

Data File : VU033536.D
Acq On : 01 Aug 2019 09:15
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: Aug 02 01:47:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 15:11:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	308653	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	305427	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	164132	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	97852	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.20%
7) Chloroethane-d5	1.67	69	89574	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.04%
11) 1,1-Dichloroethene-d2	2.26	63	189992	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.30%
21) 2-Butanone-d5	4.15	46	153912	103.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.55%
24) Chloroform-d	4.62	84	187411	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
26) 1,2-Dichloroethane-d4	5.29	65	117334	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
32) Benzene-d6	5.32	84	364887	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.38%
36) 1,2-Dichloropropane-d6	6.31	67	116142	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.86%
41) Toluene-d8	7.55	98	340124	47.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.88%
43) trans-1,3-Dichloropropene-	7.83	79	57503	48.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.68%
47) 2-Hexanone-d5	8.30	63	115855	102.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.81%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	182922	49.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	142164	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	157500	54.111 ug/L	98
3) Chloromethane	1.32	50	152037	51.857 ug/L	99
5) Vinyl chloride	1.40	62	161003	51.226 ug/L	99
6) Bromomethane	1.62	94	143670	51.808 ug/L	99
8) Chloroethane	1.69	64	99744	52.227 ug/L	97
9) Trichlorofluoromethane	1.87	101	220396	53.606 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	113005	54.217 ug/L	99
12) 1,1-Dichloroethene	2.27	96	105074	52.569 ug/L	96
13) Acetone	2.31	43	190334	125.166 ug/L	100
14) Carbon disulfide	2.46	76	323157	51.547 ug/L	99
15) Methyl Acetate	2.60	43	128436	53.052 ug/L	99
16) Methylene chloride	2.68	84	121041	53.016 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	109580	52.328 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	341390	53.459 ug/L	100
19) 1,1-Dichloroethane	3.42	63	208275	52.987 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	123332	52.471 ug/L	98
22) 2-Butanone	4.24	43	215080	118.475 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Thu Aug 01 15:11:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	66062	53.867	ug/L	95
25) Chloroform	4.65	83	218416	52.802	ug/L	99
27) 1,2-Dichloroethane	5.38	62	171514	53.848	ug/L	99
29) Cyclohexane	4.97	56	179046	53.743	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	186112	52.958	ug/L	99
31) Carbon tetrachloride	5.11	117	166471	54.395	ug/L	98
33) Benzene	5.37	78	470497	53.398	ug/L	100
34) Trichloroethene	6.16	95	119336	51.344	ug/L	99
35) Methylcyclohexane	6.40	83	199351	54.964	ug/L	99
37) 1,2-Dichloropropane	6.41	63	125574	53.243	ug/L	100
38) Bromodichloromethane	6.74	83	165677	54.340	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	196736	53.444	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	352284	108.185	ug/L	99
42) Toluene	7.62	91	514478	54.302	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	178163	53.555	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	119800	53.506	ug/L	99
46) Tetrachloroethene	8.21	164	99466	52.419	ug/L	96
48) 2-Hexanone	8.34	43	299180	113.666	ug/L	99
49) Dibromochloromethane	8.46	129	134502	52.800	ug/L	98
50) 1,2-Dibromoethane	8.57	107	131207	52.904	ug/L	98
51) Chlorobenzene	9.10	112	327425	52.786	ug/L	100
52) Ethylbenzene	9.23	91	551971	54.103	ug/L	100
53) m,p-Xylene	9.36	106	212622	54.287	ug/L	98
54) o-xylene	9.76	106	207736	54.678	ug/L	99
55) Styrene	9.77	104	358891	55.618	ug/L	99
56) Isopropylbenzene	10.15	105	537813	54.177	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	212362	52.587	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	163225	52.432	ug/L	99
61) Bromoform	9.94	173	105424	53.173	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	265416	52.655	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	271528	51.849	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	266744	52.337	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	48613	51.626	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	208310	51.224	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	177147	50.980	ug/L	98
69) Naphthalene	13.73	128	514625	51.620	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	188358	51.542	ug/L	99

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

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MSVOA_U
ClientSampleId :
VSTD05043

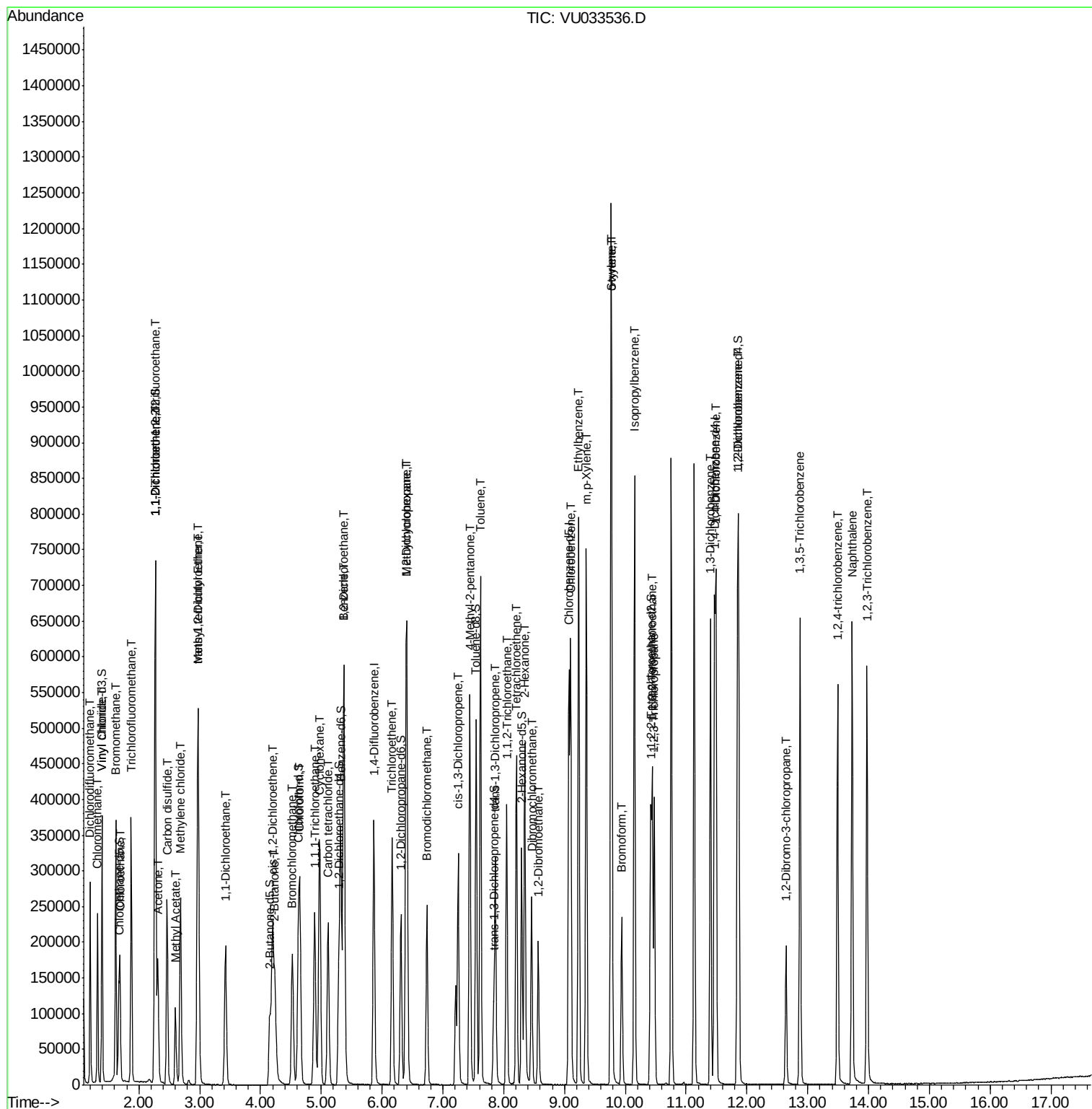
Quant Time: Aug 02 01:47:31 2019

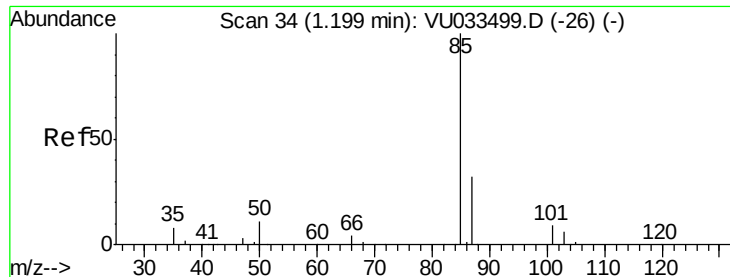
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM073119WMA.M

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QLast Update : Thu Aug 01 15:11:05 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 54.111 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

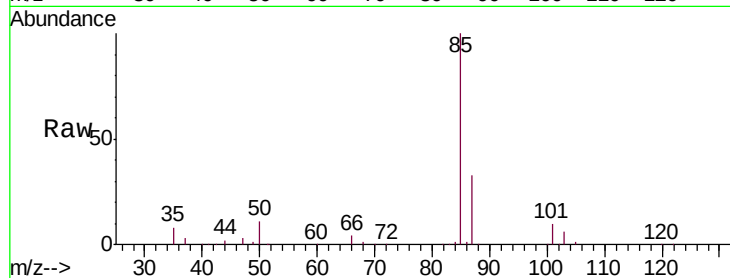
VSTD05043

Tgt Ion: 85 Resp: 157500

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033499.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033499.D (-26) (-)

1.20

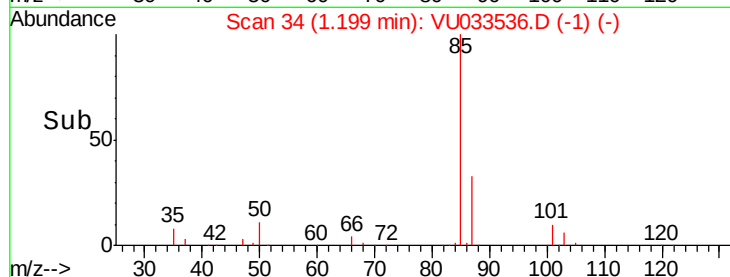
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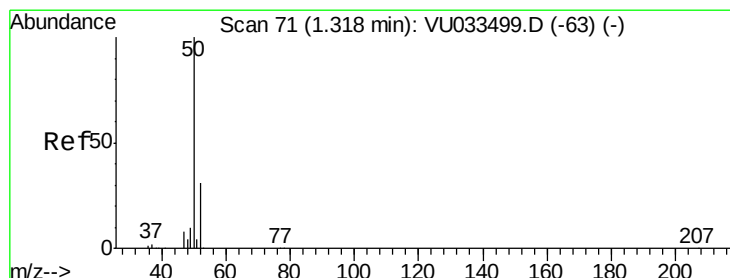
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 51.857 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033536.D

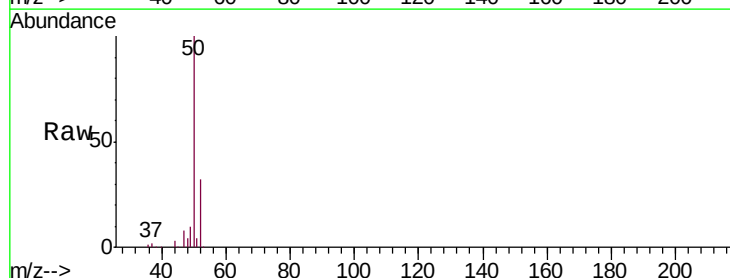
Acq: 01 Aug 2019 09:15

Tgt Ion: 50 Resp: 152037

Ion Ratio Lower Upper

50 100

52 32.4 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033499.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033499.D (-63) (-)

1.32

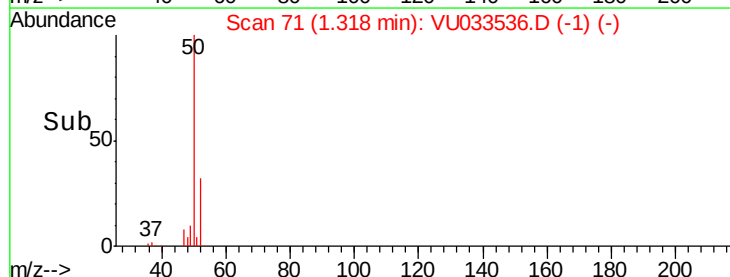
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100000

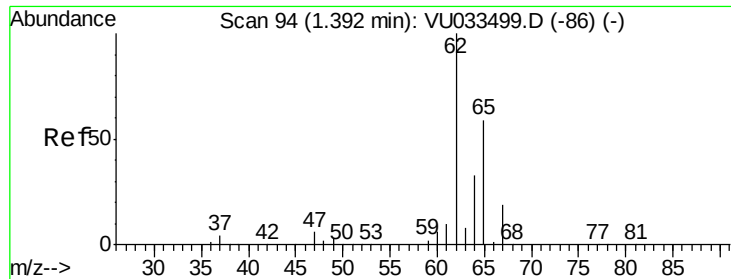
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 51.226 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

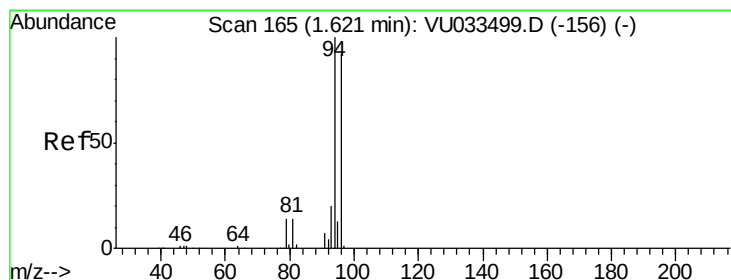
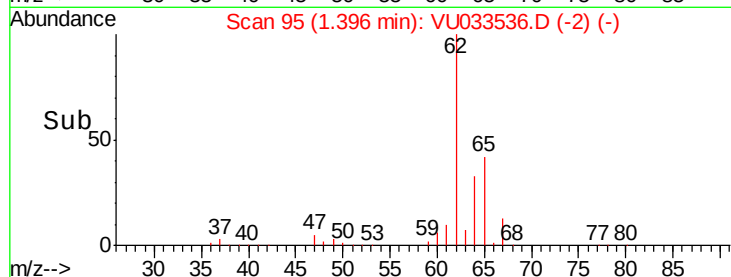
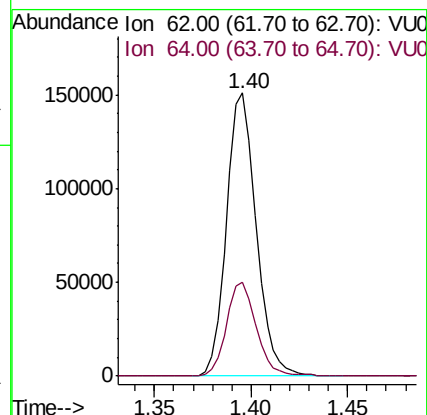
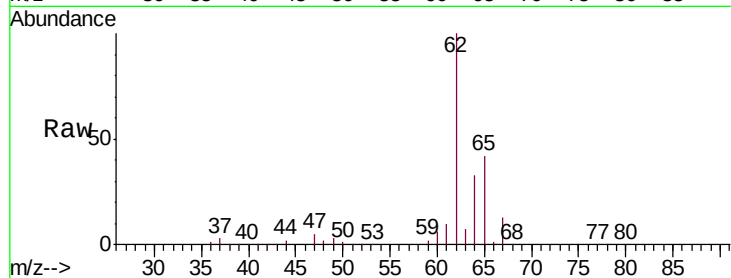
VSTD05043

Tgt Ion: 62 Resp: 161003

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.4



#6

Bromomethane

Concen: 51.808 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033536.D

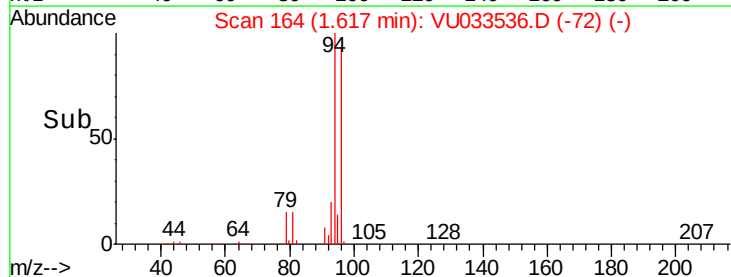
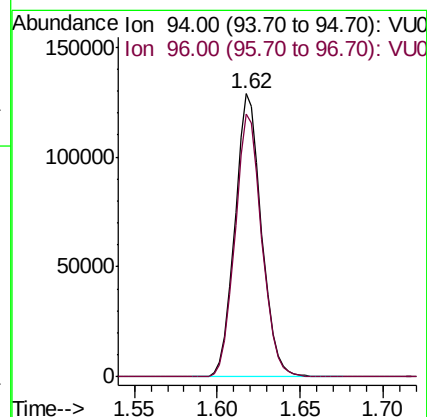
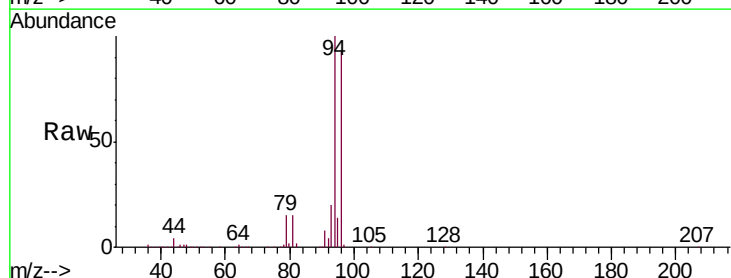
Acq: 01 Aug 2019 09:15

