

Data File : VU035177.D
Acq On : 15 Oct 2019 02:18
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Oct 15 08:06:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	137662	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	147479	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	73343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	40026	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.67	69	39086	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.26	63	87076	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	4.18	46	154919	64.65	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.30%
24) Chloroform-d	4.62	84	80588	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.29	65	48101	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.32	84	156078	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.31	67	57406	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.55	98	149733	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.84	79	19193	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.30	63	108071	54.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.22%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	53927	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	57611	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	67554	5.370 ug/L	98
3) Chloromethane	1.32	50	73456	5.323 ug/L	99
5) Vinyl chloride	1.40	62	76275	5.627 ug/L	99
6) Bromomethane	1.62	94	44688	5.930 ug/L	95
8) Chloroethane	1.69	64	47434	5.834 ug/L	95
9) Trichlorofluoromethane	1.88	101	94850	5.785 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	52652	5.593 ug/L	98
12) 1,1-Dichloroethene	2.27	96	48153	5.446 ug/L	82
13) Acetone	2.32	43	117751	59.995 ug/L	95
14) Carbon disulfide	2.46	76	149728	5.088 ug/L	99
15) Methyl Acetate	2.61	43	30548	5.847 ug/L	92
16) Methylene chloride	2.68	84	59349	5.422 ug/L	82
17) Methyl tert-butyl Ether	2.99	73	140871	5.839 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	51828	5.474 ug/L	93
19) 1,1-Dichloroethane	3.42	63	110141	5.853 ug/L	100
21) 2-Butanone	4.27	43	168309	60.218 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	57048	5.402 ug/L	86

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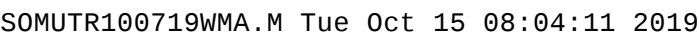
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

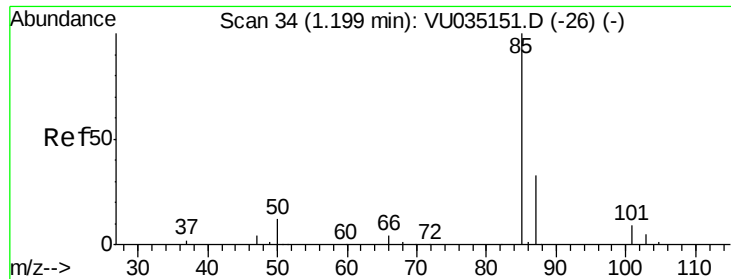
Quant Time: Oct 15 08:06:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	26044	5.884	ug/L	89
25) Chloroform	4.65	83	117488	5.557	ug/L	98
27) 1,2-Dichloroethane	5.38	62	71271	5.772	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	87542	5.285	ug/L	96
30) Cyclohexane	4.97	56	82763	4.544	ug/L	96
31) Carbon tetrachloride	5.11	117	78873	5.492	ug/L	97
33) Benzene	5.37	78	229931	5.176	ug/L	100
34) Trichloroethene	6.16	95	57525	5.021	ug/L	96
35) Methylcyclohexane	6.39	83	82292	4.435	ug/L	96
37) 1,2-Dichloropropane	6.41	63	64877	5.414	ug/L	100
38) Bromodichloromethane	6.74	83	78800	5.609	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	78994	4.866	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	425061	56.359	ug/L	93
42) Toluene	7.62	91	246587	5.318	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	65441	5.205	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	44825	5.634	ug/L	94
47) Tetrachloroethene	8.21	164	45494	4.906	ug/L	95
48) 2-Hexanone	8.35	43	291530	56.377	ug/L	97
49) Dibromochloromethane	8.46	129	52799	5.741	ug/L	100
50) 1,2-Dibromoethane	8.57	107	40701	5.352	ug/L #	97
51) Chlorobenzene	9.10	112	157216	5.232	ug/L	99
52) Ethylbenzene	9.23	91	257367	5.025	ug/L	99
53) m,p-Xylene	9.36	106	94170	4.978	ug/L	97
54) o-Xylene	9.76	106	93777	5.068	ug/L	97
55) Styrene	9.77	104	164844	5.502	ug/L	98
56) Isopropylbenzene	10.15	105	249179	5.055	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	60423	5.584	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	42340	5.459	ug/L	100
61) Bromoform	9.94	173	28587	5.683	ug/L	96
62) 1,3-Dichlorobenzene	11.40	146	119117	5.272	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	120315	5.276	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	114965	5.273	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	7893	5.697	ug/L	94
67) 1,3,5-Trichlorobenzene	12.86	180	72747	4.755	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	48303	4.228	ug/L	98
69) Naphthalene	13.72	128	62470	3.516	ug/L	98
70) 1,2,3-Trichlorobenzene	13.96	180	52500	4.725	ug/L	95

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

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#2

Dichlorodifluoromethane

Concen: 5.370 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

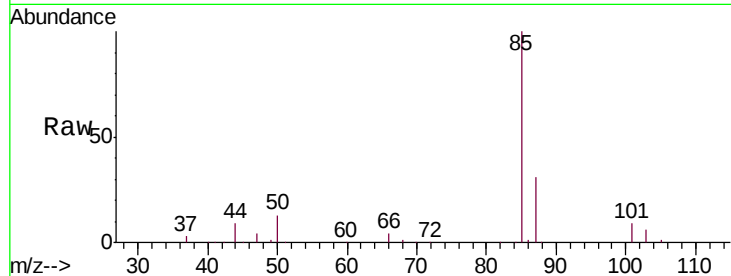
VSTD00520

Tgt Ion: 85 Resp: 67554

Ion Ratio Lower Upper

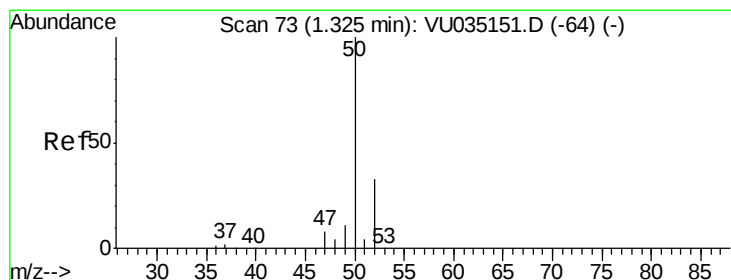
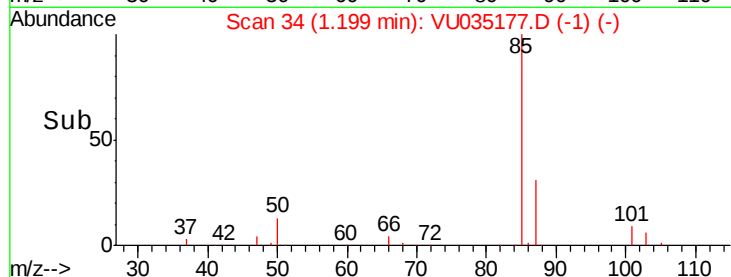
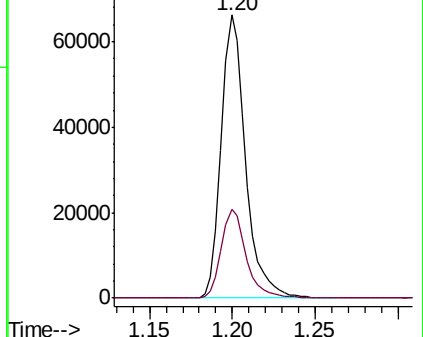
85 100

87 32.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035177.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035177.D (-1) (-)



#3

Chloromethane

Concen: 5.323 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU035177.D

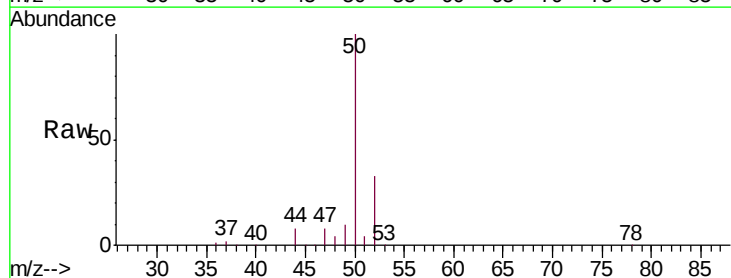
Acq: 15 Oct 2019 02:18

Tgt Ion: 50 Resp: 73456

Ion Ratio Lower Upper

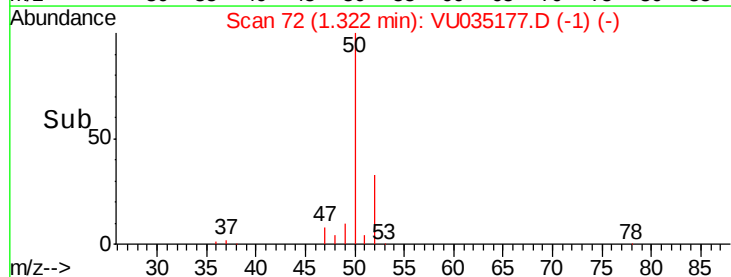
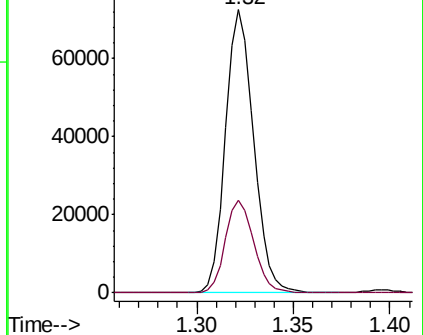
50 100

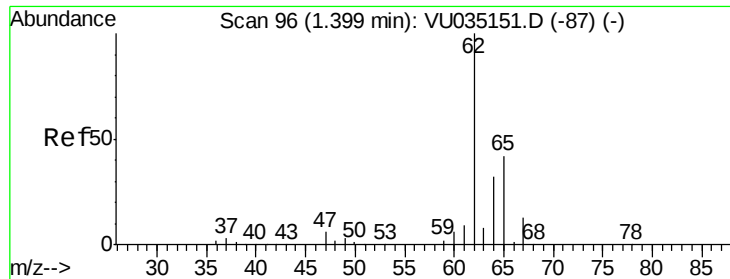
52 32.7 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035177.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035177.D (-1) (-)





#5

Vinyl chloride

Concen: 5.627 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

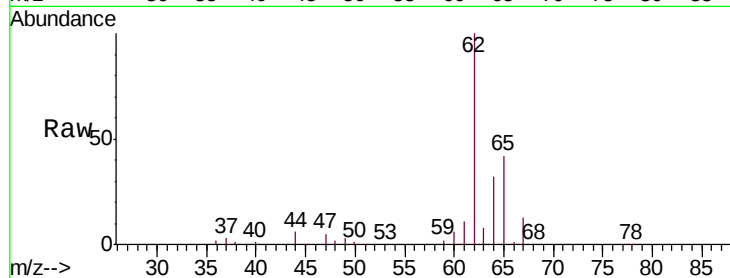
VSTD00520

Tgt Ion: 62 Resp: 76275

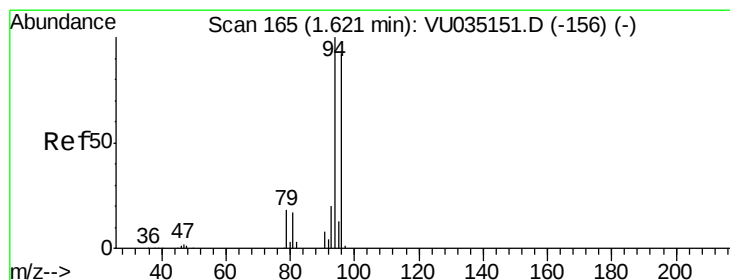
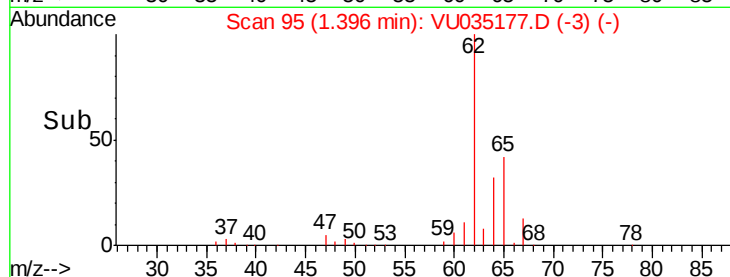
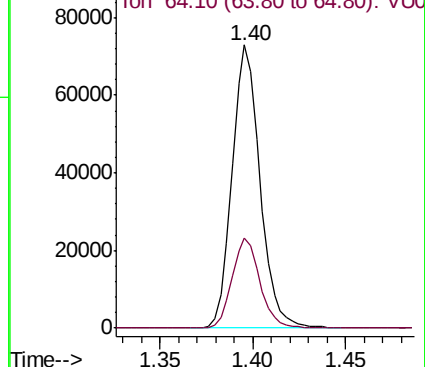
Ion Ratio Lower Upper

62 100

64 31.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU035151.D (-87) (-)



#6

Bromomethane

Concen: 5.930 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035177.D

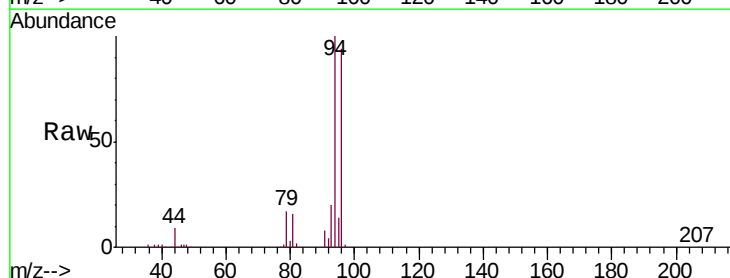
Acq: 15 Oct 2019 02:18

Tgt Ion: 94 Resp: 44688

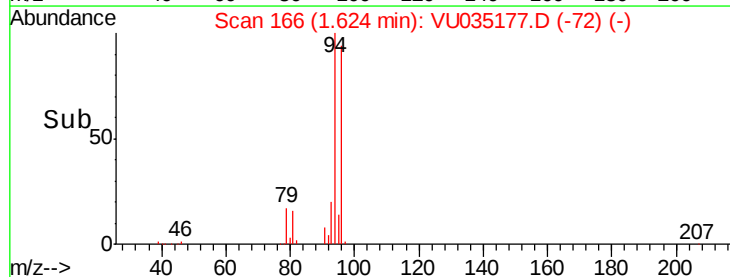
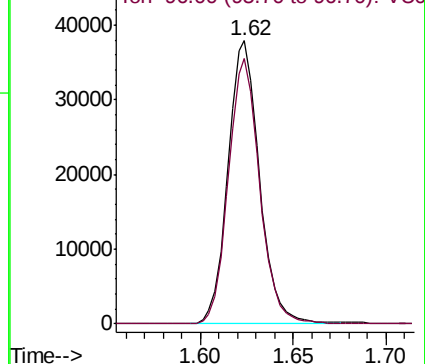
Ion Ratio Lower Upper

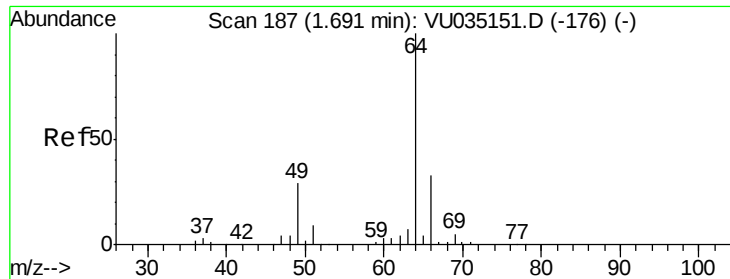
94 100

96 93.7 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU035151.D (-156) (-)





#8

Chloroethane

Concen: 5.834 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

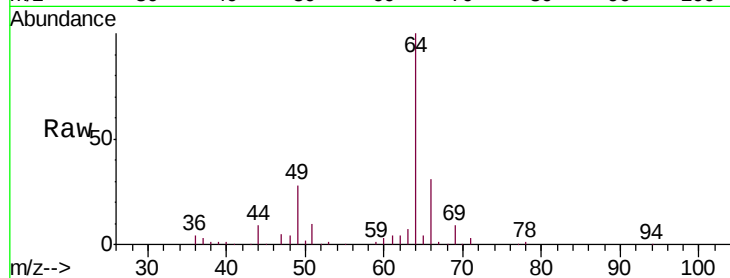
VSTD00520

Tgt Ion: 64 Resp: 47434

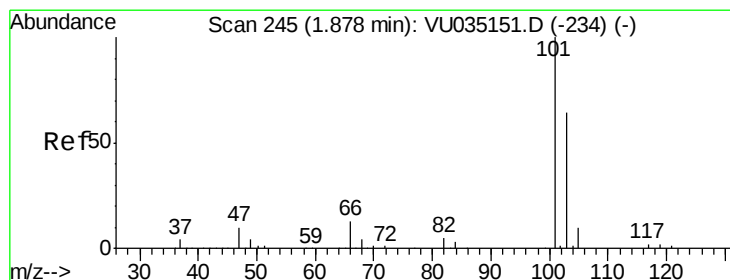
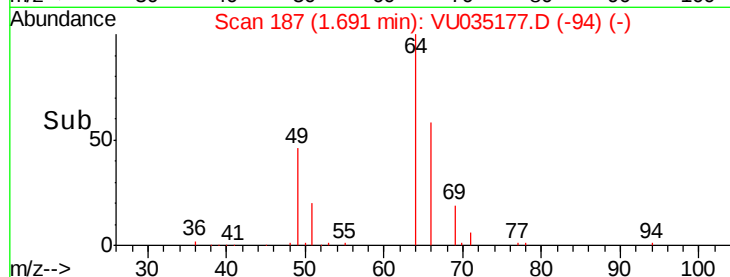
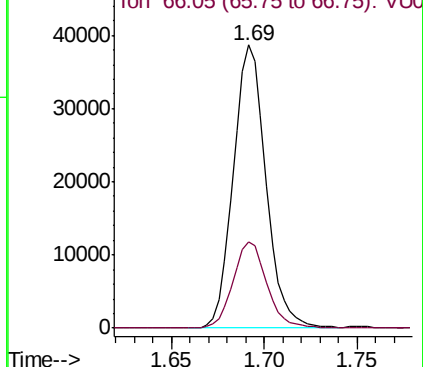
Ion Ratio Lower Upper

64 100

66 30.6 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU035151.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.785 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU035177.D

