

Data File : VU034727.D
Acq On : 23 Sep 2019 11:32
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Sep 24 01:50:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 23 10:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	512270	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	497084	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	246977	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	216041	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.40%
7) Chloroethane-d5	1.67	69	167828	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.82%
11) 1,1-Dichloroethene-d2	2.26	63	396857	44.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.38%
21) 2-Butanone-d5	4.15	46	392368	97.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.62%
24) Chloroform-d	4.62	84	361079	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	5.28	65	257272	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.31	84	723781	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
36) 1,2-Dichloropropane-d6	6.31	67	254209	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.42%
41) Toluene-d8	7.54	98	702302	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%
43) trans-1,3-Dichloropropene-	7.83	79	123531	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
47) 2-Hexanone-d5	8.29	63	250309	92.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	341350	45.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.36%
64) 1,2-Dichlorobenzene-d4	11.84	152	247743	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	260219	49.286	ug/L	100
3) Chloromethane	1.32	50	300552	47.523	ug/L	99
5) Vinyl chloride	1.40	62	277008	47.956	ug/L	100
6) Bromomethane	1.62	94	152347	48.291	ug/L	95
8) Chloroethane	1.69	64	158424	47.641	ug/L	99
9) Trichlorofluoromethane	1.87	101	347366	47.694	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	174248	49.898	ug/L	98
12) 1,1-Dichloroethene	2.27	96	161340	48.138	ug/L	93
13) Acetone	2.31	43	423955	90.677	ug/L	98
14) Carbon disulfide	2.46	76	547844	48.445	ug/L	98
15) Methyl Acetate	2.60	43	305183	48.865	ug/L	100
16) Methylene chloride	2.68	84	202729	47.751	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	182487	49.800	ug/L	90
18) Methyl tert-butyl Ether	2.98	73	671535	49.397	ug/L	99
19) 1,1-Dichloroethane	3.42	63	413518	49.192	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	210988	49.243	ug/L	96
22) 2-Butanone	4.23	43	521143	93.692	ug/L	99

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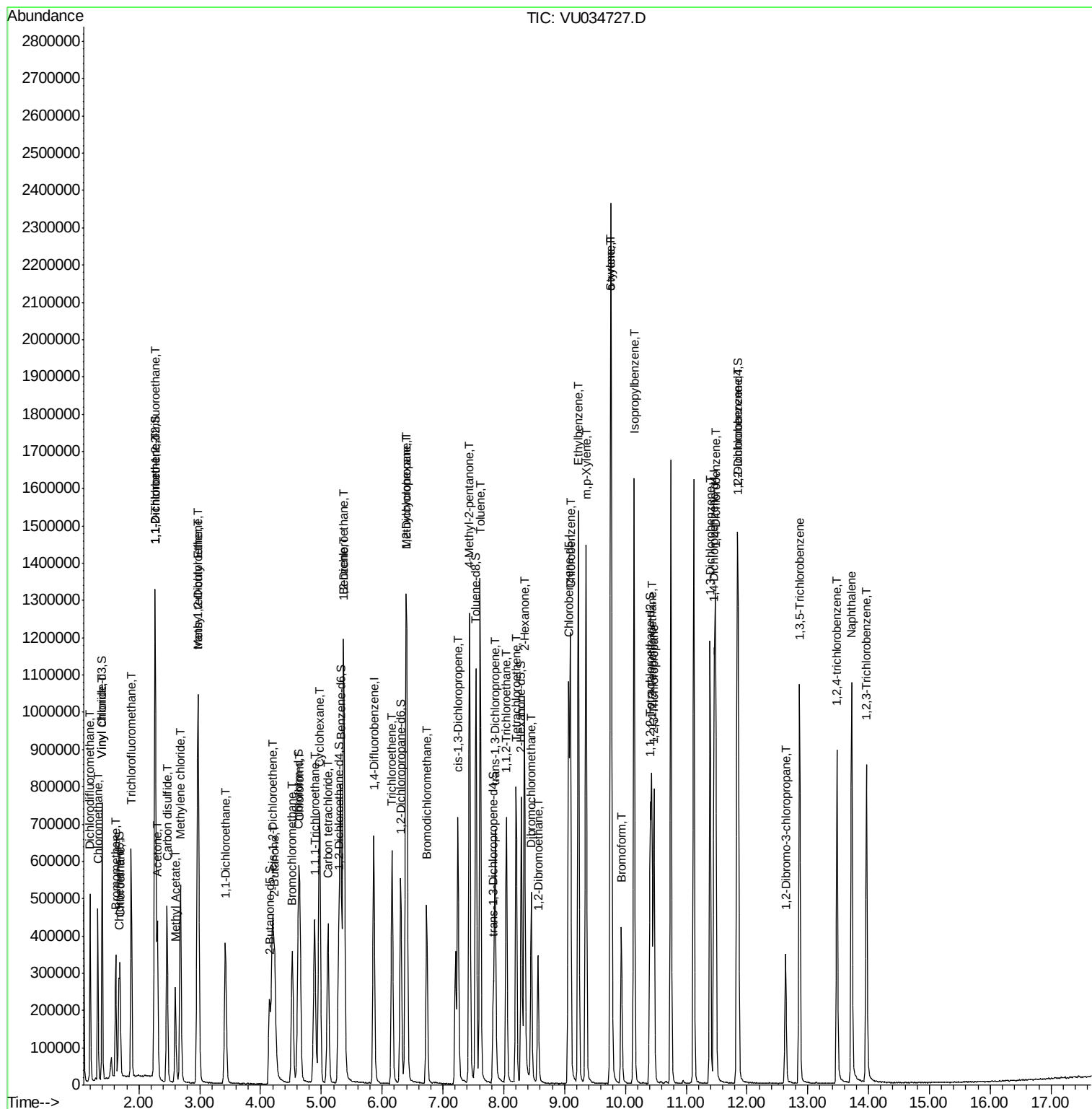
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	104234	50.826	ug/L	94
25) Chloroform	4.65	83	392150	47.373	ug/L	97
27) 1,2-Dichloroethane	5.38	62	338688	47.364	ug/L	99
29) Cyclohexane	4.97	56	398950	48.625	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	328885	48.612	ug/L	97
31) Carbon tetrachloride	5.11	117	284289	49.304	ug/L	97
33) Benzene	5.36	78	845760	49.058	ug/L	100
34) Trichloroethene	6.16	95	209949	49.310	ug/L	97
35) Methylcyclohexane	6.39	83	360014	49.826	ug/L	99
37) 1,2-Dichloropropane	6.41	63	249506	48.604	ug/L	100
38) Bromodichloromethane	6.73	83	298921	48.016	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	377532	48.946	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	915286	93.390	ug/L	98
42) Toluene	7.61	91	918481	49.296	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	347829	50.022	ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	201983	49.121	ug/L	98
46) Tetrachloroethene	8.21	164	157803	52.690	ug/L	93
48) 2-Hexanone	8.34	43	721752	94.291	ug/L	98
49) Dibromochloromethane	8.45	129	235025	51.278	ug/L	97
50) 1,2-Dibromoethane	8.56	107	223288	50.385	ug/L	99
51) Chlorobenzene	9.10	112	560339	49.473	ug/L	99
52) Ethylbenzene	9.23	91	1031552	49.166	ug/L	99
53) m,p-Xylene	9.35	106	377600	50.812	ug/L	97
54) o-xylene	9.76	106	371120	50.491	ug/L	98
55) Styrene	9.77	104	628138	50.486	ug/L	99
56) Isopropylbenzene	10.14	105	990663	49.986	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	378766	47.959	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	298718	46.590	ug/L	99
61) Bromoform	9.94	173	170927	50.266	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	430391	50.320	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	429414	49.286	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	427619	49.481	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	87775	47.784	ug/L	94
67) 1,3,5-Trichlorobenzene	12.86	180	302199	52.733	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	249294	55.319	ug/L	98
69) Naphthalene	13.72	128	828524	53.108	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	247590	53.394	ug/L	98

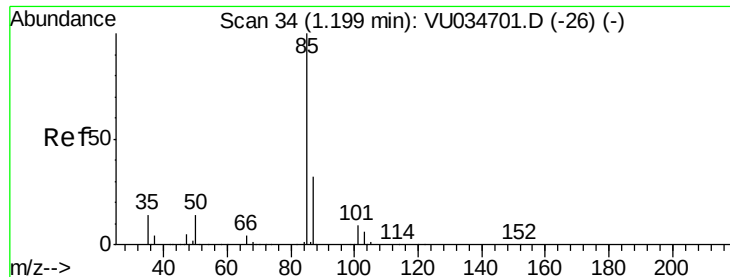
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.286 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

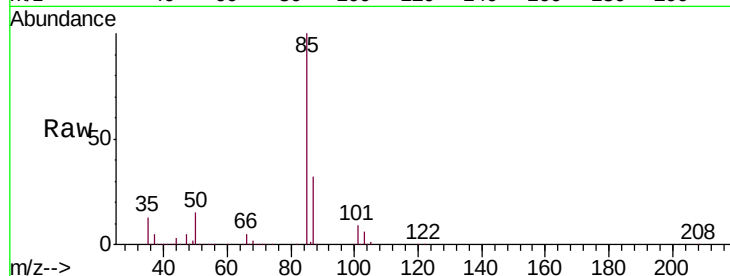
VSTD05040

Tgt Ion: 85 Resp: 260219

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU034727.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034727.D (-1) (-)

1.20

250000

200000

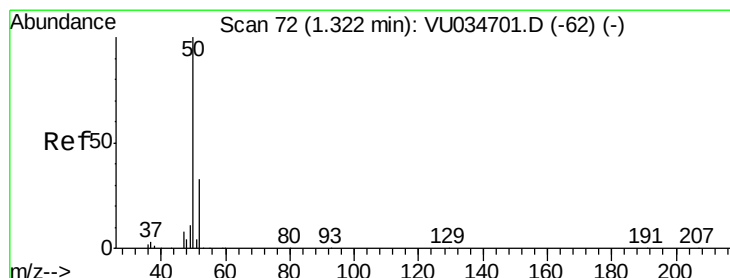
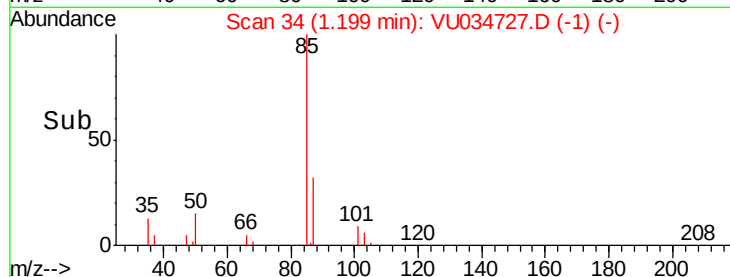
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.523 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034727.D

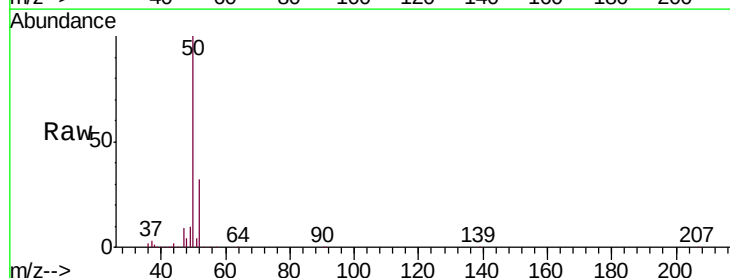
Acq: 23 Sep 2019 11:32

Tgt Ion: 50 Resp: 300552

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU034727.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034727.D (-1) (-)

1.32

300000

250000

200000

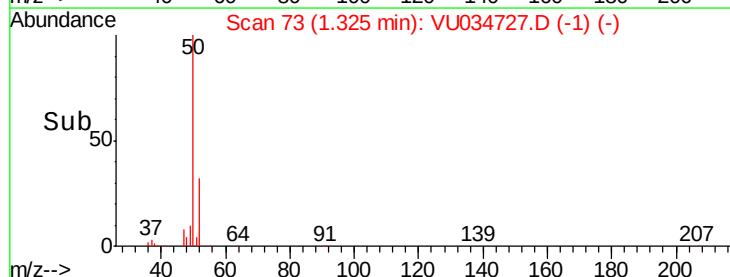
150000

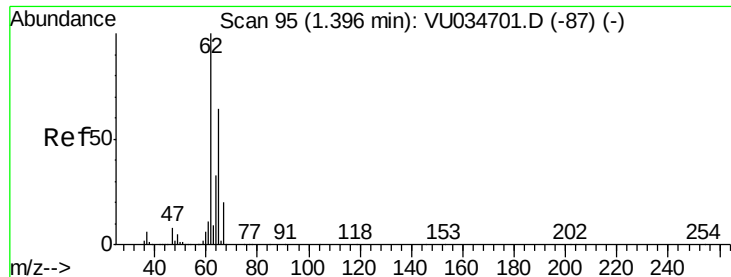
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.956 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

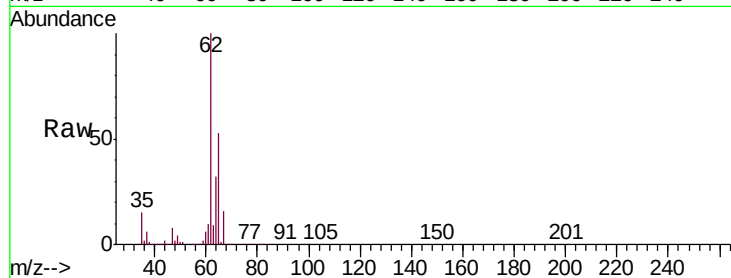
VSTD05040

Tgt Ion: 62 Resp: 277008

Ion Ratio Lower Upper

62 100

64 32.0 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

250000

200000

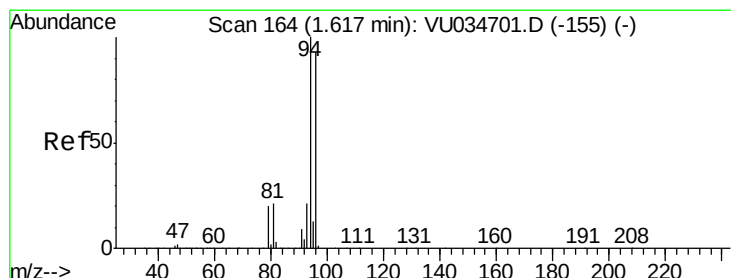
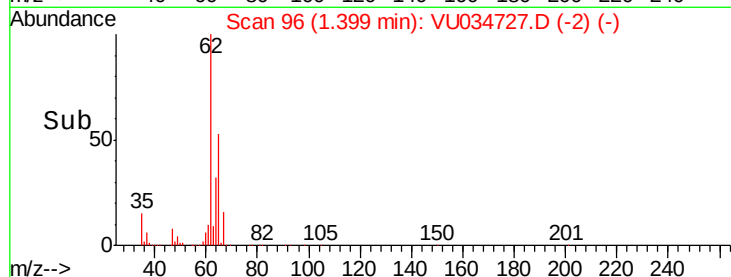
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.291 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034727.D

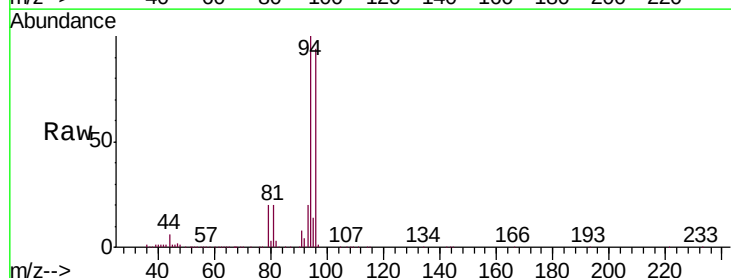
Acq: 23 Sep 2019 11:32

Tgt Ion: 94 Resp: 152347

Ion Ratio Lower Upper

94 100

96 94.2 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

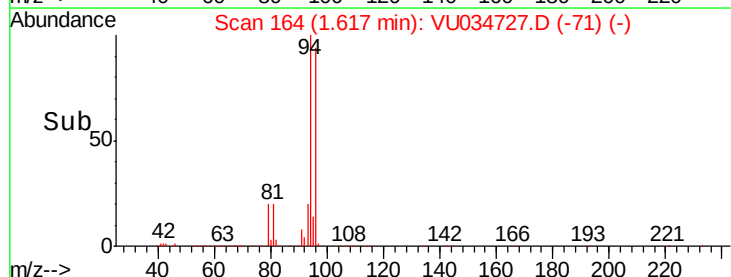
1.62

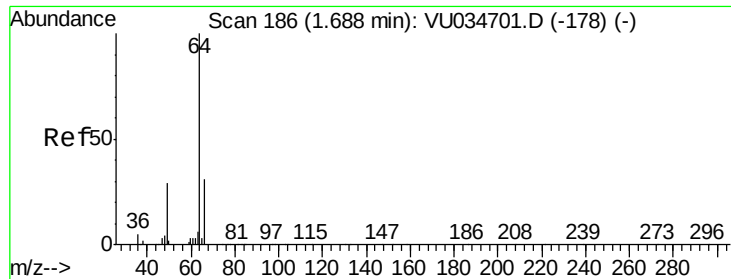
100000

50000

0

Time-->

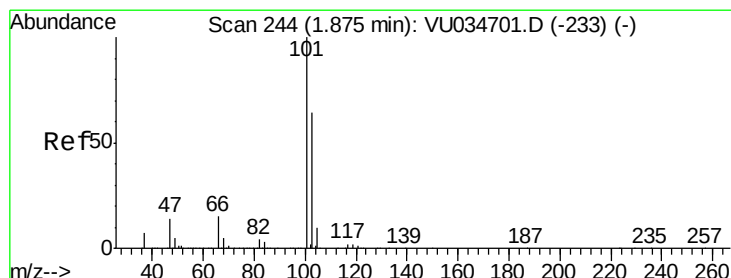
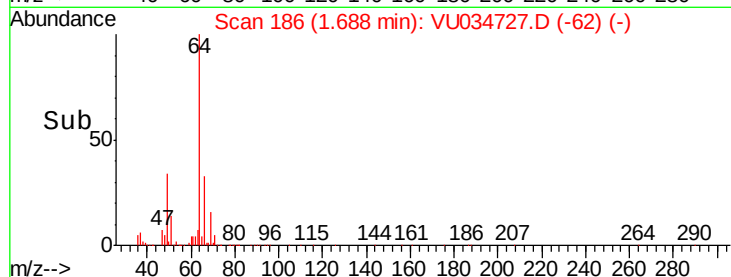
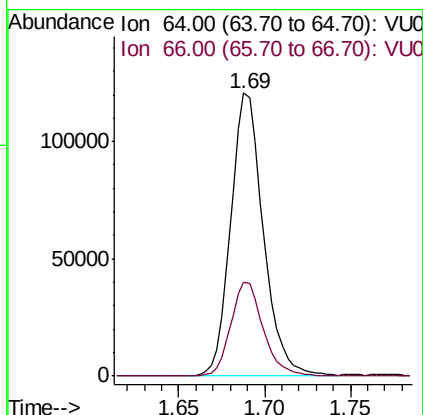
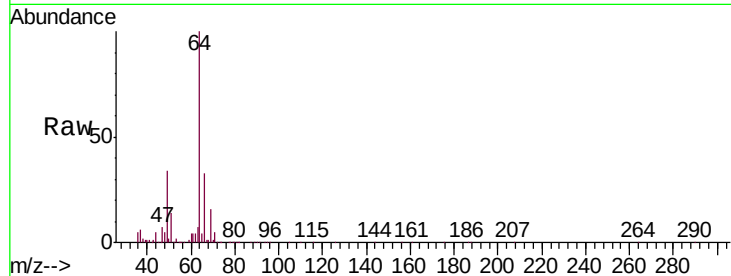




