

Data File : VU034809.D
Acq On : 25 Sep 2019 17:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Quant Time: Sep 26 06:55:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 04:40:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	440334	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	417153	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	208606	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	203973	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.50%
7) Chloroethane-d5	1.67	69	179155	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.84%
11) 1,1-Dichloroethene-d2	2.26	63	370402	48.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.04%
21) 2-Butanone-d5	4.15	46	398262	115.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.27%
24) Chloroform-d	4.62	84	360715	55.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.08%
26) 1,2-Dichloroethane-d4	5.29	65	240207	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
32) Benzene-d6	5.32	84	721368	55.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.58%
36) 1,2-Dichloropropane-d6	6.31	67	253463	56.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.18%
41) Toluene-d8	7.54	98	703466	57.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.38%
43) trans-1,3-Dichloropropene-	7.83	79	114630	52.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.92%
47) 2-Hexanone-d5	8.29	63	265874	117.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.13%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	354767	56.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.16%
64) 1,2-Dichlorobenzene-d4	11.84	152	255633	58.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	228855	50.426 ug/L	99
3) Chloromethane	1.32	50	270519	49.762 ug/L	100
5) Vinyl chloride	1.40	62	264322	53.236 ug/L	99
6) Bromomethane	1.62	94	120152	44.308 ug/L	96
8) Chloroethane	1.69	64	158847	55.572 ug/L	97
9) Trichlorofluoromethane	1.87	101	338188	54.020 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	166485	55.463 ug/L	95
12) 1,1-Dichloroethene	2.27	96	167561	58.162 ug/L	81
13) Acetone	2.31	43	314781	78.325 ug/L	96
14) Carbon disulfide	2.46	76	513677	52.844 ug/L	100
15) Methyl Acetate	2.60	43	302891	56.421 ug/L	99
16) Methylene chloride	2.68	84	207060	56.739 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	179314	56.928 ug/L	88
18) Methyl tert-butyl Ether	2.98	73	638652	54.652 ug/L	96
19) 1,1-Dichloroethane	3.42	63	383955	53.137 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	212926	57.814 ug/L	86
22) 2-Butanone	4.23	43	449625	94.040 ug/L	96

Data File : VU034809.D
Acq On : 25 Sep 2019 17:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Quant Time: Sep 26 06:55:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 04:40:46 2019
Response via : Initial Calibration

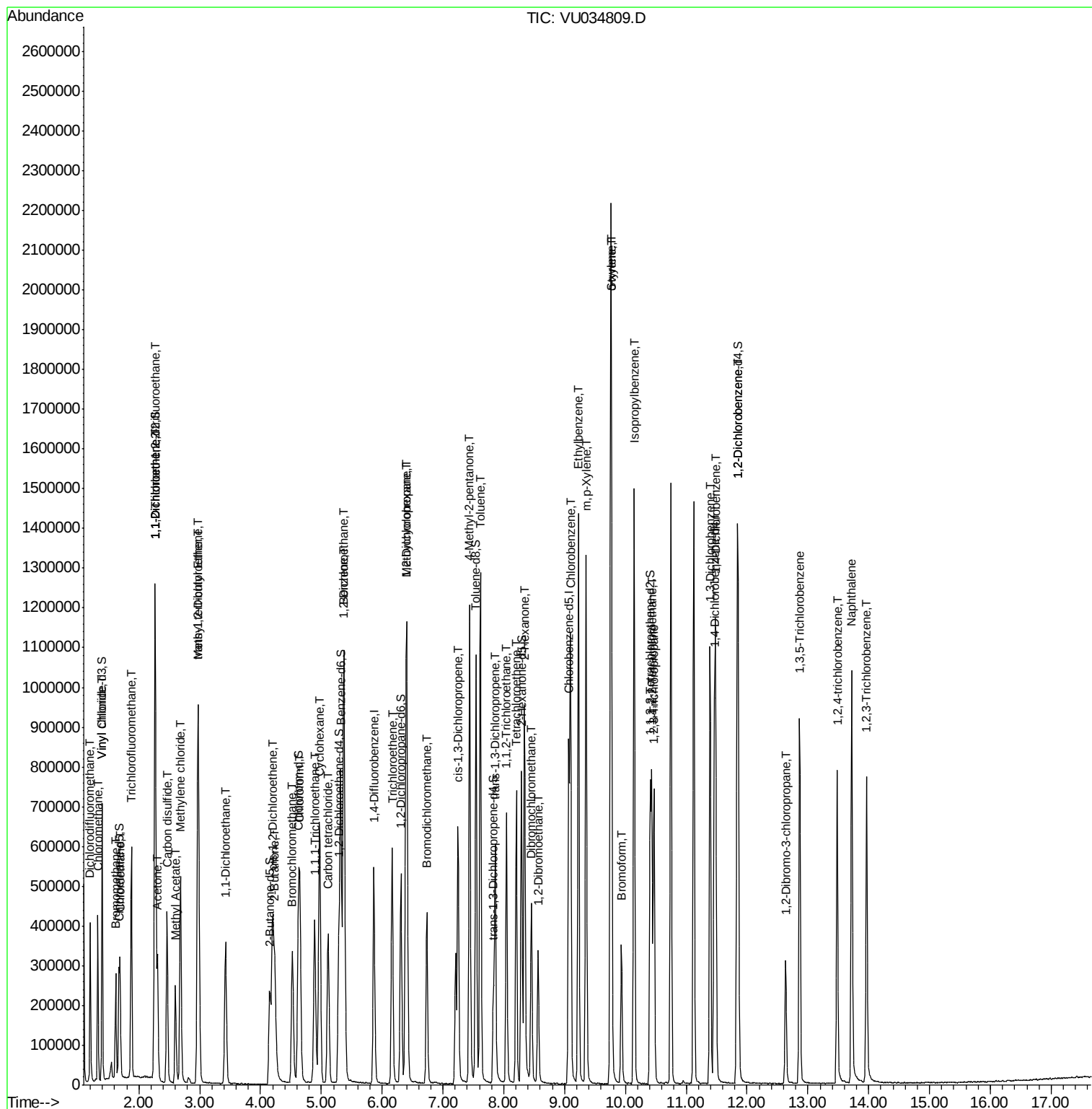
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	100643	57.092	ug/L	90
25) Chloroform	4.65	83	368750	51.824	ug/L	100
27) 1,2-Dichloroethane	5.38	62	311632	50.700	ug/L	97
29) Cyclohexane	4.97	56	357915	51.982	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	301079	53.029	ug/L	96
31) Carbon tetrachloride	5.11	117	253635	52.416	ug/L	99
33) Benzene	5.37	78	819058	56.612	ug/L	100
34) Trichloroethene	6.16	95	204868	57.336	ug/L	97
35) Methylcyclohexane	6.39	83	326223	53.800	ug/L	94
37) 1,2-Dichloropropane	6.41	63	239899	55.687	ug/L	99
38) Bromodichloromethane	6.73	83	271171	51.905	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	360689	55.722	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	861051	104.691	ug/L	96
42) Toluene	7.61	91	892254	57.065	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	314721	53.933	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	197654	57.279	ug/L	96
46) Tetrachloroethene	8.21	164	148912	59.248	ug/L	97
48) 2-Hexanone	8.34	43	660084	102.758	ug/L	96
49) Dibromochloromethane	8.45	129	217089	56.440	ug/L	99
50) 1,2-Dibromoethane	8.56	107	215405	57.920	ug/L	99
51) Chlorobenzene	9.10	112	547087	57.558	ug/L	95
52) Ethylbenzene	9.23	91	978859	55.594	ug/L	98
53) m,p-Xylene	9.35	106	364402	58.432	ug/L	94
54) o-xylene	9.76	106	359449	58.273	ug/L	97
55) Styrene	9.77	104	613396	58.748	ug/L	95
56) Isopropylbenzene	10.14	105	942429	56.664	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	368030	55.528	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	287602	53.452	ug/L	99
61) Bromoform	9.94	173	150607	52.437	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	414308	57.350	ug/L	94
63) 1,4-Dichlorobenzene	11.48	146	406033	55.174	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	409491	56.100	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	77760	50.119	ug/L	87
67) 1,3,5-Trichlorobenzene	12.86	180	270124	55.806	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	229168	60.206	ug/L	97
69) Naphthalene	13.72	128	801567	60.831	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	233404	59.594	ug/L	96

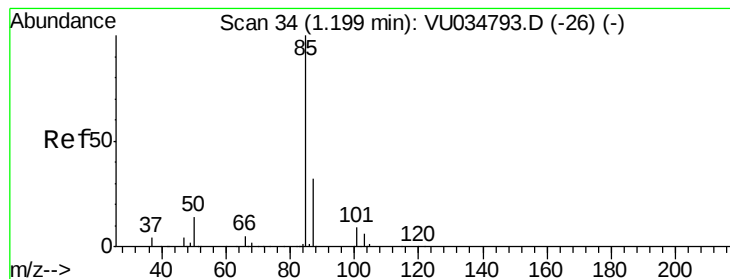
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU034809.D
Acq On : 25 Sep 2019 17:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Quant Time: Sep 26 06:55:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 04:40:46 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 50.426 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

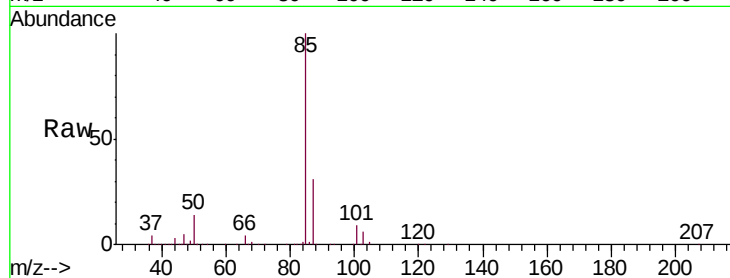
VSTD05046

Tgt Ion: 85 Resp: 228855

Ion Ratio Lower Upper

85 100

87 31.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU034809.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034809.D (-1) (-)

1.20

200000

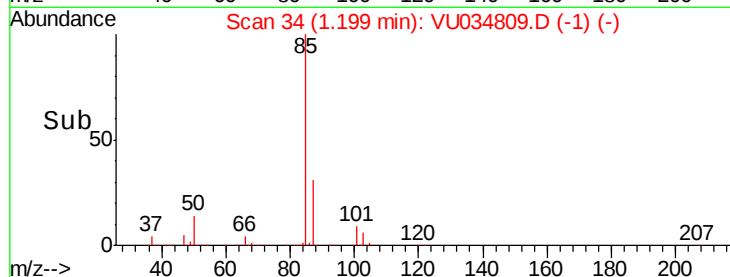
150000

100000

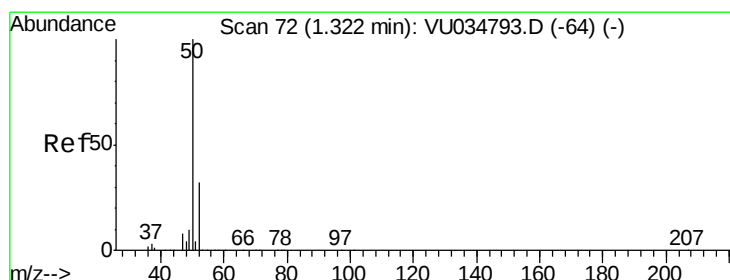
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 49.762 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034809.D

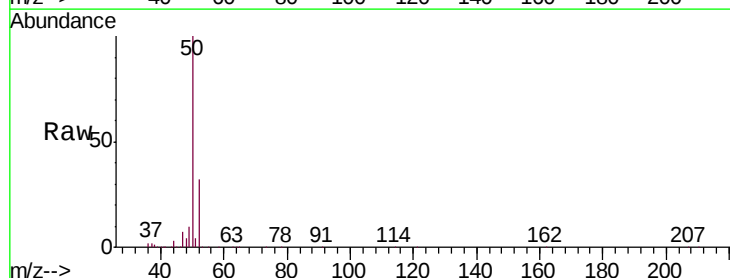
Acq: 25 Sep 2019 17:36

Tgt Ion: 50 Resp: 270519

Ion Ratio Lower Upper

50 100

52 32.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU034809.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034809.D (-1) (-)

1.32

300000

250000

200000

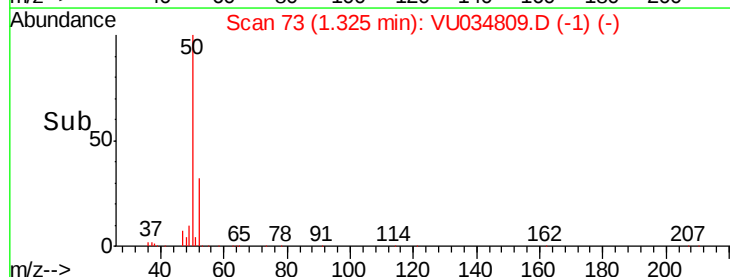
150000

100000

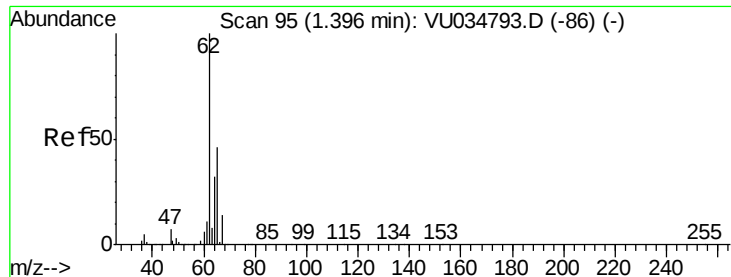
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 53.236 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

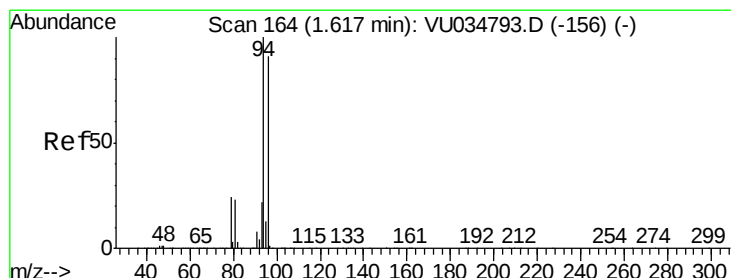
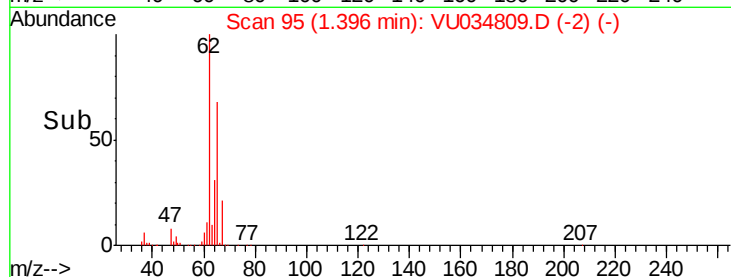
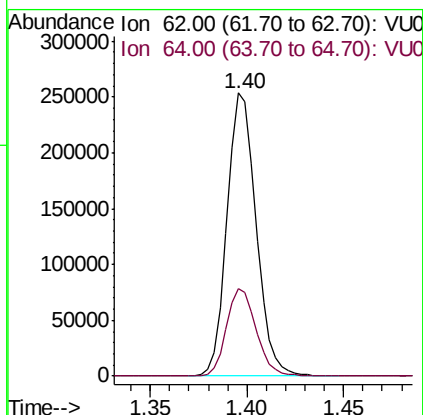
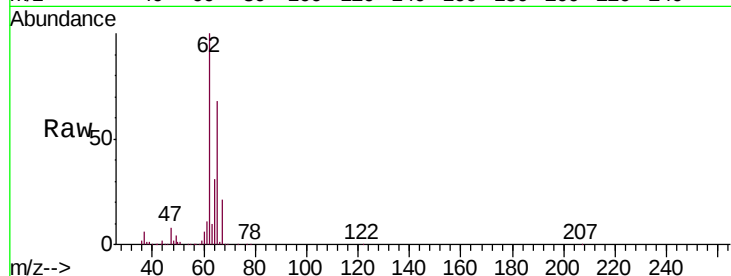
VSTD05046

Tgt Ion: 62 Resp: 264322

Ion Ratio Lower Upper

62 100

64 30.9 22.2 41.2



#6

Bromomethane

Concen: 44.308 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU034809.D

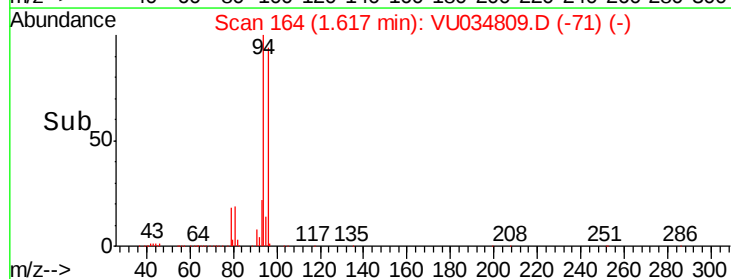
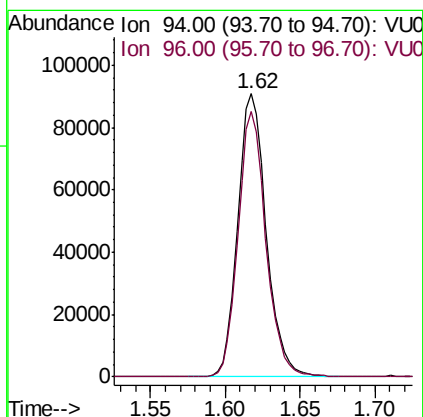
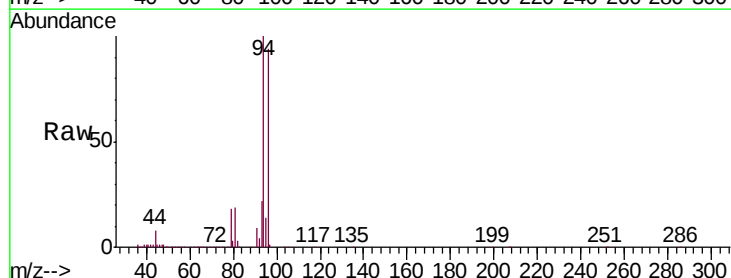
Acq: 25 Sep 2019 17:36