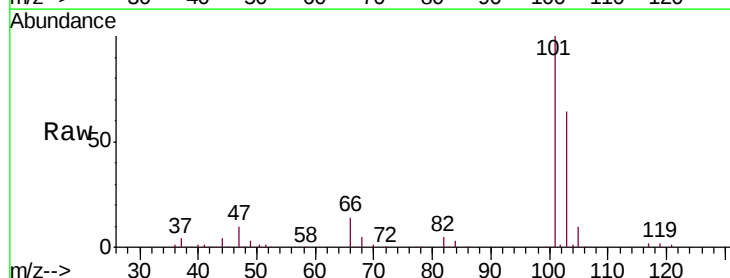
Acq: 15 Oct 2019 02:18

Tgt Ion: 101 Resp: 94850

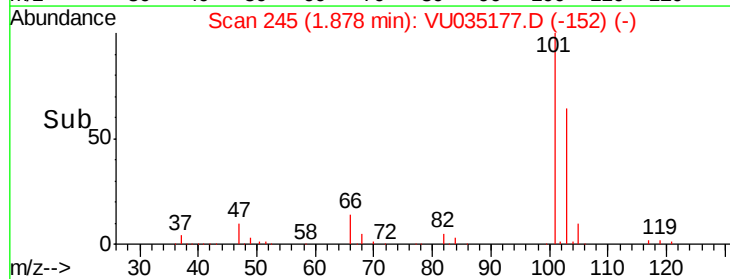
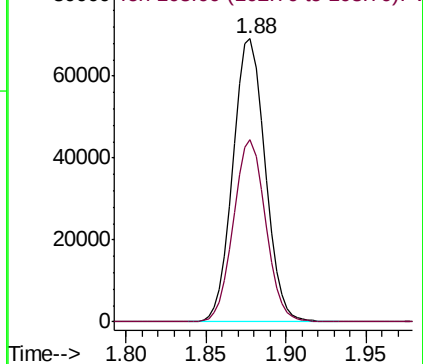
Ion Ratio Lower Upper

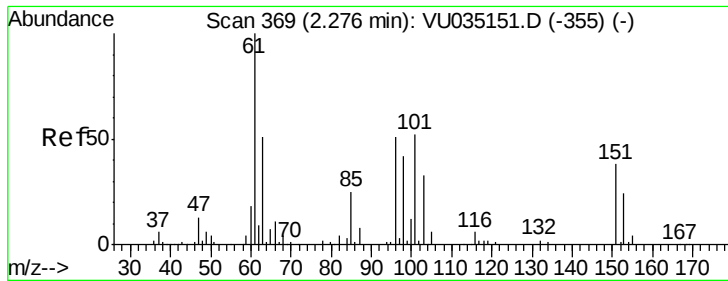
101 100

103 64.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035151.D (-234) (-)





#10

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

Concen: 5.593 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

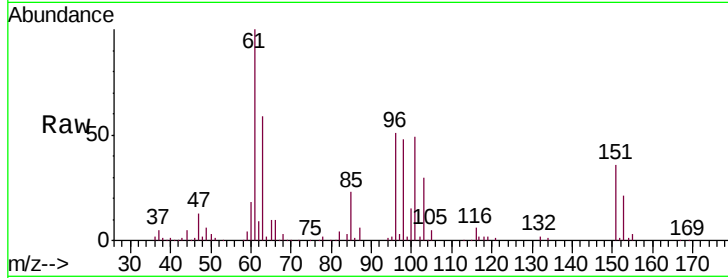
Tgt Ion: 101 Resp: 52652

Ion Ratio Lower Upper

101 100

85 46.8 37.4 56.0

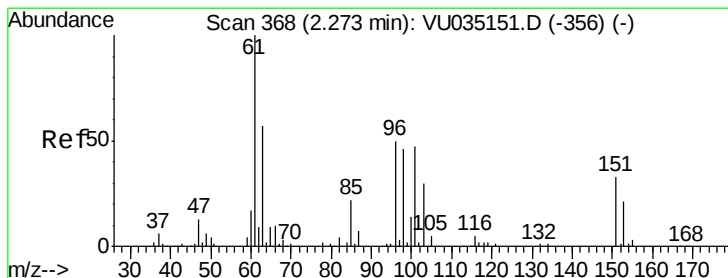
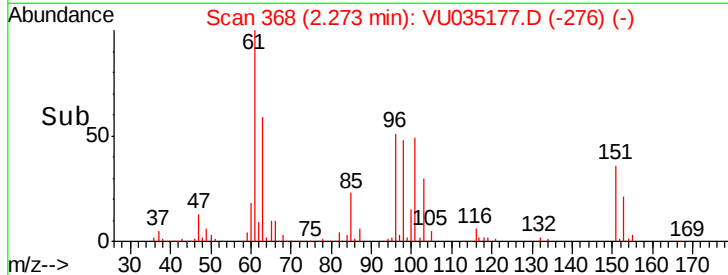
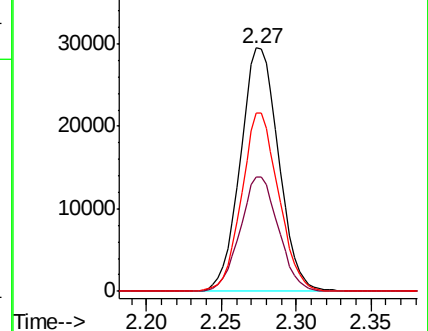
151 70.7 58.6 87.8



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: 5.446 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

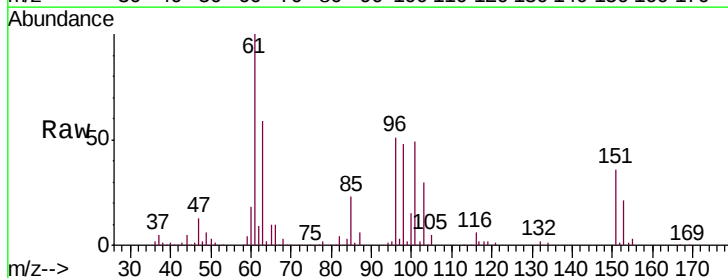
Tgt Ion: 96 Resp: 48153

Ion Ratio Lower Upper

96 100

61 195.6 129.3 240.1

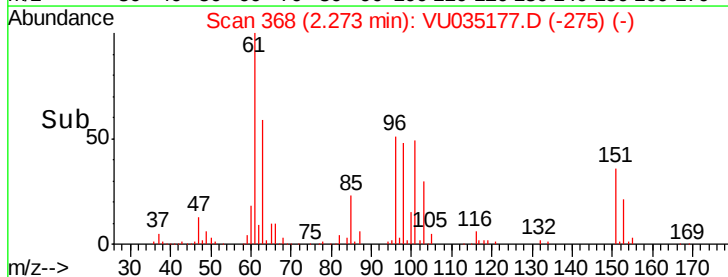
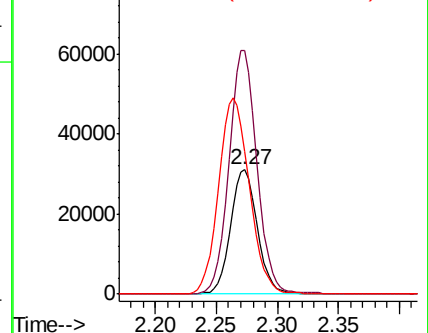
63 114.9 108.9 202.3

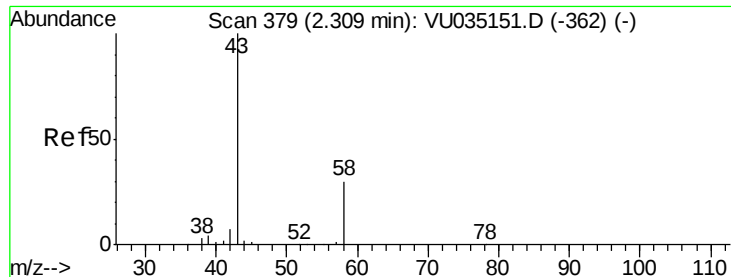


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.995 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

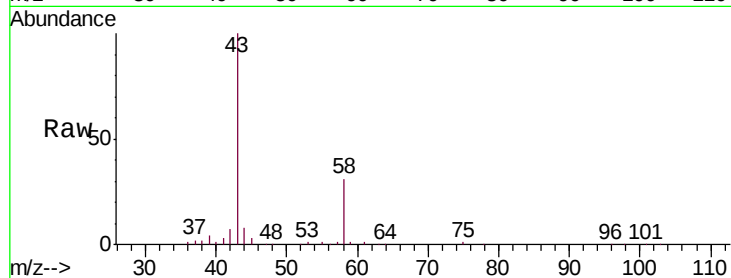
VSTD00520

Tgt Ion: 43 Resp: 117751

Ion Ratio Lower Upper

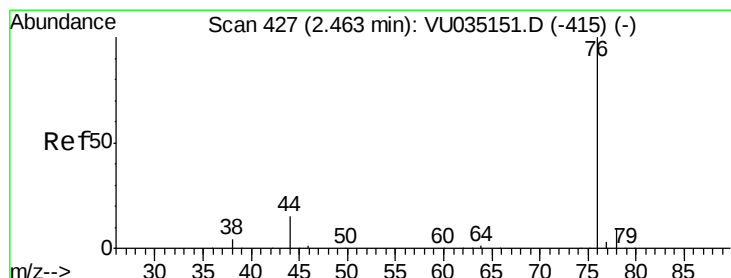
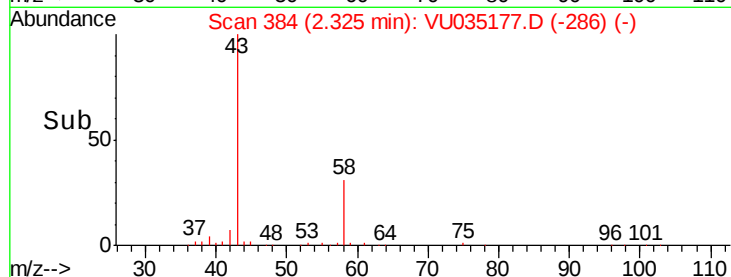
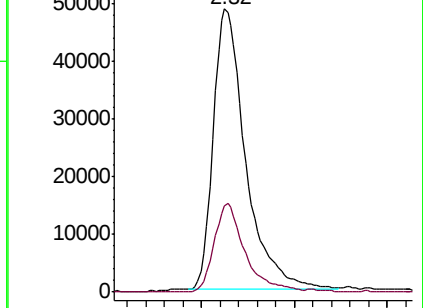
43 100

58 30.2 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035151.D (-362) (-)

Ion 58.05 (57.75 to 58.75): VU035151.D (-362) (-)



#14

Carbon disulfide

Concen: 5.088 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU035177.D

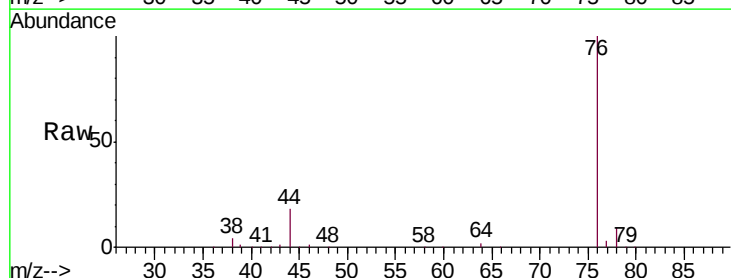
Acq: 15 Oct 2019 02:18

Tgt Ion: 76 Resp: 149728

Ion Ratio Lower Upper

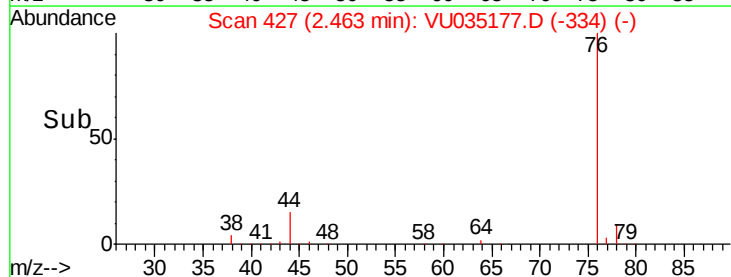
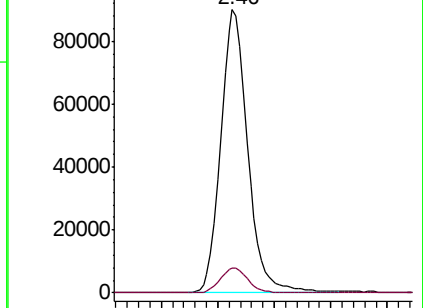
76 100

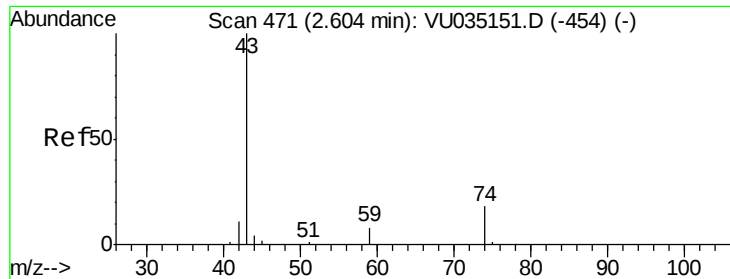
78 8.6 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035151.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU035151.D (-415) (-)





#15

Methyl Acetate

Concen: 5.847 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

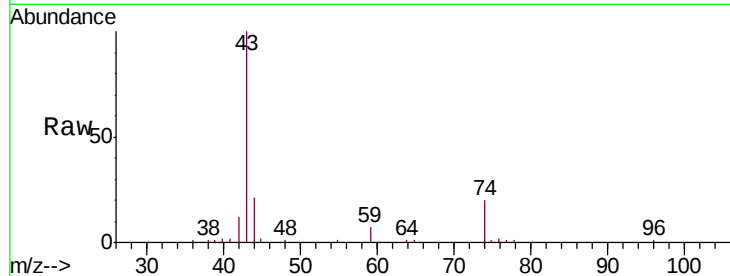
VSTD00520

Tgt Ion: 43 Resp: 30548

Ion Ratio Lower Upper

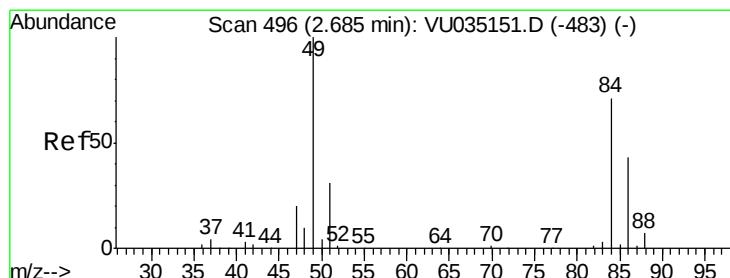
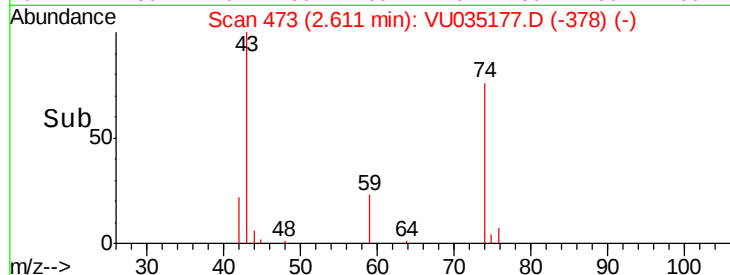
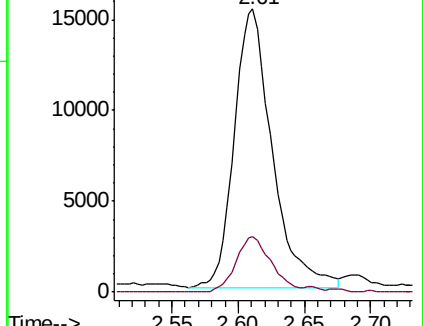
43 100

74 18.6 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU035177.D (-378) (-)

Ion 74.05 (73.75 to 74.75): VU035177.D (-378) (-)



#16

Methylene chloride

Concen: 5.422 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

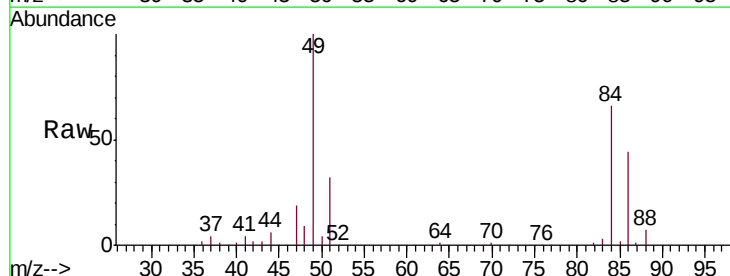
Tgt Ion: 84 Resp: 59349

Ion Ratio Lower Upper

84 100

86 65.8 42.5 78.9

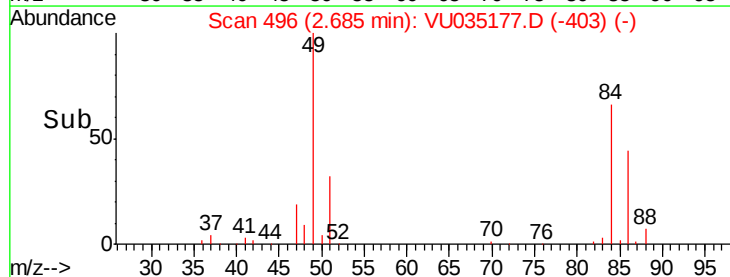
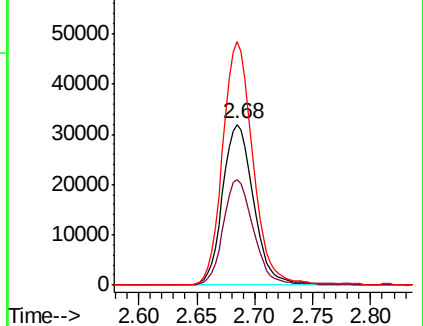
49 151.2 86.9 161.3

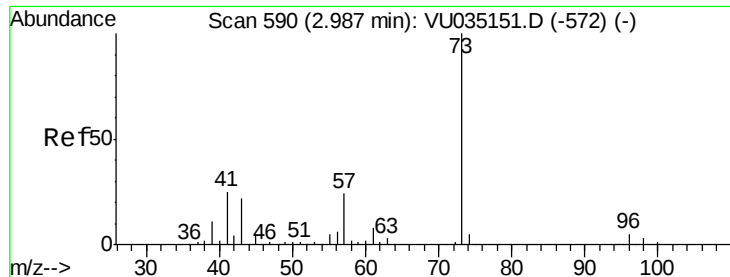


Abundance Ion 84.05 (83.75 to 84.75): VU035177.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU035177.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU035177.D (-403) (-)