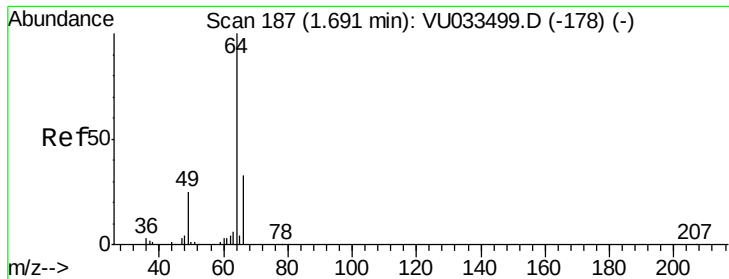
Tgt Ion: 94 Resp: 143670

Ion Ratio Lower Upper

94 100

96 93.0 64.4 119.6





#8

Chloroethane

Concen: 52.227 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

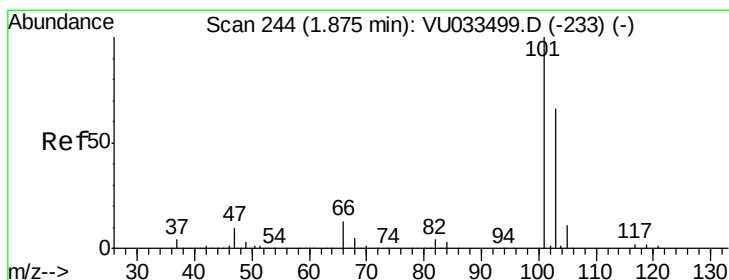
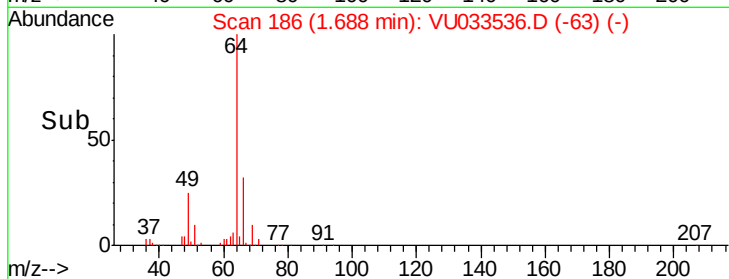
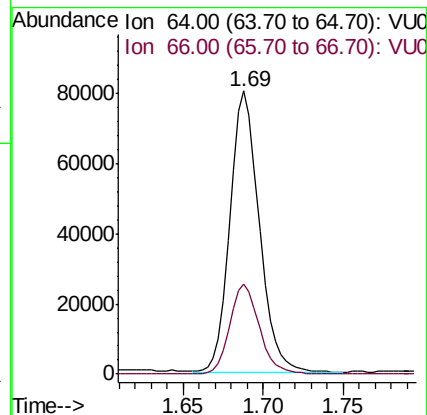
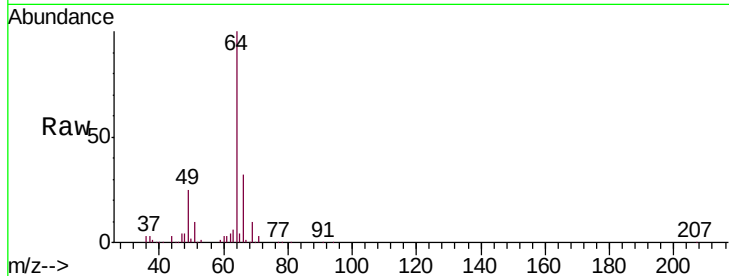
VSTD05043

Tgt Ion: 64 Resp: 99744

Ion Ratio Lower Upper

64 100

66 31.6 21.1 39.3



#9

Trichlorofluoromethane

Concen: 53.606 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033536.D

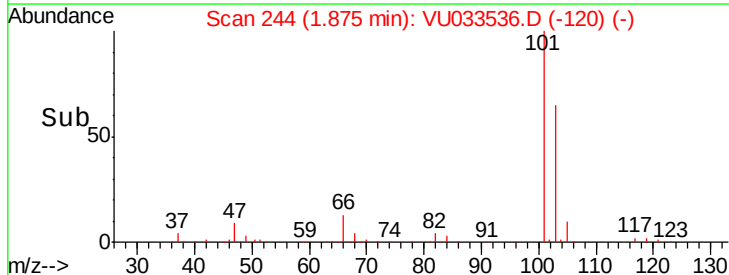
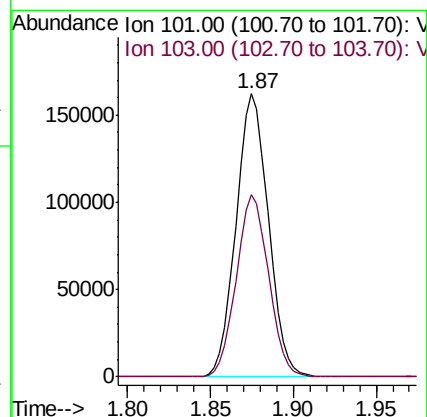
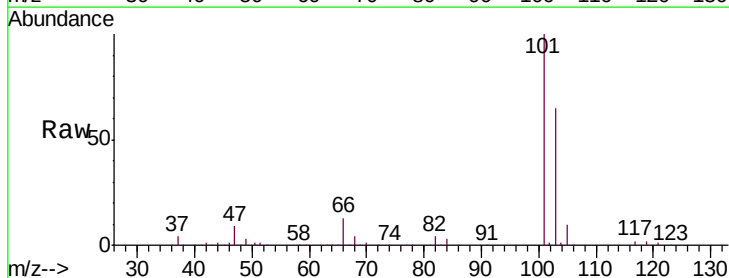
Acq: 01 Aug 2019 09:15

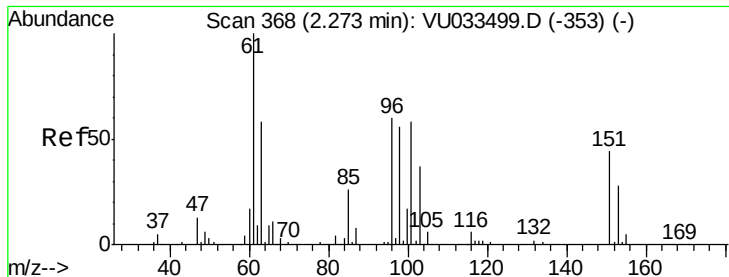
Tgt Ion: 101 Resp: 220396

Ion Ratio Lower Upper

101 100

103 64.3 51.6 77.4





#10

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

Concen: 54.217 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

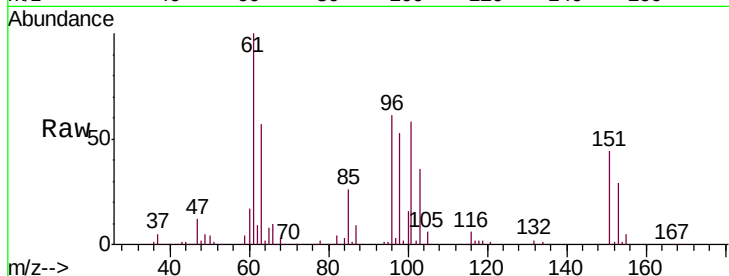
Tgt Ion: 101 Resp: 113005

Ion Ratio Lower Upper

101 100

85 43.9 35.8 53.8

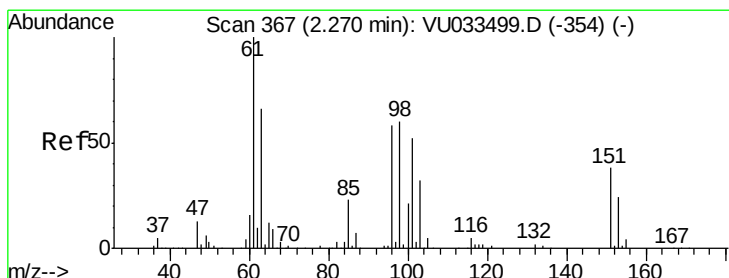
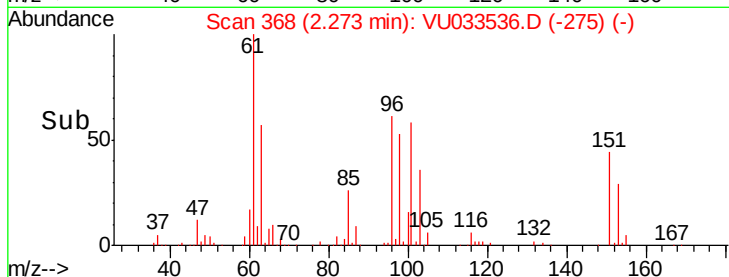
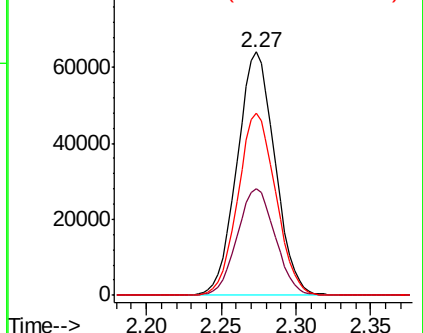
151 74.7 60.1 90.1



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: 52.569 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

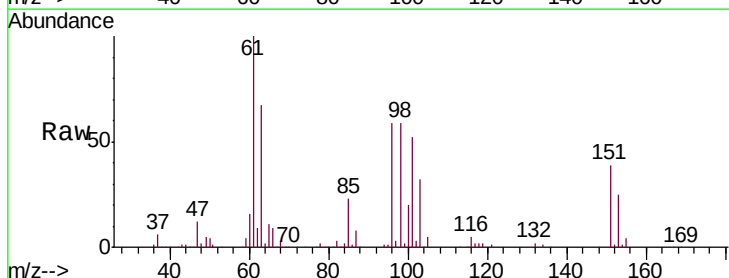
Tgt Ion: 96 Resp: 105074

Ion Ratio Lower Upper

96 100

61 170.3 119.3 221.5

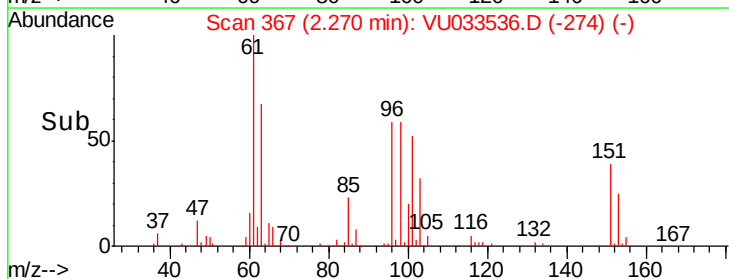
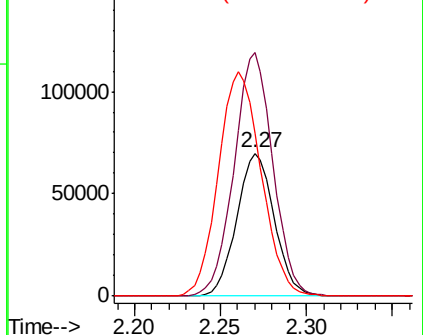
63 113.8 86.6 160.8

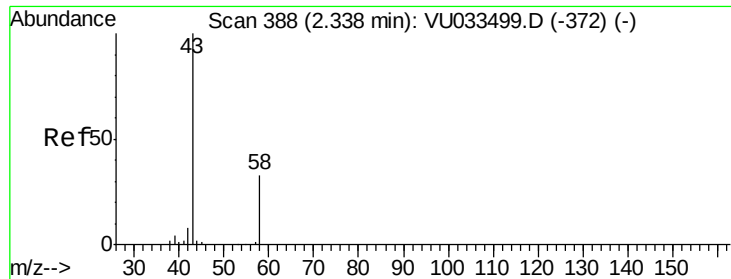


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 125.166 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

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ClientSampleId :

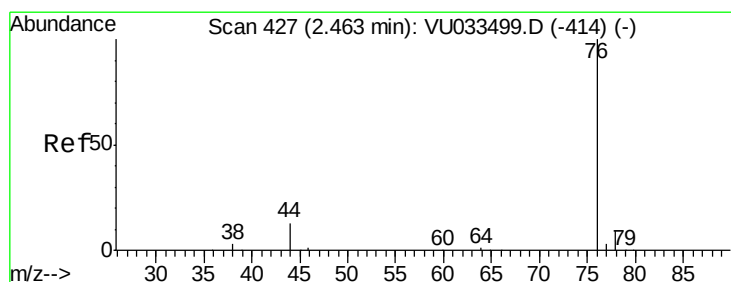
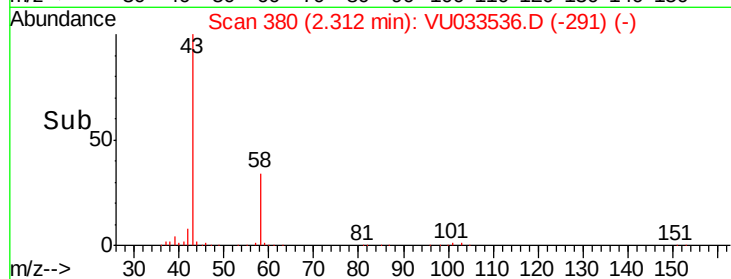
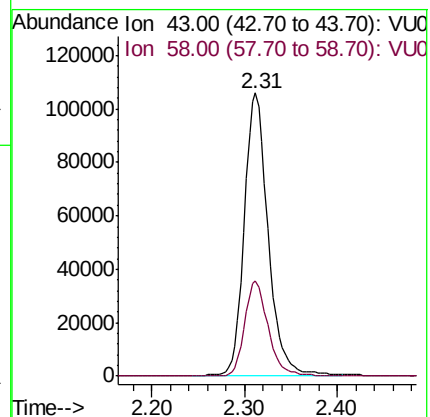
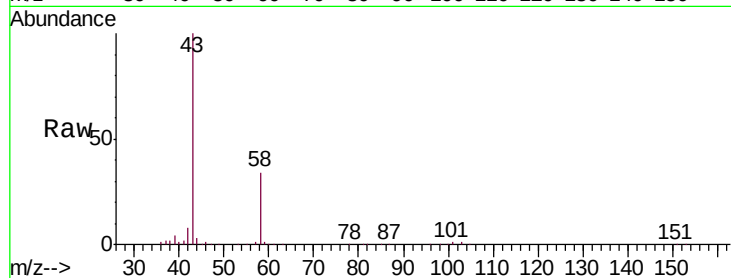
VSTD05043

Tgt Ion: 43 Resp: 190334

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.2



#14

Carbon disulfide

Concen: 51.547 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033536.D

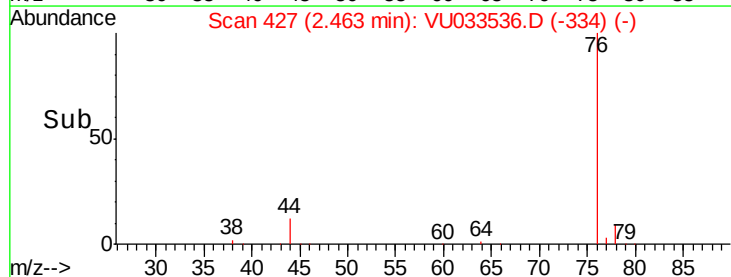
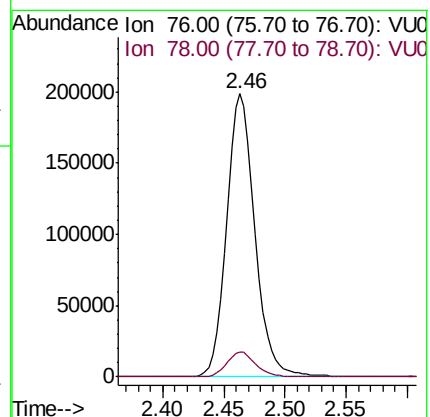
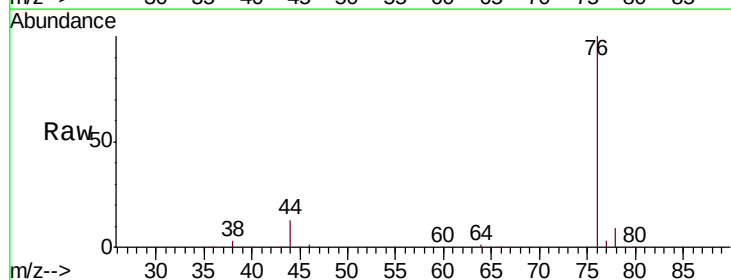
Acq: 01 Aug 2019 09:15

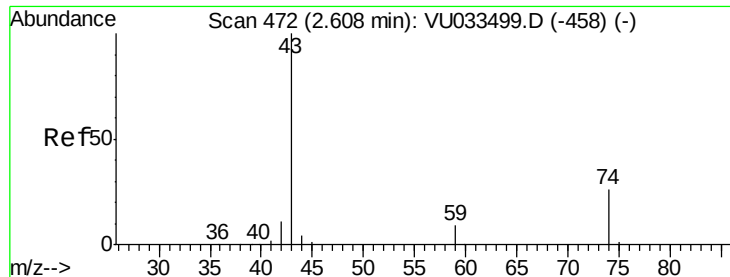
Tgt Ion: 76 Resp: 323157

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methyl Acetate

Concen: 53.052 ug/L

RT: 2.60 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

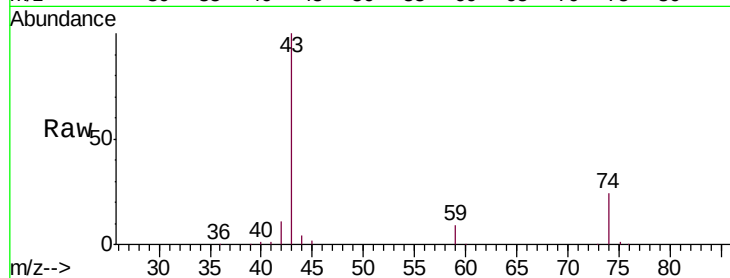
VSTD05043

Tgt Ion: 43 Resp: 128436

Ion Ratio Lower Upper

43 100

74 24.6 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VU033536.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU033536.D (-458) (-)

2.60

60000

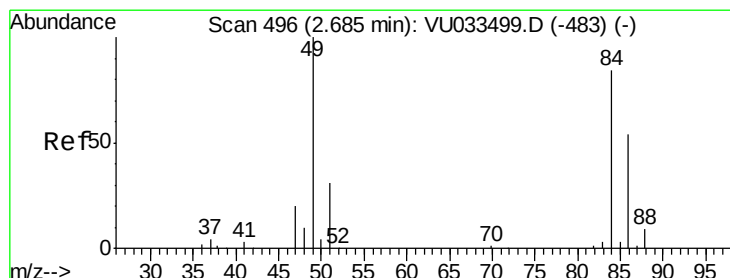
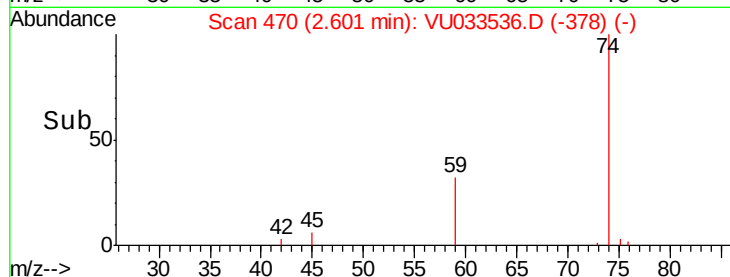
40000

20000

0

Time-->

2.50 2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 53.016 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

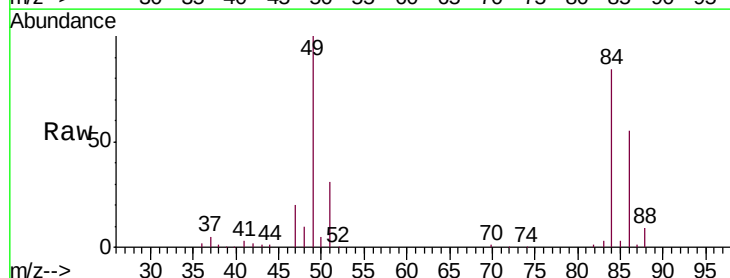
Tgt Ion: 84 Resp: 121041

Ion Ratio Lower Upper

84 100

86 64.8 45.7 84.9

49 118.8 85.0 158.0



Abundance Ion 84.00 (83.70 to 84.70): VU033536.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU033536.D (-403) (-)

Ion 49.00 (48.70 to 49.70): VU033536.D (-403) (-)

