

Data File : VU034765.D
Acq On : 24 Sep 2019 12:09
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: Sep 25 02:58:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	486731	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	458680	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	221933	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	197871	39.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.42%
7) Chloroethane-d5	1.67	69	166409	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.42%
11) 1,1-Dichloroethene-d2	2.26	63	352098	41.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.46%
21) 2-Butanone-d5	4.15	46	372563	97.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.56%
24) Chloroform-d	4.62	84	339762	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.28	65	229636	43.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.24%
32) Benzene-d6	5.32	84	688141	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.31	67	244579	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.44%
41) Toluene-d8	7.54	98	665095	49.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.34%
43) trans-1,3-Dichloropropene-	7.83	79	111251	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.50%
47) 2-Hexanone-d5	8.29	63	250492	100.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.37%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333329	48.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.68%
64) 1,2-Dichlorobenzene-d4	11.84	152	228321	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	209465	41.754	ug/L	99
3) Chloromethane	1.32	50	258522	43.022	ug/L	99
5) Vinyl chloride	1.40	62	243784	44.419	ug/L	97
6) Bromomethane	1.62	94	140392	46.837	ug/L	93
8) Chloroethane	1.69	64	142178	44.999	ug/L	98
9) Trichlorofluoromethane	1.87	101	304518	44.005	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	153765	46.343	ug/L	98
12) 1,1-Dichloroethene	2.27	96	148160	46.525	ug/L	92
13) Acetone	2.31	43	275077	61.921	ug/L	99
14) Carbon disulfide	2.46	76	478593	44.541	ug/L	100
15) Methyl Acetate	2.60	43	263803	44.455	ug/L	98
16) Methylene chloride	2.68	84	183283	45.436	ug/L	93
17) trans-1,2-Dichloroethene	2.96	96	165724	47.598	ug/L	90
18) Methyl tert-butyl Ether	2.98	73	575927	44.587	ug/L	97
19) 1,1-Dichloroethane	3.42	63	351182	43.968	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	194082	47.674	ug/L	90
22) 2-Butanone	4.23	43	409139	77.415	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	89723	46.046	ug/L	93
25) Chloroform	4.65	83	335965	42.715	ug/L	98
27) 1,2-Dichloroethane	5.38	62	279422	41.126	ug/L	97
29) Cyclohexane	4.97	56	334315	44.158	ug/L	96
30) 1,1,1-Trichloroethane	4.89	97	273009	43.732	ug/L	97
31) Carbon tetrachloride	5.11	117	236028	44.362	ug/L	97
33) Benzene	5.36	78	769276	48.357	ug/L	100
34) Trichloroethene	6.16	95	187087	47.619	ug/L	96
35) Methylcyclohexane	6.39	83	312279	46.838	ug/L	95
37) 1,2-Dichloropropane	6.41	63	219203	46.276	ug/L	100
38) Bromodichloromethane	6.73	83	258188	44.945	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	332188	46.673	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	784220	86.717	ug/L	95
42) Toluene	7.61	91	822241	47.826	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	296427	46.199	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	180722	47.631	ug/L	96
46) Tetrachloroethene	8.21	164	132039	47.779	ug/L	98
48) 2-Hexanone	8.34	43	597104	84.538	ug/L	96
49) Dibromochloromethane	8.45	129	200028	47.297	ug/L	95
50) 1,2-Dibromoethane	8.56	107	200197	48.957	ug/L	99
51) Chlorobenzene	9.10	112	509066	48.709	ug/L	96
52) Ethylbenzene	9.23	91	911661	47.090	ug/L	99
53) m,p-Xylene	9.35	106	336303	49.044	ug/L	99
54) o-xylene	9.76	106	330501	48.729	ug/L	97
55) Styrene	9.77	104	566239	49.322	ug/L	98
56) Isopropylbenzene	10.14	105	867128	47.416	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	341797	46.901	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	258859	43.754	ug/L	97
61) Bromoform	9.94	173	139012	45.494	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	372168	48.423	ug/L	98
63) 1,4-Dichlorobenzene	11.48	146	375650	47.980	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	369042	47.522	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	73642	44.614	ug/L	94
67) 1,3,5-Trichlorobenzene	12.86	180	252032	48.942	ug/L	96
68) 1,2,4-trichlorobenzene	13.48	180	214662	53.009	ug/L	99
69) Naphthalene	13.72	128	755452	53.888	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	211041	50.648	ug/L	96

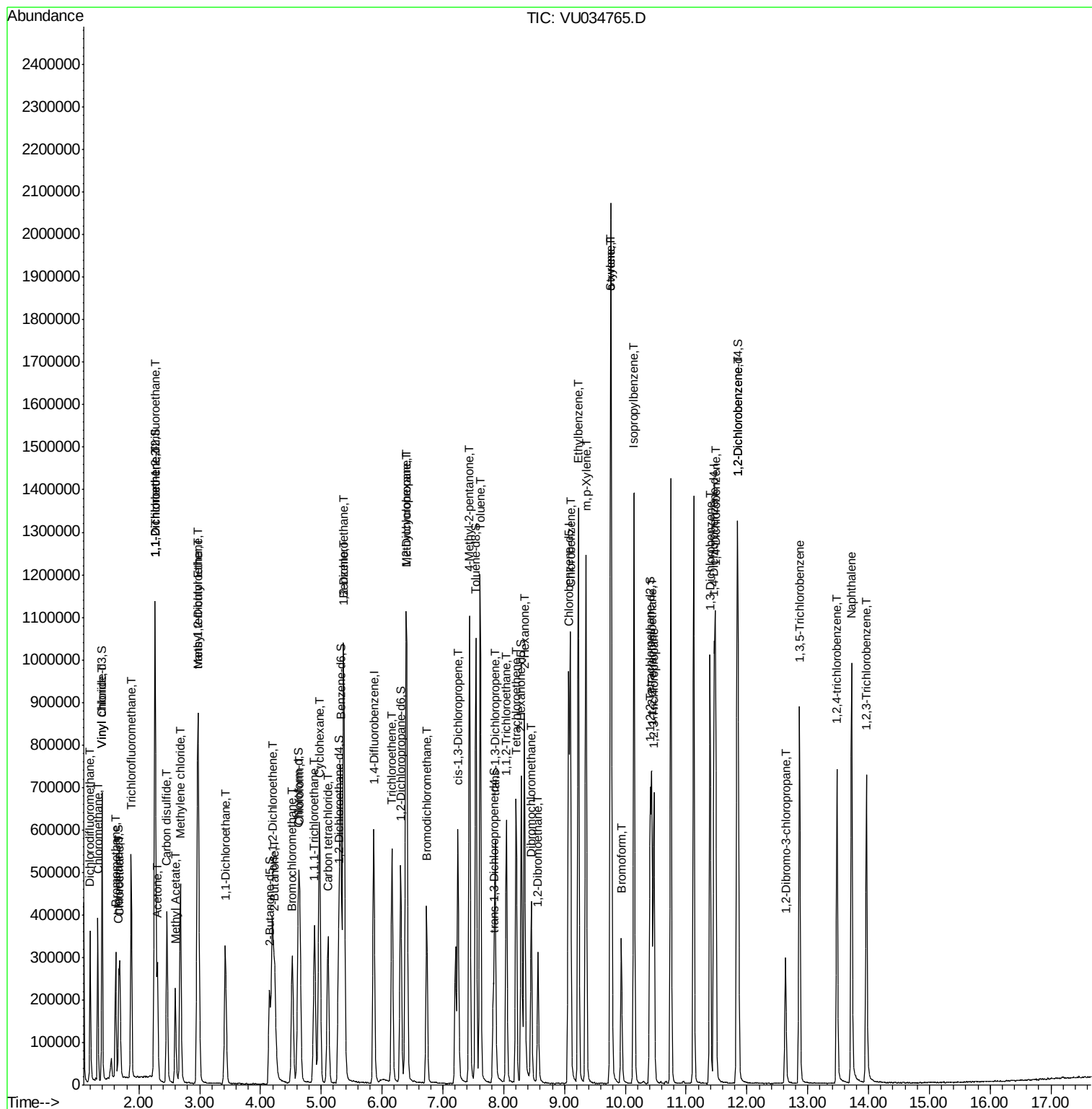
(#) = qualifier out of range (m) = manual integration (+) = signals summed

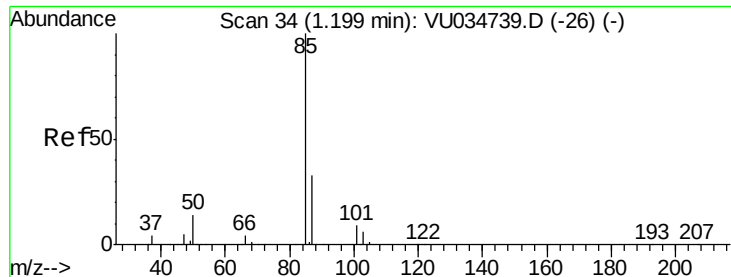
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#2

Dichlorodifluoromethane

Concen: 41.754 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

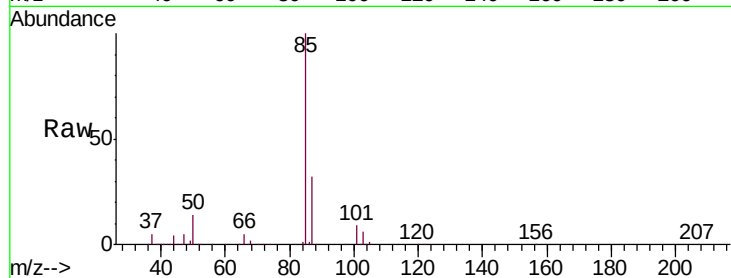
VSTD05043

Tgt Ion: 85 Resp: 209465

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU034765.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034765.D (-1) (-)

200000

150000

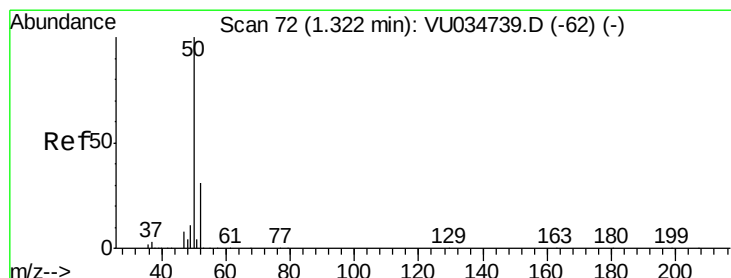
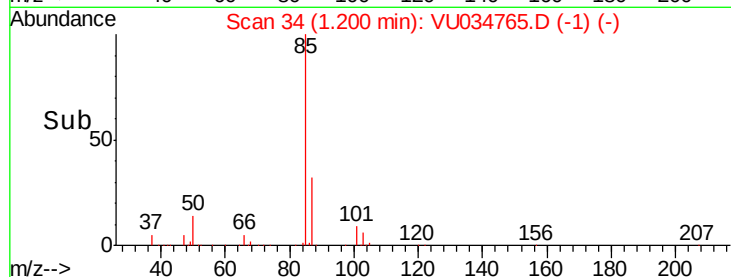
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 43.022 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034765.D

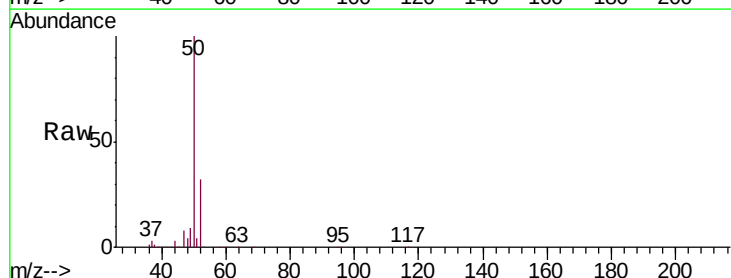
Acq: 24 Sep 2019 12:09

Tgt Ion: 50 Resp: 258522

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU034765.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034765.D (-1) (-)

250000

200000

150000

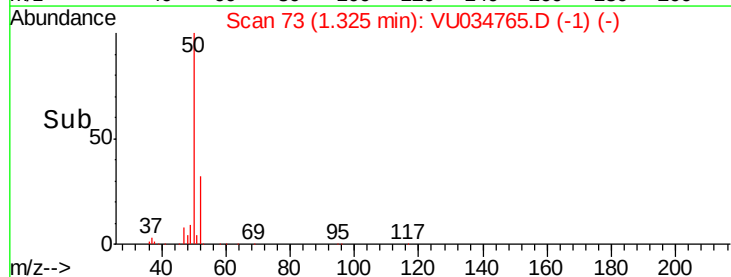
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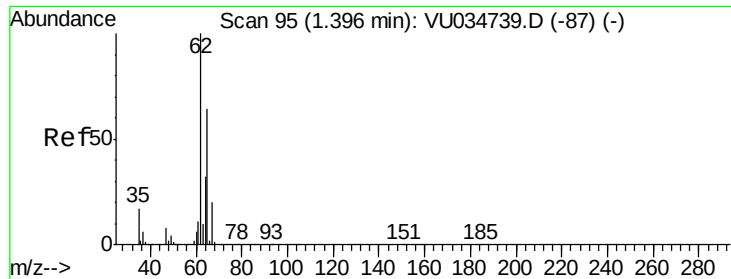
50000

0

1.30 1.32 1.35

Time-->





#5

Vinyl chloride

Concen: 44.419 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

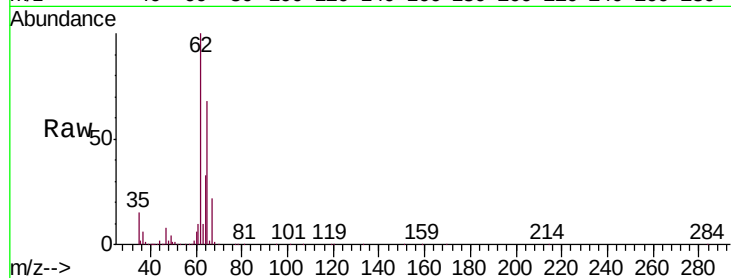
VSTD05043

Tgt Ion: 62 Resp: 243784

Ion Ratio Lower Upper

62 100

64 33.4 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU034739.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU034739.D (-87) (-)

1.40

250000

200000

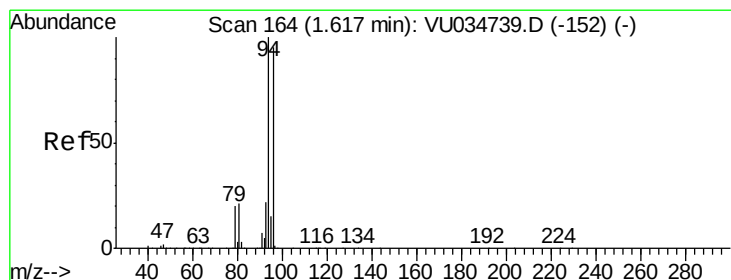
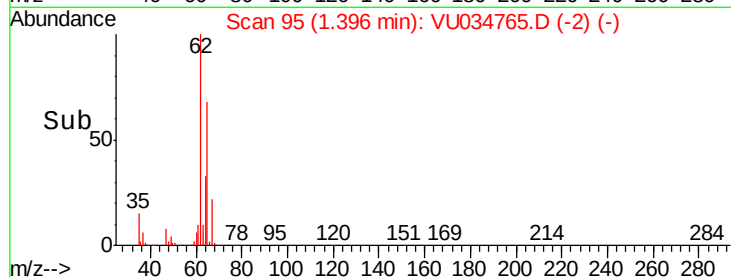
150000

100000

50000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 46.837 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU034765.D

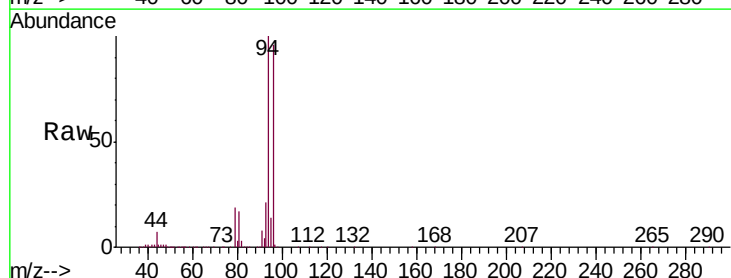
Acq: 24 Sep 2019 12:09

Tgt Ion: 94 Resp: 140392

Ion Ratio Lower Upper

94 100

96 96.1 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU034739.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU034739.D (-152) (-)

120000

100000

80000

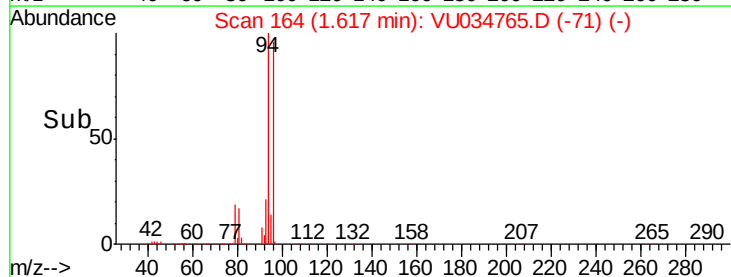
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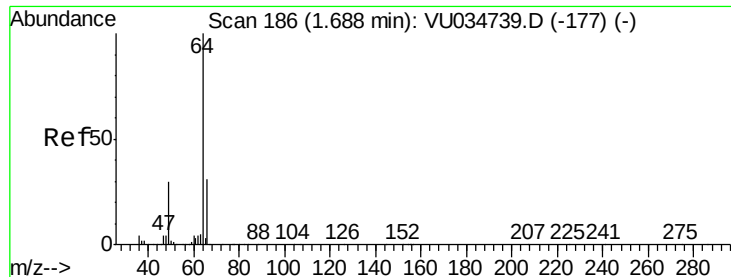
40000

20000

0

Time--> 1.55 1.60 1.65





#8

Chloroethane

Concen: 44.999 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

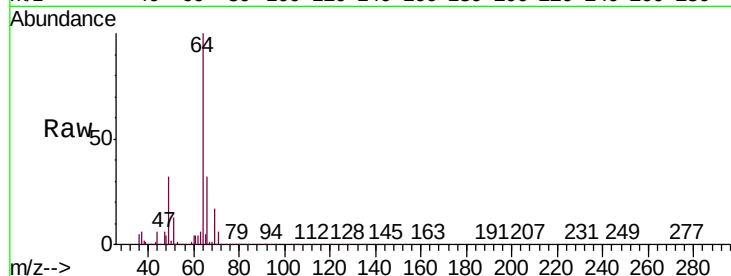
VSTD05043

Tgt Ion: 64 Resp: 142178

Ion Ratio Lower Upper

64 100

66 32.0 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU034739.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU034739.D (-177) (-)