#8
 Chloroethane
 Concen: 47.641 ug/L
 RT: 1.69 min Scan# 186
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

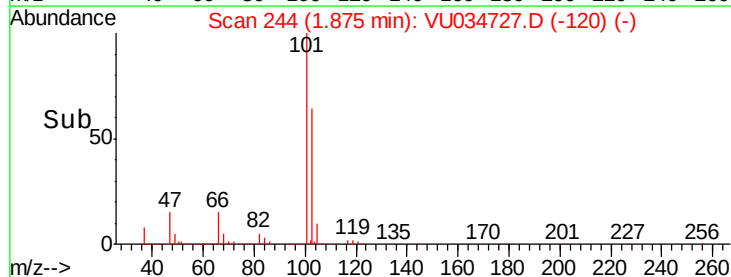
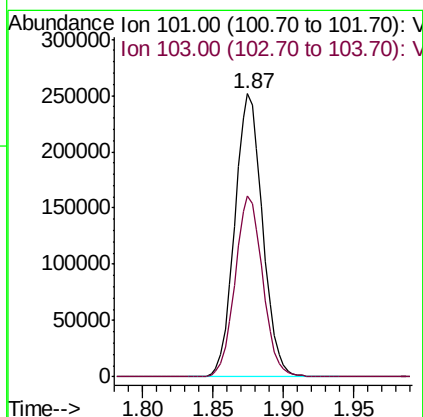
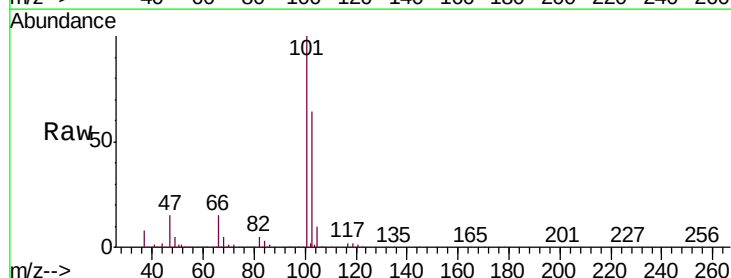
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05040

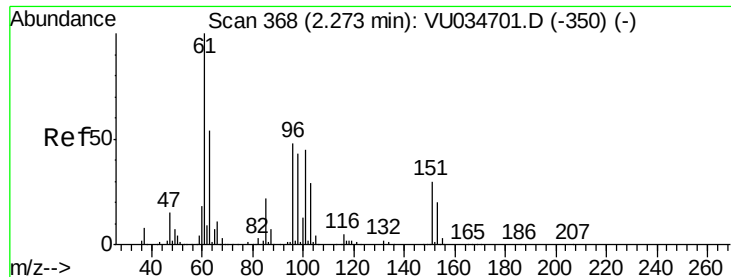
Tgt Ion: 64 Resp: 158424
 Ion Ratio Lower Upper
 64 100
 66 33.4 23.1 42.9



#9
 Trichlorofluoromethane
 Concen: 47.694 ug/L
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Tgt Ion: 101 Resp: 347366
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.8 77.8





#10

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

Concen: 49.898 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

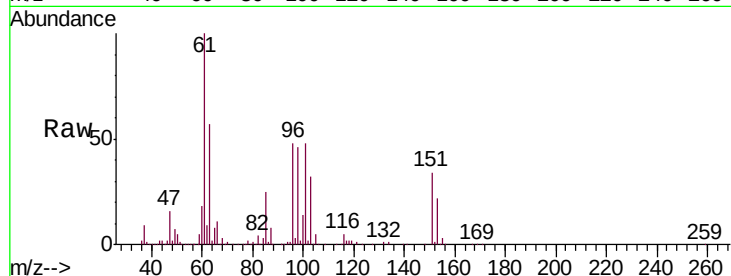
Tgt Ion: 101 Resp: 174248

Ion Ratio Lower Upper

101 100

85 49.5 39.0 58.4

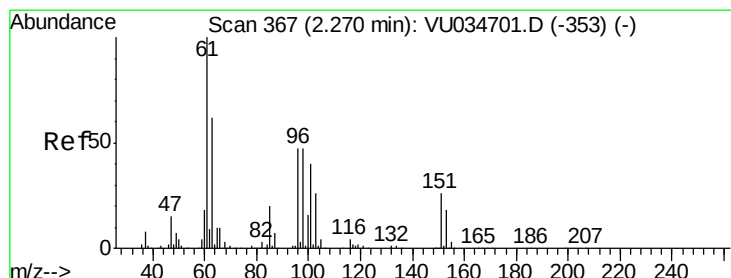
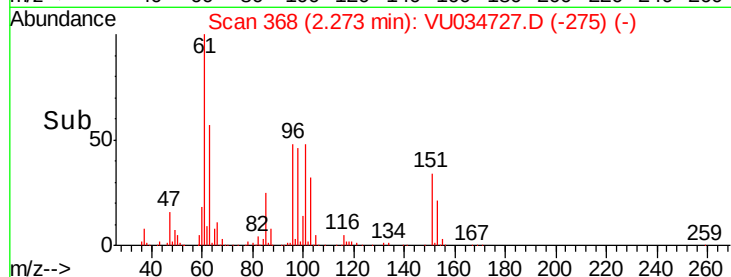
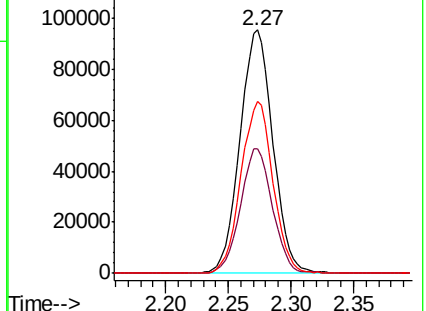
151 68.7 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VU034727.D (-275) (-)

Ion 85.00 (84.70 to 85.70): VU034727.D (-275) (-)

Ion 151.00 (150.70 to 151.70): VU034727.D (-275) (-)



#12

1,1-Dichloroethene

Concen: 48.138 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

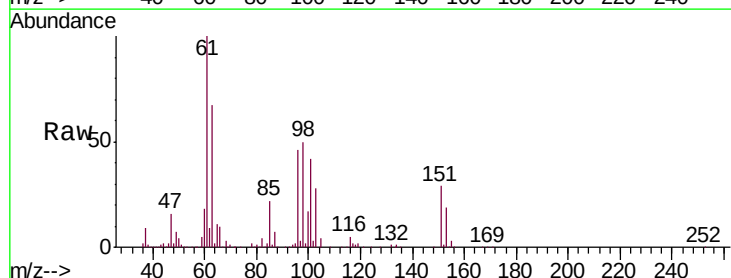
Tgt Ion: 96 Resp: 161340

Ion Ratio Lower Upper

96 100

61 215.8 153.2 284.4

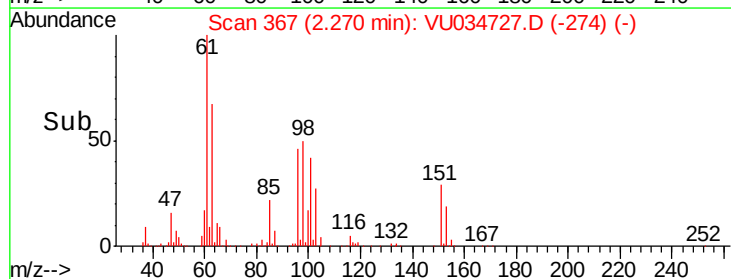
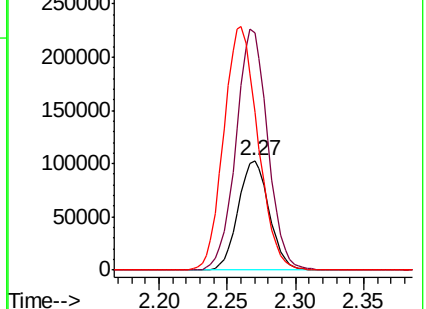
63 144.0 113.8 211.3

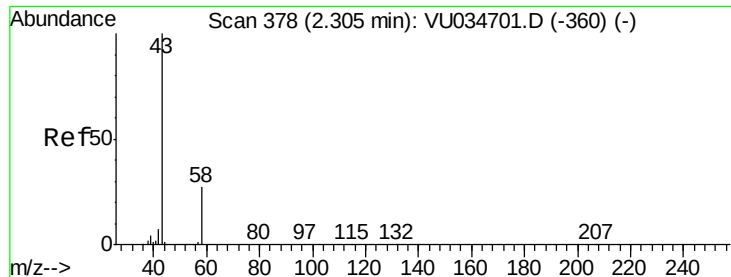


Abundance Ion 96.00 (95.70 to 96.70): VU034727.D (-274) (-)

Ion 61.00 (60.70 to 61.70): VU034727.D (-274) (-)

Ion 63.00 (62.70 to 63.70): VU034727.D (-274) (-)





#13

Acetone

Concen: 90.677 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

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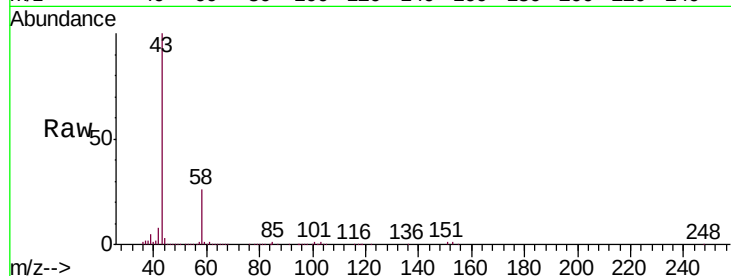
VSTD05040

Tgt Ion: 43 Resp: 423955

Ion Ratio Lower Upper

43 100

58 25.8 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034727.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU034727.D (-360) (-)

2.31

250000

200000

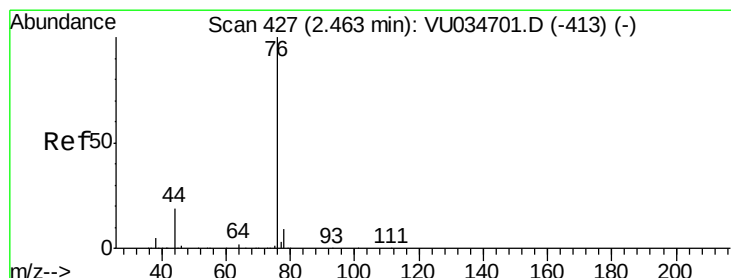
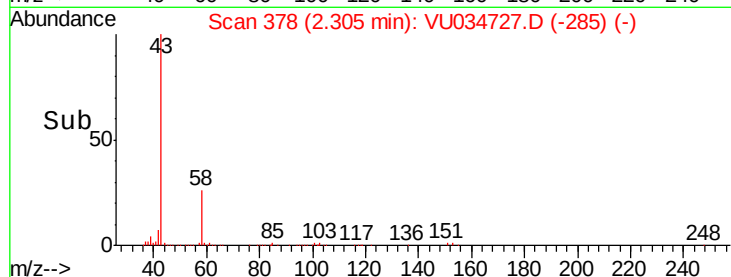
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 48.445 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034727.D

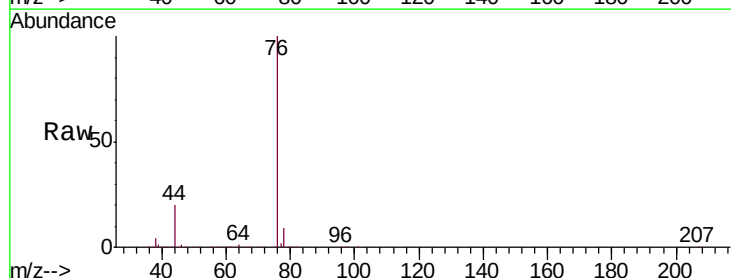
Acq: 23 Sep 2019 11:32

Tgt Ion: 76 Resp: 547844

Ion Ratio Lower Upper

76 100

78 9.4 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VU034727.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034727.D (-334) (-)

2.46

400000

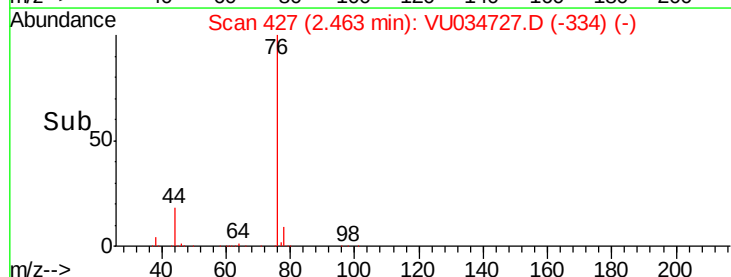
300000

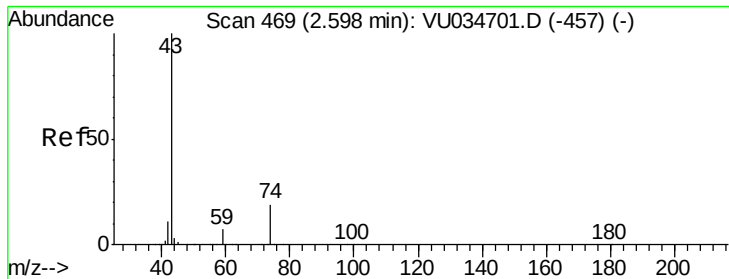
200000

100000

0

Time--> 2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 48.865 ug/L

RT: 2.60 min Scan# 469

Delta R.T. -0.00 min

Lab File: VU034727.D

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Instrument :

MSVOA_U

ClientSampleId :

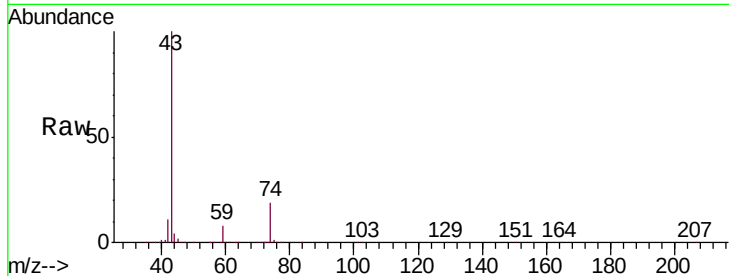
VSTD05040

Tgt Ion: 43 Resp: 305183

Ion Ratio Lower Upper

43 100

74 17.8 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VU034727.D (-457) (-)

Ion 74.00 (73.70 to 74.70): VU034727.D (-457) (-)

2.60

150000

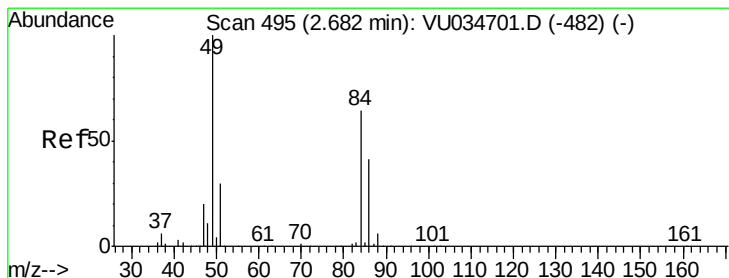
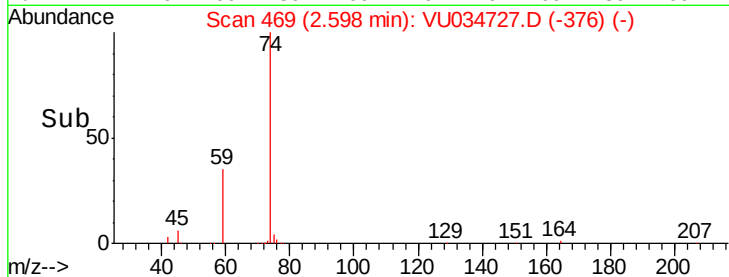
100000

50000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 47.751 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

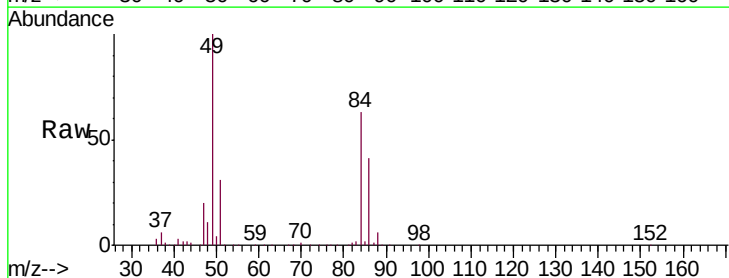
Tgt Ion: 84 Resp: 202729

Ion Ratio Lower Upper

84 100

86 64.4 43.0 80.0

49 158.9 109.7 203.7



Abundance Ion 84.00 (83.70 to 84.70): VU034727.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU034727.D (-482) (-)

Ion 49.00 (48.70 to 49.70): VU034727.D (-482) (-)