2.68

100000

80000

60000

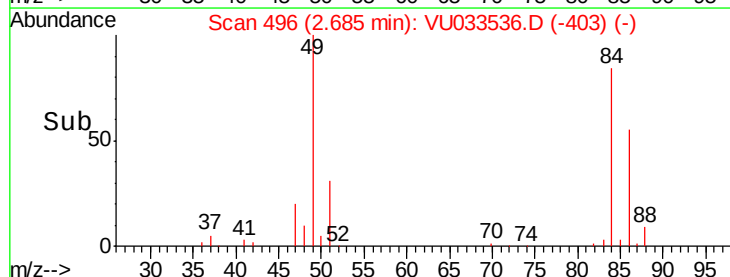
40000

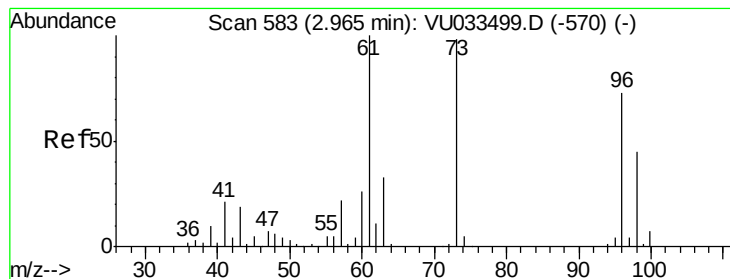
20000

0

Time-->

2.60 2.65 2.70 2.75





#17

trans-1,2-Dichloroethene

Concen: 52.328 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampled :

VSTD05043

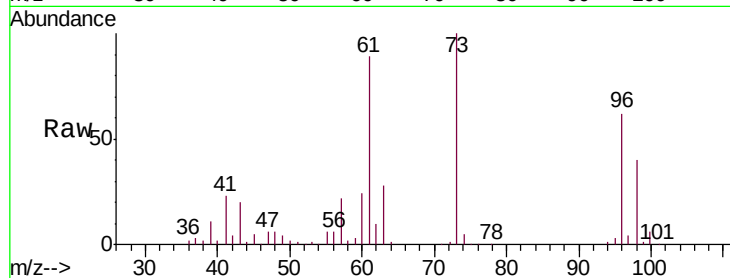
Tgt Ion: 96 Resp: 109580

Ion Ratio Lower Upper

96 100

61 142.1 98.3 182.5

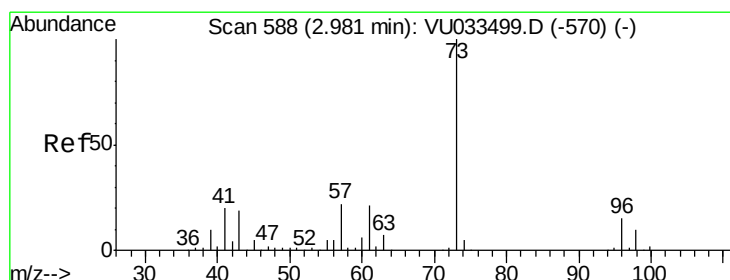
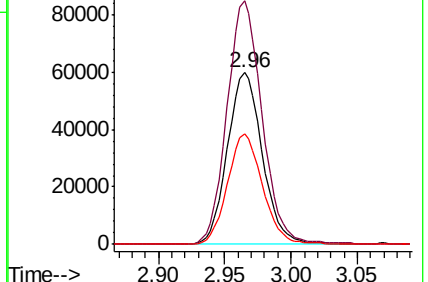
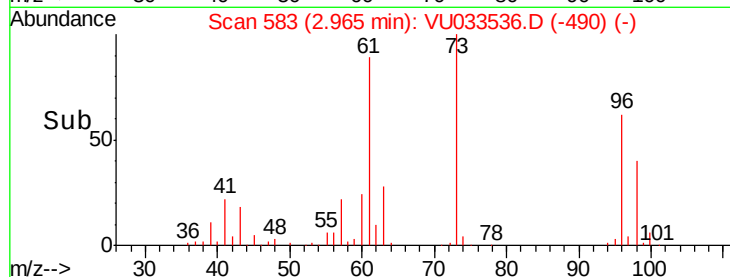
98 64.5 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033536.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033536.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033536.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 53.459 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

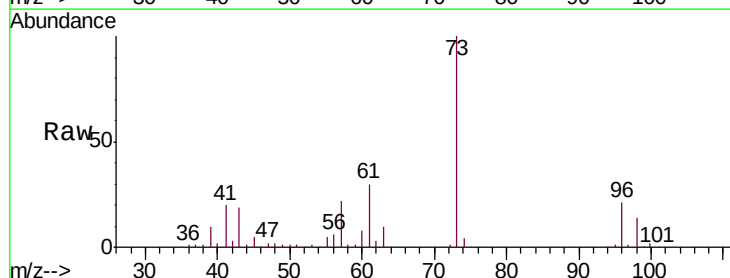
Tgt Ion: 73 Resp: 341390

Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.2

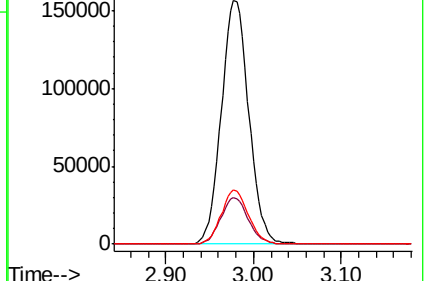
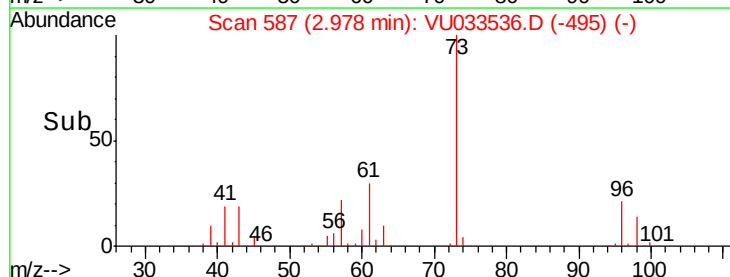
57 22.0 17.4 26.2

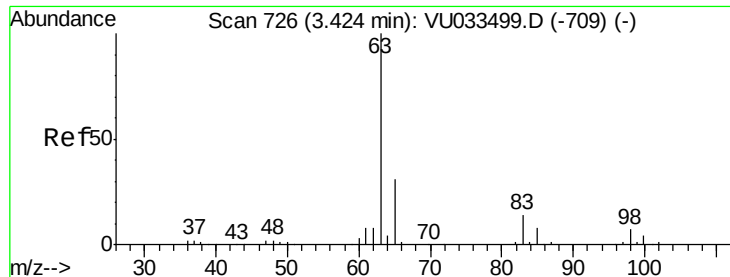


Abundance Ion 73.00 (72.70 to 73.70): VU033536.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU033536.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU033536.D (-495) (-)

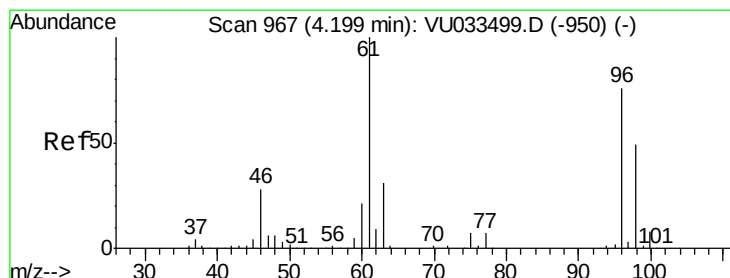
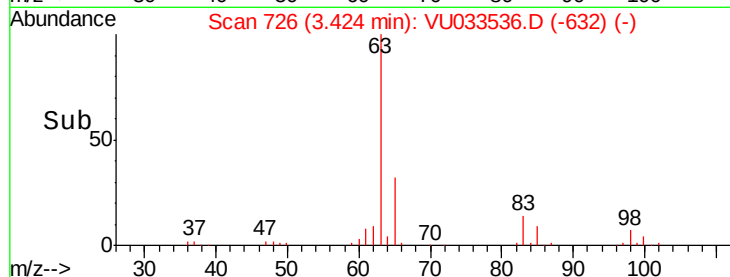
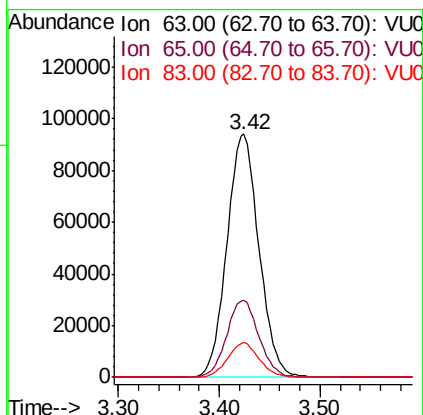
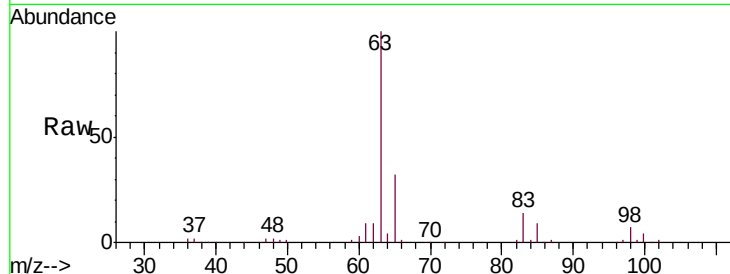




#19
 1,1-Dichloroethane
 Concen: 52.987 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

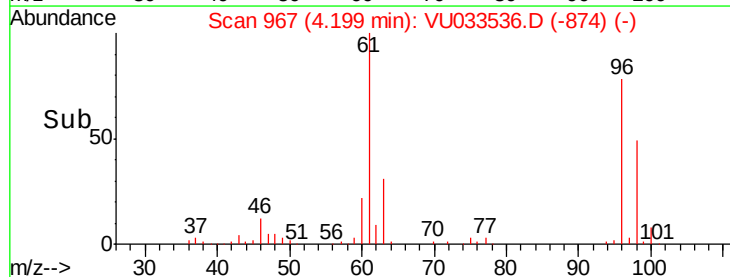
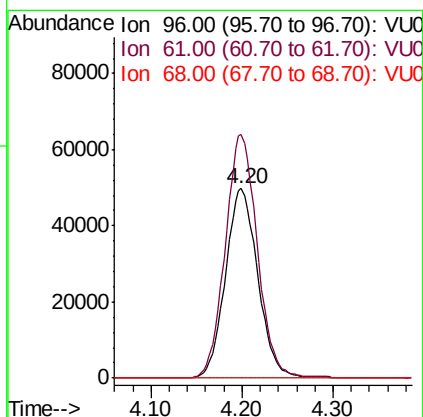
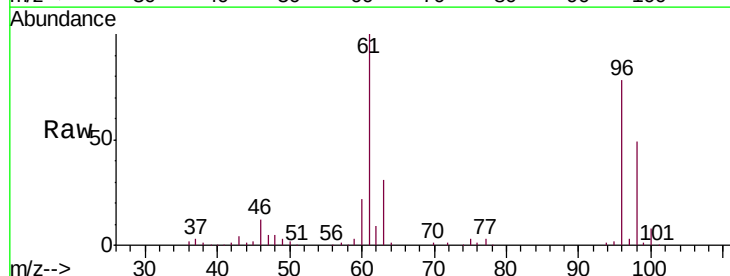
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

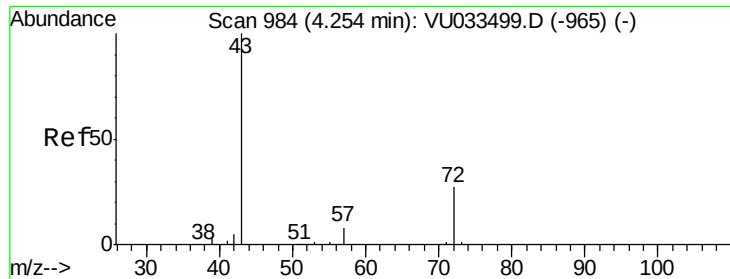
Tgt Ion: 63 Resp: 208275
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.0 40.8
 83 14.2 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 52.471 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

Tgt Ion: 96 Resp: 123332
 Ion Ratio Lower Upper
 96 100
 61 128.3 91.3 169.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 118.475 ug/L

RT: 4.24 min Scan# 979

Delta R.T. -0.01 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

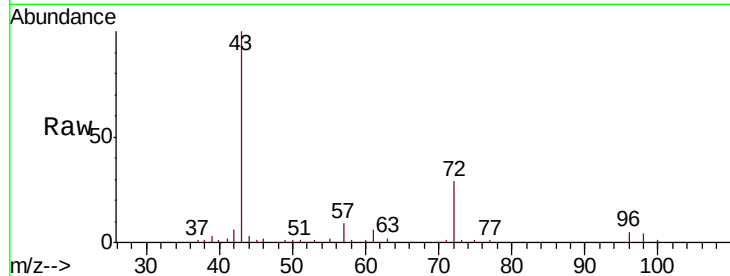
VSTD05043

Tgt Ion: 43 Resp: 215080

Ion Ratio Lower Upper

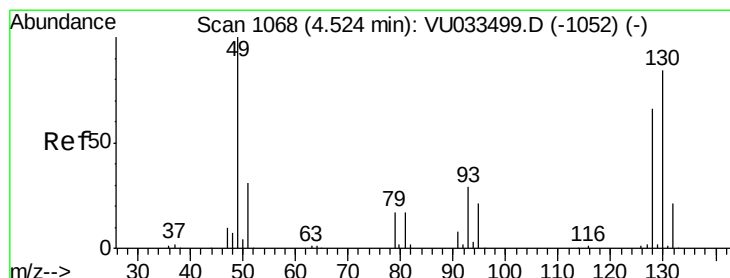
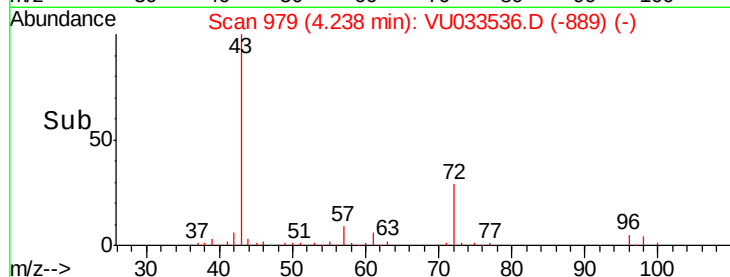
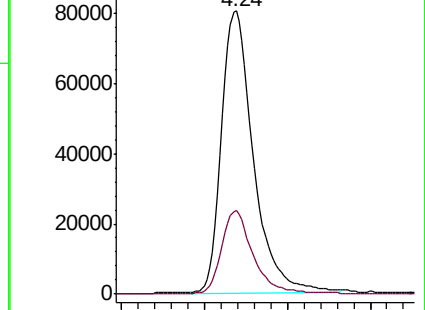
43 100

72 29.2 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VU033499.D (-965) (-)

Ion 72.00 (71.70 to 72.70): VU033499.D (-965) (-)



#23

Bromochloromethane

Concen: 53.867 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Tgt Ion: 128 Resp: 66062

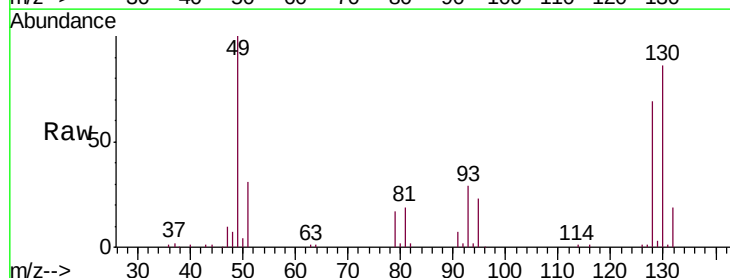
Ion Ratio Lower Upper

128 100

49 145.4 108.4 201.2

130 125.3 89.7 166.5

51 45.0 38.9 58.3

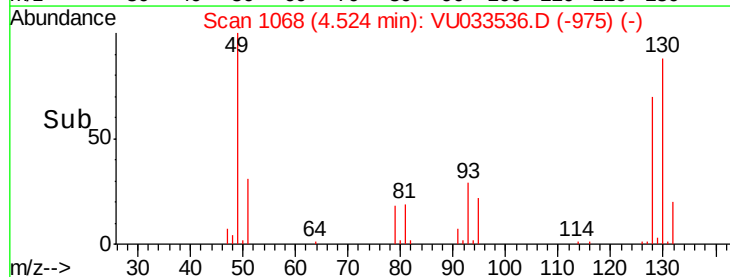
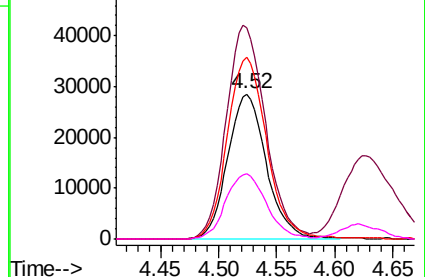


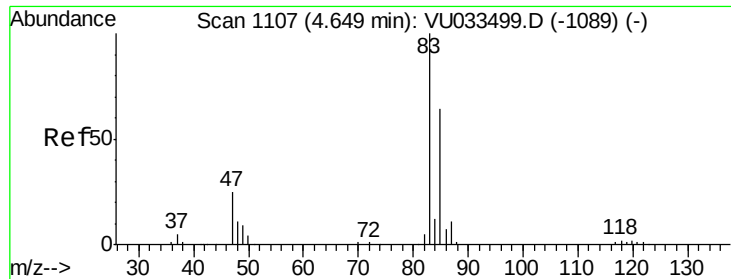
Abundance Ion 128.00 (127.70 to 128.70): VU033499.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033499.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033499.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033499.D (-1052) (-)

