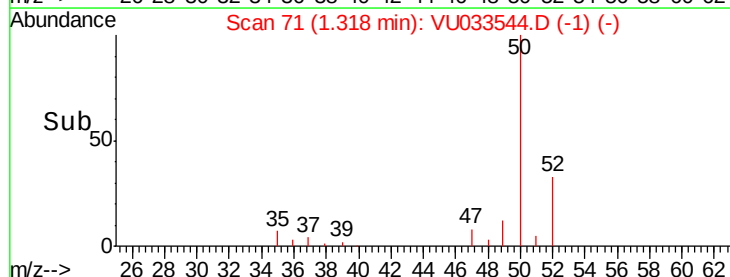
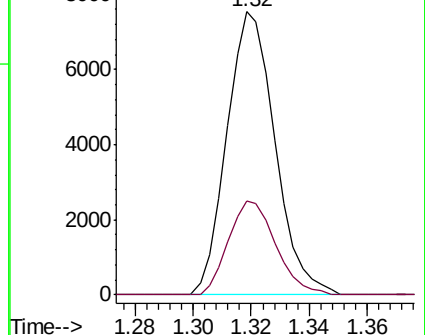
50 100

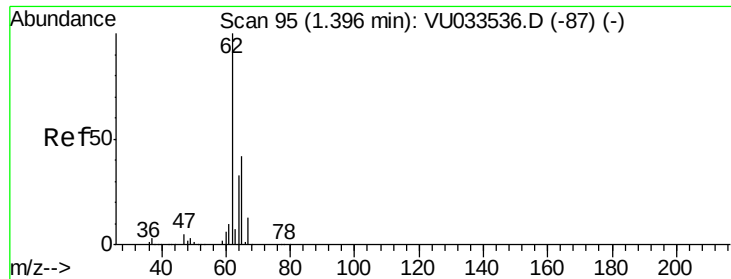
52 33.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.994 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

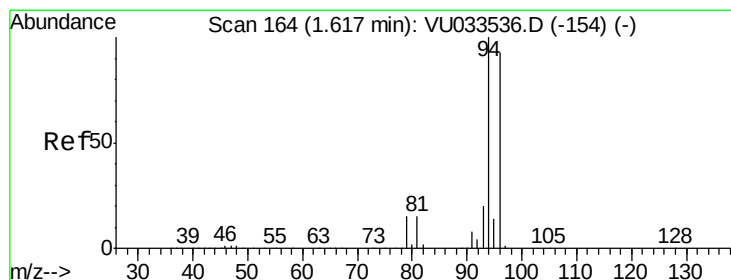
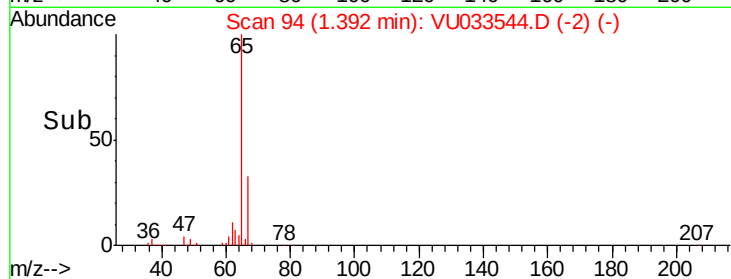
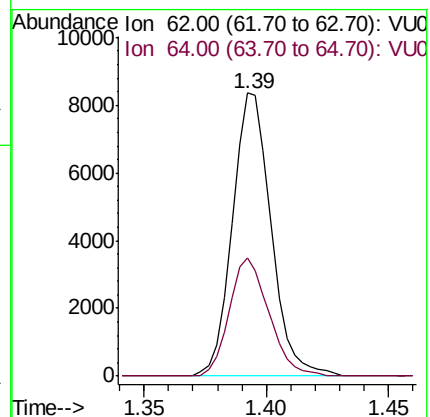
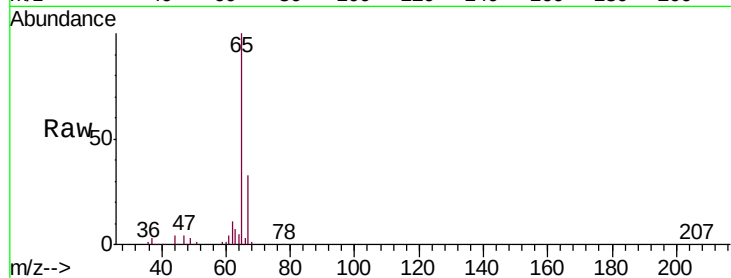
MDL07

Tgt Ion: 62 Resp: 9228

Ion Ratio Lower Upper

62 100

64 41.9 23.4 43.4



#6

Bromomethane

Concen: 1.998 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU033544.D

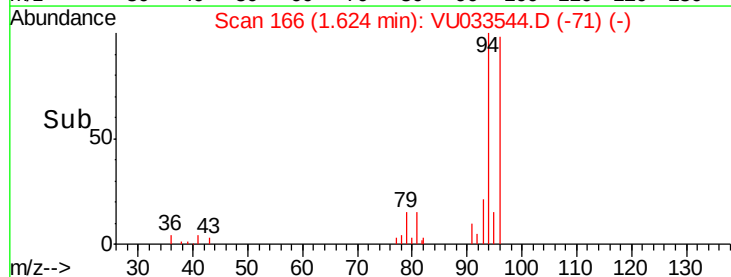
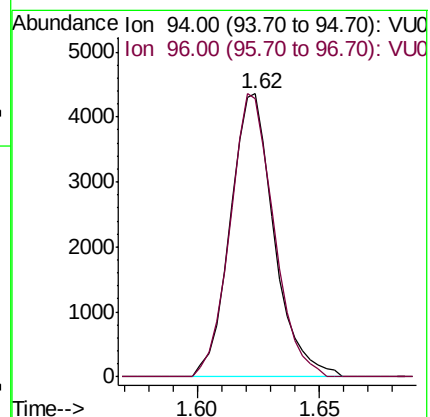
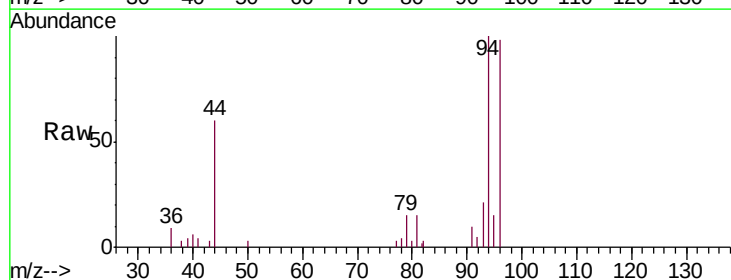
Acq: 01 Aug 2019 12:26

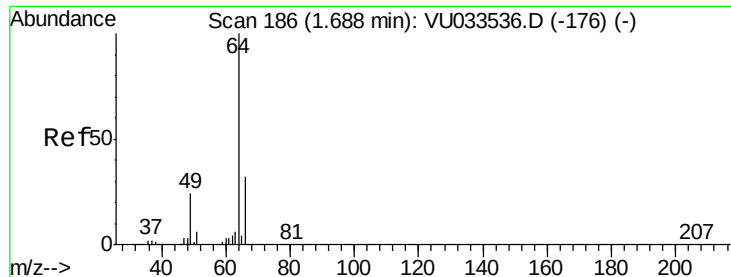
Tgt Ion: 94 Resp: 5433

Ion Ratio Lower Upper

94 100

96 98.3 64.4 119.6





#8

Chloroethane

Concen: 3.127 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

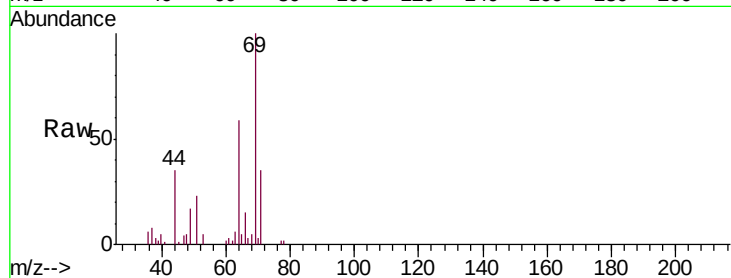
MDL07

Tgt Ion: 64 Resp: 5858

Ion Ratio Lower Upper

64 100

66 25.6 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VU033536.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033536.D (-176) (-)

1.69

4000

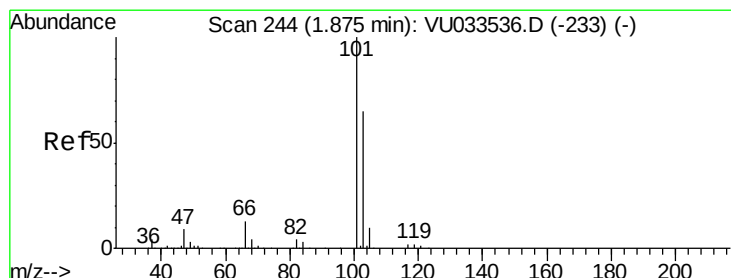
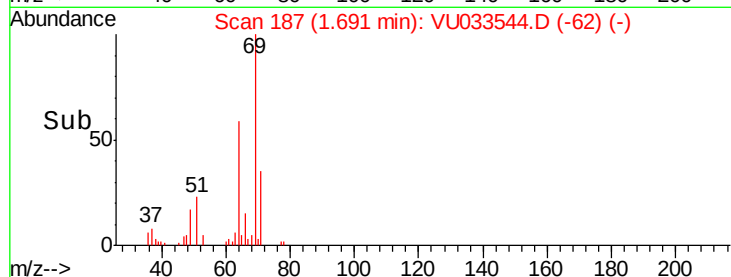
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 2.911 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033544.D

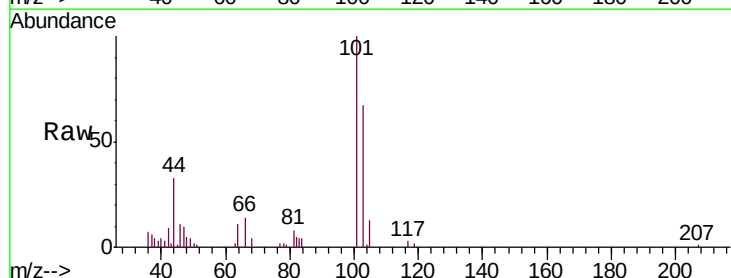
Acq: 01 Aug 2019 12:26

Tgt Ion: 101 Resp: 11740

Ion Ratio Lower Upper

101 100

103 66.5 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU033536.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033536.D (-233) (-)

1.87

10000

8000

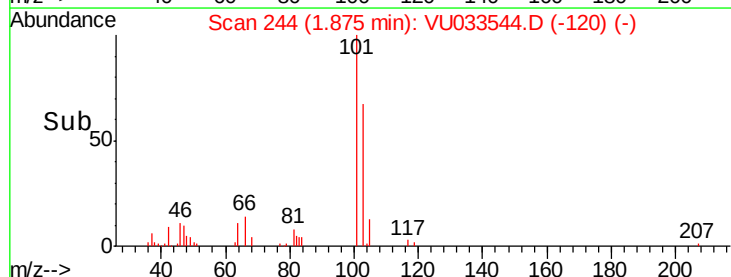
6000

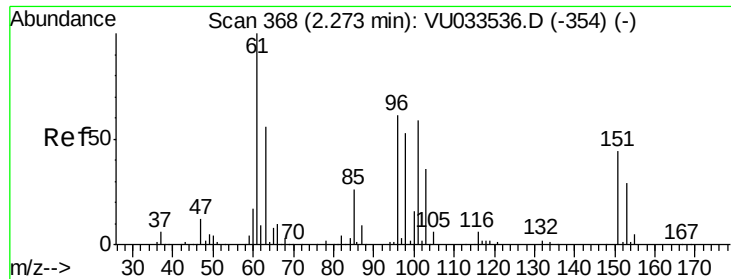
4000

2000

0

Time-->





#10

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

Concen: 3.353 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

MDL07

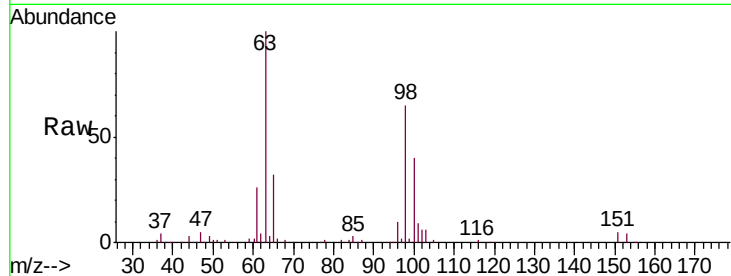
Tgt Ion: 101 Resp: 6854

Ion Ratio Lower Upper

101 100

85 35.3 35.8 53.8#

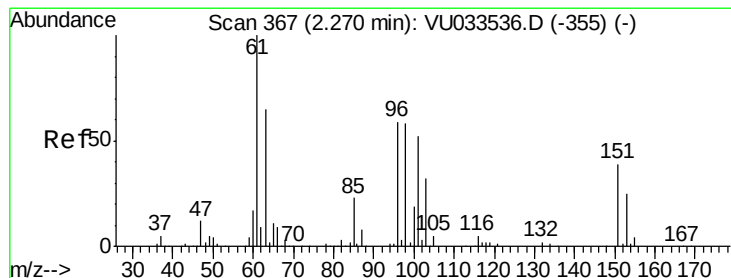
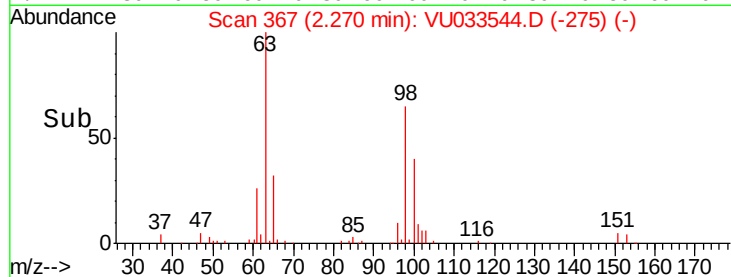
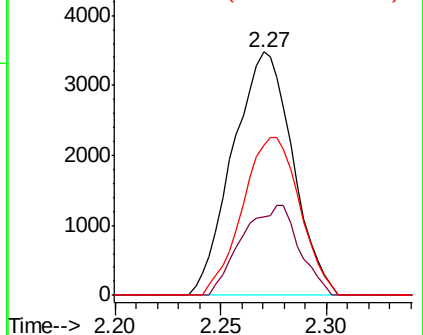
151 62.1 60.1 90.1



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: 3.462 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

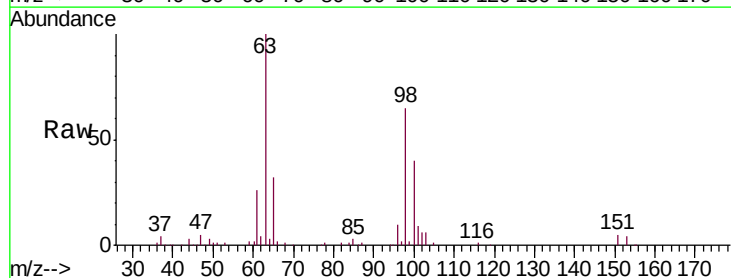
Tgt Ion: 96 Resp: 6786

Ion Ratio Lower Upper

96 100

61 261.2 119.3 221.5#

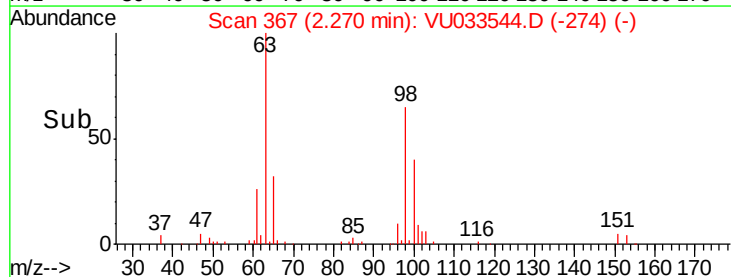
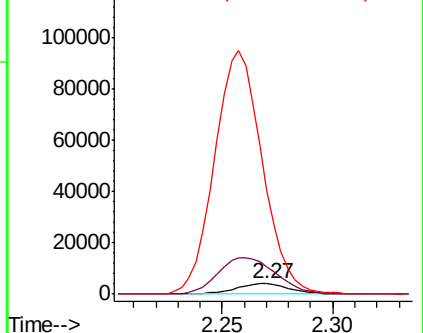
63 987.4 86.6 160.8#

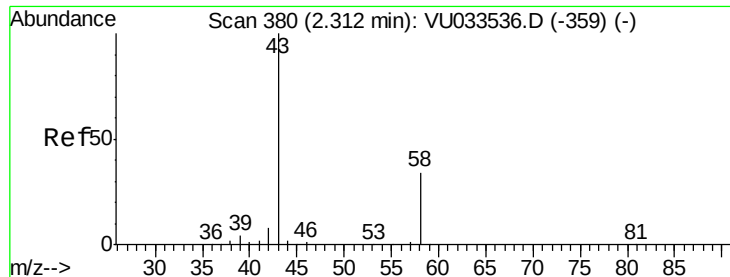


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.012 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.03 min

