

Data File : VU034793.D
Acq On : 25 Sep 2019 10:26
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Sep 26 04:36:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 11:57:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	524617	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	498307	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	243075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	201528	37.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.04%
7) Chloroethane-d5	1.67	69	181664	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.54%
11) 1,1-Dichloroethene-d2	2.26	63	408340	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.80%
21) 2-Butanone-d5	4.15	46	428479	104.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.10%
24) Chloroform-d	4.62	84	374942	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	5.29	65	248710	43.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.66%
32) Benzene-d6	5.31	84	749589	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
36) 1,2-Dichloropropane-d6	6.31	67	259315	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.08%
41) Toluene-d8	7.54	98	708249	48.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.83	79	123890	47.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.84%
47) 2-Hexanone-d5	8.29	63	280932	103.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.61%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	369670	49.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.70%
64) 1,2-Dichlorobenzene-d4	11.84	152	259094	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	270565	50.039	ug/L	100
3) Chloromethane	1.32	50	312035	48.177	ug/L	99
5) Vinyl chloride	1.40	62	304520	51.478	ug/L	100
6) Bromomethane	1.62	94	207967	64.370	ug/L	98
8) Chloroethane	1.69	64	180921	53.126	ug/L	97
9) Trichlorofluoromethane	1.87	101	393781	52.794	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	203535	56.913	ug/L	96
12) 1,1-Dichloroethene	2.27	96	198129	57.724	ug/L	87
13) Acetone	2.31	43	468870	97.923	ug/L	96
14) Carbon disulfide	2.46	76	606521	52.371	ug/L	99
15) Methyl Acetate	2.60	43	331901	51.892	ug/L	96
16) Methylene chloride	2.68	84	234096	53.842	ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	212755	56.694	ug/L	88
18) Methyl tert-butyl Ether	2.98	73	740800	53.209	ug/L	96
19) 1,1-Dichloroethane	3.42	63	448174	52.060	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	246774	56.240	ug/L	85
22) 2-Butanone	4.24	43	575256	100.987	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	116850	55.636	ug/L	88
25) Chloroform	4.65	83	425093	50.144	ug/L	96
27) 1,2-Dichloroethane	5.38	62	341649	46.654	ug/L #	94
29) Cyclohexane	4.97	56	424514	51.613	ug/L	96
30) 1,1,1-Trichloroethane	4.89	97	347756	51.275	ug/L	96
31) Carbon tetrachloride	5.11	117	303118	52.441	ug/L	98
33) Benzene	5.36	78	945992	54.737	ug/L	100
34) Trichloroethene	6.16	95	231175	54.162	ug/L	95
35) Methylcyclohexane	6.39	83	376954	52.043	ug/L	96
37) 1,2-Dichloropropane	6.41	63	266019	51.693	ug/L	99
38) Bromodichloromethane	6.73	83	313414	50.221	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	407419	52.691	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	967310	98.456	ug/L	97
42) Toluene	7.61	91	1009976	54.074	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	365888	52.490	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	225888	54.800	ug/L	96
46) Tetrachloroethene	8.21	164	174905	58.257	ug/L	99
48) 2-Hexanone	8.34	43	797719	103.960	ug/L	97
49) Dibromochloromethane	8.45	129	252866	55.035	ug/L	98
50) 1,2-Dibromoethane	8.56	107	249774	56.223	ug/L	99
51) Chlorobenzene	9.10	112	618773	54.498	ug/L	93
52) Ethylbenzene	9.23	91	1118862	53.197	ug/L	99
53) m,p-Xylene	9.35	106	409049	54.909	ug/L	97
54) o-xylene	9.76	106	402478	54.623	ug/L	98
55) Styrene	9.77	104	685666	54.975	ug/L	97
56) Isopropylbenzene	10.14	105	1069868	53.850	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.43	83	412291	52.076	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	318633	49.574	ug/L	98
61) Bromoform	9.94	173	178746	53.409	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	473927	56.300	ug/L	94
63) 1,4-Dichlorobenzene	11.49	146	475582	55.461	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	472764	55.584	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	89076	49.271	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.86	180	322194	57.125	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	287975	64.928	ug/L	99
69) Naphthalene	13.72	128	1027613	66.927	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	282680	61.940	ug/L	98

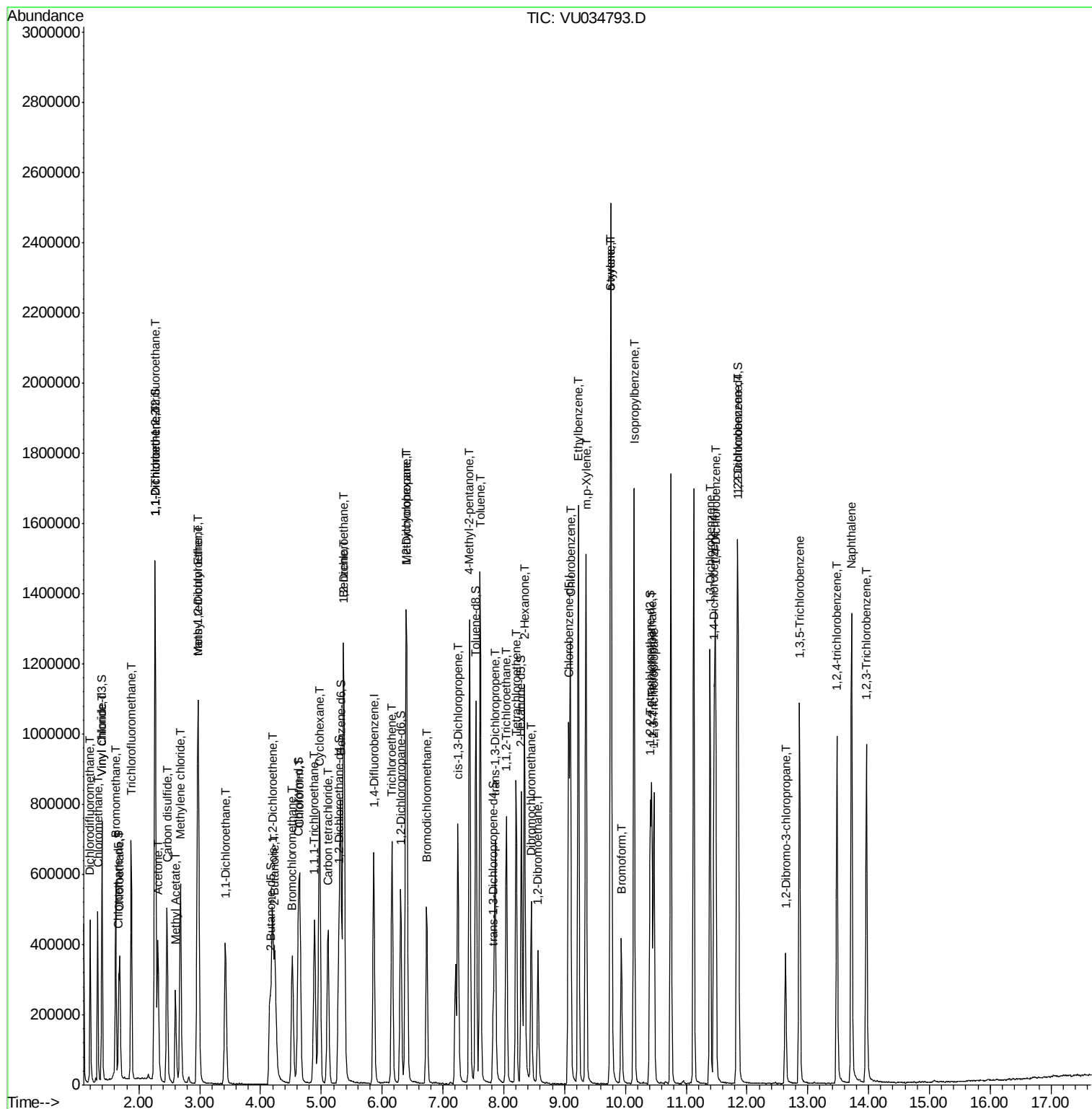
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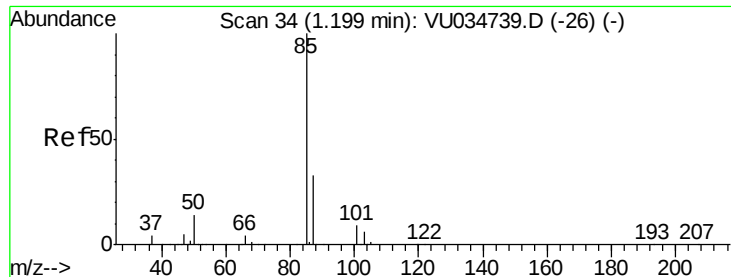
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#2

Dichlorodifluoromethane

Concen: 50.039 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

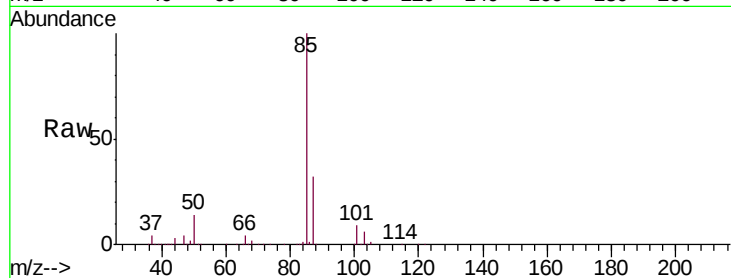
VSTD05045

Tgt Ion: 85 Resp: 270565

Ion Ratio Lower Upper

85 100

87 31.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU034793.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034793.D (-26) (-)

1.20

250000

200000

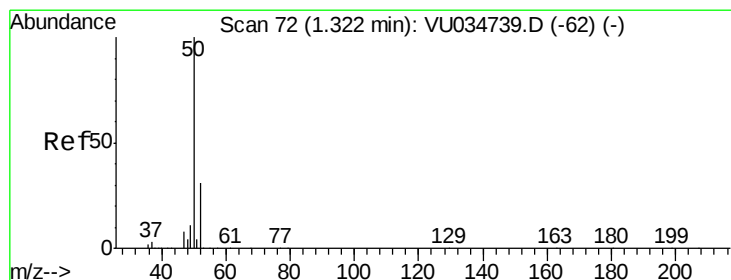
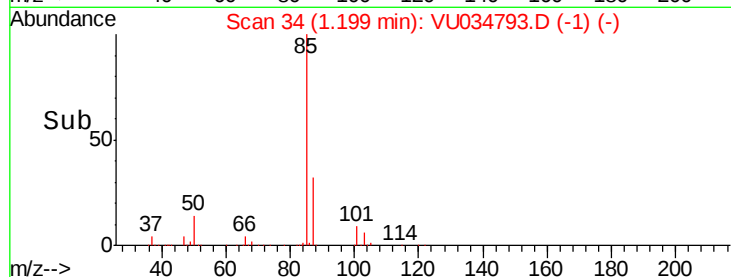
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.177 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034793.D

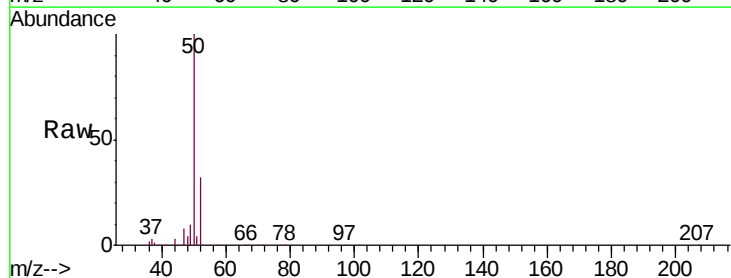
Acq: 25 Sep 2019 10:26

Tgt Ion: 50 Resp: 312035

Ion Ratio Lower Upper

50 100

52 32.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU034793.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU034793.D (-62) (-)

1.32

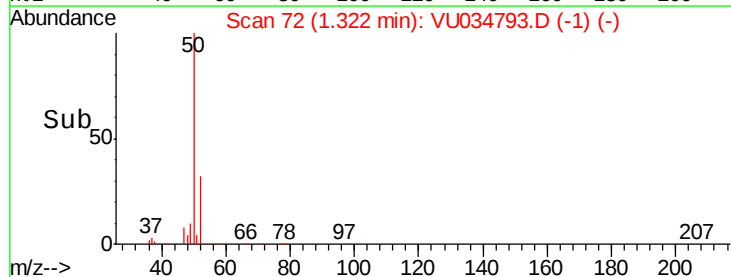
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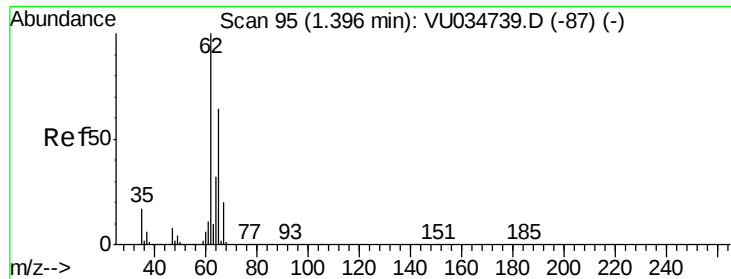
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 51.478 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

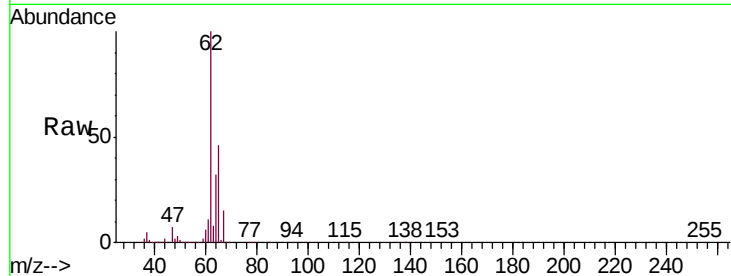
VSTD05045

Tgt Ion: 62 Resp: 304520

Ion Ratio Lower Upper

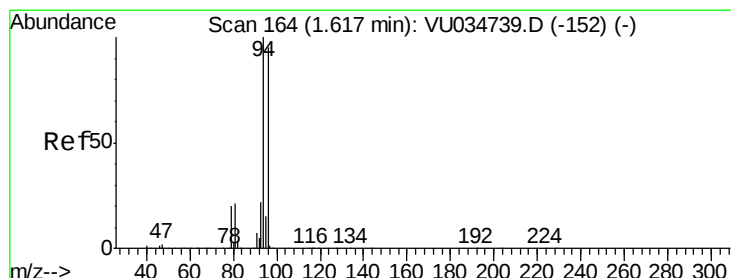
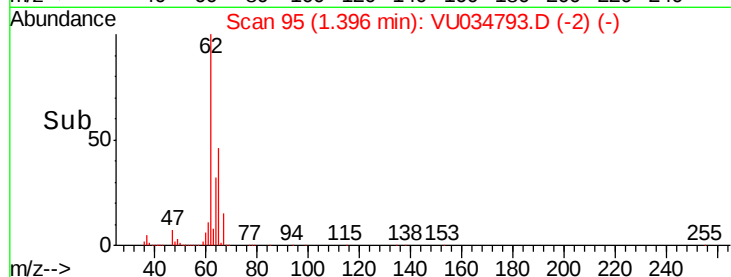
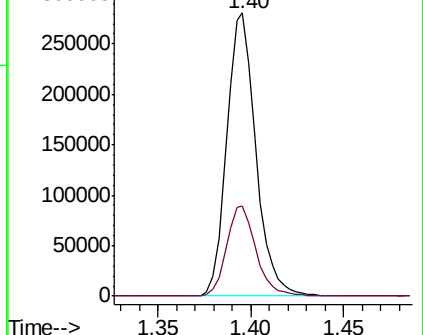
62 100

64 31.9 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU034793.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU034793.D (-87) (-)



#6

Bromomethane

Concen: 64.370 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034793.D

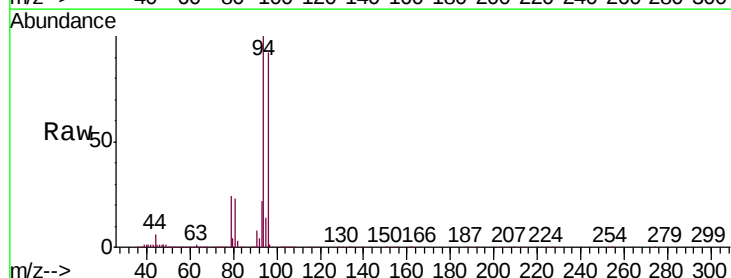
Acq: 25 Sep 2019 10:26

Tgt Ion: 94 Resp: 207967

Ion Ratio Lower Upper

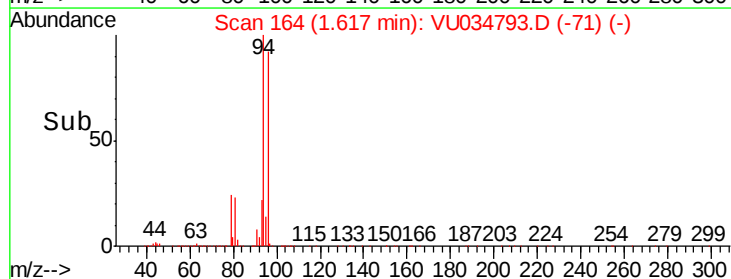
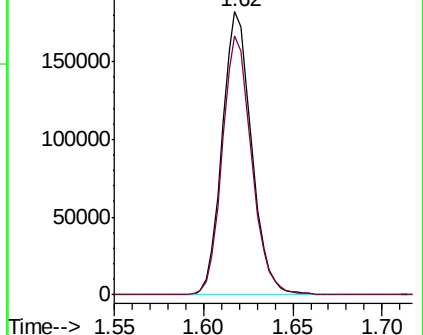
94 100