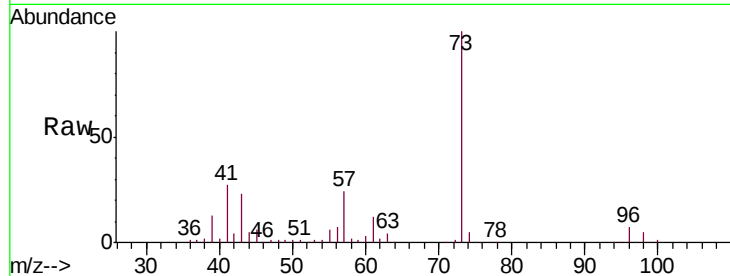


#17

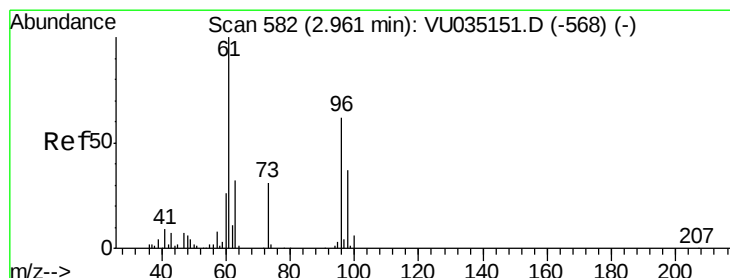
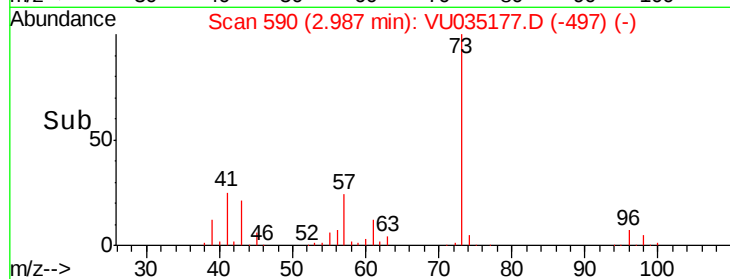
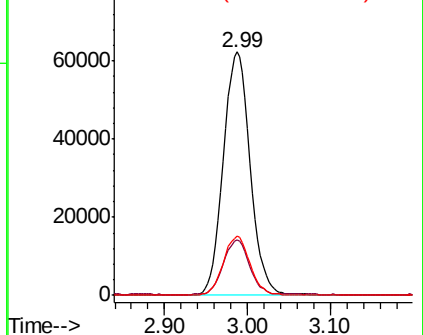
Methyl tert-butyl Ether
 Concen: 5.839 ug/L
 RT: 2.99 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:	73	Resp:	140871
Ion	Ratio	Lower	Upper
73	100		
43	21.8	16.3	24.5
57	24.1	18.6	28.0



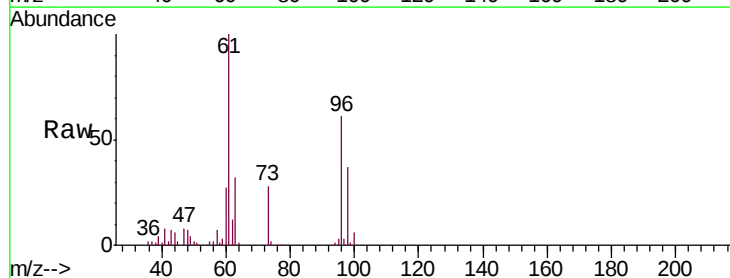
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



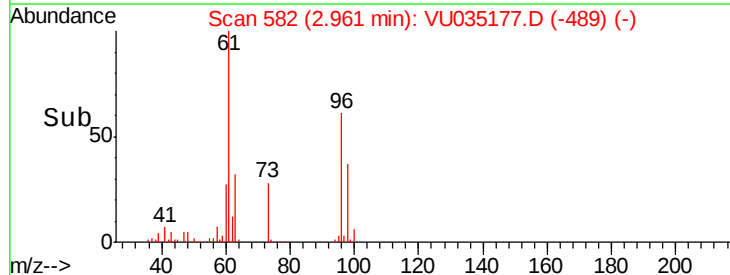
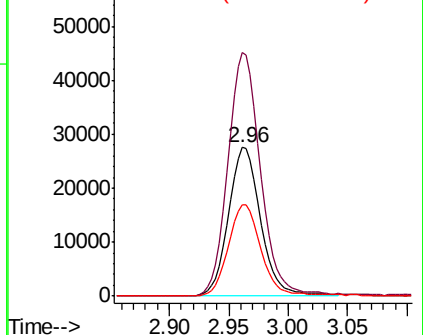
#18

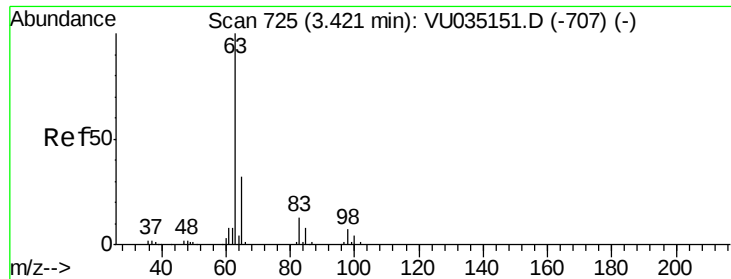
trans-1,2-Dichloroethene
 Concen: 5.474 ug/L
 RT: 2.96 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Tgt Ion:	96	Resp:	51828
Ion	Ratio	Lower	Upper
96	100		
61	164.2	107.1	198.9
98	61.4	45.4	84.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

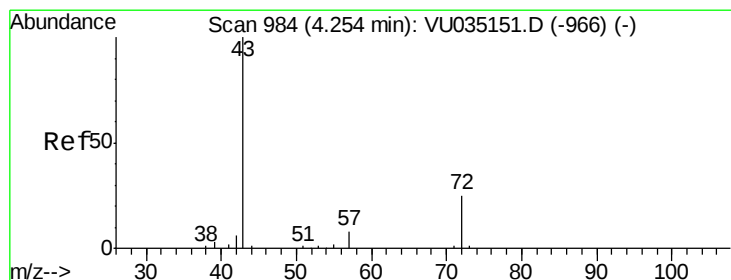
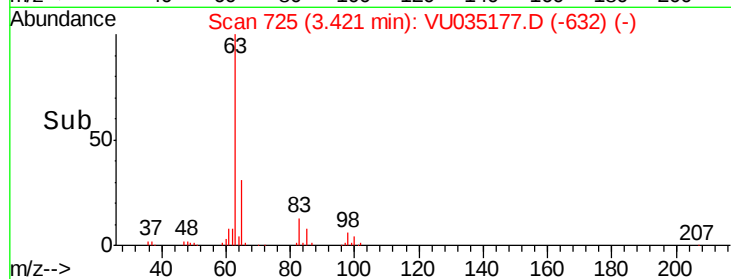
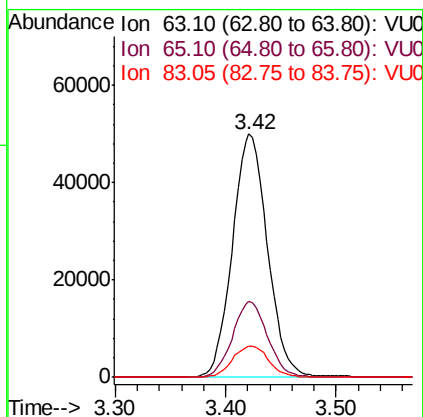
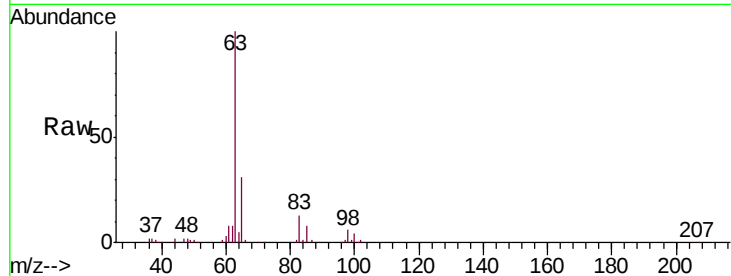




#19
 1,1-Dichloroethane
 Concen: 5.853 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

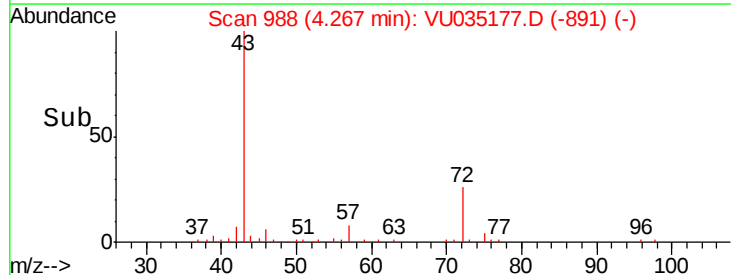
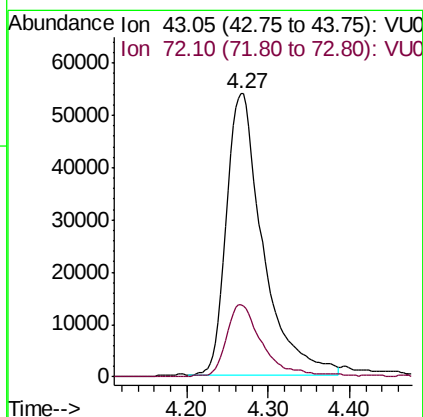
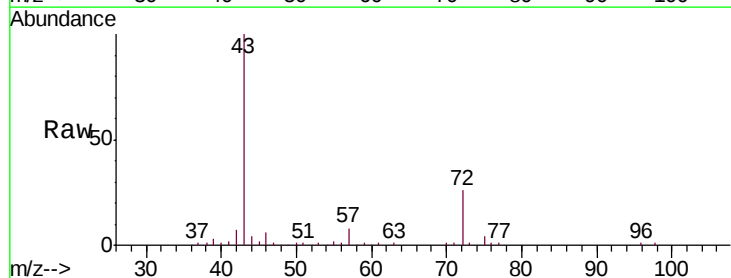
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

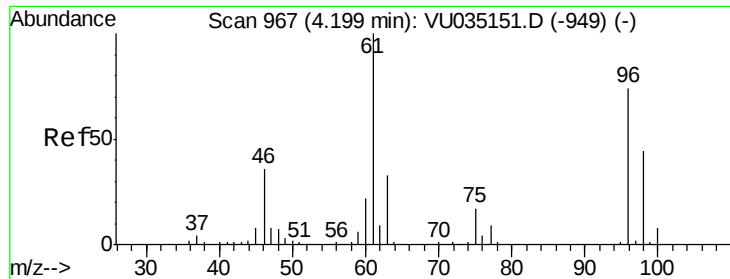
Tgt Ion: 63 Resp: 110141
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.7 40.3
 83 12.6 9.0 16.8



#21
 2-Butanone
 Concen: 60.218 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Tgt Ion: 43 Resp: 168309
 Ion Ratio Lower Upper
 43 100
 72 24.3 13.5 40.4



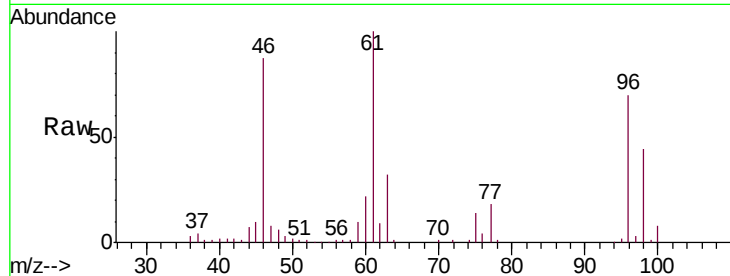


#22

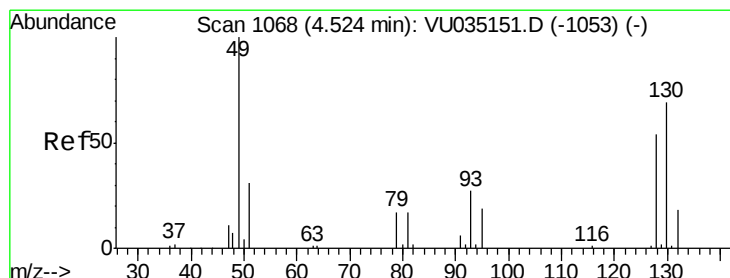
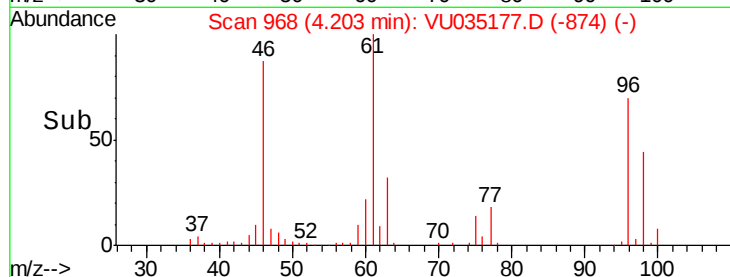
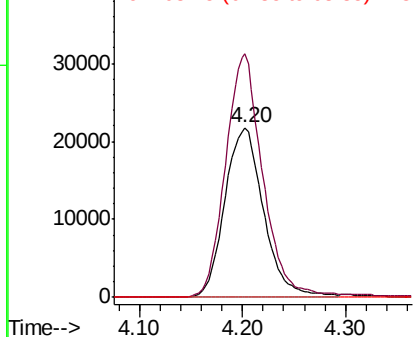
cis-1,2-Dichloroethene
 Concen: 5.402 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 96 Resp: 57048
 Ion Ratio Lower Upper
 96 100
 61 143.3 89.2 165.6
 68 0.0 0.0 0.0



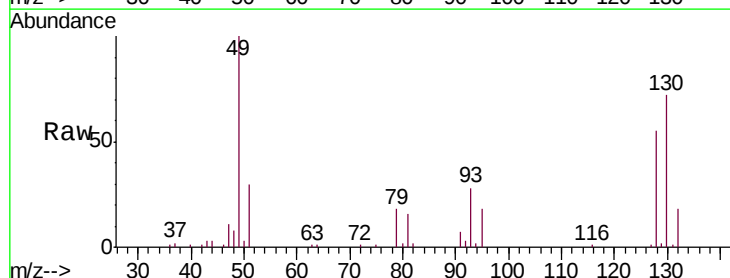
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



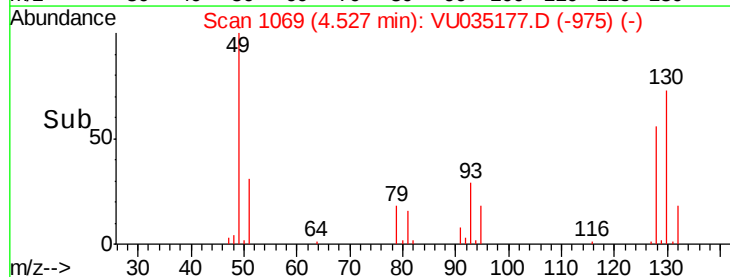
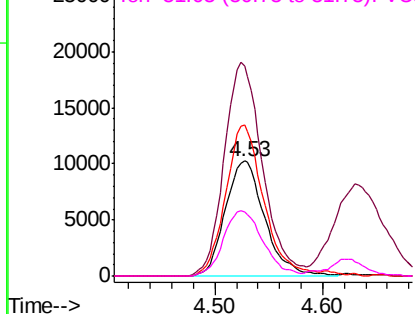
#23

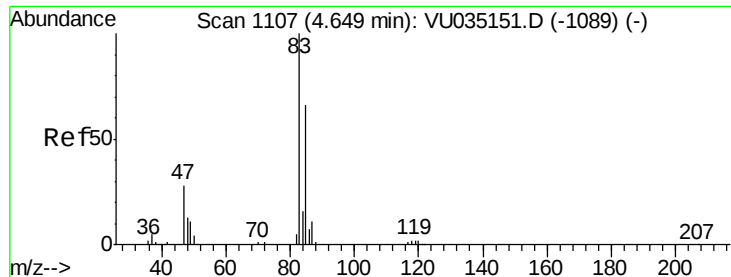
Bromochloromethane
 Concen: 5.884 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Tgt Ion: 128 Resp: 26044
 Ion Ratio Lower Upper
 128 100
 49 183.1 110.5 205.3
 130 131.0 88.6 164.6
 51 55.5 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

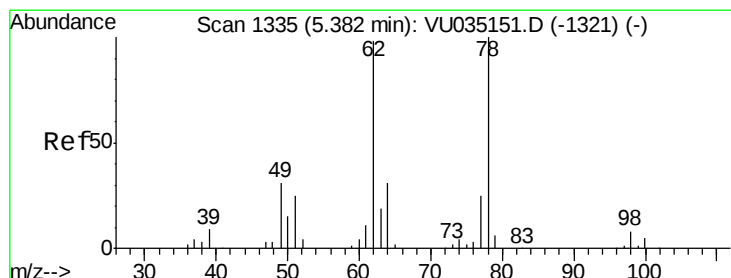
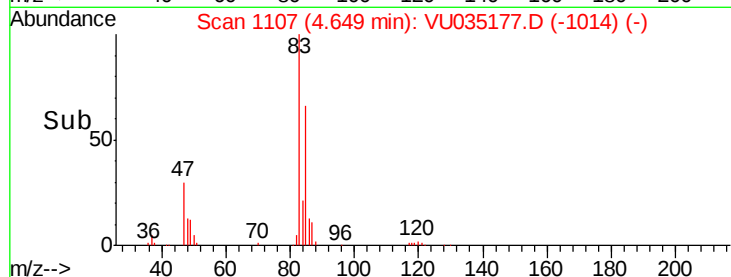
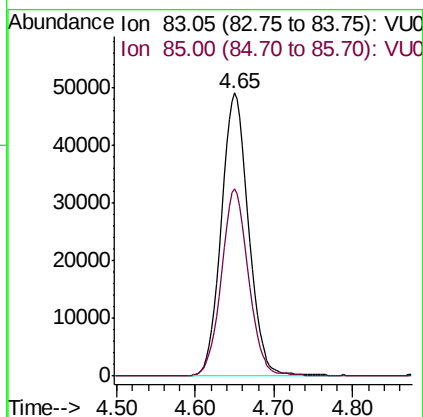
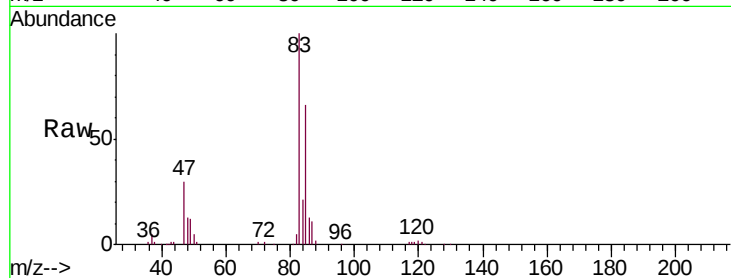




