

Data File : VU033438.D
Acq On : 26 Jul 2019 02:26
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: Jul 26 05:56:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	280734	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	289715	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	144004	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102067	48.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.06%
7) Chloroethane-d5	1.67	69	97035	53.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.90%
11) 1,1-Dichloroethene-d2	2.26	63	194069	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
21) 2-Butanone-d5	4.15	46	157351	116.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.86%
24) Chloroform-d	4.62	84	190985	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.26%
26) 1,2-Dichloroethane-d4	5.29	65	127868	55.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.96%
32) Benzene-d6	5.32	84	378483	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
36) 1,2-Dichloropropane-d6	6.31	67	122648	53.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.74%
41) Toluene-d8	7.55	98	354840	52.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.88%
43) trans-1,3-Dichloropropene-	7.83	79	55842	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.04%
47) 2-Hexanone-d5	8.29	63	116976	113.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.97%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	196249	56.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.90%
64) 1,2-Dichlorobenzene-d4	11.84	152	140954	54.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	129878	46.684 ug/L	99
3) Chloromethane	1.32	50	130875	47.751 ug/L	100
5) Vinyl chloride	1.40	62	151006	47.667 ug/L	100
6) Bromomethane	1.61	94	95088	48.148 ug/L	99
8) Chloroethane	1.68	64	96806	50.522 ug/L	98
9) Trichlorofluoromethane	1.87	101	208418	50.032 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	94827	49.513 ug/L	99
12) 1,1-Dichloroethene	2.27	96	90508	48.302 ug/L	97
13) Acetone	2.31	43	110778	65.845 ug/L	99
14) Carbon disulfide	2.46	76	262753	45.849 ug/L	99
15) Methyl Acetate	2.60	43	111901	50.933 ug/L	100
16) Methylene chloride	2.68	84	109487	51.176 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	94721	48.910 ug/L	100
18) Methyl tert-butyl Ether	2.98	73	297658	49.795 ug/L	99
19) 1,1-Dichloroethane	3.42	63	190676	51.221 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	109609	50.177 ug/L	100
22) 2-Butanone	4.23	43	162137	86.752 ug/L	99

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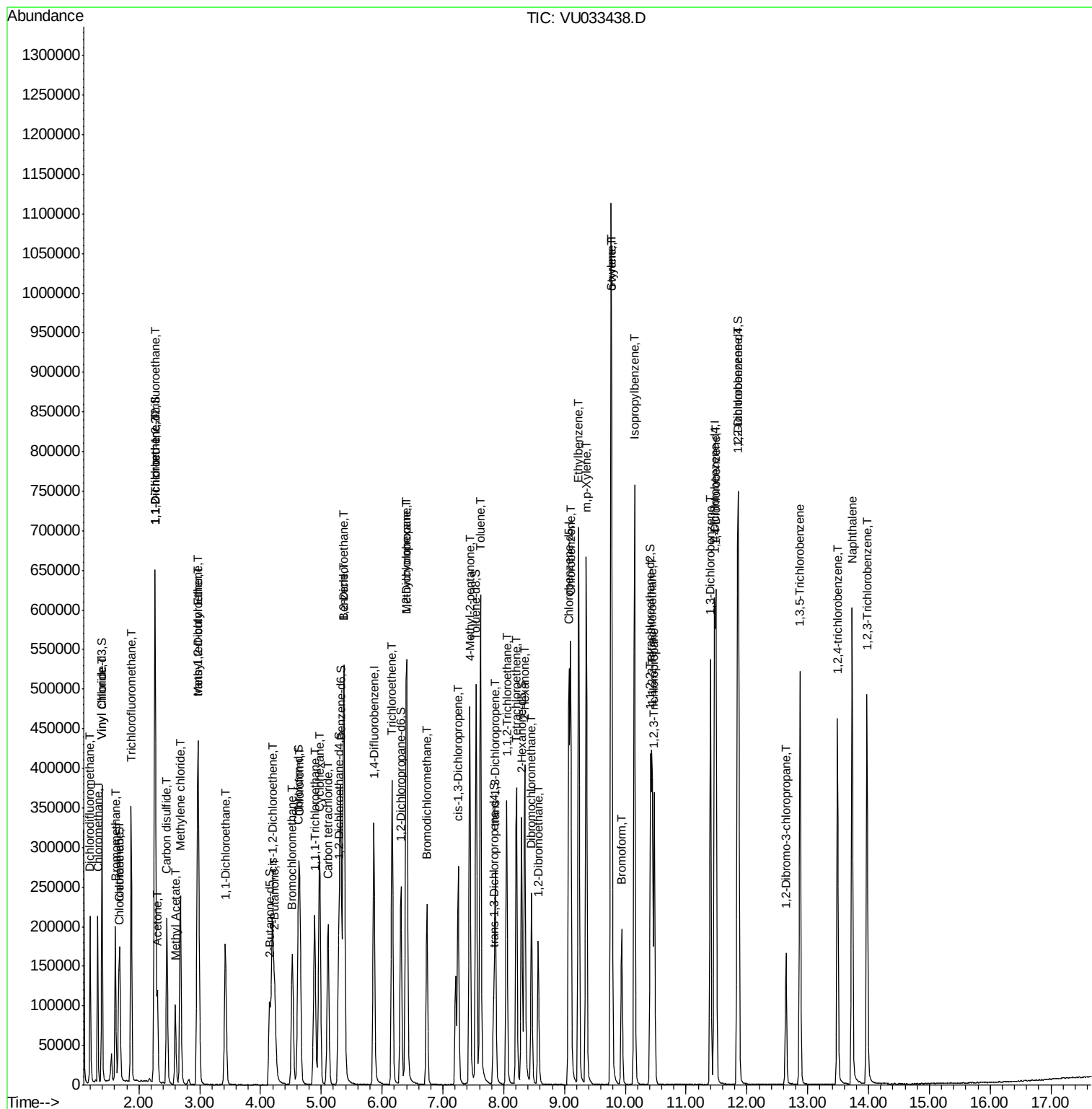
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	57621	51.513	ug/L	97
25) Chloroform	4.65	83	203849	51.488	ug/L	97
27) 1,2-Dichloroethane	5.38	62	159275	51.952	ug/L	99
29) Cyclohexane	4.97	56	148627	47.080	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	163809	48.465	ug/L	99
31) Carbon tetrachloride	5.11	117	146012	49.364	ug/L	100
33) Benzene	5.37	78	420707	49.795	ug/L	100
34) Trichloroethene	6.16	95	136580	61.812	ug/L	100
35) Methylcyclohexane	6.40	83	155103	45.823	ug/L	99
37) 1,2-Dichloropropane	6.41	63	113900	49.709	ug/L	99
38) Bromodichloromethane	6.74	83	149360	50.534	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	165463	47.099	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	306643	99.762	ug/L	100
42) Toluene	7.62	91	467549	51.329	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	152810	48.232	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	109896	50.713	ug/L	99
46) Tetrachloroethene	8.21	164	84083	49.156	ug/L	99
48) 2-Hexanone	8.34	43	254600	101.672	ug/L	98
49) Dibromochloromethane	8.46	129	123792	51.210	ug/L	98
50) 1,2-Dibromoethane	8.57	107	118030	49.954	ug/L	97
51) Chlorobenzene	9.10	112	294816	49.587	ug/L	99
52) Ethylbenzene	9.23	91	496579	50.947	ug/L	99
53) m,p-Xylene	9.36	106	191120	51.768	ug/L	100
54) o-xylene	9.76	106	186289	50.817	ug/L	99
55) Styrene	9.77	104	326593	52.549	ug/L	98
56) Isopropylbenzene	10.15	105	484632	51.375	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	194722	51.155	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	151896	50.922	ug/L	100
61) Bromoform	9.94	173	89081	50.651	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	216696	48.885	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	227761	49.141	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	233146	51.284	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	42915	49.459	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	165019	51.511	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	142952	51.087	ug/L	99
69) Naphthalene	13.73	128	483652	53.907	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	159144	52.386	ug/L	98

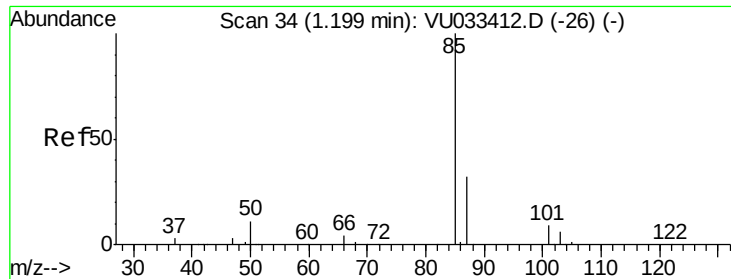
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.684 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

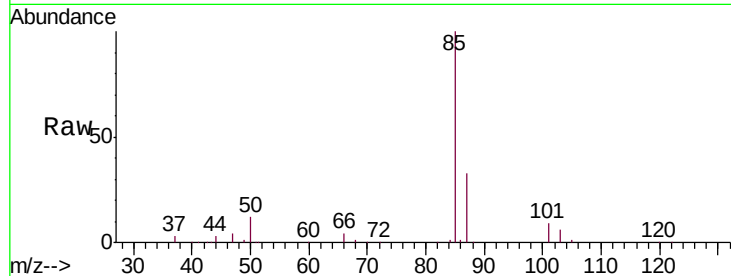
VSTD05057

Tgt Ion: 85 Resp: 129878

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033412.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033412.D (-26) (-)

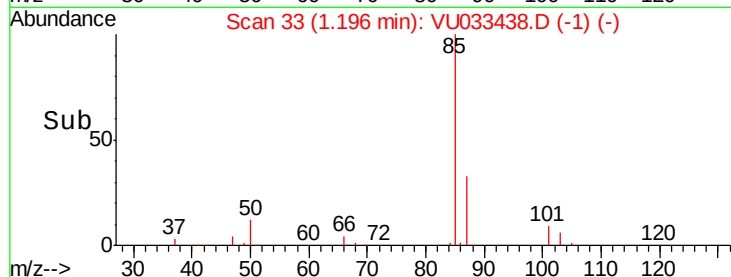
1.20

100000

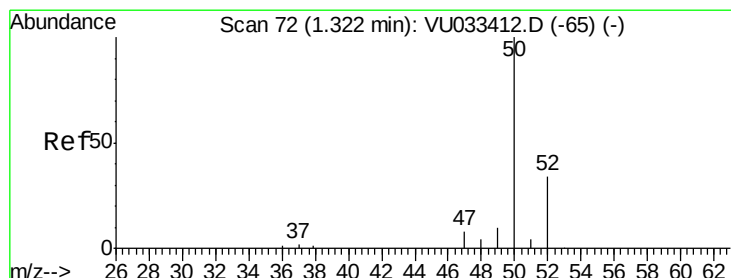
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 47.751 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033438.D

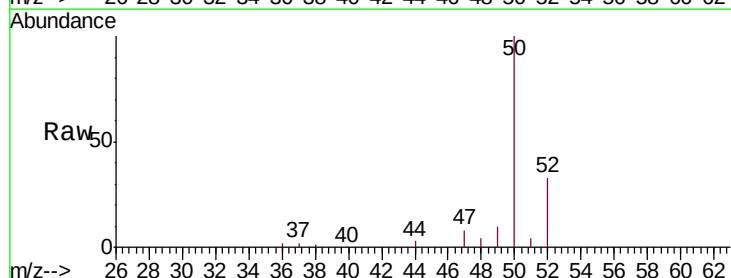
Acq: 26 Jul 2019 02:26

Tgt Ion: 50 Resp: 130875

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU033412.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU033412.D (-65) (-)

1.32

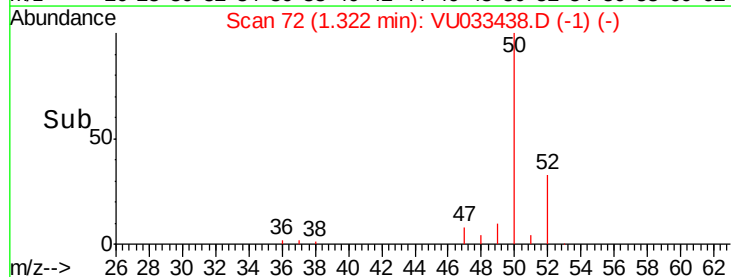
150000

100000

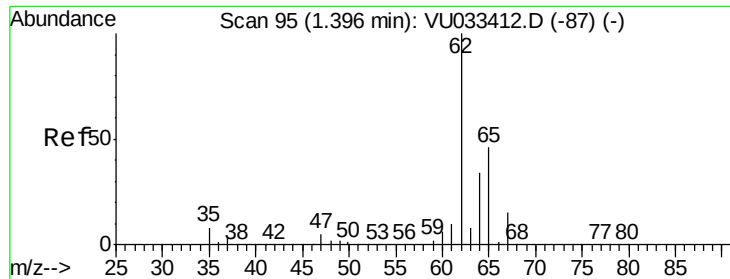
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 47.667 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

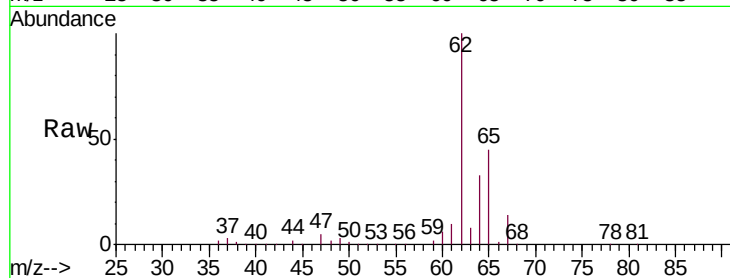
VSTD05057

Tgt Ion: 62 Resp: 151006

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU033412.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033412.D (-87) (-)

1.40

150000

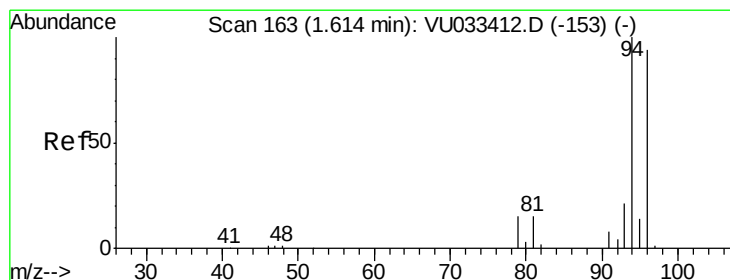
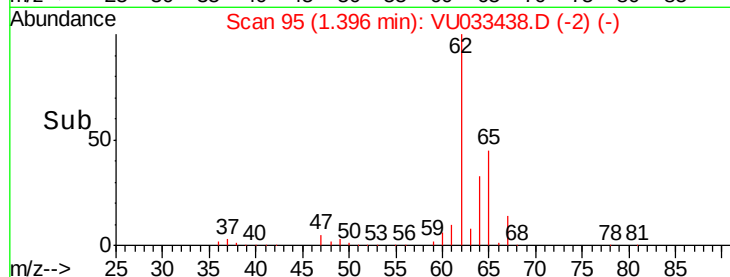
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 48.148 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU033438.D

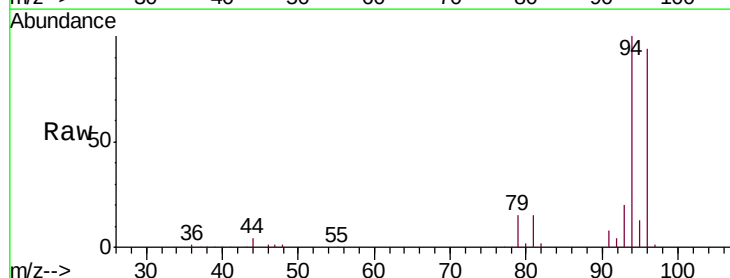
Acq: 26 Jul 2019 02:26

Tgt Ion: 94 Resp: 95088

Ion Ratio Lower Upper

94 100

96 93.7 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU033412.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU033412.D (-153) (-)

1.61

80000

60000

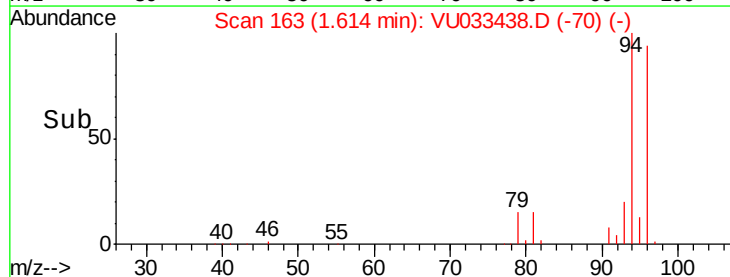
40000

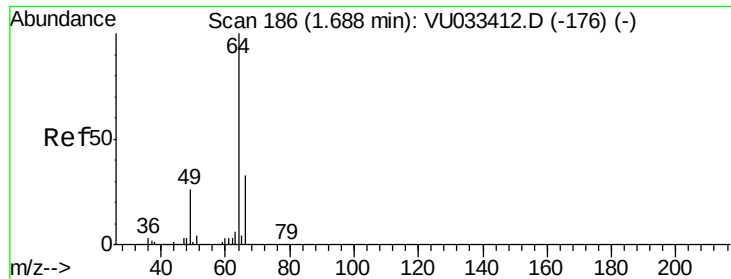
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 50.522 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

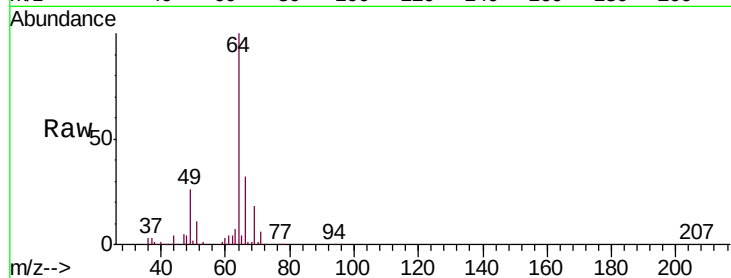
VSTD05057

Tgt Ion: 64 Resp: 96806

Ion Ratio Lower Upper

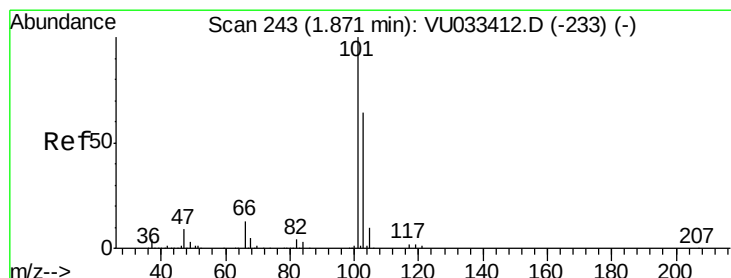
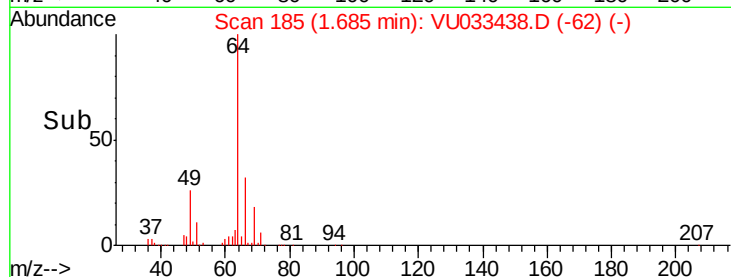
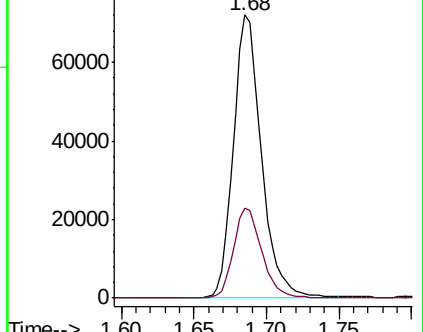
64 100