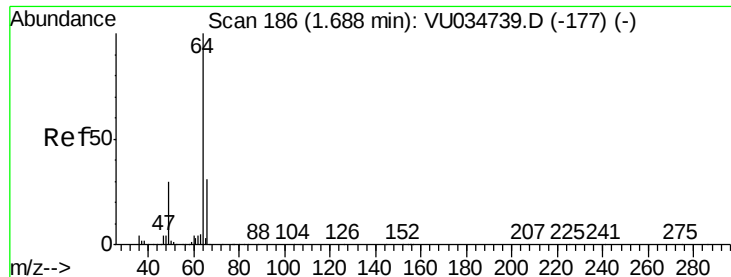
96 91.7 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU034793.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU034793.D (-152) (-)





#8

Chloroethane

Concen: 53.126 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

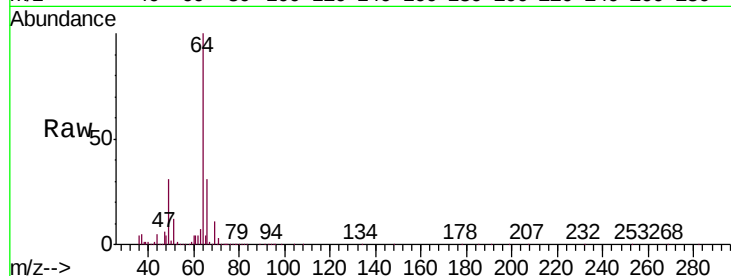
VSTD05045

Tgt Ion: 64 Resp: 180921

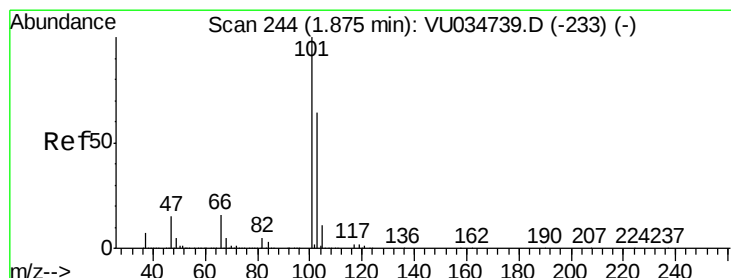
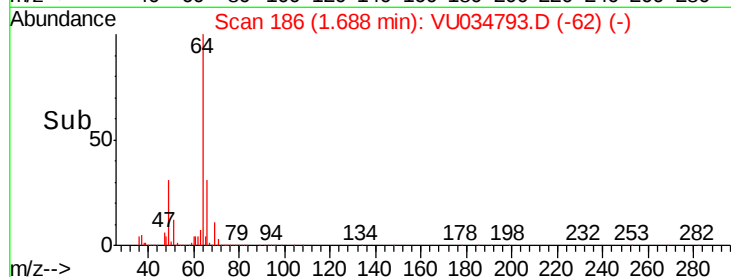
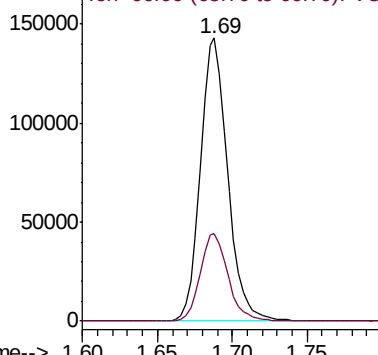
Ion Ratio Lower Upper

64 100

66 31.0 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU034793.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 52.794 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034793.D

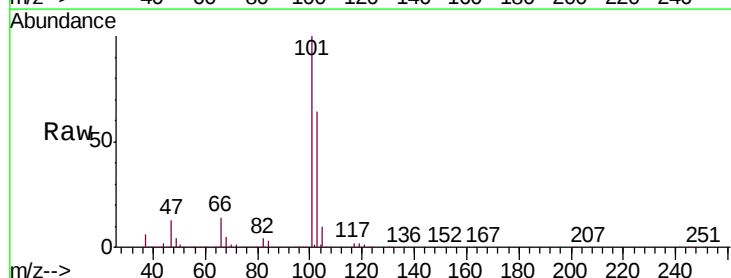
Acq: 25 Sep 2019 10:26

Tgt Ion: 101 Resp: 393781

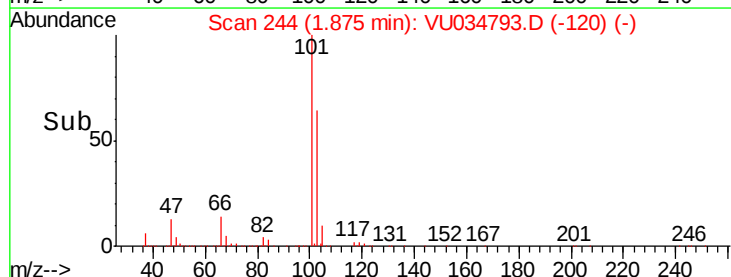
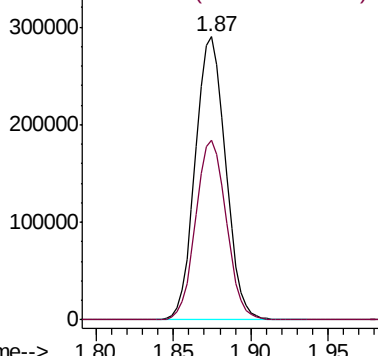
Ion Ratio Lower Upper

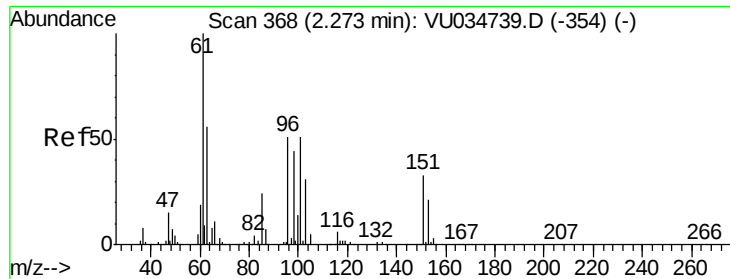
101 100

103 64.0 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU034793.D (-233) (-)





#10

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

Concen: 56.913 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

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ClientSampleId :

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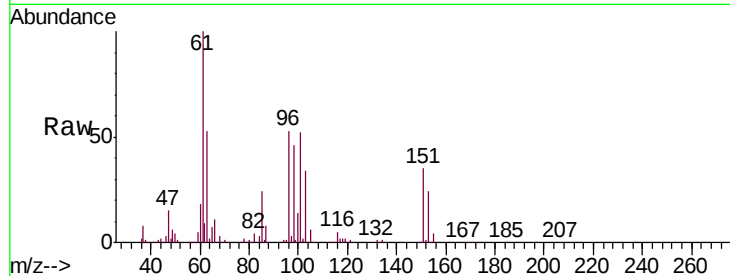
Tgt Ion: 101 Resp: 203535

Ion Ratio Lower Upper

101 100

85 45.6 39.0 58.4

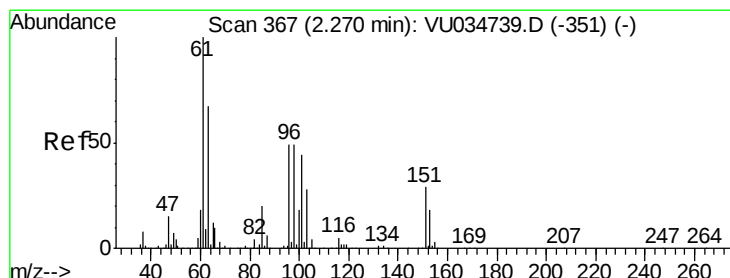
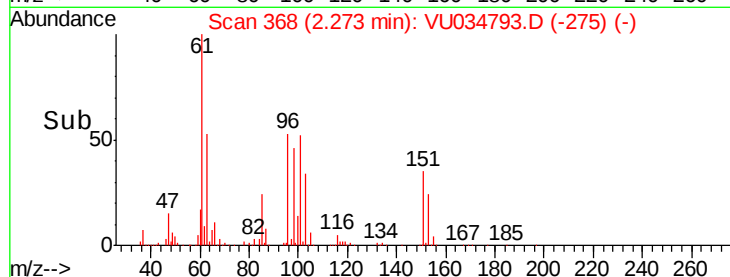
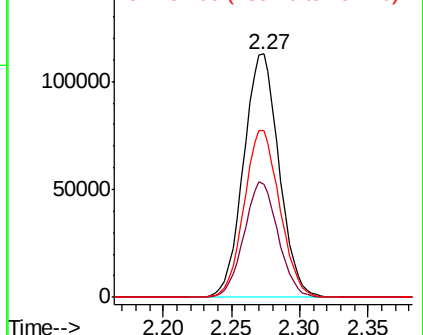
151 68.9 52.8 79.2



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: 57.724 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

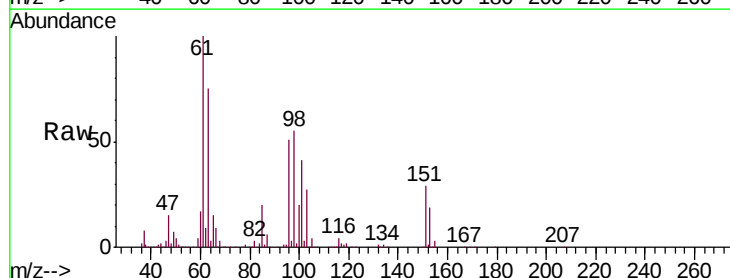
Tgt Ion: 96 Resp: 198129

Ion Ratio Lower Upper

96 100

61 196.0 153.2 284.4

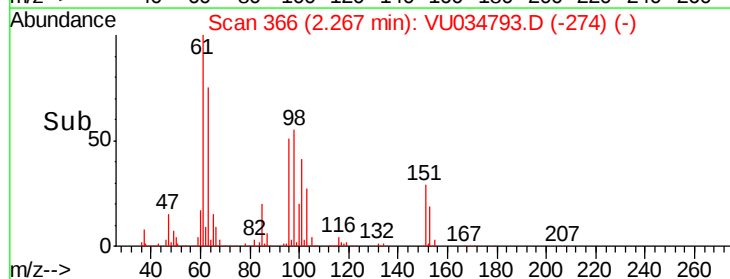
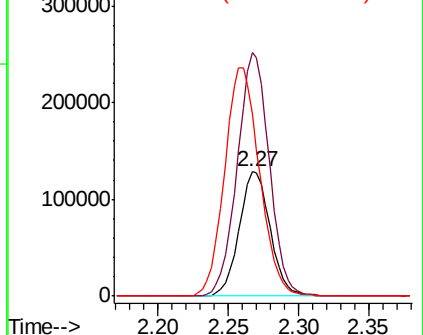
63 146.4 113.8 211.3

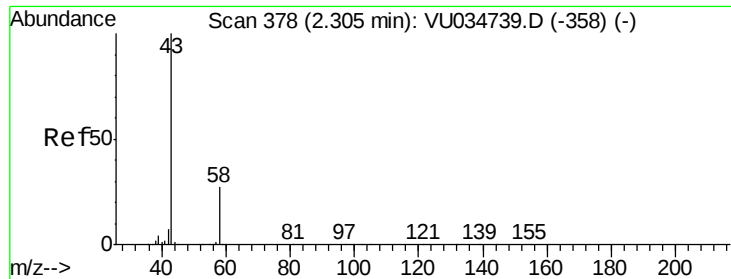


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.923 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VU034793.D

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ClientSampleId :

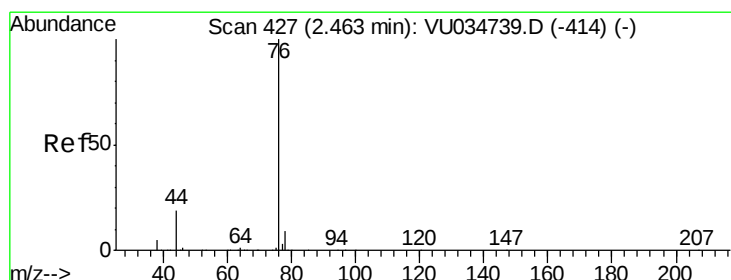
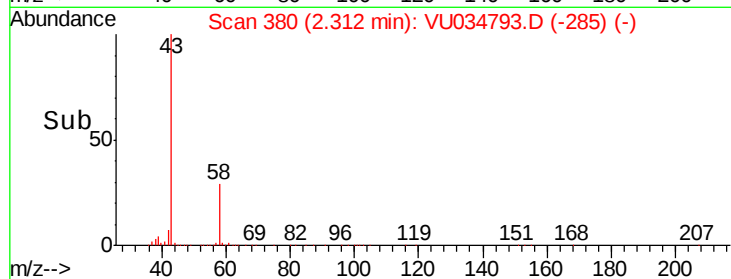
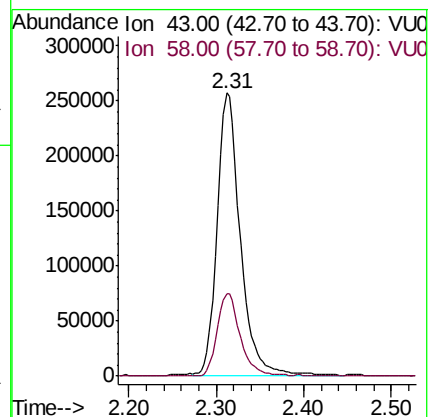
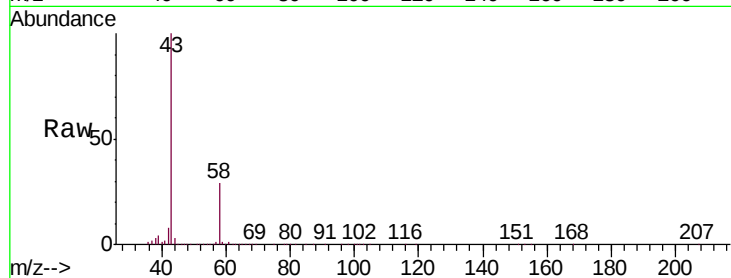
VSTD05045

Tgt Ion: 43 Resp: 468870

Ion Ratio Lower Upper

43 100

58 29.0 0.0 53.4



#14

Carbon disulfide

Concen: 52.371 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034793.D

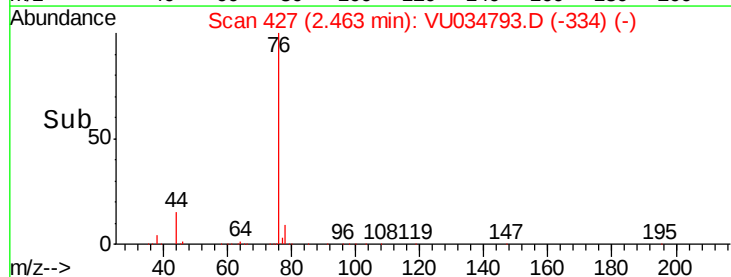
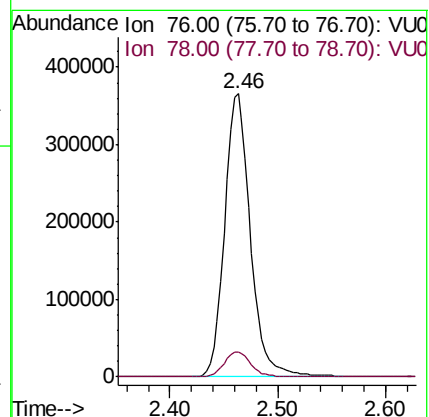
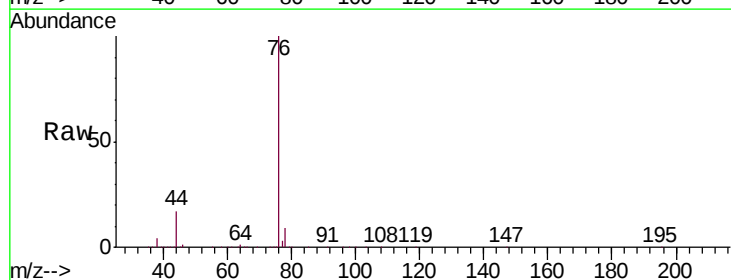
Acq: 25 Sep 2019 10:26