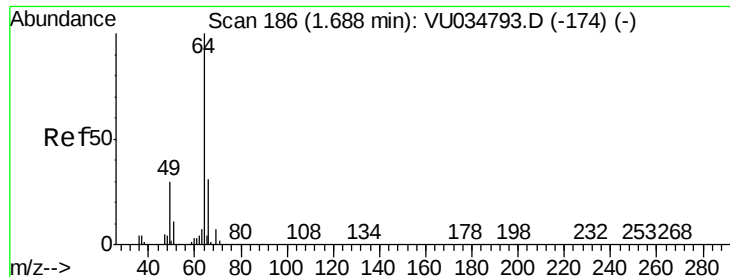
Tgt Ion: 94 Resp: 120152

Ion Ratio Lower Upper

94 100

96 93.6 62.8 116.6





#8

Chloroethane

Concen: 55.572 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

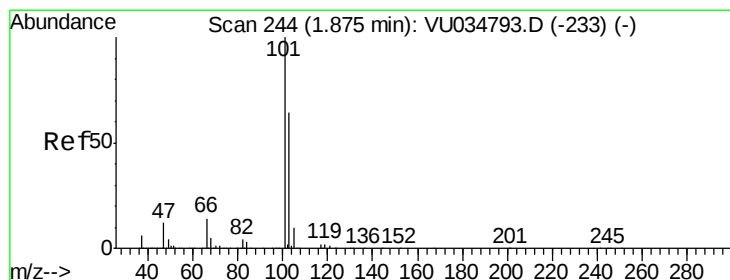
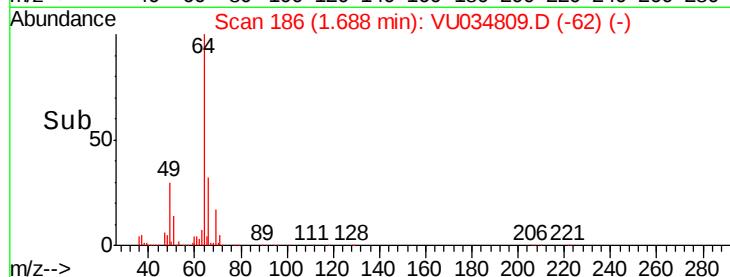
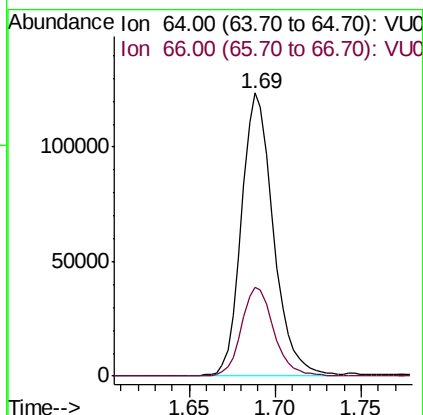
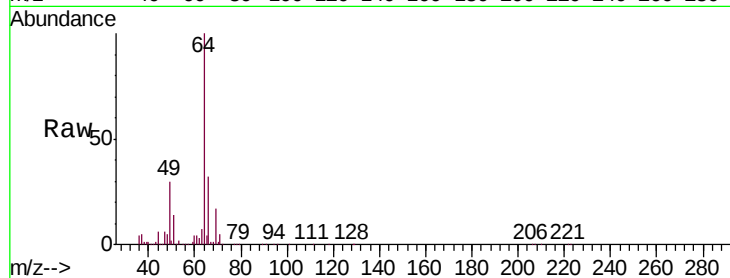
VSTD05046

Tgt Ion: 64 Resp: 158847

Ion Ratio Lower Upper

64 100

66 31.6 23.1 42.9



#9

Trichlorofluoromethane

Concen: 54.020 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034809.D

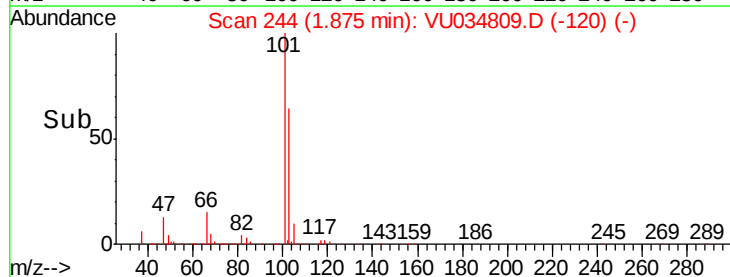
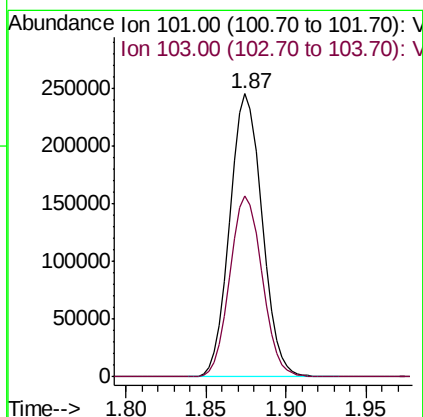
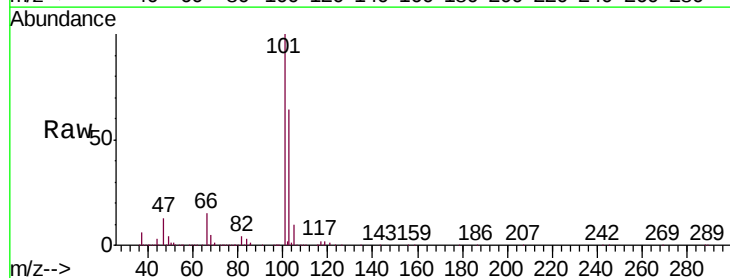
Acq: 25 Sep 2019 17:36

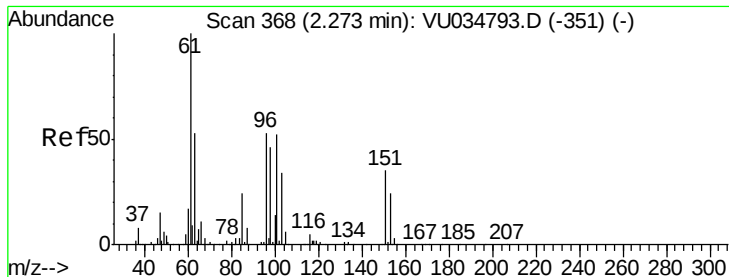
Tgt Ion: 101 Resp: 338188

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8





#10

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

Concen: 55.463 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

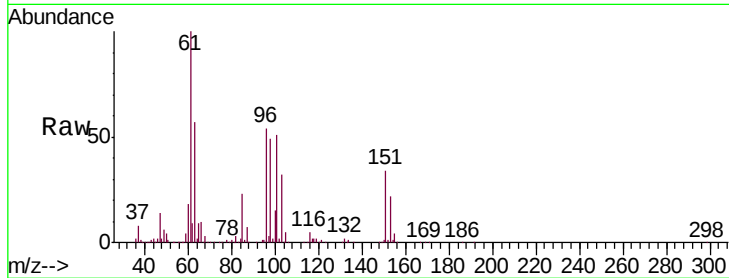
Tgt Ion: 101 Resp: 166485

Ion Ratio Lower Upper

101 100

85 46.4 39.0 58.4

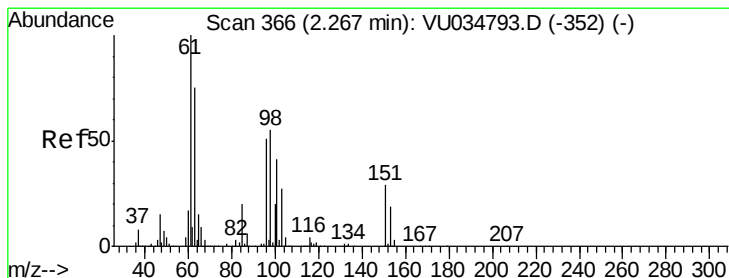
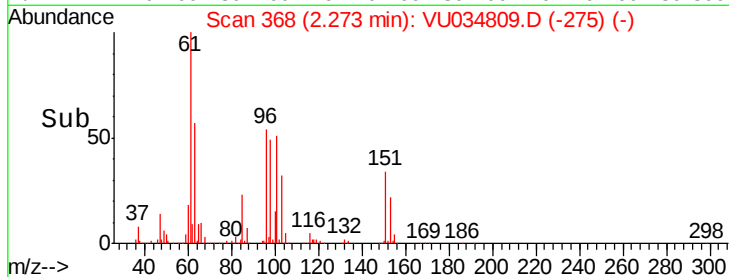
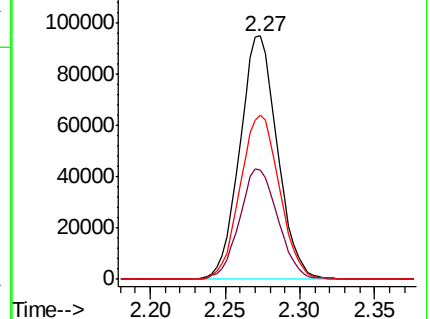
151 70.5 52.8 79.2



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: 58.162 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

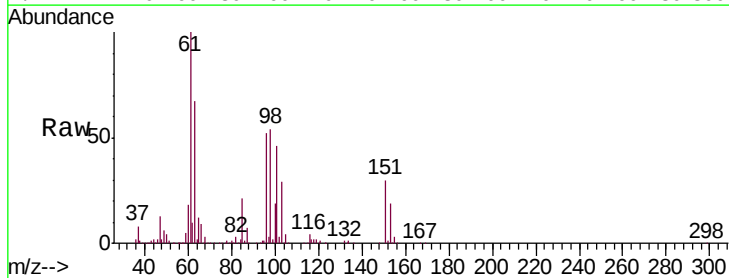
Tgt Ion: 96 Resp: 167561

Ion Ratio Lower Upper

96 100

61 194.1 153.2 284.4

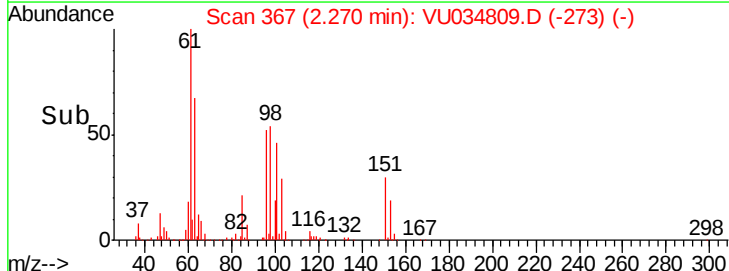
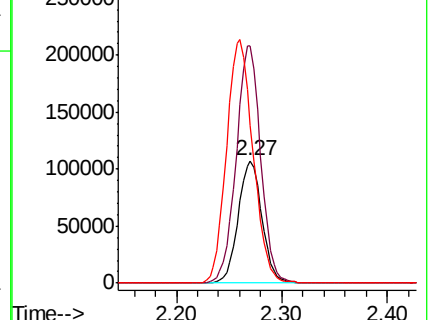
63 129.3 113.8 211.3

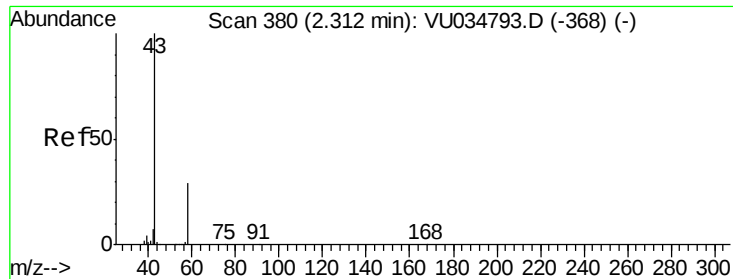


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 78.325 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

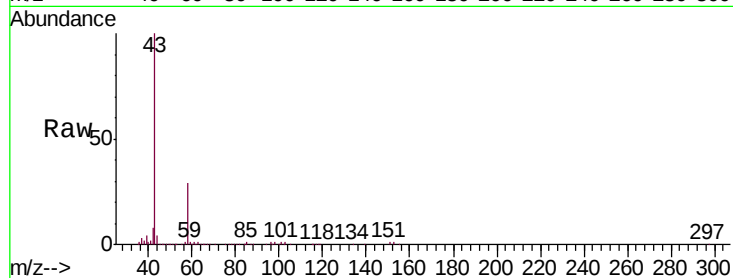
VSTD05046

Tgt Ion: 43 Resp: 314781

Ion Ratio Lower Upper

43 100

58 28.5 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034793.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VU034793.D (-368) (-)

2.31

200000

150000

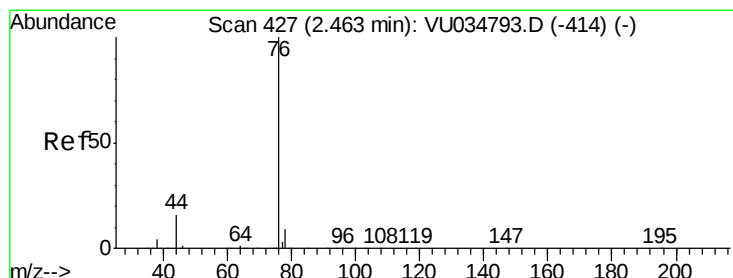
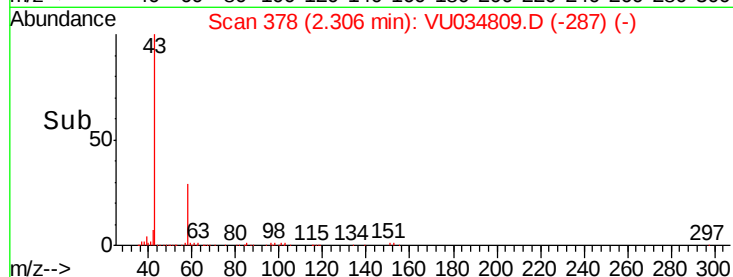
100000

50000

0

2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 52.844 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034809.D

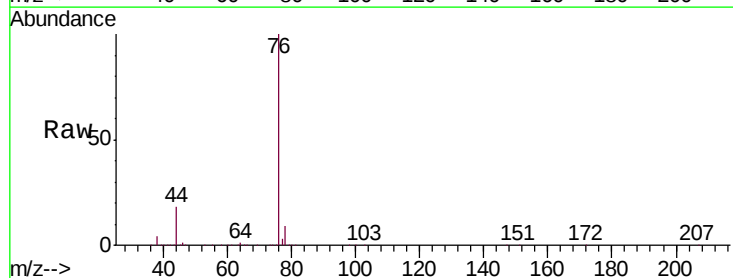
Acq: 25 Sep 2019 17:36

Tgt Ion: 76 Resp: 513677

Ion Ratio Lower Upper

76 100

78 8.6 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VU034793.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034793.D (-414) (-)

2.46

300000

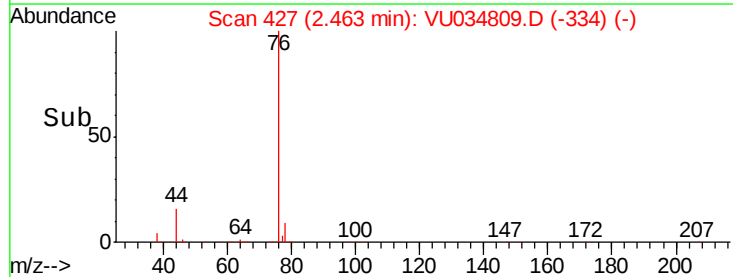
200000

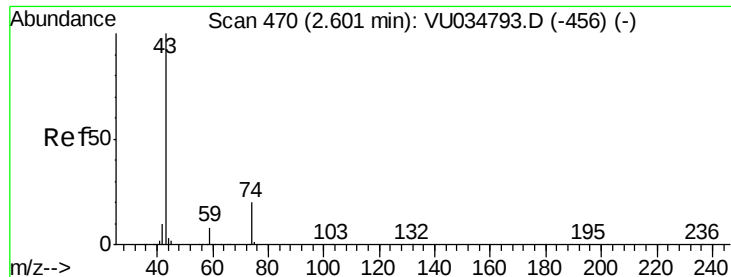
100000

0

2.40 2.45 2.50 2.55

Time-->

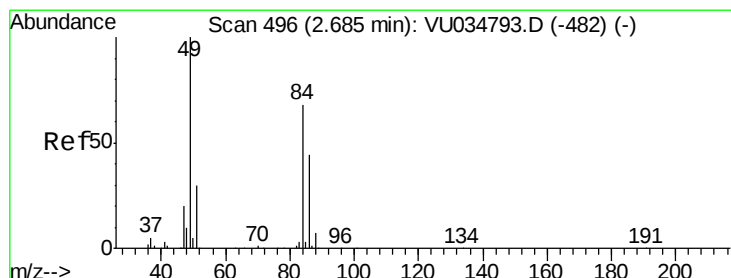
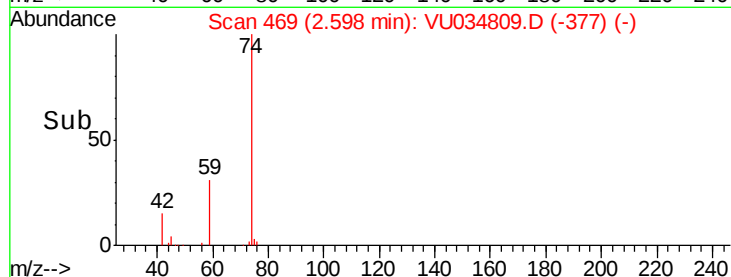
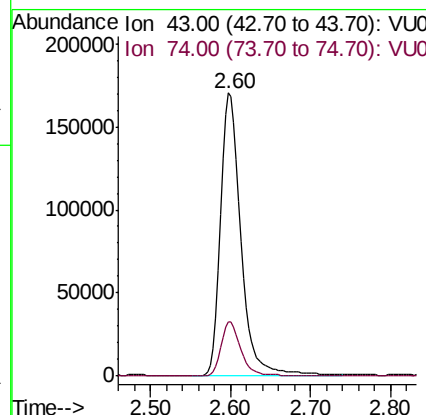
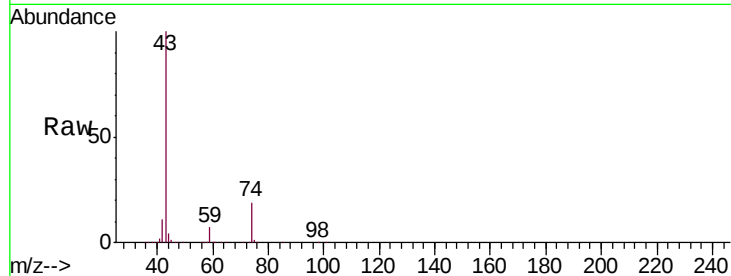




#15
Methyl Acetate
Concen: 56.421 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU034809.D
Acq: 25 Sep 2019 17:36