1.69

120000

100000

80000

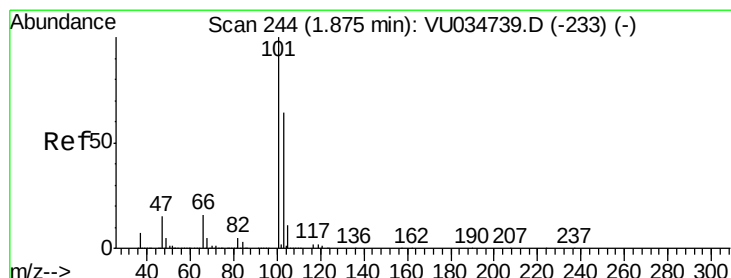
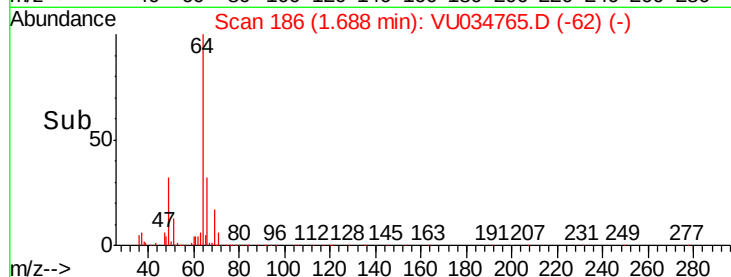
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 44.005 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034765.D

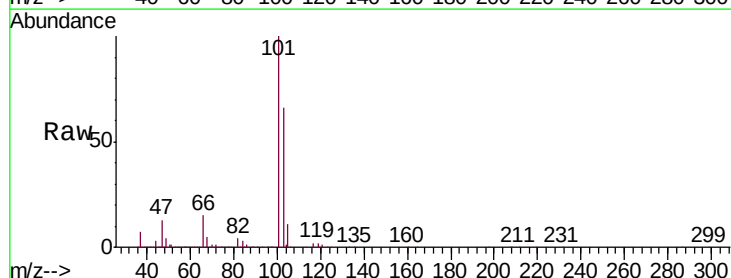
Acq: 24 Sep 2019 12:09

Tgt Ion: 101 Resp: 304518

Ion Ratio Lower Upper

101 100

103 66.0 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU034739.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034739.D (-233) (-)

1.87

250000

200000

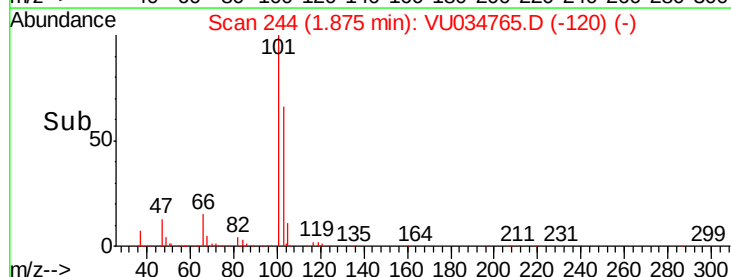
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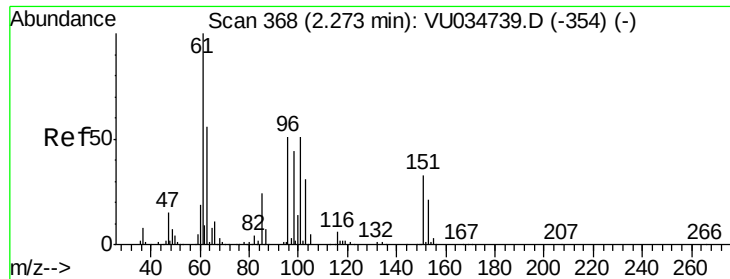
100000

50000

0

Time-->





#10

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

Concen: 46.343 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

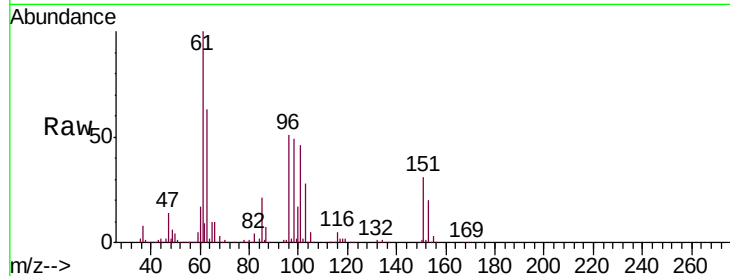
Tgt Ion: 101 Resp: 153765

Ion Ratio Lower Upper

101 100

85 45.6 39.0 58.4

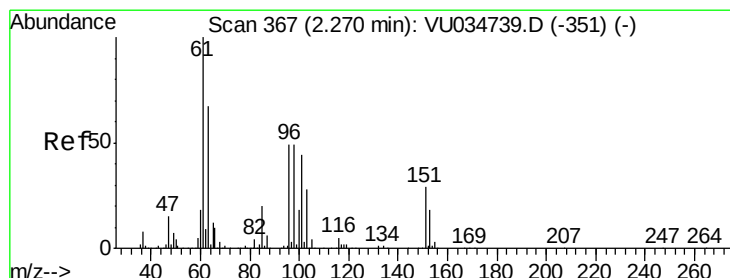
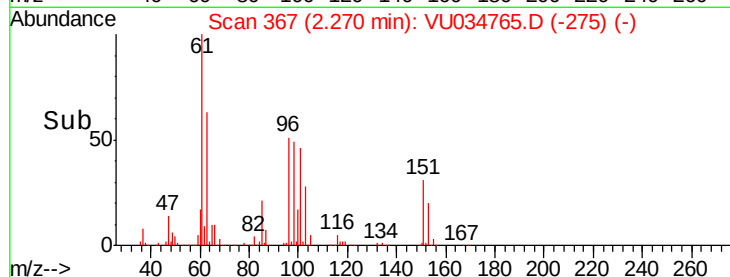
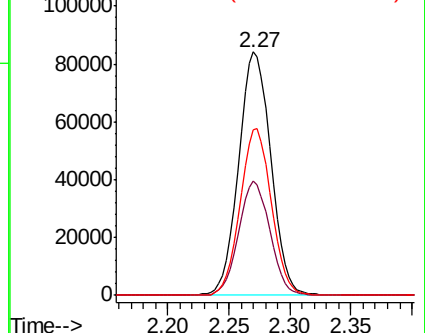
151 66.4 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.525 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

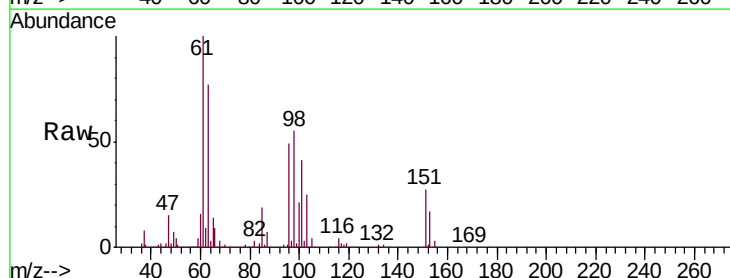
Tgt Ion: 96 Resp: 148160

Ion Ratio Lower Upper

96 100

61 202.9 153.2 284.4

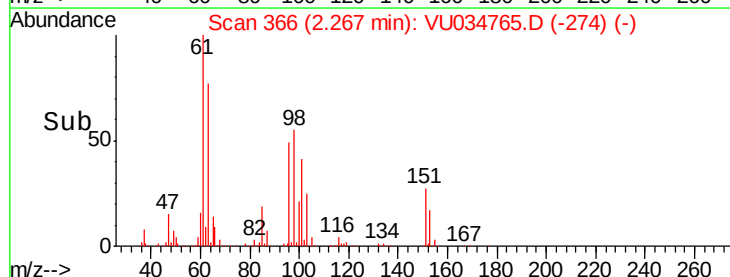
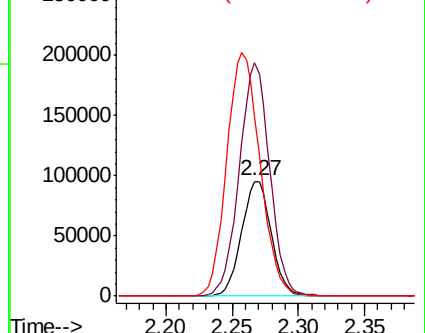
63 156.2 113.8 211.3

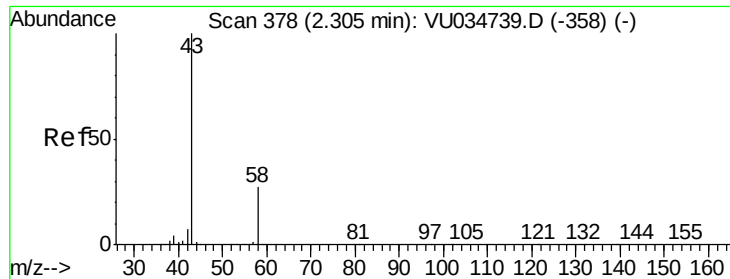


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 61.921 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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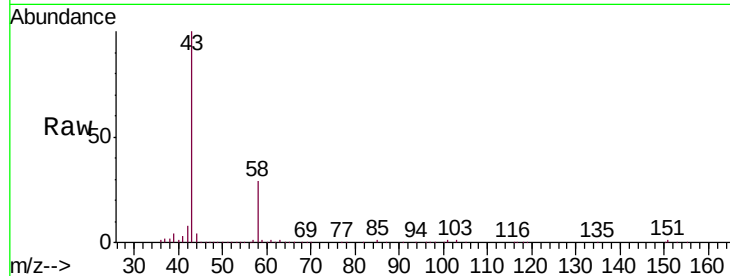
VSTD05043

Tgt Ion: 43 Resp: 275077

Ion Ratio Lower Upper

43 100

58 27.4 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034739.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034739.D (-358) (-)

2.31

150000

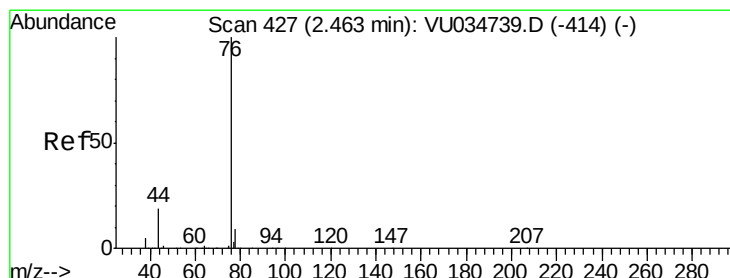
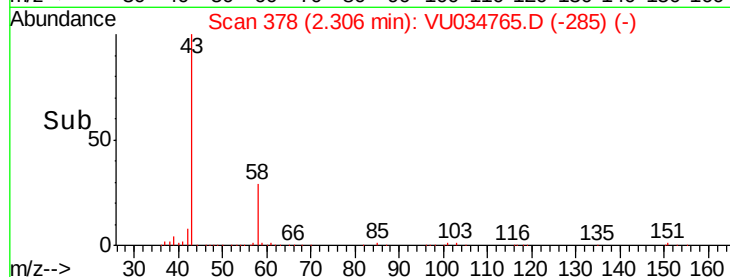
100000

50000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 44.541 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU034765.D

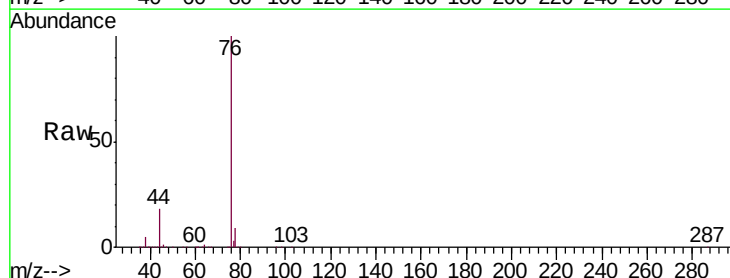
Acq: 24 Sep 2019 12:09

Tgt Ion: 76 Resp: 478593

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VU034739.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034739.D (-414) (-)

2.46

300000

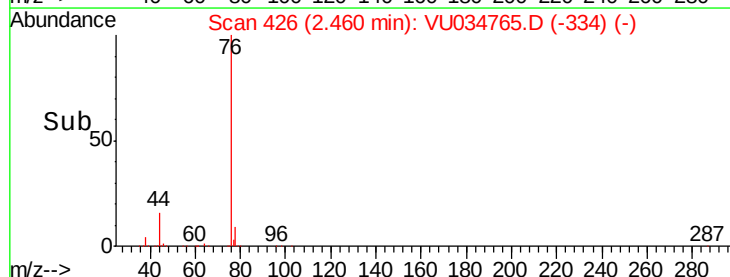
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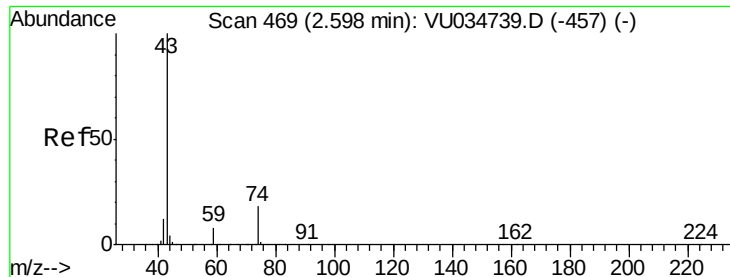
100000

0

Time-->

2.40 2.45 2.50 2.55

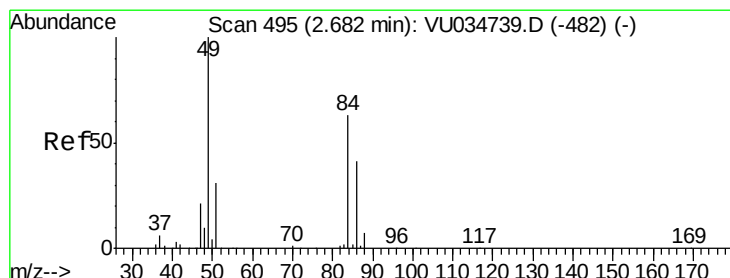
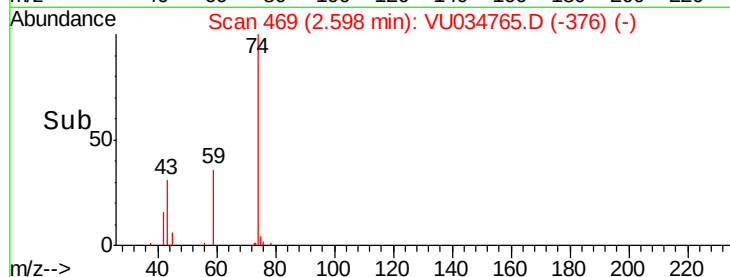
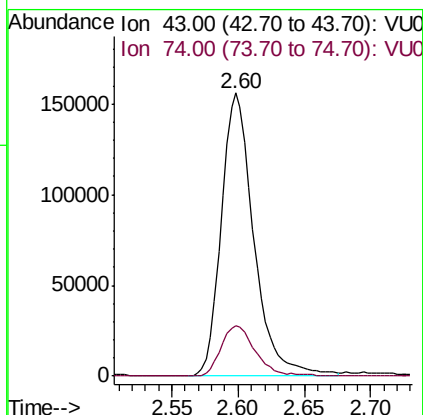
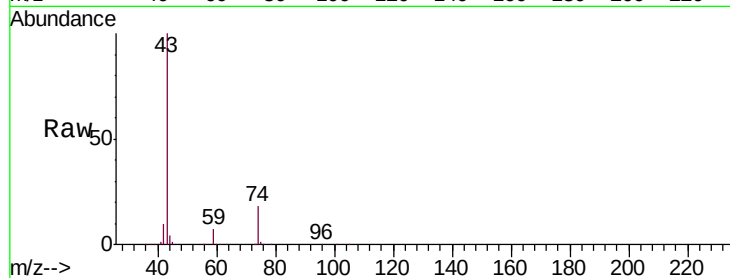




#15
Methyl Acetate
Concen: 44.455 ug/L
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU034765.D
Acq: 24 Sep 2019 12:09

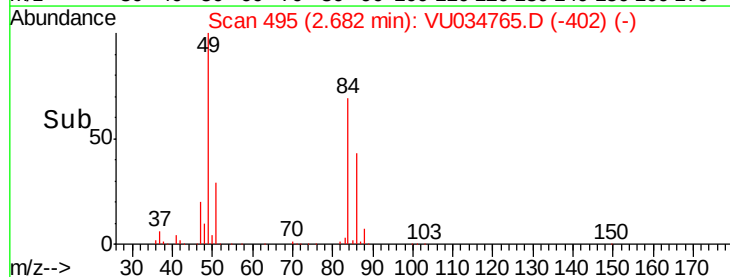
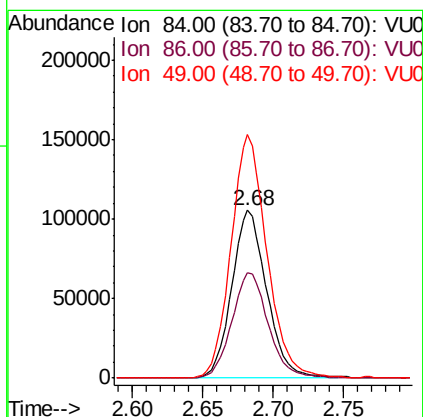
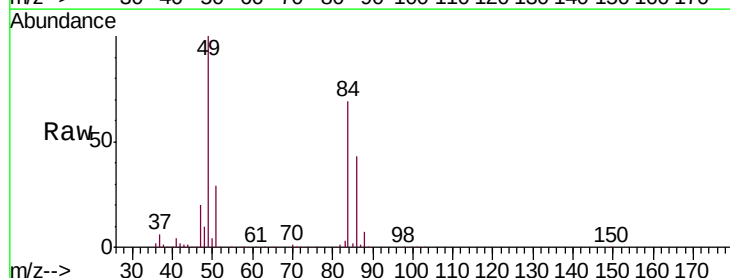
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

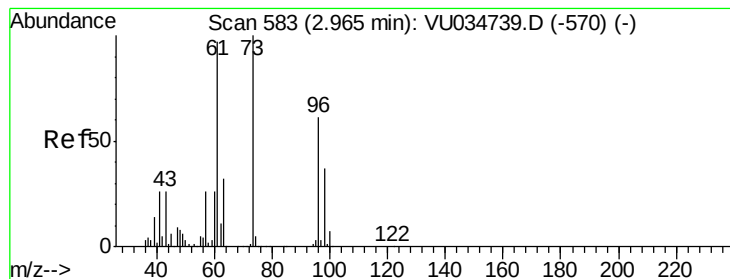
Tgt Ion: 43 Resp: 263803
Ion Ratio Lower Upper
43 100
74 19.0 14.4 21.6