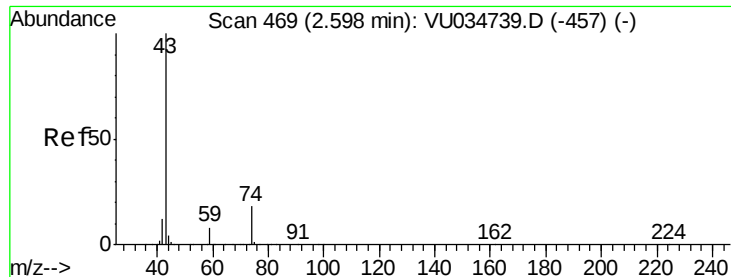
Tgt Ion: 76 Resp: 606521

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3

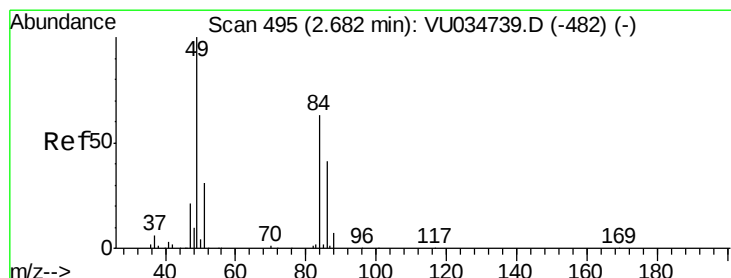
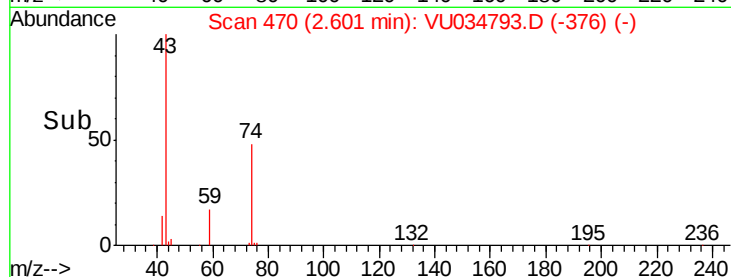
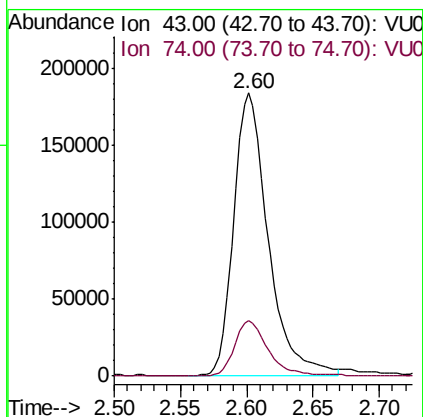
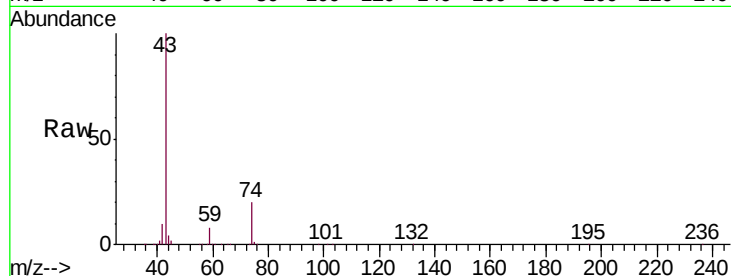




#15
Methyl Acetate
Concen: 51.892 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

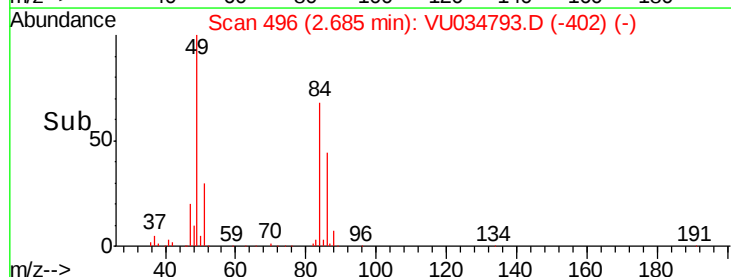
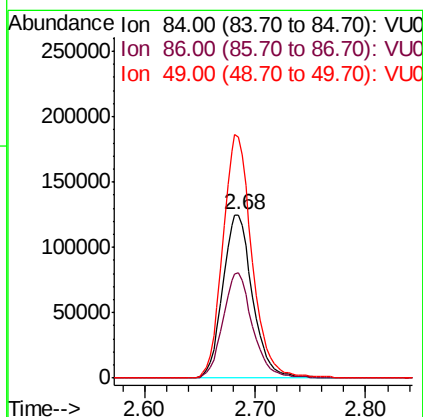
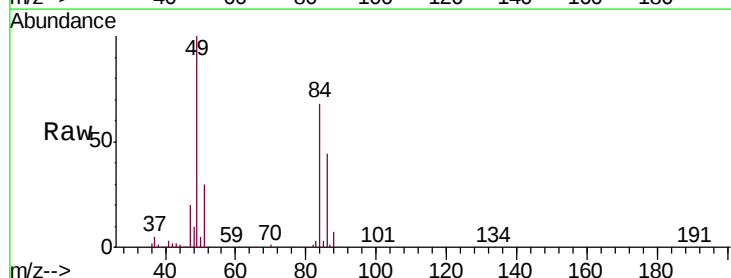
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

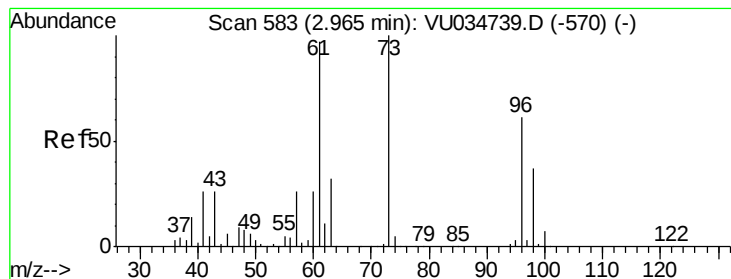
Tgt Ion: 43 Resp: 331901
Ion Ratio Lower Upper
43 100
74 19.6 14.4 21.6



#16
Methylene chloride
Concen: 53.842 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

Tgt Ion: 84 Resp: 234096
Ion Ratio Lower Upper
84 100
86 64.4 43.0 80.0
49 147.9 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 56.694 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

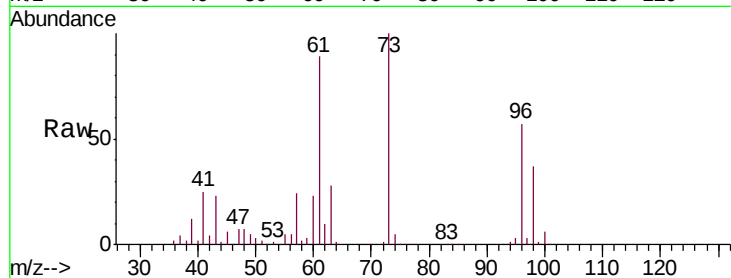
Tgt Ion: 96 Resp: 212755

Ion Ratio Lower Upper

96 100

61 155.8 124.0 230.4

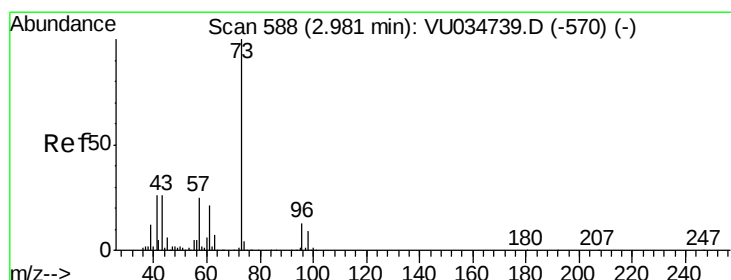
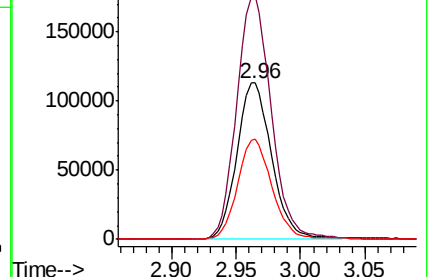
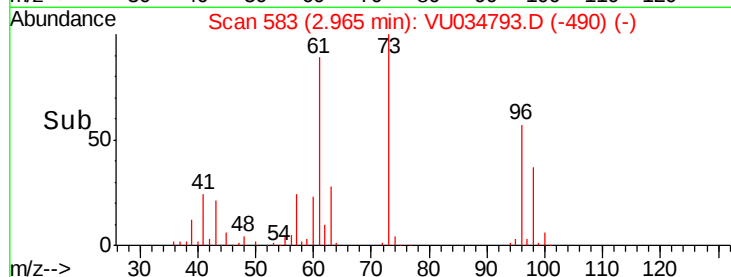
98 64.3 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU034793.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034793.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034793.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 53.209 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

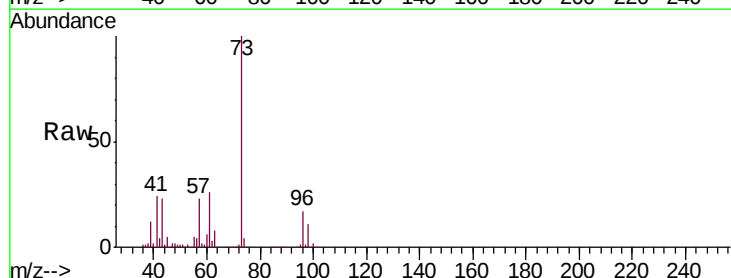
Tgt Ion: 73 Resp: 740800

Ion Ratio Lower Upper

73 100

43 22.9 20.9 31.3

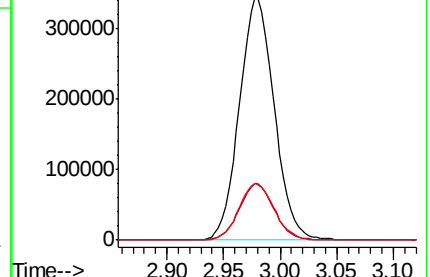
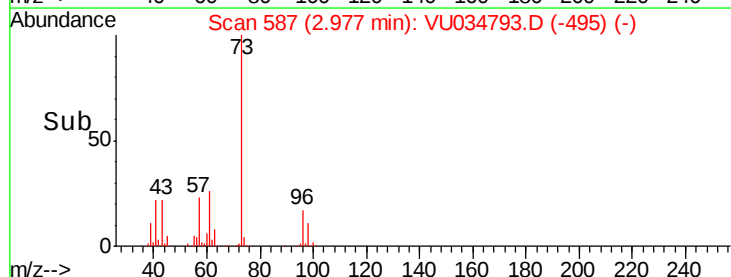
57 23.7 19.5 29.3

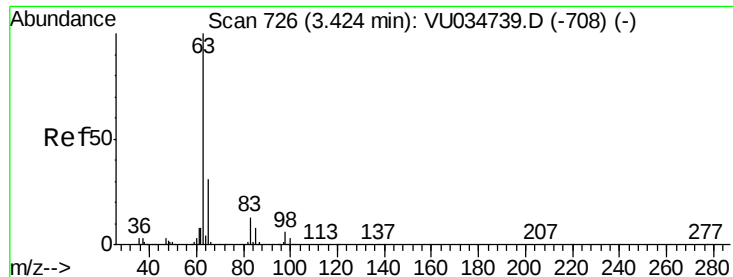


Abundance Ion 73.00 (72.70 to 73.70): VU034793.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034793.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034793.D (-495) (-)





#19

1,1-Dichloroethane

Concen: 52.060 ug/L

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

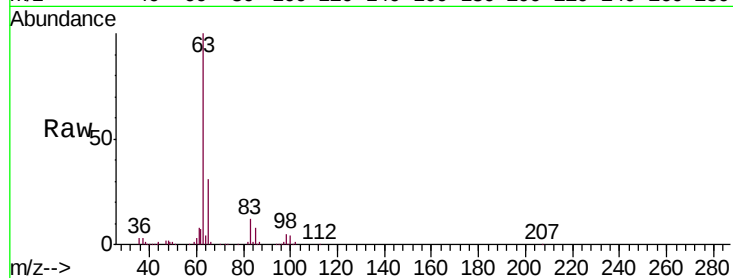
Tgt Ion: 63 Resp: 448174

Ion Ratio Lower Upper

63 100

65 31.1 22.0 40.8

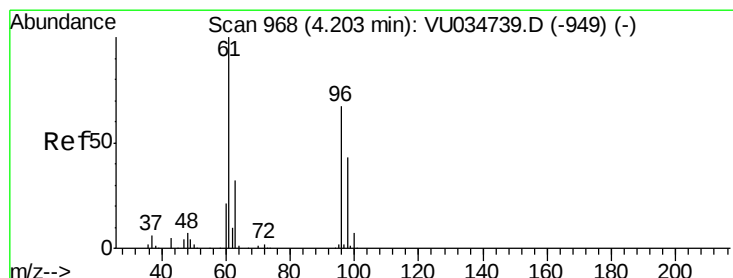
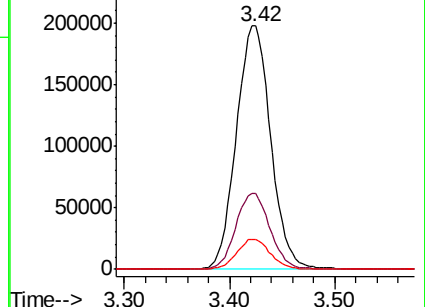
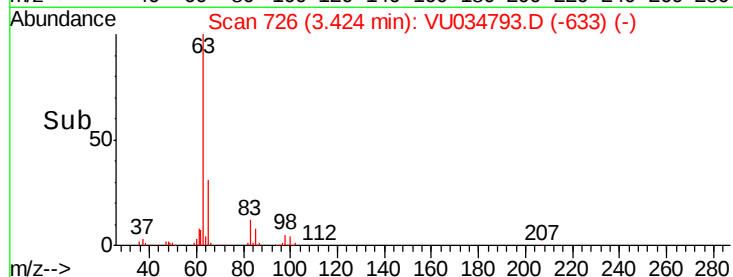
83 12.4 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU034793.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU034793.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU034793.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 56.240 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

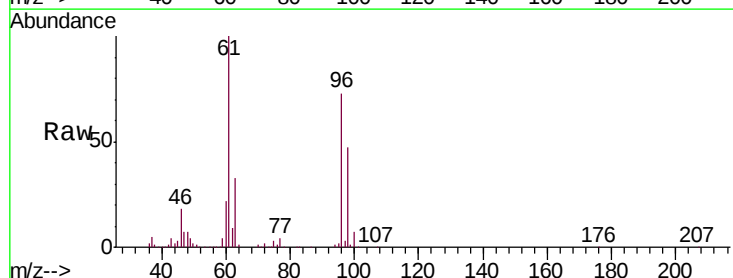
Tgt Ion: 96 Resp: 246774

Ion Ratio Lower Upper

96 100

61 136.7 108.8 202.2

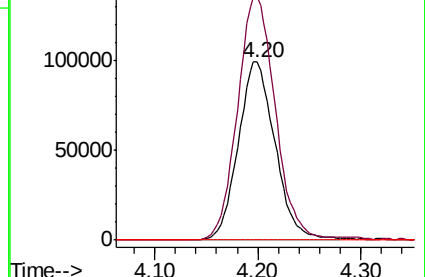
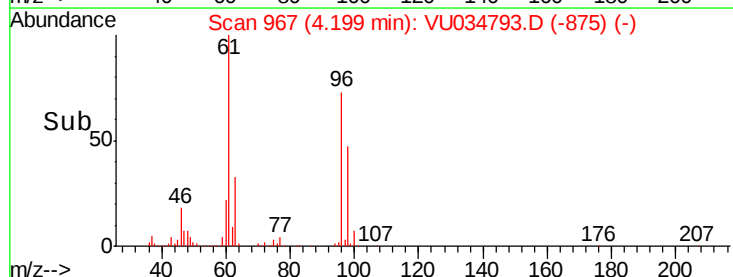
68 0.0 0.0 0.0

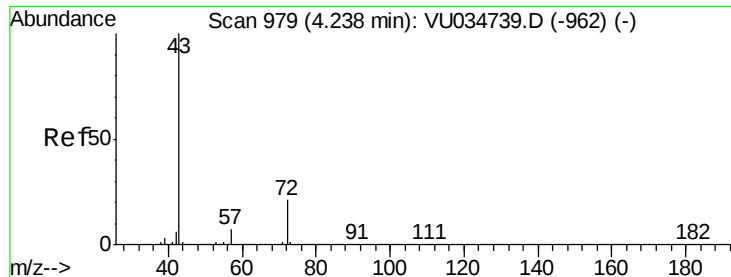


Abundance Ion 96.00 (95.70 to 96.70): VU034793.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU034793.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU034793.D (-949) (-)