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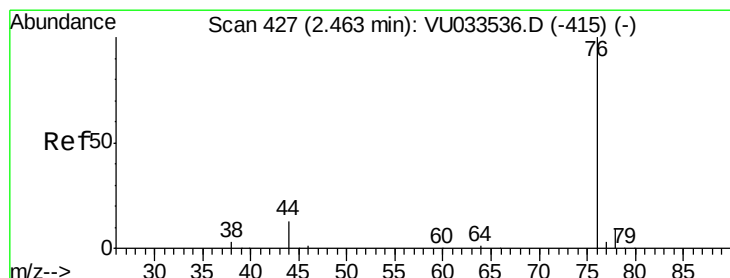
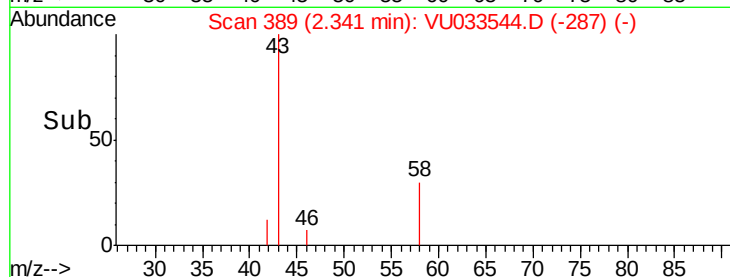
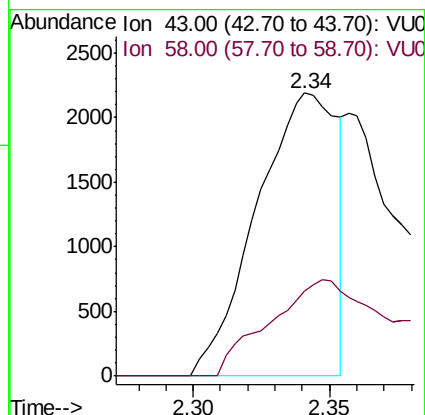
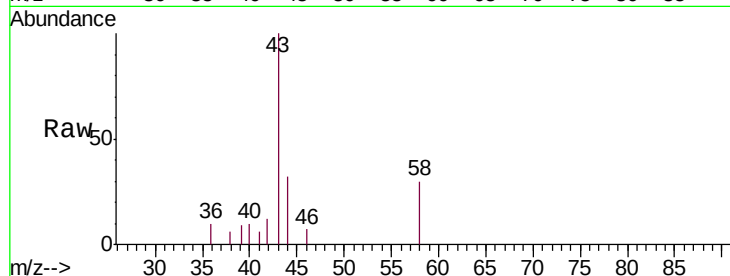
MDL07

Tgt Ion: 43 Resp: 4492

Ion Ratio Lower Upper

43 100

58 43.0 0.0 66.2



#14

Carbon disulfide

Concen: 2.701 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033544.D

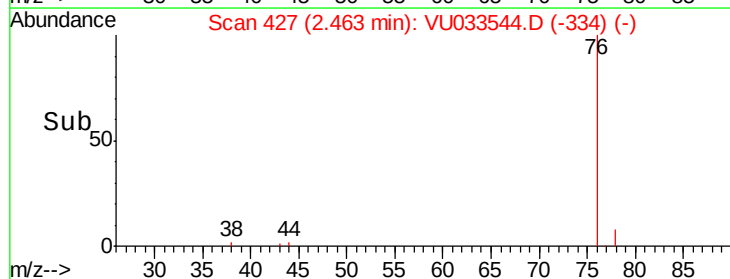
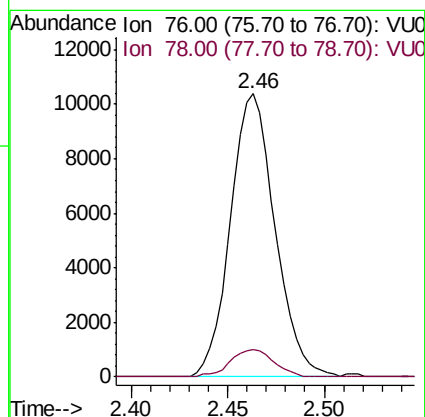
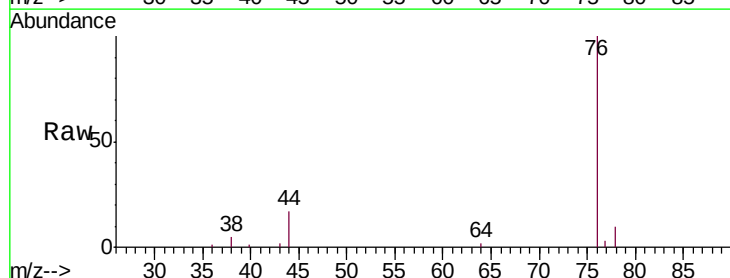
Acq: 01 Aug 2019 12:26

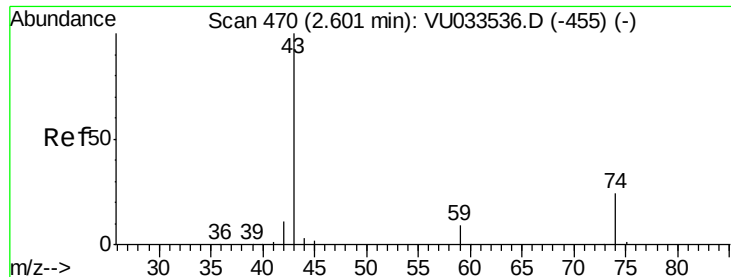
Tgt Ion: 76 Resp: 16609

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

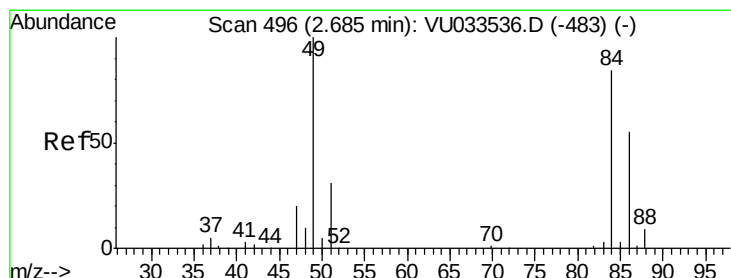
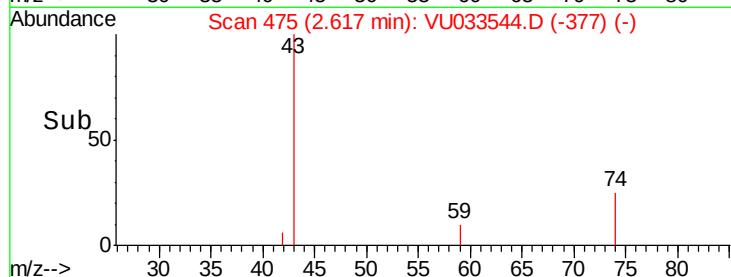
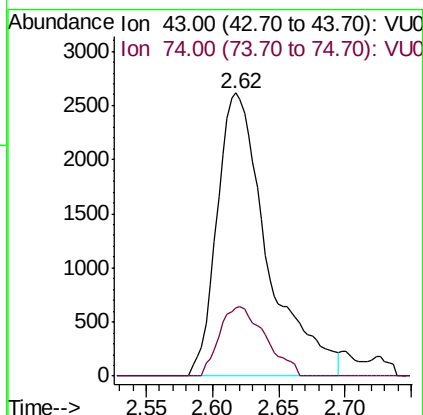
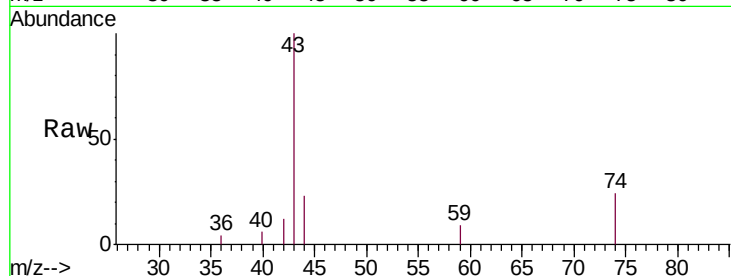




#15
Methyl Acetate
Concen: 2.914 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.02 min
Lab File: VU033544.D
Acq: 01 Aug 2019 12:26

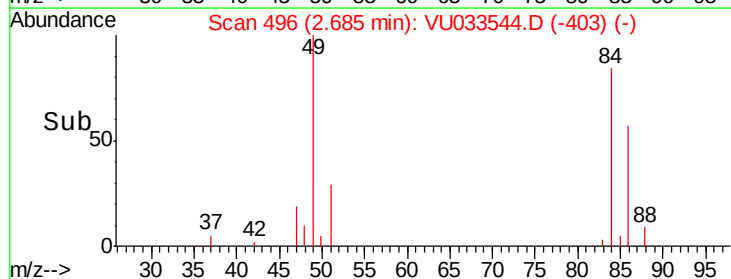
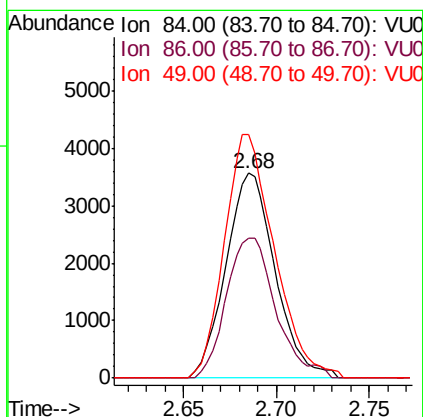
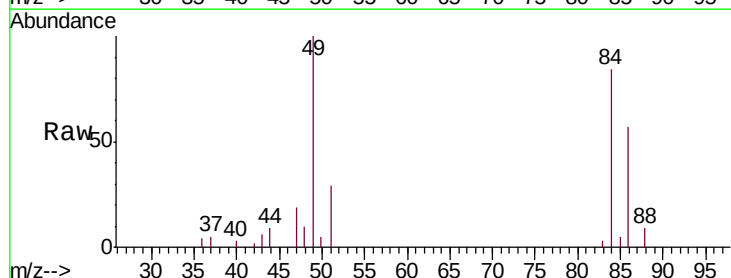
Instrument :
MSVOA_U
ClientSampleId :
MDL07

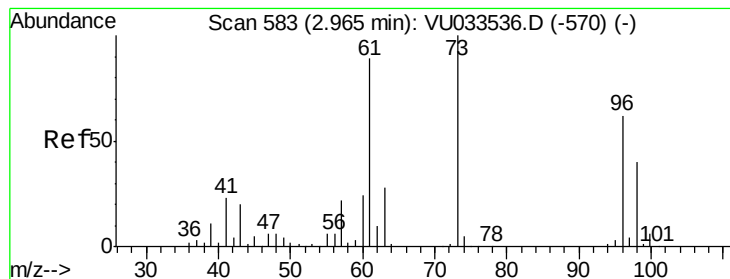
Tgt Ion: 43 Resp: 6918
Ion Ratio Lower Upper
43 100
74 22.5 20.1 30.1



#16
Methylene chloride
Concen: 2.937 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033544.D
Acq: 01 Aug 2019 12:26

Tgt Ion: 84 Resp: 6577
Ion Ratio Lower Upper
84 100
86 68.1 45.7 84.9
49 118.9 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 2.749 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

MDL07

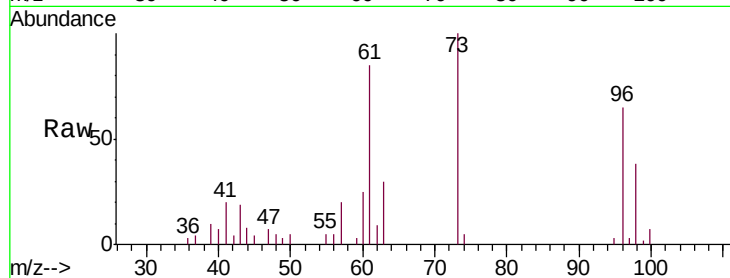
Tgt Ion: 96 Resp: 5647

Ion Ratio Lower Upper

96 100

61 130.9 98.3 182.5

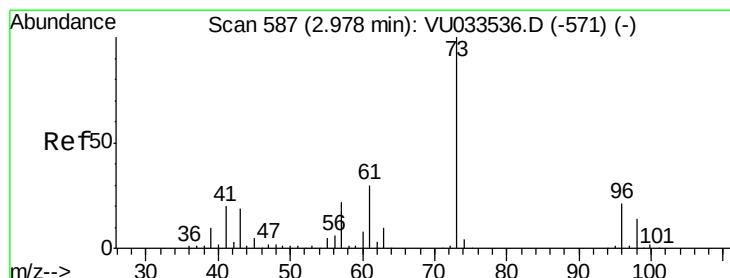
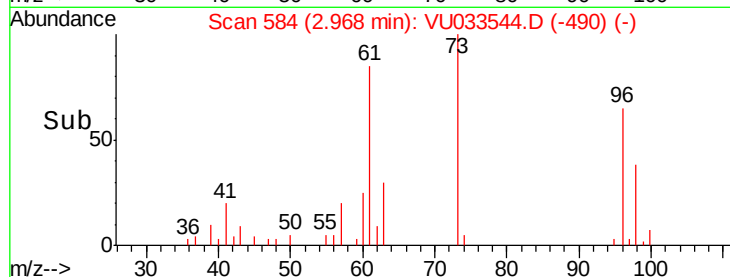
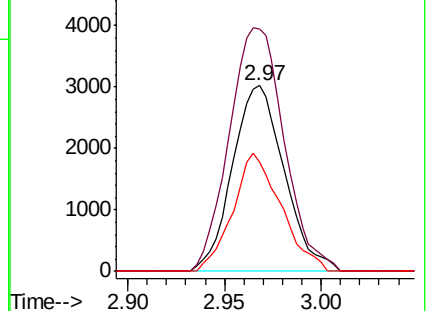
98 59.1 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033536.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033536.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033536.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 2.559 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

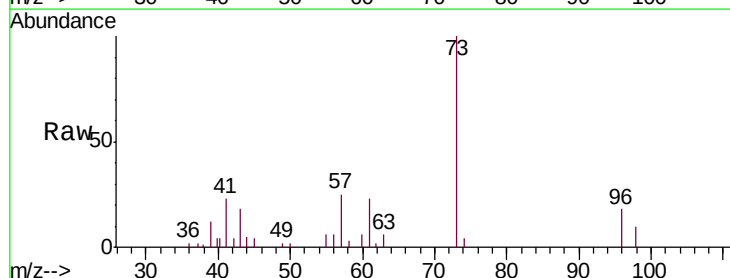
Tgt Ion: 73 Resp: 16026

Ion Ratio Lower Upper

73 100

43 20.1 15.4 23.2

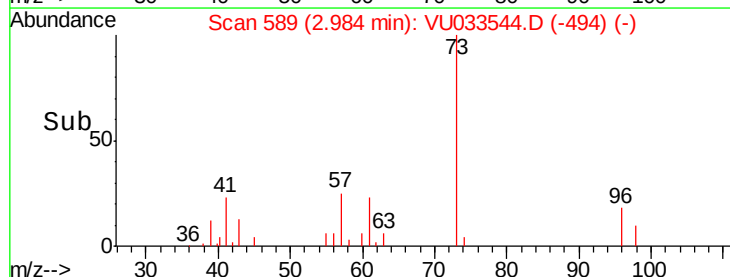
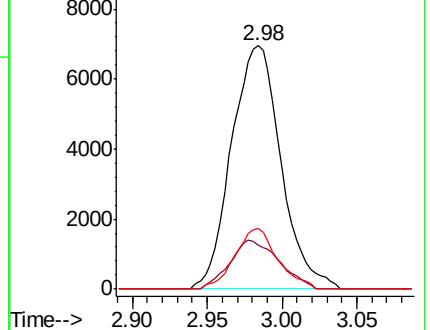
57 21.6 17.4 26.2

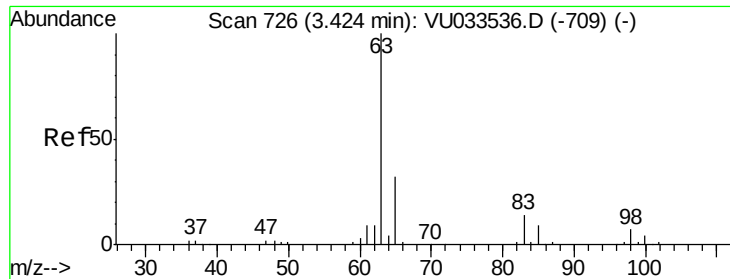


Abundance Ion 73.00 (72.70 to 73.70): VU033536.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033536.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033536.D (-571) (-)