66 31.7 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU033438.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033438.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 50.032 ug/L

RT: 1.87 min Scan# 243

Delta R.T. 0.00 min

Lab File: VU033438.D

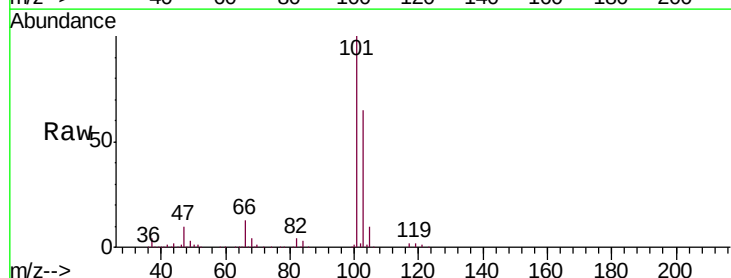
Acq: 26 Jul 2019 02:26

Tgt Ion: 101 Resp: 208418

Ion Ratio Lower Upper

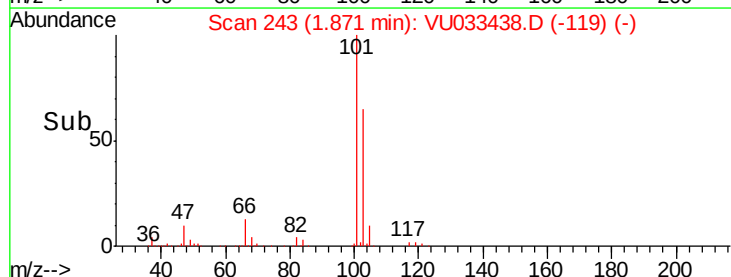
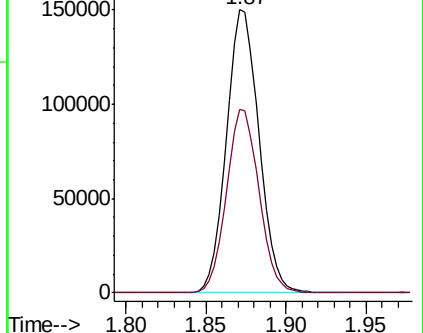
101 100

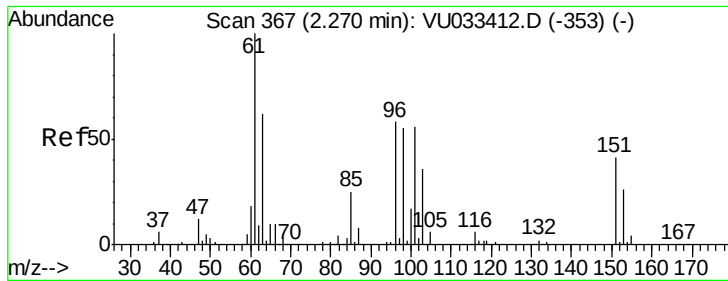
103 64.7 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033438.D (-119) (-)

Ion 103.00 (102.70 to 103.70): VU033438.D (-119) (-)





#10

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

Concen: 49.513 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

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MSVOA_U

ClientSampleId :

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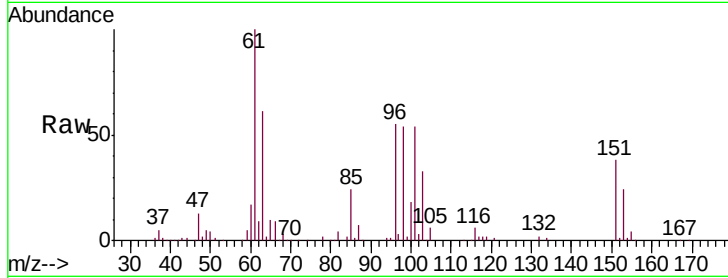
Tgt Ion:101 Resp: 94827

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.8

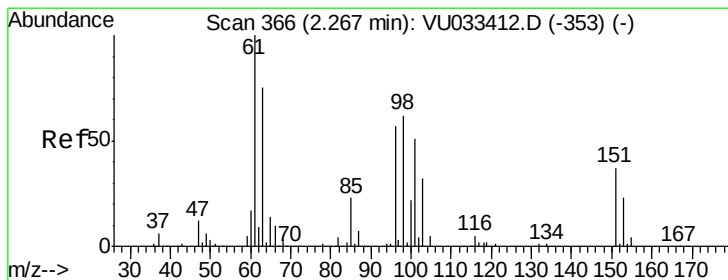
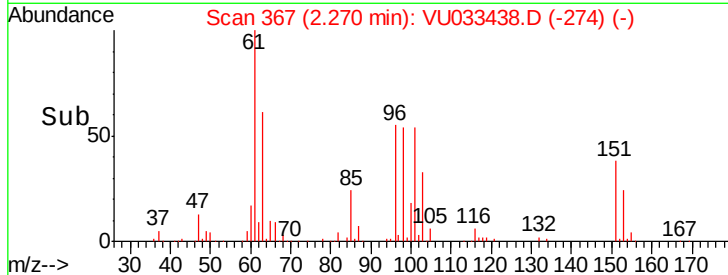
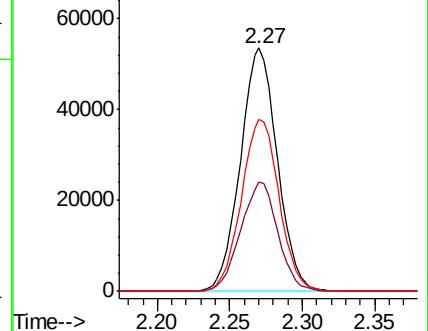
151 72.0 56.7 85.1



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: 48.302 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

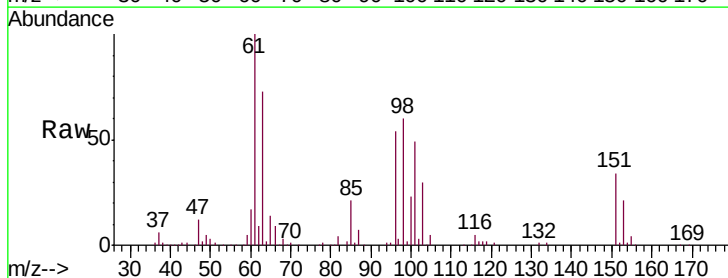
Tgt Ion: 96 Resp: 90508

Ion Ratio Lower Upper

96 100

61 183.5 126.1 234.1

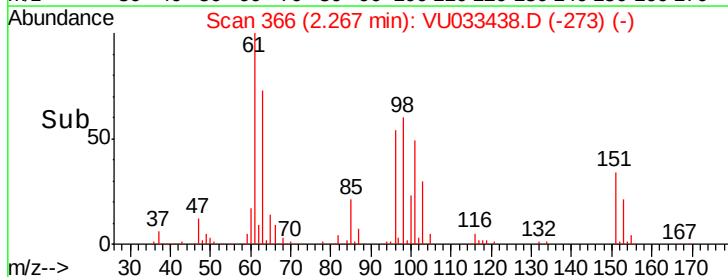
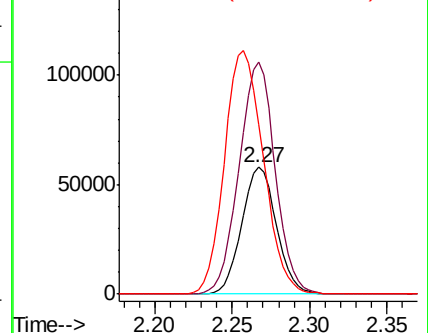
63 133.4 96.8 179.8

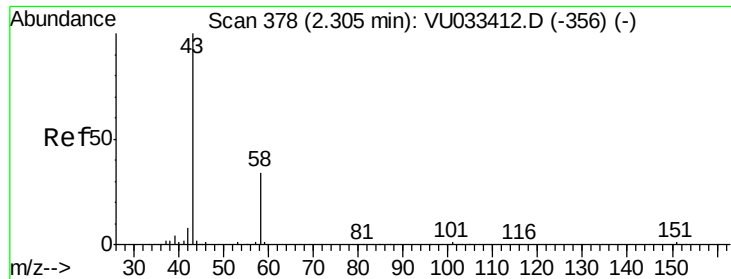


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 65.845 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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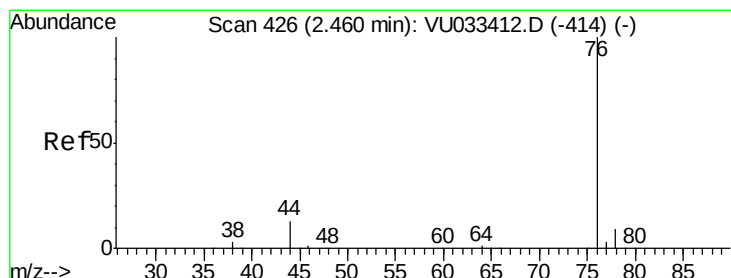
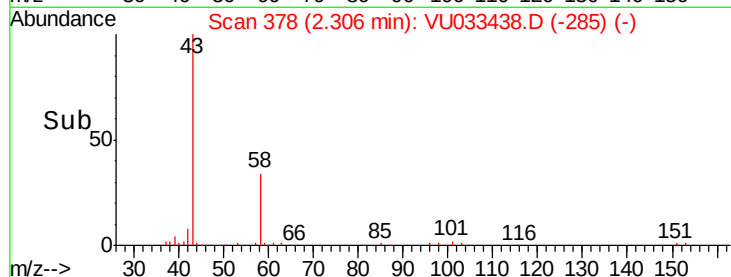
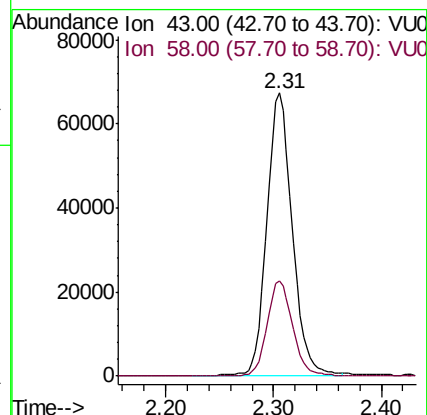
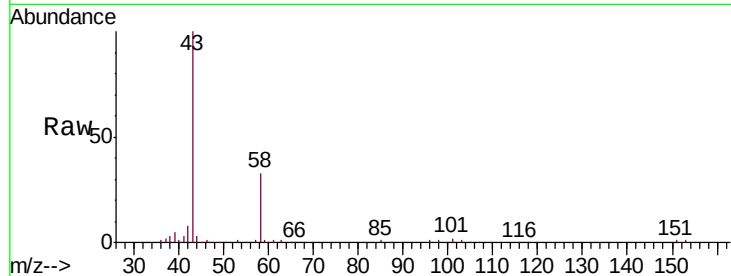
VSTD05057

Tgt Ion: 43 Resp: 110778

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.4



#14

Carbon disulfide

Concen: 45.849 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033438.D

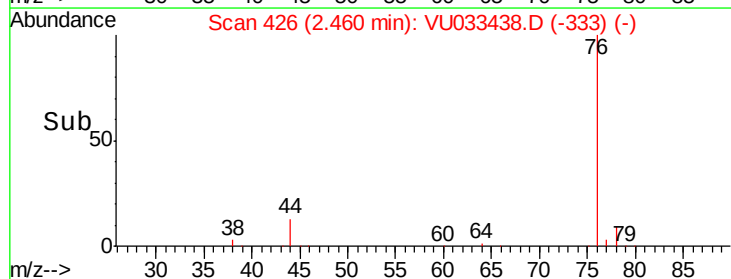
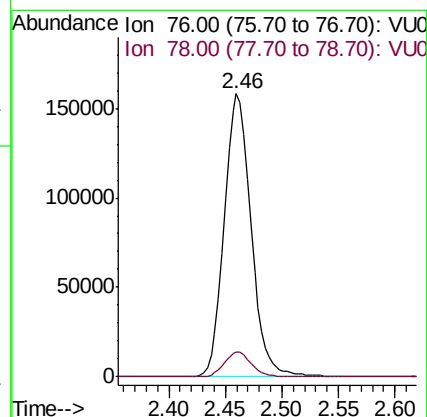
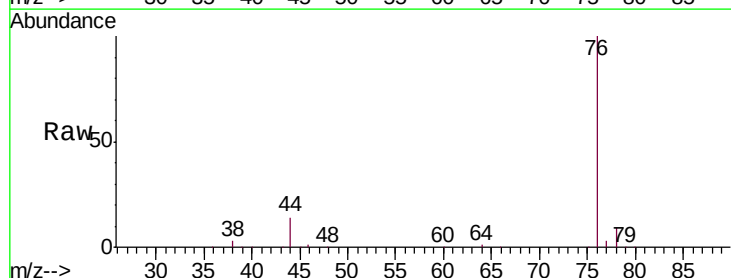
Acq: 26 Jul 2019 02:26

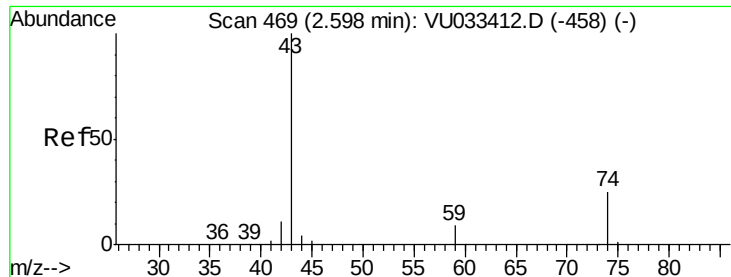
Tgt Ion: 76 Resp: 262753

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

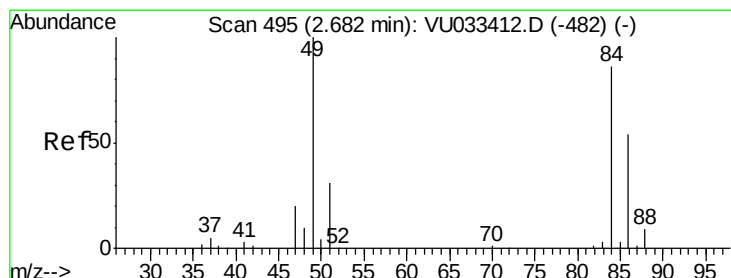
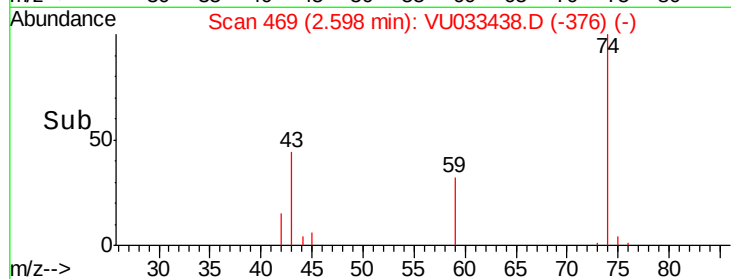
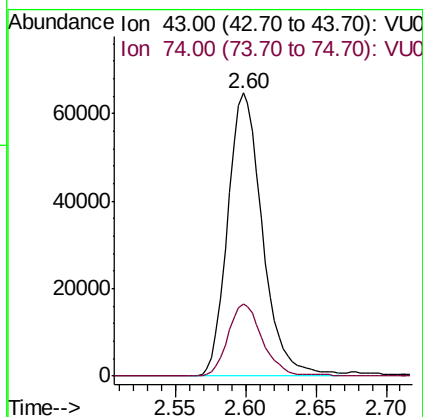
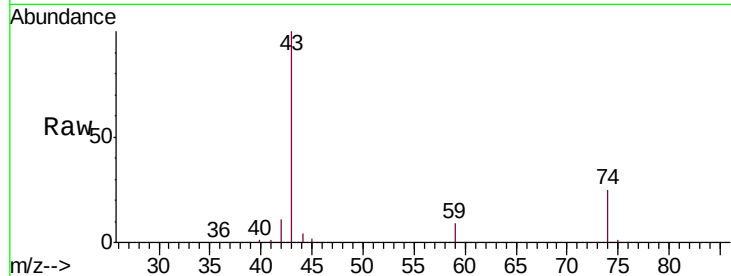




#15
Methyl Acetate
Concen: 50.933 ug/L
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

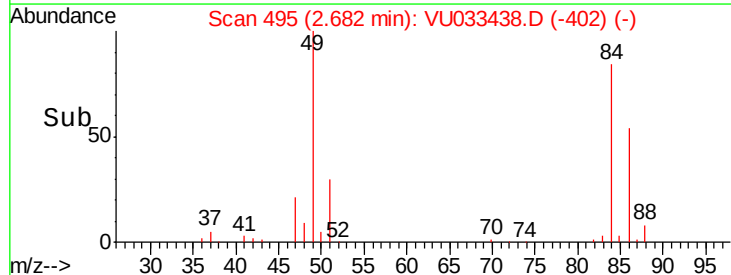
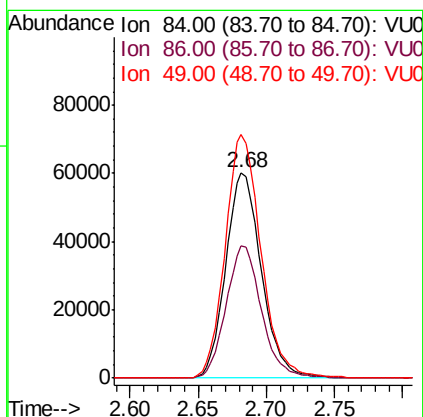
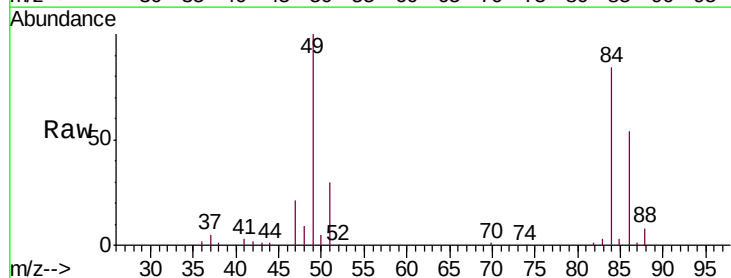
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