#16
Methylene chloride
Concen: 45.436 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU034765.D
Acq: 24 Sep 2019 12:09

Tgt Ion: 84 Resp: 183283
Ion Ratio Lower Upper
84 100
86 62.9 43.0 80.0
49 145.2 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 47.598 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

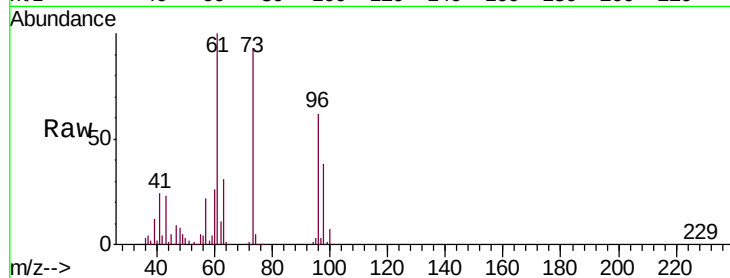
Tgt Ion: 96 Resp: 165724

Ion Ratio Lower Upper

96 100

61 160.9 124.0 230.4

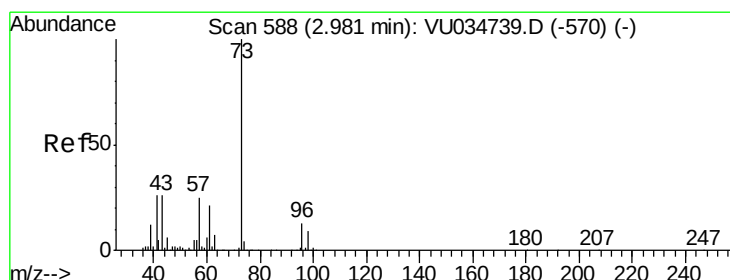
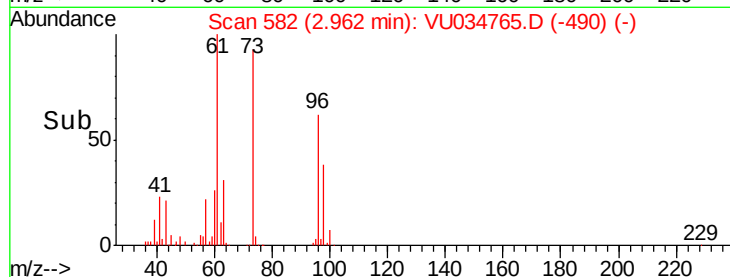
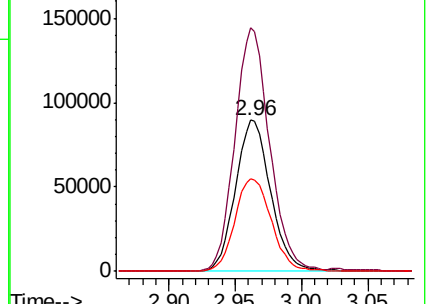
98 60.9 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU034739.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU034739.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU034739.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 44.587 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

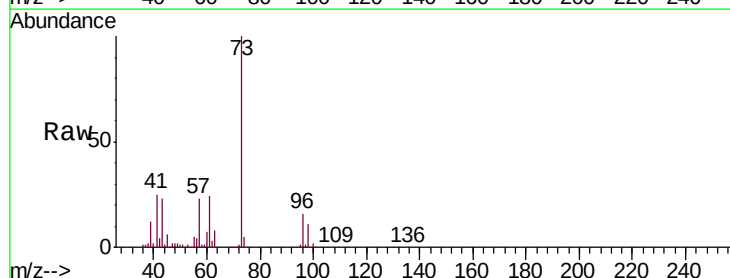
Tgt Ion: 73 Resp: 575927

Ion Ratio Lower Upper

73 100

43 24.0 20.9 31.3

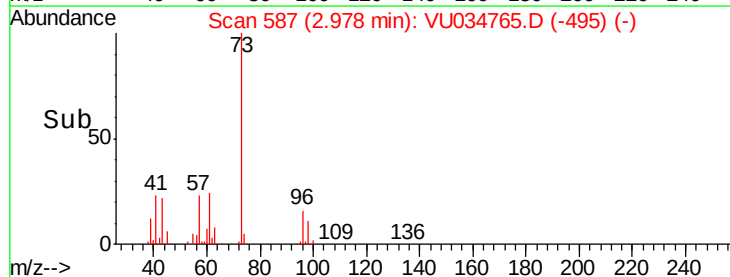
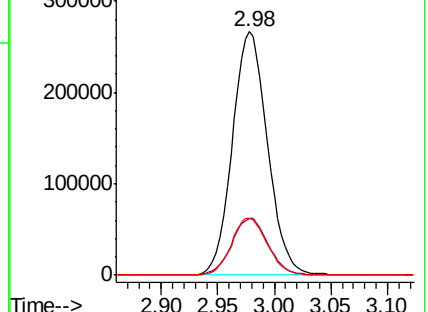
57 23.8 19.5 29.3

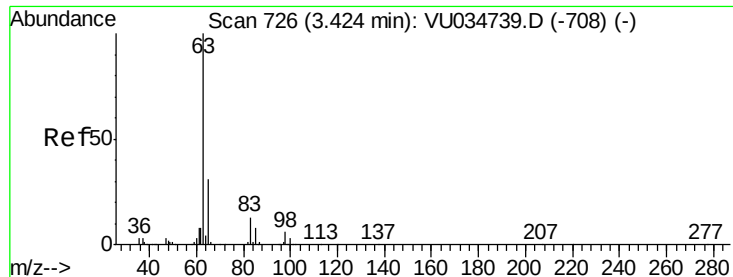


Abundance Ion 73.00 (72.70 to 73.70): VU034739.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU034739.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU034739.D (-570) (-)

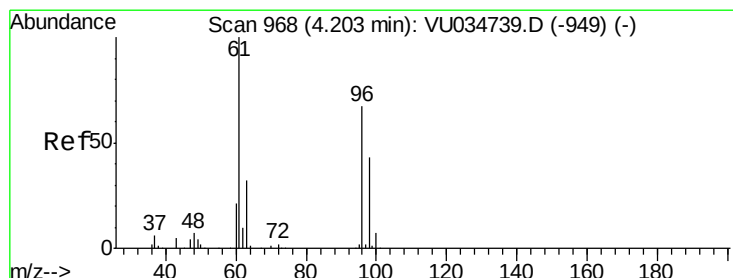
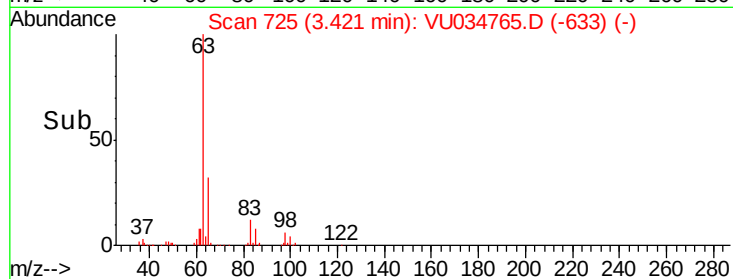
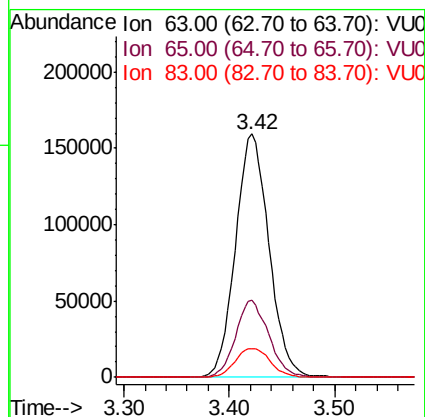
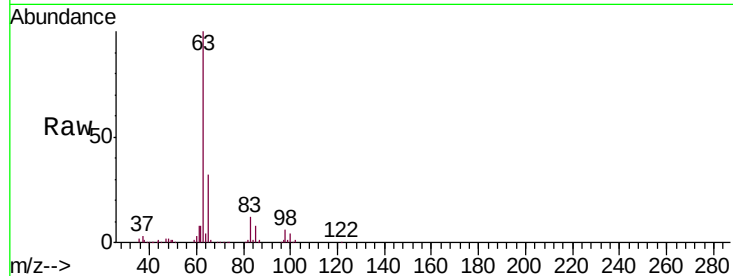




#19
 1,1-Dichloroethane
 Concen: 43.968 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

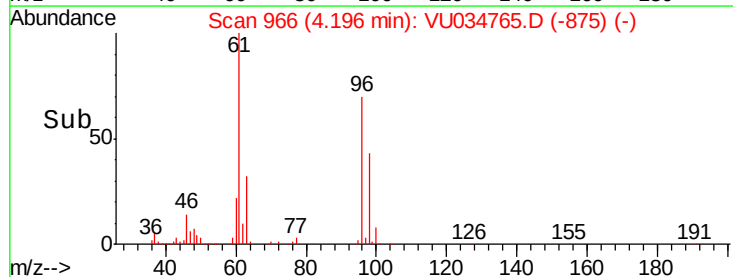
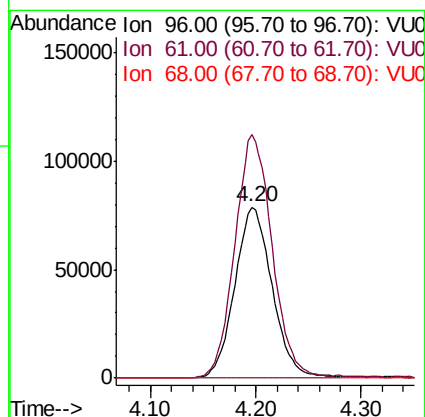
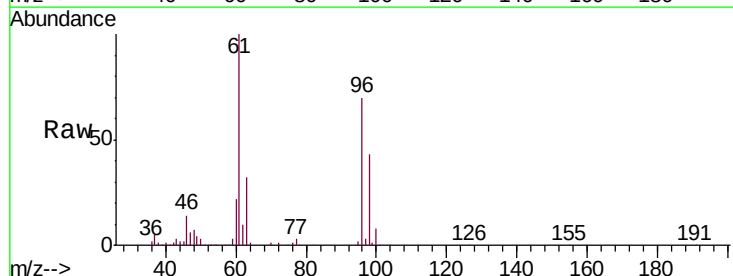
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

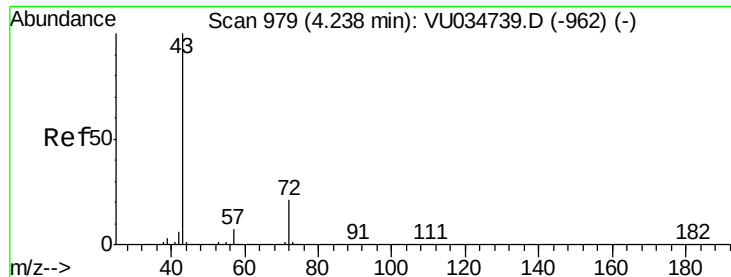
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.0	40.8
83	11.8	8.9	16.5



#20
 cis-1,2-Dichloroethene
 Concen: 47.674 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.5	108.8	202.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 77.415 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

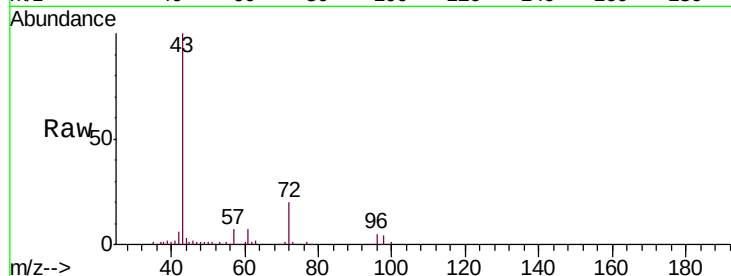
VSTD05043

Tgt Ion: 43 Resp: 409139

Ion Ratio Lower Upper

43 100

72 21.3 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034739.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034739.D (-962) (-)

4.23

150000

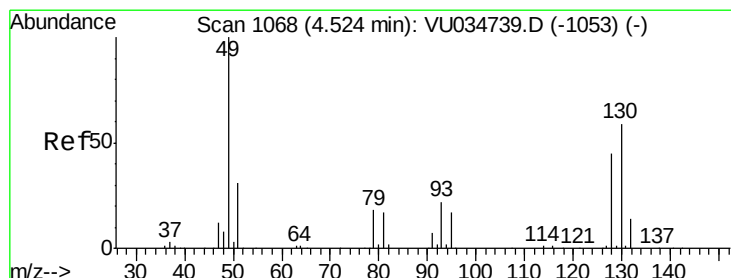
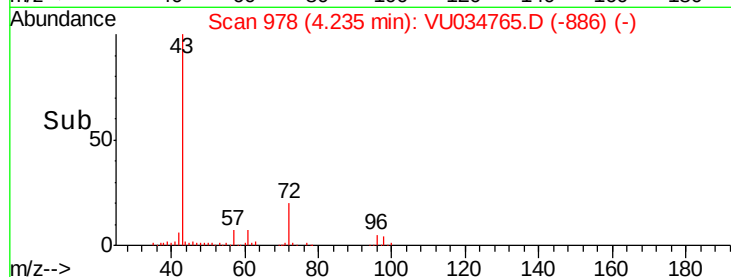
100000

50000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 46.046 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Tgt Ion: 128 Resp: 89723

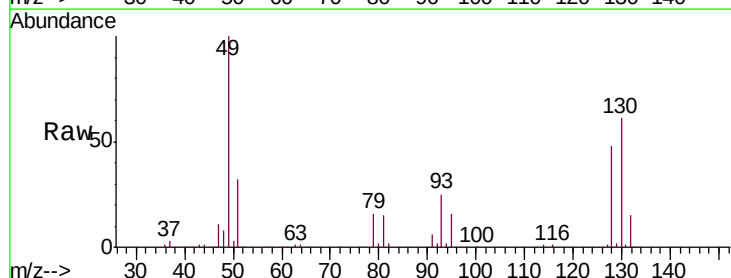
Ion Ratio Lower Upper

128 100

49 210.0 154.3 286.7

130 128.5 83.0 154.2

51 66.9 56.4 84.6



Abundance Ion 128.00 (127.70 to 128.70): VU034739.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034739.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034739.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034739.D (-1053) (-)

4.52

120000

100000

80000

60000

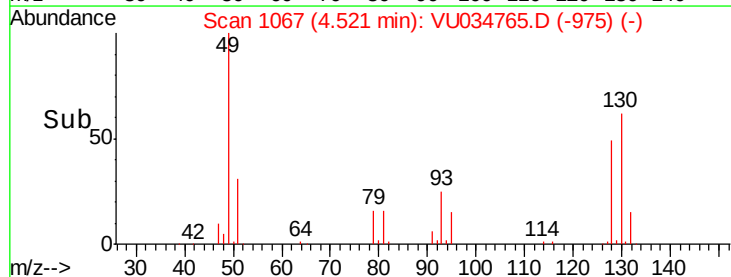
40000

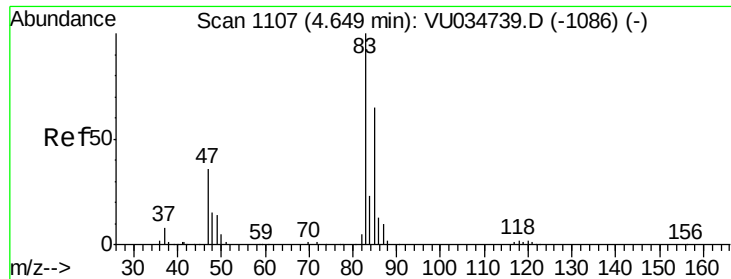
20000

0

4.45 4.50 4.55 4.60

Time-->

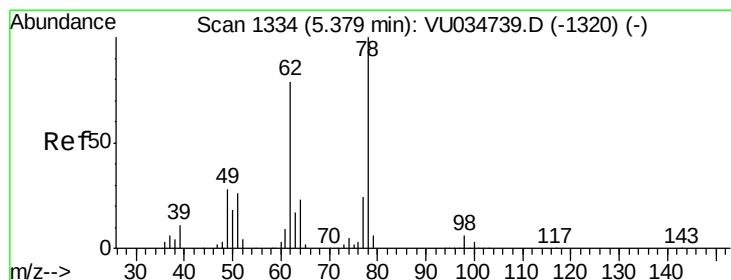
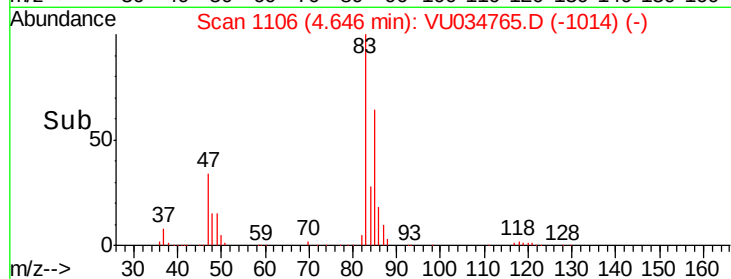
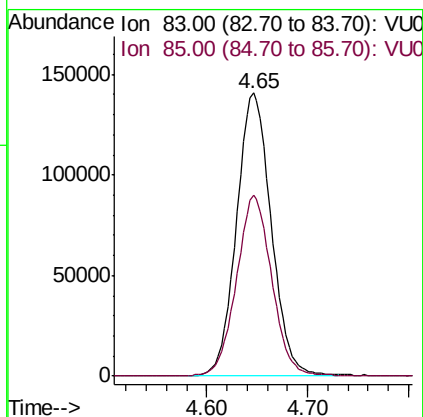
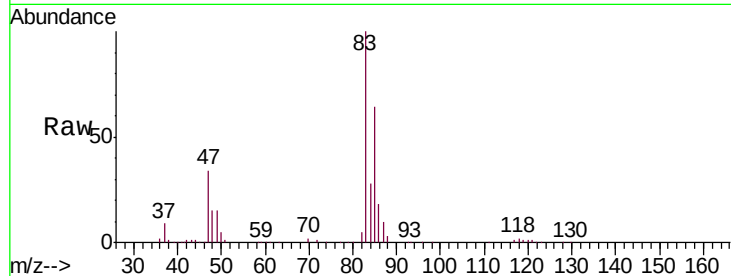