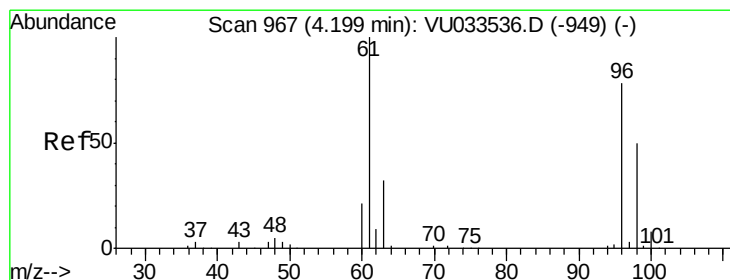
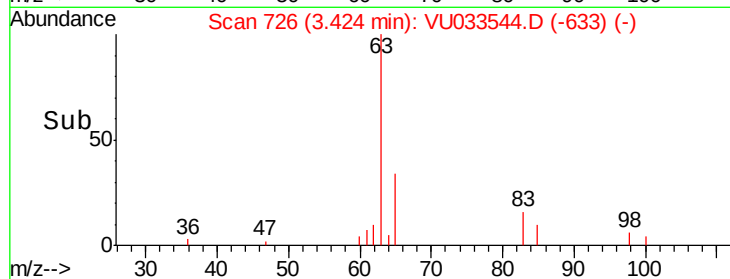
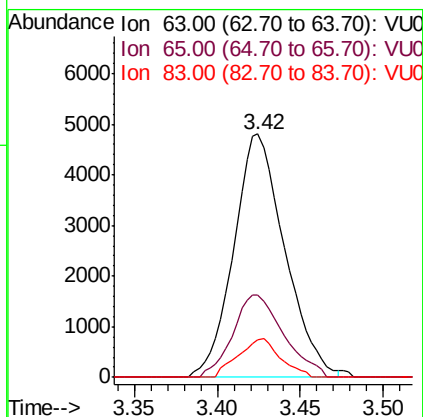
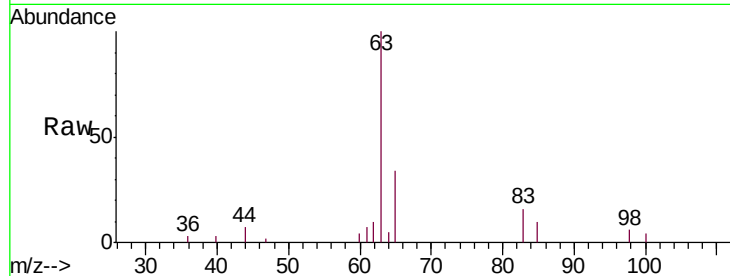




#19
 1,1-Dichloroethane
 Concen: 2.666 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

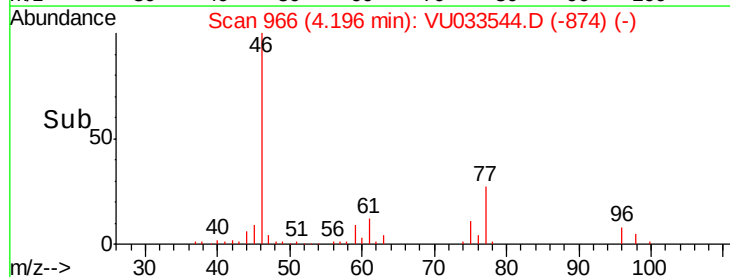
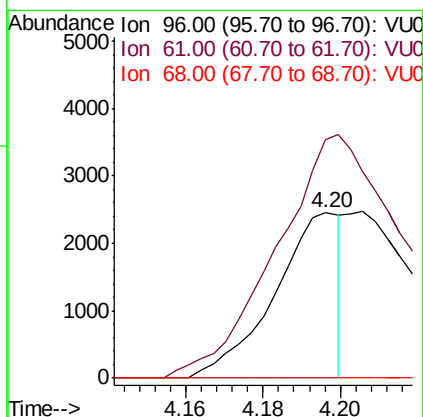
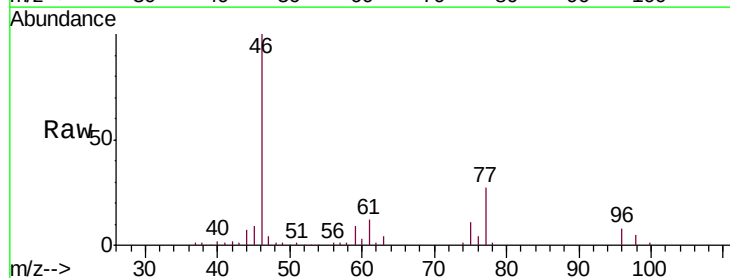
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

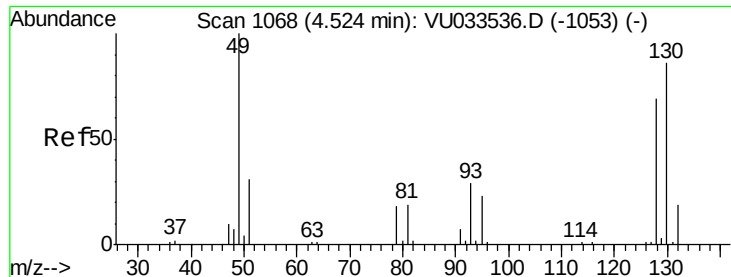
Tgt Ion:	63	Resp:	10277
Ion	Ratio	Lower	Upper
63	100		
65	33.6	22.0	40.8
83	15.6	9.5	17.7



#20
 cis-1,2-Dichloroethene
 Concen: 1.258 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion:	96	Resp:	2899
Ion	Ratio	Lower	Upper
96	100		
61	144.6	91.3	169.6
68	0.0	0.0	0.0

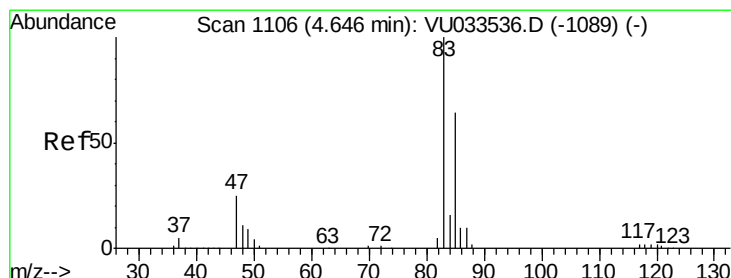
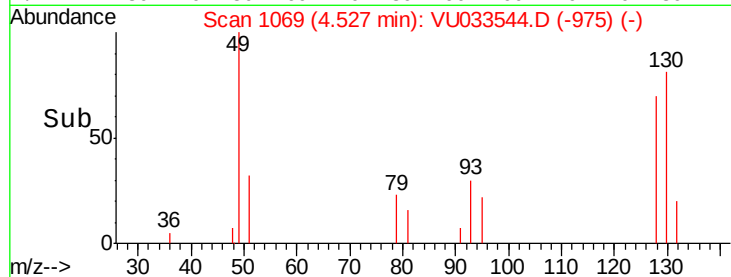
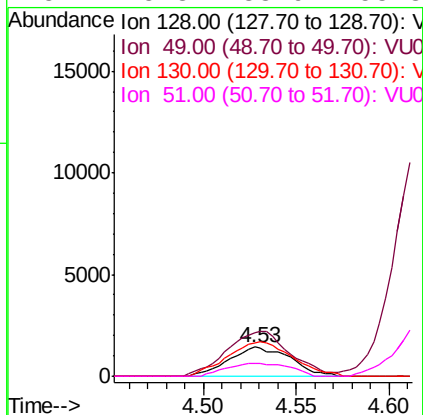
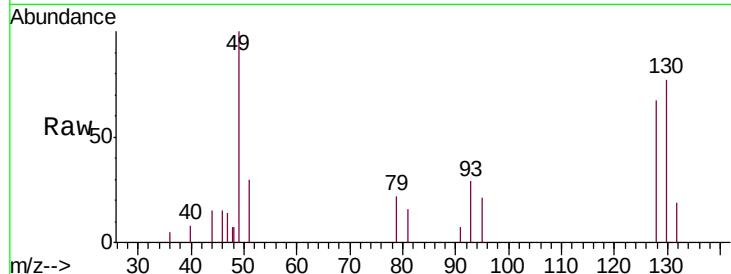




#23
 Bromochloromethane
 Concen: 2.754 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

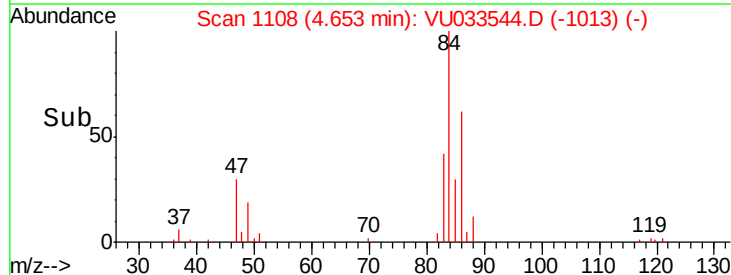
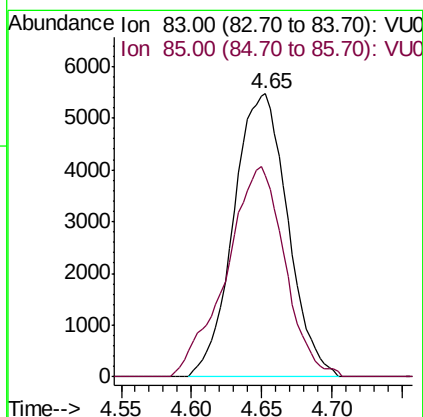
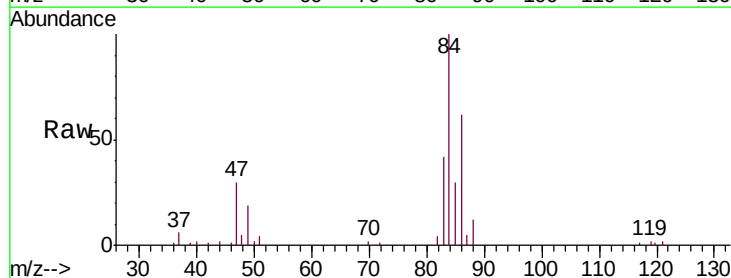
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

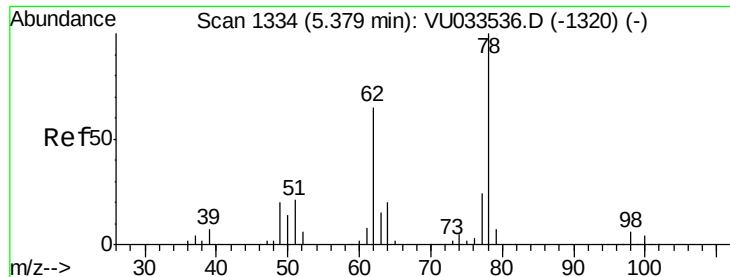
Tgt Ion:	128	Resp:	3312
Ion	Ratio	Lower	Upper
128	100		
49	149.2	108.4	201.2
130	115.6	89.7	166.5
51	45.3	38.9	58.3



#25
 Chloroform
 Concen: 3.608 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion:	83	Resp:	14636
Ion	Ratio	Lower	Upper
83	100		
85	71.4	45.6	84.8

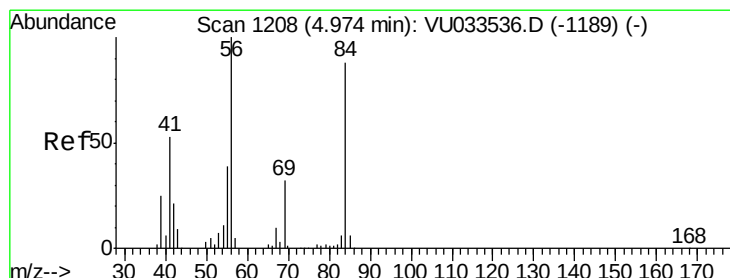
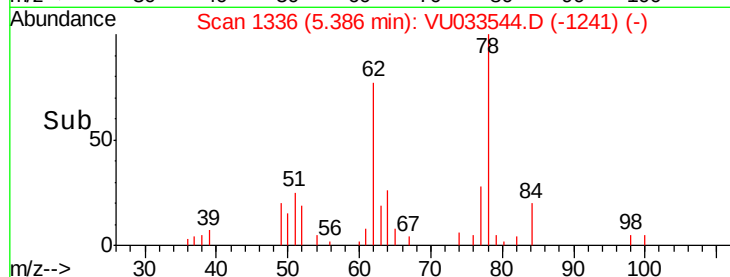
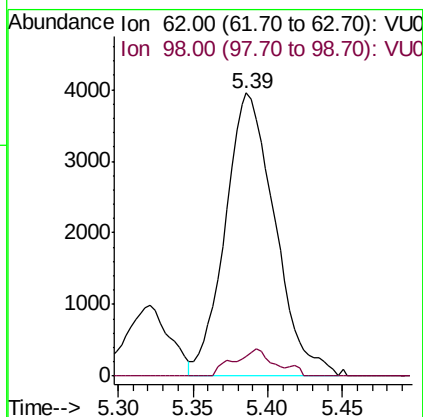
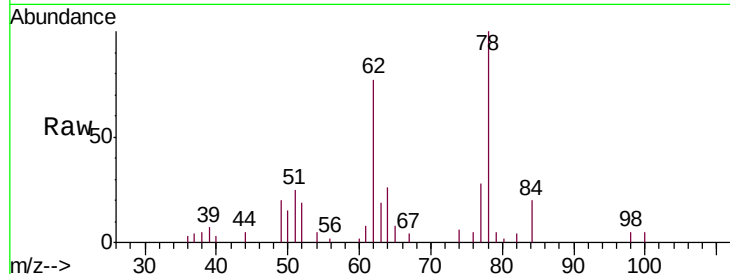




#27
 1,2-Dichloroethane
 Concen: 2.922 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

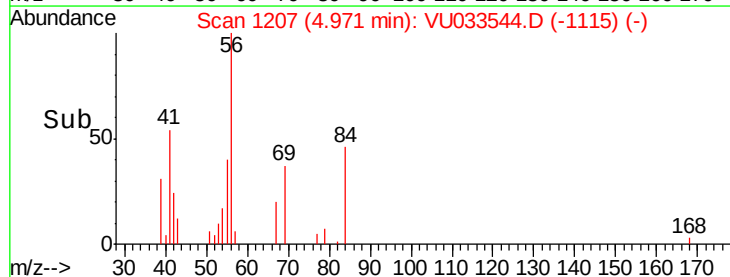
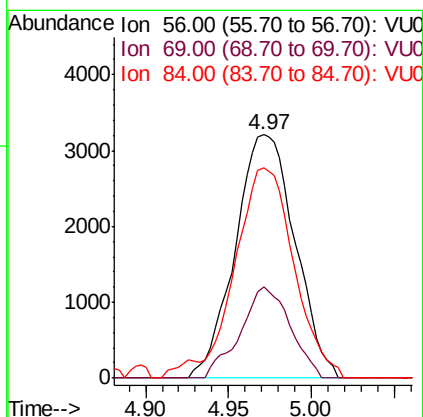
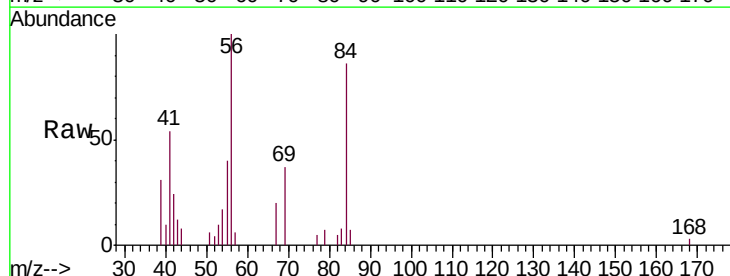
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

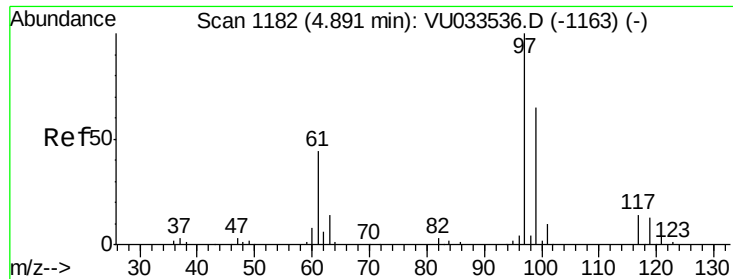
Tgt Ion: 62 Resp: 9128
 Ion Ratio Lower Upper
 62 100
 98 6.8 7.2 10.8#



#29
 Cyclohexane
 Concen: 2.456 ug/L
 RT: 4.97 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion: 56 Resp: 8040
 Ion Ratio Lower Upper
 56 100
 69 31.2 25.0 37.6
 84 83.5 71.6 107.4

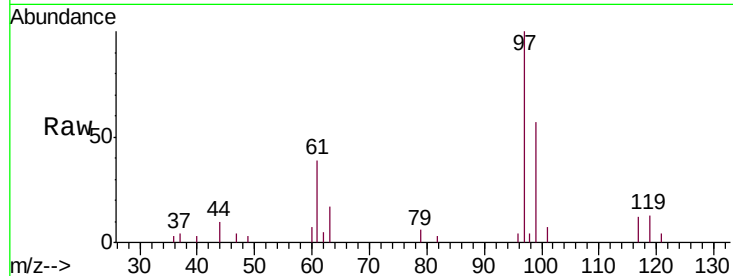




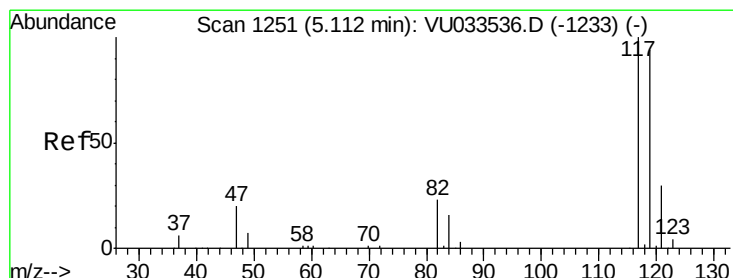
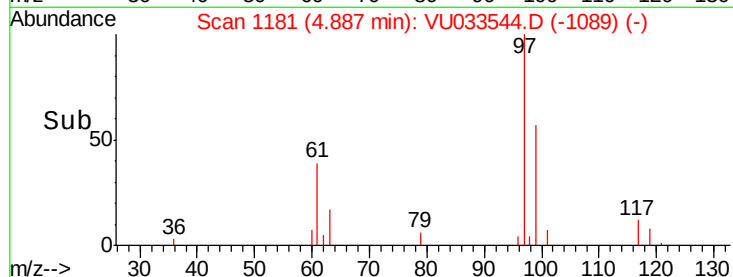
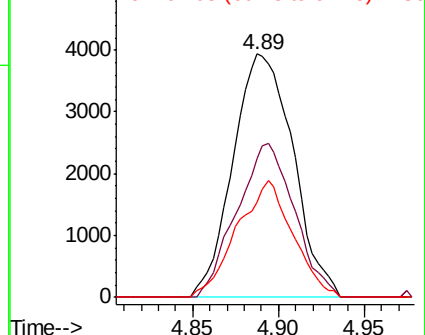
#30
 1,1,1-Trichloroethane
 Concen: 2.771 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 97 Resp: 9568
 Ion Ratio Lower Upper
 97 100
 99 60.4 51.1 76.7
 61 44.5 35.5 53.3

