

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120319\
 Data File : VU035959.D
 Acq On : 03 Dec 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Quant Time: Dec 04 03:40:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 04 03:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	331096	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	344517	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	165926	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	175777	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.93	69	141487	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.59	63	253567	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.70	46	317011	47.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.86%
24) Chloroform-d	5.11	84	249089	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.75	65	128626	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.77	84	496159	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.73	67	155167	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.93	98	454977	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.21	79	63228	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.68	63	261841	49.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.78%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	130344	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	158562	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	176243	5.140	ug/L 99
3) Chloromethane	1.54	50	194794	4.975	ug/L 100
5) Vinyl chloride	1.62	62	201117	5.085	ug/L 94
6) Bromomethane	1.87	94	112898	4.978	ug/L 97
8) Chloroethane	1.95	64	116616	4.755	ug/L 98
9) Trichlorofluoromethane	2.16	101	242020	5.211	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	132492	5.207	ug/L 97
12) 1,1-Dichloroethene	2.61	96	123558	5.207	ug/L 92
13) Acetone	2.68	43	228110	37.750	ug/L 99
14) Carbon disulfide	2.82	76	418955	5.040	ug/L 99
15) Methyl Acetate	3.00	43	58586	5.410	ug/L 95
16) Methylene chloride	3.08	84	161709	4.400	ug/L 100
17) Methyl tert-butyl Ether	3.42	73	284032	5.109	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	130258	5.184	ug/L 99
19) 1,1-Dichloroethane	3.92	63	252433	5.139	ug/L 98
21) 2-Butanone	4.77	43	371015	47.830	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	138470	5.216	ug/L 96

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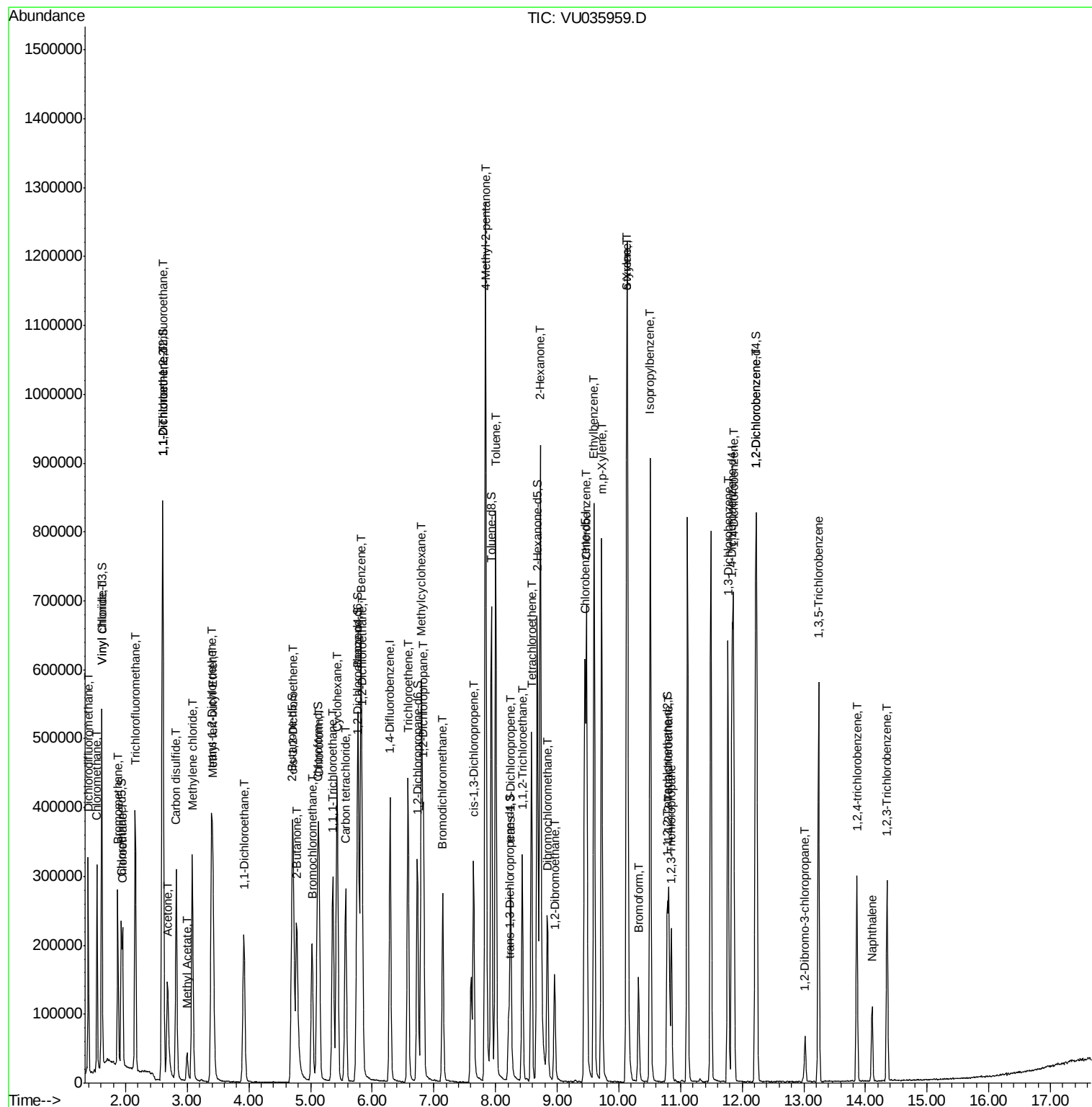
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	65781	5.414	ug/L	97
25) Chloroform	5.14	83	256275	5.171	ug/L	99
27) 1,2-Dichloroethane	5.84	62	157566	4.974	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	213321	5.120	ug/L	99
30) Cyclohexane	5.43	56	204683	4.974	ug/L	99
31) Carbon tetrachloride	5.57	117	192702	5.216	ug/L	98
33) Benzene	5.82	78	568336	5.246	ug/L	100
34) Trichloroethene	6.58	95	154631	5.644	ug/L	97
35) Methylcyclohexane	6.80	83	204771	4.985	ug/L	99
37) 1,2-Dichloropropane	6.83	63	149356	5.091	ug/L	99
38) Bromodichloromethane	7.14	83	180648	5.145	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	194611	5.000	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	854952	49.586	ug/L	100
42) Toluene	8.00	91	603031	5.329	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	164249	4.936	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	102860	5.150	ug/L	98
47) Tetrachloroethene	8.58	164	117533	5.278	ug/L	93
48) 2-Hexanone	8.73	43	642767	50.469	ug/L	99
49) Dibromochloromethane	8.84	129	124696	5.120	ug/L	97
50) 1,2-Dibromoethane	8.96	107	101031	5.213	ug/L	94
51) Chlorobenzene	9.47	112	365923	5.178	ug/L	98
52) Ethylbenzene	9.60	91	590193	5.159	ug/L	100
53) m,p-Xylene	9.72	106	230315	5.333	ug/L	100
54) o-Xylene	10.13	106	219949	5.428	ug/L	98
55) Styrene	10.14	104	374969	5.502	ug/L	95
56) Isopropylbenzene	10.51	105	568411	5.351	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	132528	4.945	ug/L	95
59) 1,2,3-Trichloropropane	10.85	75	97193	5.097	ug/L	98
61) Bromoform	10.32	173	74181	4.840	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	276464	5.010	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	269995	4.929	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	261136	4.951	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17803	4.333	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	183352	4.868	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	94745	4.694	ug/L	99
69) Naphthalene	14.11	128	85002	3.698	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	92970	4.651	ug/L	98

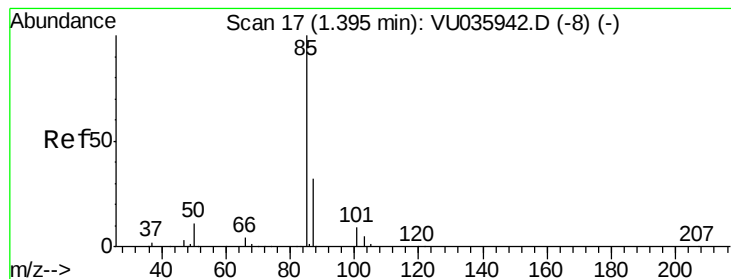
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.140 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

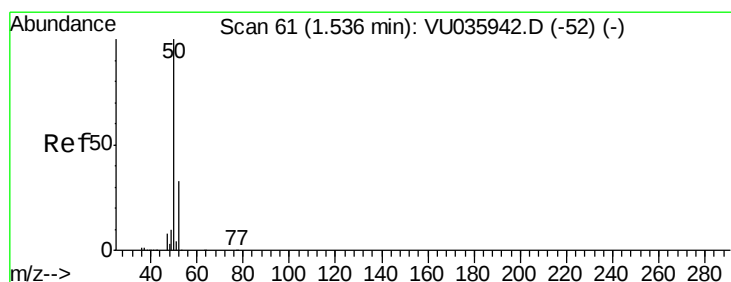
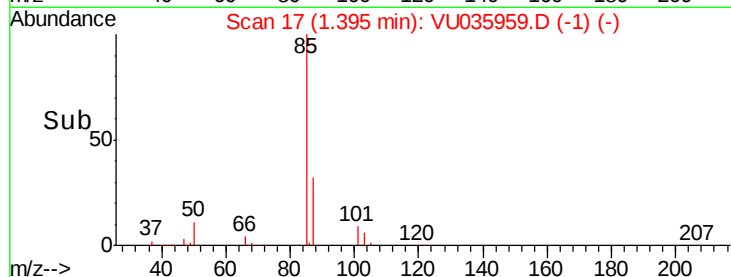
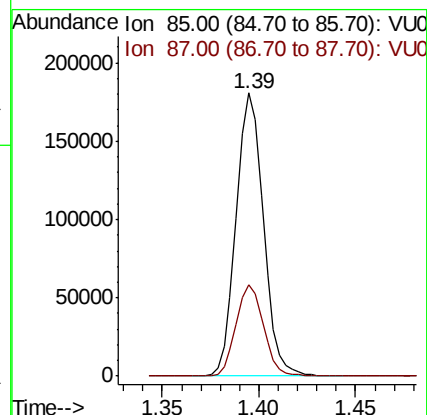
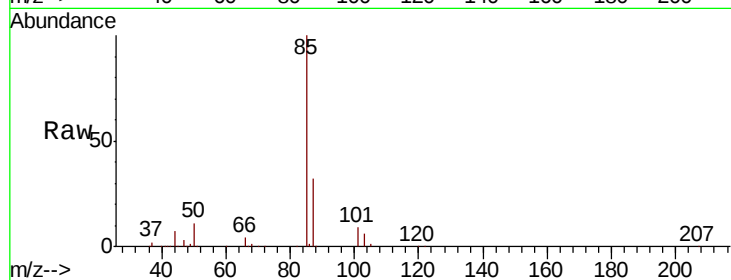
VSTD00519

Tot Ion: 85 Resp: 176243

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



#3

Chloromethane

Concen: 4.975 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035959.D

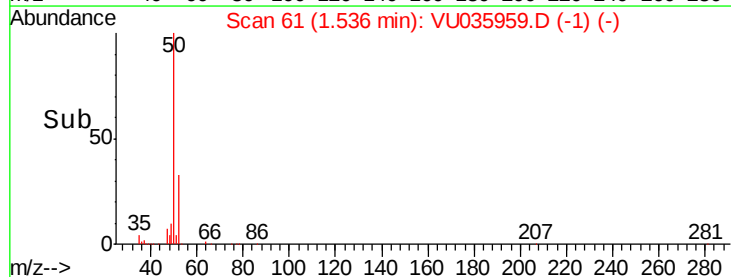
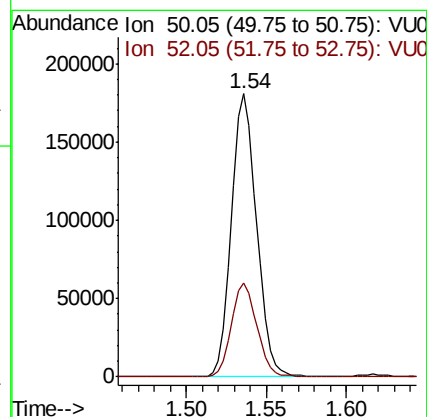
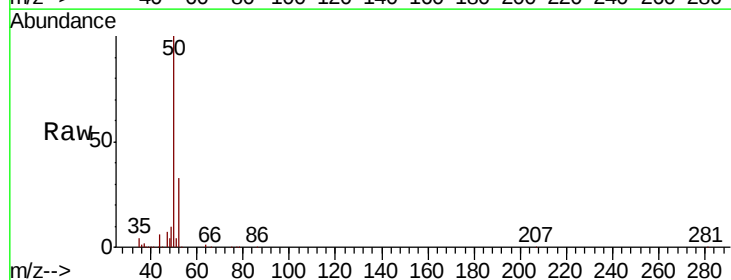
Acq: 03 Dec 2019 19:57

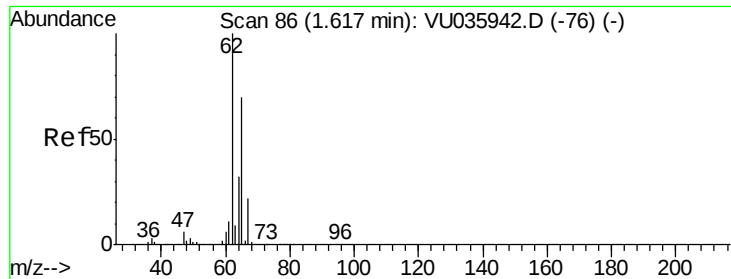
Tgt Ion: 50 Resp: 194794

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9





#5

Vinyl chloride

Concen: 5.085 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

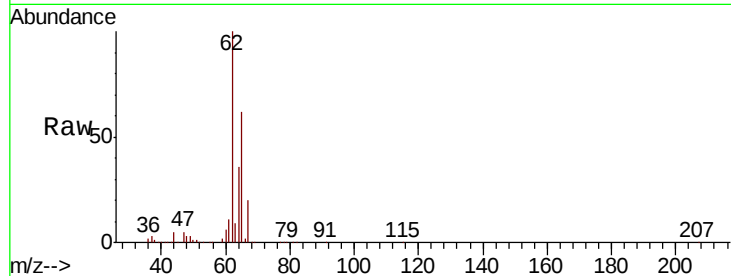
VSTD00519

Tot Ion: 62 Resp: 201117

Ion Ratio Lower Upper

62 100

64 36.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU035942.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU035942.D (-76) (-)

1.62

200000

150000

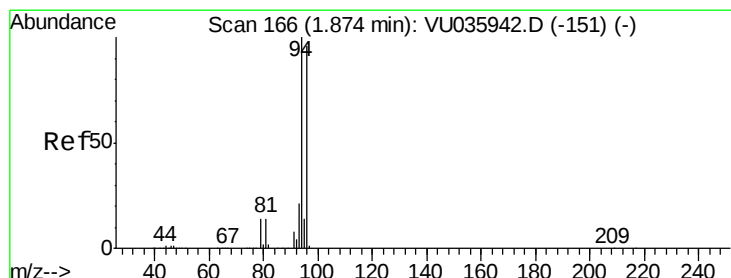
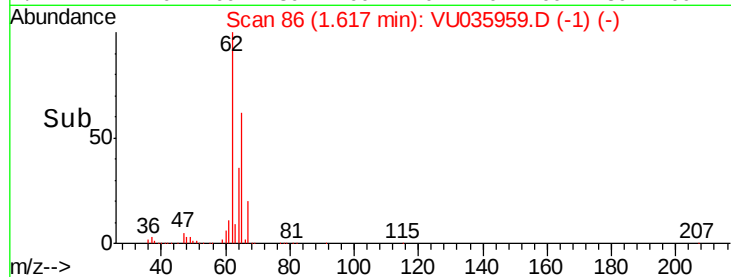
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 4.978 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035959.D

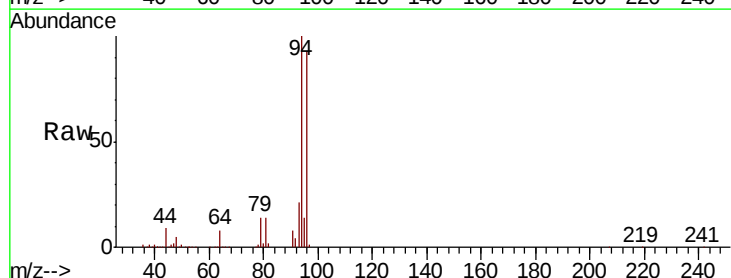
Acq: 03 Dec 2019 19:57

Tgt Ion: 94 Resp: 112898

Ion Ratio Lower Upper

94 100

96 92.7 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU035942.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU035942.D (-151) (-)

1.87

100000

80000

60000

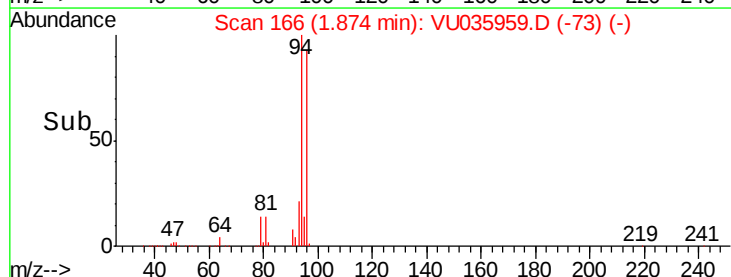
40000

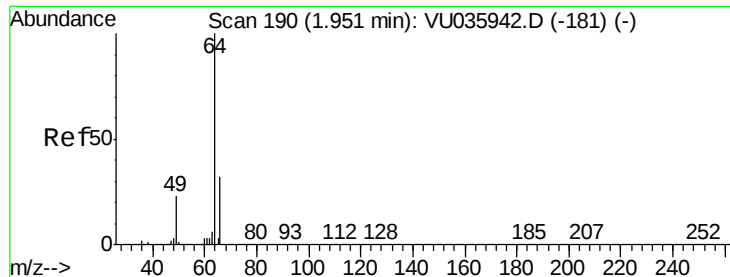
20000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 4.755 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

