

Data File : VU033543.D
Acq On : 01 Aug 2019 12:03
Operator : JC/SP
Sample : MDL06
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Quant Time: Aug 02 01:54:47 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	300883	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	301654	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	147064	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	99457	45.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.92%
7) Chloroethane-d5	1.67	69	89652	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.54%
11) 1,1-Dichloroethene-d2	2.26	63	138336	34.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.68%
21) 2-Butanone-d5	4.15	46	168060	115.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.99%
24) Chloroform-d	4.62	84	188969	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.06%
26) 1,2-Dichloroethane-d4	5.28	65	124662	53.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.36%
32) Benzene-d6	5.32	84	383188	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
36) 1,2-Dichloropropane-d6	6.31	67	124589	53.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.30%
41) Toluene-d8	7.55	98	343995	49.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.18%
43) trans-1,3-Dichloropropene-	7.83	79	55943	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.22%
47) 2-Hexanone-d5	8.29	63	117766	105.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.81%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	187890	51.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	142959	53.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7275	2.564 ug/L	98
3) Chloromethane	1.32	50	8230	2.880 ug/L	97
5) Vinyl chloride	1.39	62	8529	2.784 ug/L #	71
6) Bromomethane	1.62	94	5618	2.078 ug/L	96
8) Chloroethane	1.69	64	5350	2.874 ug/L	90
9) Trichlorofluoromethane	1.87	101	10988	2.742 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6490	3.194 ug/L #	86
12) 1,1-Dichloroethene	2.27	96	6014	3.087 ug/L #	1
13) Acetone	2.31	43	7839	5.288 ug/L	99
14) Carbon disulfide	2.46	76	15363	2.514 ug/L	97
15) Methyl Acetate	2.60	43	6313	2.675 ug/L	99
16) Methylene chloride	2.68	84	6645	2.986 ug/L	85
17) trans-1,2-Dichloroethene	2.96	96	5306	2.599 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	15925	2.558 ug/L	99
19) 1,1-Dichloroethane	3.42	63	10291	2.686 ug/L	94
20) cis-1,2-Dichloroethene	4.21	96	6482	2.829 ug/L	89
23) Bromochloromethane	4.53	128	3108	2.600 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	14451	3.584	ug/L	99
27) 1,2-Dichloroethane	5.39	62	8783	2.829	ug/L	97
29) Cyclohexane	4.97	56	7576	2.302	ug/L #	91
30) 1,1,1-Trichloroethane	4.88	97	4680	1.348	ug/L #	38
33) Benzene	5.37	78	22991	2.642	ug/L	100
34) Trichloroethene	6.17	95	6423	2.798	ug/L	90
35) Methylcyclohexane	6.39	83	8242	2.301	ug/L	98
37) 1,2-Dichloropropane	6.41	63	6523	2.800	ug/L #	95
38) Bromodichloromethane	6.74	83	7987	2.652	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	8518	2.343	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	15609	4.853	ug/L	95
42) Toluene	7.62	91	25282	2.702	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	8525	2.595	ug/L	89
45) 1,1,2-Trichloroethane	8.05	97	5880	2.659	ug/L	96
46) Tetrachloroethene	8.21	164	4590	2.449	ug/L	95
48) 2-Hexanone	8.35	43	16400	6.309	ug/L #	91
49) Dibromochloromethane	8.46	129	6822	2.712	ug/L	92
50) 1,2-Dibromoethane	8.57	107	6340	2.588	ug/L #	93
51) Chlorobenzene	9.10	112	15679	2.559	ug/L	98
52) Ethylbenzene	9.23	91	23261	2.309	ug/L	97
53) m,p-Xylene	9.36	106	8720	2.254	ug/L	97
54) o-xylene	9.76	106	8637	2.302	ug/L	91
55) Styrene	9.78	104	12986	2.038	ug/L	97
56) Isopropylbenzene	10.15	105	21267	2.169	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	11599	2.908	ug/L #	96
59) 1,2,3-Trichloropropane	10.48	75	8561	2.784	ug/L	100
61) Bromoform	9.94	173	4816	2.711	ug/L #	98
62) 1,3-Dichlorobenzene	11.40	146	11445	2.534	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	12984	2.767	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	12739	2.790	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.64	75	2064	2.446	ug/L	90
67) 1,3,5-Trichlorobenzene	12.88	180	8176	2.244	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	6139	1.972	ug/L	96
69) Naphthalene	13.74	128	12746	1.427	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	6491	1.982	ug/L	97

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

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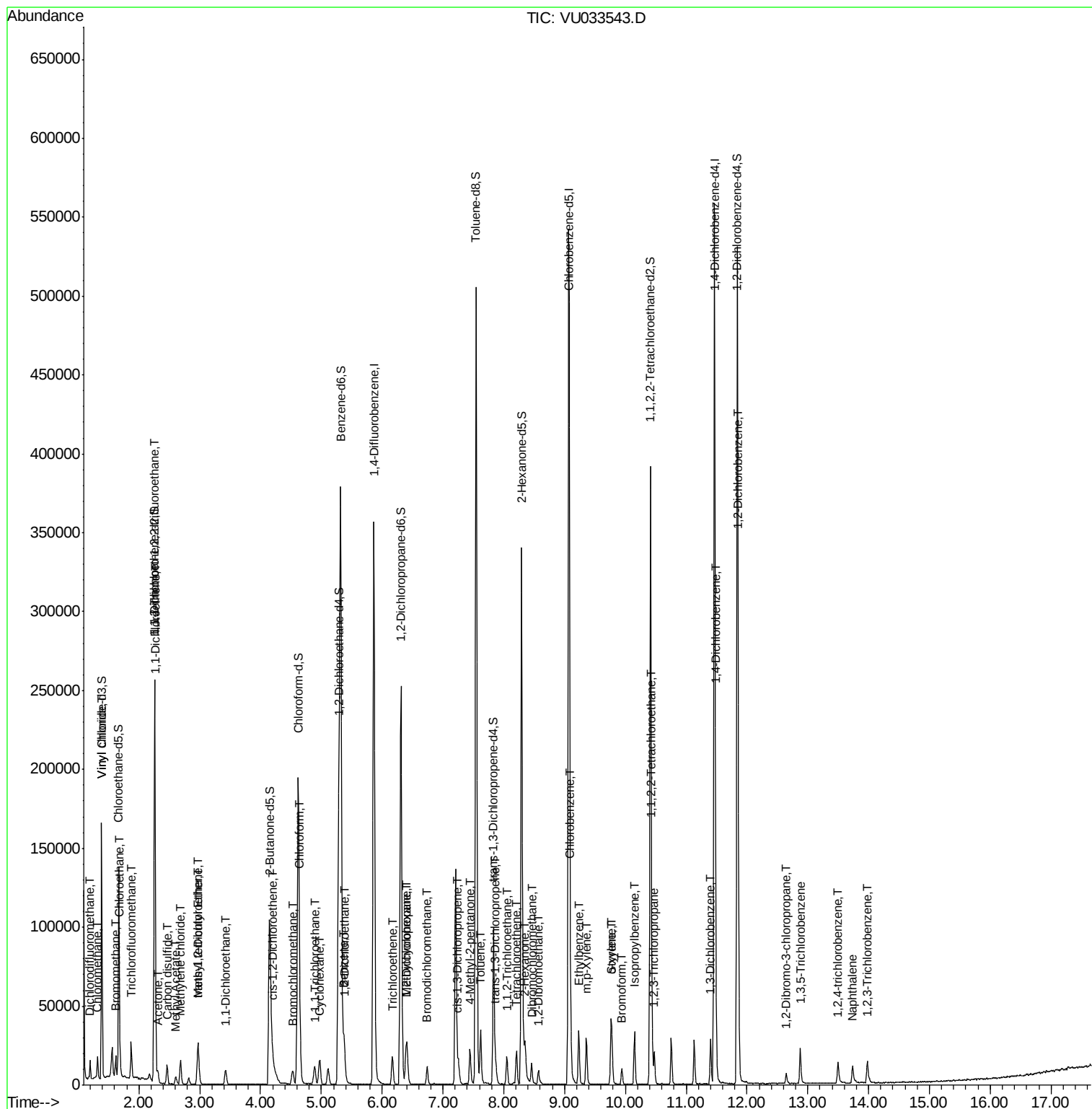
Quant Time: Aug 02 01:54:47 2019

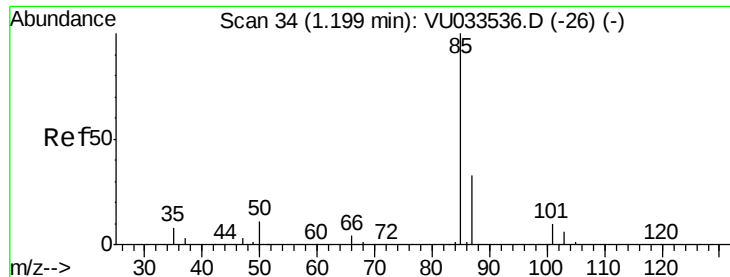
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM073119WMA.M

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#2

Dichlorodifluoromethane

Concen: 2.564 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

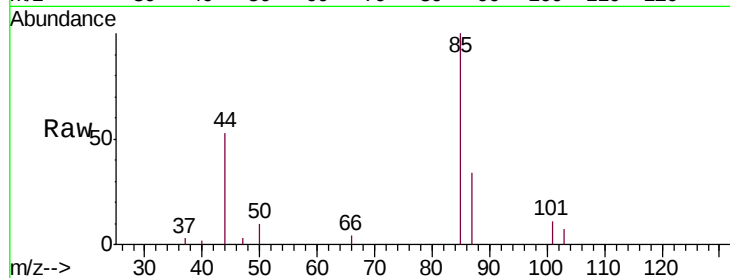
MDL06

Tgt Ion: 85 Resp: 7275

Ion Ratio Lower Upper

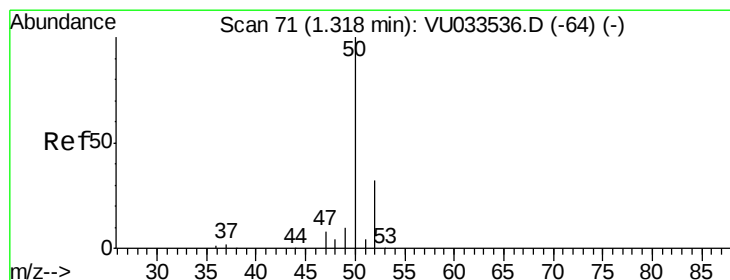
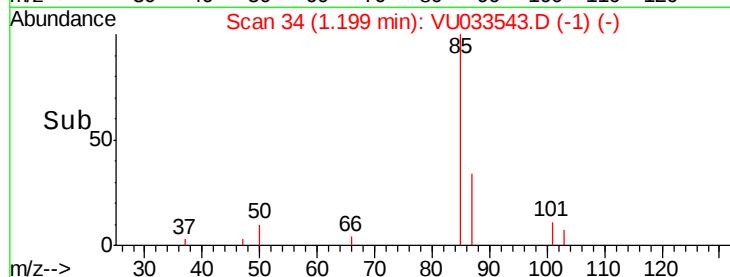
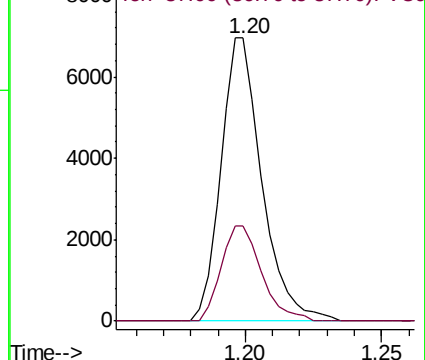
85 100

87 33.2 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033536.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033536.D (-26) (-)



#3

Chloromethane

Concen: 2.880 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033543.D

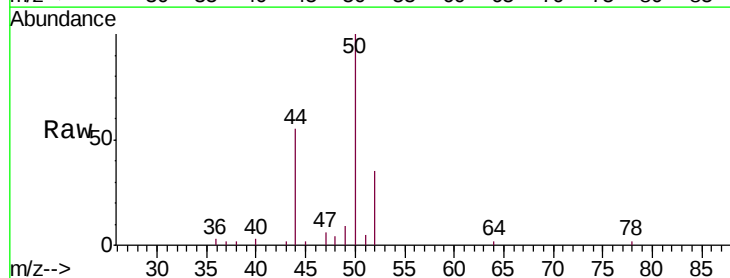
Acq: 01 Aug 2019 12:03

Tgt Ion: 50 Resp: 8230

Ion Ratio Lower Upper

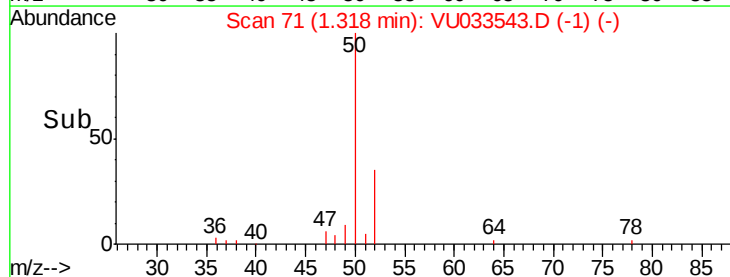
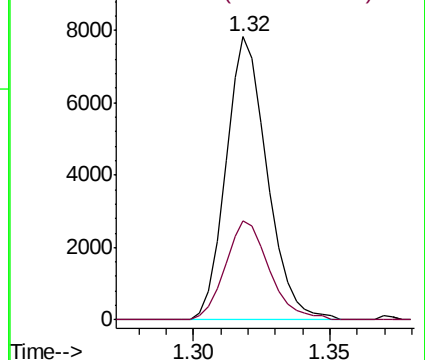
50 100

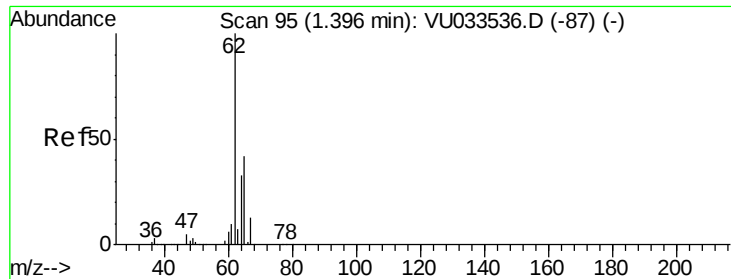
52 34.9 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033536.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033536.D (-64) (-)





#5

Vinyl chloride

Concen: 2.784 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

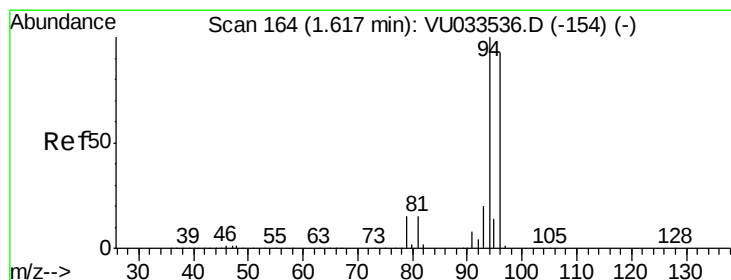
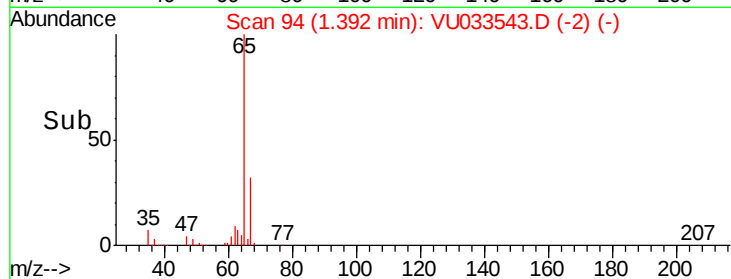
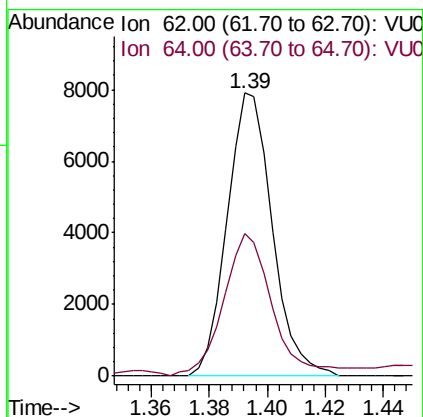
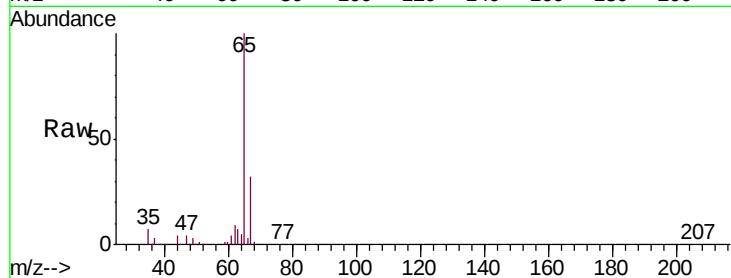
MDL06

Tgt Ion: 62 Resp: 8529

Ion Ratio Lower Upper

62 100

64 50.2 23.4 43.4#



#6

Bromomethane

Concen: 2.078 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033543.D

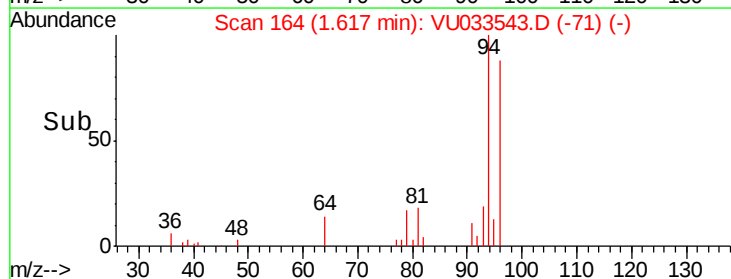
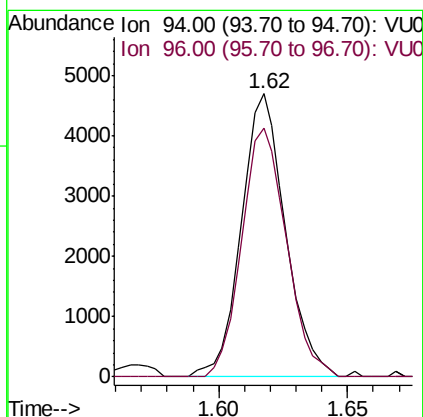
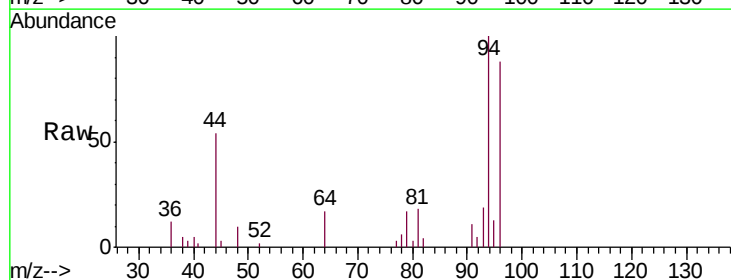
Acq: 01 Aug 2019 12:03