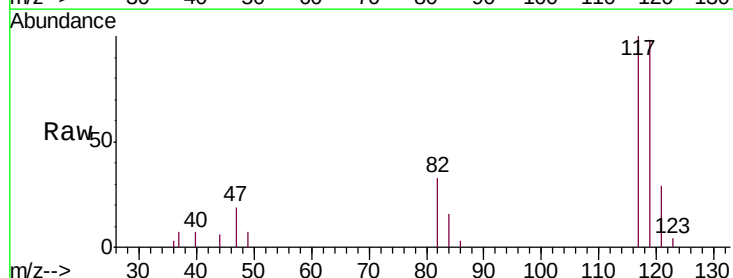


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

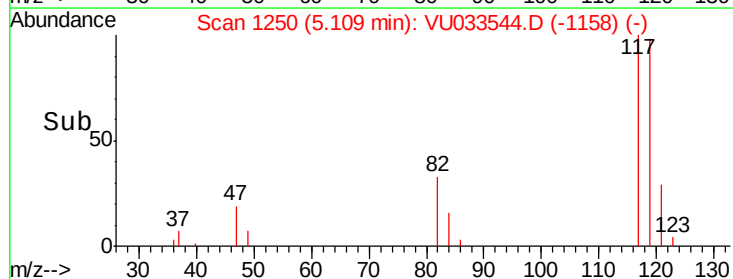
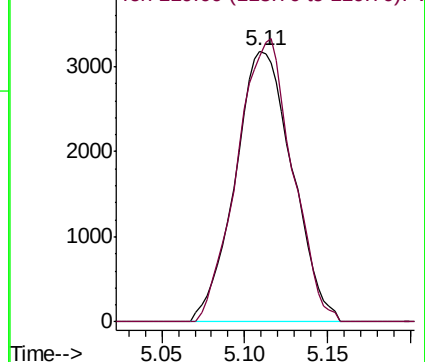


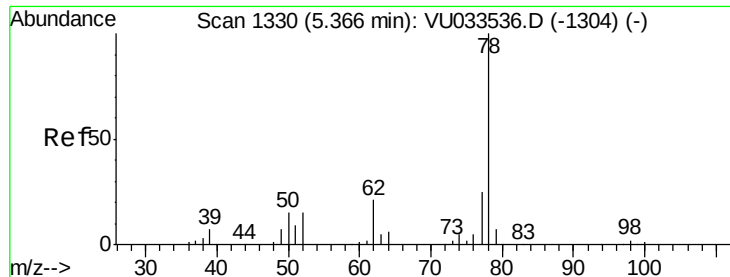
#31
 Carbon tetrachloride
 Concen: 2.537 ug/L
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion: 117 Resp: 7627
 Ion Ratio Lower Upper
 117 100
 119 101.1 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.663 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

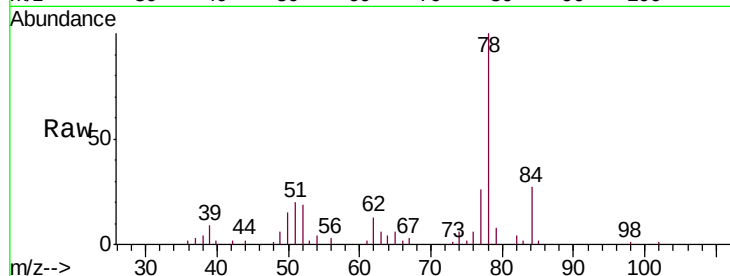
Instrument :

MSVOA_U

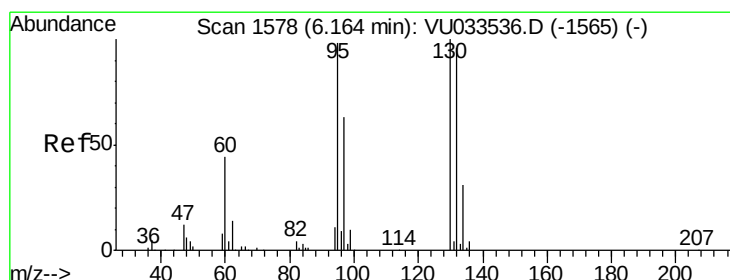
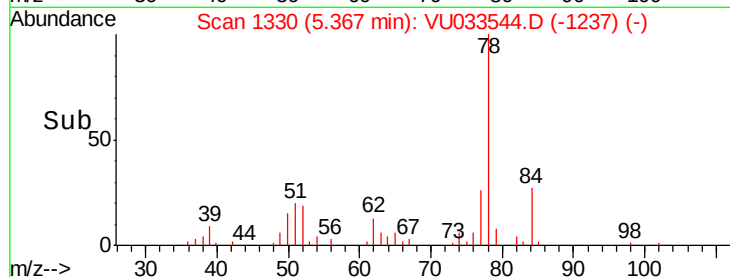
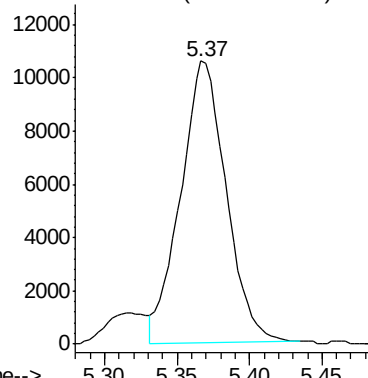
ClientSampleId :

MDL07

Tgt Ion: 78 Resp: 23054



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 2.912 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Tgt Ion: 95 Resp: 6650

Ion	Ratio	Lower	Upper
95	100		
97	66.9	44.7	83.1
132	98.1	66.8	124.0
130	97.3	71.6	133.0

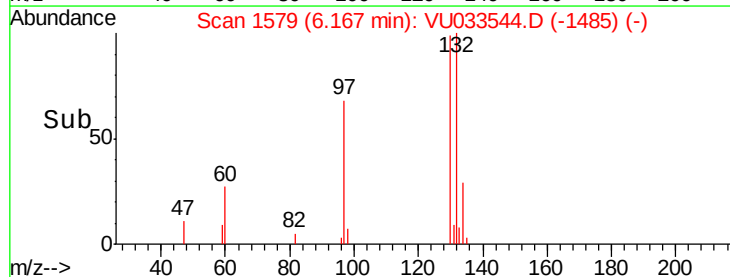
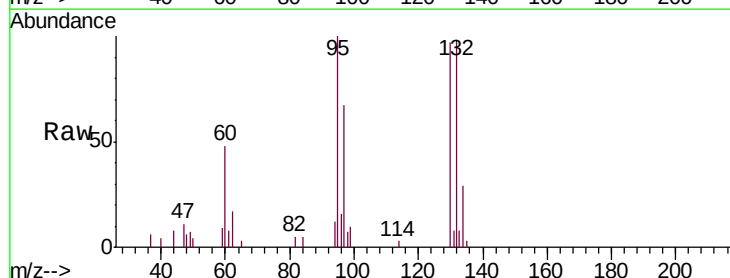
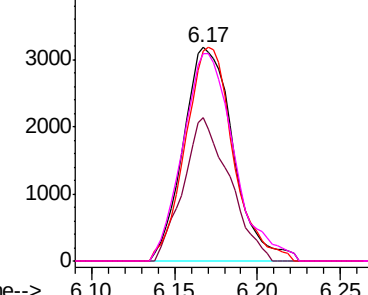
97	66.9	44.7	83.1
132	98.1	66.8	124.0
130	97.3	71.6	133.0

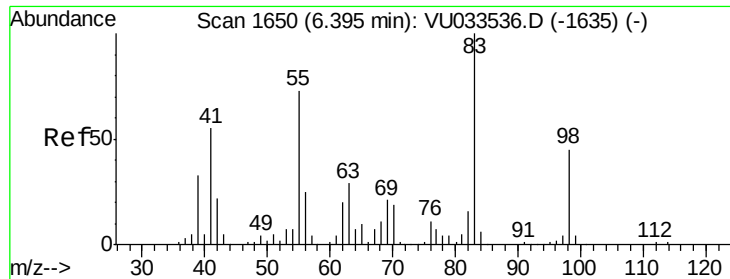
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

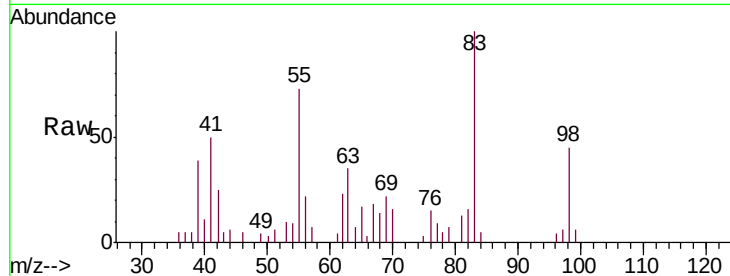




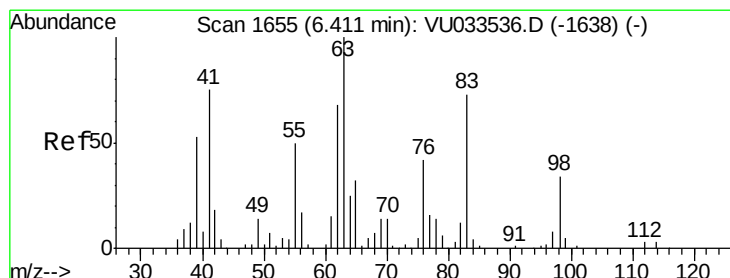
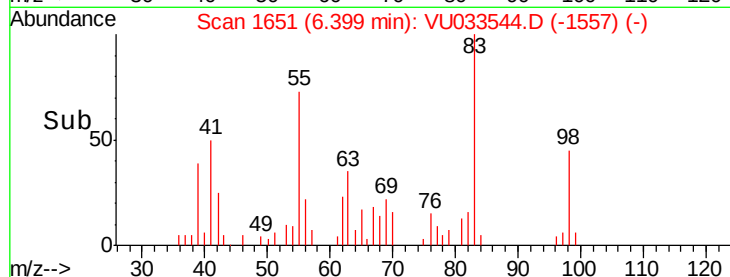
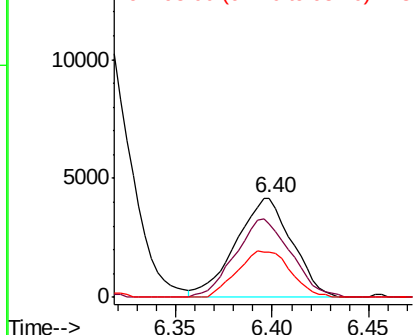
#35
Methylcyclohexane
Concen: 2.375 ug/L
RT: 6.40 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VU033544.D
Acq: 01 Aug 2019 12:26

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 83 Resp: 8464
Ion Ratio Lower Upper
83 100
55 77.5 60.2 90.4
98 44.1 36.5 54.7

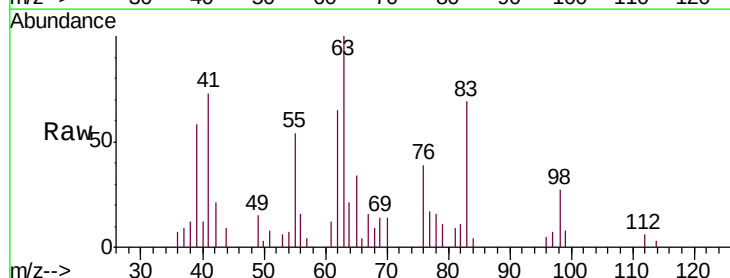


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

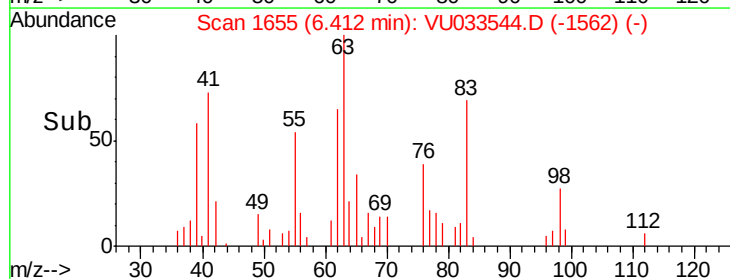
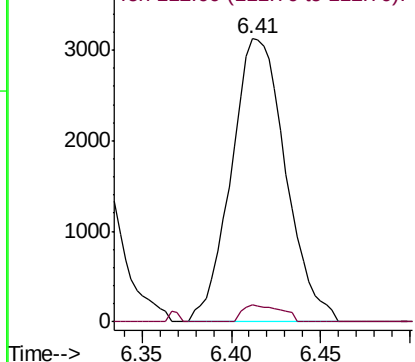


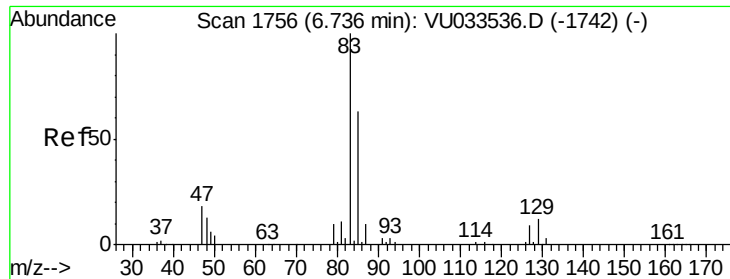
#37
1,2-Dichloropropane
Concen: 2.867 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU033544.D
Acq: 01 Aug 2019 12:26

Tgt Ion: 63 Resp: 6644
Ion Ratio Lower Upper
63 100
112 4.3 3.0 4.6



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

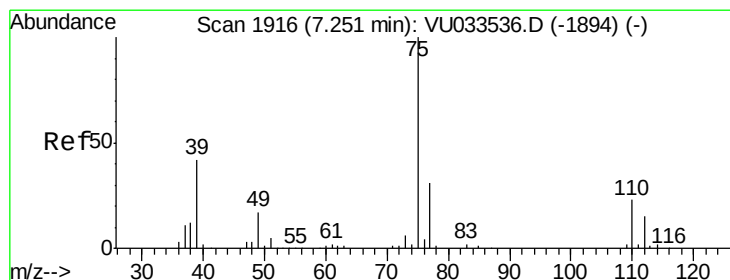
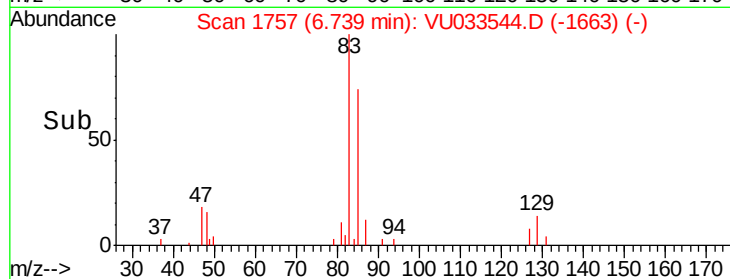
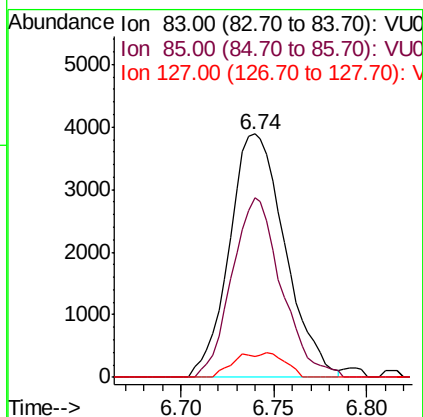
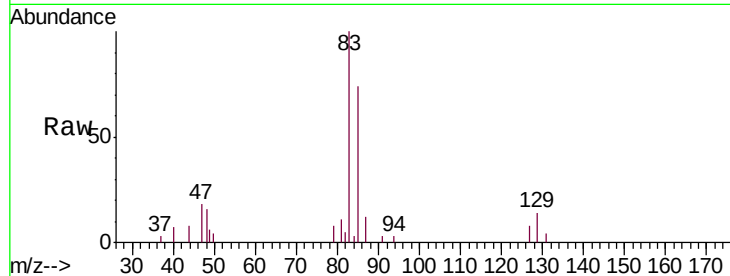




#38
 Bromodichloromethane
 Concen: 2.707 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