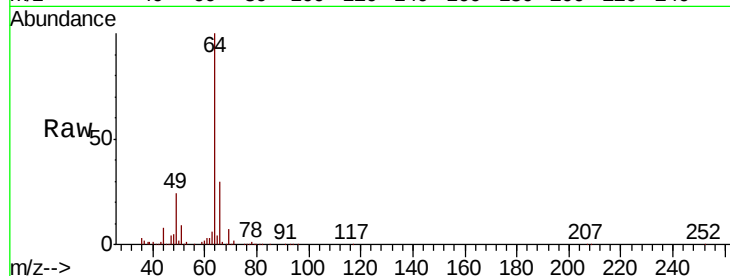
VSTD00519

Tot Ion: 64 Resp: 116616

Ion Ratio Lower Upper

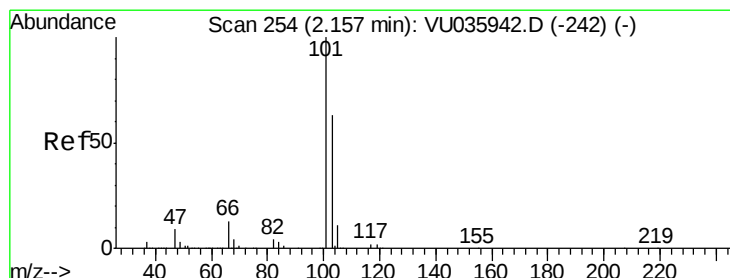
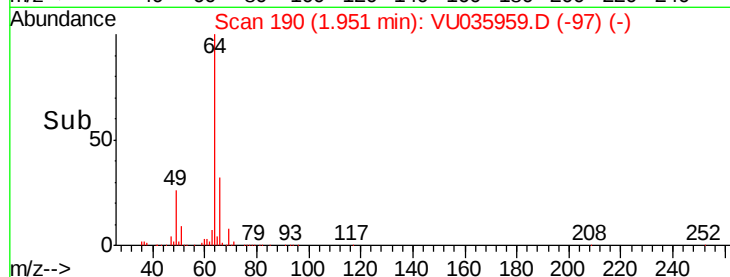
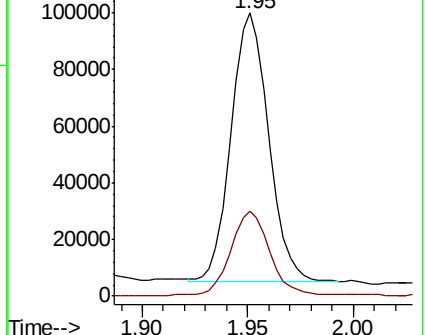
64 100

66 30.1 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU035942.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU035942.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 5.211 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU035959.D

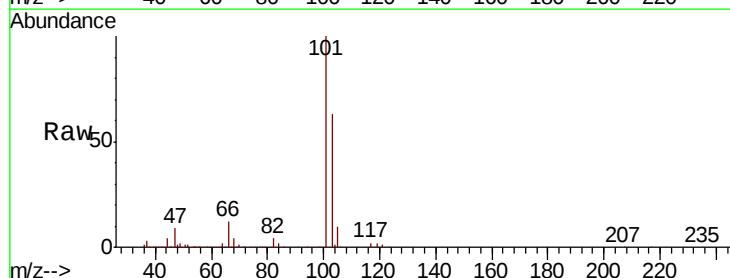
Acq: 03 Dec 2019 19:57

Tgt Ion: 101 Resp: 242020

Ion Ratio Lower Upper

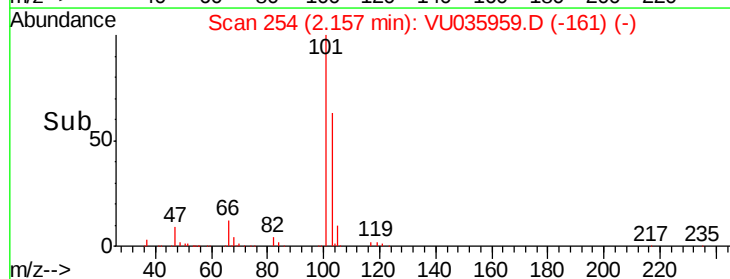
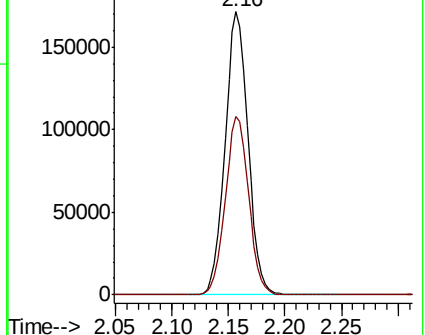
101 100

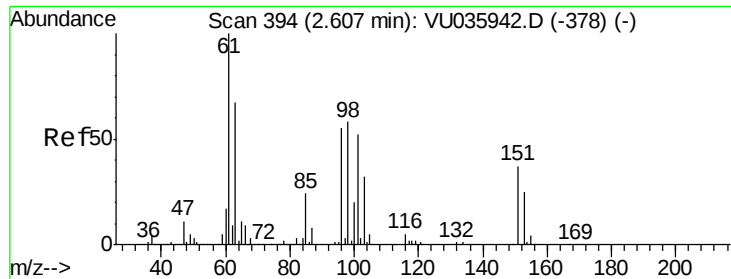
103 64.2 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU035942.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU035942.D (-242) (-)





#10

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

Concen: 5.207 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

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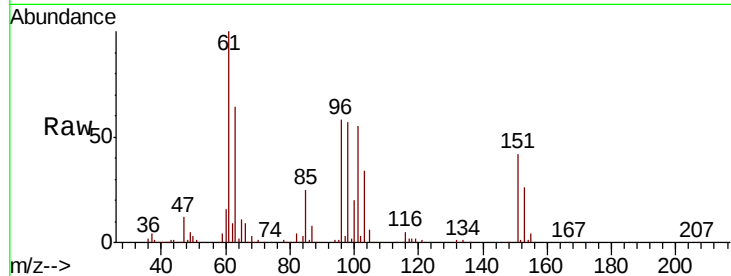
Tot Ion:101 Resp: 132492

Ion Ratio Lower Upper

101 100

85 44.2 35.5 53.3

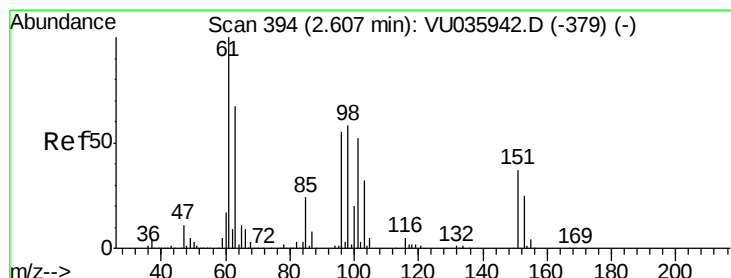
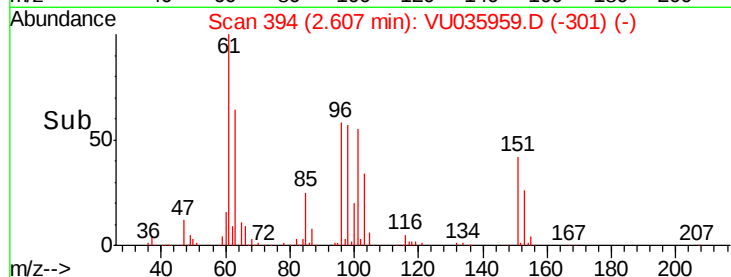
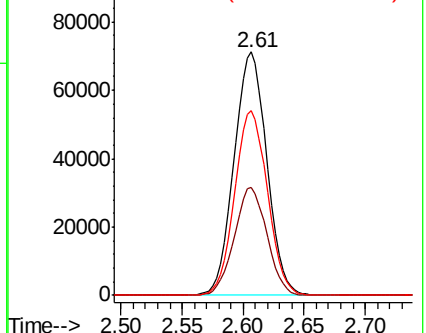
151 75.8 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): VU035942.D (-378) (-)

Ion 85.00 (84.70 to 85.70): VU035942.D (-378) (-)

Ion 151.00 (150.70 to 151.70): VU035942.D (-378) (-)



#12

1,1-Dichloroethene

Concen: 5.207 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

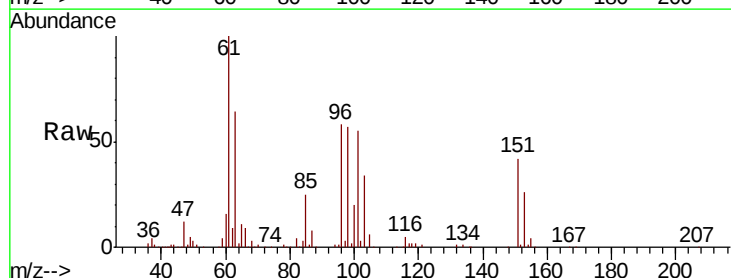
Tgt Ion: 96 Resp: 123558

Ion Ratio Lower Upper

96 100

61 172.5 127.1 236.1

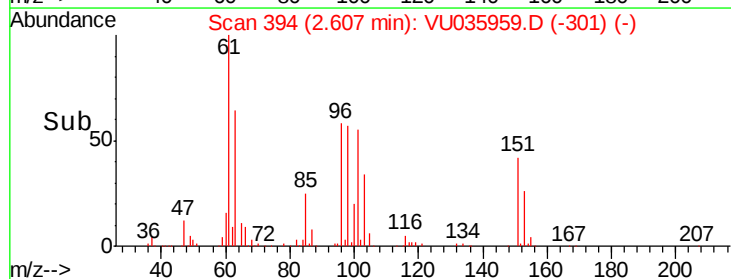
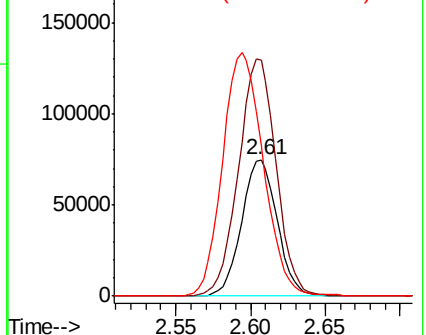
63 109.9 86.0 159.8

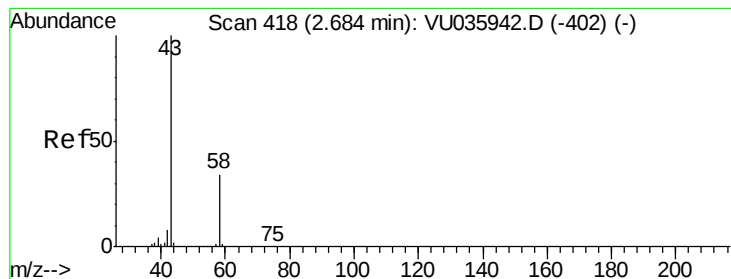


Abundance Ion 96.00 (95.70 to 96.70): VU035942.D (-379) (-)

Ion 61.05 (60.75 to 61.75): VU035942.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU035942.D (-379) (-)





#13

Acetone

Concen: 37.750 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU035959.D

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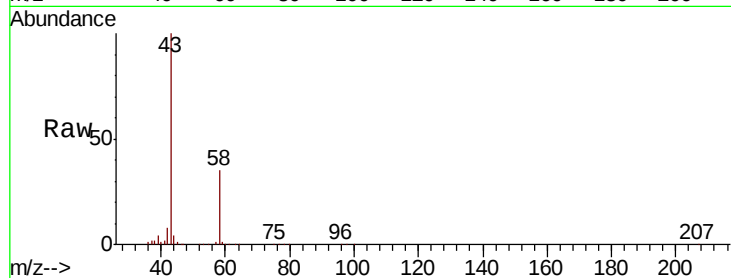
VSTD00519

Tot Ion: 43 Resp: 228110

Ion Ratio Lower Upper

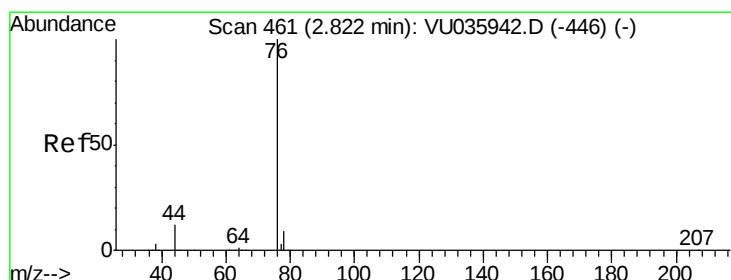
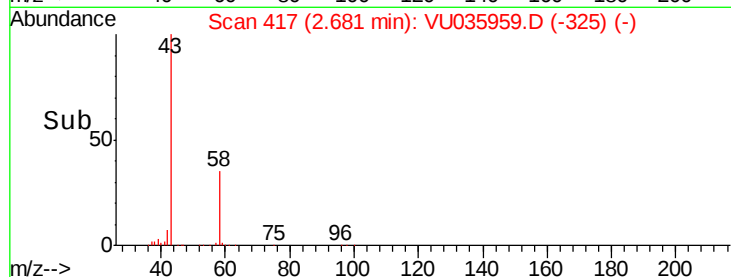
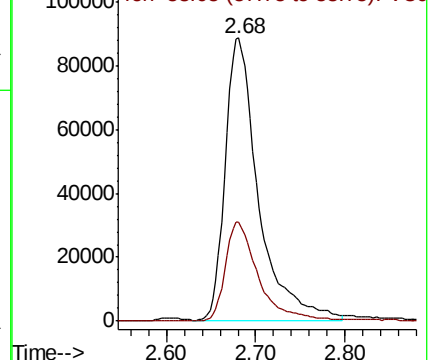
43 100

58 35.1 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035942.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035942.D (-402) (-)



#14

Carbon disulfide

Concen: 5.040 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035959.D

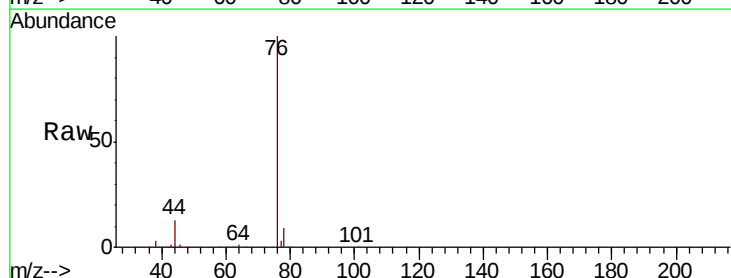
Acq: 03 Dec 2019 19:57

Tgt Ion: 76 Resp: 418955

Ion Ratio Lower Upper

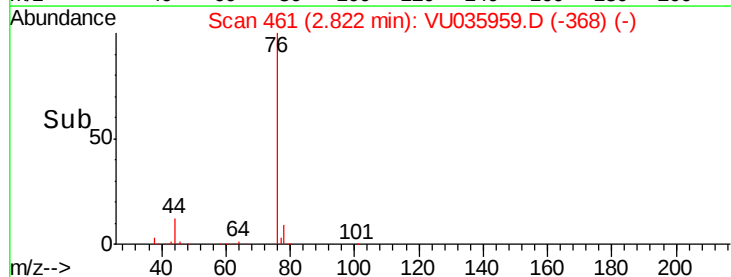
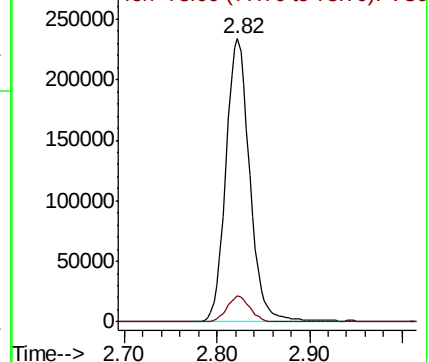
76 100

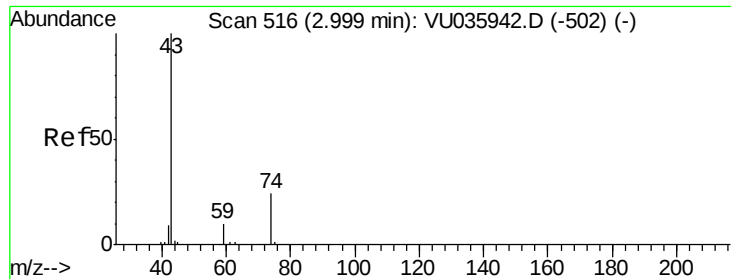
78 9.0 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU035942.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035942.D (-446) (-)

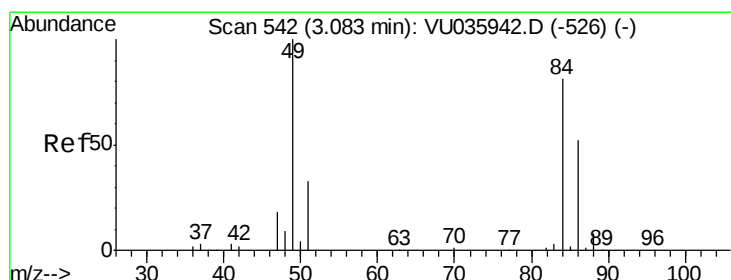
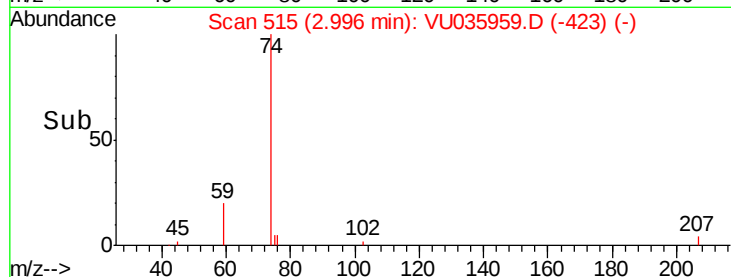
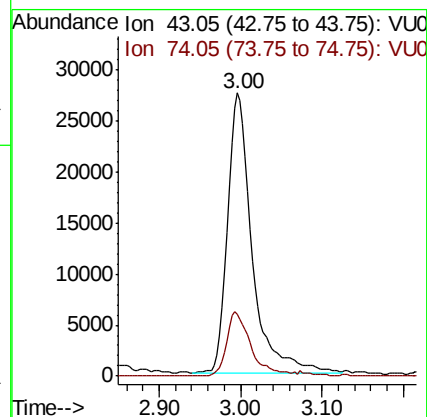
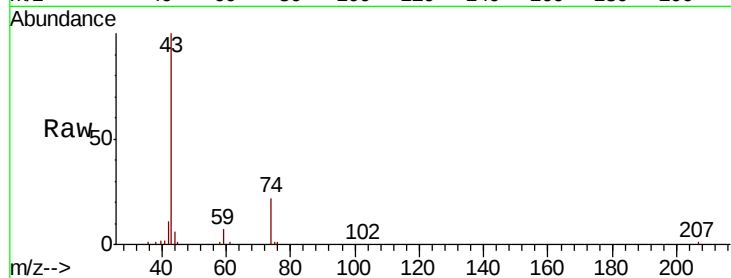




#15
Methvl Acetate
Concen: 5.410 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