#22

2-Butanone

Concen: 100.987 ug/L

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

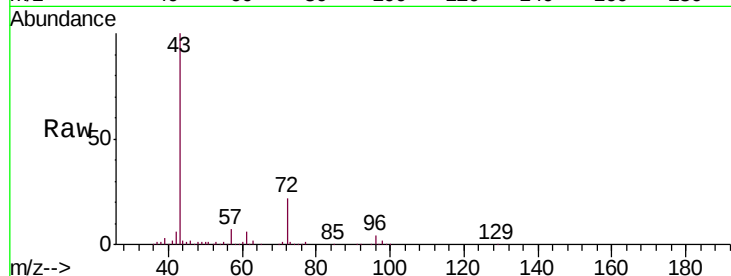
VSTD05045

Tgt Ion: 43 Resp: 575256

Ion Ratio Lower Upper

43 100

72 21.8 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034793.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034793.D (-962) (-)

250000

200000

150000

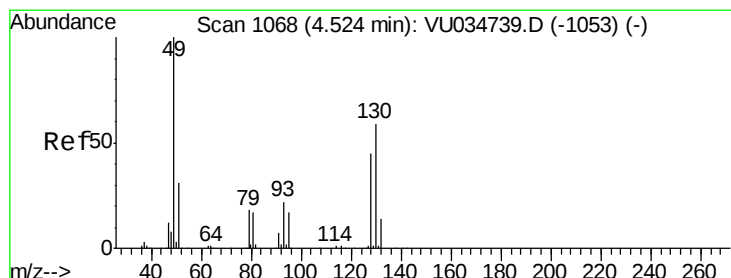
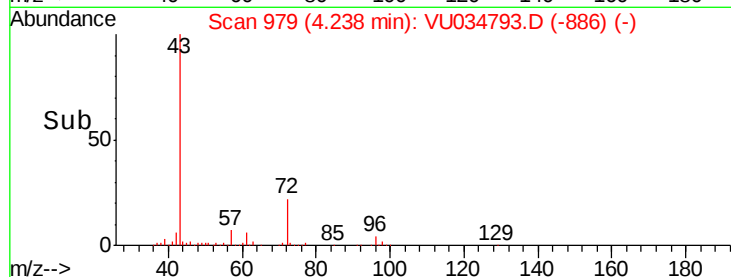
100000

50000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 55.636 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Tgt Ion: 128 Resp: 116850

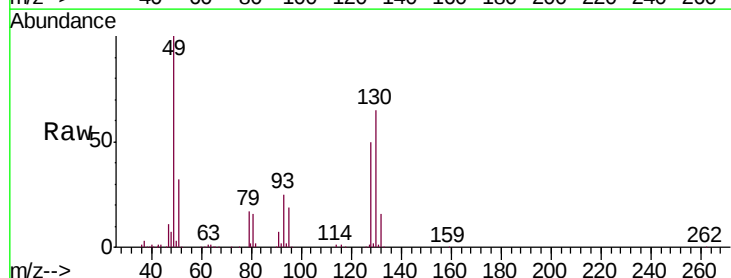
Ion Ratio Lower Upper

128 100

49 199.8 154.3 286.7

130 130.5 83.0 154.2

51 63.4 56.4 84.6



Abundance Ion 128.00 (127.70 to 128.70): VU034793.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034793.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034793.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034793.D (-1053) (-)

150000

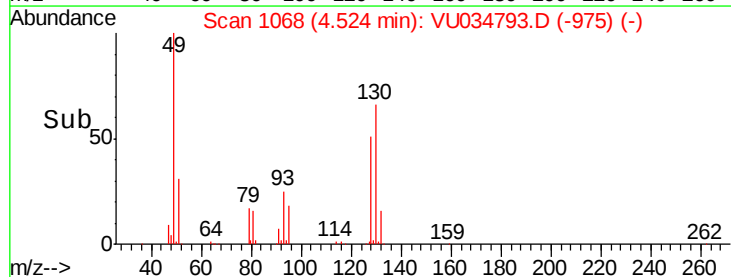
100000

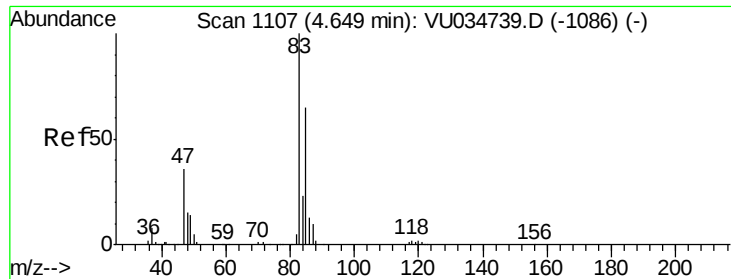
50000

0

4.40 4.50 4.60

Time-->

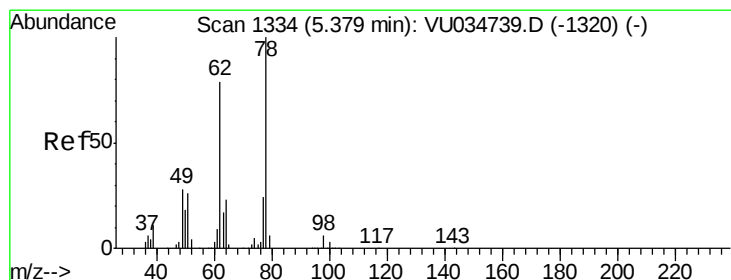
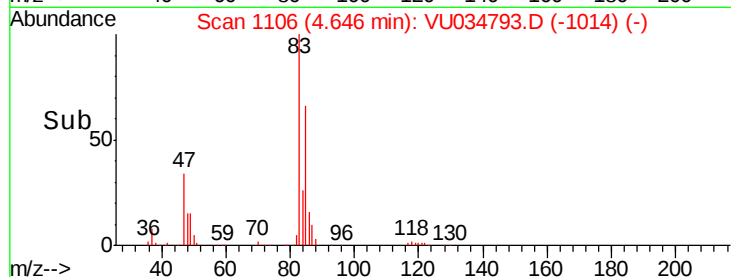
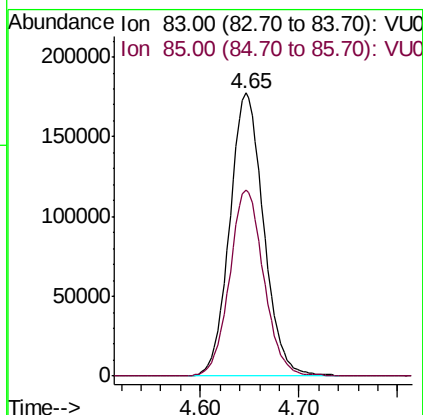
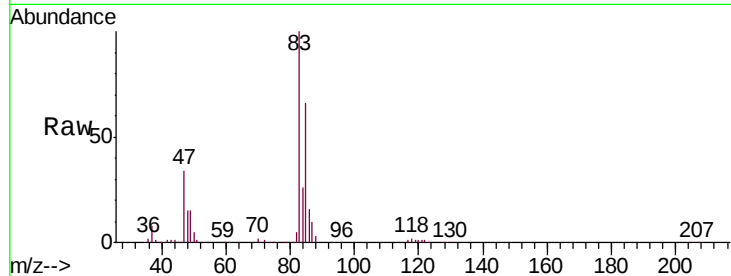




#25
Chloroform
Concen: 50.144 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

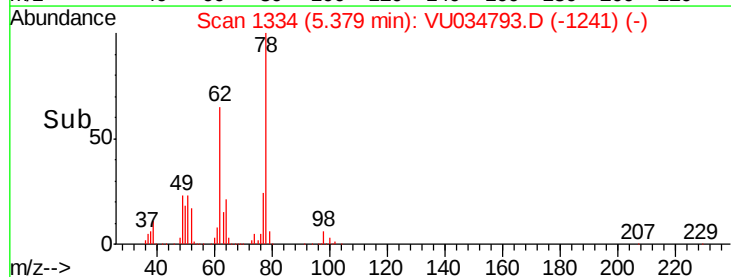
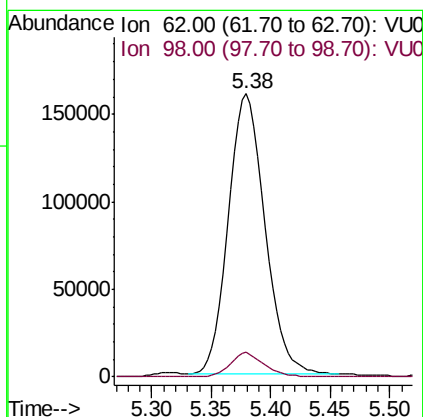
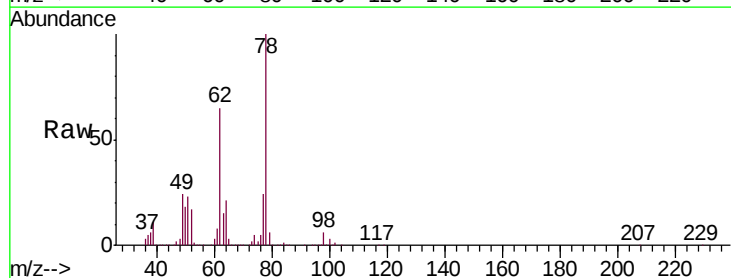
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

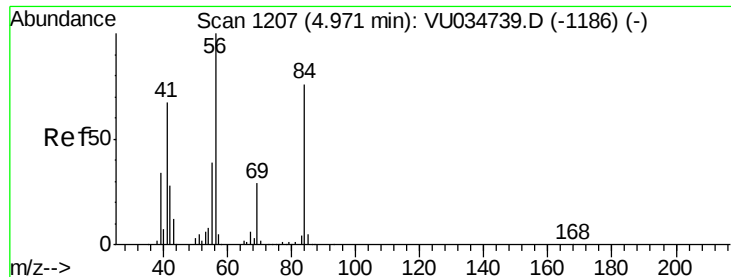
Tgt Ion: 83 Resp: 425093
Ion Ratio Lower Upper
83 100
85 65.7 44.0 81.6



#27
1,2-Dichloroethane
Concen: 46.654 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

Tgt Ion: 62 Resp: 341649
Ion Ratio Lower Upper
62 100
98 8.6 5.3 7.9#

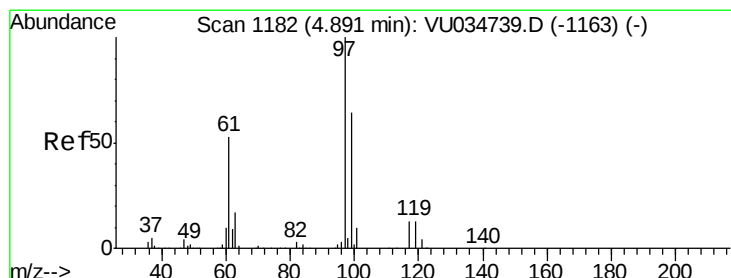
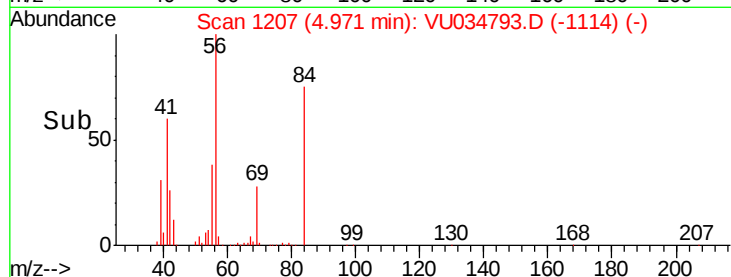
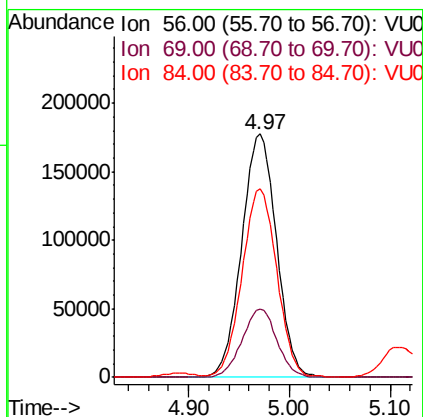
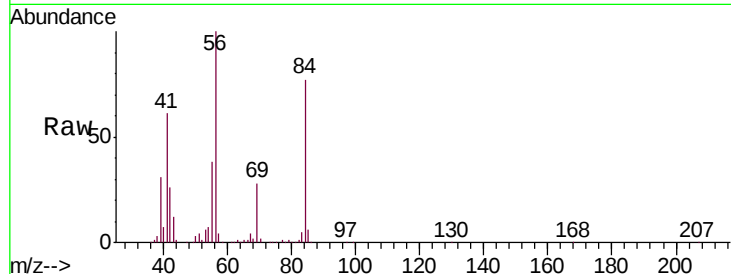




#29
Cyclohexane
Concen: 51.613 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

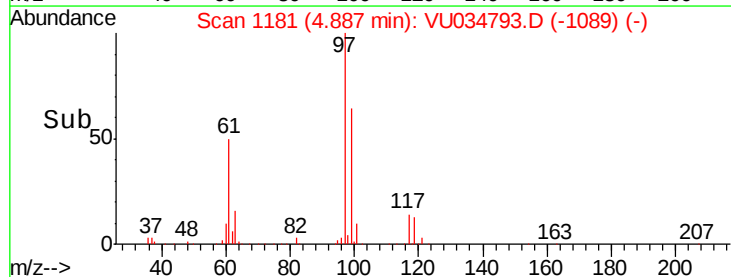
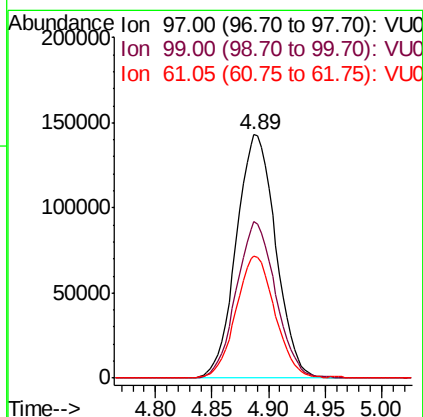
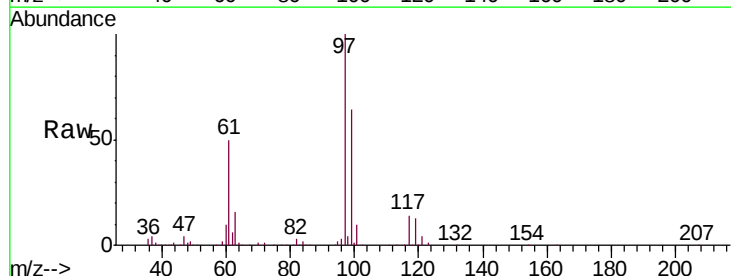
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

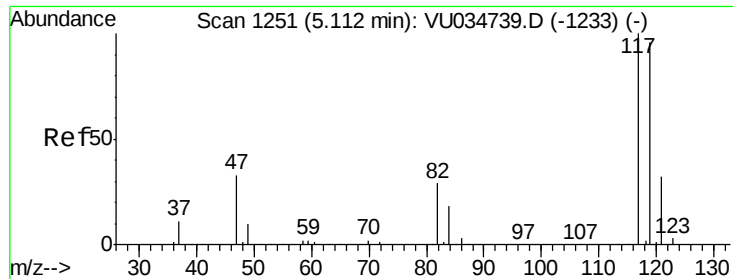
Tgt Ion: 56 Resp: 424514
Ion Ratio Lower Upper
56 100
69 28.0 21.7 32.5
84 77.1 58.8 88.2



#30
1,1,1-Trichloroethane
Concen: 51.275 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

Tgt Ion: 97 Resp: 347756
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.8
61 49.2 43.4 65.0

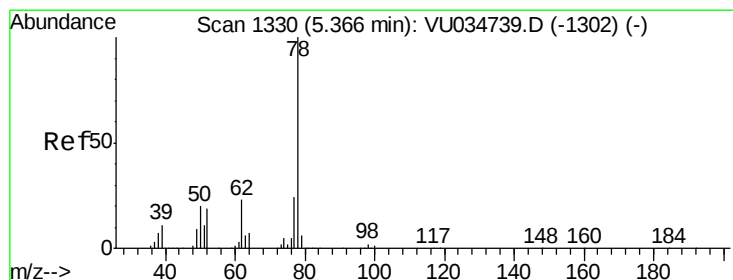
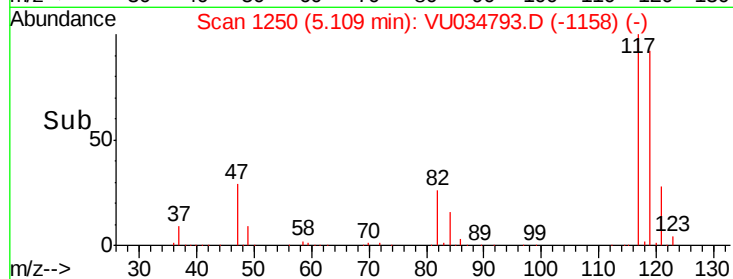
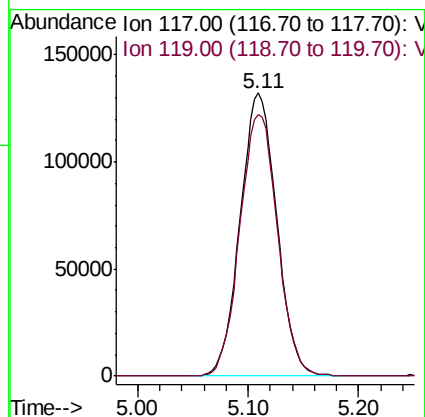
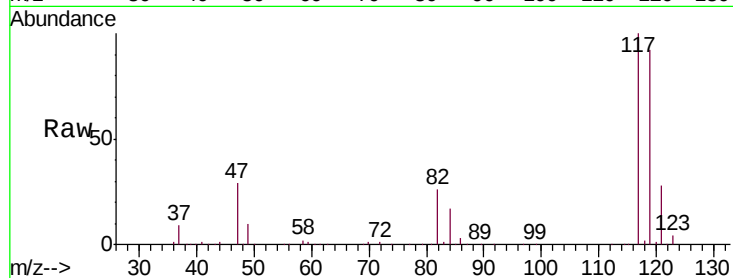




