

Data File : VU034924.D
Acq On : 03 Oct 2019 19:40
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Quant Time: Oct 04 06:45:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 06:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	433270	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	420346	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	202142	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	151202	43.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.84%
7) Chloroethane-d5	1.67	69	123004	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.72%
11) 1,1-Dichloroethene-d2	2.26	63	285555	46.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.82%
21) 2-Butanone-d5	4.15	46	254224	99.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.10%
24) Chloroform-d	4.62	84	280333	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	5.29	65	182630	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
32) Benzene-d6	5.32	84	566190	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.31	67	185853	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.26%
41) Toluene-d8	7.54	98	533053	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%
43) trans-1,3-Dichloropropene-	7.83	79	87170	49.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.76%
47) 2-Hexanone-d5	8.29	63	182821	98.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.81%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	271618	49.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.02%
64) 1,2-Dichlorobenzene-d4	11.84	152	198828	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	180146	48.689	ug/L	100
3) Chloromethane	1.33	50	180351	43.709	ug/L	100
5) Vinyl chloride	1.40	62	188505	48.329	ug/L	99
6) Bromomethane	1.62	94	75931	33.450	ug/L	99
8) Chloroethane	1.69	64	112112	49.035	ug/L	97
9) Trichlorofluoromethane	1.87	101	226761	49.337	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	129779	50.040	ug/L	99
12) 1,1-Dichloroethene	2.27	96	127316	51.135	ug/L	98
13) Acetone	2.31	43	193858	79.820	ug/L	100
14) Carbon disulfide	2.46	76	402088	48.919	ug/L	99
15) Methyl Acetate	2.60	43	184976	50.324	ug/L	99
16) Methylene chloride	2.69	84	156586	49.594	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	141030	50.632	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	472524	50.415	ug/L	100
19) 1,1-Dichloroethane	3.42	63	281818	50.015	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	160724	51.259	ug/L	99
22) 2-Butanone	4.24	43	269750	94.402	ug/L	97

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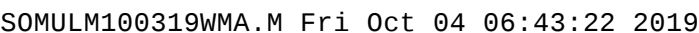
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

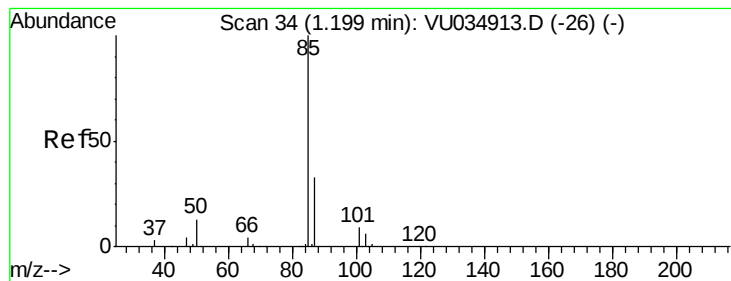
Quant Time: Oct 04 06:45:25 2019
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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	79162	50.552	ug/L	99
25) Chloroform	4.65	83	279725	48.806	ug/L	97
27) 1,2-Dichloroethane	5.38	62	230358	50.507	ug/L	100
29) Cyclohexane	4.97	56	252397	49.700	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	229006	50.250	ug/L	100
31) Carbon tetrachloride	5.11	117	200698	50.525	ug/L	98
33) Benzene	5.37	78	625062	50.911	ug/L	100
34) Trichloroethene	6.16	95	154963	50.088	ug/L	98
35) Methylcyclohexane	6.39	83	245552	48.892	ug/L	99
37) 1,2-Dichloropropane	6.41	63	171542	50.131	ug/L	100
38) Bromodichloromethane	6.73	83	207896	50.049	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	255448	49.271	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	531789	100.328	ug/L	100
42) Toluene	7.61	91	669378	50.724	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	230369	50.691	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	150286	49.948	ug/L	99
46) Tetrachloroethene	8.21	164	119581	48.724	ug/L	98
48) 2-Hexanone	8.34	43	408294	101.073	ug/L	97
49) Dibromochloromethane	8.45	129	165275	50.736	ug/L	97
50) 1,2-Dibromoethane	8.56	107	165457	51.160	ug/L	95
51) Chlorobenzene	9.10	112	420657	49.922	ug/L	99
52) Ethylbenzene	9.23	91	737238	50.323	ug/L	99
53) m,p-Xylene	9.35	106	272408	50.205	ug/L	100
54) o-xylene	9.76	106	272832	51.129	ug/L	97
55) Styrene	9.77	104	463036	51.738	ug/L	99
56) Isopropylbenzene	10.14	105	711402	50.645	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	277406	50.528	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	221700	50.115	ug/L	100
61) Bromoform	9.94	173	121679	49.623	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	319311	50.747	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	308539	49.058	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	318544	50.452	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	55373	50.282	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	218902	51.861	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	176130	54.894	ug/L	100
69) Naphthalene	13.72	128	518659	53.287	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	180966	53.457	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 48.689 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034924.D

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Instrument :

MSVOA_U

ClientSampleId :

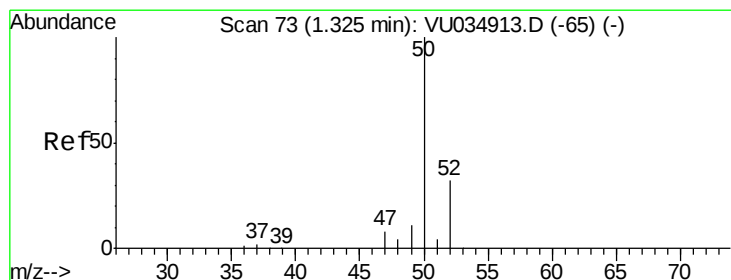
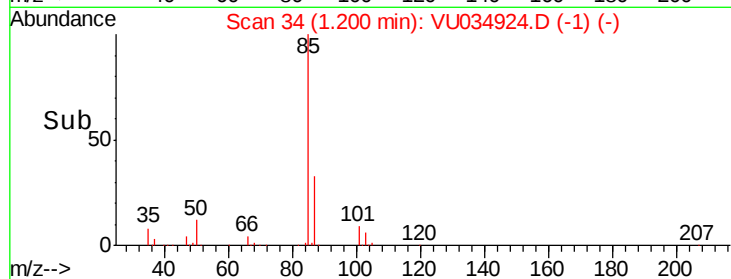
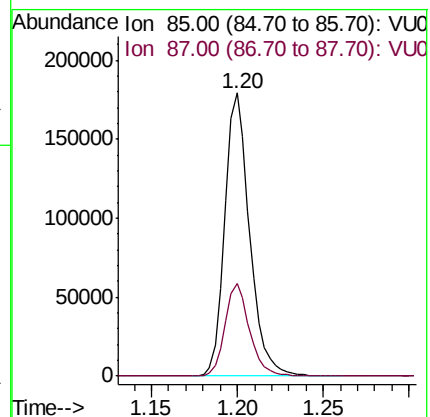
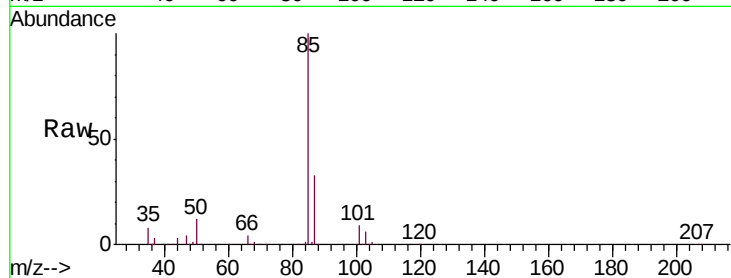
VSTD05052

Tgt Ion: 85 Resp: 180146

Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



#3

Chloromethane

Concen: 43.709 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034924.D

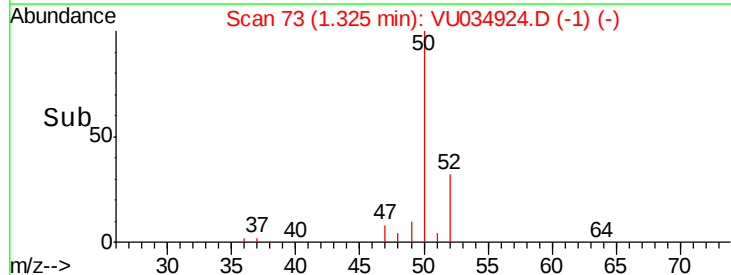
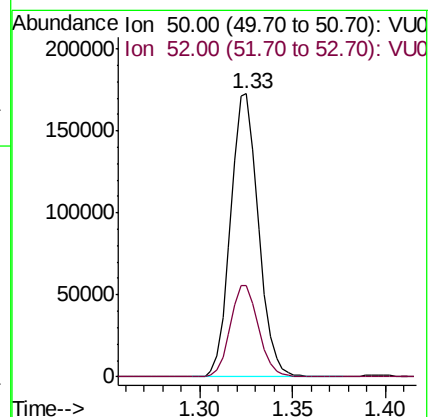
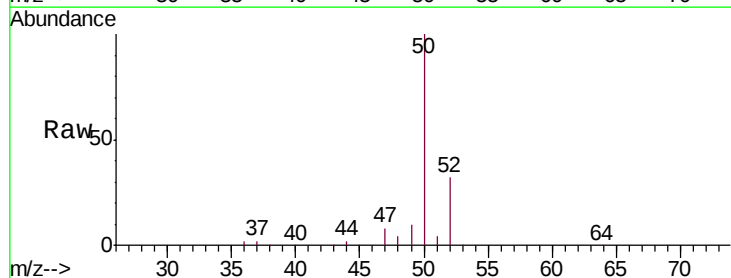
Acq: 03 Oct 2019 19:40

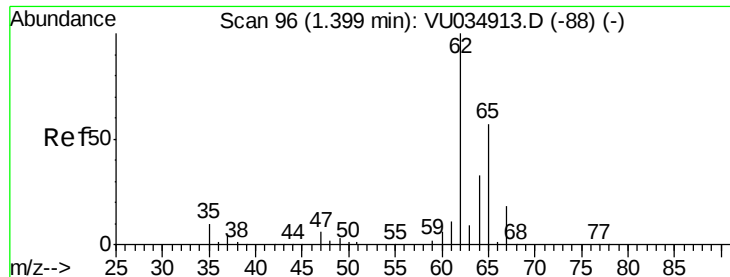
Tgt Ion: 50 Resp: 180351

Ion Ratio Lower Upper

50 100

52 32.3 22.7 42.3





#5

Vinyl chloride

Concen: 48.329 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

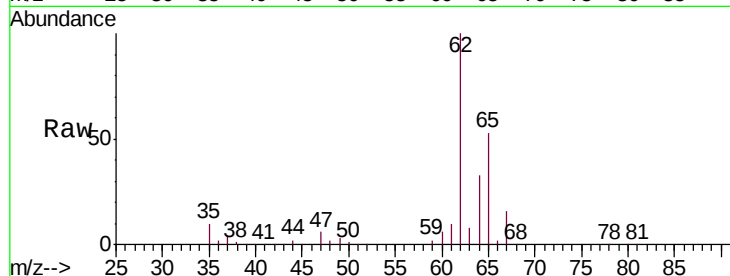
VSTD05052

Tgt Ion: 62 Resp: 188505

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU034913.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034913.D (-88) (-)

1.40

200000

150000

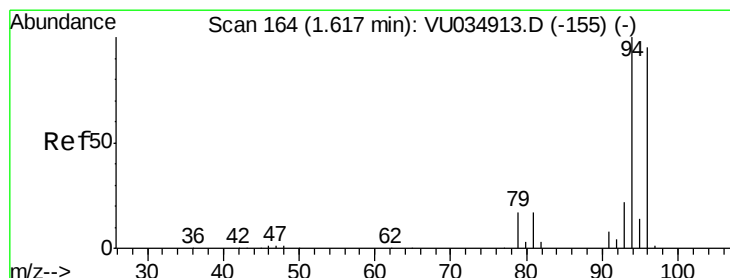
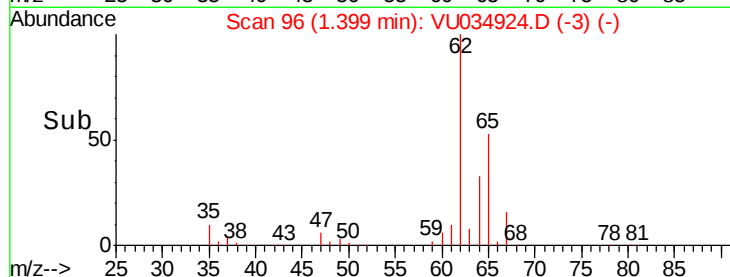
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 33.450 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU034924.D

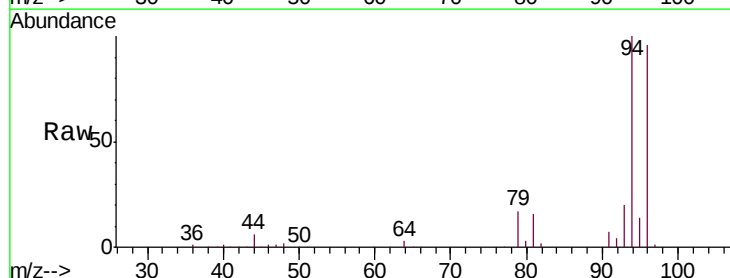
Acq: 03 Oct 2019 19:40

Tgt Ion: 94 Resp: 75931

Ion Ratio Lower Upper

94 100

96 95.6 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VU034913.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034913.D (-155) (-)

1.62

60000

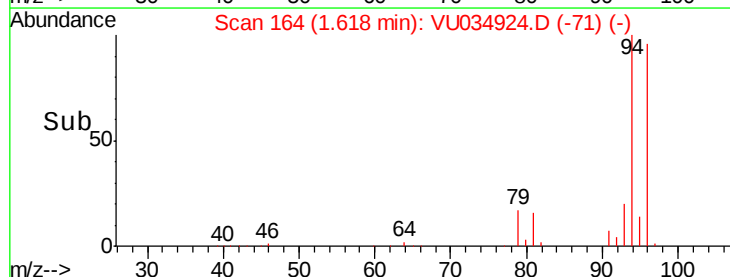
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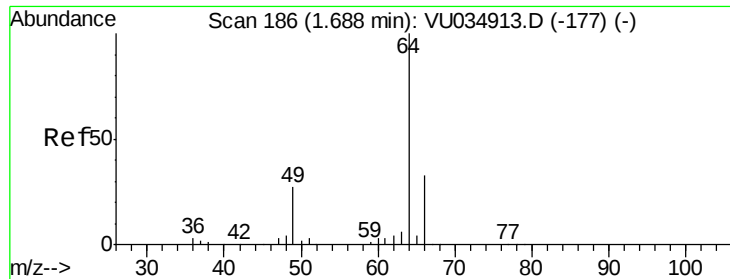
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 49.035 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

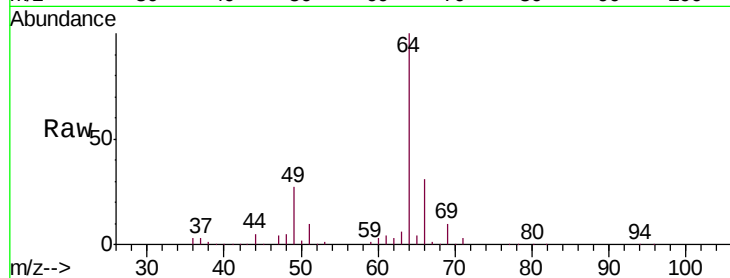
VSTD05052

Tgt Ion: 64 Resp: 112112

Ion Ratio Lower Upper

64 100

66 30.8 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU034913.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU034913.D (-177) (-)

1.69

100000

80000

60000

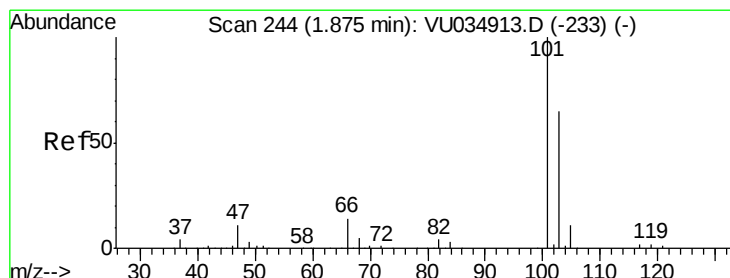
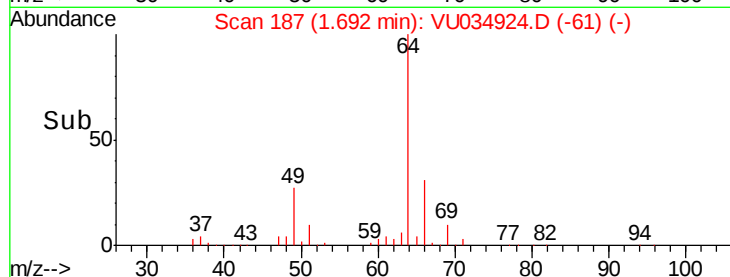
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 49.337 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034924.D

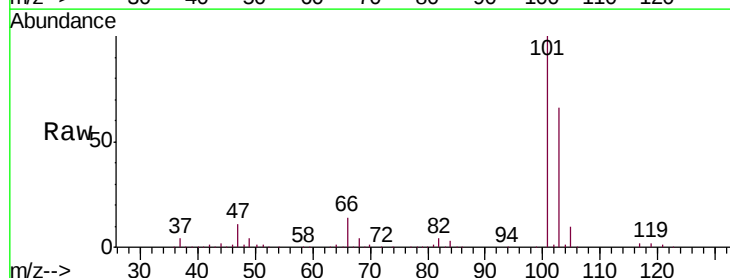
Acq: 03 Oct 2019 19:40

Tgt Ion: 101 Resp: 226761

Ion Ratio Lower Upper

101 100

103 64.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU034913.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034913.D (-233) (-)