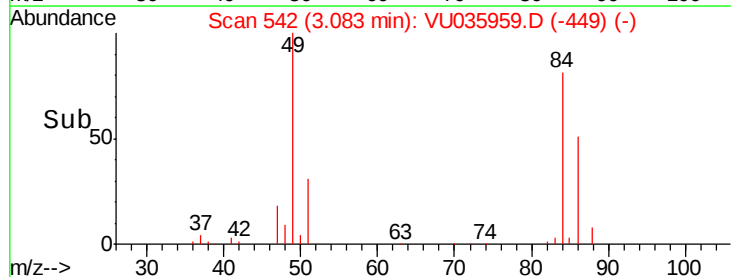
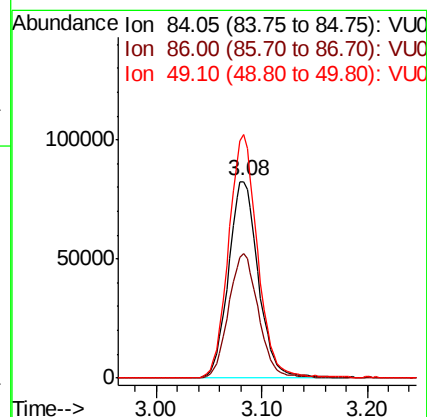
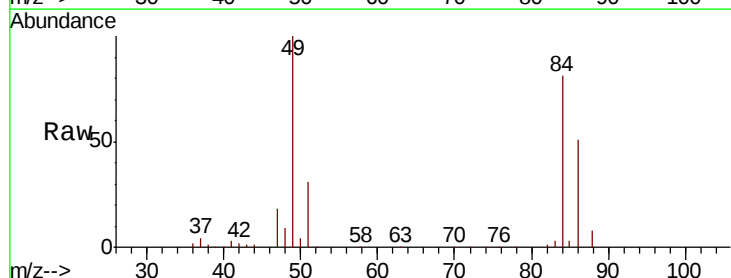
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

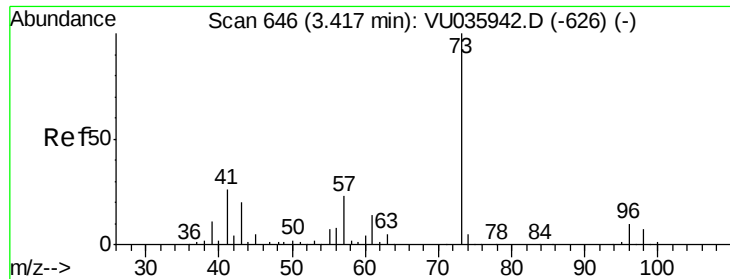
Tot Ion: 43 Resp: 58586
Ion Ratio Lower Upper
43 100
74 22.6 20.0 30.0



#16
Methylene chloride
Concen: 4.400 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Tgt Ion: 84 Resp: 161709
Ion Ratio Lower Upper
84 100
86 63.4 44.7 82.9
49 123.7 86.2 160.2

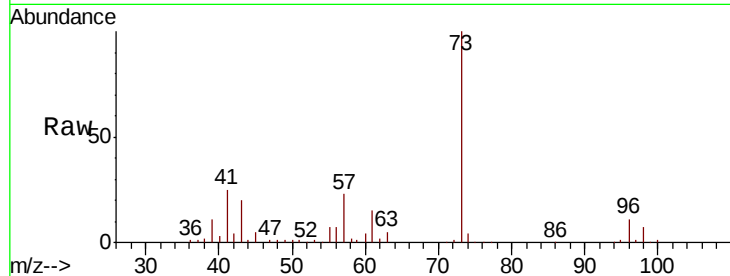




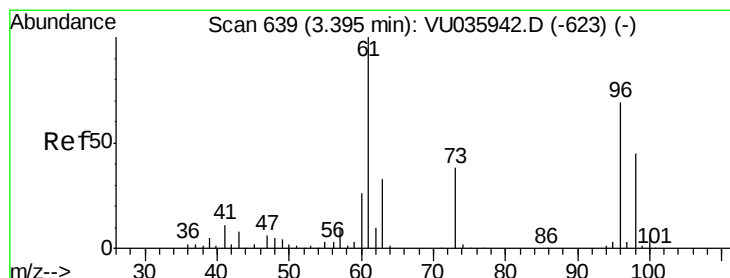
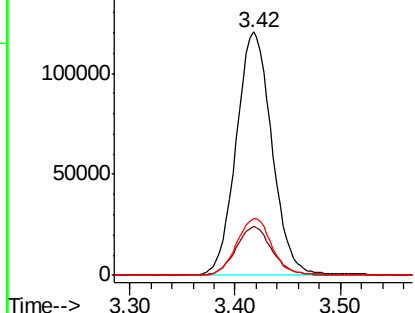
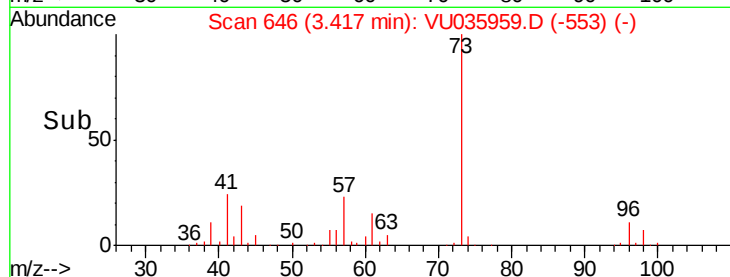
#17
Methvl tert-butvl Ether
Concen: 5.109 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 73 Resp: 284032
Ion Ratio Lower Upper
73 100
43 20.1 15.9 23.9
57 23.1 18.8 28.2

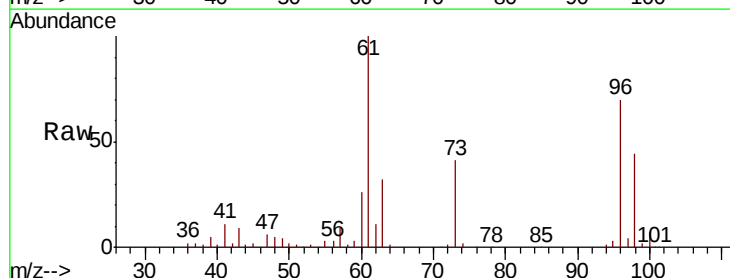


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

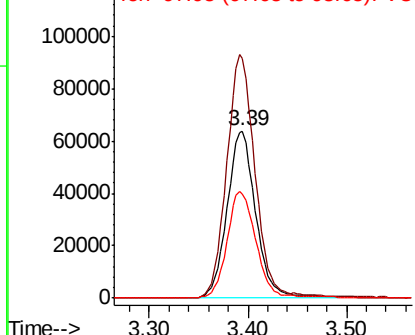
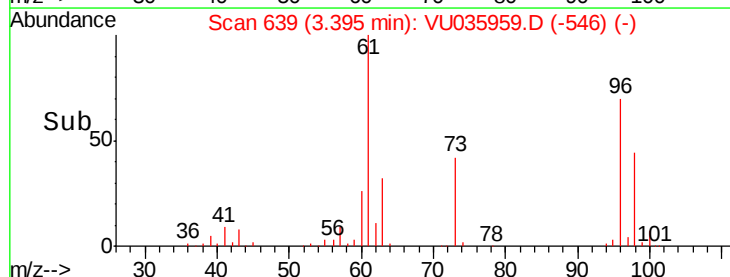


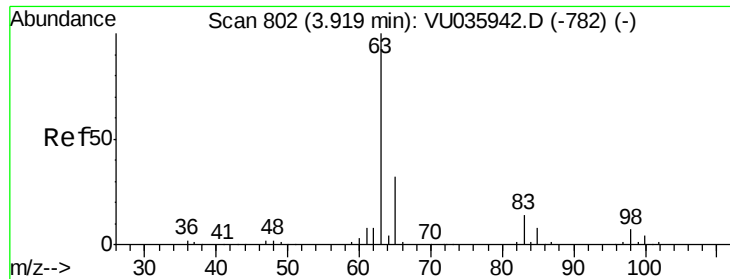
#18
trans-1,2-Dichloroethene
Concen: 5.184 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Tgt Ion: 96 Resp: 130258
Ion Ratio Lower Upper
96 100
61 143.3 101.2 187.8
98 62.4 45.0 83.6



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

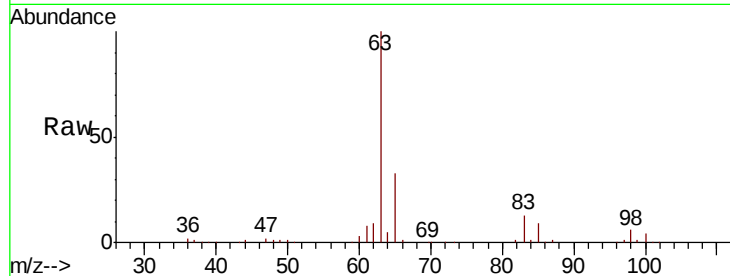




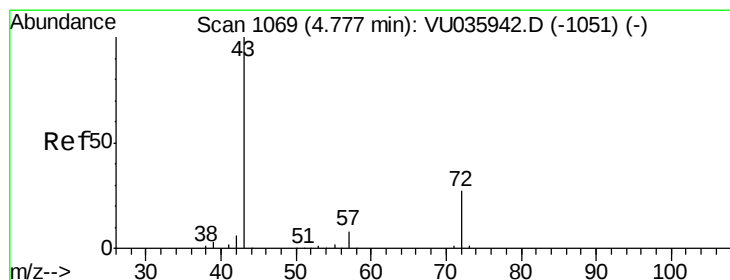
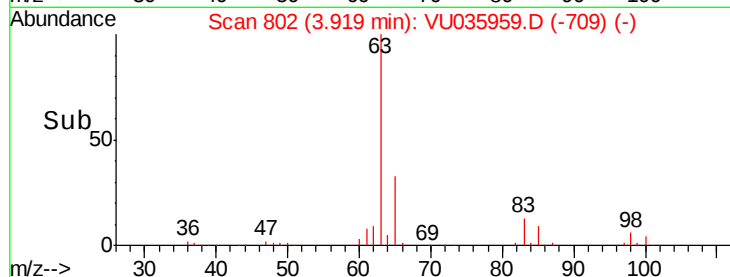
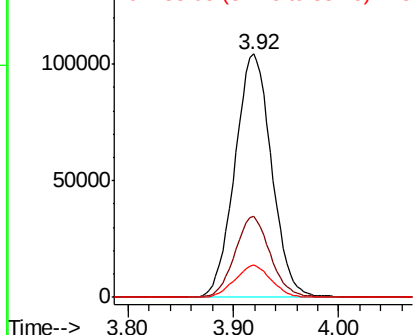
#19
 1,1-Dichloroethane
 Concen: 5.139 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00519

Tot Ion: 63 Resp: 252433
 Ion Ratio Lower Upper
 63 100
 65 33.2 22.4 41.6
 83 13.1 9.8 18.2

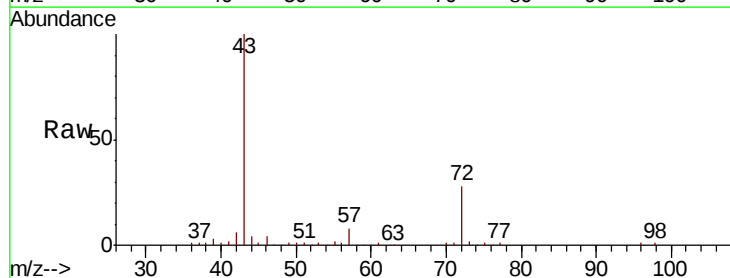


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

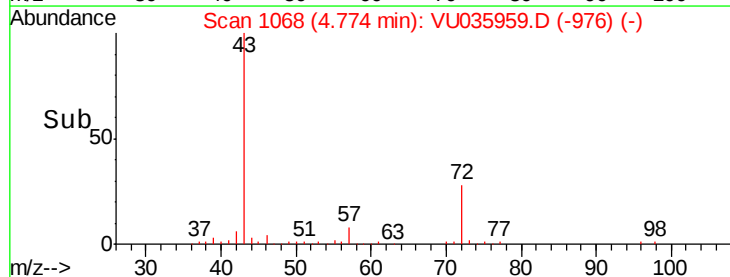
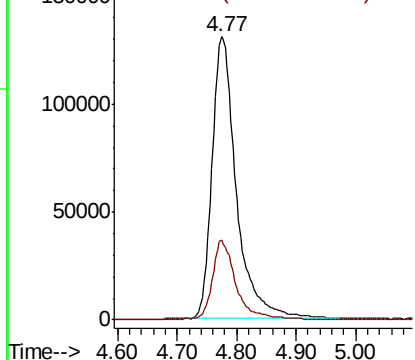


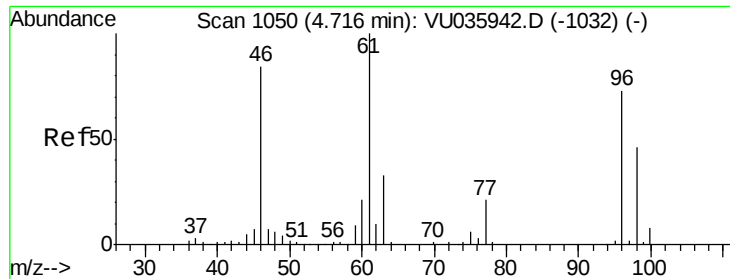
#21
 2-Butanone
 Concen: 47.830 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

Tgt Ion: 43 Resp: 371015
 Ion Ratio Lower Upper
 43 100
 72 25.8 12.6 37.8



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: 5.216 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampled :

VSTD00519

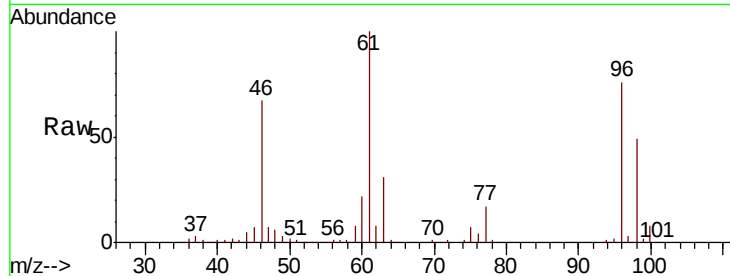
Tot Ion: 96 Resp: 138470

Ion Ratio Lower Upper

96 100

61 131.8 95.7 177.7

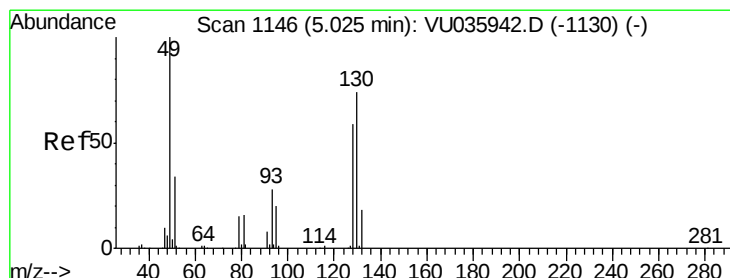
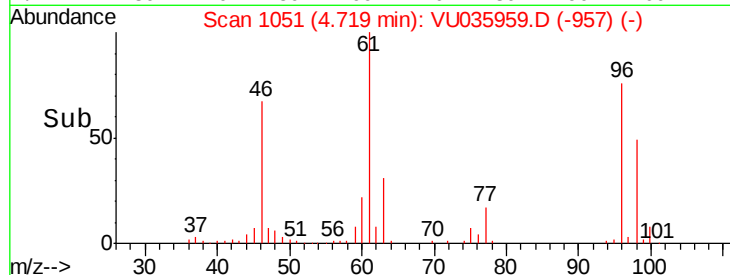
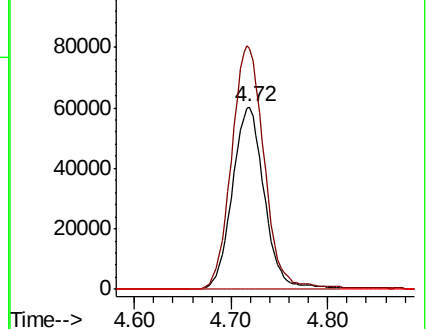
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035942.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035942.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035942.D (-1032) (-)



#23

Bromochloromethane

Concen: 5.414 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Tgt Ion: 128 Resp: 65781

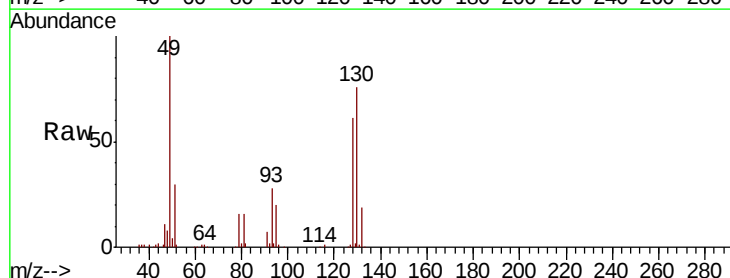
Ion Ratio Lower Upper

128 100

49 164.1 118.3 219.7

130 124.4 86.9 161.3

51 49.7 45.6 68.4

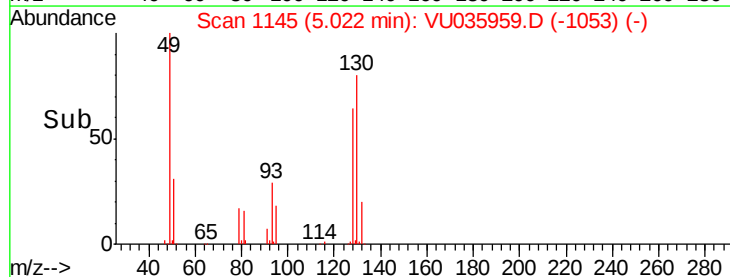
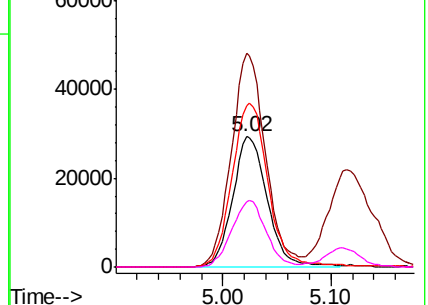


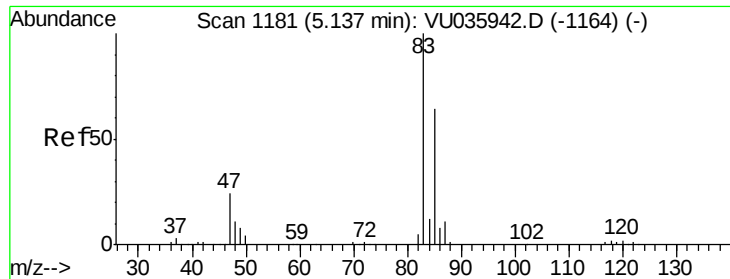
Abundance Ion 127.90 (127.60 to 128.60): VU035942.D (-1130) (-)

Ion 49.10 (48.80 to 49.80): VU035942.D (-1130) (-)

Ion 129.95 (129.65 to 130.65): VU035942.D (-1130) (-)

Ion 51.05 (50.75 to 51.75): VU035942.D (-1130) (-)