#31
Carbon tetrachloride
Concen: 52.441 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

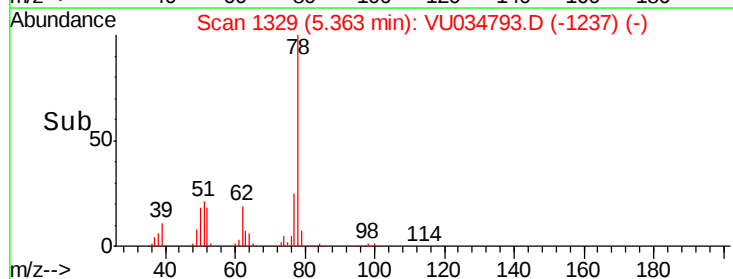
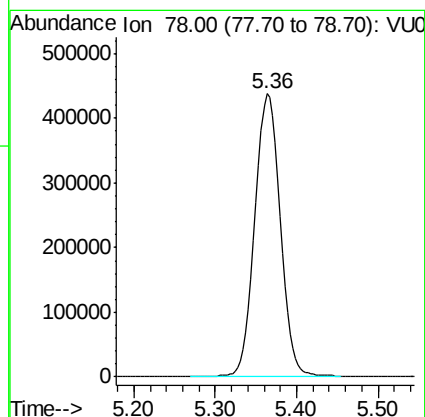
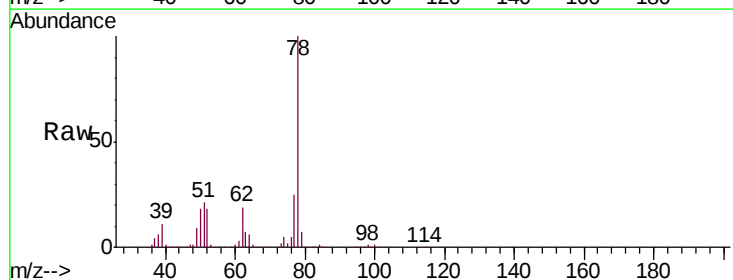
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

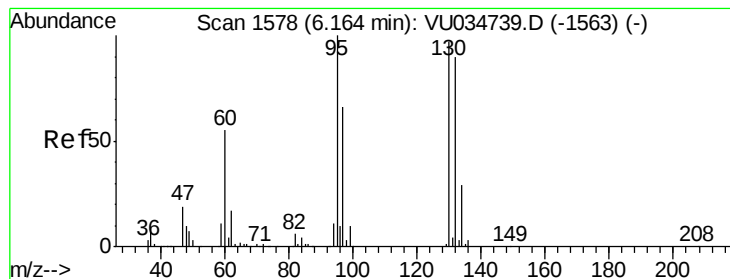
Tgt Ion: 117 Resp: 303118
Ion Ratio Lower Upper
117 100
119 95.4 74.8 112.2



#33
Benzene
Concen: 54.737 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

Tgt Ion: 78 Resp: 945992





#34

Trichloroethene

Concen: 54.162 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 95 Resp: 231175

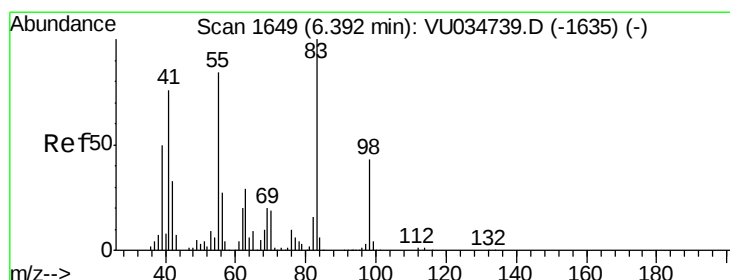
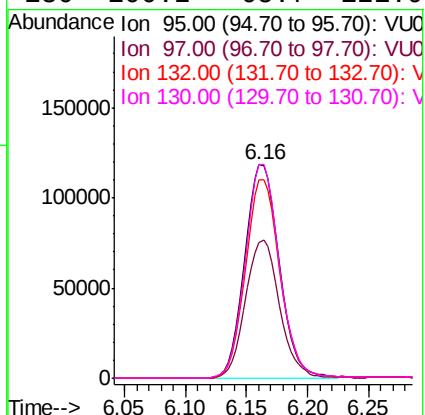
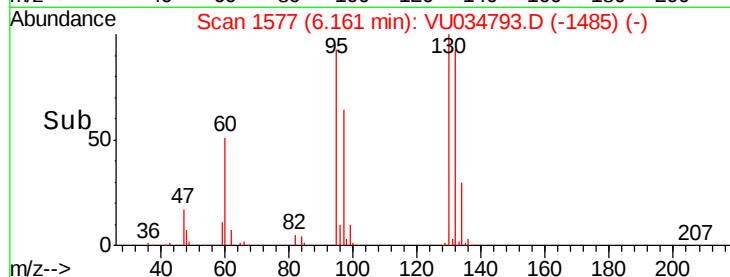
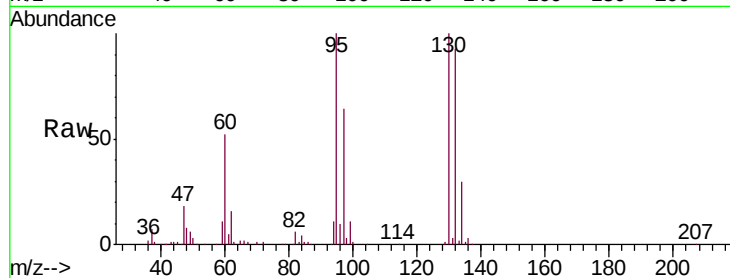
Ion Ratio Lower Upper

95 100

97 63.7 43.7 81.1

132 92.9 61.0 113.2

130 100.2 65.7 121.9



#35

Methylcyclohexane

Concen: 52.043 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

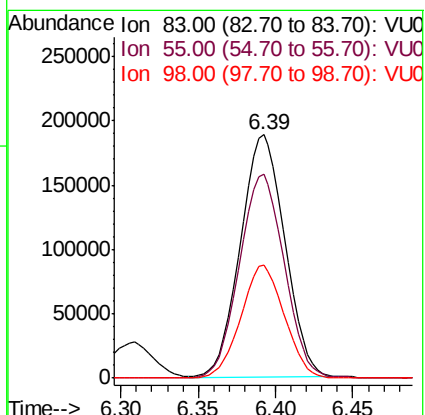
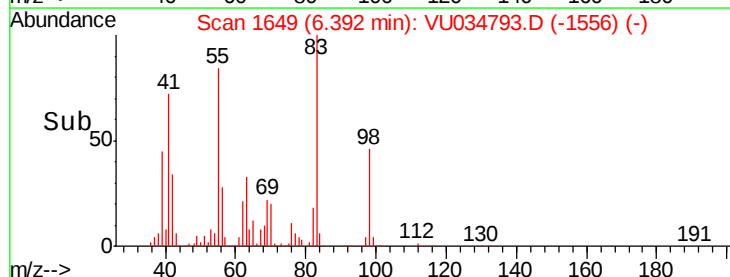
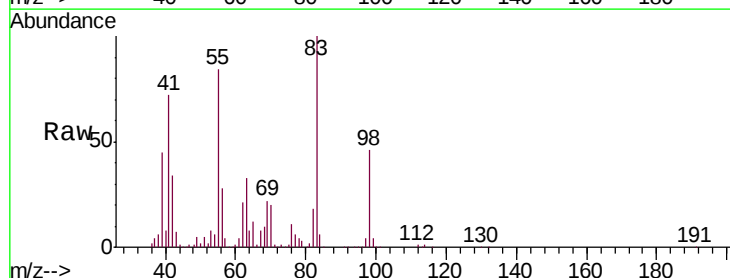
Tgt Ion: 83 Resp: 376954

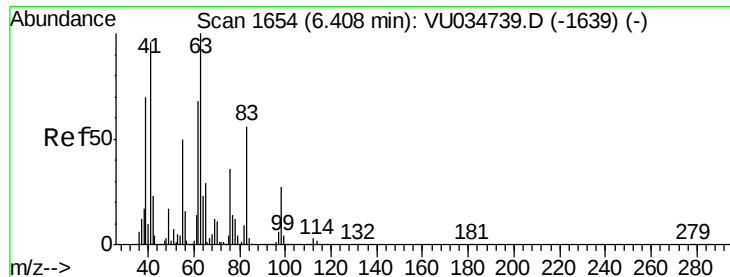
Ion Ratio Lower Upper

83 100

55 84.8 71.6 107.4

98 45.5 35.7 53.5

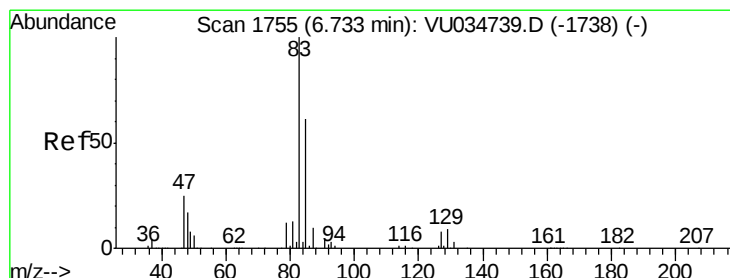
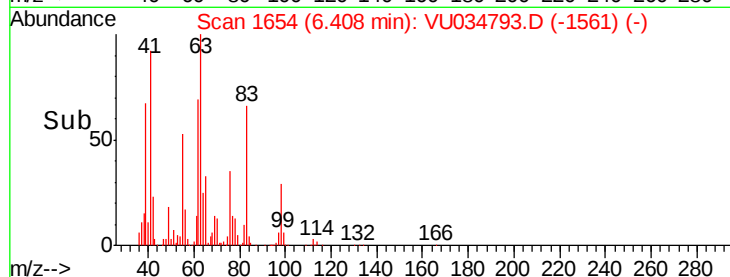
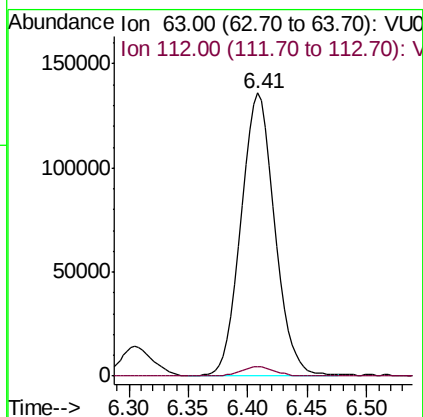
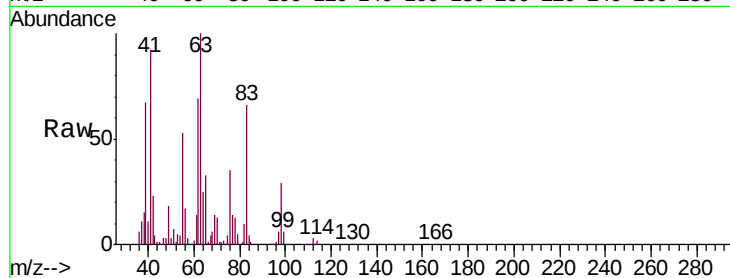




#37
 1,2-Dichloropropane
 Concen: 51.693 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

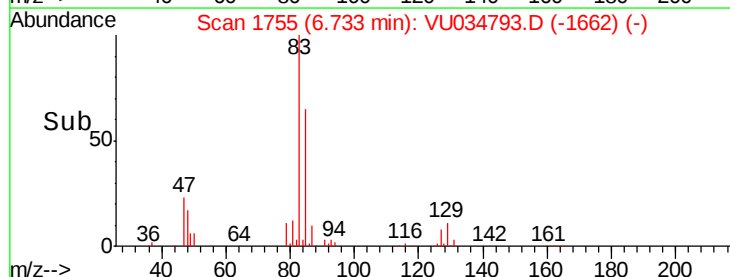
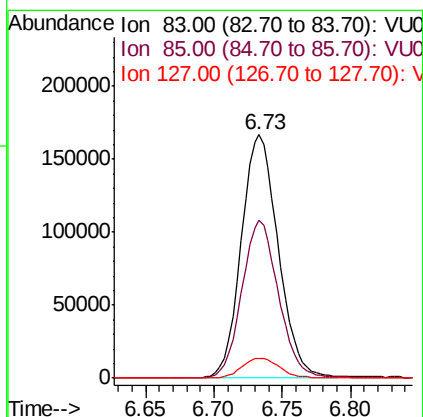
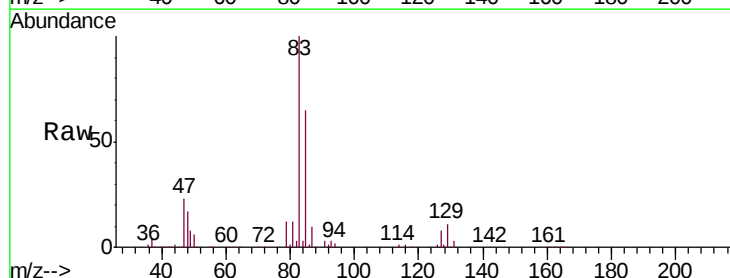
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

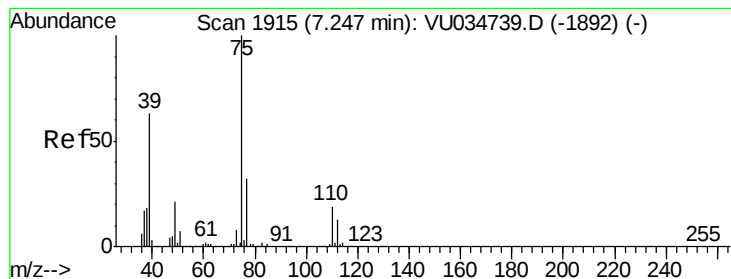
Tgt Ion: 63 Resp: 266019
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.4 3.6



#38
 Bromodichloromethane
 Concen: 50.221 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

Tgt Ion: 83 Resp: 313414
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.5 84.5
 127 8.2 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 52.691 ug/L

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

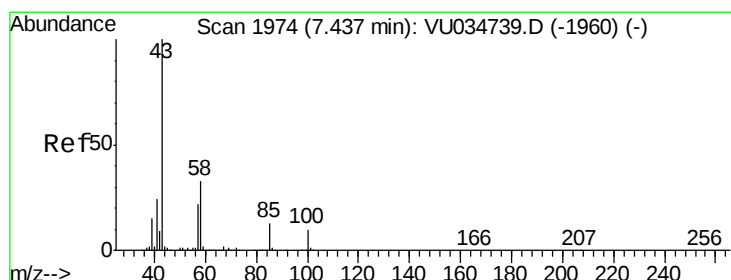
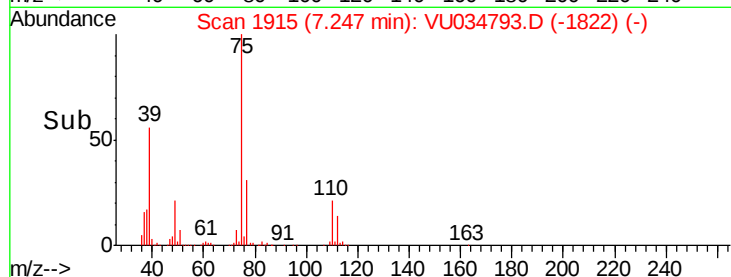
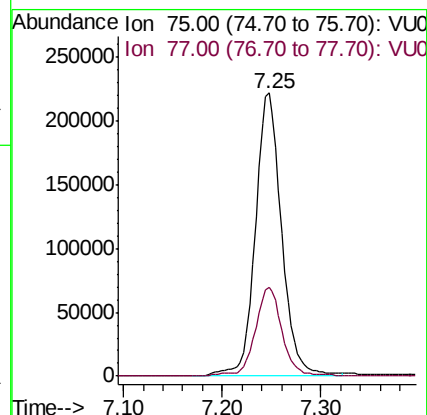
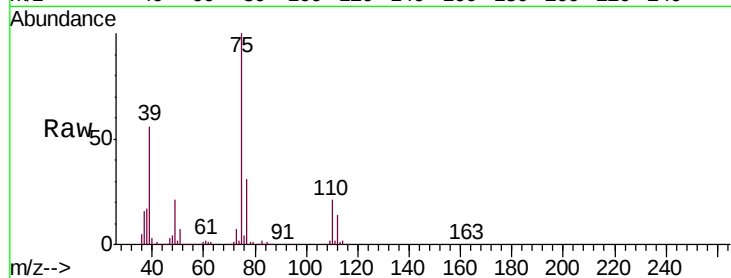
VSTD05045