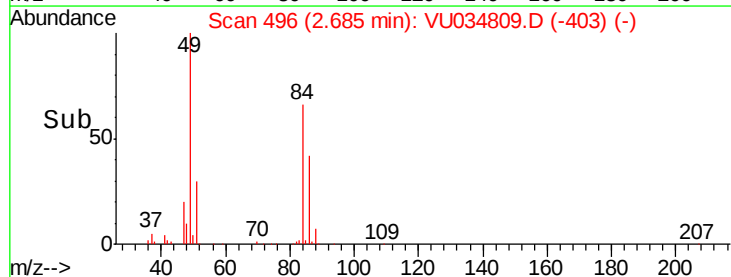
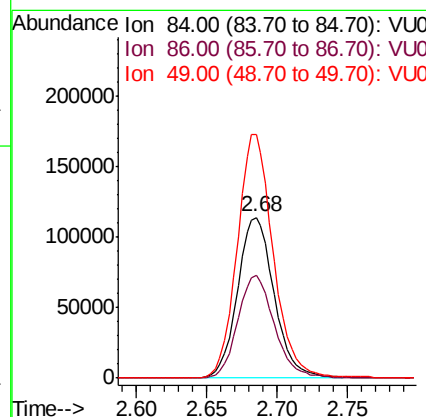
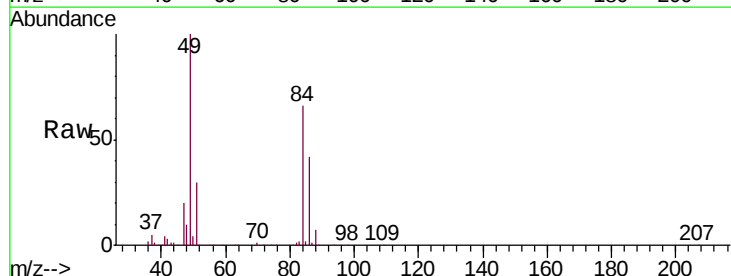
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

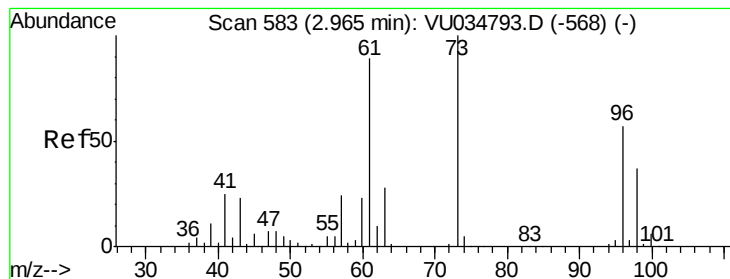
Tgt Ion: 43 Resp: 302891
Ion Ratio Lower Upper
43 100
74 18.5 14.4 21.6



#16
Methylene chloride
Concen: 56.739 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034809.D
Acq: 25 Sep 2019 17:36

Tgt Ion: 84 Resp: 207060
Ion Ratio Lower Upper
84 100
86 63.8 43.0 80.0
49 151.4 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 56.928 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

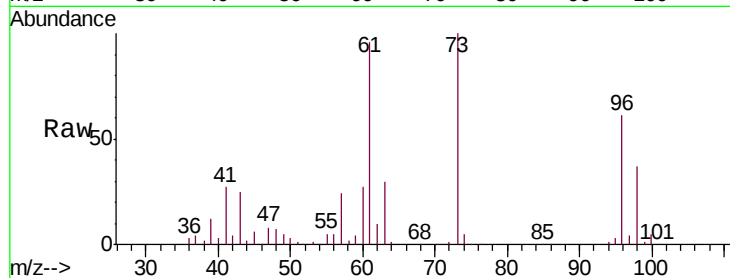
Tgt Ion: 96 Resp: 179314

Ion Ratio Lower Upper

96 100

61 157.4 124.0 230.4

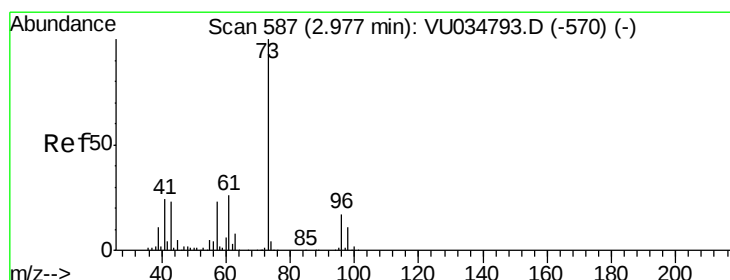
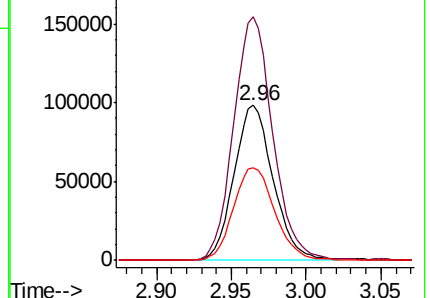
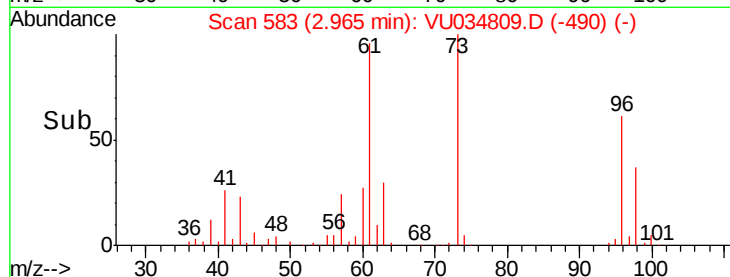
98 60.2 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU034809.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034809.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034809.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 54.652 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

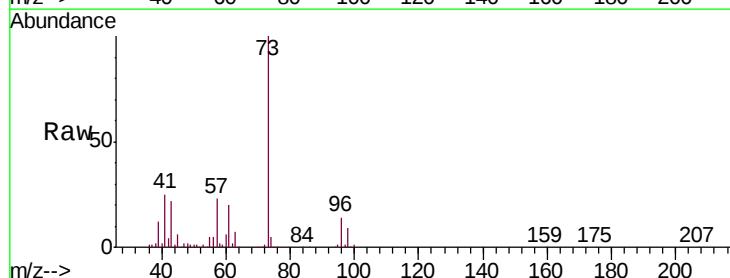
Tgt Ion: 73 Resp: 638652

Ion Ratio Lower Upper

73 100

43 23.3 20.9 31.3

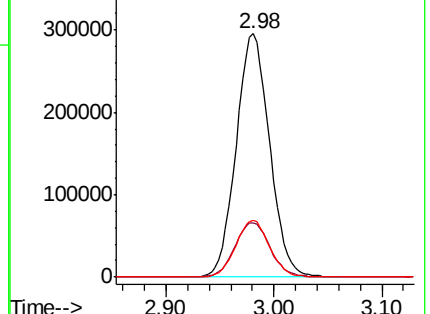
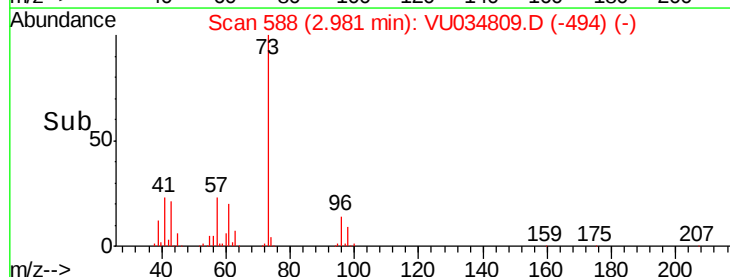
57 23.6 19.5 29.3

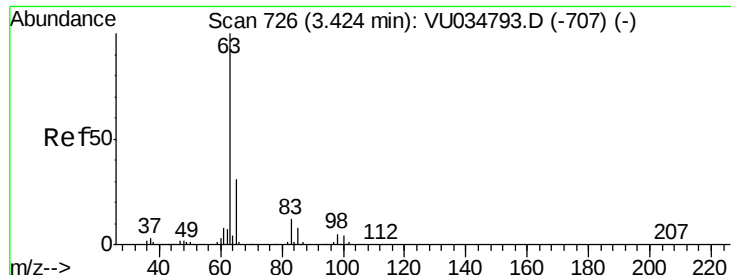


Abundance Ion 73.00 (72.70 to 73.70): VU034809.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU034809.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU034809.D (-494) (-)

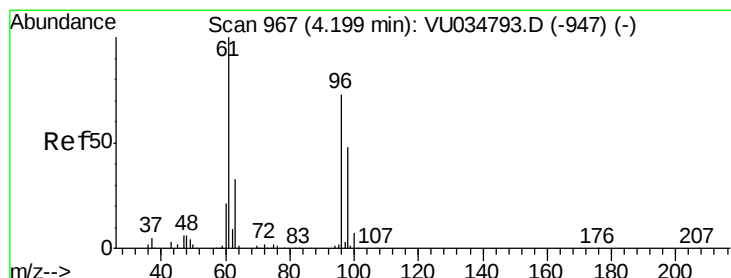
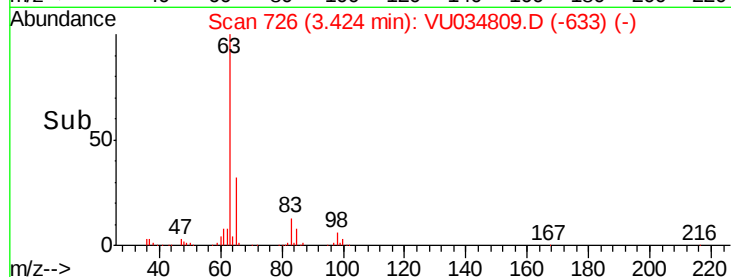
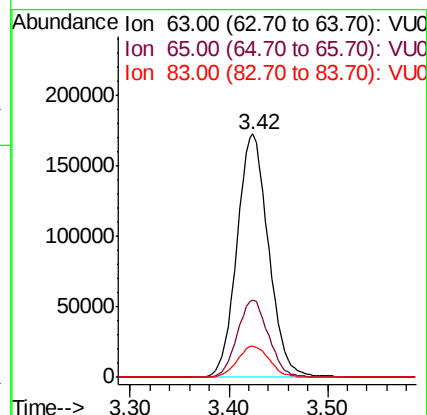
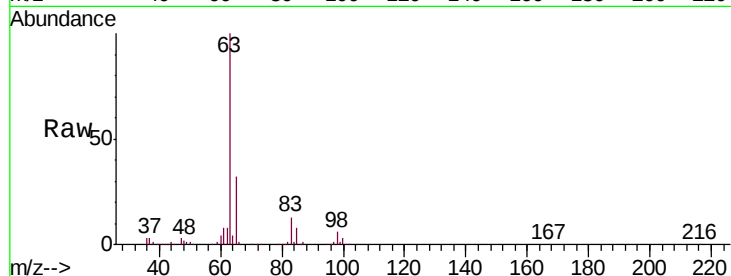




#19
 1,1-Dichloroethane
 Concen: 53.137 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

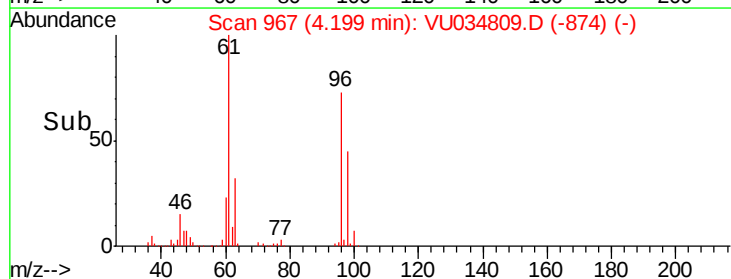
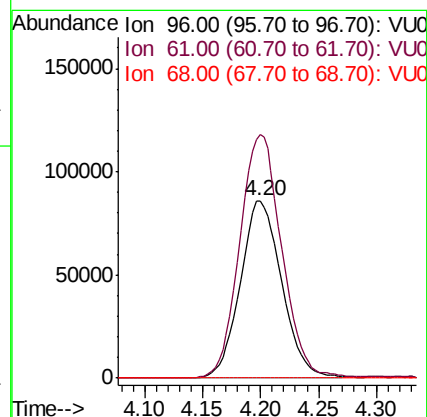
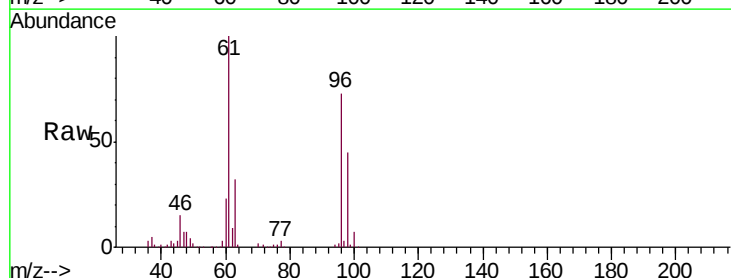
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

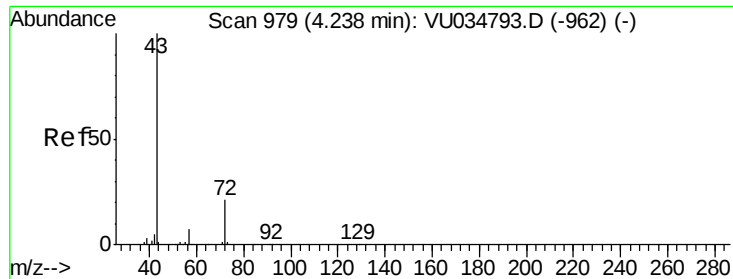
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	40.8
83	12.9	8.9	16.5



#20
 cis-1,2-Dichloroethene
 Concen: 57.814 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.4	108.8	202.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 94.040 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

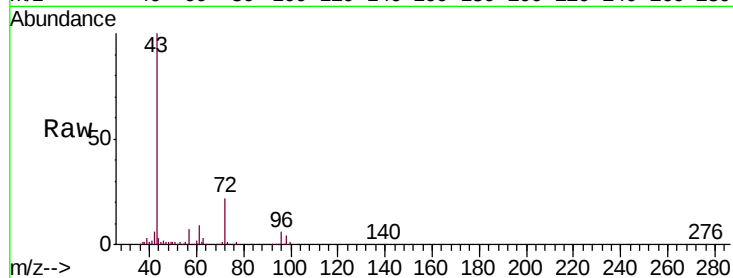
VSTD05046

Tgt Ion: 43 Resp: 449625

Ion Ratio Lower Upper

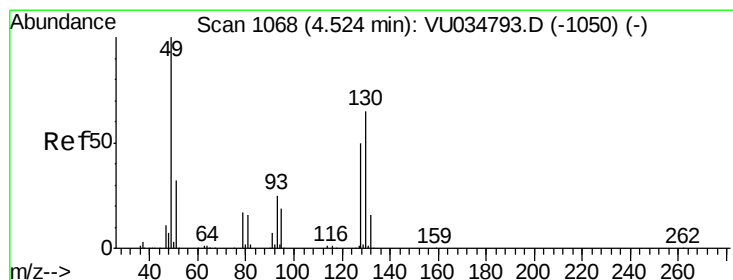
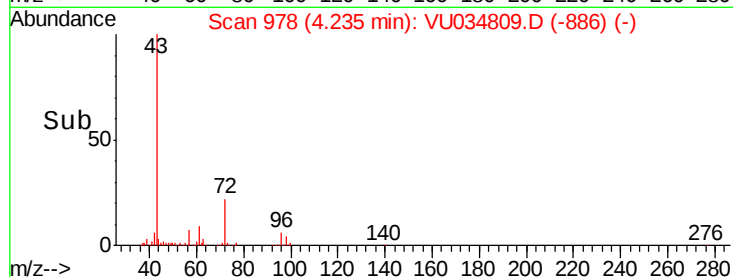
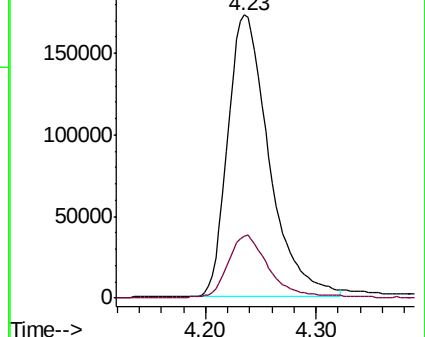
43 100

72 22.2 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034809.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034809.D (-962) (-)



#23

Bromochloromethane

Concen: 57.092 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Tgt Ion: 128 Resp: 100643

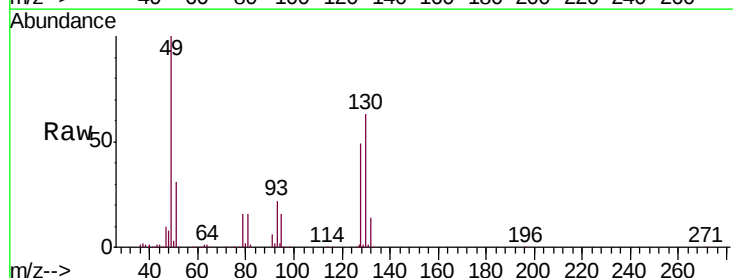
Ion Ratio Lower Upper

128 100

49 203.8 154.3 286.7

130 128.7 83.0 154.2

51 62.9 56.4 84.6

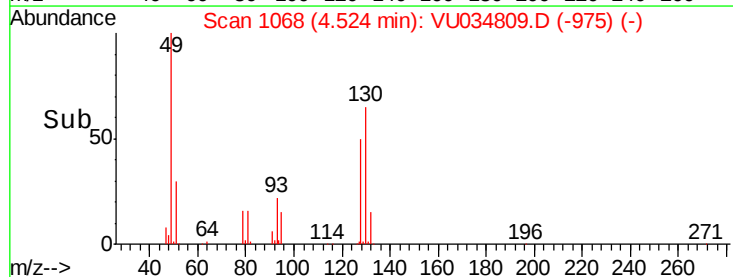
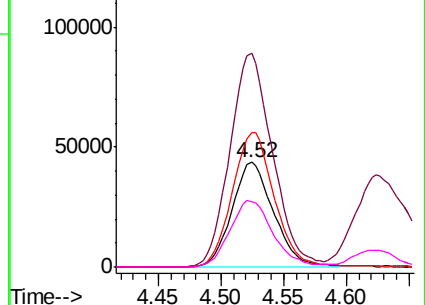


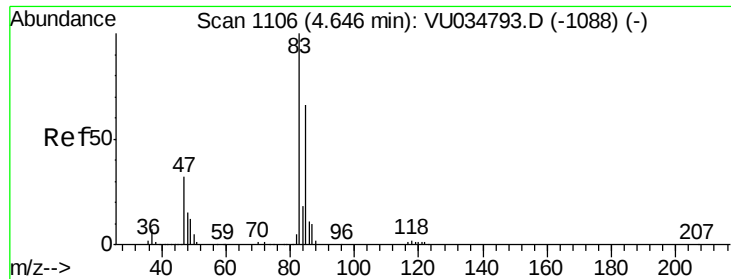
Abundance Ion 128.00 (127.70 to 128.70): VU034809.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VU034809.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VU034809.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VU034809.D (-975) (-)