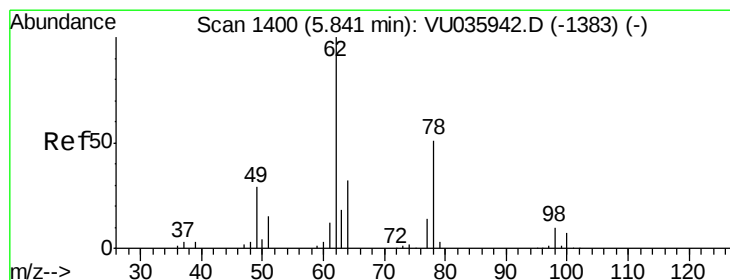
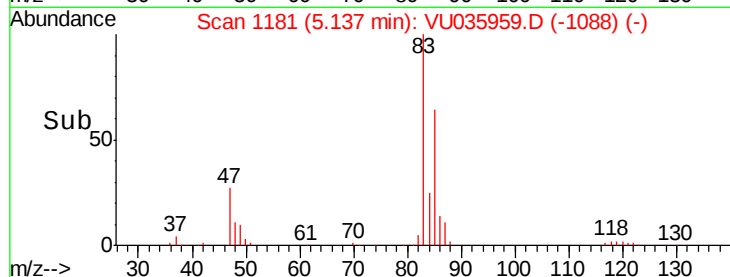
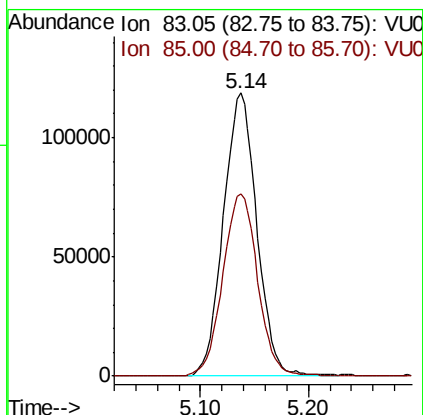
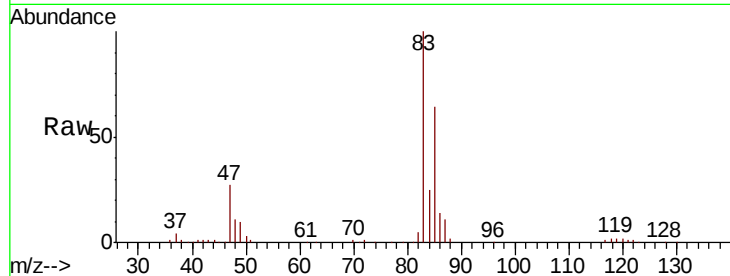




#25
Chloroform
Concen: 5.171 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

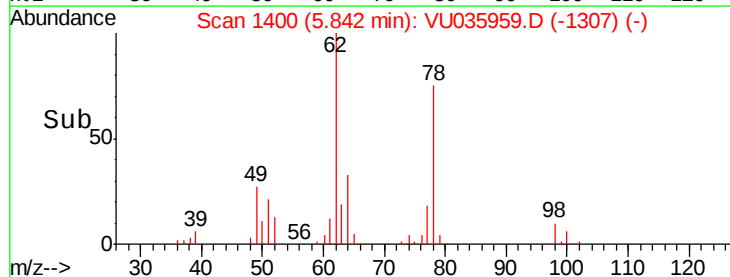
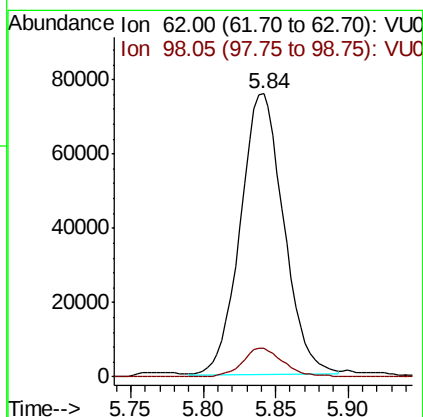
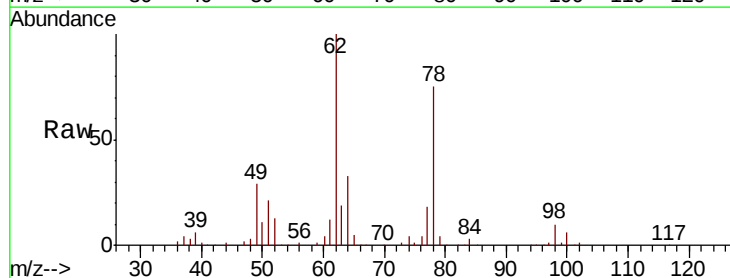
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

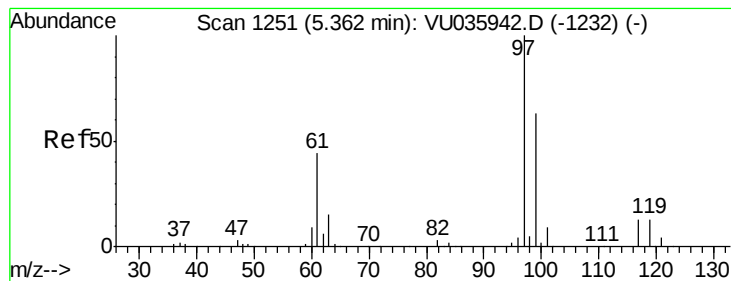
Tot Ion: 83 Resp: 256275
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.974 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Tgt Ion: 62 Resp: 157566
Ion Ratio Lower Upper
62 100
98 10.0 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.120 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

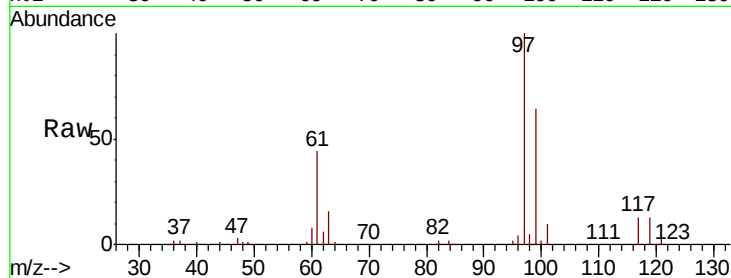
Tot Ion: 97 Resp: 213321

Ion Ratio Lower Upper

97 100

99 65.5 51.8 77.8

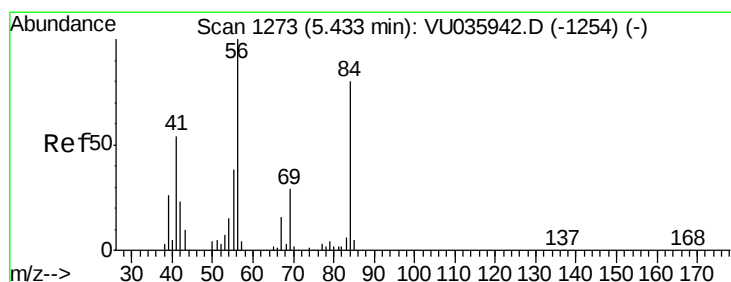
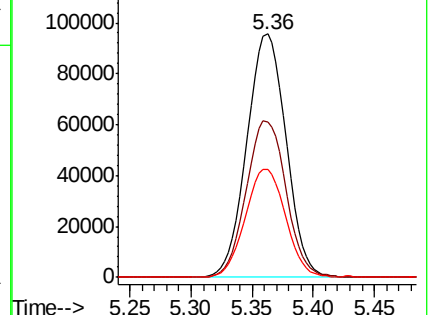
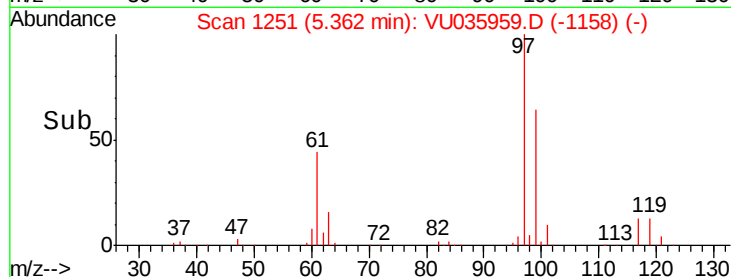
61 45.5 37.6 56.4



Abundance Ion 96.95 (96.65 to 97.65): VU035959.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU035959.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU035959.D (-1158) (-)



#30

Cyclohexane

Concen: 4.974 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

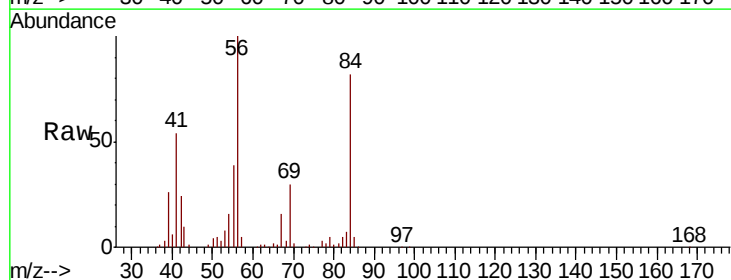
Tgt Ion: 56 Resp: 204683

Ion Ratio Lower Upper

56 100

69 30.7 24.0 36.0

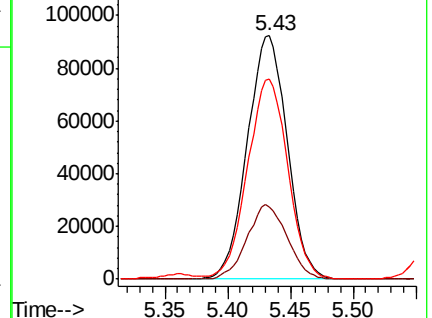
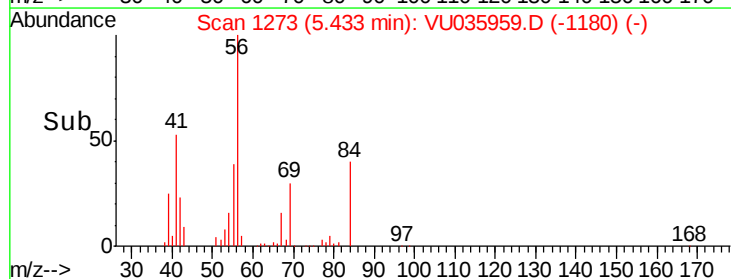
84 82.4 66.9 100.3

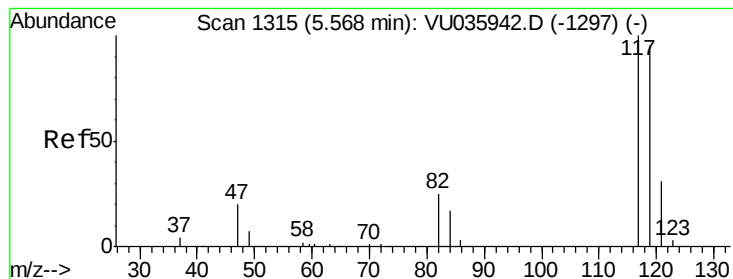


Abundance Ion 56.10 (55.80 to 56.80): VU035959.D (-1180) (-)

Ion 69.15 (68.85 to 69.85): VU035959.D (-1180) (-)

Ion 84.15 (83.85 to 84.85): VU035959.D (-1180) (-)





#31

Carbon tetrachloride

Concen: 5.216 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

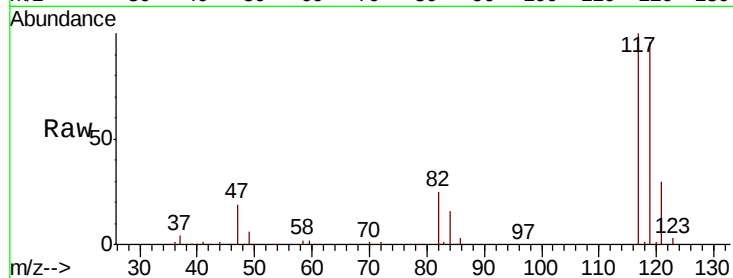
VSTD00519

Tot Ion:117 Resp: 192702

Ion Ratio Lower Upper

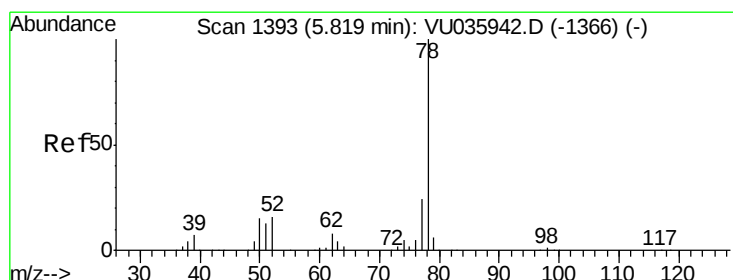
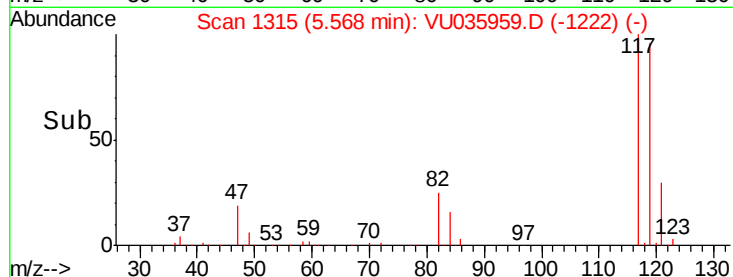
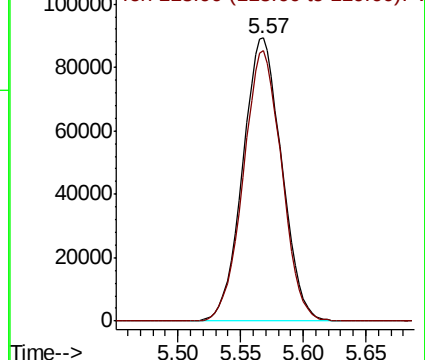
117 100

119 94.3 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.246 ug/L

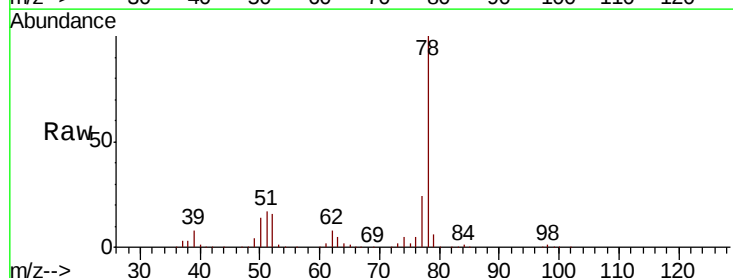
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

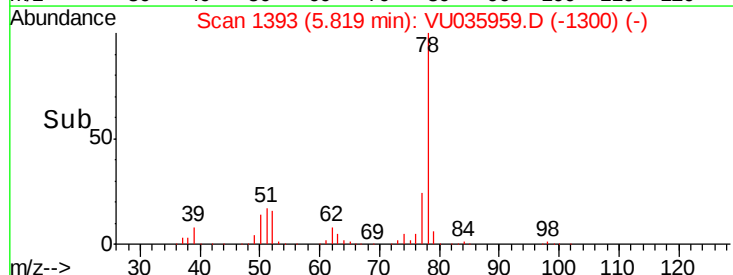
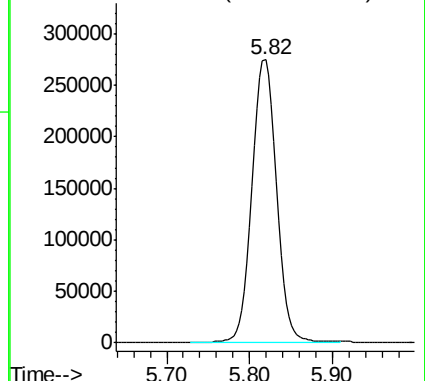
Lab File: VU035959.D

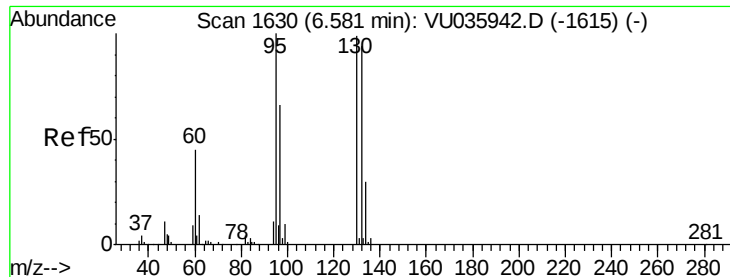
Acq: 03 Dec 2019 19:57

Tgt Ion: 78 Resp: 568336



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.644 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tot Ion: 95 Resp: 154631

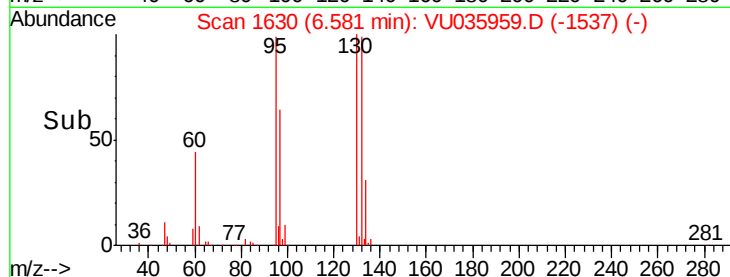
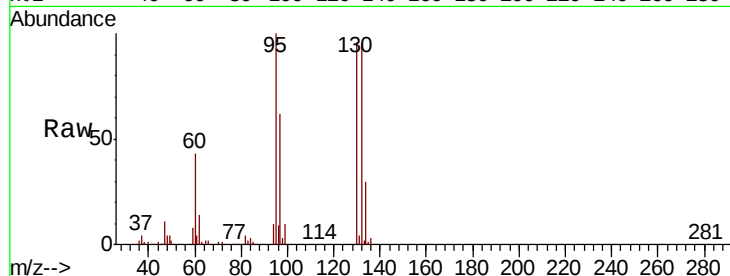
Ion Ratio Lower Upper

95 100

97 62.0 46.3 85.9

132 95.5 65.7 122.1

130 96.2 69.2 128.6

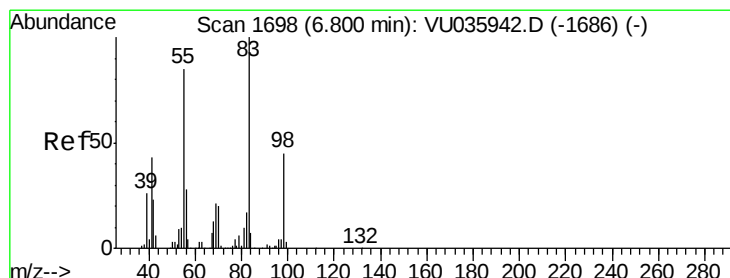
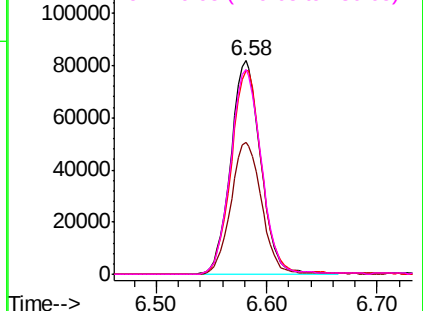


Abundance Ion 95.00 (94.70 to 95.70): VU035959.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035959.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035959.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035959.D (-1537) (-)