1.87

150000

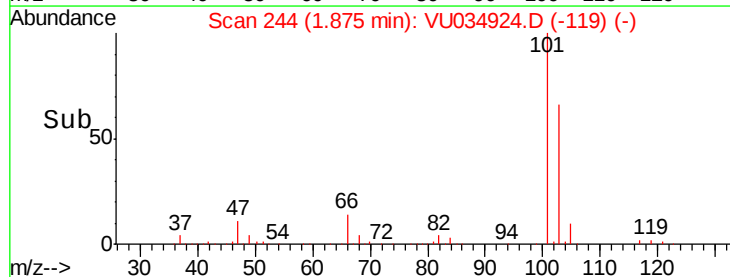
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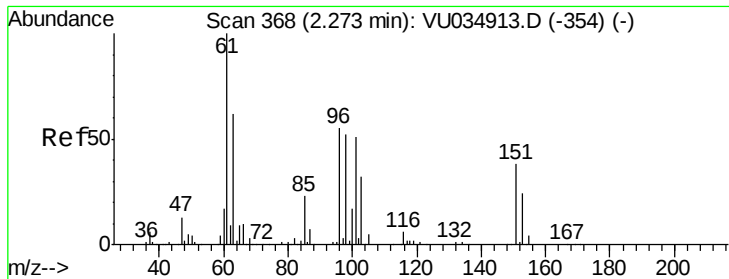
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 50.040 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

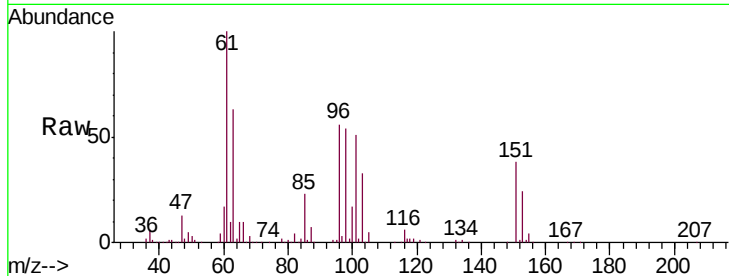
Tgt Ion: 101 Resp: 129779

Ion Ratio Lower Upper

101 100

85 45.3 35.9 53.9

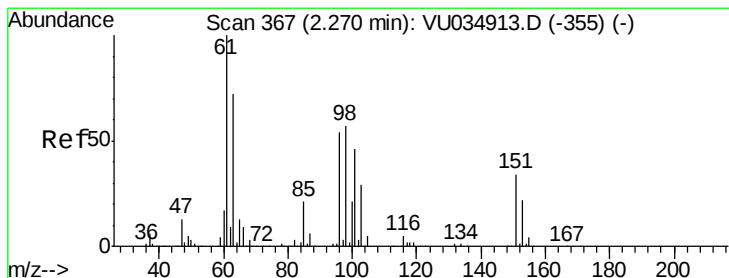
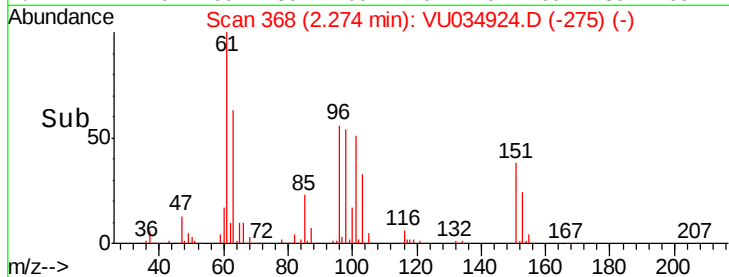
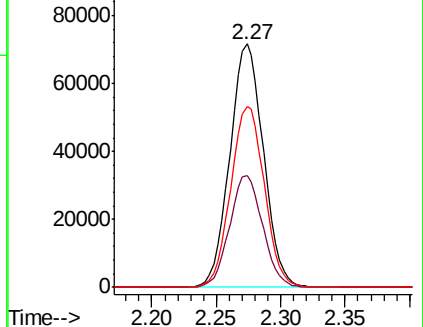
151 74.4 59.0 88.4



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: 51.135 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

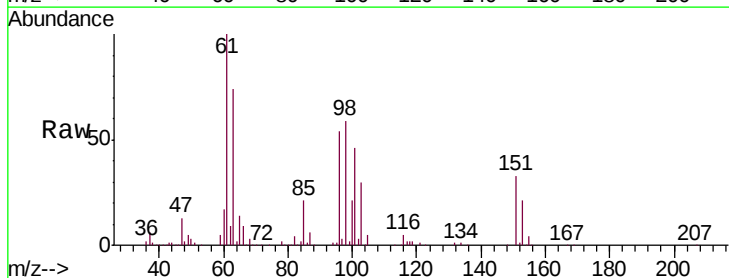
Tgt Ion: 96 Resp: 127316

Ion Ratio Lower Upper

96 100

61 184.1 131.2 243.6

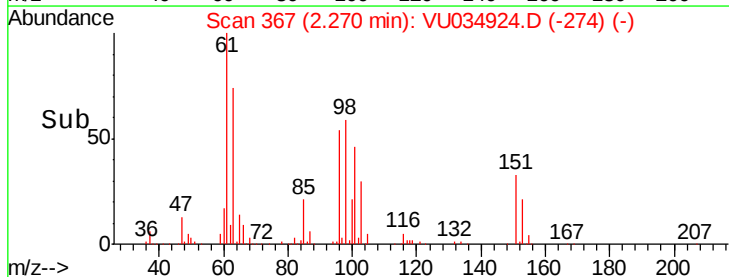
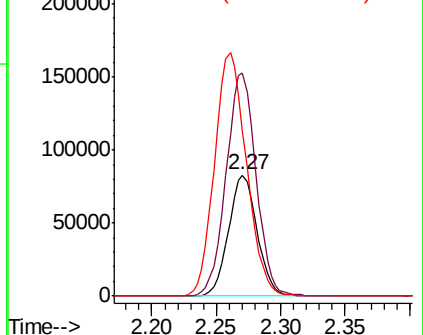
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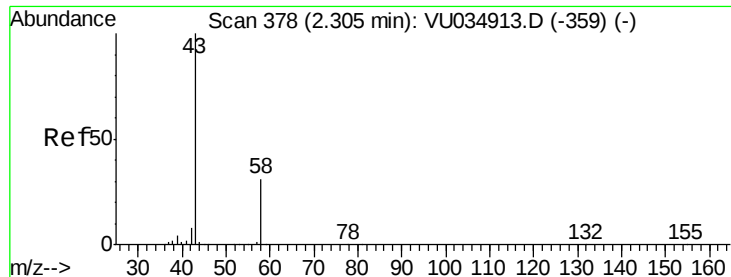


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 79.820 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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ClientSampleId :

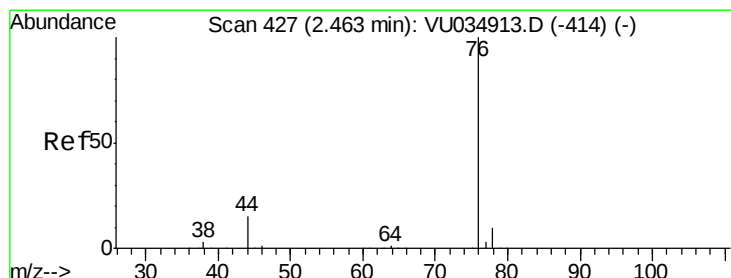
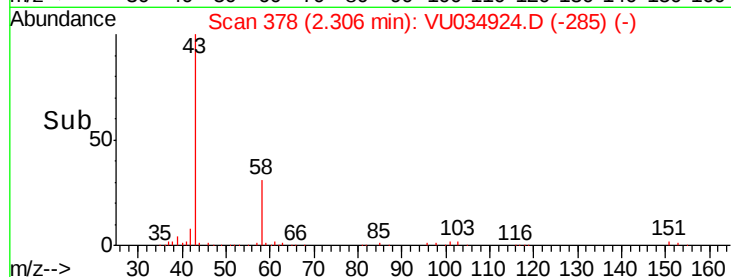
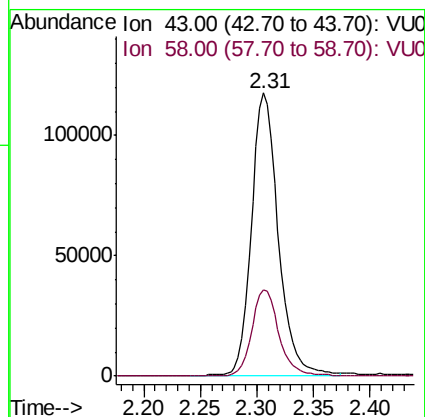
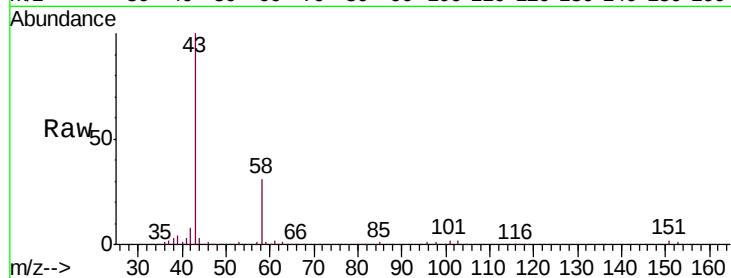
VSTD05052

Tgt Ion: 43 Resp: 193858

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.4



#14

Carbon disulfide

Concen: 48.919 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034924.D

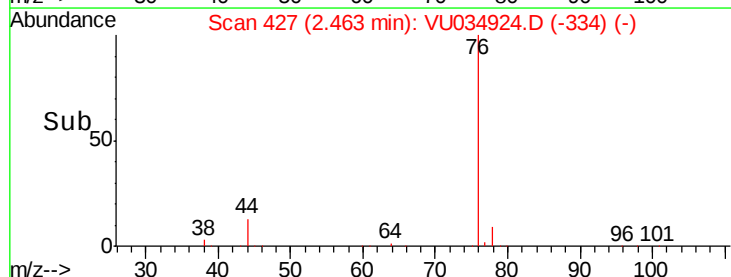
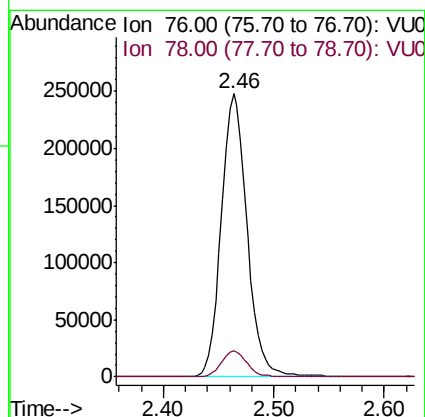
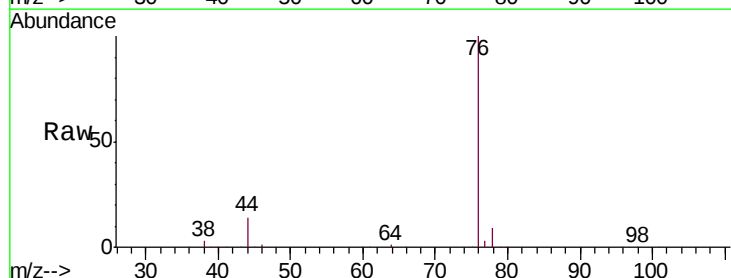
Acq: 03 Oct 2019 19:40

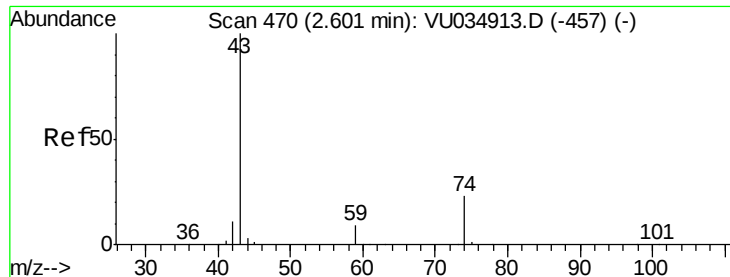
Tgt Ion: 76 Resp: 402088

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

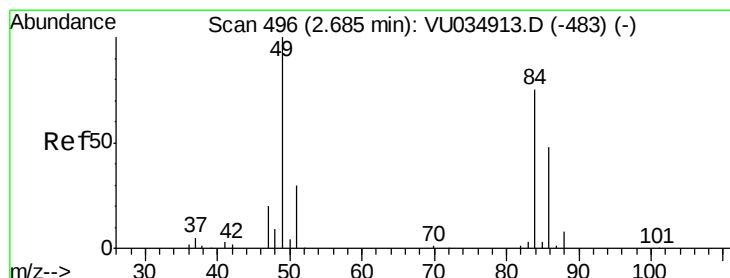
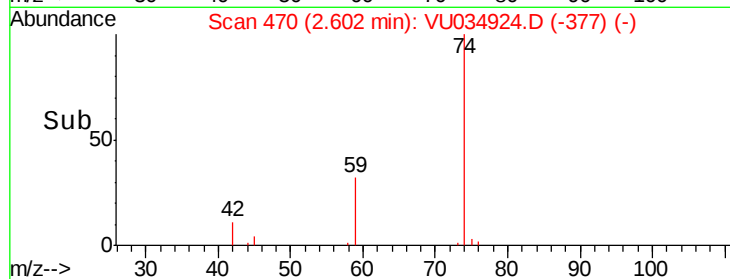
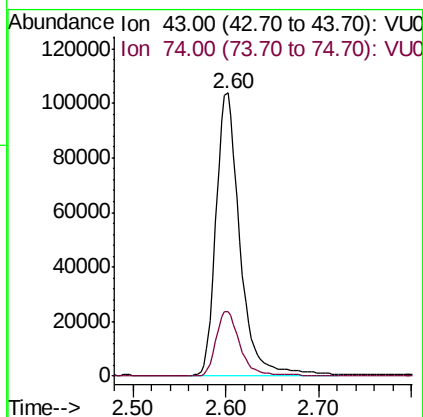
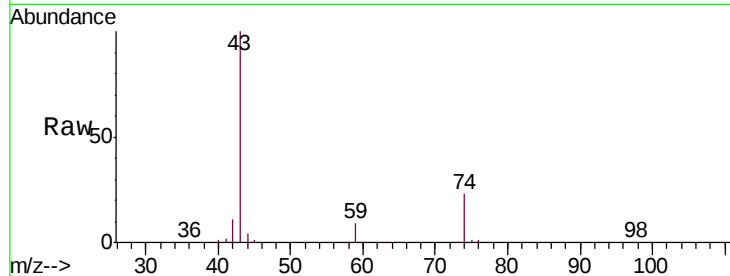




#15
Methyl Acetate
Concen: 50.324 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

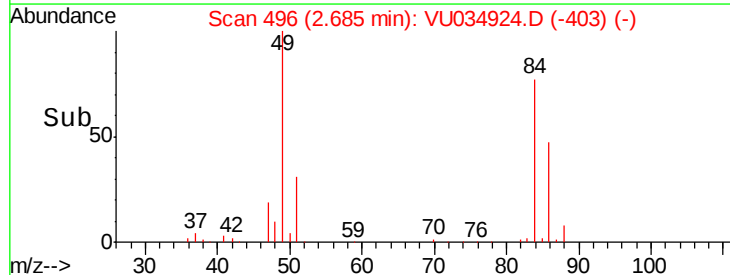
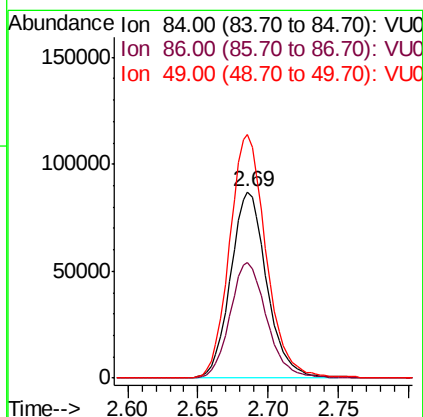
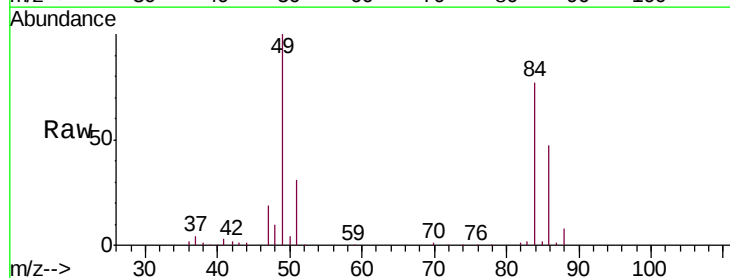
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

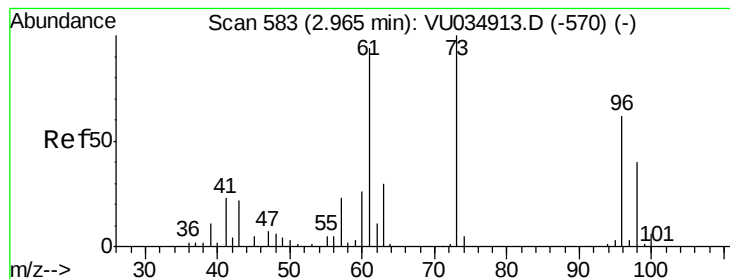
Tgt Ion: 43 Resp: 184976
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.6



#16
Methylene chloride
Concen: 49.594 ug/L
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

Tgt Ion: 84 Resp: 156586
Ion Ratio Lower Upper
84 100
86 61.7 44.9 83.5
49 130.7 93.2 173.2