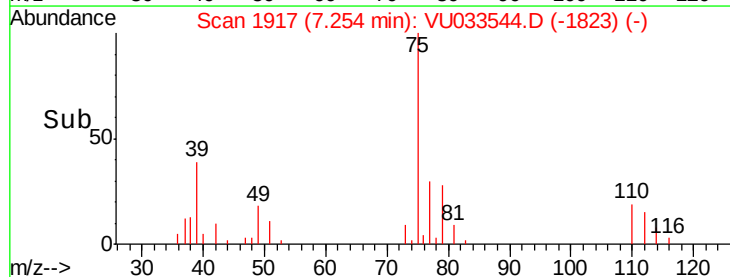
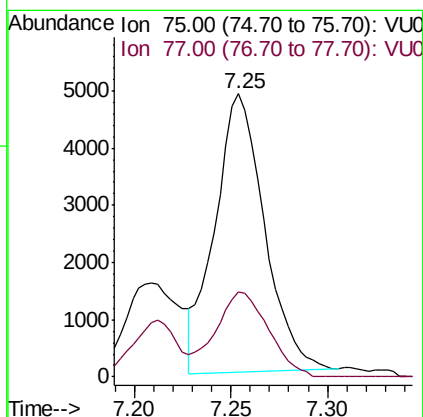
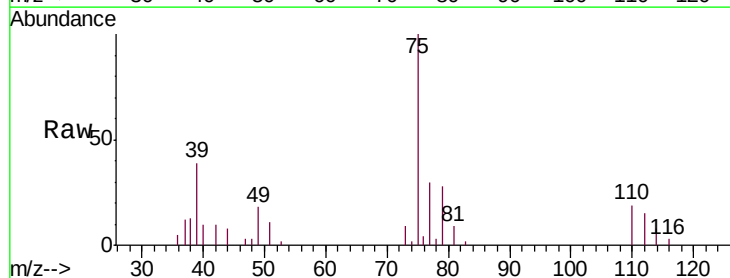
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

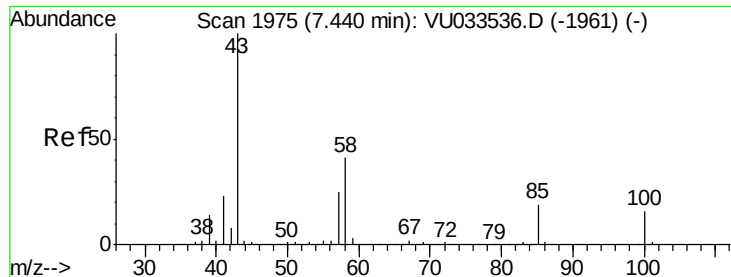
Tgt Ion: 83 Resp: 8109
 Ion Ratio Lower Upper
 83 100
 85 73.7 45.1 83.9
 127 8.4 7.2 10.8



#39
 cis-1,3-Dichloropropene
 Concen: 2.390 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion: 75 Resp: 8645
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.3 41.5

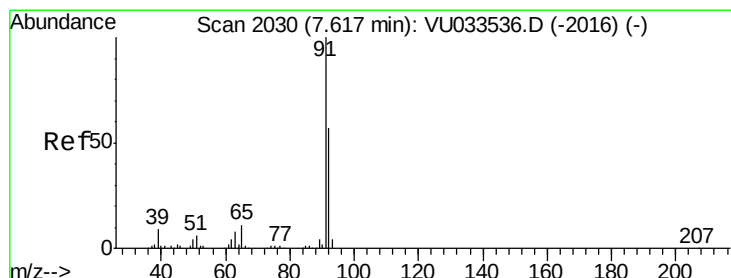
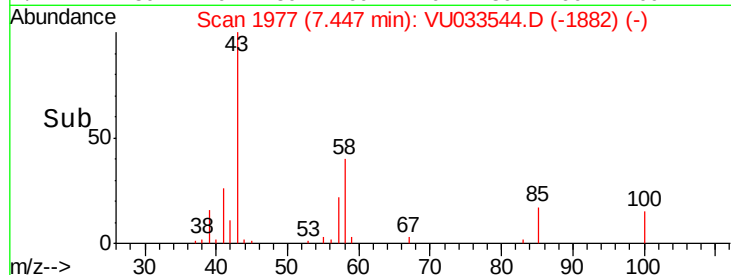
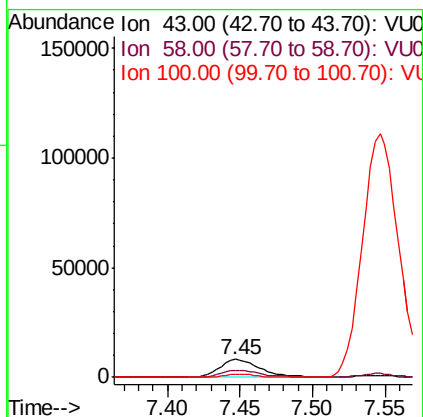
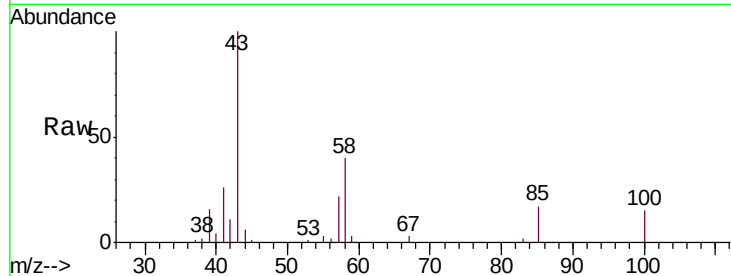




#40
 4-Methyl-2-pentanone
 Concen: 5.093 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

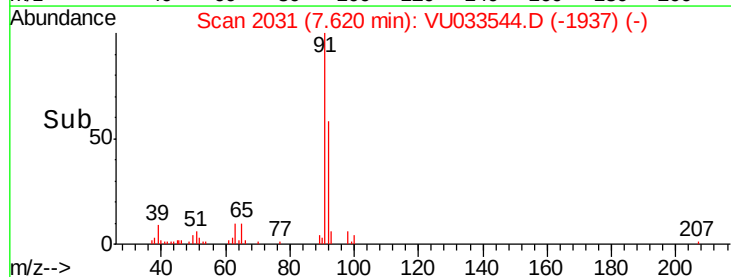
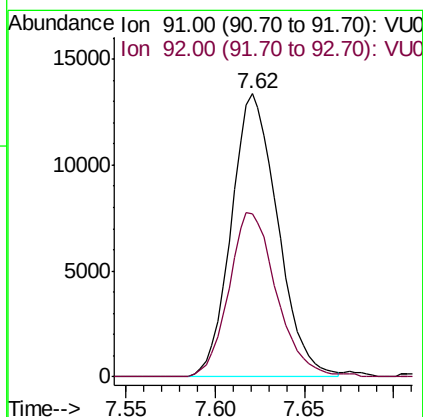
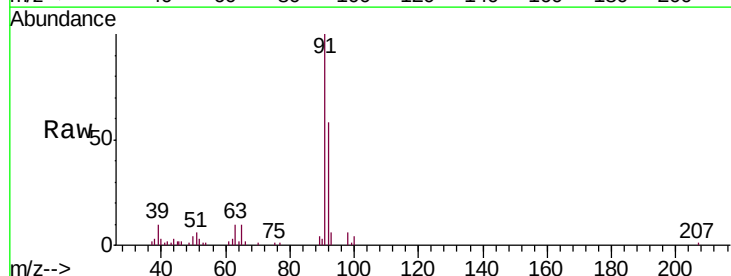
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

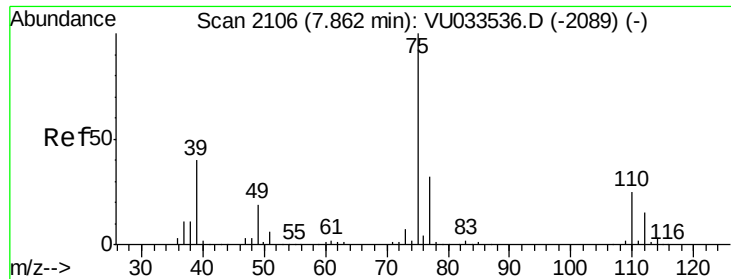
Tgt Ion: 43 Resp: 16294
 Ion Ratio Lower Upper
 43 100
 58 38.0 32.8 49.2
 100 13.6 12.9 19.3



#42
 Toluene
 Concen: 2.605 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion: 91 Resp: 24249
 Ion Ratio Lower Upper
 91 100
 92 57.7 40.2 74.6

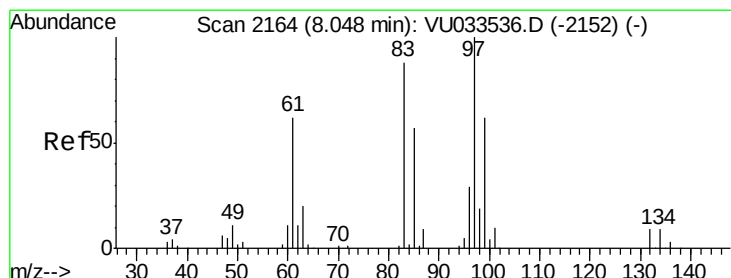
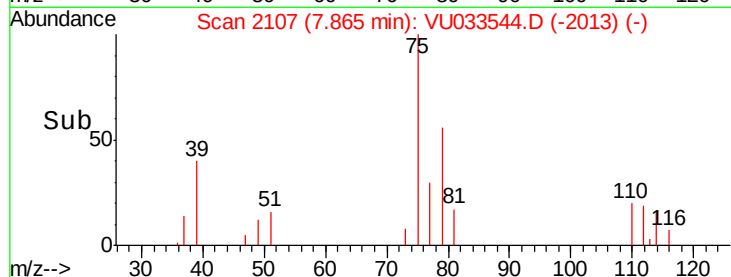
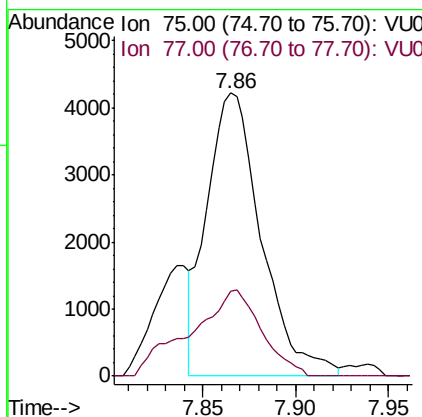
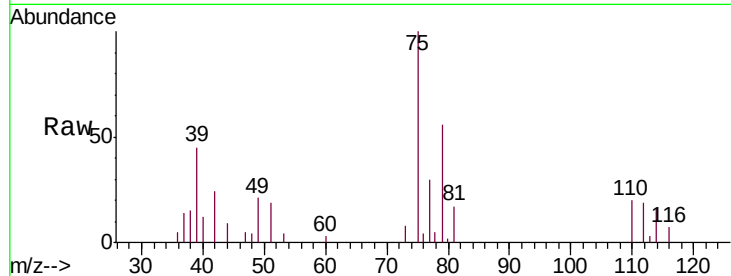




#44
trans-1,3-Dichloropropene
Concen: 2.635 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VU033544.D
Acq: 01 Aug 2019 12:26

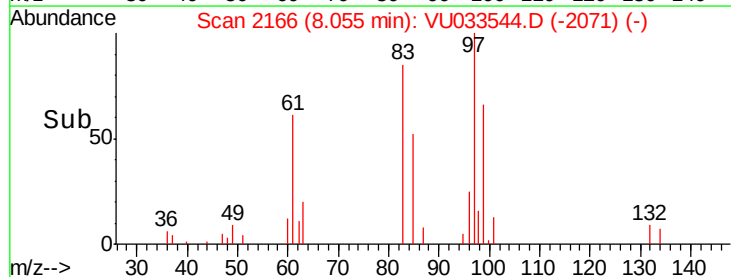
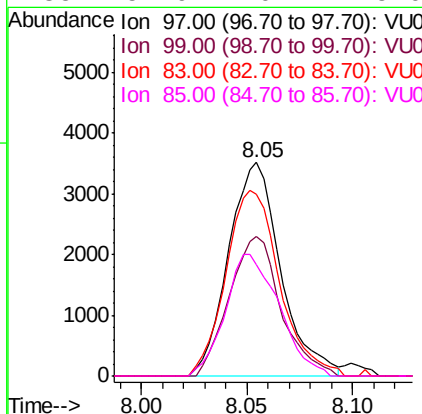
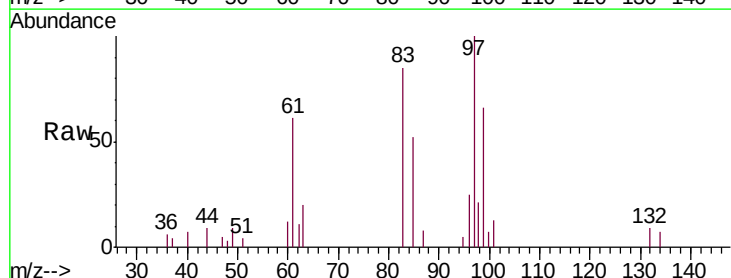
Instrument :
MSVOA_U
ClientSampleId :
MDL07

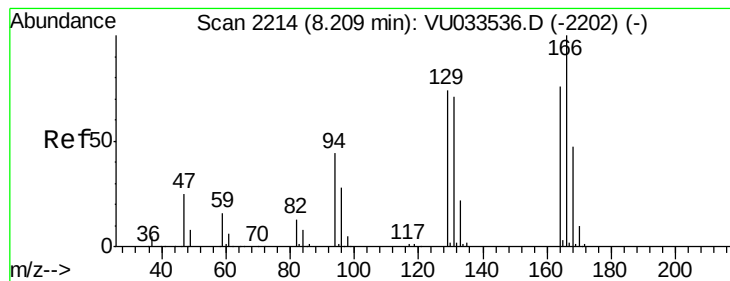
Tgt Ion: 75 Resp: 8612
Ion Ratio Lower Upper
75 100
77 29.9 22.7 42.1



#45
1,1,2-Trichloroethane
Concen: 2.751 ug/L
RT: 8.05 min Scan# 2166
Delta R.T. 0.01 min
Lab File: VU033544.D
Acq: 01 Aug 2019 12:26

Tgt Ion: 97 Resp: 6052
Ion Ratio Lower Upper
97 100
99 65.6 44.4 82.4
83 85.2 61.5 114.1
85 51.9 40.4 75.0





#46

Tetrachloroethene

Concen: 2.537 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tgt Ion: 164 Resp: 4729

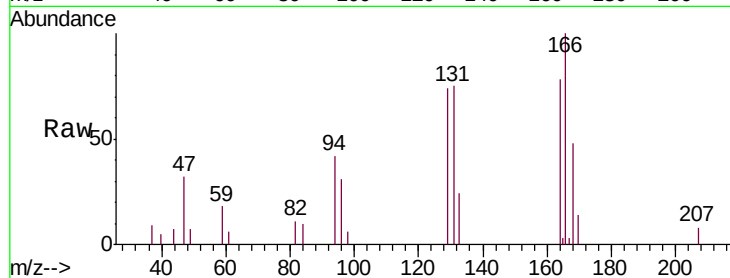
Ion Ratio Lower Upper

164 100

129 94.7 65.5 121.7

131 96.0 63.3 117.7

166 128.4 88.2 163.8

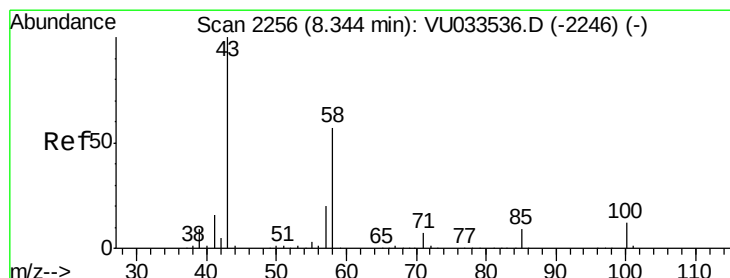
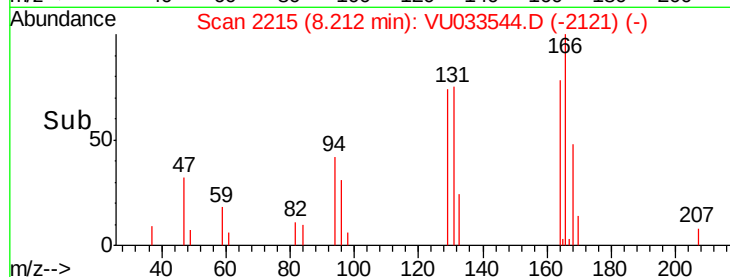
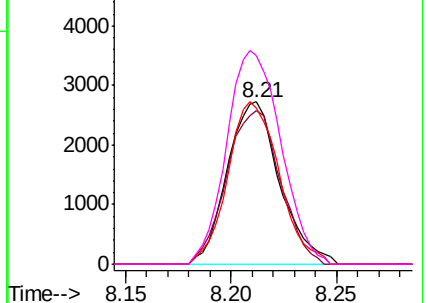


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 6.575 ug/L

RT: 8.35 min Scan# 2258

Delta R.T. 0.01 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Tgt Ion: 43 Resp: 17004