#25
Chloroform
Concen: 5.557 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

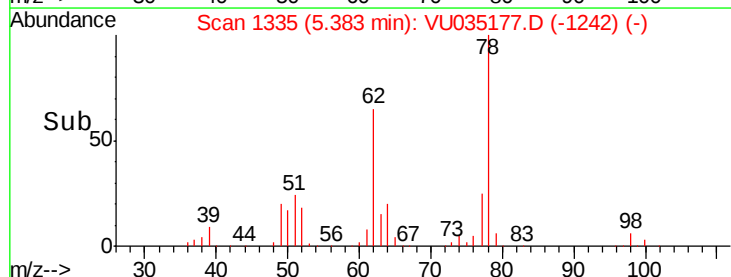
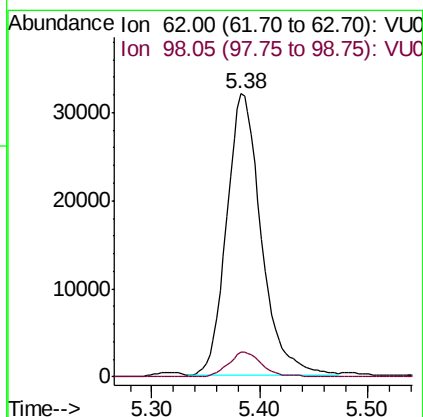
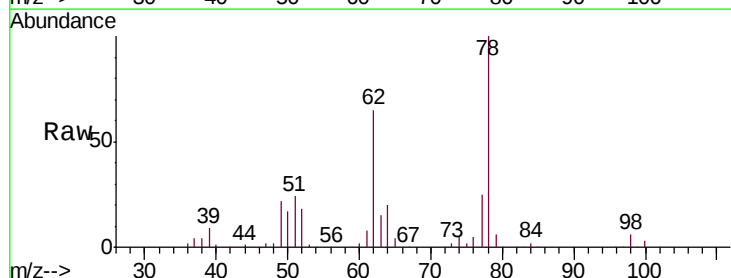
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

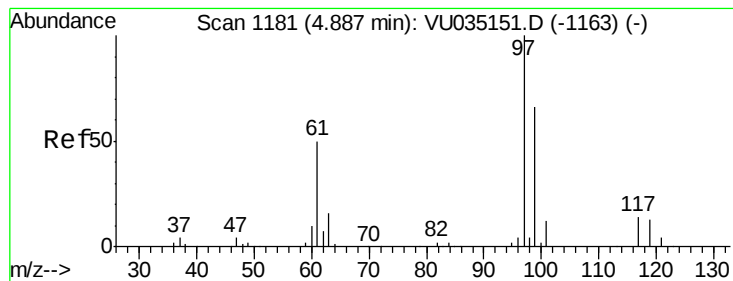
Tgt Ion: 83 Resp: 117488
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.772 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

Tgt Ion: 62 Resp: 71271
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.285 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

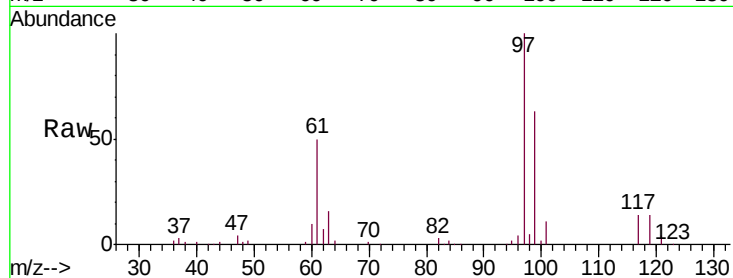
Tgt Ion: 97 Resp: 87542

Ion Ratio Lower Upper

97 100

99 63.3 51.6 77.4

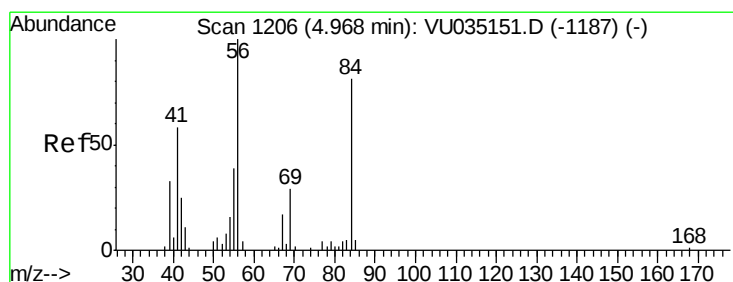
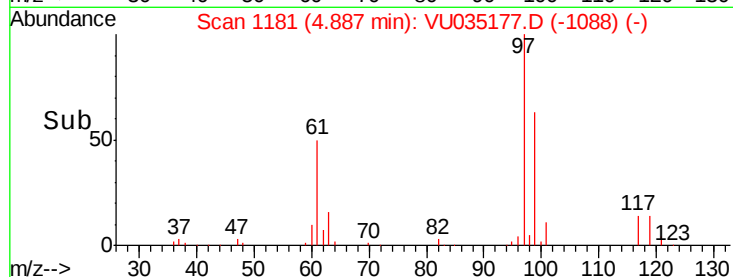
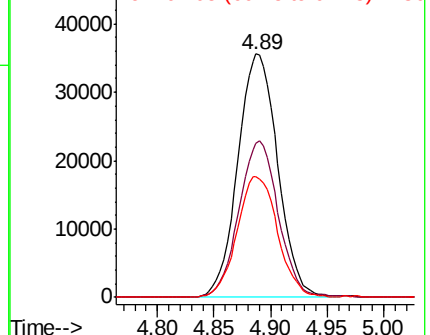
61 50.4 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VU035177.D (-1088) (-)

Ion 99.05 (98.75 to 99.75): VU035177.D (-1088) (-)

Ion 61.05 (60.75 to 61.75): VU035177.D (-1088) (-)



#30

Cyclohexane

Concen: 4.544 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

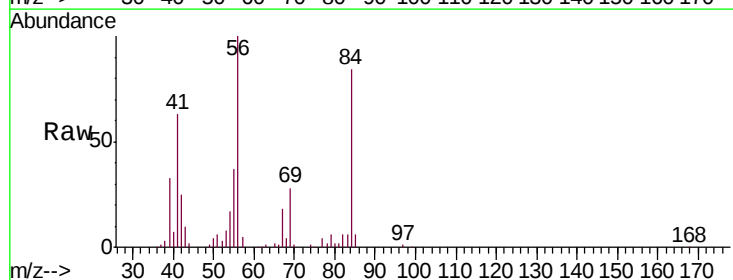
Tgt Ion: 56 Resp: 82763

Ion Ratio Lower Upper

56 100

69 28.7 23.9 35.9

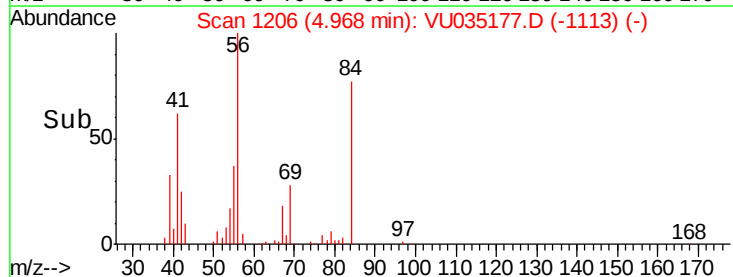
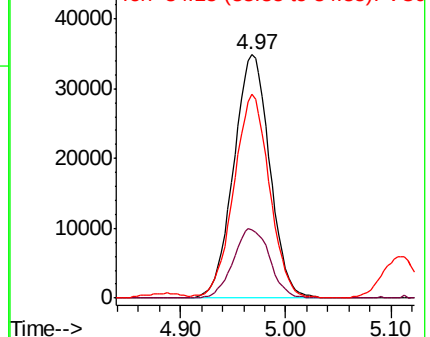
84 82.9 69.5 104.3

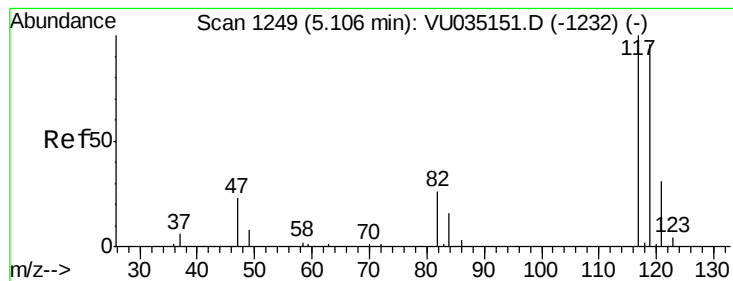


Abundance Ion 56.10 (55.80 to 56.80): VU035177.D (-1113) (-)

Ion 69.15 (68.85 to 69.85): VU035177.D (-1113) (-)

Ion 84.15 (83.85 to 84.85): VU035177.D (-1113) (-)





#31

Carbon tetrachloride

Concen: 5.492 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

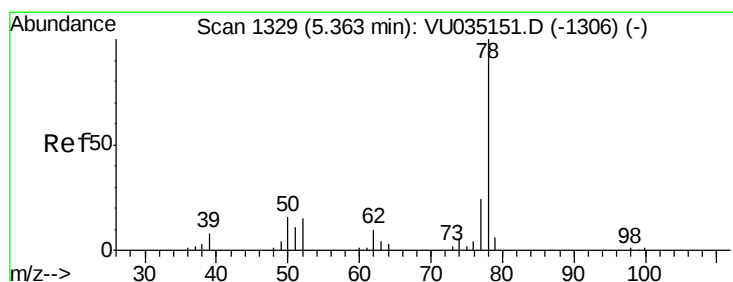
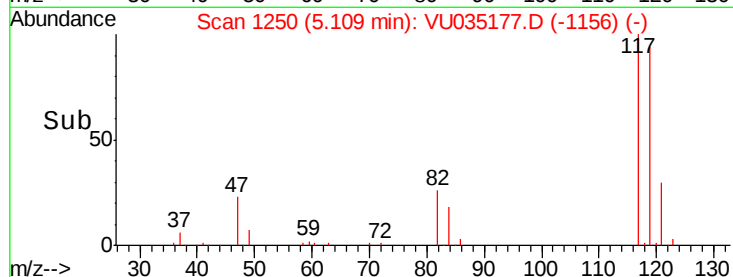
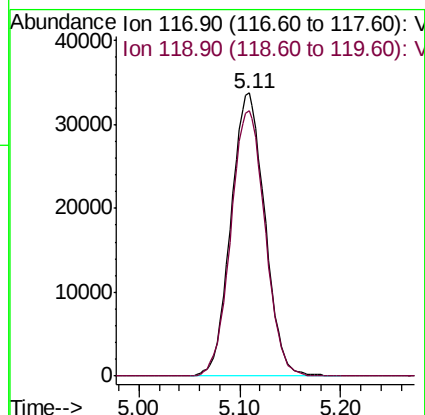
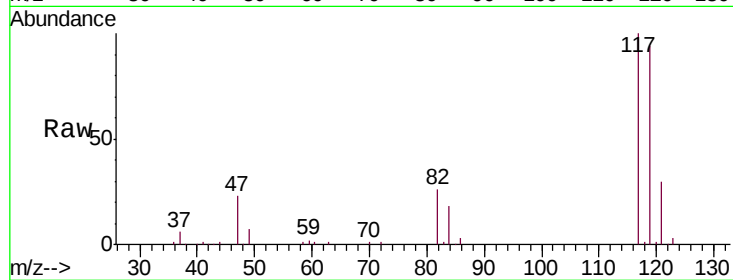
VSTD00520

Tgt Ion:117 Resp: 78873

Ion Ratio Lower Upper

117 100

119 94.4 77.5 116.3



#33

Benzene

Concen: 5.176 ug/L

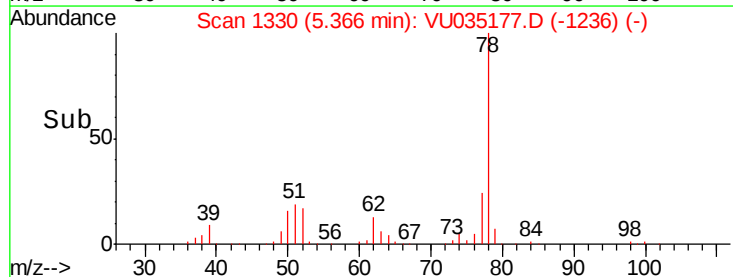
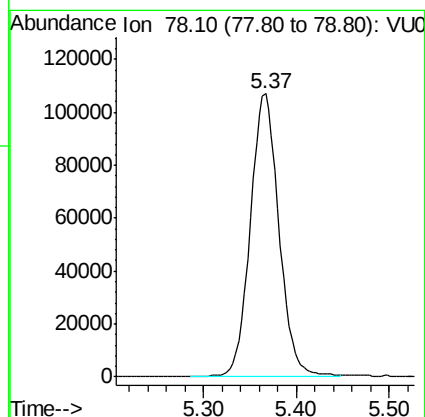
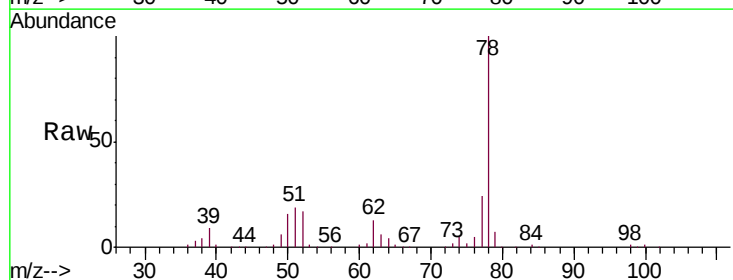
RT: 5.37 min Scan# 1330

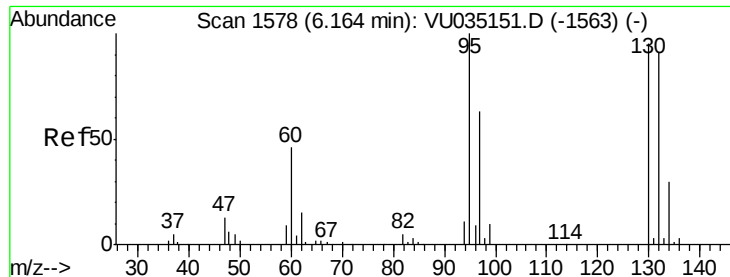
Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Tgt Ion: 78 Resp: 229931





#34

Trichloroethene

Concen: 5.021 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 95 Resp: 57525

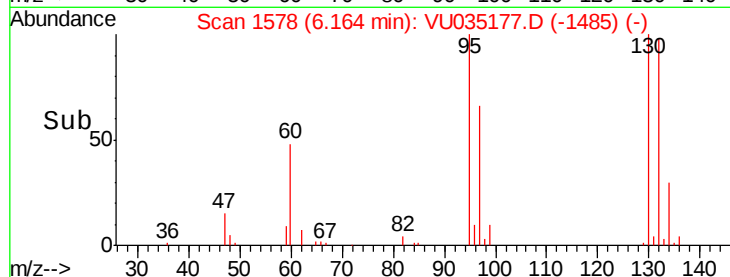
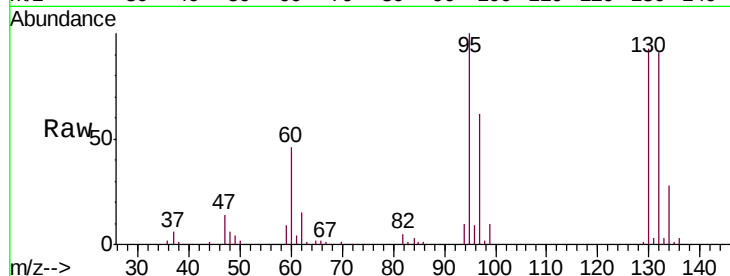
Ion Ratio Lower Upper

95 100

97 61.6 44.5 82.7

132 91.4 66.6 123.8

130 93.1 68.9 127.9



Abundance Ion 95.00 (94.70 to 95.70): VU035177.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU035177.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU035177.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU035177.D (-1485) (-)

Time-->

6.16

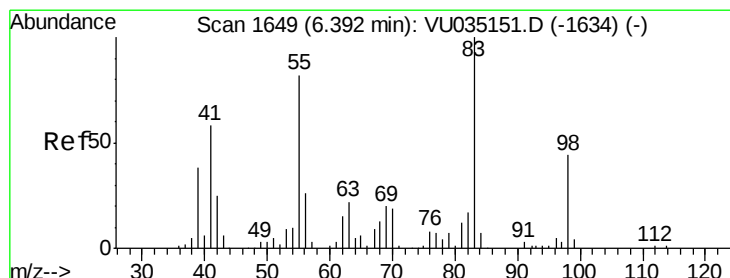
30000

20000

10000

0

6.10 6.15 6.20 6.25



#35

Methylcyclohexane

Concen: 4.435 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

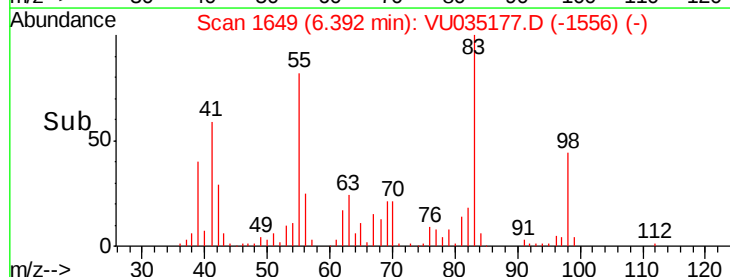
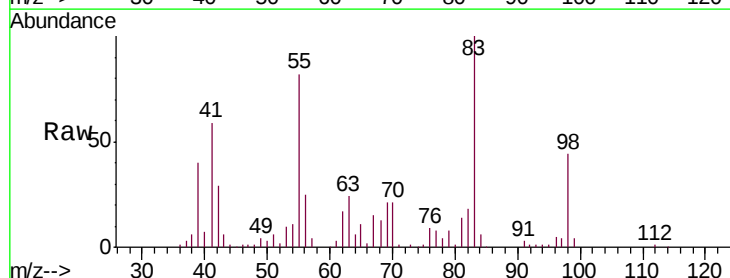
Tgt Ion: 83 Resp: 82292