2.68

150000

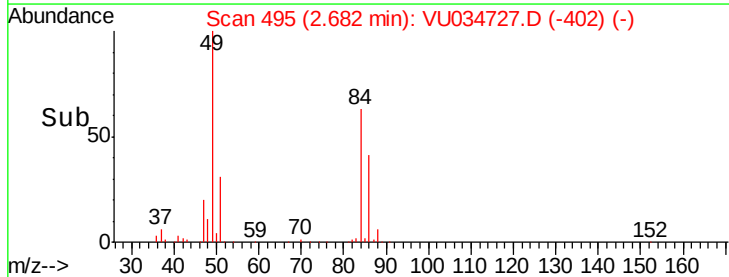
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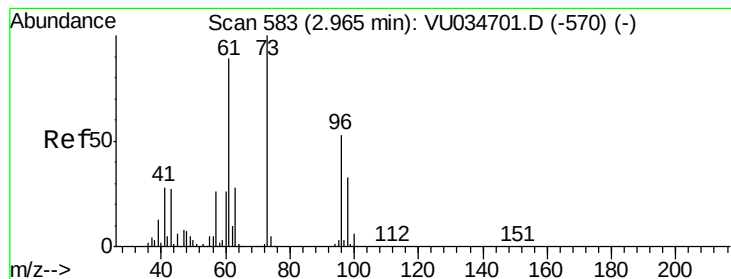
50000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#17

trans-1,2-Dichloroethene

Concen: 49.800 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

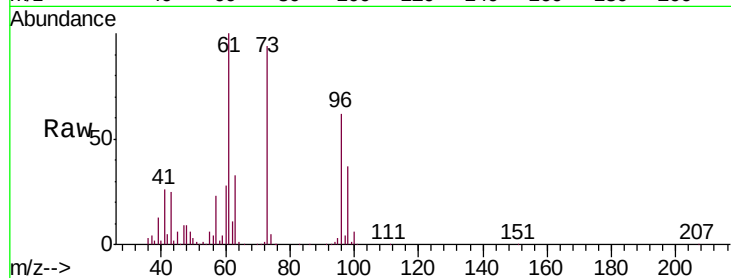
Tgt Ion: 96 Resp: 182487

Ion Ratio Lower Upper

96 100

61 162.1 124.0 230.4

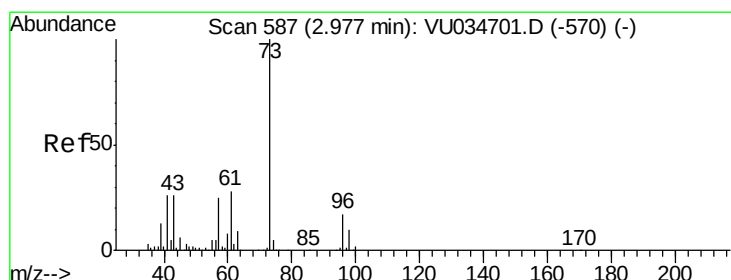
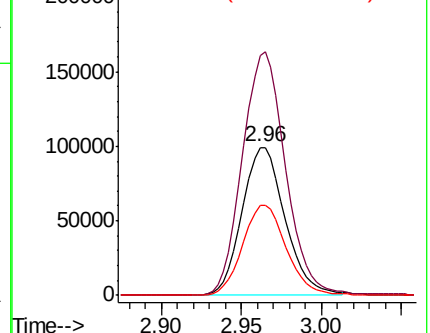
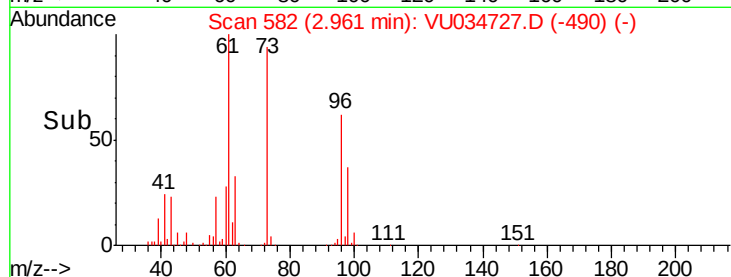
98 60.3 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU034727.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034727.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034727.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 49.397 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

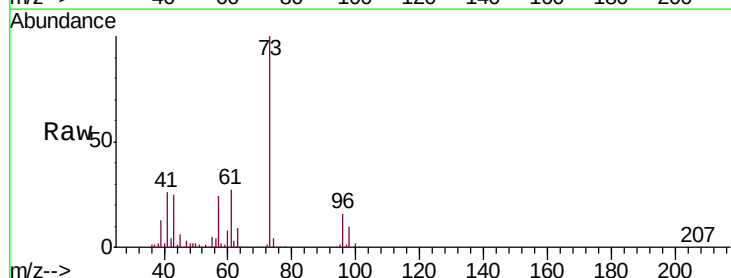
Tgt Ion: 73 Resp: 671535

Ion Ratio Lower Upper

73 100

43 25.1 20.9 31.3

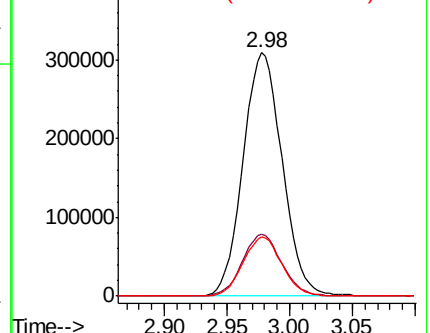
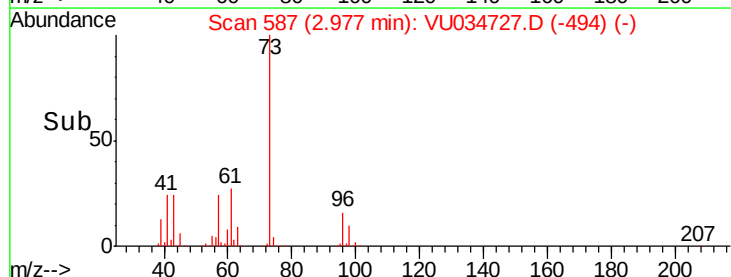
57 24.2 19.5 29.3

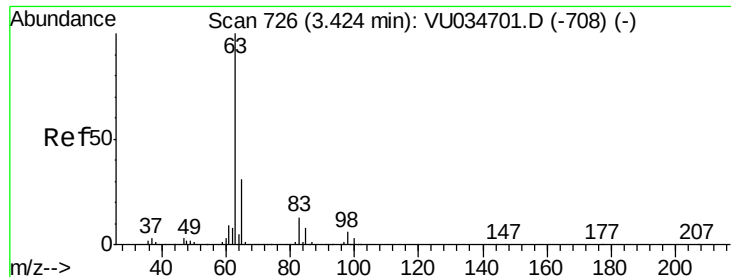


Abundance Ion 73.00 (72.70 to 73.70): VU034727.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU034727.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU034727.D (-494) (-)

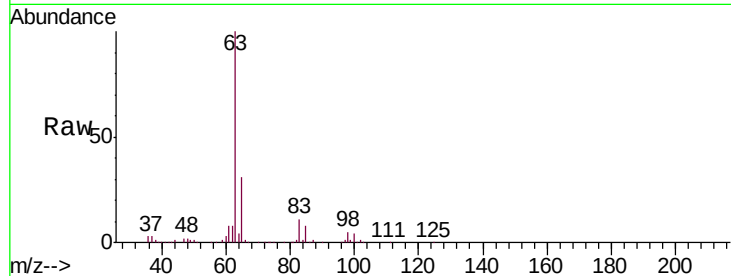




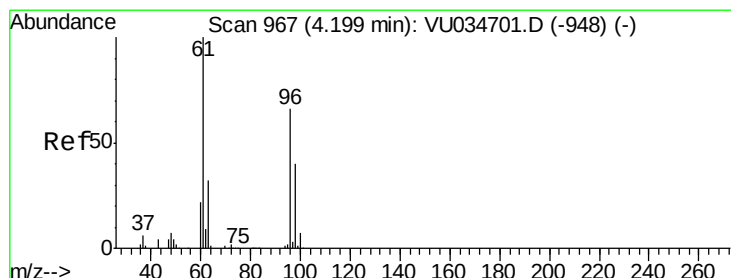
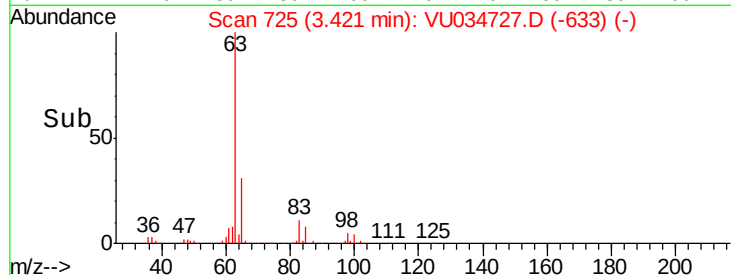
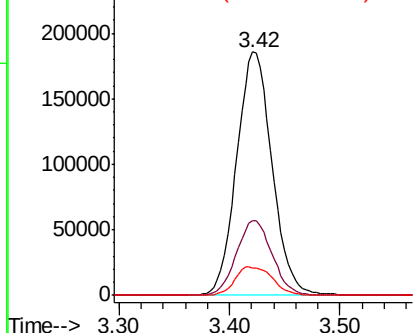
#19
 1,1-Dichloroethane
 Concen: 49.192 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Tgt Ion: 63 Resp: 413518
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.0 40.8
 83 11.4 8.9 16.5

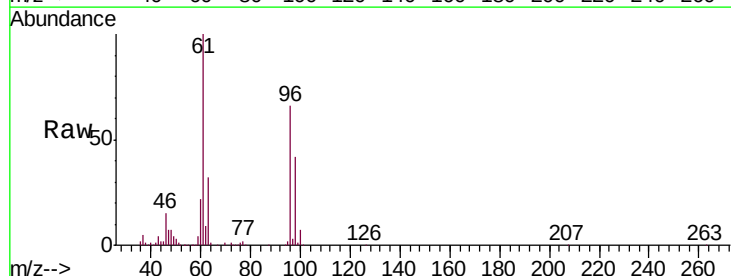


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

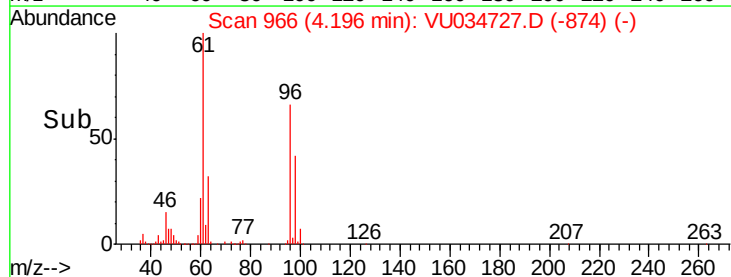
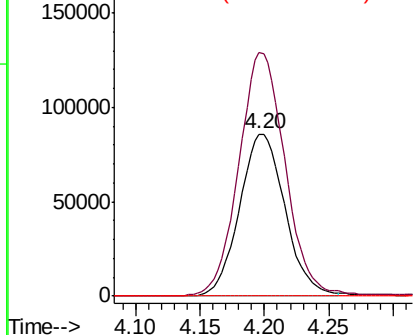


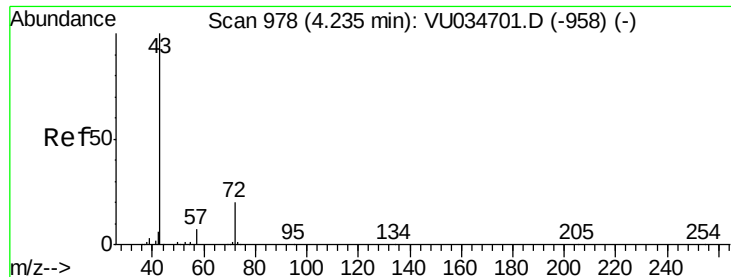
#20
 cis-1,2-Dichloroethene
 Concen: 49.243 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Tgt Ion: 96 Resp: 210988
 Ion Ratio Lower Upper
 96 100
 61 150.5 108.8 202.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 93.692 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

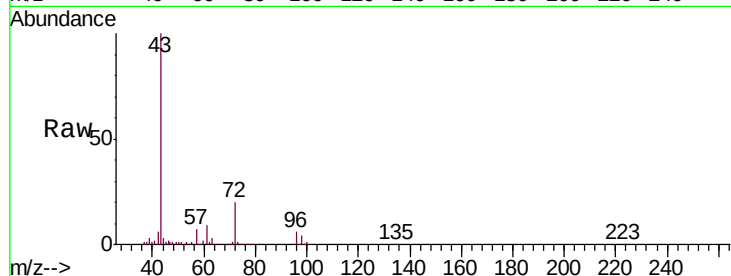
VSTD05040

Tgt Ion: 43 Resp: 521143

Ion Ratio Lower Upper

43 100

72 19.8 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034727.D (-977) (-)

Ion 72.00 (71.70 to 72.70): VU034727.D (-977) (-)

4.23

200000

150000

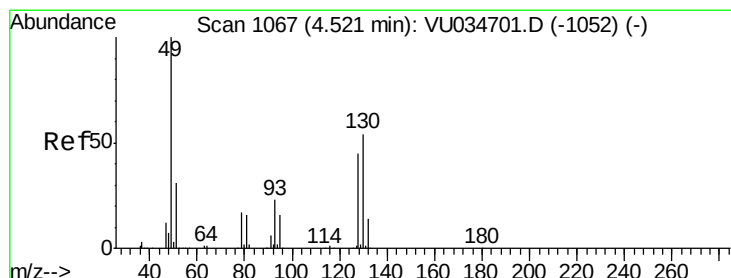
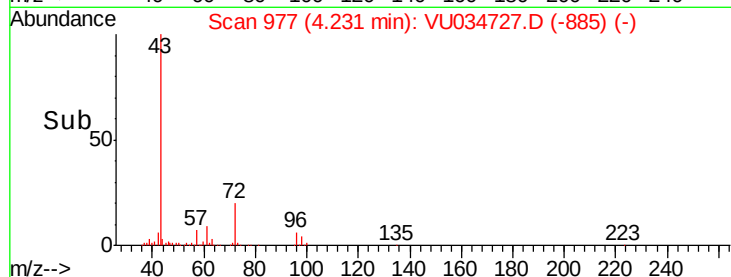
100000

50000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 50.826 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Tgt Ion: 128 Resp: 104234

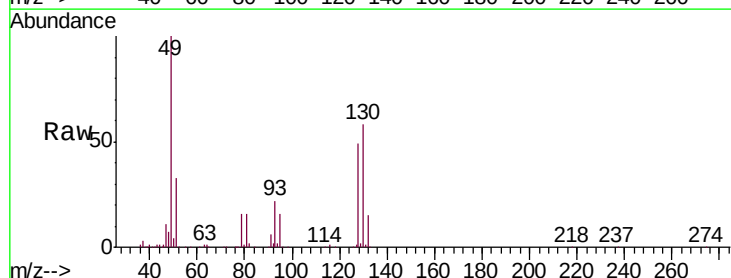
Ion Ratio Lower Upper

128 100

49 203.6 154.3 286.7

130 118.1 83.0 154.2

51 68.0 56.4 84.6



Abundance Ion 128.00 (127.70 to 128.70): VU034727.D (-1068) (-)

Ion 49.00 (48.70 to 49.70): VU034727.D (-1068) (-)

Ion 130.00 (129.70 to 130.70): VU034727.D (-1068) (-)

Ion 51.00 (50.70 to 51.70): VU034727.D (-1068) (-)

150000

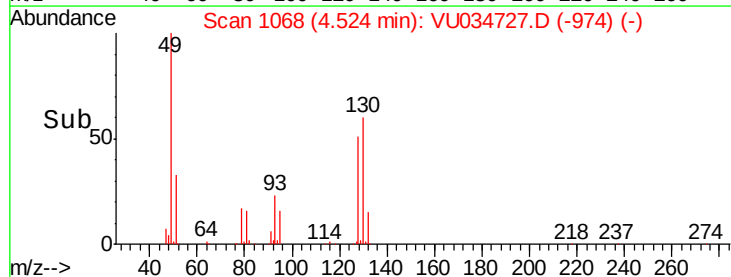
100000

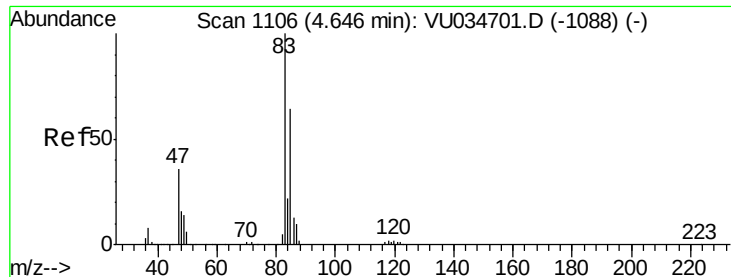
50000

0

4.45 4.50 4.55 4.60

Time-->

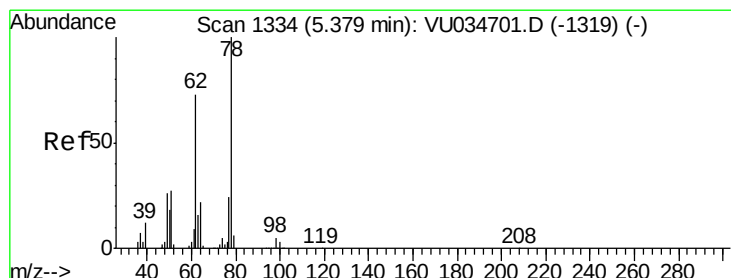
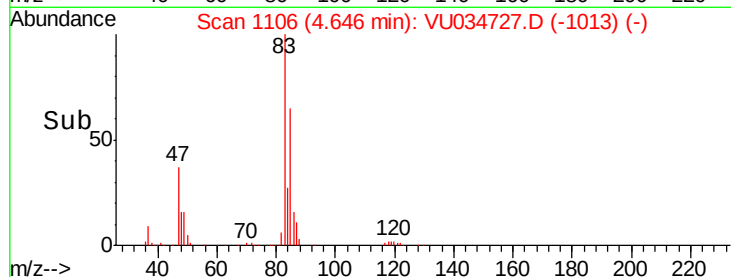
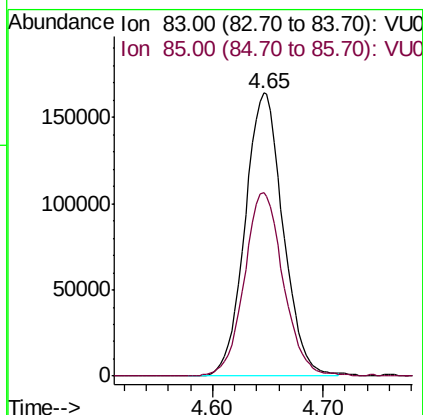
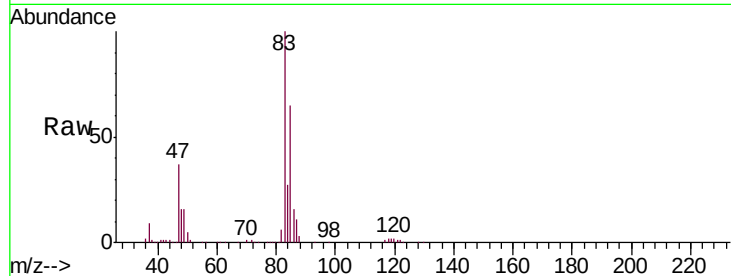