#35

Methylcyclohexane

Concen: 4.985 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

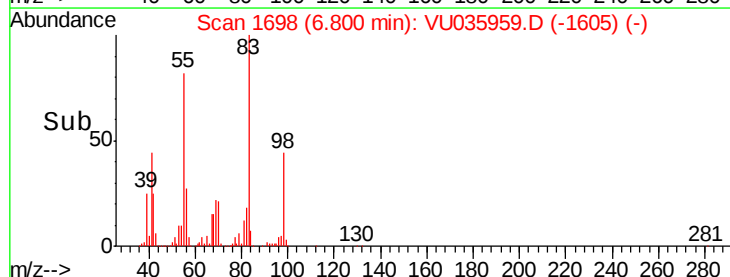
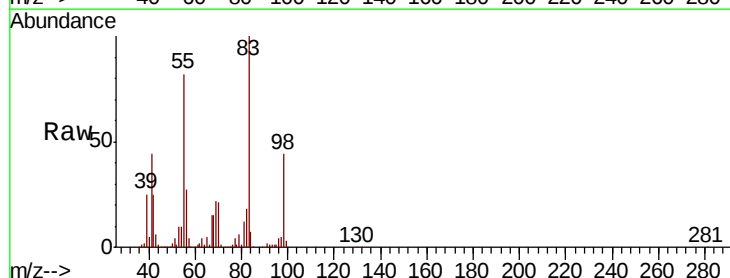
Tgt Ion: 83 Resp: 204771

Ion Ratio Lower Upper

83 100

55 83.3 67.4 101.0

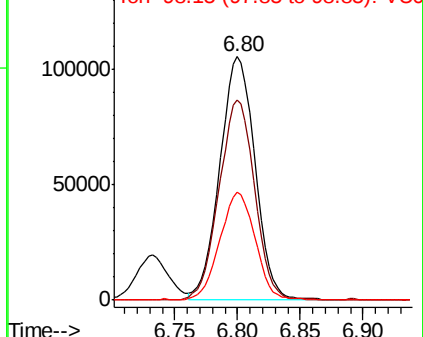
98 44.7 34.6 52.0

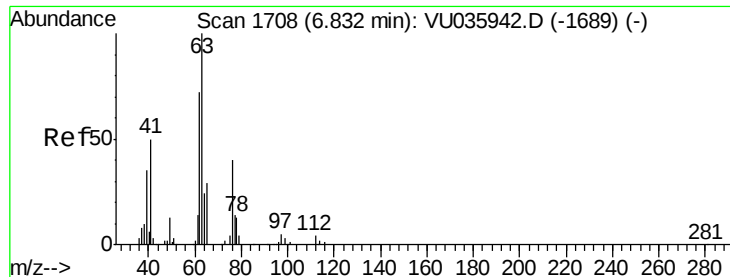


Abundance Ion 83.15 (82.85 to 83.85): VU035959.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035959.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035959.D (-1605) (-)

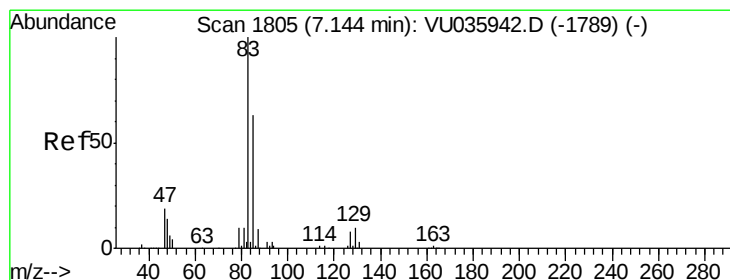
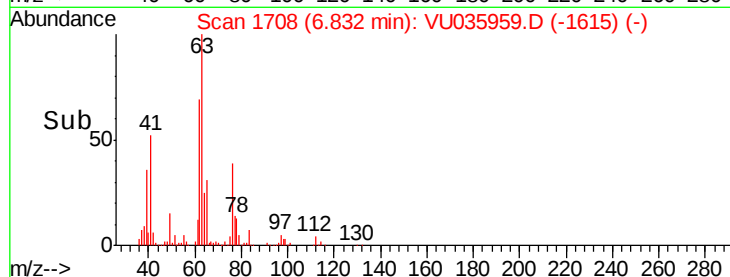
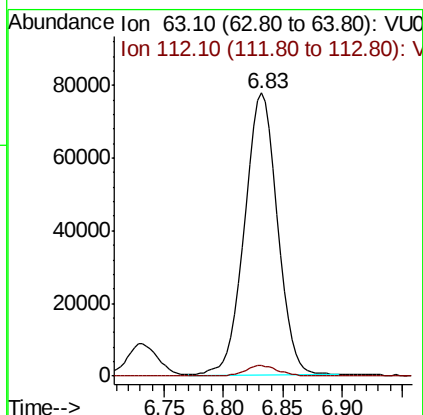
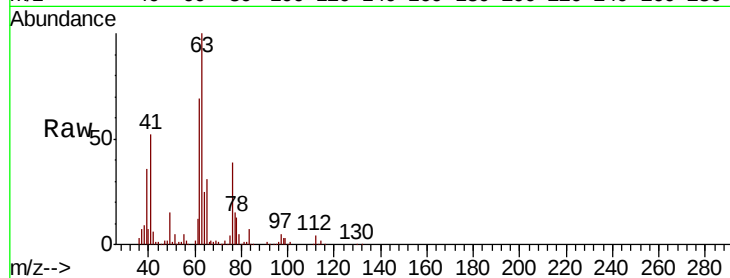




#37
 1,2-Dichloropropane
 Concen: 5.091 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

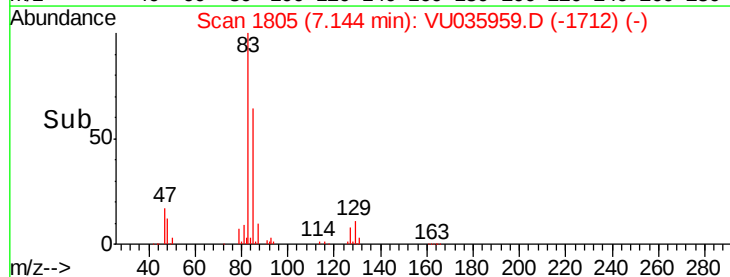
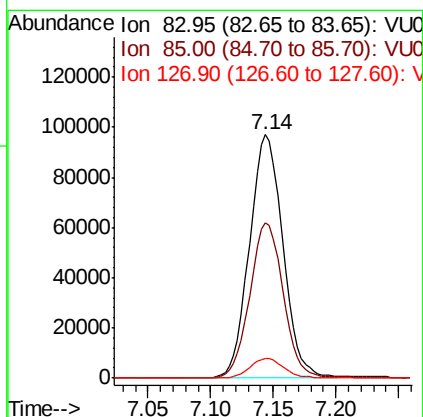
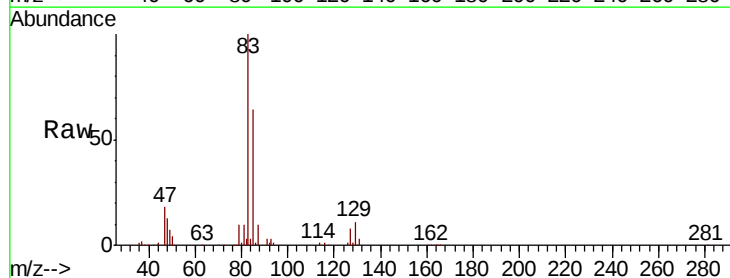
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

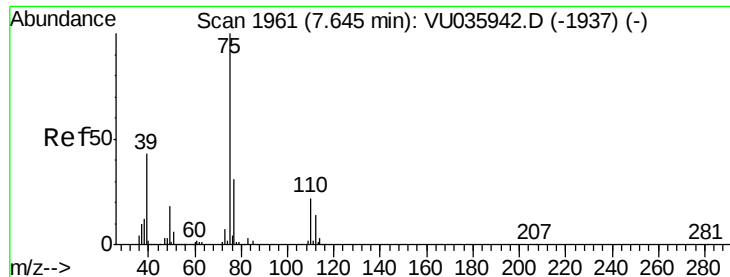
Tot Ion: 63 Resp: 149356
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.145 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

Tgt Ion: 83 Resp: 180648
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.0 81.8
 127 8.2 6.5 9.7

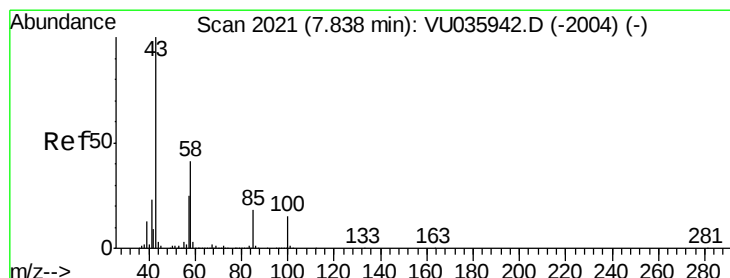
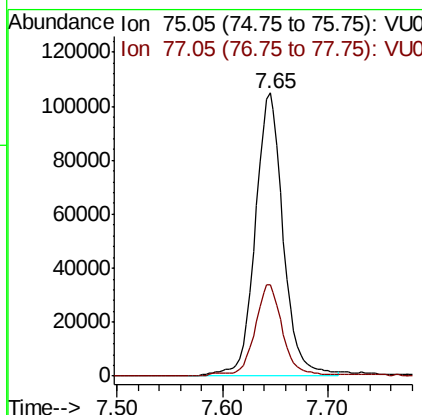
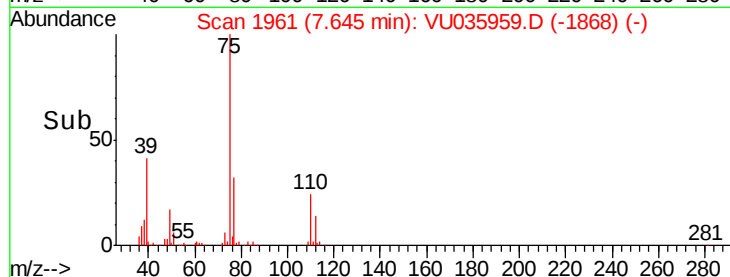
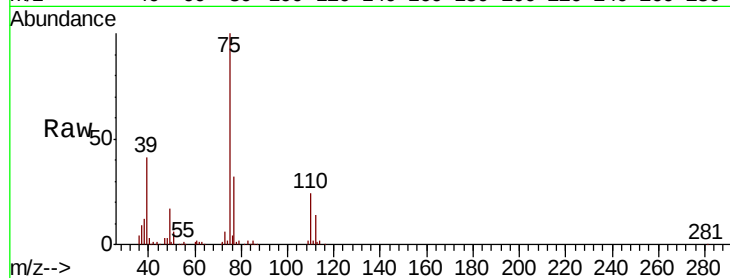




#39
 cis-1,3-Dichloropropene
 Concen: 5.000 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

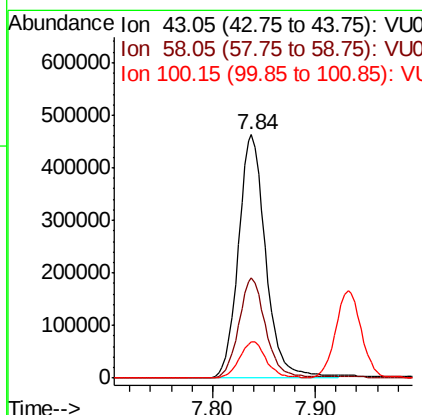
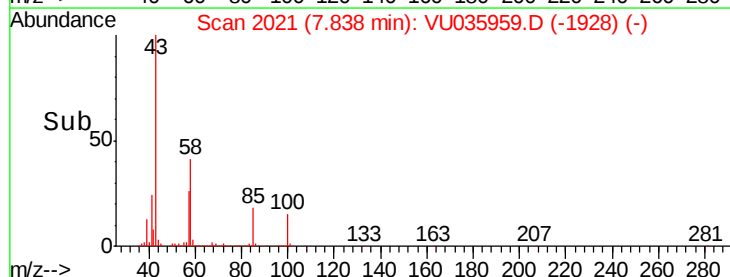
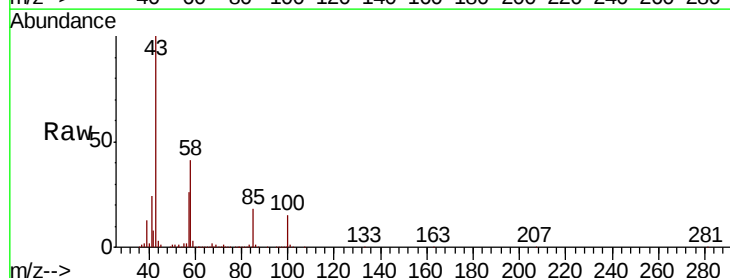
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

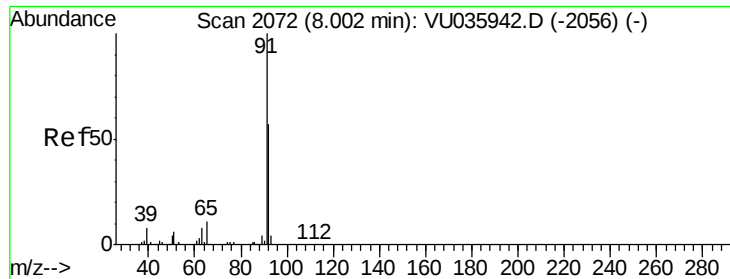
Tot Ion: 75 Resp: 194611
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 49.586 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

Tgt Ion: 43 Resp: 854952
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.3 48.5
 100 14.7 11.7 17.5





#42

Toluene

Concen: 5.329 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

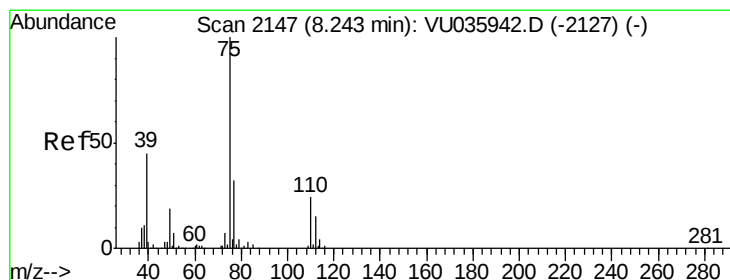
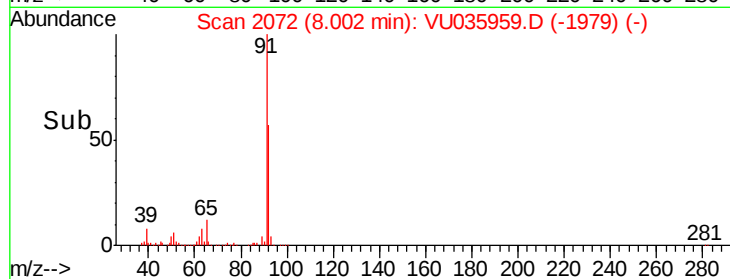
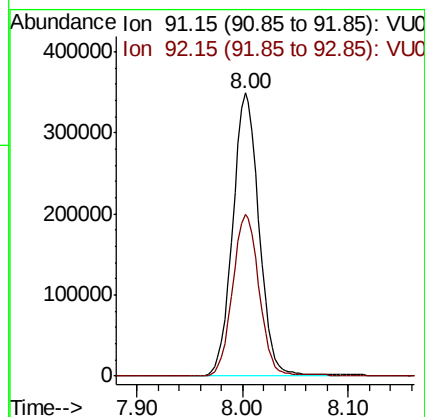
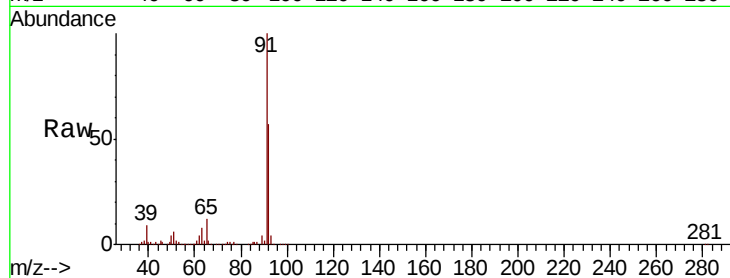
VSTD00519

Tot Ion: 91 Resp: 603031

Ion Ratio Lower Upper

91 100

92 57.0 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 4.936 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035959.D

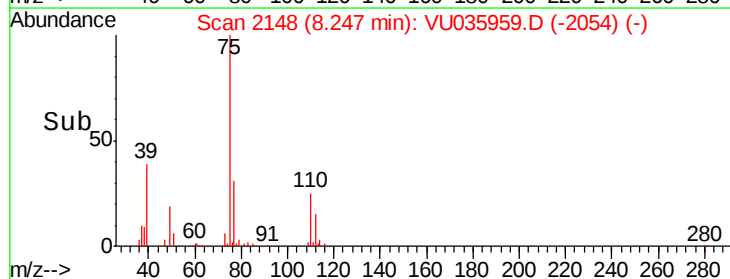
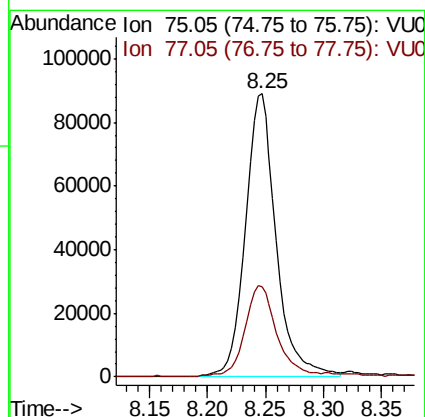
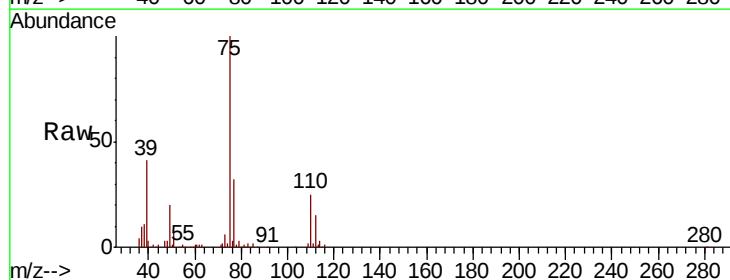
Acq: 03 Dec 2019 19:57

