

Data File : VU033358.D
Acq On : 20 Jul 2019 04:22
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Quant Time: Jul 20 05:26:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 20 05:21:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	104088	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	109706	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	53119	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	43832	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.67	69	42036	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.26	63	97780	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.16	46	103711	52.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.00%
24) Chloroform-d	4.62	84	71464	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.29	65	43027	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.32	84	138588	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.31	67	46225	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.55	98	130391	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.83	79	17954	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.30	63	88866	55.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.06%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	43799	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	46373	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	46043	5.210 ug/L	96
3) Chloromethane	1.32	50	51454	4.933 ug/L	97
5) Vinyl chloride	1.40	62	61550	5.493 ug/L	100
6) Bromomethane	1.62	94	22999	3.237 ug/L	98
8) Chloroethane	1.69	64	41839	5.834 ug/L	95
9) Trichlorofluoromethane	1.87	101	88632	5.519 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	48835	5.506 ug/L	95
12) 1,1-Dichloroethene	2.27	96	47021	5.499 ug/L	90
13) Acetone	2.31	43	108067	62.484 ug/L	98
14) Carbon disulfide	2.46	76	149685	5.406 ug/L	99
15) Methyl Acetate	2.60	43	28789	6.665 ug/L	100
16) Methylene chloride	2.68	84	57937	5.557 ug/L	94
17) Methyl tert-butyl Ether	2.98	73	142157	6.347 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	52215	5.528 ug/L	98
19) 1,1-Dichloroethane	3.42	63	80118	5.645 ug/L	98
21) 2-Butanone	4.25	43	122996	61.878 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	43049	5.392 ug/L	95

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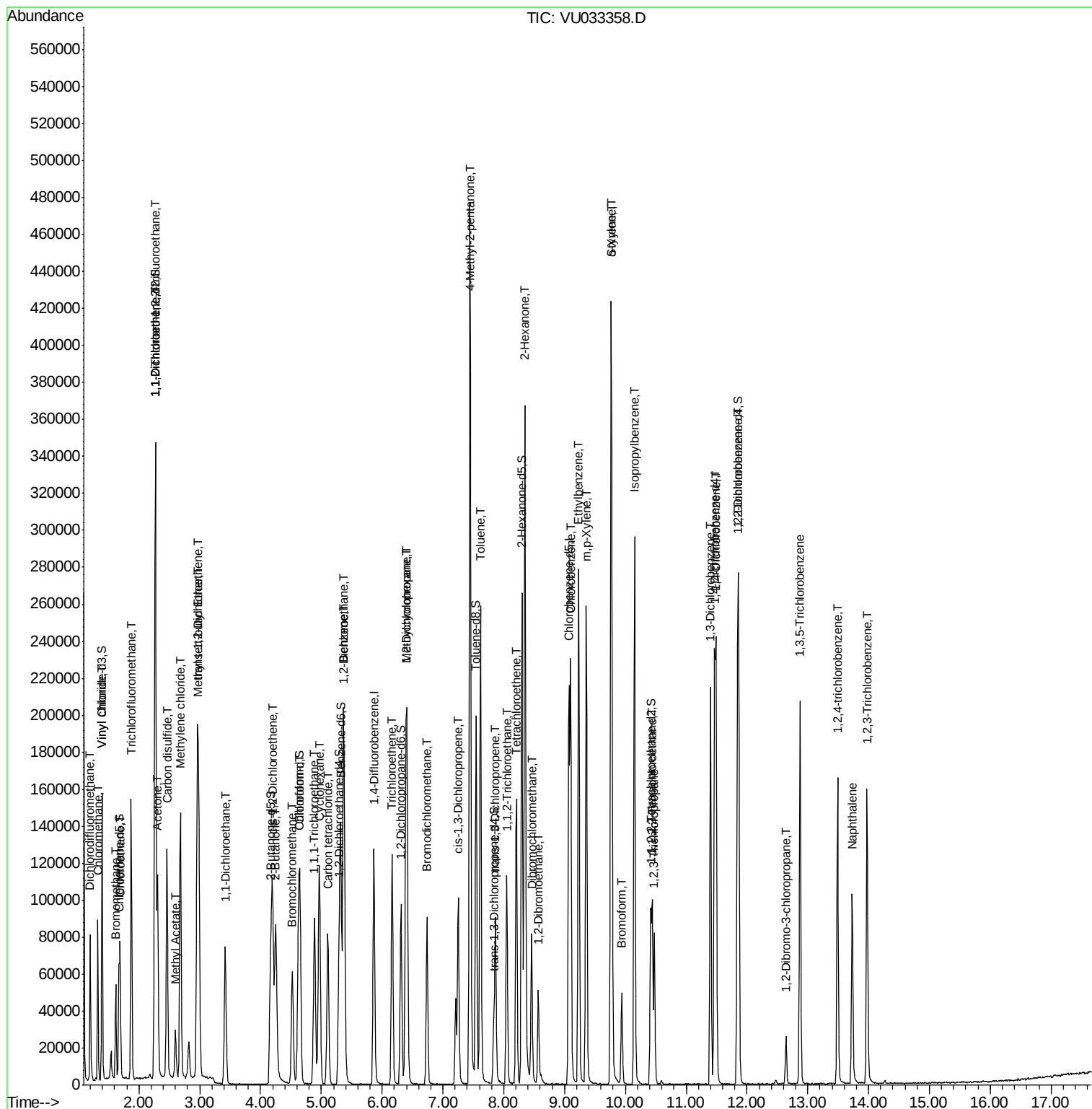
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	19262	5.478	ug/L	93
25) Chloroform	4.65	83	89290	5.679	ug/L	98
27) 1,2-Dichloroethane	5.38	62	55473	5.932	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	67935	5.361	ug/L	98
30) Cyclohexane	4.97	56	55019	4.835	ug/L	98
31) Carbon tetrachloride	5.11	117	58032	5.231	ug/L	100
33) Benzene	5.37	78	167500	5.391	ug/L	100
34) Trichloroethene	6.16	95	42332	5.149	ug/L	98
35) Methylcyclohexane	6.39	83	57210	4.618	ug/L	95
37) 1,2-Dichloropropane	6.41	63	48402	5.761	ug/L	100
38) Bromodichloromethane	6.74	83	58716	5.478	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	60740	5.068	ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	307099	63.790	ug/L	98
42) Toluene	7.62	91	186447	5.590	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	51047	5.267	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	34568	5.754	ug/L	95
47) Tetrachloroethene	8.21	164	31964	4.852	ug/L	96
48) 2-Hexanone	8.35	43	227023	64.473	ug/L	99
49) Dibromochloromethane	8.46	129	39657	5.481	ug/L	95
50) 1,2-Dibromoethane	8.57	107	33116	5.742	ug/L	99
51) Chlorobenzene	9.10	112	116761	5.333	ug/L	98
52) Ethylbenzene	9.23	91	188402	5.291	ug/L	100
53) m,p-Xylene	9.36	106	73111	5.435	ug/L	92
54) o-Xylene	9.76	106	70122	5.468	ug/L	96
55) Styrene	9.77	104	124641	5.577	ug/L	95
56) Isopropylbenzene	10.15	105	181004	5.309	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	46479	6.043	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	33218	6.063	ug/L	97
61) Bromoform	9.94	173	21264	5.821	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	83467	5.258	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	86710	5.187	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	87443	5.549	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	7361	6.172	ug/L #	74
67) 1,3,5-Trichlorobenzene	12.87	180	62230	4.988	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	48645	4.828	ug/L	99
69) Naphthalene	13.73	128	86339	5.059	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	48634	5.123	ug/L	99

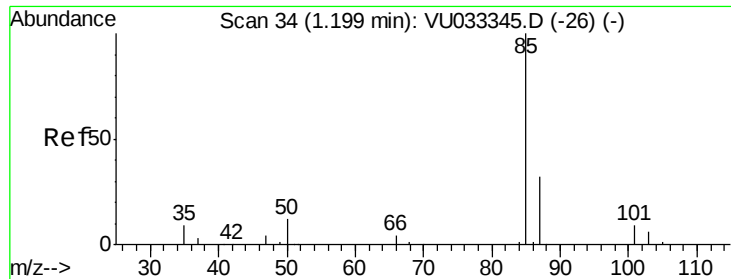
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.210 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

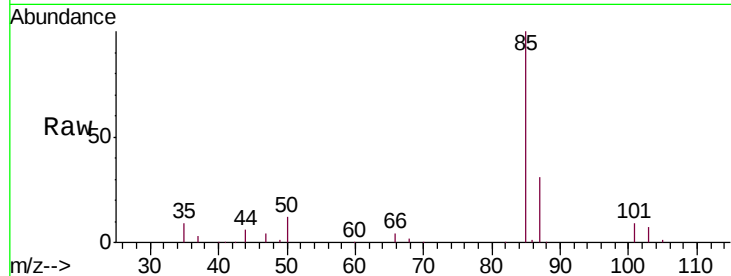
VSTD00518

Tgt Ion: 85 Resp: 46043

Ion Ratio Lower Upper

85 100

87 30.8 26.3 39.5

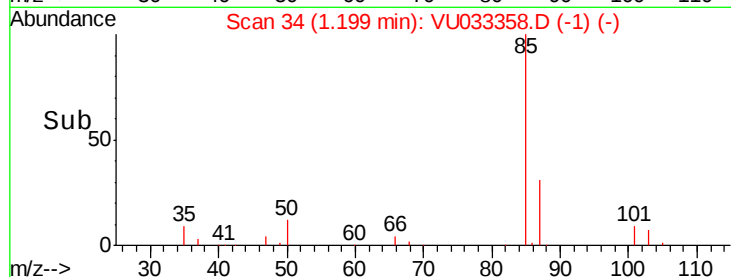


Abundance Ion 85.00 (84.70 to 85.70): VU033345.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033345.D (-26) (-)

1.20

Time-->

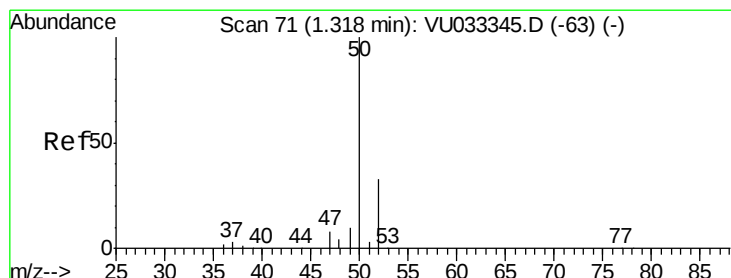


Abundance Ion 85.00 (84.70 to 85.70): VU033358.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033358.D (-1) (-)

1.20

Time-->



#3

Chloromethane

Concen: 4.933 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU033358.D

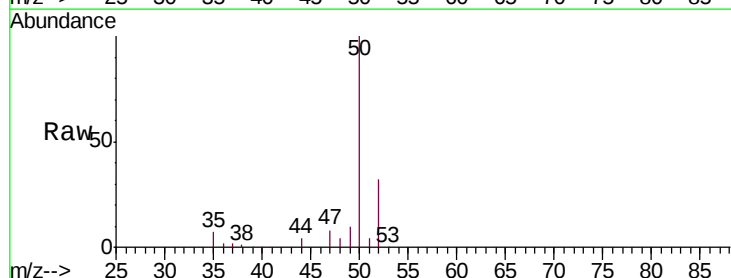
Acq: 20 Jul 2019 04:22

Tgt Ion: 50 Resp: 51454

Ion Ratio Lower Upper

50 100

52 31.8 23.3 43.3

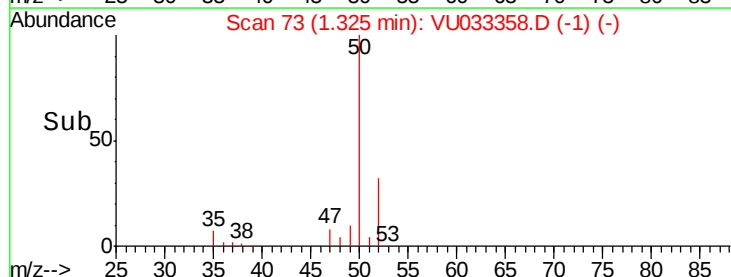


Abundance Ion 50.05 (49.75 to 50.75): VU033345.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU033345.D (-63) (-)

1.32

Time-->

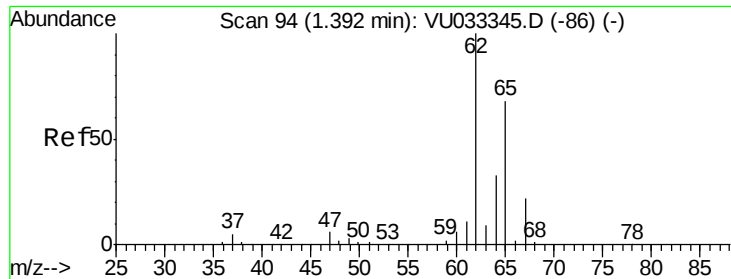


Abundance Ion 50.05 (49.75 to 50.75): VU033358.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU033358.D (-1) (-)

1.32

Time-->



#5

Vinyl chloride

Concen: 5.493 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

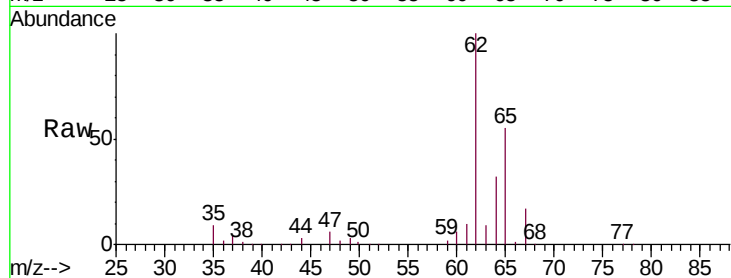
VSTD00518

Tgt Ion: 62 Resp: 61550

Ion Ratio Lower Upper

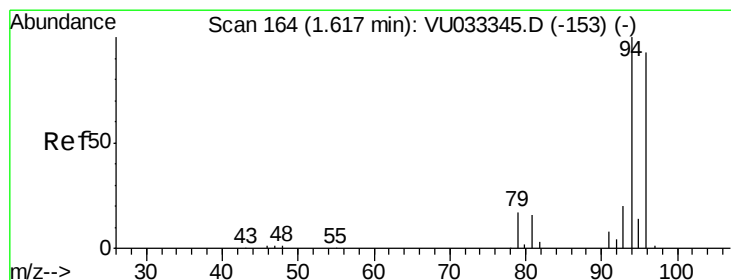
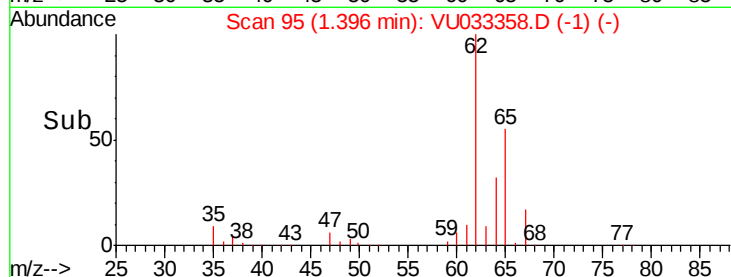
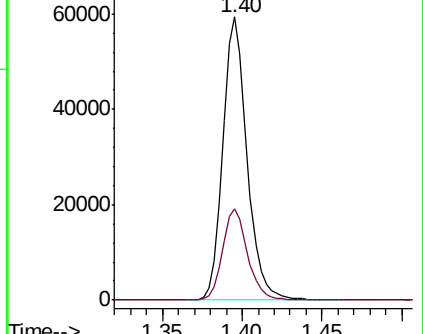
62 100

64 32.4 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.237 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033358.D

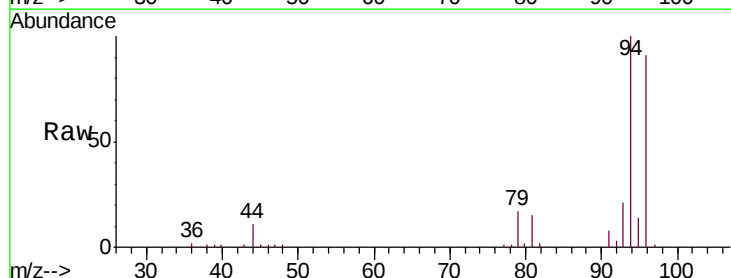
Acq: 20 Jul 2019 04:22

Tgt Ion: 94 Resp: 22999

Ion Ratio Lower Upper

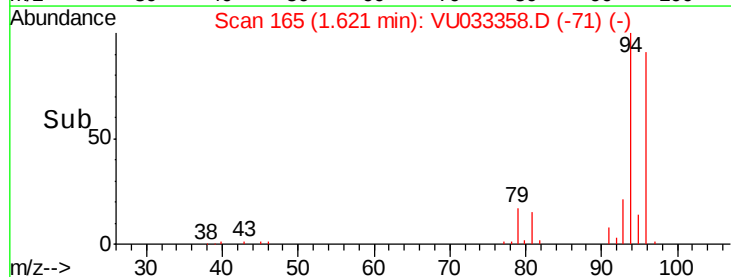
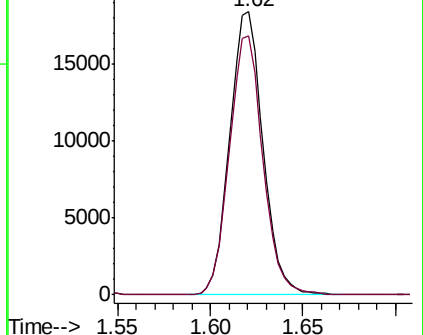
94 100

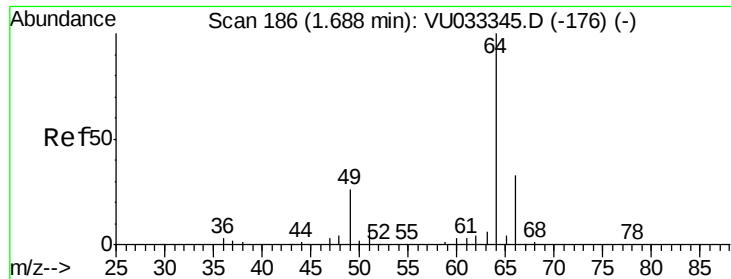
96 91.4 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