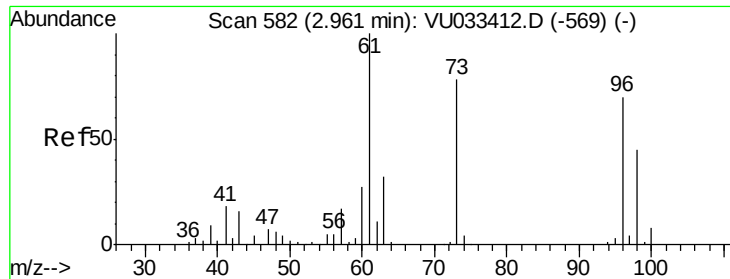
Tgt Ion: 43 Resp: 111901
Ion Ratio Lower Upper
43 100
74 25.1 19.9 29.9



#16
Methylene chloride
Concen: 51.176 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

Tgt Ion: 84 Resp: 109487
Ion Ratio Lower Upper
84 100
86 64.3 45.7 84.9
49 118.5 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 48.910 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

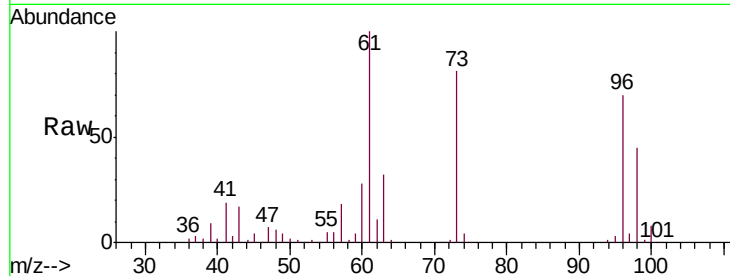
Tgt Ion: 96 Resp: 94721

Ion Ratio Lower Upper

96 100

61 142.8 100.2 186.2

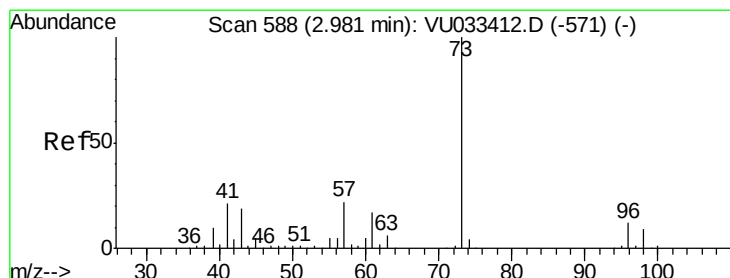
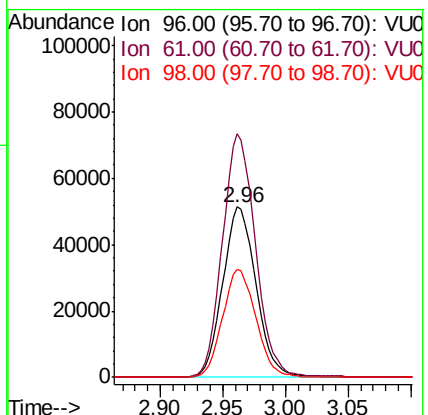
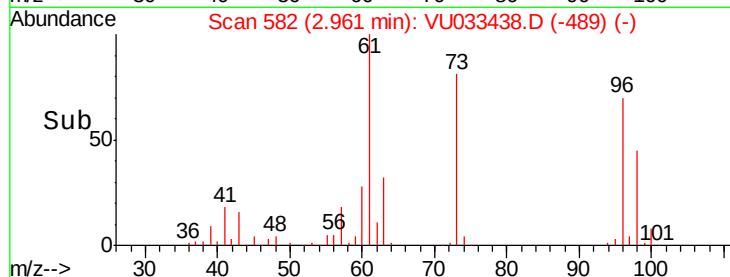
98 63.6 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 49.795 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

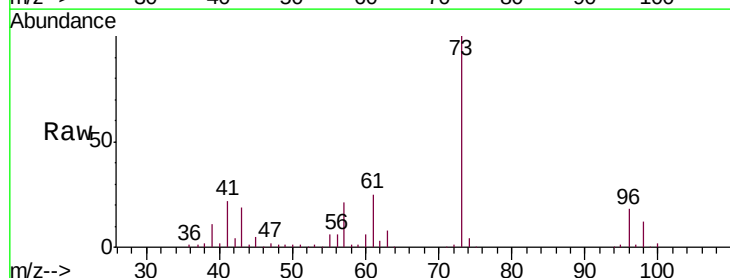
Tgt Ion: 73 Resp: 297658

Ion Ratio Lower Upper

73 100

43 19.8 15.7 23.5

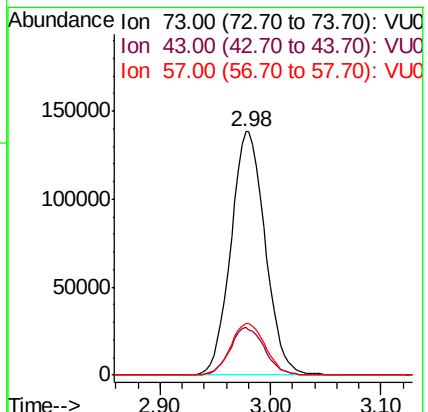
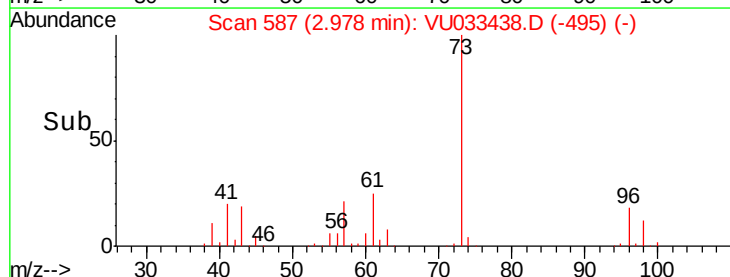
57 21.7 17.8 26.6

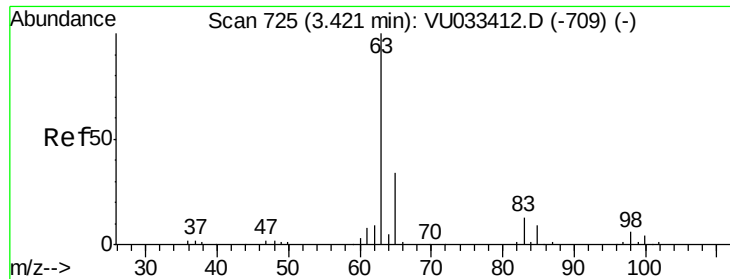


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 51.221 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

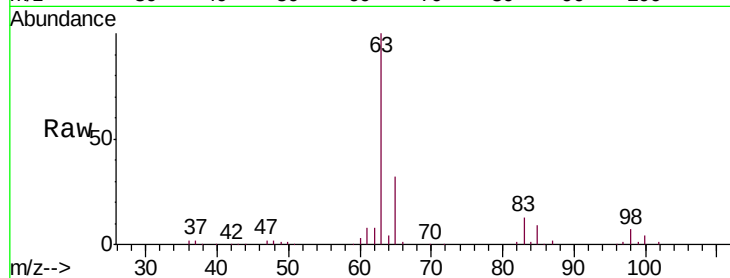
Tgt Ion: 63 Resp: 190676

Ion Ratio Lower Upper

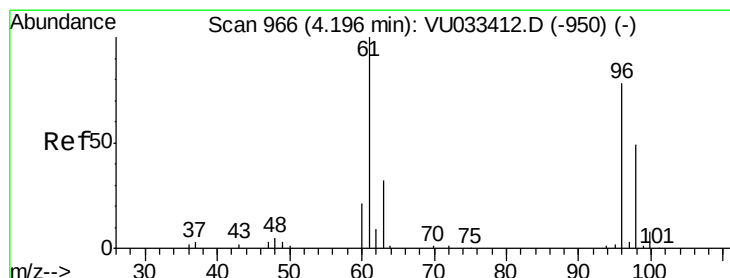
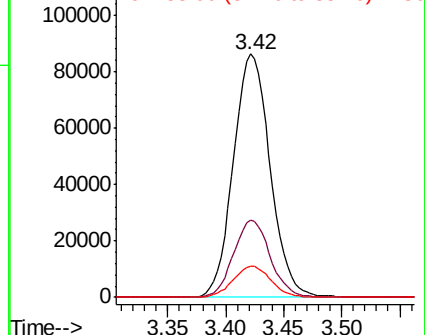
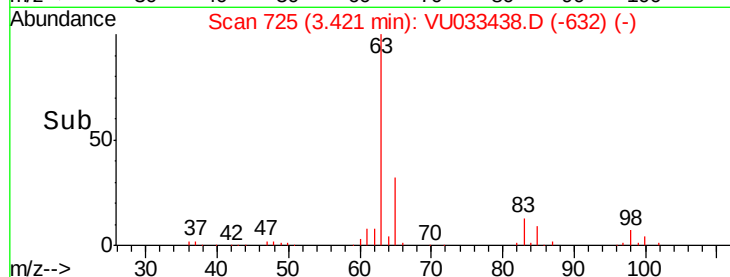
63 100

65 31.7 22.3 41.5

83 12.9 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033438.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.177 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

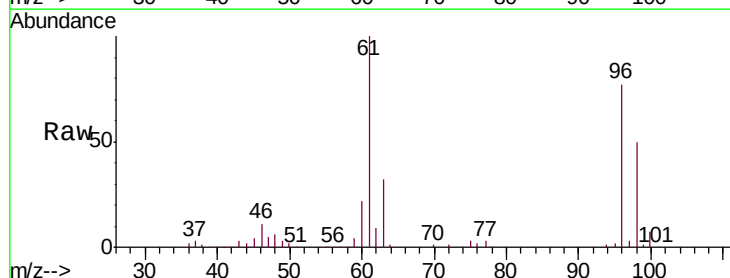
Tgt Ion: 96 Resp: 109609

Ion Ratio Lower Upper

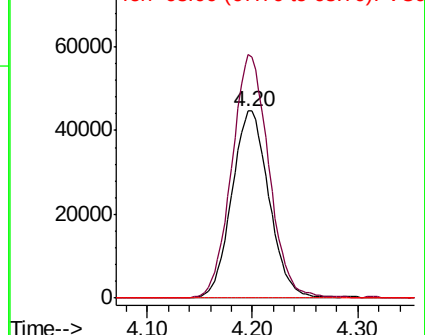
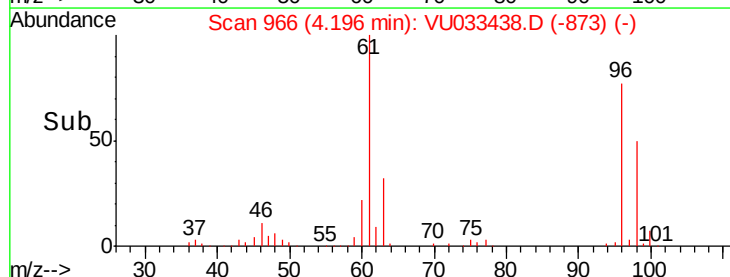
96 100

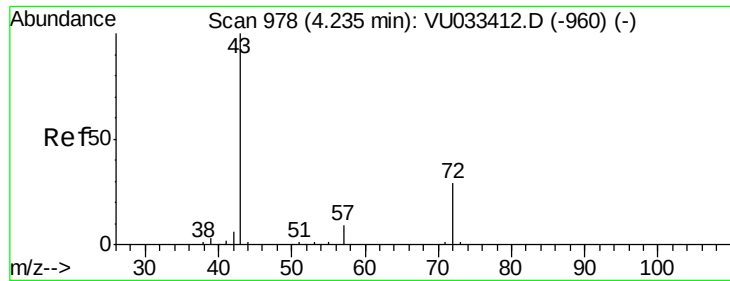
61 130.1 91.1 169.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033438.D (-873) (-)





#22

2-Butanone

Concen: 86.752 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

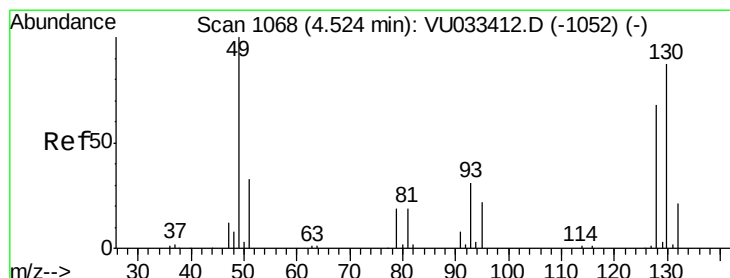
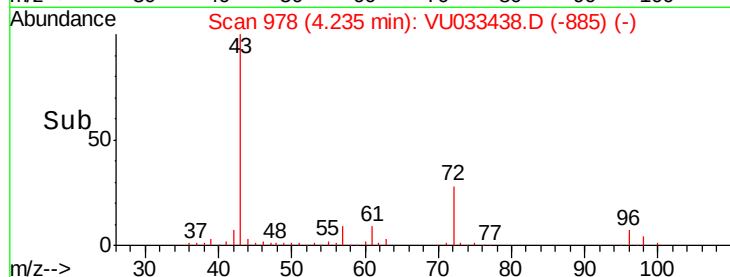
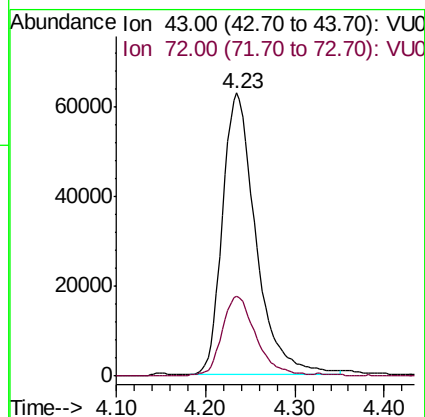
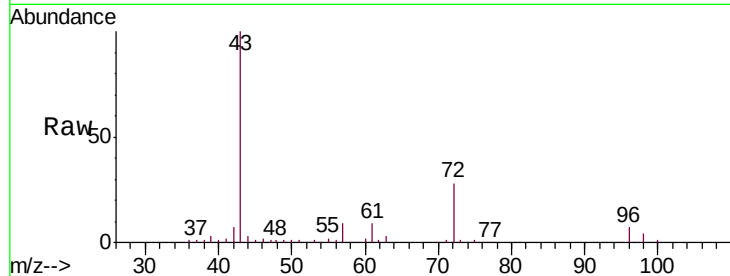
VSTD05057

Tgt Ion: 43 Resp: 162137

Ion Ratio Lower Upper

43 100

72 29.3 14.4 43.2



#23

Bromochloromethane

Concen: 51.513 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Tgt Ion: 128 Resp: 57621

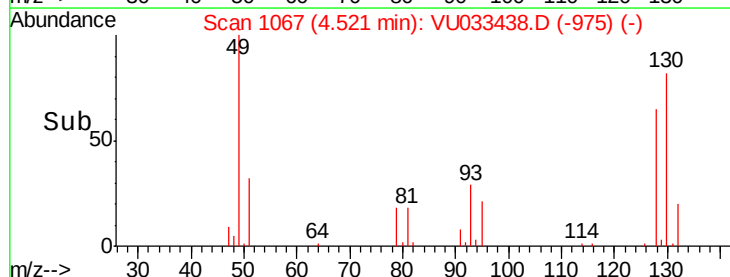
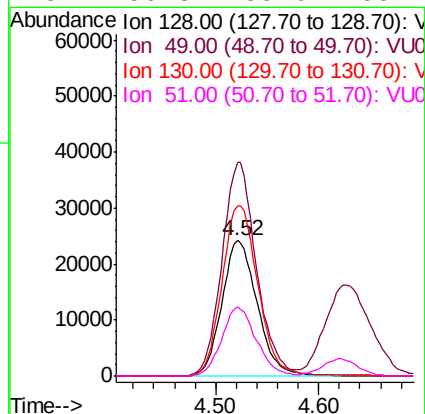
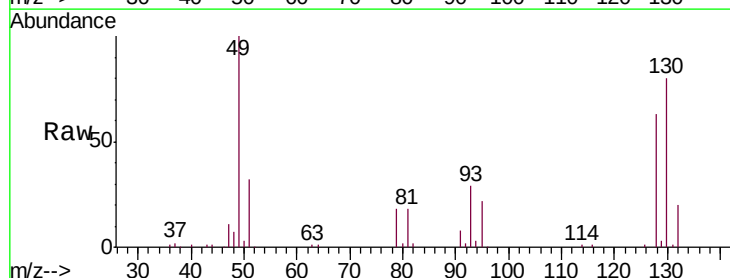
Ion Ratio Lower Upper

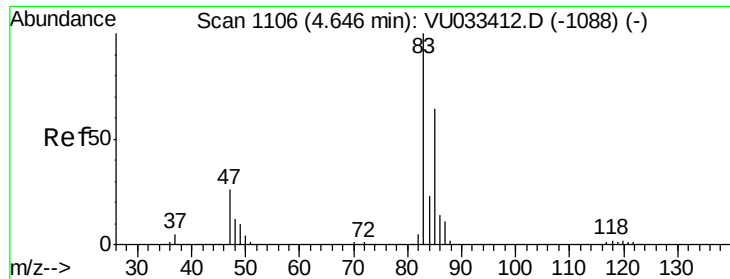
128 100

49 157.9 107.2 199.2

130 126.0 87.0 161.6

51 50.8 39.6 59.4

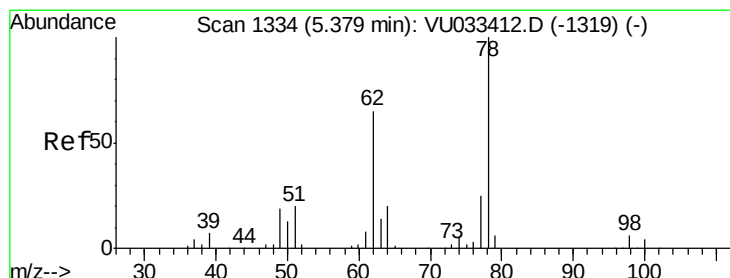
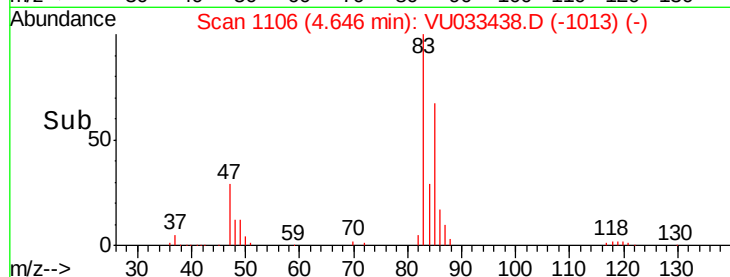
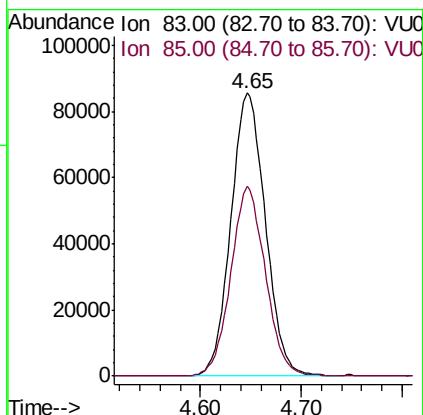
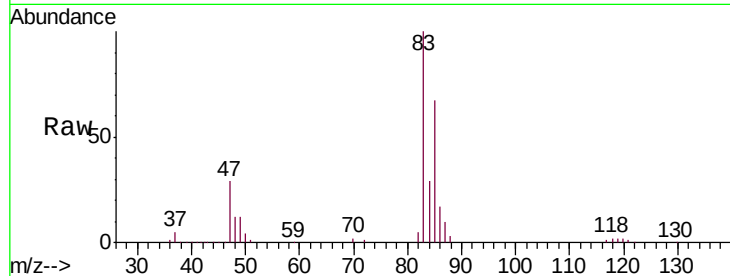