#25
Chloroform
Concen: 42.715 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034765.D
Acq: 24 Sep 2019 12:09

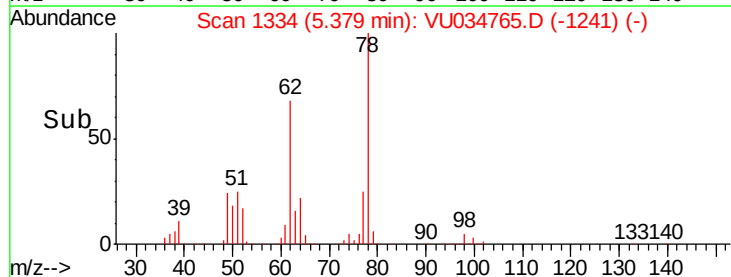
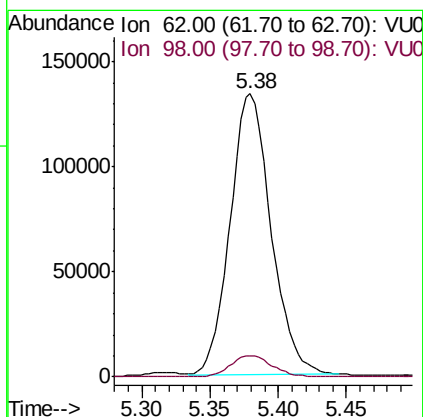
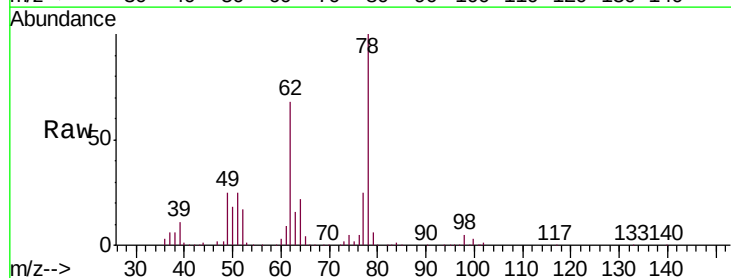
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

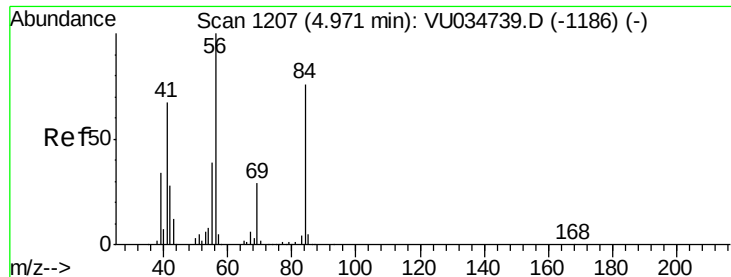
Tgt Ion: 83 Resp: 335965
Ion Ratio Lower Upper
83 100
85 64.1 44.0 81.6



#27
1,2-Dichloroethane
Concen: 41.126 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034765.D
Acq: 24 Sep 2019 12:09

Tgt Ion: 62 Resp: 279422
Ion Ratio Lower Upper
62 100
98 7.5 5.3 7.9

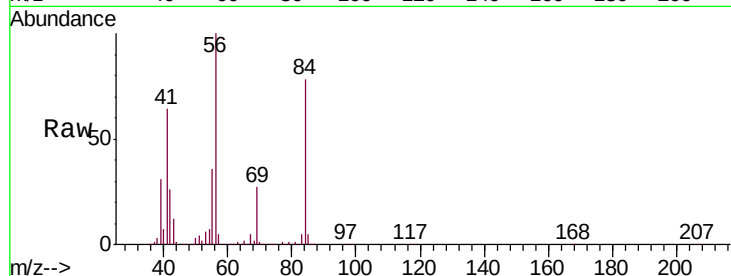




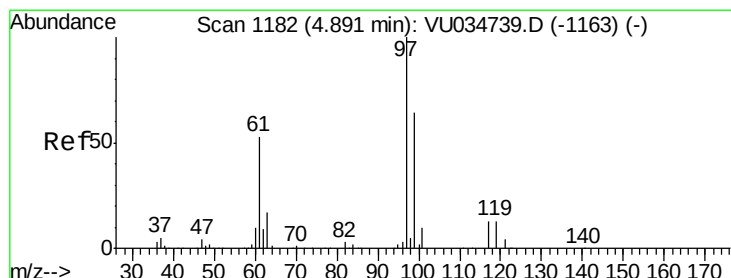
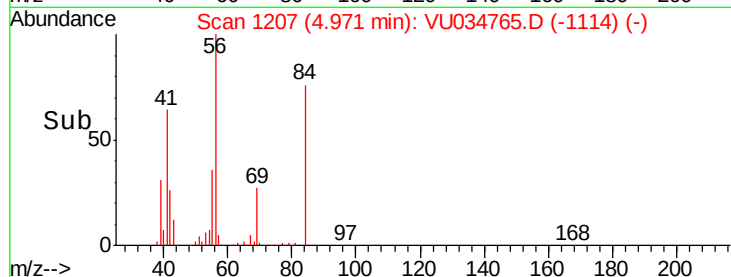
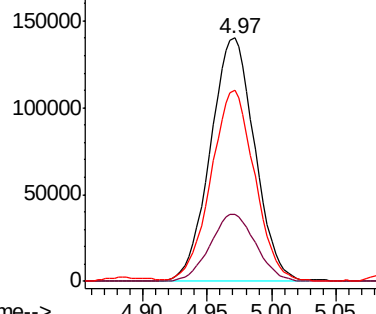
#29
Cyclohexane
Concen: 44.158 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034765.D
Acq: 24 Sep 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion: 56 Resp: 334315
Ion Ratio Lower Upper
56 100
69 28.4 21.7 32.5
84 77.3 58.8 88.2

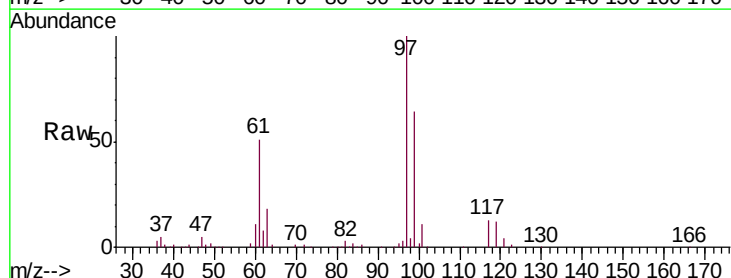


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

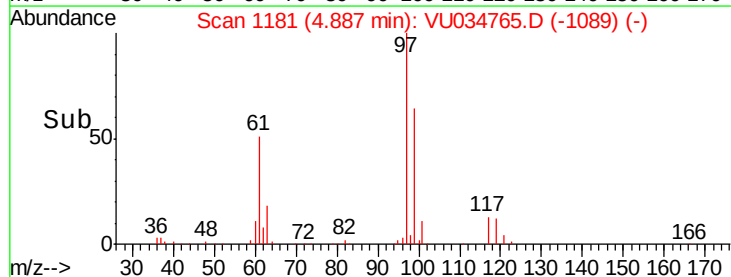
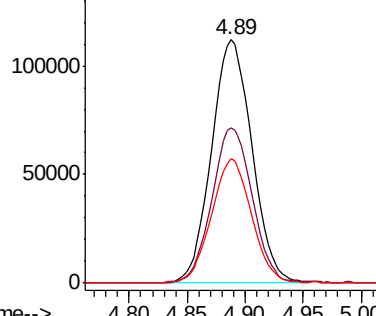


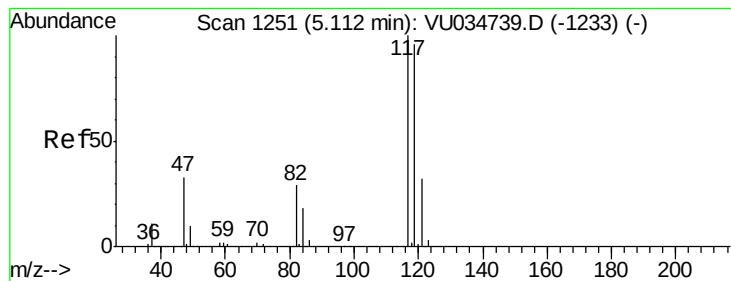
#30
1,1,1-Trichloroethane
Concen: 43.732 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034765.D
Acq: 24 Sep 2019 12:09

Tgt Ion: 97 Resp: 273009
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.8
61 50.3 43.4 65.0



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





#31

Carbon tetrachloride

Concen: 44.362 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

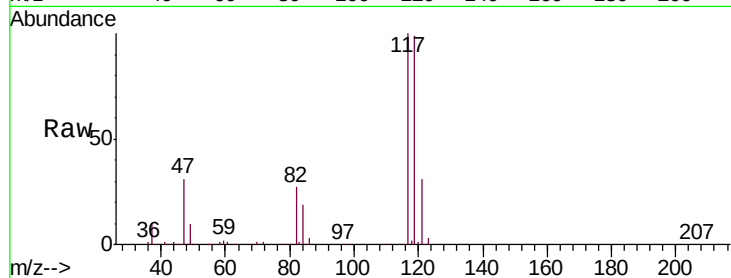
VSTD05043

Tgt Ion:117 Resp: 236028

Ion Ratio Lower Upper

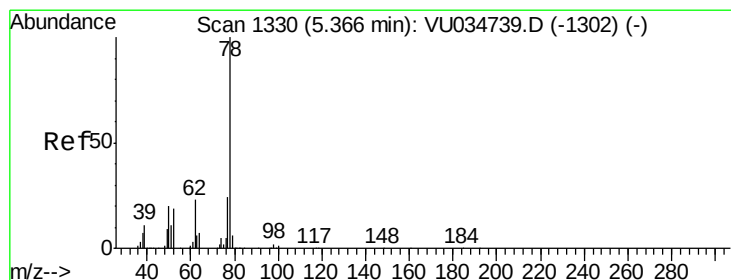
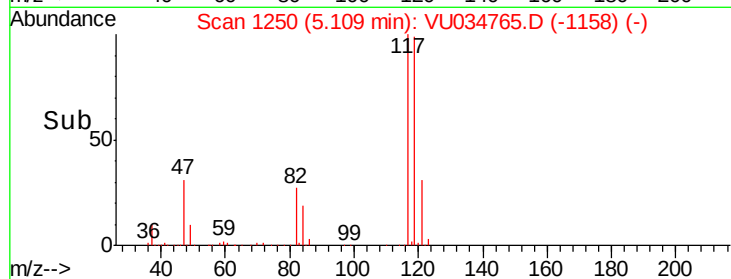
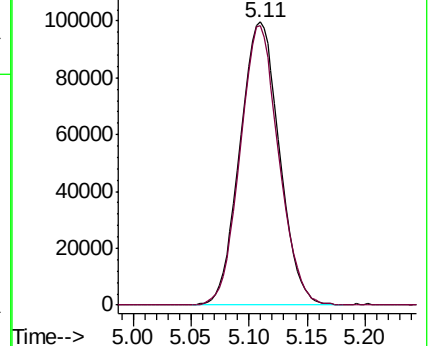
117 100

119 96.4 74.8 112.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.357 ug/L

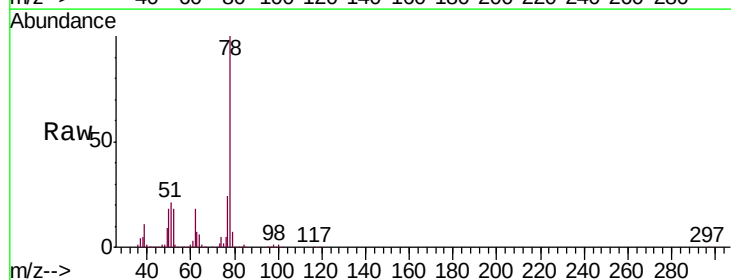
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

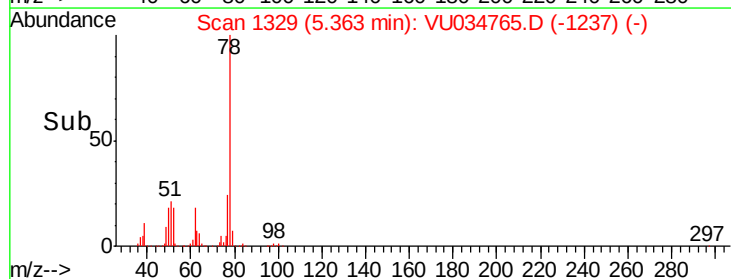
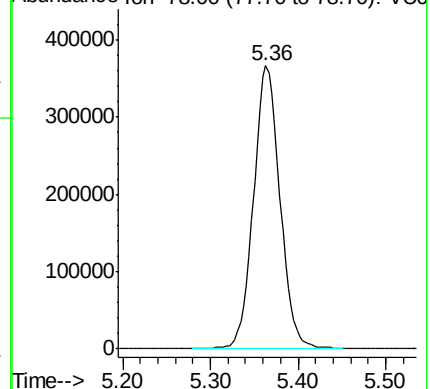
Lab File: VU034765.D

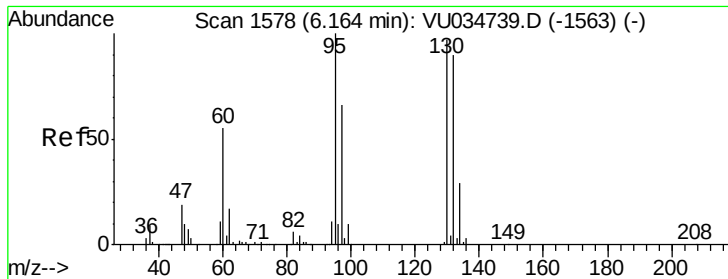
Acq: 24 Sep 2019 12:09

Tgt Ion: 78 Resp: 769276



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.619 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 95 Resp: 187087

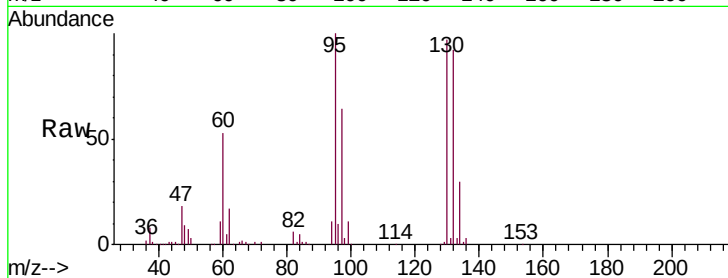
Ion Ratio Lower Upper

95 100

97 64.2 43.7 81.1

132 92.4 61.0 113.2

130 96.8 65.7 121.9

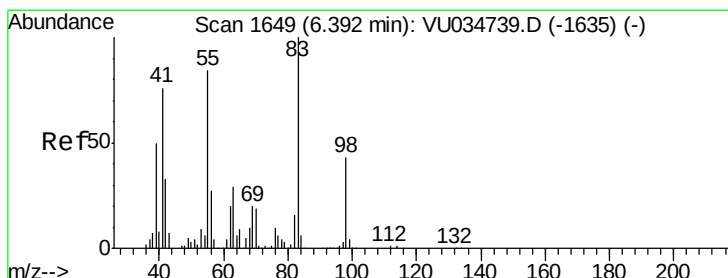
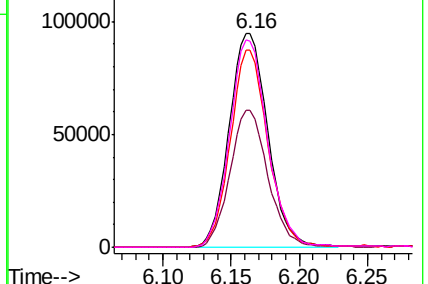
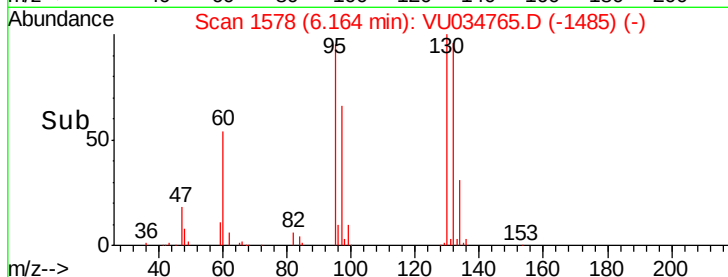


Abundance Ion 95.00 (94.70 to 95.70): VU034765.D (-1563) (-)

Ion 97.00 (96.70 to 97.70): VU034765.D (-1563) (-)

Ion 132.00 (131.70 to 132.70): VU034765.D (-1563) (-)

Ion 130.00 (129.70 to 130.70): VU034765.D (-1563) (-)



#35

Methylcyclohexane

Concen: 46.838 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

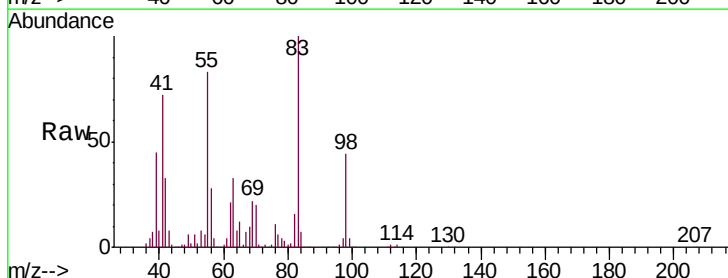
Tgt Ion: 83 Resp: 312279

Ion Ratio Lower Upper

83 100

55 82.5 71.6 107.4

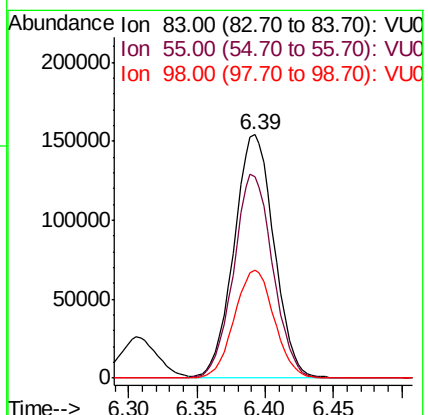
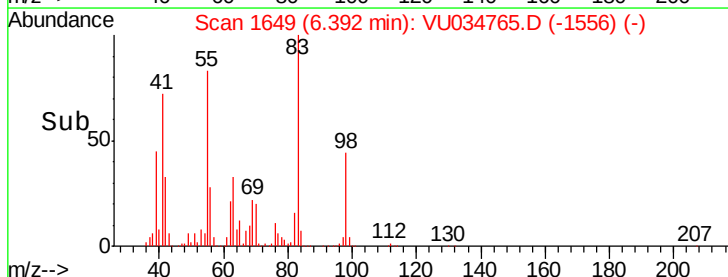
98 44.4 35.7 53.5