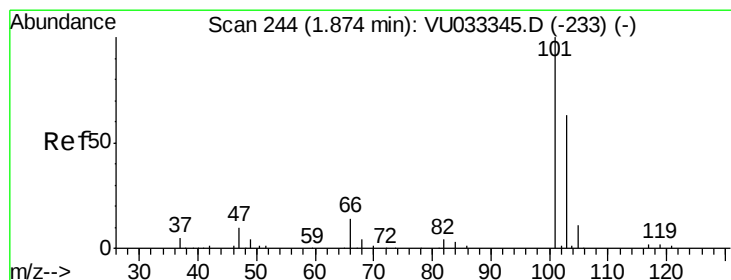
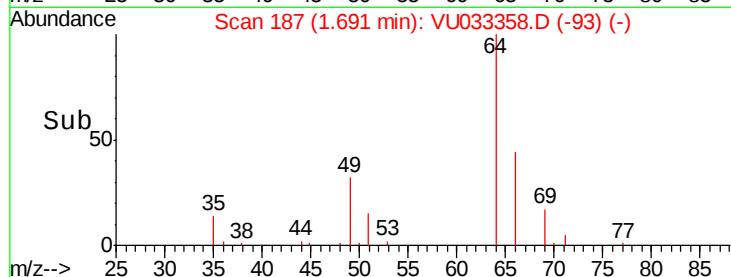
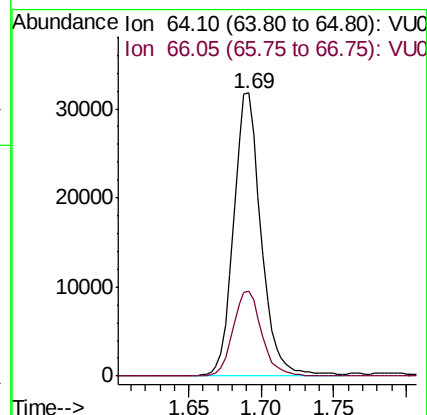
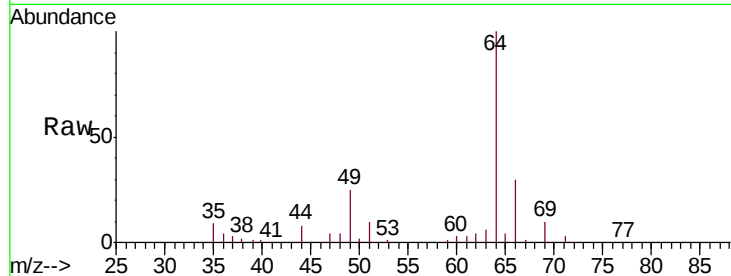




#8
Chloroethane
Concen: 5.834 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU033358.D
Acq: 20 Jul 2019 04:22

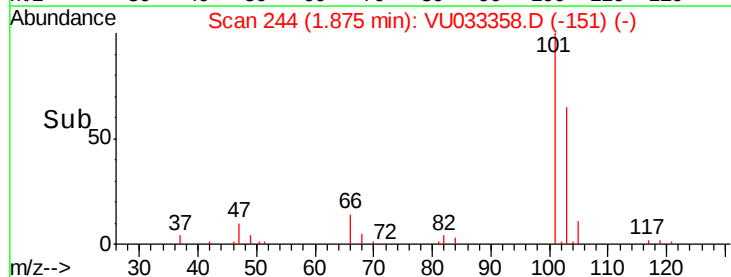
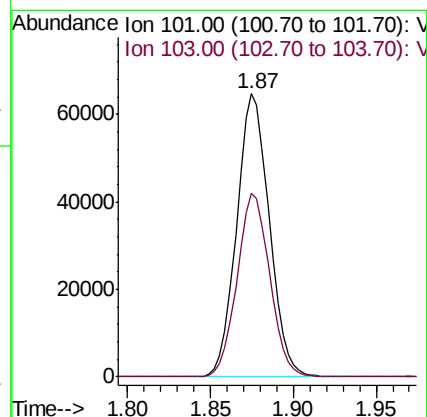
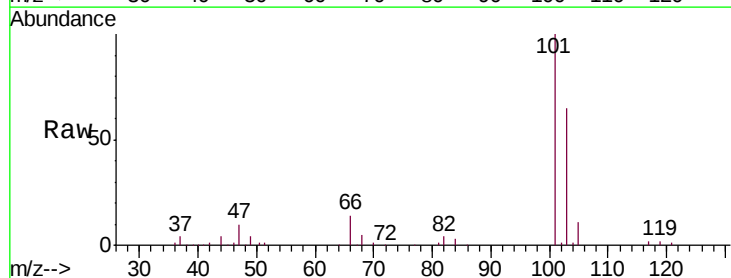
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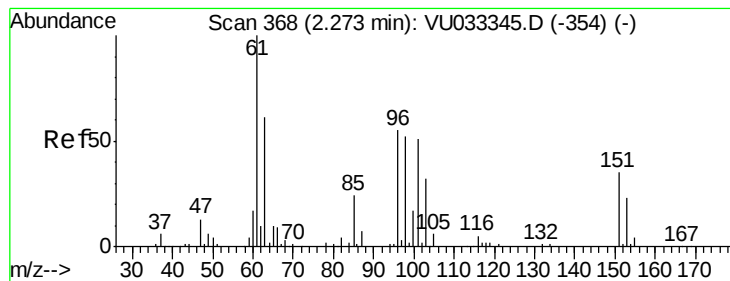
Tgt Ion: 64 Resp: 41839
Ion Ratio Lower Upper
64 100
66 30.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.519 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033358.D
Acq: 20 Jul 2019 04:22

Tgt Ion: 101 Resp: 88632
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.4





#10

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

Concen: 5.506 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

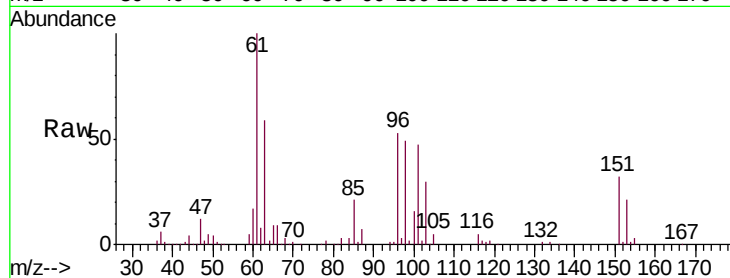
Tgt Ion: 101 Resp: 48835

Ion Ratio Lower Upper

101 100

85 44.6 37.4 56.0

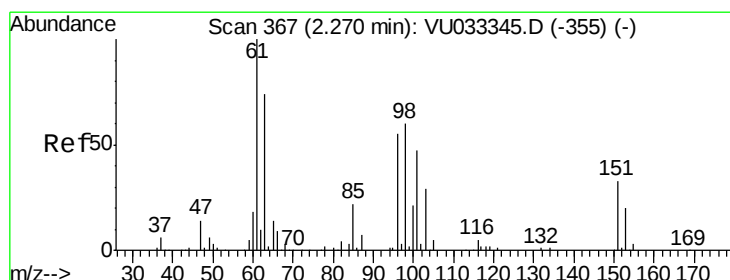
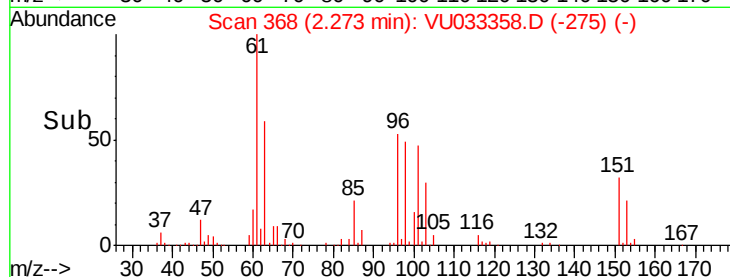
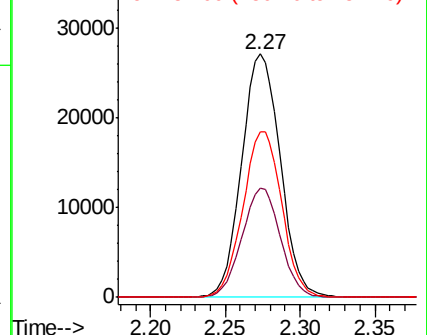
151 68.3 58.6 87.8



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: 5.499 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

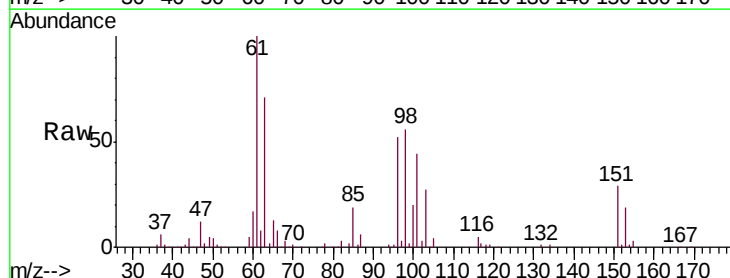
Tgt Ion: 96 Resp: 47021

Ion Ratio Lower Upper

96 100

61 193.4 129.3 240.1

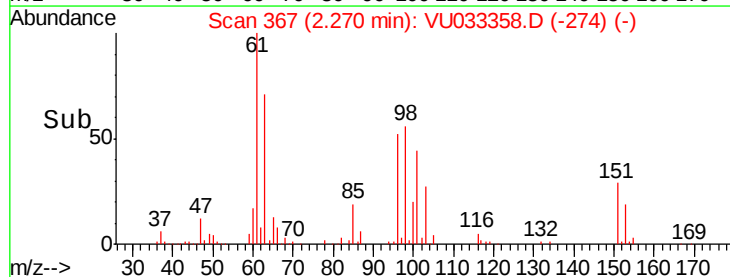
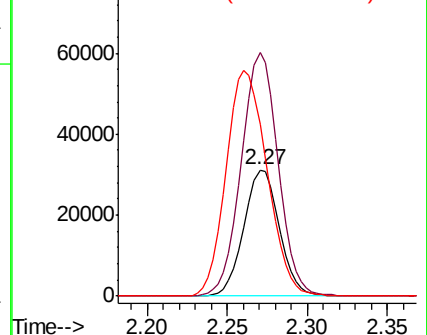
63 136.6 108.9 202.3

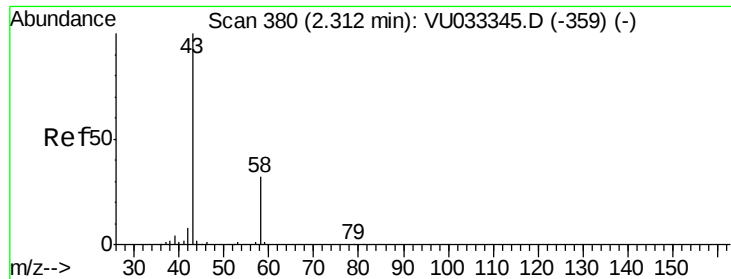


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 62.484 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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Acq: 20 Jul 2019 04:22

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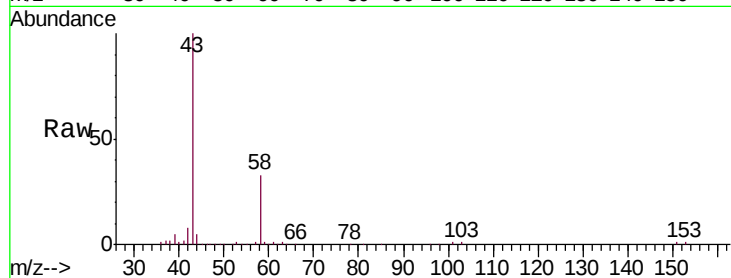
VSTD00518

Tgt Ion: 43 Resp: 108067

Ion Ratio Lower Upper

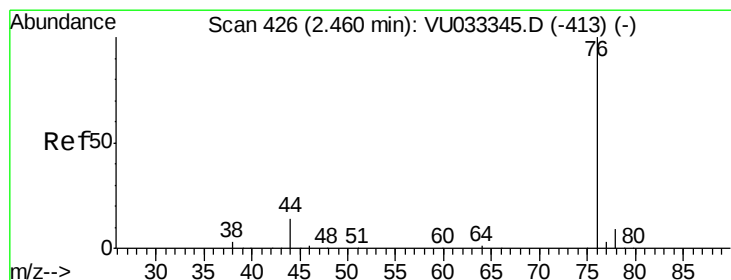
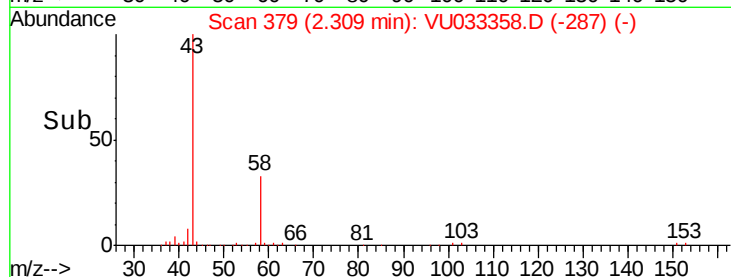
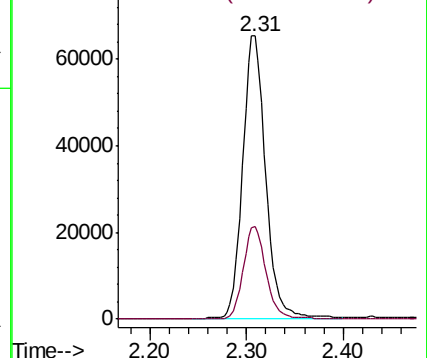
43 100

58 32.4 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033345.D (-359) (-)

Ion 58.05 (57.75 to 58.75): VU033345.D (-359) (-)



#14

Carbon disulfide

Concen: 5.406 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033358.D

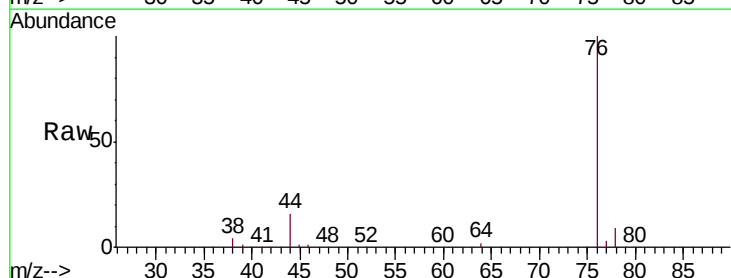
Acq: 20 Jul 2019 04:22

Tgt Ion: 76 Resp: 149685

Ion Ratio Lower Upper

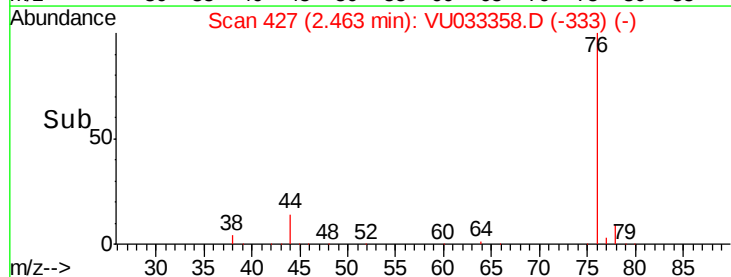
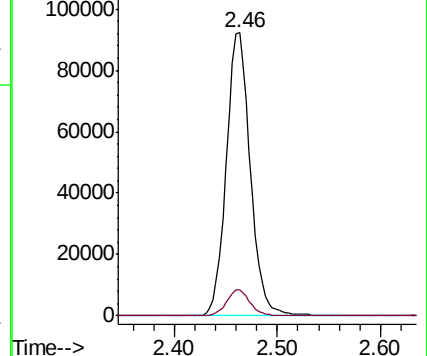
76 100

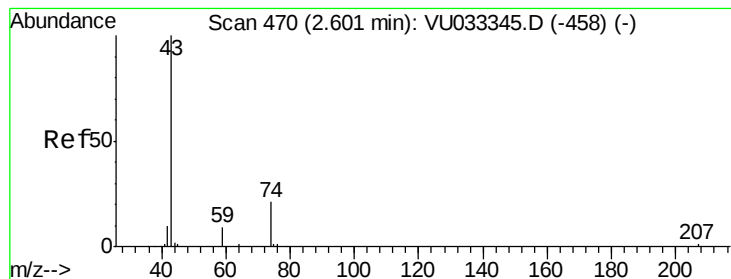
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU033345.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033345.D (-413) (-)





#15

Methyl Acetate

Concen: 6.665 ug/L

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

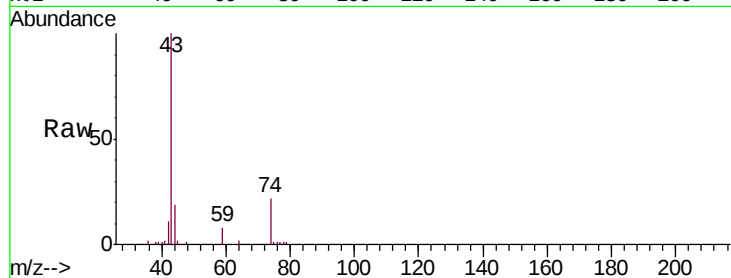
VSTD00518

Tgt Ion: 43 Resp: 28789

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU033345.D (-458) (-)

Ion 74.05 (73.75 to 74.75): VU033345.D (-458) (-)

20000

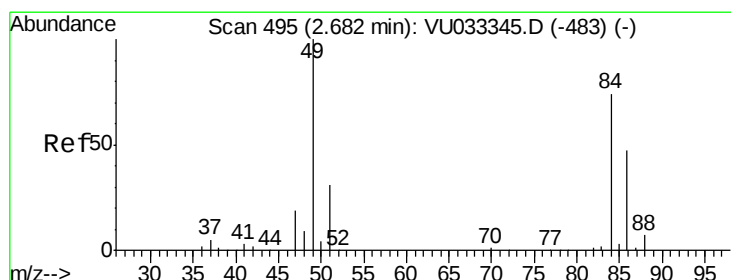
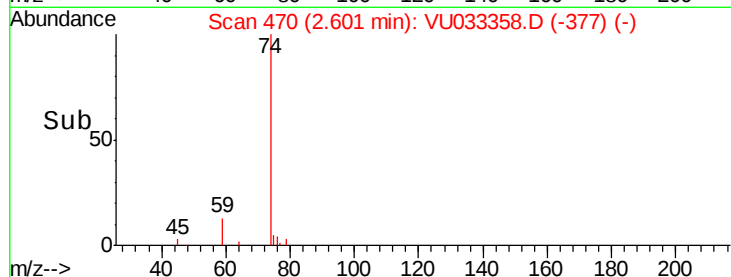
15000

10000

5000

0

Time--> 2.50 2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 5.557 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

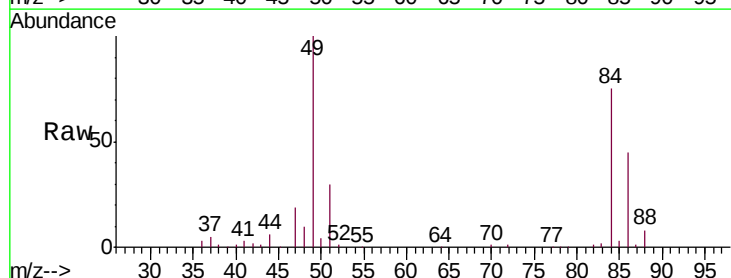
Tgt Ion: 84 Resp: 57937

Ion Ratio Lower Upper

84 100

86 59.6 42.5 78.9

49 133.4 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU033345.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU033345.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU033345.D (-483) (-)