#25
Chloroform
Concen: 51.488 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

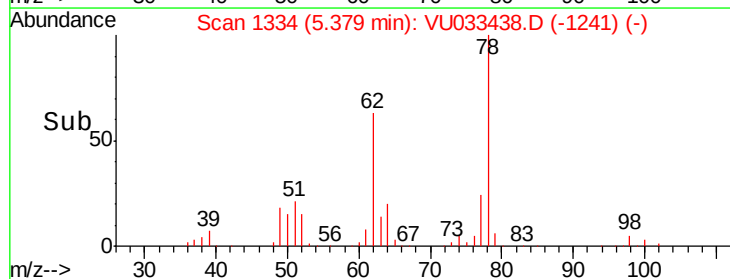
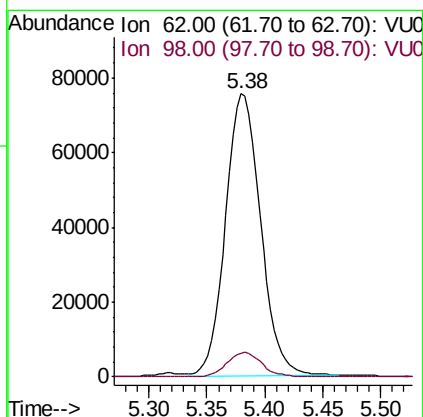
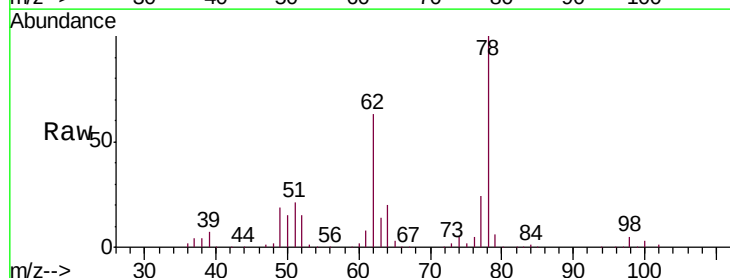
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

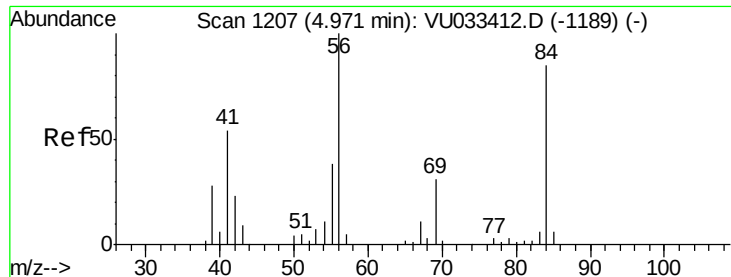
Tgt Ion: 83 Resp: 203849
Ion Ratio Lower Upper
83 100
85 67.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 51.952 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

Tgt Ion: 62 Resp: 159275
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.6

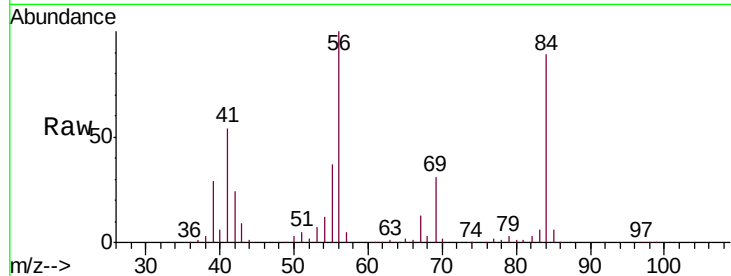




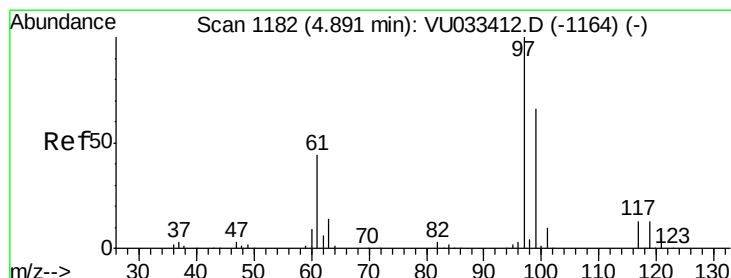
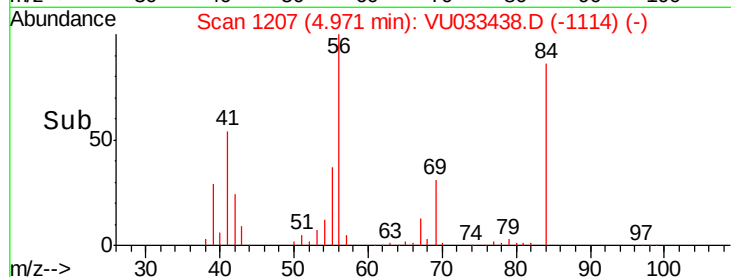
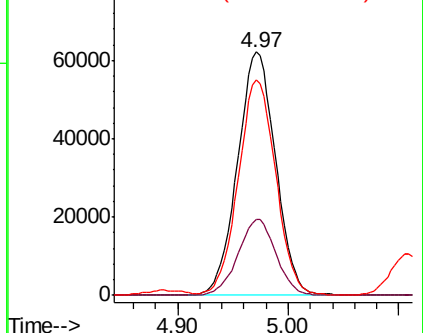
#29
Cyclohexane
Concen: 47.080 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion: 56 Resp: 148627
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 87.6 70.2 105.2

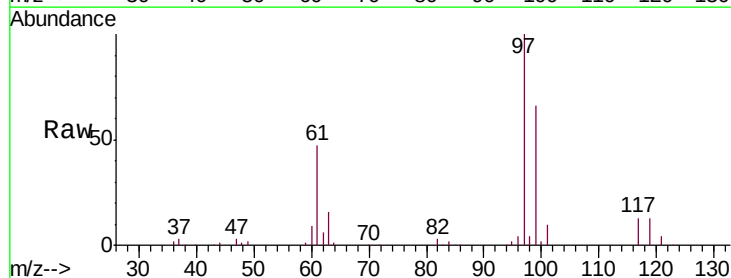


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

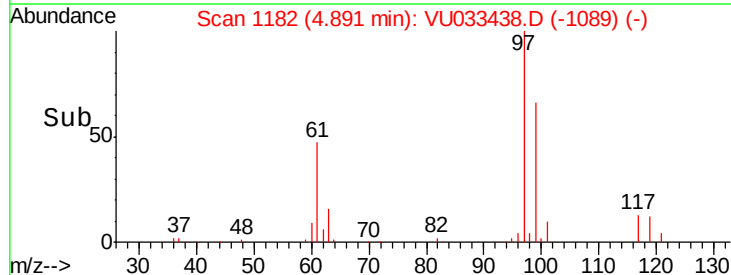
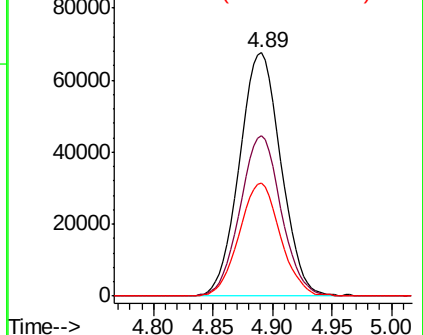


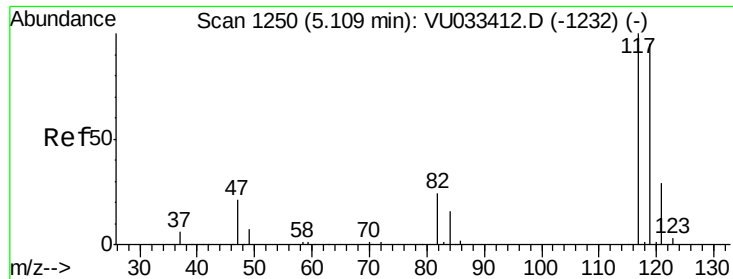
#30
1,1,1-Trichloroethane
Concen: 48.465 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

Tgt Ion: 97 Resp: 163809
Ion Ratio Lower Upper
97 100
99 65.2 51.5 77.3
61 46.0 36.4 54.6



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





#31

Carbon tetrachloride

Concen: 49.364 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

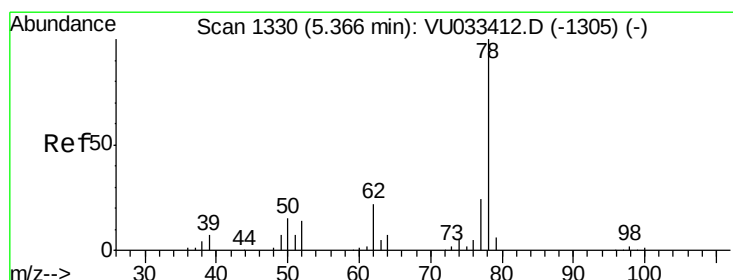
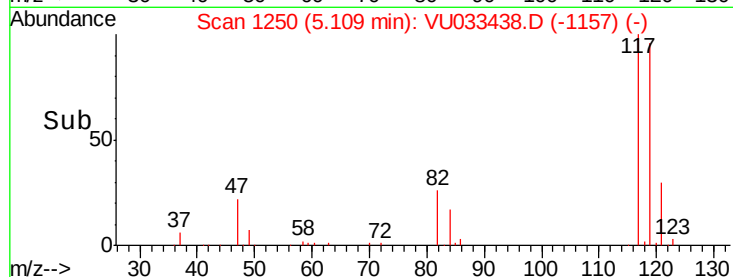
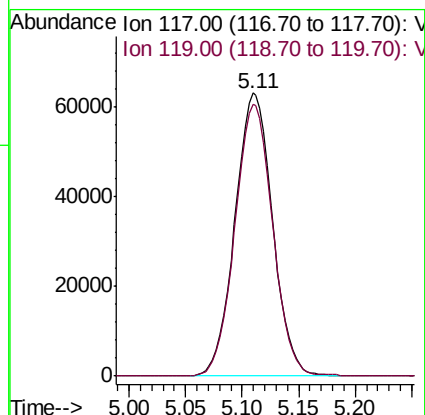
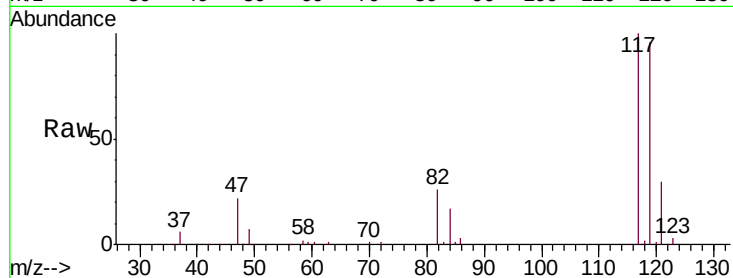
VSTD05057

Tgt Ion:117 Resp: 146012

Ion Ratio Lower Upper

117 100

119 96.6 76.9 115.3



#33

Benzene

Concen: 49.795 ug/L

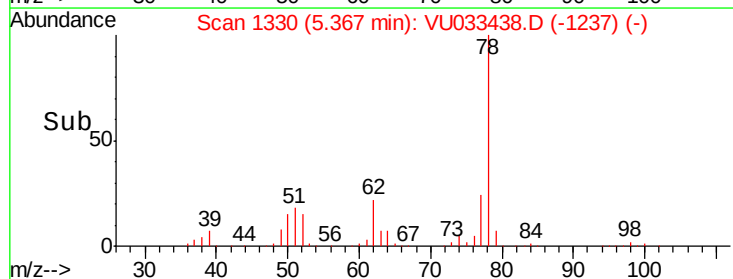
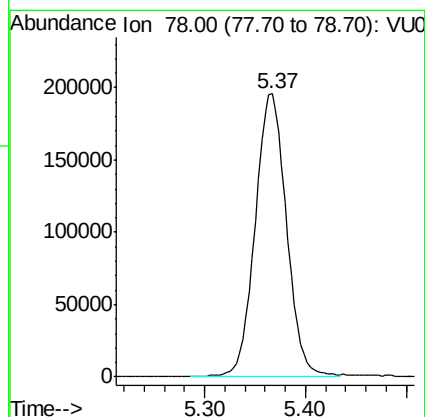
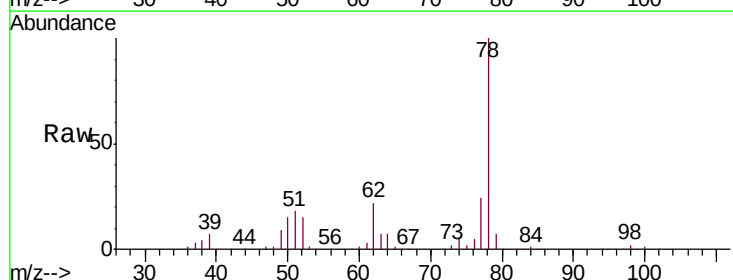
RT: 5.37 min Scan# 1330

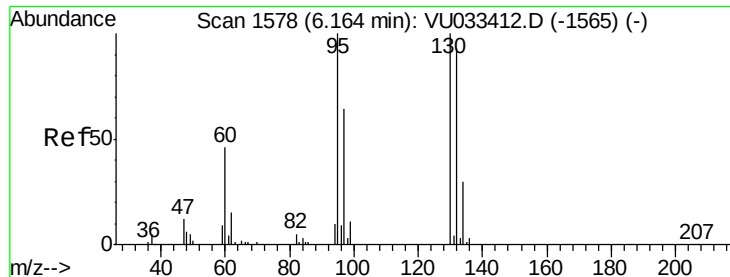
Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Tgt Ion: 78 Resp: 420707





#34

Trichloroethene

Concen: 61.812 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

Tgt Ion: 95 Resp: 136580

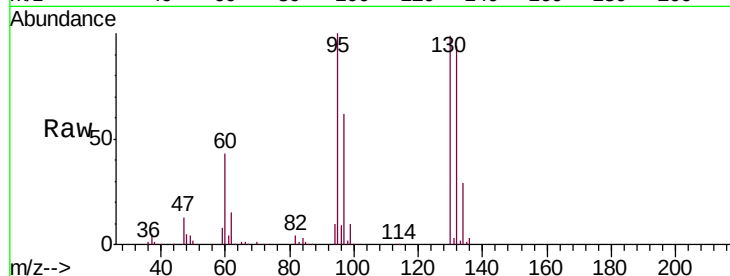
Ion Ratio Lower Upper

95 100

97 62.1 43.8 81.4

132 93.7 65.5 121.6

130 98.9 69.7 129.5

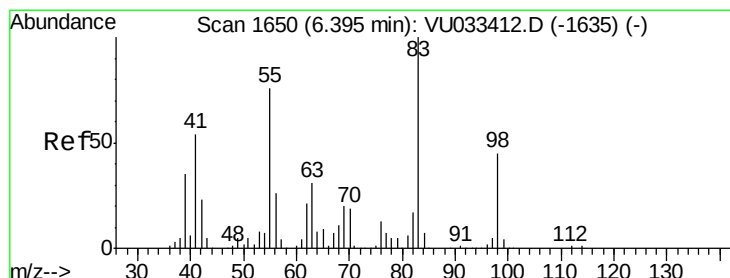
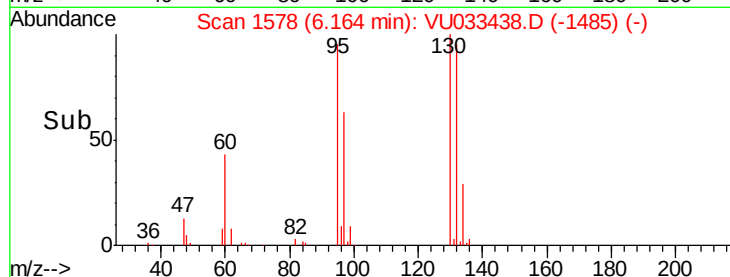
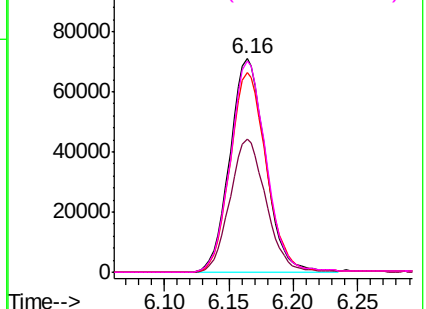


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 45.823 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

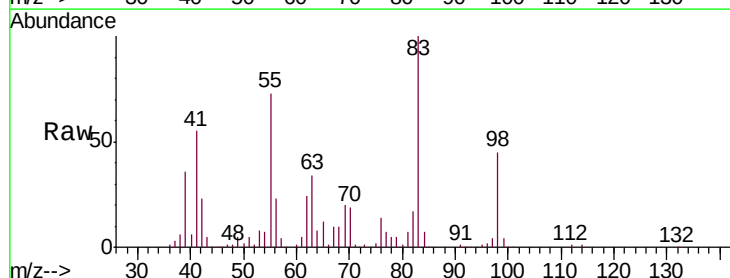
Tgt Ion: 83 Resp: 155103

Ion Ratio Lower Upper

83 100

55 75.7 60.5 90.7

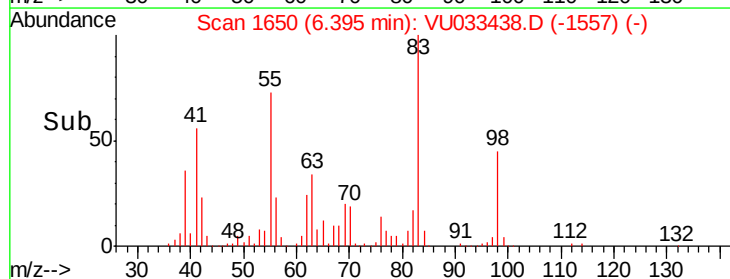
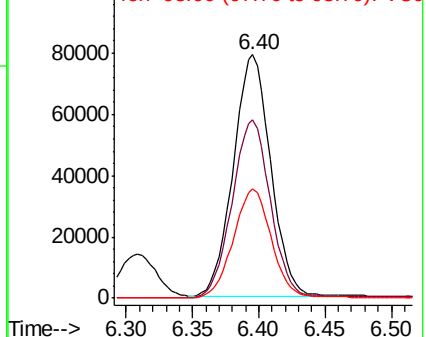
98 45.9 37.4 56.0