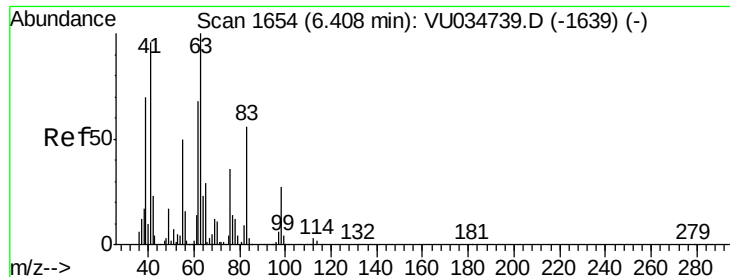


Abundance Ion 83.00 (82.70 to 83.70): VU034765.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VU034765.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VU034765.D (-1556) (-)

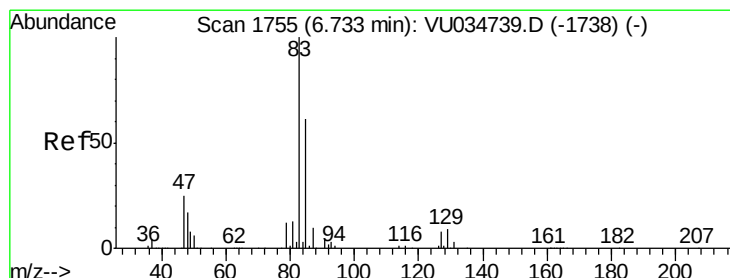
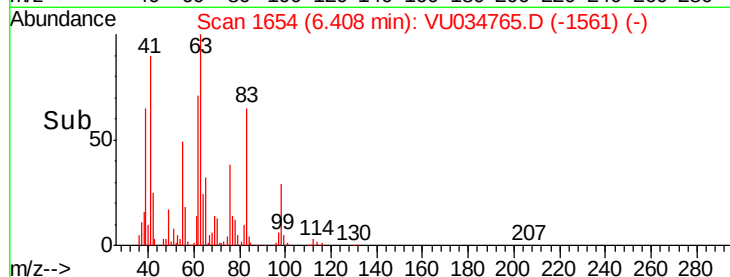
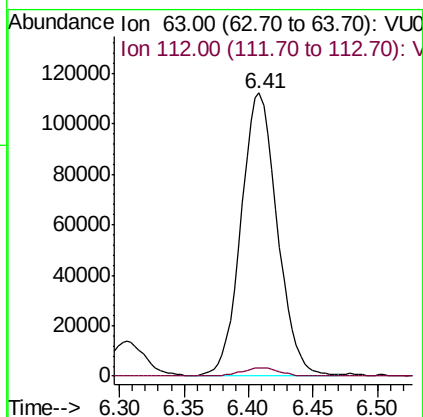
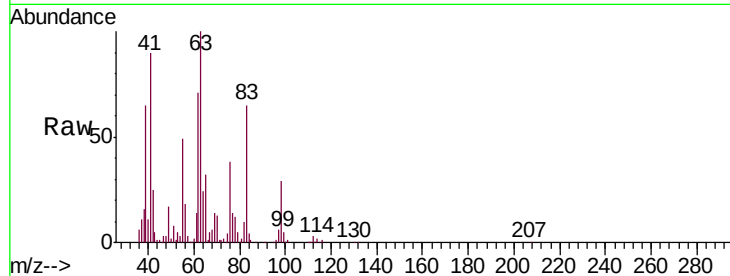




#37
 1,2-Dichloropropane
 Concen: 46.276 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

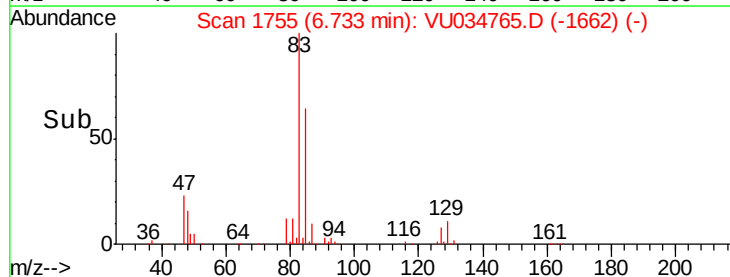
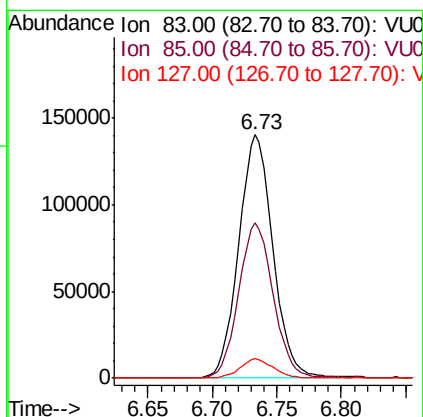
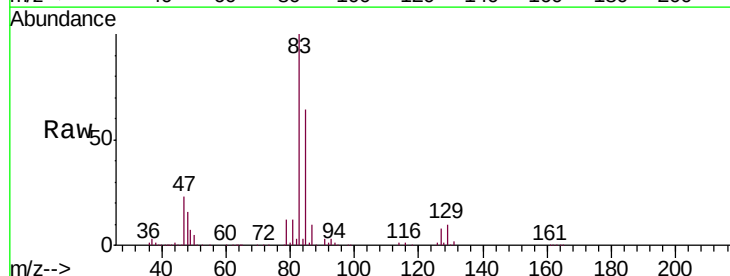
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

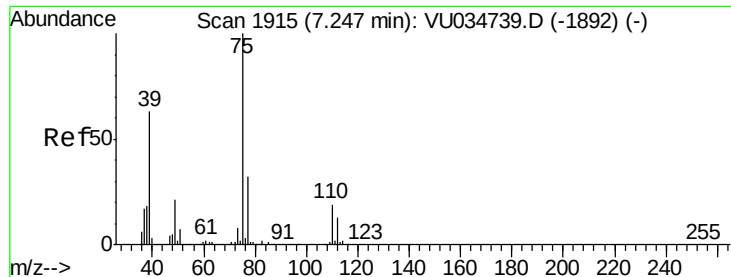
Tgt Ion: 63 Resp: 219203
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.4 3.6



#38
 Bromodichloromethane
 Concen: 44.945 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

Tgt Ion: 83 Resp: 258188
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.5 84.5
 127 7.8 6.1 9.1

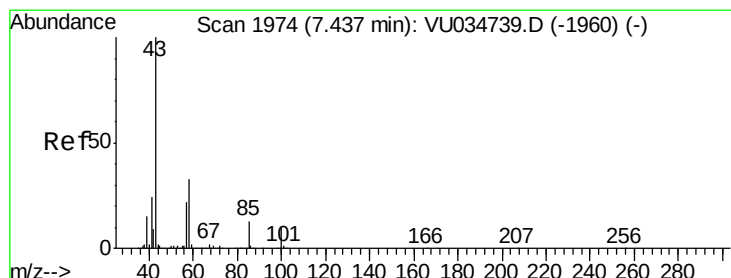
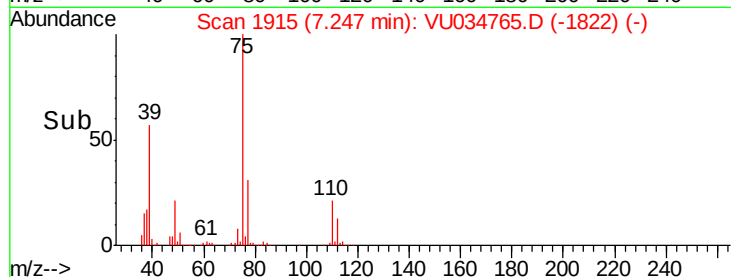
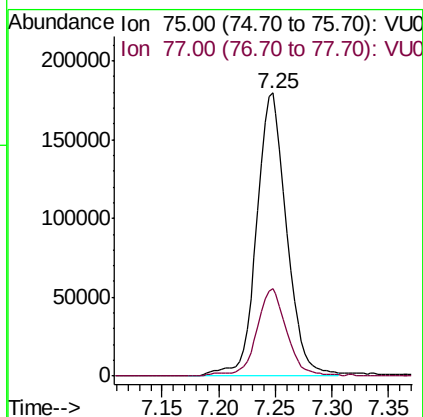
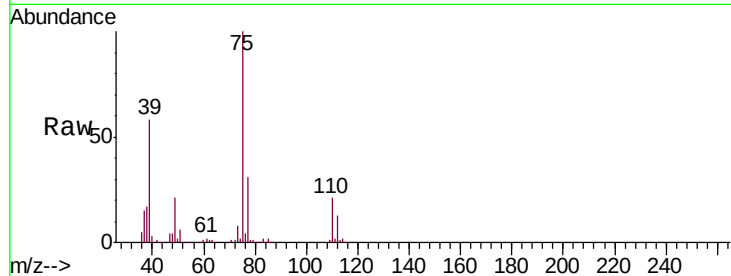




#39
 cis-1,3-Dichloropropene
 Concen: 46.673 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

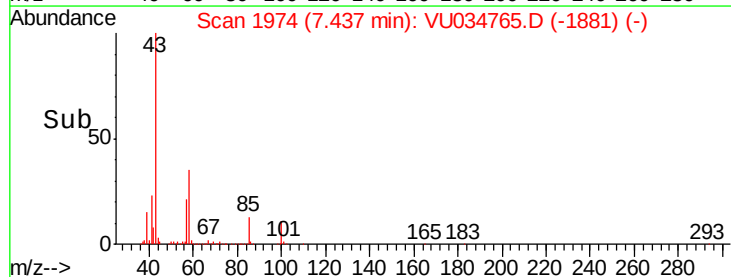
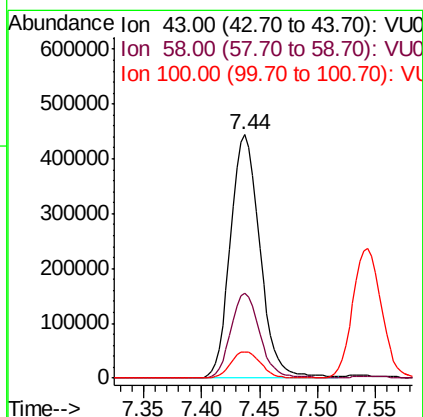
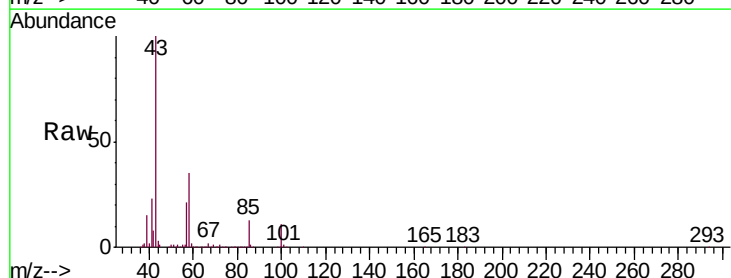
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

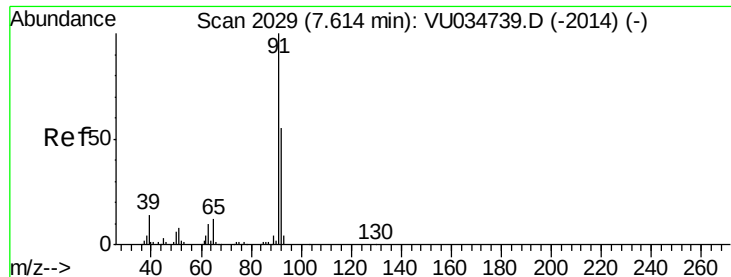
Tgt Ion: 75 Resp: 332188
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 86.717 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

Tgt Ion: 43 Resp: 784220
 Ion Ratio Lower Upper
 43 100
 58 34.4 25.2 37.8
 100 11.1 7.7 11.5





#42

Toluene

Concen: 47.826 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

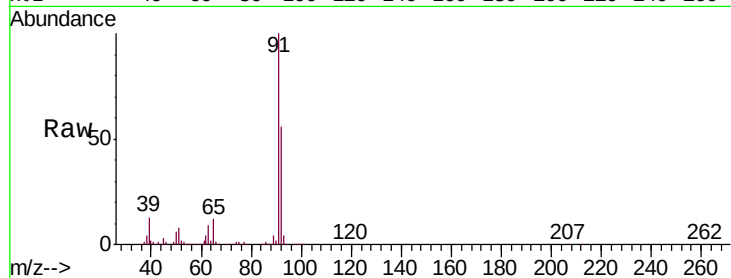
VSTD05043

Tgt Ion: 91 Resp: 822241

Ion Ratio Lower Upper

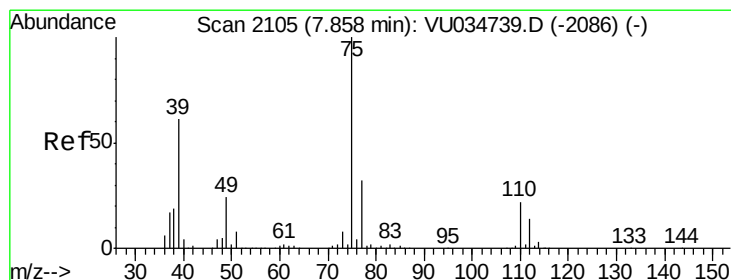
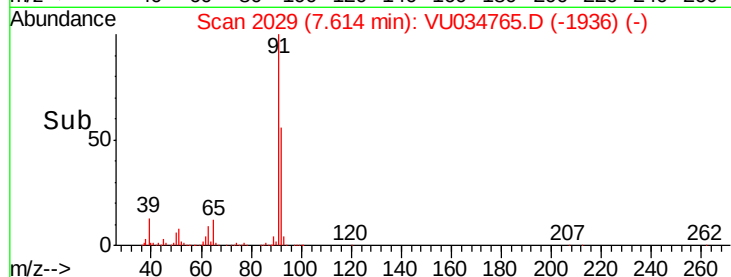
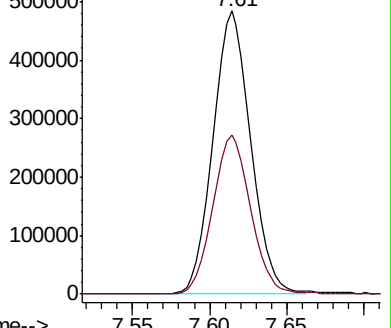
91 100

92 56.1 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU034739.D (-2014) (-)

Ion 92.00 (91.70 to 92.70): VU034739.D (-2014) (-)



#44

trans-1,3-Dichloropropene

Concen: 46.199 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034765.D

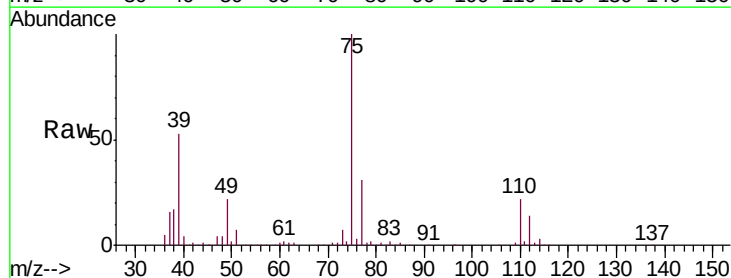
Acq: 24 Sep 2019 12:09

Tgt Ion: 75 Resp: 296427

Ion Ratio Lower Upper

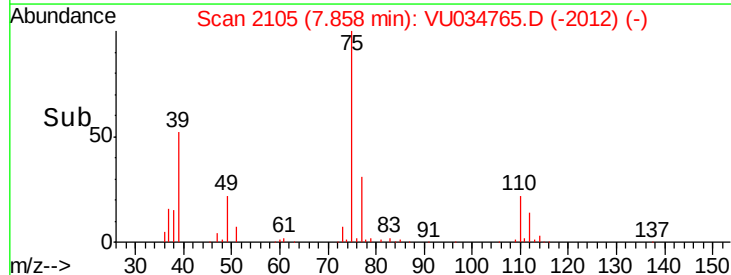
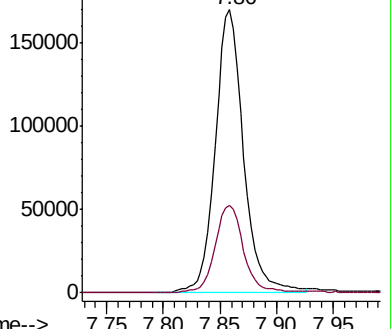
75 100

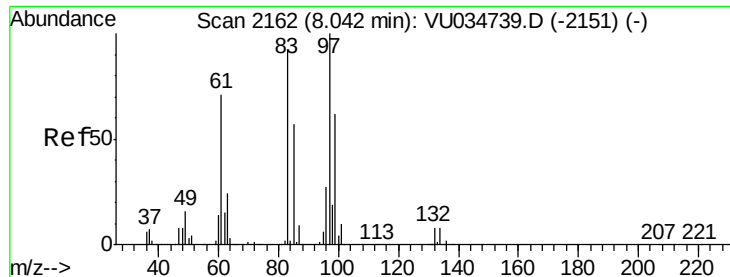
77 31.2 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU034739.D (-2086) (-)

Ion 77.00 (76.70 to 77.70): VU034739.D (-2086) (-)