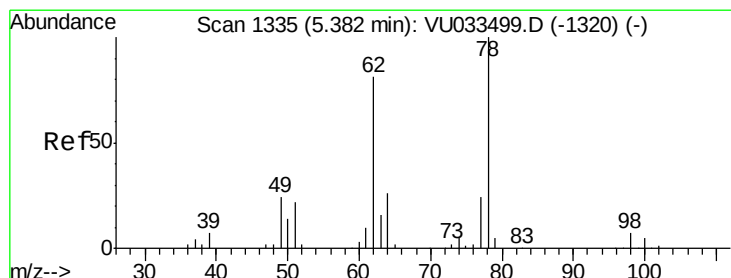
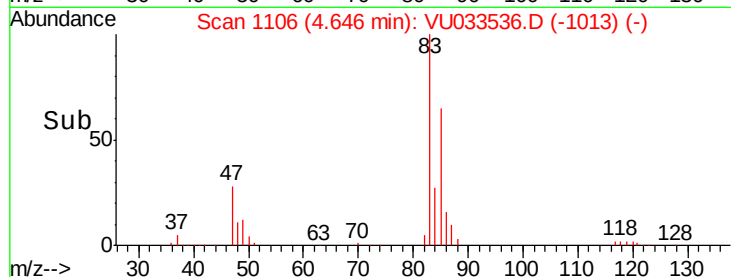
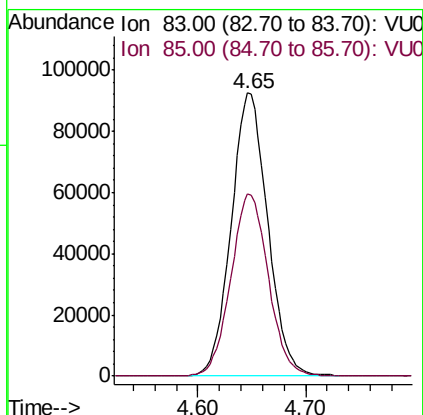
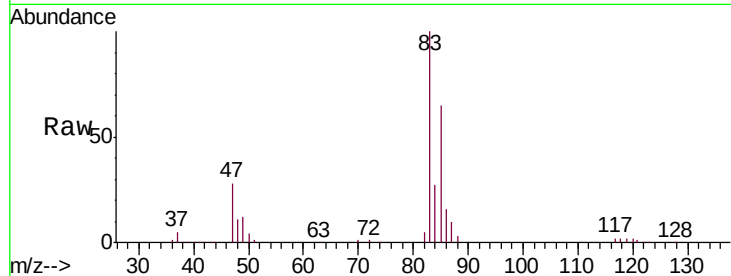




#25
Chloroform
Concen: 52.802 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033536.D
Acq: 01 Aug 2019 09:15

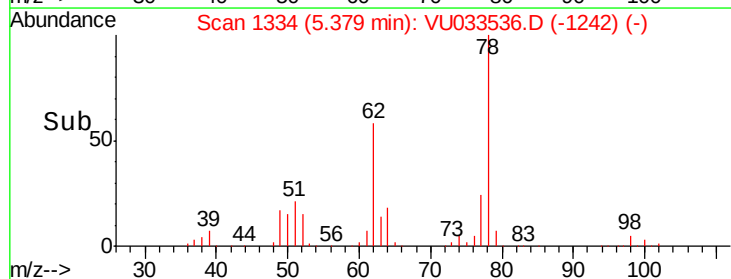
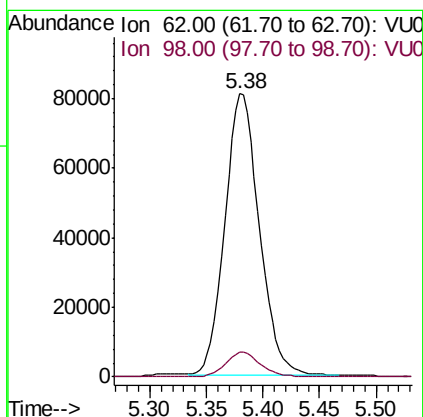
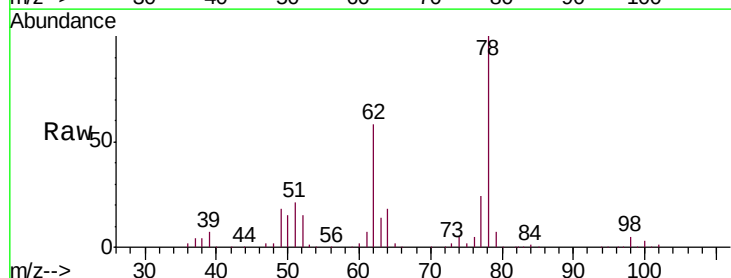
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

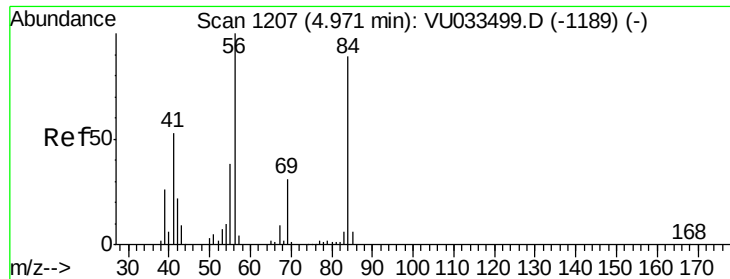
Tgt Ion: 83 Resp: 218416
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 53.848 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033536.D
Acq: 01 Aug 2019 09:15

Tgt Ion: 62 Resp: 171514
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8

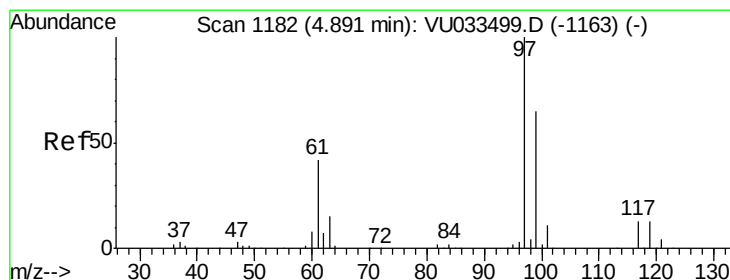
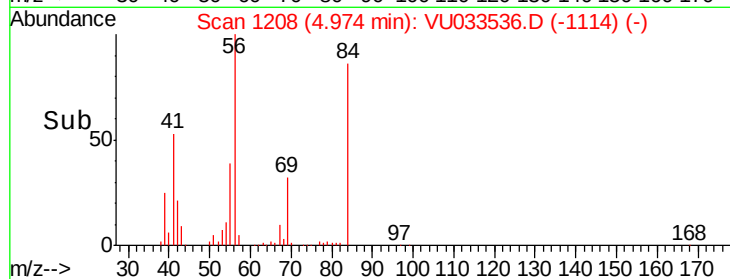
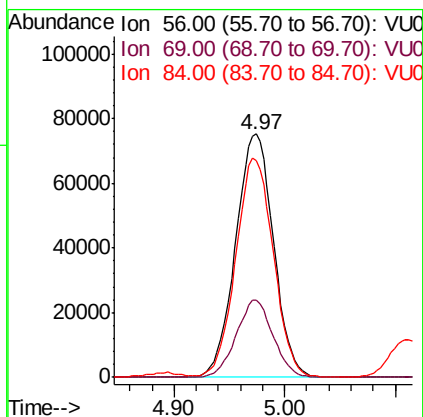
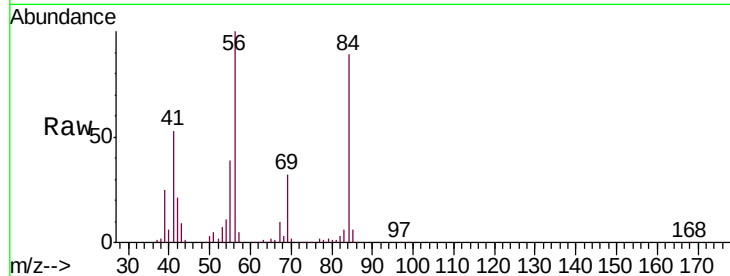




#29
Cyclohexane
Concen: 53.743 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033536.D
Acq: 01 Aug 2019 09:15

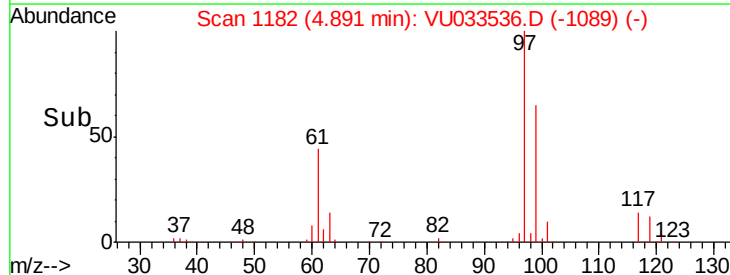
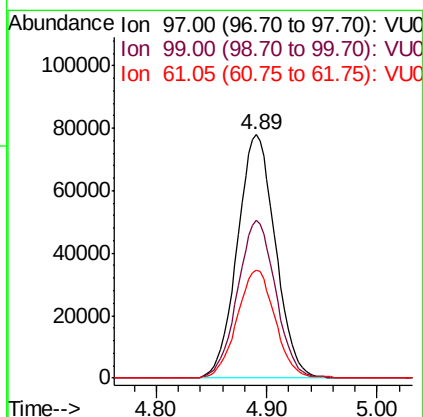
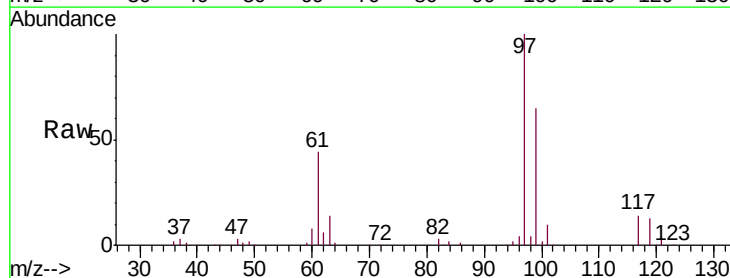
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

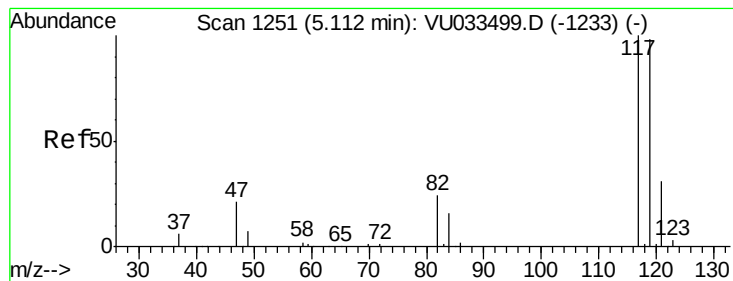
Tgt Ion: 56 Resp: 179046
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.6
84 89.2 71.6 107.4



#30
1,1,1-Trichloroethane
Concen: 52.958 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033536.D
Acq: 01 Aug 2019 09:15

Tgt Ion: 97 Resp: 186112
Ion Ratio Lower Upper
97 100
99 64.9 51.1 76.7
61 44.3 35.5 53.3





#31

Carbon tetrachloride

Concen: 54.395 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

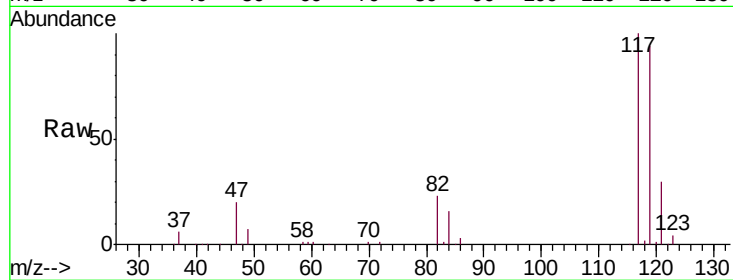
VSTD05043

Tgt Ion:117 Resp: 166471

Ion Ratio Lower Upper

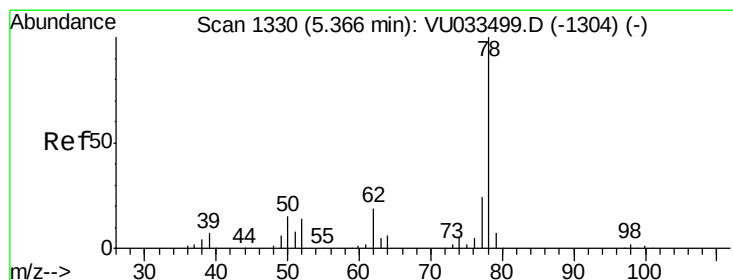
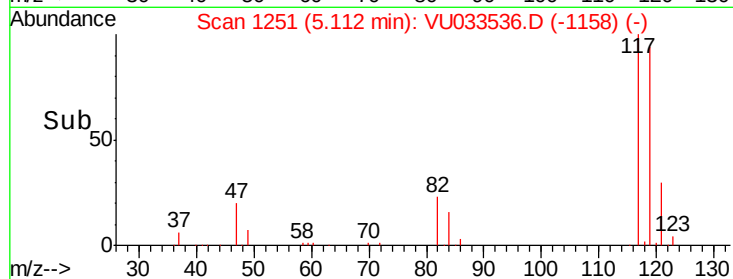
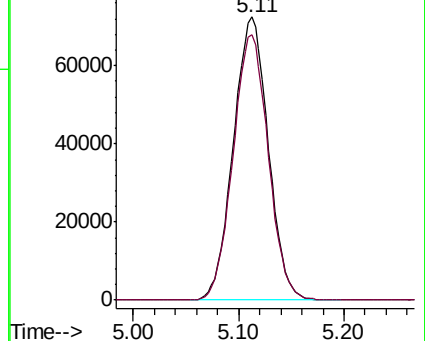
117 100

119 94.3 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: 53.398 ug/L

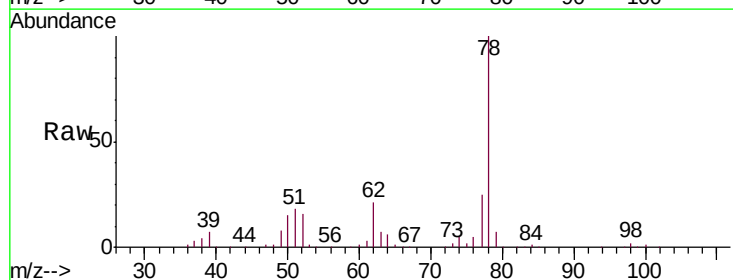
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU033536.D

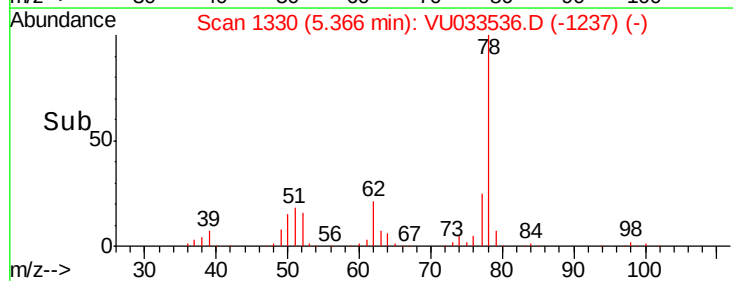
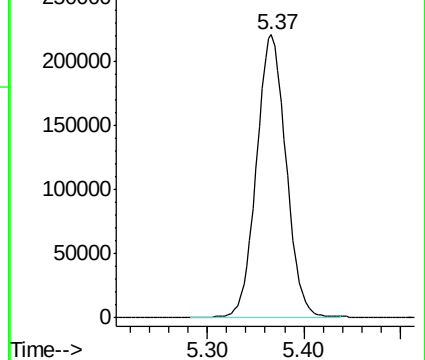
Acq: 01 Aug 2019 09:15

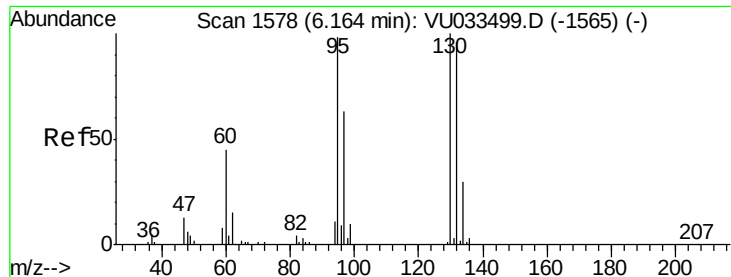
Tgt Ion: 78 Resp: 470497



Abundance Ion 78.00 (77.70 to 78.70): VU0

Time-->





#34

Trichloroethene

Concen: 51.344 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 95 Resp: 119336

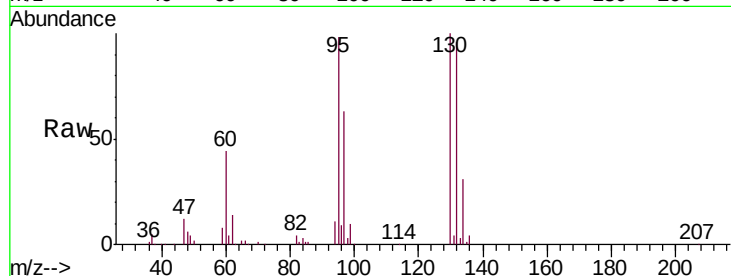
Ion Ratio Lower Upper

95 100

97 64.5 44.7 83.1

132 98.3 66.8 124.0

130 102.2 71.6 133.0



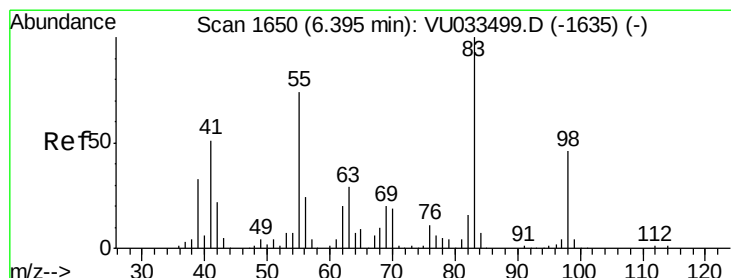
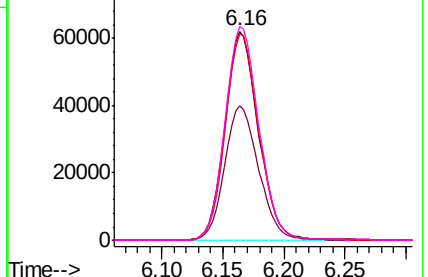
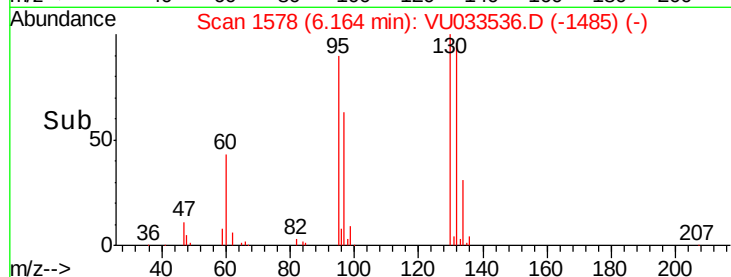
Abundance

Ion 95.00 (94.70 to 95.70): VU033536.D (-1557) (-)

Ion 97.00 (96.70 to 97.70): VU033536.D (-1557) (-)

Ion 132.00 (131.70 to 132.70): VU033536.D (-1557) (-)

Ion 130.00 (129.70 to 130.70): VU033536.D (-1557) (-)