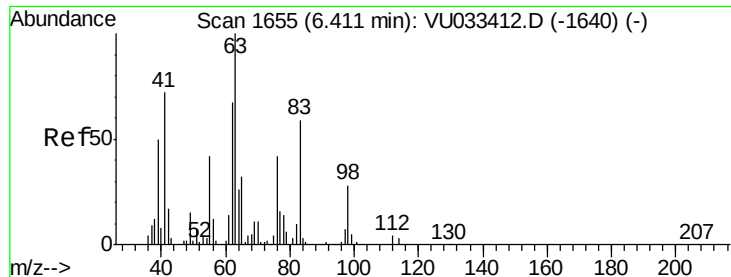


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

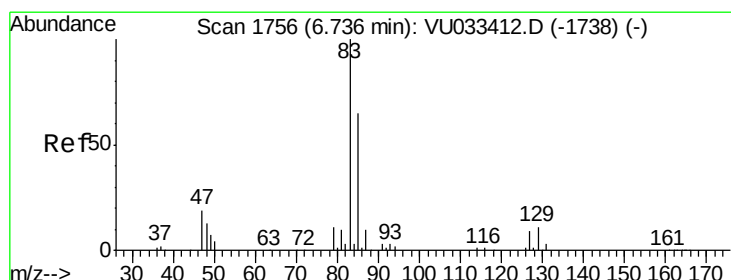
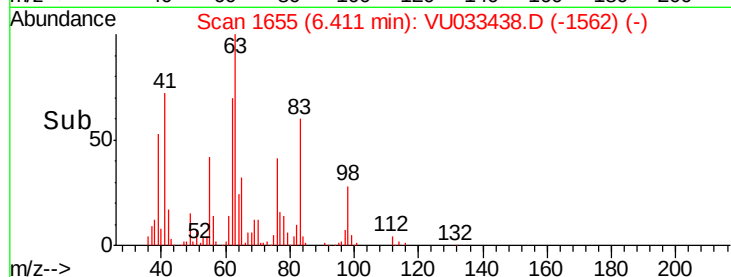
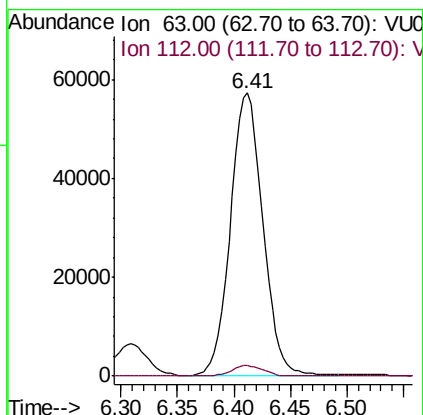
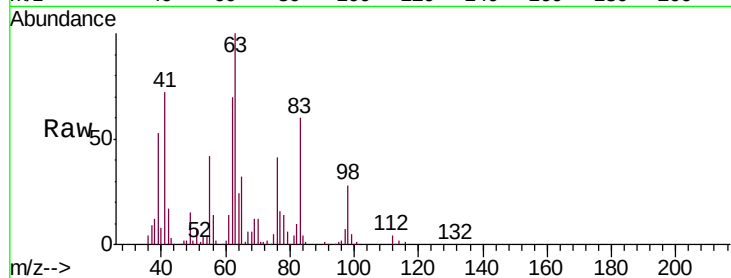




#37
 1,2-Dichloropropane
 Concen: 49.709 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

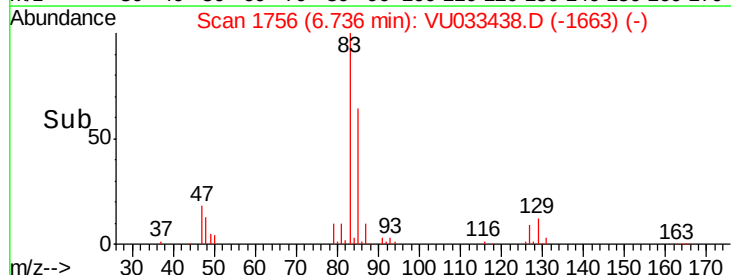
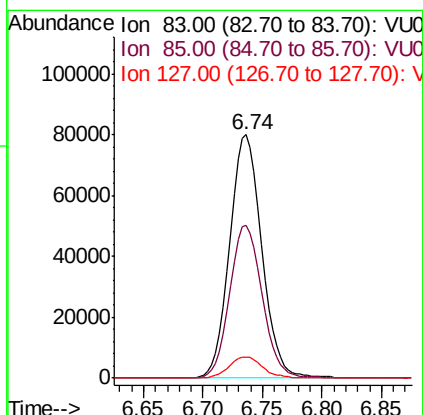
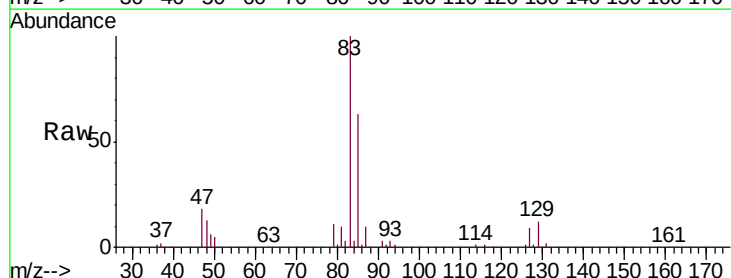
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

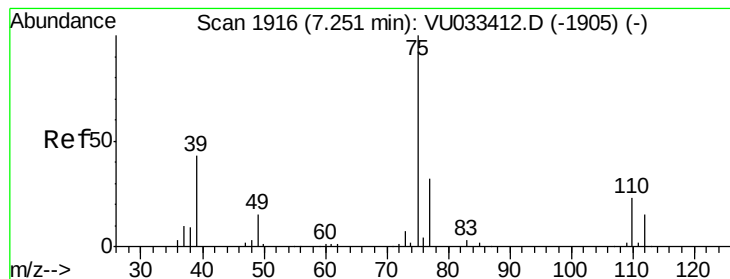
Tgt Ion: 63 Resp: 113900
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.534 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

Tgt Ion: 83 Resp: 149360
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.8 85.0
 127 8.8 6.8 10.2



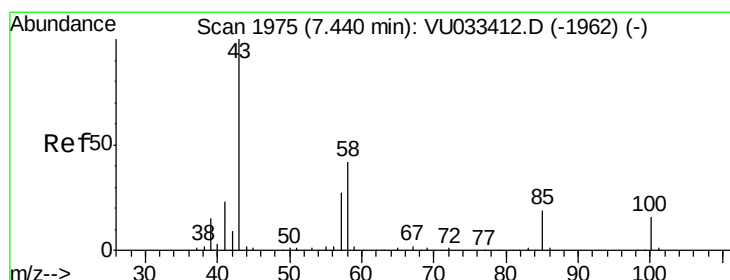
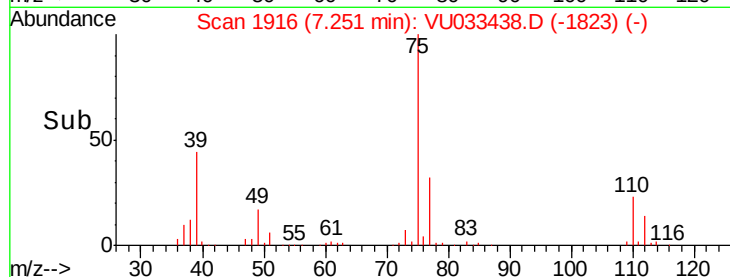
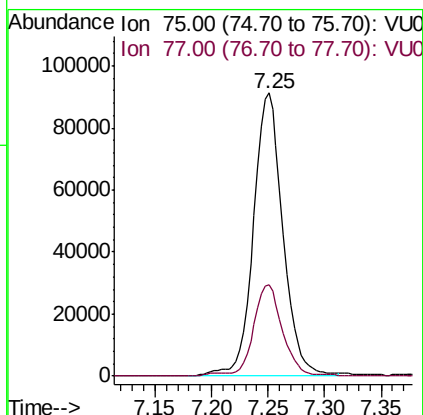
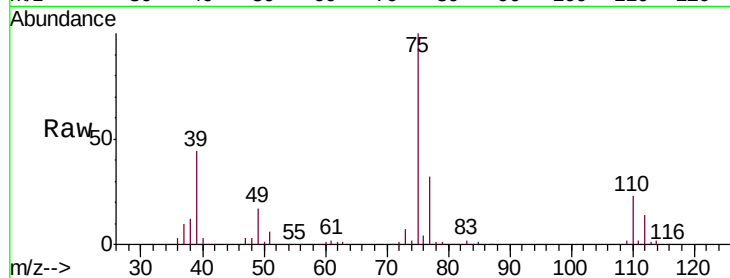


#39

cis-1,3-Dichloropropene
 Concen: 47.099 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

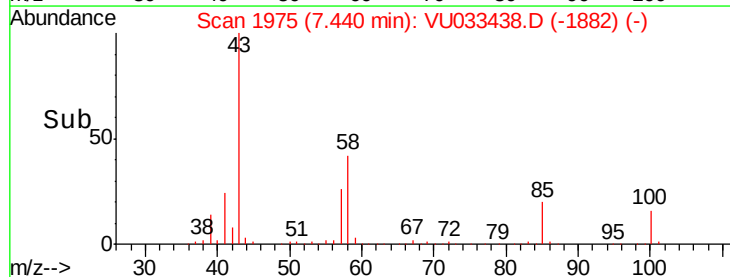
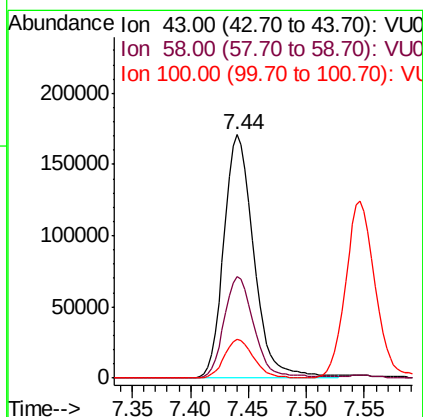
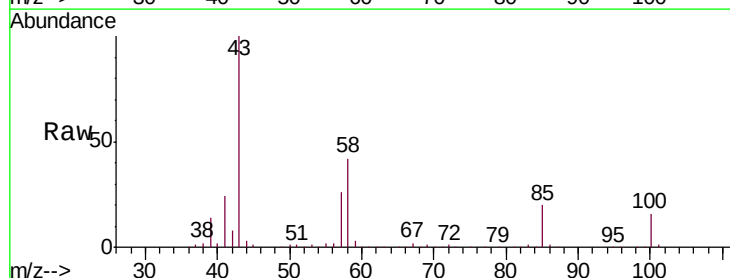
Tgt Ion: 75 Resp: 165463
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.1 42.9

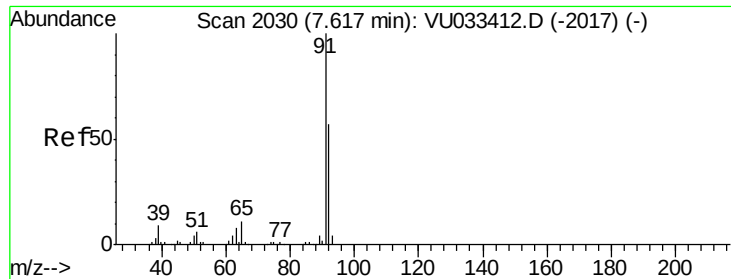


#40

4-Methyl-2-pentanone
 Concen: 99.762 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

Tgt Ion: 43 Resp: 306643
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.3 49.9
 100 15.6 12.1 18.1





#42

Toluene

Concen: 51.329 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

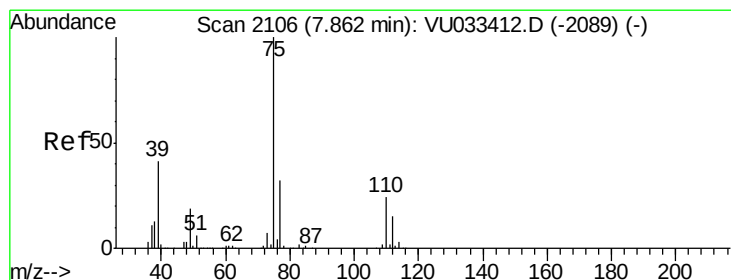
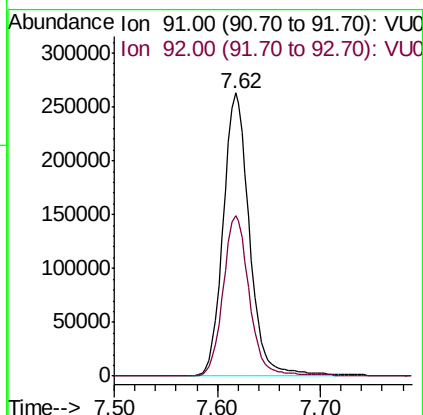
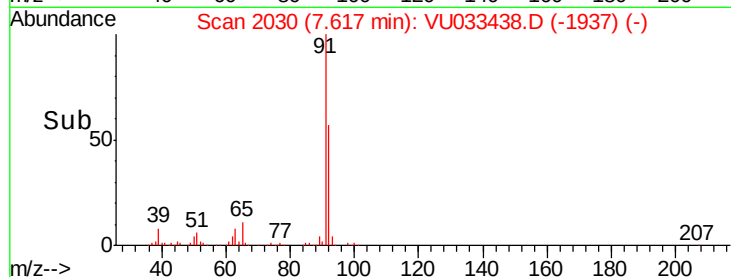
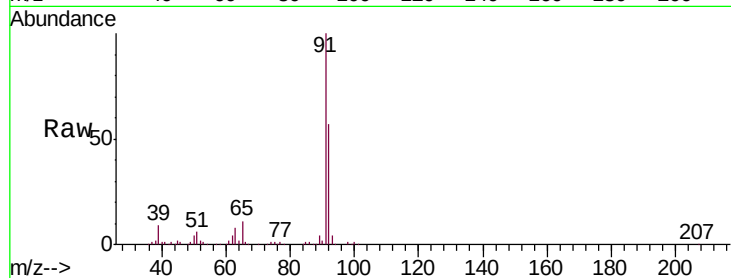
VSTD05057

Tgt Ion: 91 Resp: 467549

Ion Ratio Lower Upper

91 100

92 56.9 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 48.232 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033438.D

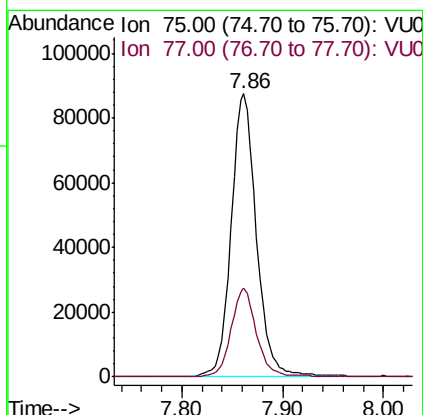
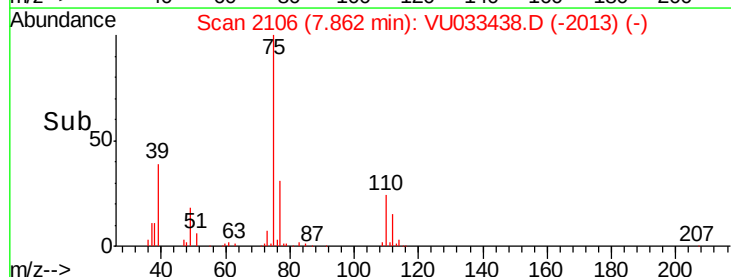
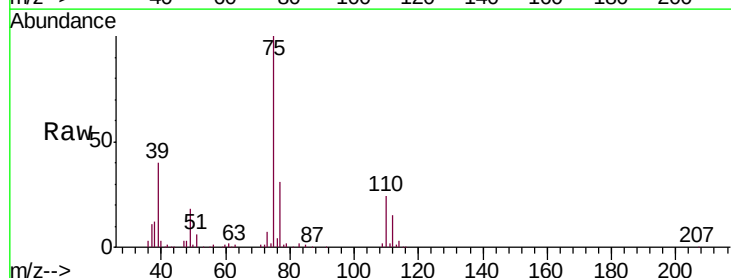
Acq: 26 Jul 2019 02:26

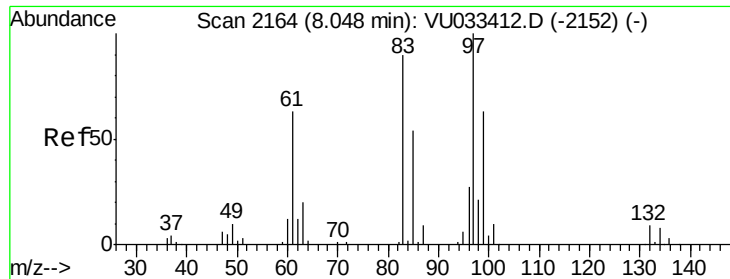
Tgt Ion: 75 Resp: 152810

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6

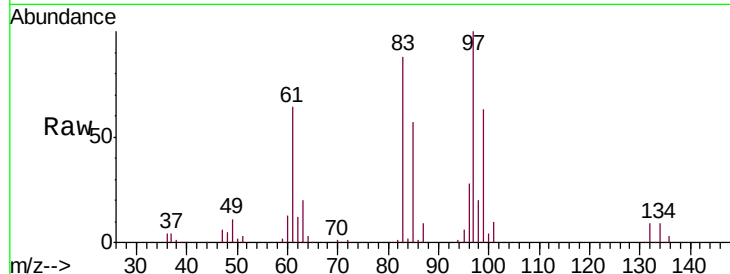




#45
 1,1,2-Trichloroethane
 Concen: 50.713 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion:	97	Resp:	109896
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.0	79.8
83	87.9	61.5	114.3
85	57.4	38.8	72.0