#17

trans-1,2-Dichloroethene

Concen: 50.632 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

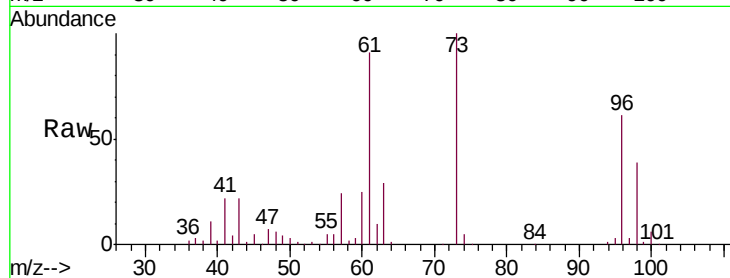
Tgt Ion: 96 Resp: 141030

Ion Ratio Lower Upper

96 100

61 150.5 107.0 198.6

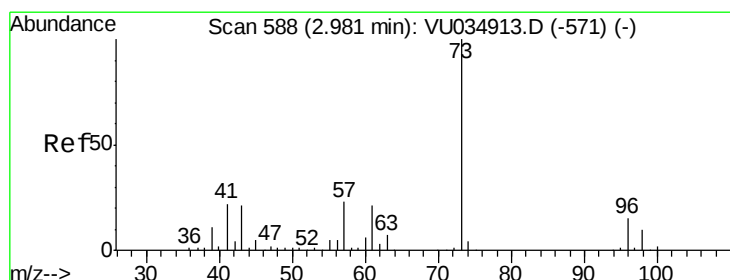
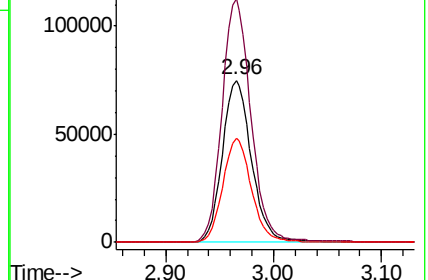
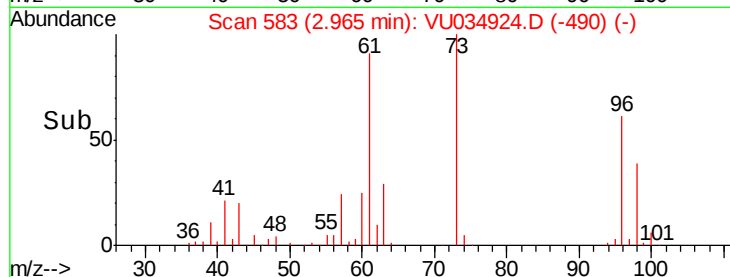
98 64.7 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU034924.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034924.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034924.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 50.415 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

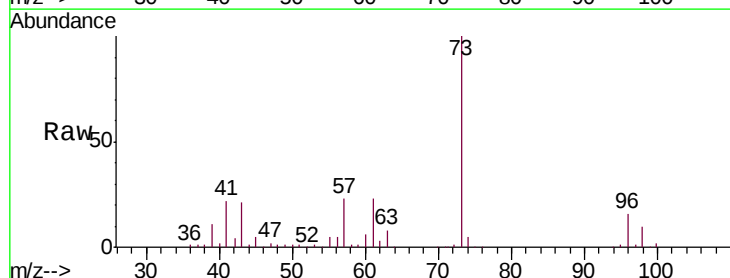
Tgt Ion: 73 Resp: 472524

Ion Ratio Lower Upper

73 100

43 20.9 16.8 25.2

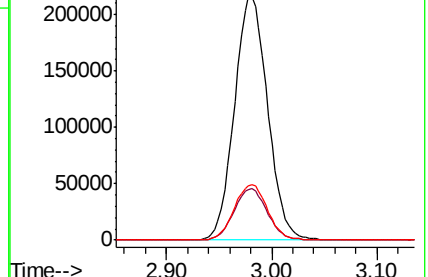
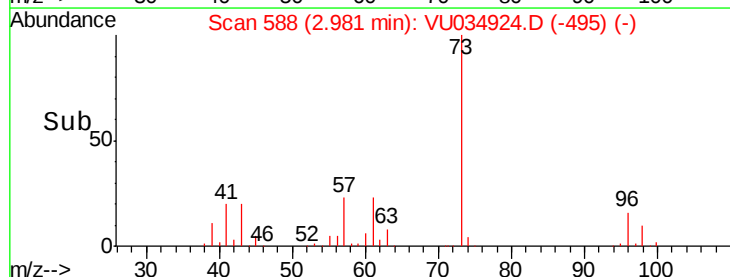
57 22.9 18.2 27.2

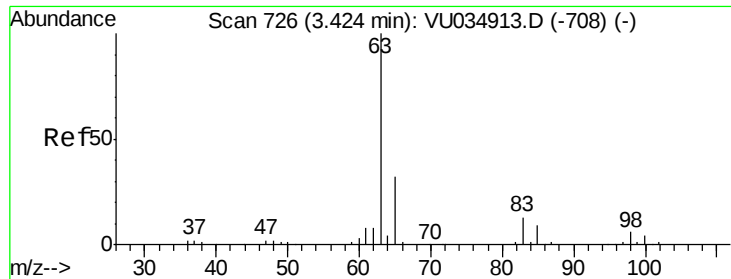


Abundance Ion 73.00 (72.70 to 73.70): VU034924.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034924.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034924.D (-495) (-)

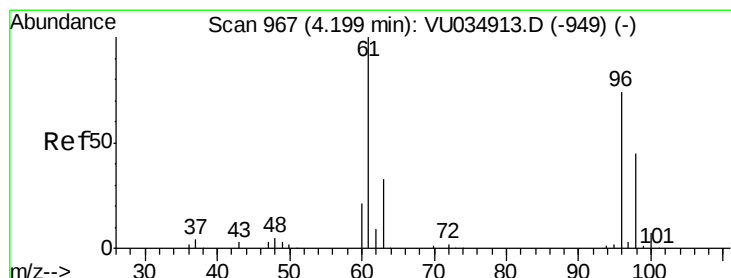
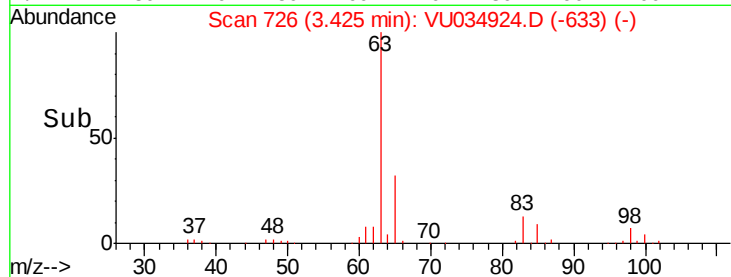
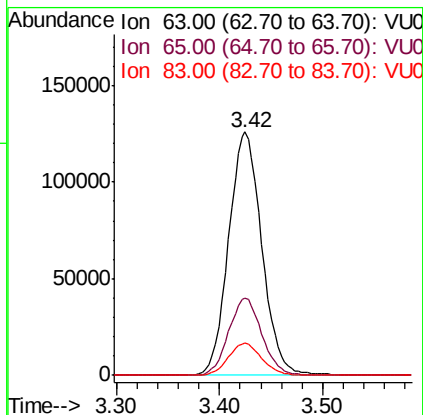
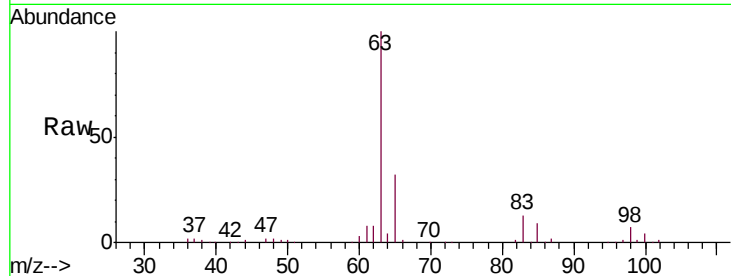




#19
 1,1-Dichloroethane
 Concen: 50.015 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034924.D
 Acq: 03 Oct 2019 19:40

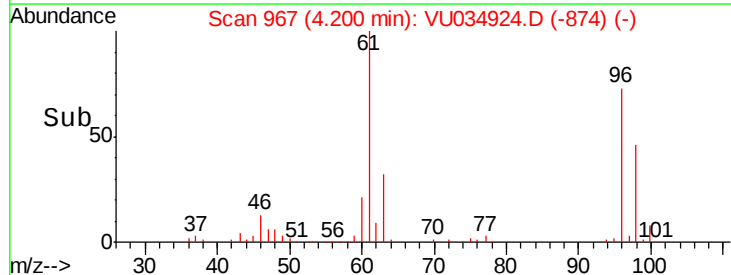
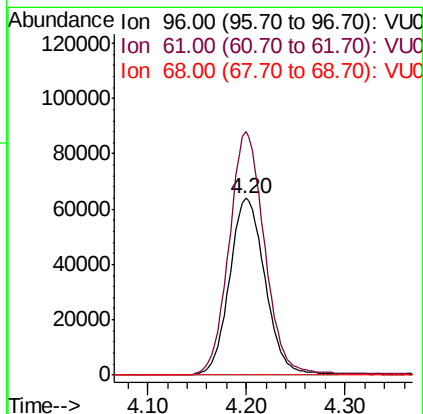
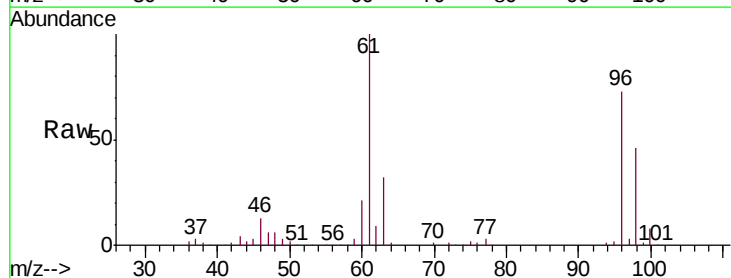
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

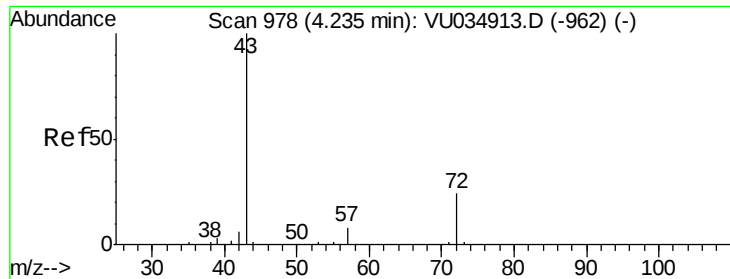
Tgt Ion: 63 Resp: 281818
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.4 41.6
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 51.259 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034924.D
 Acq: 03 Oct 2019 19:40

Tgt Ion: 96 Resp: 160724
 Ion Ratio Lower Upper
 96 100
 61 137.8 95.2 176.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.402 ug/L

RT: 4.24 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

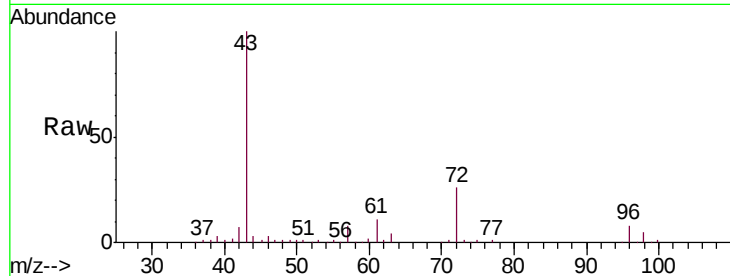
VSTD05052

Tgt Ion: 43 Resp: 269750

Ion Ratio Lower Upper

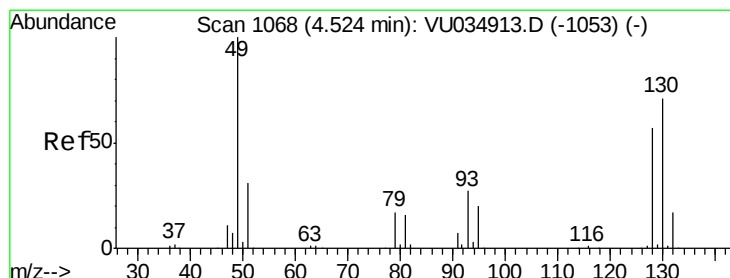
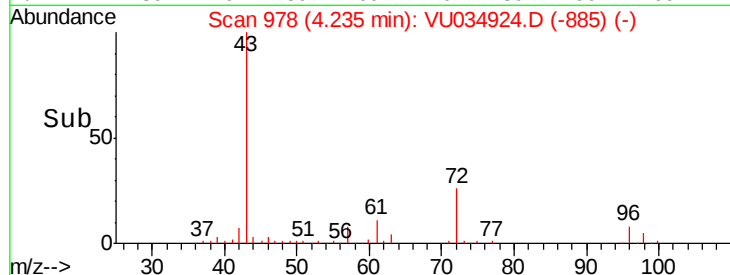
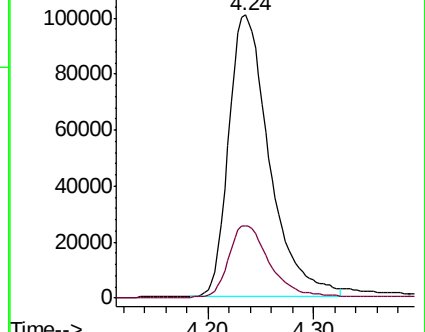
43 100

72 26.1 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034924.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034924.D (-885) (-)



#23

Bromochloromethane

Concen: 50.552 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Tgt Ion: 128 Resp: 79162

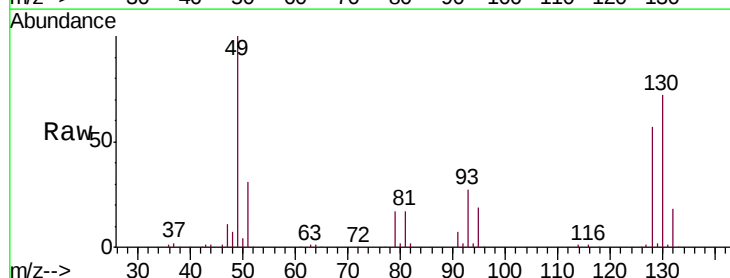
Ion Ratio Lower Upper

128 100

49 176.1 123.5 229.3

130 126.8 87.0 161.6

51 53.8 43.7 65.5

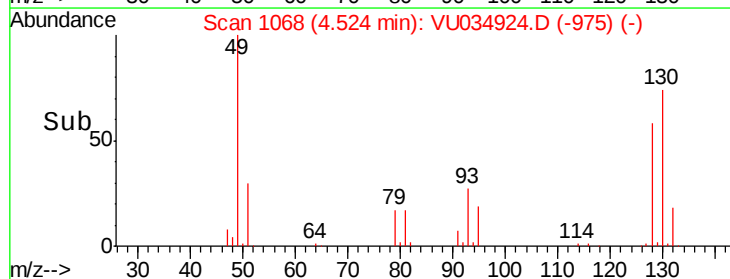
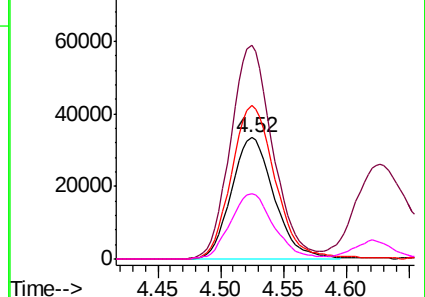


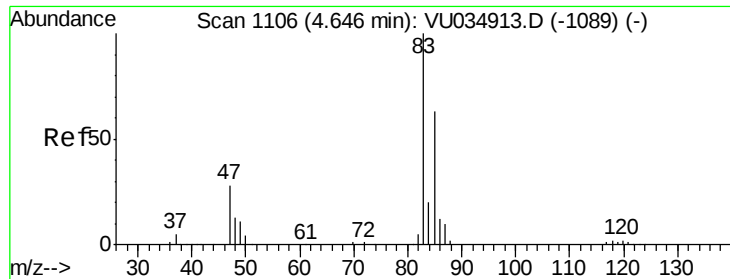
Abundance Ion 128.00 (127.70 to 128.70): VU034924.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VU034924.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VU034924.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VU034924.D (-975) (-)

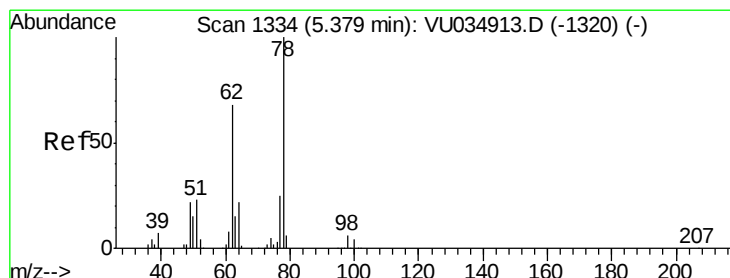
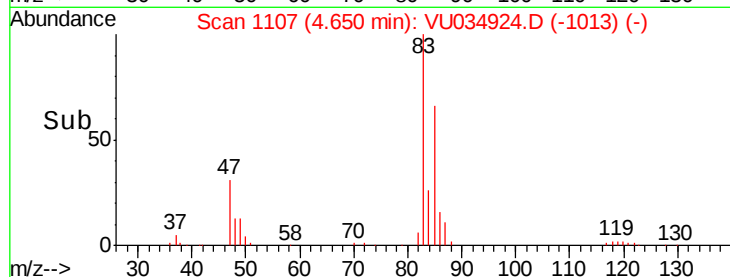
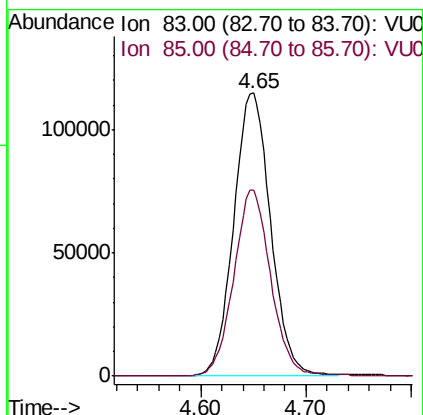
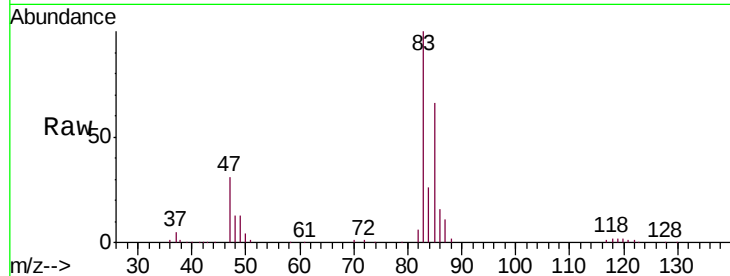




#25
Chloroform
Concen: 48.806 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