60000

50000

40000

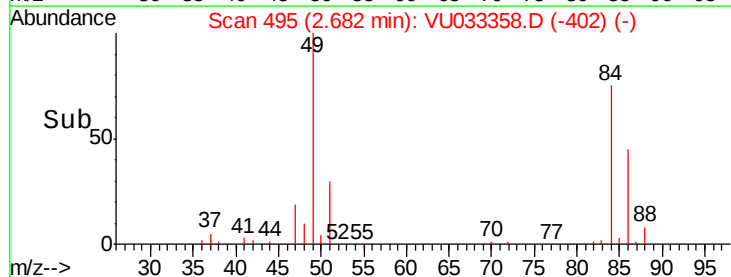
30000

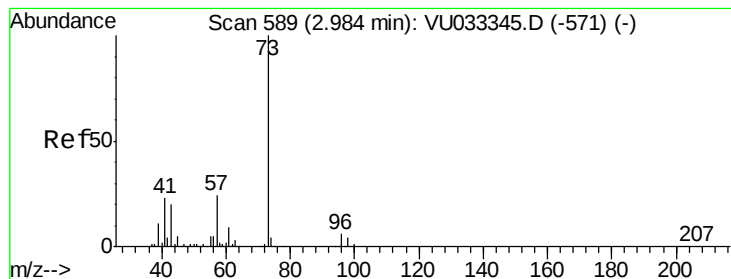
20000

10000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#17

Methyl tert-butyl Ether

Concen: 6.347 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

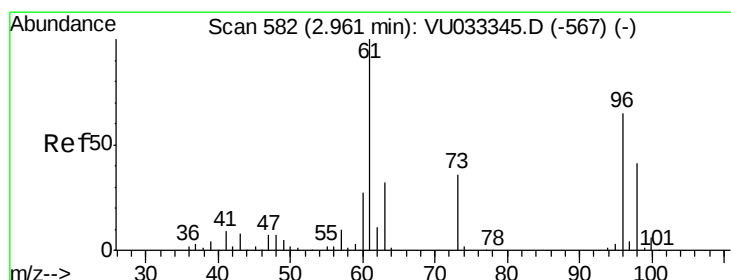
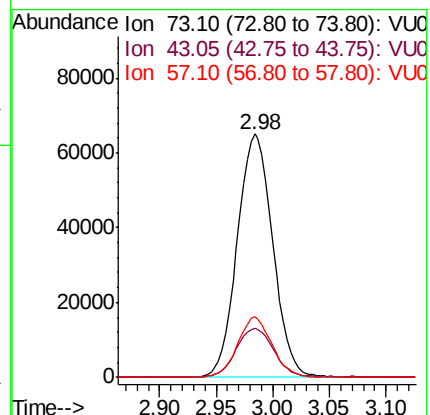
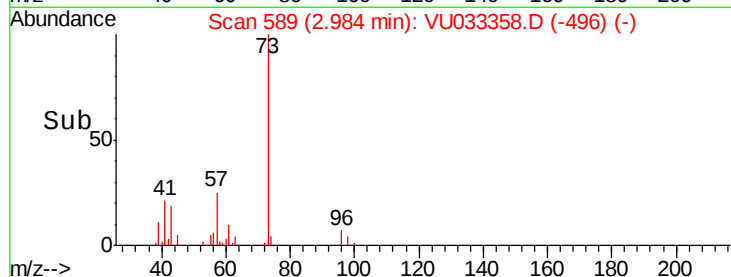
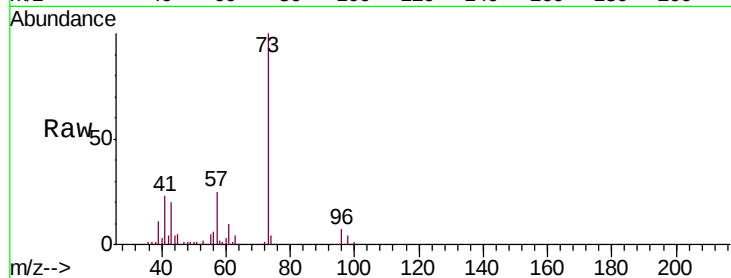
Tgt Ion: 73 Resp: 142157

Ion Ratio Lower Upper

73 100

43 20.8 16.3 24.5

57 24.1 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 5.528 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

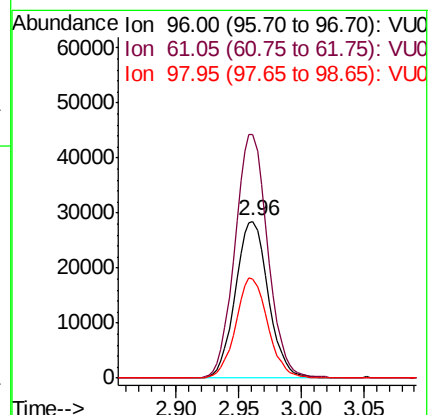
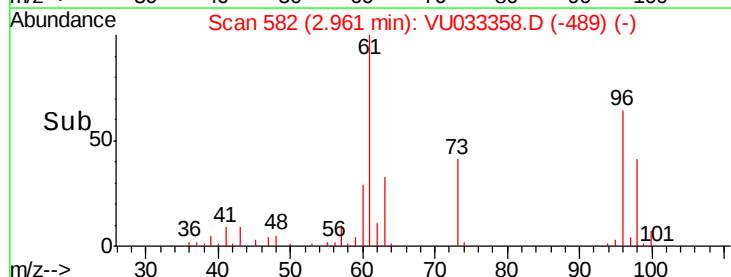
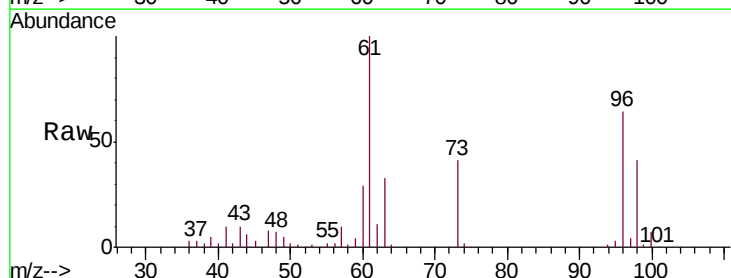
Tgt Ion: 96 Resp: 52215

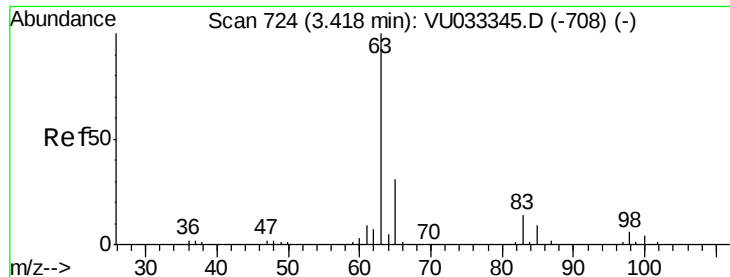
Ion Ratio Lower Upper

96 100

61 155.4 107.1 198.9

98 63.0 45.4 84.4

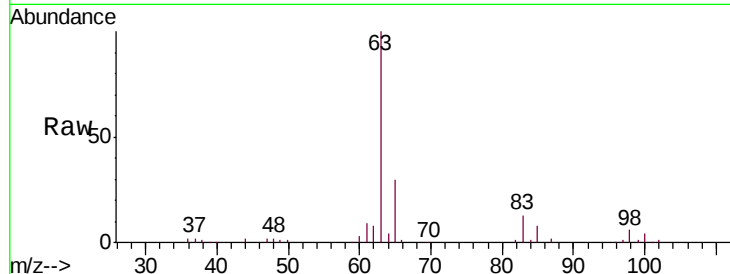




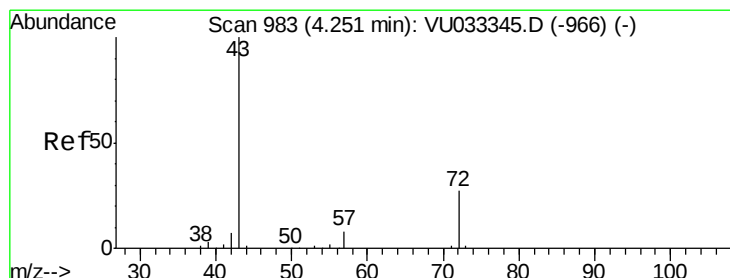
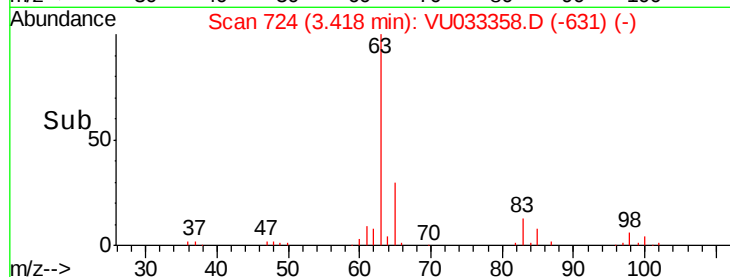
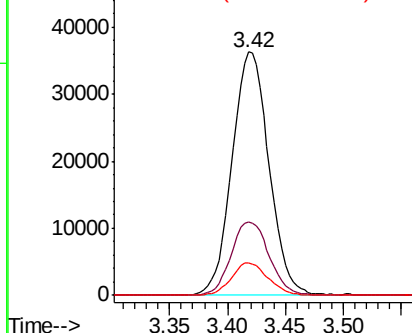
#19
 1,1-Dichloroethane
 Concen: 5.645 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion: 63 Resp: 80118
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.7 40.3
 83 13.2 9.0 16.8

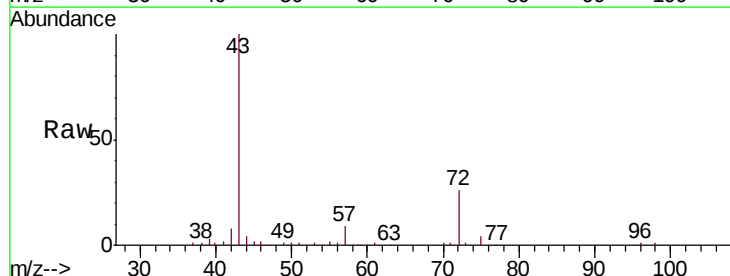


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

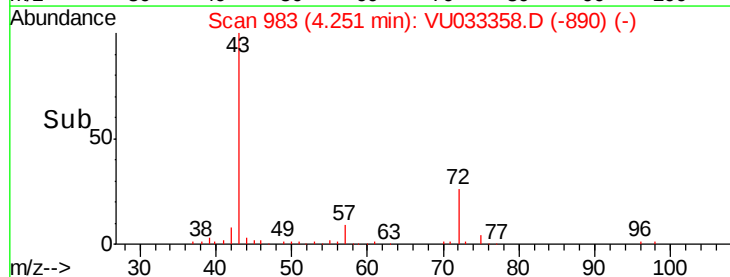
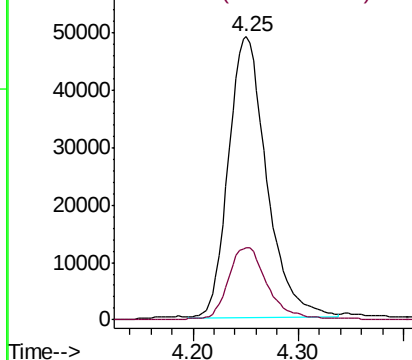


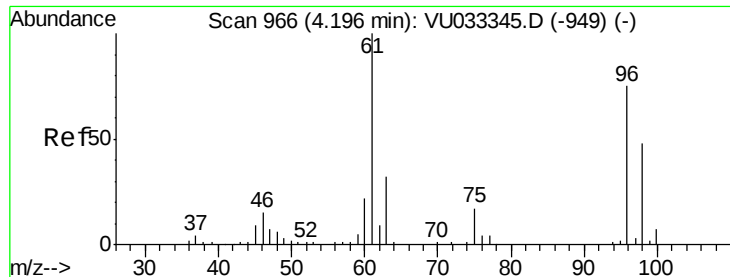
#21
 2-Butanone
 Concen: 61.878 ug/L
 RT: 4.25 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Tgt Ion: 43 Resp: 122996
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



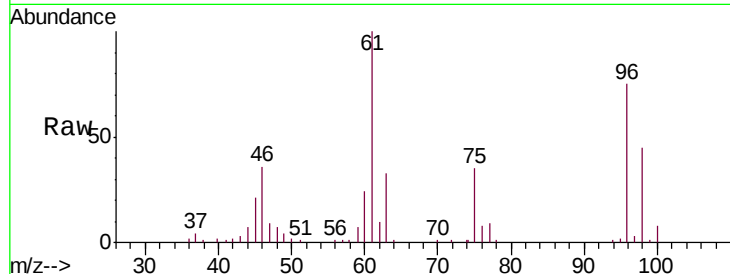


#22

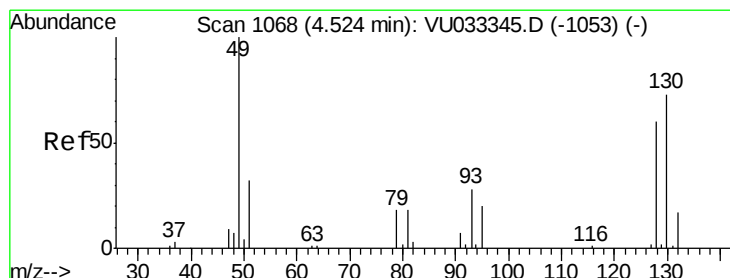
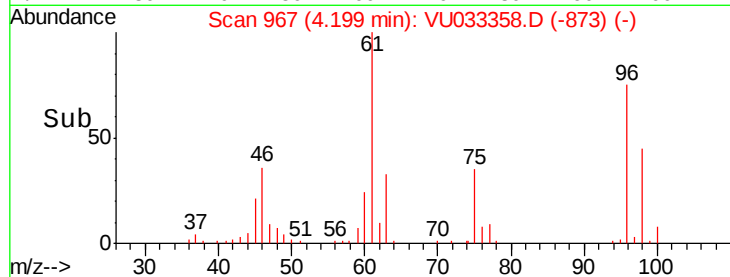
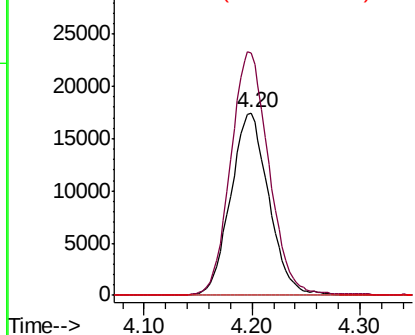
cis-1,2-Dichloroethene
 Concen: 5.392 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion: 96 Resp: 43049
 Ion Ratio Lower Upper
 96 100
 61 132.9 89.2 165.6
 68 0.0 0.0 0.0



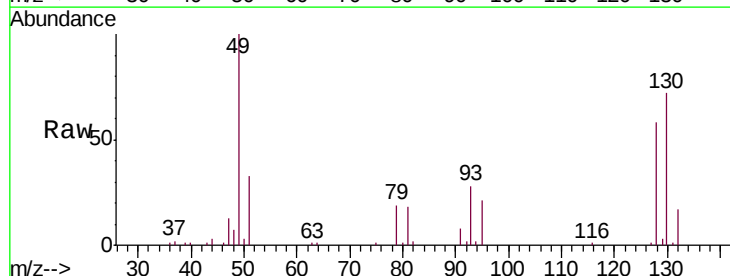
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



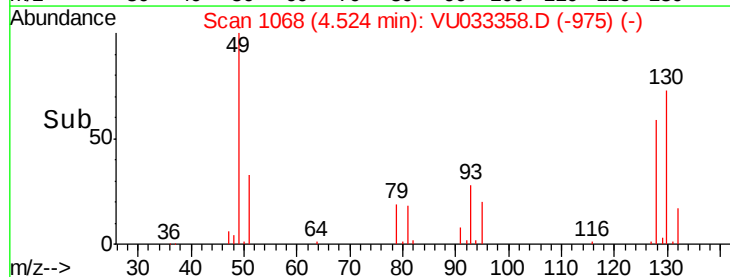
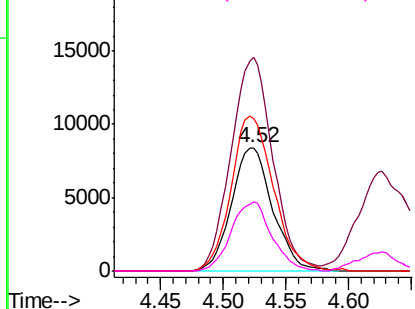
#23

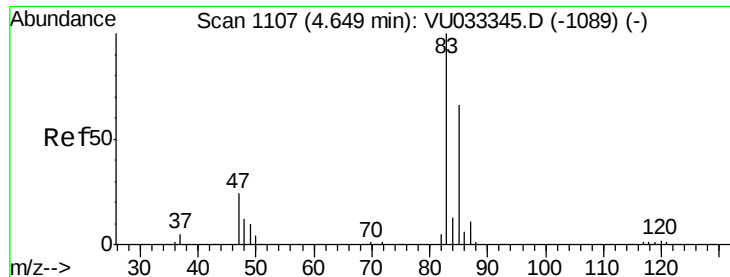
Bromochloromethane
 Concen: 5.478 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Tgt Ion: 128 Resp: 19262
 Ion Ratio Lower Upper
 128 100
 49 173.1 110.5 205.3
 130 124.0 88.6 164.6
 51 56.3 43.2 64.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