#35

Methylcyclohexane

Concen: 54.964 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

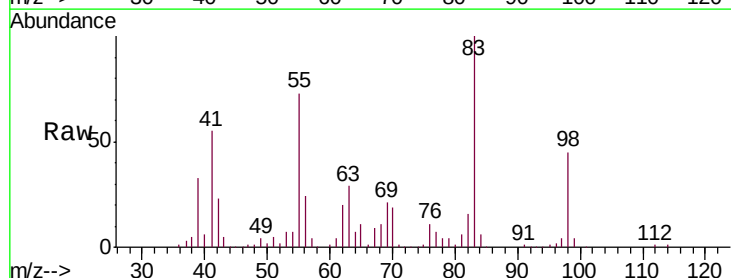
Tgt Ion: 83 Resp: 199351

Ion Ratio Lower Upper

83 100

55 73.9 60.2 90.4

98 45.3 36.5 54.7

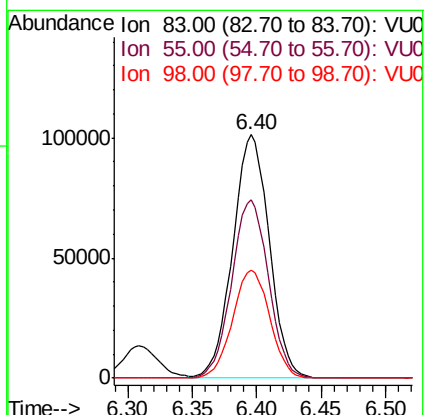
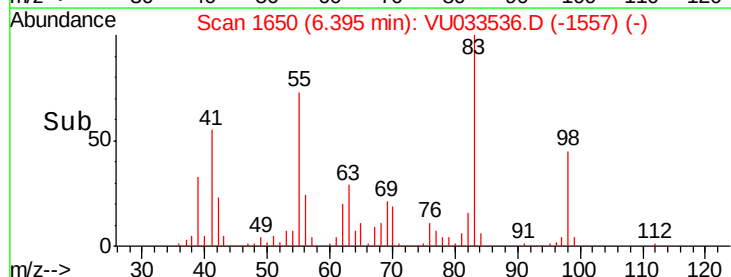


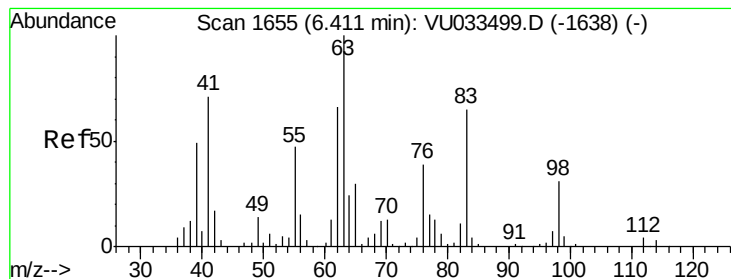
Abundance

Ion 83.00 (82.70 to 83.70): VU033536.D (-1557) (-)

Ion 55.00 (54.70 to 55.70): VU033536.D (-1557) (-)

Ion 98.00 (97.70 to 98.70): VU033536.D (-1557) (-)





#37

1,2-Dichloropropane

Concen: 53.243 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

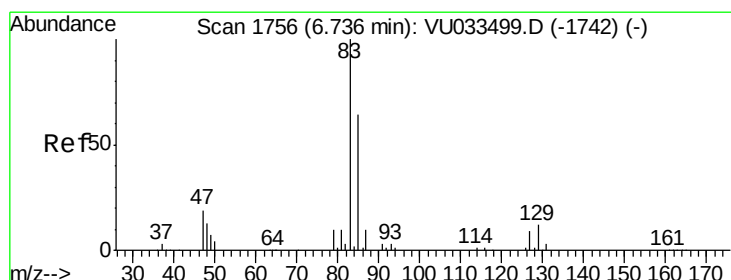
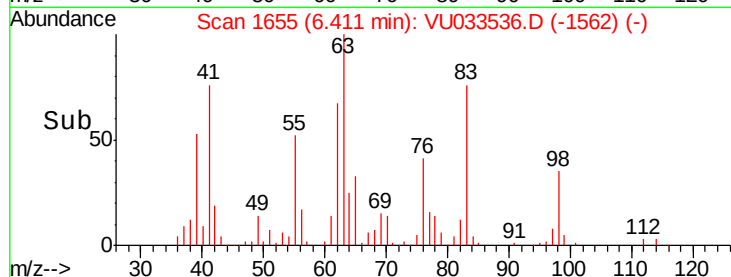
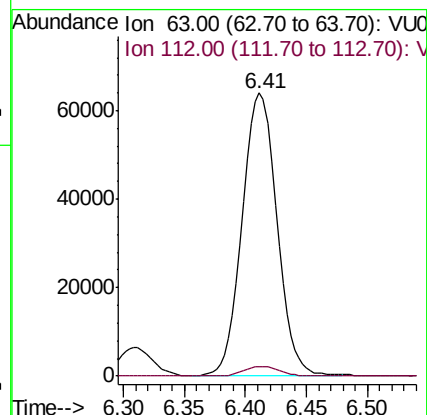
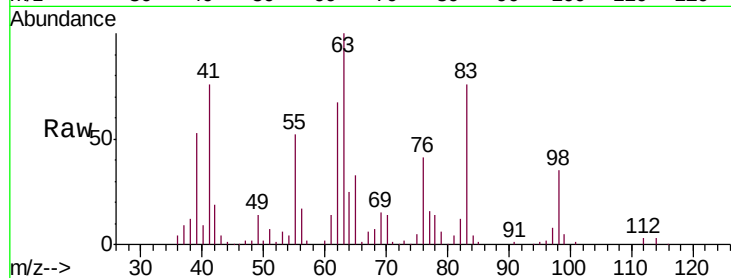
VSTD05043

Tgt Ion: 63 Resp: 125574

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 54.340 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

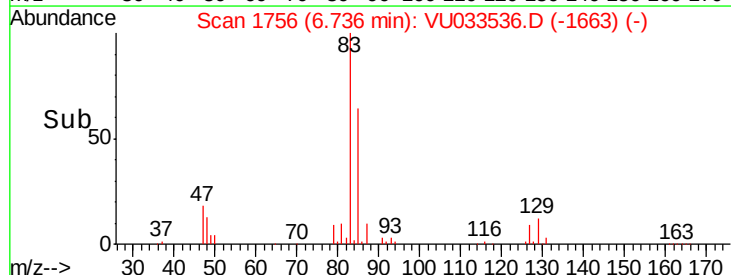
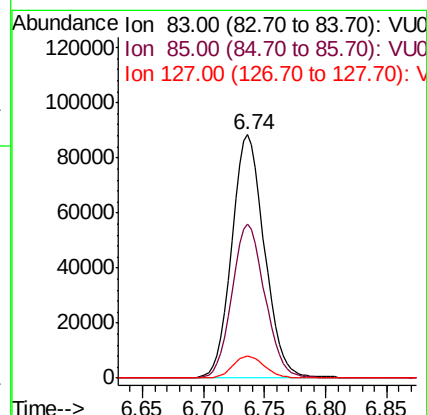
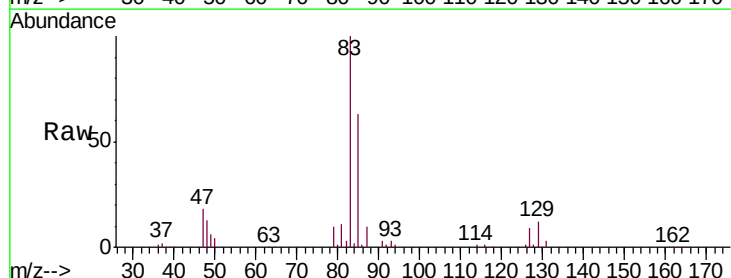
Tgt Ion: 83 Resp: 165677

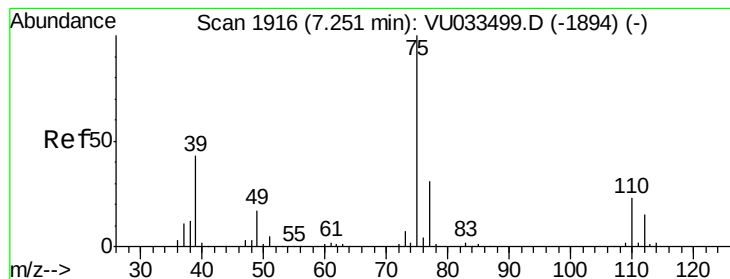
Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

127 9.1 7.2 10.8



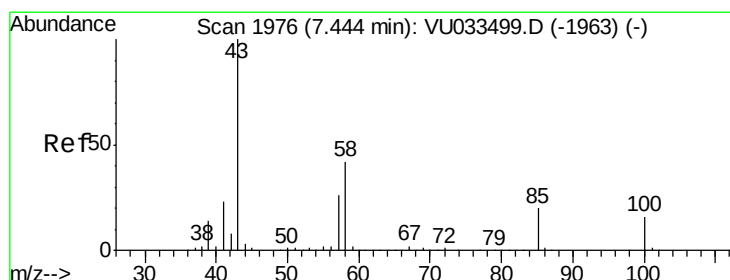
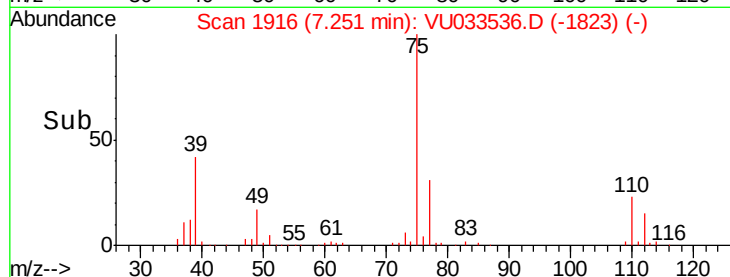
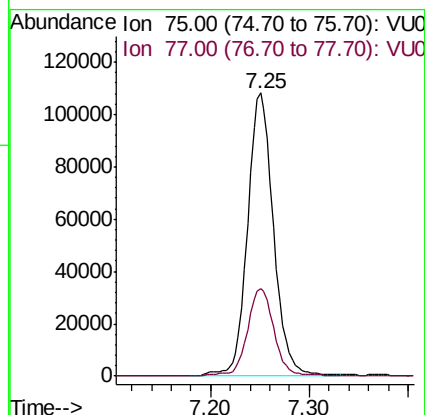
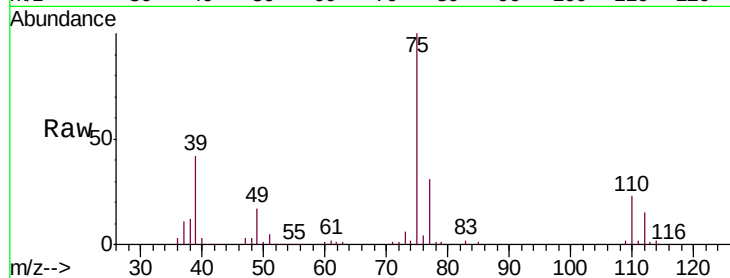


#39

cis-1,3-Dichloropropene
 Concen: 53.444 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

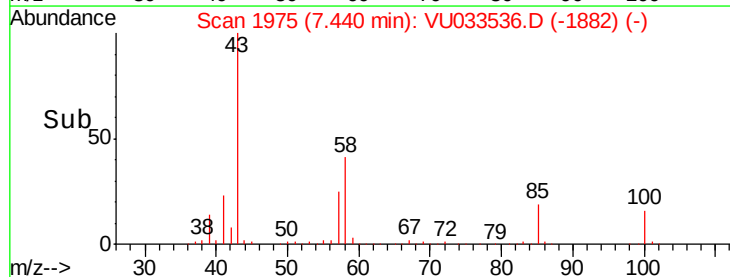
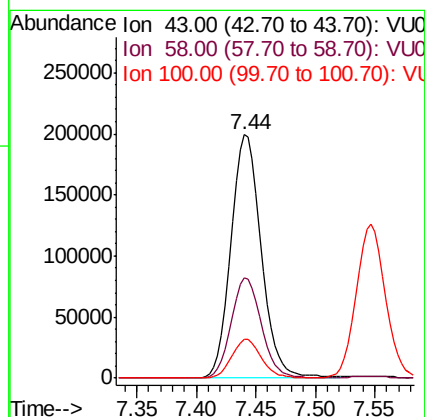
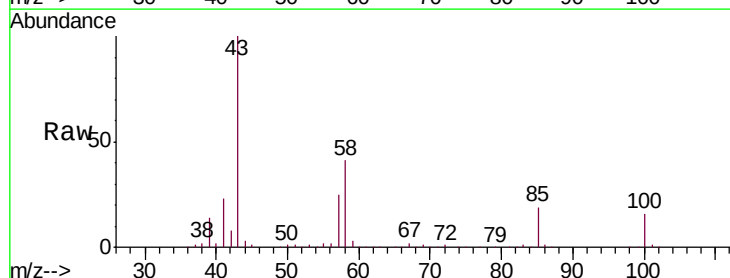
Tgt Ion: 75 Resp: 196736
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.5

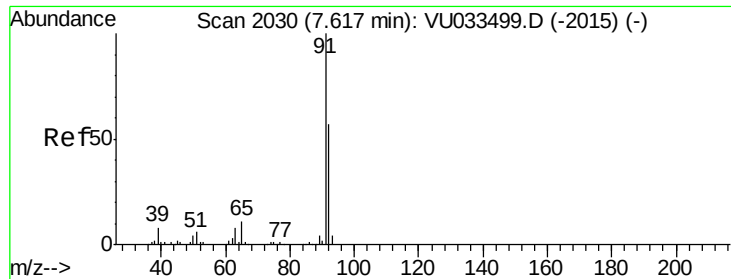


#40

4-Methyl-2-pentanone
 Concen: 108.185 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

Tgt Ion: 43 Resp: 352284
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.8 49.2
 100 15.5 12.9 19.3





#42

Toluene

Concen: 54.302 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

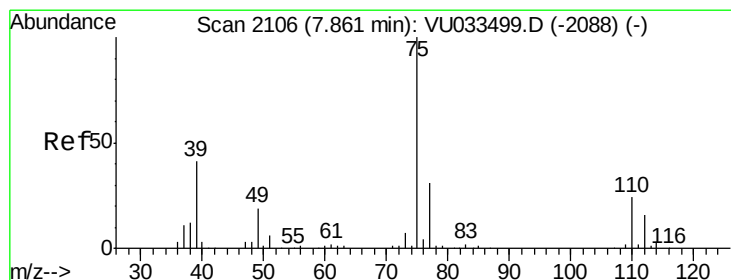
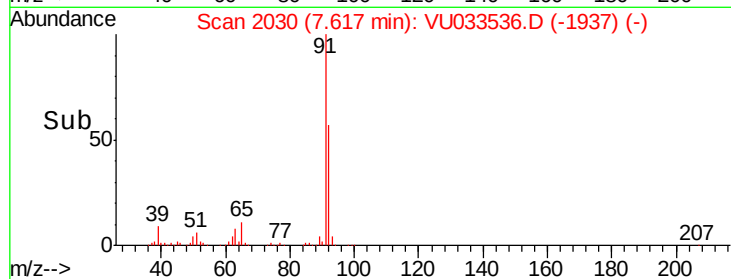
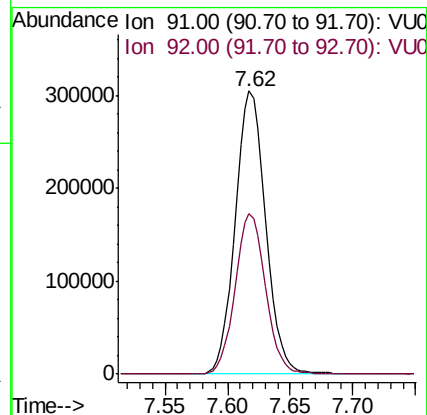
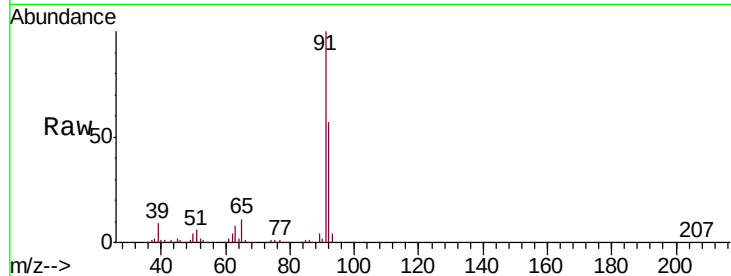
VSTD05043

Tgt Ion: 91 Resp: 514478

Ion Ratio Lower Upper

91 100

92 56.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 53.555 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033536.D

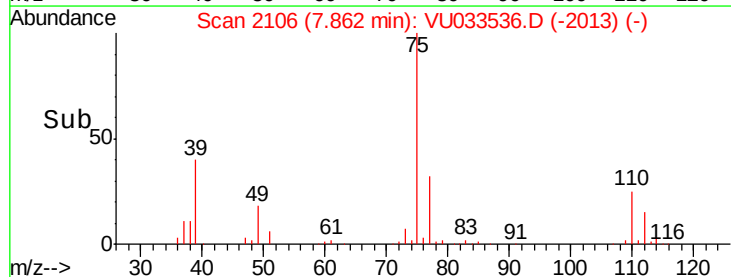
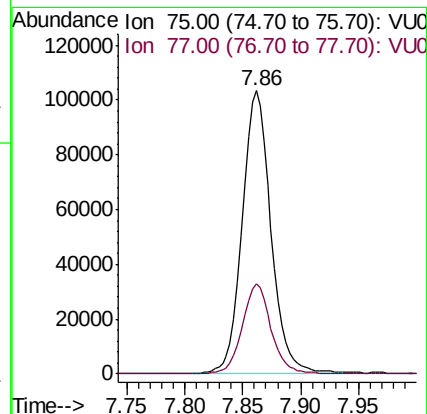
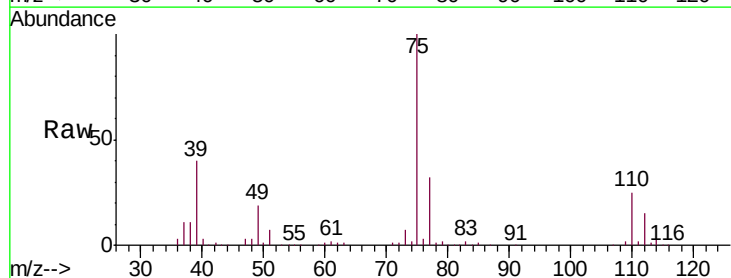
Acq: 01 Aug 2019 09:15

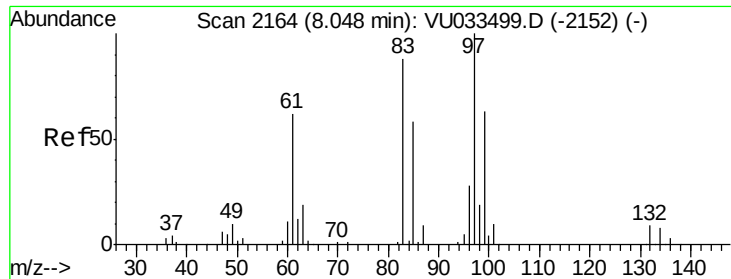
Tgt Ion: 75 Resp: 178163

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1

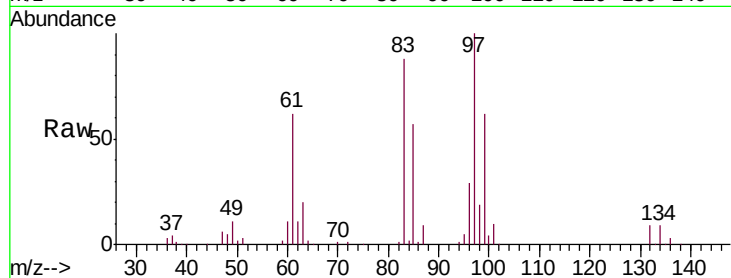




#45
 1,1,2-Trichloroethane
 Concen: 53.506 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion:	97	Resp:	119800
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.4	82.4
83	87.7	61.5	114.1
85	57.1	40.4	75.0