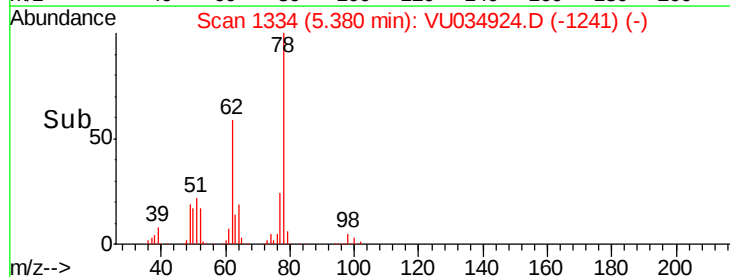
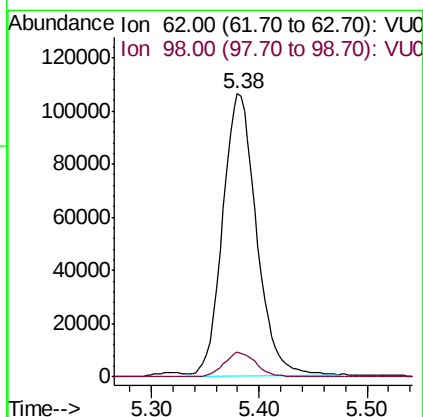
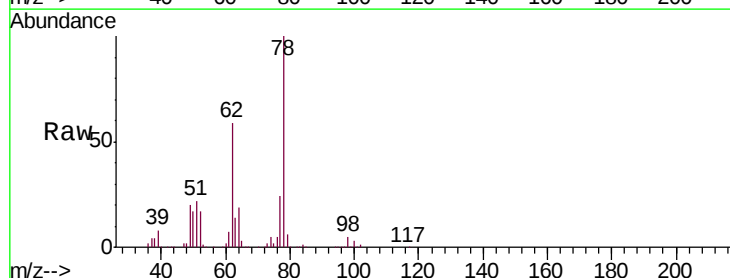
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

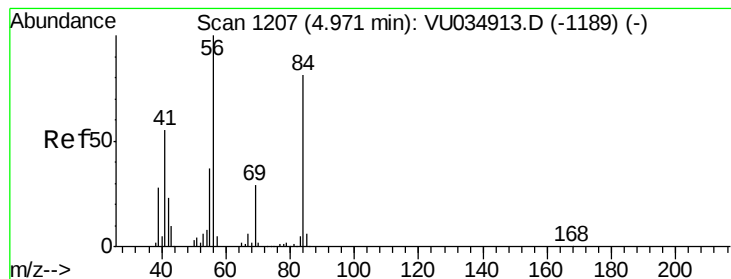
Tgt Ion: 83 Resp: 279725
Ion Ratio Lower Upper
83 100
85 65.8 44.2 82.2



#27
1,2-Dichloroethane
Concen: 50.507 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

Tgt Ion: 62 Resp: 230358
Ion Ratio Lower Upper
62 100
98 8.7 6.9 10.3





#29

Cyclohexane

Concen: 49.700 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

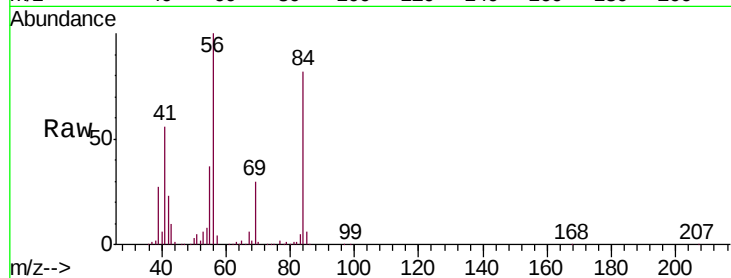
Tgt Ion: 56 Resp: 252397

Ion Ratio Lower Upper

56 100

69 29.2 23.8 35.6

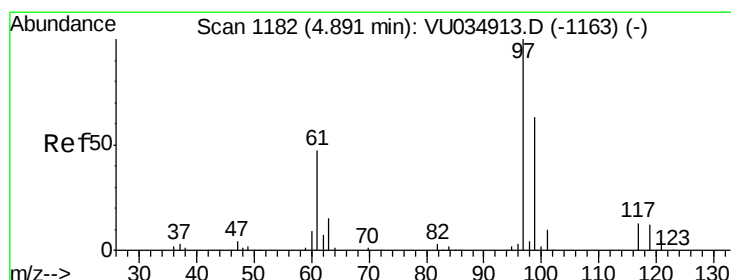
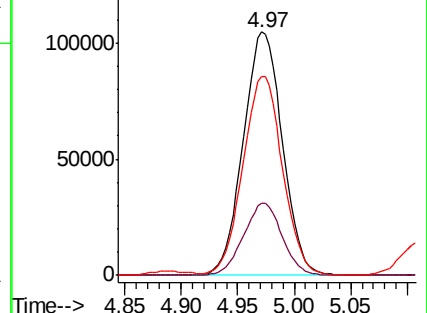
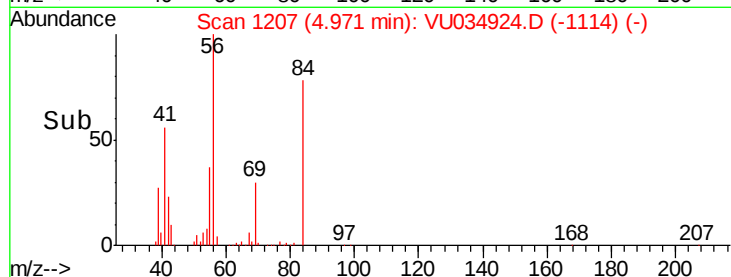
84 81.9 65.4 98.2



Abundance Ion 56.00 (55.70 to 56.70): VU034924.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VU034924.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VU034924.D (-1114) (-)



#30

1,1,1-Trichloroethane

Concen: 50.250 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

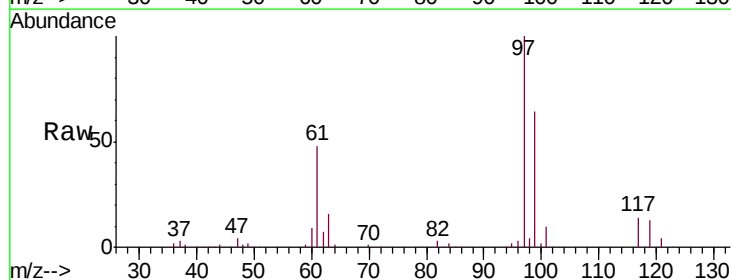
Tgt Ion: 97 Resp: 229006

Ion Ratio Lower Upper

97 100

99 63.6 51.1 76.7

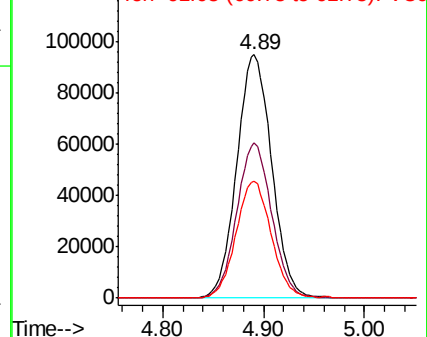
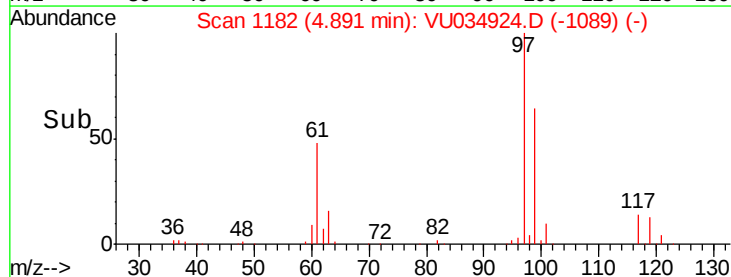
61 48.1 38.7 58.1

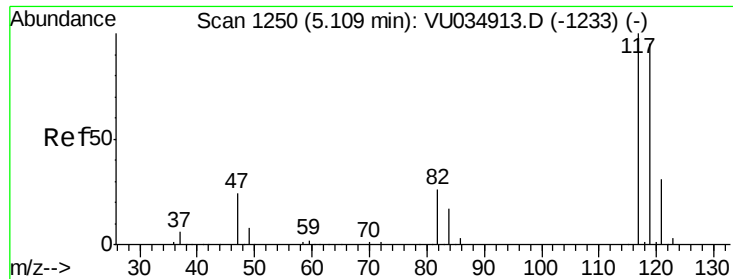


Abundance Ion 97.00 (96.70 to 97.70): VU034924.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VU034924.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VU034924.D (-1089) (-)

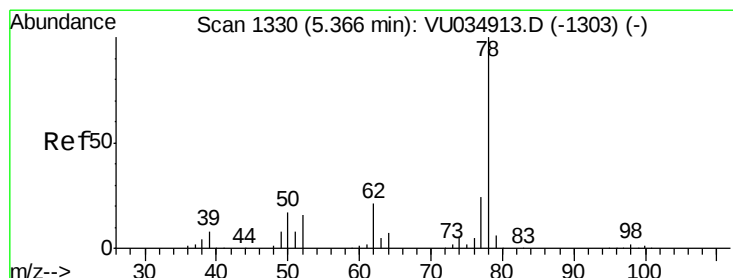
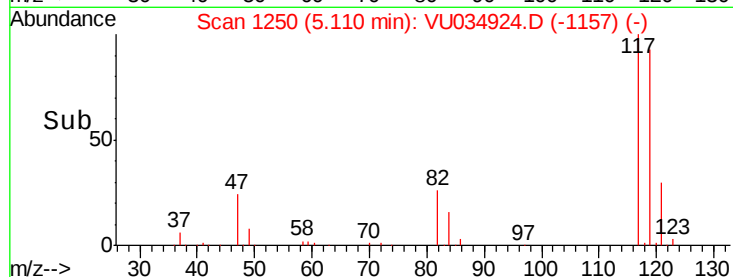
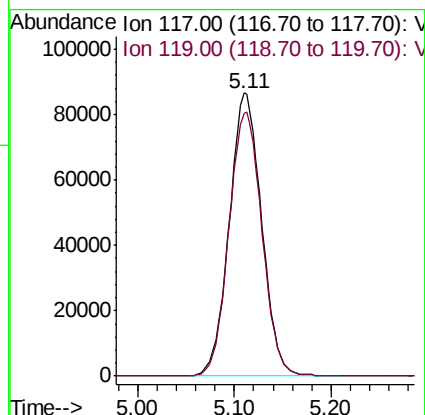
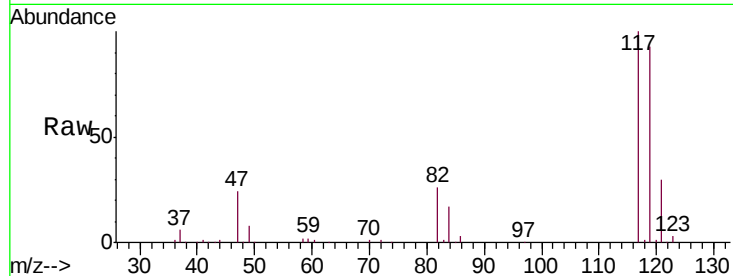




#31
Carbon tetrachloride
Concen: 50.525 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

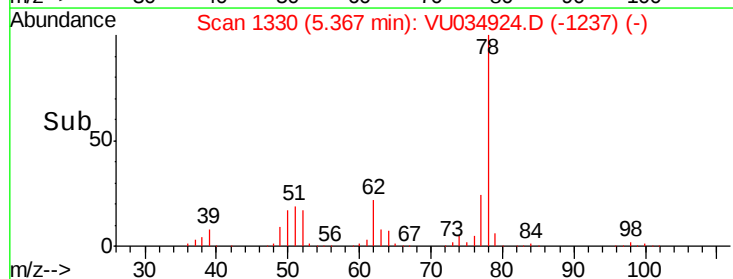
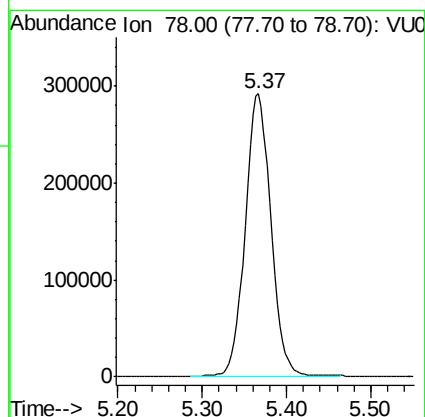
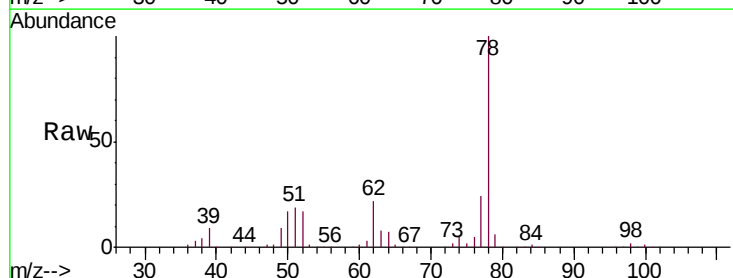
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

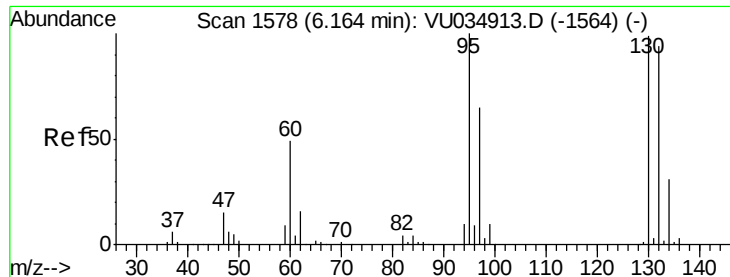
Tgt Ion:117 Resp: 200698
Ion Ratio Lower Upper
117 100
119 95.3 77.5 116.3



#33
Benzene
Concen: 50.911 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

Tgt Ion: 78 Resp: 625062





#34

Trichloroethene

Concen: 50.088 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 95 Resp: 154963

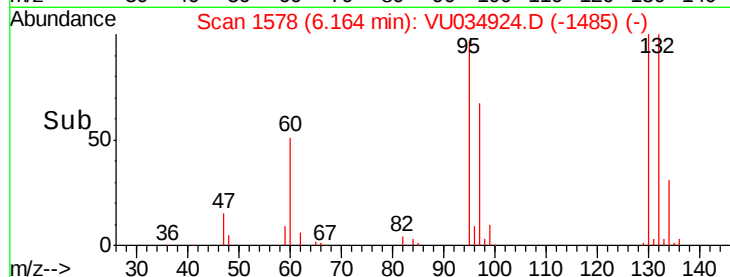
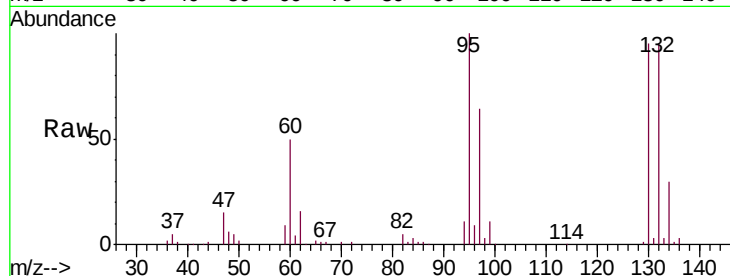
Ion Ratio Lower Upper

95 100

97 63.9 45.1 83.9

132 95.0 65.9 122.5

130 95.4 69.0 128.2



Abundance Ion 95.00 (94.70 to 95.70): VU034924.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU034924.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU034924.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU034924.D (-1485) (-)

Time-->

6.10 6.15 6.20 6.25

80000

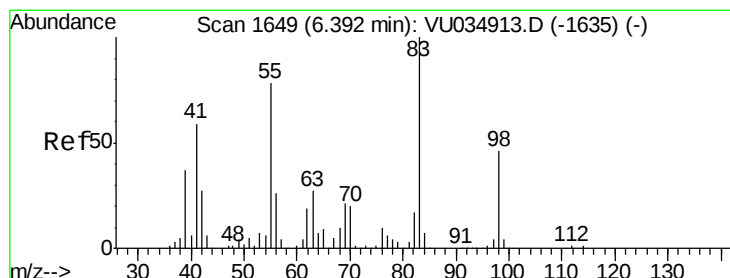
60000

40000

20000

0

6.16



#35

Methylcyclohexane

Concen: 48.892 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

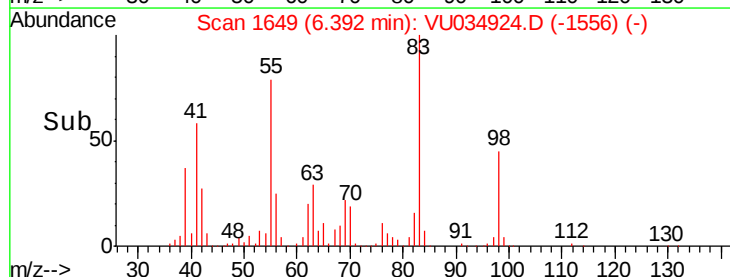
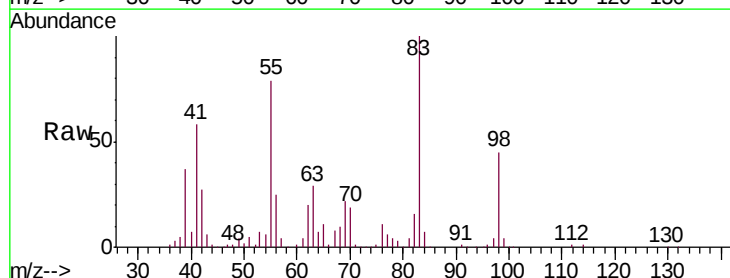
Tgt Ion: 83 Resp: 245552

Ion Ratio Lower Upper

83 100

55 78.4 62.1 93.1

98 45.7 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VU034924.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VU034924.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VU034924.D (-1556) (-)