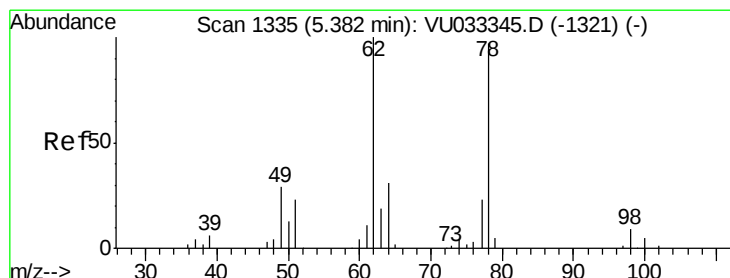
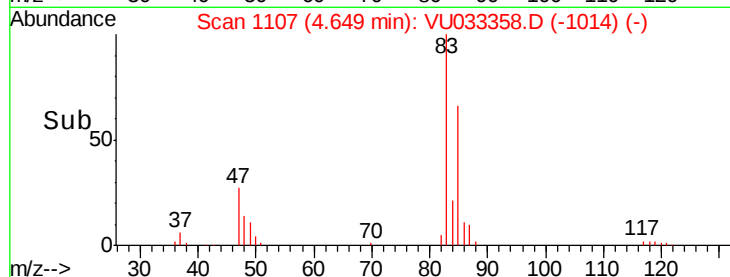
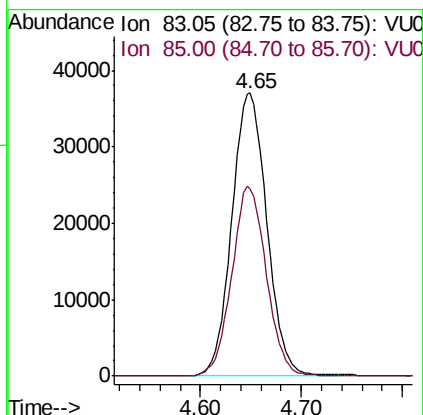
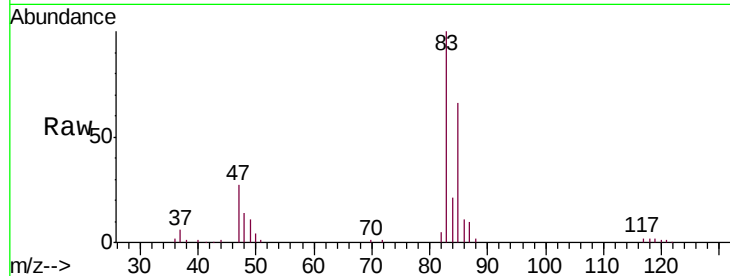




#25
Chloroform
Concen: 5.679 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033358.D
Acq: 20 Jul 2019 04:22

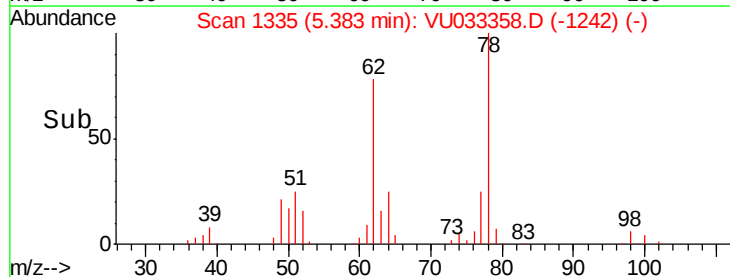
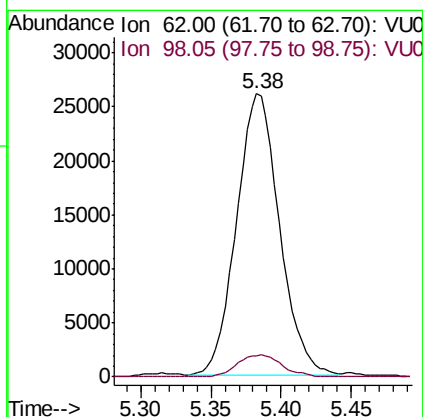
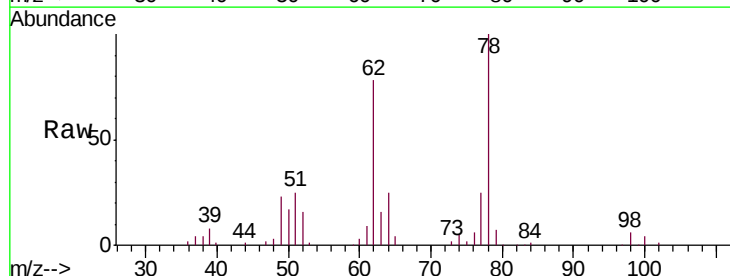
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

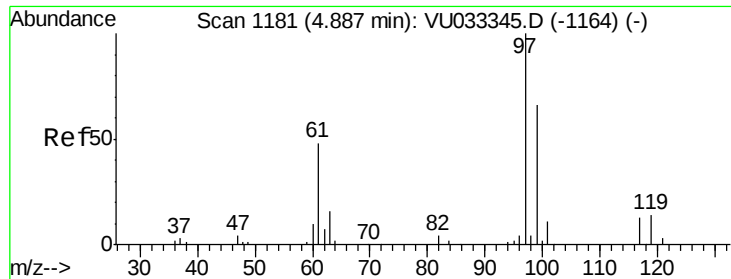
Tgt Ion: 83 Resp: 89290
Ion Ratio Lower Upper
83 100
85 66.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.932 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033358.D
Acq: 20 Jul 2019 04:22

Tgt Ion: 62 Resp: 55473
Ion Ratio Lower Upper
62 100
98 7.6 6.6 10.0

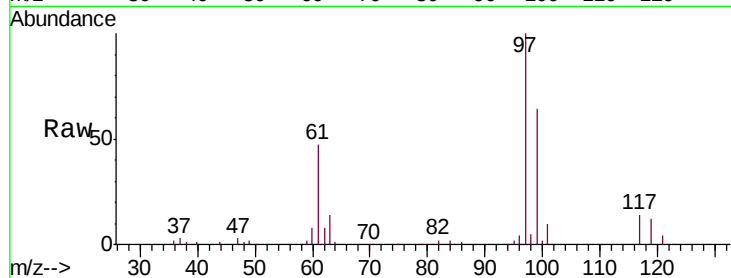




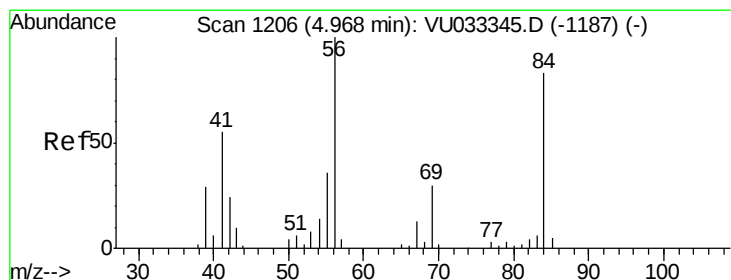
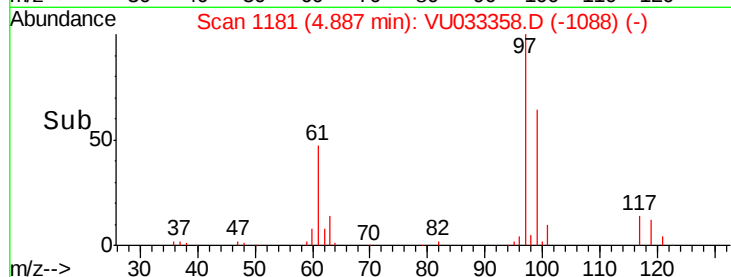
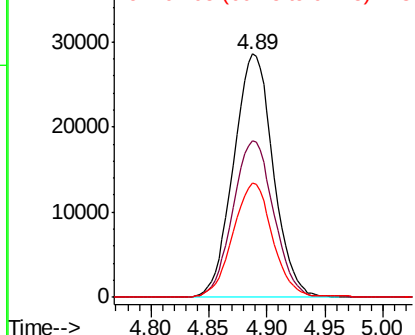
#29
 1,1,1-Trichloroethane
 Concen: 5.361 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion: 97 Resp: 67935
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.6 77.4
 61 46.9 36.2 54.4

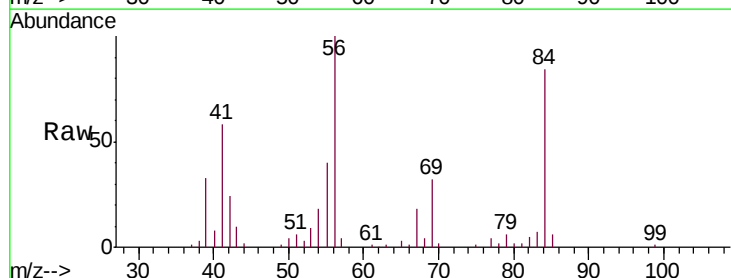


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

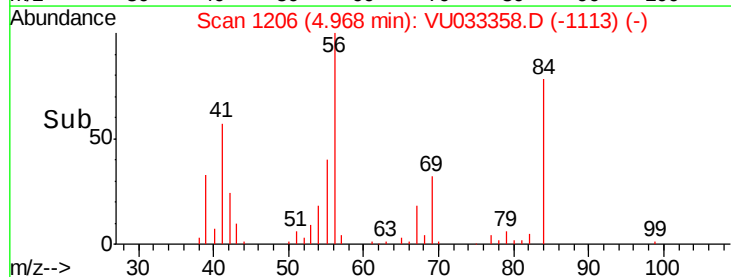
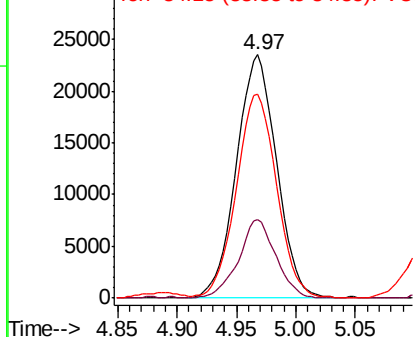


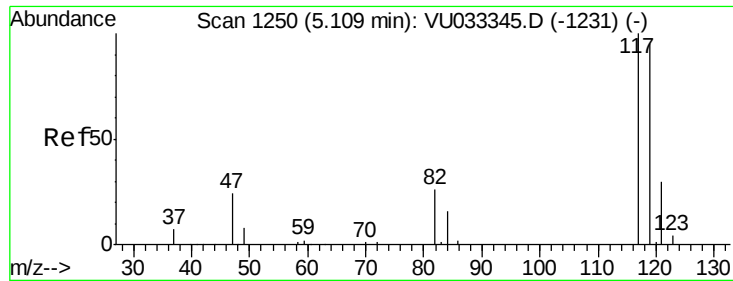
#30
 Cyclohexane
 Concen: 4.835 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Tgt Ion: 56 Resp: 55019
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.9 35.9
 84 84.1 69.5 104.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.231 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

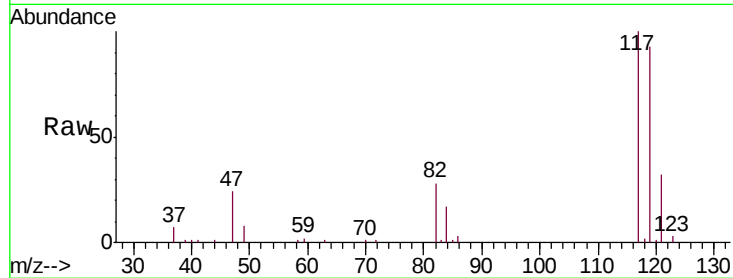
VSTD00518

Tgt Ion:117 Resp: 58032

Ion Ratio Lower Upper

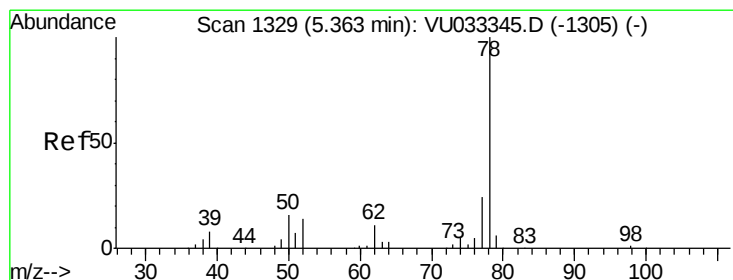
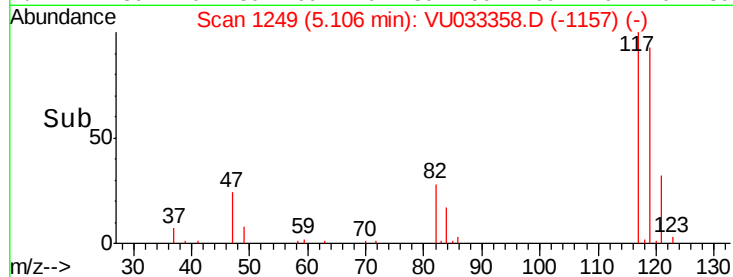
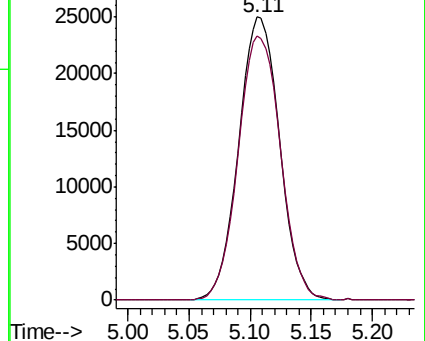
117 100

119 96.5 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.391 ug/L

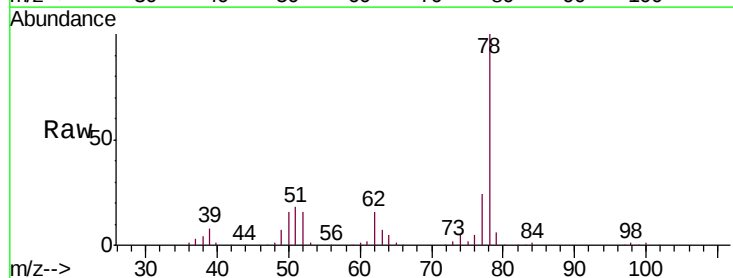
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

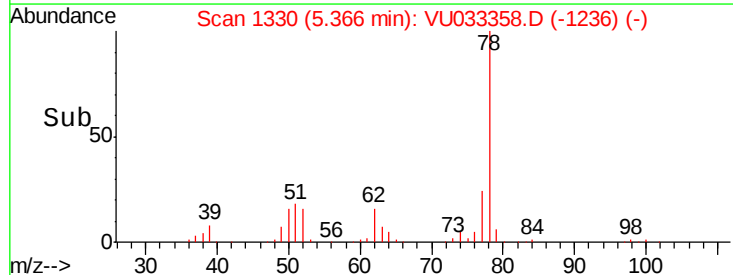
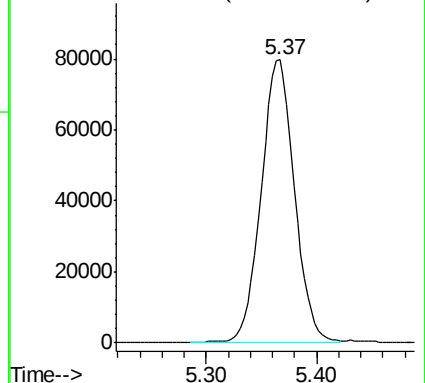
Lab File: VU033358.D

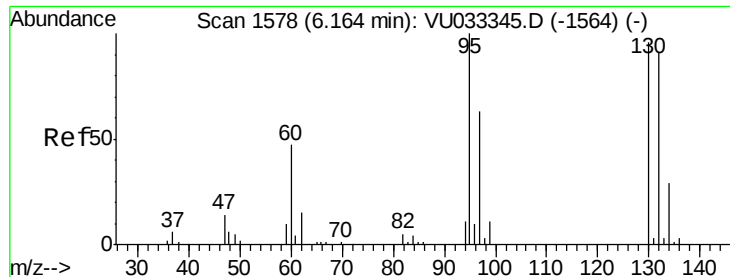
Acq: 20 Jul 2019 04:22

Tgt Ion: 78 Resp: 167500



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.149 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

Tgt Ion: 95 Resp: 42332

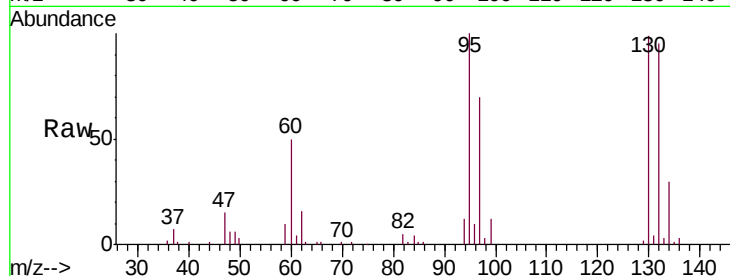
Ion Ratio Lower Upper

95 100

97 69.8 44.5 82.7

132 95.3 66.6 123.8

130 98.8 68.9 127.9

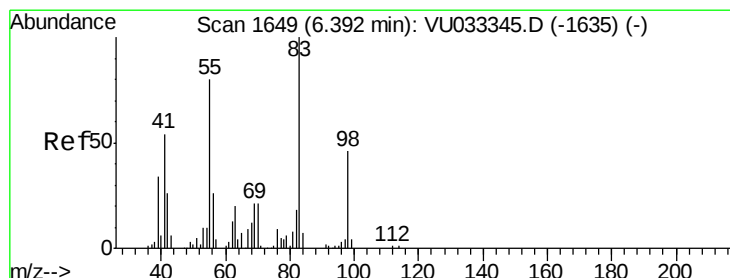
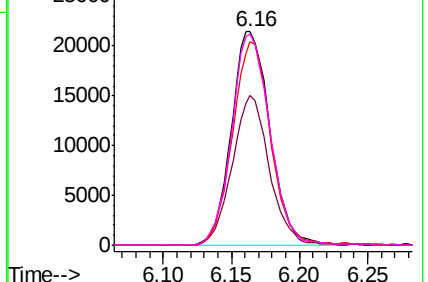
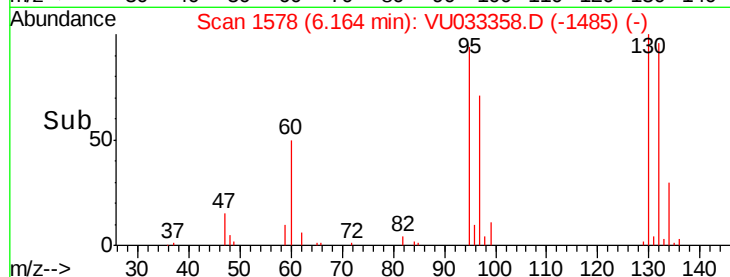


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.618 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

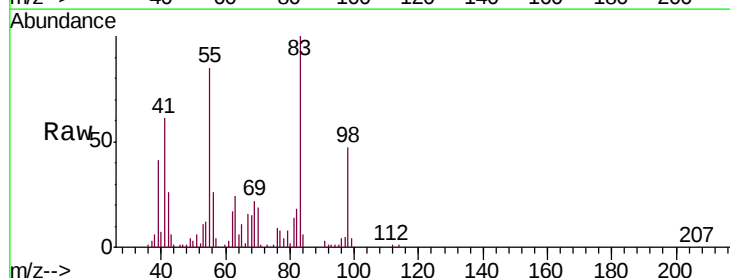
Tgt Ion: 83 Resp: 57210

Ion Ratio Lower Upper

83 100

55 83.9 62.6 94.0

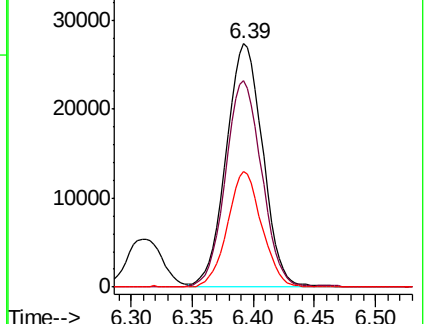
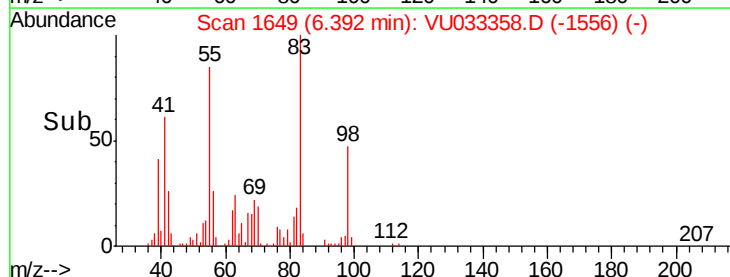
98 44.2 36.2 54.2