Tgt Ion: 75 Resp: 407419

Ion Ratio Lower Upper

75 100

77 31.5 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 98.456 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

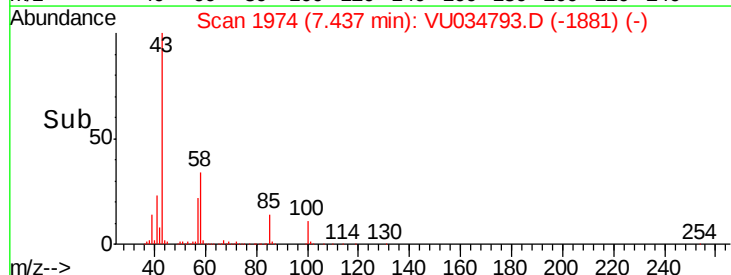
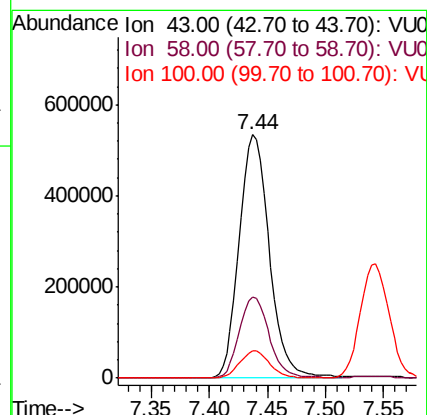
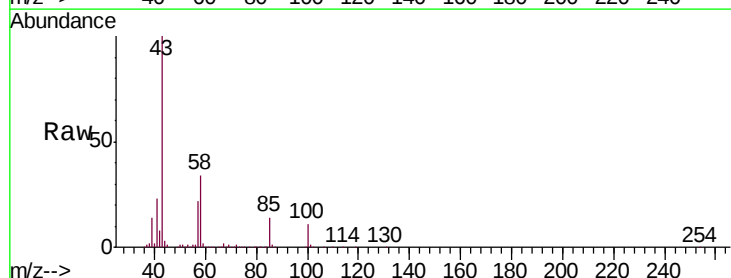
Tgt Ion: 43 Resp: 967310

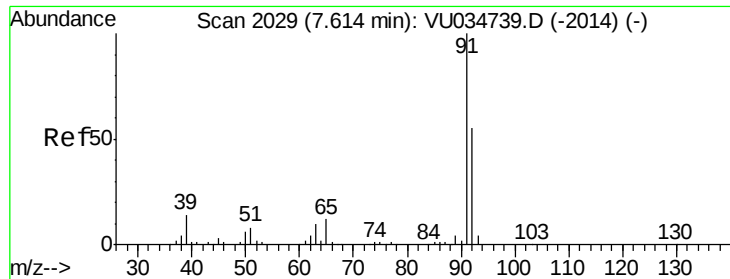
Ion Ratio Lower Upper

43 100

58 33.0 25.2 37.8

100 11.2 7.7 11.5





#42

Toluene

Concen: 54.074 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

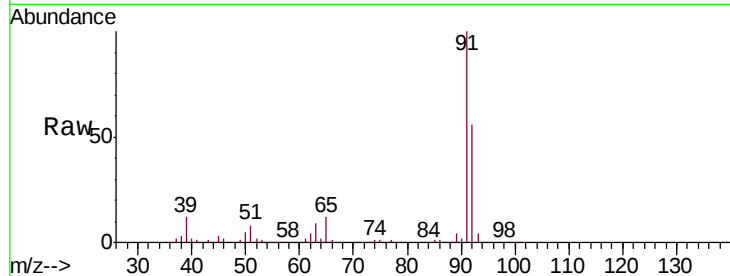
VSTD05045

Tgt Ion: 91 Resp: 1009976

Ion Ratio Lower Upper

91 100

92 55.5 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU034793.D (-2014) (-)

Ion 92.00 (91.70 to 92.70): VU034793.D (-2014) (-)

7.61

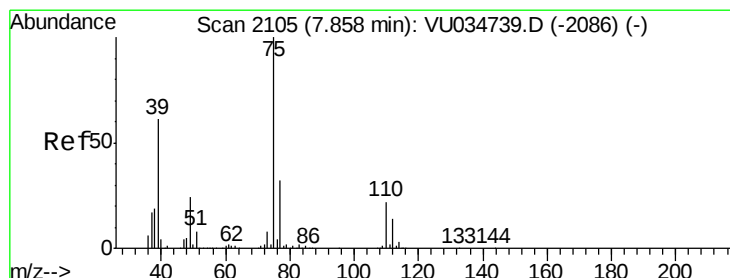
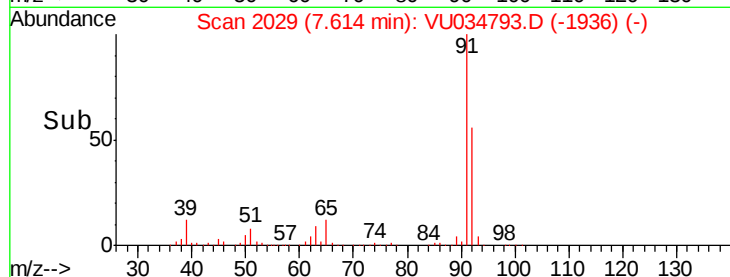
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.490 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034793.D

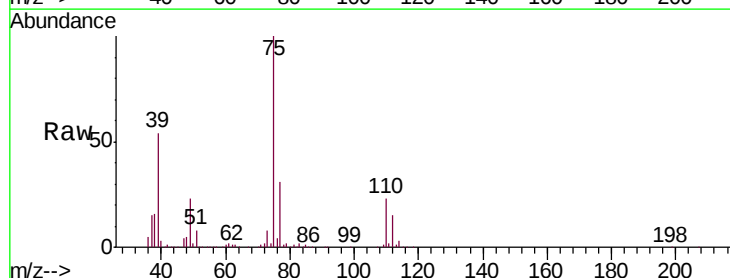
Acq: 25 Sep 2019 10:26

Tgt Ion: 75 Resp: 365888

Ion Ratio Lower Upper

75 100

77 31.0 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU034793.D (-2105) (-)

Ion 77.00 (76.70 to 77.70): VU034793.D (-2105) (-)

7.86

200000

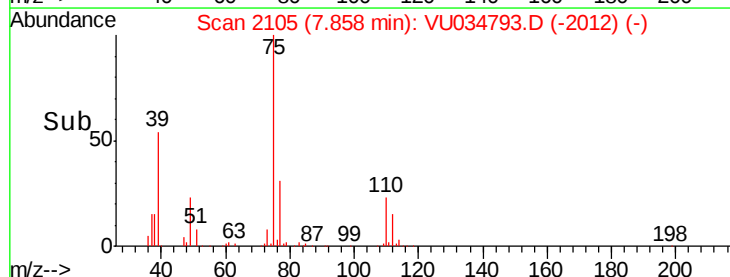
150000

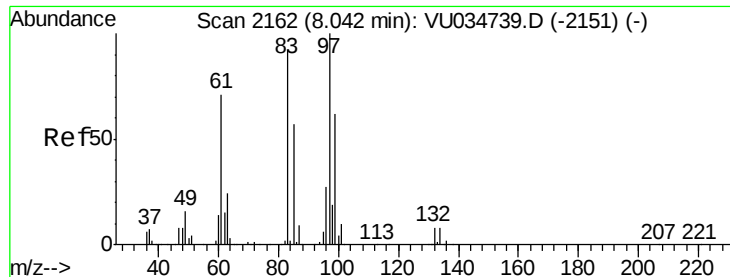
100000

50000

0

Time-->

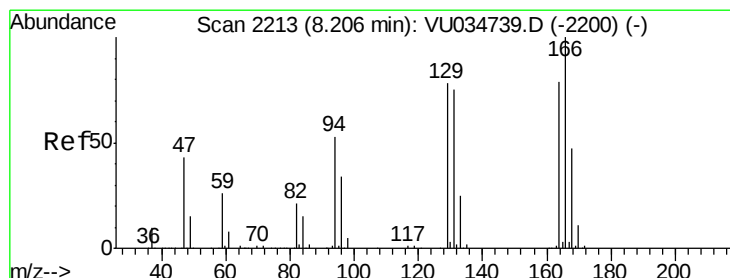
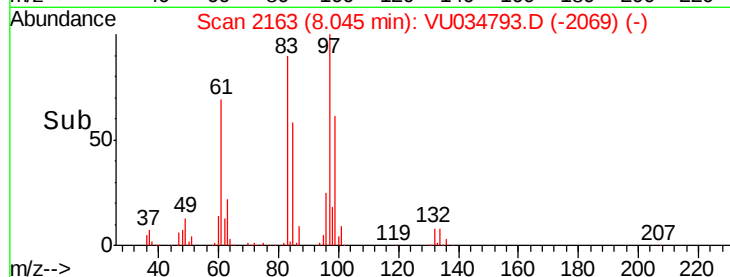
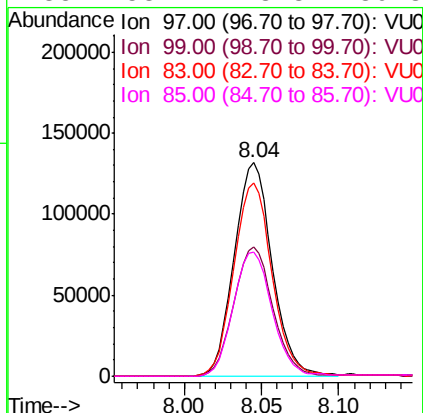
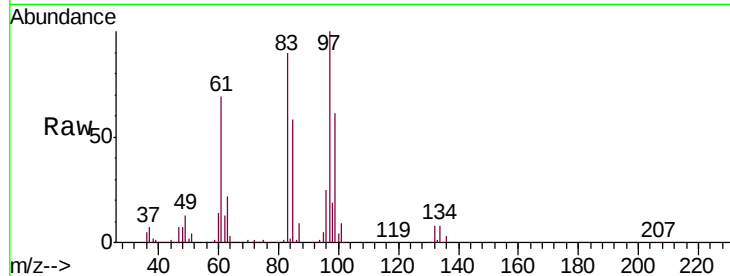




#45
 1,1,2-Trichloroethane
 Concen: 54.800 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

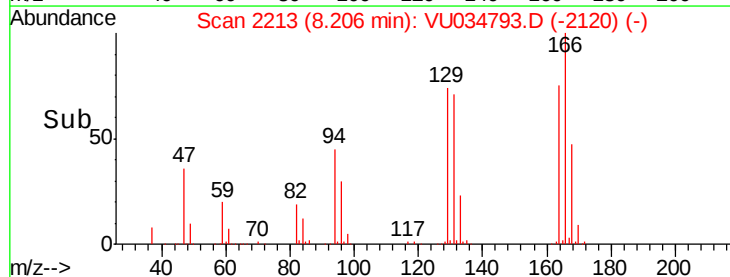
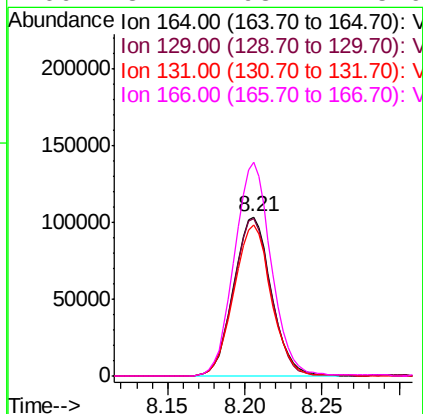
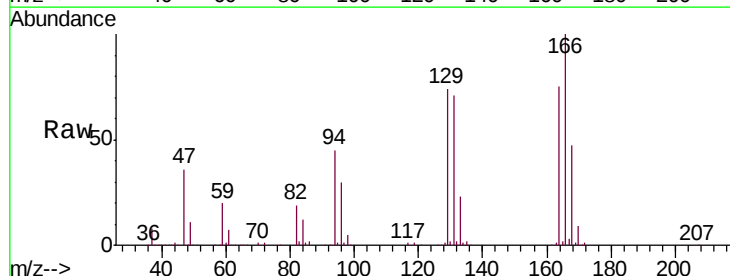
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

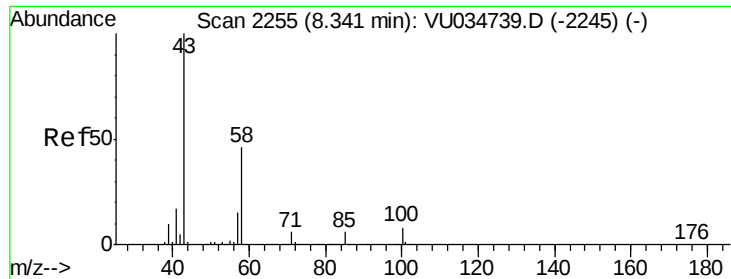
Tgt Ion:	97	Resp:	225888
Ion	Ratio	Lower	Upper
97	100		
99	60.6	43.6	81.0
83	90.3	66.9	124.3
85	58.1	43.3	80.3



#46
 Tetrachloroethene
 Concen: 58.257 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

Tgt Ion:	164	Resp:	174905
Ion	Ratio	Lower	Upper
164	100		
129	99.0	71.9	133.5
131	94.7	66.3	123.1
166	134.1	93.4	173.6

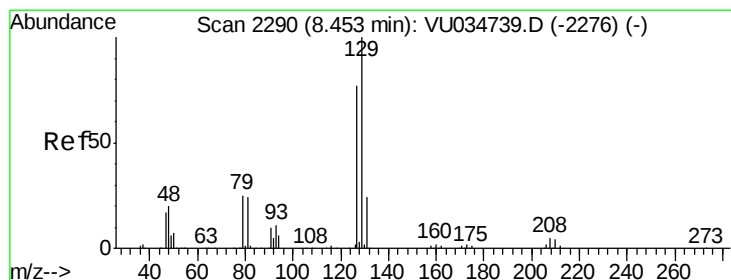
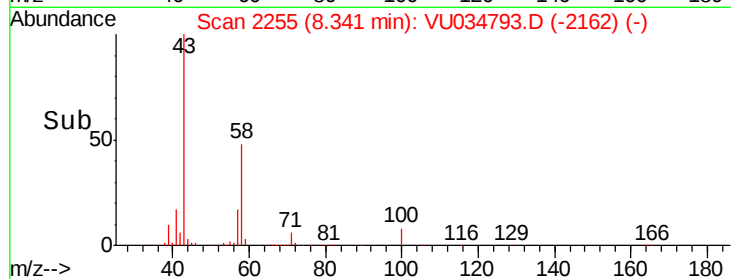
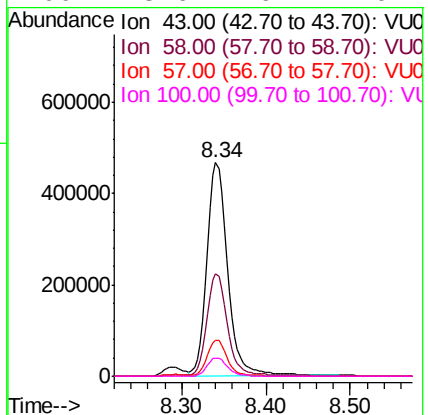
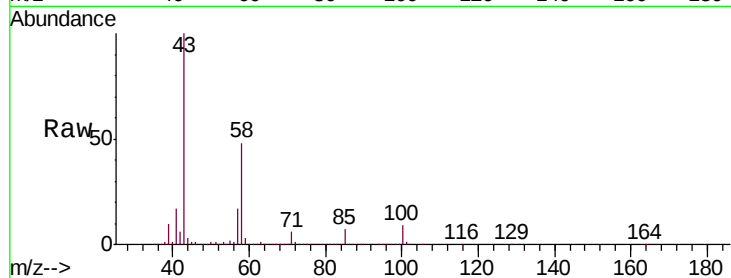




#48
2-Hexanone
Concen: 103.960 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