Ion Ratio Lower Upper

83 100

55 83.8 62.6 94.0

98 45.4 36.2 54.2



Abundance Ion 83.15 (82.85 to 83.85): VU035177.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU035177.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU035177.D (-1556) (-)

Time-->

6.39

50000

40000

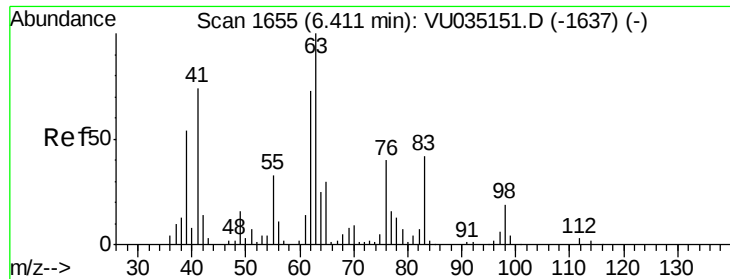
30000

20000

10000

0

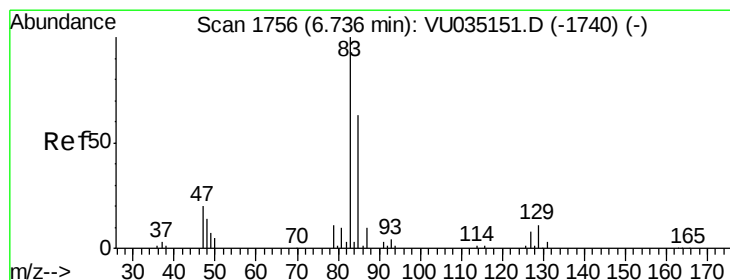
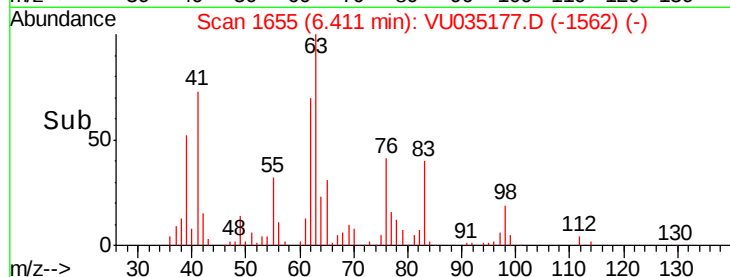
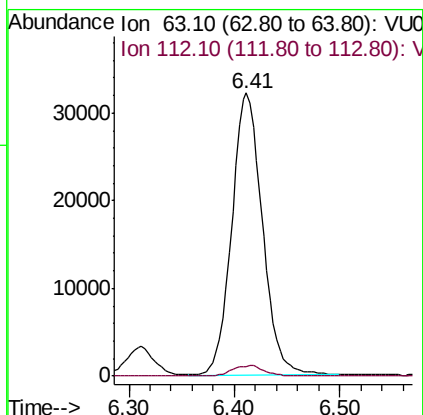
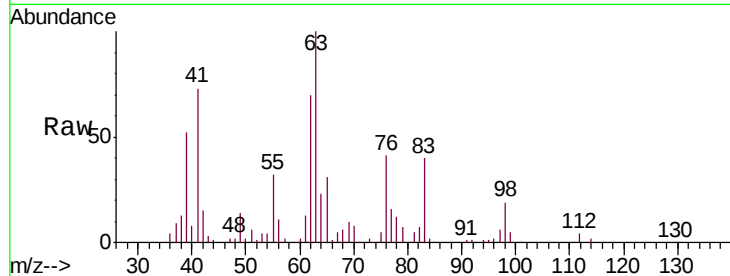
6.30 6.35 6.40 6.45



#37
 1,2-Dichloropropane
 Concen: 5.414 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

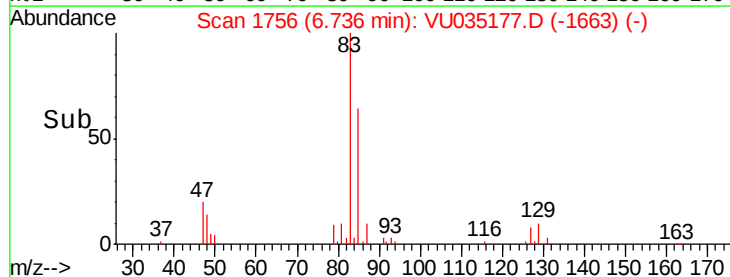
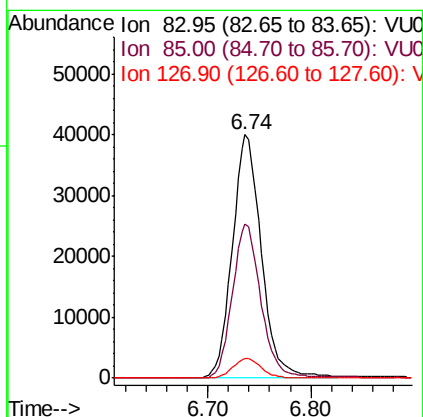
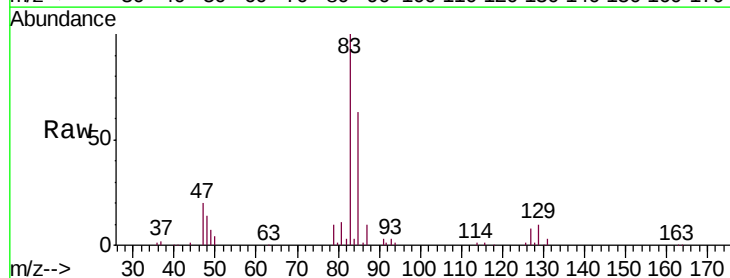
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

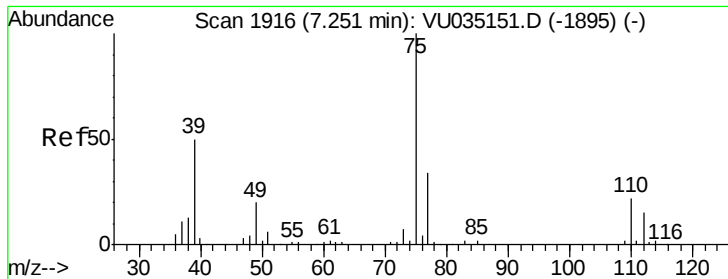
Tgt Ion: 63 Resp: 64877
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.609 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Tgt Ion: 83 Resp: 78800
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.0 81.8
 127 8.3 7.0 10.4

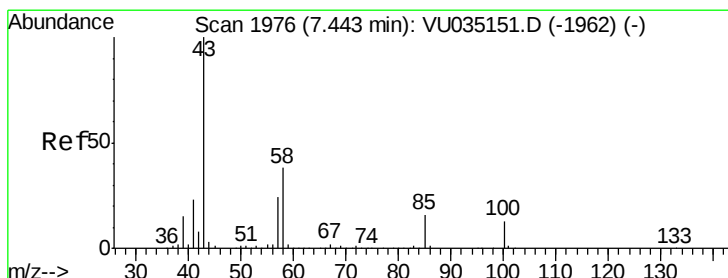
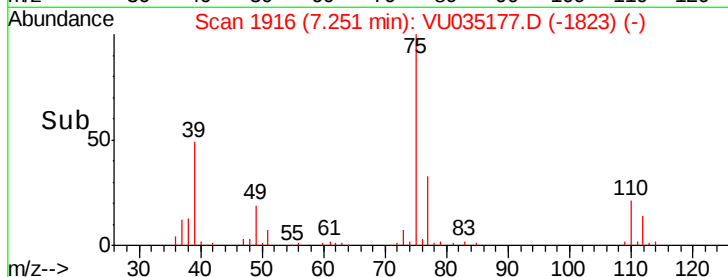
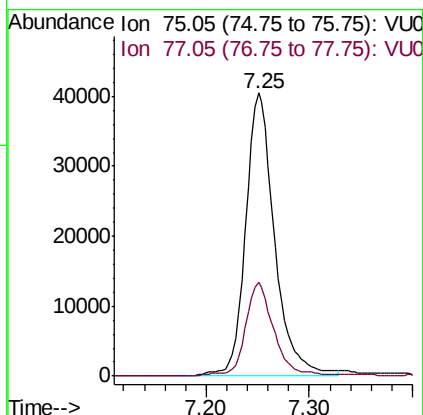
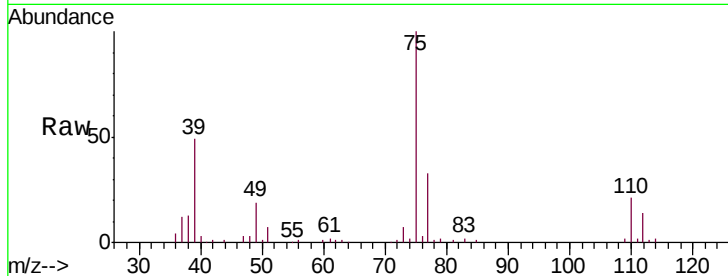




#39
 cis-1,3-Dichloropropene
 Concen: 4.866 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

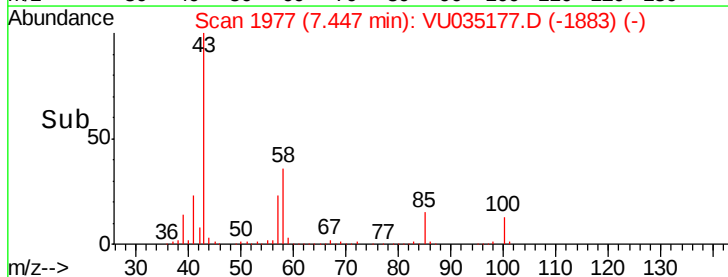
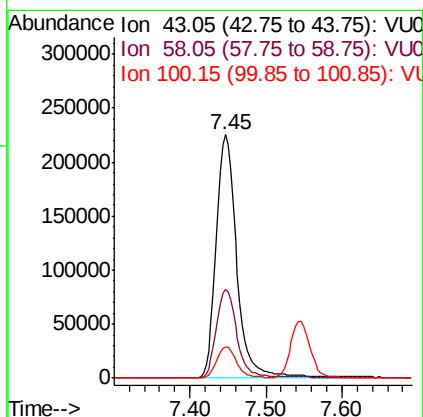
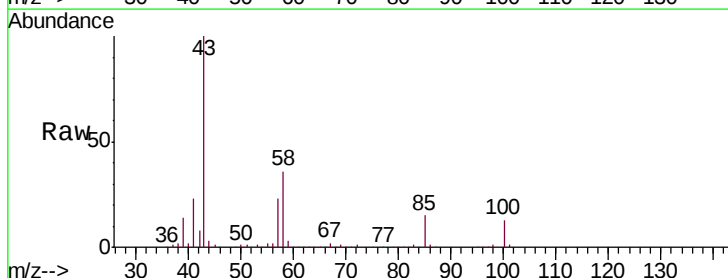
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

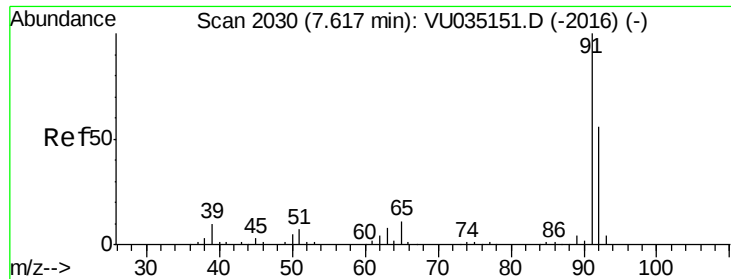
Tgt Ion: 75 Resp: 78994
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 56.359 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Tgt Ion: 43 Resp: 425061
 Ion Ratio Lower Upper
 43 100
 58 36.3 32.4 48.6
 100 12.5 11.9 17.9





#42

Toluene

Concen: 5.318 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

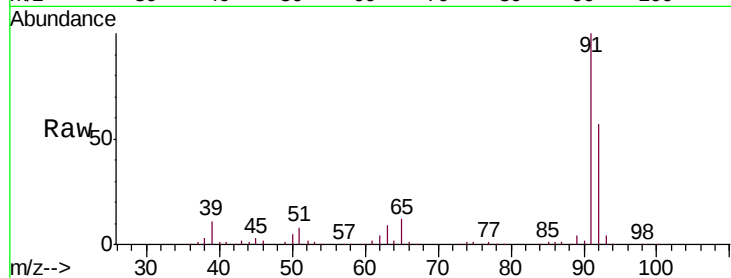
VSTD00520

Tgt Ion: 91 Resp: 246587

Ion Ratio Lower Upper

91 100

92 56.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035151.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU035151.D (-2016) (-)

7.62

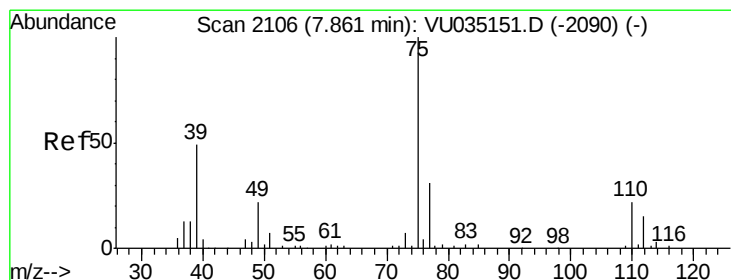
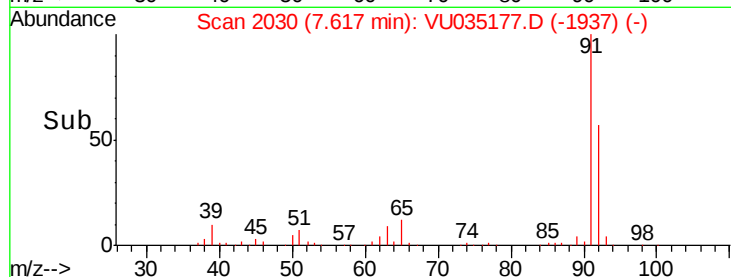
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.205 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU035177.D

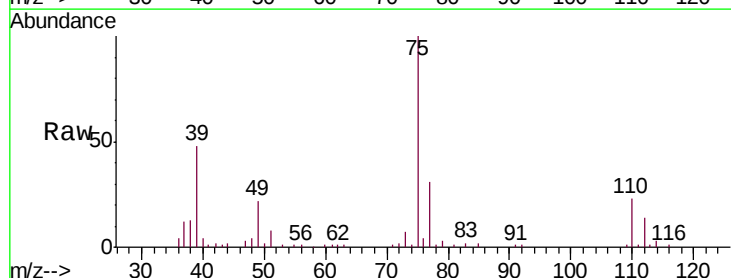
Acq: 15 Oct 2019 02:18

Tgt Ion: 75 Resp: 65441

Ion Ratio Lower Upper

75 100

77 31.0 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU035151.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU035151.D (-2090) (-)

7.86

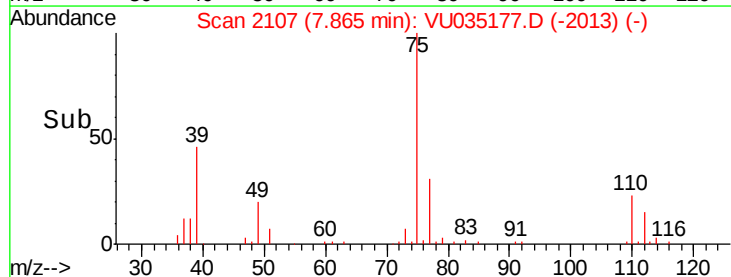
30000

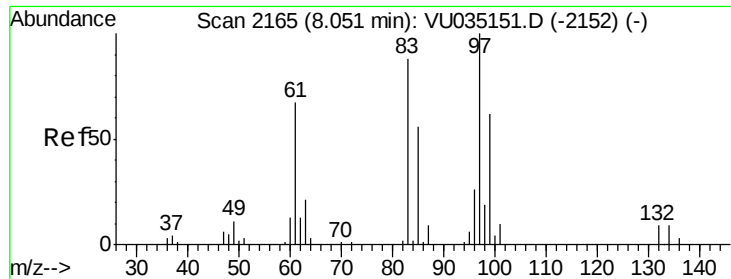
20000

10000

0

Time-->

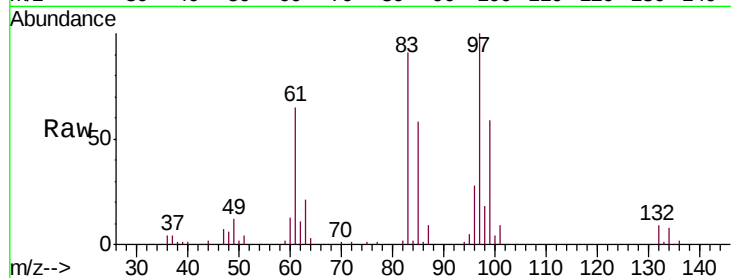




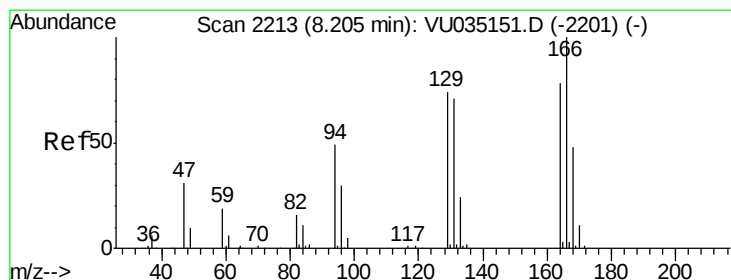
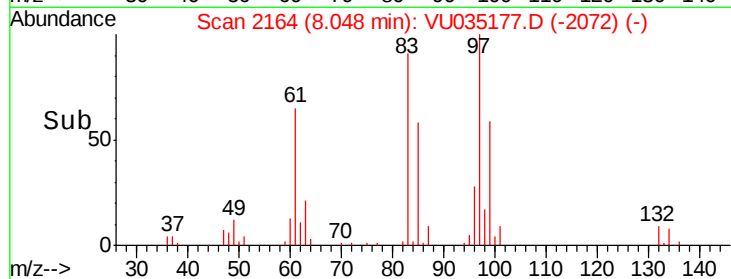
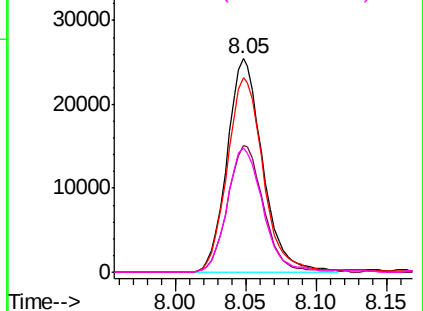
#45
1,1,2-Trichloroethane
Concen: 5.634 ug/L
RT: 8.05 min Scan# 2164
Delta R.T. -0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion: 97 Resp: 44825
Ion Ratio Lower Upper
97 100
99 59.2 42.3 78.5
83 90.9 58.0 107.6
85 58.1 37.8 70.2