Time-->

6.30 6.35 6.40 6.45 6.50

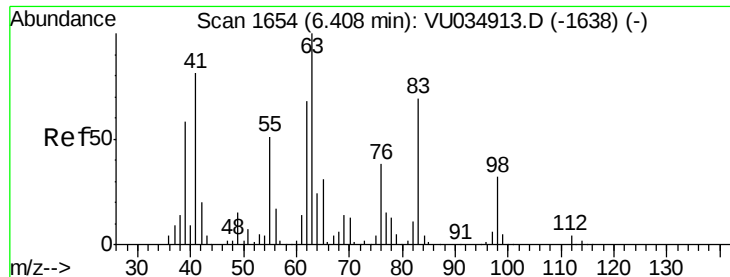
150000

100000

50000

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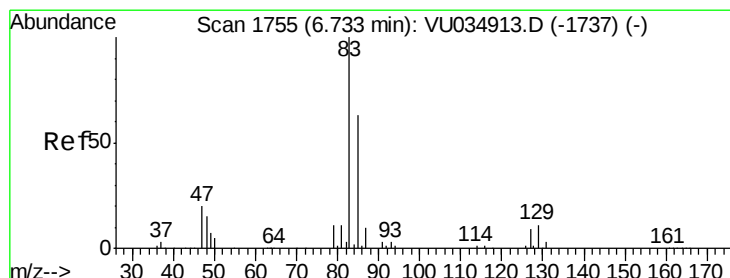
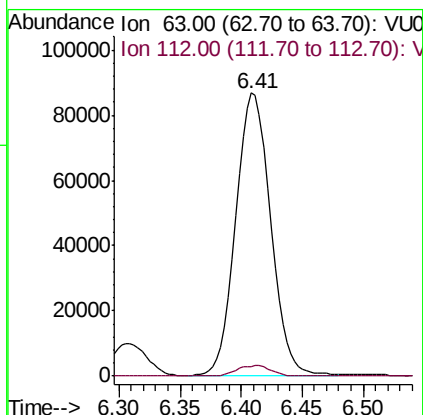
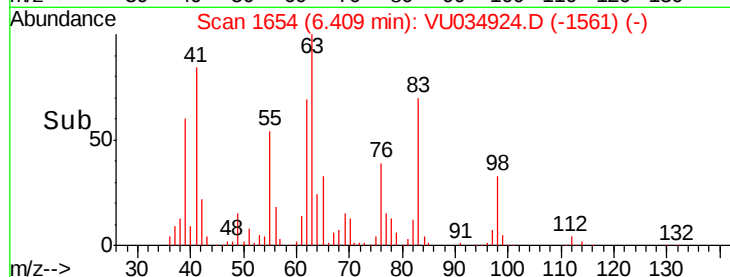
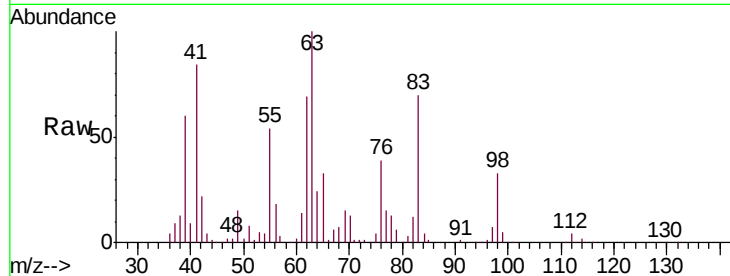
6.39



#37
 1,2-Dichloropropane
 Concen: 50.131 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034924.D
 Acq: 03 Oct 2019 19:40

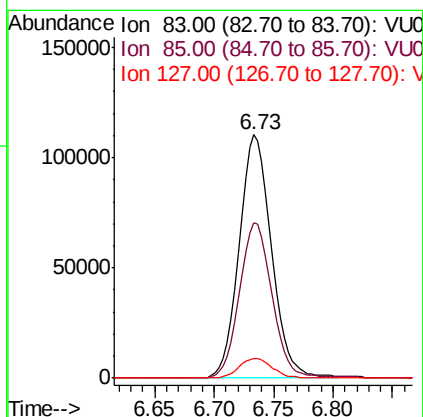
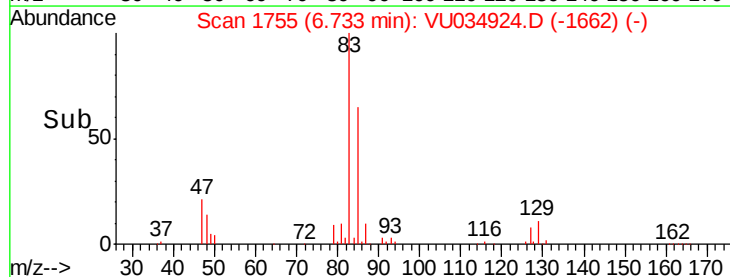
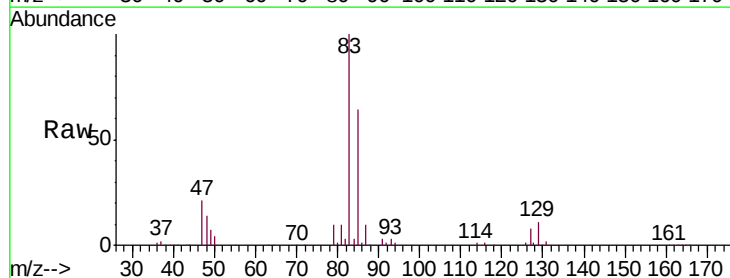
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

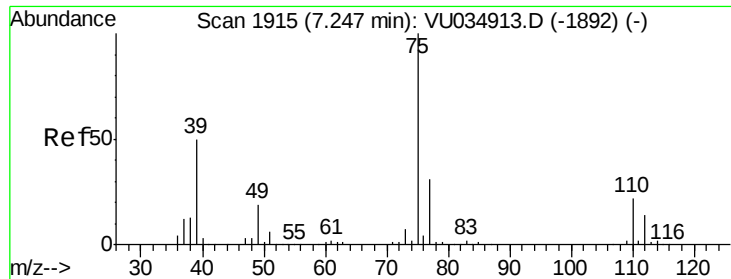
Tgt Ion: 63 Resp: 171542
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 50.049 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034924.D
 Acq: 03 Oct 2019 19:40

Tgt Ion: 83 Resp: 207896
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.3 82.3
 127 8.2 7.0 10.4

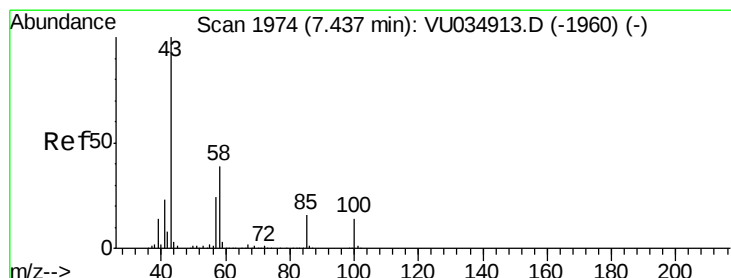
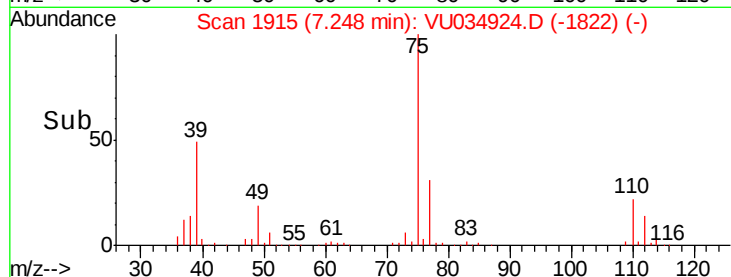
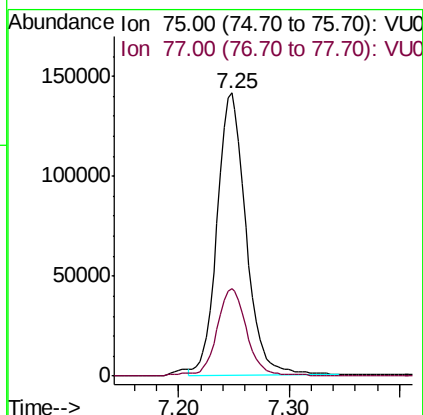
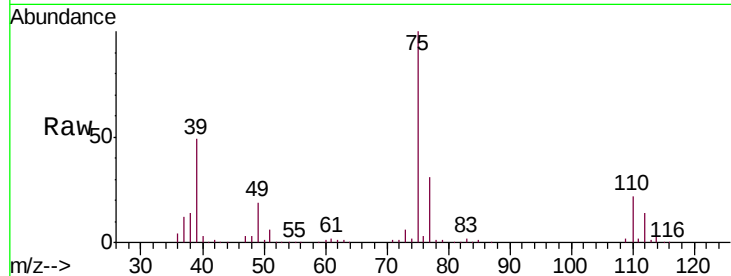




#39
 cis-1,3-Dichloropropene
 Concen: 49.271 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034924.D
 Acq: 03 Oct 2019 19:40

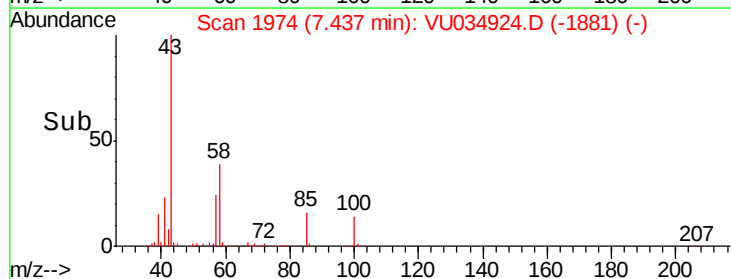
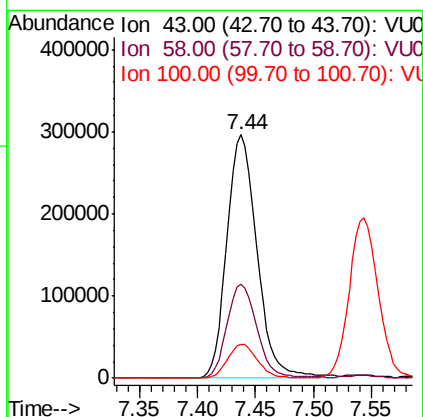
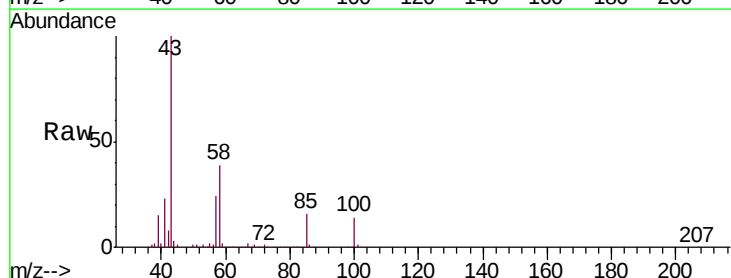
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

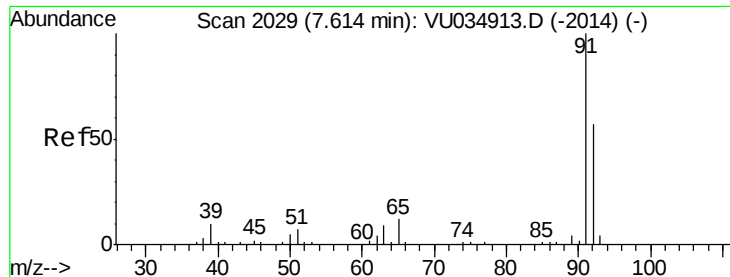
Tgt Ion: 75 Resp: 255448
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 100.328 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034924.D
 Acq: 03 Oct 2019 19:40

Tgt Ion: 43 Resp: 531789
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.7 46.1
 100 13.7 10.9 16.3





#42

Toluene

Concen: 50.724 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

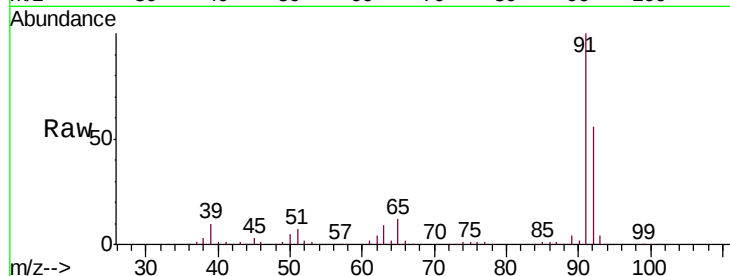
VSTD05052

Tgt Ion: 91 Resp: 669378

Ion Ratio Lower Upper

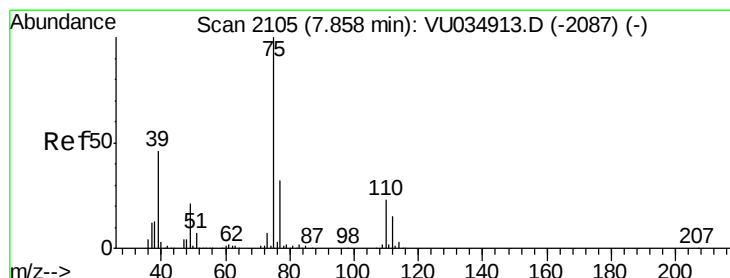
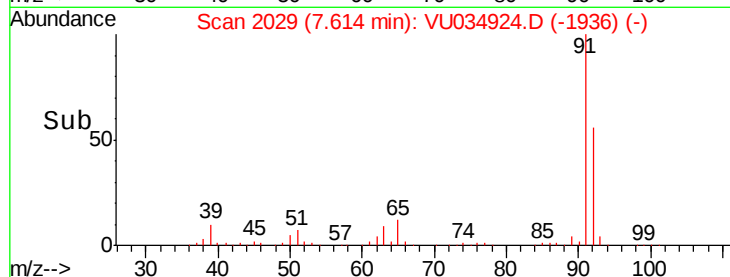
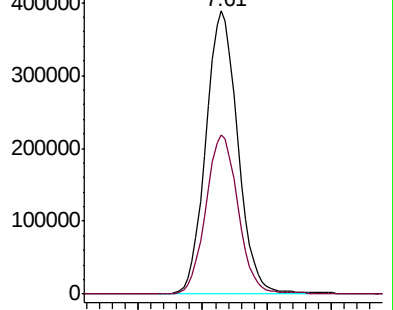
91 100

92 56.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU034913.D (-2014) (-)

Ion 92.00 (91.70 to 92.70): VU034913.D (-2014) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.691 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034924.D

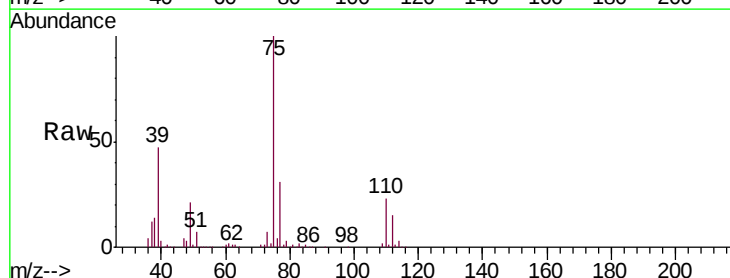
Acq: 03 Oct 2019 19:40

Tgt Ion: 75 Resp: 230369

Ion Ratio Lower Upper

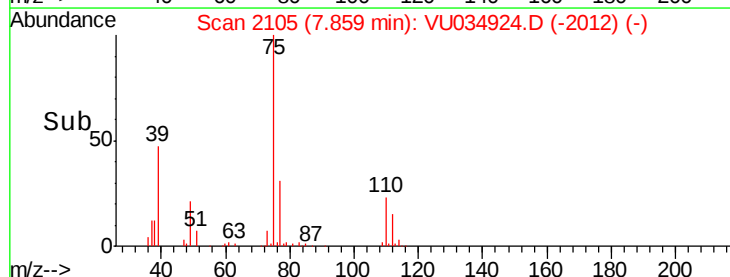
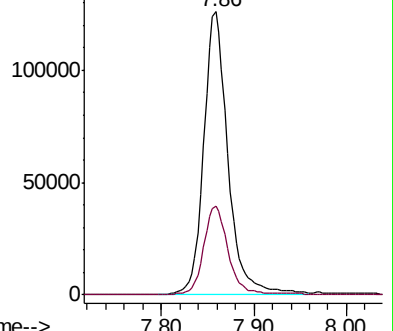
75 100

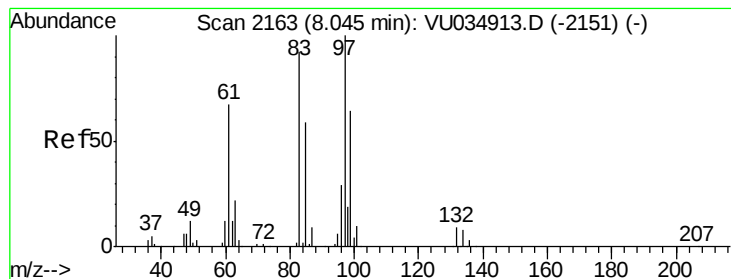
77 31.2 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU034913.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU034913.D (-2087) (-)





#45

1,1,2-Trichloroethane

Concen: 49.948 ug/L

RT: 8.05 min Scan# 2163

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 97 Resp: 150286

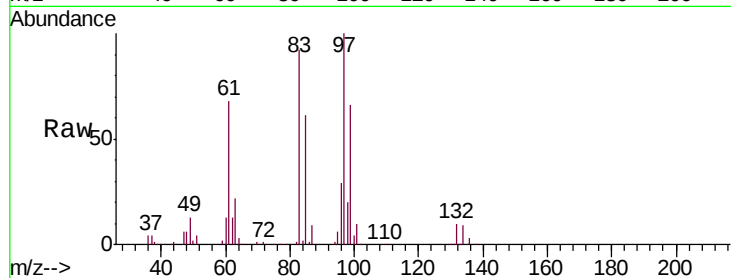
Ion Ratio Lower Upper

97 100

99 65.6 44.8 83.2

83 92.4 64.4 119.6

85 60.8 41.4 76.8

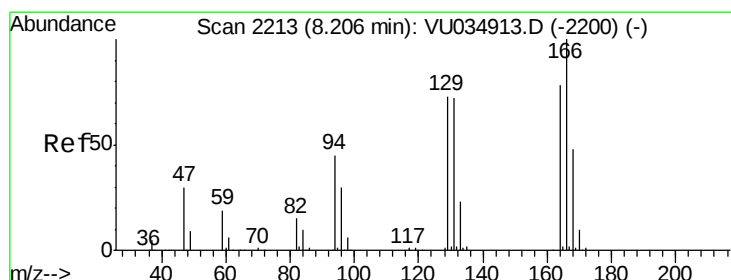
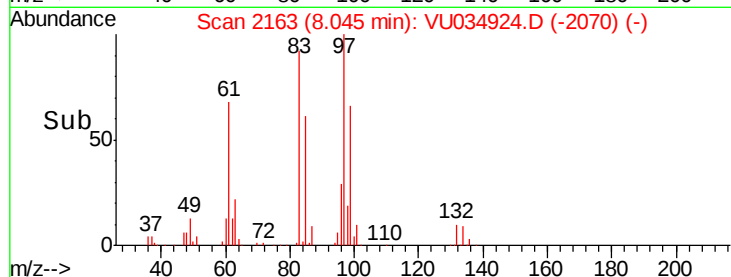
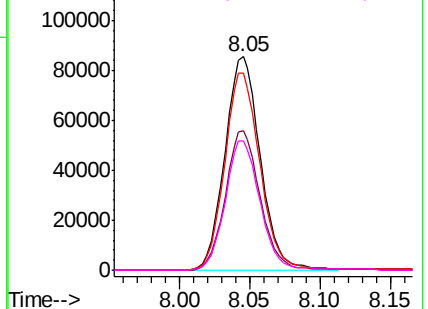