#25
Chloroform
Concen: 47.373 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

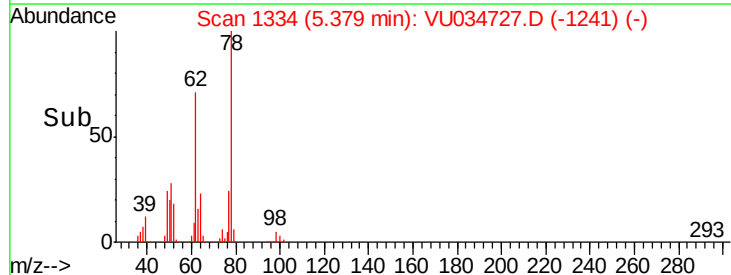
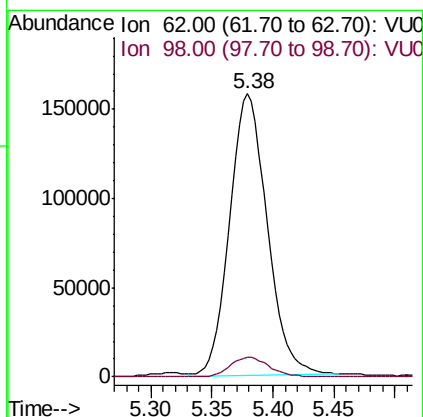
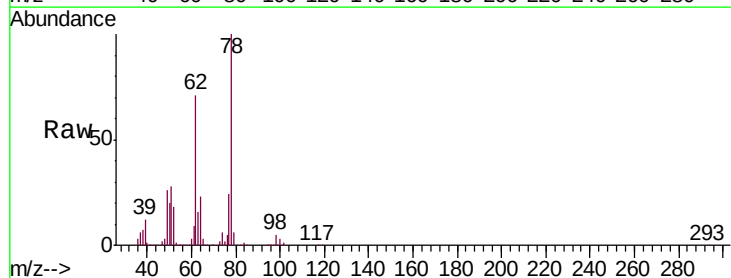
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

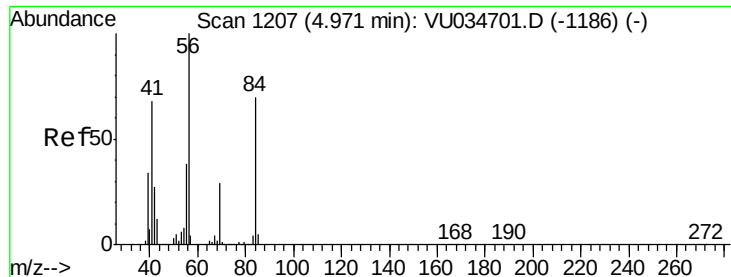
Tgt Ion: 83 Resp: 392150
Ion Ratio Lower Upper
83 100
85 65.0 44.0 81.6



#27
1,2-Dichloroethane
Concen: 47.364 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

Tgt Ion: 62 Resp: 338688
Ion Ratio Lower Upper
62 100
98 7.0 5.3 7.9

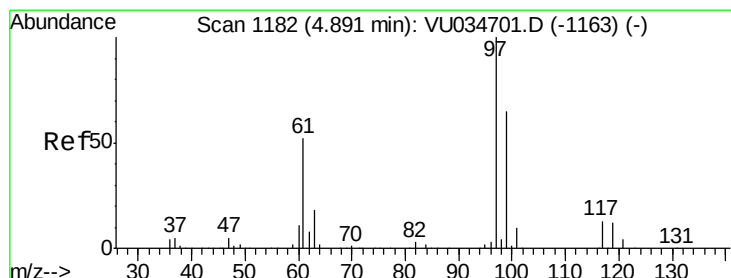
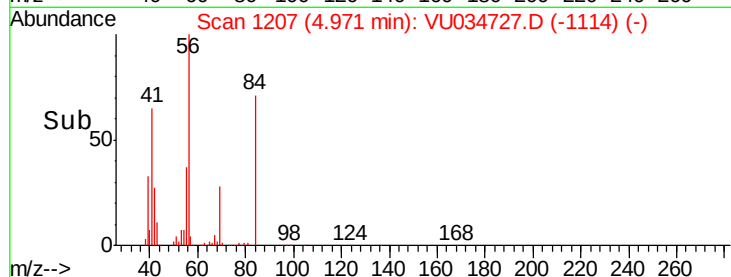
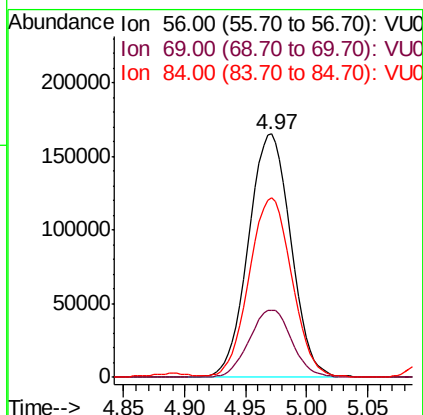
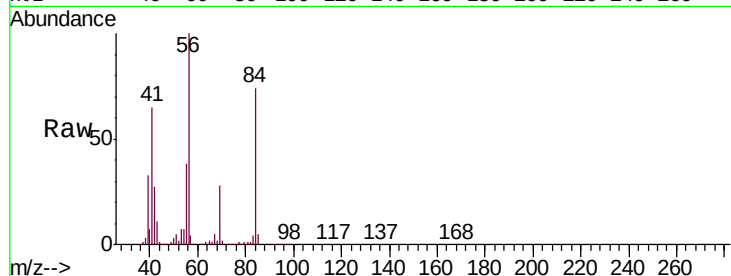




#29
Cyclohexane
Concen: 48.625 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

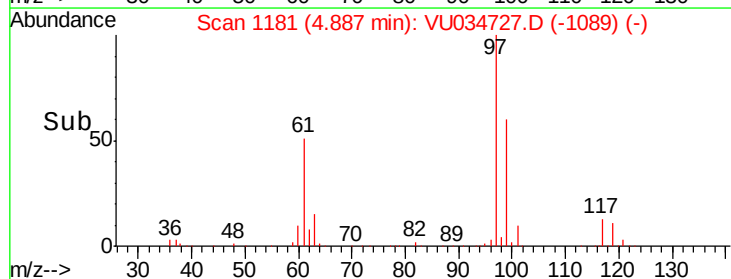
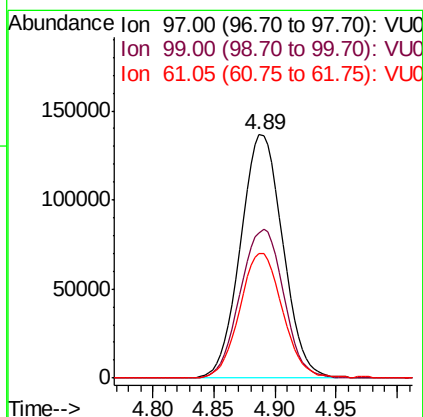
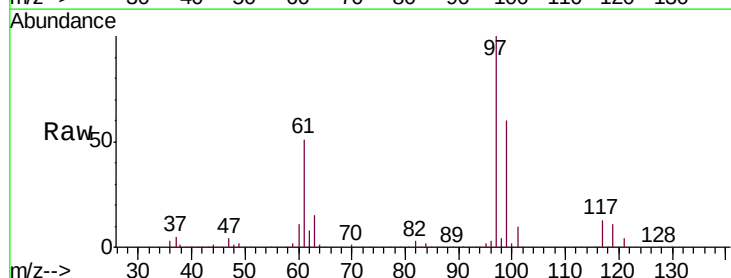
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

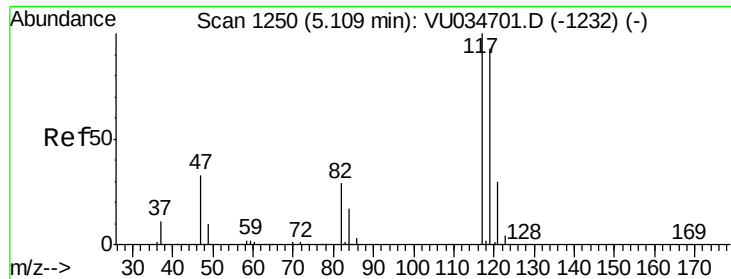
Tgt Ion: 56 Resp: 398950
Ion Ratio Lower Upper
56 100
69 27.8 21.7 32.5
84 74.1 58.8 88.2



#30
1,1,1-Trichloroethane
Concen: 48.612 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

Tgt Ion: 97 Resp: 328885
Ion Ratio Lower Upper
97 100
99 62.7 51.8 77.8
61 51.8 43.4 65.0

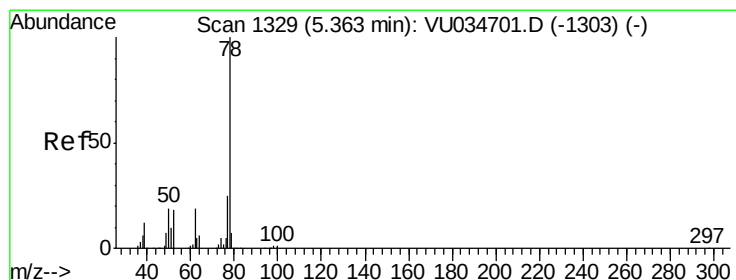
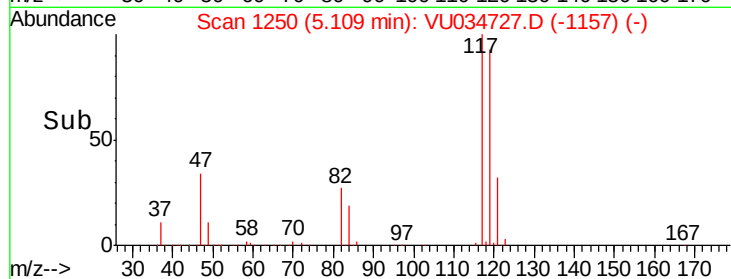
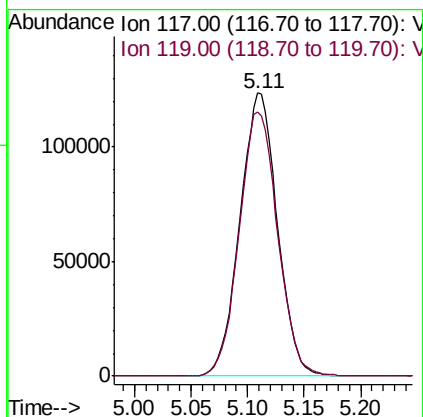
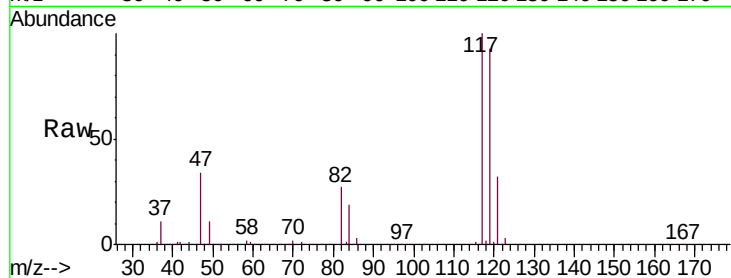




#31
Carbon tetrachloride
Concen: 49.304 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

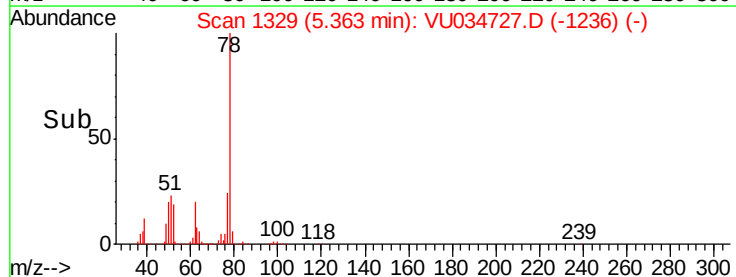
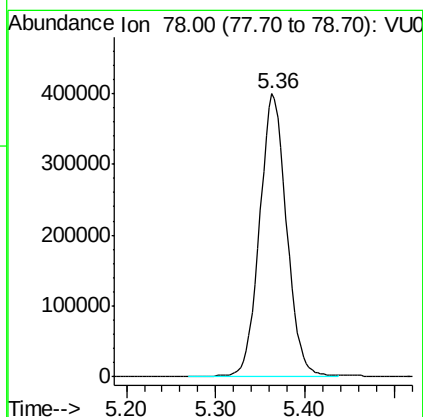
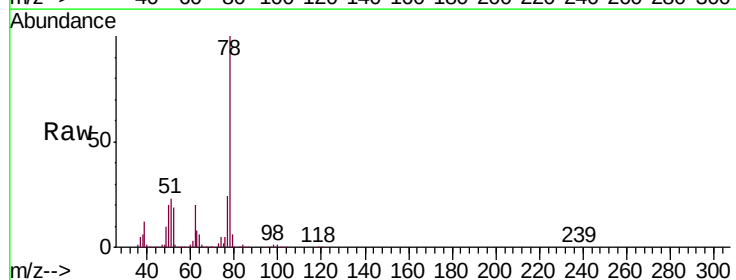
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

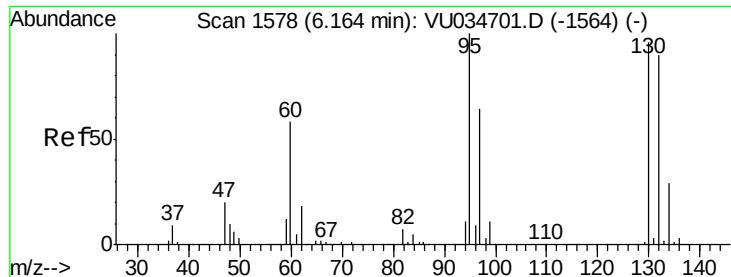
Tgt Ion:117 Resp: 284289
Ion Ratio Lower Upper
117 100
119 96.0 74.8 112.2



#33
Benzene
Concen: 49.058 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

Tgt Ion: 78 Resp: 845760





#34

Trichloroethene

Concen: 49.310 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

Tgt Ion: 95 Resp: 209949

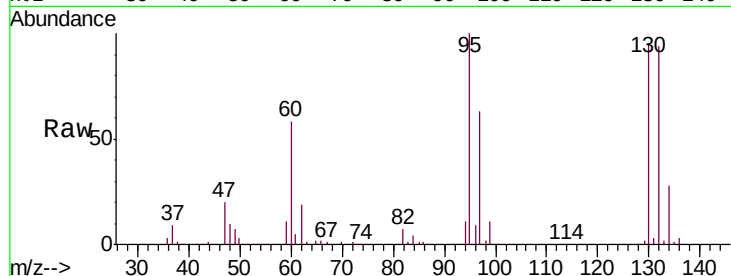
Ion Ratio Lower Upper

95 100

97 63.3 43.7 81.1

132 94.0 61.0 113.2

130 94.9 65.7 121.9

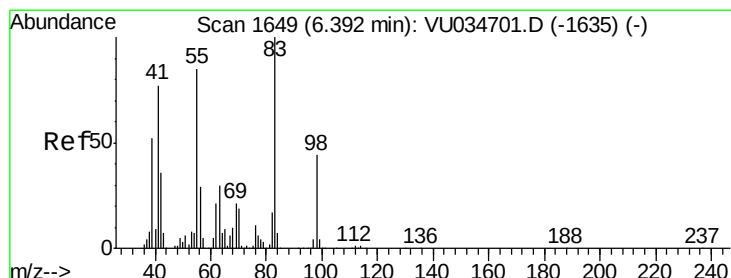
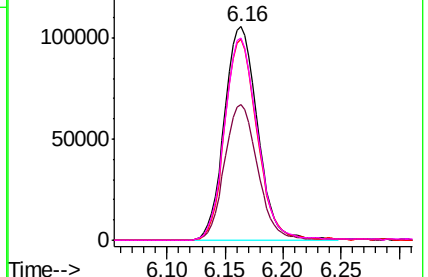
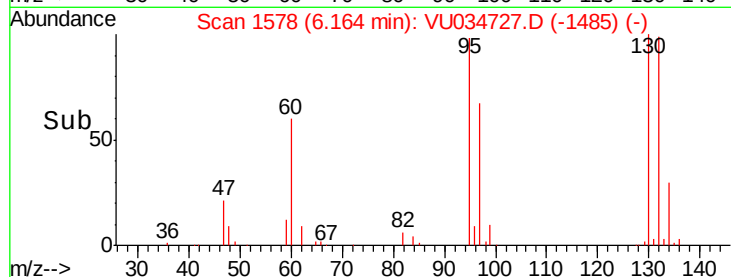


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 49.826 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

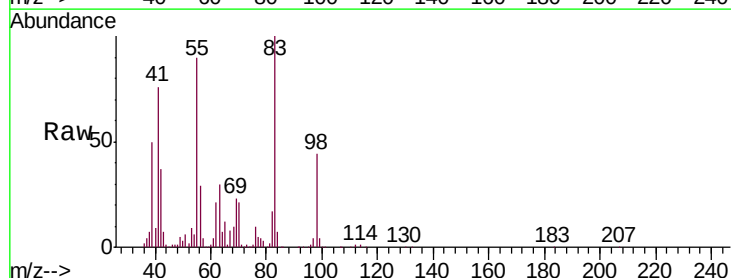
Tgt Ion: 83 Resp: 360014

Ion Ratio Lower Upper

83 100

55 88.0 71.6 107.4

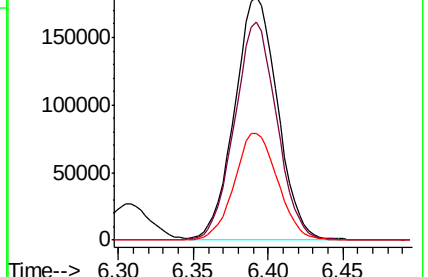
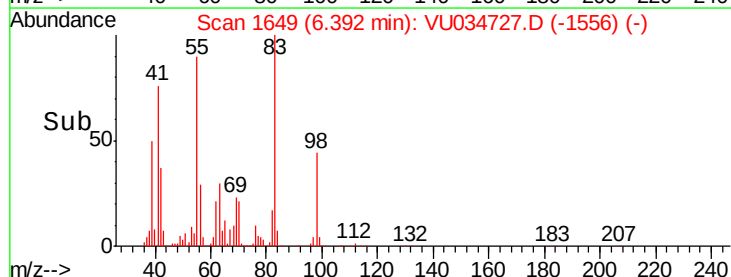
98 44.3 35.7 53.5