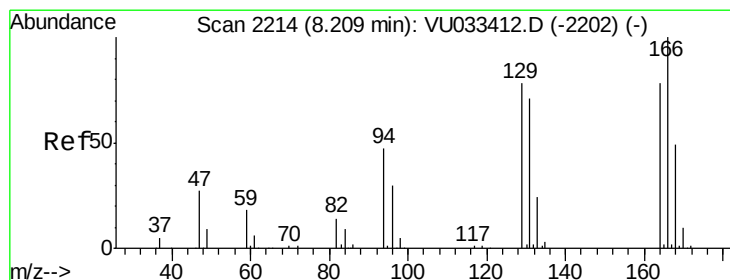
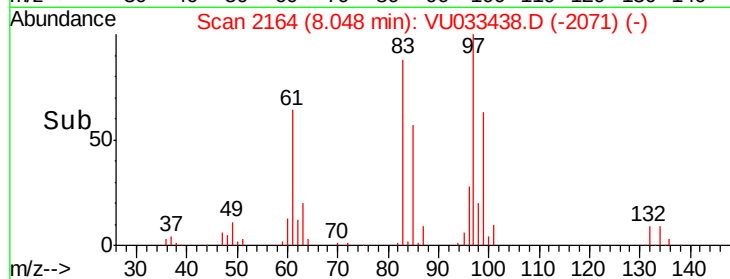
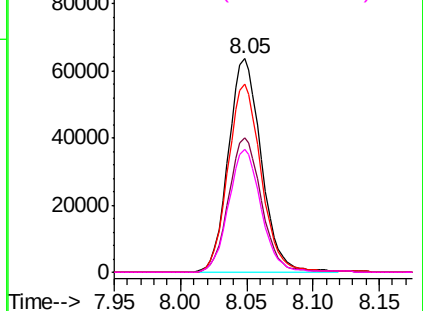
Abundance

Ion 97.00 (96.70 to 97.70): VU033438.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033438.D (-2152) (-)

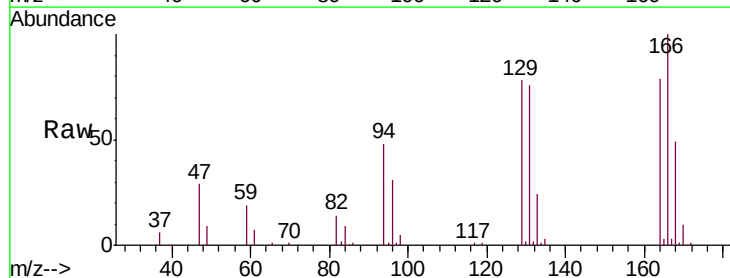
Ion 83.00 (82.70 to 83.70): VU033438.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033438.D (-2152) (-)



#46
 Tetrachloroethene
 Concen: 49.156 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

Tgt Ion:	164	Resp:	84083
Ion	Ratio	Lower	Upper
164	100		
129	98.4	69.6	129.2
131	96.3	65.7	122.1
166	126.1	88.5	164.4



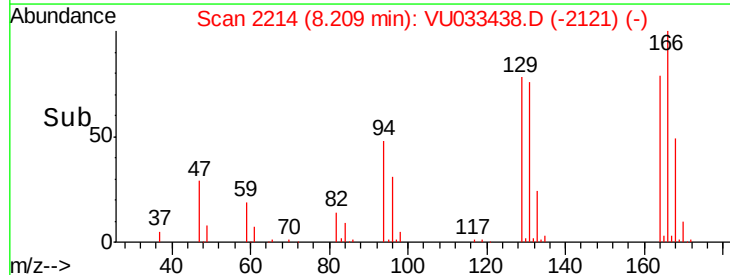
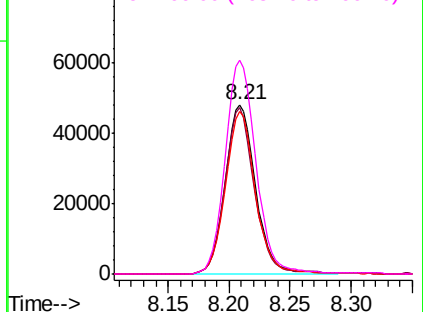
Abundance

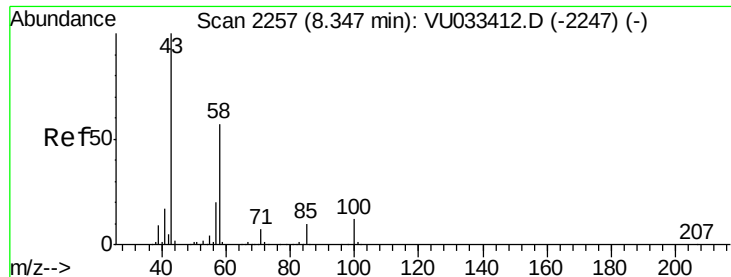
Ion 164.00 (163.70 to 164.70): VU033438.D (-2211) (-)

Ion 129.00 (128.70 to 129.70): VU033438.D (-2211) (-)

Ion 131.00 (130.70 to 131.70): VU033438.D (-2211) (-)

Ion 166.00 (165.70 to 166.70): VU033438.D (-2211) (-)

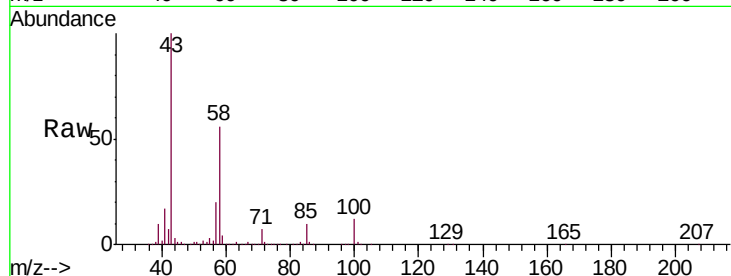




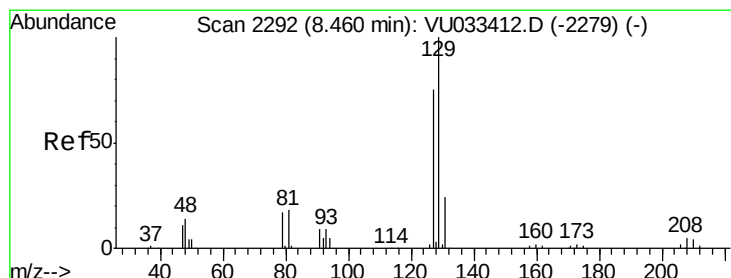
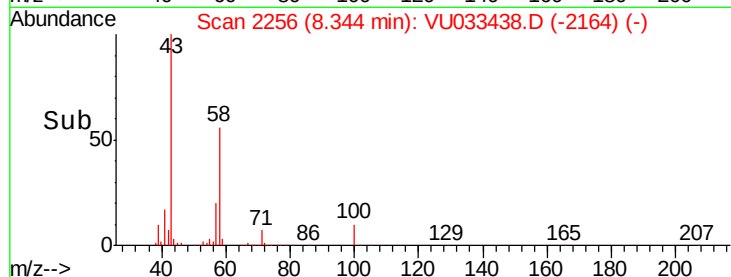
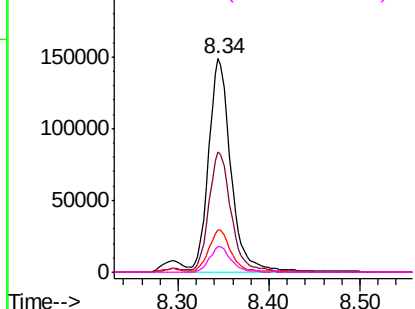
#48
2-Hexanone
Concen: 101.672 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion: 43 Resp: 254600
Ion Ratio Lower Upper
43 100
58 55.2 46.1 69.1
57 19.5 15.8 23.8
100 11.4 9.4 14.2

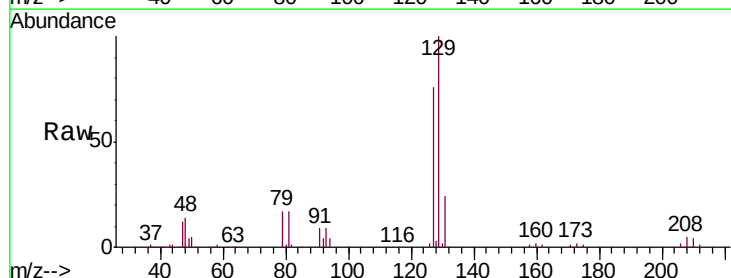


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

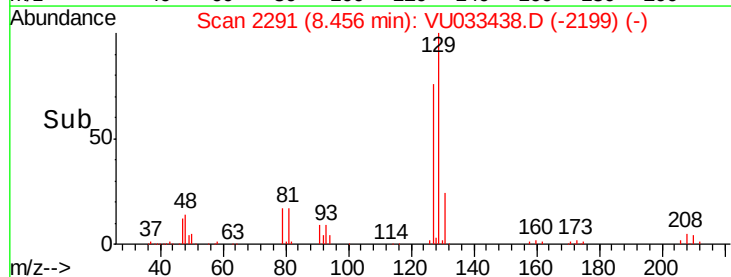
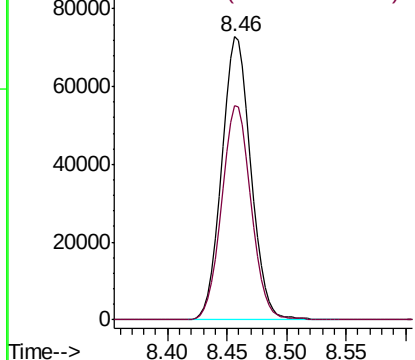


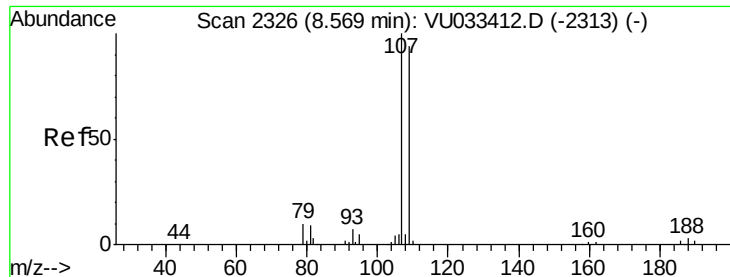
#49
Dibromochloromethane
Concen: 51.210 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

Tgt Ion: 129 Resp: 123792
Ion Ratio Lower Upper
129 100
127 75.6 54.3 100.9



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

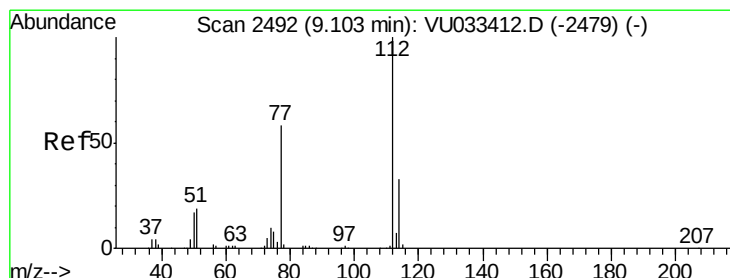
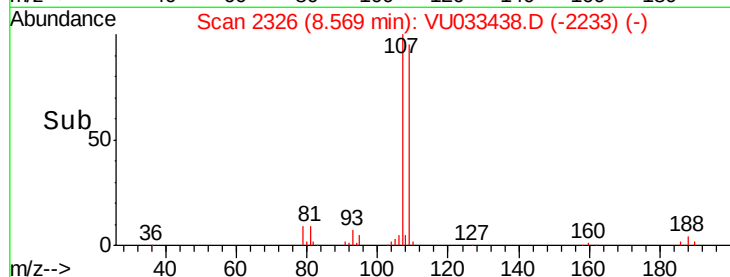
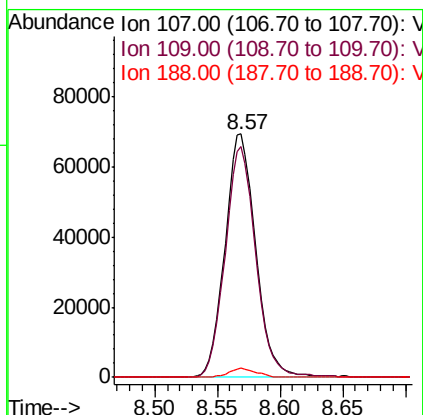
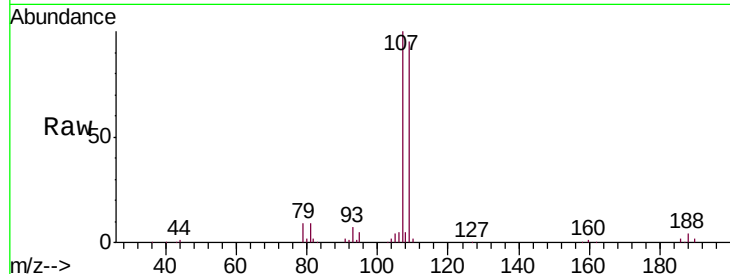




#50
1,2-Dibromoethane
Concen: 49.954 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

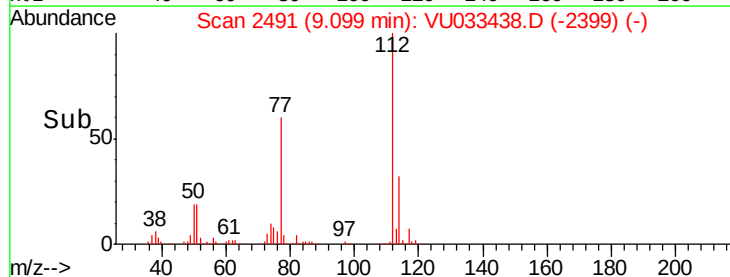
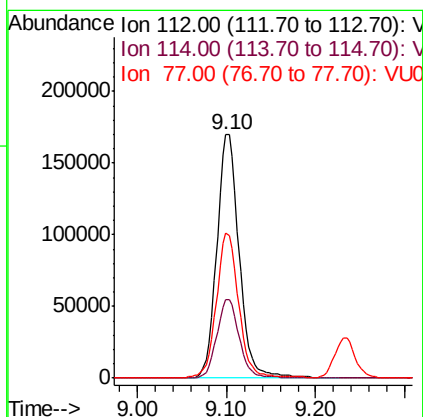
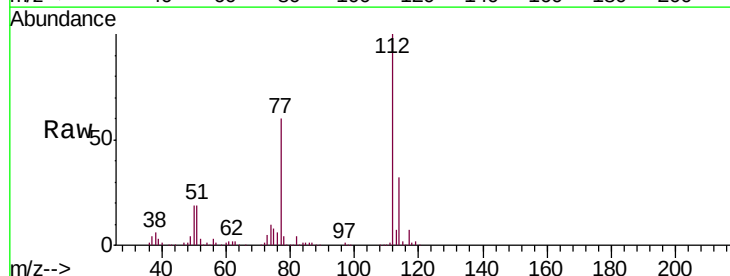
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

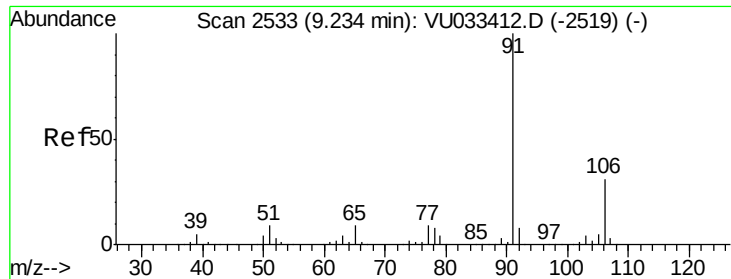
Tgt Ion:107 Resp: 118030
Ion Ratio Lower Upper
107 100
109 94.7 64.2 119.2
188 3.8 2.6 4.0



#51
Chlorobenzene
Concen: 49.587 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033438.D
Acq: 26 Jul 2019 02:26

Tgt Ion:112 Resp: 294816
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 59.8 47.2 70.8





#52

Ethylbenzene

Concen: 50.947 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

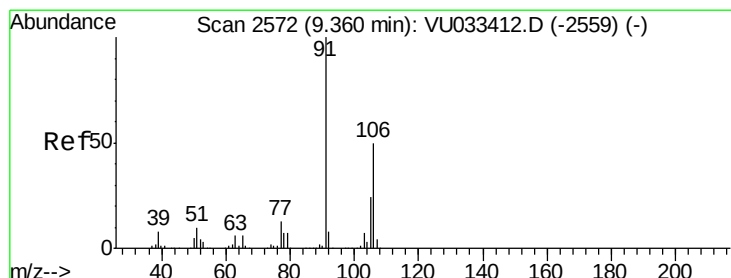
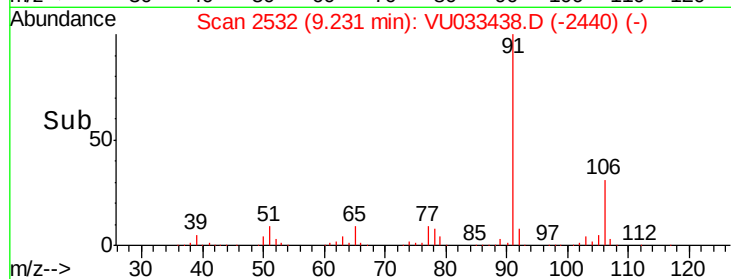
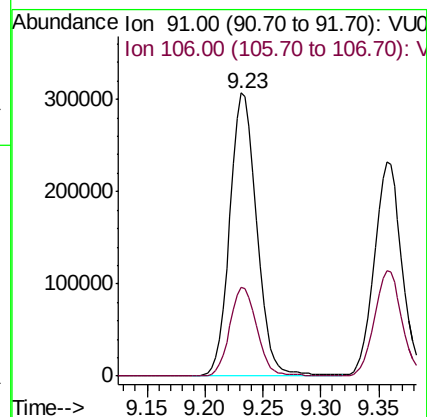
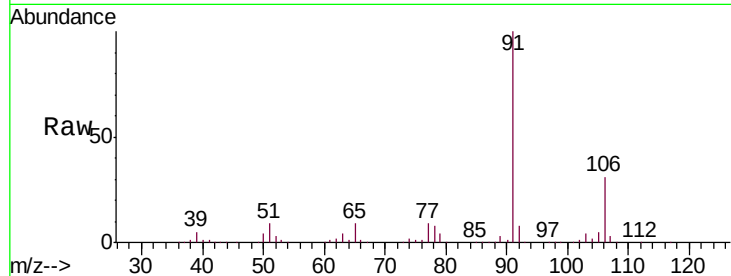
VSTD05057