#25

Chloroform

Concen: 51.824 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

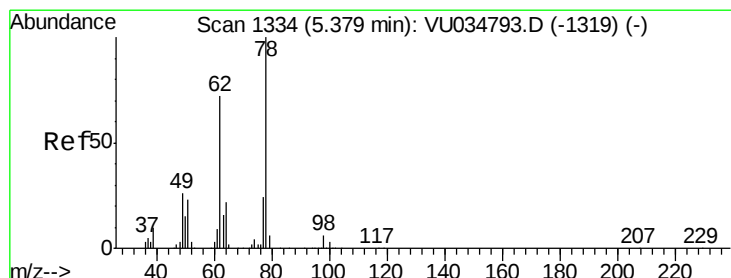
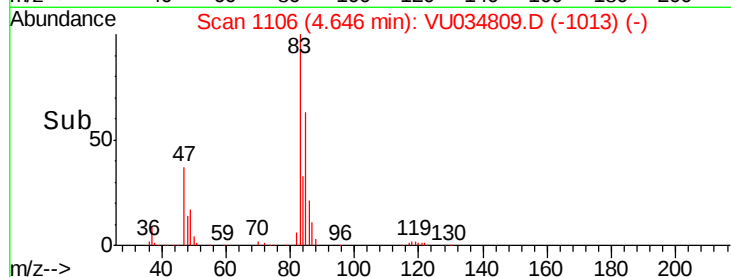
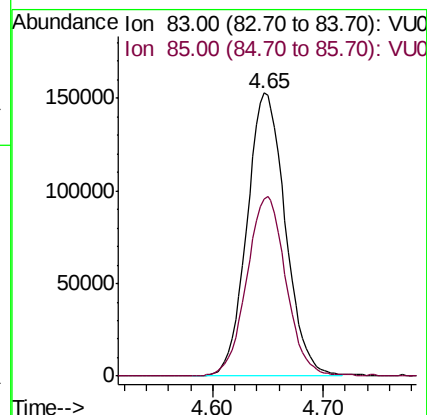
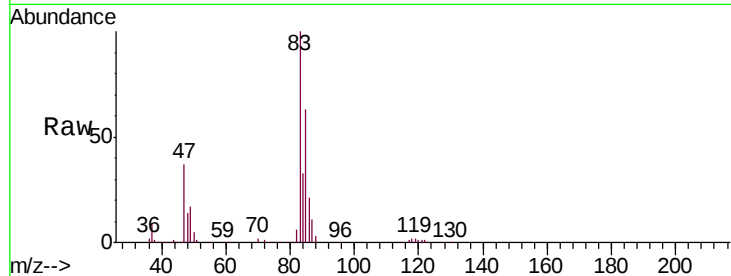
VSTD05046

Tgt Ion: 83 Resp: 368750

Ion Ratio Lower Upper

83 100

85 62.6 44.0 81.6



#27

1,2-Dichloroethane

Concen: 50.700 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034809.D

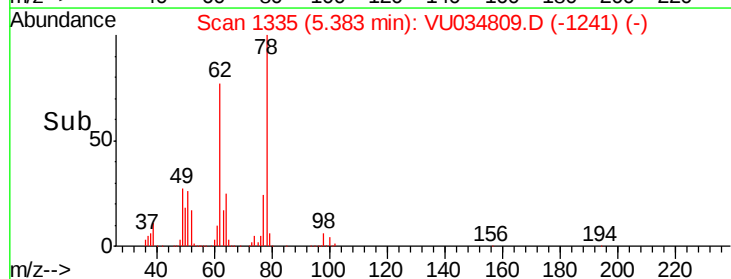
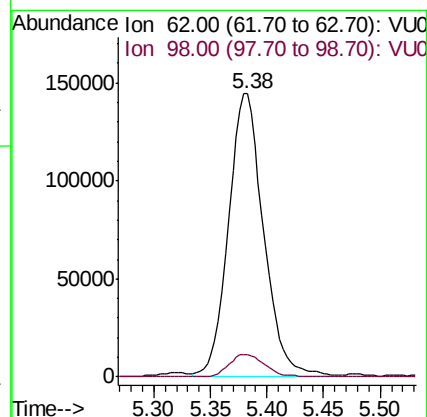
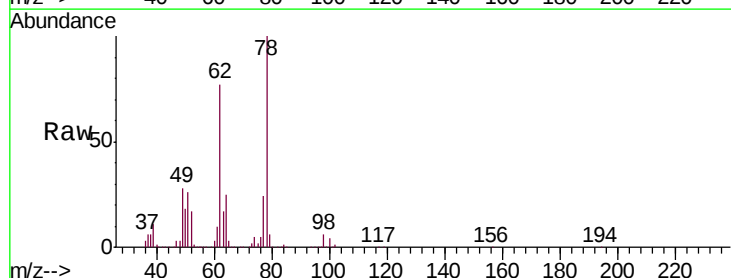
Acq: 25 Sep 2019 17:36

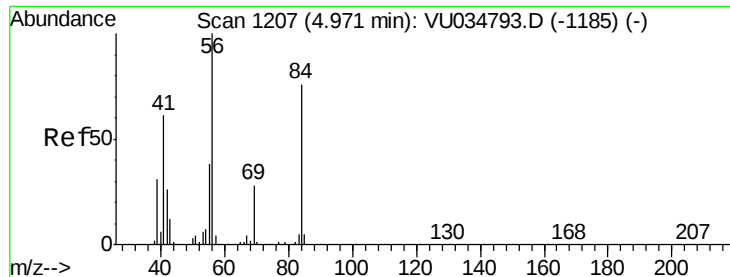
Tgt Ion: 62 Resp: 311632

Ion Ratio Lower Upper

62 100

98 7.7 5.3 7.9

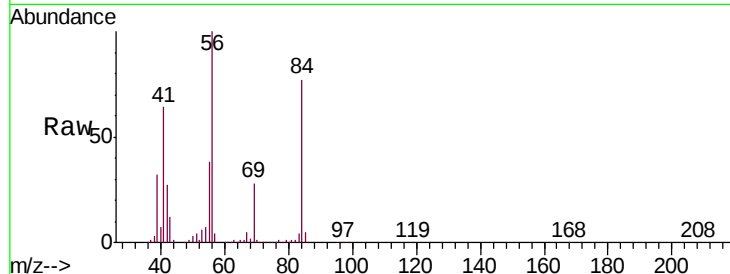




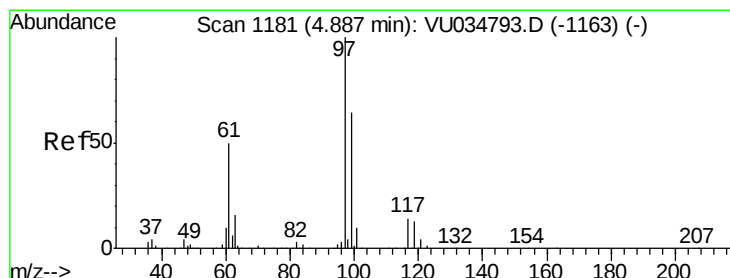
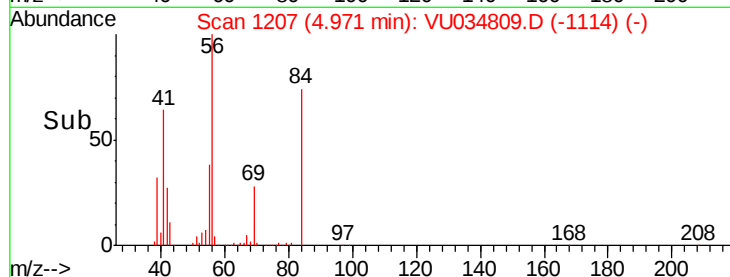
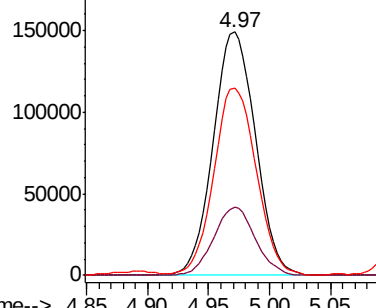
#29
Cyclohexane
Concen: 51.982 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034809.D
Acq: 25 Sep 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.6	21.7	32.5
84	76.8	58.8	88.2

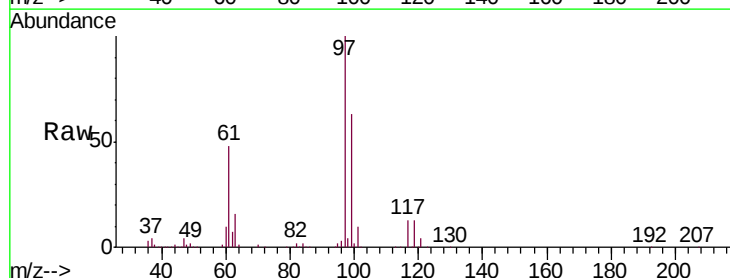


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

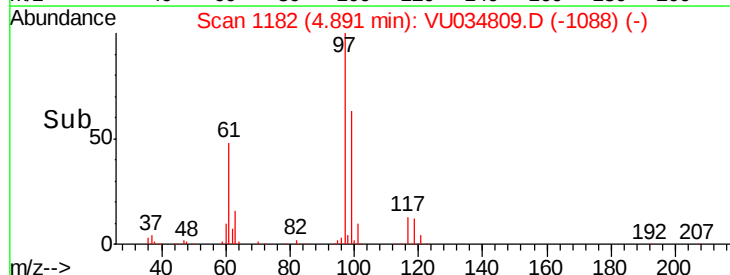
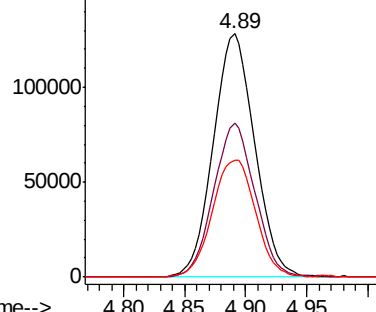


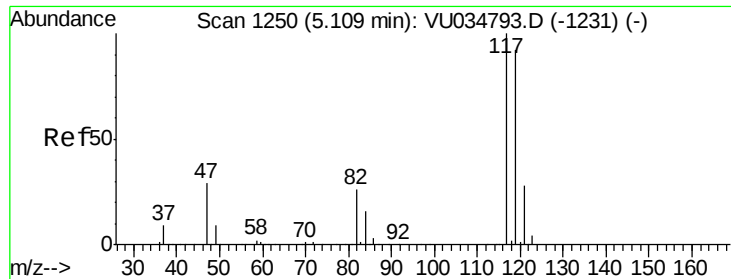
#30
1,1,1-Trichloroethane
Concen: 53.029 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034809.D
Acq: 25 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.8	77.8
61	49.8	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: 52.416 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

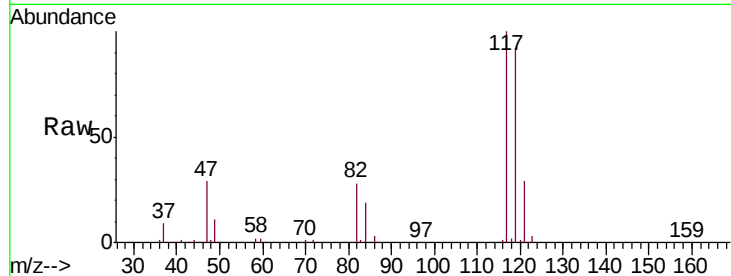
VSTD05046

Tgt Ion:117 Resp: 253635

Ion Ratio Lower Upper

117 100

119 94.6 74.8 112.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

120000

100000

80000

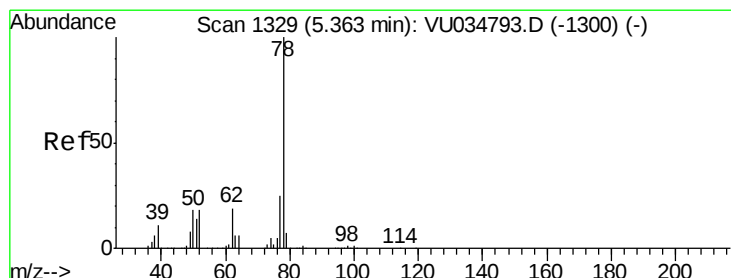
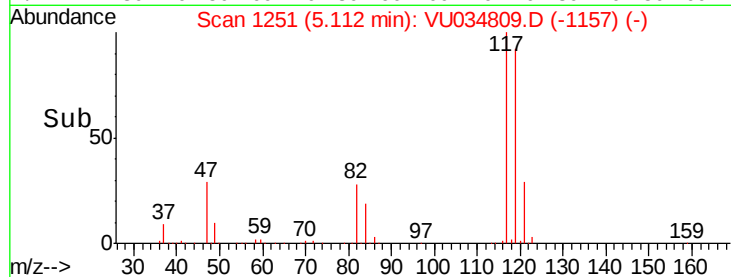
60000

40000

20000

0

Time--> 5.00 5.05 5.10 5.15 5.20



#33

Benzene

Concen: 56.612 ug/L

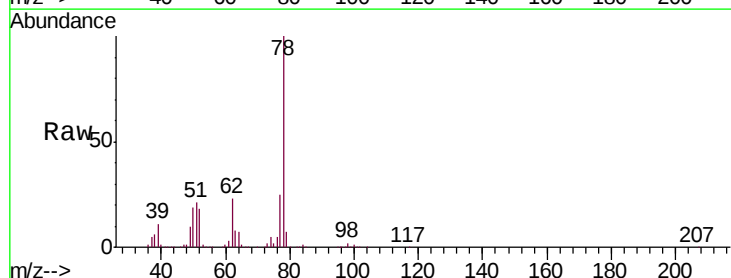
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Tgt Ion: 78 Resp: 819058



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.37

400000

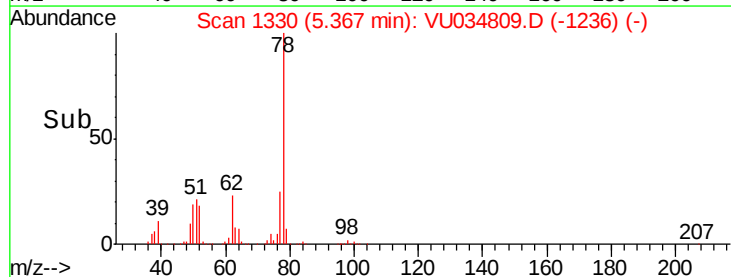
300000

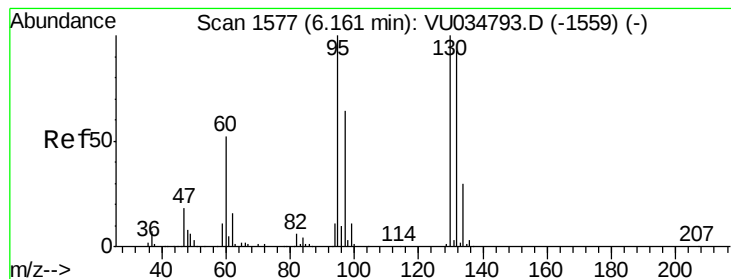
200000

100000

0

Time--> 5.30 5.40





#34

Trichloroethene

Concen: 57.336 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 95 Resp: 204868

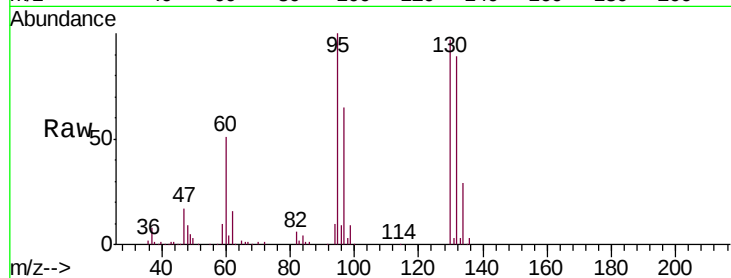
Ion Ratio Lower Upper

95 100

97 64.6 43.7 81.1

132 89.2 61.0 113.2

130 96.6 65.7 121.9

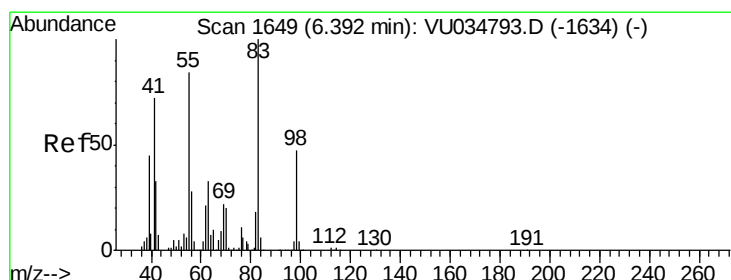
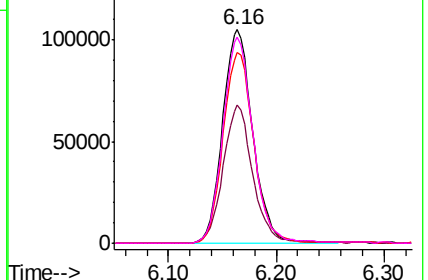
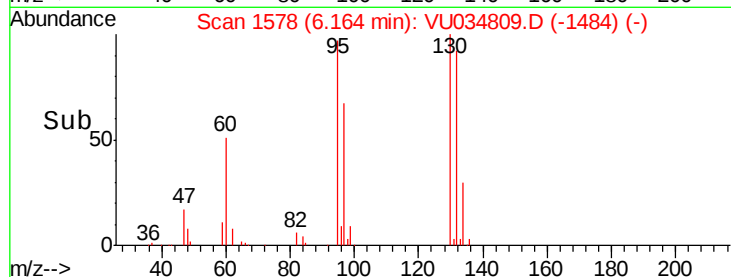


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 53.800 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

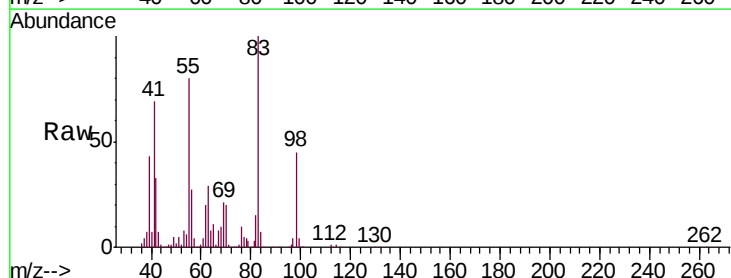
Tgt Ion: 83 Resp: 326223

Ion Ratio Lower Upper

83 100

55 80.8 71.6 107.4

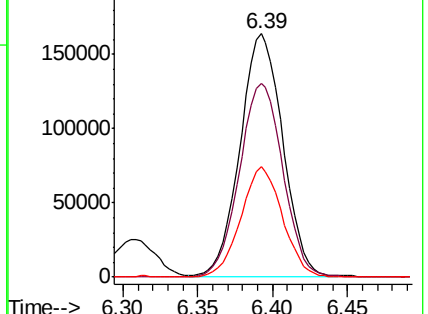
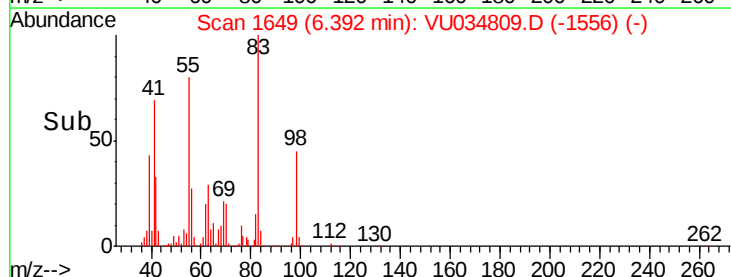
98 44.1 35.7 53.5