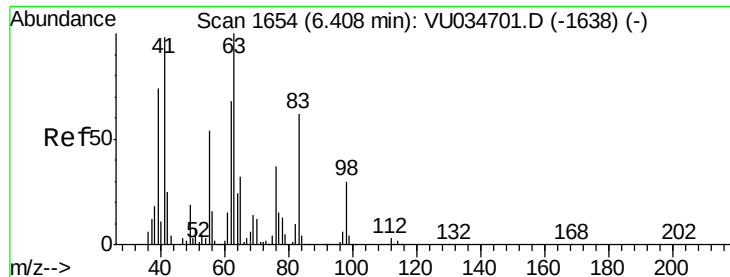


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

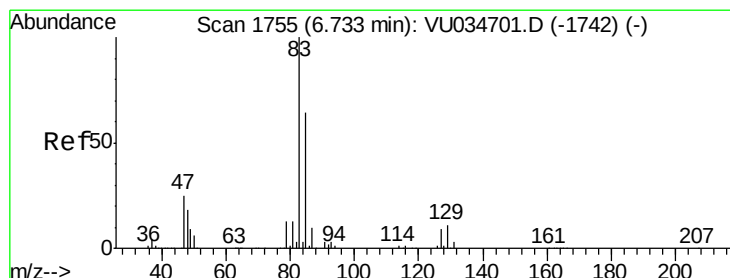
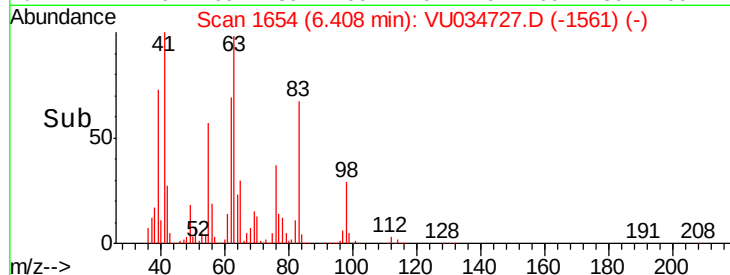
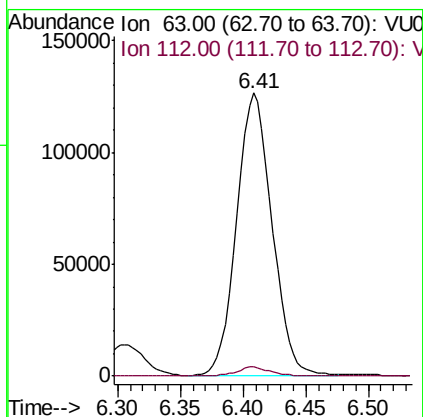
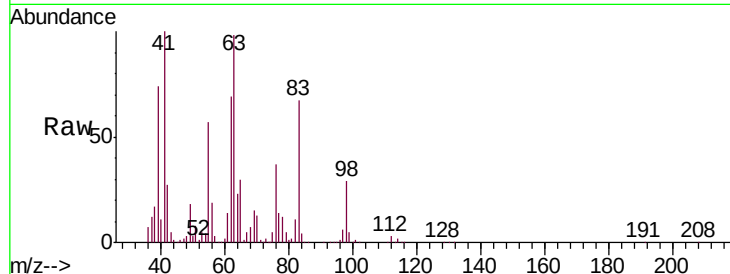




#37
 1,2-Dichloropropane
 Concen: 48.604 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

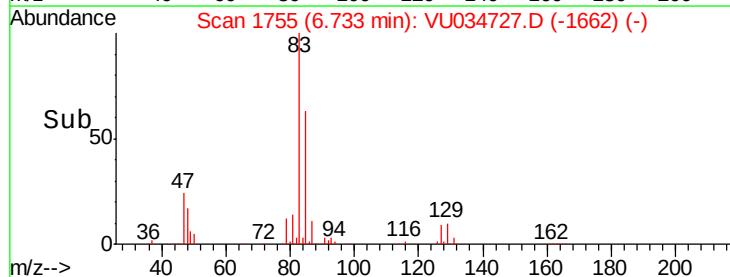
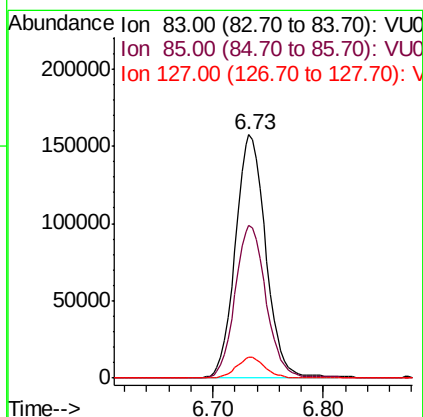
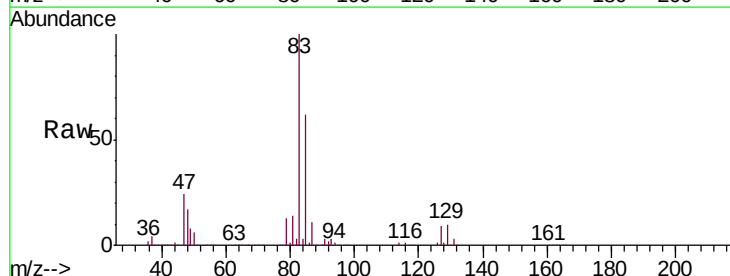
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

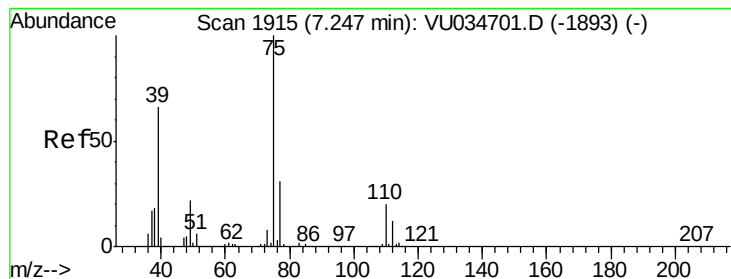
Tgt Ion: 63 Resp: 249506
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.4 3.6



#38
 Bromodichloromethane
 Concen: 48.016 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Tgt Ion: 83 Resp: 298921
 Ion Ratio Lower Upper
 83 100
 85 62.5 45.5 84.5
 127 8.6 6.1 9.1



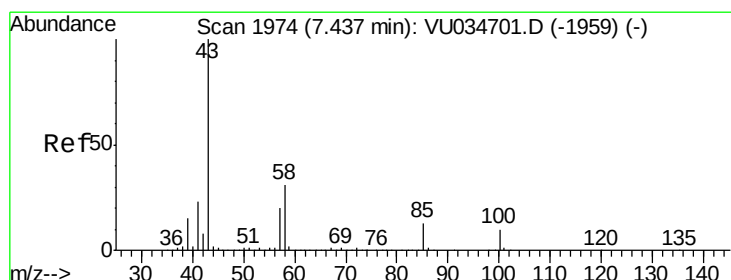
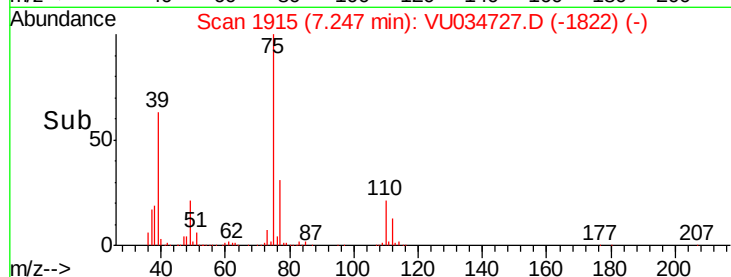
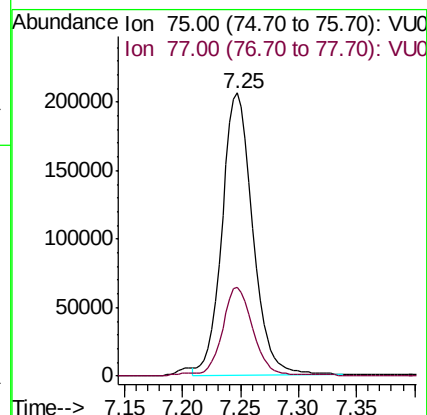
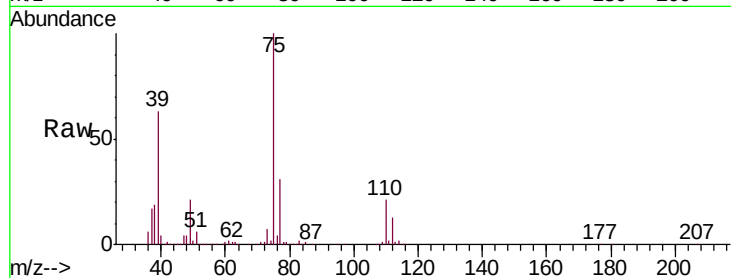


#39

cis-1,3-Dichloropropene
 Concen: 48.946 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

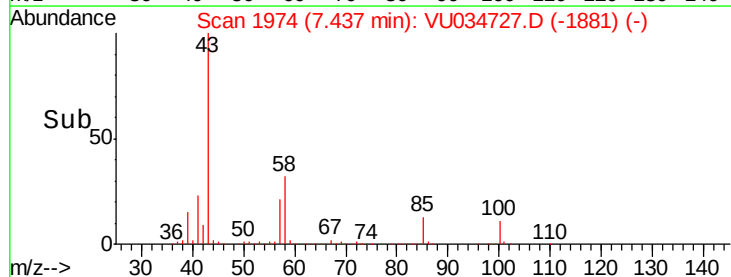
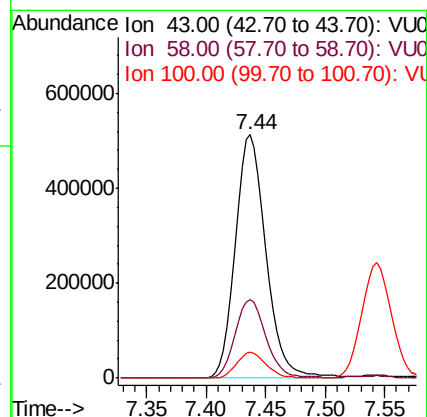
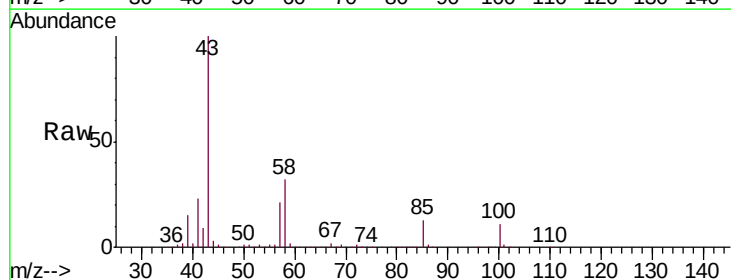
Tgt Ion: 75 Resp: 377532
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.4 39.8

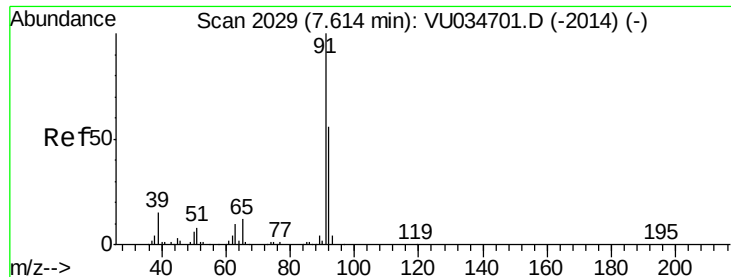


#40

4-Methyl-2-pentanone
 Concen: 93.390 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Tgt Ion: 43 Resp: 915286
 Ion Ratio Lower Upper
 43 100
 58 32.7 25.2 37.8
 100 10.3 7.7 11.5





#42

Toluene

Concen: 49.296 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

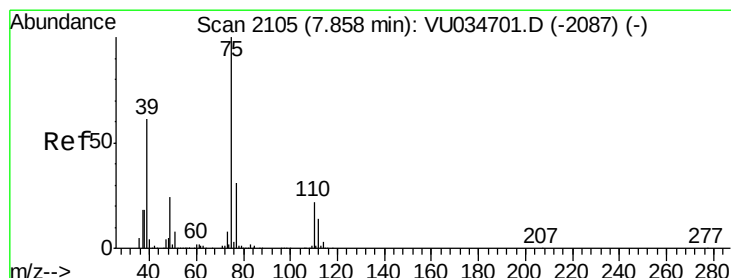
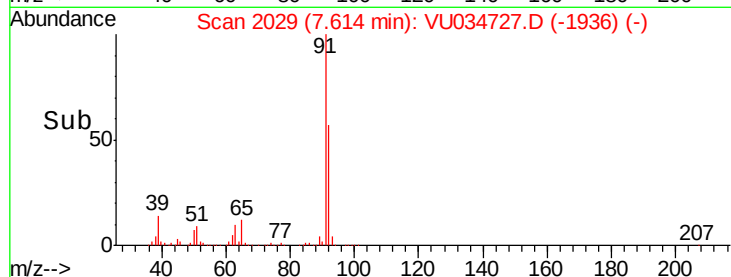
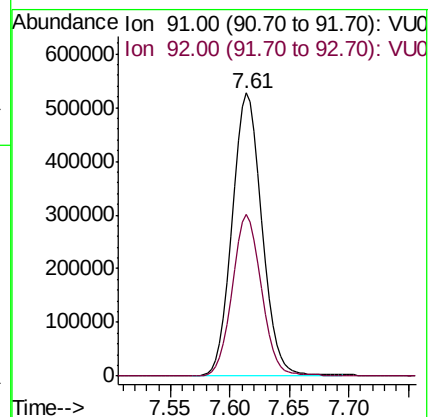
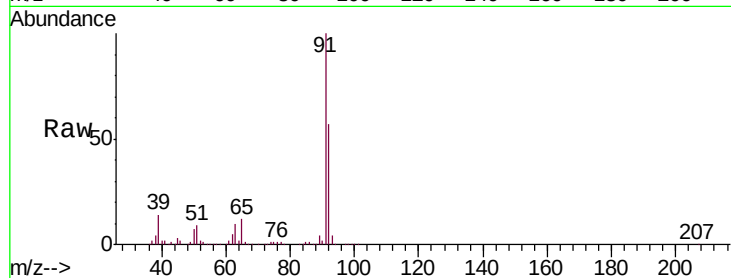
VSTD05040

Tgt Ion: 91 Resp: 918481

Ion Ratio Lower Upper

91 100

92 57.3 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 50.022 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034727.D

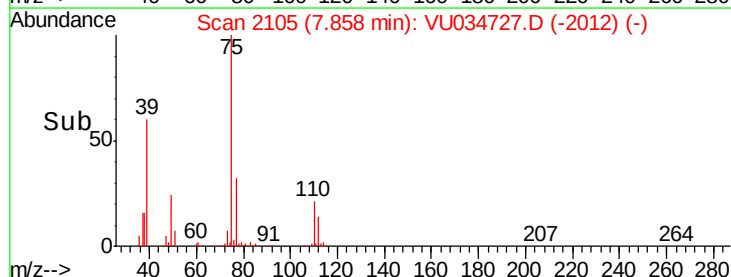
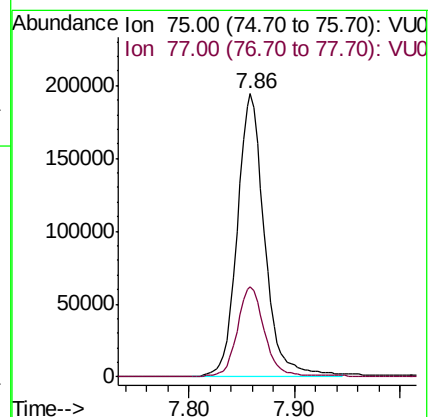
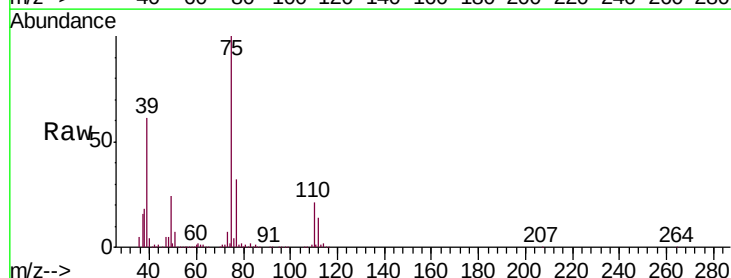
Acq: 23 Sep 2019 11:32

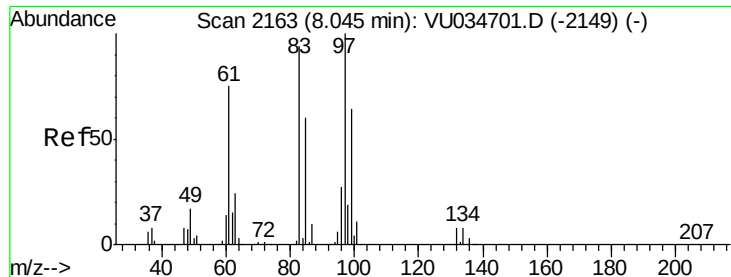
Tgt Ion: 75 Resp: 347829

Ion Ratio Lower Upper

75 100

77 32.0 21.4 39.8

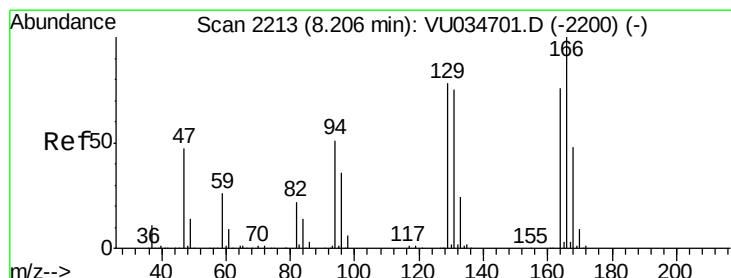
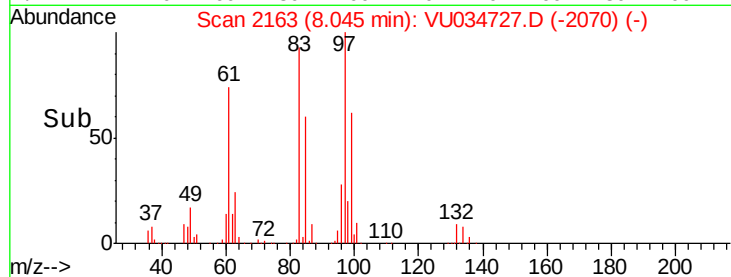
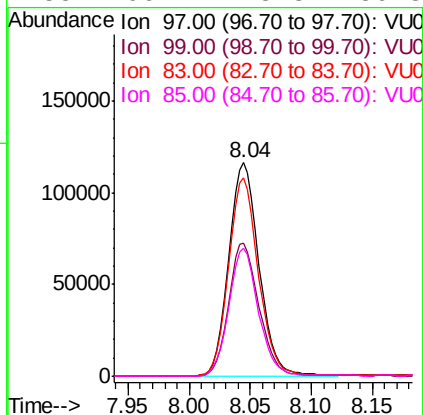
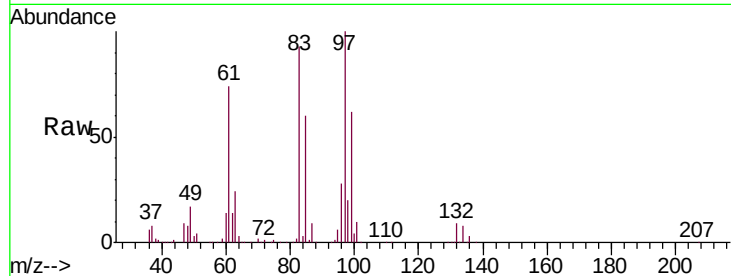