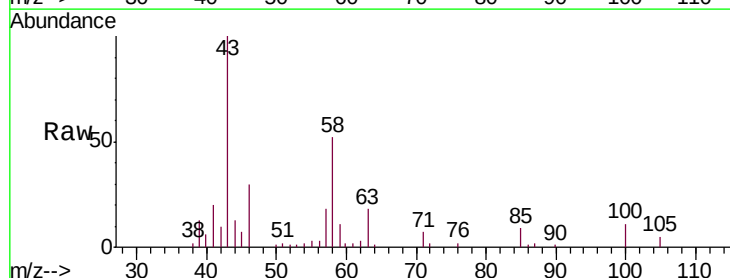
Ion Ratio Lower Upper

43 100

58 48.5 45.8 68.6

57 19.3 15.8 23.6

100 10.4 9.4 14.2

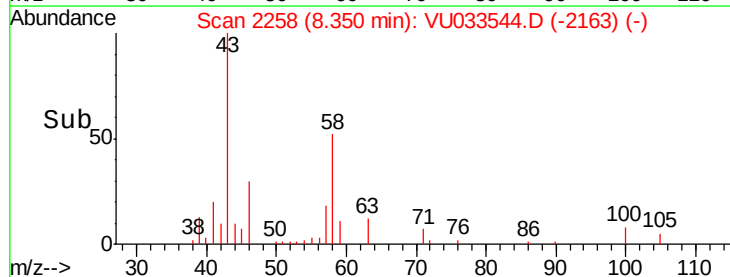
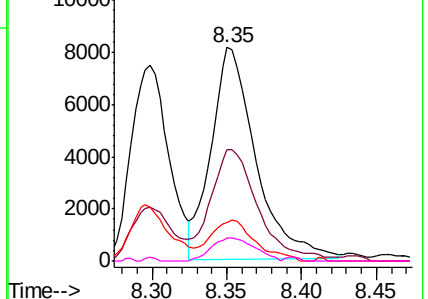


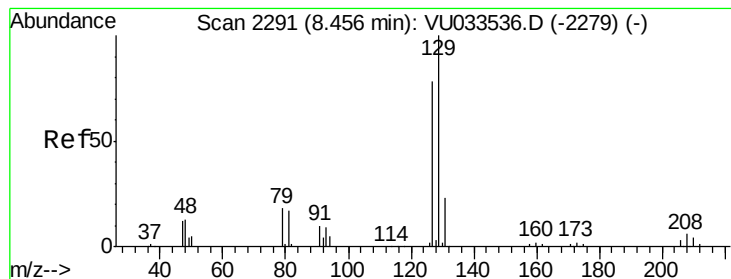
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 2.536 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

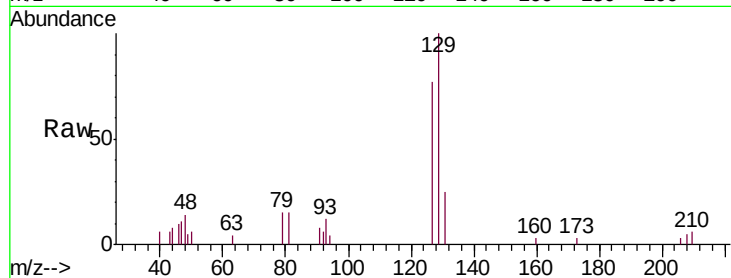
MDL07

Tgt Ion:129 Resp: 6348

Ion Ratio Lower Upper

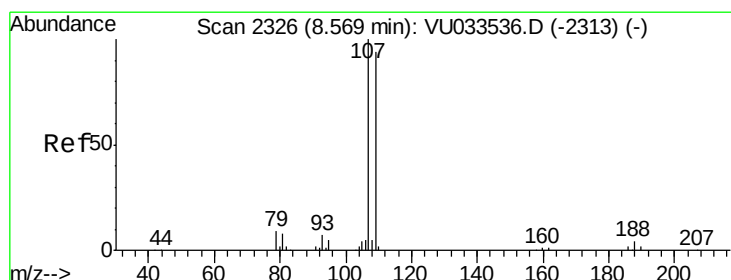
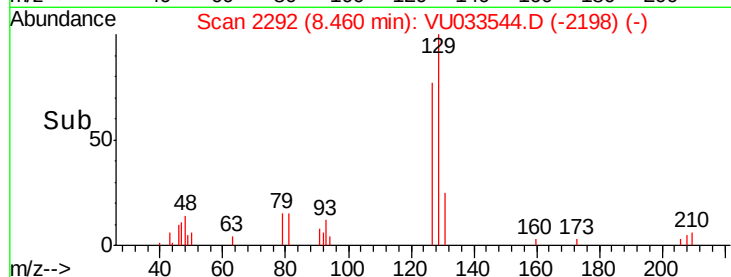
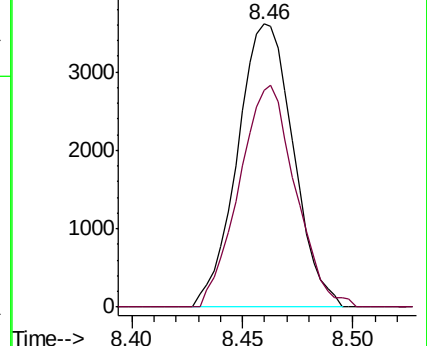
129 100

127 76.6 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.534 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

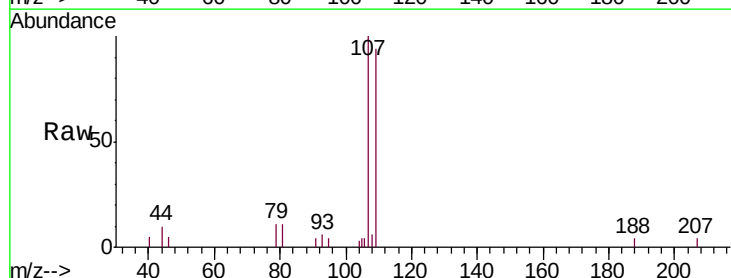
Tgt Ion:107 Resp: 6175

Ion Ratio Lower Upper

107 100

109 94.3 66.8 124.0

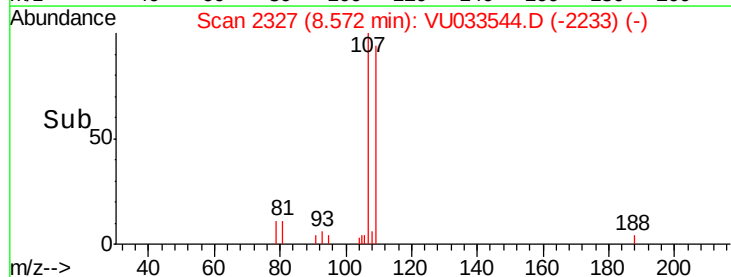
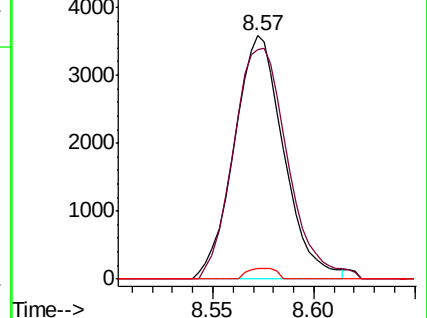
188 4.4 3.0 4.4

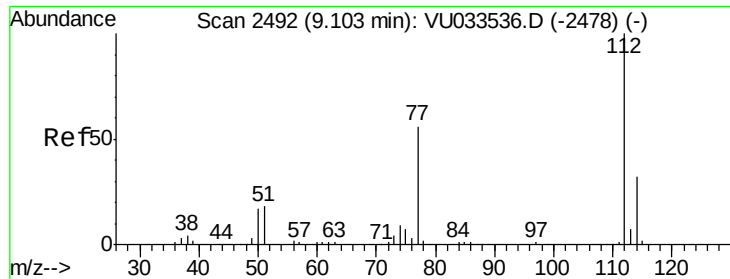


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.574 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

MDL07

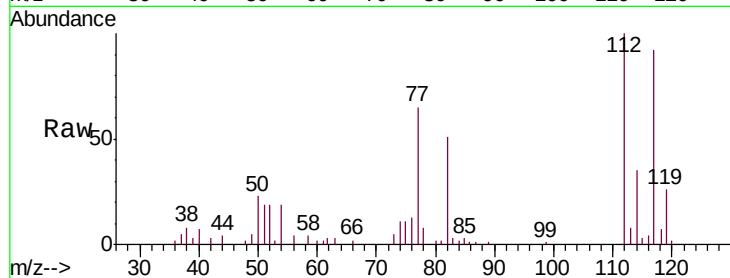
Tgt Ion: 112 Resp: 15687

Ion Ratio Lower Upper

112 100

114 35.5 22.3 41.5

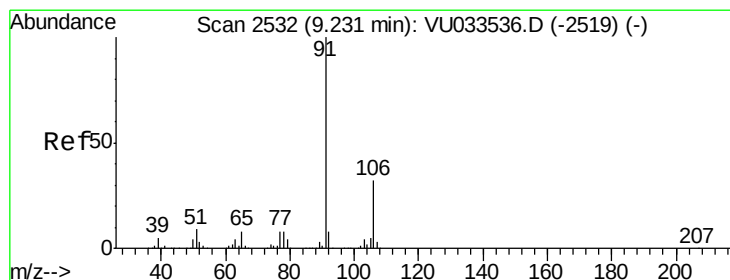
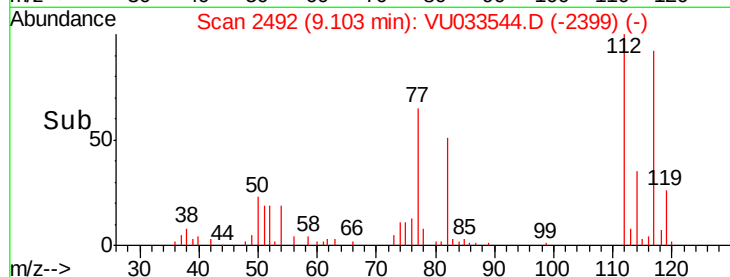
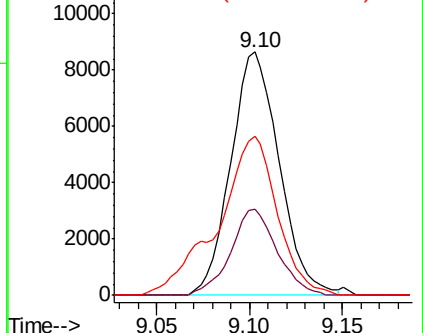
77 65.3 45.6 68.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#52

Ethylbenzene

Concen: 2.374 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033544.D

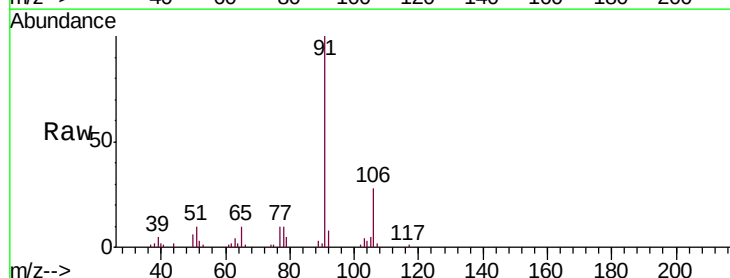
Acq: 01 Aug 2019 12:26

Tgt Ion: 91 Resp: 23792

Ion Ratio Lower Upper

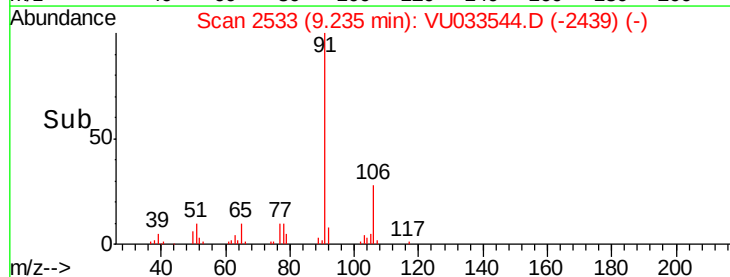
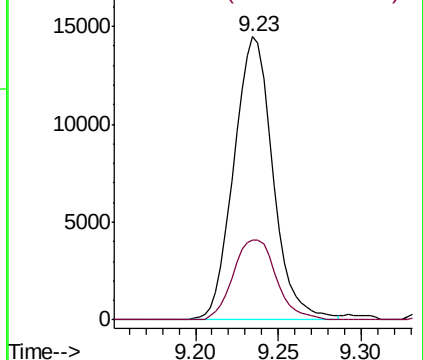
91 100

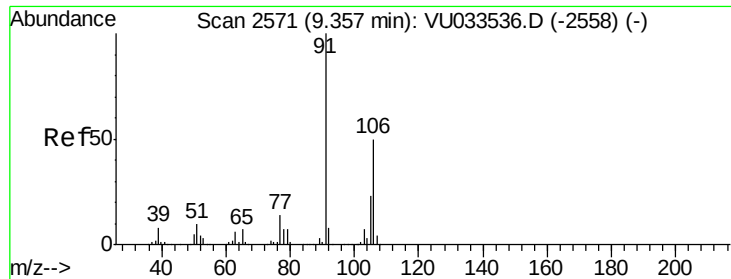
106 28.0 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 2.265 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

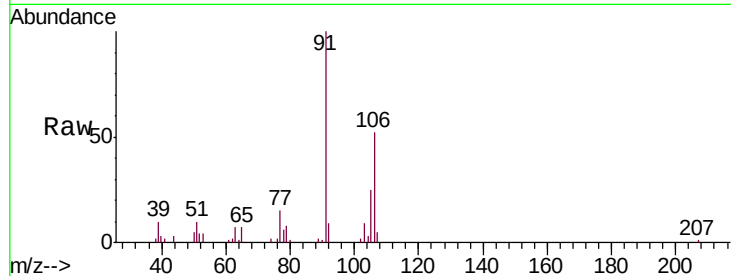
MDL07

Tgt Ion:106 Resp: 8714

Ion Ratio Lower Upper

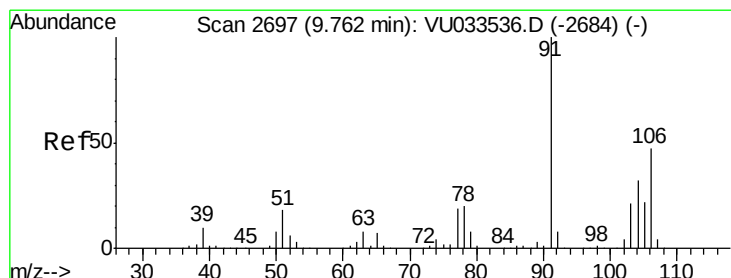
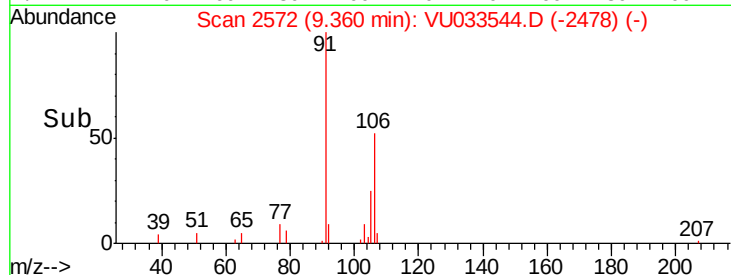
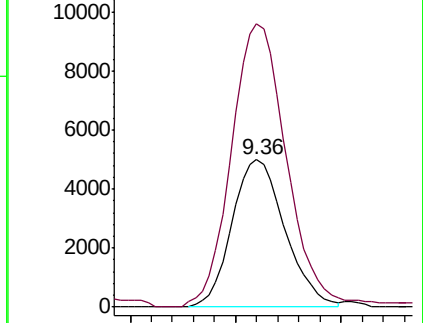
106 100

91 192.1 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 2.193 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033544.D

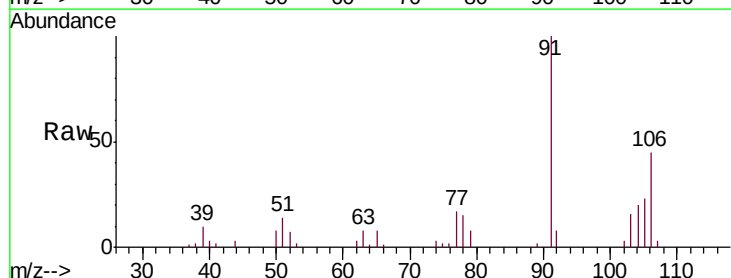
Acq: 01 Aug 2019 12:26

Tgt Ion:106 Resp: 8186

Ion Ratio Lower Upper

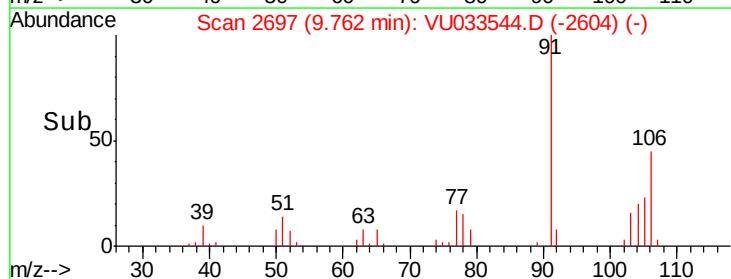
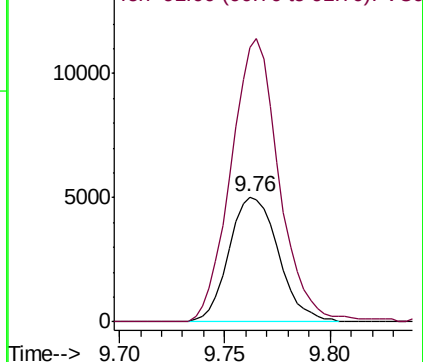
106 100