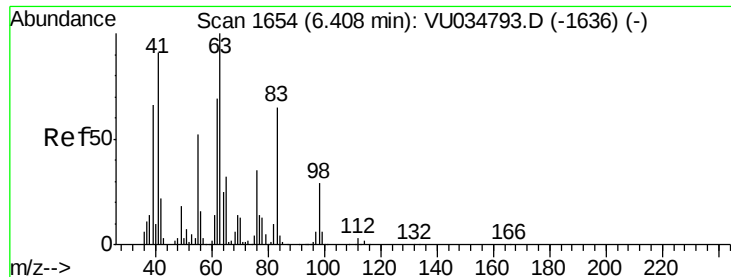


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

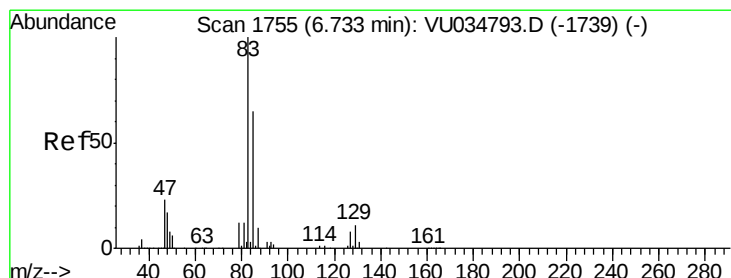
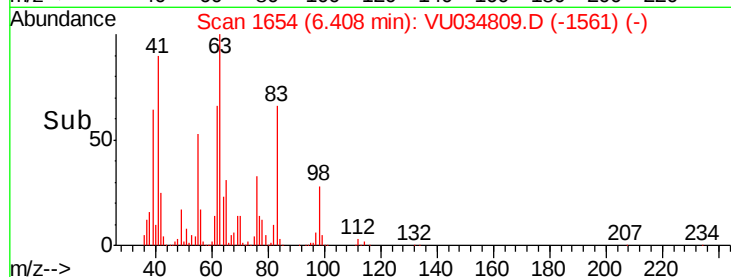
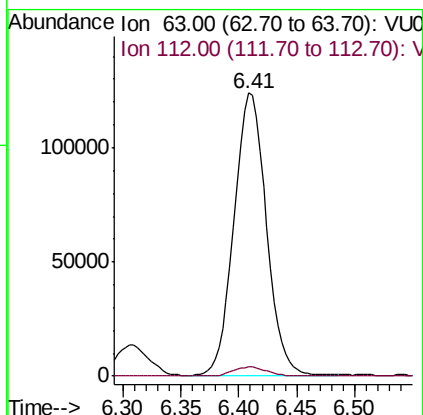
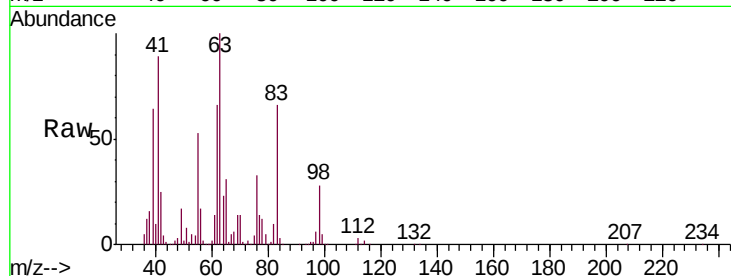




#37
 1,2-Dichloropropane
 Concen: 55.687 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

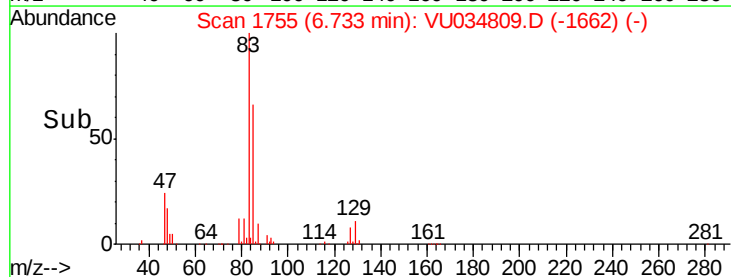
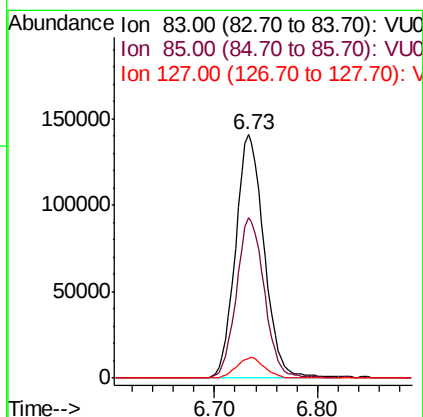
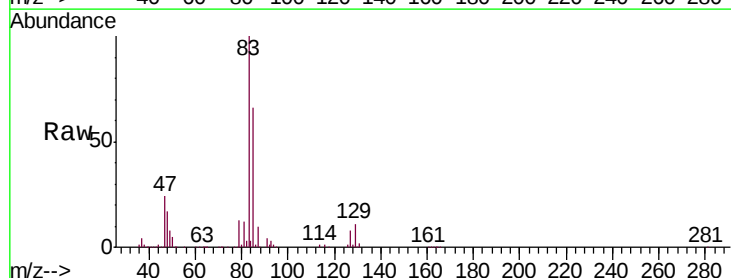
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

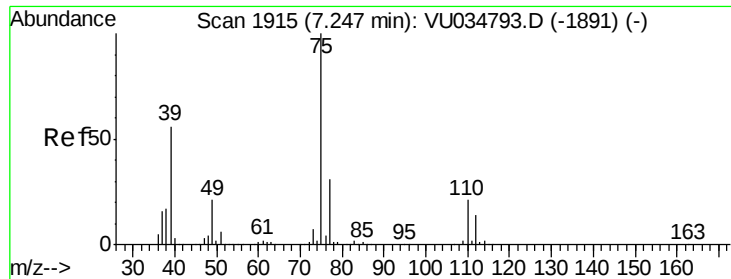
Tgt Ion: 63 Resp: 239899
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.4 3.6



#38
 Bromodichloromethane
 Concen: 51.905 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Tgt Ion: 83 Resp: 271171
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.5 84.5
 127 8.3 6.1 9.1

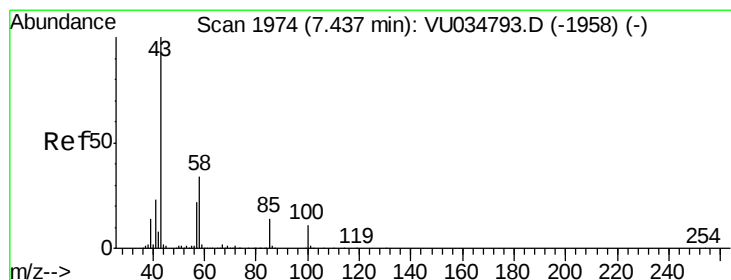
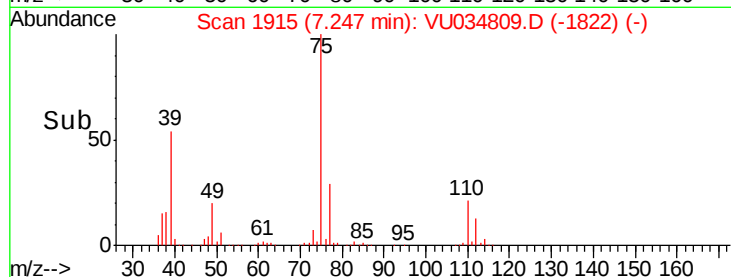
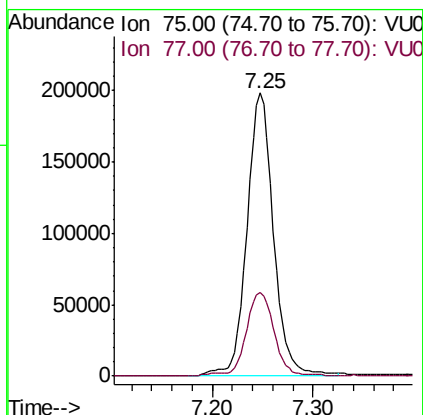
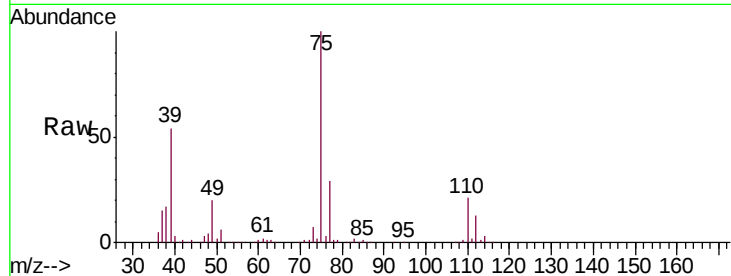




#39
 cis-1,3-Dichloropropene
 Concen: 55.722 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

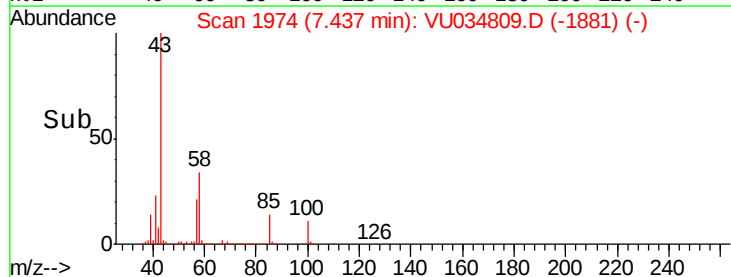
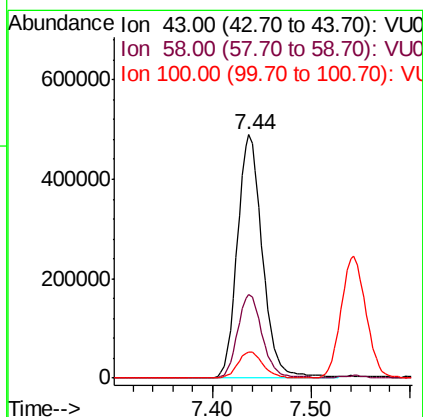
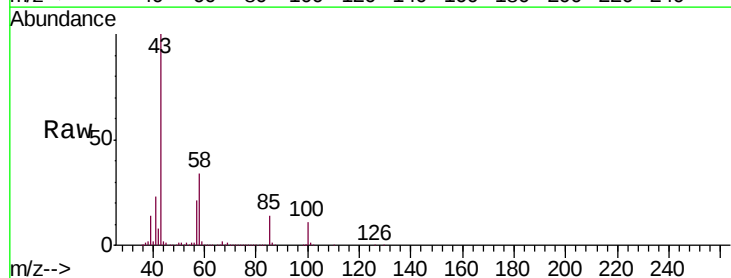
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

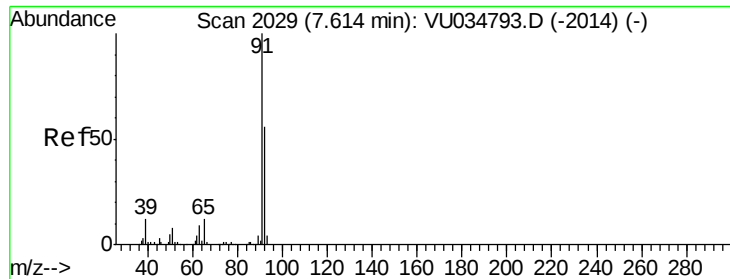
Tgt Ion: 75 Resp: 360689
 Ion Ratio Lower Upper
 75 100
 77 29.5 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 104.691 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Tgt Ion: 43 Resp: 861051
 Ion Ratio Lower Upper
 43 100
 58 34.0 25.2 37.8
 100 10.9 7.7 11.5





#42

Toluene

Concen: 57.065 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

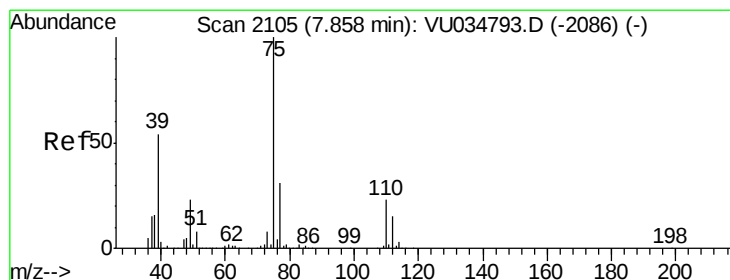
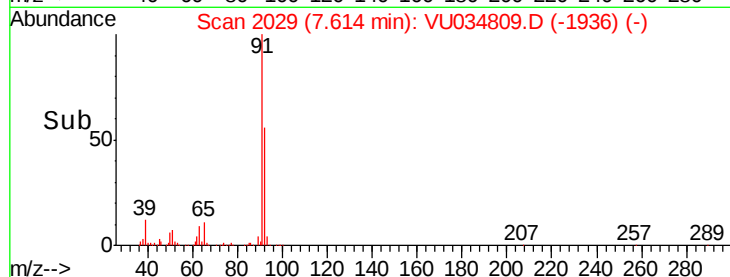
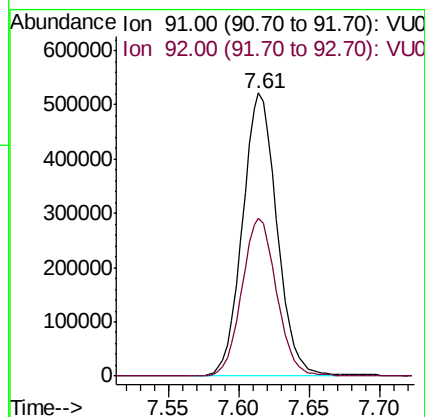
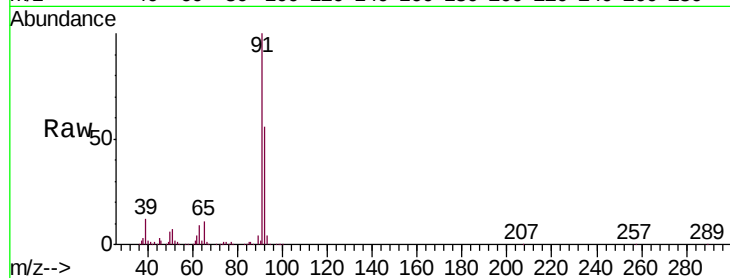
VSTD05046

Tgt Ion: 91 Resp: 892254

Ion Ratio Lower Upper

91 100

92 56.0 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 53.933 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034809.D

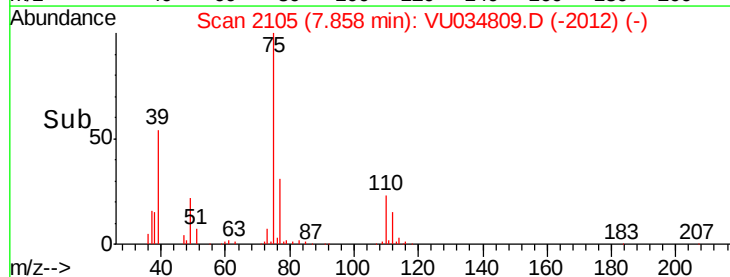
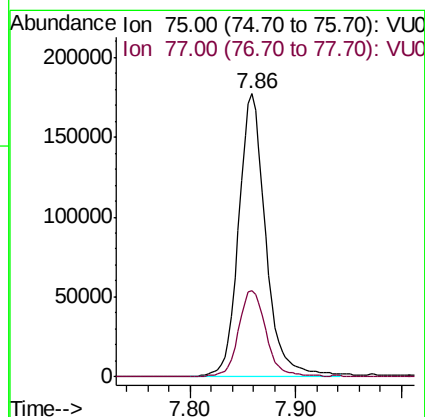
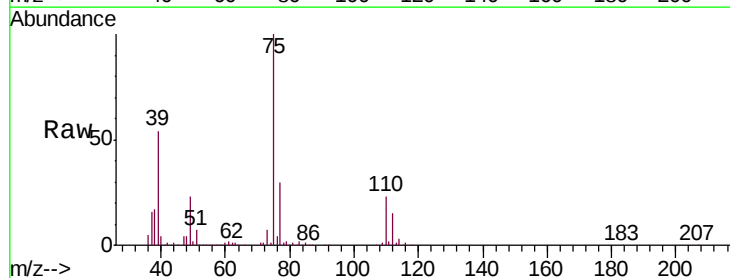
Acq: 25 Sep 2019 17:36

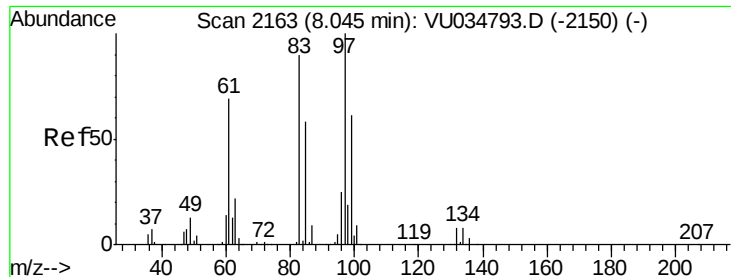
Tgt Ion: 75 Resp: 314721

Ion Ratio Lower Upper

75 100

77 30.5 21.4 39.8

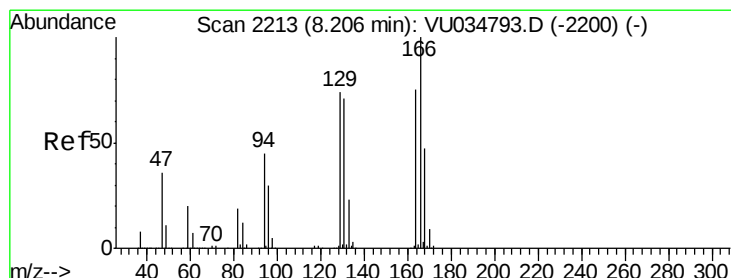
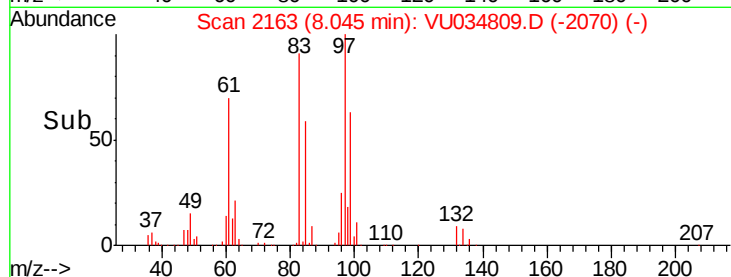
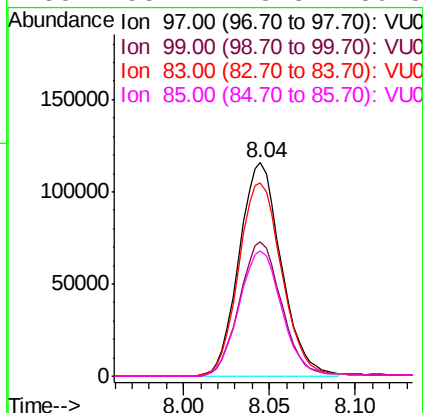
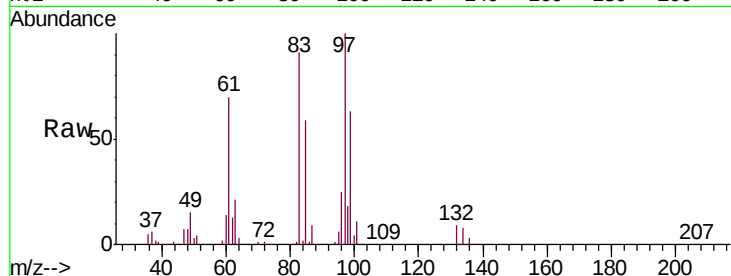