#45
 1,1,2-Trichloroethane
 Concen: 49.121 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

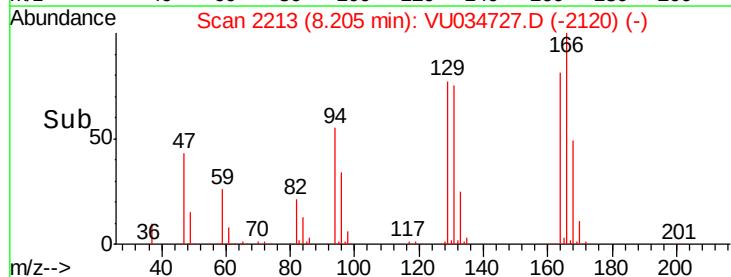
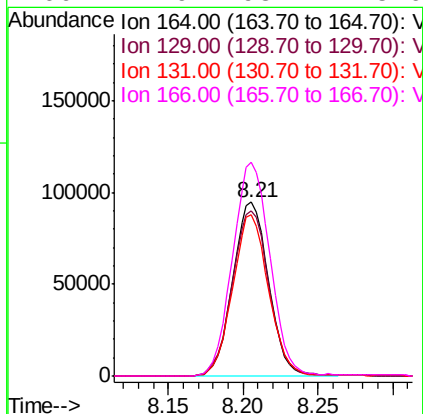
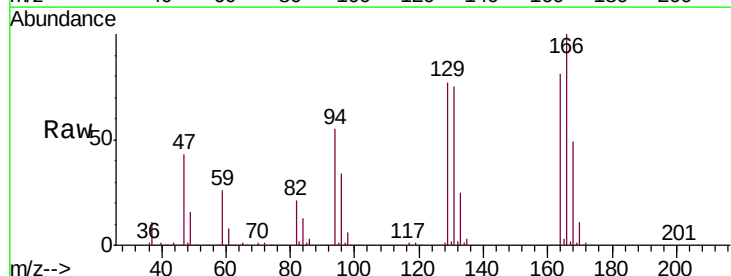
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

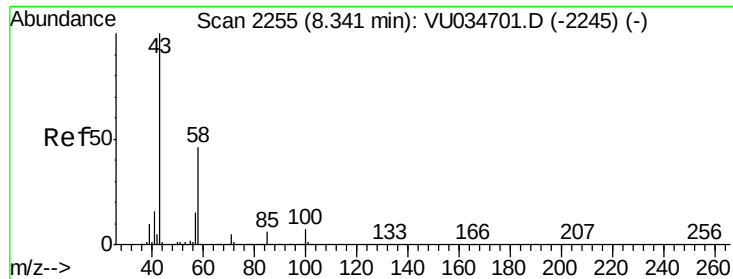
Tgt Ion:	97	Resp:	201983
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.6	81.0
83	93.0	66.9	124.3
85	60.1	43.3	80.3



#46
 Tetrachloroethene
 Concen: 52.690 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Tgt Ion:	164	Resp:	157803
Ion	Ratio	Lower	Upper
164	100		
129	95.1	71.9	133.5
131	92.7	66.3	123.1
166	122.9	93.4	173.6

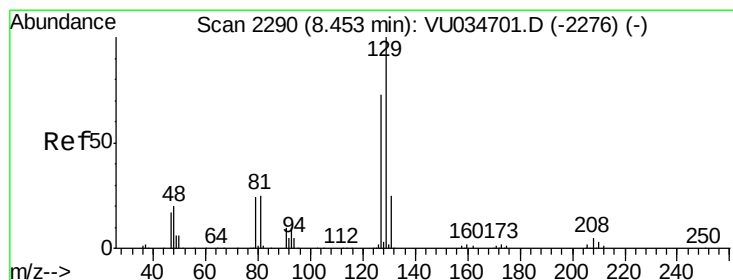
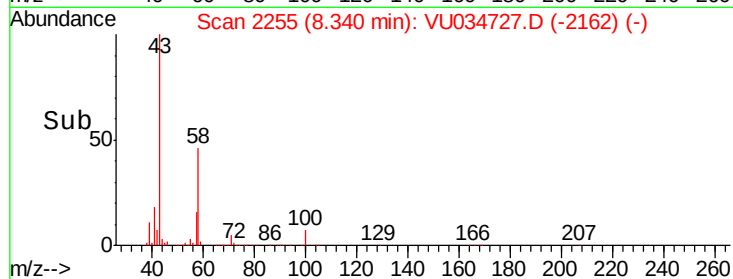
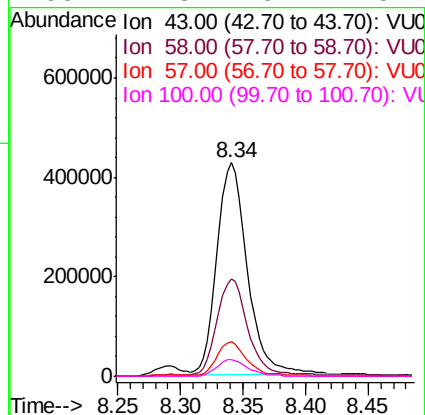
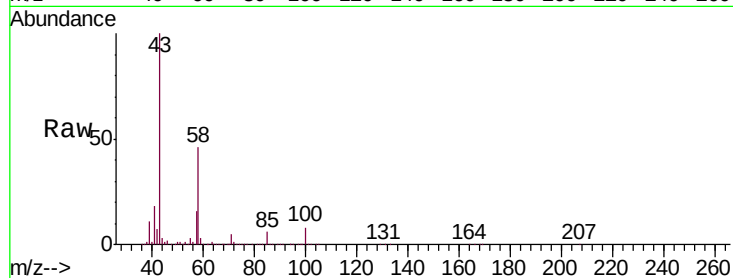




#48
2-Hexanone
Concen: 94.291 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

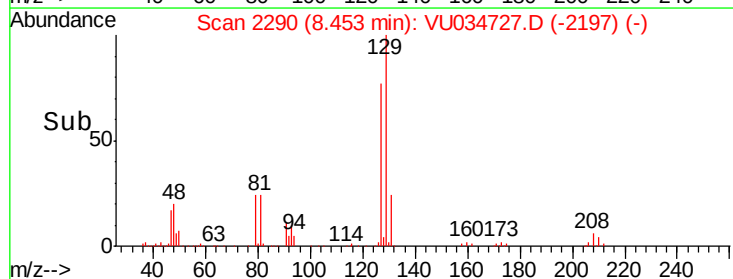
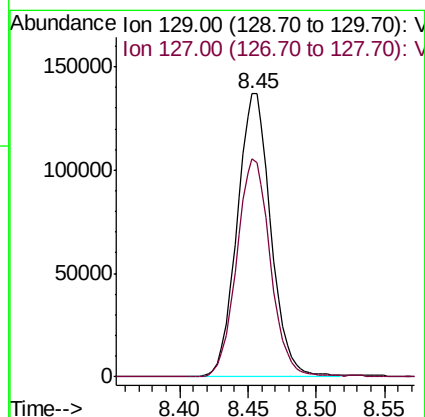
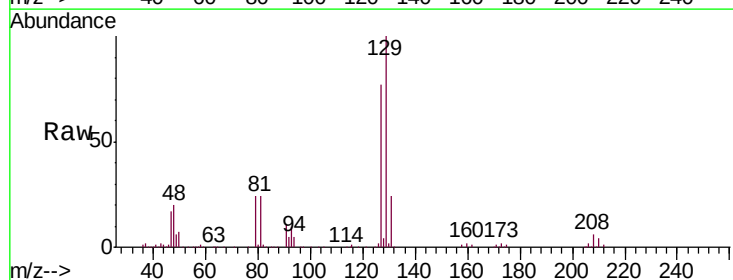
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

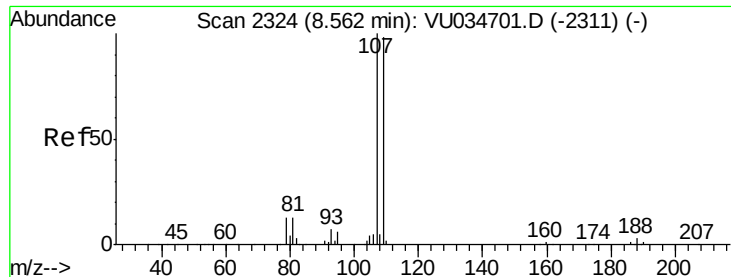
Tgt Ion: 43 Resp: 721752
Ion Ratio Lower Upper
43 100
58 46.0 35.3 52.9
57 15.8 12.1 18.1
100 7.8 6.2 9.4



#49
Dibromochloromethane
Concen: 51.278 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

Tgt Ion: 129 Resp: 235025
Ion Ratio Lower Upper
129 100
127 77.1 55.5 103.1

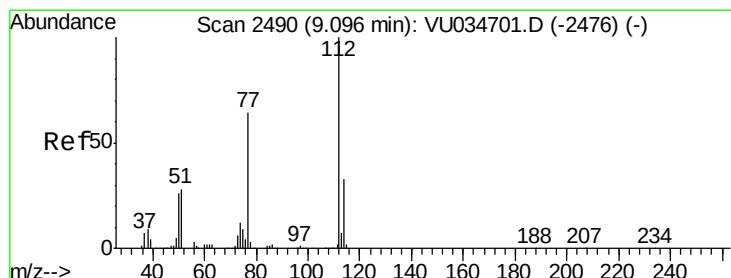
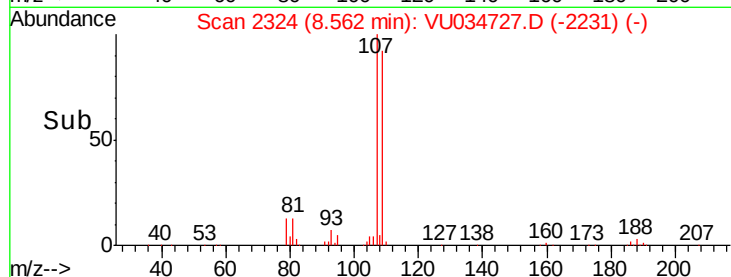
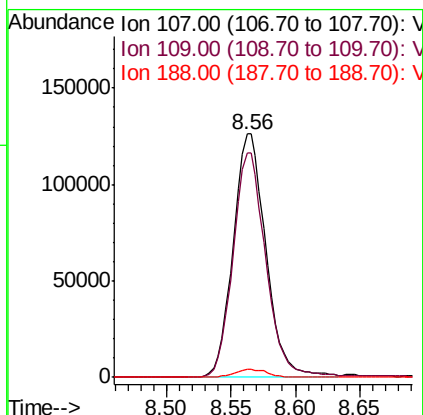
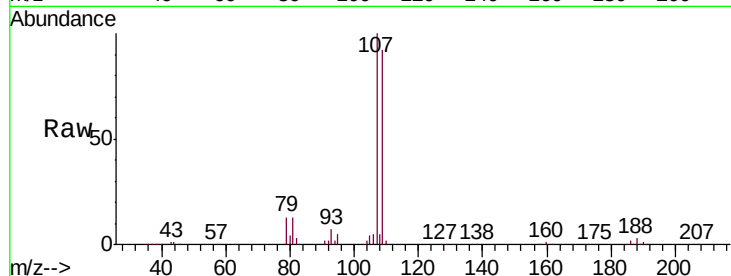




#50
1,2-Dibromoethane
Concen: 50.385 ug/L
RT: 8.56 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

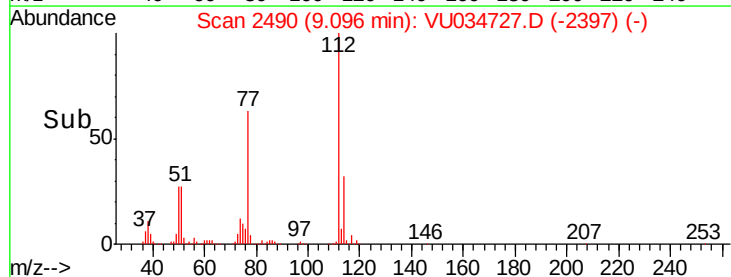
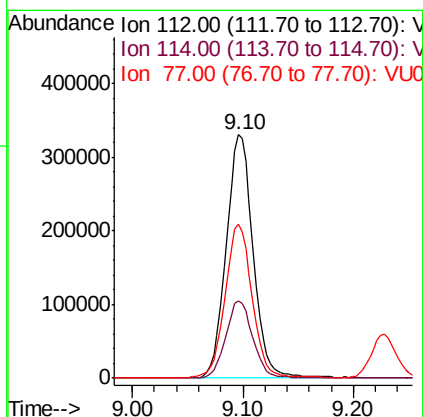
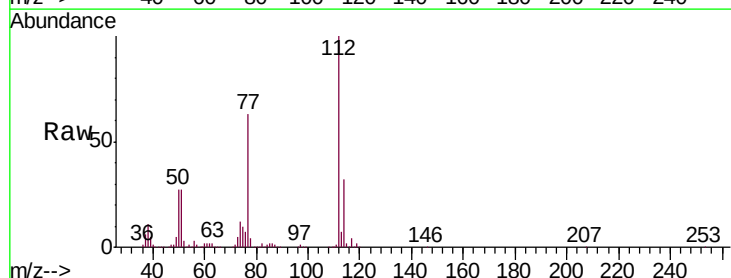
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

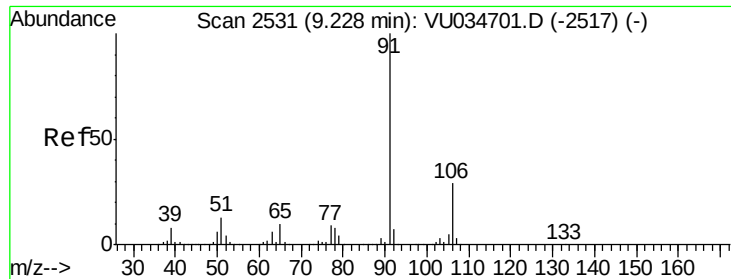
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.4	65.5	121.6
188	3.2	2.7	4.1



#51
Chlorobenzene
Concen: 49.473 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034727.D
Acq: 23 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.8	42.4
77	63.1	51.5	77.3





#52

Ethylbenzene

Concen: 49.166 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

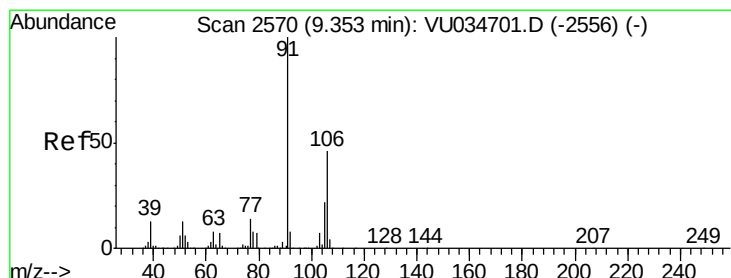
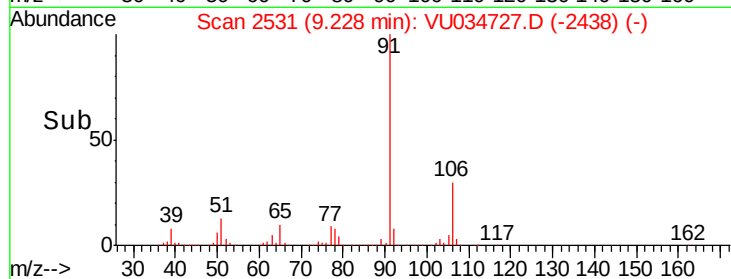
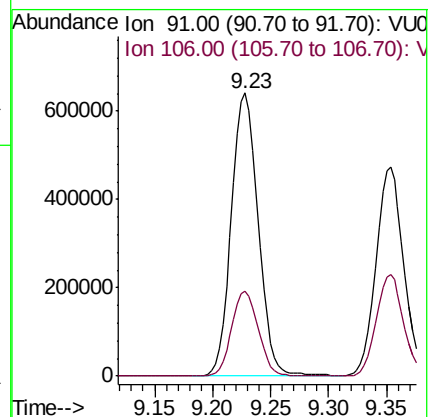
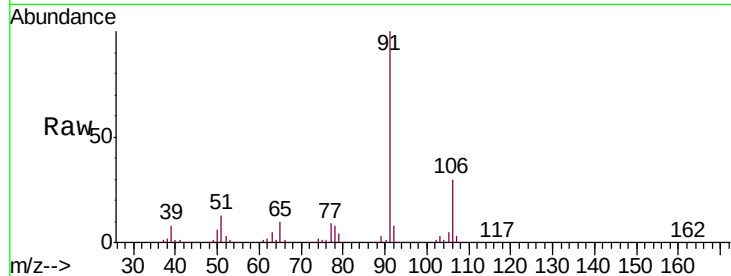
VSTD05040