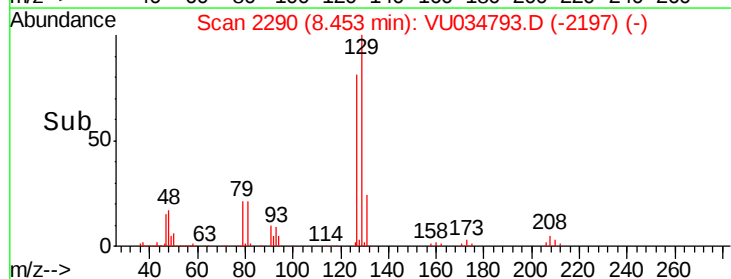
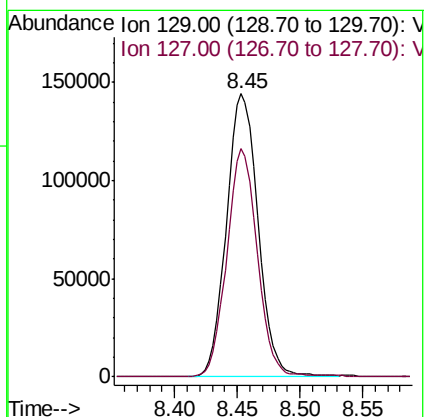
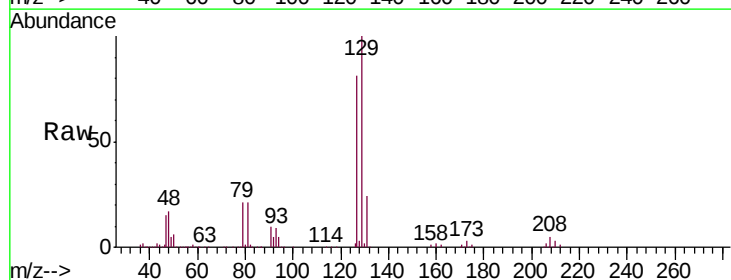
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

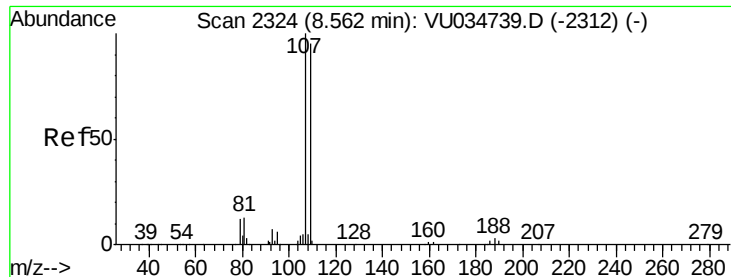
Tgt Ion:	43	Resp:	797719
Ion	Ratio	Lower	Upper
43	100		
58	46.3	35.3	52.9
57	16.2	12.1	18.1
100	8.6	6.2	9.4



#49
Dibromochloromethane
Concen: 55.035 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034793.D
Acq: 25 Sep 2019 10:26

Tgt Ion:	129	Resp:	252866
Ion	Ratio	Lower	Upper
129	100		
127	80.8	55.5	103.1

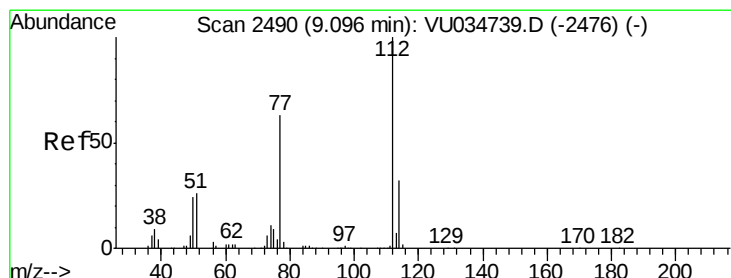
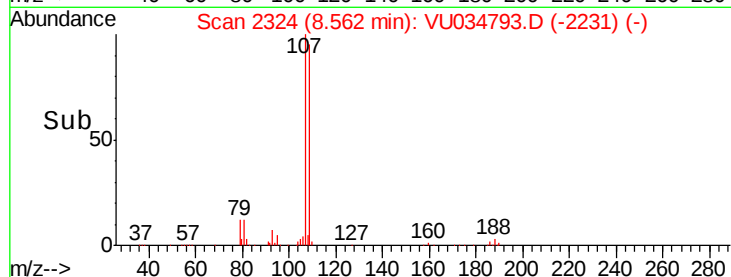
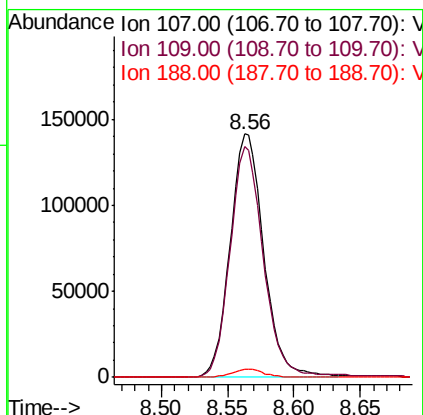
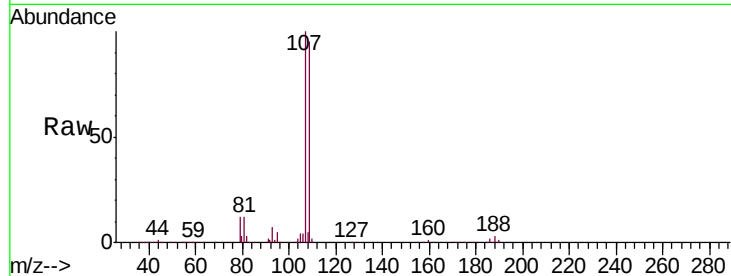




#50
 1,2-Dibromoethane
 Concen: 56.223 ug/L
 RT: 8.56 min Scan# 2324
 Delta R.T. -0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

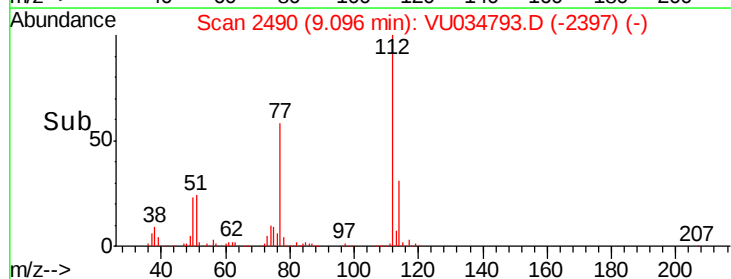
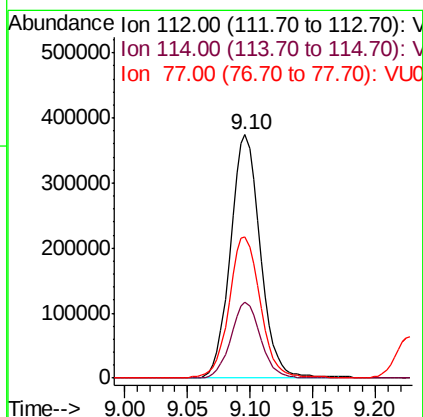
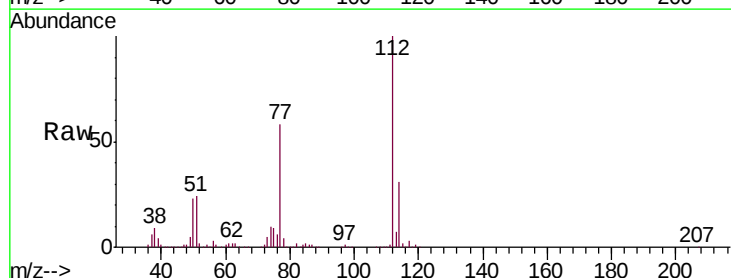
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

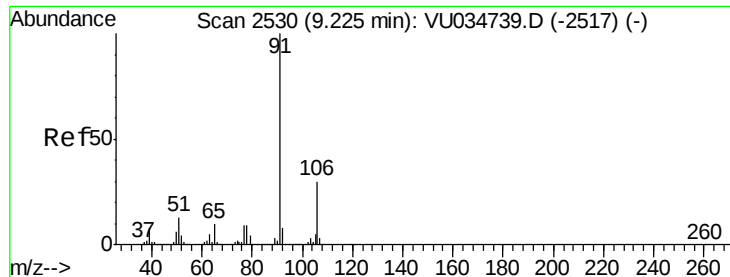
Tgt Ion:107 Resp: 249774
 Ion Ratio Lower Upper
 107 100
 109 94.8 65.5 121.6
 188 3.2 2.7 4.1



#51
 Chlorobenzene
 Concen: 54.498 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

Tgt Ion:112 Resp: 618773
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.8 42.4
 77 57.8 51.5 77.3





#52

Ethylbenzene

Concen: 53.197 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

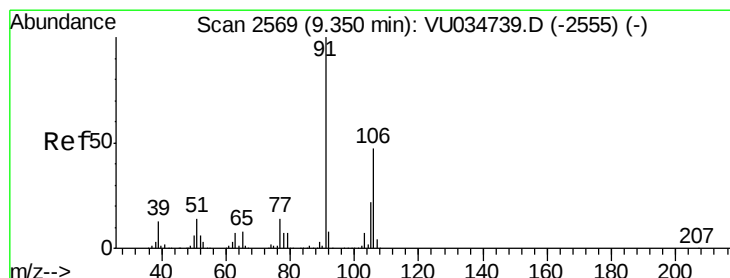
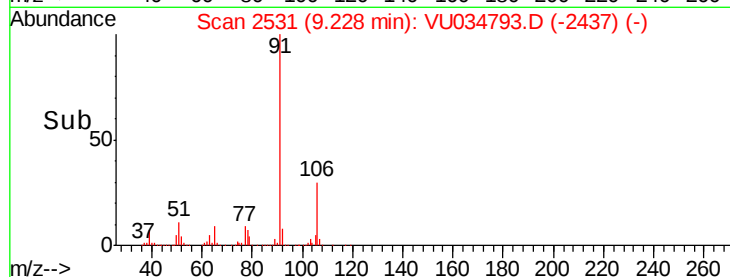
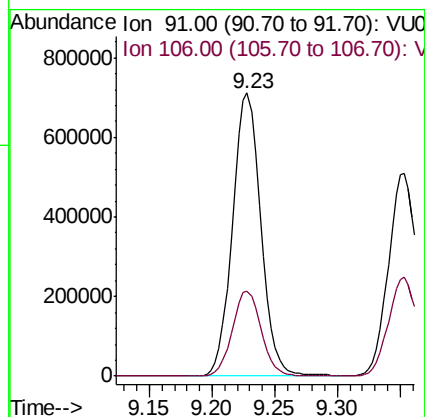
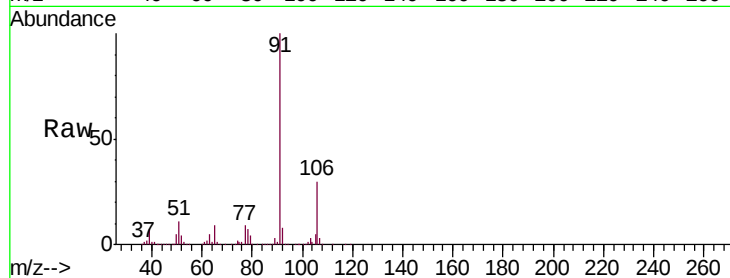
VSTD05045

Tgt Ion: 91 Resp: 1118862

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.4



#53

m,p-Xylene

Concen: 54.909 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034793.D

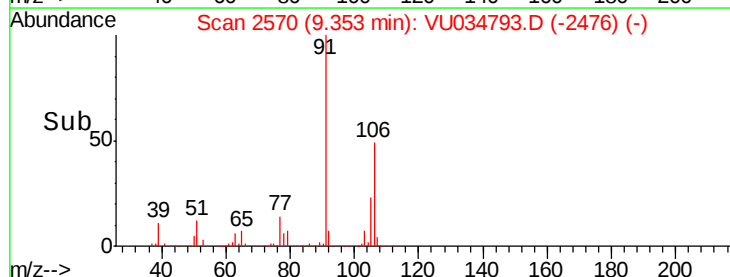
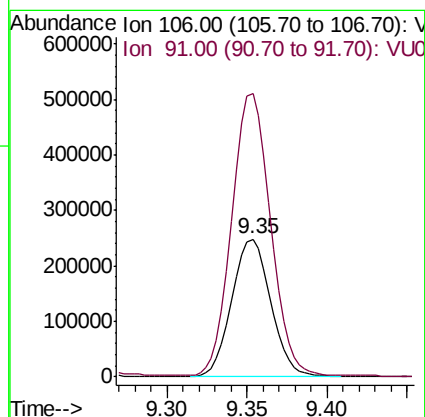
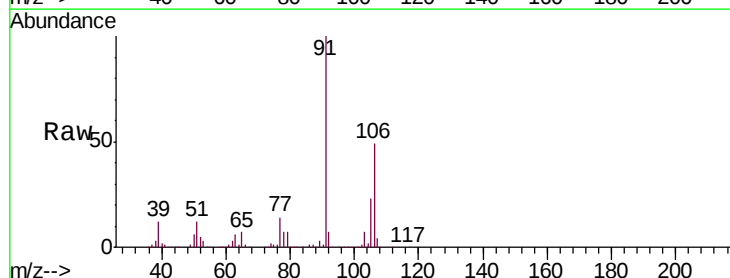
Acq: 25 Sep 2019 10:26

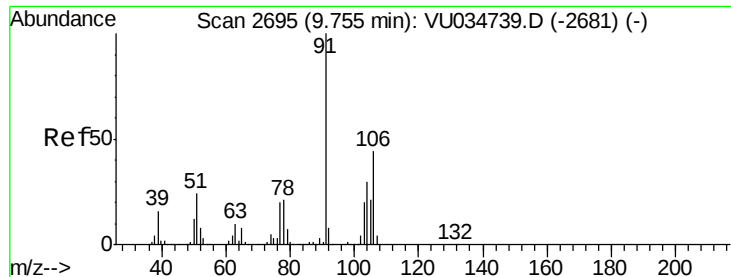
Tgt Ion: 106 Resp: 409049

Ion Ratio Lower Upper

106 100

91 205.8 146.9 272.7





#54

o-xylene

Concen: 54.623 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

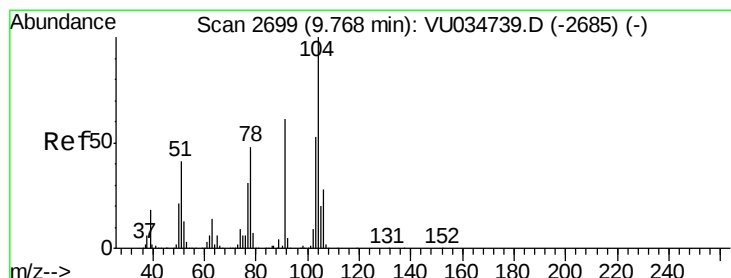
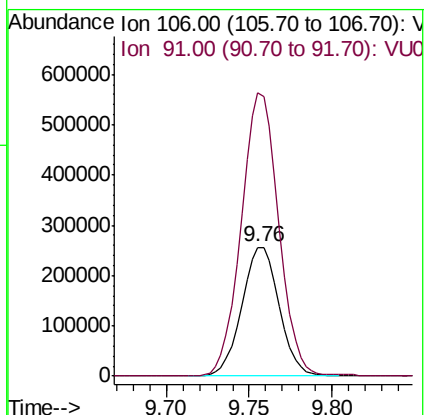
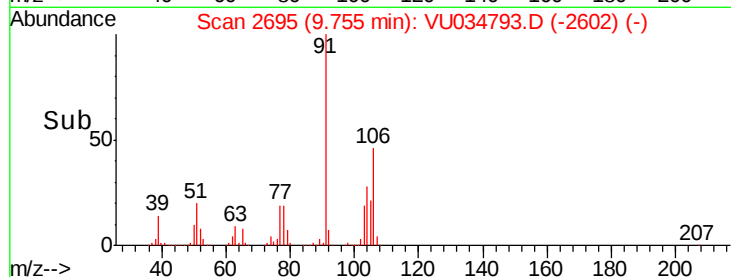
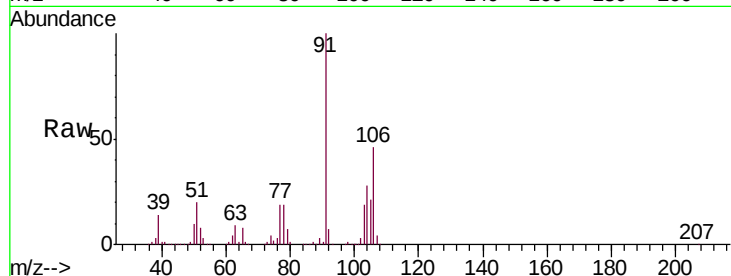
VSTD05045