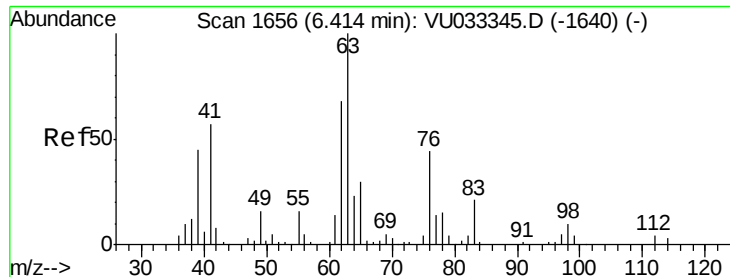


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.761 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

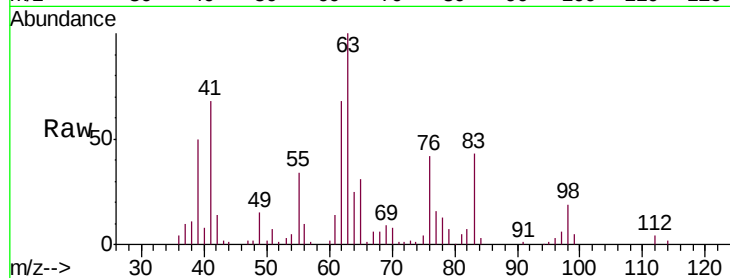
VSTD00518

Tgt Ion: 63 Resp: 48402

Ion Ratio Lower Upper

63 100

112 3.8 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU033345.D (-1640) (-)

Ion 112.10 (111.80 to 112.80): VU033345.D (-1640) (-)

6.41

25000

20000

15000

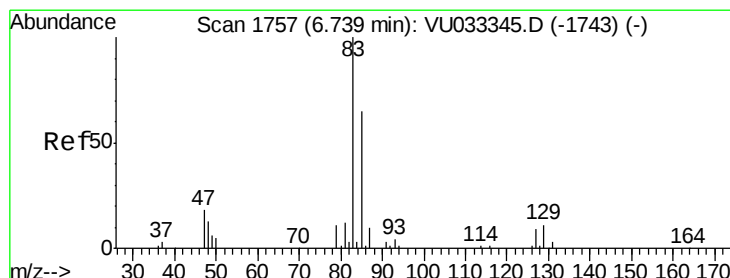
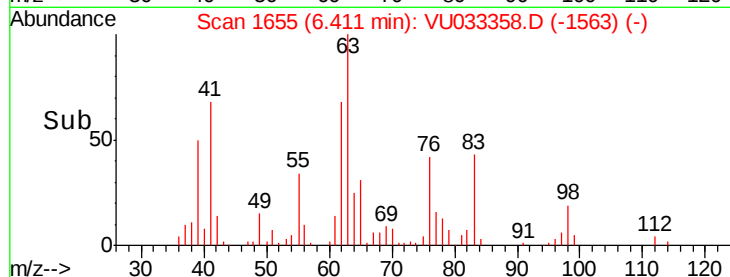
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 5.478 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

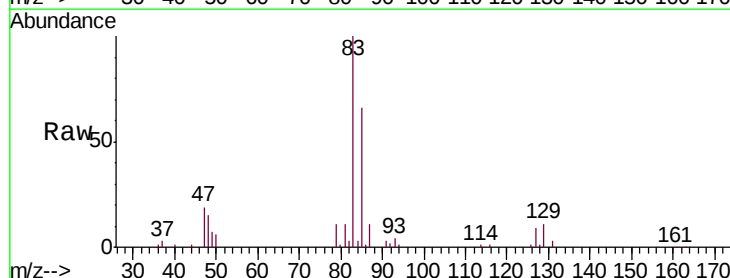
Tgt Ion: 83 Resp: 58716

Ion Ratio Lower Upper

83 100

85 65.5 44.0 81.8

127 8.9 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU033345.D (-1743) (-)

Ion 85.00 (84.70 to 85.70): VU033345.D (-1743) (-)

Ion 126.90 (126.60 to 127.60): VU033345.D (-1743) (-)

6.74

40000

30000

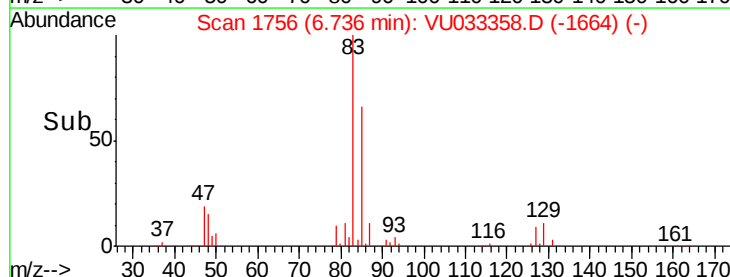
20000

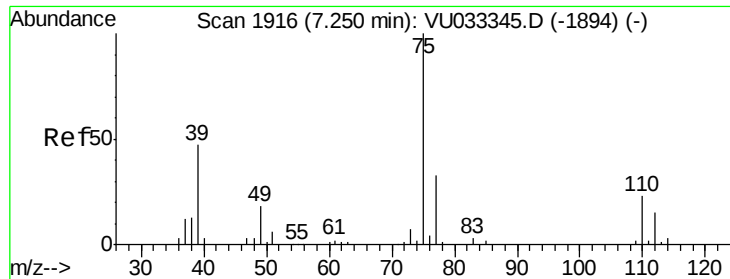
10000

0

6.65 6.70 6.75 6.80 6.85

Time-->

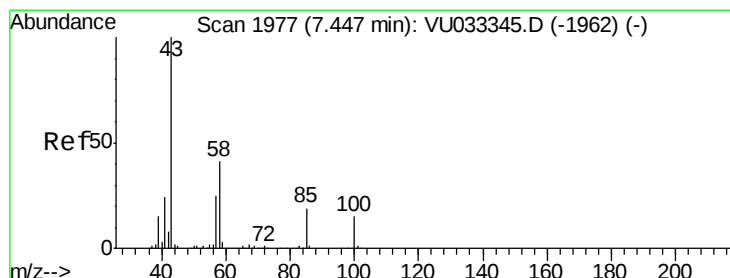
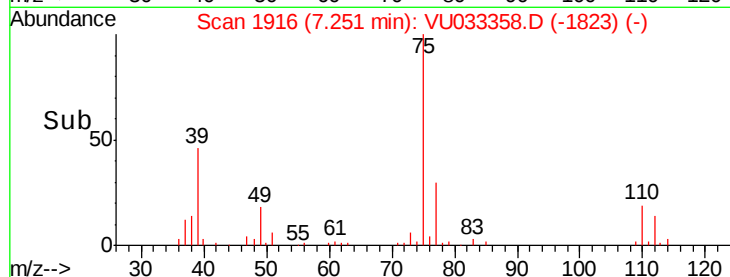
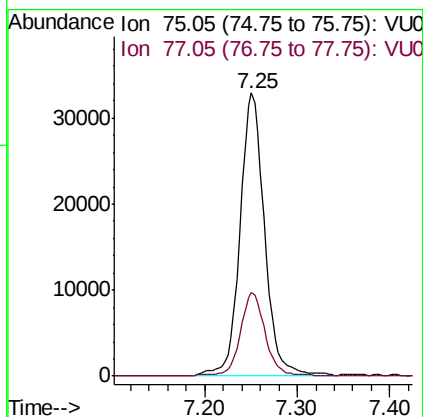
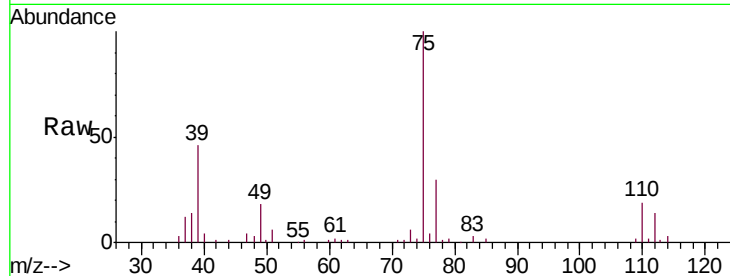




#39
 cis-1,3-Dichloropropene
 Concen: 5.068 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

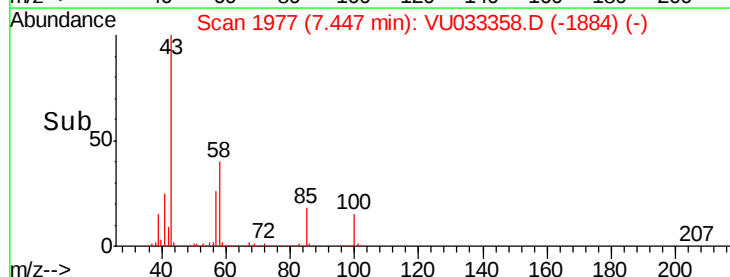
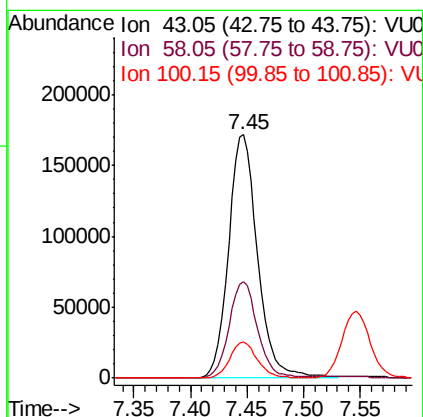
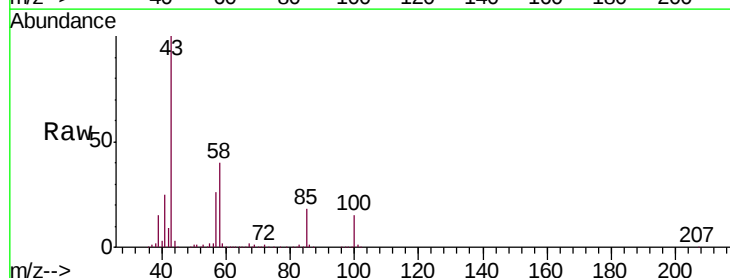
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

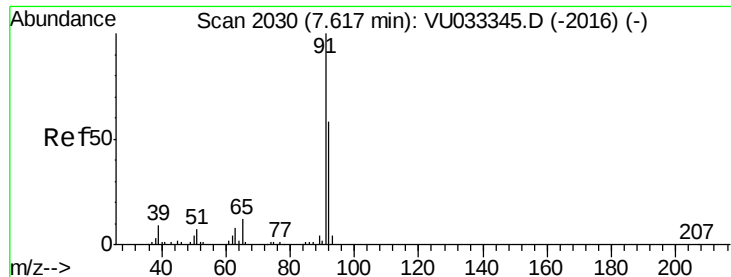
Tgt Ion: 75 Resp: 60740
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 63.790 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Tgt Ion: 43 Resp: 307099
 Ion Ratio Lower Upper
 43 100
 58 39.1 32.4 48.6
 100 14.1 11.9 17.9





#42

Toluene

Concen: 5.590 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

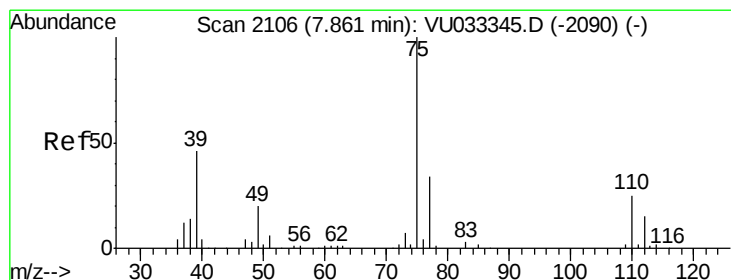
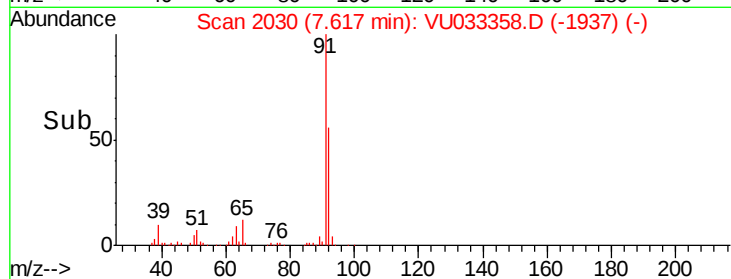
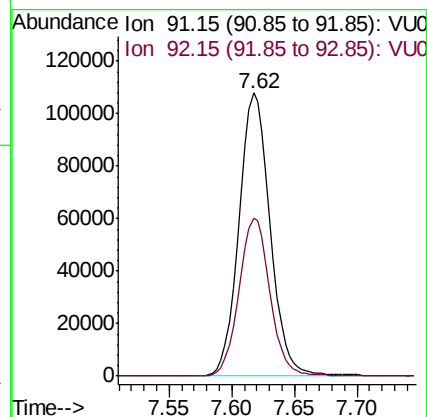
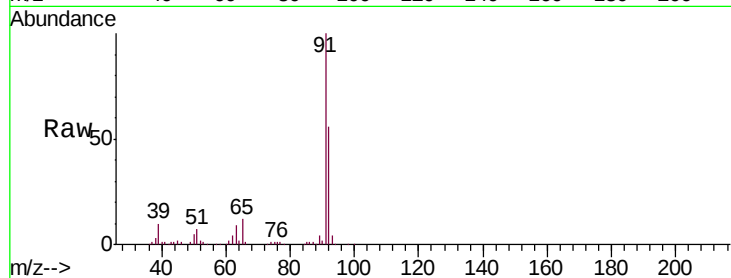
VSTD00518

Tgt Ion: 91 Resp: 186447

Ion Ratio Lower Upper

91 100

92 55.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.267 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033358.D

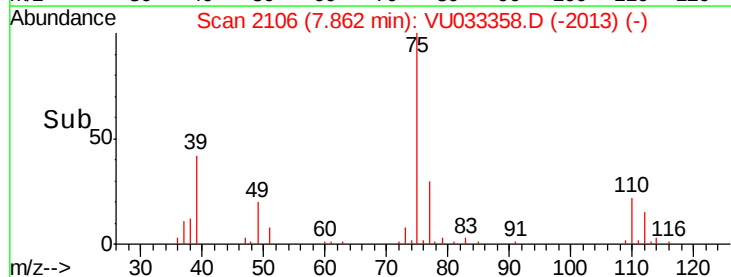
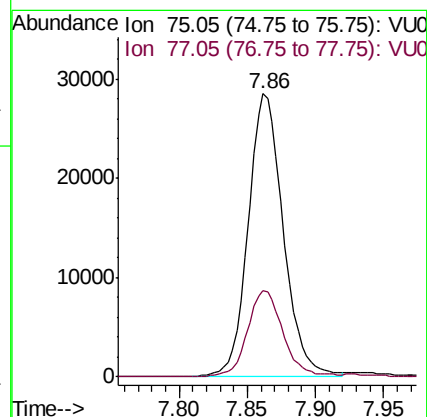
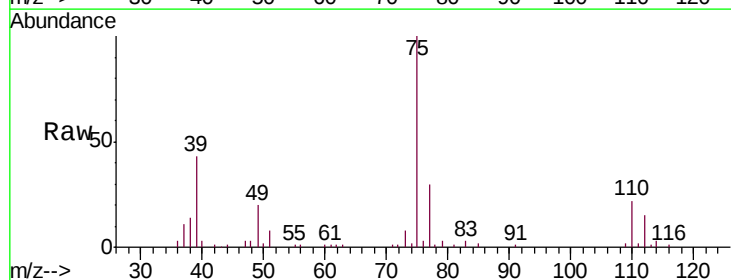
Acq: 20 Jul 2019 04:22

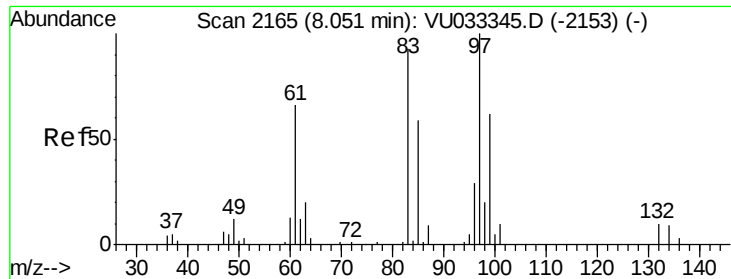
Tgt Ion: 75 Resp: 51047

Ion Ratio Lower Upper

75 100

77 30.4 21.6 40.0

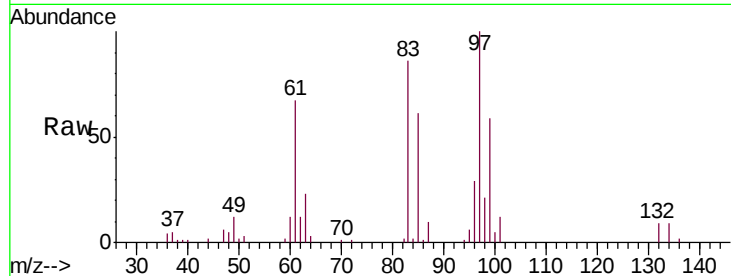




#45
 1,1,2-Trichloroethane
 Concen: 5.754 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion:	97	Resp:	34568
Ion	Ratio	Lower	Upper
97	100		
99	58.6	42.3	78.5
83	86.0	58.0	107.6
85	60.6	37.8	70.2