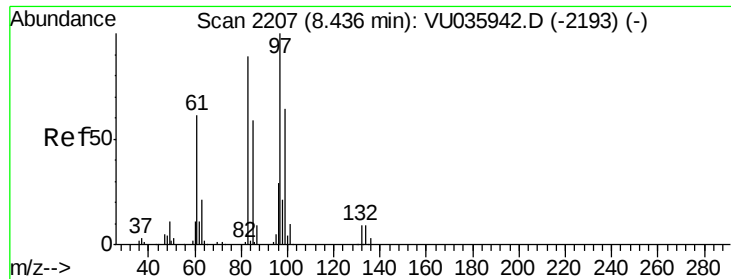
Tgt Ion: 75 Resp: 164249

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

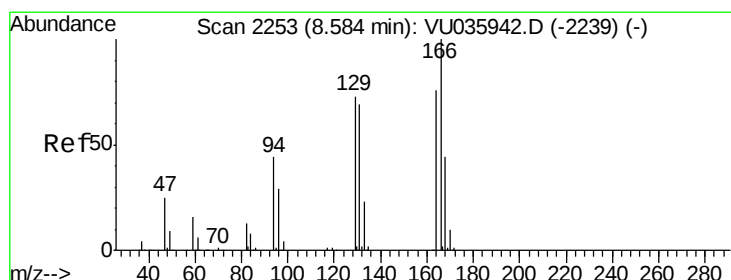
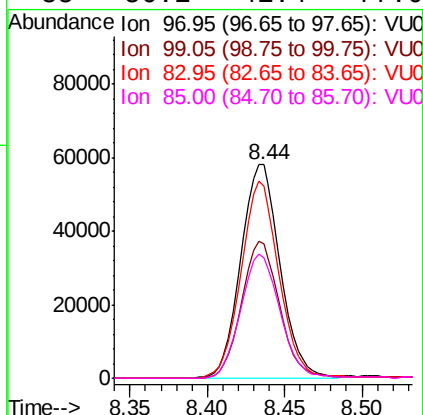
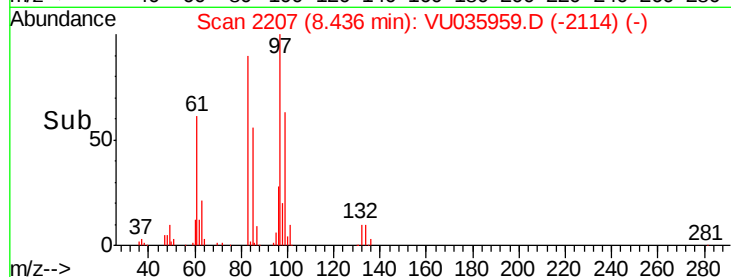
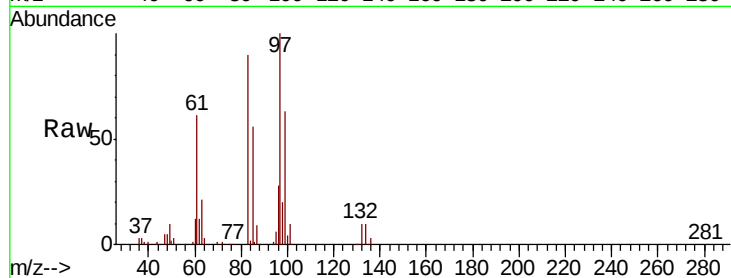




#45
 1,1,2-Trichloroethane
 Concen: 5.150 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

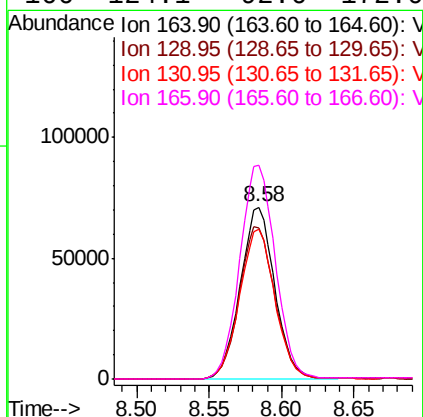
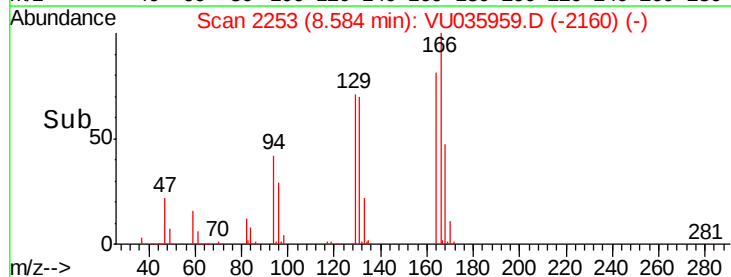
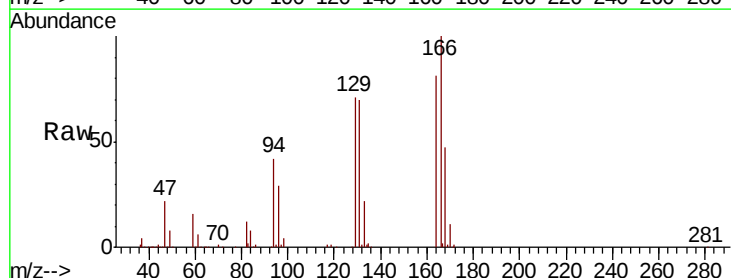
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

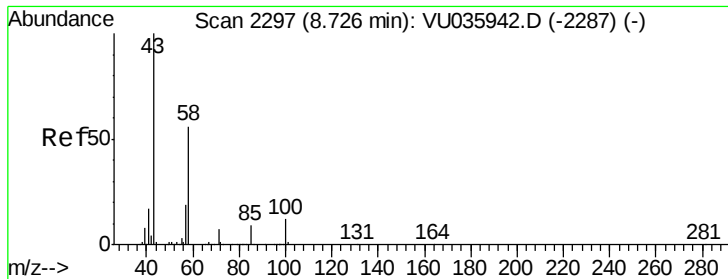
Tot Ion:	97	Resp:	102860
Ion	Ratio	Lower	Upper
97	100		
99	62.8	45.0	83.6
83	89.8	62.1	115.3
85	56.1	41.4	77.0



#47
 Tetrachloroethene
 Concen: 5.278 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

Tgt Ion:	164	Resp:	117533
Ion	Ratio	Lower	Upper
164	100		
129	87.8	67.9	126.1
131	86.8	64.1	119.1
166	124.1	92.6	172.0

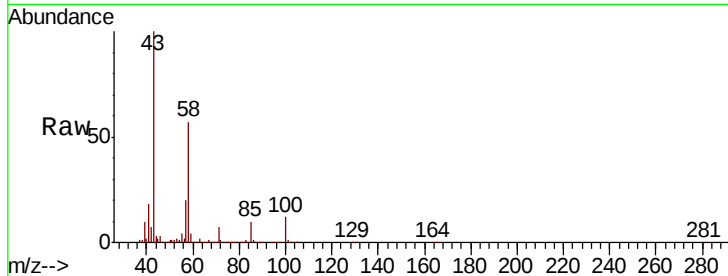




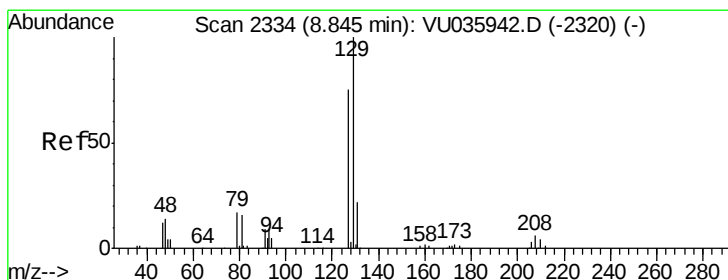
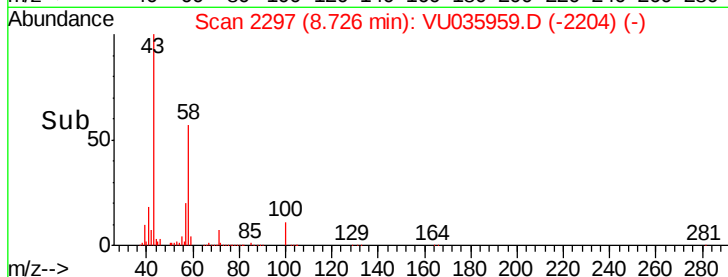
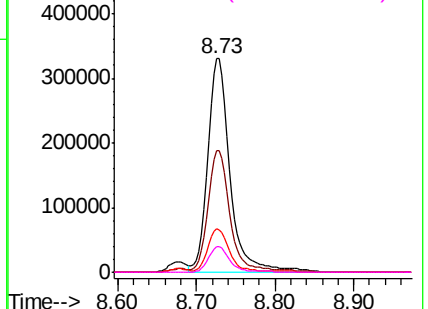
#48
2-Hexanone
Concen: 50.469 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 43 Resp: 642767
Ion Ratio Lower Upper
43 100
58 57.4 45.4 68.2
57 19.3 14.9 22.3
100 11.1 8.6 13.0

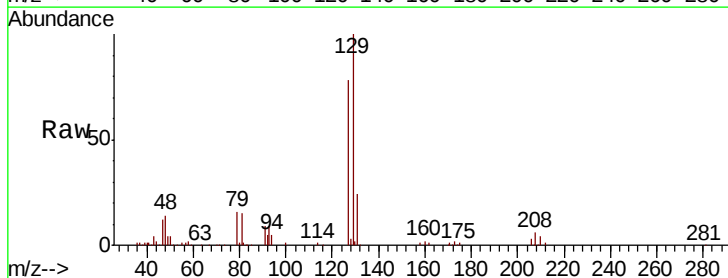


Abundance Ion 43.05 (42.75 to 43.75): VU035942.D (-2287) (-)
Ion 58.05 (57.75 to 58.75): VU035942.D (-2287) (-)
Ion 57.20 (56.90 to 57.90): VU035942.D (-2287) (-)
Ion 100.15 (99.85 to 100.85): VU035942.D (-2287) (-)

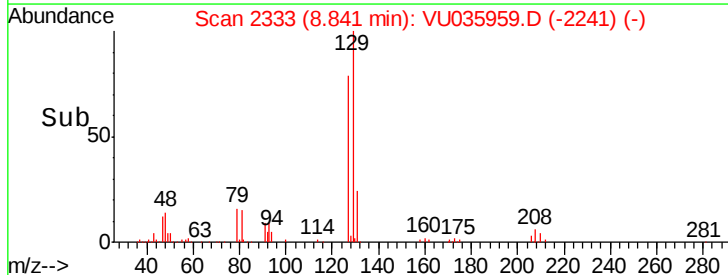
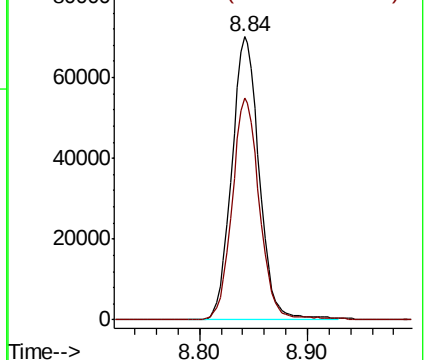


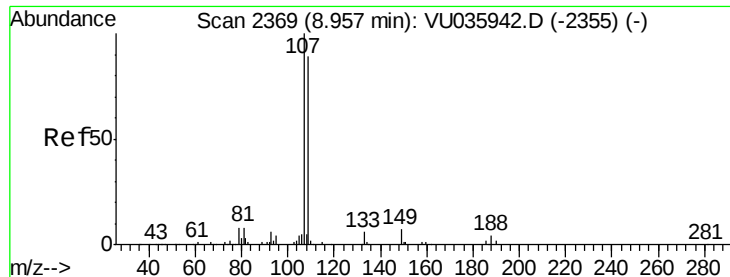
#49
Dibromochloromethane
Concen: 5.120 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Tgt Ion: 129 Resp: 124696
Ion Ratio Lower Upper
129 100
127 78.3 52.8 98.0



Abundance Ion 128.95 (128.65 to 129.65): VU035942.D (-2320) (-)
Ion 126.90 (126.60 to 127.60): VU035942.D (-2320) (-)

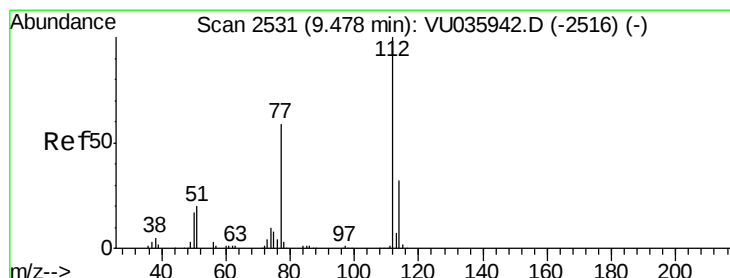
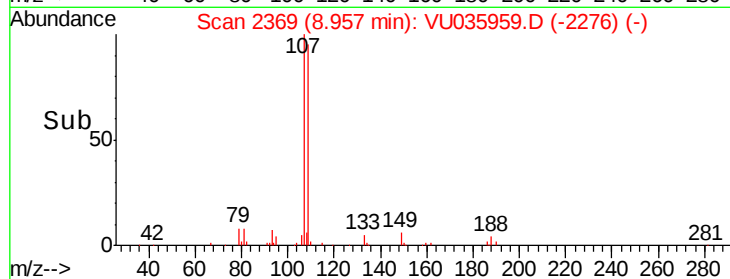
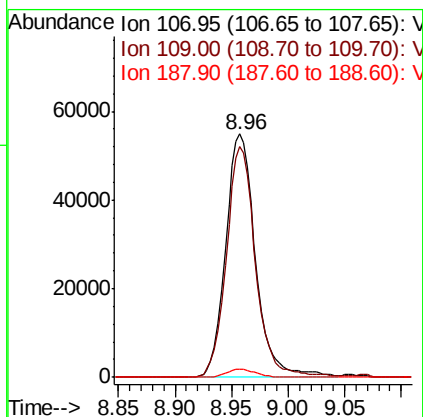
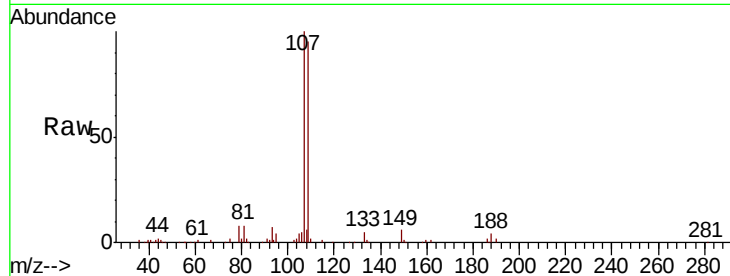




#50
1,2-Dibromoethane
Concen: 5.213 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

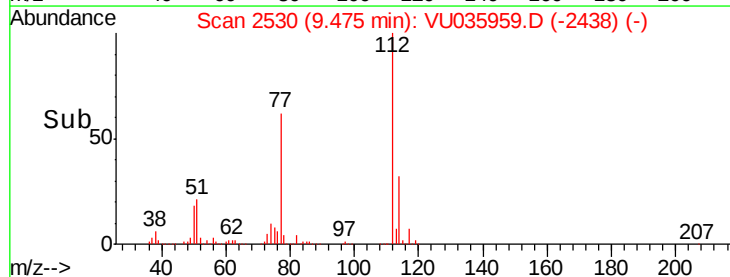
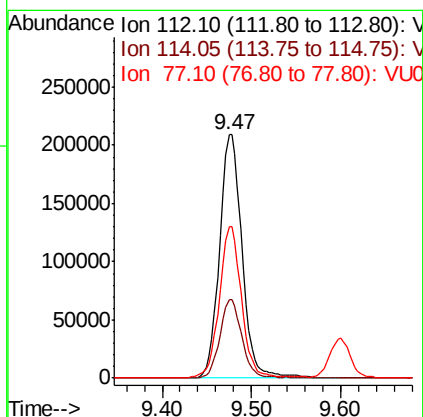
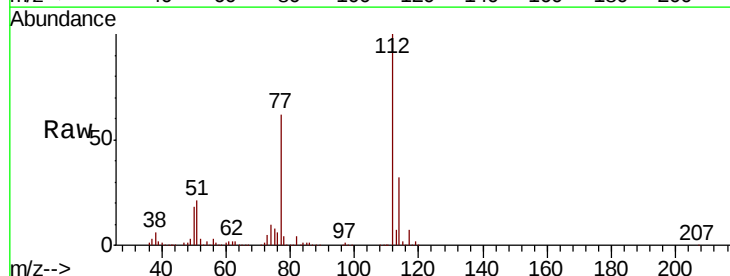
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

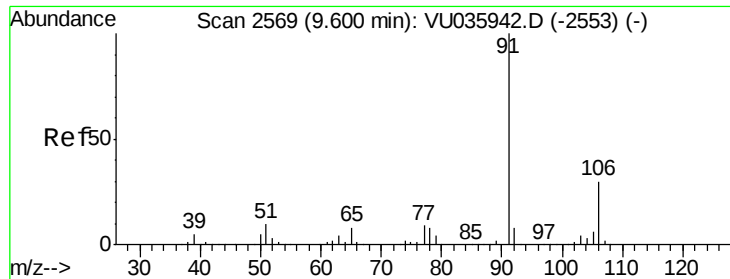
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	62.5	116.1
188	3.6	3.0	4.6



#51
Chlorobenzene
Concen: 5.178 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.5	41.7
77	62.1	47.7	71.5





#52

Ethylbenzene

Concen: 5.159 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

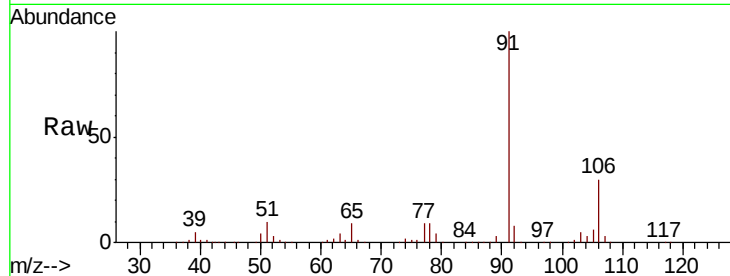
VSTD00519

Tot Ion: 91 Resp: 590193

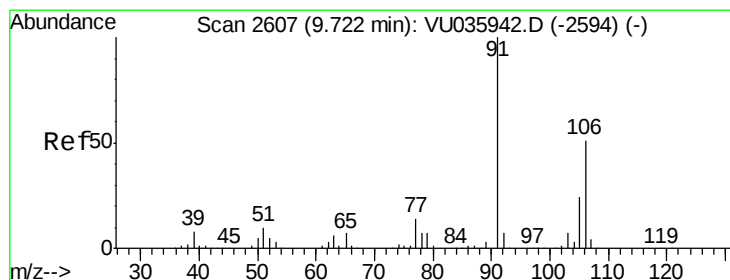
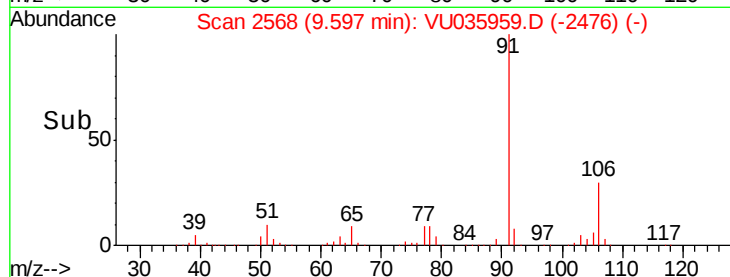
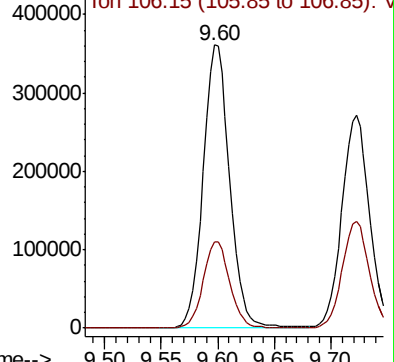
Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU035942.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.333 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035959.D