#45
 1,1,2-Trichloroethane
 Concen: 57.279 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

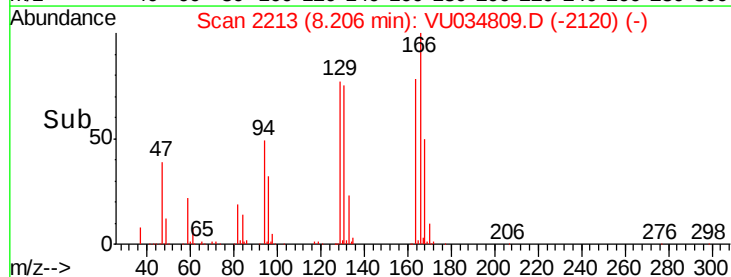
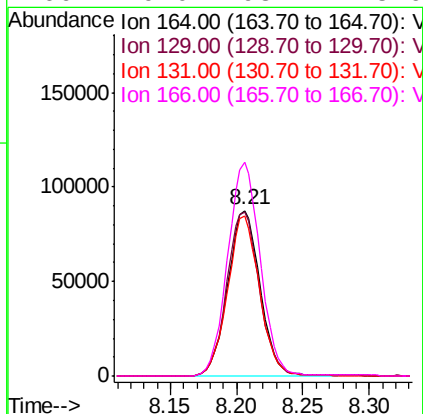
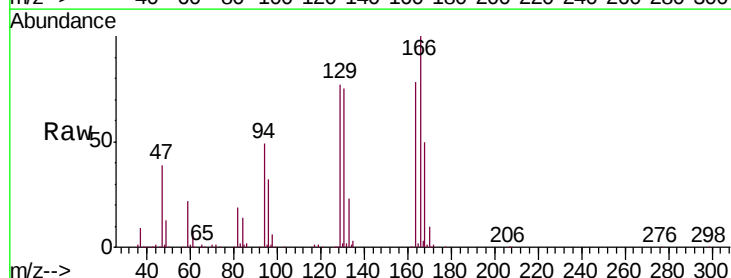
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

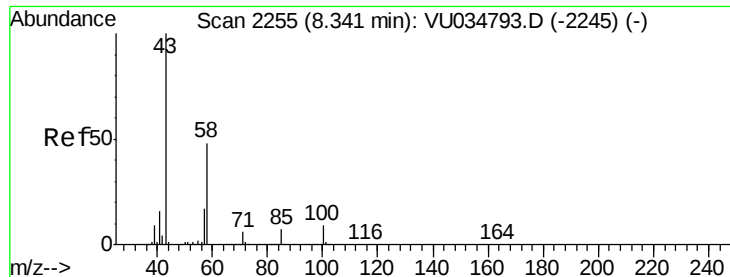
Tgt Ion:	97	Resp:	197654
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.6	81.0
83	90.7	66.9	124.3
85	58.7	43.3	80.3



#46
 Tetrachloroethene
 Concen: 59.248 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Tgt Ion:	164	Resp:	148912
Ion	Ratio	Lower	Upper
164	100		
129	99.0	71.9	133.5
131	96.4	66.3	123.1
166	129.0	93.4	173.6

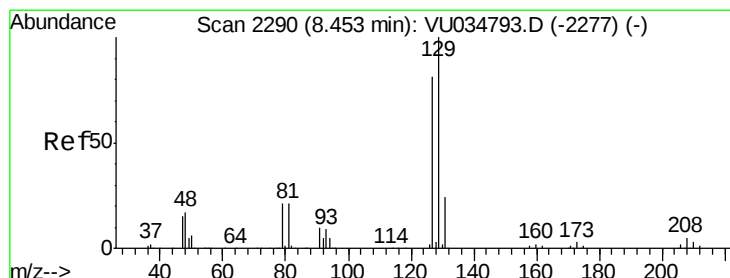
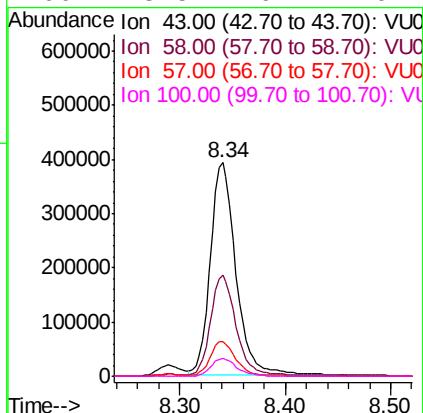
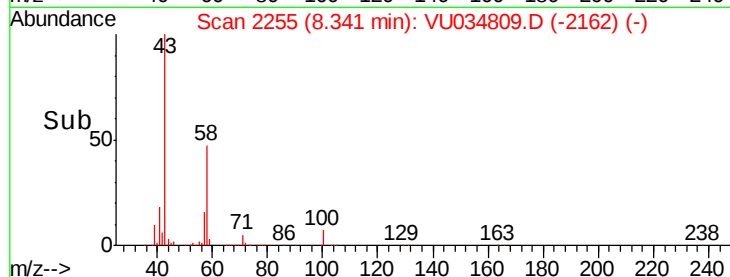
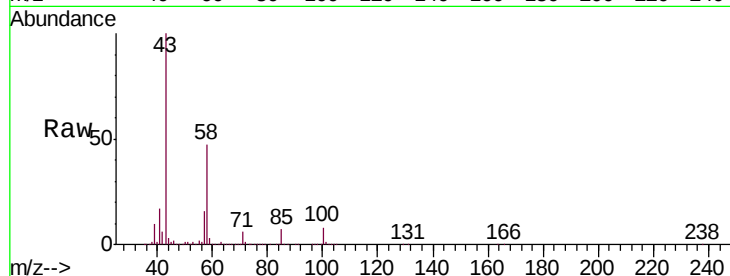




#48
 2-Hexanone
 Concen: 102.758 ug/L
 RT: 8.34 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

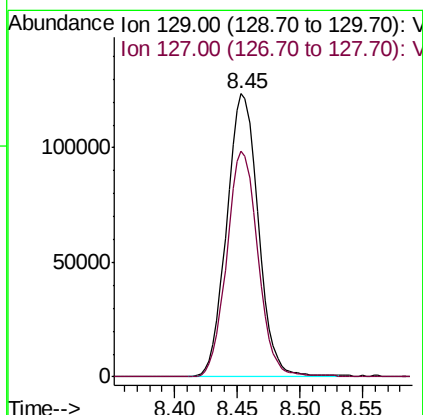
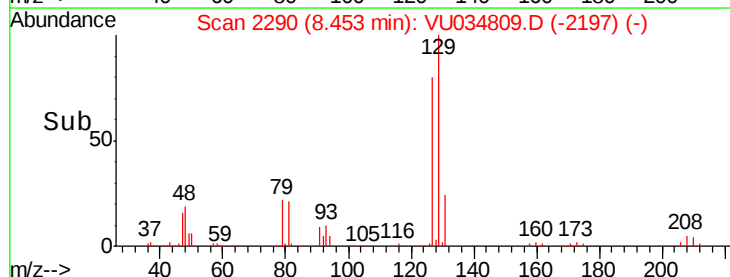
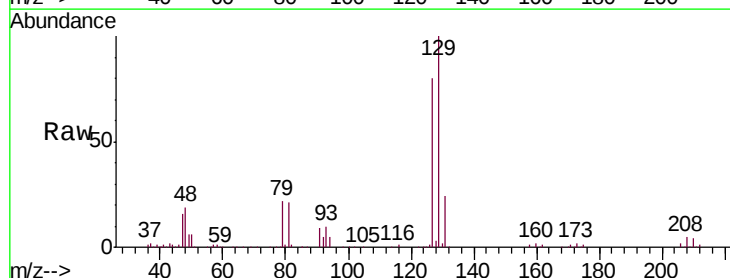
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

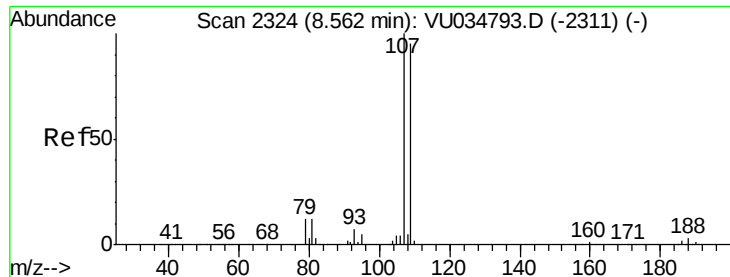
Tgt Ion:	43	Resp:	660084
Ion	Ratio	Lower	Upper
43	100		
58	47.6	35.3	52.9
57	15.6	12.1	18.1
100	8.5	6.2	9.4



#49
 Dibromochloromethane
 Concen: 56.440 ug/L
 RT: 8.45 min Scan# 2290
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Tgt Ion:	129	Resp:	217089
Ion	Ratio	Lower	Upper
129	100		
127	79.9	55.5	103.1

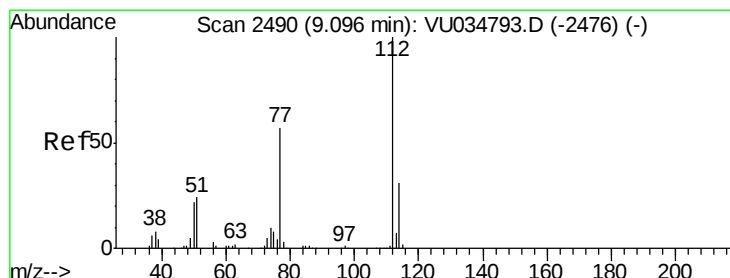
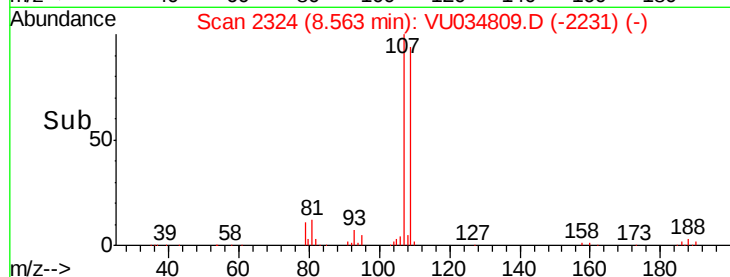
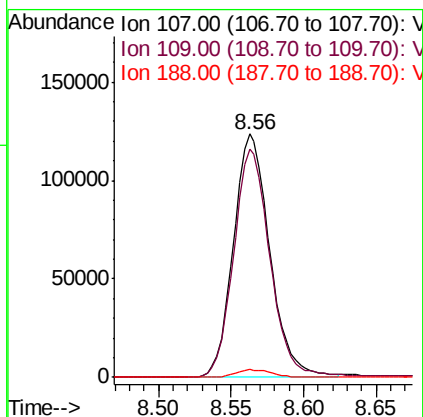
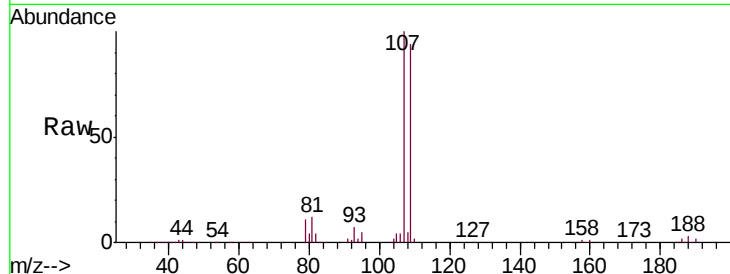




#50
1,2-Dibromoethane
Concen: 57.920 ug/L
RT: 8.56 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU034809.D
Acq: 25 Sep 2019 17:36

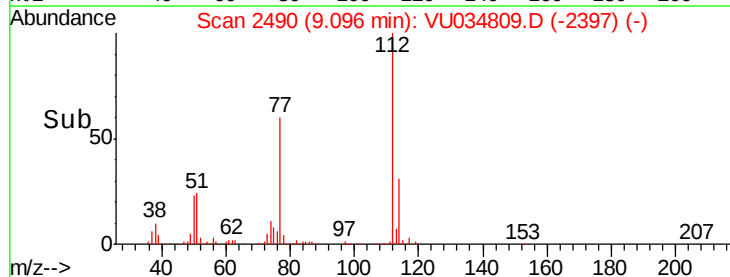
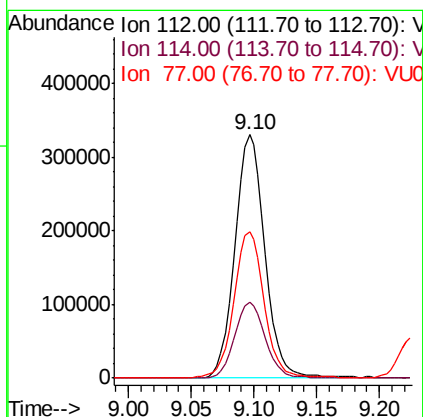
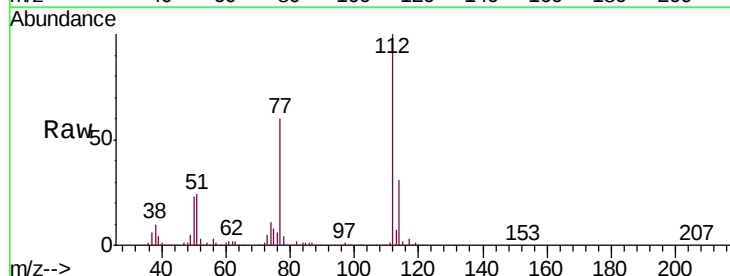
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

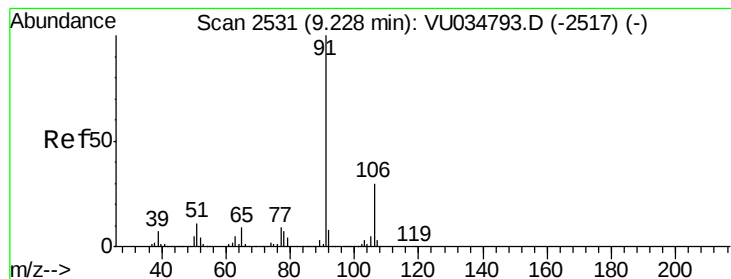
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.5	121.6
188	3.1	2.7	4.1



#51
Chlorobenzene
Concen: 57.558 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034809.D
Acq: 25 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.8	42.4
77	60.1	51.5	77.3





#52

Ethylbenzene

Concen: 55.594 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

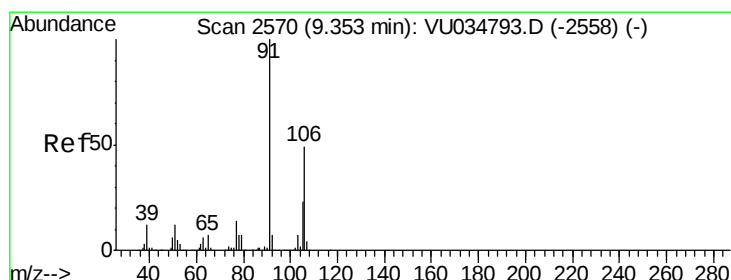
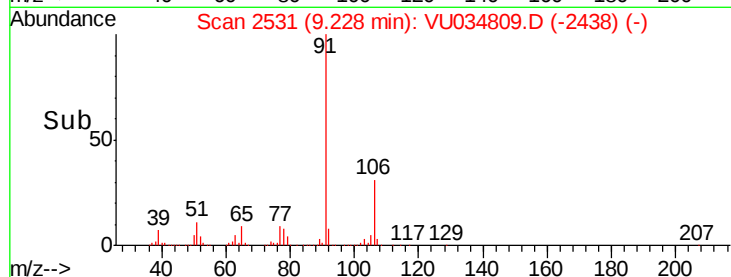
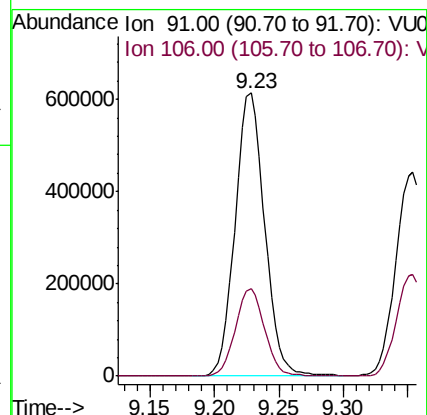
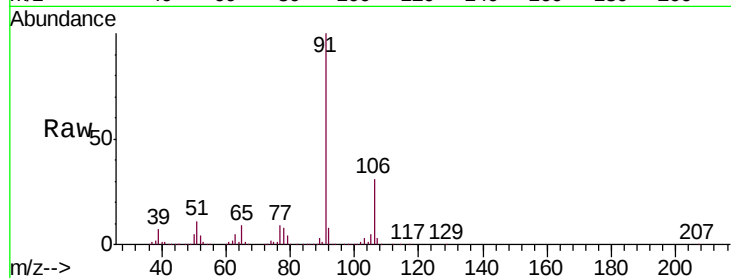
VSTD05046