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 48.724 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Tgt Ion: 164 Resp: 119581

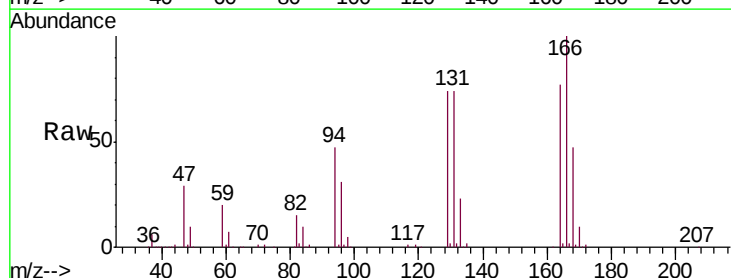
Ion Ratio Lower Upper

164 100

129 95.5 65.9 122.3

131 95.8 64.9 120.5

166 129.4 89.9 166.9

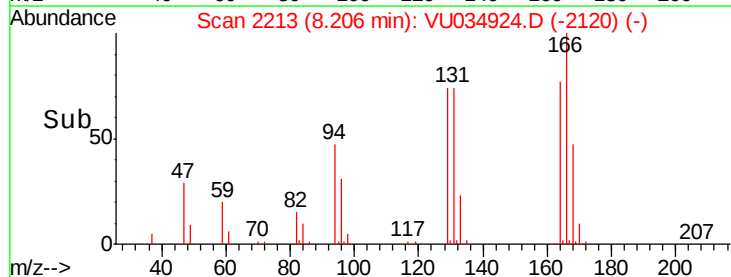
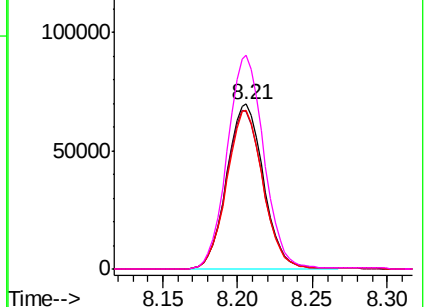


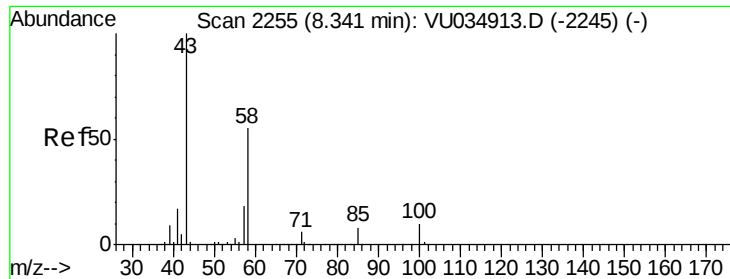
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

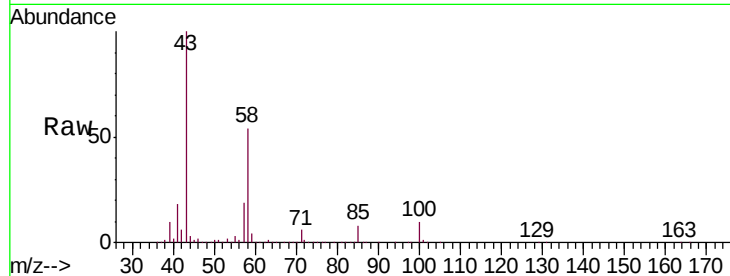




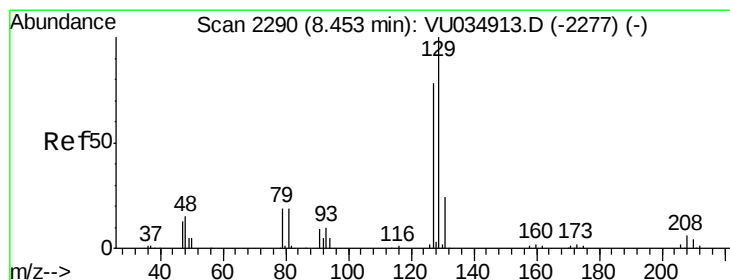
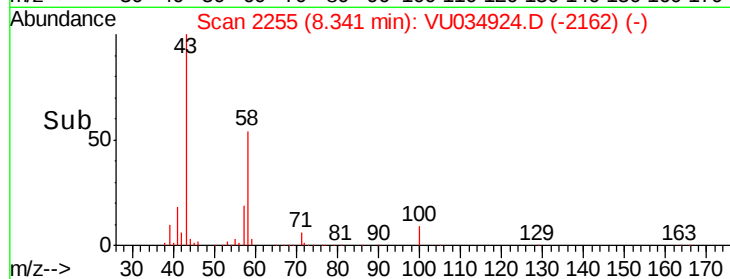
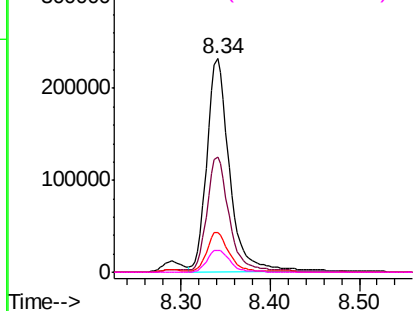
#48
2-Hexanone
Concen: 101.073 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Tgt Ion: 43 Resp: 408294
Ion Ratio Lower Upper
43 100
58 53.7 40.8 61.2
57 17.8 14.0 21.0
100 10.6 8.0 12.0

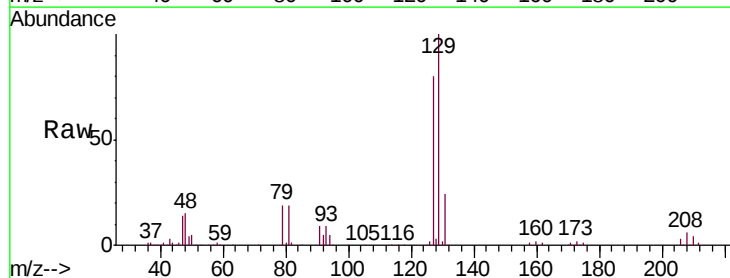


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

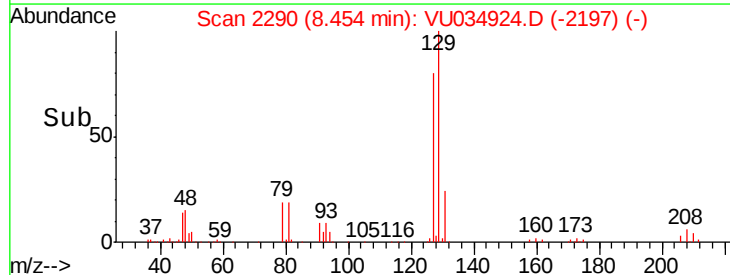
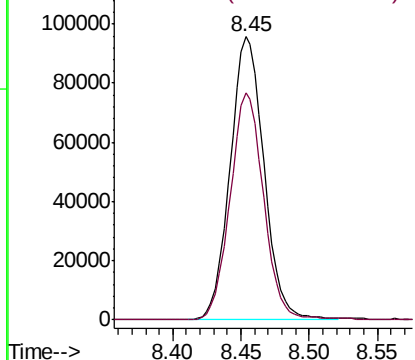


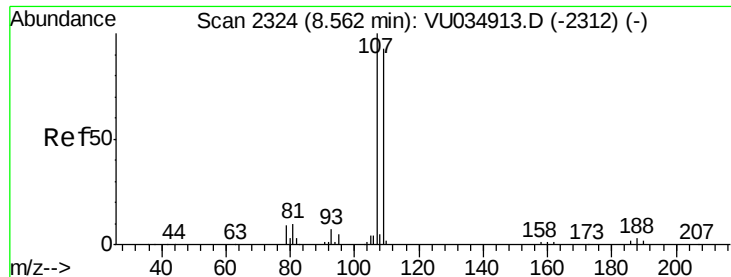
#49
Dibromochloromethane
Concen: 50.736 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

Tgt Ion: 129 Resp: 165275
Ion Ratio Lower Upper
129 100
127 80.4 54.3 100.9



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

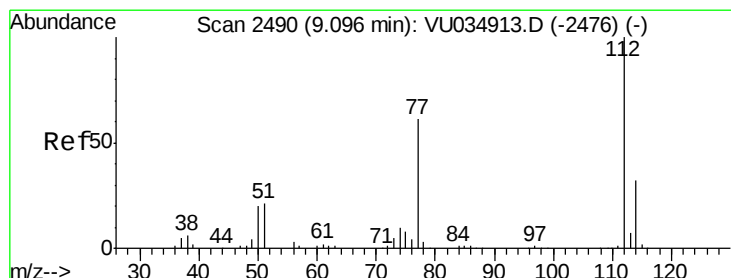
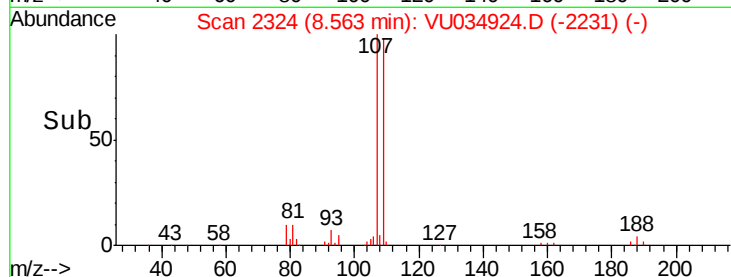
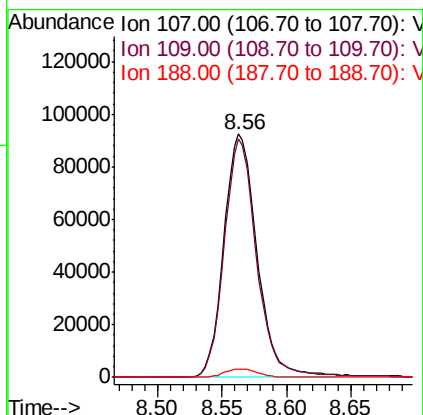
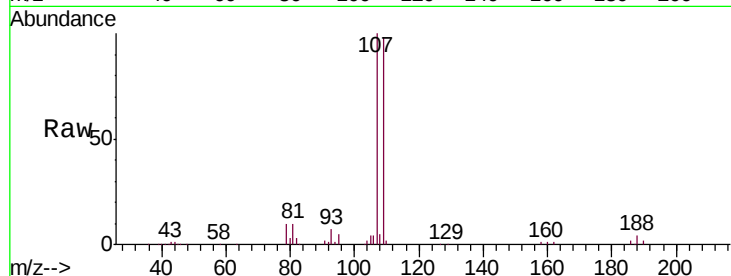




#50
1,2-Dibromoethane
Concen: 51.160 ug/L
RT: 8.56 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

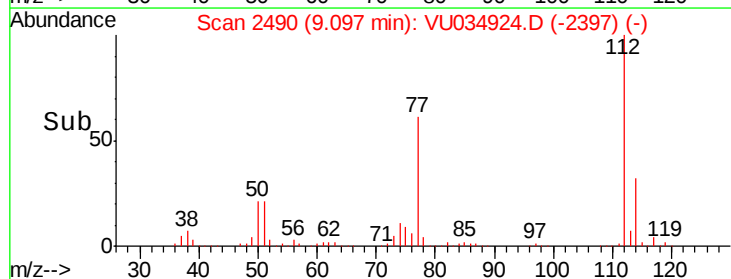
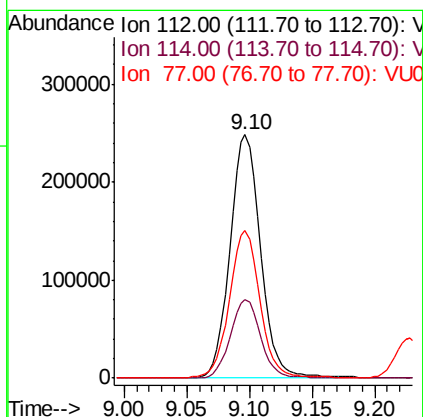
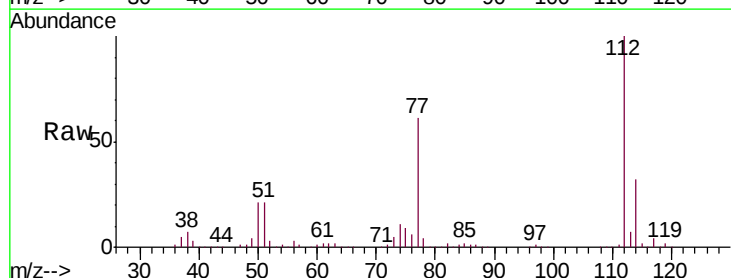
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

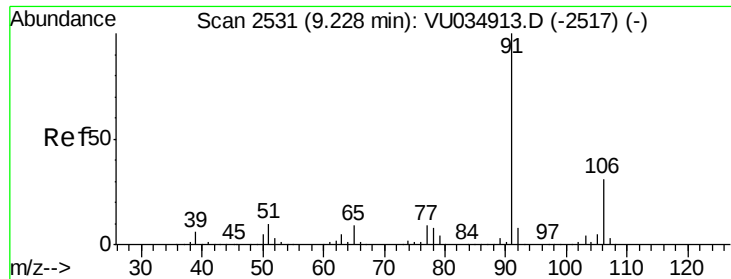
Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.7	65.2	121.0
188	3.5	2.6	4.0



#51
Chlorobenzene
Concen: 49.922 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.3
77	60.5	48.7	73.1

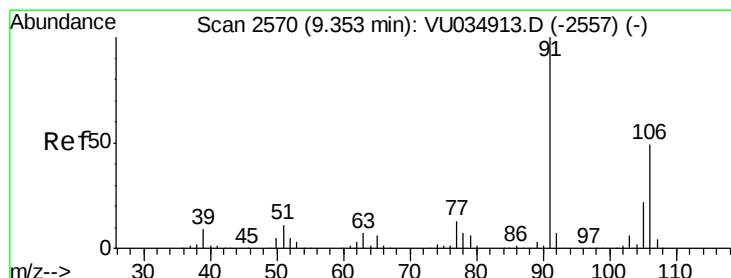
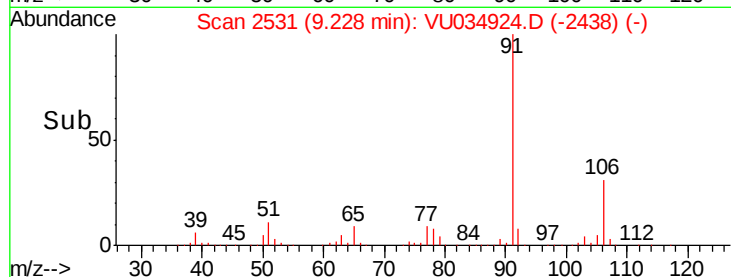
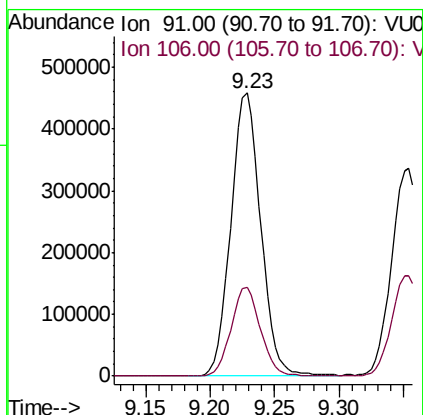
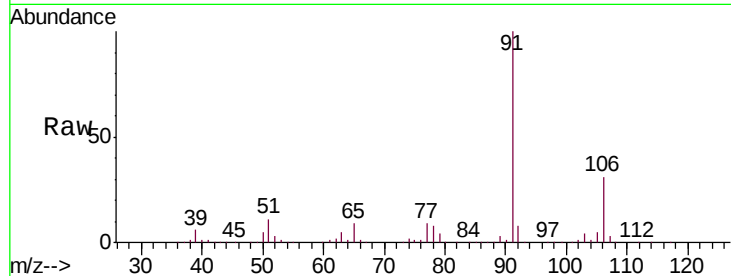




#52
Ethylbenzene
Concen: 50.323 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

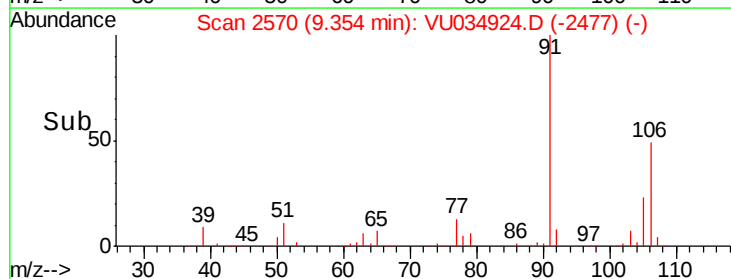
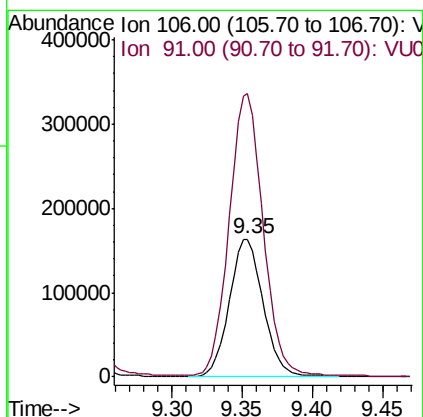
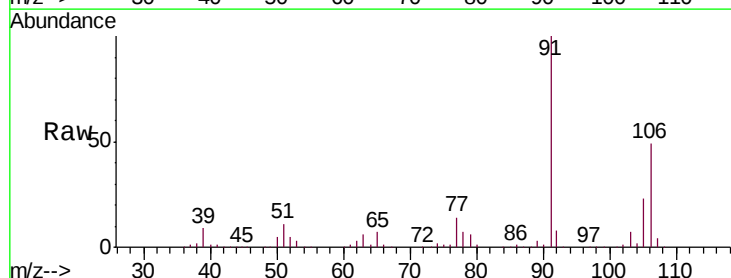
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