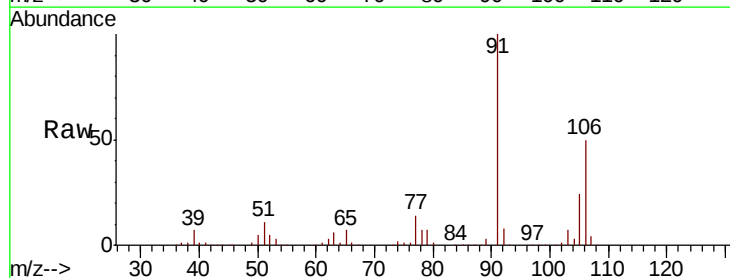
Acq: 03 Dec 2019 19:57

Tgt Ion: 106 Resp: 230315

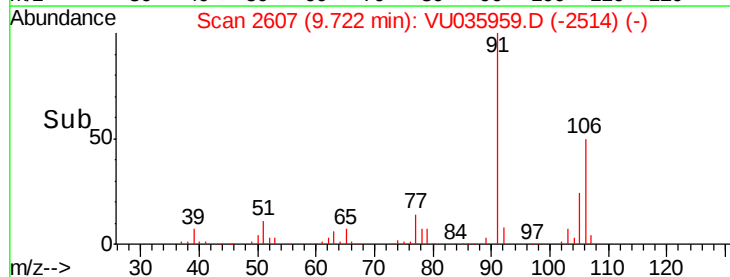
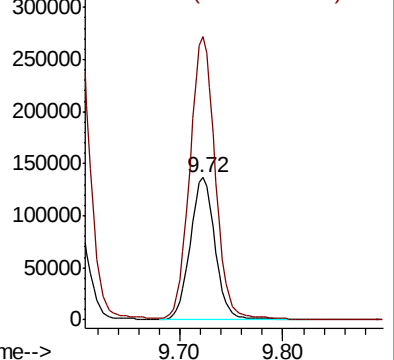
Ion Ratio Lower Upper

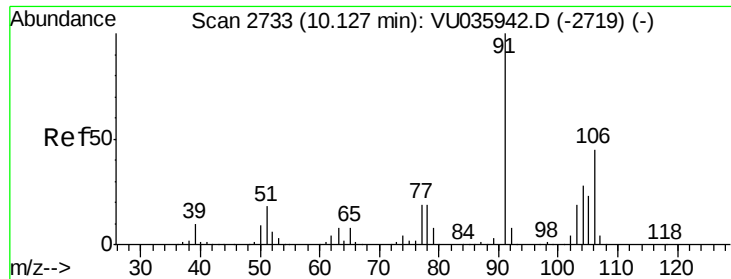
106 100

91 198.7 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU035942.D (-2594) (-)

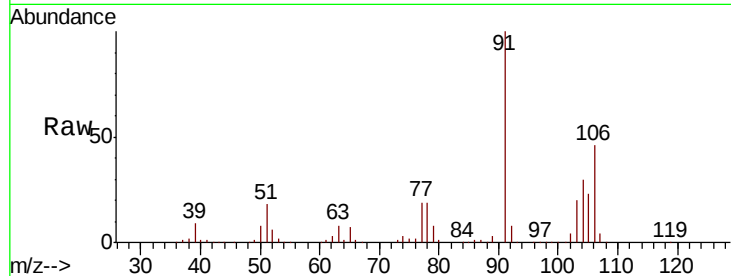




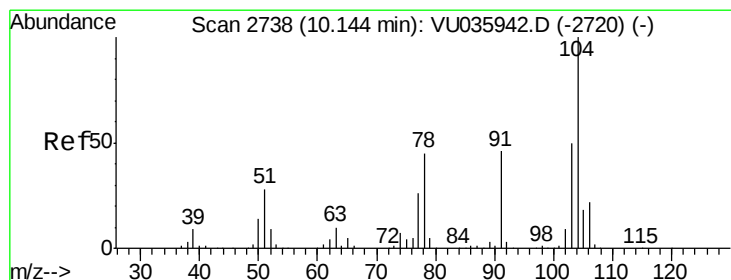
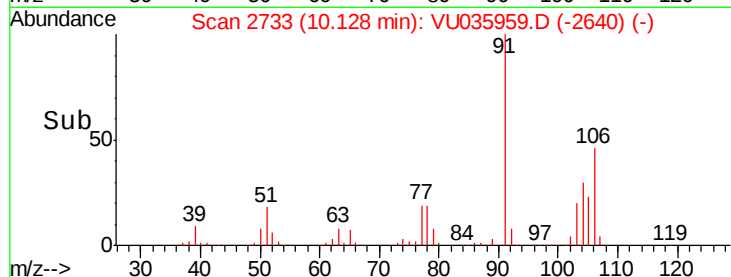
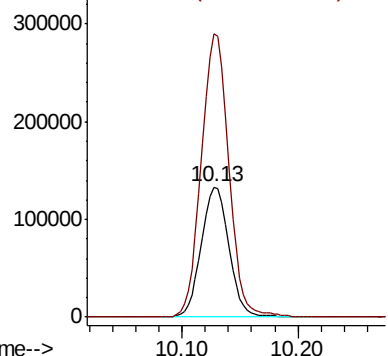
#54
o-Xylene
Concen: 5.428 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion:106 Resp: 219949
Ion Ratio Lower Upper
106 100
91 217.9 155.3 288.3

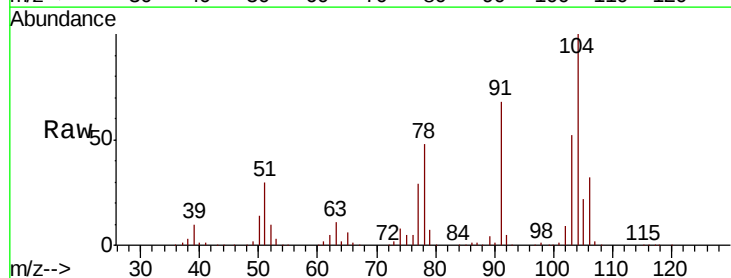


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

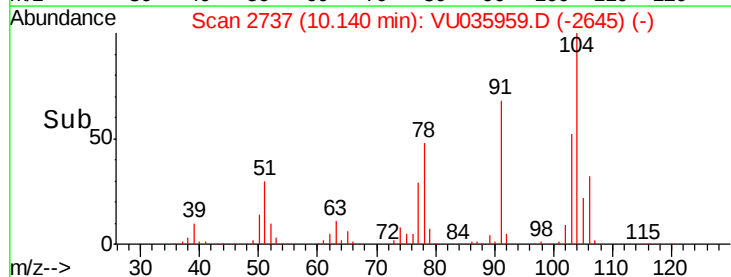
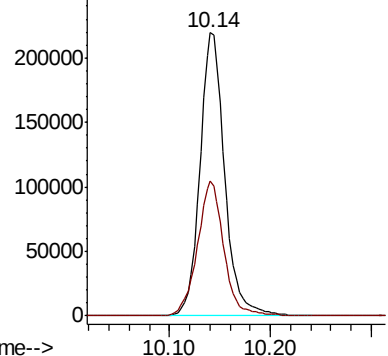


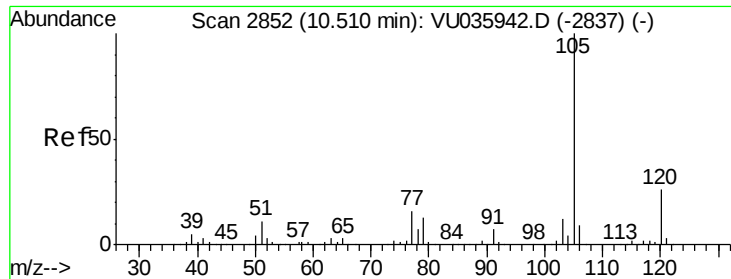
#55
Styrene
Concen: 5.502 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU035959.D
Acq: 03 Dec 2019 19:57

Tgt Ion:104 Resp: 374969
Ion Ratio Lower Upper
104 100
78 47.7 31.2 58.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.351 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

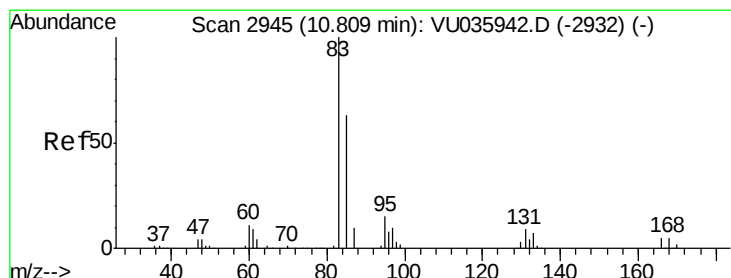
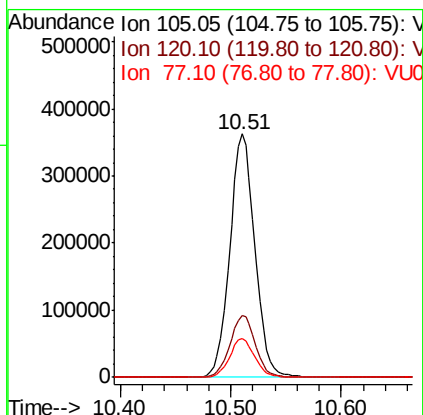
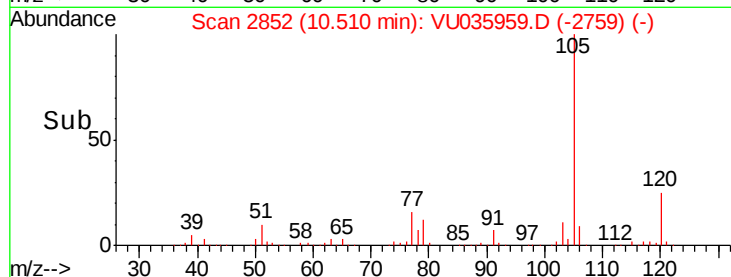
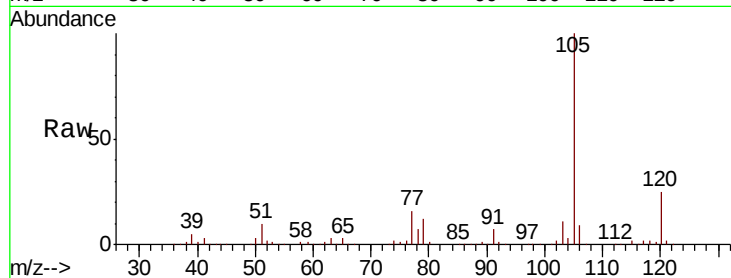
Tot Ion:105 Resp: 568411

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

77 16.0 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 4.945 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

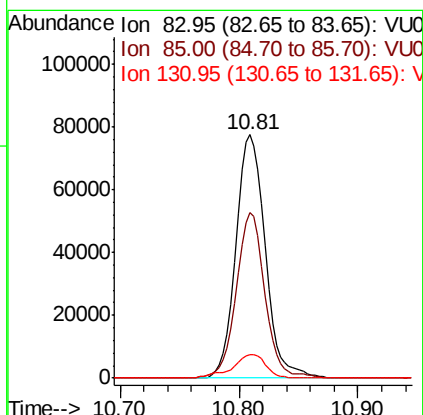
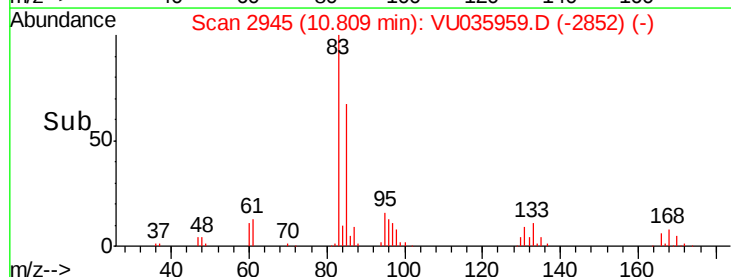
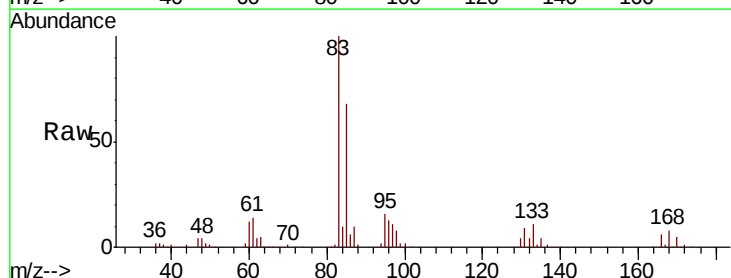
Tgt Ion: 83 Resp: 132528

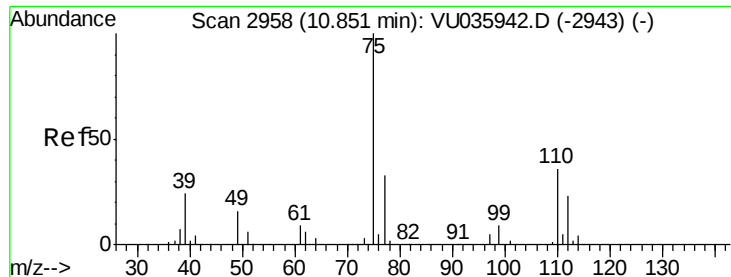
Ion Ratio Lower Upper

83 100

85 68.0 44.3 82.3

131 9.5 7.2 10.8





#59

1,2,3-Trichloropropane

Concen: 5.097 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

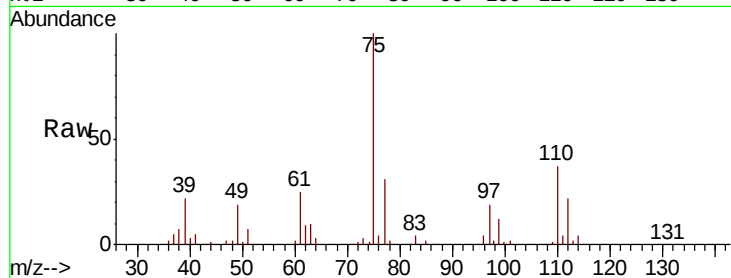
VSTD00519

Tot Ion: 75 Resp: 97193

Ion Ratio Lower Upper

75 100

77 32.3 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU035942.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU035942.D (-2943) (-)

10.85

60000

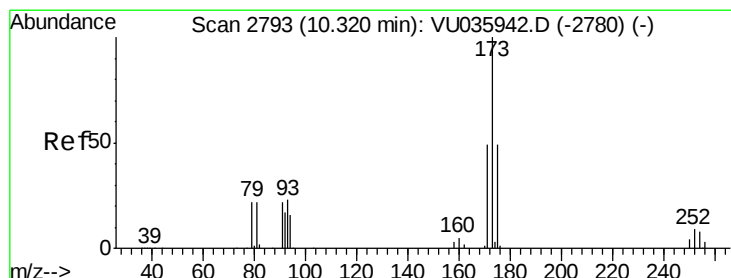
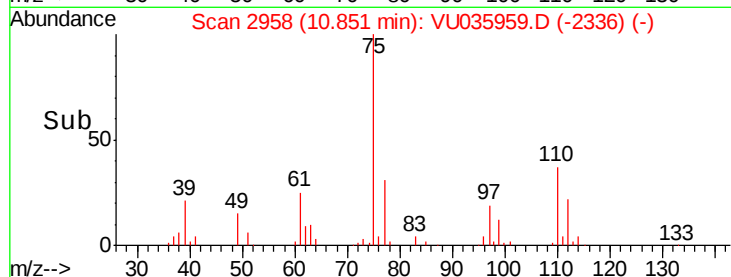
40000

20000

0

10.80 10.85 10.90 10.95

Time-->



#61

Bromoform

Concen: 4.840 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

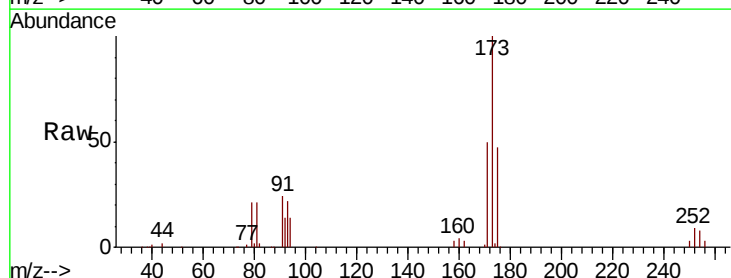
Tgt Ion: 173 Resp: 74181

Ion Ratio Lower Upper

173 100

175 46.7 39.3 58.9

254 8.8 7.3 10.9



Abundance Ion 172.90 (172.60 to 173.60): VU035942.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035942.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035942.D (-2780) (-)

10.32

50000

40000

30000

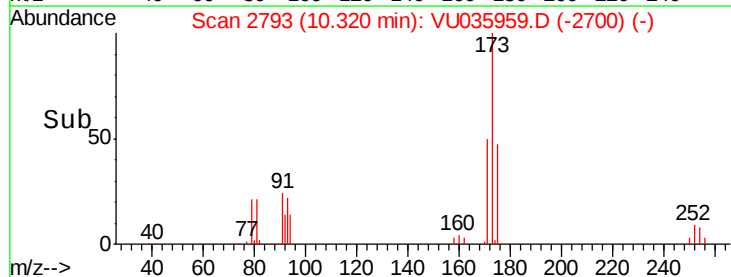
20000

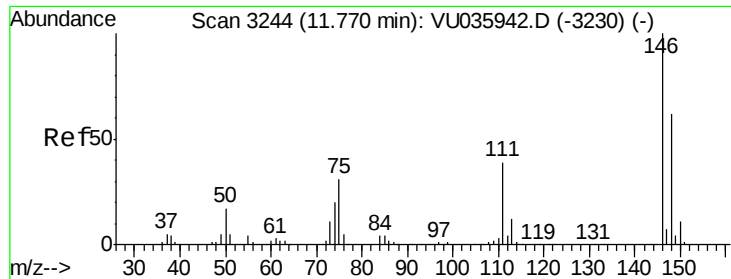
10000

0

10.30 10.32 10.34 10.36 10.38 10.40

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.010 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