Tgt Ion: 91 Resp: 1031552

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.4



#53

m,p-Xylene

Concen: 50.812 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034727.D

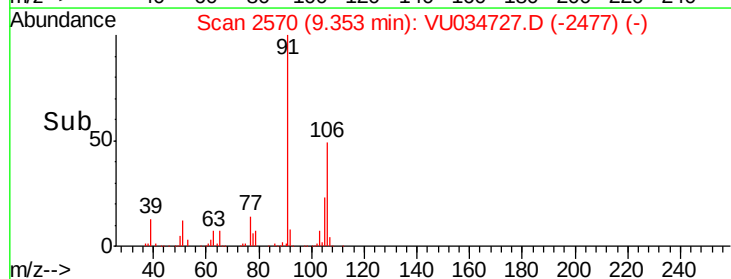
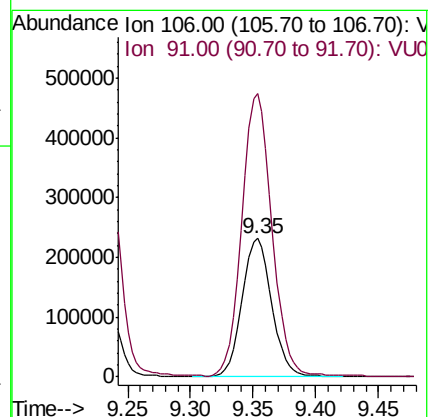
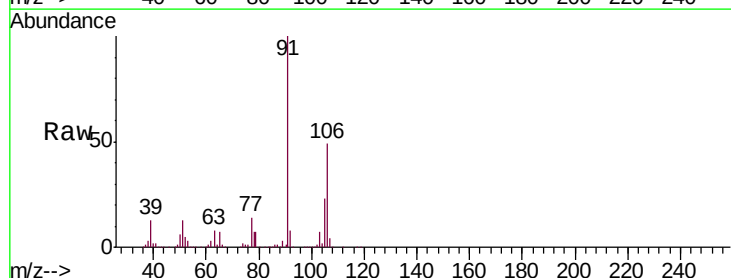
Acq: 23 Sep 2019 11:32

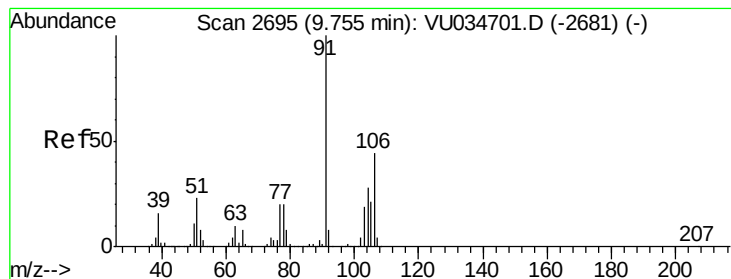
Tgt Ion: 106 Resp: 377600

Ion Ratio Lower Upper

106 100

91 204.9 146.9 272.7





#54

o-xylene

Concen: 50.491 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

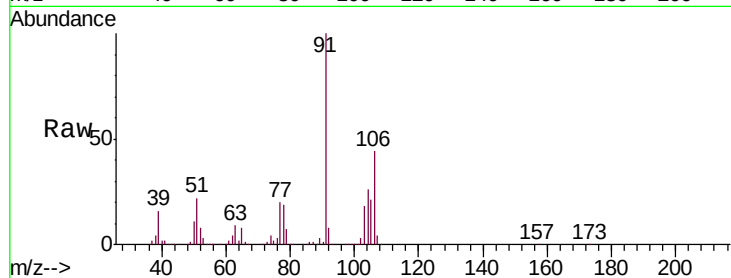
VSTD05040

Tgt Ion:106 Resp: 371120

Ion Ratio Lower Upper

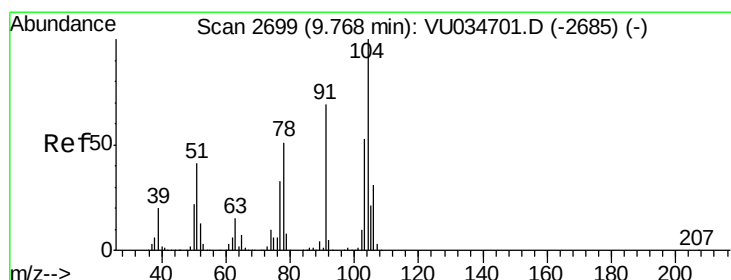
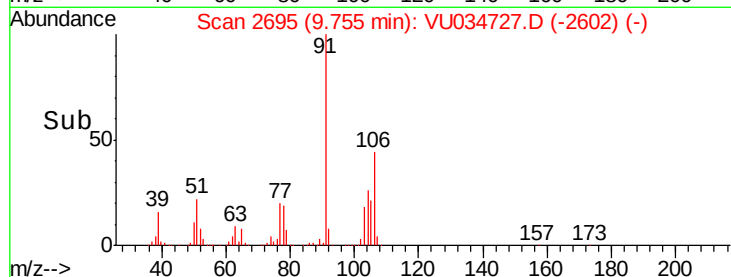
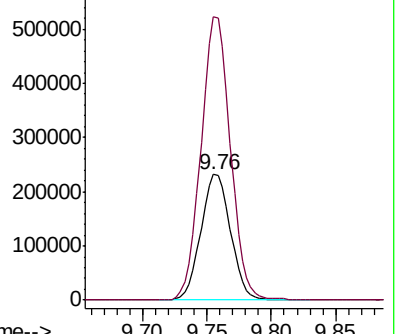
106 100

91 225.7 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.486 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034727.D

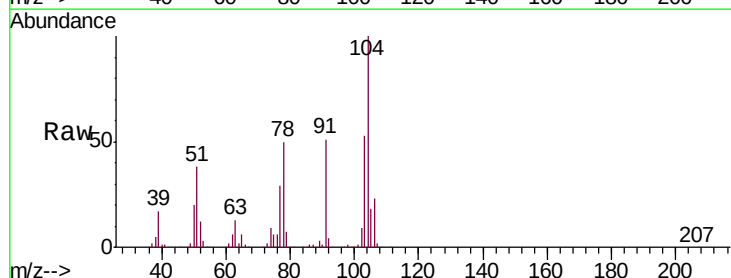
Acq: 23 Sep 2019 11:32

Tgt Ion:104 Resp: 628138

Ion Ratio Lower Upper

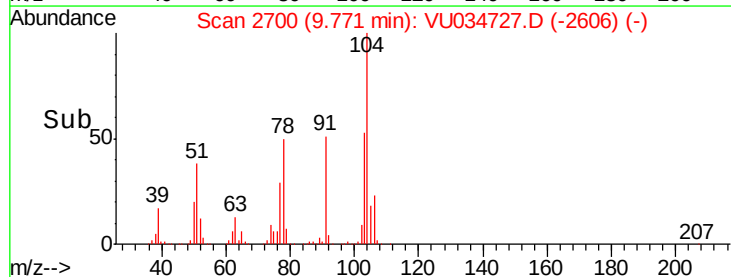
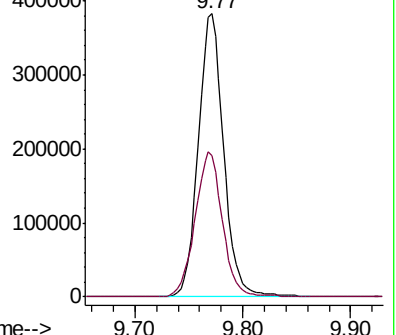
104 100

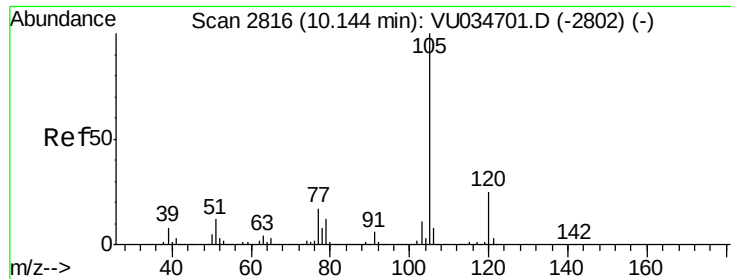
78 49.7 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.986 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

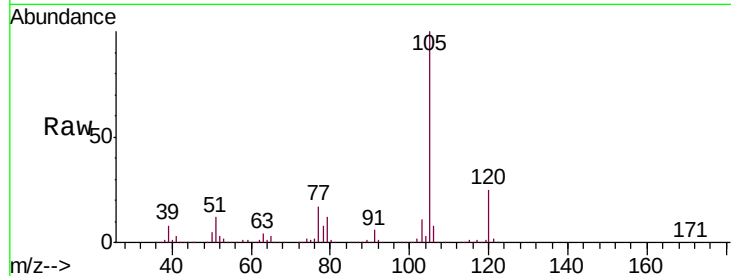
Tgt Ion: 105 Resp: 990663

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

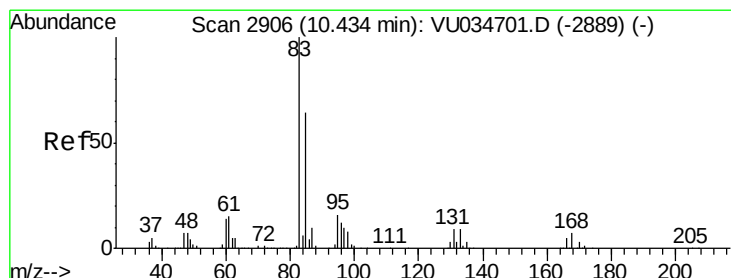
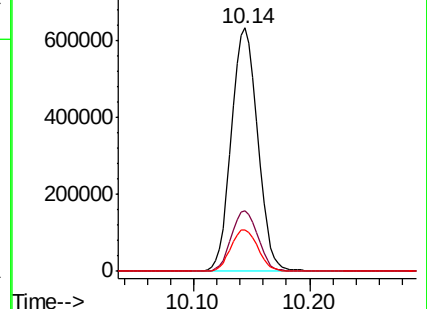
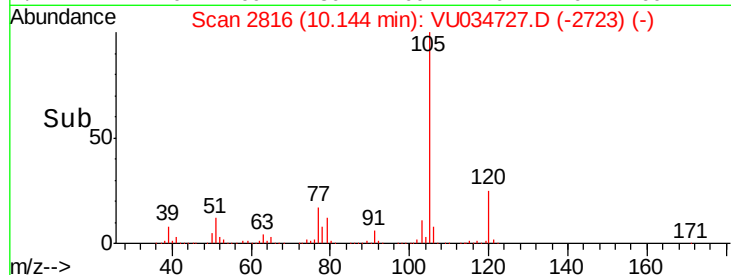
77 17.6 14.2 21.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.959 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

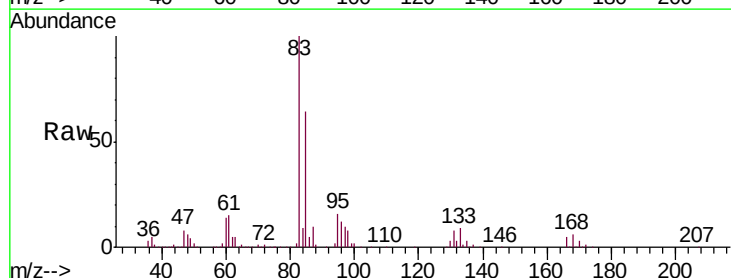
Tgt Ion: 83 Resp: 378766

Ion Ratio Lower Upper

83 100

85 64.0 44.6 82.8

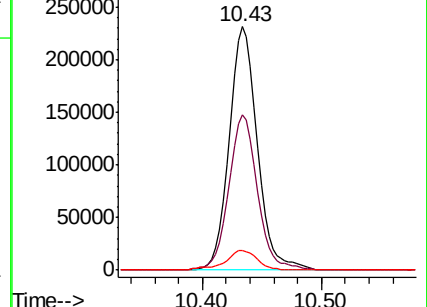
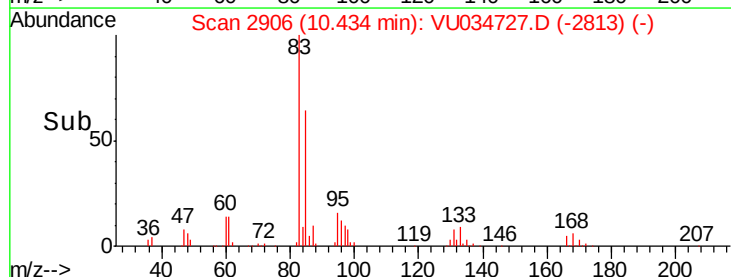
131 8.2 6.6 10.0

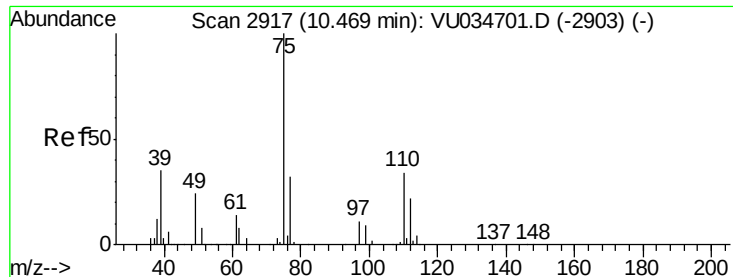


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.590 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

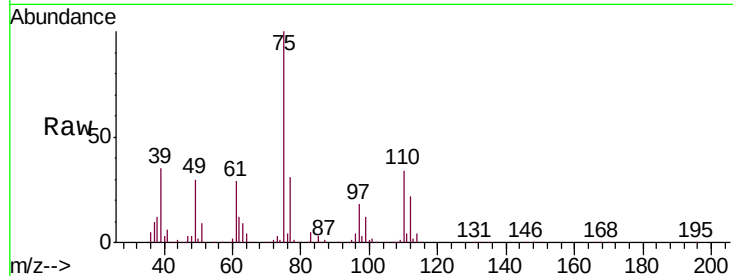
VSTD05040

Tgt Ion: 75 Resp: 298718

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU034701.D (-2903) (-)

Ion 77.00 (76.70 to 77.70): VU034701.D (-2903) (-)

10.47

200000

150000

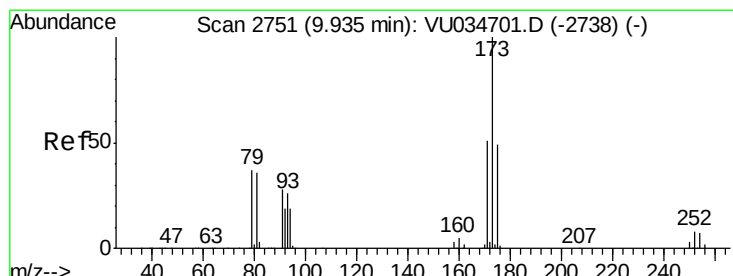
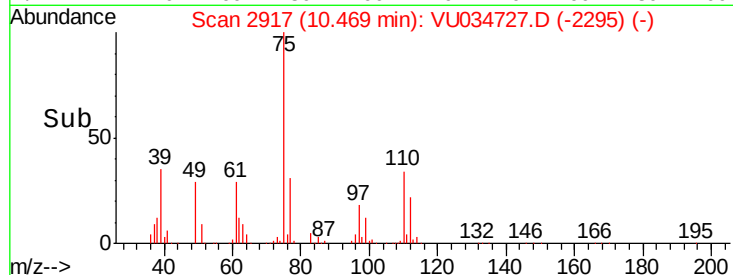
100000

50000

0

10.40 10.50

Time-->



#61

Bromoform

Concen: 50.266 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

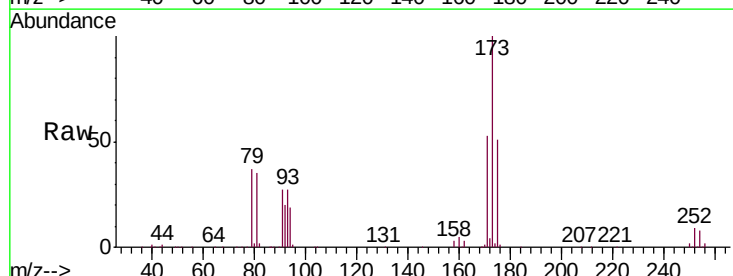
Tgt Ion: 173 Resp: 170927

Ion Ratio Lower Upper

173 100

175 50.3 38.8 58.2

254 7.2 5.3 7.9



Abundance Ion 173.00 (172.70 to 173.70): VU034701.D (-2738) (-)

Ion 175.00 (174.70 to 175.70): VU034701.D (-2738) (-)

Ion 254.00 (253.70 to 254.70): VU034701.D (-2738) (-)

9.94

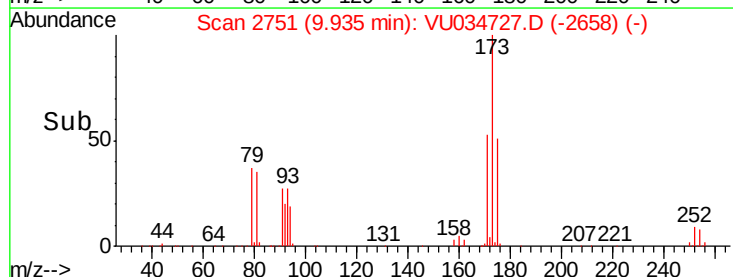
100000

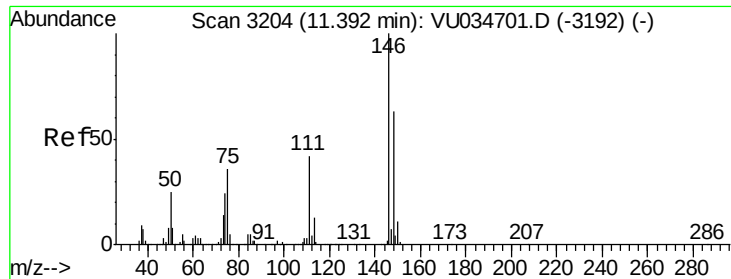
50000

0

9.90 10.00

Time-->

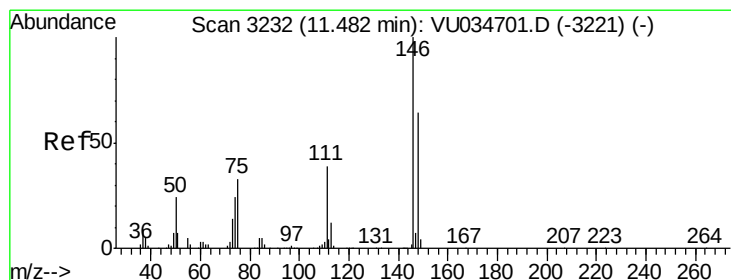
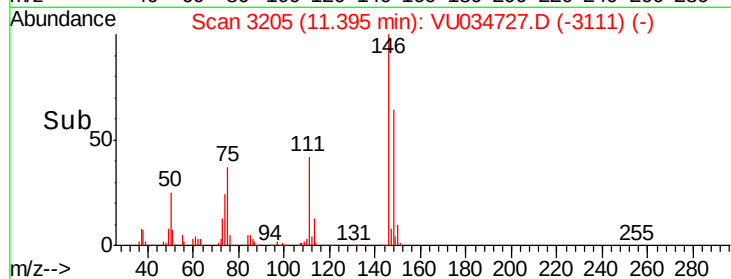
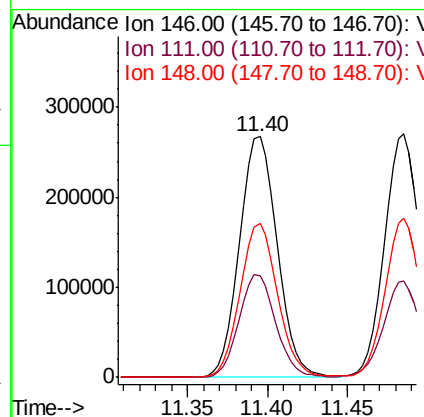
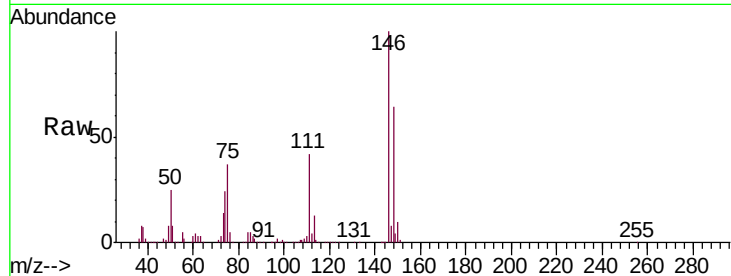