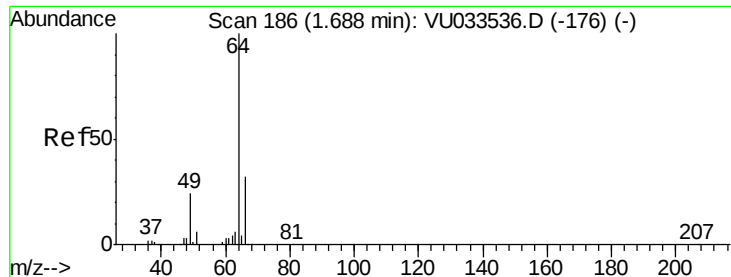
Tgt Ion: 94 Resp: 5618

Ion Ratio Lower Upper

94 100

96 88.1 64.4 119.6





#8

Chloroethane

Concen: 2.874 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampled :

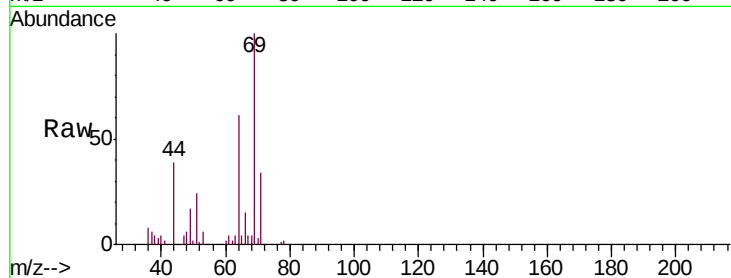
MDL06

Tgt Ion: 64 Resp: 5350

Ion Ratio Lower Upper

64 100

66 24.6 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

5000

4000

3000

2000

1000

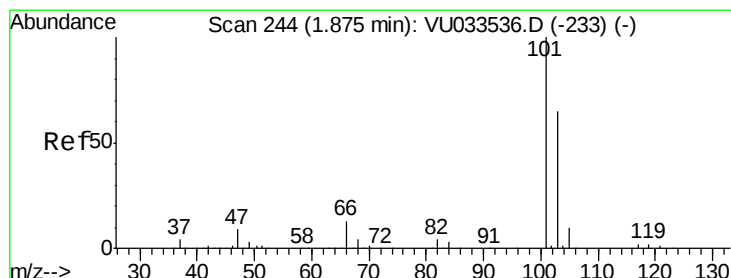
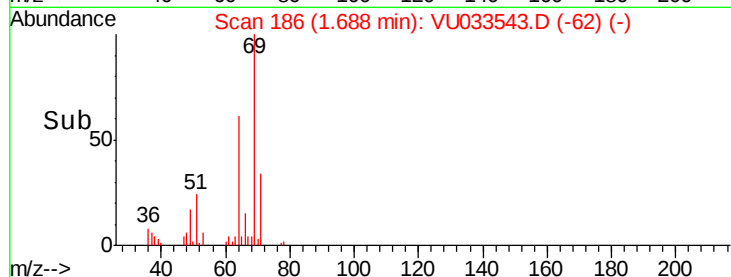
0

1.65

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 2.742 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033543.D

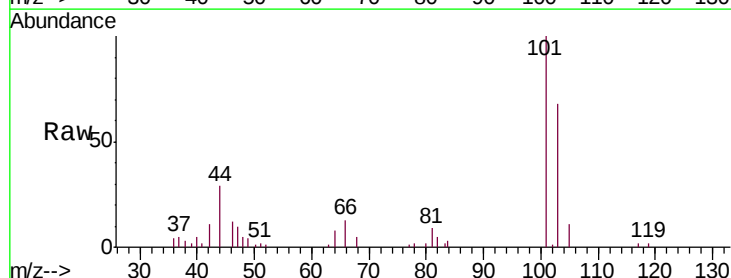
Acq: 01 Aug 2019 12:03

Tgt Ion: 101 Resp: 10988

Ion Ratio Lower Upper

101 100

103 66.2 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

8000

6000

4000

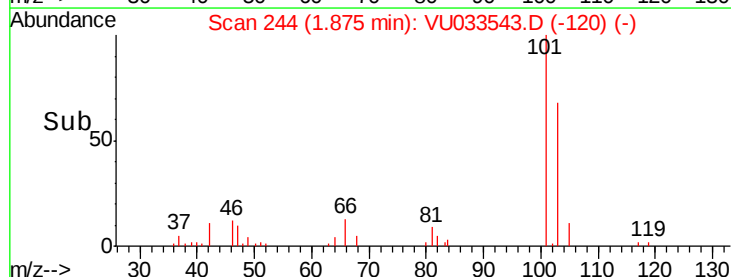
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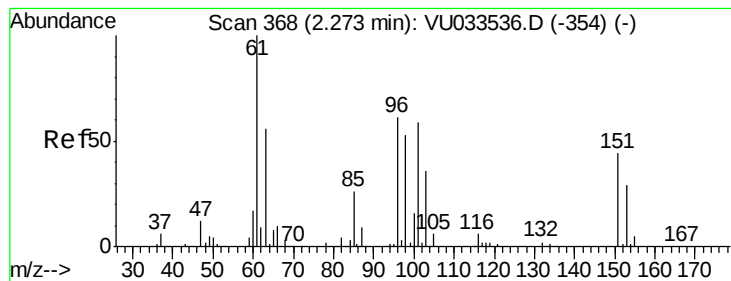
0

1.85

1.90

Time-->





#10

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

Concen: 3.194 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampled :

MDL06

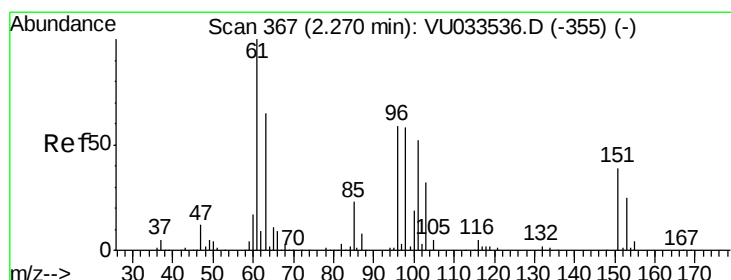
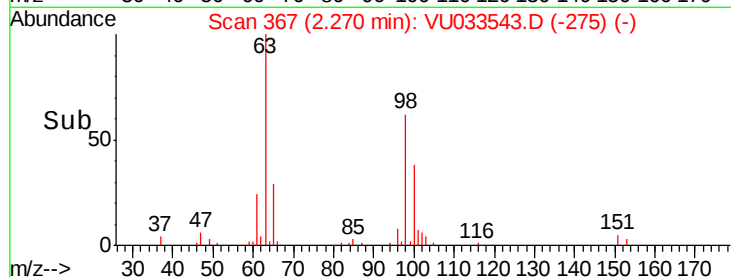
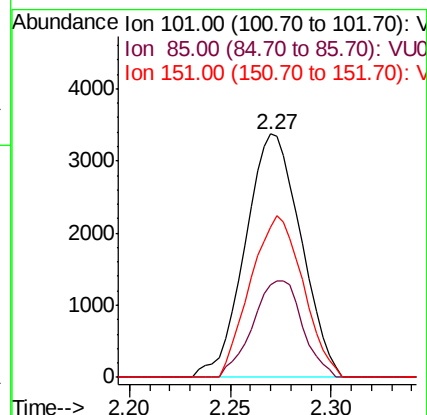
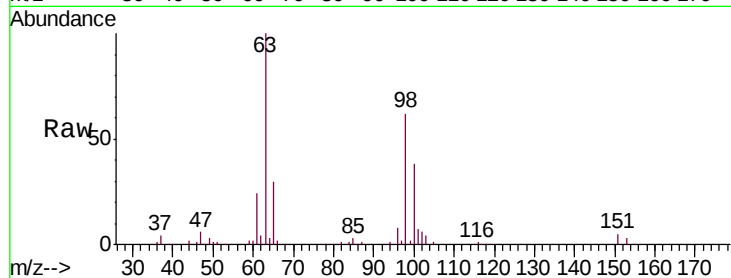
Tgt Ion:101 Resp: 6490

Ion Ratio Lower Upper

101 100

85 35.4 35.8 53.8#

151 62.9 60.1 90.1



#12

1,1-Dichloroethene

Concen: 3.087 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

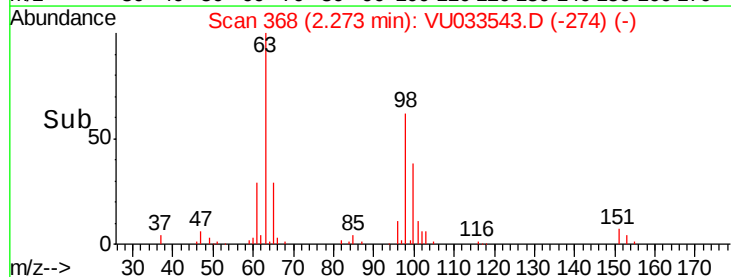
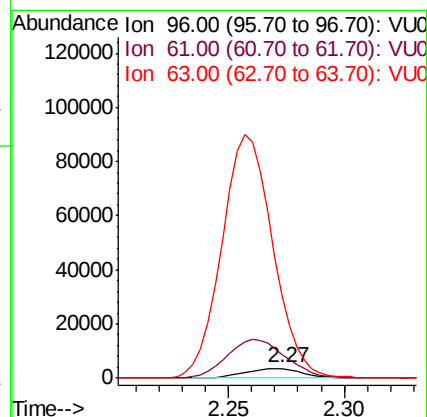
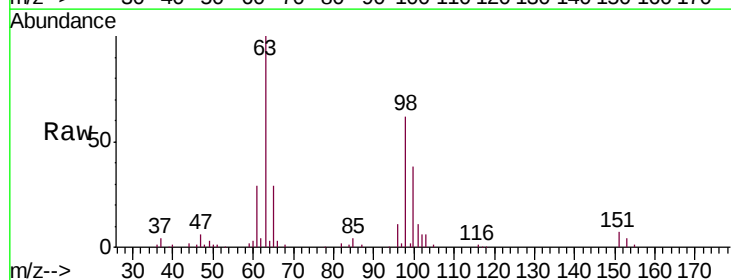
Tgt Ion: 96 Resp: 6014

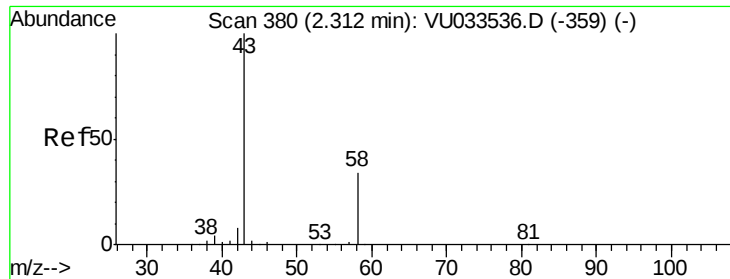
Ion Ratio Lower Upper

96 100

61 256.4 119.3 221.5#

63 881.5 86.6 160.8#





#13

Acetone

Concen: 5.288 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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ClientSampleId :

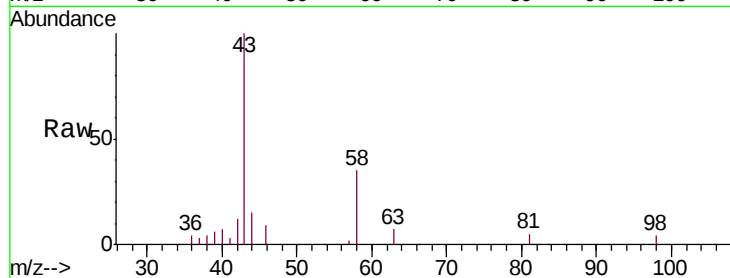
MDL06

Tgt Ion: 43 Resp: 7839

Ion Ratio Lower Upper

43 100

58 33.4 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU033536.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU033536.D (-359) (-)

2.31

4000

3000

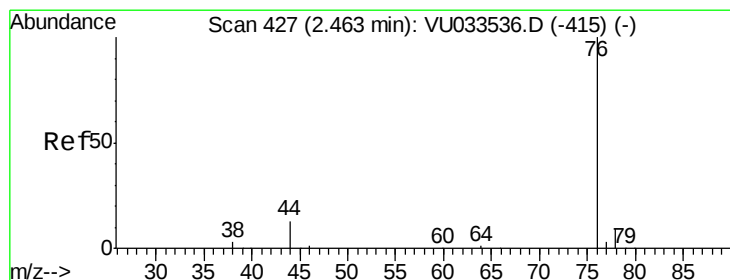
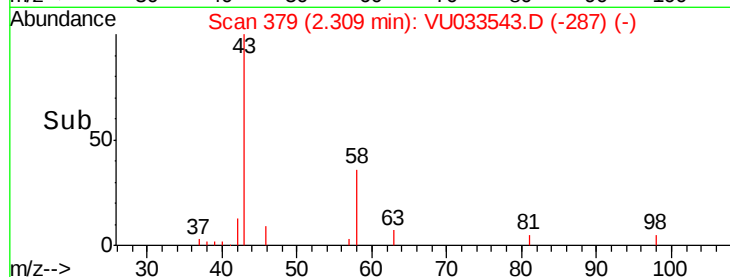
2000

1000

0

Time-->

2.25 2.30 2.35



#14

Carbon disulfide

Concen: 2.514 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033543.D

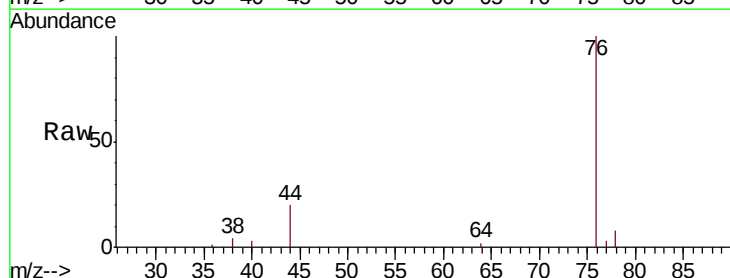
Acq: 01 Aug 2019 12:03

Tgt Ion: 76 Resp: 15363

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033536.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU033536.D (-415) (-)

2.46

10000

8000

6000

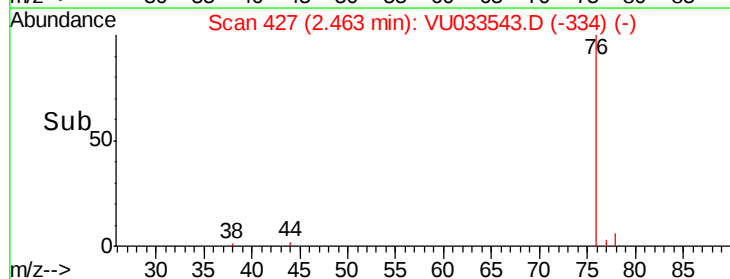
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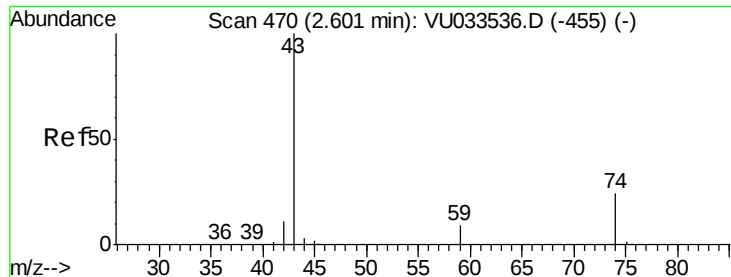
2000

0

Time-->

2.40 2.45 2.50

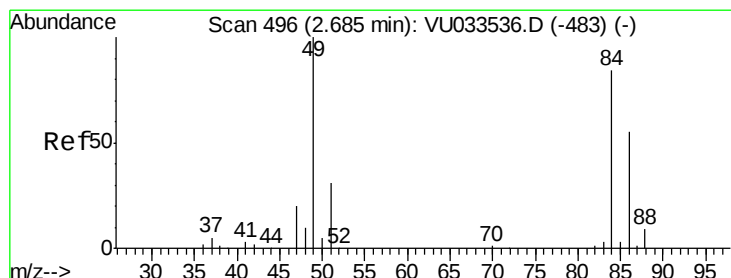
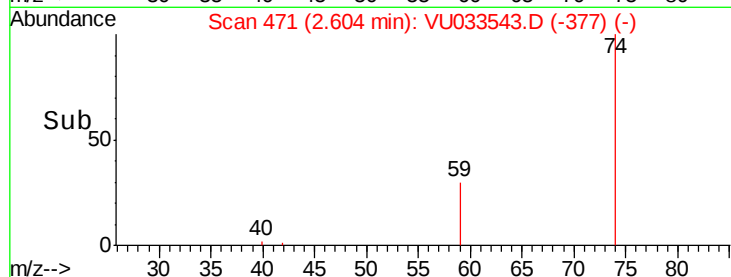
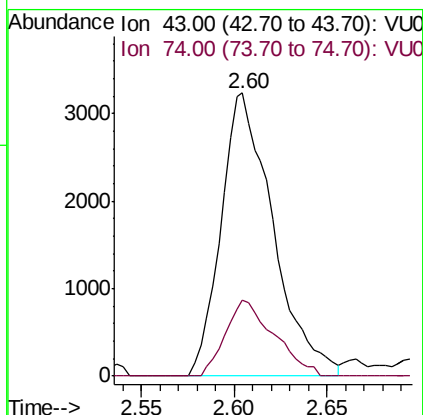
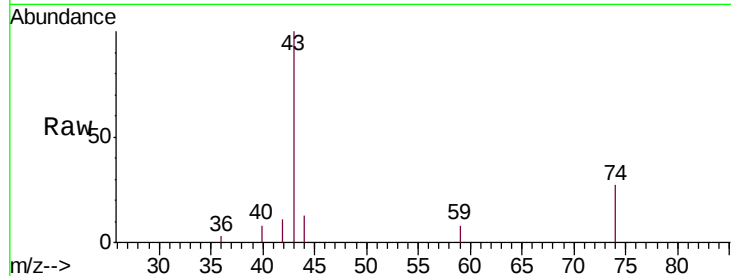