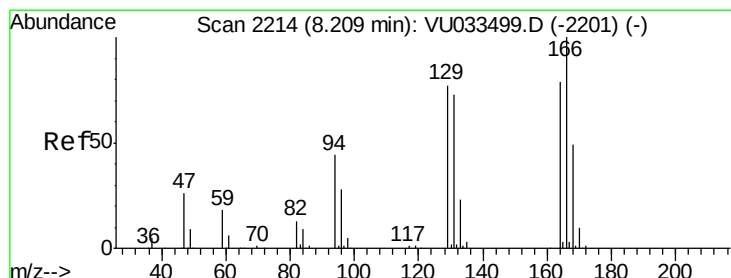
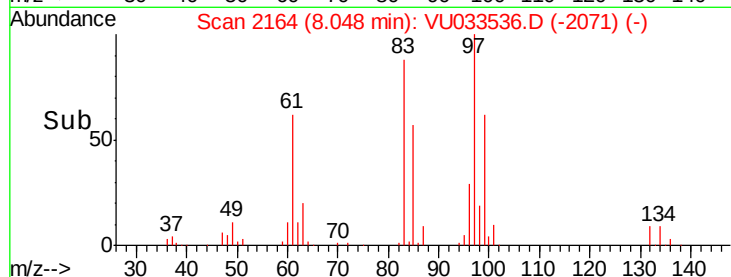
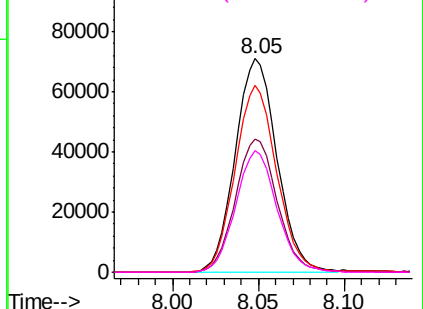
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 52.419 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

Tgt Ion:	164	Resp:	99466
Ion	Ratio	Lower	Upper
164	100		
129	96.9	65.5	121.7
131	93.1	63.3	117.7
166	131.7	88.2	163.8

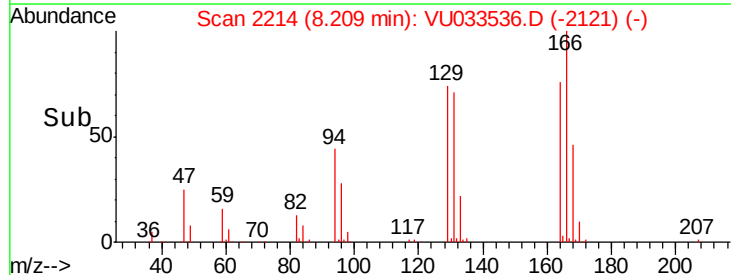
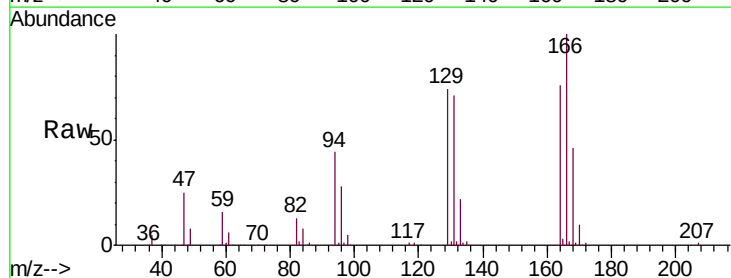
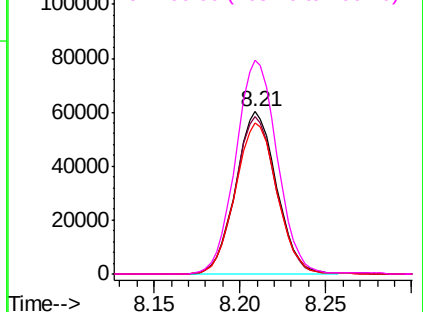
Abundance

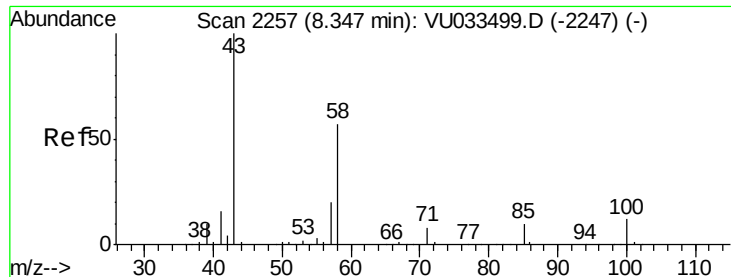
Ion 164.00 (163.70 to 164.70): V

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

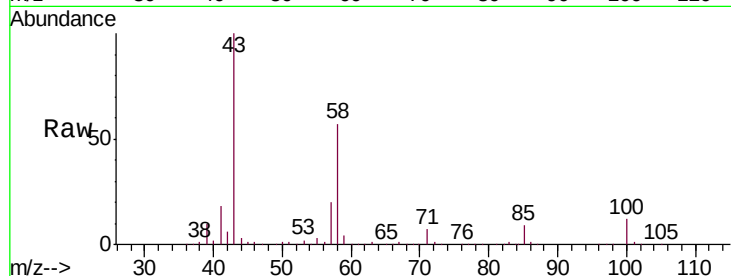




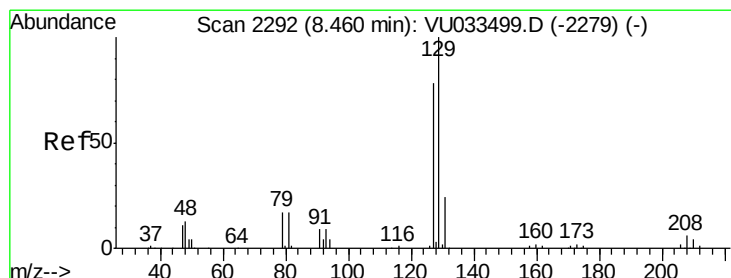
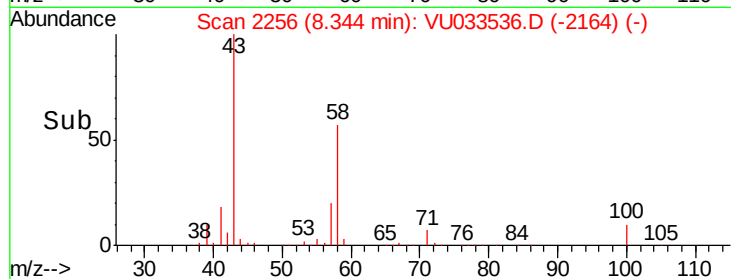
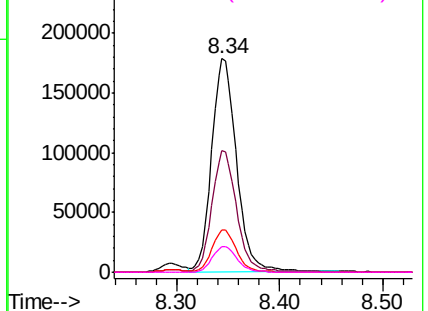
#48
2-Hexanone
Concen: 113.666 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033536.D
Acq: 01 Aug 2019 09:15

Instrument :
MSVOA_U
ClientSampled :
VSTD05043

Tgt Ion:	43	Resp:	299180
Ion	Ratio	Lower	Upper
43	100		
58	56.5	45.8	68.6
57	19.1	15.8	23.6
100	12.1	9.4	14.2

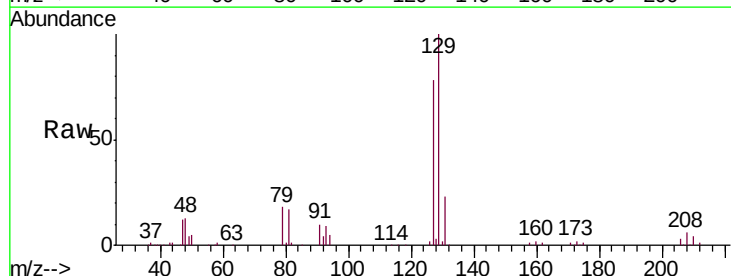


Abundance Ion 43.00 (42.70 to 43.70): VU033499.D (-2247) (-)
Ion 58.00 (57.70 to 58.70): VU033499.D (-2247) (-)
Ion 57.00 (56.70 to 57.70): VU033499.D (-2247) (-)
Ion 100.00 (99.70 to 100.70): VU033499.D (-2247) (-)

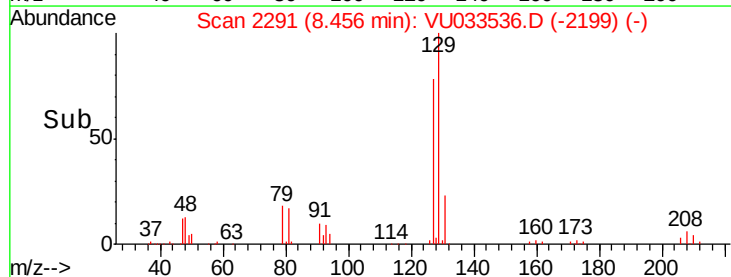
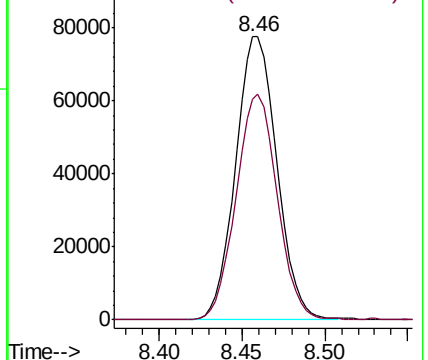


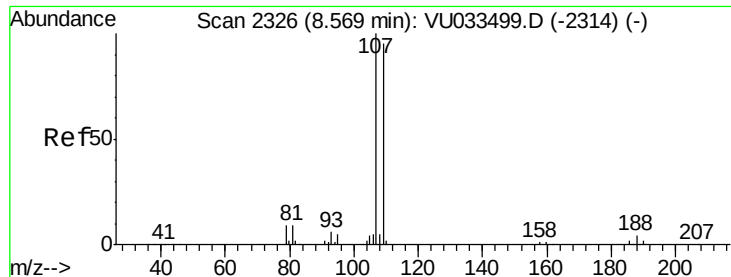
#49
Dibromochloromethane
Concen: 52.800 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033536.D
Acq: 01 Aug 2019 09:15

Tgt Ion:	129	Resp:	134502
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.8	99.8



Abundance Ion 129.00 (128.70 to 129.70): VU033499.D (-2279) (-)
Ion 127.00 (126.70 to 127.70): VU033499.D (-2279) (-)





#50

1,2-Dibromoethane

Concen: 52.904 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

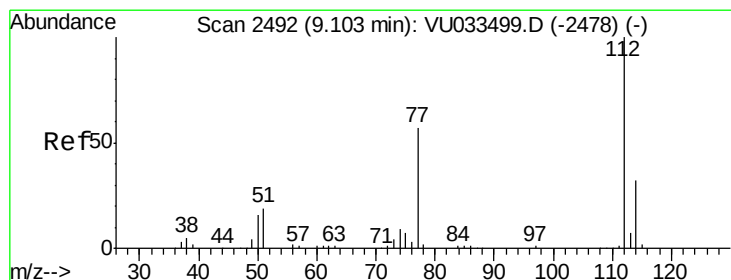
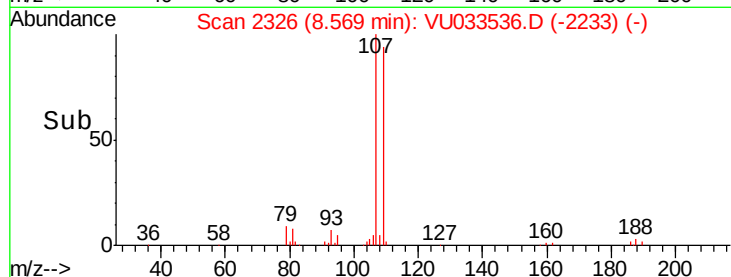
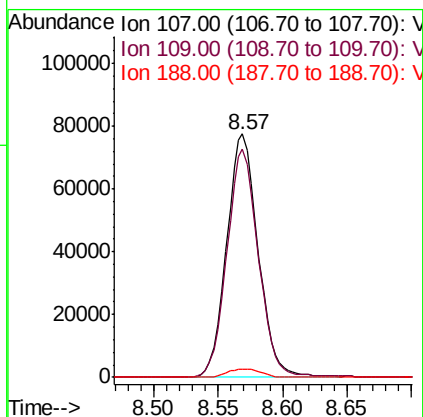
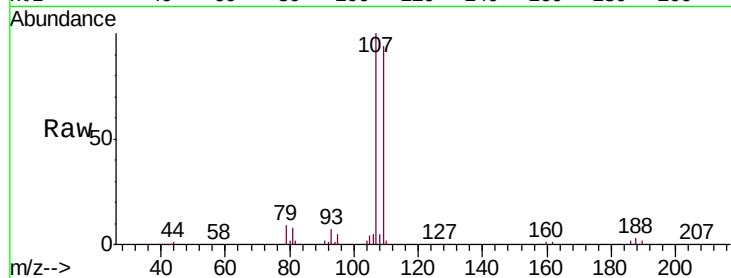
Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion:	107	Resp:	131207
Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.8	124.0
188	3.5	3.0	4.4



#51

Chlorobenzene

Concen: 52.786 ug/L

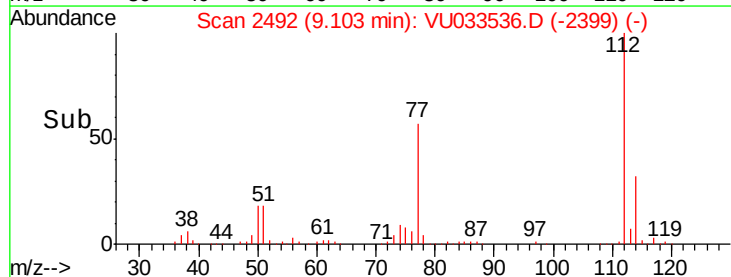
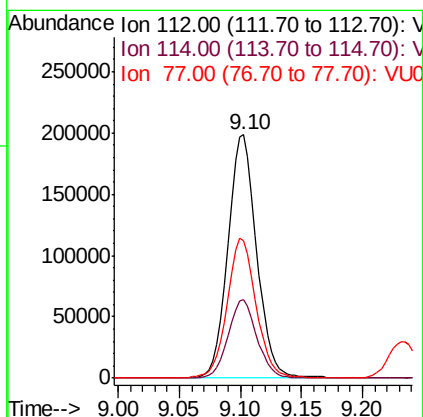
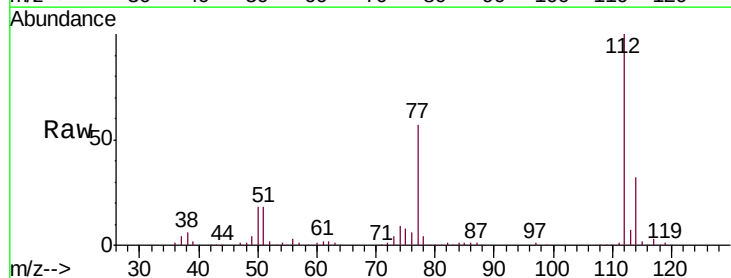
RT: 9.10 min Scan# 2492

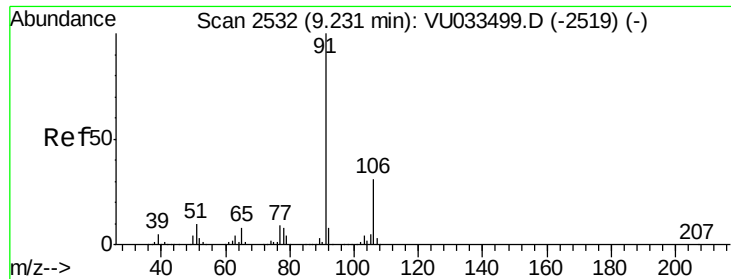
Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Tgt Ion:	112	Resp:	327425
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	56.7	45.6	68.4





#52

Ethylbenzene

Concen: 54.103 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

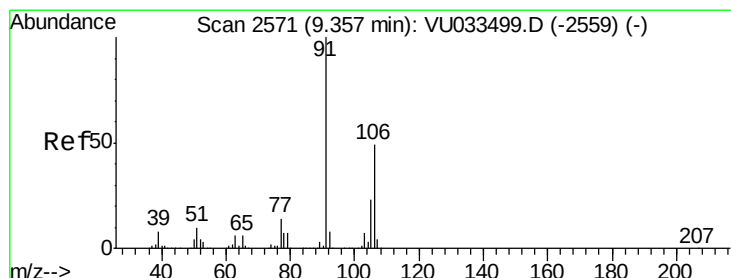
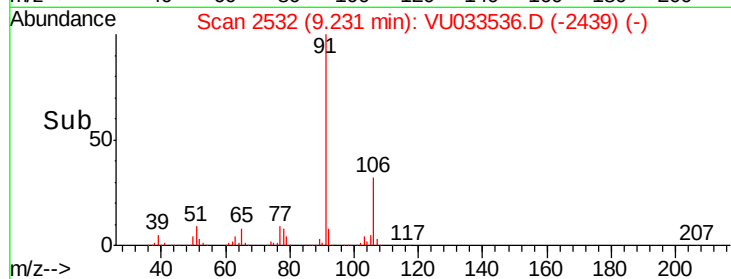
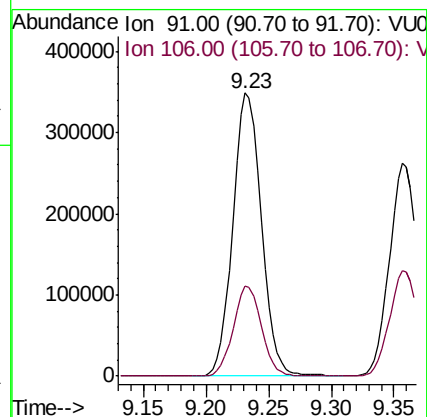
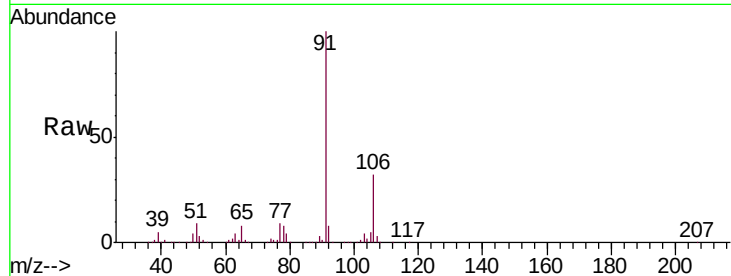
VSTD05043