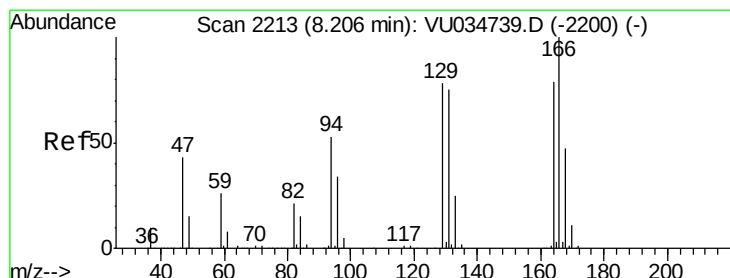
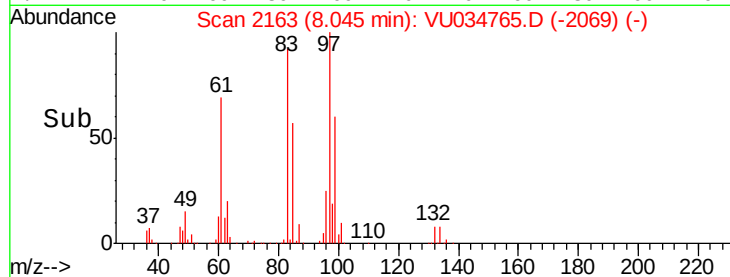
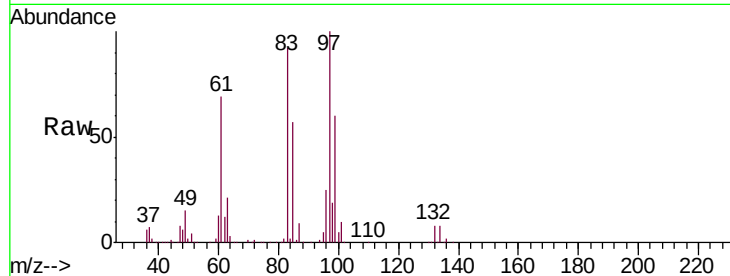
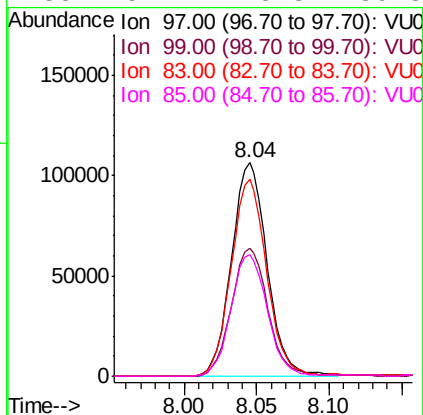




#45
 1,1,2-Trichloroethane
 Concen: 47.631 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

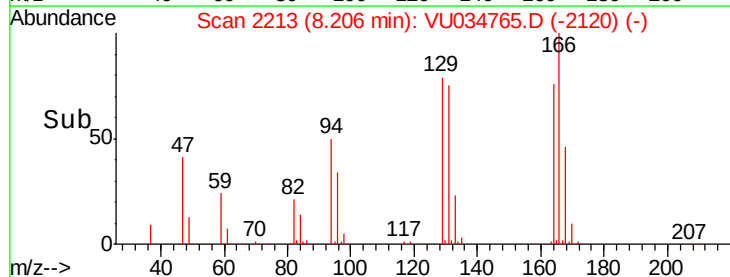
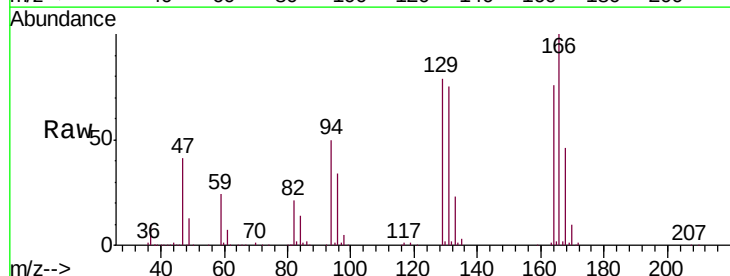
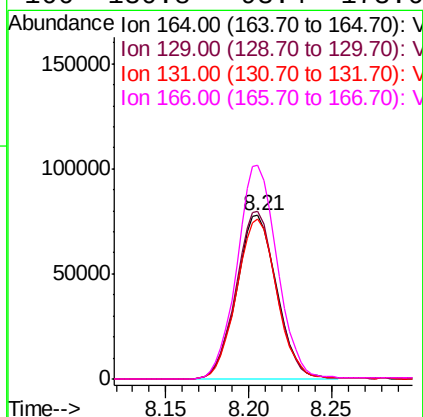
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

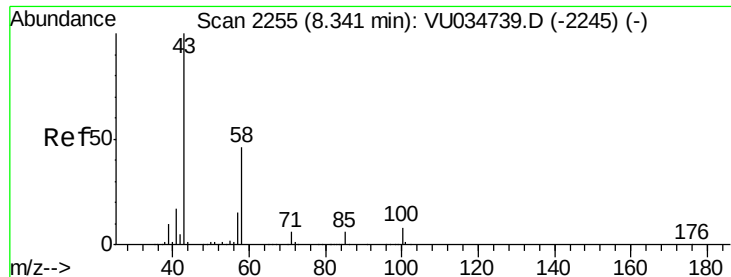
Tgt Ion:	97	Resp:	180722
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.6	81.0
83	92.1	66.9	124.3
85	57.1	43.3	80.3



#46
 Tetrachloroethene
 Concen: 47.779 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

Tgt Ion:	164	Resp:	132039
Ion	Ratio	Lower	Upper
164	100		
129	102.8	71.9	133.5
131	98.4	66.3	123.1
166	130.8	93.4	173.6

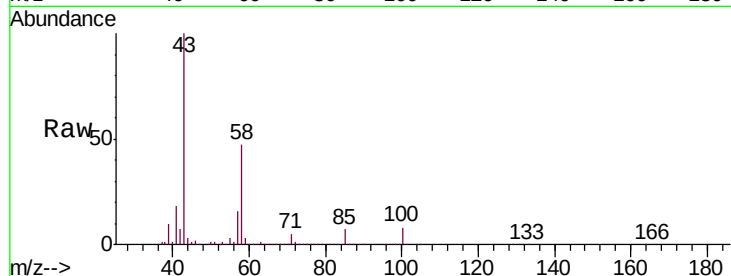




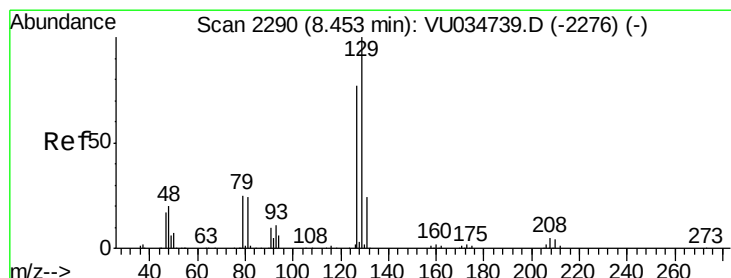
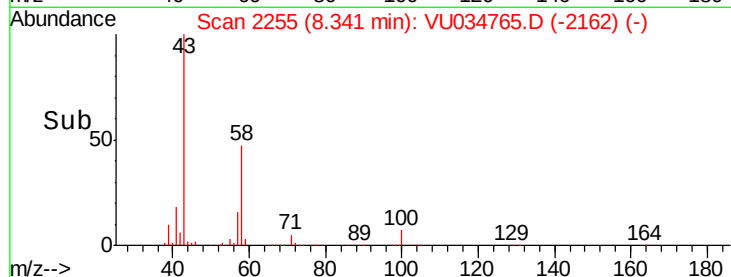
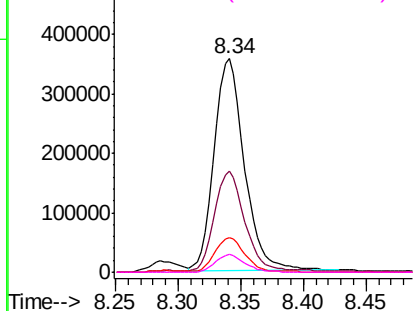
#48
2-Hexanone
Concen: 84.538 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034765.D
Acq: 24 Sep 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion: 43 Resp: 597104
Ion Ratio Lower Upper
43 100
58 46.9 35.3 52.9
57 16.4 12.1 18.1
100 8.2 6.2 9.4

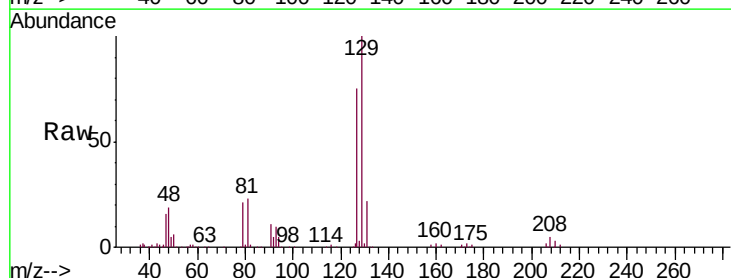


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

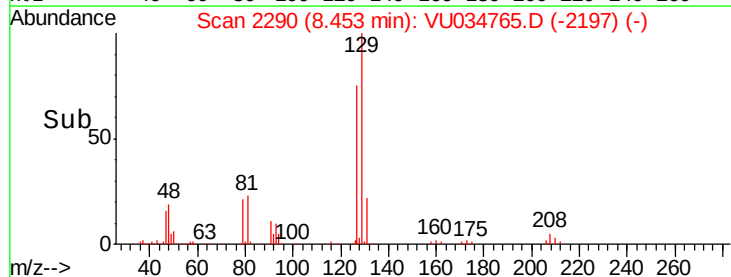
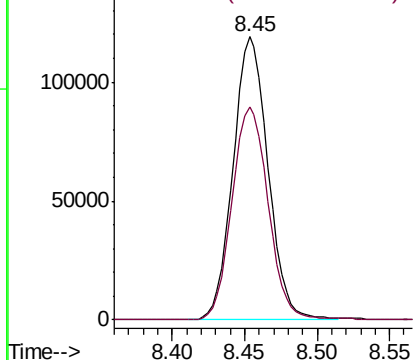


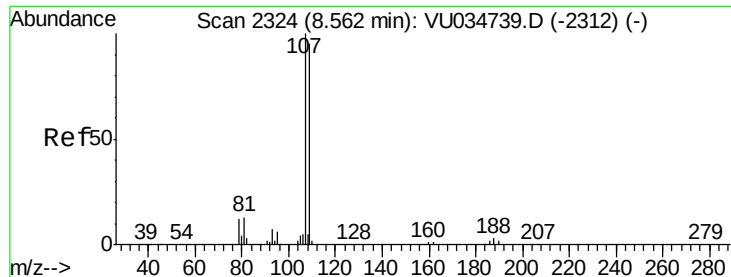
#49
Dibromochloromethane
Concen: 47.297 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034765.D
Acq: 24 Sep 2019 12:09

Tgt Ion: 129 Resp: 200028
Ion Ratio Lower Upper
129 100
127 75.1 55.5 103.1



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

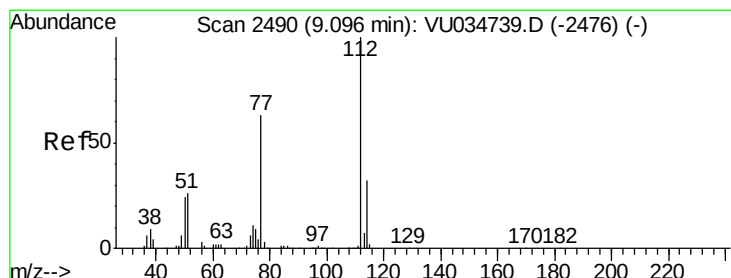
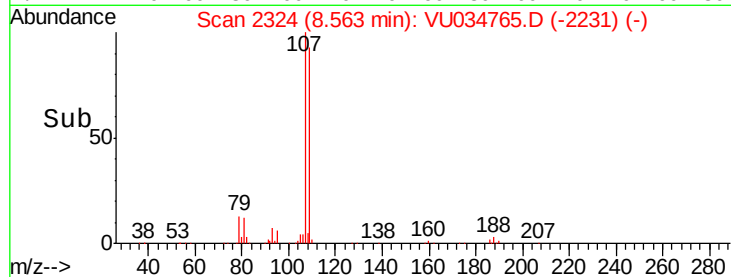
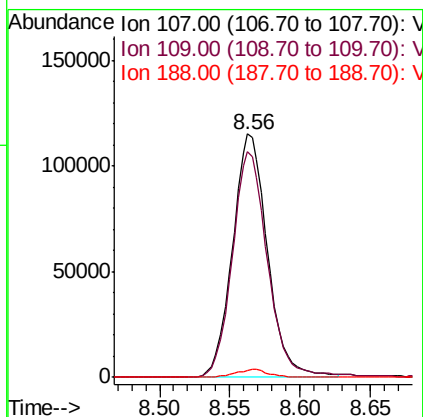
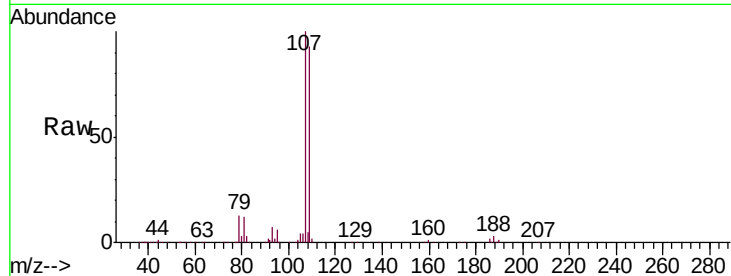




#50
 1,2-Dibromoethane
 Concen: 48.957 ug/L
 RT: 8.56 min Scan# 2324
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

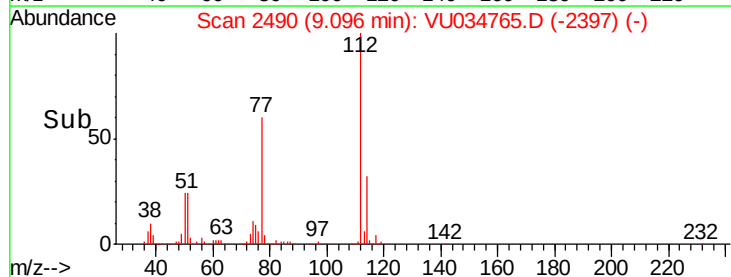
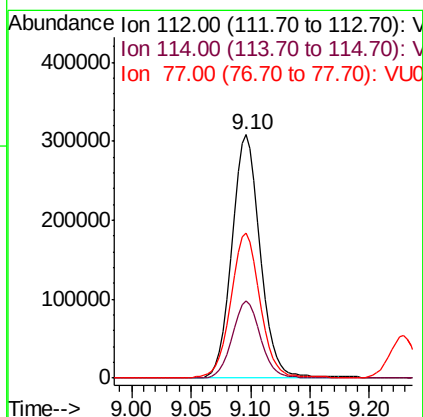
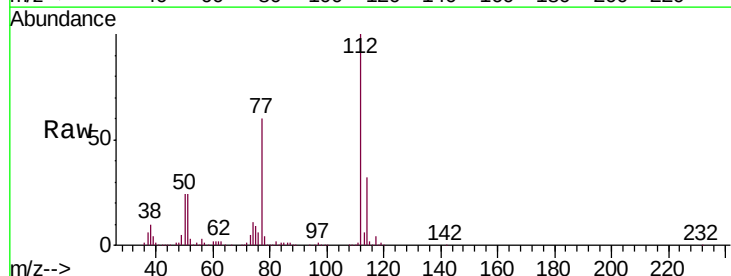
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

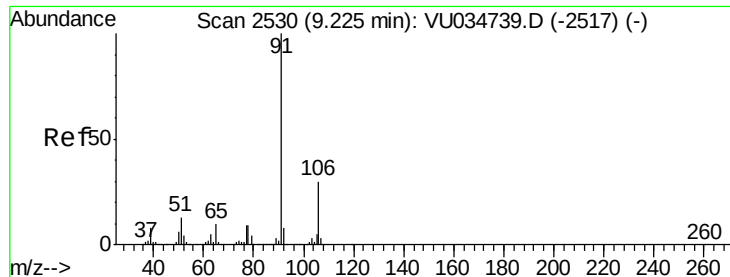
Tgt Ion:	107	Resp:	200197
Ion	Ratio	Lower	Upper
107	100		
109	92.6	65.5	121.6
188	2.9	2.7	4.1



#51
 Chlorobenzene
 Concen: 48.709 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

Tgt Ion:	112	Resp:	509066
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.8	42.4
77	59.6	51.5	77.3





#52

Ethylbenzene

Concen: 47.090 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

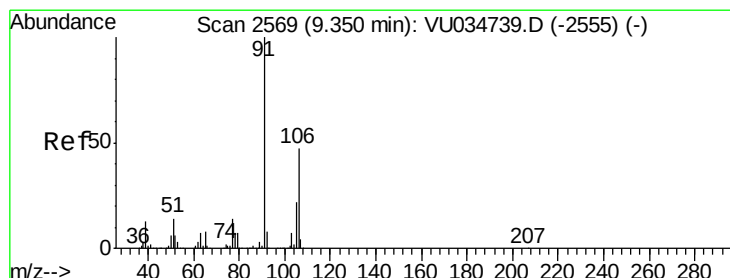
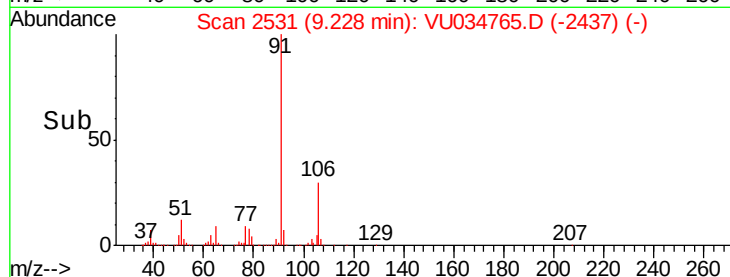
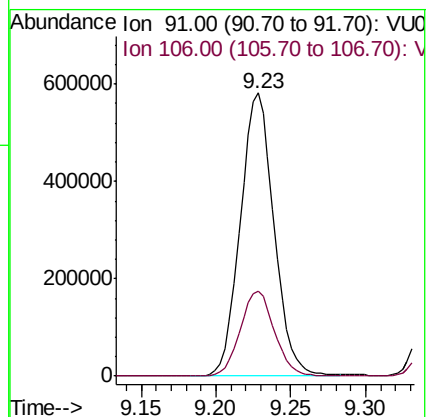
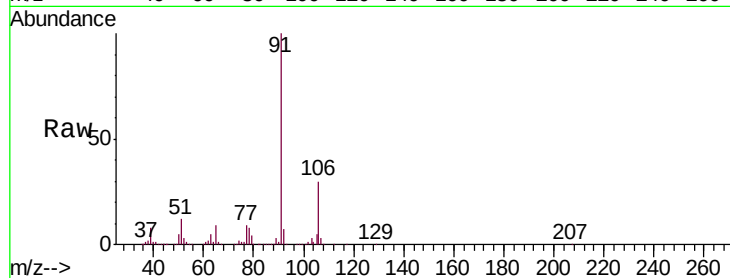
VSTD05043