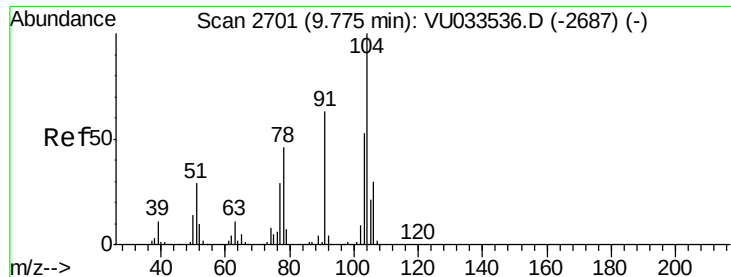
91 220.5 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 2.150 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

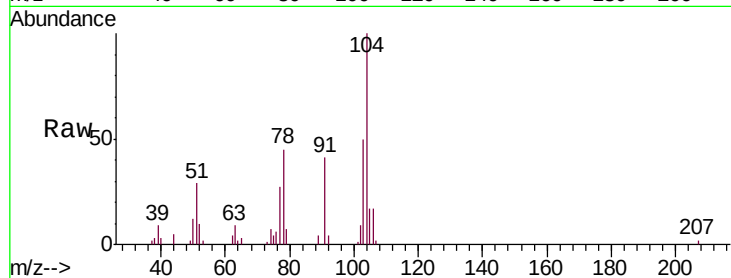
MDL07

Tgt Ion:104 Resp: 13630

Ion Ratio Lower Upper

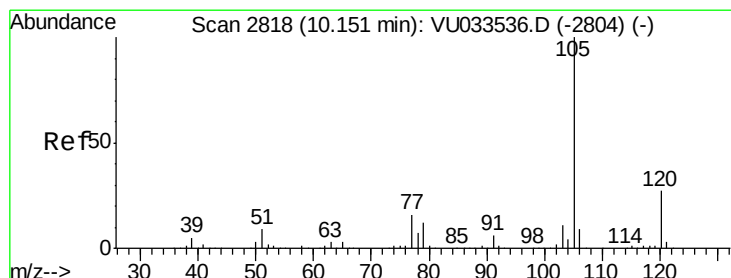
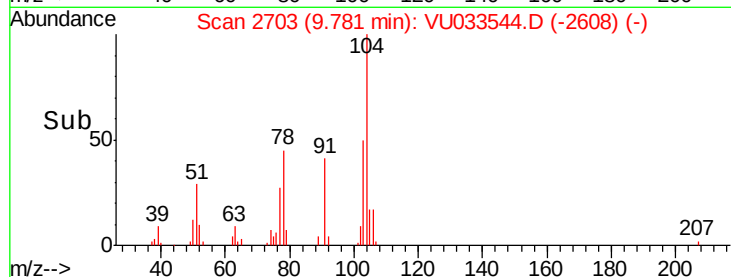
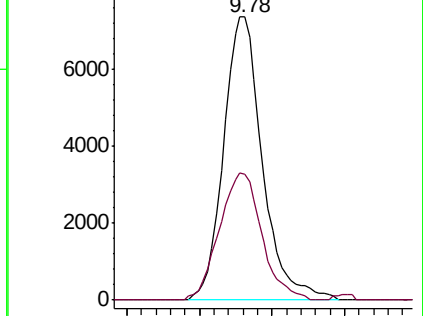
104 100

78 44.6 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 2.168 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

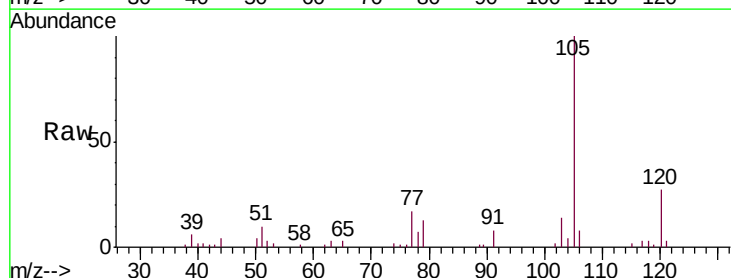
Tgt Ion:105 Resp: 21147

Ion Ratio Lower Upper

105 100

120 25.8 21.4 32.0

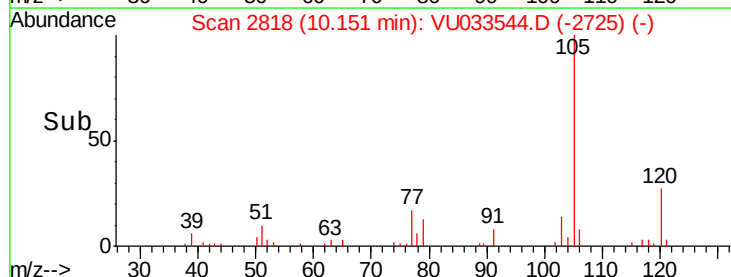
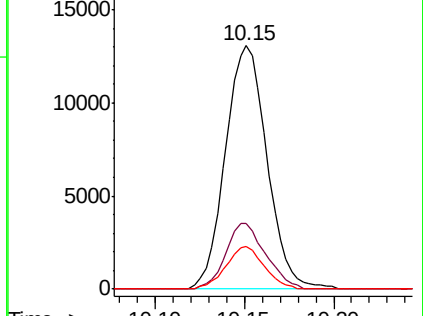
77 16.0 12.5 18.7

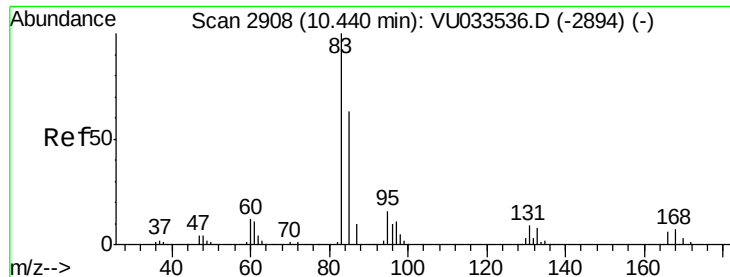


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.002 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033544.D

Acq: 01 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

MDL07

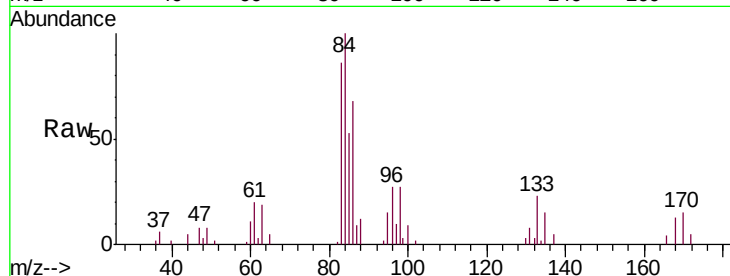
Tgt Ion: 83 Resp: 11910

Ion Ratio Lower Upper

83 100

85 61.2 45.4 84.4

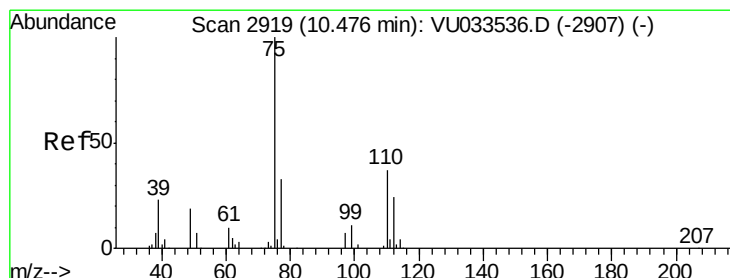
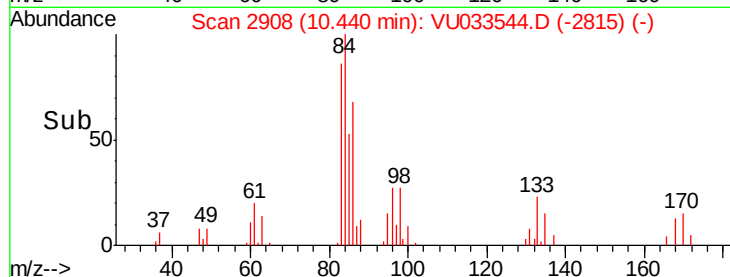
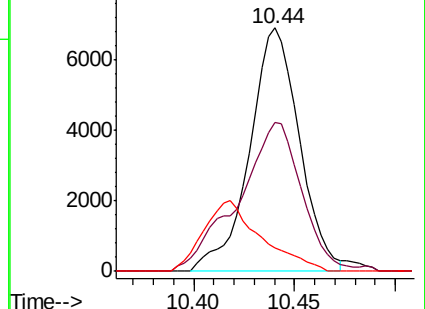
131 9.7 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VU033536.D (-2894) (-)

Ion 85.00 (84.70 to 85.70): VU033536.D (-2894) (-)

Ion 131.00 (130.70 to 131.70): VU033536.D (-2894) (-)



#59

1,2,3-Trichloropropane

Concen: 2.606 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033544.D

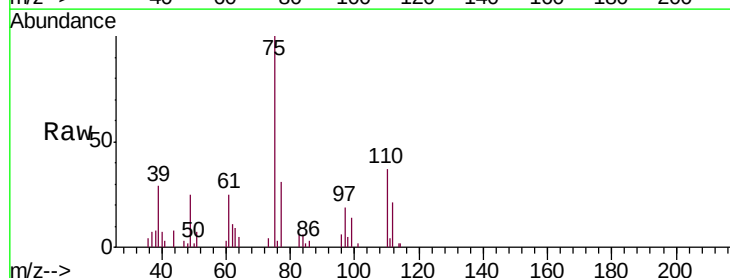
Acq: 01 Aug 2019 12:26

Tgt Ion: 75 Resp: 7971

Ion Ratio Lower Upper

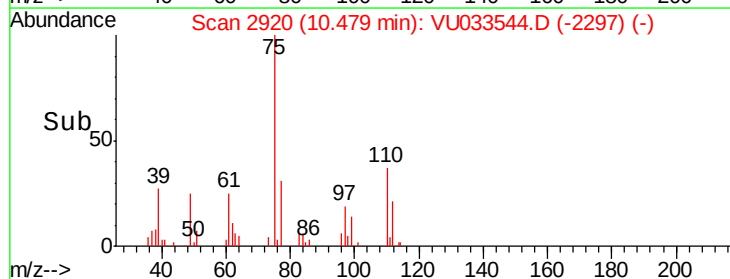
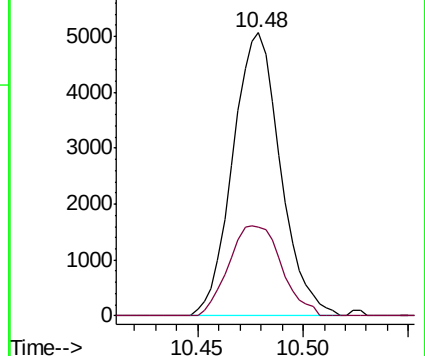
75 100

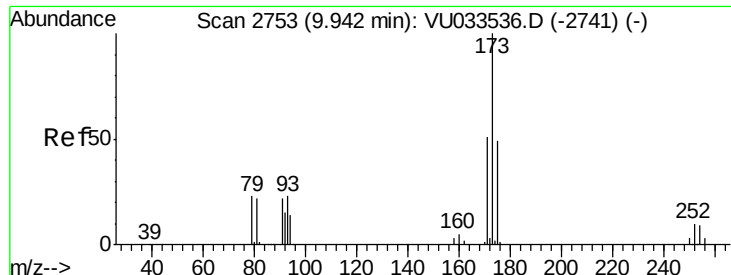
77 35.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU033536.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033536.D (-2907) (-)

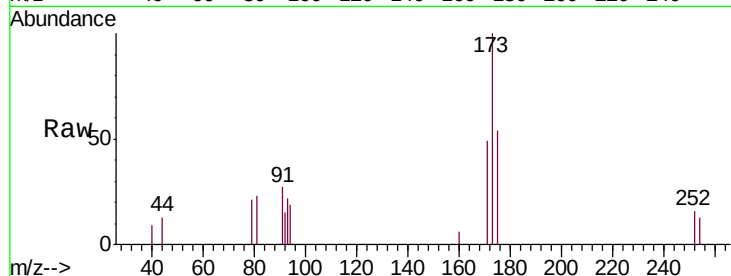




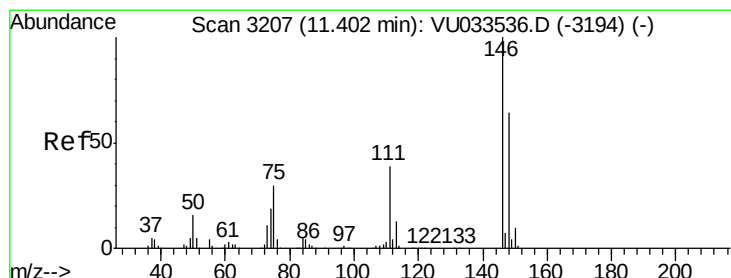
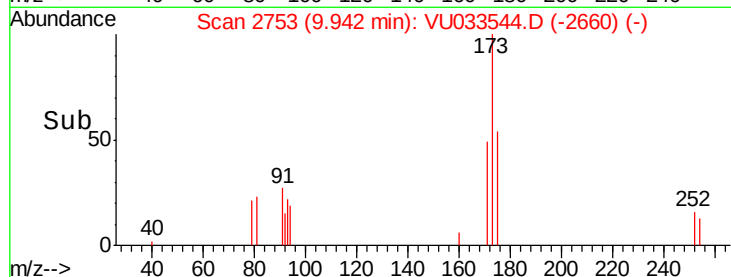
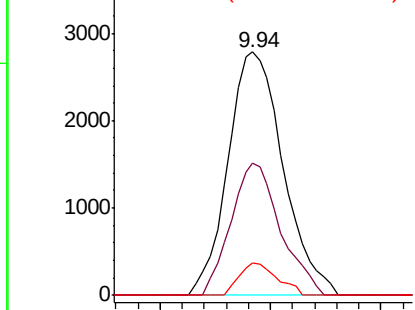
#61
Bromoform
Concen: 2.748 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU033544.D
Acq: 01 Aug 2019 12:26

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion:173 Resp: 4849
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 9.1 7.5 11.3

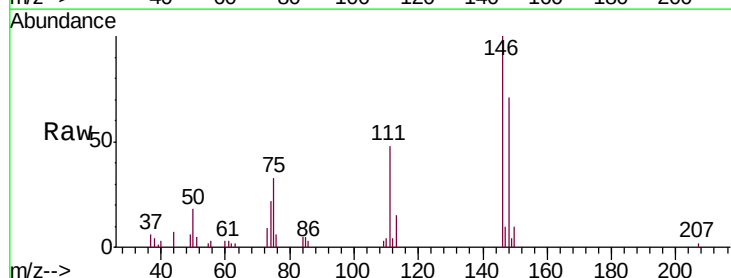


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

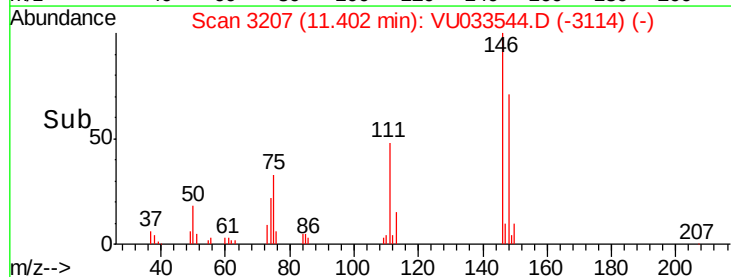
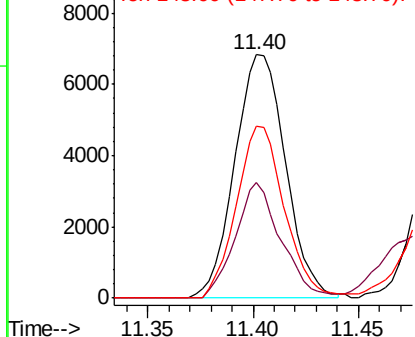


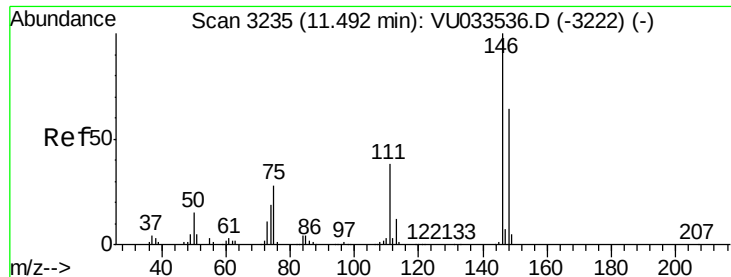
#62
1,3-Dichlorobenzene
Concen: 2.550 ug/L
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033544.D
Acq: 01 Aug 2019 12:26

Tgt Ion:146 Resp: 11438
Ion Ratio Lower Upper
146 100
111 47.6 28.1 52.1
148 70.5 45.0 83.6