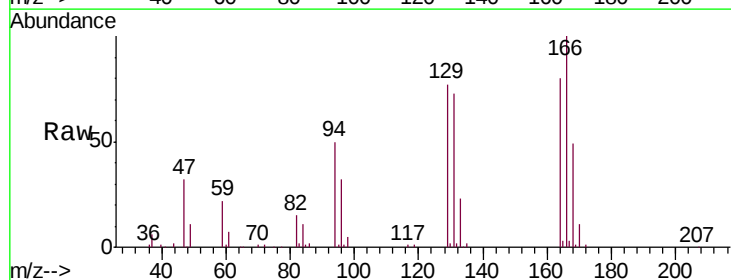


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

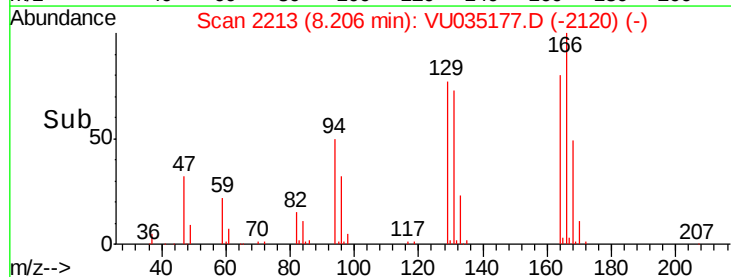
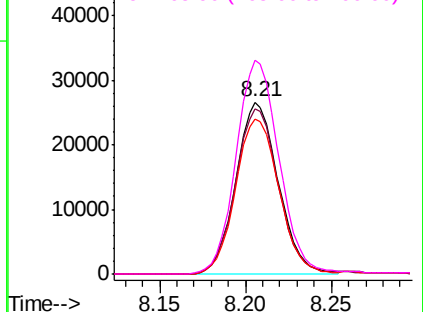


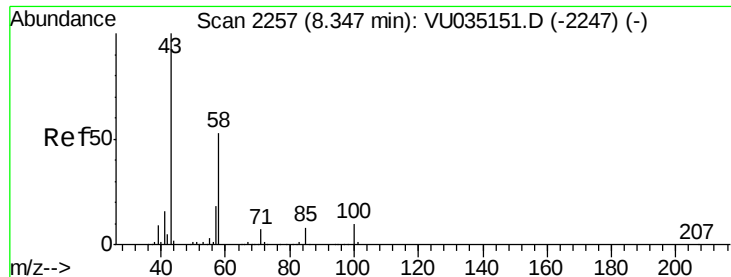
#47
Tetrachloroethene
Concen: 4.906 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

Tgt Ion: 164 Resp: 45494
Ion Ratio Lower Upper
164 100
129 96.3 68.5 127.1
131 90.4 67.3 124.9
166 124.3 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

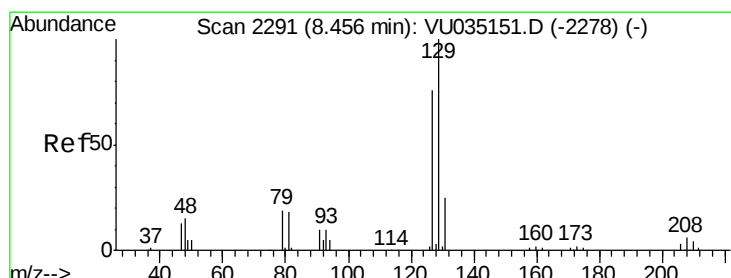
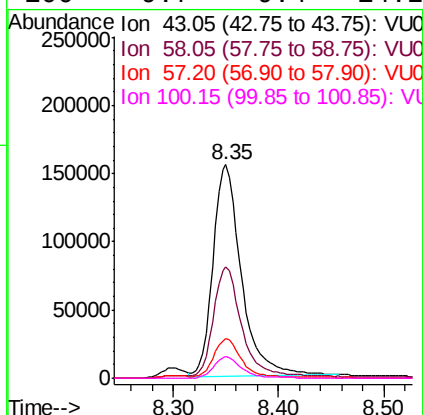
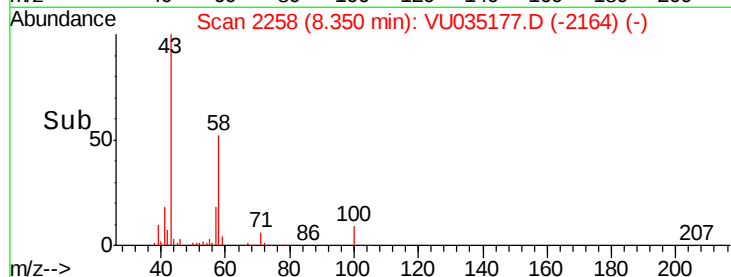
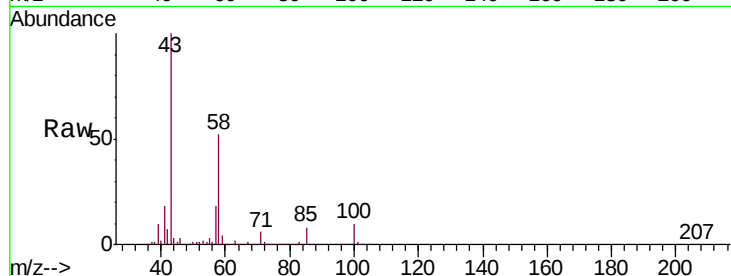




#48
2-Hexanone
Concen: 56.377 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

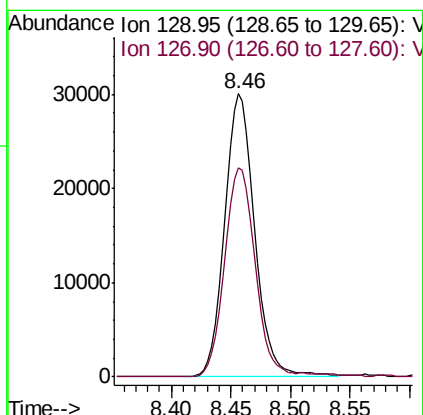
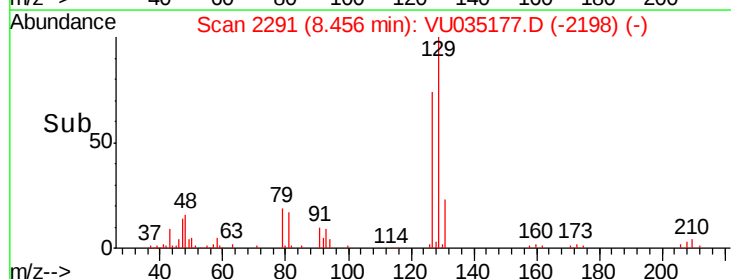
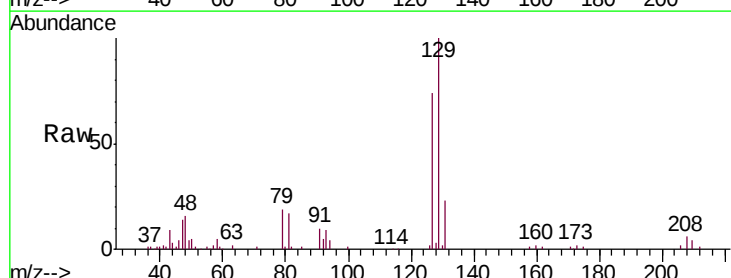
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

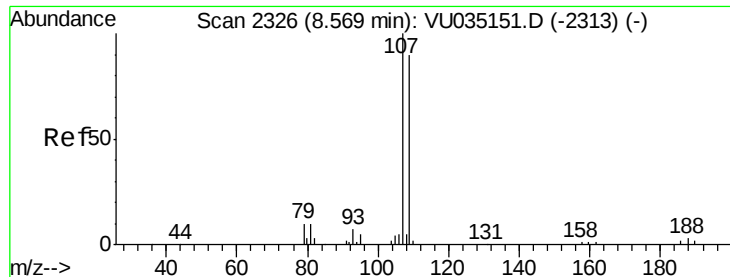
Tgt Ion: 43 Resp: 291530
Ion Ratio Lower Upper
43 100
58 53.2 44.1 66.1
57 17.9 15.8 23.8
100 9.7 9.4 14.2



#49
Dibromochloromethane
Concen: 5.741 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

Tgt Ion: 129 Resp: 52799
Ion Ratio Lower Upper
129 100
127 74.0 51.9 96.5

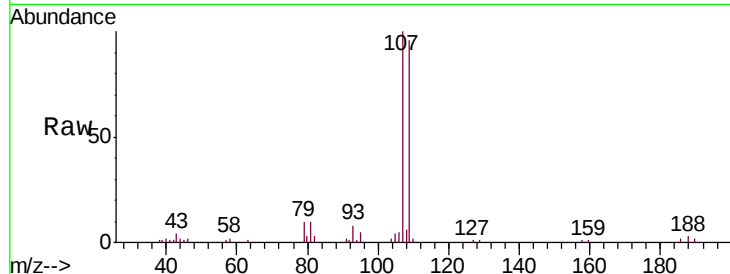




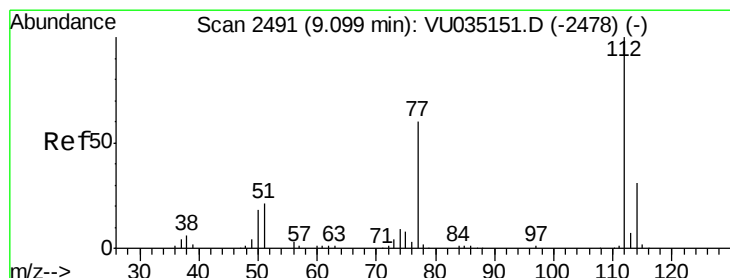
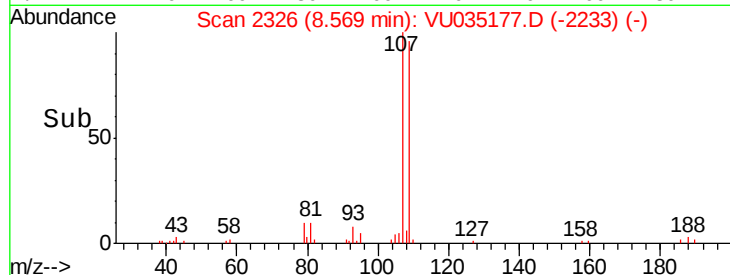
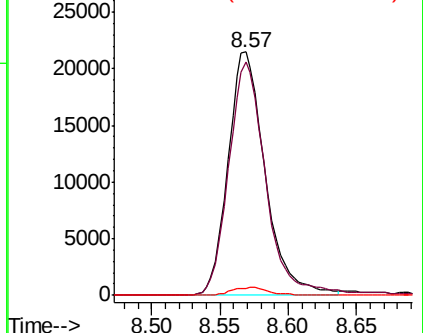
#50
1,2-Dibromoethane
Concen: 5.352 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:107 Resp: 40701
Ion Ratio Lower Upper
107 100
109 95.9 64.8 120.4
188 2.9 3.0 4.6#

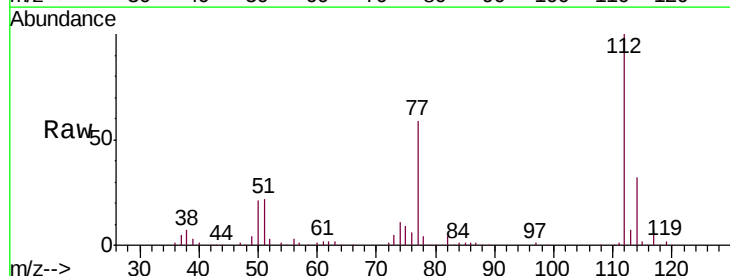


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

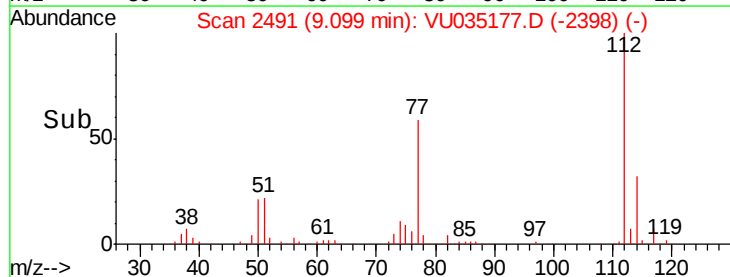
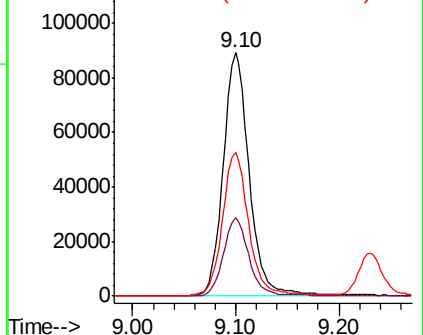


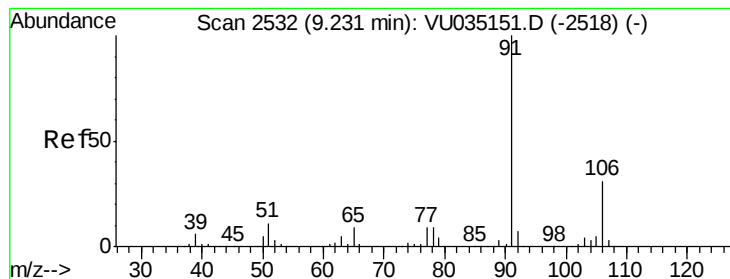
#51
Chlorobenzene
Concen: 5.232 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

Tgt Ion:112 Resp: 157216
Ion Ratio Lower Upper
112 100
114 32.1 22.1 41.1
77 59.0 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): VU





#52

Ethylbenzene

Concen: 5.025 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

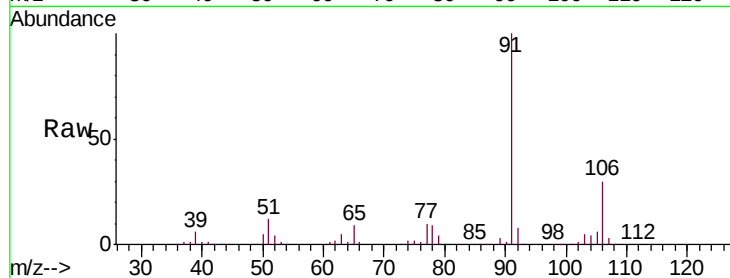
VSTD00520

Tgt Ion: 91 Resp: 257367

Ion Ratio Lower Upper

91 100

106 30.1 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU035151.D (-2518) (-)

Ion 106.15 (105.85 to 106.85): VU035151.D (-2518) (-)

9.23

150000

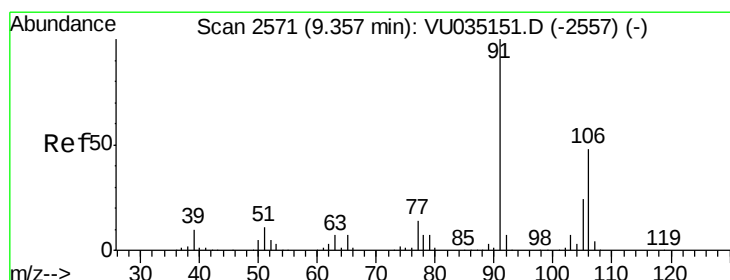
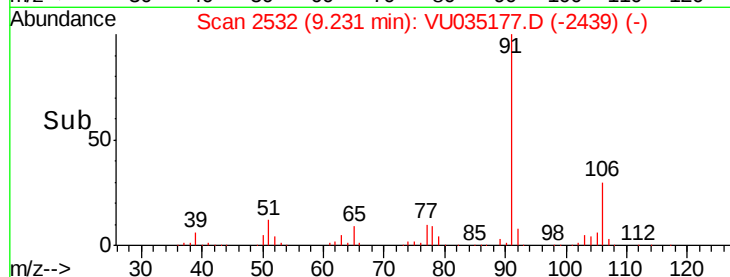
100000

50000

0

9.15 9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 4.978 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU035177.D

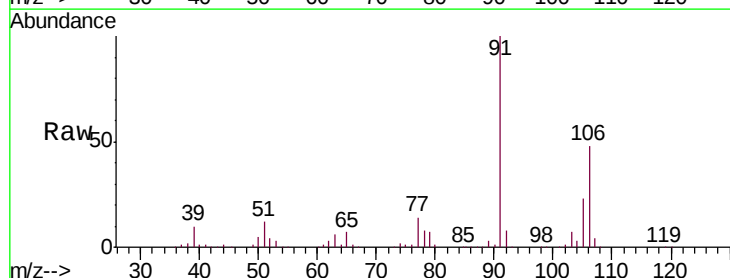
Acq: 15 Oct 2019 02:18

Tgt Ion: 106 Resp: 94170

Ion Ratio Lower Upper

106 100

91 206.2 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU035151.D (-2557) (-)

Ion 91.15 (90.85 to 91.85): VU035151.D (-2557) (-)