Tgt Ion: 91 Resp: 551971

Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



#53

m,p-Xylene

Concen: 54.287 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033536.D

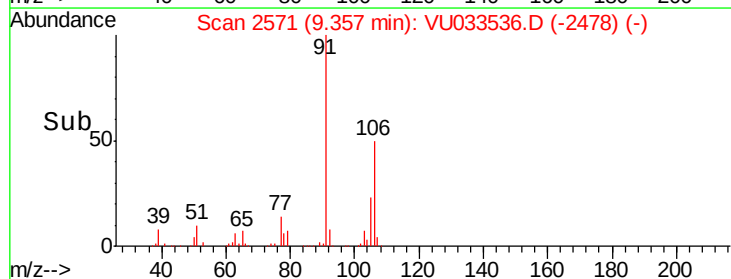
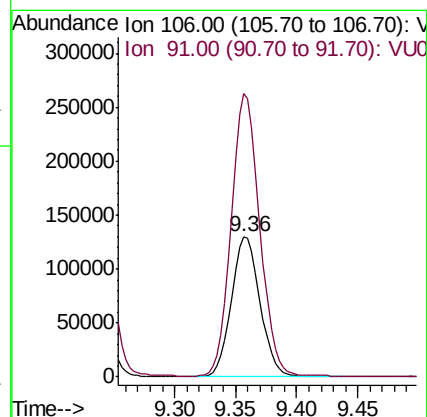
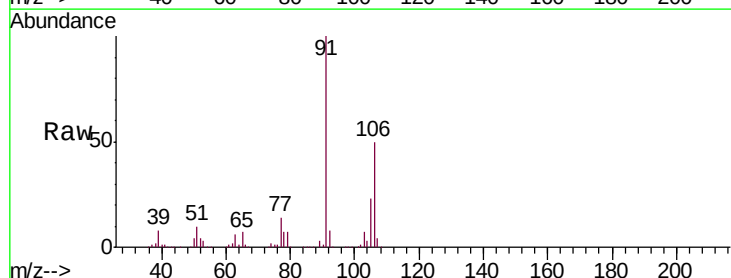
Acq: 01 Aug 2019 09:15

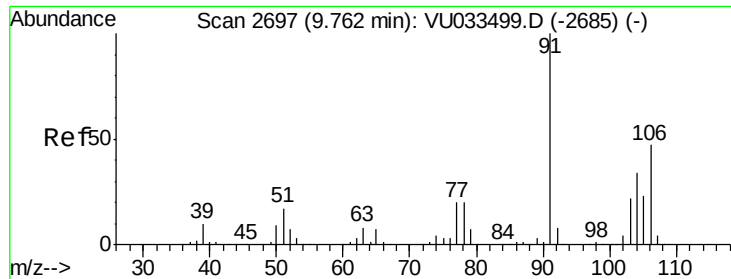
Tgt Ion: 106 Resp: 212622

Ion Ratio Lower Upper

106 100

91 201.9 143.0 265.6

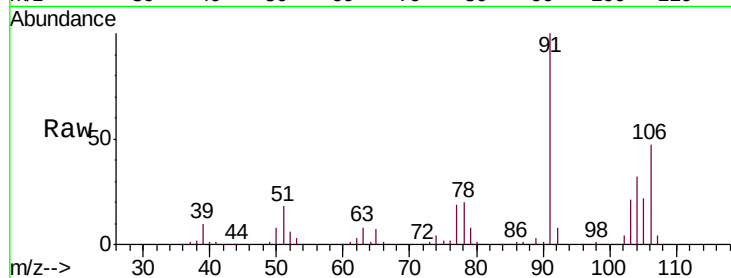




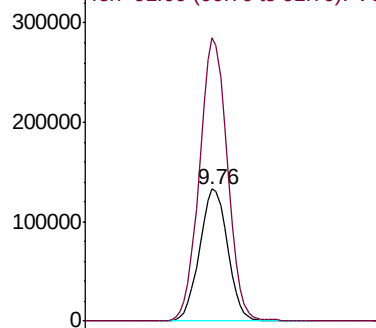
#54
o-xylene
Concen: 54.678 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033536.D
Acq: 01 Aug 2019 09:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

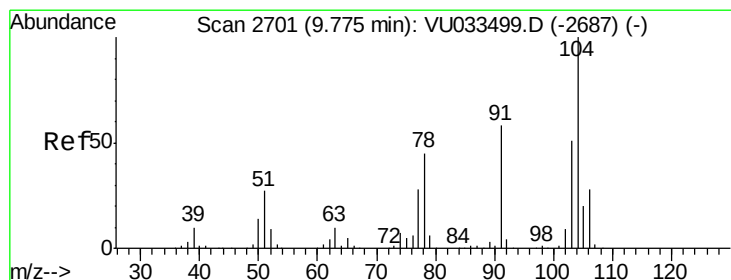
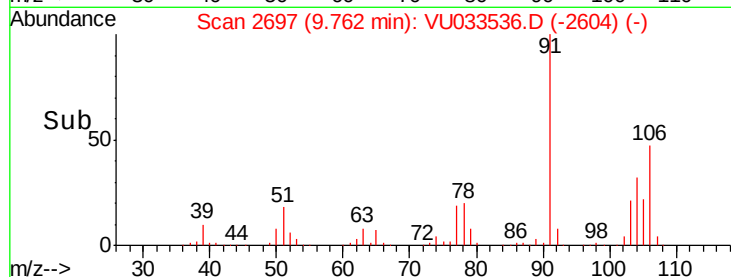
Tgt Ion:106 Resp: 207736
Ion Ratio Lower Upper
106 100
91 214.4 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

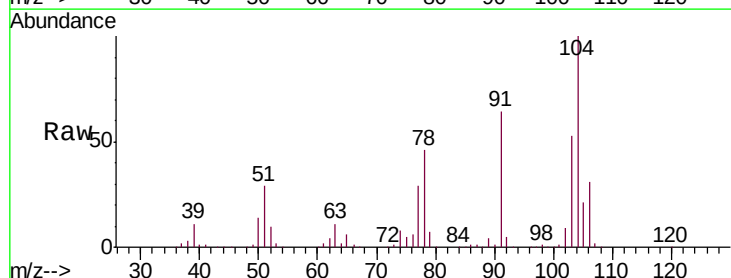


Time-->

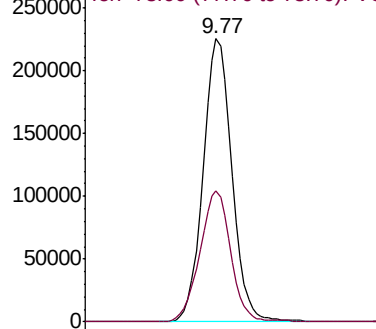


#55
Styrene
Concen: 55.618 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033536.D
Acq: 01 Aug 2019 09:15

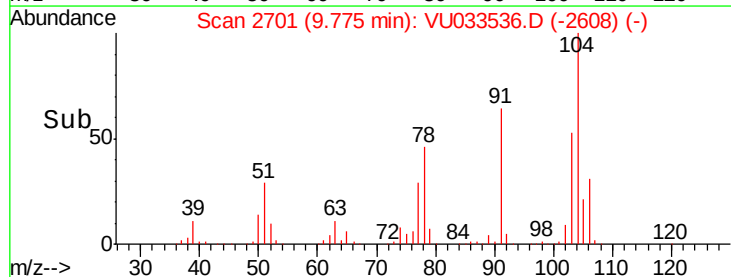
Tgt Ion:104 Resp: 358891
Ion Ratio Lower Upper
104 100
78 46.4 32.2 59.8

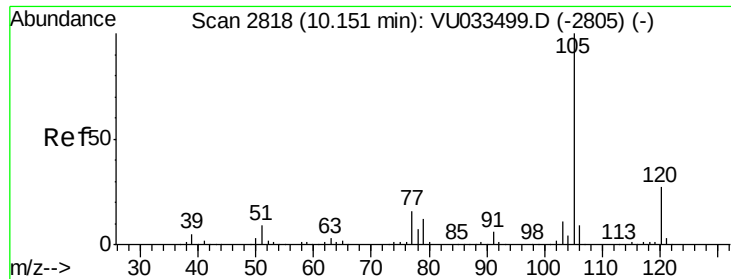


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 54.177 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

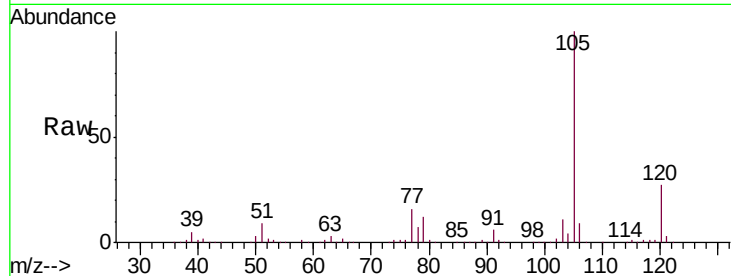
Tgt Ion: 105 Resp: 537813

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

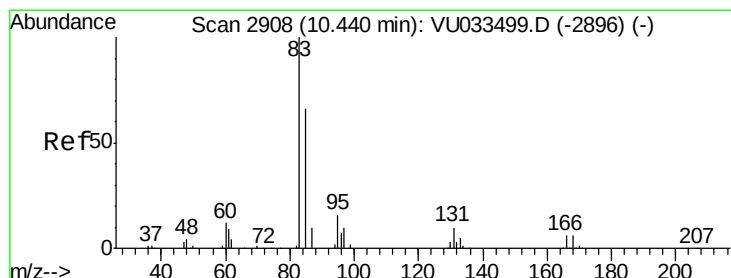
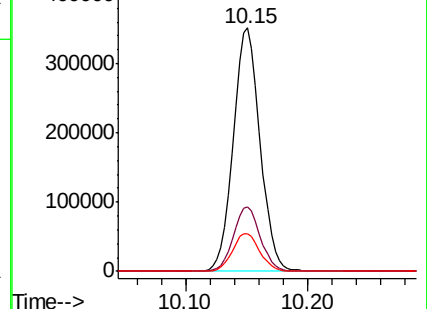
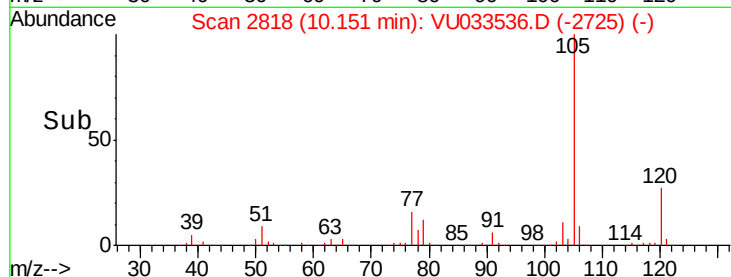
77 16.0 12.5 18.7



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.587 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

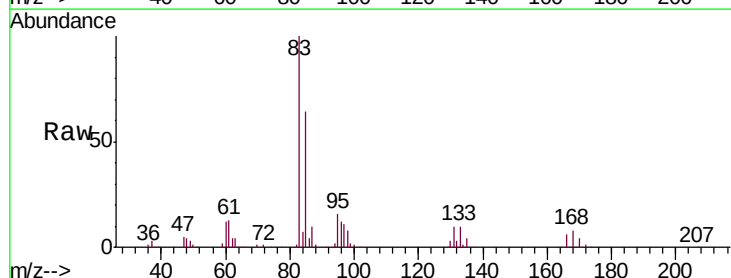
Tgt Ion: 83 Resp: 212362

Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4

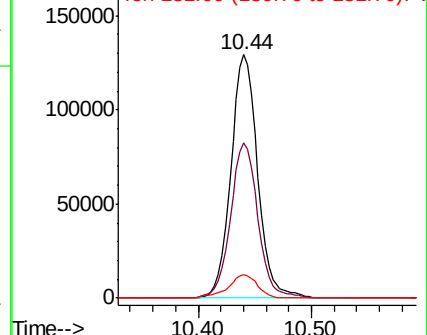
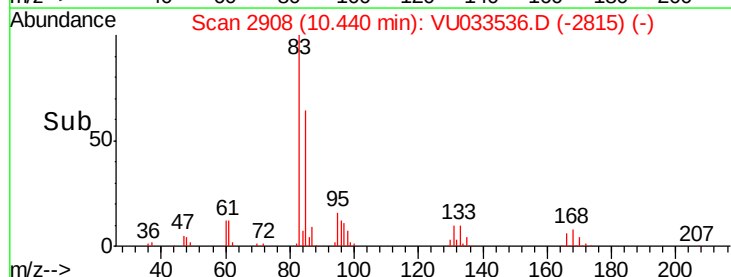
131 9.6 7.9 11.9

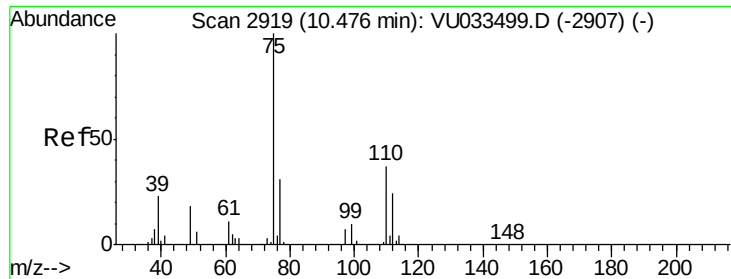


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.432 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

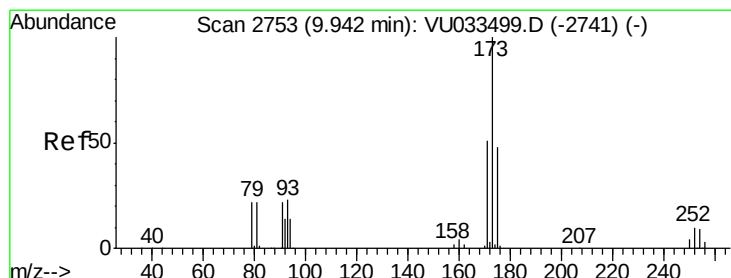
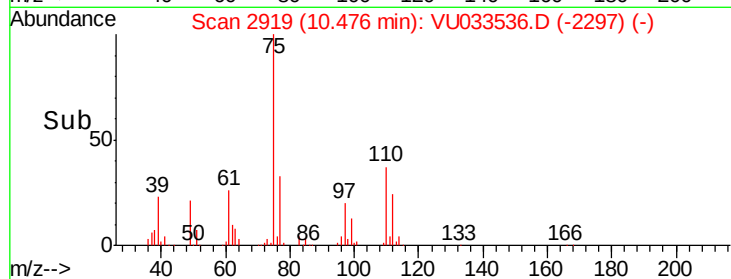
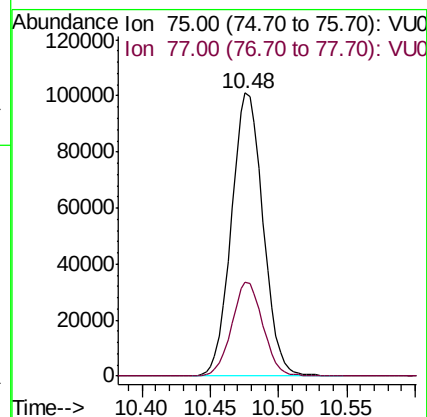
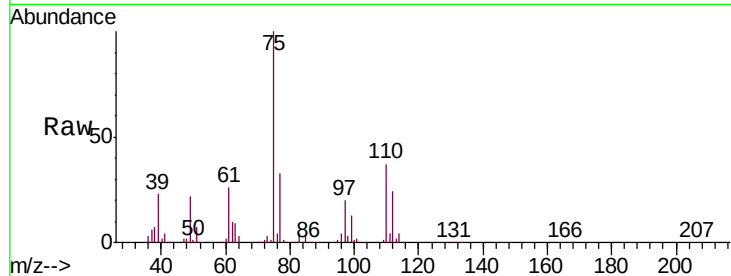
VSTD05043

Tgt Ion: 75 Resp: 163225

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.6



#61

Bromoform

Concen: 53.173 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

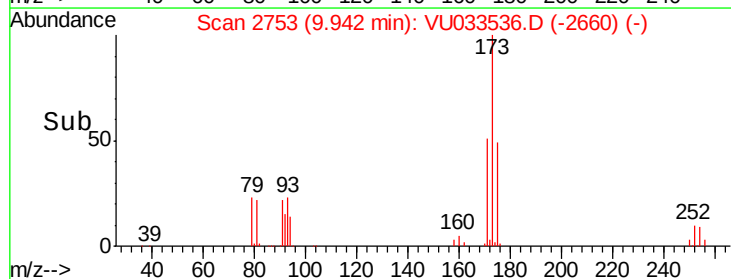
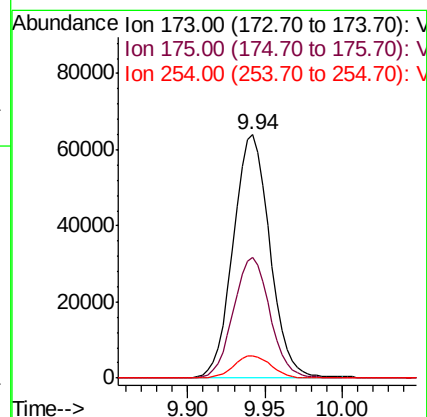
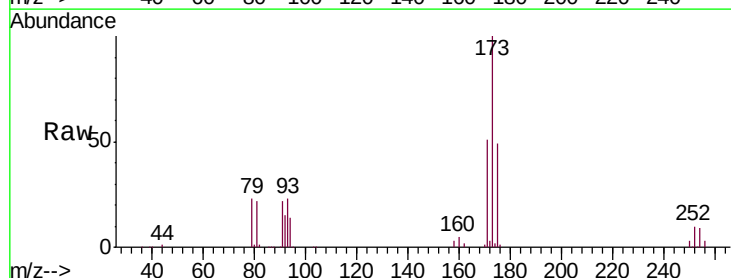
Tgt Ion: 173 Resp: 105424

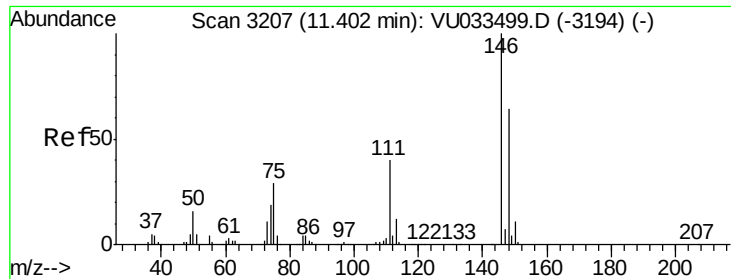
Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