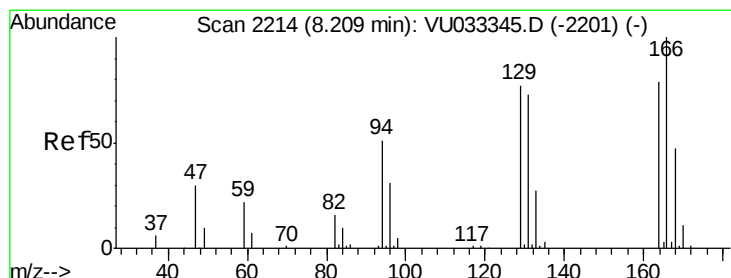
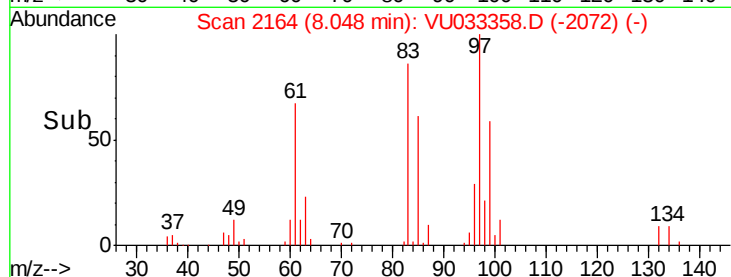
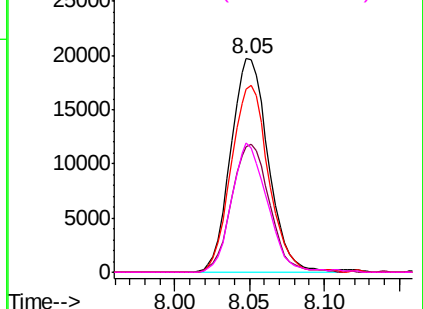
Abundance

Ion 96.95 (96.65 to 97.65): VU033358.D (-2072) (-)

Ion 99.05 (98.75 to 99.75): VU033358.D (-2072) (-)

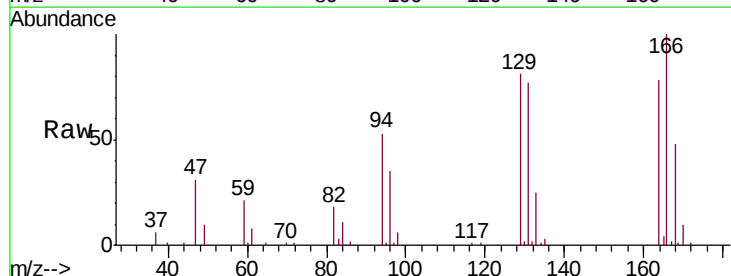
Ion 82.95 (82.65 to 83.65): VU033358.D (-2072) (-)

Ion 85.00 (84.70 to 85.70): VU033358.D (-2072) (-)



#47
 Tetrachloroethene
 Concen: 4.852 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Tgt Ion:	164	Resp:	31964
Ion	Ratio	Lower	Upper
164	100		
129	104.4	68.5	127.1
131	99.1	67.3	124.9
166	128.9	93.1	172.9



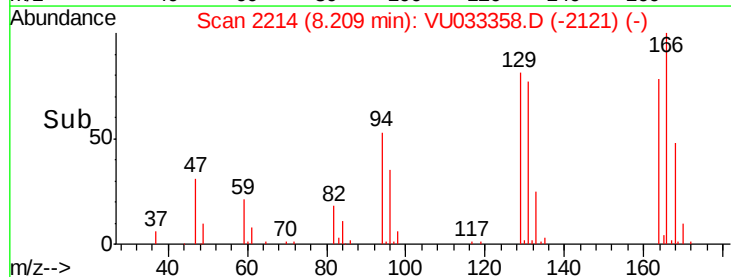
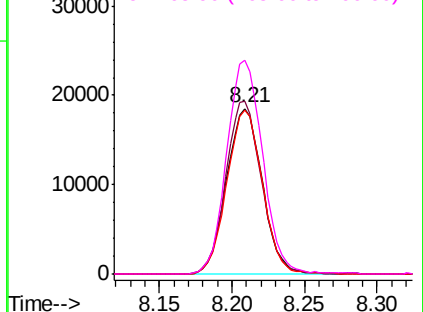
Abundance

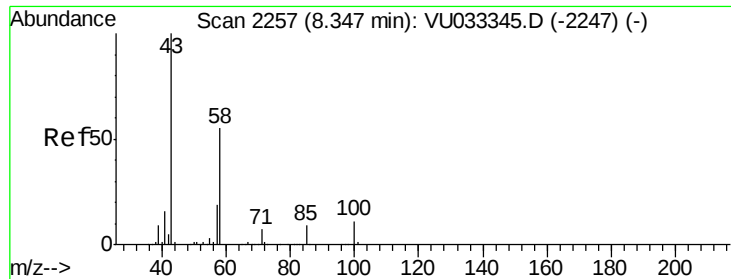
Ion 163.90 (163.60 to 164.60): VU033358.D (-2121) (-)

Ion 128.95 (128.65 to 129.65): VU033358.D (-2121) (-)

Ion 130.95 (130.65 to 131.65): VU033358.D (-2121) (-)

Ion 165.90 (165.60 to 166.60): VU033358.D (-2121) (-)

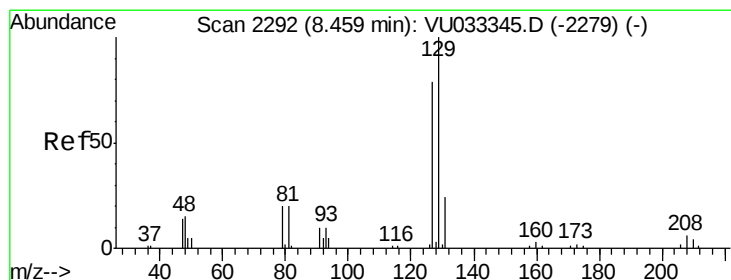
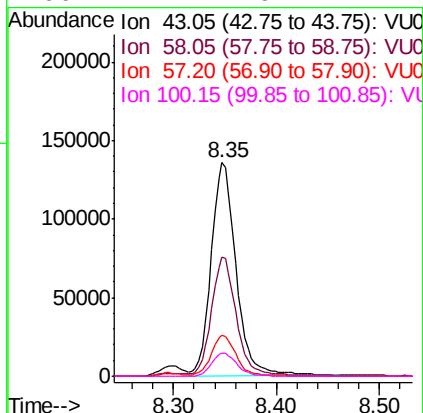
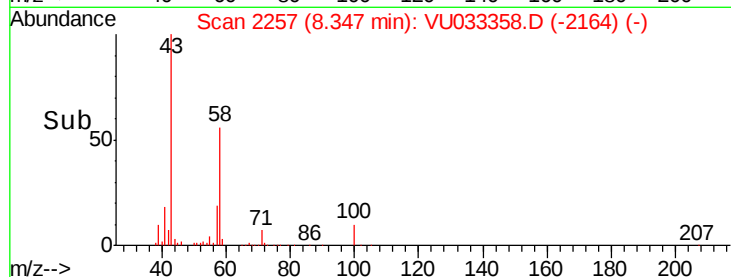
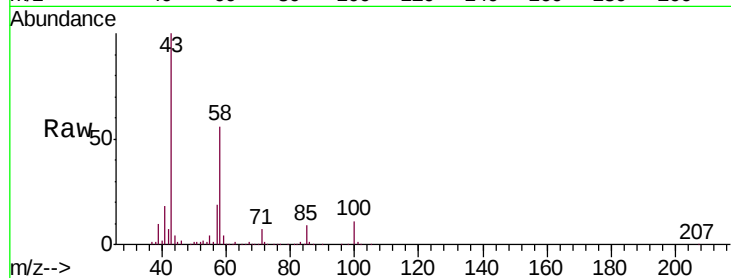




#48
2-Hexanone
Concen: 64.473 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033358.D
Acq: 20 Jul 2019 04:22

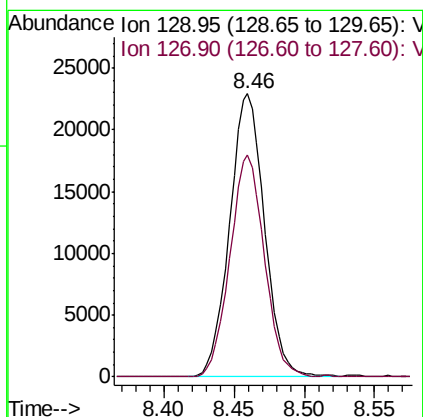
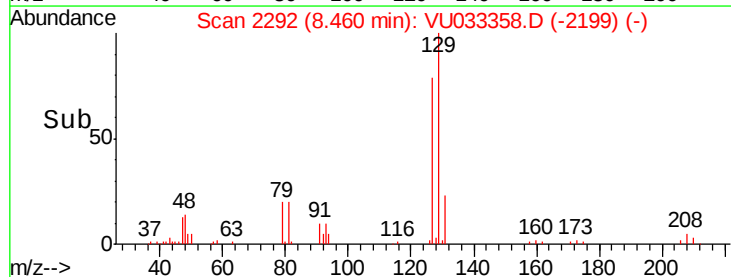
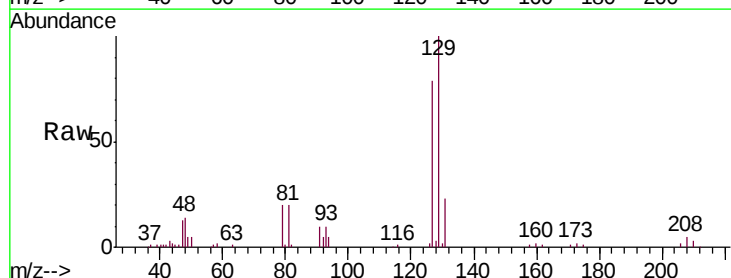
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

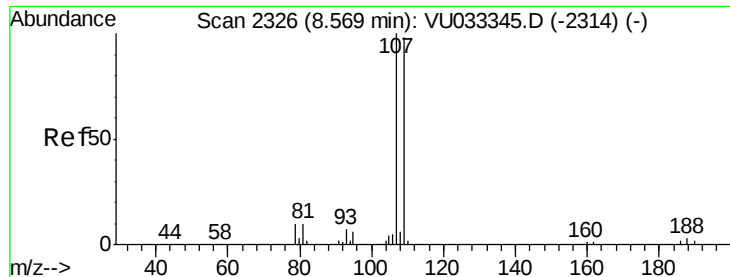
Tgt Ion: 43 Resp: 227023
Ion Ratio Lower Upper
43 100
58 55.4 44.1 66.1
57 19.0 15.8 23.8
100 11.2 9.4 14.2



#49
Dibromochloromethane
Concen: 5.481 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033358.D
Acq: 20 Jul 2019 04:22

Tgt Ion: 129 Resp: 39657
Ion Ratio Lower Upper
129 100
127 78.6 51.9 96.5

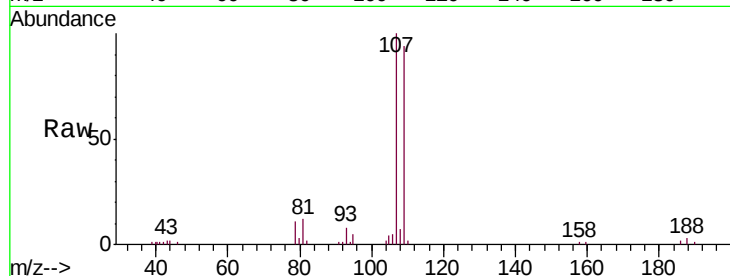




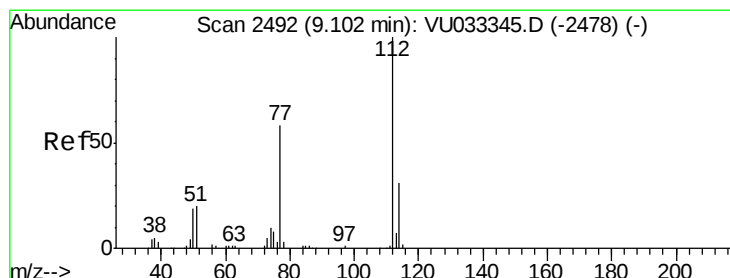
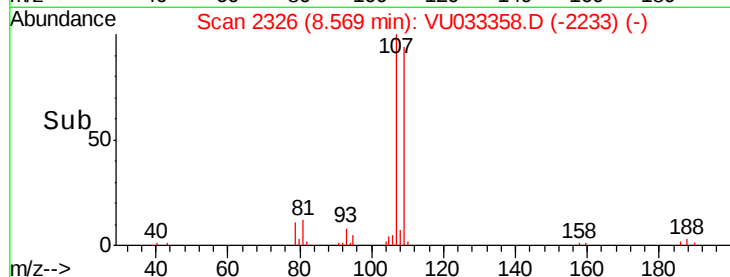
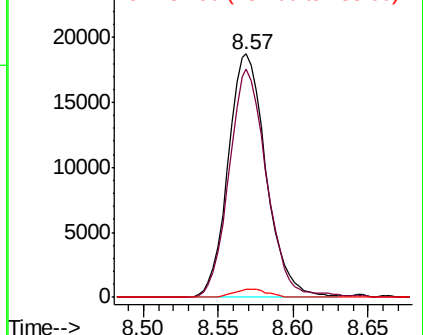
#50
1,2-Dibromoethane
Concen: 5.742 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033358.D
Acq: 20 Jul 2019 04:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	64.8	120.4
188	3.3	3.0	4.6

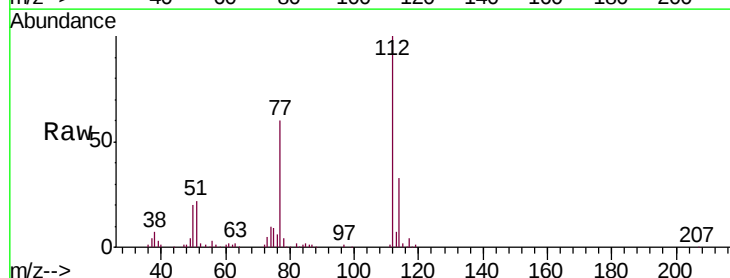


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

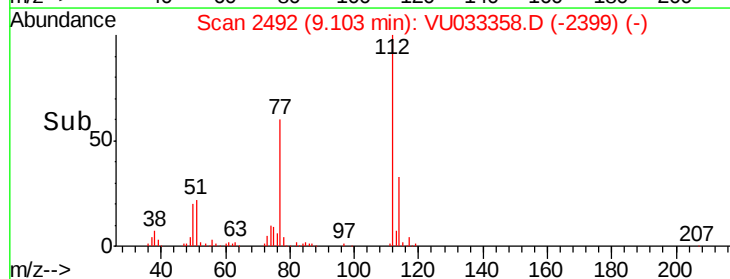
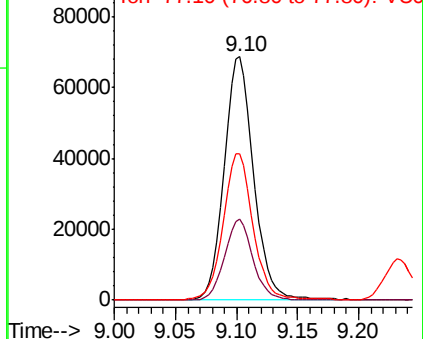


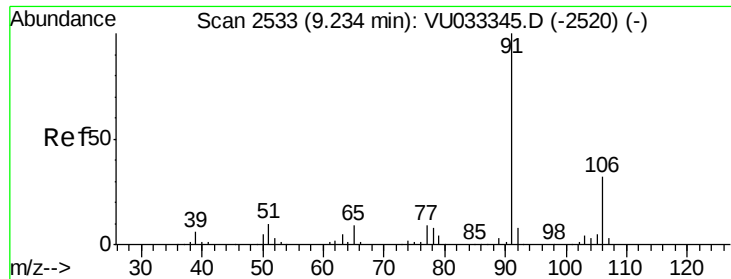
#51
Chlorobenzene
Concen: 5.333 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033358.D
Acq: 20 Jul 2019 04:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.1	41.1
77	60.2	46.9	70.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.291 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

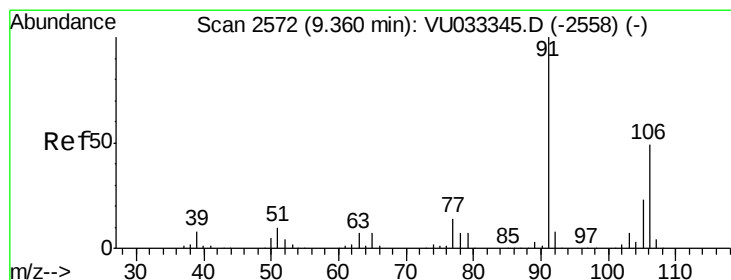
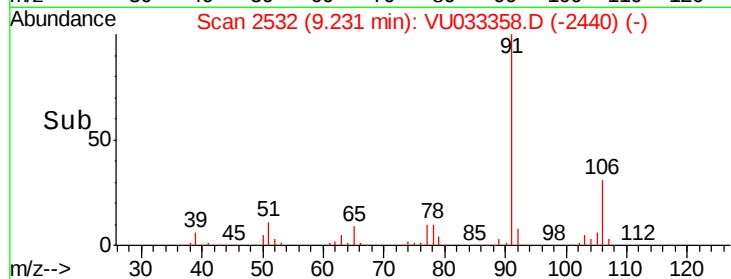
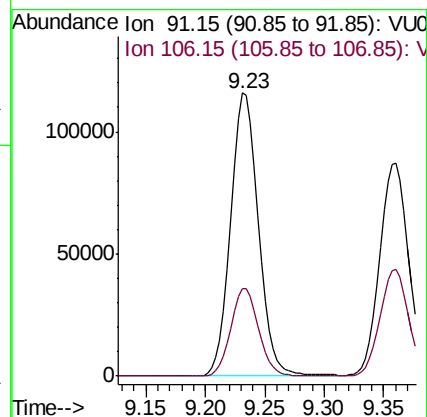
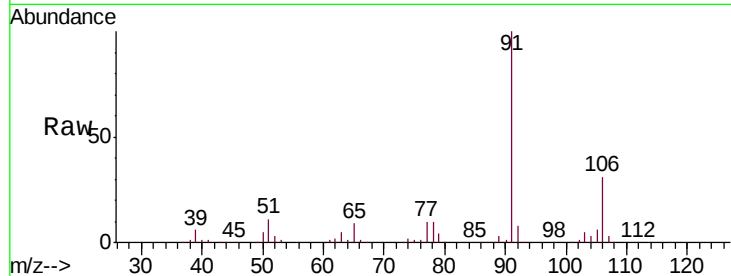
VSTD00518