#15
Methyl Acetate
Concen: 2.675 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU033543.D
Acq: 01 Aug 2019 12:03

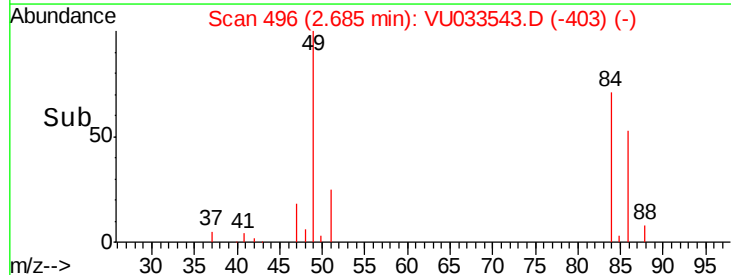
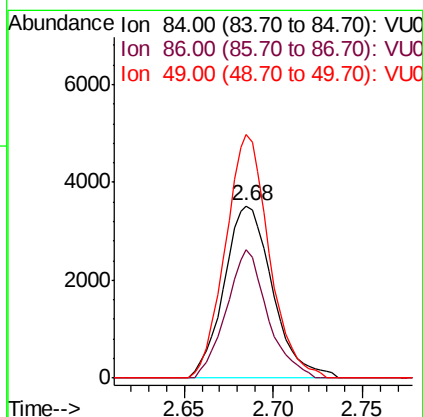
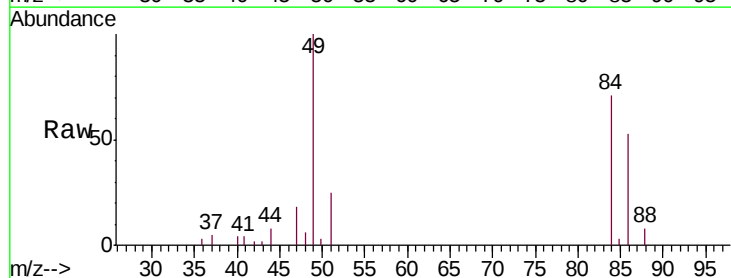
Instrument :
MSVOA_U
ClientSampled :
MDL06

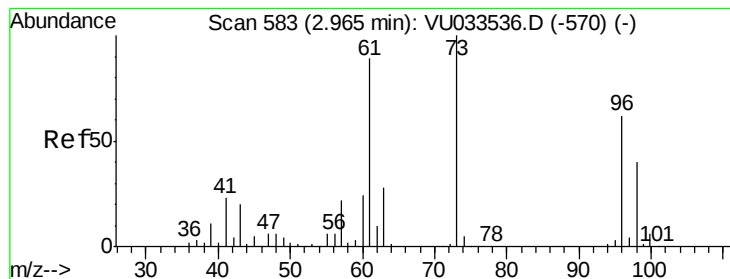
Tgt Ion: 43 Resp: 6313
Ion Ratio Lower Upper
43 100
74 24.8 20.1 30.1



#16
Methylene chloride
Concen: 2.986 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU033543.D
Acq: 01 Aug 2019 12:03

Tgt Ion: 84 Resp: 6645
Ion Ratio Lower Upper
84 100
86 74.2 45.7 84.9
49 141.1 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 2.599 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleID :

MDL06

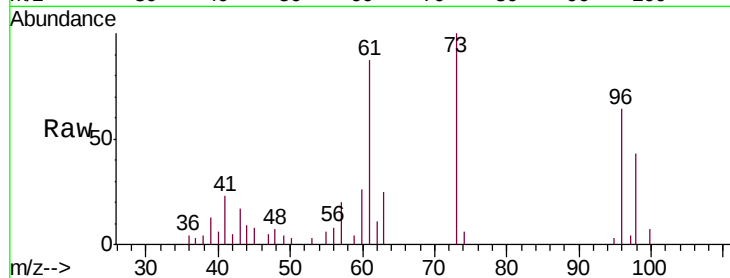
Tgt Ion: 96 Resp: 5306

Ion Ratio Lower Upper

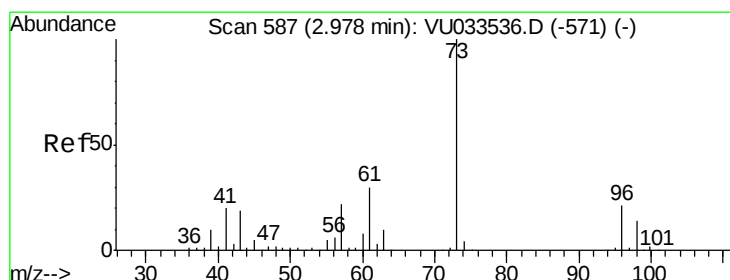
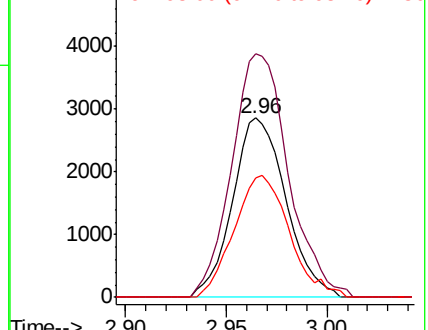
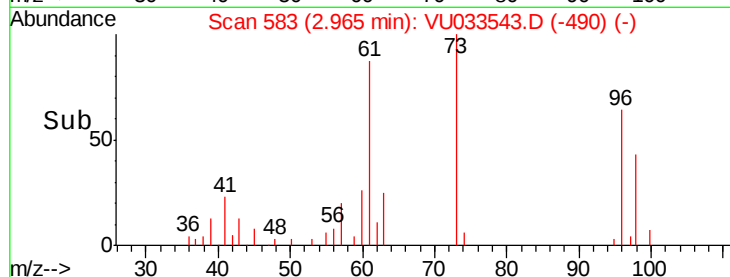
96 100

61 135.9 98.3 182.5

98 66.8 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033543.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 2.558 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

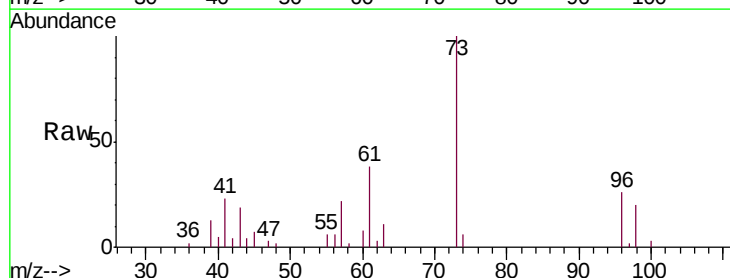
Tgt Ion: 73 Resp: 15925

Ion Ratio Lower Upper

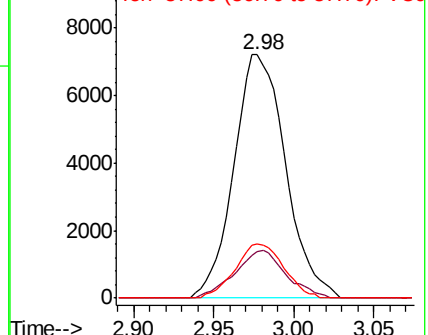
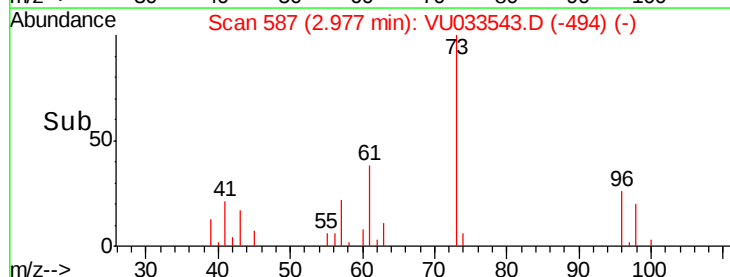
73 100

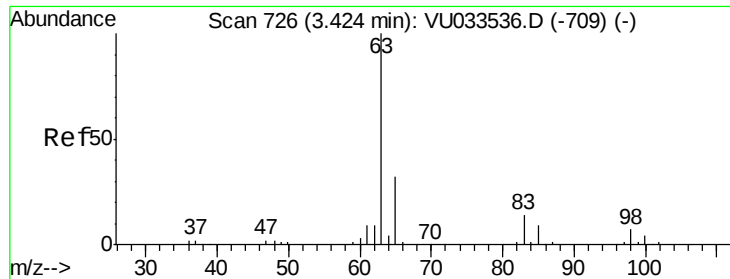
43 19.3 15.4 23.2

57 20.8 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VU033543.D (-494) (-)

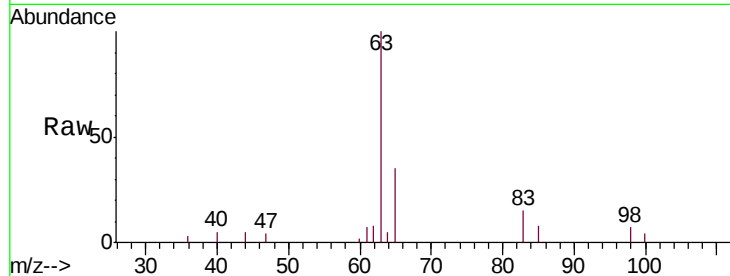




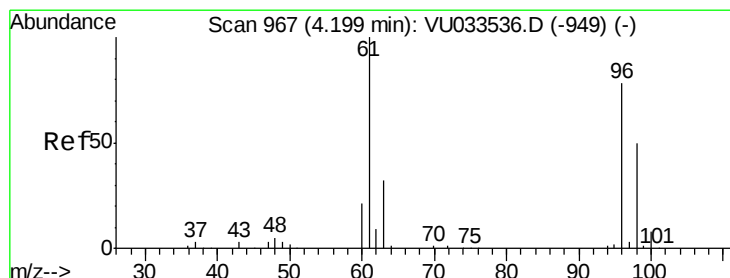
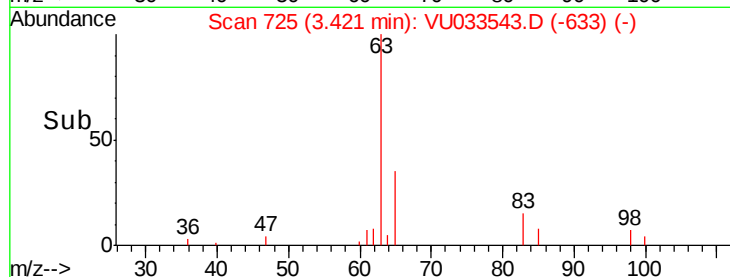
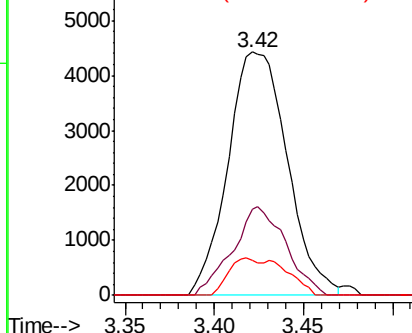
#19
 1,1-Dichloroethane
 Concen: 2.686 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion: 63 Resp: 10291
 Ion Ratio Lower Upper
 63 100
 65 35.4 22.0 40.8
 83 14.6 9.5 17.7

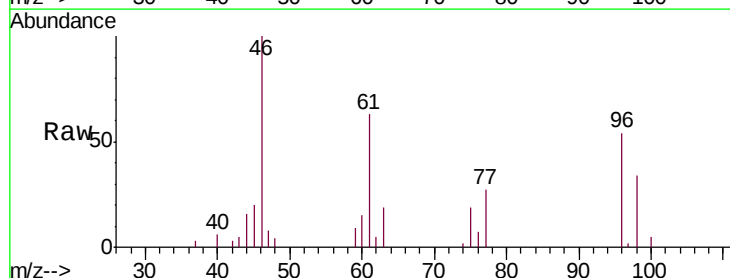


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

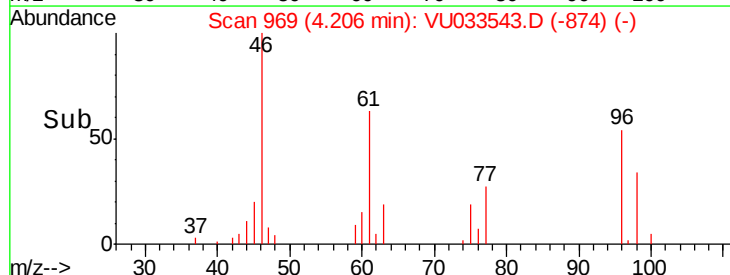
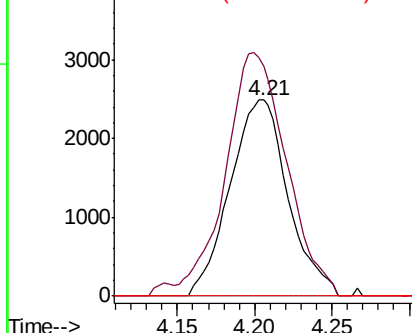


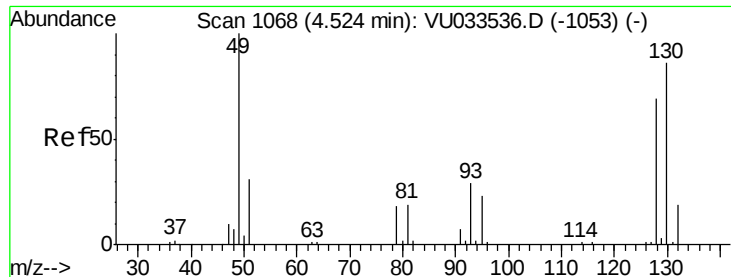
#20
 cis-1,2-Dichloroethene
 Concen: 2.829 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Tgt Ion: 96 Resp: 6482
 Ion Ratio Lower Upper
 96 100
 61 117.4 91.3 169.6
 68 0.0 0.0 0.0



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





#23

Bromochloromethane

Concen: 2.600 ug/L

RT: 4.53 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion:128 Resp: 3108

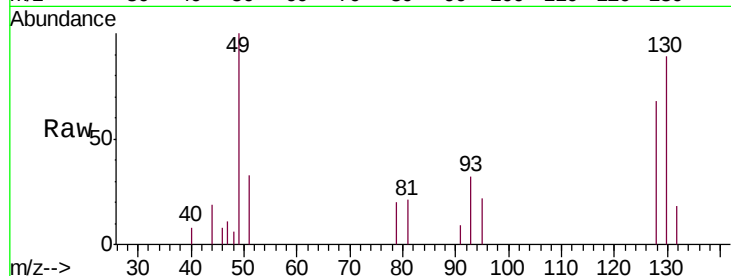
Ion Ratio Lower Upper

128 100

49 146.5 108.4 201.2

130 130.2 89.7 166.5

51 47.8 38.9 58.3

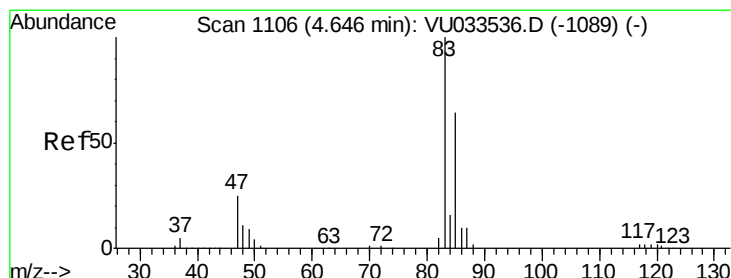
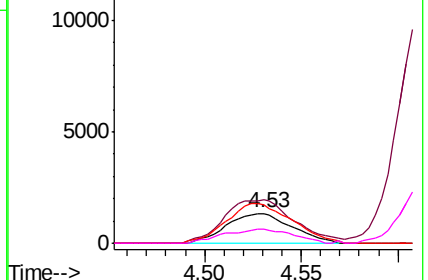
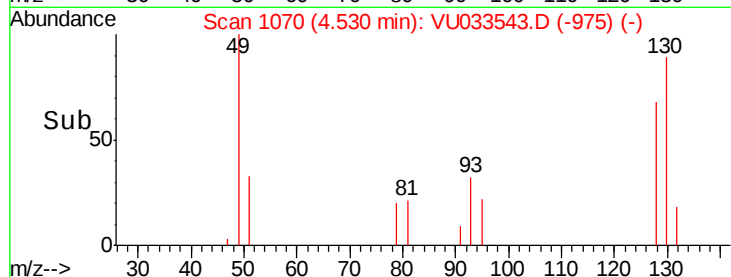


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 3.584 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033543.D

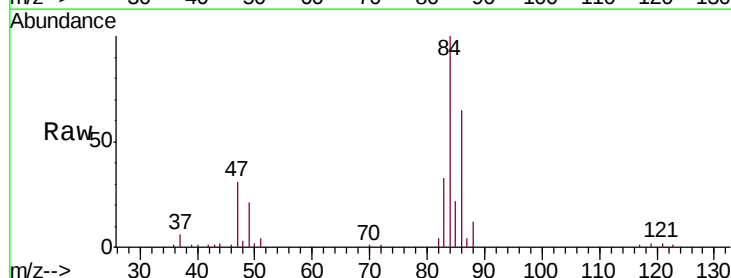
Acq: 01 Aug 2019 12:03

Tgt Ion: 83 Resp: 14451

Ion Ratio Lower Upper

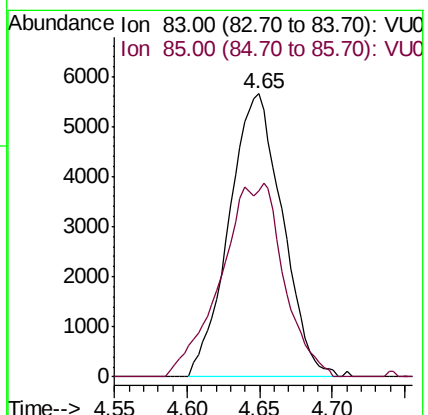
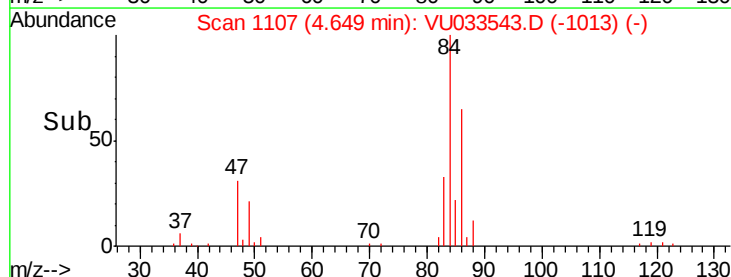
83 100