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

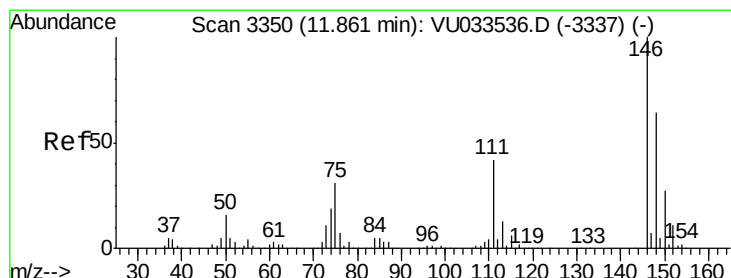
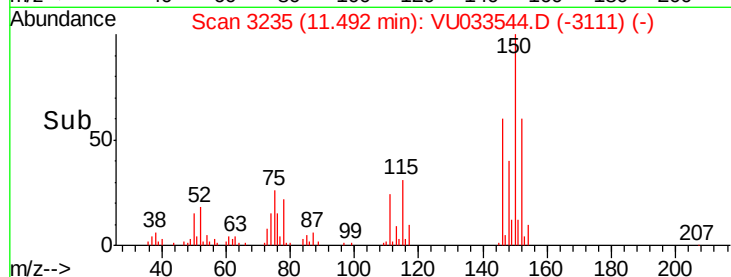
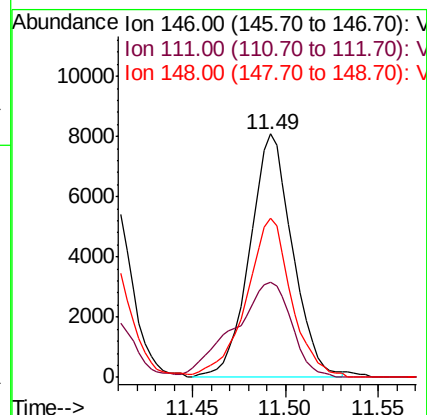
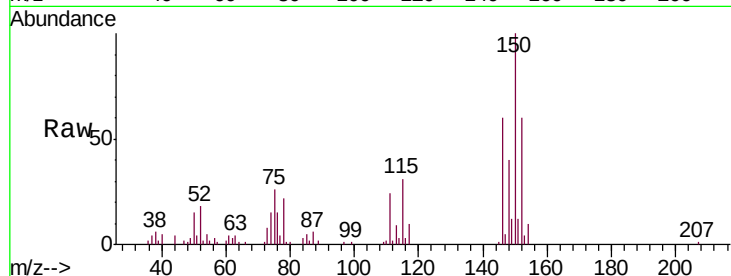




#63
 1,4-Dichlorobenzene
 Concen: 2.777 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

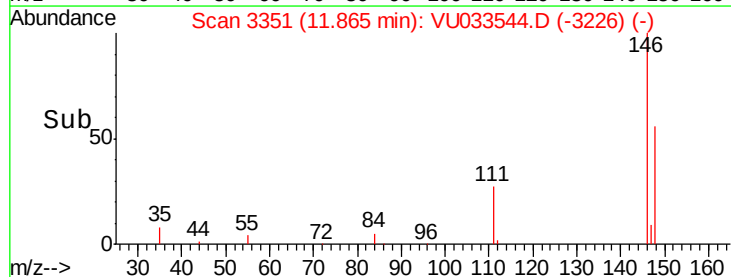
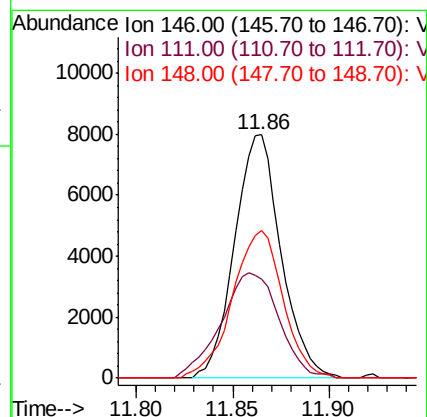
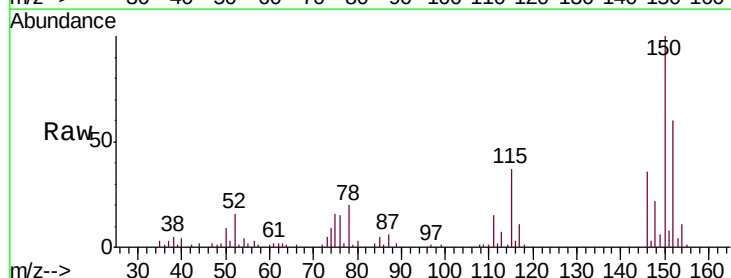
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

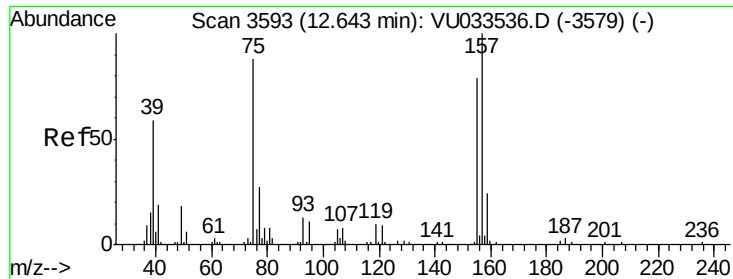
Tgt Ion:146 Resp: 12944
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.2 50.4
 148 65.6 44.5 82.7



#65
 1,2-Dichlorobenzene
 Concen: 2.946 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion:146 Resp: 13360
 Ion Ratio Lower Upper
 146 100
 111 40.6 31.7 47.5
 148 60.9 50.3 75.5

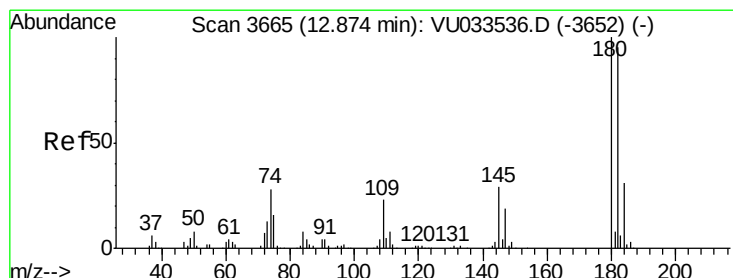
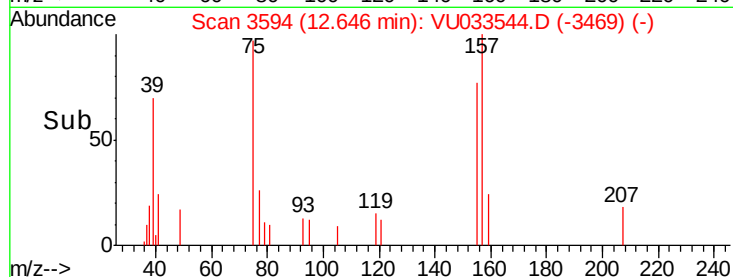
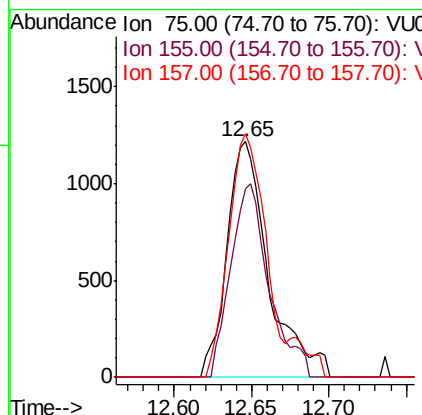
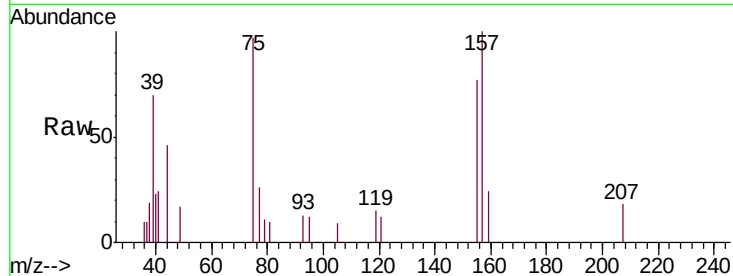




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.703 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

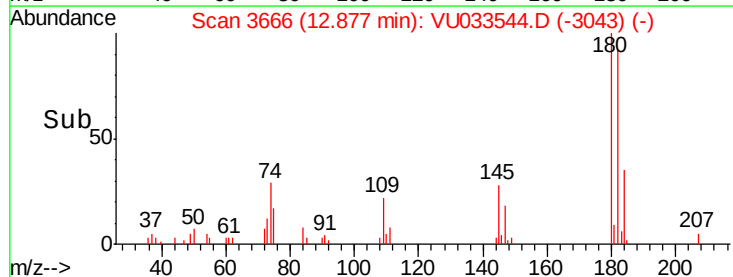
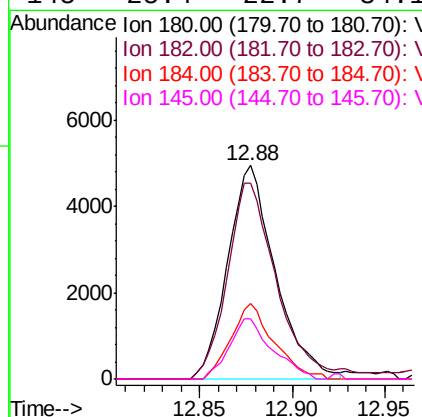
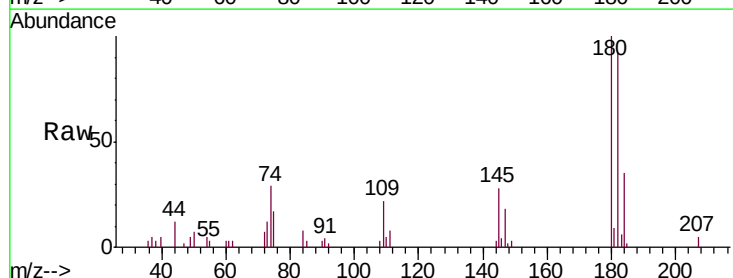
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

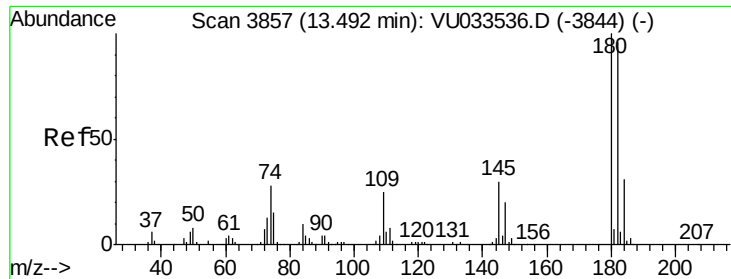
Tgt Ion: 75 Resp: 2265
 Ion Ratio Lower Upper
 75 100
 155 79.8 69.4 104.0
 157 103.3 91.8 137.8



#67
 1,3,5-Trichlorobenzene
 Concen: 2.436 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion: 180 Resp: 8816
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.6 113.4
 184 31.7 24.2 36.2
 145 25.4 22.7 34.1

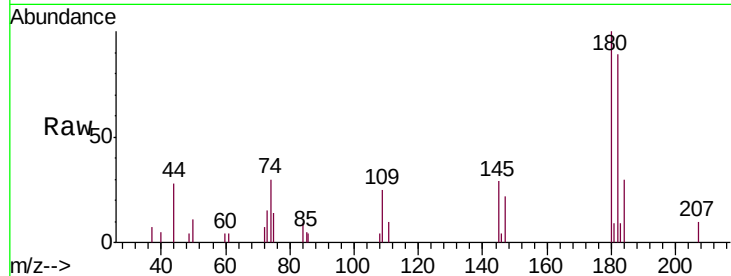




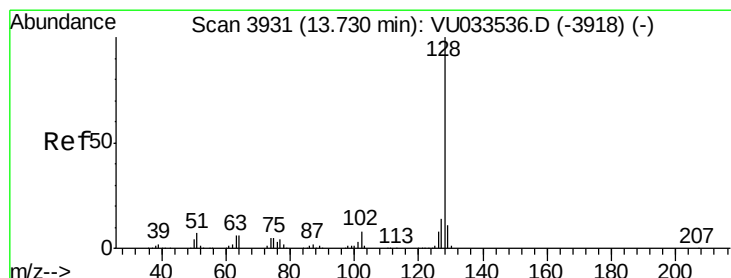
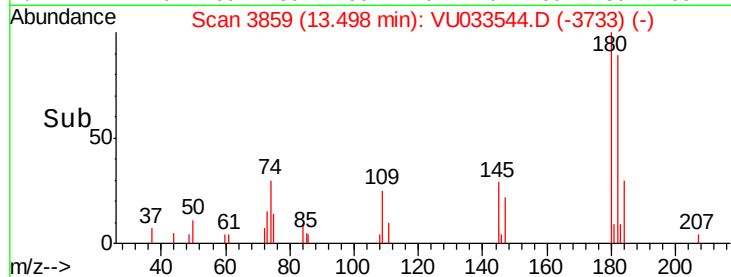
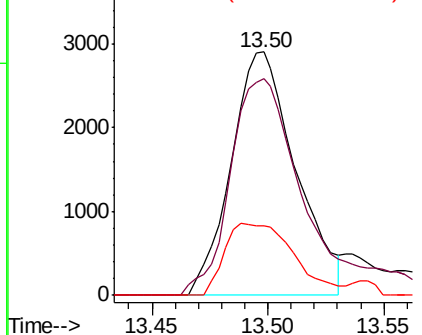
#68
 1,2,4-trichlorobenzene
 Concen: 1.821 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:180 Resp: 5631
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.8 113.8
 145 31.4 24.3 36.5

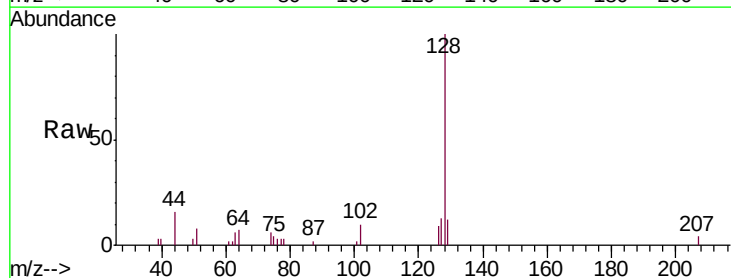


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

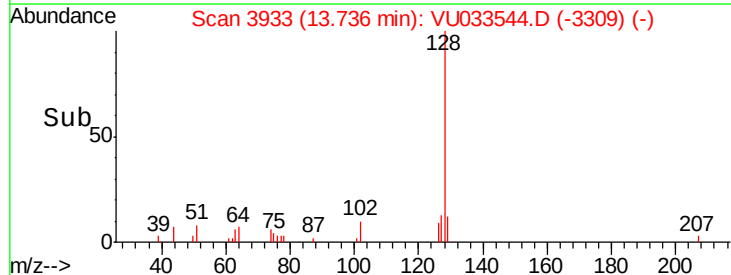
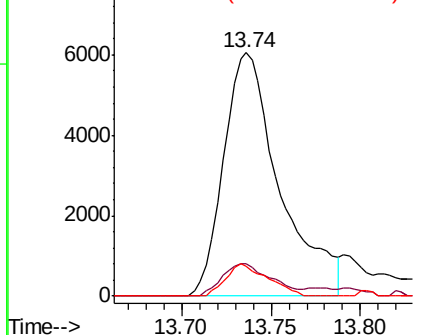


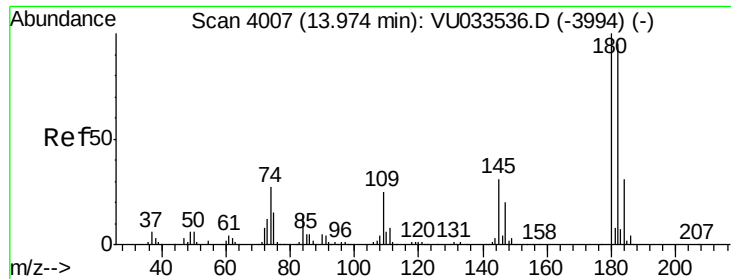
#69
 Naphthalene
 Concen: 1.493 ug/L
 RT: 13.74 min Scan# 3933
 Delta R.T. 0.01 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Tgt Ion:128 Resp: 13245
 Ion Ratio Lower Upper
 128 100
 127 11.4 10.8 16.2
 129 9.9 8.7 13.1



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

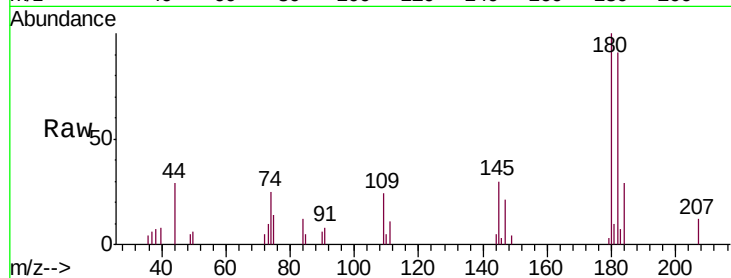




#70
 1,2,3-Trichlorobenzene
 Concen: 2.182 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.01 min
 Lab File: VU033544.D
 Acq: 01 Aug 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.3	75.5	113.3
145	25.3	24.4	36.6



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