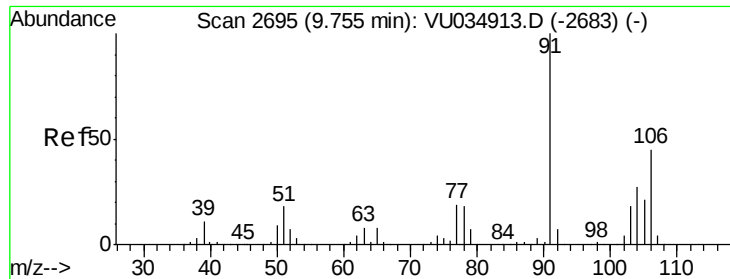
Tgt Ion: 91 Resp: 737238
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.2



#53
m,p-Xylene
Concen: 50.205 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034924.D
Acq: 03 Oct 2019 19:40

Tgt Ion: 106 Resp: 272408
Ion Ratio Lower Upper
106 100
91 205.8 144.5 268.3





#54

o-xylene

Concen: 51.129 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

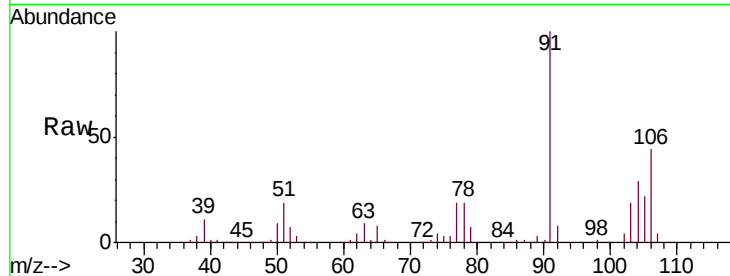
VSTD05052

Tgt Ion:106 Resp: 272832

Ion Ratio Lower Upper

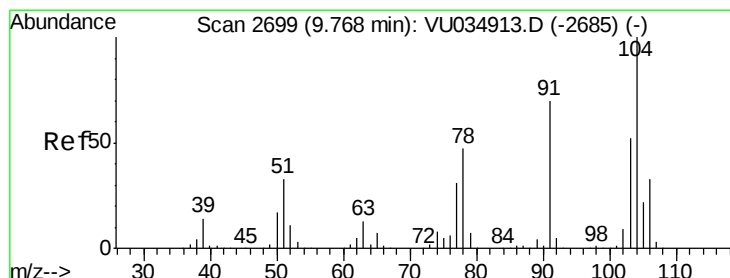
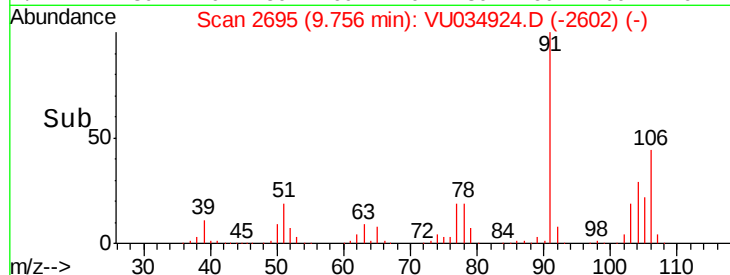
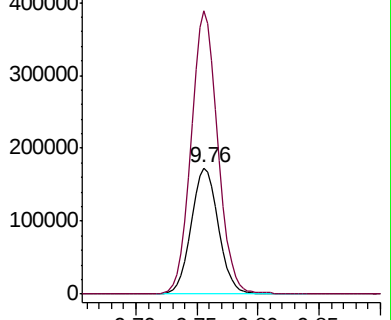
106 100

91 224.7 154.1 286.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.738 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VU034924.D

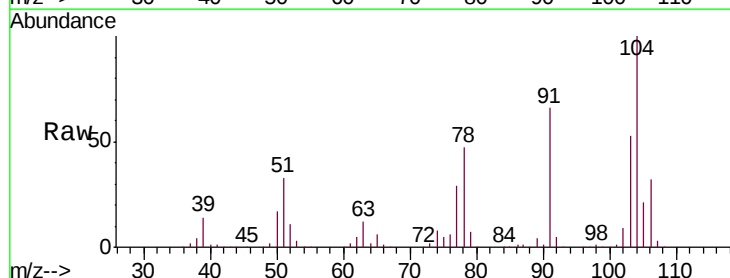
Acq: 03 Oct 2019 19:40

Tgt Ion:104 Resp: 463036

Ion Ratio Lower Upper

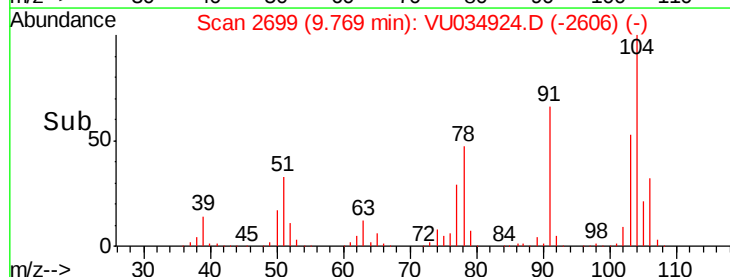
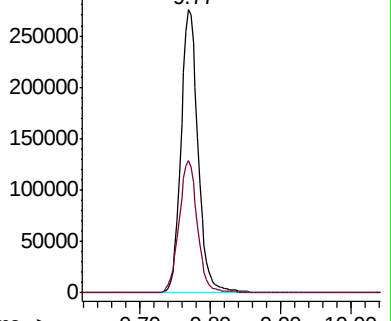
104 100

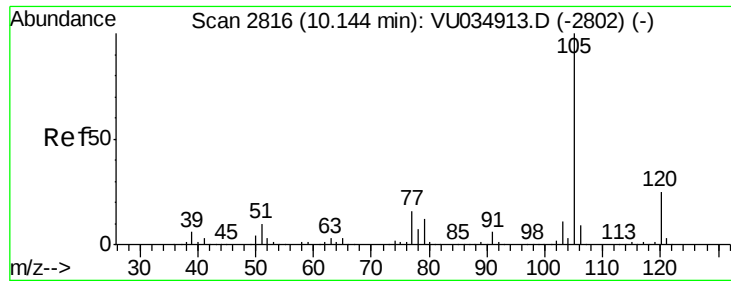
78 46.6 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.645 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. -0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

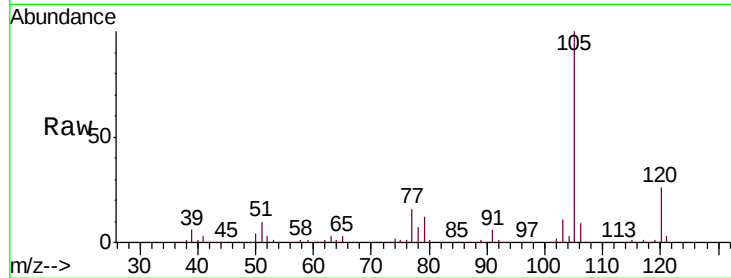
Tgt Ion: 105 Resp: 711402

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

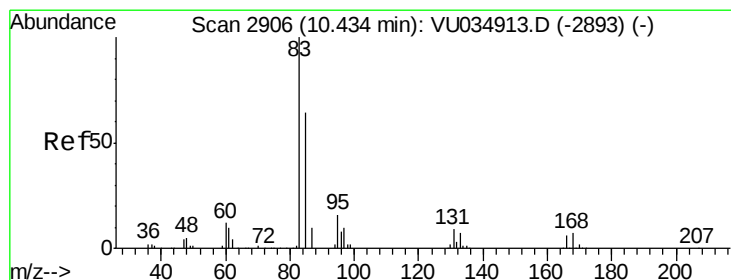
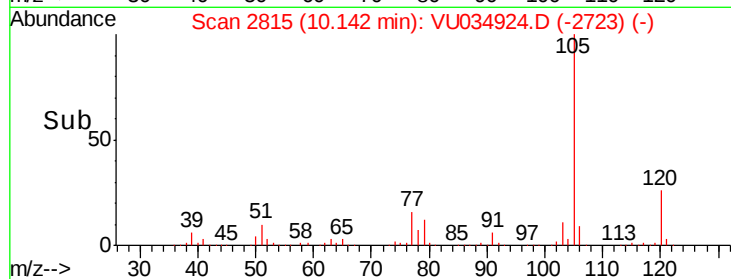
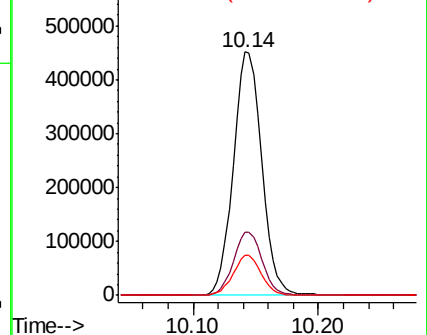
77 16.2 12.8 19.2



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: 50.528 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

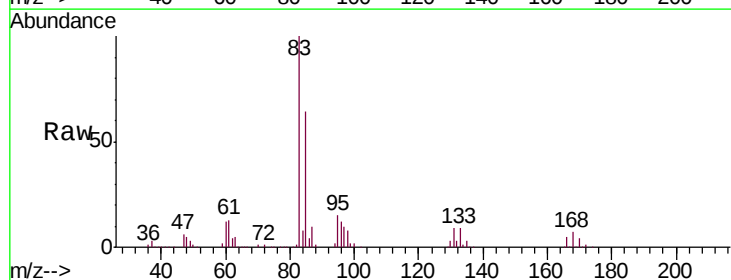
Tgt Ion: 83 Resp: 277406

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.9

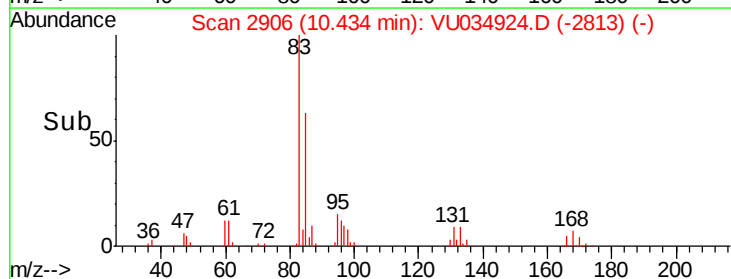
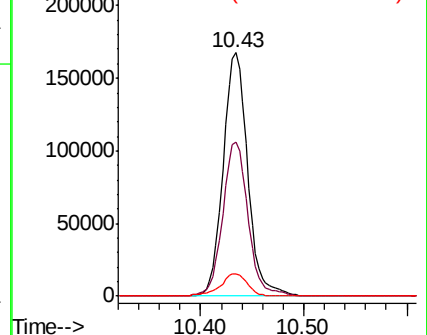
131 9.2 7.4 11.2

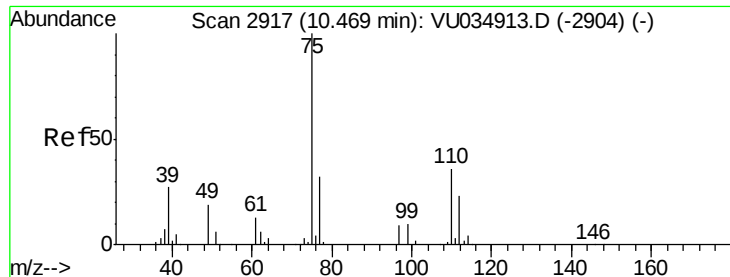


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.115 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

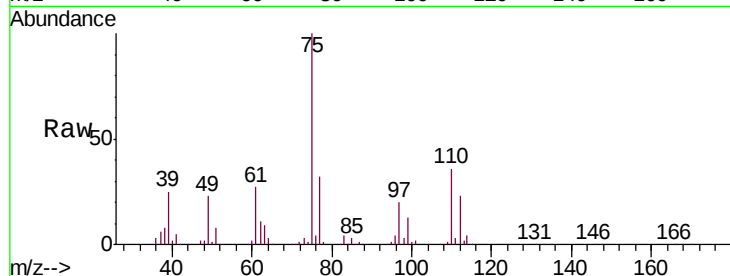
VSTD05052

Tgt Ion: 75 Resp: 221700

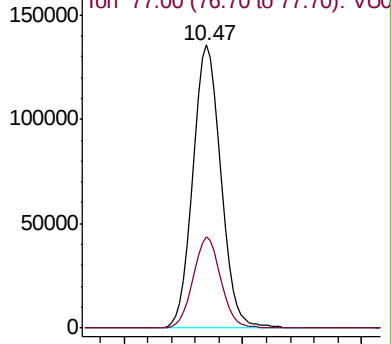
Ion Ratio Lower Upper

75 100

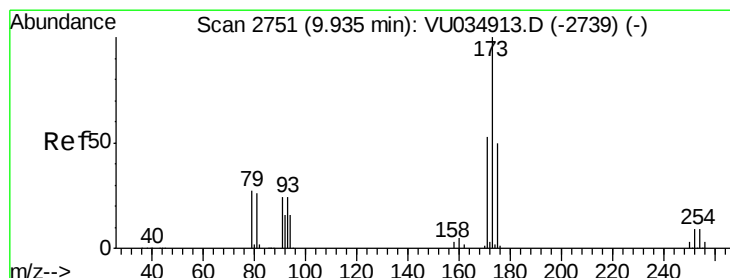
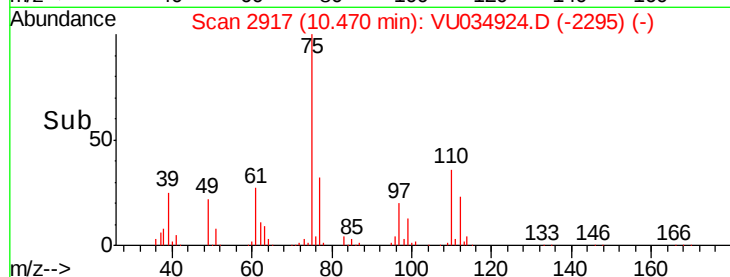
77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU034913.D (-2904) (-)



Time-->



#61

Bromoform

Concen: 49.623 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

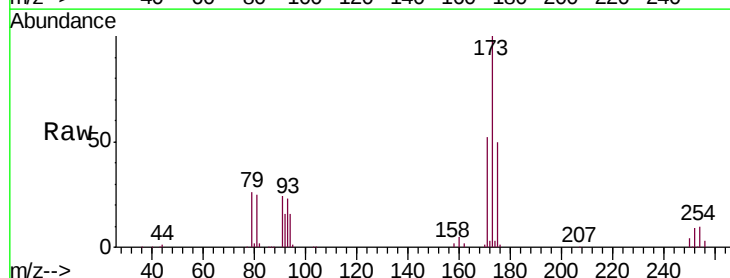
Tgt Ion: 173 Resp: 121679

Ion Ratio Lower Upper

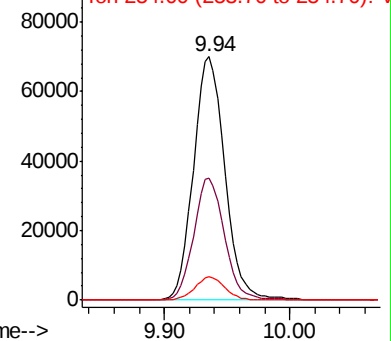
173 100

175 48.7 38.6 57.8

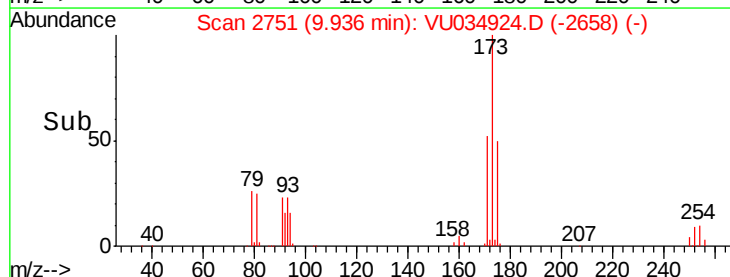
254 9.0 6.9 10.3

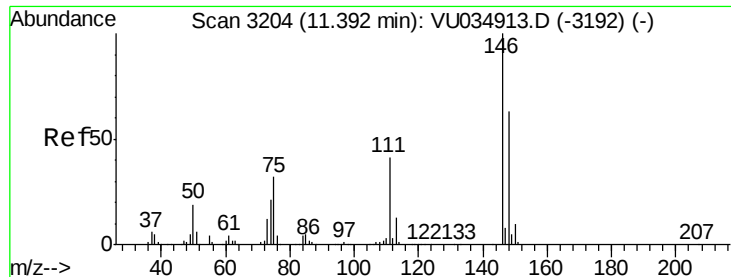


Abundance Ion 173.00 (172.70 to 173.70): VU034913.D (-2739) (-)