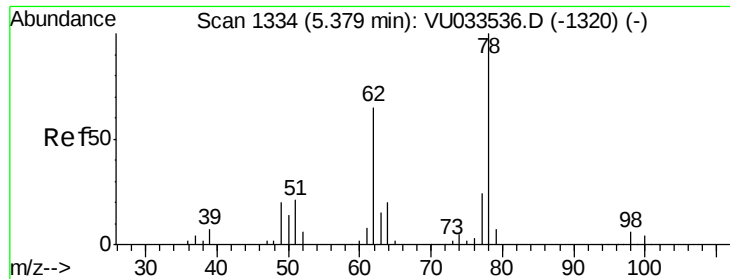
85 65.9 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

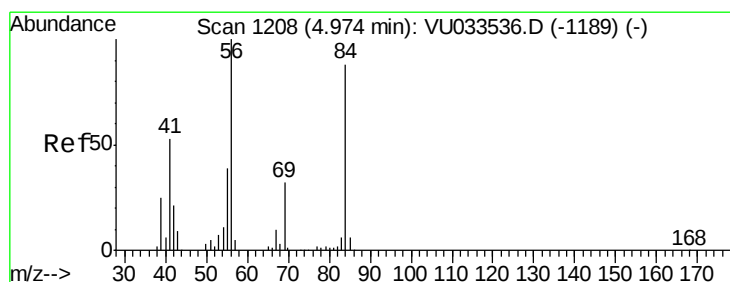
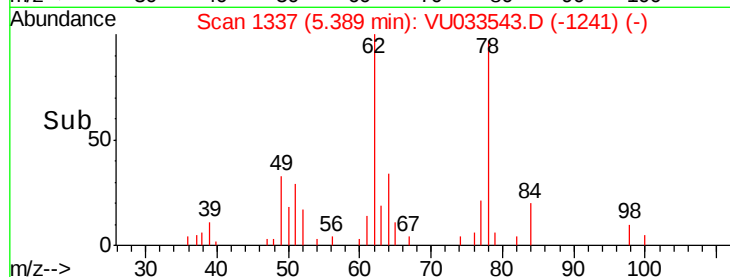
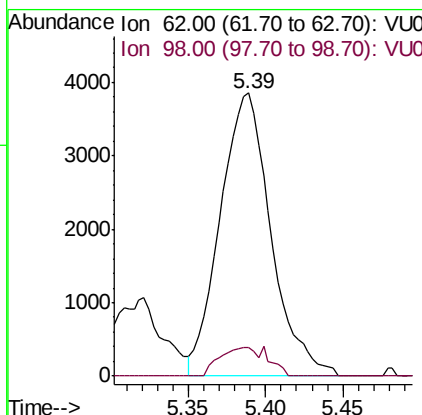
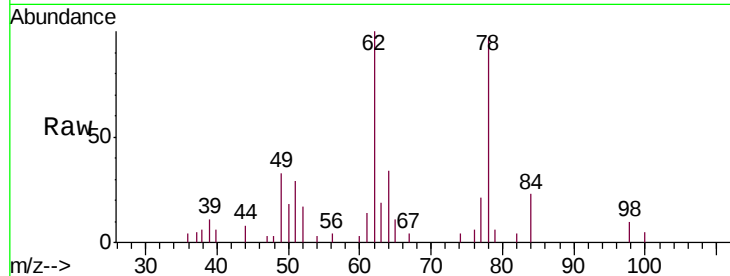




#27
 1,2-Dichloroethane
 Concen: 2.829 ug/L
 RT: 5.39 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

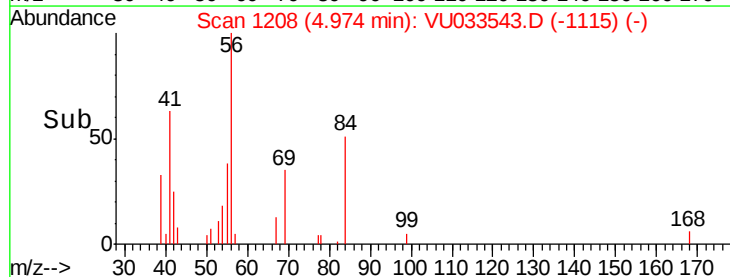
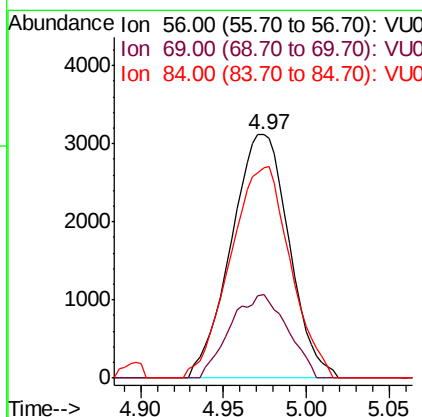
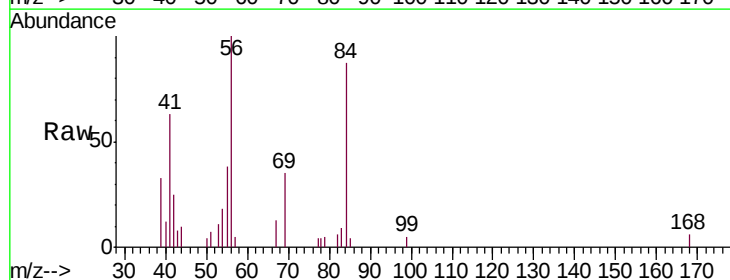
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

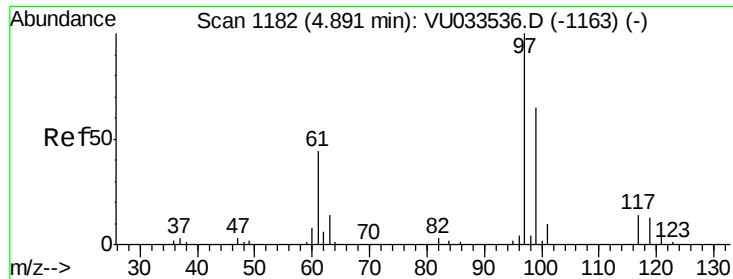
Tgt Ion: 62 Resp: 8783
 Ion Ratio Lower Upper
 62 100
 98 10.0 7.2 10.8



#29
 Cyclohexane
 Concen: 2.302 ug/L
 RT: 4.97 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Tgt Ion: 56 Resp: 7576
 Ion Ratio Lower Upper
 56 100
 69 12.7 25.0 37.6#
 84 90.0 71.6 107.4

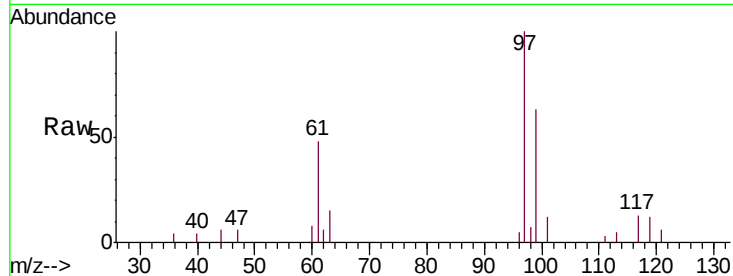




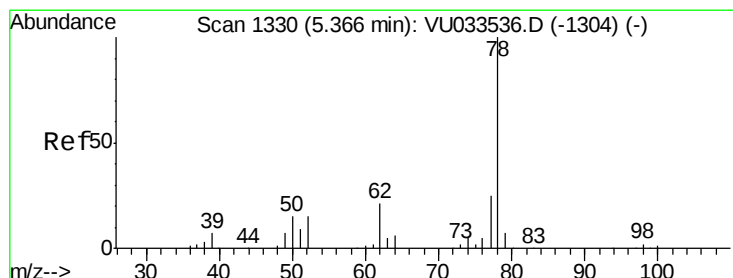
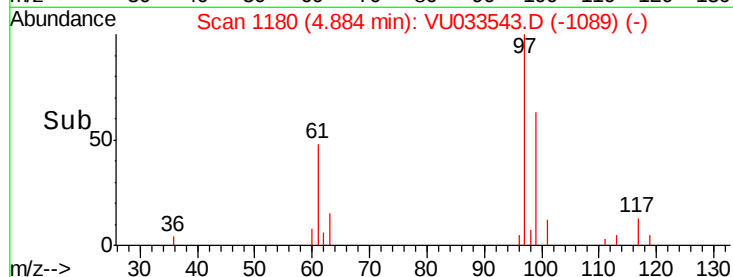
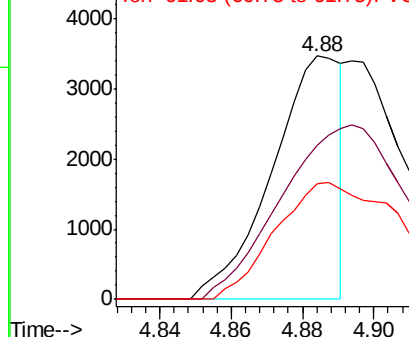
#30
 1,1,1-Trichloroethane
 Concen: 1.348 ug/L
 RT: 4.88 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL06

Tgt Ion: 97 Resp: 4680
 Ion Ratio Lower Upper
 97 100
 99 129.4 51.1 76.7#
 61 63.5 35.5 53.3#

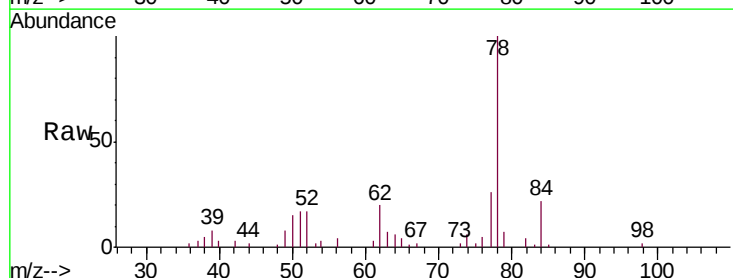


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

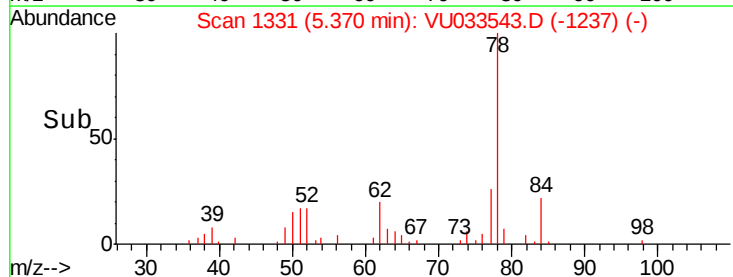
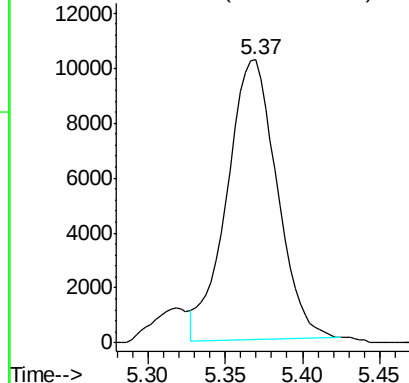


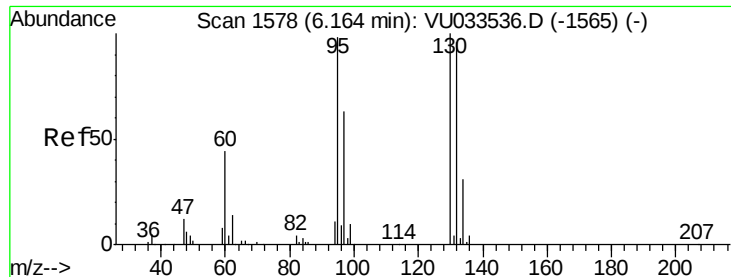
#33
 Benzene
 Concen: 2.642 ug/L
 RT: 5.37 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Tgt Ion: 78 Resp: 22991



Abundance Ion 78.00 (77.70 to 78.70): VU0

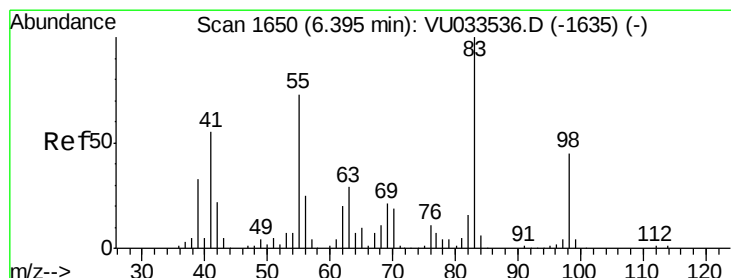
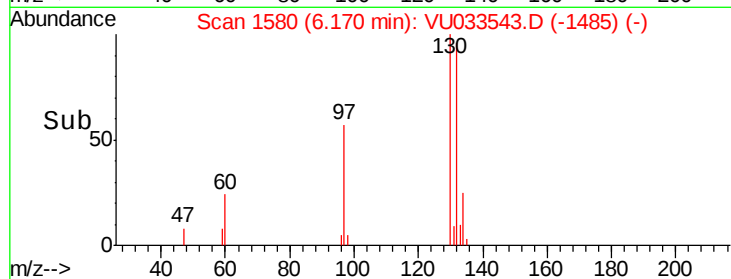
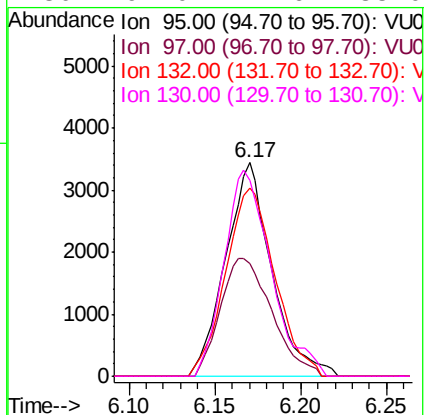
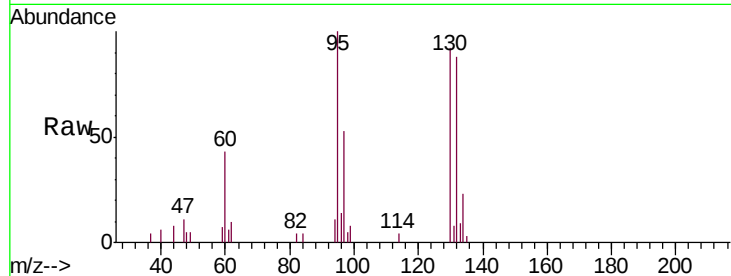




#34
 Trichloroethene
 Concen: 2.798 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

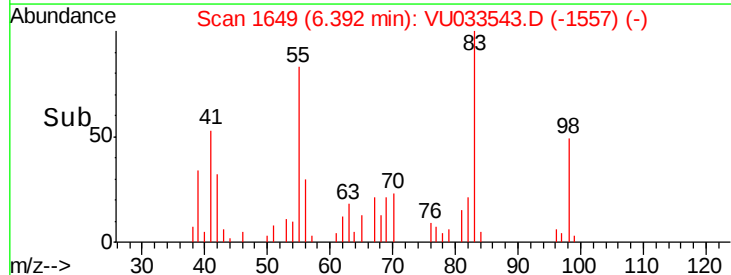
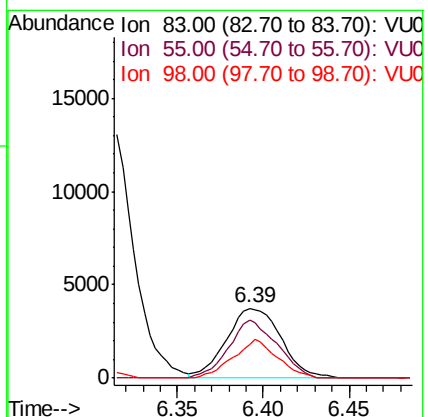
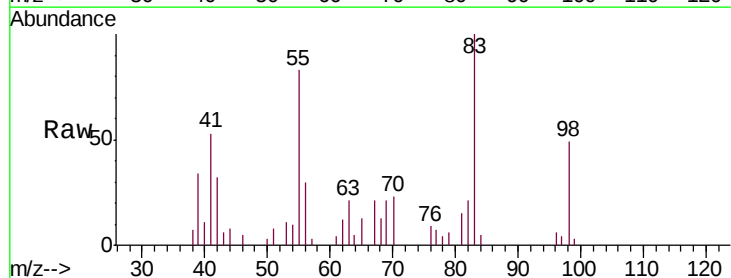
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

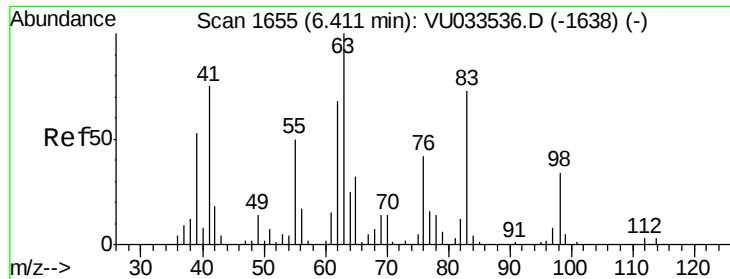
Tgt Ion: 95 Resp: 6423
 Ion Ratio Lower Upper
 95 100
 97 52.8 44.7 83.1
 132 88.3 66.8 124.0
 130 92.0 71.6 133.0



#35
 Methylcyclohexane
 Concen: 2.301 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Tgt Ion: 83 Resp: 8242
 Ion Ratio Lower Upper
 83 100
 55 73.4 60.2 90.4
 98 45.1 36.5 54.7