Tgt Ion: 91 Resp: 188402

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



#53

m,p-Xylene

Concen: 5.435 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033358.D

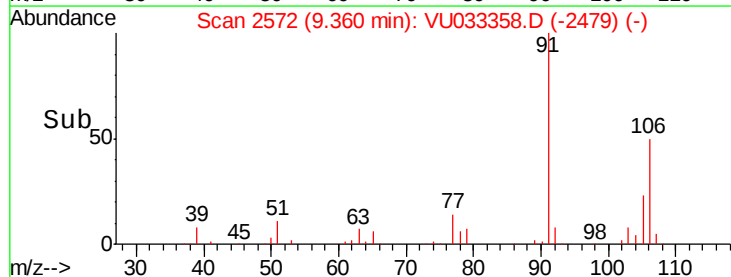
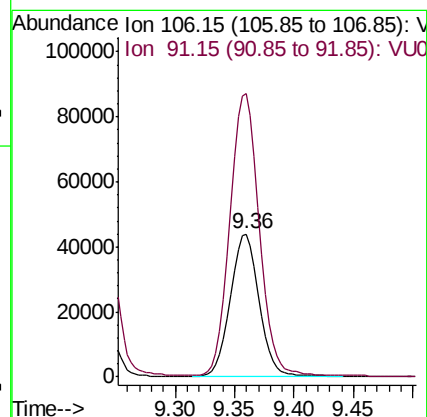
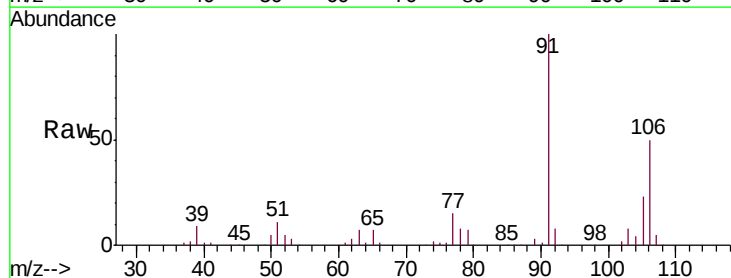
Acq: 20 Jul 2019 04:22

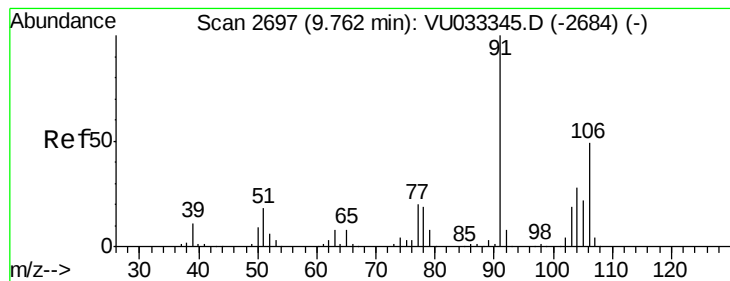
Tgt Ion: 106 Resp: 73111

Ion Ratio Lower Upper

106 100

91 198.3 147.6 274.0





#54

o-Xylene

Concen: 5.468 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

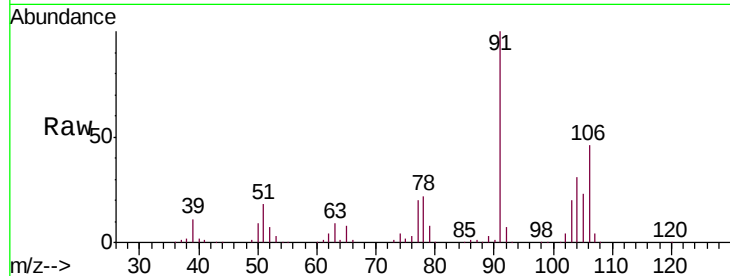
VSTD00518

Tgt Ion:106 Resp: 70122

Ion Ratio Lower Upper

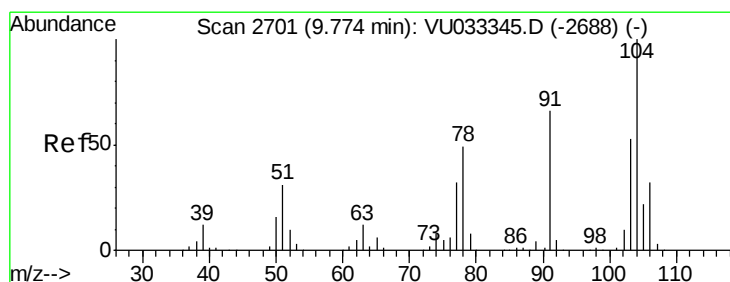
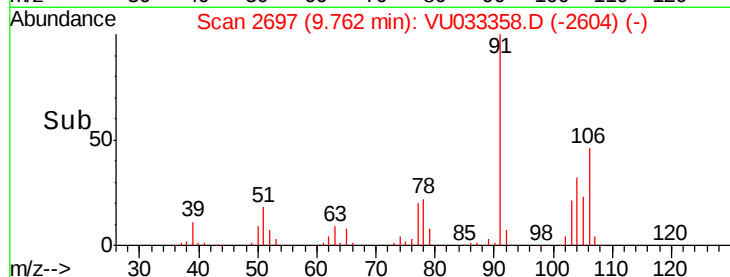
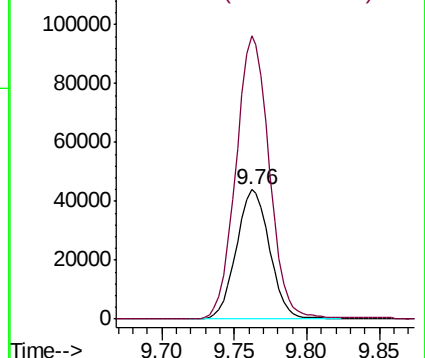
106 100

91 218.9 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.577 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033358.D

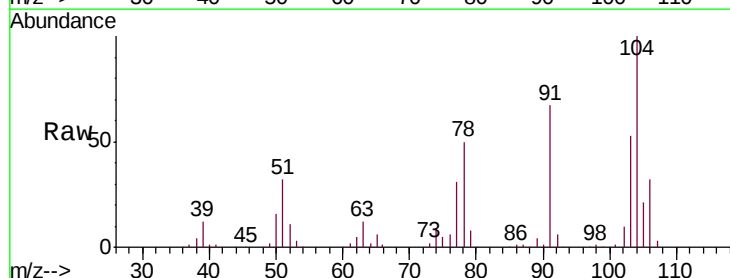
Acq: 20 Jul 2019 04:22

Tgt Ion:104 Resp: 124641

Ion Ratio Lower Upper

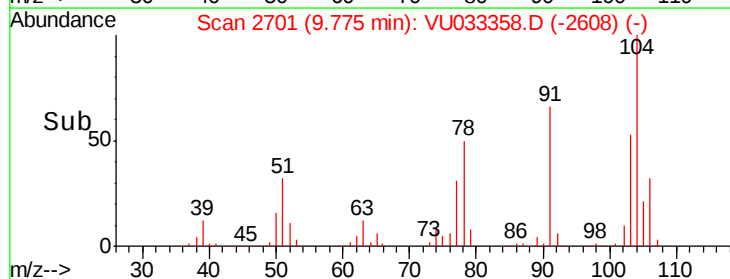
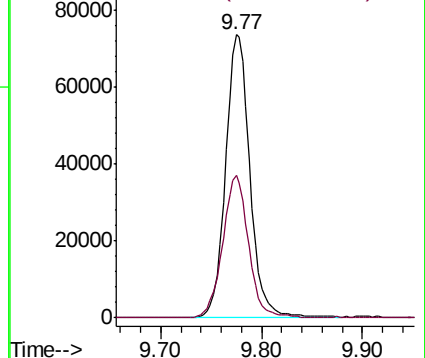
104 100

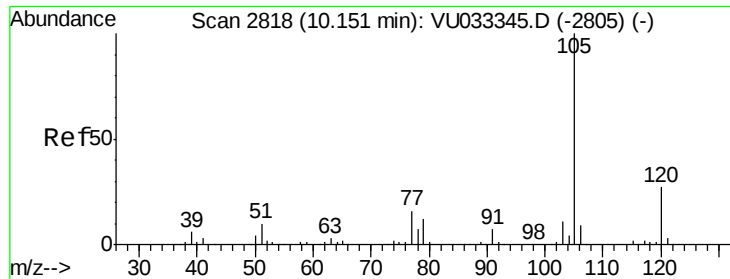
78 50.3 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.309 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

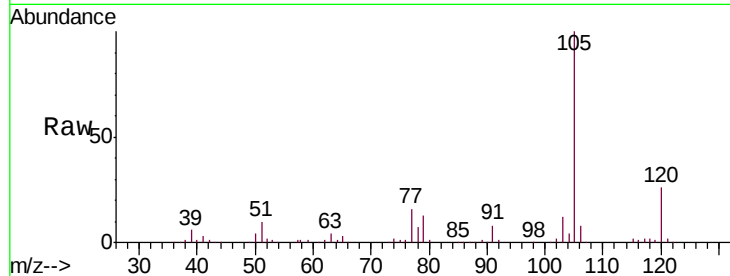
Tgt Ion: 105 Resp: 181004

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

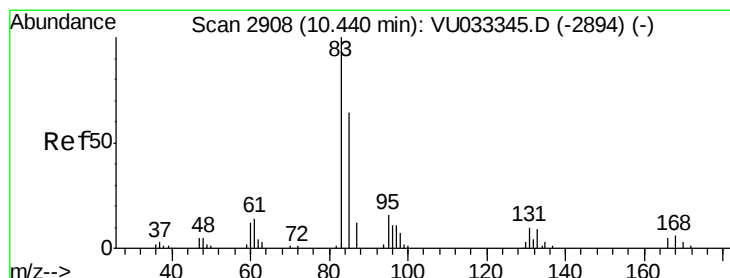
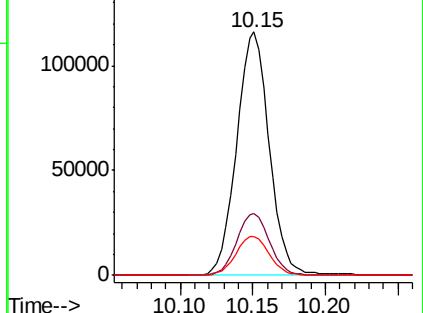
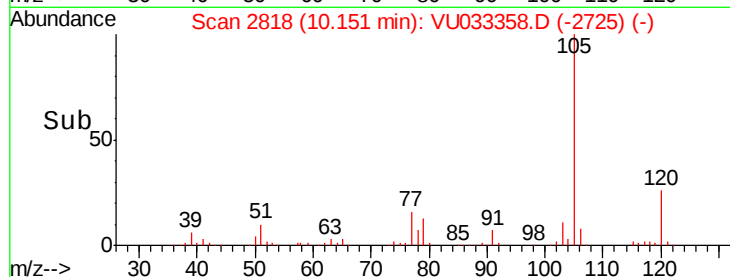
77 16.7 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.043 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

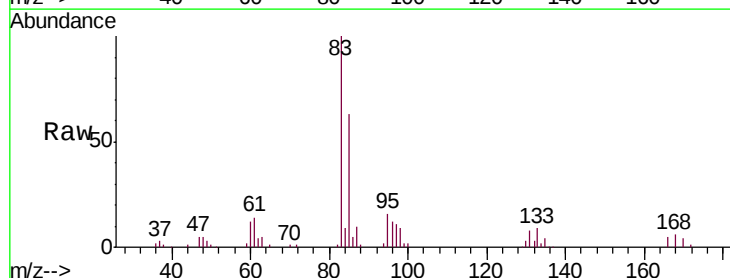
Tgt Ion: 83 Resp: 46479

Ion Ratio Lower Upper

83 100

85 62.8 44.6 82.8

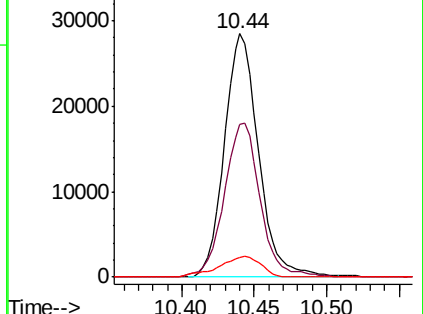
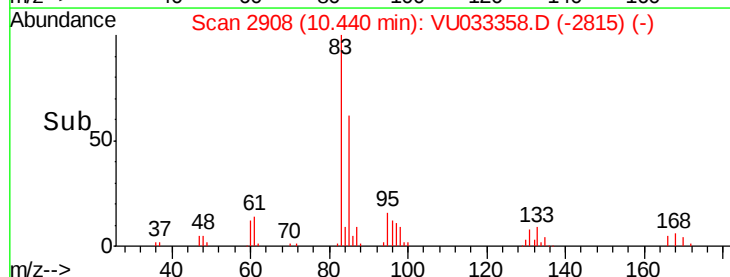
131 8.2 7.4 11.2

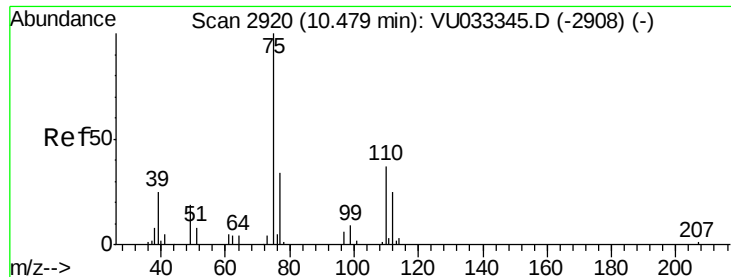


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

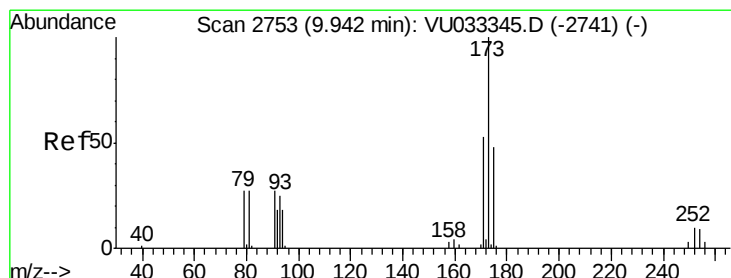
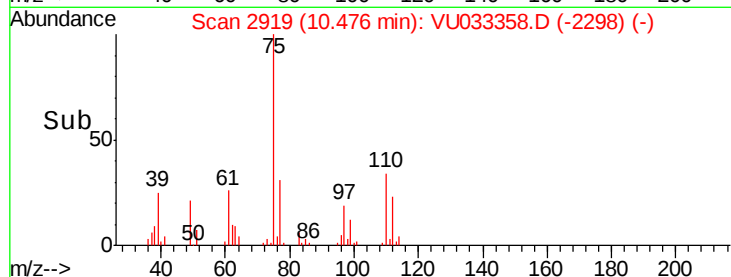
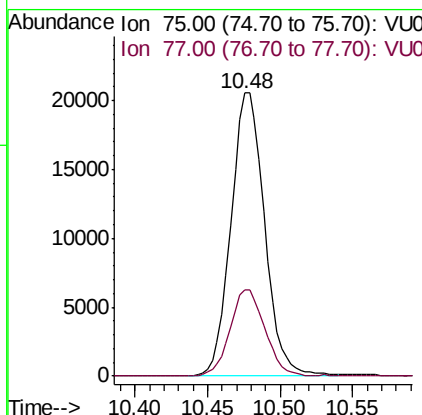
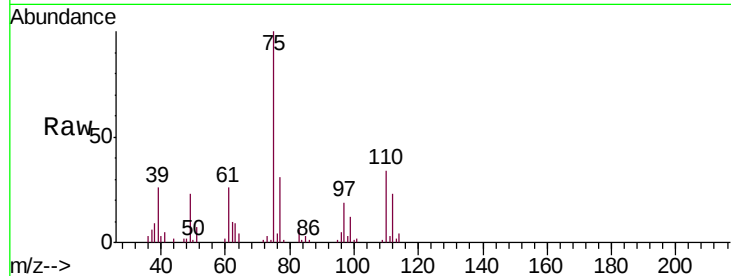




#59
 1,2,3-Trichloropropane
 Concen: 6.063 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

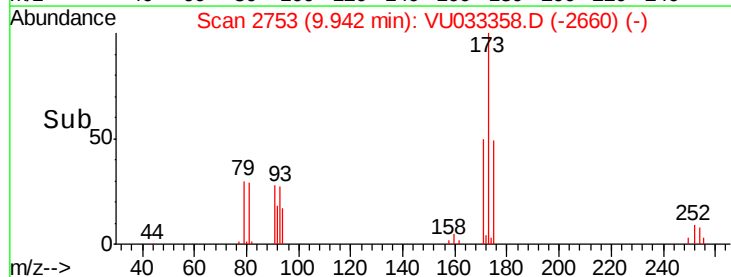
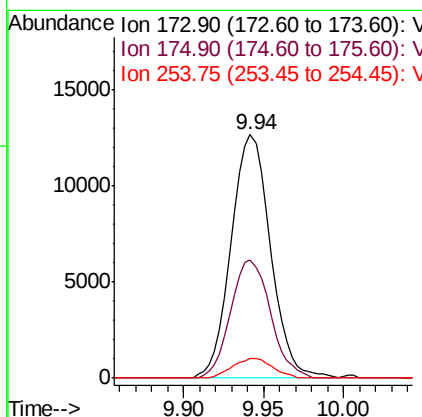
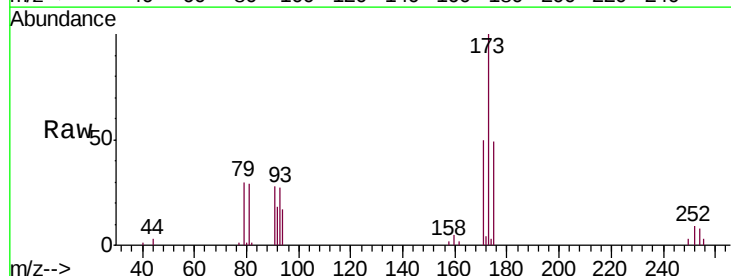
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

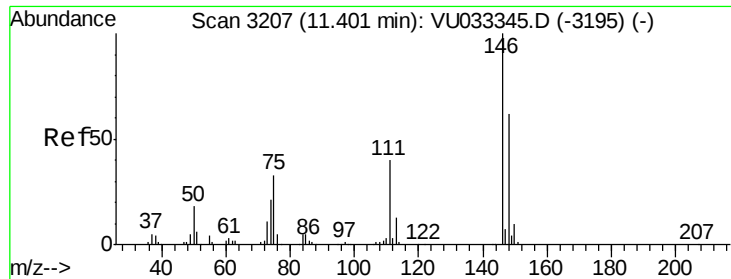
Tgt Ion: 75 Resp: 33218
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.5 39.7



#61
 Bromoform
 Concen: 5.821 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Tgt Ion: 173 Resp: 21264
 Ion Ratio Lower Upper
 173 100
 175 48.9 37.2 55.8
 254 8.3 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 5.258 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