Time-->





#62

1,3-Dichlorobenzene

Concen: 50.747 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

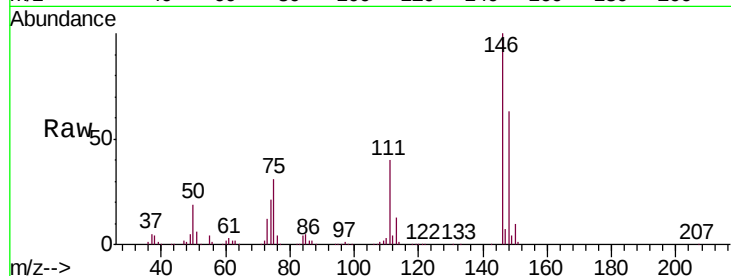
Tgt Ion:146 Resp: 319311

Ion Ratio Lower Upper

146 100

111 40.0 28.8 53.6

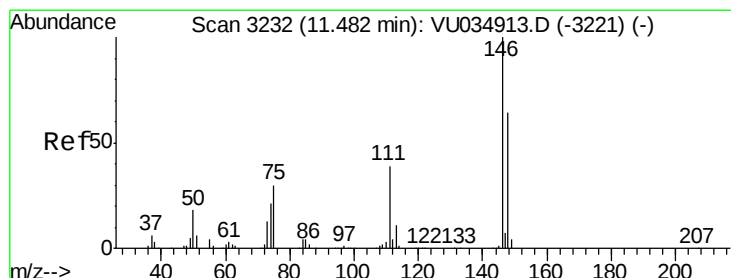
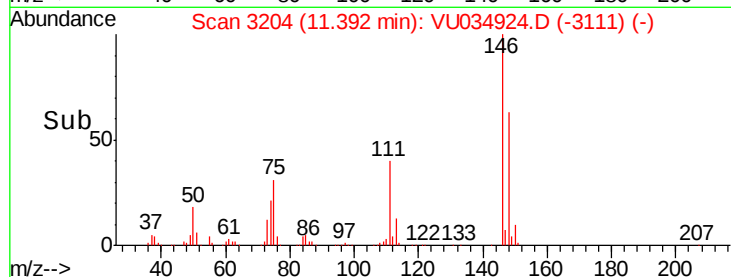
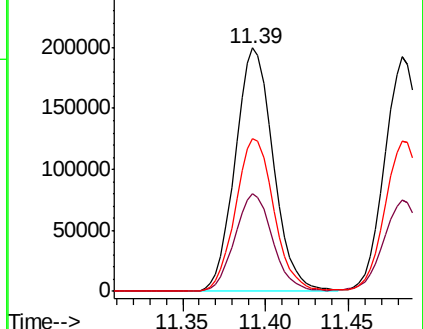
148 62.7 44.4 82.5



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: 49.058 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

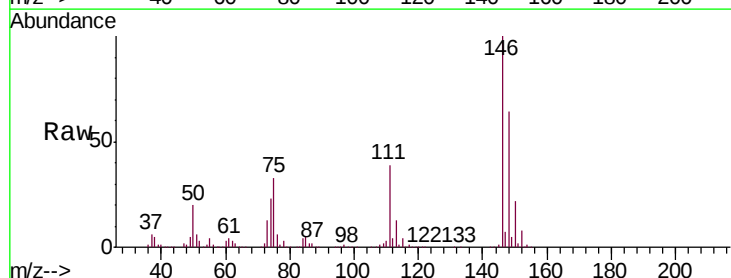
Tgt Ion:146 Resp: 308539

Ion Ratio Lower Upper

146 100

111 38.9 27.3 50.7

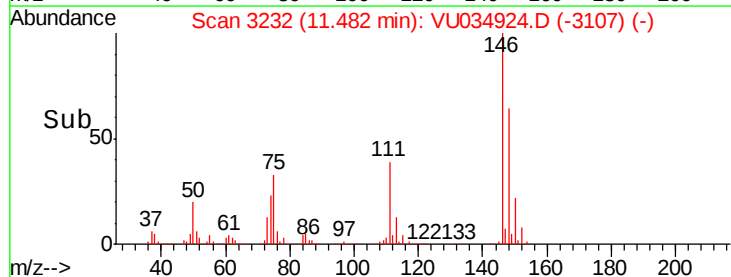
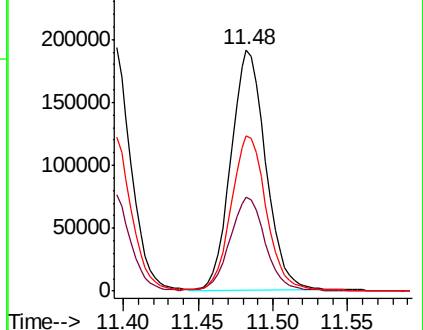
148 64.2 44.5 82.7

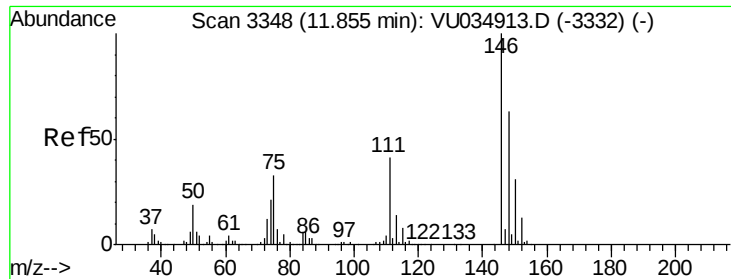


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.452 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

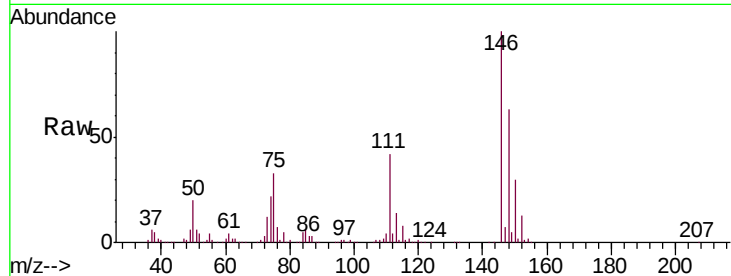
Tgt Ion:146 Resp: 318544

Ion Ratio Lower Upper

146 100

111 41.7 33.0 49.4

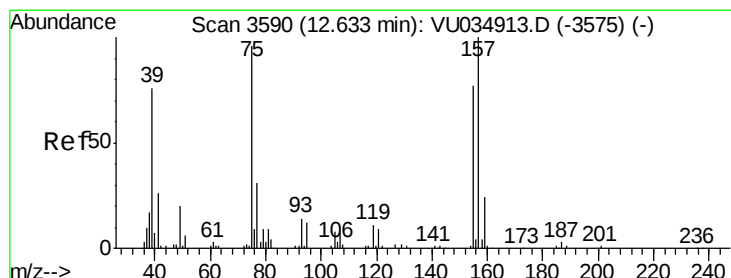
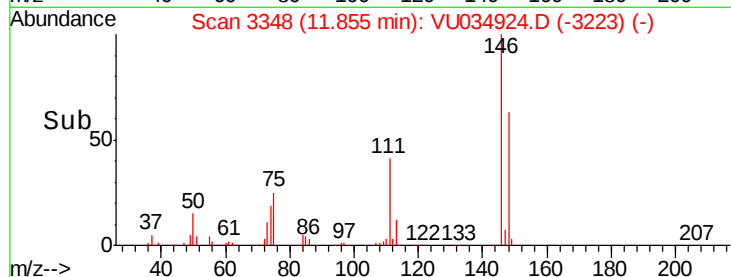
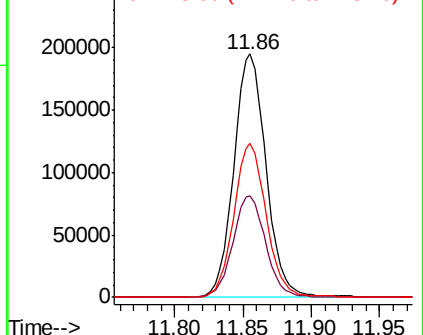
148 63.2 50.6 76.0



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: 50.282 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

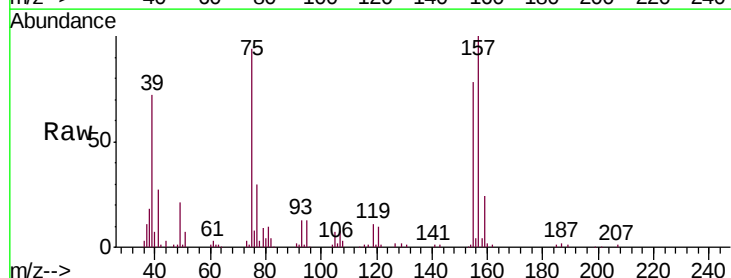
Tgt Ion: 75 Resp: 55373

Ion Ratio Lower Upper

75 100

155 82.2 64.2 96.2

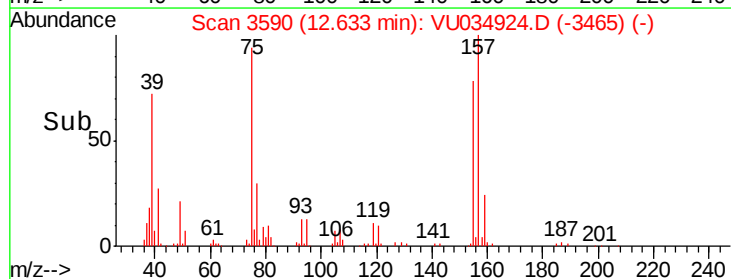
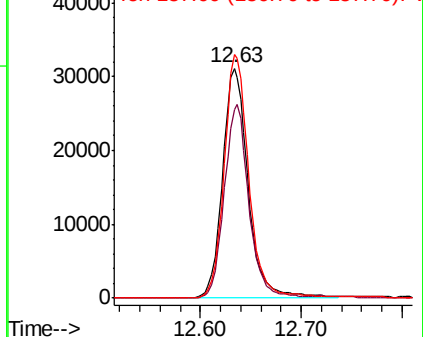
157 106.0 83.0 124.4

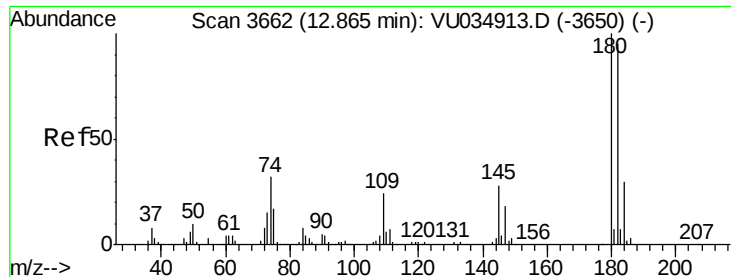


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

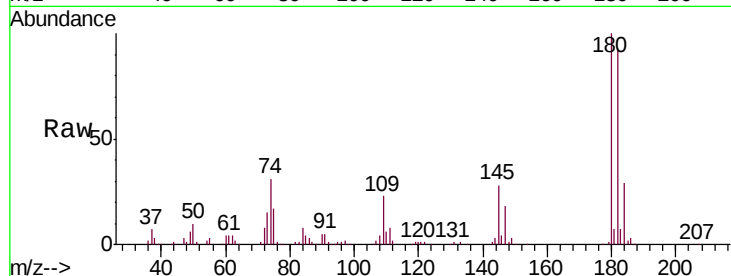




#67
 1,3,5-Trichlorobenzene
 Concen: 51.861 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034924.D
 Acq: 03 Oct 2019 19:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.6	115.0
184	30.0	24.1	36.1
145	27.6	22.4	33.6



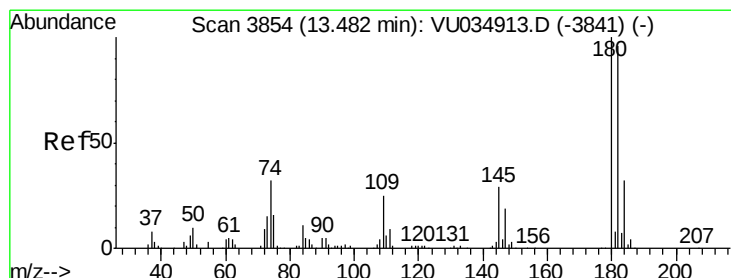
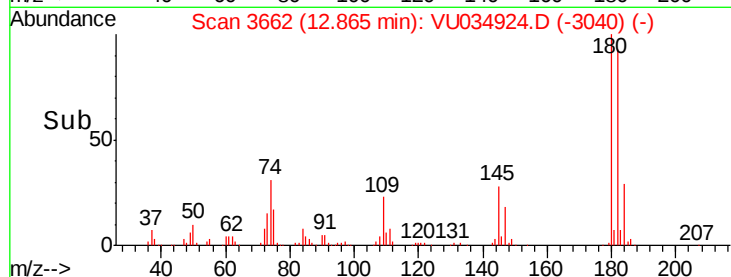
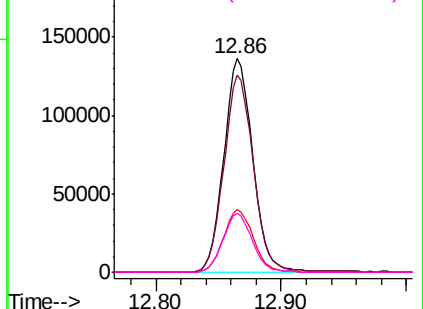
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

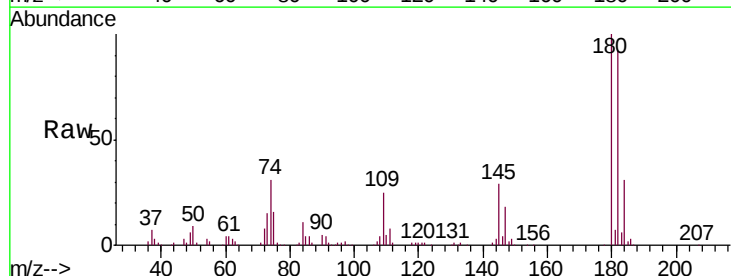
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.894 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034924.D
 Acq: 03 Oct 2019 19:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.5	114.7
145	28.3	22.6	33.8

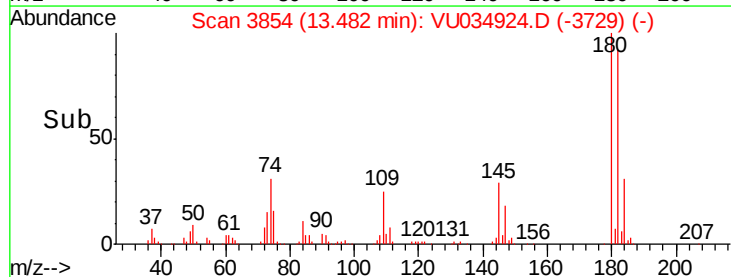
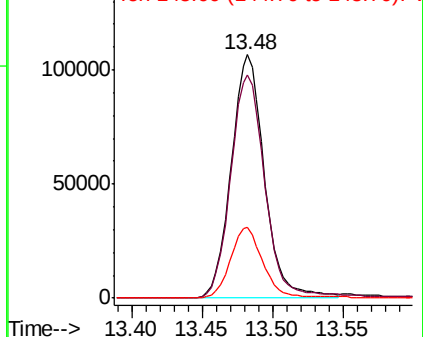


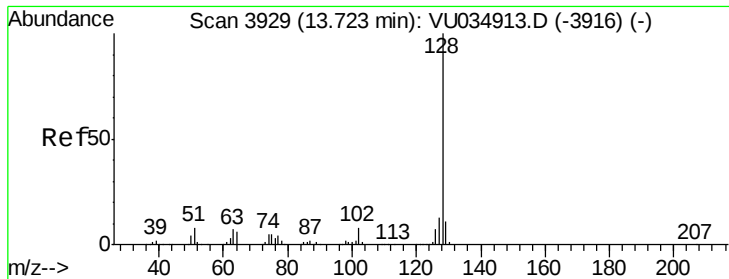
Abundance

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: 53.287 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

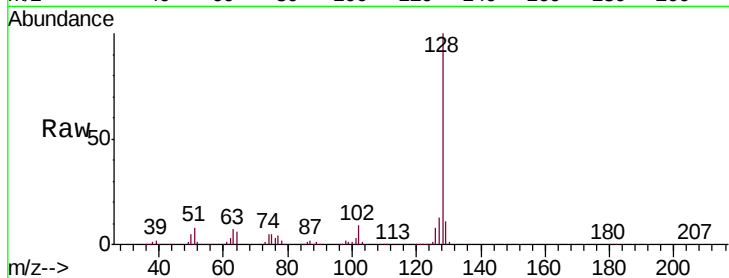
Tgt Ion:128 Resp: 518659

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

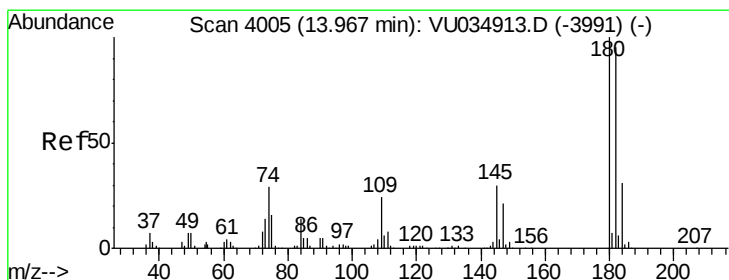
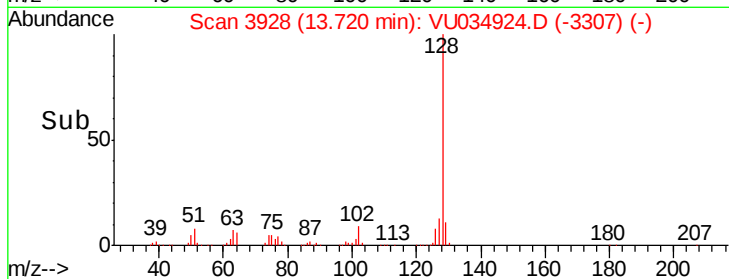
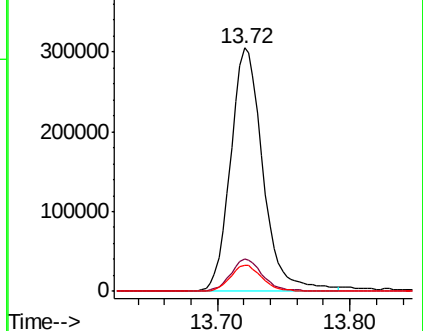
129 10.6 8.4 12.6



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: 53.457 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034924.D

Acq: 03 Oct 2019 19:40

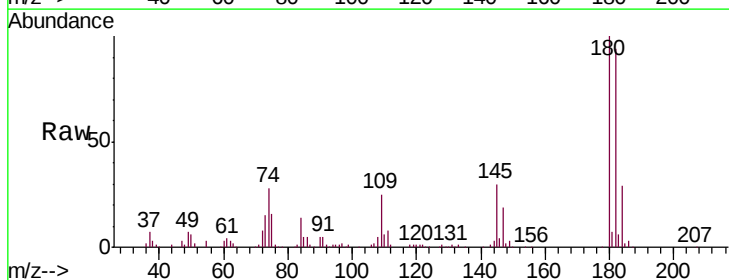
Tgt Ion:180 Resp: 180966

Ion Ratio Lower Upper

180 100

182 95.4 77.2 115.8

145 30.7 24.5 36.7



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