9.36

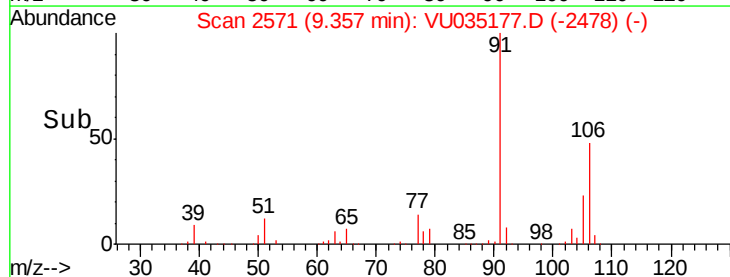
100000

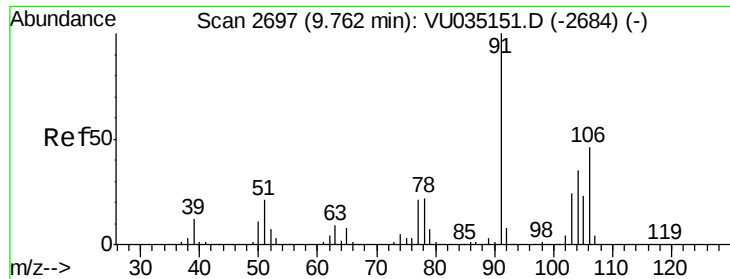
50000

0

9.30 9.35 9.40 9.45

Time-->

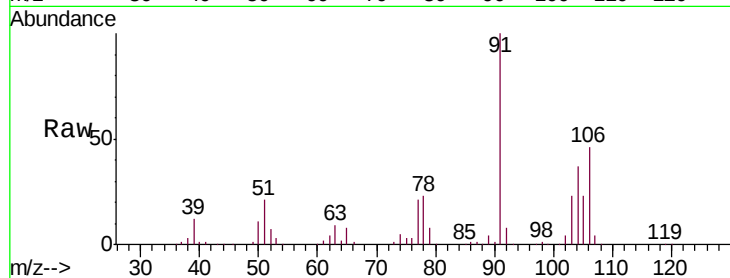




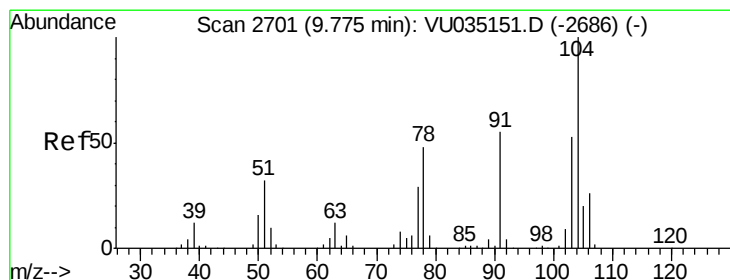
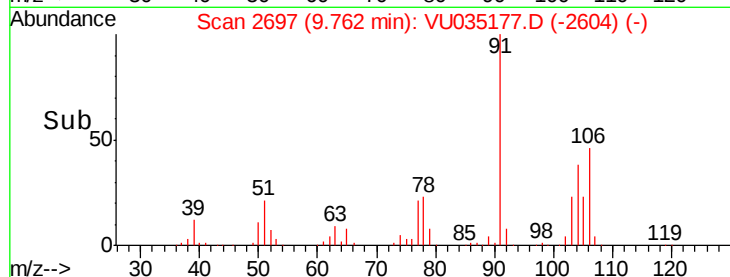
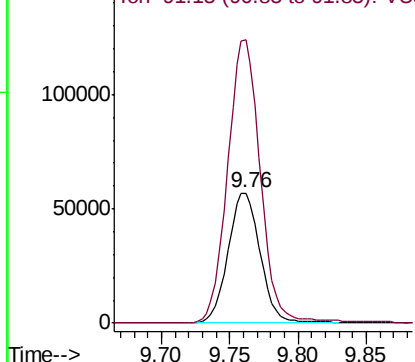
#54
o-Xylene
Concen: 5.068 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:106 Resp: 93777
Ion Ratio Lower Upper
106 100
91 217.5 148.5 275.7

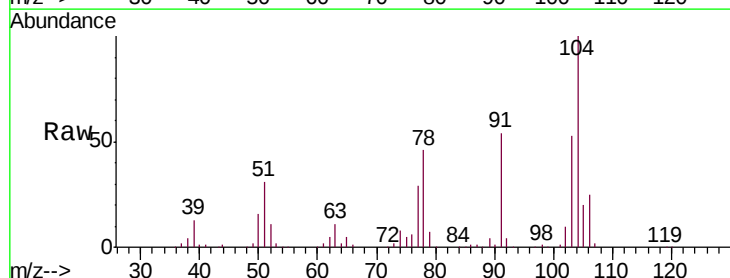


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

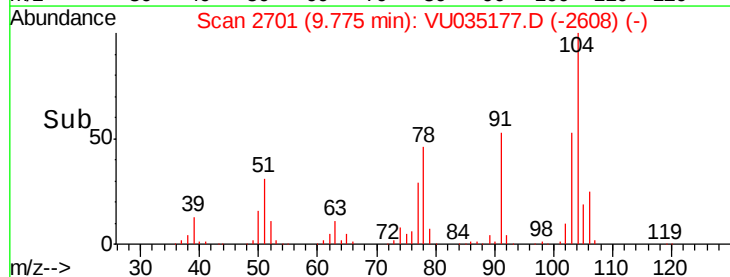
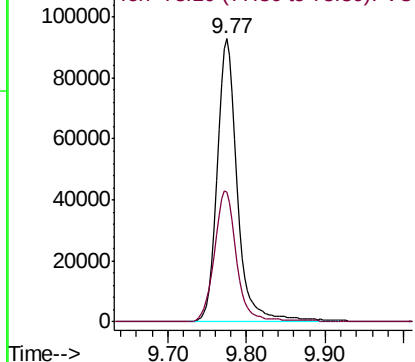


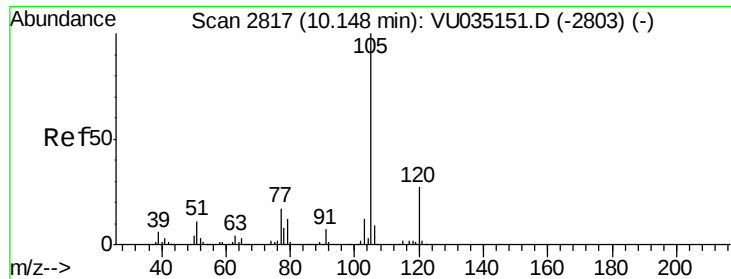
#55
Styrene
Concen: 5.502 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU035177.D
Acq: 15 Oct 2019 02:18

Tgt Ion:104 Resp: 164844
Ion Ratio Lower Upper
104 100
78 45.8 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: 5.055 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

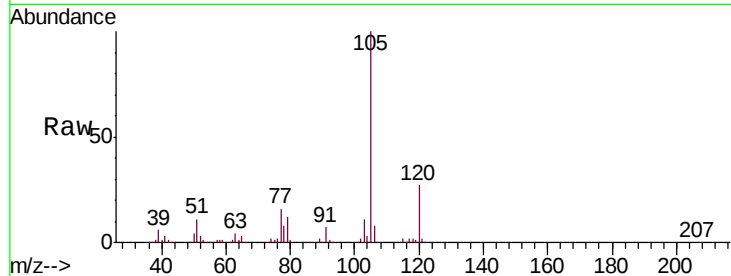
Tgt Ion: 105 Resp: 249179

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

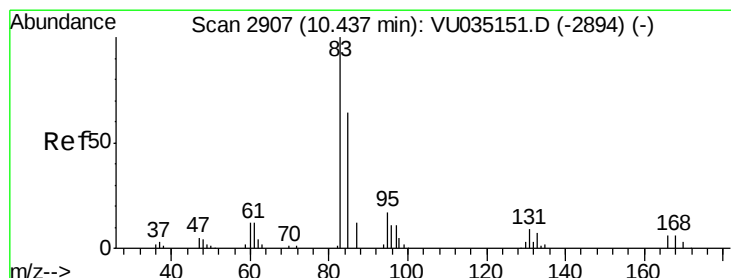
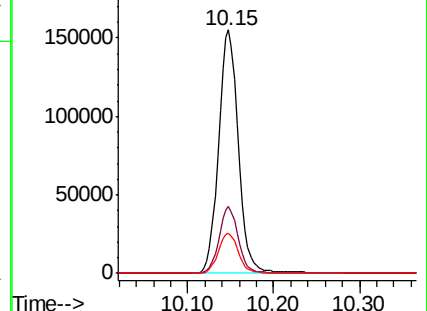
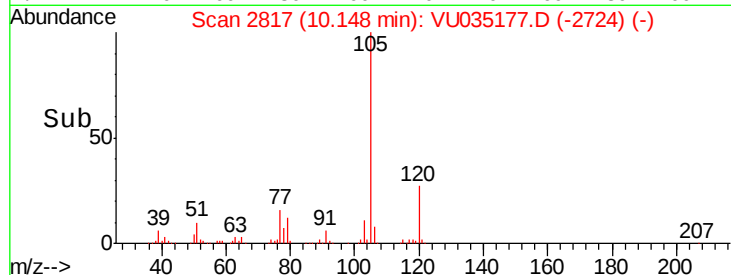
77 16.8 13.0 19.4



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: 5.584 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

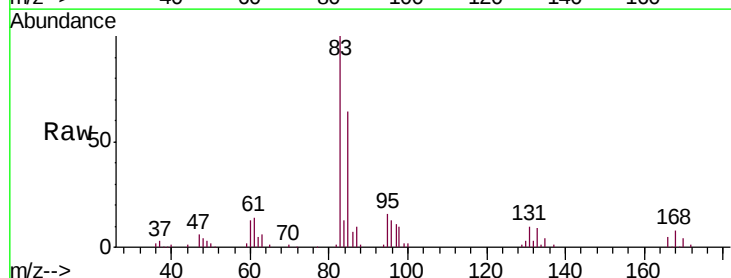
Tgt Ion: 83 Resp: 60423

Ion Ratio Lower Upper

83 100

85 64.5 44.6 82.8

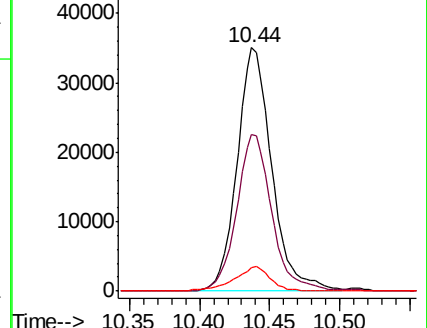
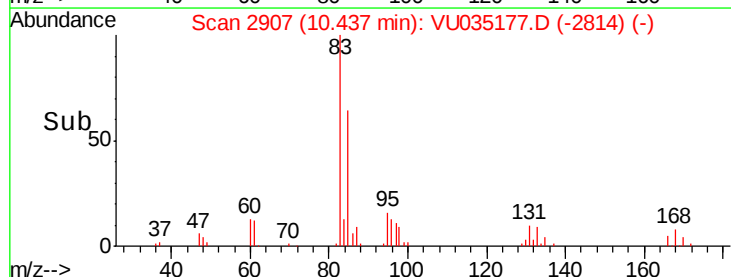
131 9.7 7.4 11.2

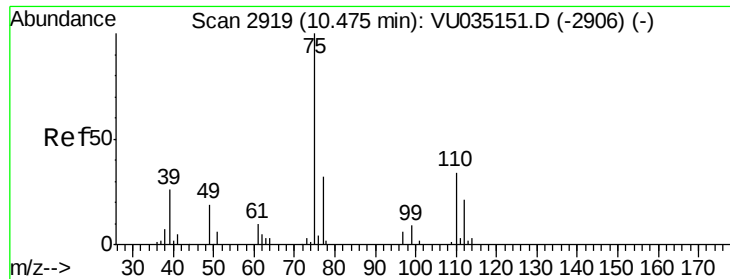


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

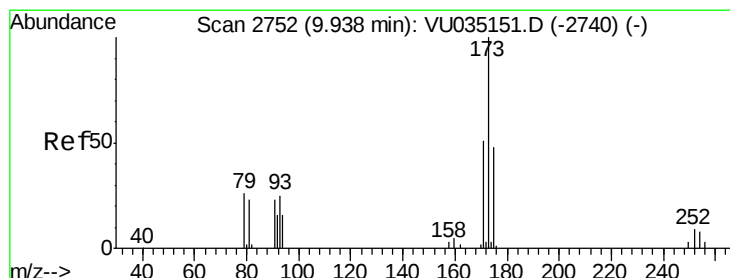
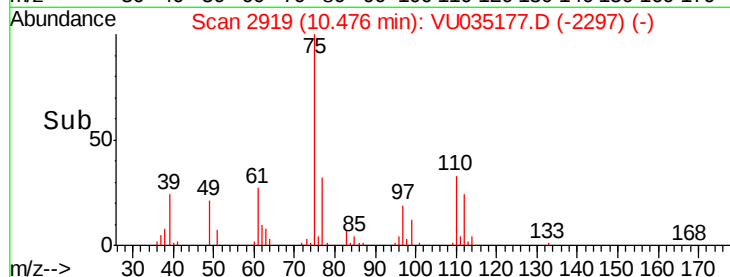
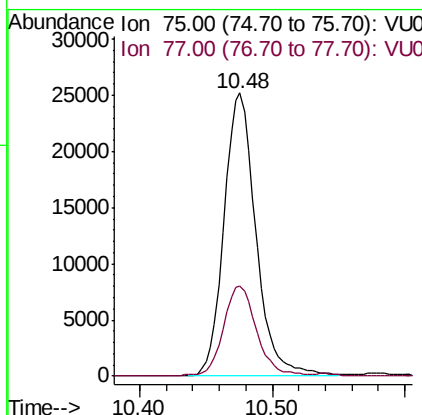
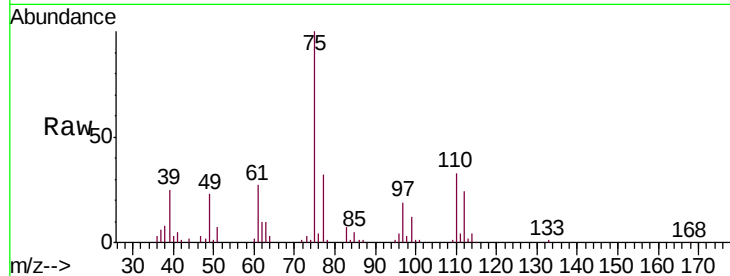




#59
 1,2,3-Trichloropropane
 Concen: 5.459 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

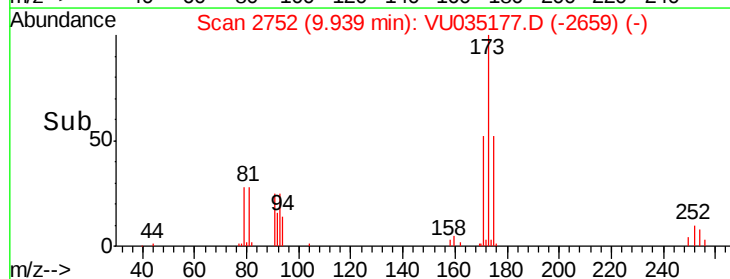
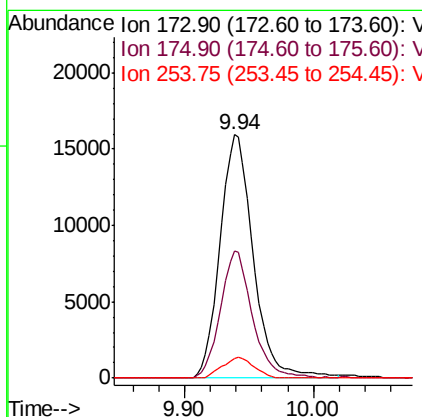
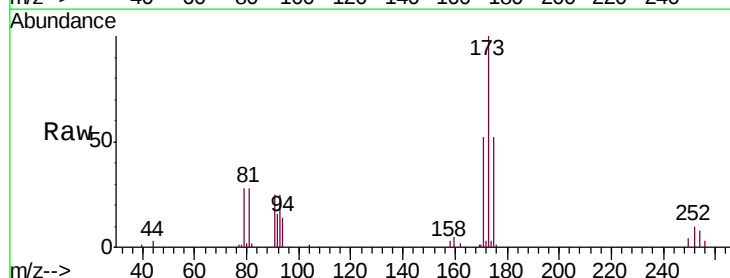
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

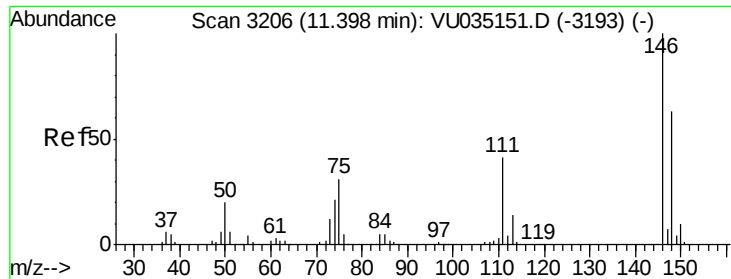
Tgt Ion: 75 Resp: 42340
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.5 39.7



#61
 Bromoform
 Concen: 5.683 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Tgt Ion: 173 Resp: 28587
 Ion Ratio Lower Upper
 173 100
 175 49.8 37.2 55.8
 254 8.1 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 5.272 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