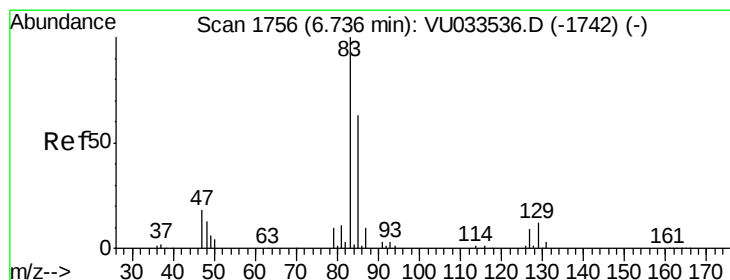
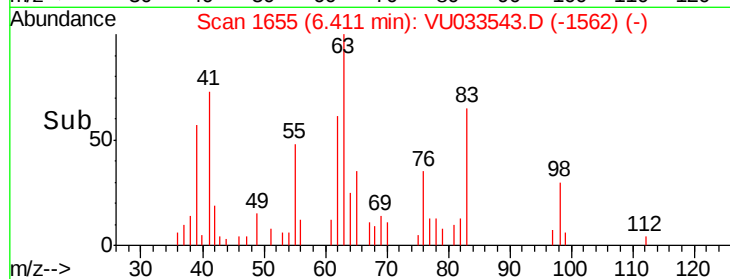
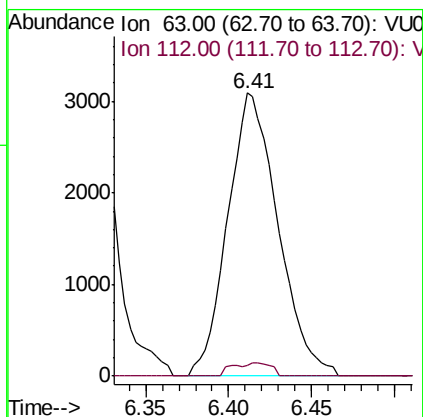
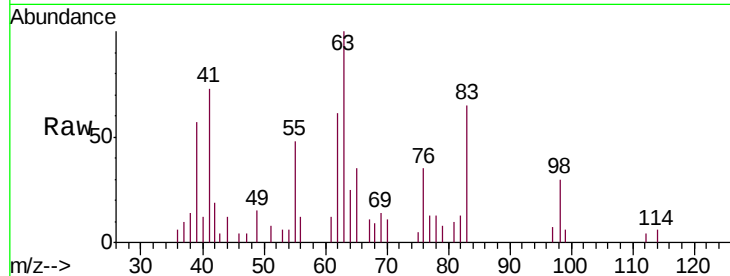




#37
 1,2-Dichloropropane
 Concen: 2.800 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

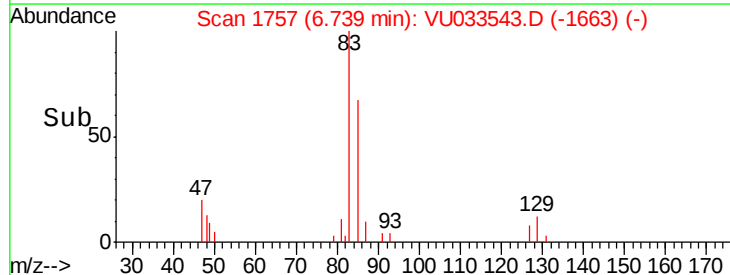
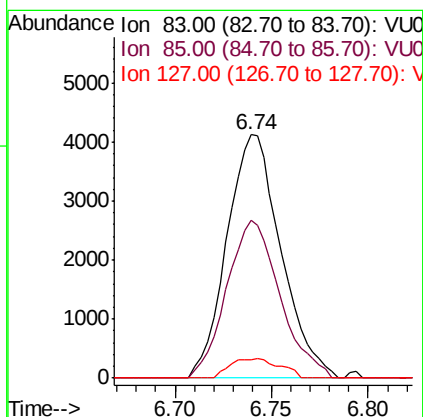
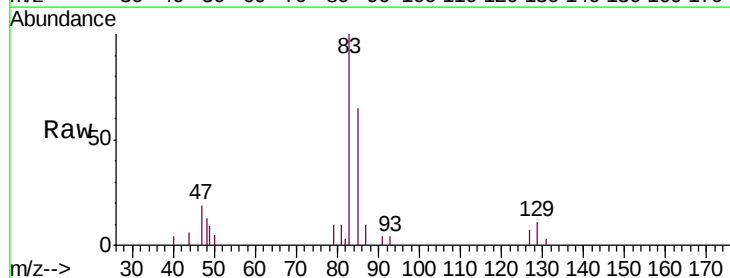
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

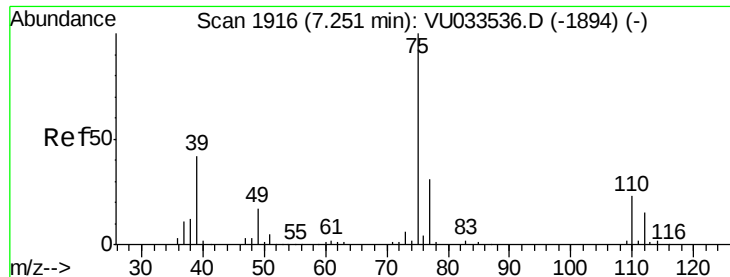
Tgt Ion: 63 Resp: 6523
 Ion Ratio Lower Upper
 63 100
 112 2.2 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 2.652 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Tgt Ion: 83 Resp: 7987
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.1 83.9
 127 7.4 7.2 10.8

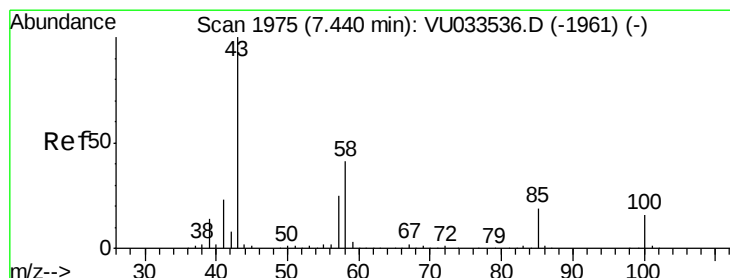
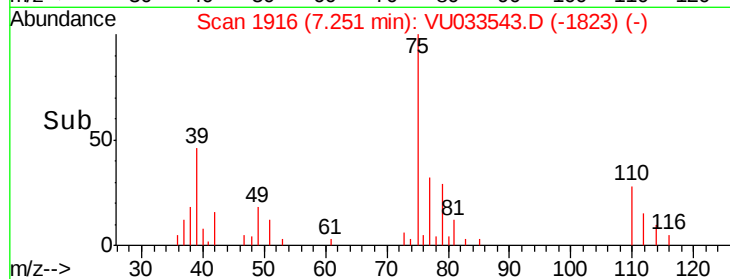
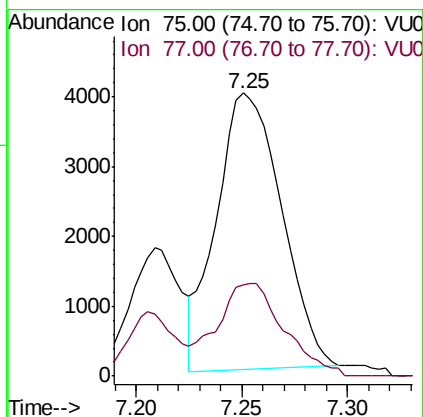
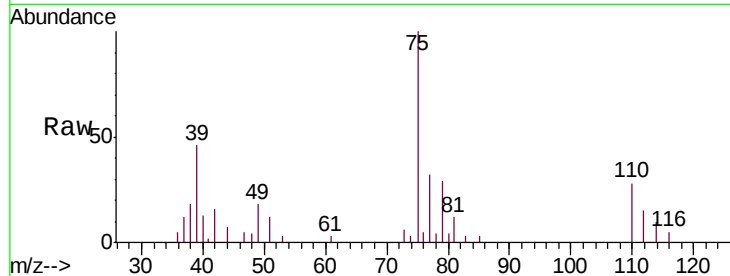




#39
 cis-1,3-Dichloropropene
 Concen: 2.343 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

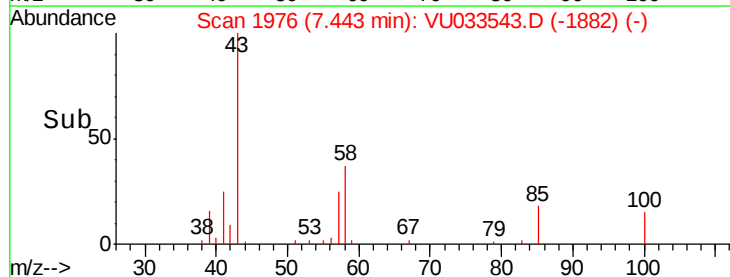
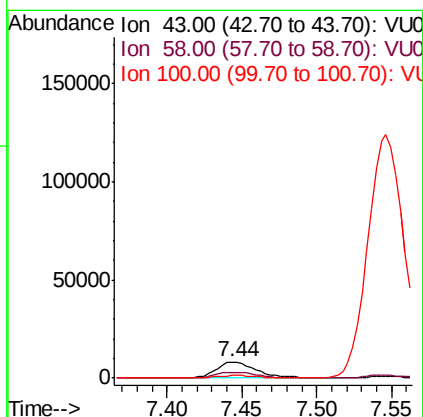
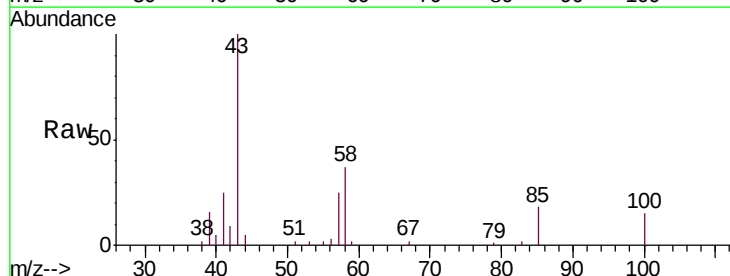
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

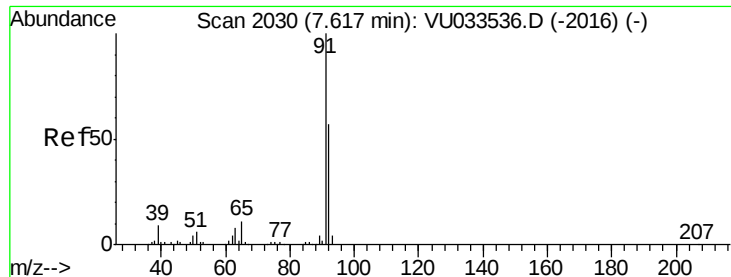
Tgt Ion: 75 Resp: 8518
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.853 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Tgt Ion: 43 Resp: 15609
 Ion Ratio Lower Upper
 43 100
 58 37.2 32.8 49.2
 100 15.6 12.9 19.3





#42

Toluene

Concen: 2.702 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

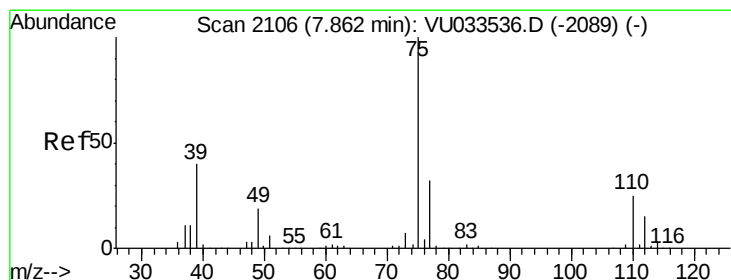
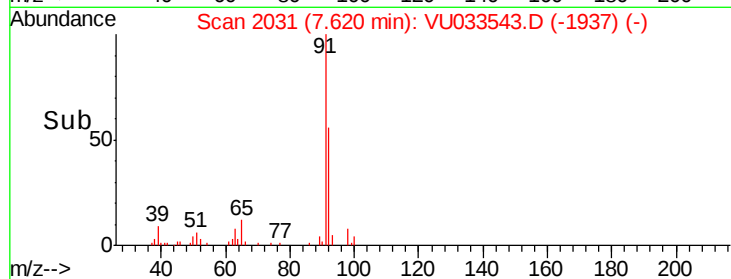
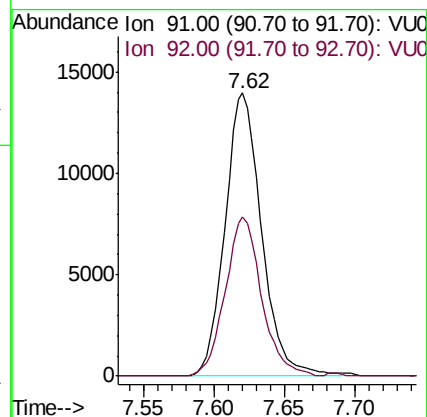
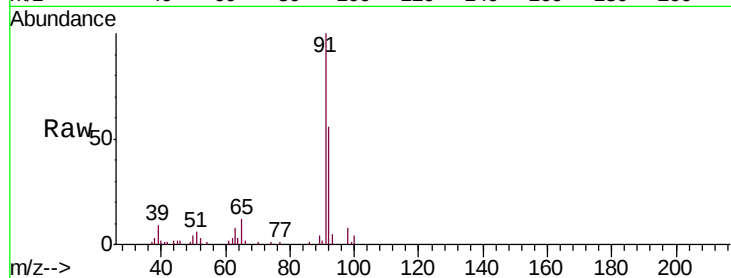
MDL06

Tgt Ion: 91 Resp: 25282

Ion Ratio Lower Upper

91 100

92 56.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 2.595 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033543.D

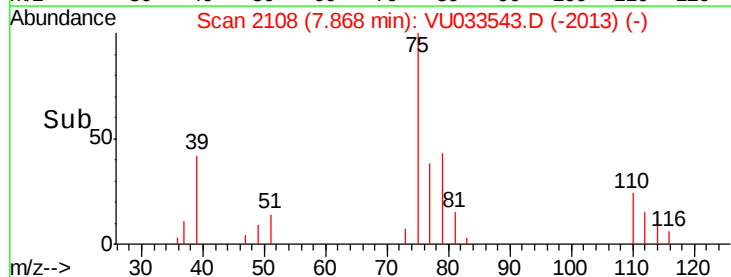
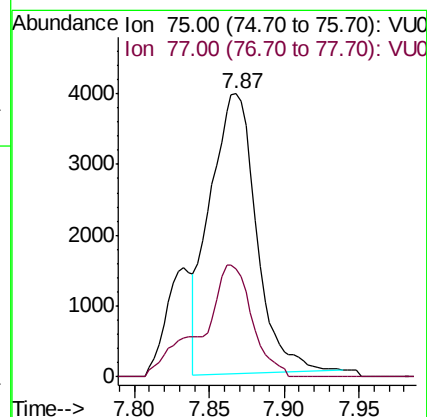
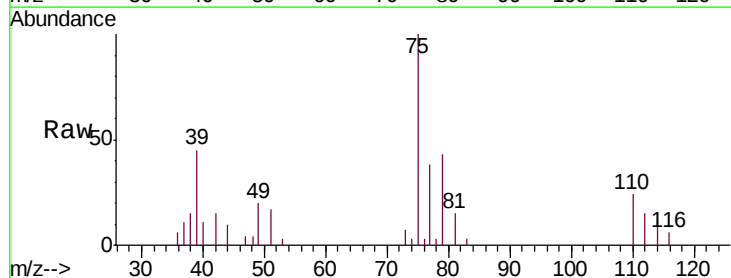
Acq: 01 Aug 2019 12:03

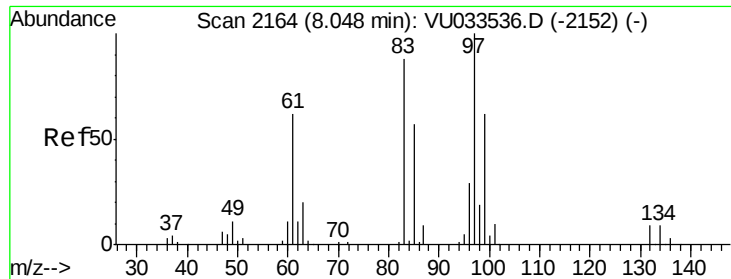
Tgt Ion: 75 Resp: 8525

Ion Ratio Lower Upper

75 100

77 38.3 22.7 42.1

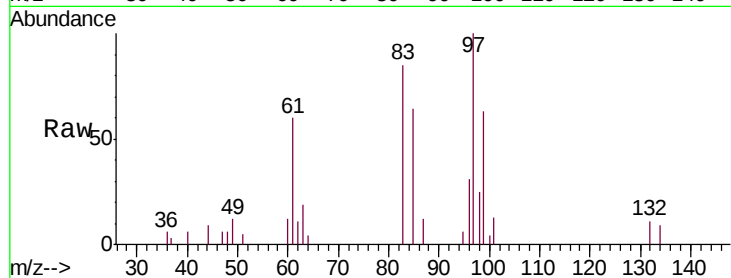




#45
 1,1,2-Trichloroethane
 Concen: 2.659 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:	97	Resp:	5880
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.4	82.4
83	84.5	61.5	114.1
85	64.2	40.4	75.0



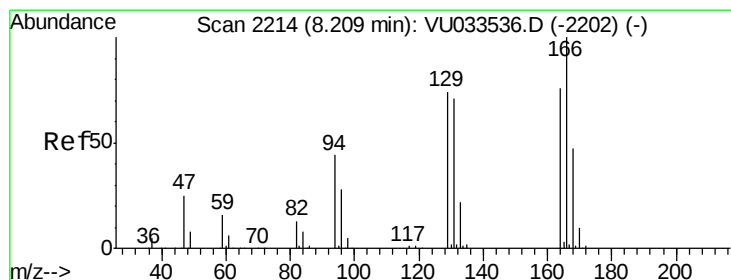
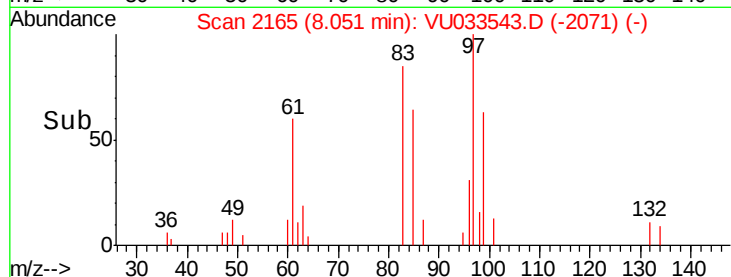
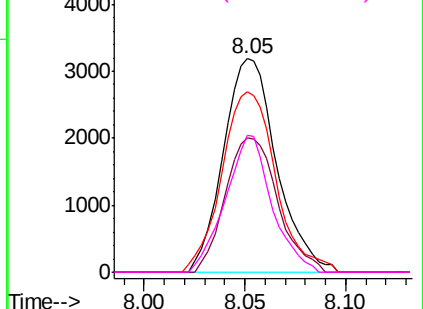
Abundance

Ion 97.00 (96.70 to 97.70): VU033536.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033536.D (-2152) (-)