Tgt Ion: 91 Resp: 496579

Ion Ratio Lower Upper

91 100

106 31.3 22.2 41.2



#53

m,p-Xylene

Concen: 51.768 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033438.D

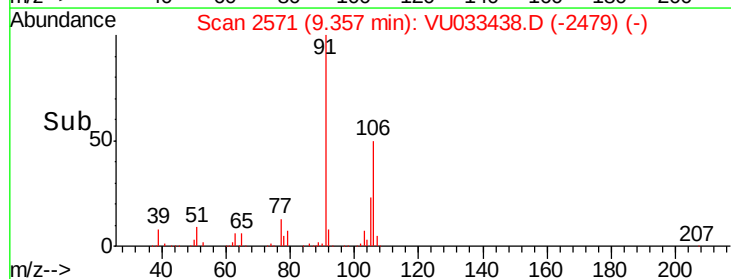
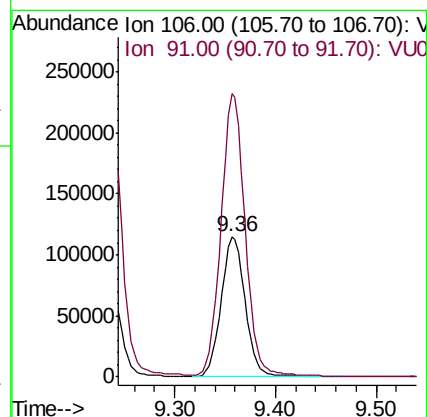
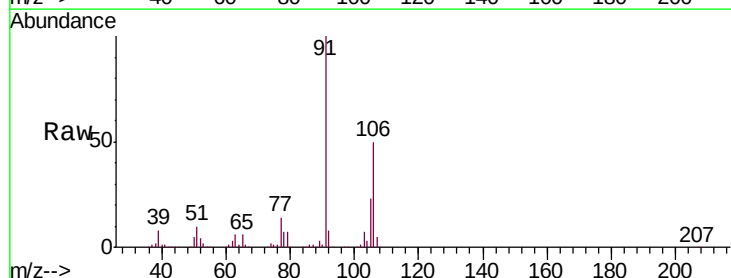
Acq: 26 Jul 2019 02:26

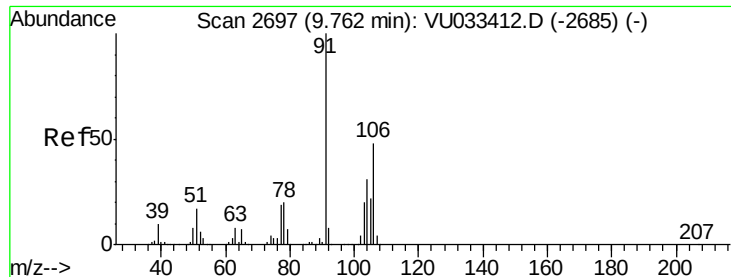
Tgt Ion: 106 Resp: 191120

Ion Ratio Lower Upper

106 100

91 201.8 141.3 262.3





#54

o-xylene

Concen: 50.817 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

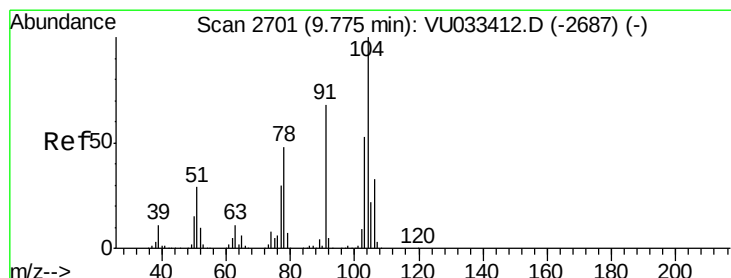
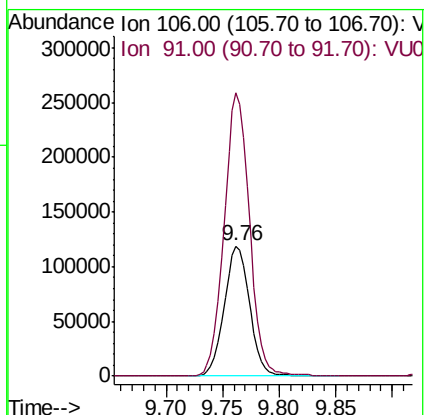
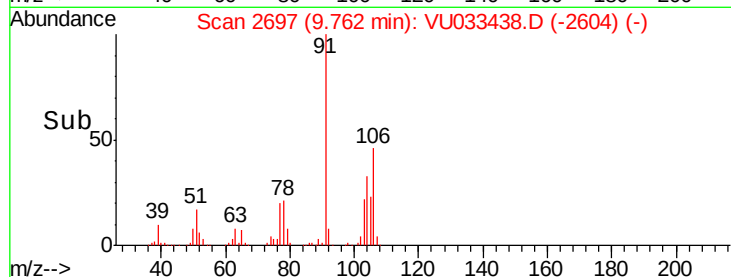
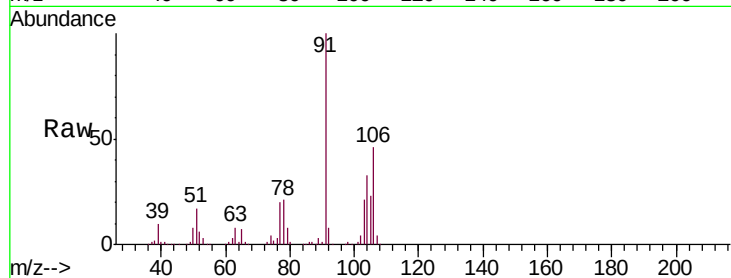
VSTD05057

Tgt Ion:106 Resp: 186289

Ion Ratio Lower Upper

106 100

91 217.4 150.5 279.5



#55

Styrene

Concen: 52.549 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033438.D

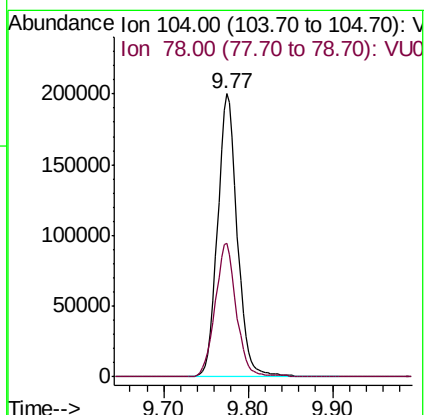
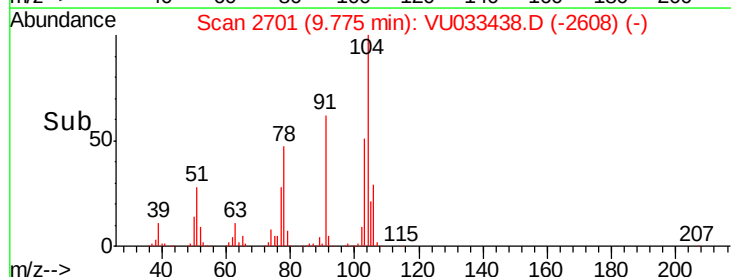
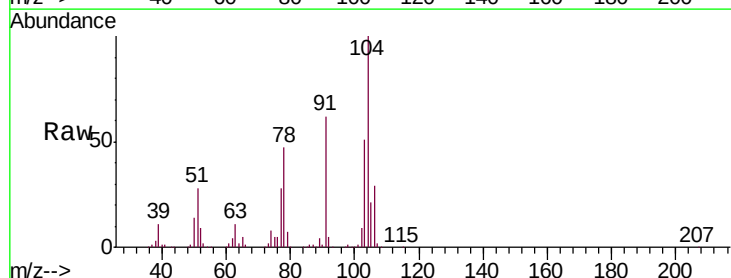
Acq: 26 Jul 2019 02:26

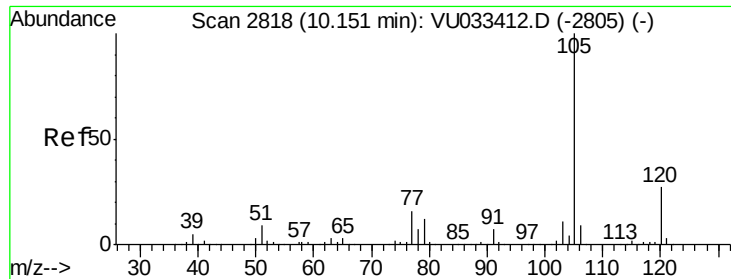
Tgt Ion:104 Resp: 326593

Ion Ratio Lower Upper

104 100

78 47.0 31.8 59.0





#56

Isopropylbenzene

Concen: 51.375 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

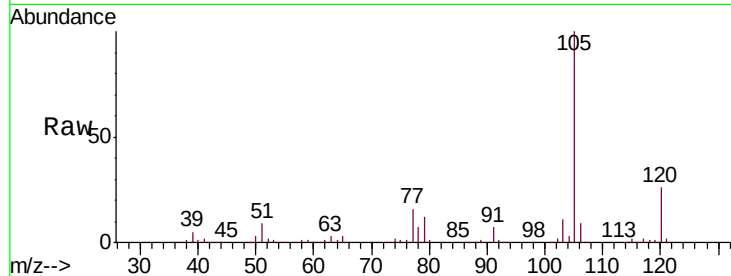
Tgt Ion: 105 Resp: 484632

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

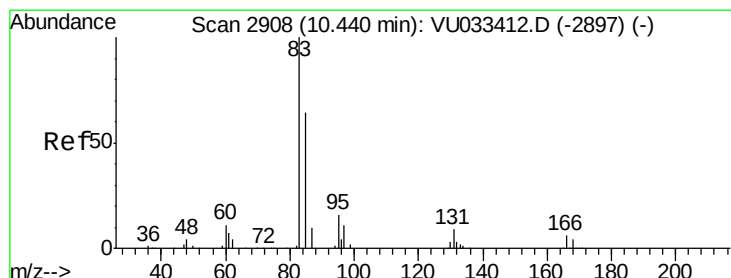
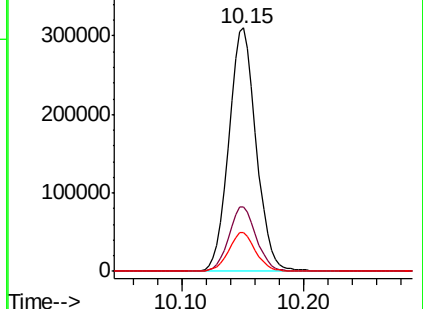
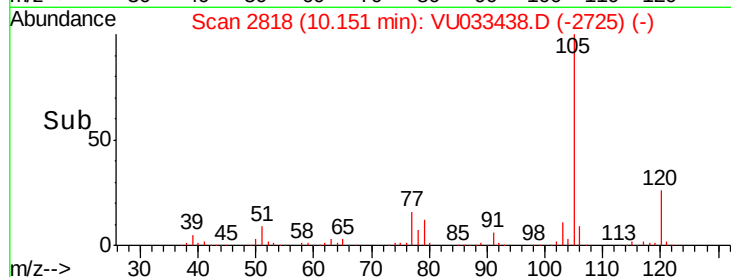
77 15.9 12.9 19.3



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: 51.155 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

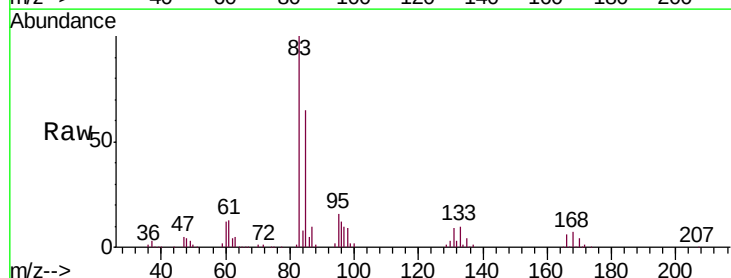
Tgt Ion: 83 Resp: 194722

Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.3

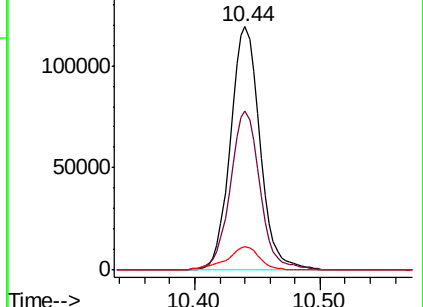
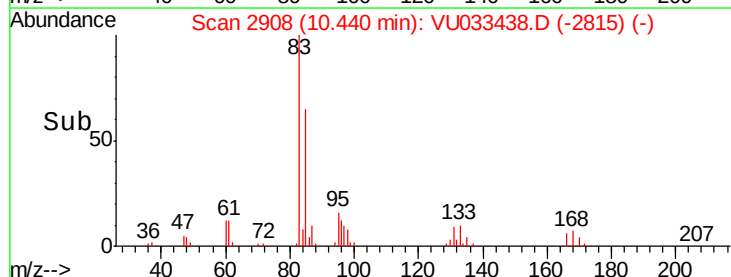
131 9.4 7.6 11.4

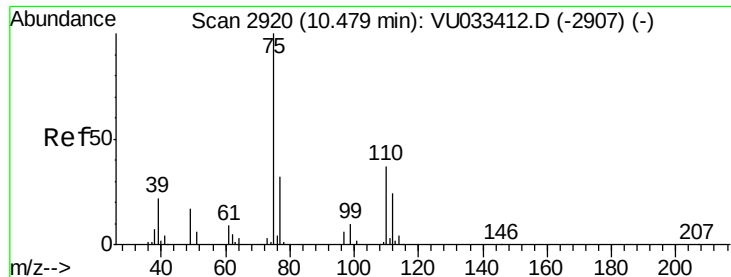


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

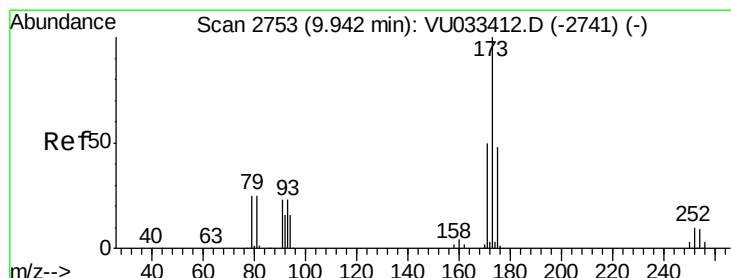
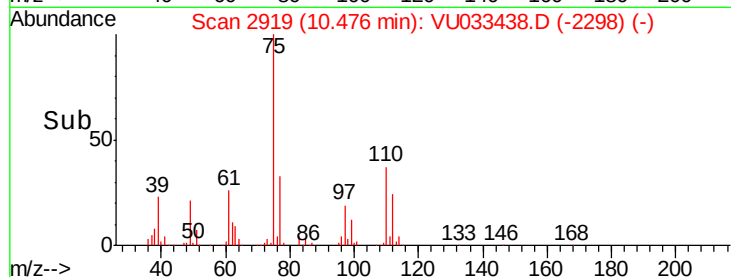
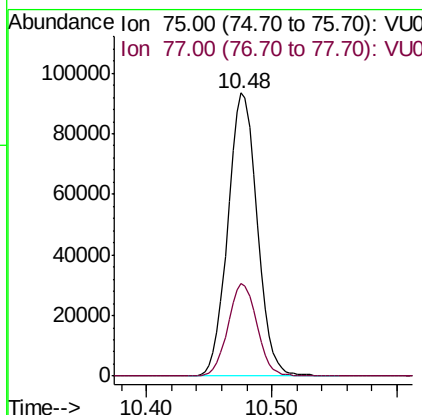
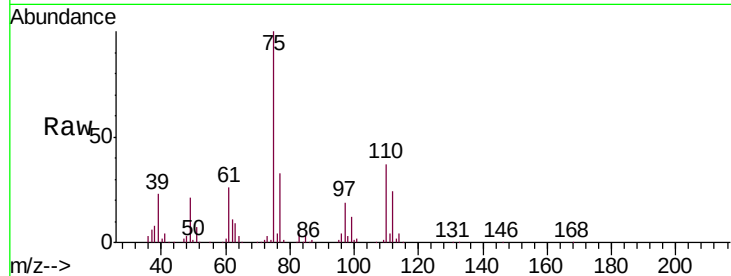




#59
 1,2,3-Trichloropropane
 Concen: 50.922 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

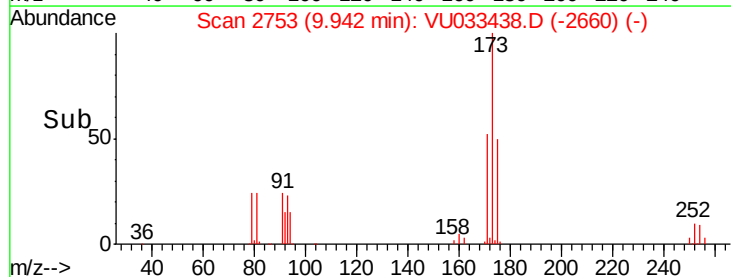
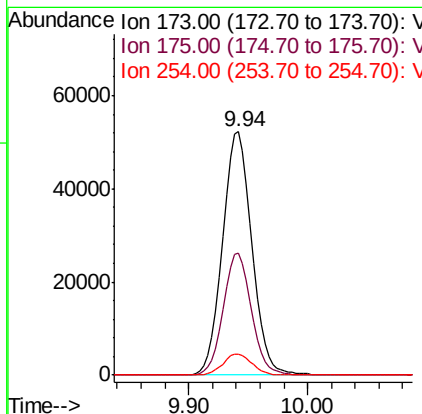
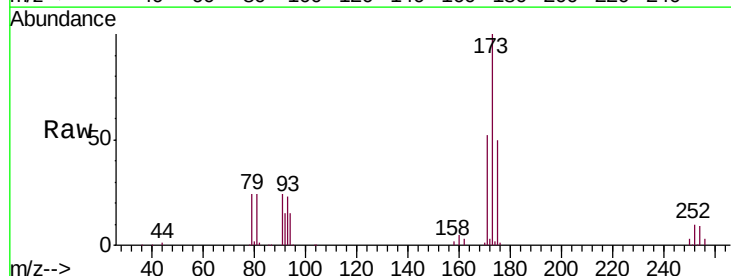
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

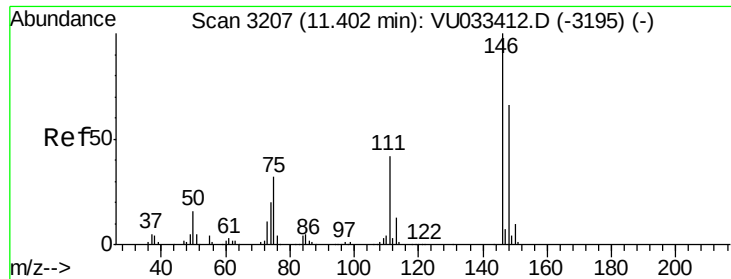
Tgt Ion: 75 Resp: 151896
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0



#61
 Bromoform
 Concen: 50.651 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

Tgt Ion: 173 Resp: 89081
 Ion Ratio Lower Upper
 173 100
 175 48.0 40.0 60.0
 254 8.5 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 48.885 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