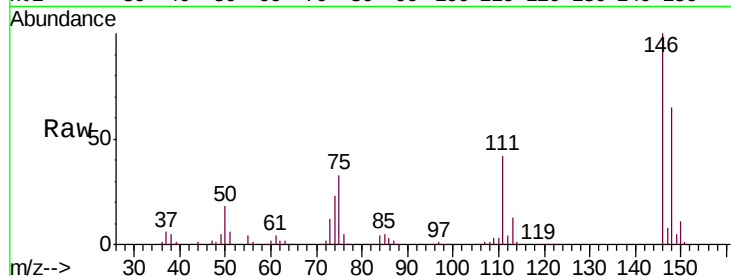
Tgt Ion:146 Resp: 119117

Ion Ratio Lower Upper

146 100

111 41.8 28.6 53.2

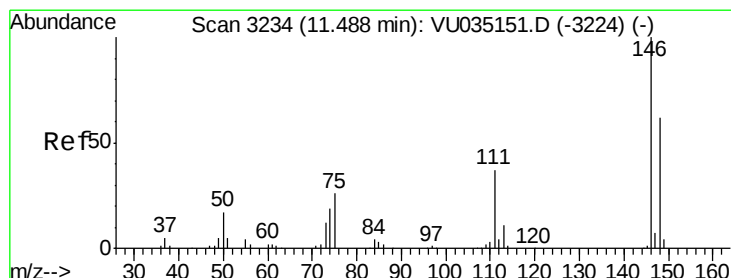
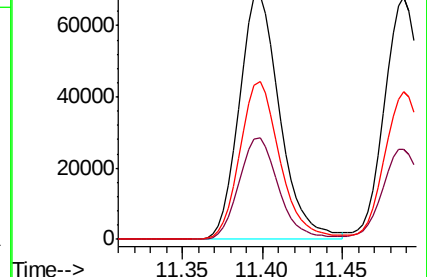
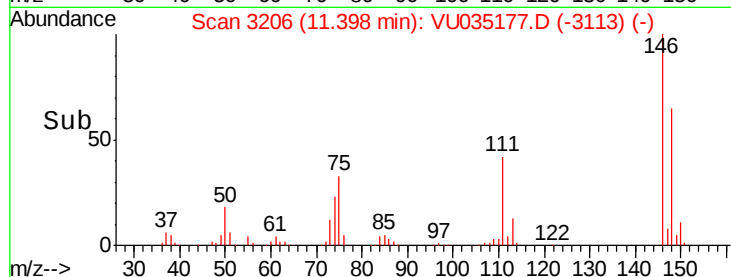
148 64.7 45.0 83.6



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: 5.276 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

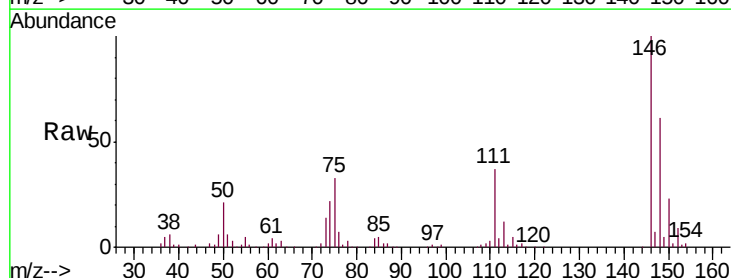
Tgt Ion:146 Resp: 120315

Ion Ratio Lower Upper

146 100

111 37.4 27.9 51.7

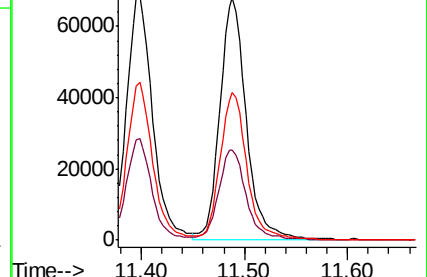
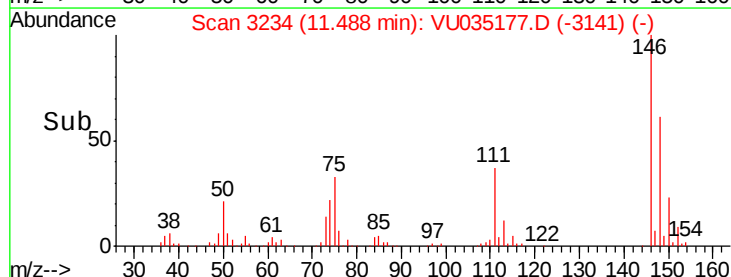
148 60.8 44.1 81.9

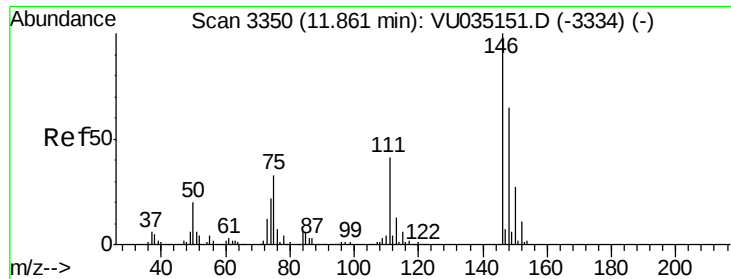


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

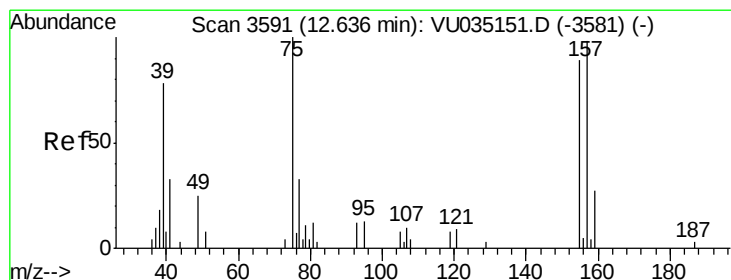
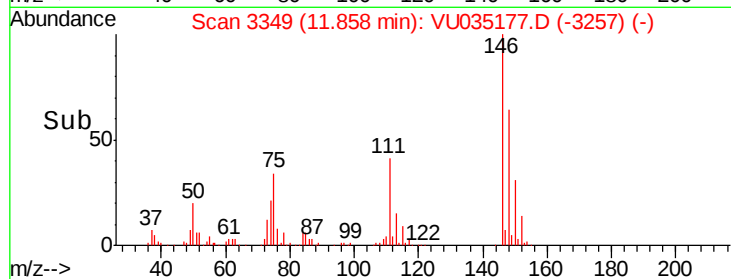
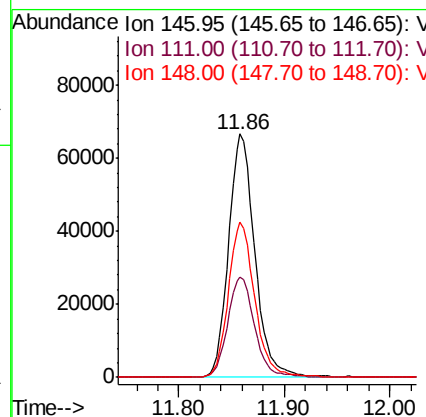
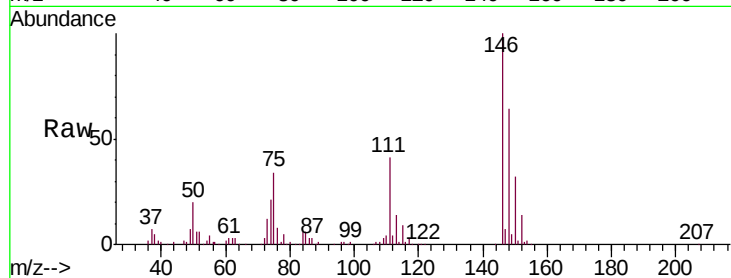




#65
 1,2-Dichlorobenzene
 Concen: 5.273 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

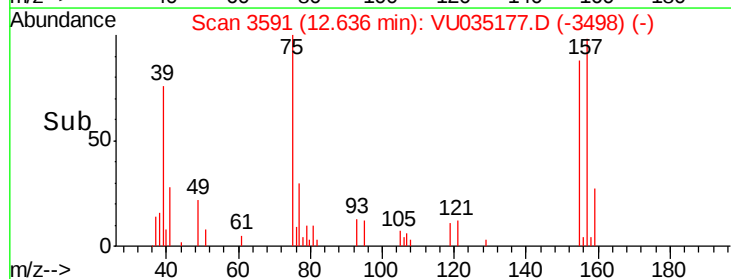
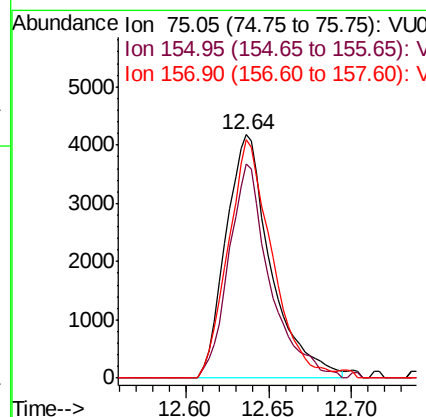
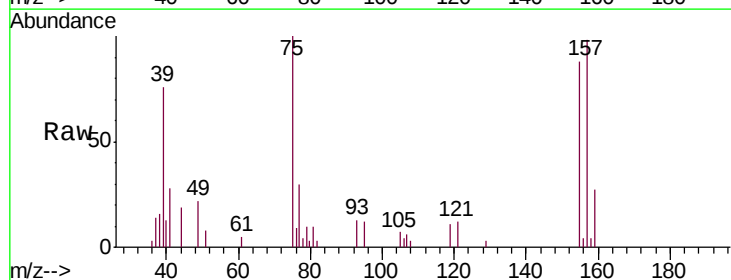
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

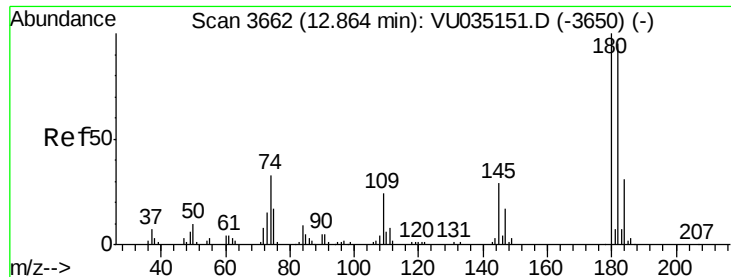
Tgt Ion: 146 Resp: 114965
 Ion Ratio Lower Upper
 146 100
 111 41.3 34.2 51.4
 148 63.6 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.697 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU035177.D
 Acq: 15 Oct 2019 02:18

Tgt Ion: 75 Resp: 7893
 Ion Ratio Lower Upper
 75 100
 155 88.1 67.1 100.7
 157 97.9 83.7 125.5





#67

1,3,5-Trichlorobenzene

Concen: 4.755 ug/L

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion:180 Resp: 72747

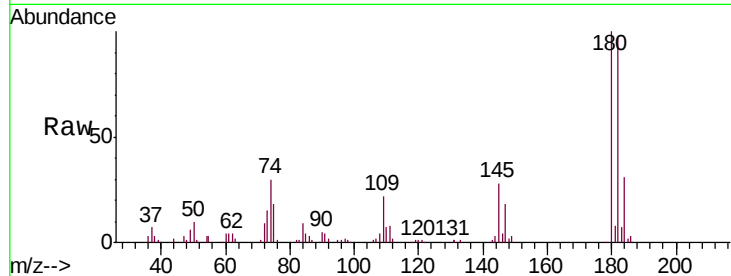
Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

184 30.3 24.2 36.2

145 28.6 24.6 37.0

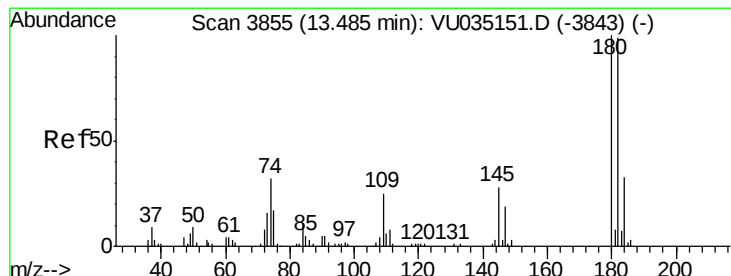
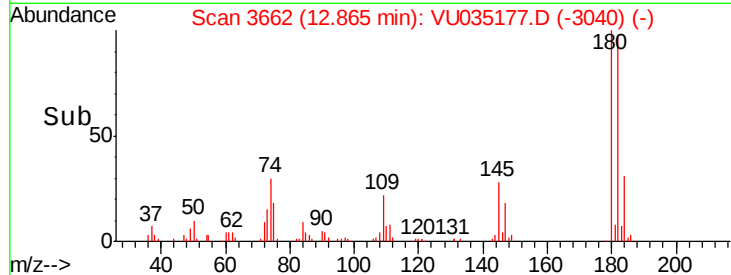
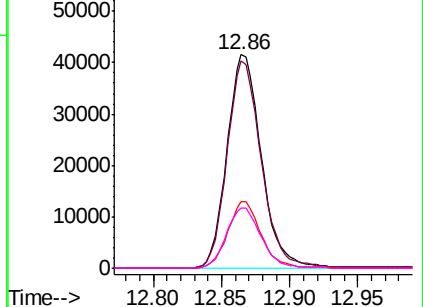


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.228 ug/L

RT: 13.48 min Scan# 3854

Delta R.T. -0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

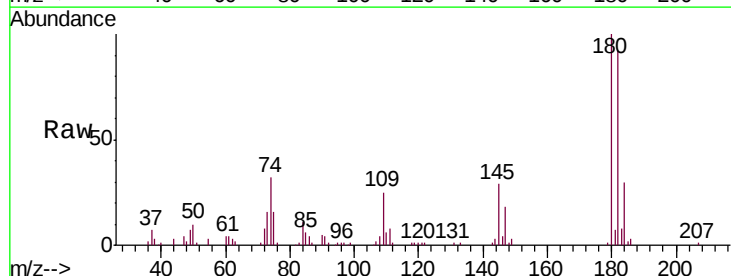
Tgt Ion:180 Resp: 48303

Ion Ratio Lower Upper

180 100

182 94.9 77.3 115.9

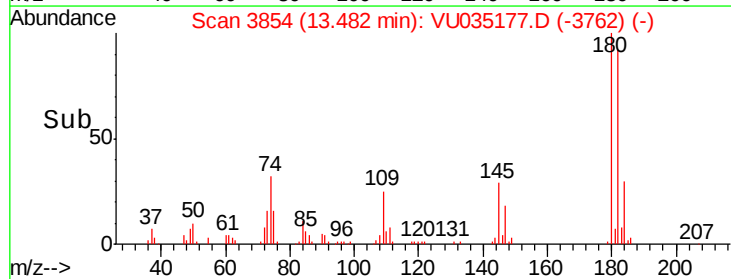
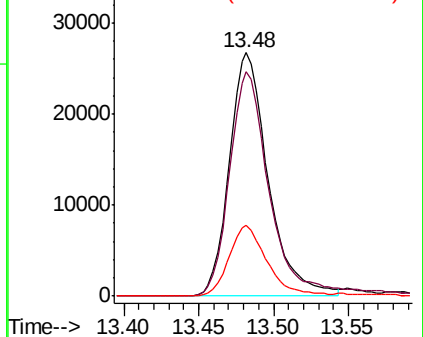
145 28.5 24.5 36.7

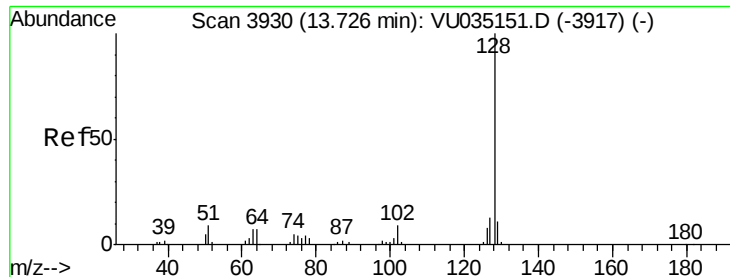


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.516 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

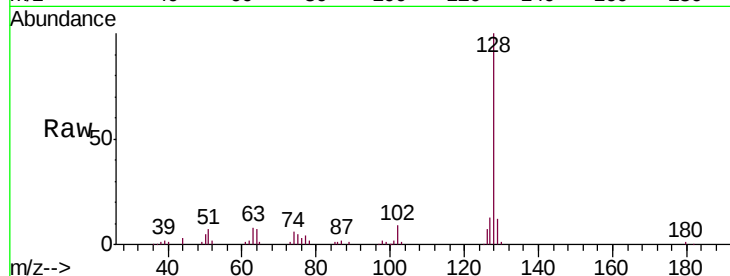
Tgt Ion:128 Resp: 62470

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

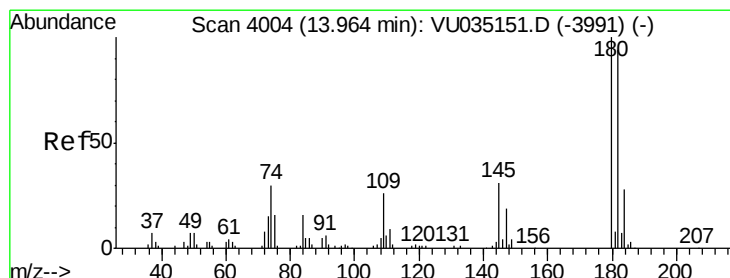
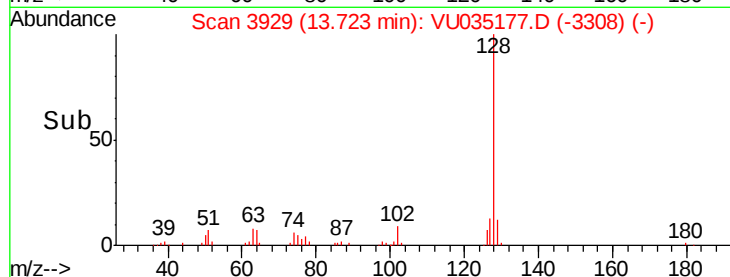
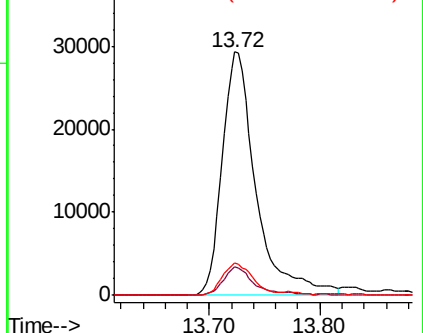
127 11.9 10.6 15.8



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: 4.725 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. 0.00 min

Lab File: VU035177.D

Acq: 15 Oct 2019 02:18

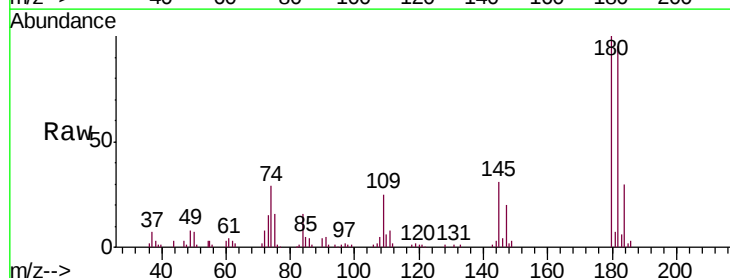
Tgt Ion:180 Resp: 52500

Ion Ratio Lower Upper

180 100

182 91.8 77.0 115.4

145 28.8 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