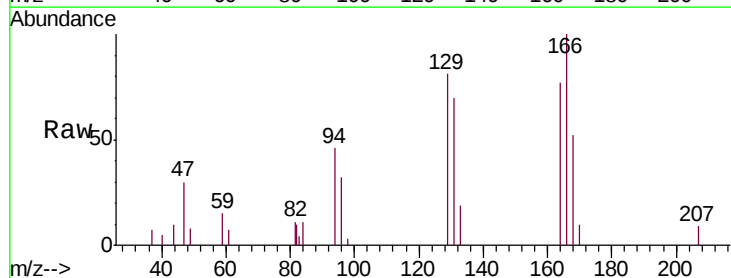
Ion 83.00 (82.70 to 83.70): VU033536.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033536.D (-2152) (-)



#46
 Tetrachloroethene
 Concen: 2.449 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Tgt Ion:	164	Resp:	4590
Ion	Ratio	Lower	Upper
164	100		
129	105.1	65.5	121.7
131	90.5	63.3	117.7
166	129.5	88.2	163.8



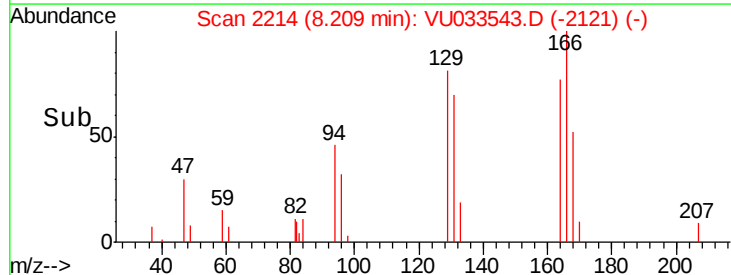
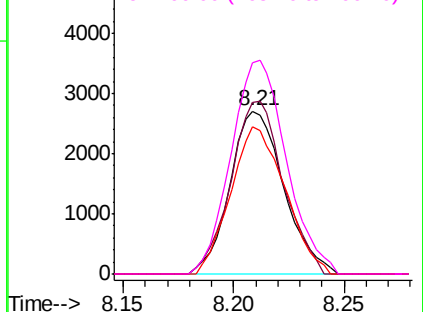
Abundance

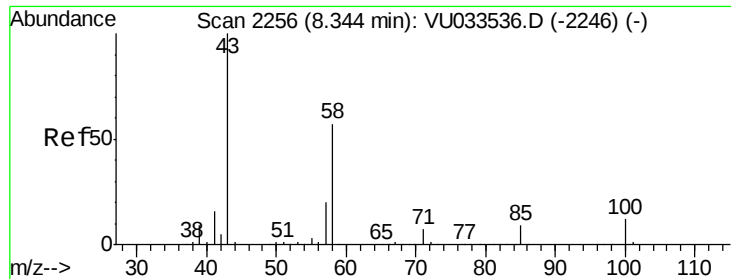
Ion 164.00 (163.70 to 164.70): VU033536.D (-2202) (-)

Ion 129.00 (128.70 to 129.70): VU033536.D (-2202) (-)

Ion 131.00 (130.70 to 131.70): VU033536.D (-2202) (-)

Ion 166.00 (165.70 to 166.70): VU033536.D (-2202) (-)

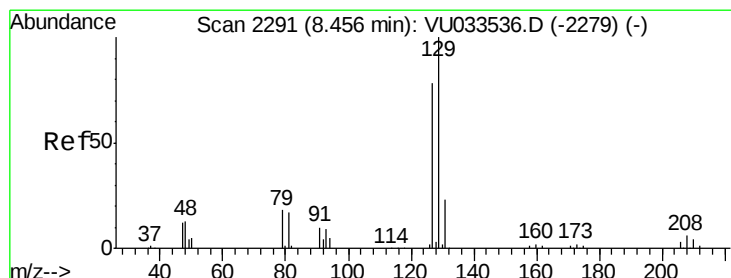
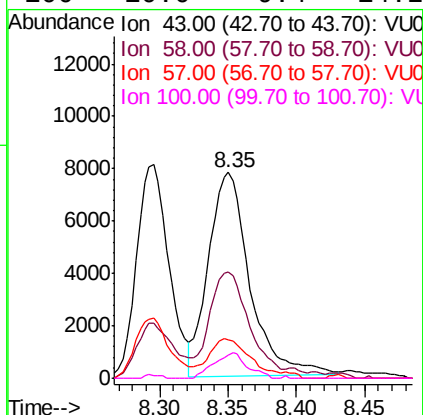
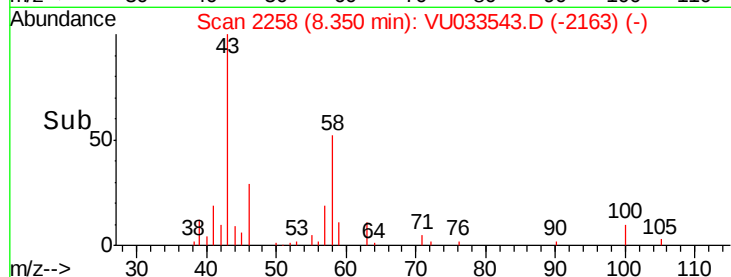
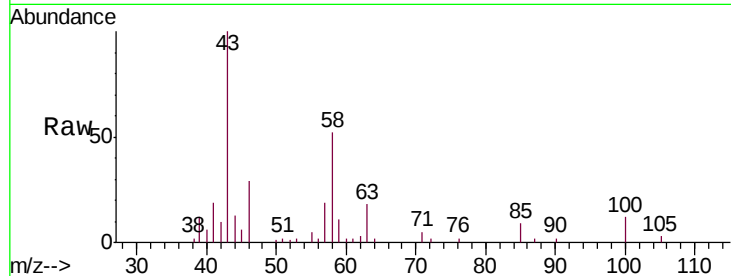




#48
2-Hexanone
Concen: 6.309 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033543.D
Acq: 01 Aug 2019 12:03

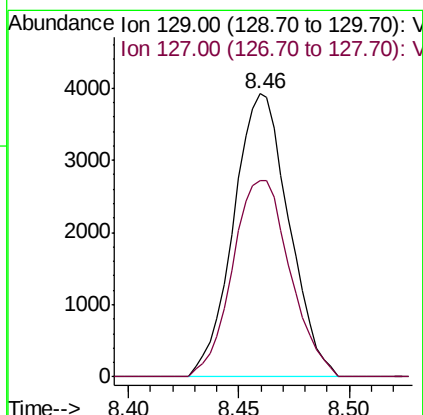
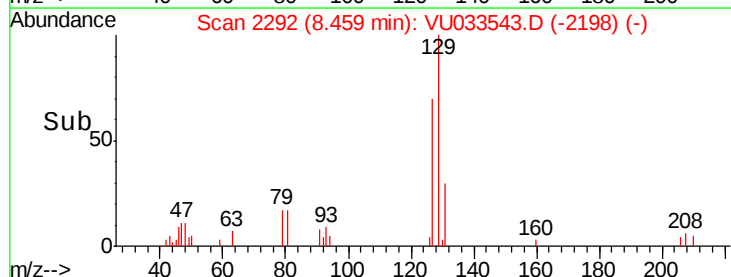
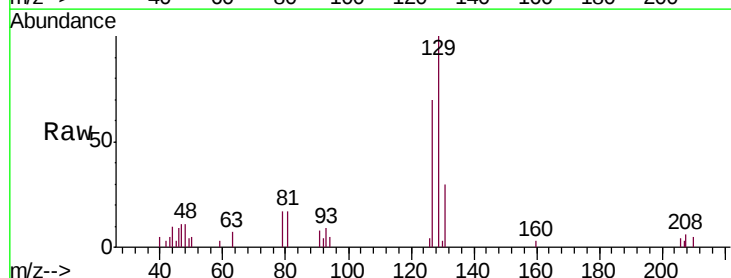
Instrument :
MSVOA_U
ClientSampleId :
MDL06

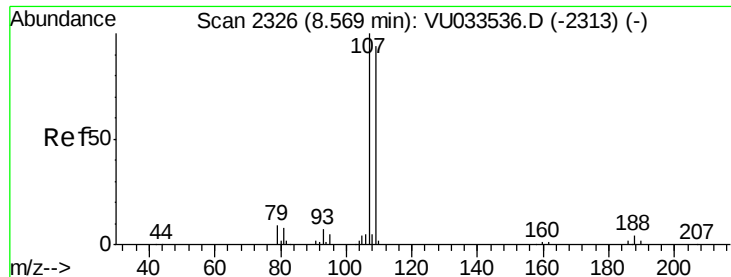
Tgt Ion: 43 Resp: 16400
Ion Ratio Lower Upper
43 100
58 49.8 45.8 68.6
57 15.2 15.8 23.6#
100 10.0 9.4 14.2



#49
Dibromochloromethane
Concen: 2.712 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033543.D
Acq: 01 Aug 2019 12:03

Tgt Ion: 129 Resp: 6822
Ion Ratio Lower Upper
129 100
127 69.6 53.8 99.8





#50

1,2-Dibromoethane

Concen: 2.588 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

MDL06

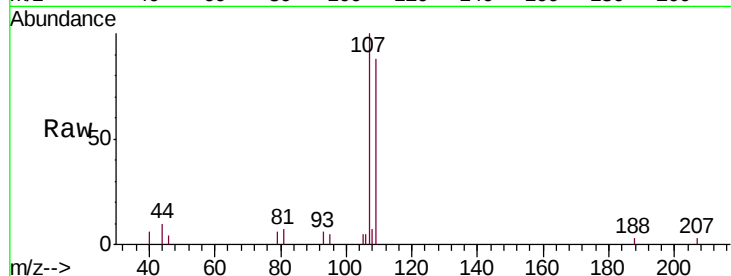
Tgt Ion:107 Resp: 6340

Ion Ratio Lower Upper

107 100

109 88.0 66.8 124.0

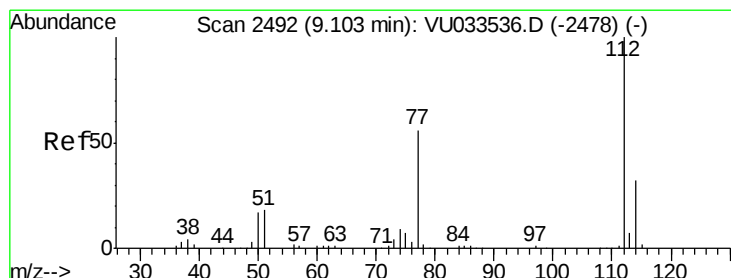
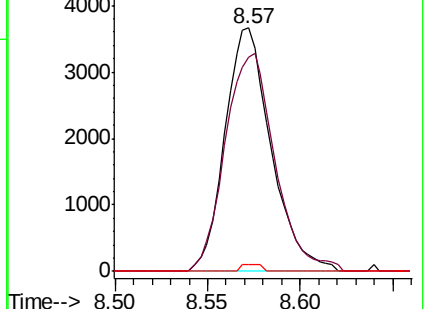
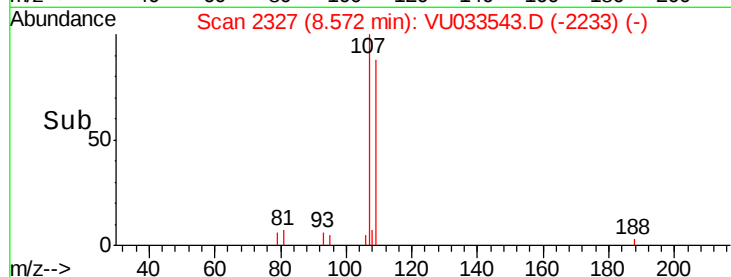
188 2.8 3.0 4.4#



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: 2.559 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

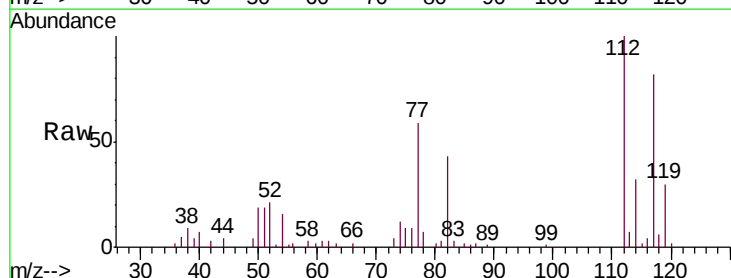
Tgt Ion:112 Resp: 15679

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

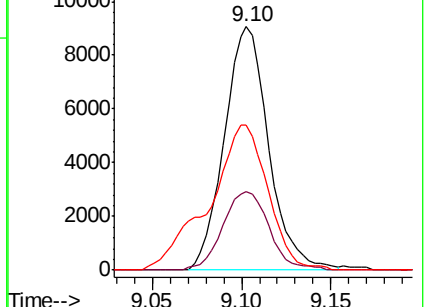
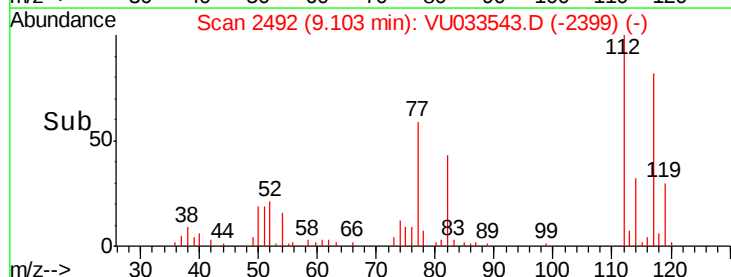
77 59.4 45.6 68.4

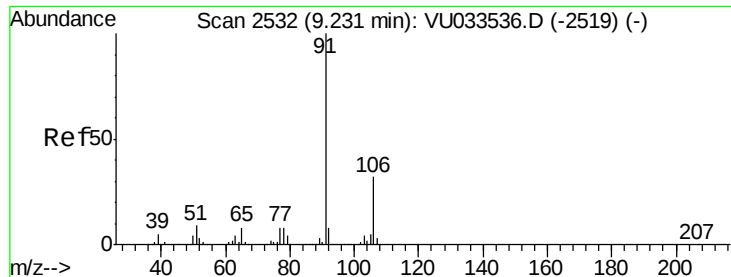


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 2.309 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

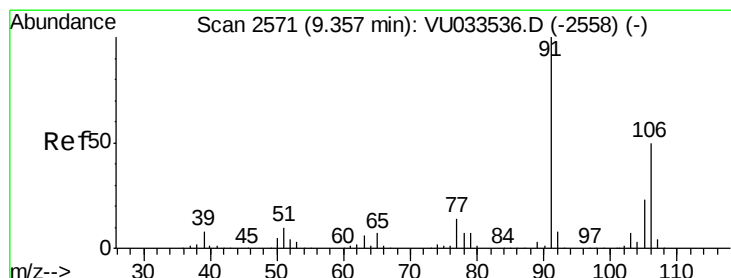
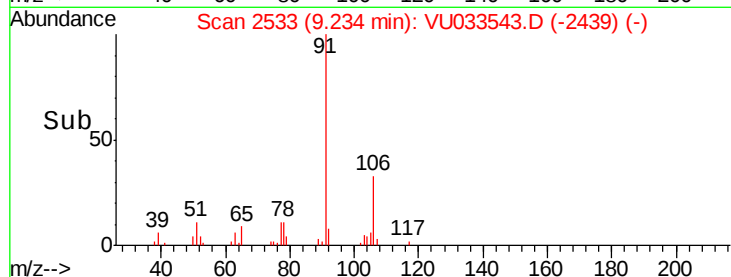
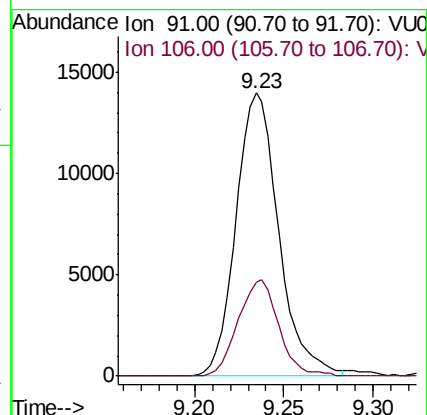
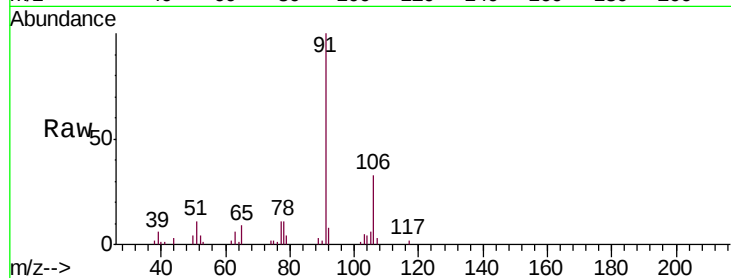
MDL06

Tgt Ion: 91 Resp: 23261

Ion Ratio Lower Upper

91 100

106 33.2 22.2 41.2



#53

m,p-Xylene

Concen: 2.254 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033543.D

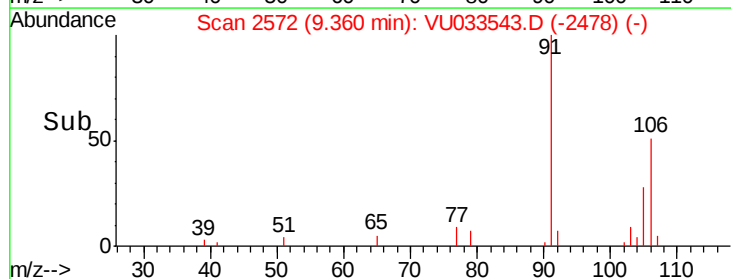
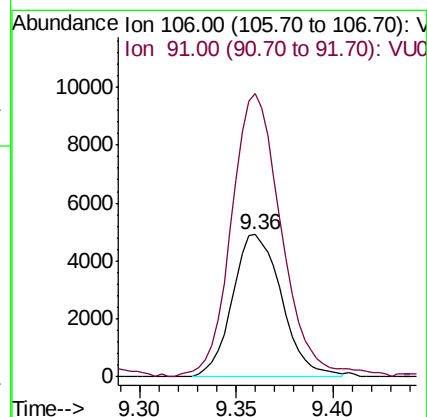
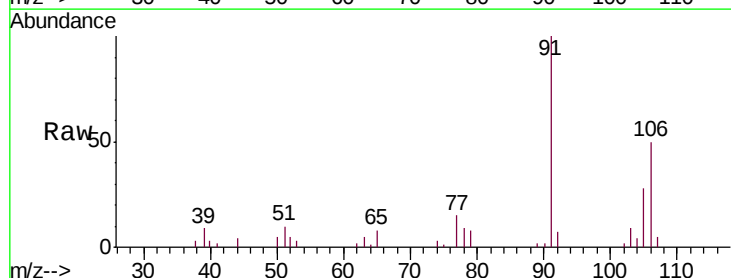
Acq: 01 Aug 2019 12:03