Tgt Ion: 91 Resp: 911661

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.4



#53

m,p-Xylene

Concen: 49.044 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU034765.D

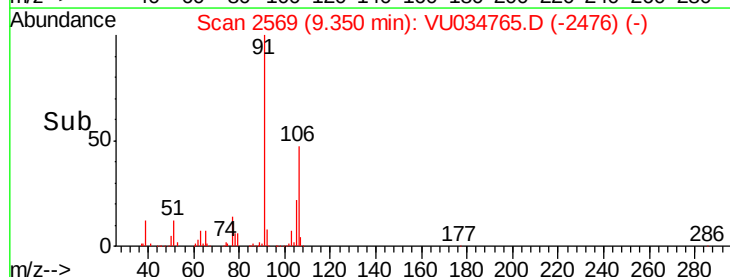
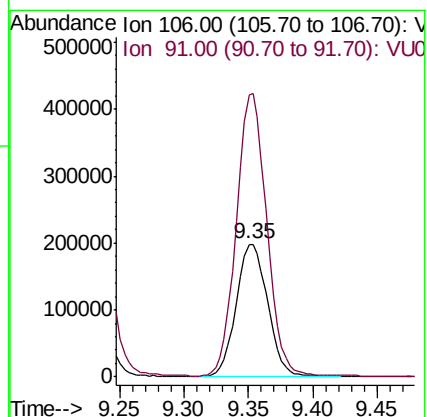
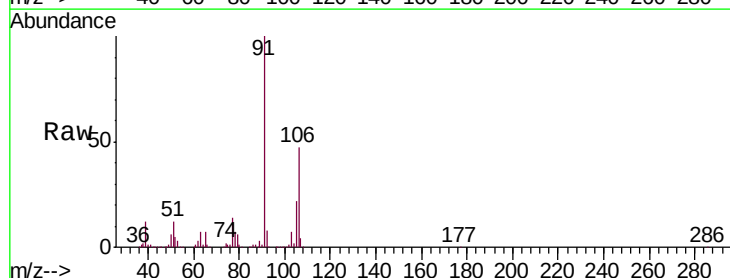
Acq: 24 Sep 2019 12:09

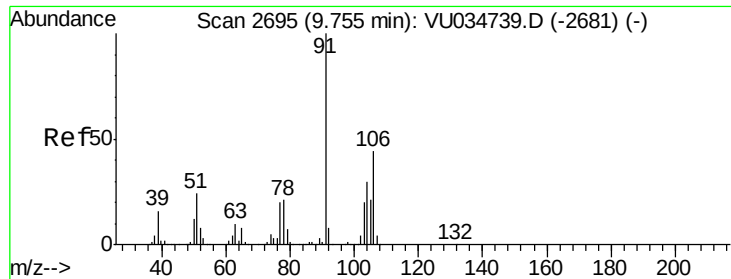
Tgt Ion: 106 Resp: 336303

Ion Ratio Lower Upper

106 100

91 211.8 146.9 272.7





#54

o-xylene

Concen: 48.729 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

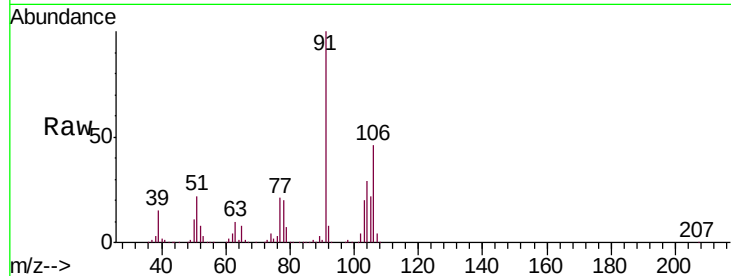
VSTD05043

Tgt Ion:106 Resp: 330501

Ion Ratio Lower Upper

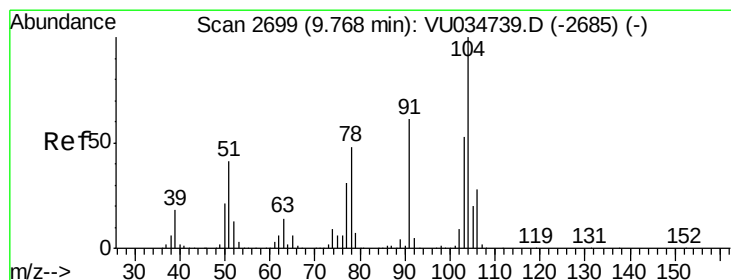
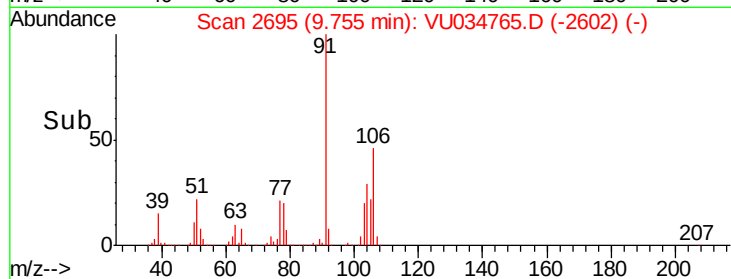
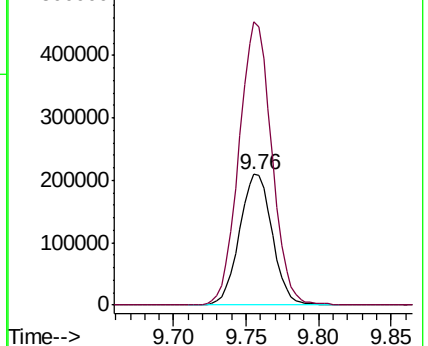
106 100

91 216.8 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.322 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VU034765.D

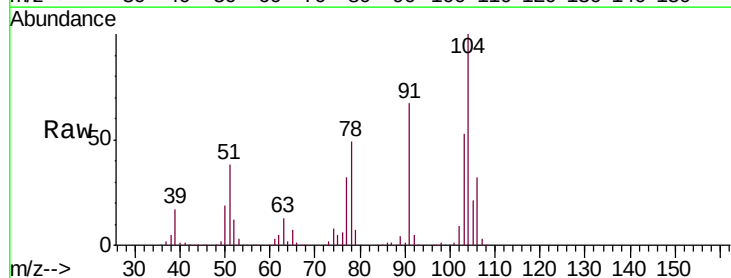
Acq: 24 Sep 2019 12:09

Tgt Ion:104 Resp: 566239

Ion Ratio Lower Upper

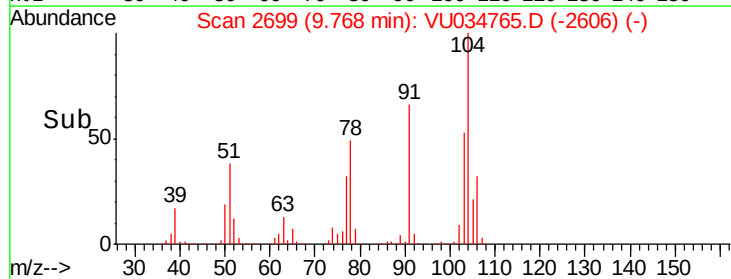
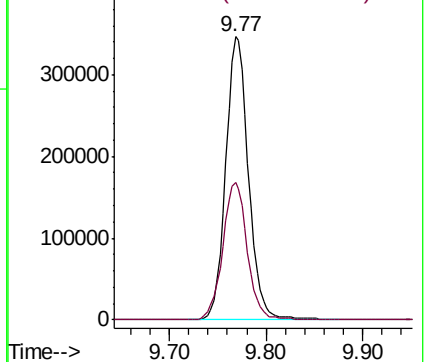
104 100

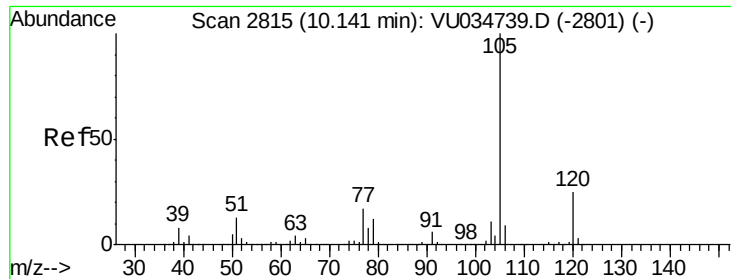
78 48.6 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 47.416 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

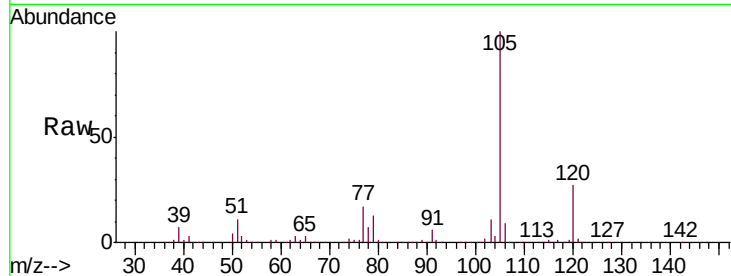
Tgt Ion: 105 Resp: 867128

Ion Ratio Lower Upper

105 100

120 26.3 20.4 30.6

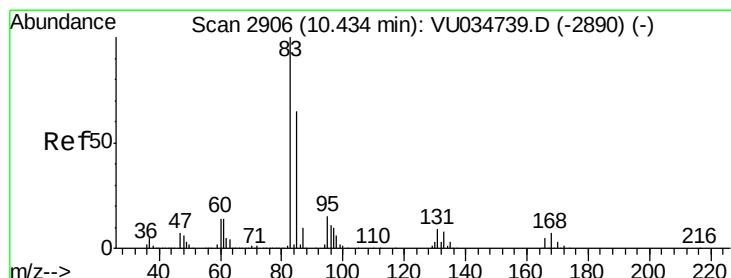
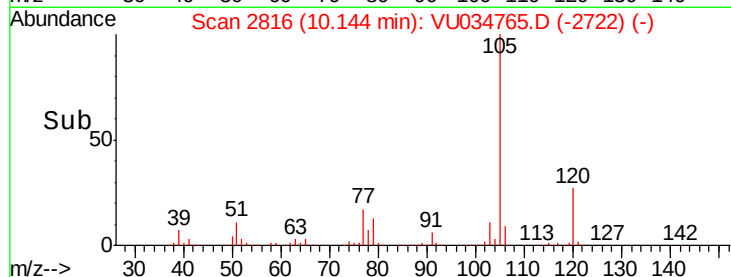
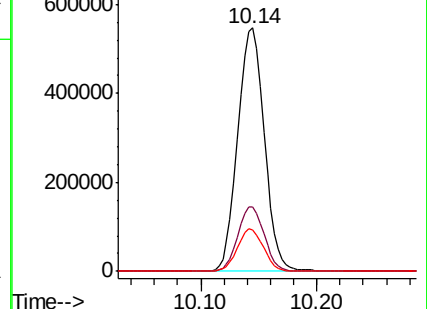
77 16.9 14.2 21.4



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: 46.901 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

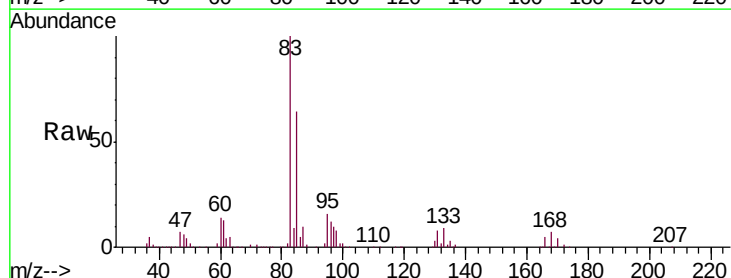
Tgt Ion: 83 Resp: 341797

Ion Ratio Lower Upper

83 100

85 64.3 44.6 82.8

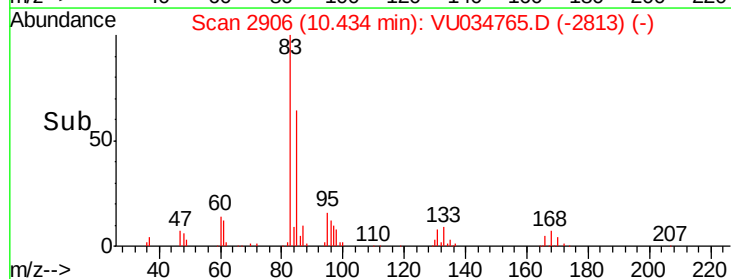
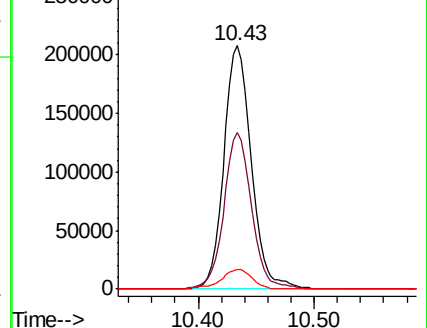
131 8.2 6.6 10.0

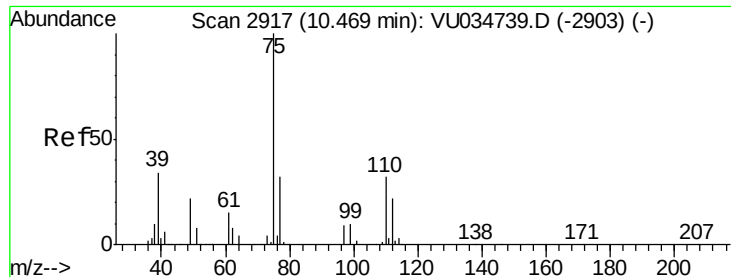


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 43.754 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

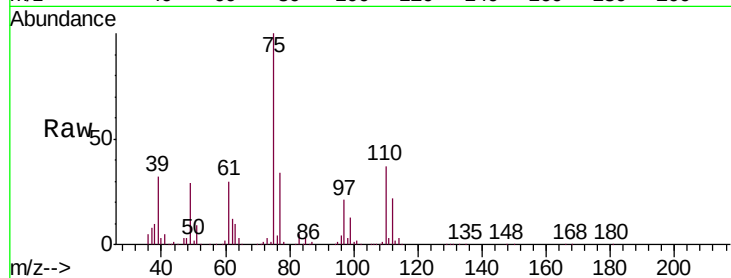
VSTD05043

Tgt Ion: 75 Resp: 258859

Ion Ratio Lower Upper

75 100

77 32.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU034739.D (-2903) (-)

Ion 77.00 (76.70 to 77.70): VU034739.D (-2903) (-)

10.47

150000

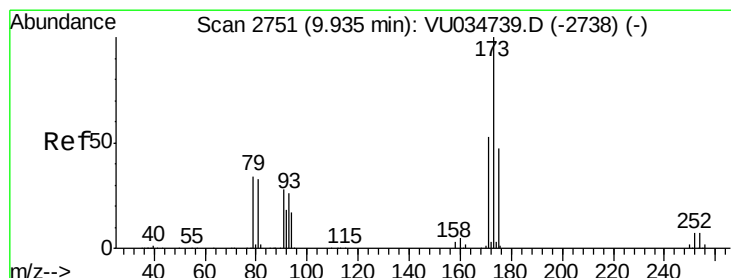
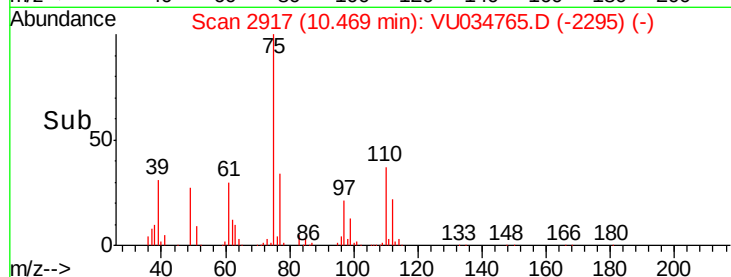
100000

50000

0

Time-->

10.40 10.45 10.50 10.55



#61

Bromoform

Concen: 45.494 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

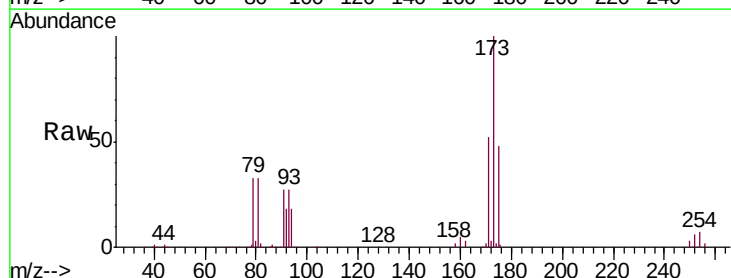
Tgt Ion: 173 Resp: 139012

Ion Ratio Lower Upper

173 100

175 49.7 38.8 58.2

254 6.5 5.3 7.9



Abundance Ion 173.00 (172.70 to 173.70): VU034739.D (-2738) (-)

Ion 175.00 (174.70 to 175.70): VU034739.D (-2738) (-)

Ion 254.00 (253.70 to 254.70): VU034739.D (-2738) (-)