#62
 1,3-Dichlorobenzene
 Concen: 50.320 ug/L
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

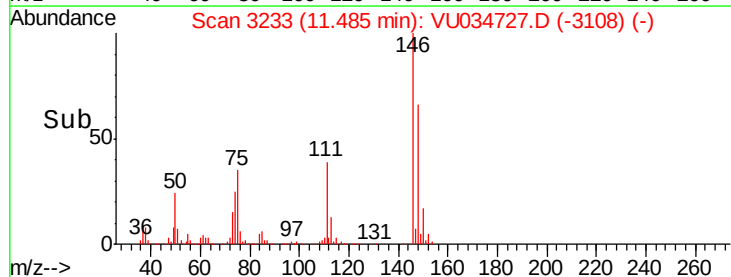
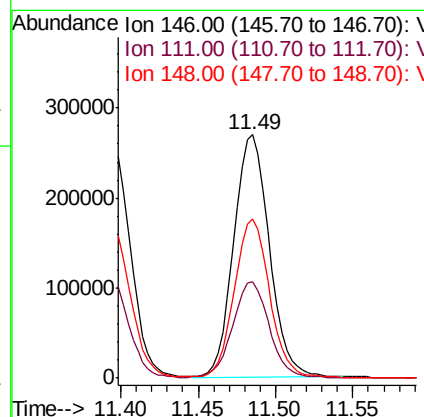
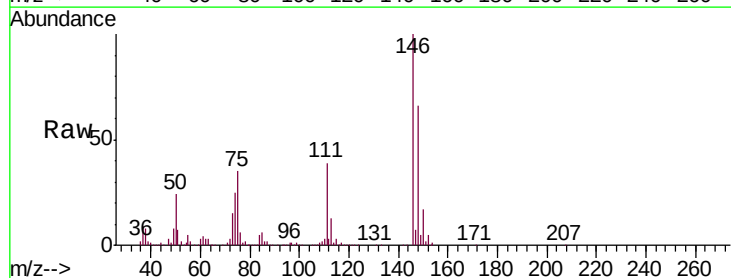
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

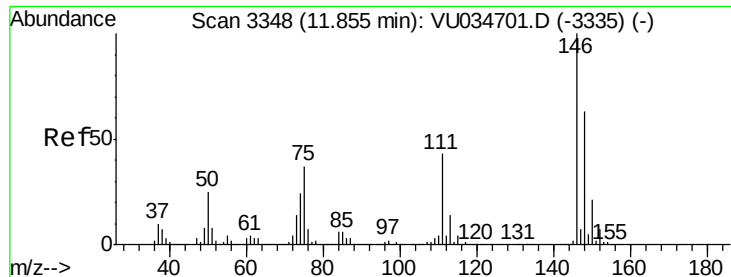
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	30.4	56.5
148	63.9	46.1	85.7



#63
 1,4-Dichlorobenzene
 Concen: 49.286 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	29.5	54.9
148	65.5	44.4	82.4

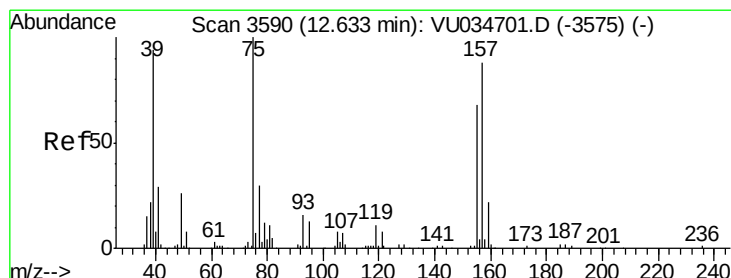
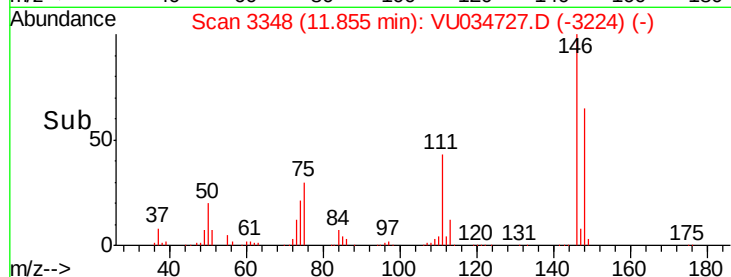
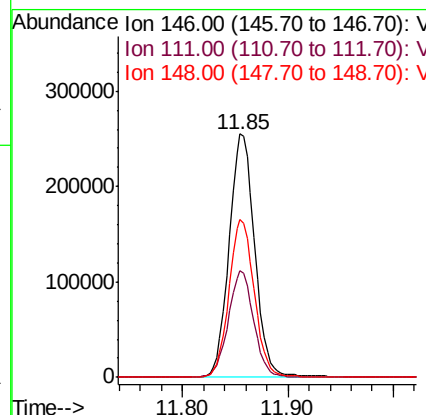
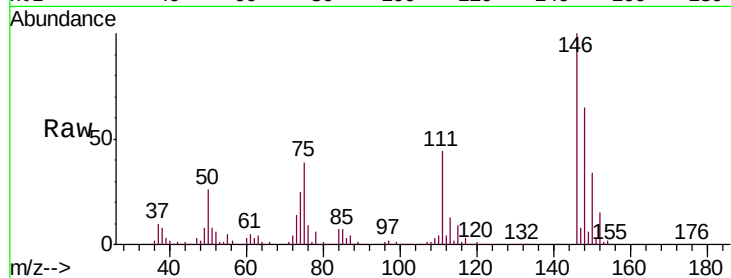




#65
 1,2-Dichlorobenzene
 Concen: 49.481 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

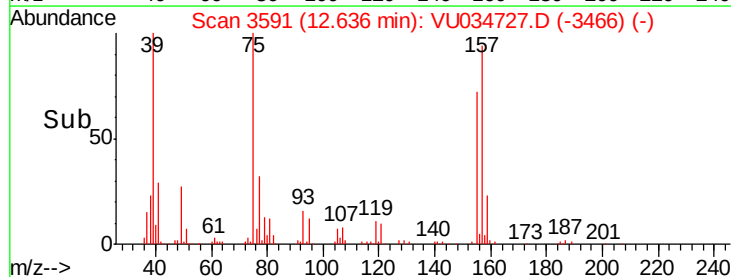
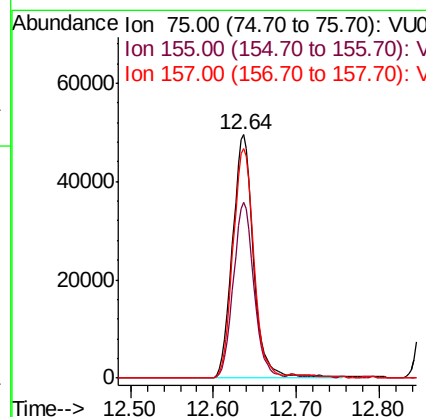
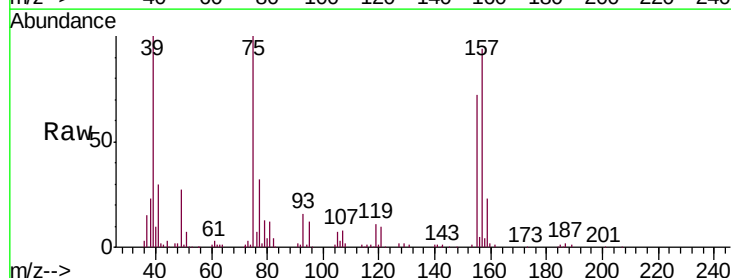
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

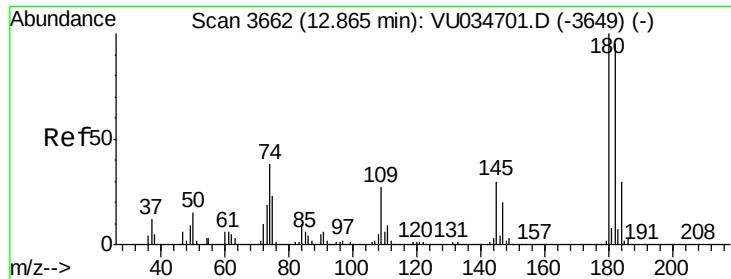
Tgt Ion: 146 Resp: 427619
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.2 52.8
 148 65.1 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.784 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Tgt Ion: 75 Resp: 87775
 Ion Ratio Lower Upper
 75 100
 155 72.0 54.7 82.1
 157 94.3 69.9 104.9

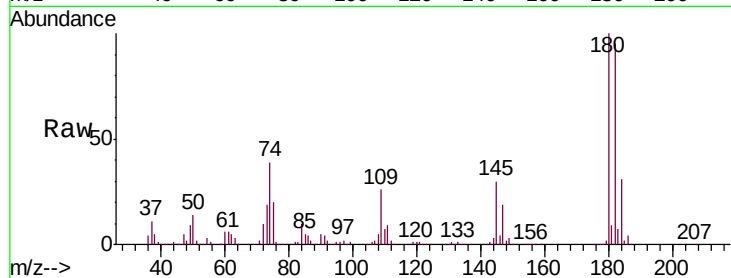




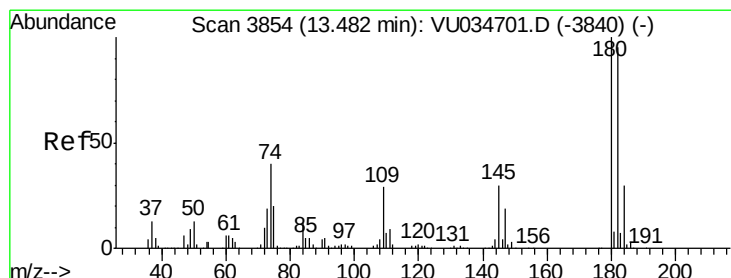
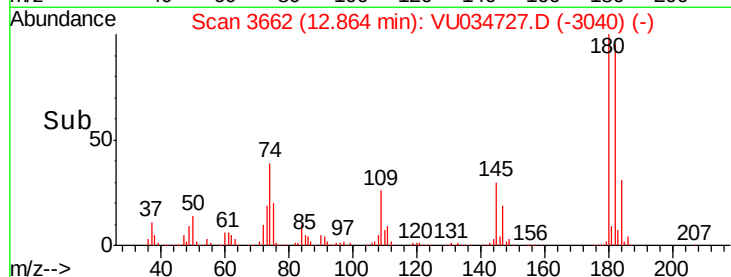
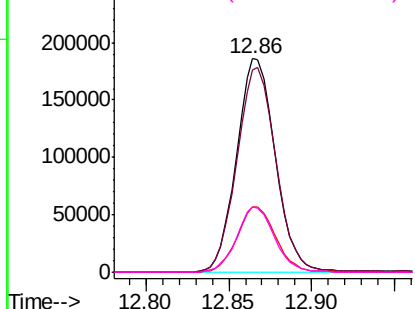
#67
 1,3,5-Trichlorobenzene
 Concen: 52.733 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Tgt Ion:	180	Resp:	302199
Ion	Ratio	Lower	Upper
180	100		
182	96.7	79.2	118.8
184	30.6	24.6	36.8
145	29.9	24.9	37.3

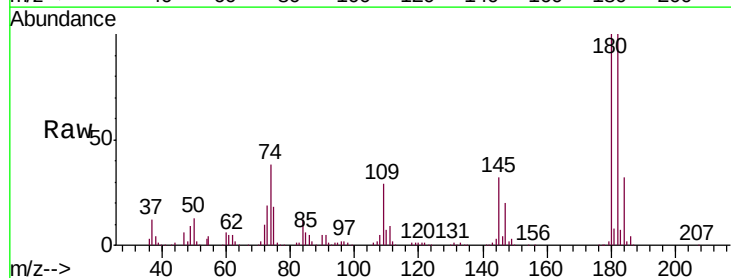


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

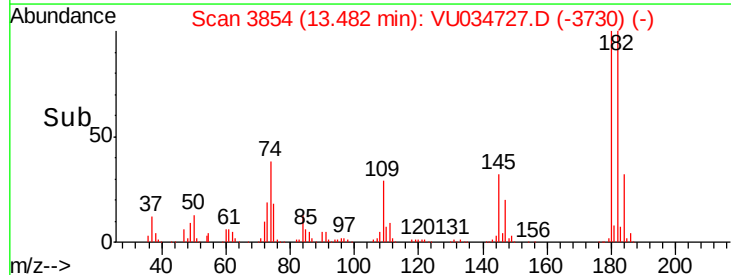
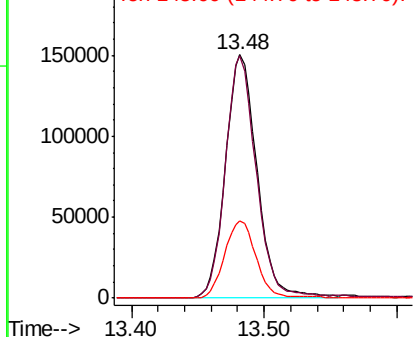


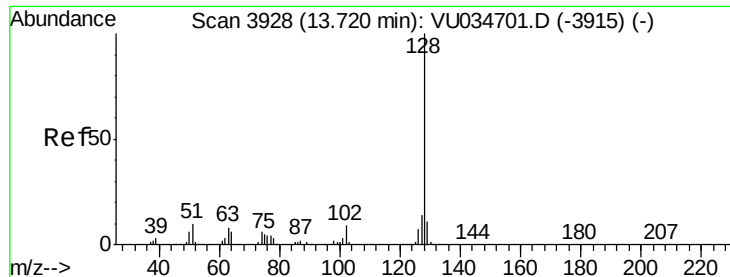
#68
 1,2,4-trichlorobenzene
 Concen: 55.319 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034727.D
 Acq: 23 Sep 2019 11:32

Tgt Ion:	180	Resp:	249294
Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.7	113.5
145	31.2	25.2	37.8



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





#69

Naphthalene

Concen: 53.108 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

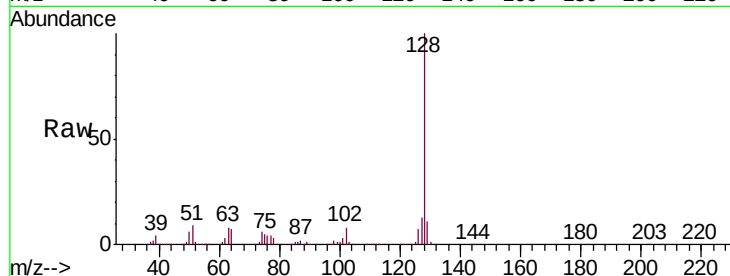
Tgt Ion:128 Resp: 828524

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

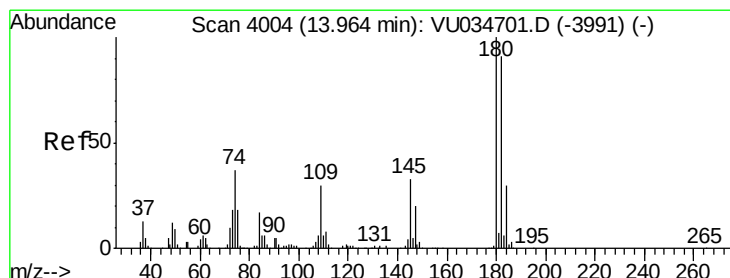
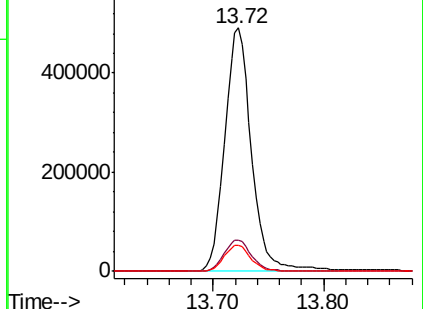
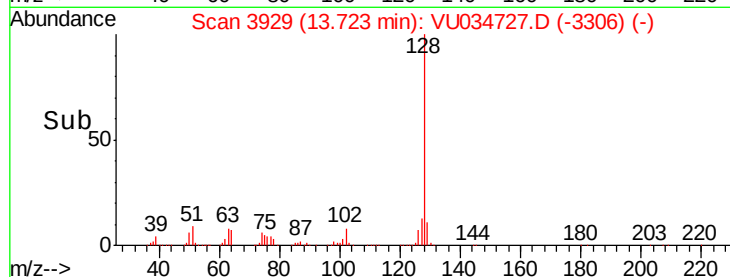
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.394 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034727.D

Acq: 23 Sep 2019 11:32

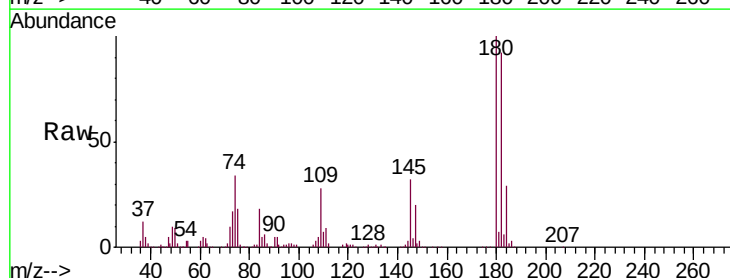
Tgt Ion:180 Resp: 247590

Ion Ratio Lower Upper

180 100

182 96.1 79.2 118.8

145 33.1 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