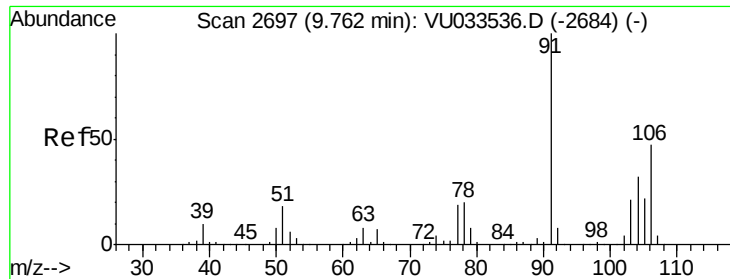
Tgt Ion: 106 Resp: 8720

Ion Ratio Lower Upper

106 100

91 199.0 143.0 265.6

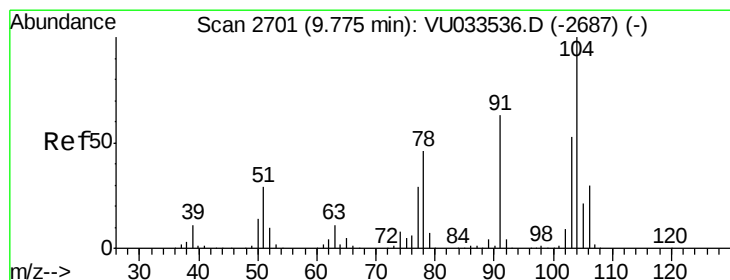
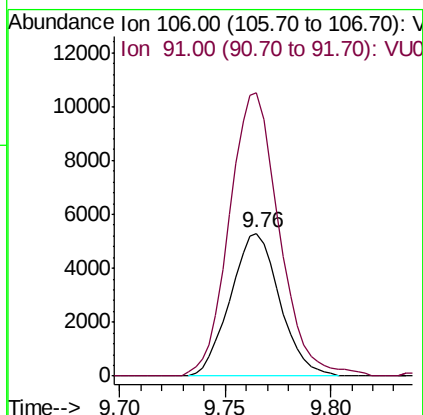
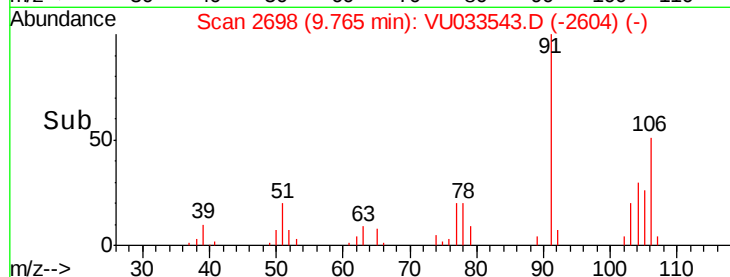
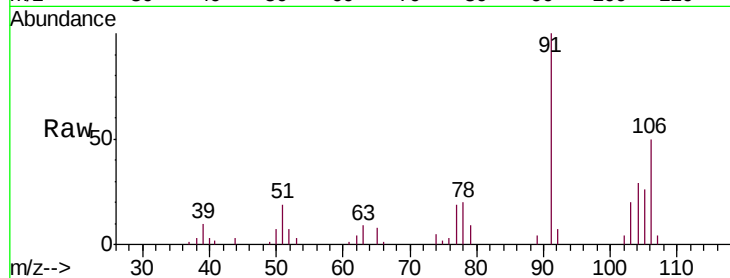




#54
o-xylene
Concen: 2.302 ug/L
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033543.D
Acq: 01 Aug 2019 12:03

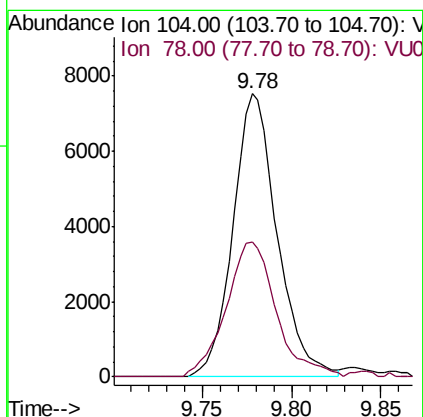
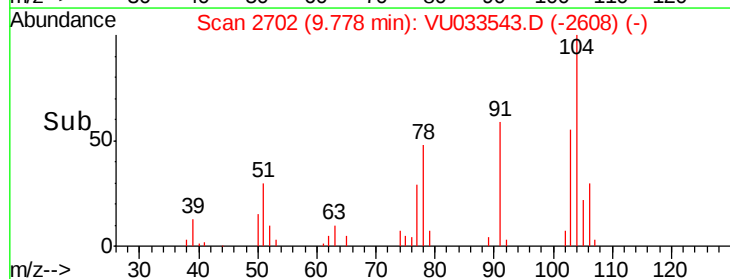
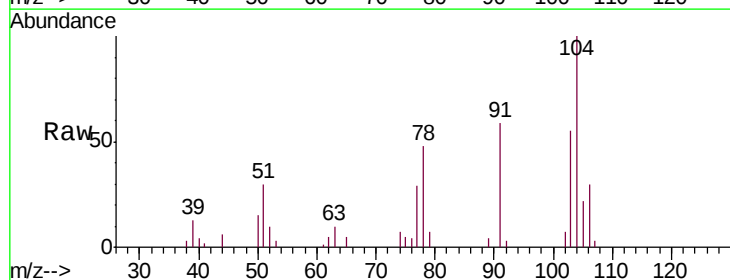
Instrument :
MSVOA_U
ClientSampleId :
MDL06

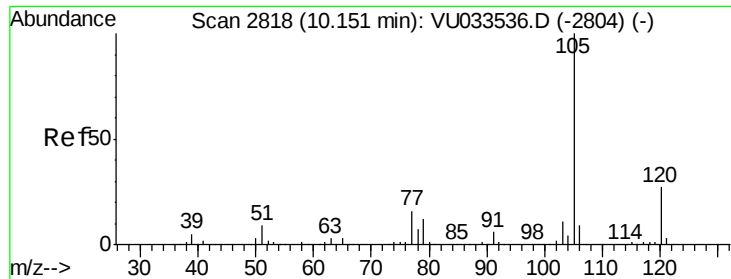
Tgt Ion:106 Resp: 8637
Ion Ratio Lower Upper
106 100
91 198.2 148.4 275.6



#55
Styrene
Concen: 2.038 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033543.D
Acq: 01 Aug 2019 12:03

Tgt Ion:104 Resp: 12986
Ion Ratio Lower Upper
104 100
78 47.9 32.2 59.8





#56

Isopropylbenzene

Concen: 2.169 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

MDL06

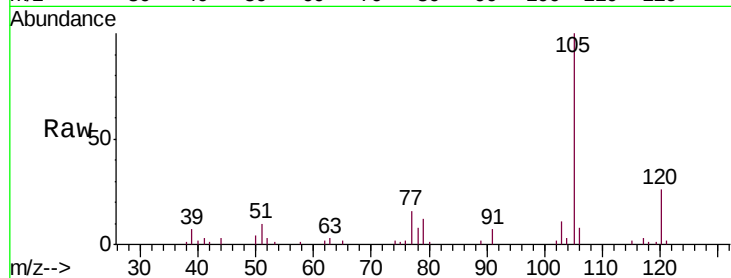
Tgt Ion: 105 Resp: 21267

Ion Ratio Lower Upper

105 100

120 25.6 21.4 32.0

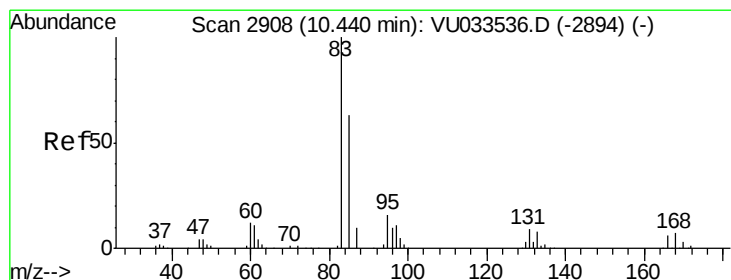
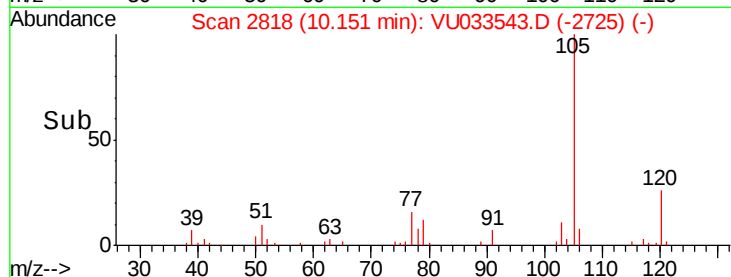
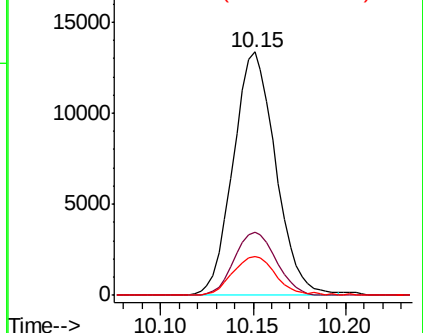
77 15.9 12.5 18.7



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.908 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

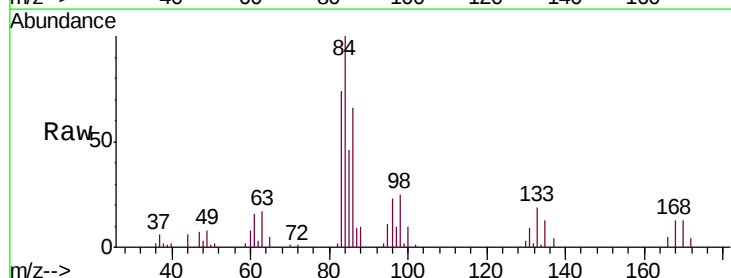
Tgt Ion: 83 Resp: 11599

Ion Ratio Lower Upper

83 100

85 62.0 45.4 84.4

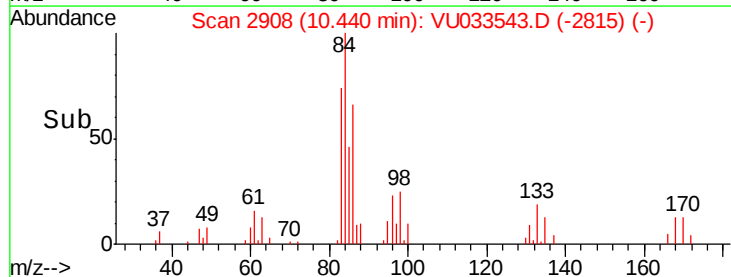
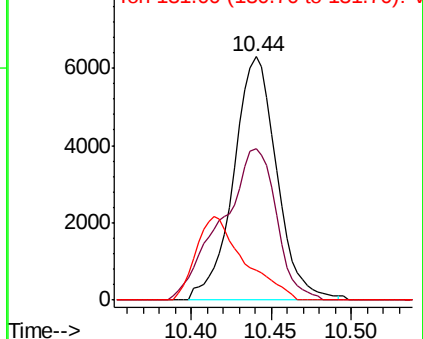
131 12.3 7.9 11.9#

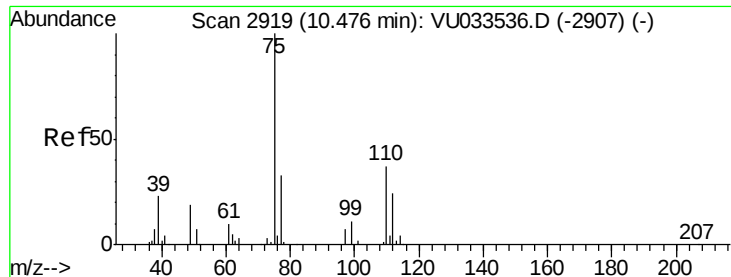


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.784 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

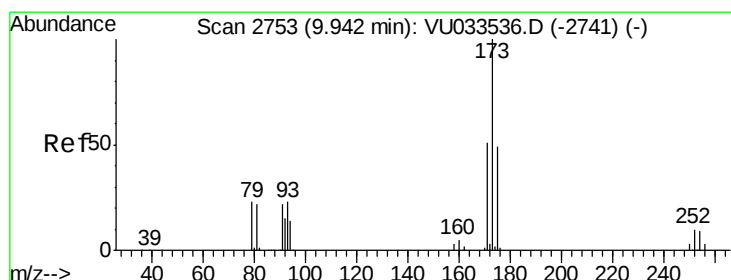
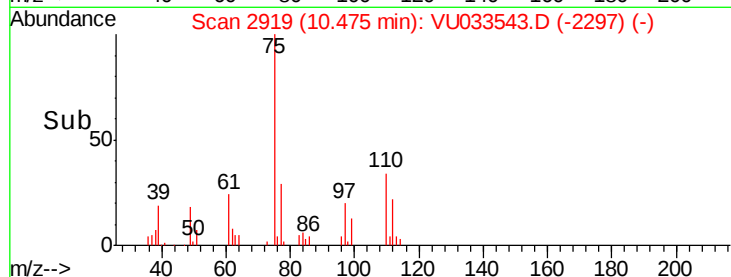
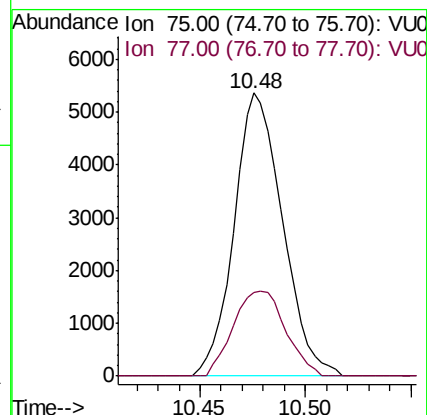
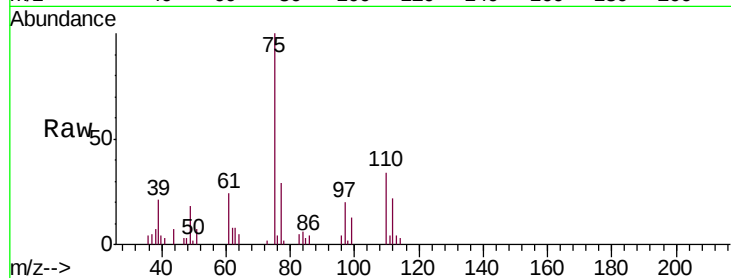
MDL06

Tgt Ion: 75 Resp: 8561

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#61

Bromoform

Concen: 2.711 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

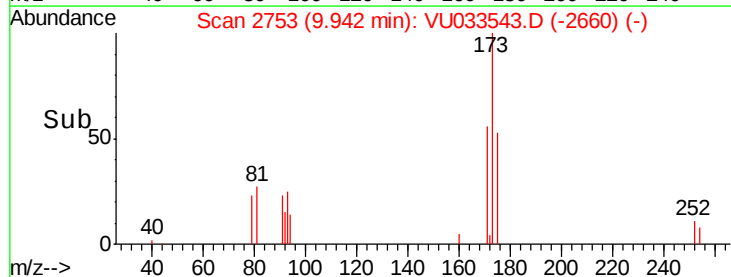
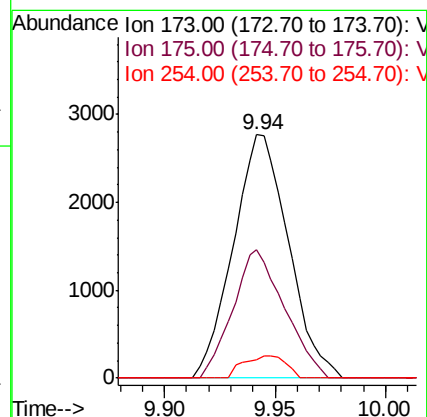
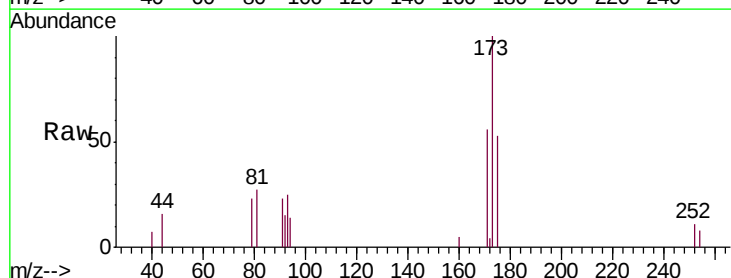
Tgt Ion: 173 Resp: 4816

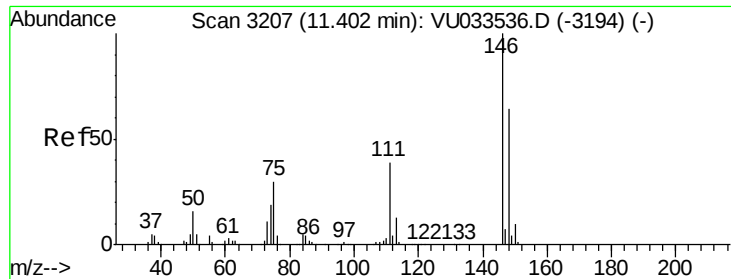
Ion Ratio Lower Upper

173 100

175 49.1 38.7 58.1

254 7.1 7.5 11.3#





#62

1,3-Dichlorobenzene

Concen: 2.534 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

MDL06

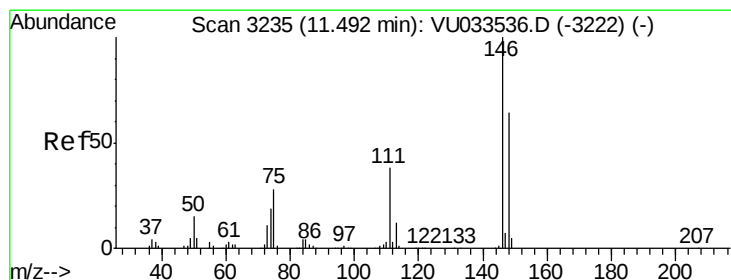
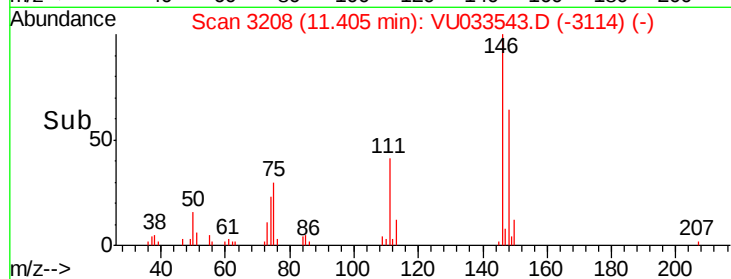
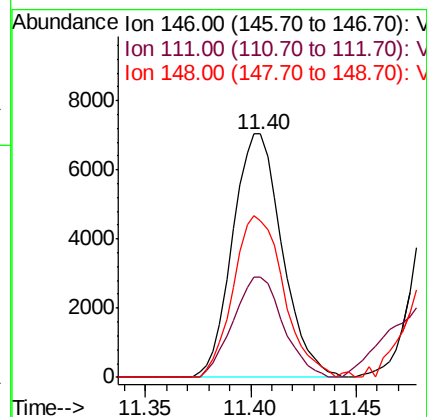
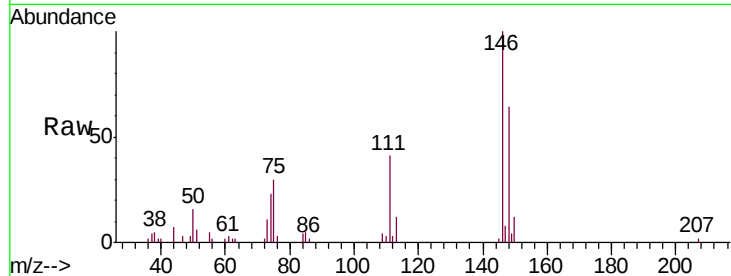
Tgt Ion:146 Resp: 11445