254 9.2 7.5 11.3

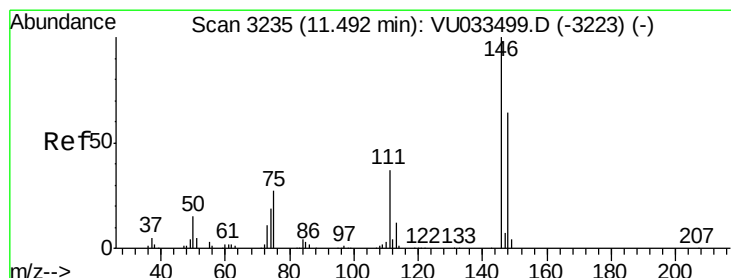
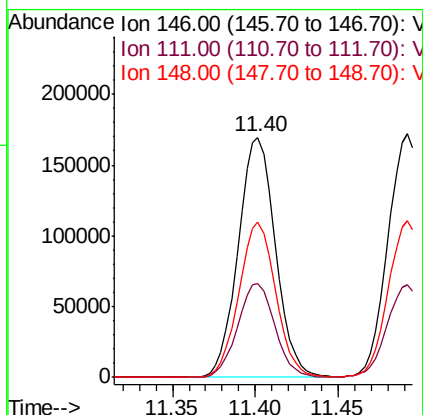
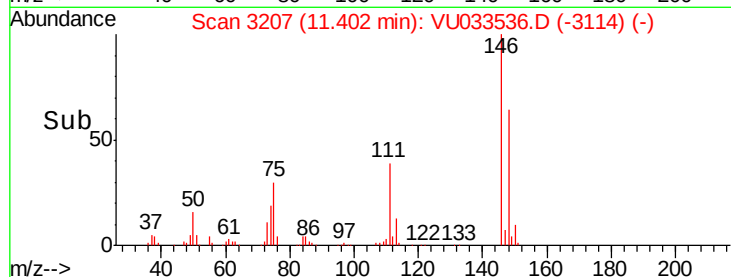
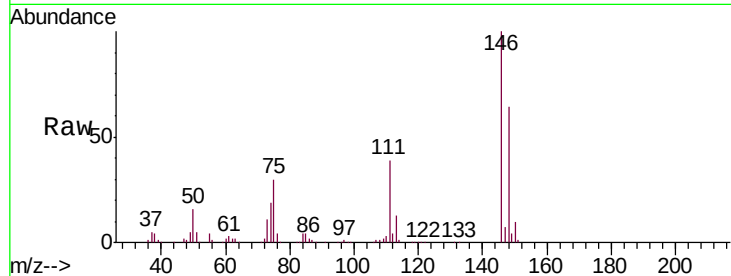




#62
 1,3-Dichlorobenzene
 Concen: 52.655 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

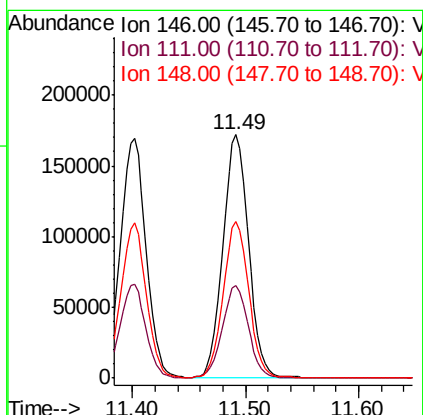
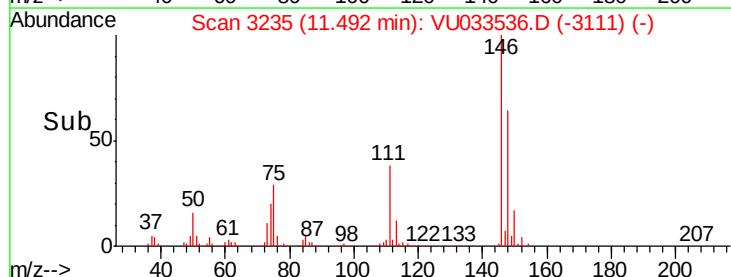
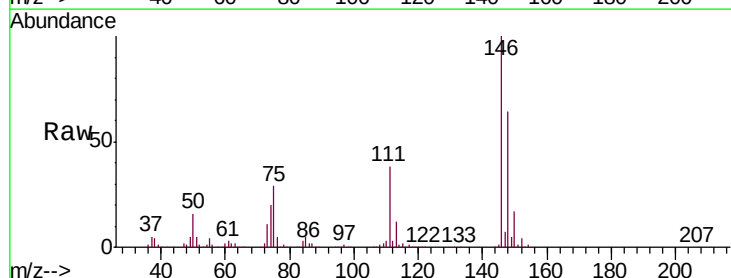
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

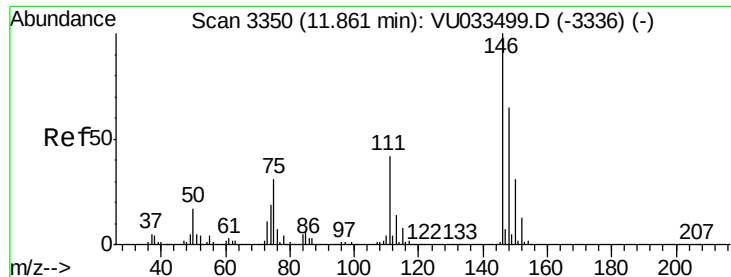
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	28.1	52.1
148	64.4	45.0	83.6



#63
 1,4-Dichlorobenzene
 Concen: 51.849 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.2	50.4
148	64.4	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 52.337 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

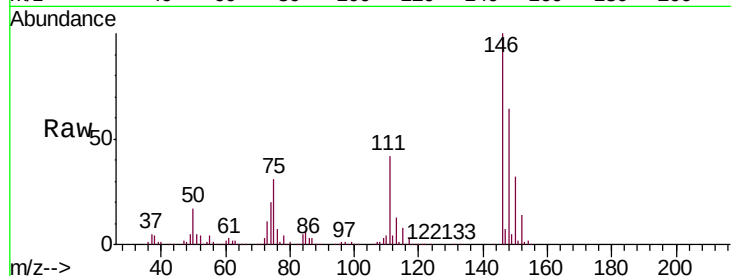
Tgt Ion:146 Resp: 266744

Ion Ratio Lower Upper

146 100

111 41.6 31.7 47.5

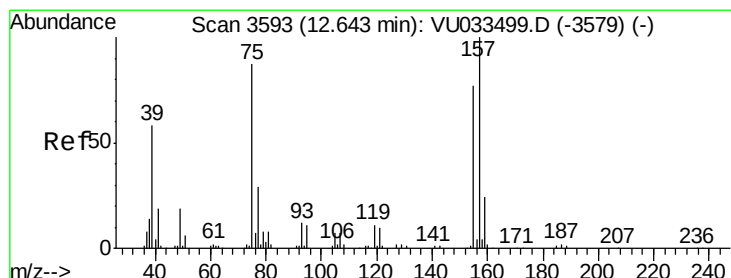
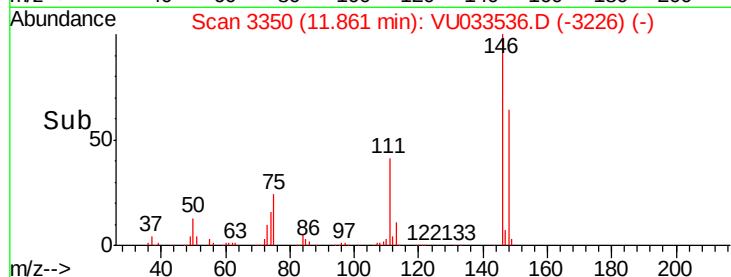
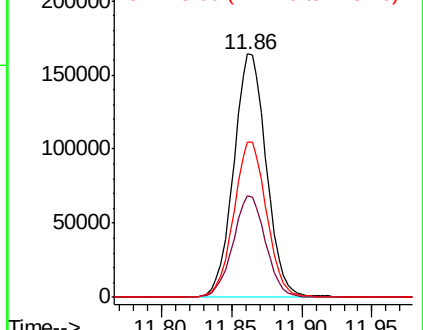
148 64.0 50.3 75.5



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: 51.626 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

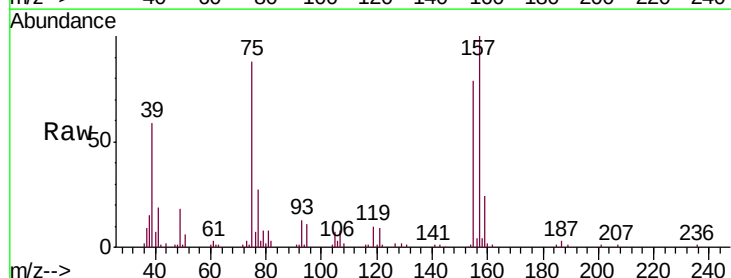
Tgt Ion: 75 Resp: 48613

Ion Ratio Lower Upper

75 100

155 89.3 69.4 104.0

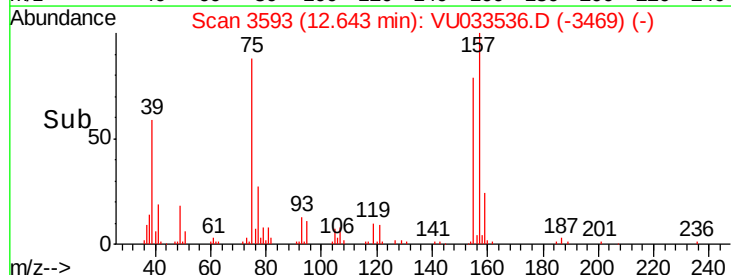
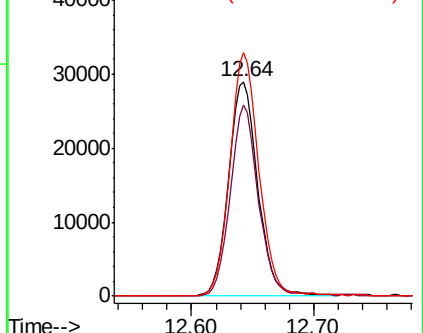
157 113.4 91.8 137.8

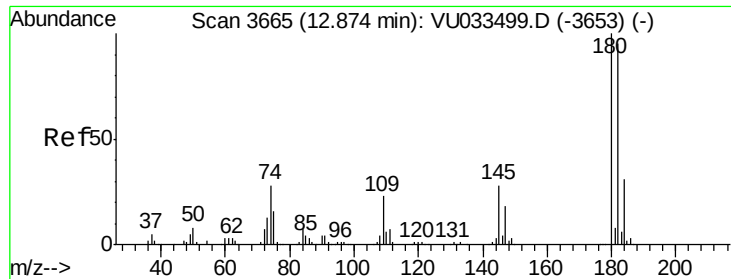


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

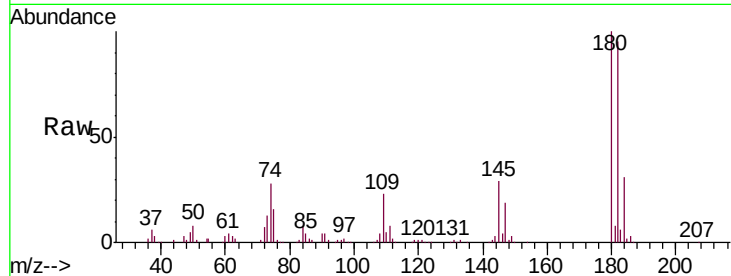




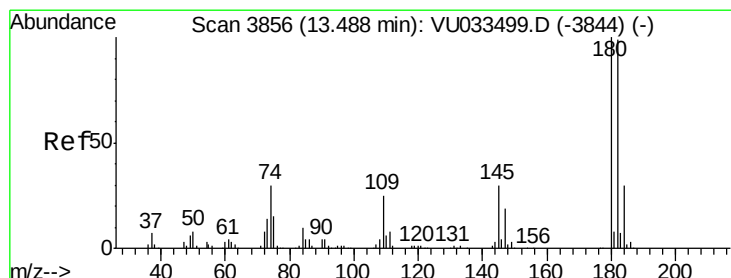
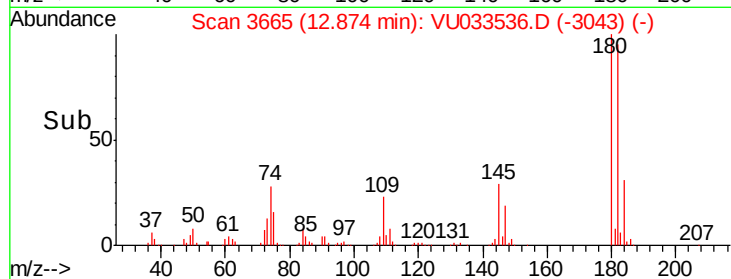
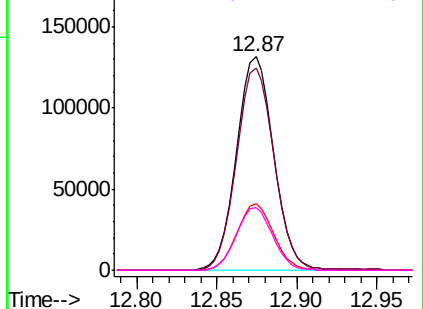
#67
 1,3,5-Trichlorobenzene
 Concen: 51.224 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion:	180	Resp:	208310
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.6	113.4
184	30.8	24.2	36.2
145	28.9	22.7	34.1

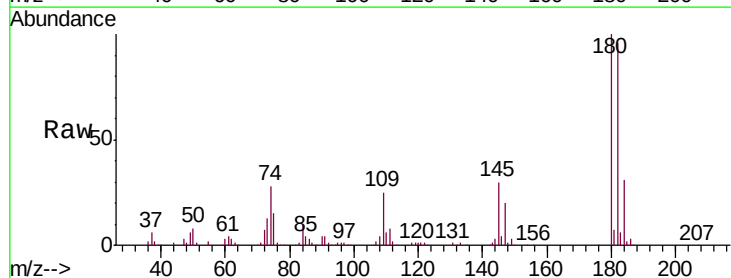


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

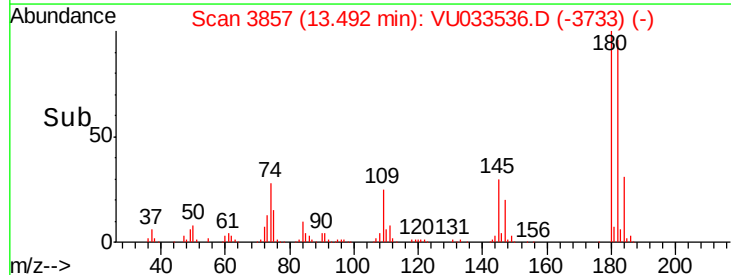
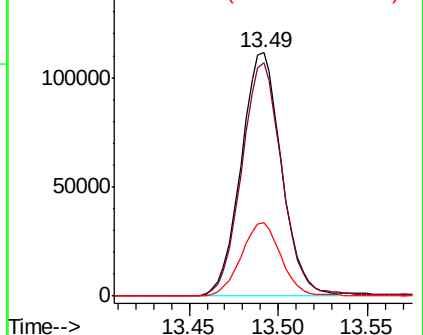


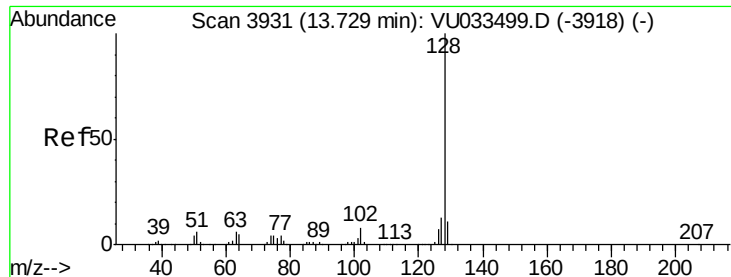
#68
 1,2,4-trichlorobenzene
 Concen: 50.980 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033536.D
 Acq: 01 Aug 2019 09:15

Tgt Ion:	180	Resp:	177147
Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.8	113.8
145	30.2	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: 51.620 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

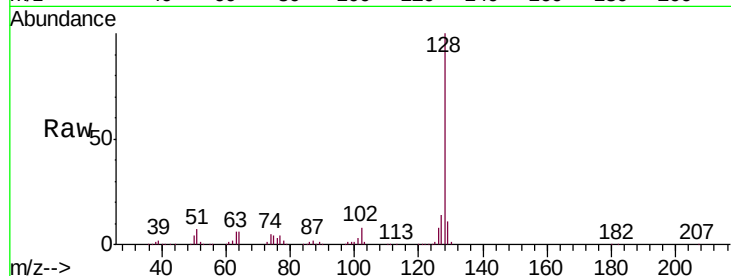
Tgt Ion:128 Resp: 514625

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

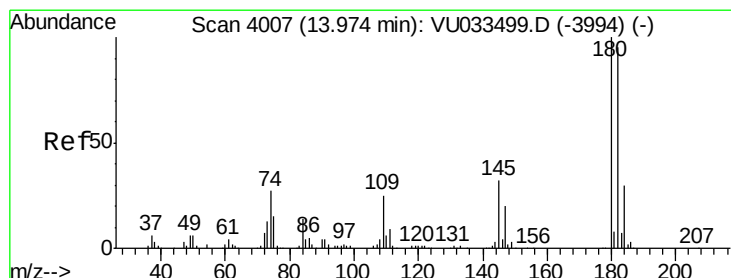
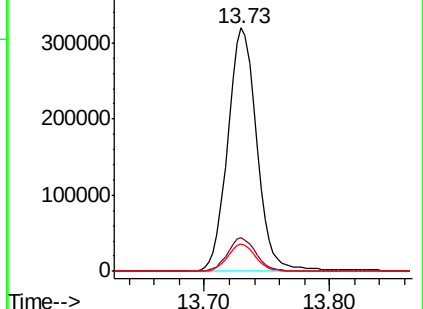
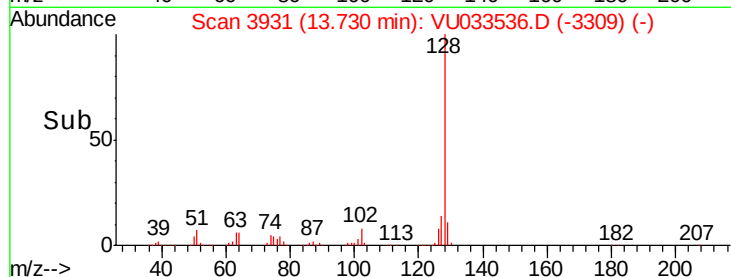
129 10.9 8.7 13.1



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: 51.542 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033536.D

Acq: 01 Aug 2019 09:15

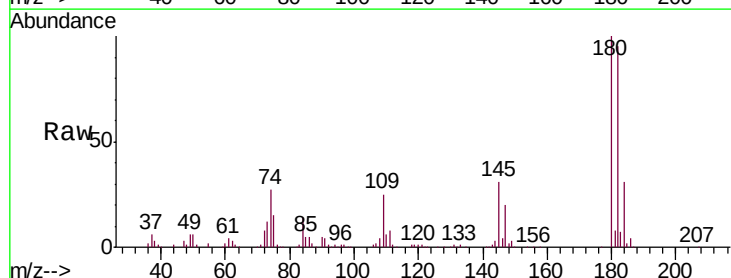
Tgt Ion:180 Resp: 188358

Ion Ratio Lower Upper

180 100

182 95.1 75.5 113.3

145 30.7 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