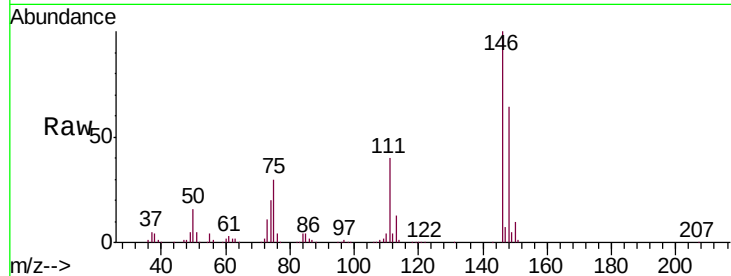
Tgt Ion:146 Resp: 216696

Ion Ratio Lower Upper

146 100

111 40.3 28.0 52.0

148 63.8 44.7 83.1

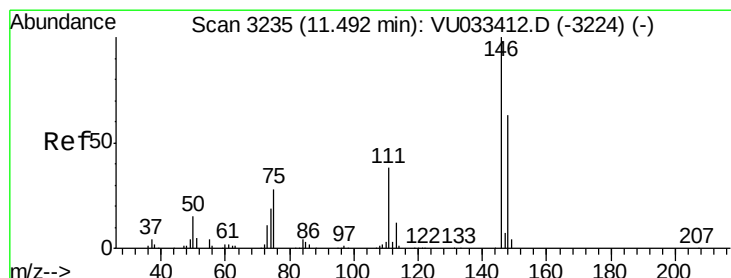
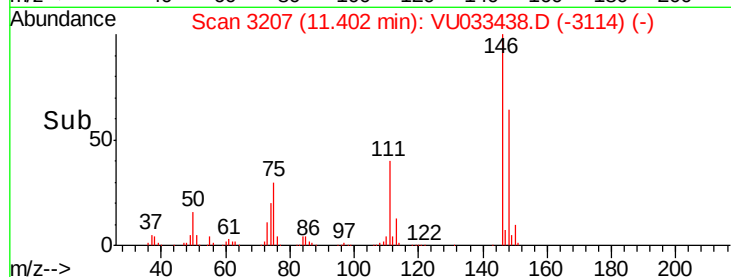
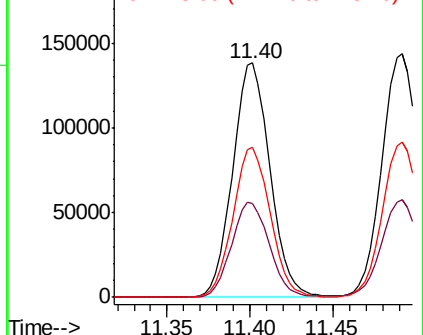


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.141 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

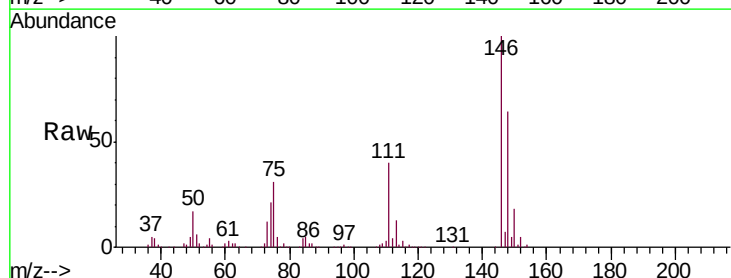
Tgt Ion:146 Resp: 227761

Ion Ratio Lower Upper

146 100

111 39.9 27.8 51.6

148 63.9 44.6 82.8

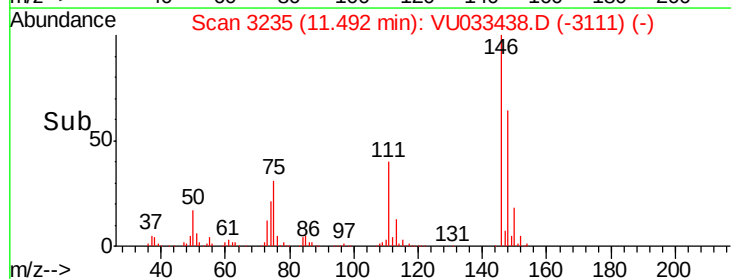
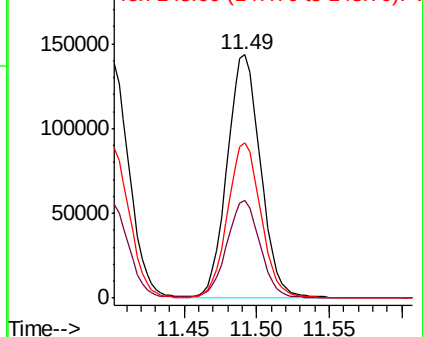


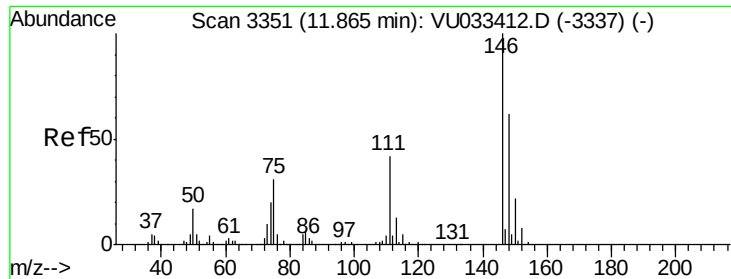
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.284 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

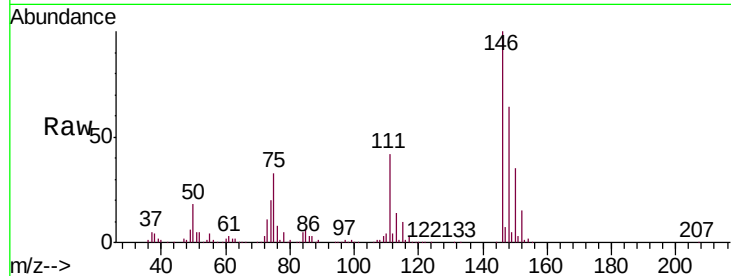
Tgt Ion:146 Resp: 233146

Ion Ratio Lower Upper

146 100

111 42.3 34.3 51.5

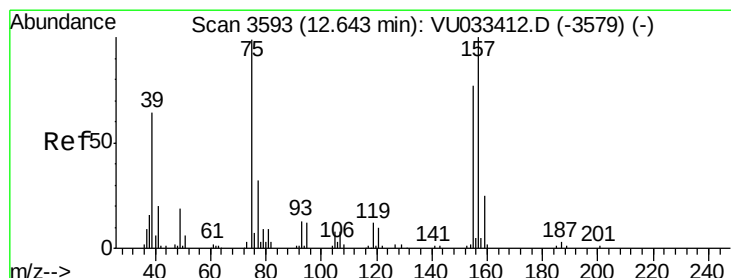
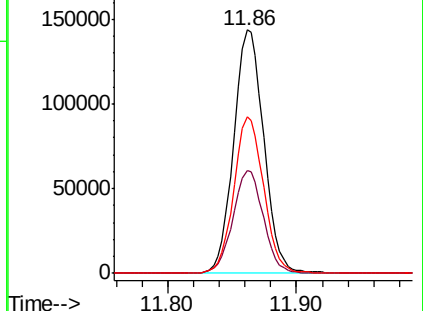
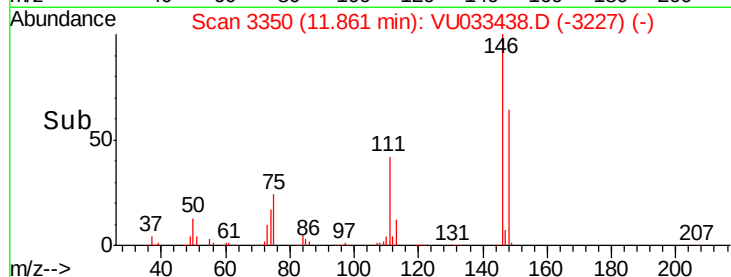
148 64.3 51.5 77.3



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: 49.459 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

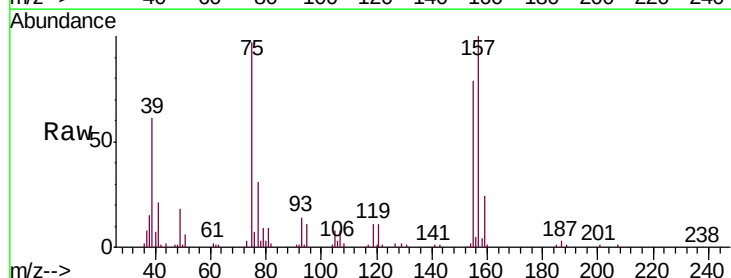
Tgt Ion: 75 Resp: 42915

Ion Ratio Lower Upper

75 100

155 82.0 63.5 95.3

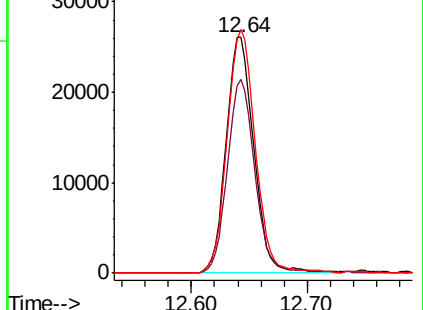
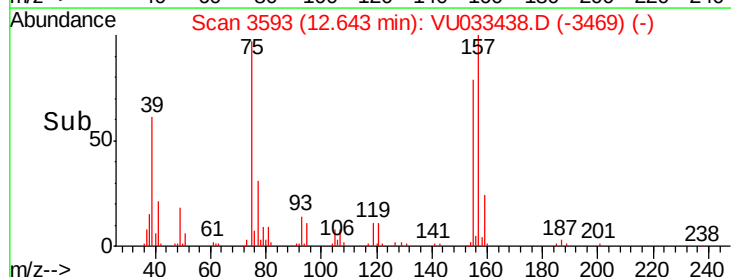
157 103.3 84.6 127.0

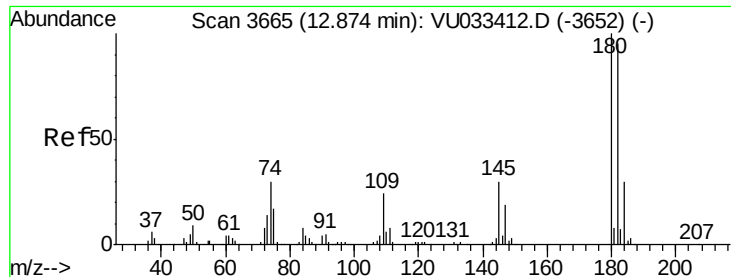


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

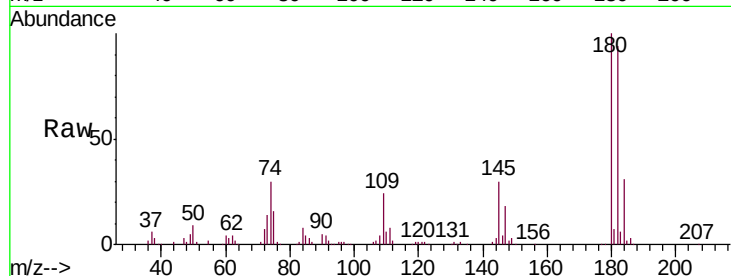




#67
 1,3,5-Trichlorobenzene
 Concen: 51.511 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.5	113.3
184	30.5	24.2	36.2
145	29.9	24.1	36.1



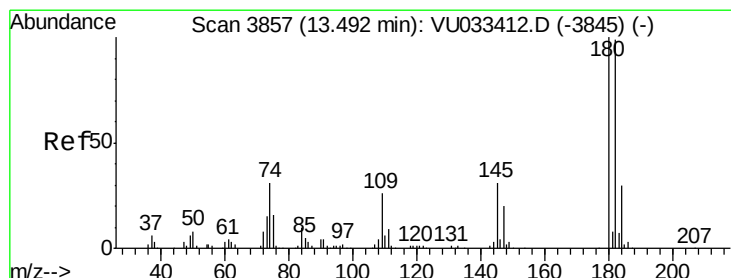
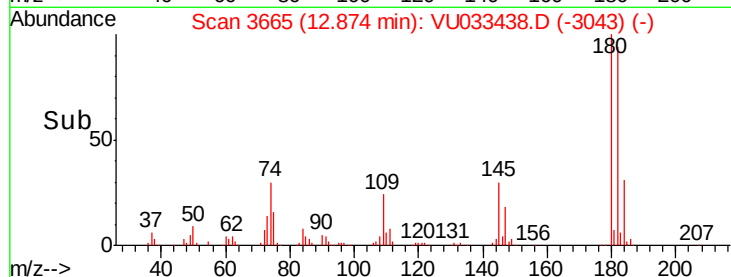
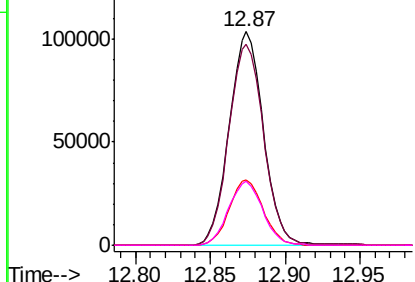
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

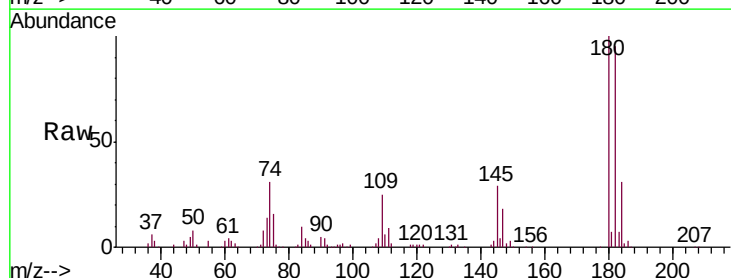
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.087 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033438.D
 Acq: 26 Jul 2019 02:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.5	114.7
145	29.8	24.6	36.8

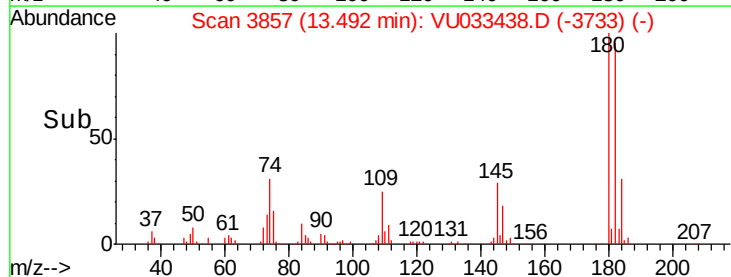
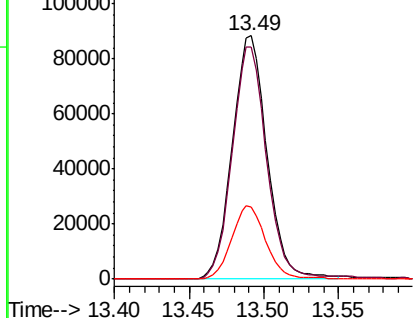


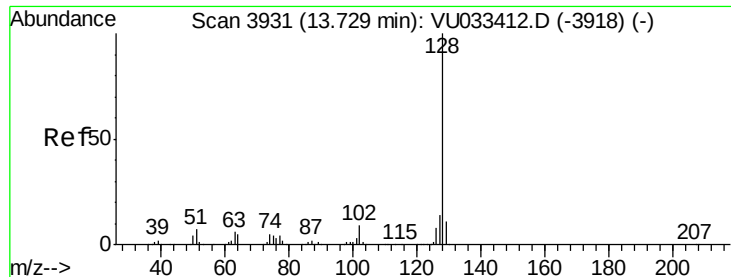
Abundance

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: 53.907 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

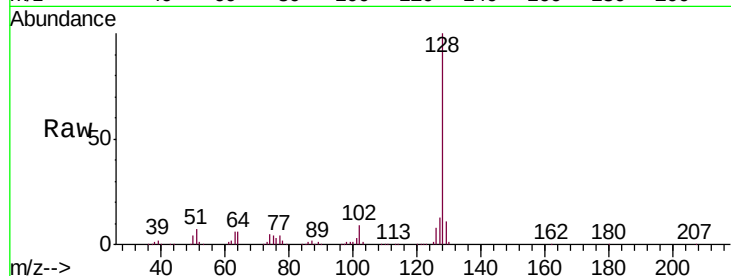
Tgt Ion:128 Resp: 483652

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

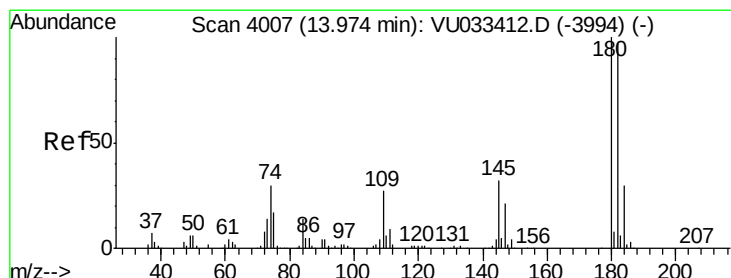
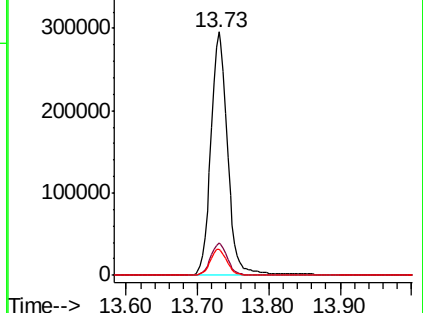
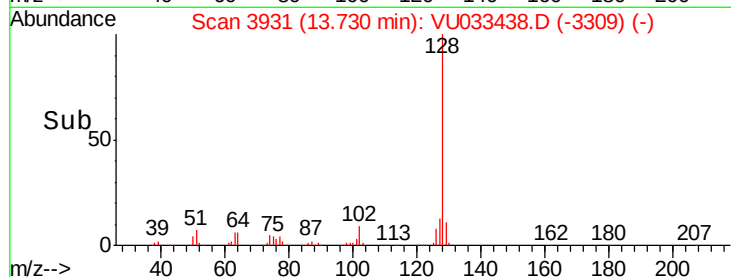
129 10.6 8.7 13.1



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: 52.386 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033438.D

Acq: 26 Jul 2019 02:26

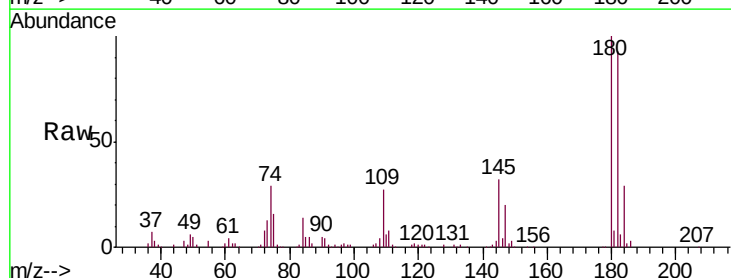
Tgt Ion:180 Resp: 159144

Ion Ratio Lower Upper

180 100

182 94.2 77.4 116.2

145 31.6 26.2 39.2



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