Tgt Ion: 91 Resp: 978859

Ion Ratio Lower Upper

91 100

106 30.7 20.6 38.4



#53

m,p-Xylene

Concen: 58.432 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034809.D

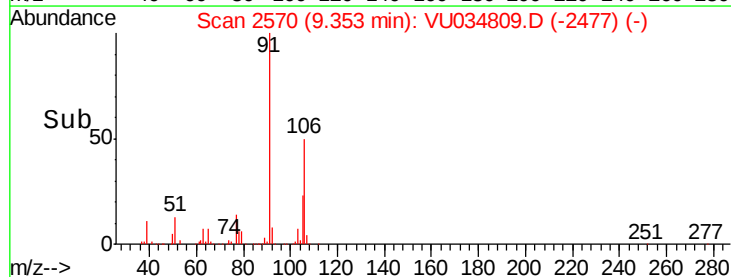
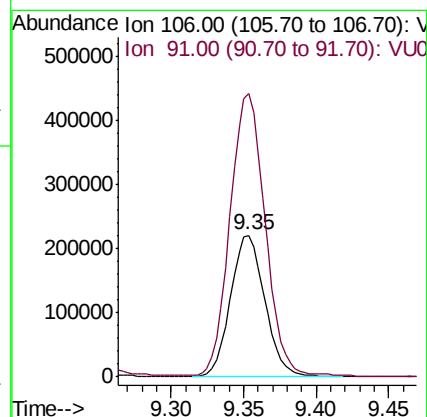
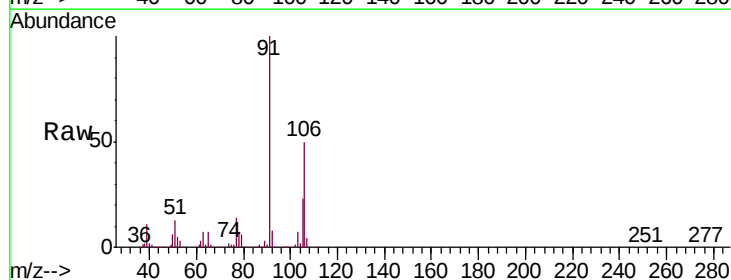
Acq: 25 Sep 2019 17:36

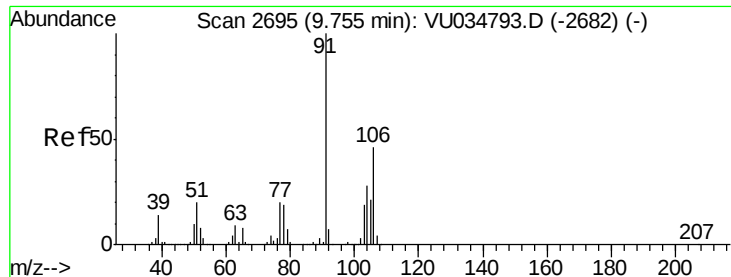
Tgt Ion: 106 Resp: 364402

Ion Ratio Lower Upper

106 100

91 200.3 146.9 272.7





#54

o-xylene

Concen: 58.273 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

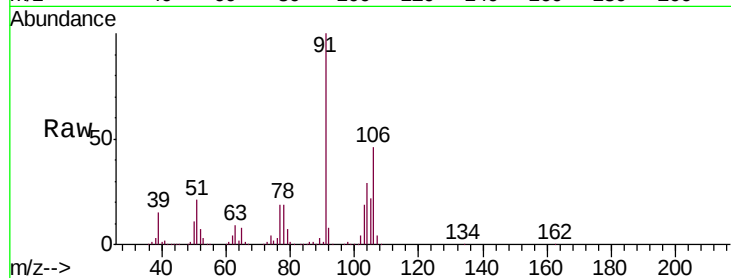
VSTD05046

Tgt Ion:106 Resp: 359449

Ion Ratio Lower Upper

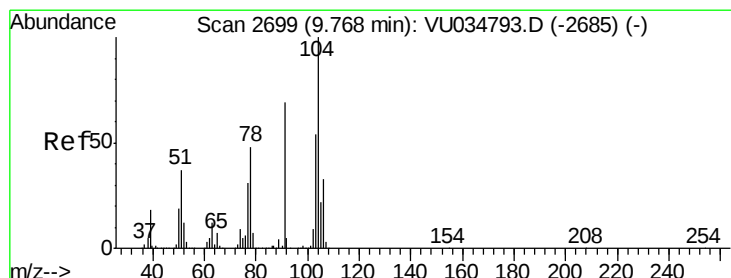
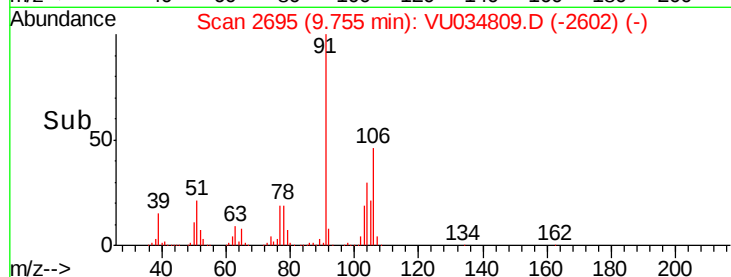
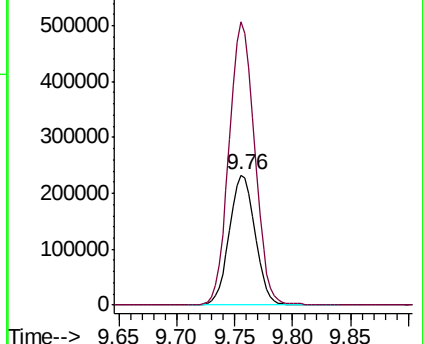
106 100

91 217.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 58.748 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VU034809.D

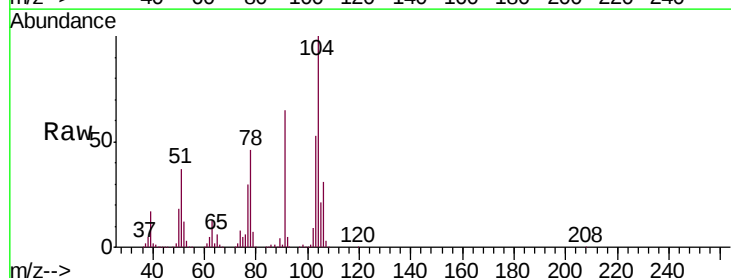
Acq: 25 Sep 2019 17:36

Tgt Ion:104 Resp: 613396

Ion Ratio Lower Upper

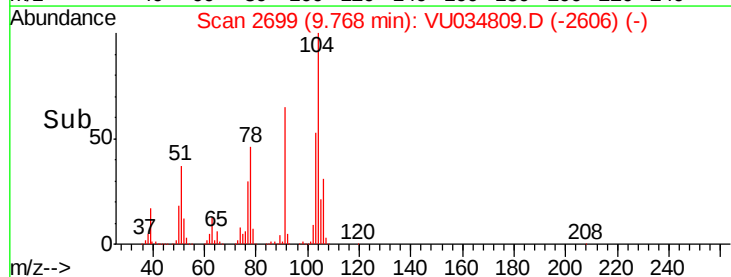
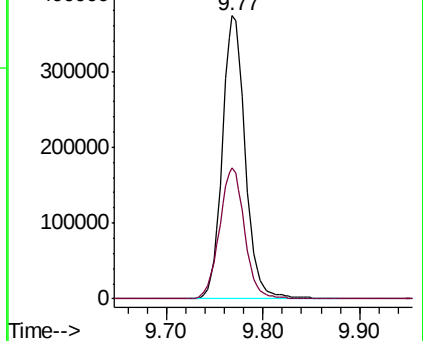
104 100

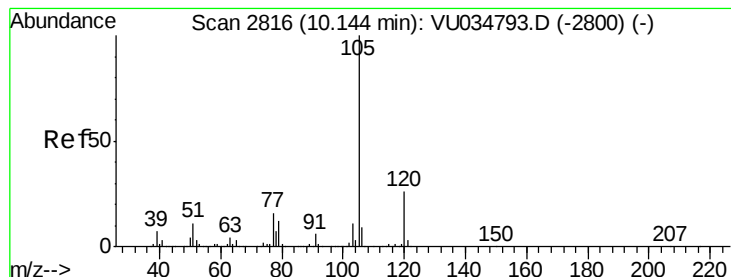
78 46.5 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 56.664 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

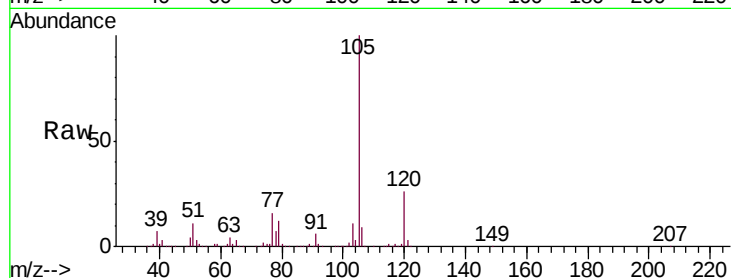
Tgt Ion: 105 Resp: 942429

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

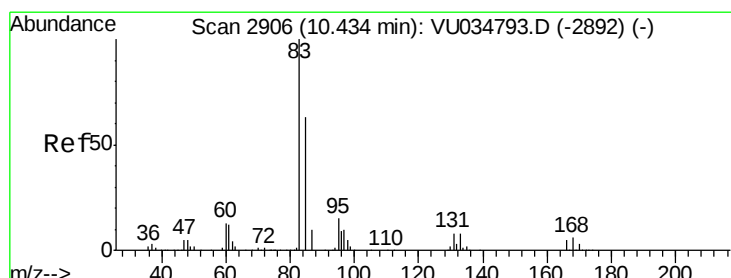
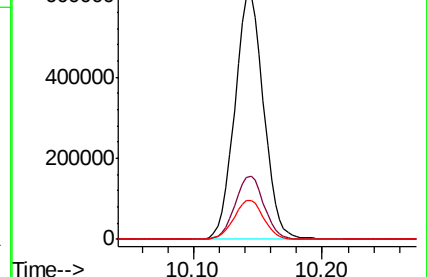
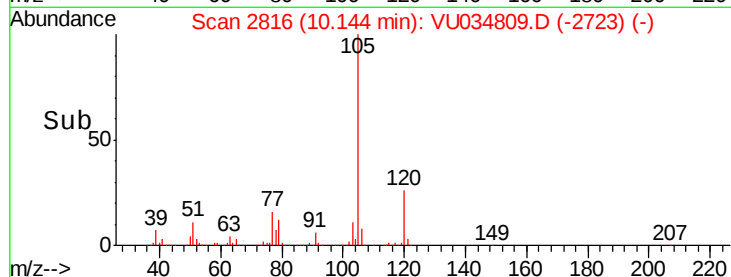
77 16.4 14.2 21.4



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: 55.528 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

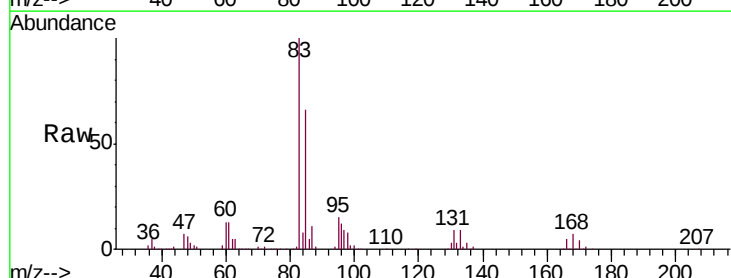
Tgt Ion: 83 Resp: 368030

Ion Ratio Lower Upper

83 100

85 65.8 44.6 82.8

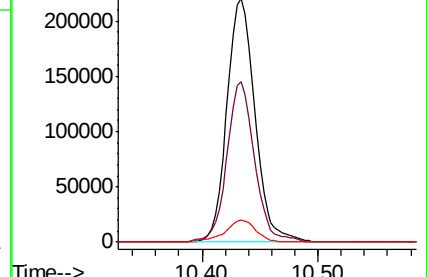
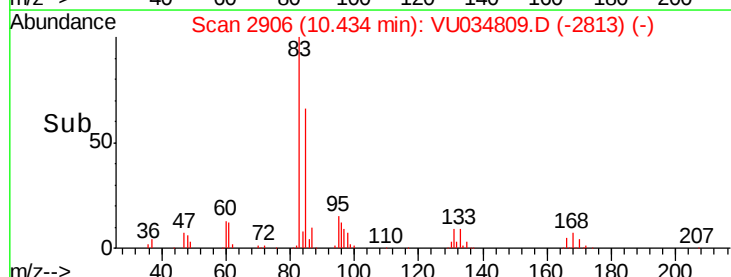
131 8.9 6.6 10.0

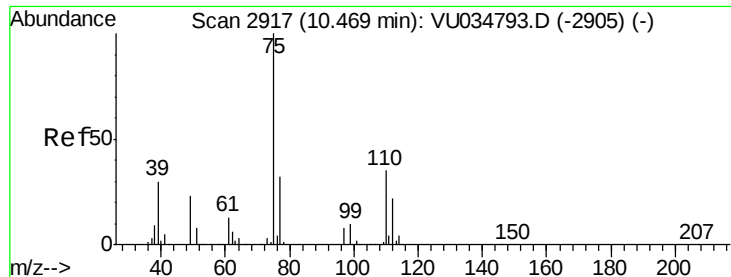


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

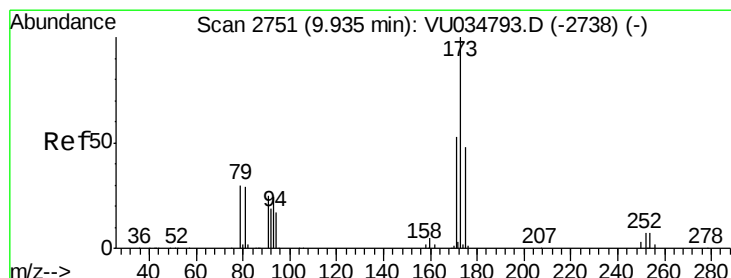
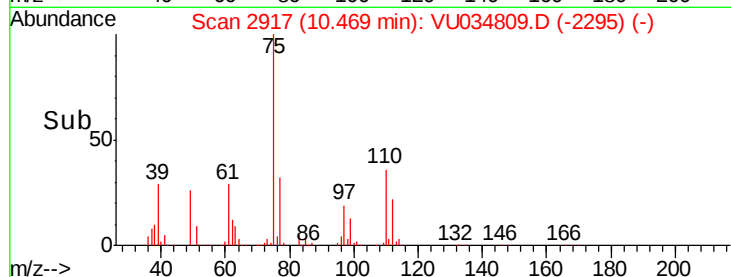
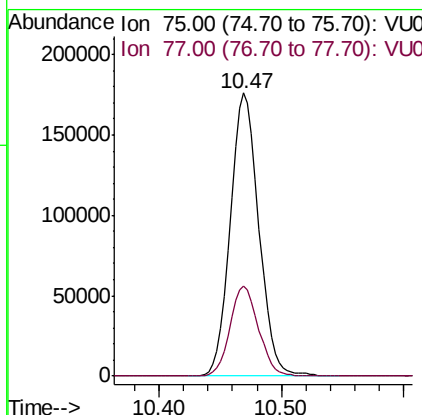
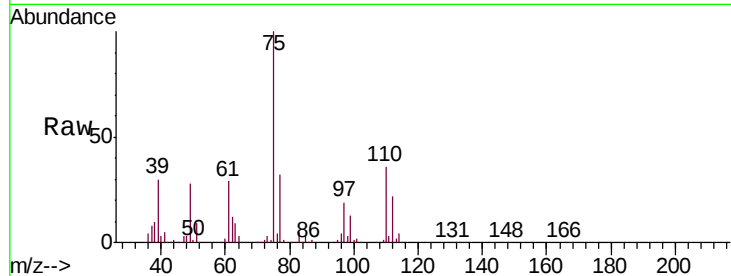




#59
 1,2,3-Trichloropropane
 Concen: 53.452 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

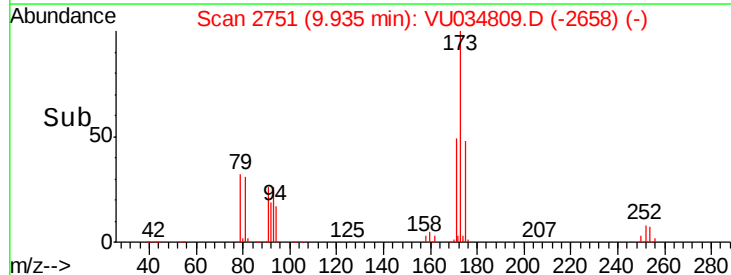
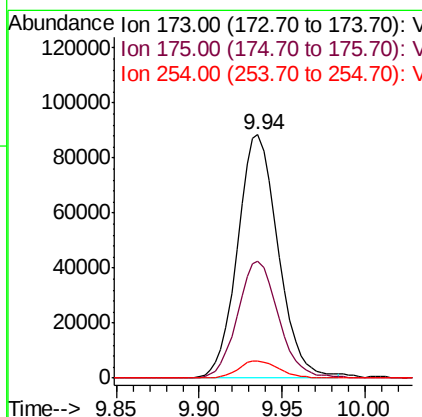
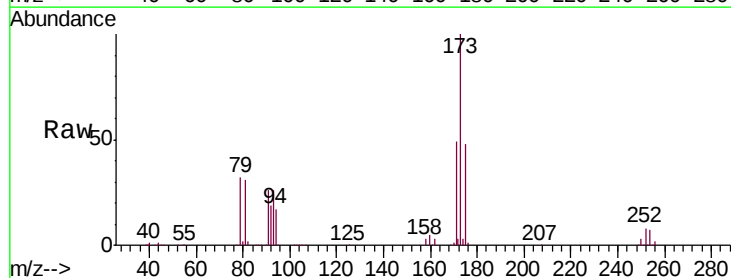
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

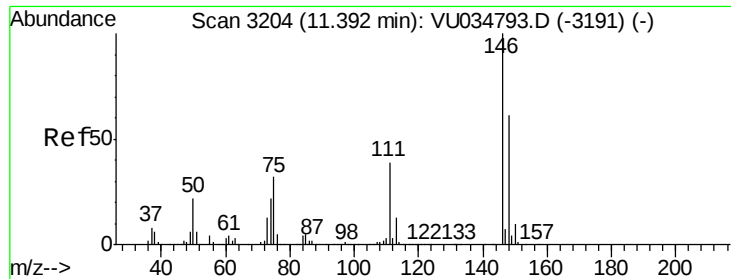
Tgt Ion: 75 Resp: 287602
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0



#61
 Bromoform
 Concen: 52.437 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Tgt Ion: 173 Resp: 150607
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 7.0 5.3 7.9