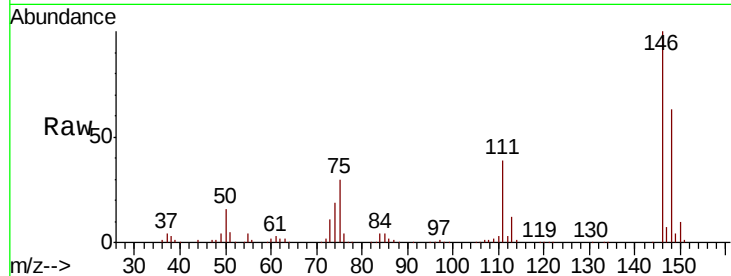
Tot Ion:146 Resp: 276464

Ion Ratio Lower Upper

146 100

111 39.2 27.6 51.4

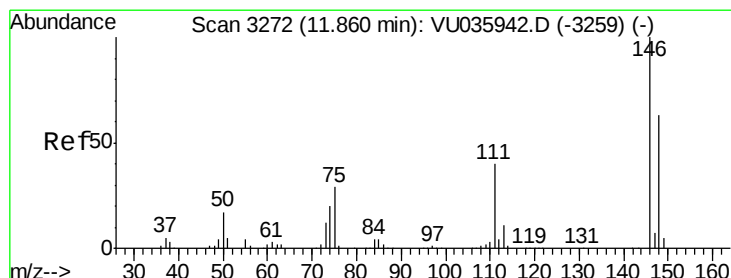
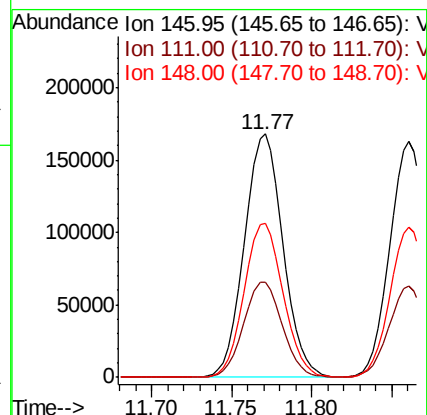
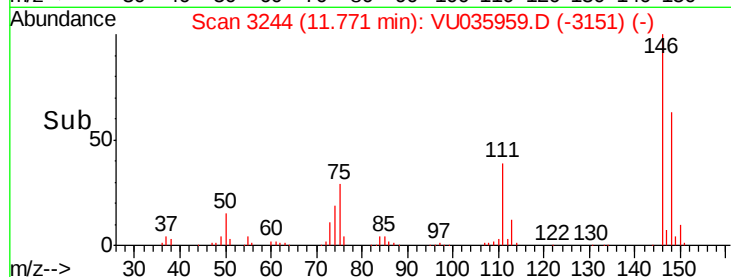
148 63.3 43.4 80.6



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: 4.929 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

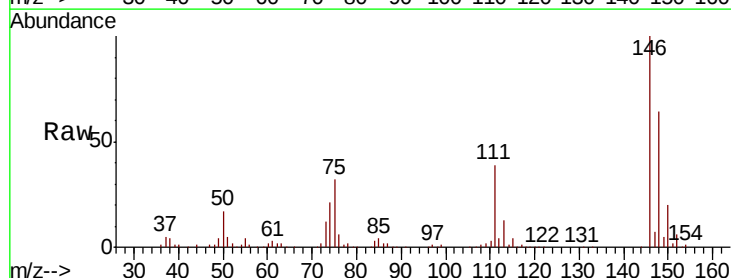
Tgt Ion:146 Resp: 269995

Ion Ratio Lower Upper

146 100

111 38.9 28.5 52.9

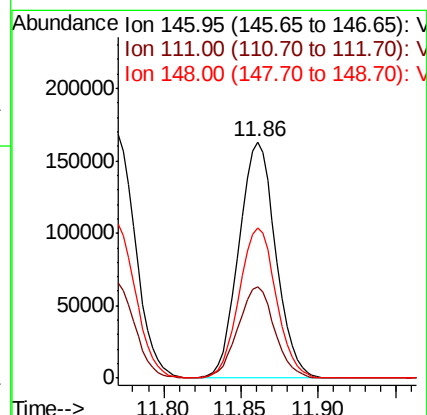
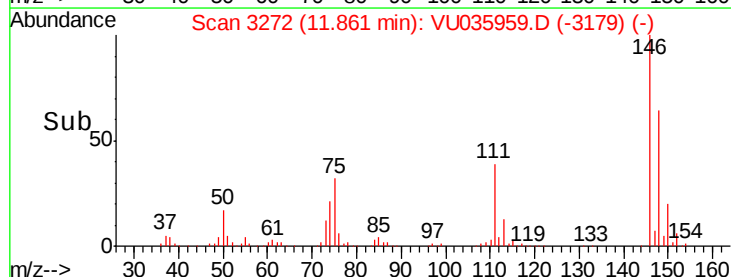
148 63.6 44.4 82.5

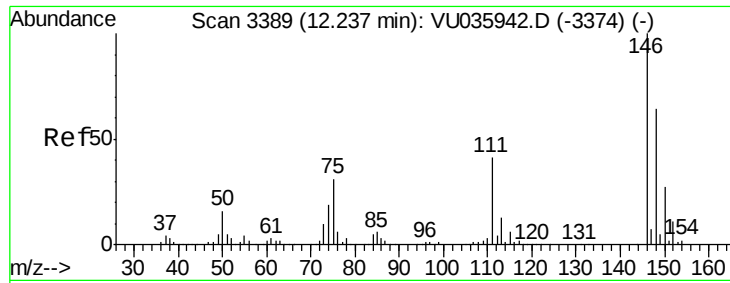


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

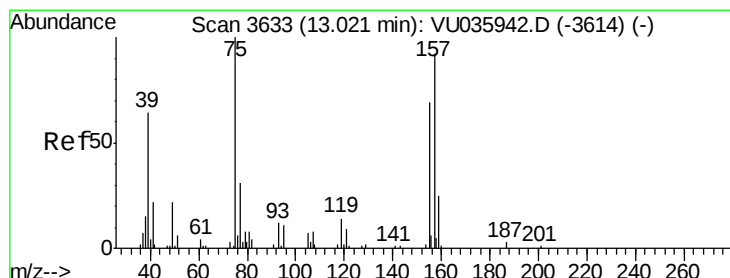
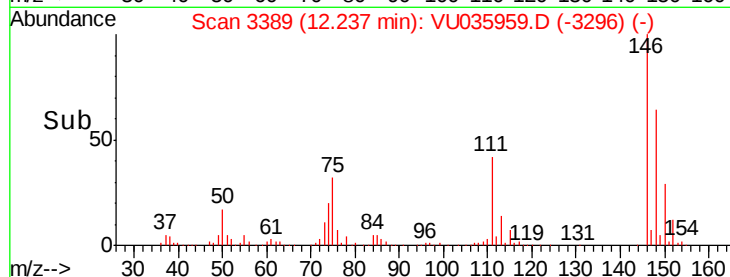
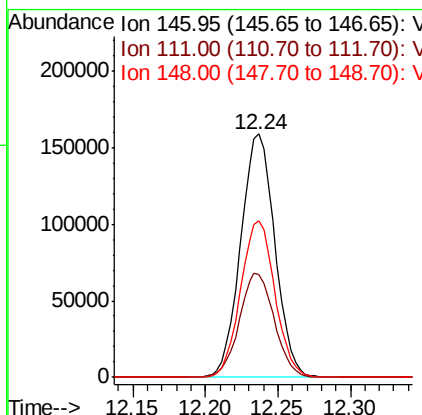
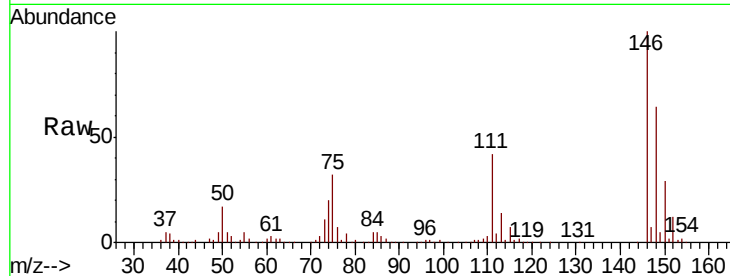




#65
 1,2-Dichlorobenzene
 Concen: 4.951 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

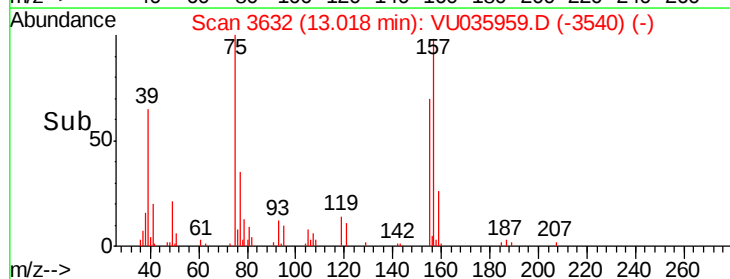
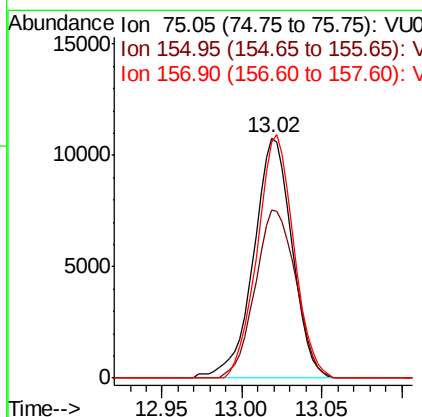
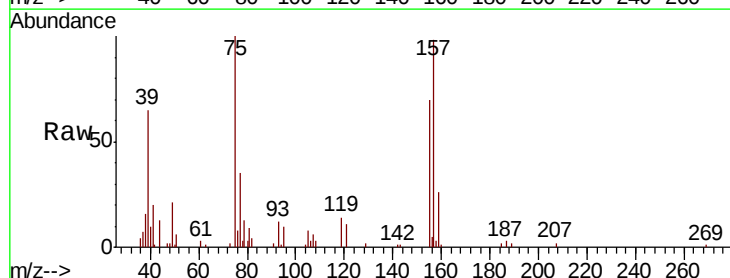
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

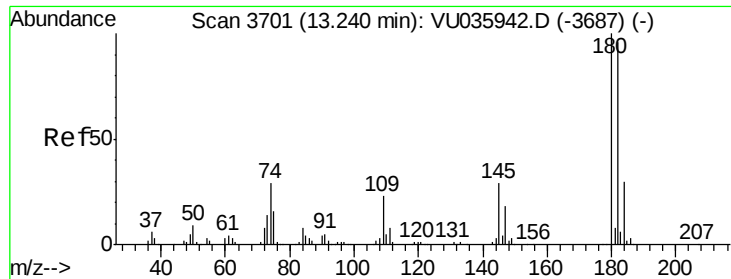
Tot Ion:146 Resp: 261136
 Ion Ratio Lower Upper
 146 100
 111 42.0 32.6 48.8
 148 64.4 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.333 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

Tgt Ion: 75 Resp: 17803
 Ion Ratio Lower Upper
 75 100
 155 70.0 55.1 82.7
 157 98.5 74.0 111.0

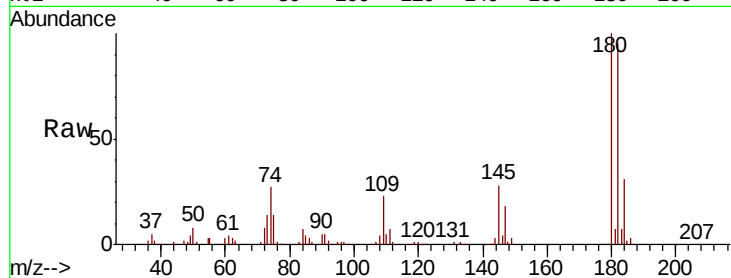




#67
 1,3,5-Trichlorobenzene
 Concen: 4.868 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.2	115.8
184	30.2	24.5	36.7
145	28.7	23.0	34.6



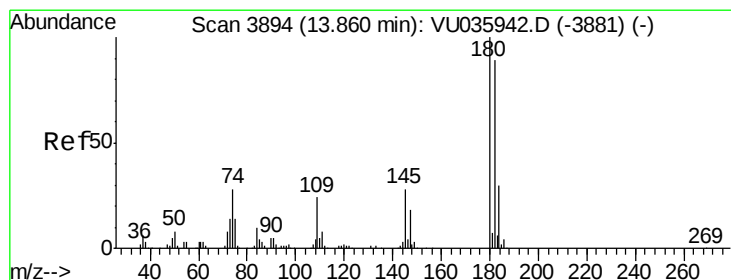
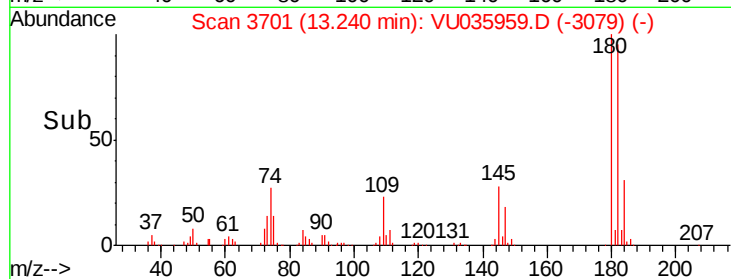
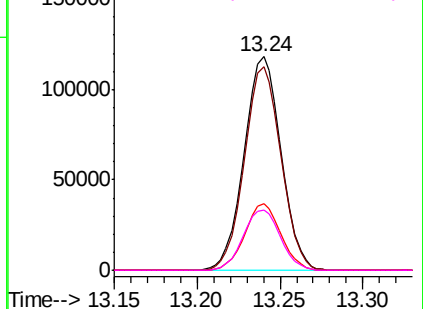
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

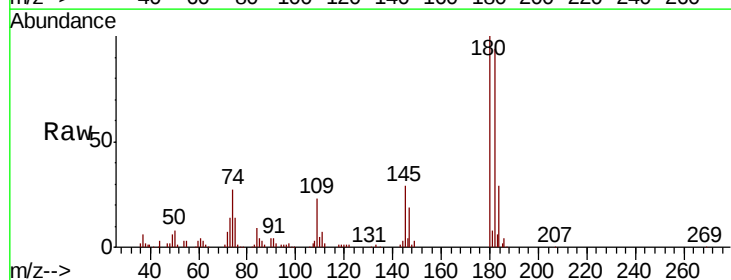
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.694 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU035959.D
 Acq: 03 Dec 2019 19:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.5	111.7
145	28.5	23.4	35.0

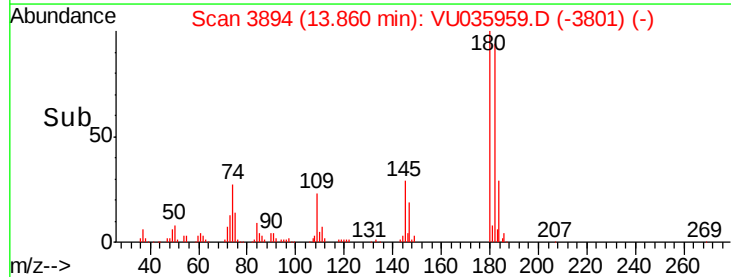
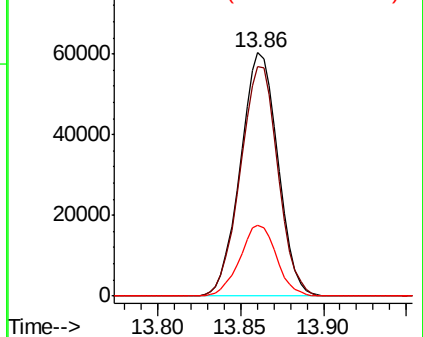


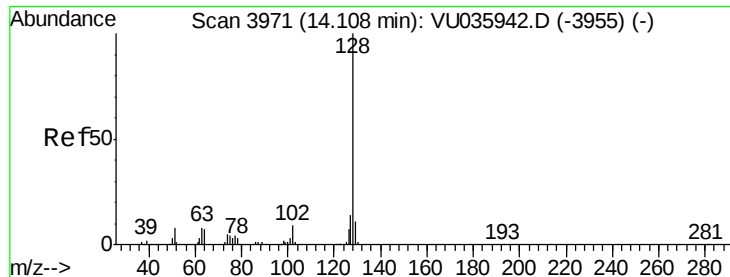
Abundance

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: 3.698 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

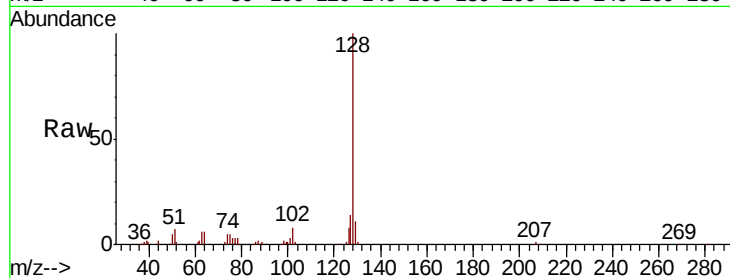
Tot Ion:128 Resp: 85002

Ion Ratio Lower Upper

128 100

129 10.3 8.4 12.6

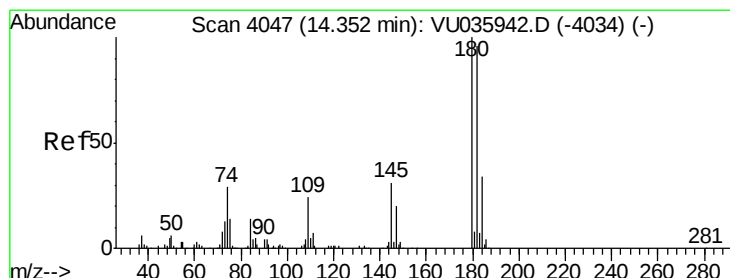
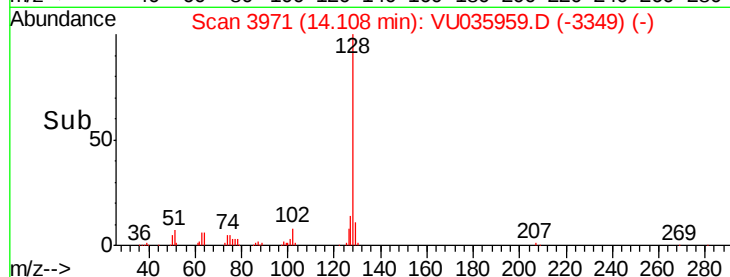
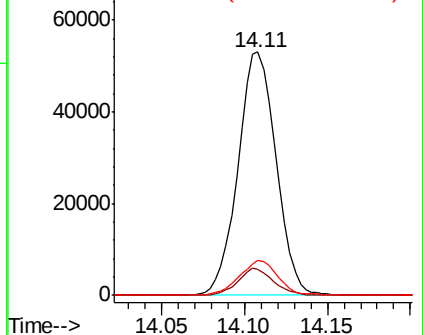
127 14.4 10.6 15.8



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: 4.651 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU035959.D

Acq: 03 Dec 2019 19:57

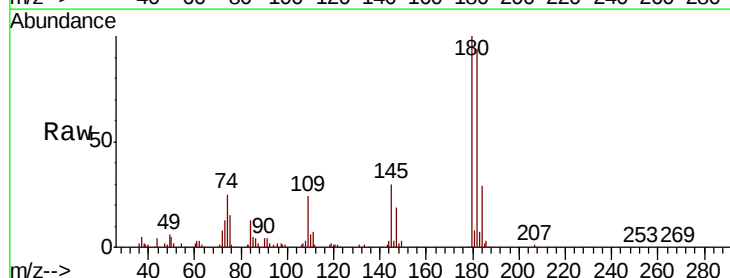
Tgt Ion:180 Resp: 92970

Ion Ratio Lower Upper

180 100

182 95.7 74.6 112.0

145 30.3 24.3 36.5



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