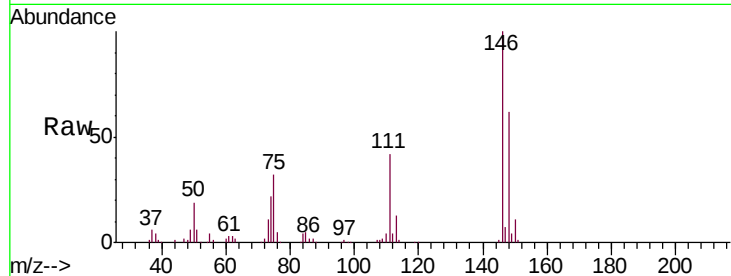
Tgt Ion:146 Resp: 83467

Ion Ratio Lower Upper

146 100

111 42.1 28.6 53.2

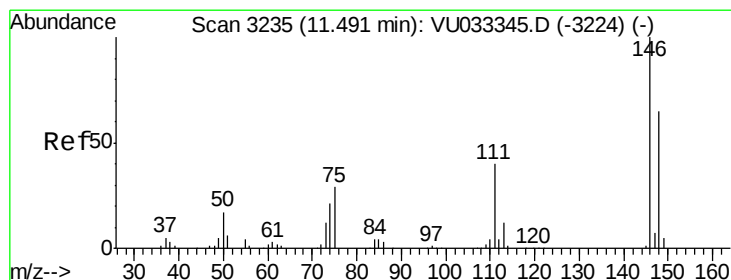
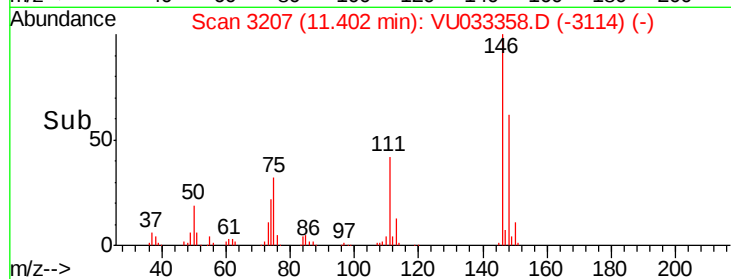
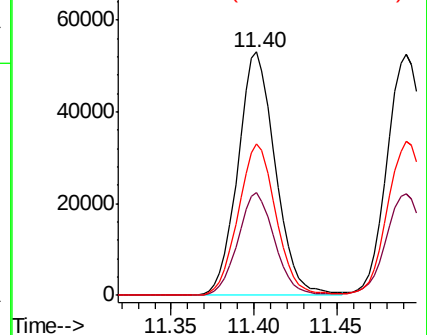
148 62.4 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.187 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

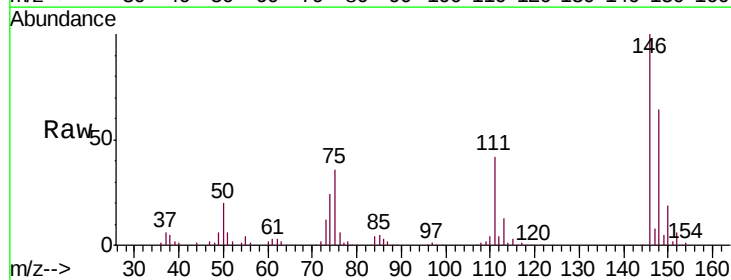
Tgt Ion:146 Resp: 86710

Ion Ratio Lower Upper

146 100

111 42.3 27.9 51.7

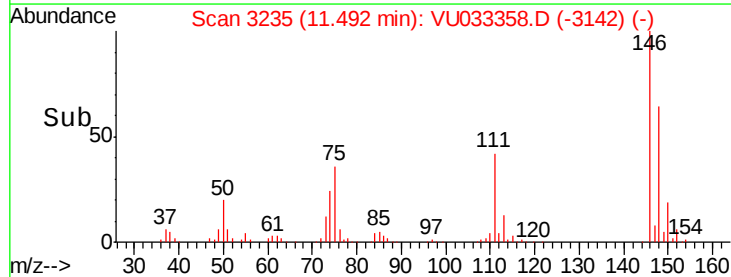
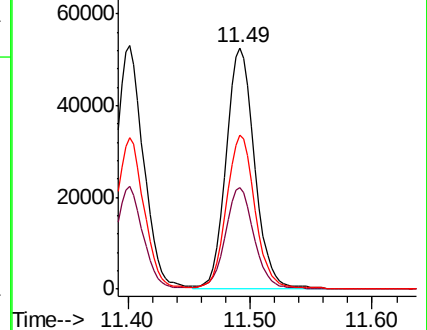
148 63.9 44.1 81.9

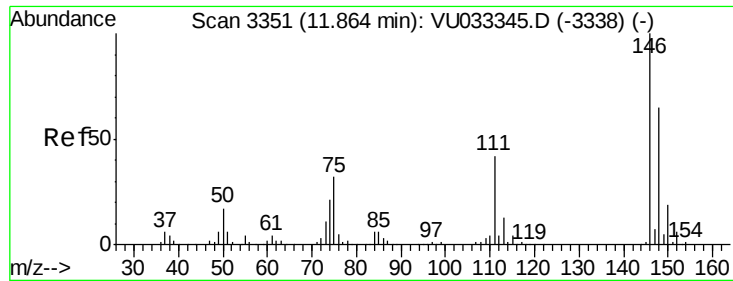


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.549 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

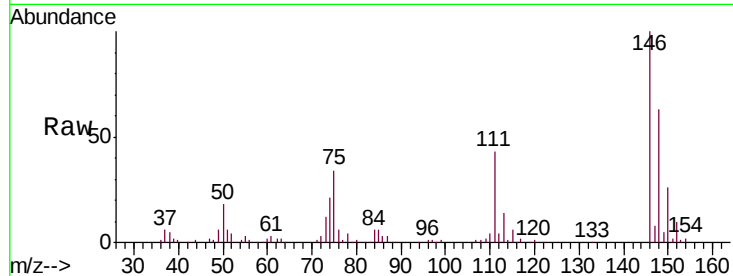
Tgt Ion:146 Resp: 87443

Ion Ratio Lower Upper

146 100

111 43.4 34.2 51.4

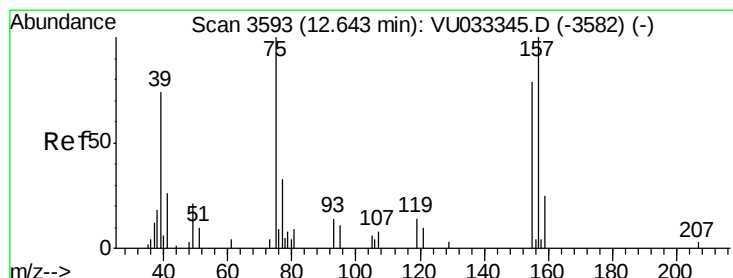
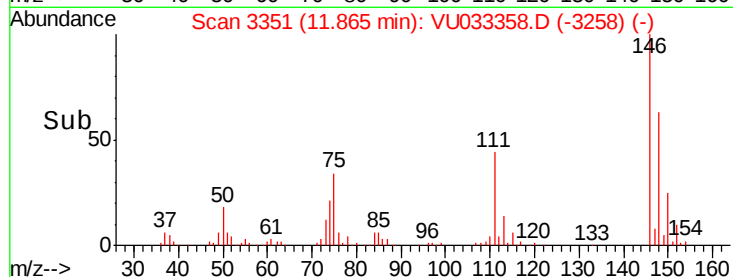
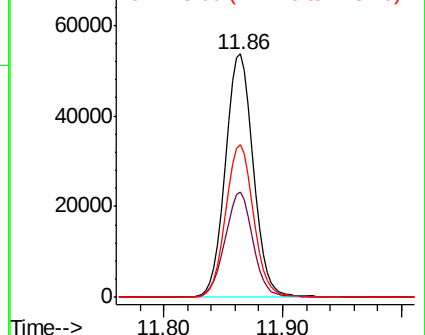
148 62.9 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 6.172 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. -0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

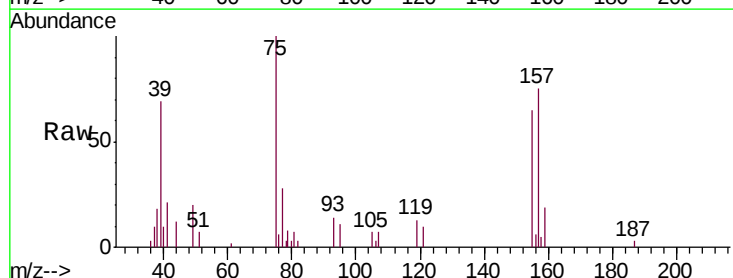
Tgt Ion: 75 Resp: 7361

Ion Ratio Lower Upper

75 100

155 64.6 67.1 100.7#

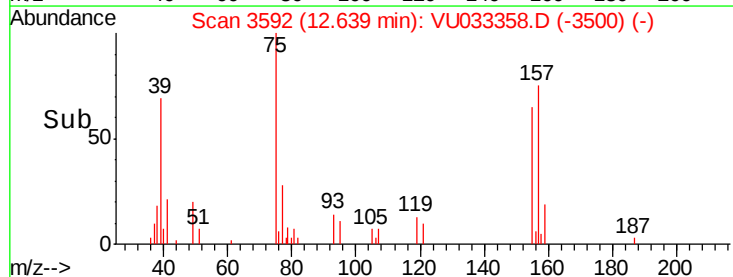
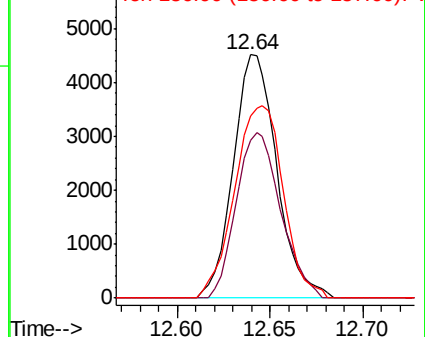
157 74.7 83.7 125.5#

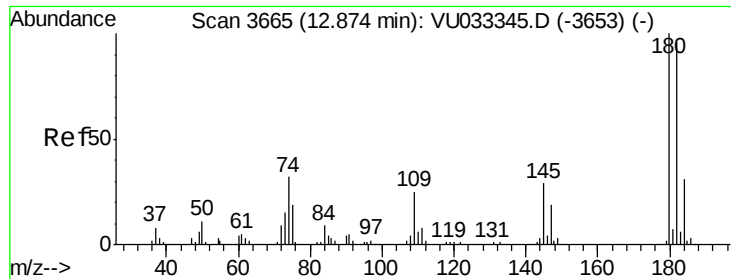


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

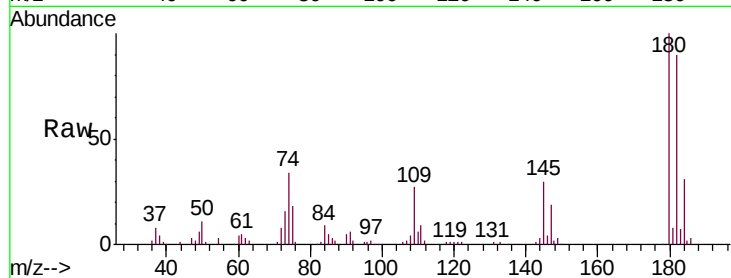




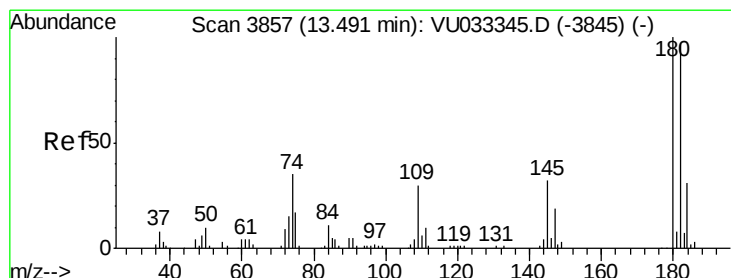
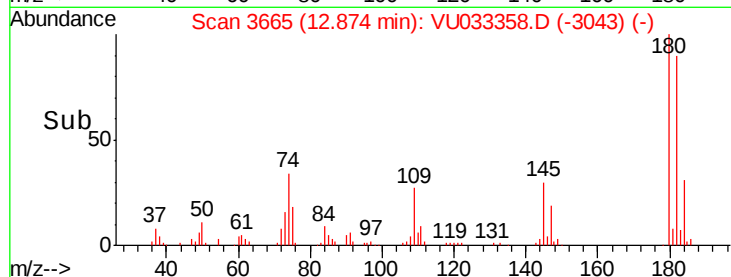
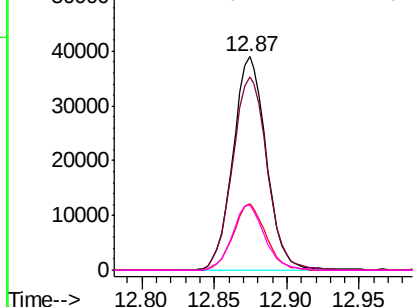
#67
 1,3,5-Trichlorobenzene
 Concen: 4.988 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion:180 Resp: 62230
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.0 114.0
 184 30.4 24.2 36.2
 145 29.7 24.6 37.0

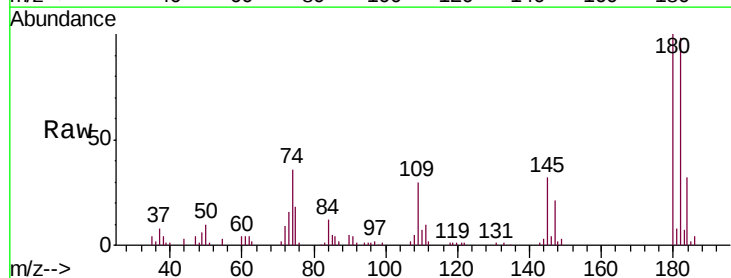


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

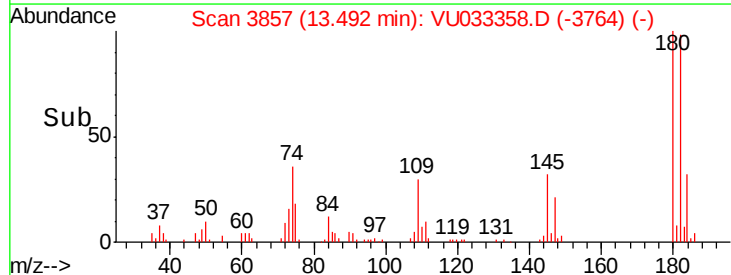
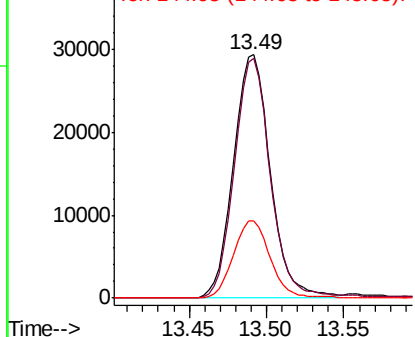


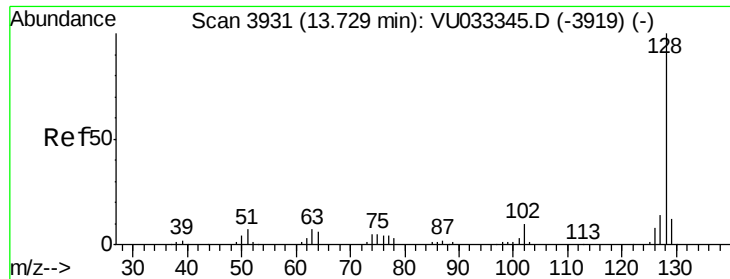
#68
 1,2,4-trichlorobenzene
 Concen: 4.828 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033358.D
 Acq: 20 Jul 2019 04:22

Tgt Ion:180 Resp: 48645
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.3 115.9
 145 31.8 24.5 36.7



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





#69

Naphthalene

Concen: 5.059 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

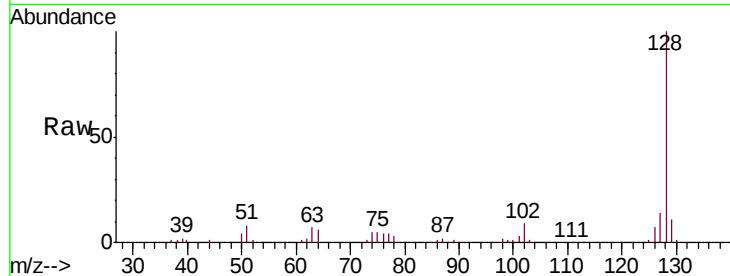
Tgt Ion:128 Resp: 86339

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

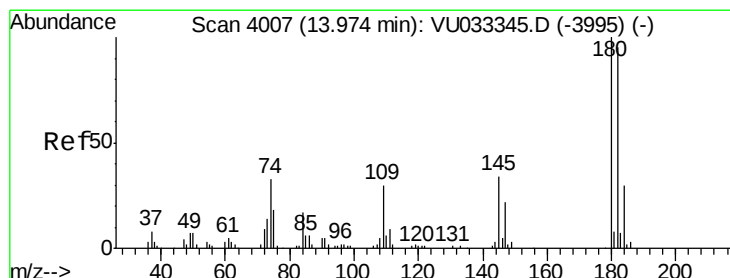
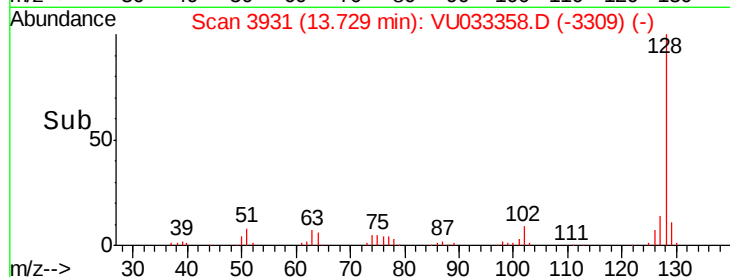
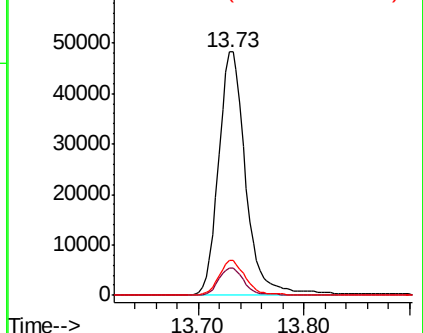
127 13.7 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.123 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033358.D

Acq: 20 Jul 2019 04:22

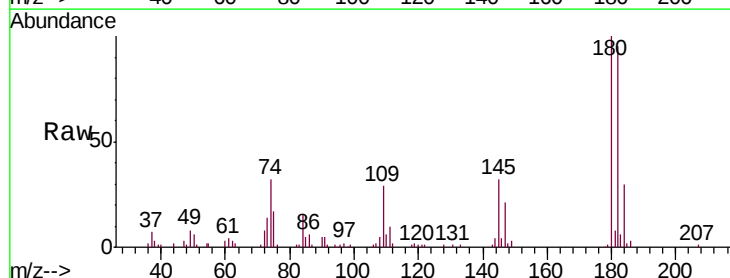
Tgt Ion:180 Resp: 48634

Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.4

145 33.3 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