Ion Ratio Lower Upper

146 100

111 41.3 28.1 52.1

148 64.3 45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 2.767 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

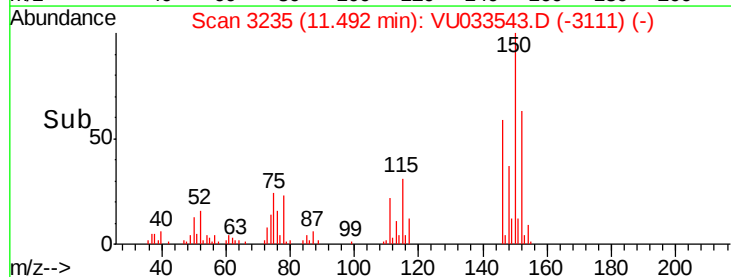
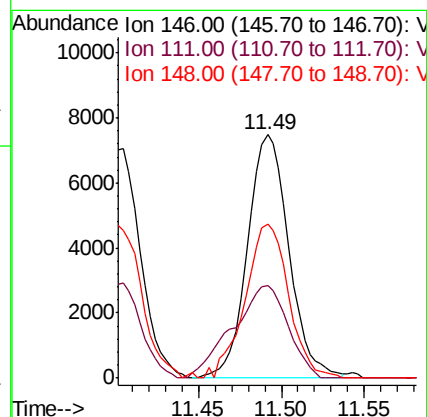
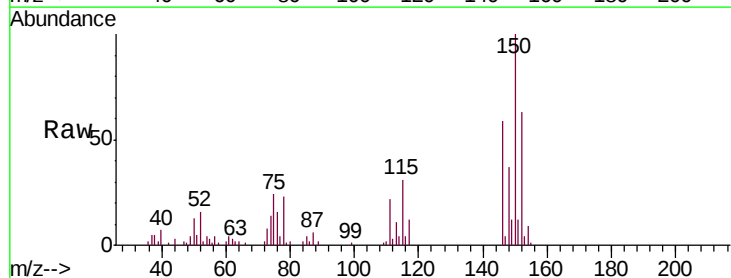
Tgt Ion:146 Resp: 12984

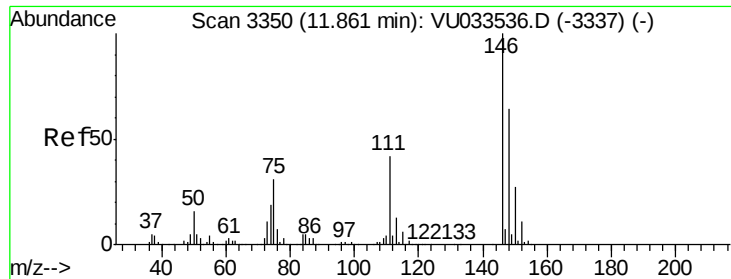
Ion Ratio Lower Upper

146 100

111 38.1 27.2 50.4

148 63.4 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 2.790 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

MDL06

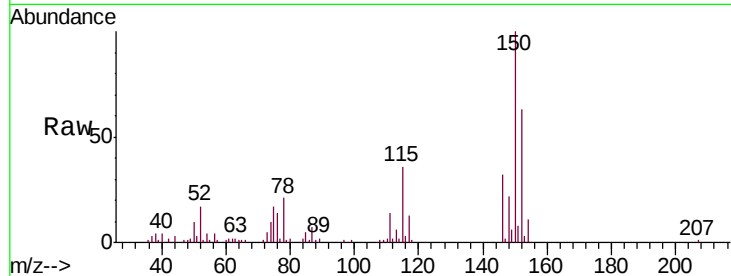
Tgt Ion:146 Resp: 12739

Ion Ratio Lower Upper

146 100

111 44.8 31.7 47.5

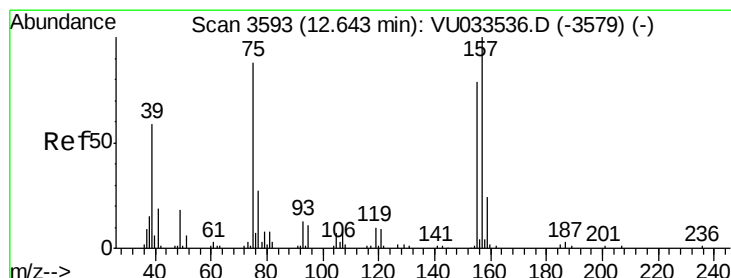
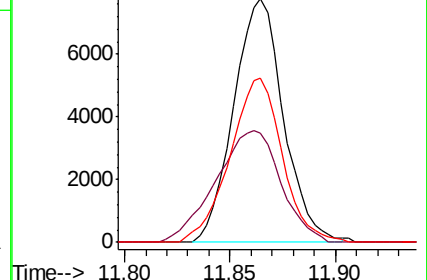
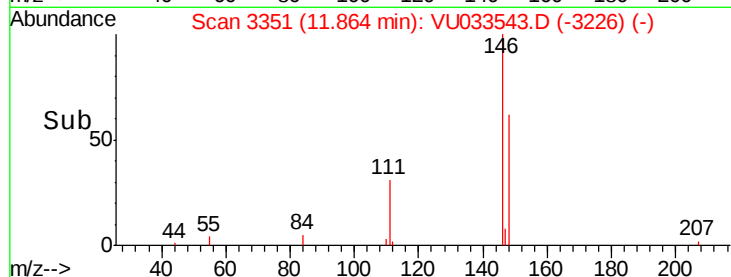
148 67.2 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.446 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

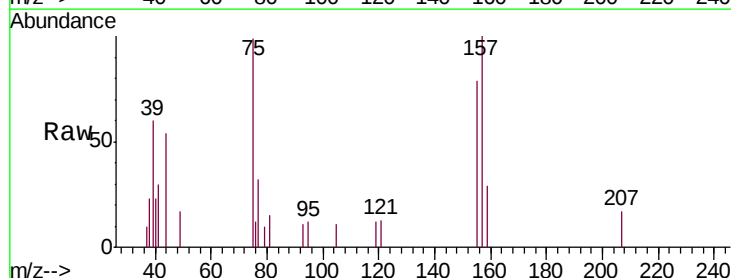
Tgt Ion: 75 Resp: 2064

Ion Ratio Lower Upper

75 100

155 80.2 69.4 104.0

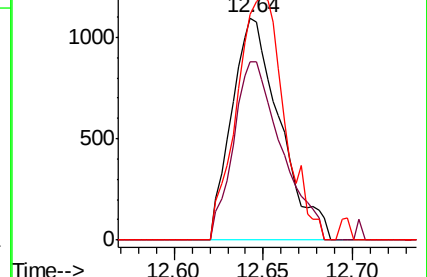
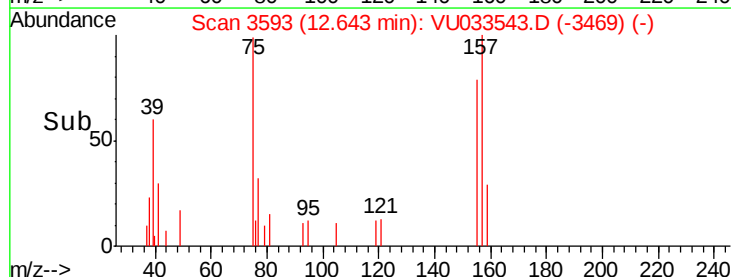
157 101.3 91.8 137.8

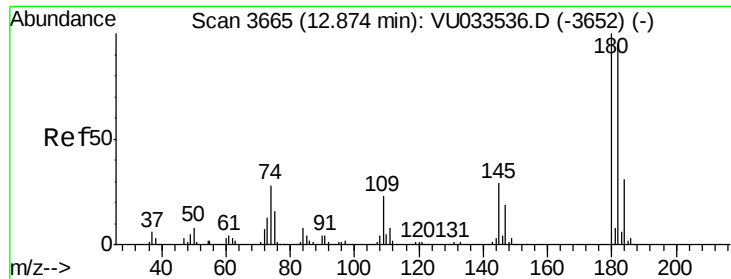


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

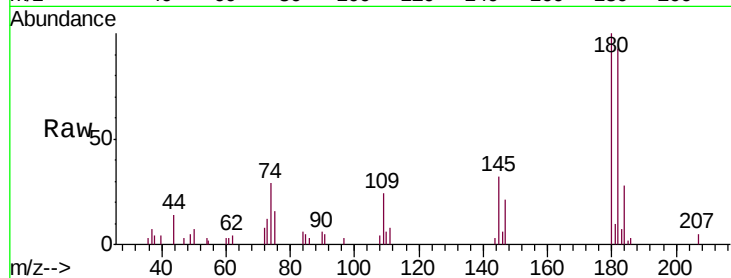




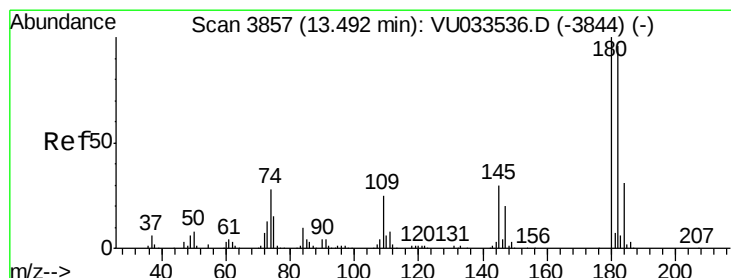
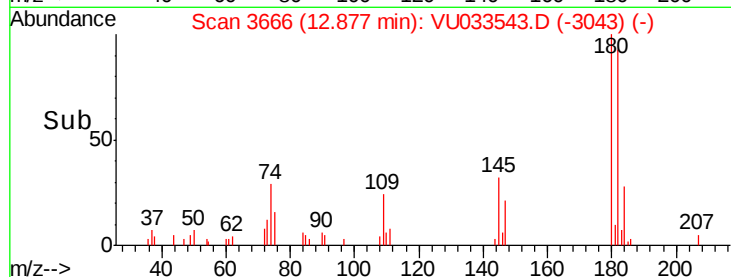
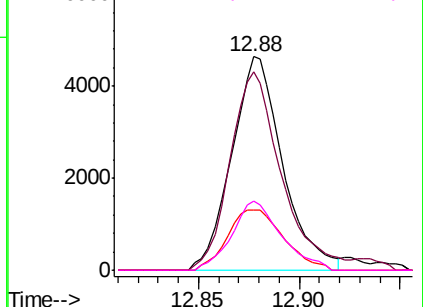
#67
 1,3,5-Trichlorobenzene
 Concen: 2.244 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 8176
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.6 113.4
 184 31.3 24.2 36.2
 145 31.6 22.7 34.1

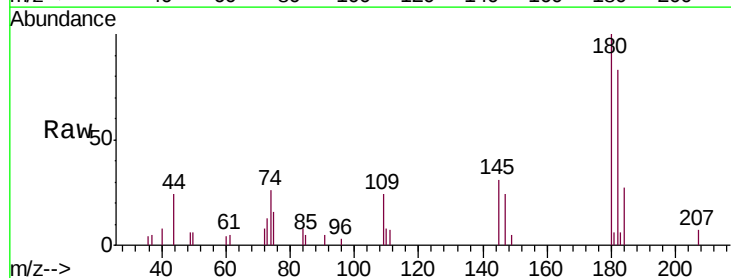


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

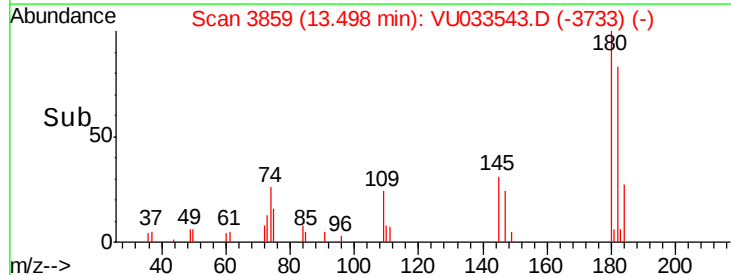
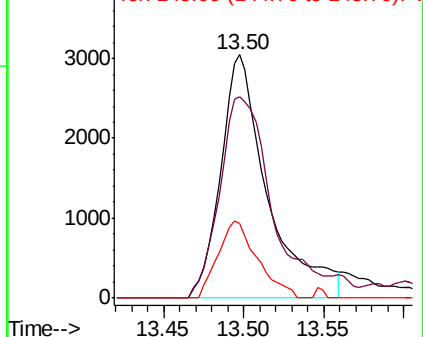


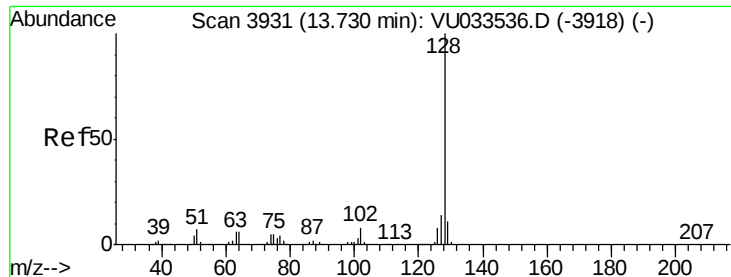
#68
 1,2,4-trichlorobenzene
 Concen: 1.972 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033543.D
 Acq: 01 Aug 2019 12:03

Tgt Ion:180 Resp: 6139
 Ion Ratio Lower Upper
 180 100
 182 91.6 75.8 113.8
 145 26.6 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: 1.427 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

MDL06

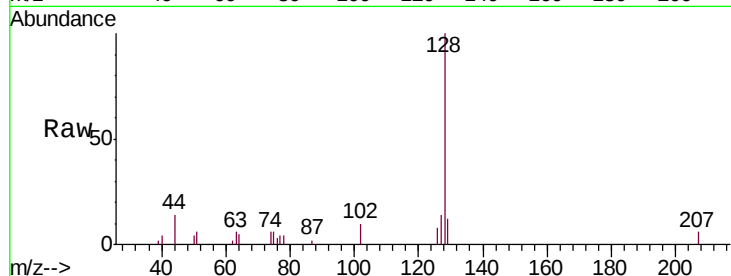
Tgt Ion:128 Resp: 12746

Ion Ratio Lower Upper

128 100

127 11.6 10.8 16.2

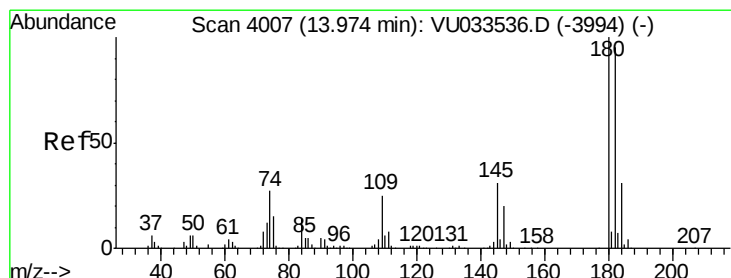
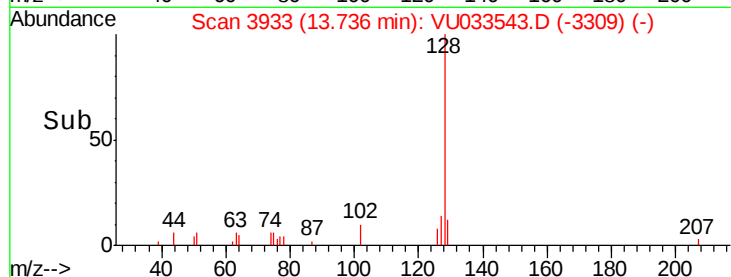
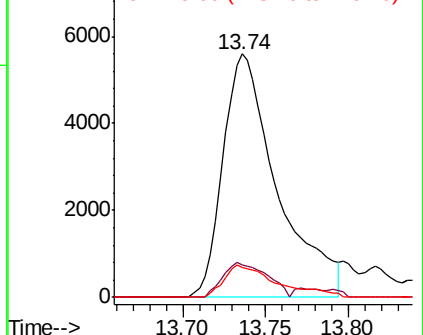
129 11.3 8.7 13.1



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: 1.982 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.01 min

Lab File: VU033543.D

Acq: 01 Aug 2019 12:03

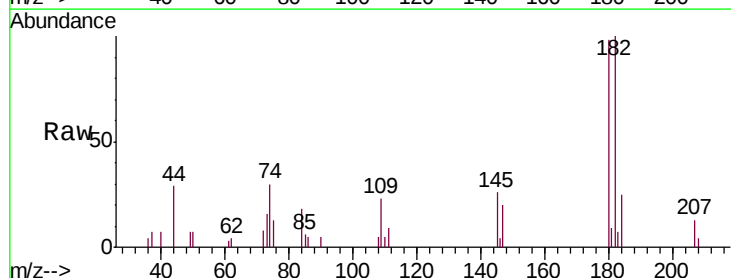
Tgt Ion:180 Resp: 6491

Ion Ratio Lower Upper

180 100

182 96.4 75.5 113.3

145 26.7 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