#62

1,3-Dichlorobenzene

Concen: 57.350 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

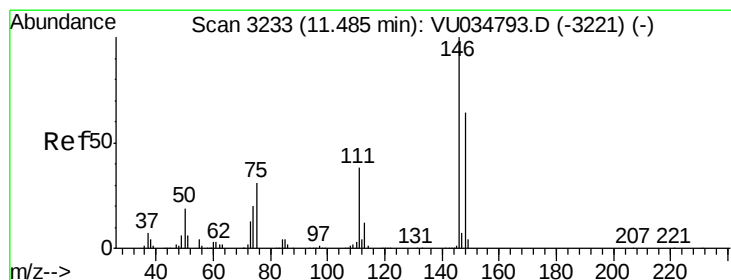
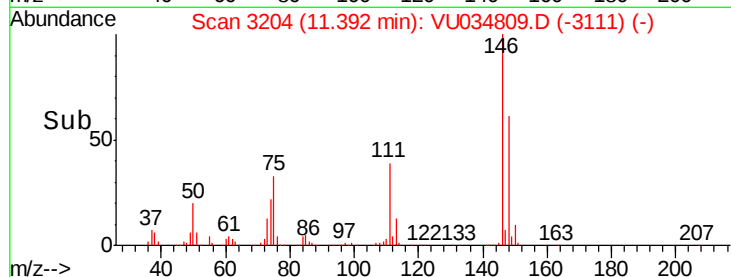
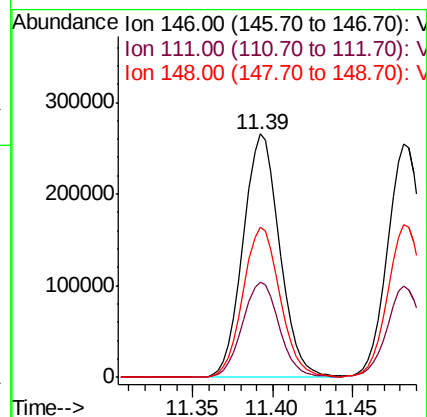
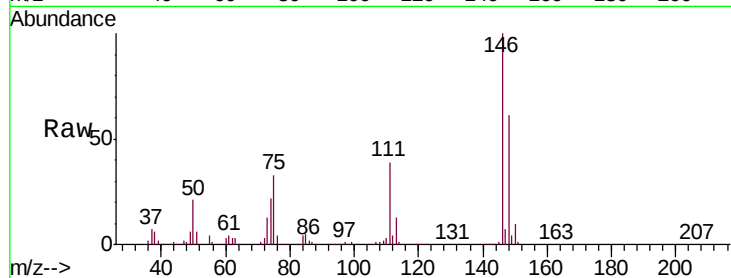
Tgt Ion:146 Resp: 414308

Ion Ratio Lower Upper

146 100

111 39.2 30.4 56.5

148 61.5 46.1 85.7



#63

1,4-Dichlorobenzene

Concen: 55.174 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

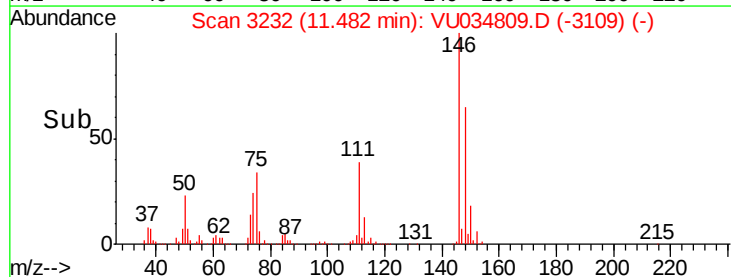
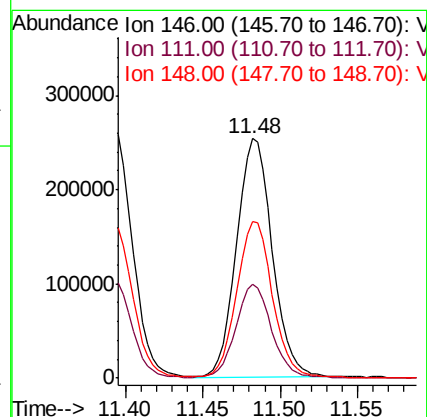
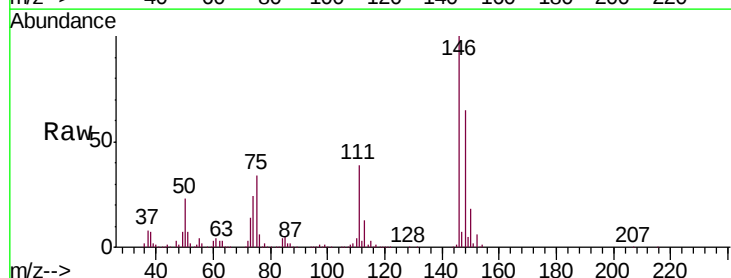
Tgt Ion:146 Resp: 406033

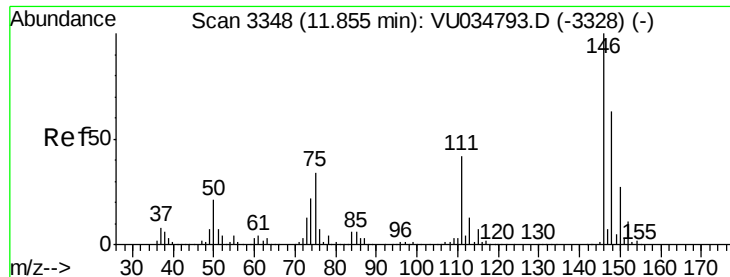
Ion Ratio Lower Upper

146 100

111 39.3 29.5 54.9

148 65.4 44.4 82.4

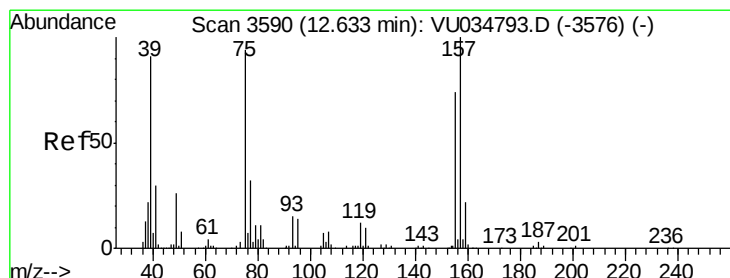
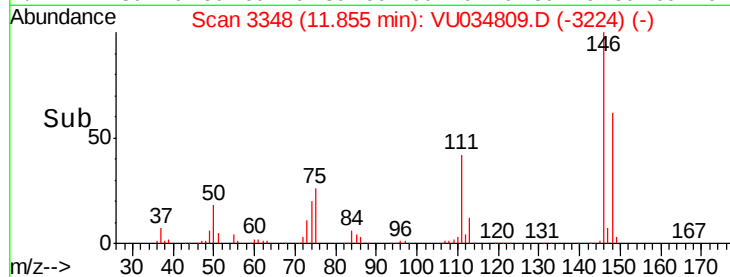
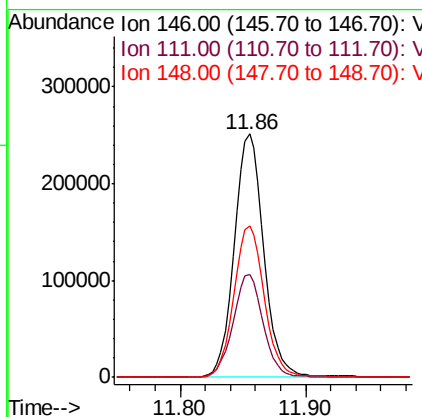
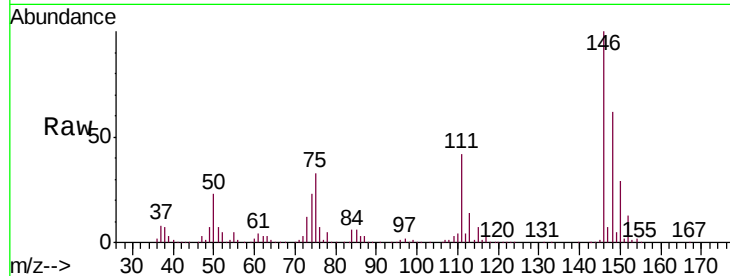




#65
 1,2-Dichlorobenzene
 Concen: 56.100 ug/L
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

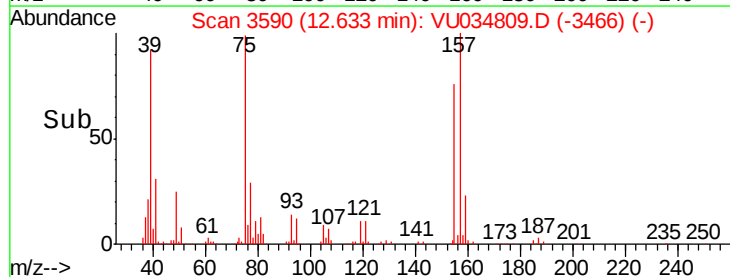
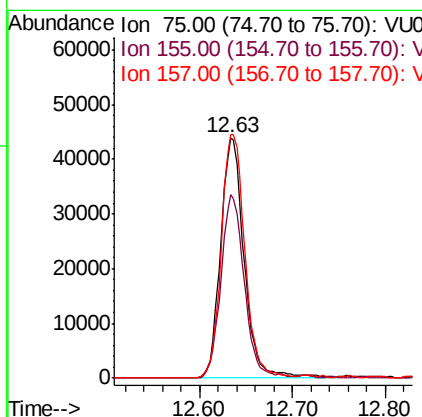
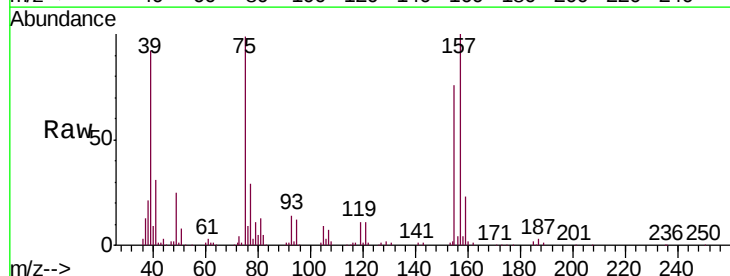
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

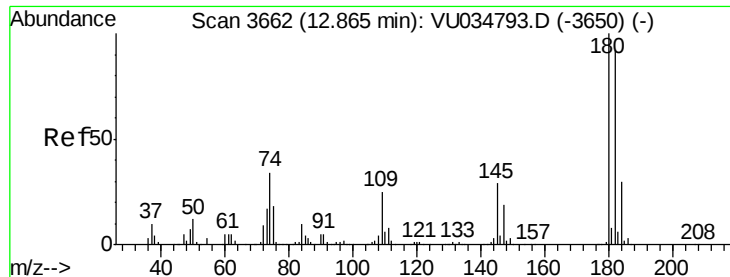
Tgt Ion:146 Resp: 409491
 Ion Ratio Lower Upper
 146 100
 111 42.2 35.2 52.8
 148 62.3 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.119 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Tgt Ion: 75 Resp: 77760
 Ion Ratio Lower Upper
 75 100
 155 76.6 54.7 82.1
 157 101.4 69.9 104.9

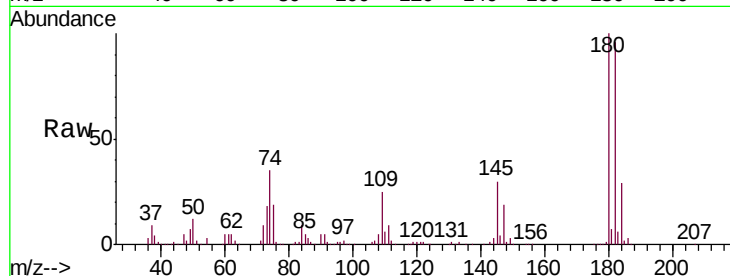




#67
 1,3,5-Trichlorobenzene
 Concen: 55.806 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	79.2	118.8
184	29.6	24.6	36.8
145	29.3	24.9	37.3



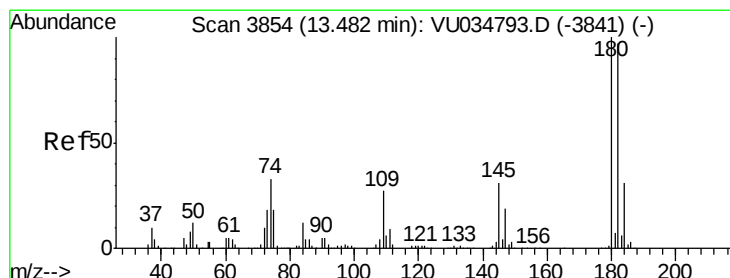
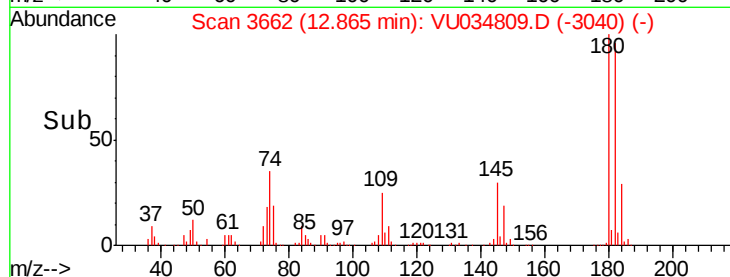
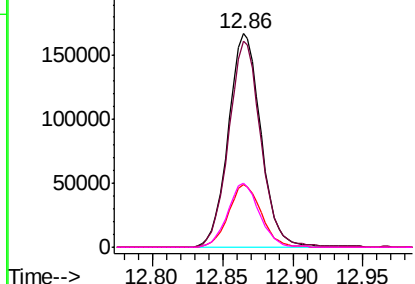
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

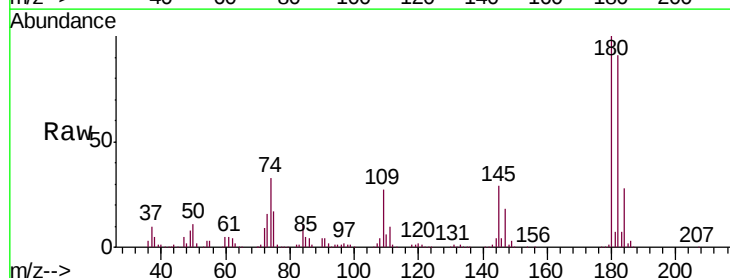
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 60.206 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034809.D
 Acq: 25 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	75.7	113.5
145	29.9	25.2	37.8

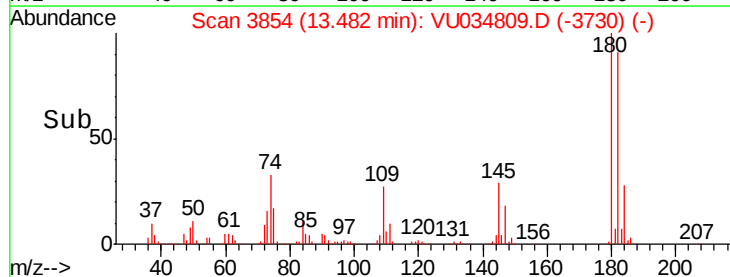
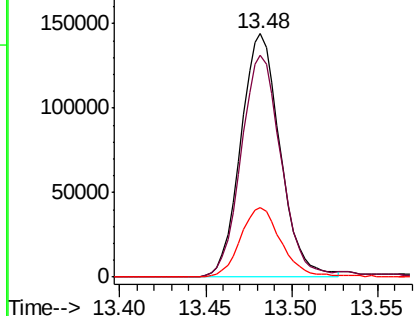


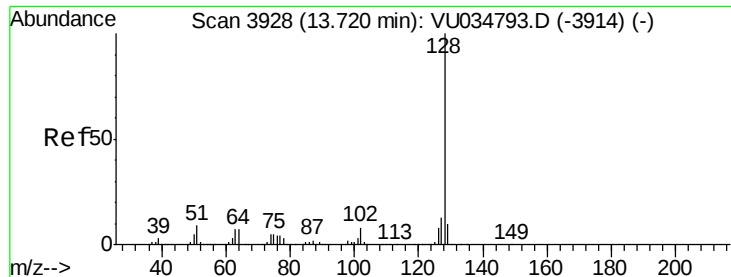
Abundance

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: 60.831 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

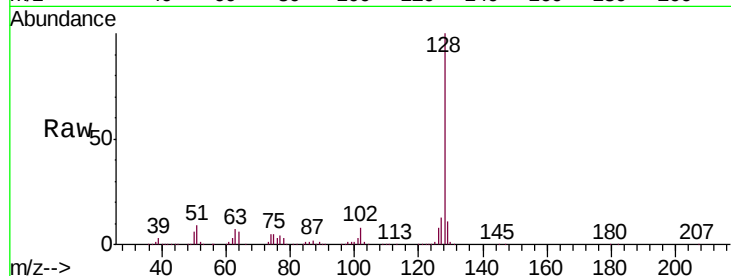
Tgt Ion:128 Resp: 801567

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

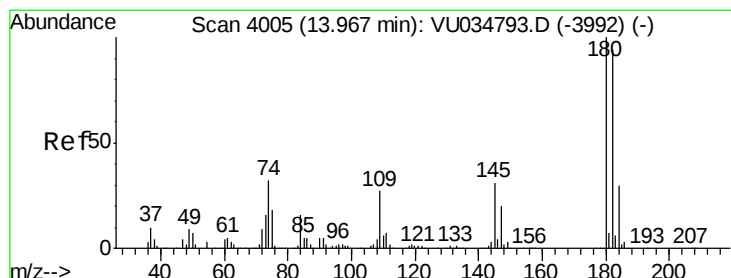
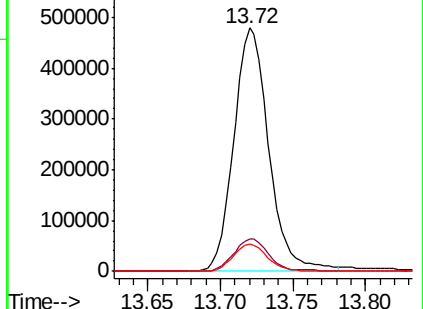
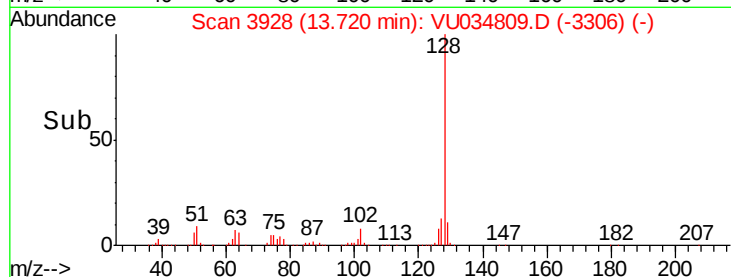
129 11.1 8.6 12.8



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: 59.594 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034809.D

Acq: 25 Sep 2019 17:36

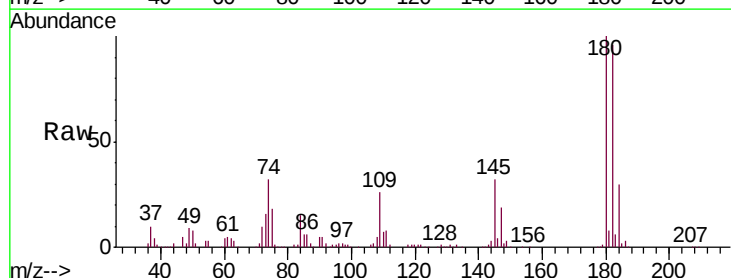
Tgt Ion:180 Resp: 233404

Ion Ratio Lower Upper

180 100

182 94.9 79.2 118.8

145 31.3 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