9.94

100000

80000

60000

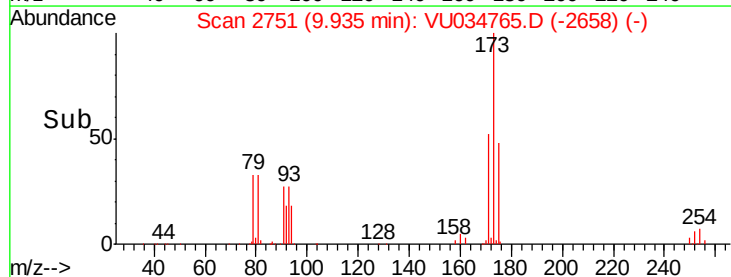
40000

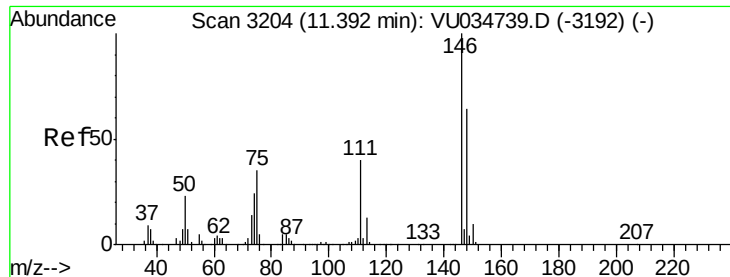
20000

0

Time-->

9.85 9.90 9.95 10.00





#62

1,3-Dichlorobenzene

Concen: 48.423 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

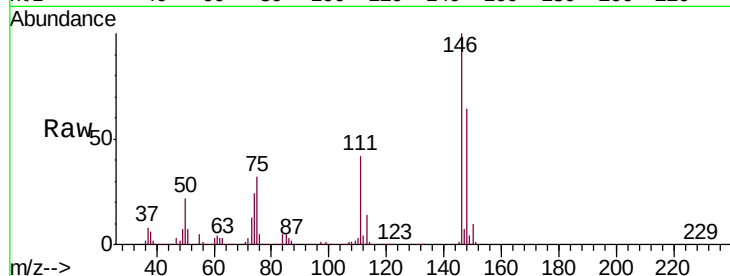
Tgt Ion:146 Resp: 372168

Ion Ratio Lower Upper

146 100

111 42.4 30.4 56.5

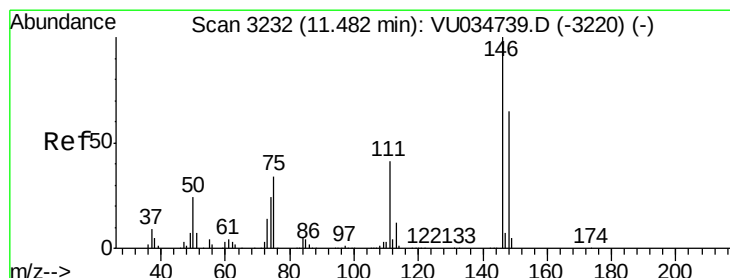
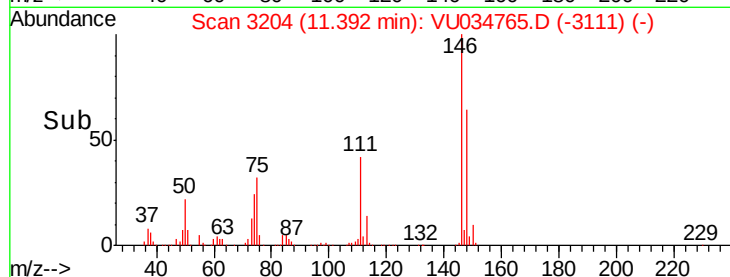
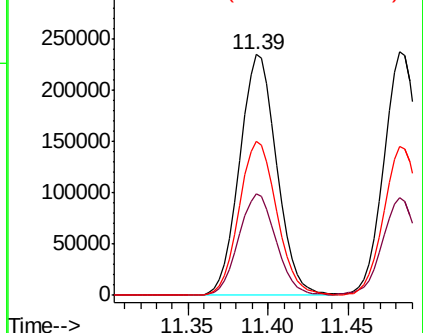
148 63.8 46.1 85.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.980 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

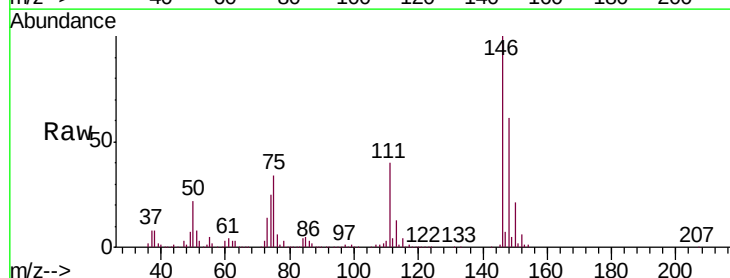
Tgt Ion:146 Resp: 375650

Ion Ratio Lower Upper

146 100

111 40.3 29.5 54.9

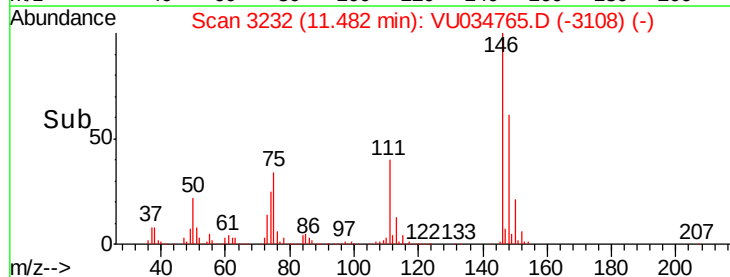
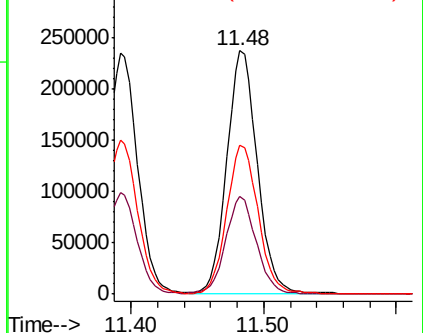
148 61.0 44.4 82.4

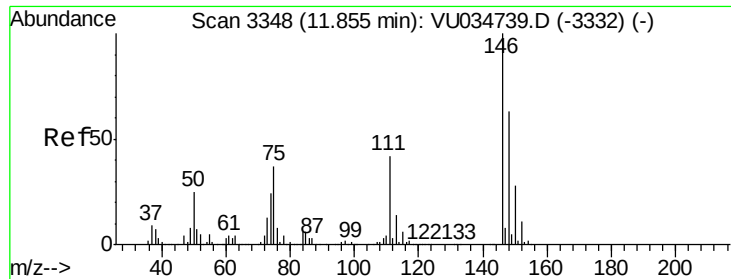


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.522 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

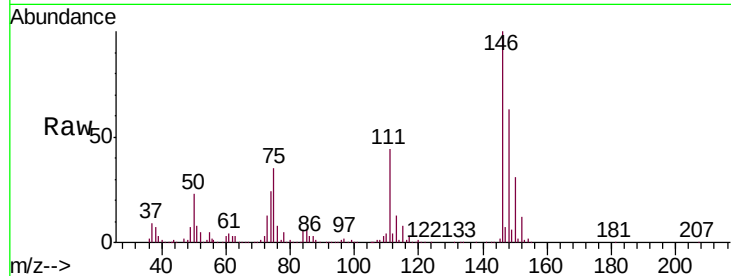
Tgt Ion:146 Resp: 369042

Ion Ratio Lower Upper

146 100

111 43.6 35.2 52.8

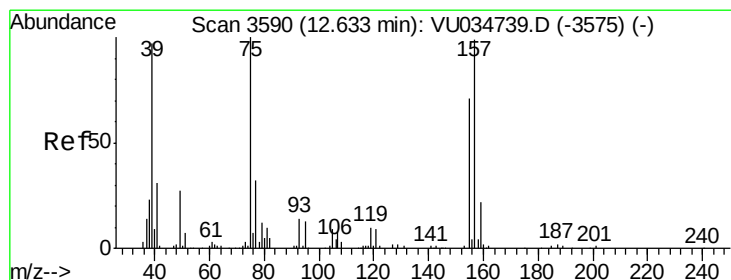
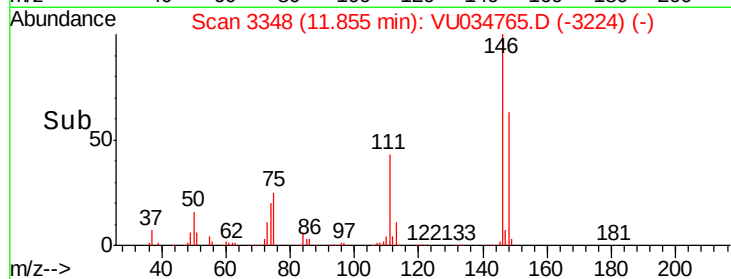
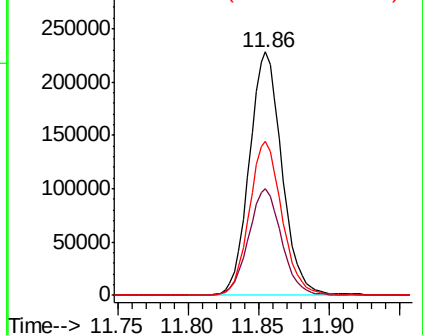
148 63.4 53.0 79.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 44.614 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

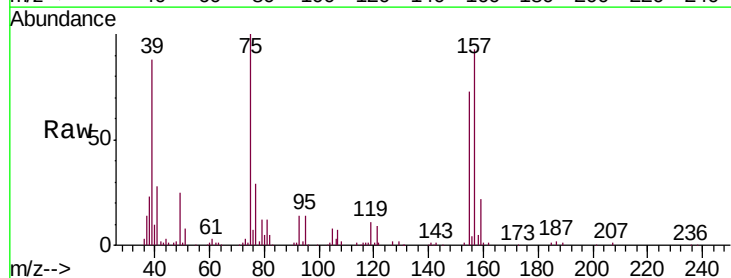
Tgt Ion: 75 Resp: 73642

Ion Ratio Lower Upper

75 100

155 72.6 54.7 82.1

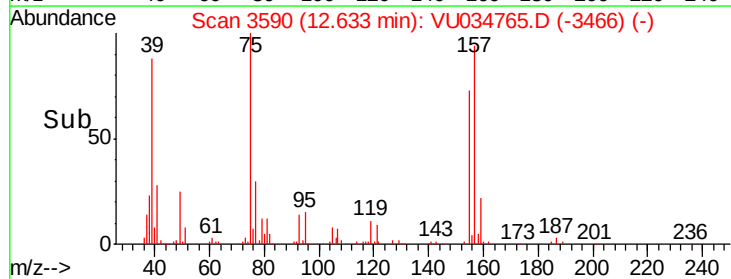
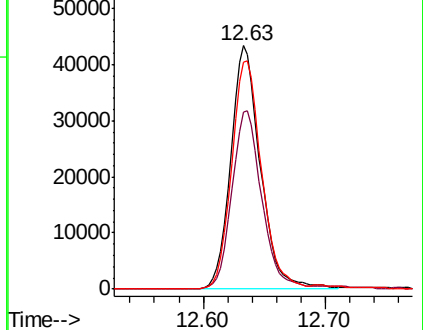
157 93.4 69.9 104.9

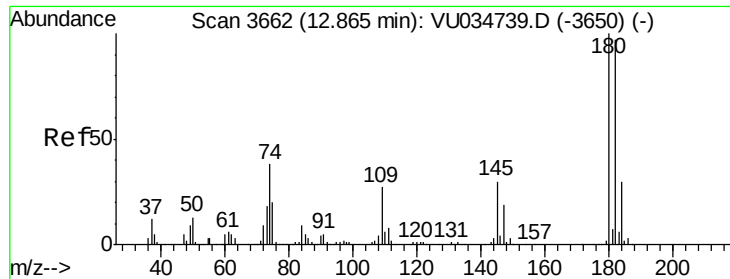


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

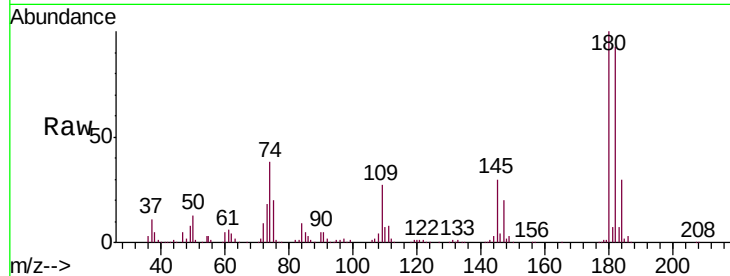




#67
 1,3,5-Trichlorobenzene
 Concen: 48.942 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	79.2	118.8
184	29.2	24.6	36.8
145	28.9	24.9	37.3



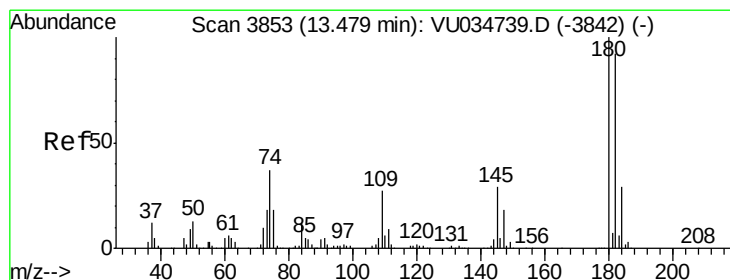
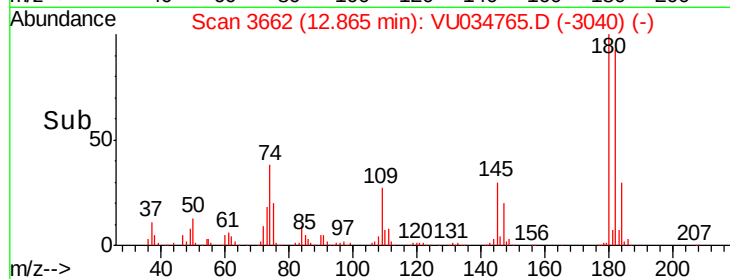
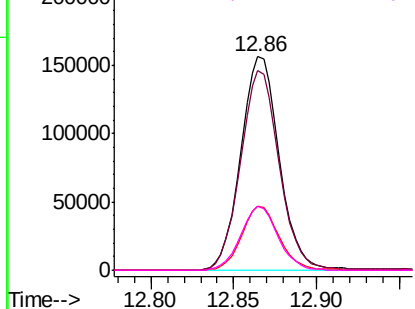
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

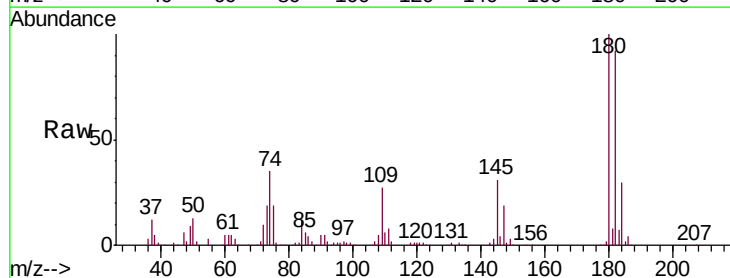
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.009 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034765.D
 Acq: 24 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.7	113.5
145	30.6	25.2	37.8

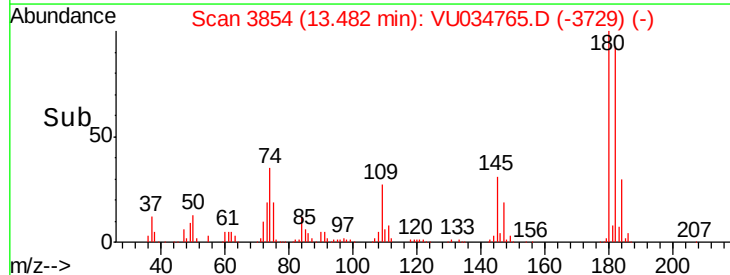
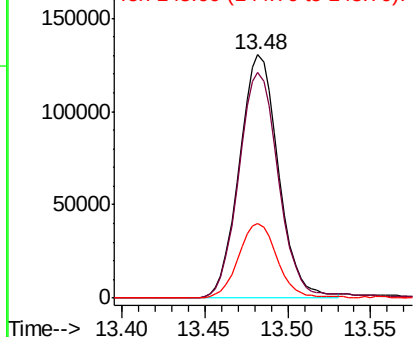


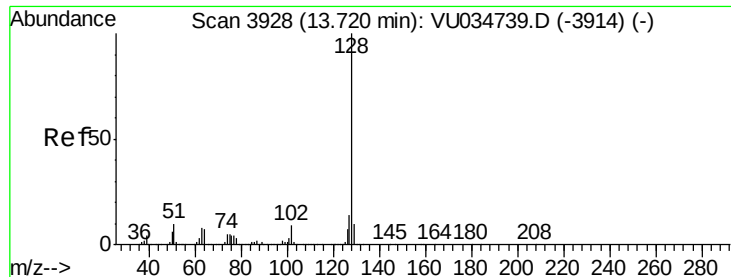
Abundance

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: 53.888 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

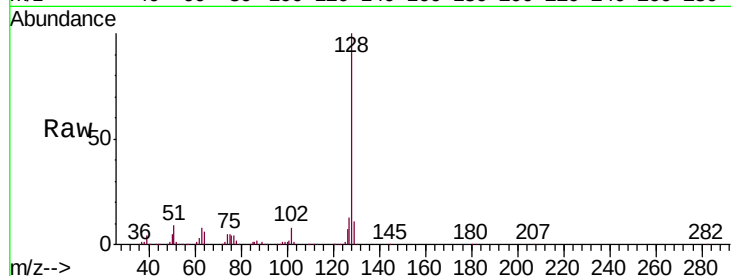
Tgt Ion:128 Resp: 755452

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

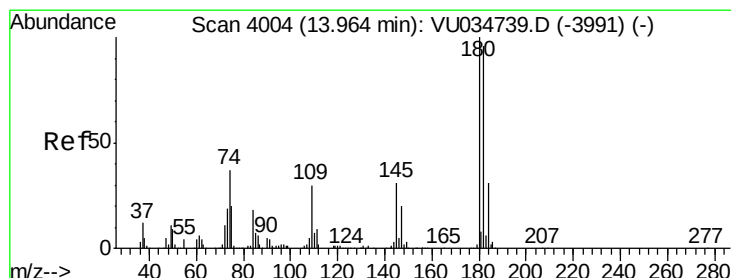
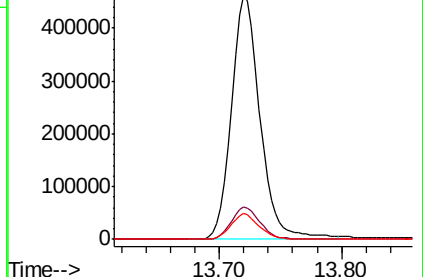
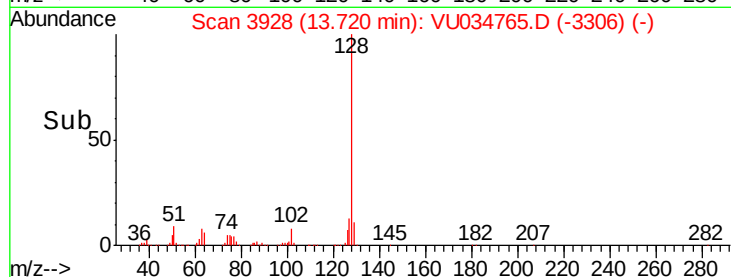
129 10.4 8.6 12.8



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: 50.648 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. 0.00 min

Lab File: VU034765.D

Acq: 24 Sep 2019 12:09

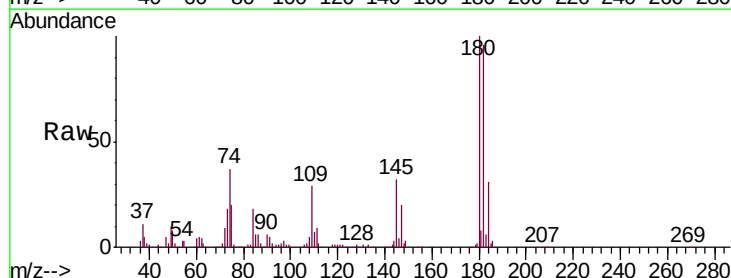
Tgt Ion:180 Resp: 211041

Ion Ratio Lower Upper

180 100

182 94.1 79.2 118.8

145 32.1 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