Tgt Ion:106 Resp: 402478

Ion Ratio Lower Upper

106 100

91 219.7 155.6 289.0



#55

Styrene

Concen: 54.975 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VU034793.D

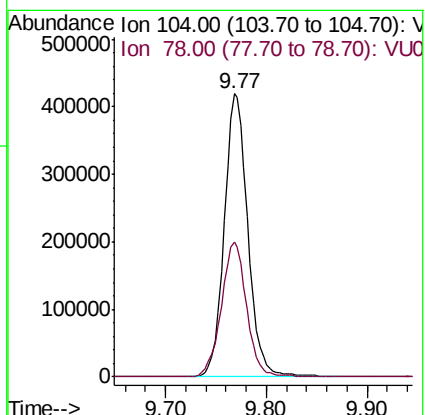
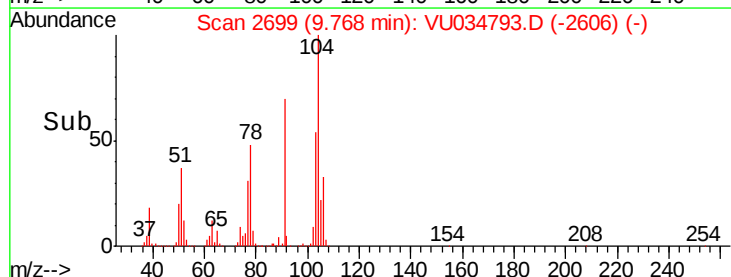
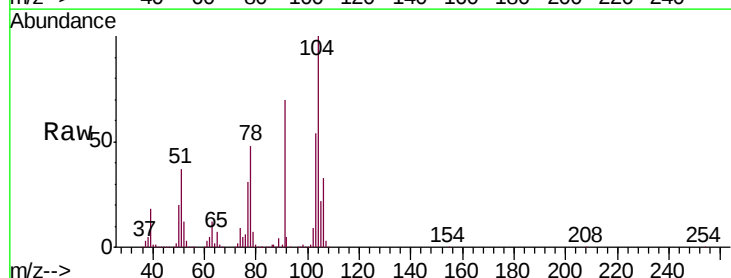
Acq: 25 Sep 2019 10:26

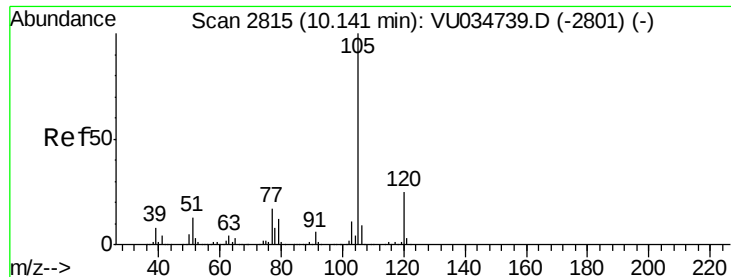
Tgt Ion:104 Resp: 685666

Ion Ratio Lower Upper

104 100

78 47.8 35.1 65.3





#56

Isopropylbenzene

Concen: 53.850 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. 0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

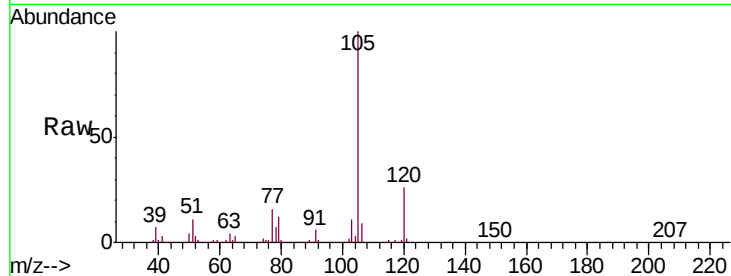
Tgt Ion:105 Resp: 1069868

Ion Ratio Lower Upper

105 100

120 26.4 20.4 30.6

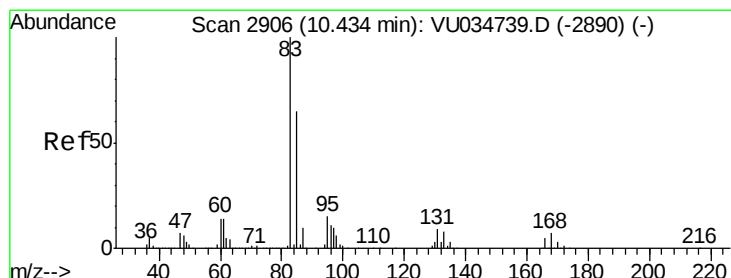
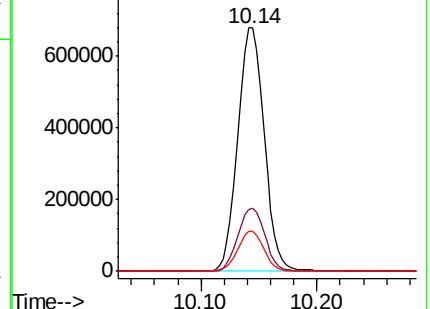
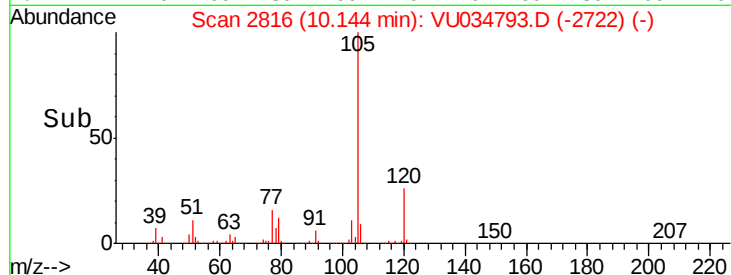
77 16.1 14.2 21.4



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: 52.076 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

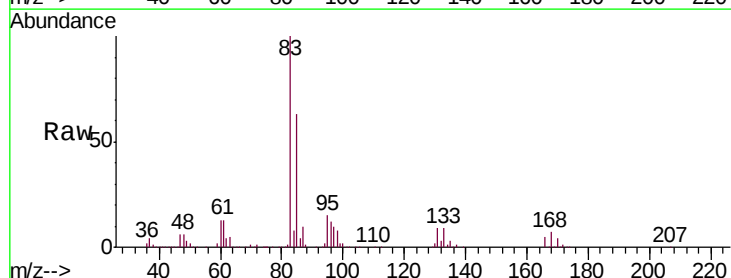
Tgt Ion: 83 Resp: 412291

Ion Ratio Lower Upper

83 100

85 63.0 44.6 82.8

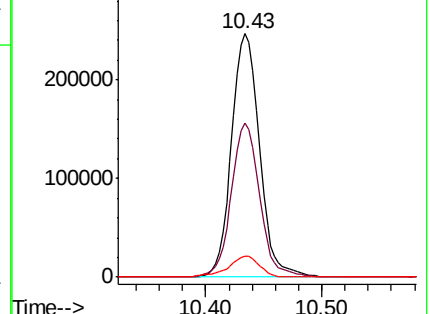
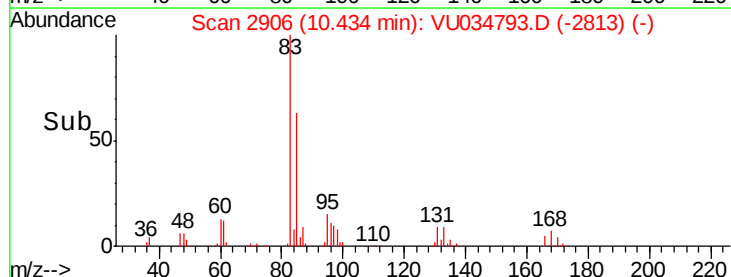
131 8.6 6.6 10.0

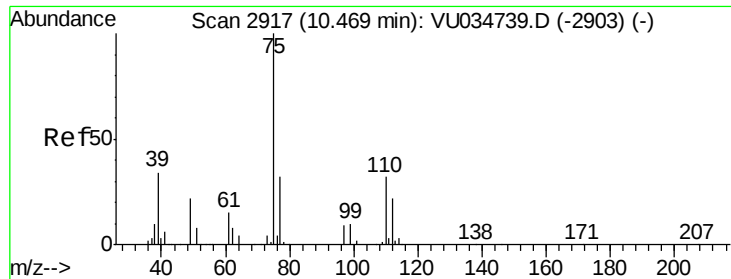


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.574 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

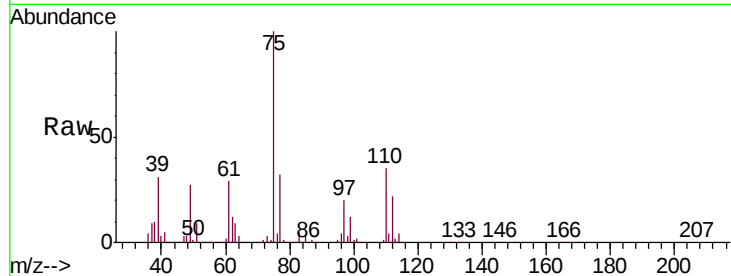
VSTD05045

Tgt Ion: 75 Resp: 318633

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU034793.D (-2903) (-)

Ion 77.00 (76.70 to 77.70): VU034793.D (-2903) (-)

10.47

200000

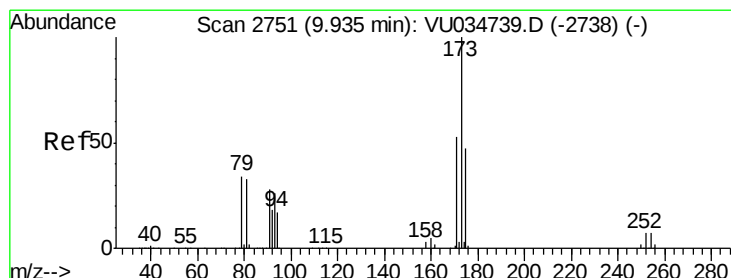
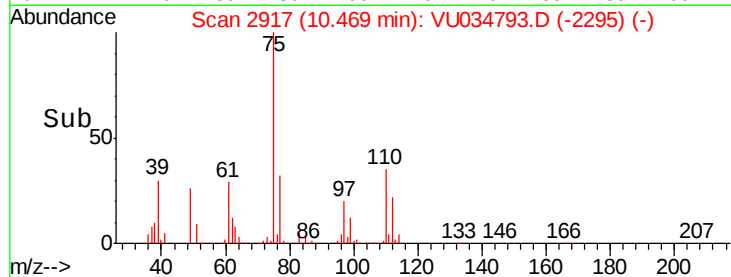
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 53.409 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

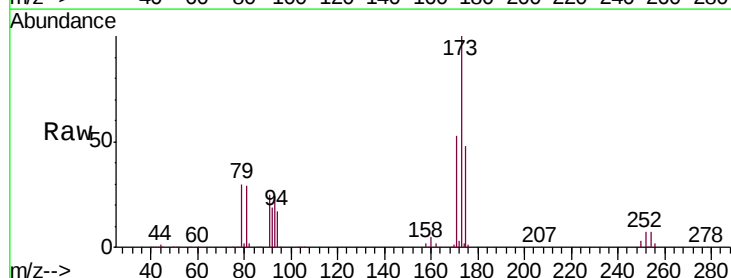
Tgt Ion: 173 Resp: 178746

Ion Ratio Lower Upper

173 100

175 48.6 38.8 58.2

254 7.0 5.3 7.9



Abundance Ion 173.00 (172.70 to 173.70): VU034793.D (-2738) (-)

Ion 175.00 (174.70 to 175.70): VU034793.D (-2738) (-)

Ion 254.00 (253.70 to 254.70): VU034793.D (-2738) (-)

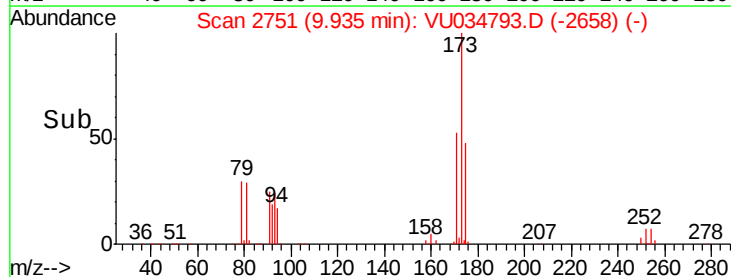
9.94

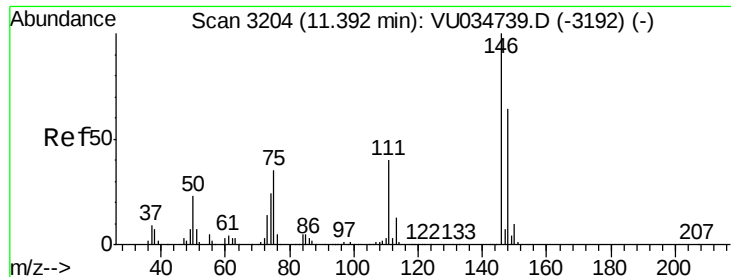
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 56.300 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

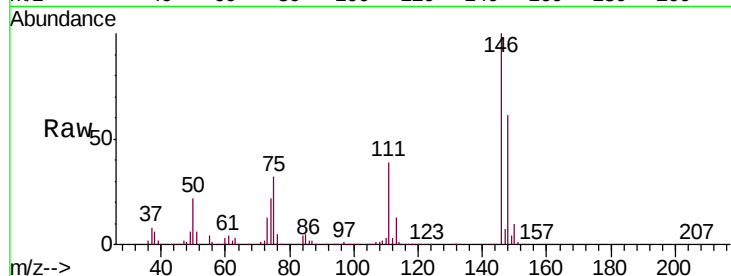
Tgt Ion:146 Resp: 473927

Ion Ratio Lower Upper

146 100

111 39.4 30.4 56.5

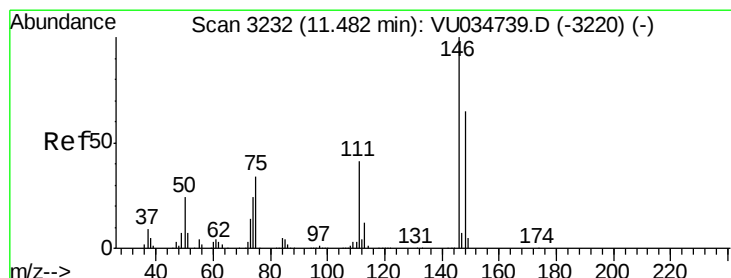
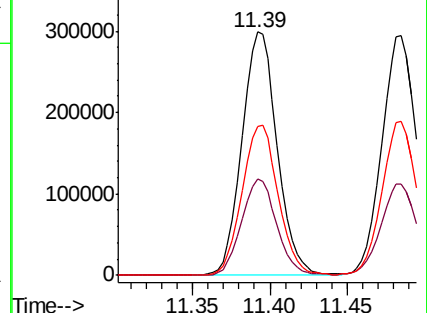
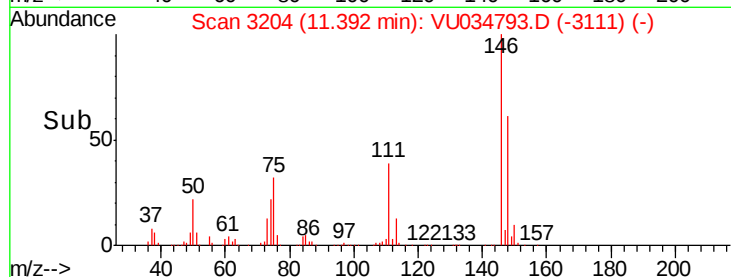
148 61.4 46.1 85.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 55.461 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

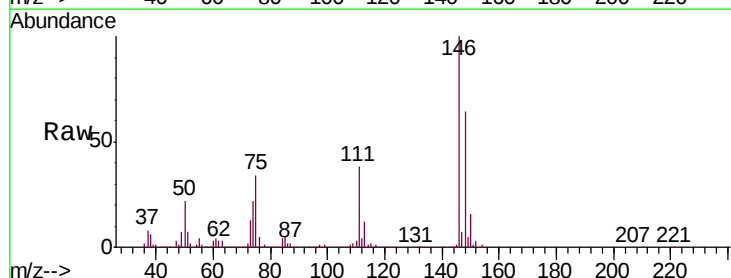
Tgt Ion:146 Resp: 475582

Ion Ratio Lower Upper

146 100

111 38.2 29.5 54.9

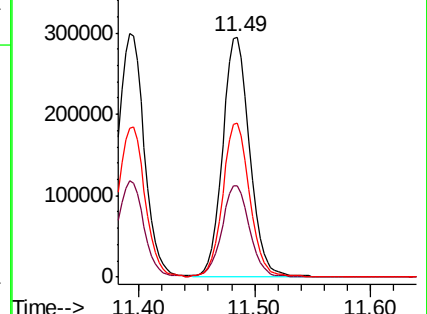
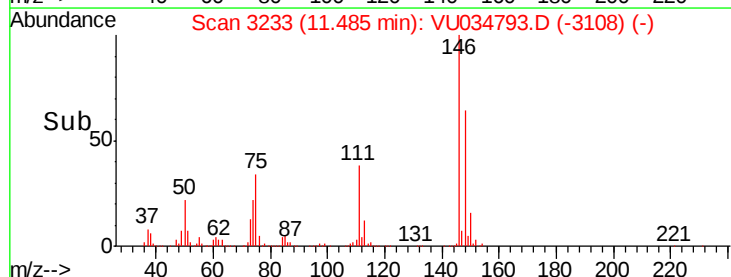
148 64.4 44.4 82.4

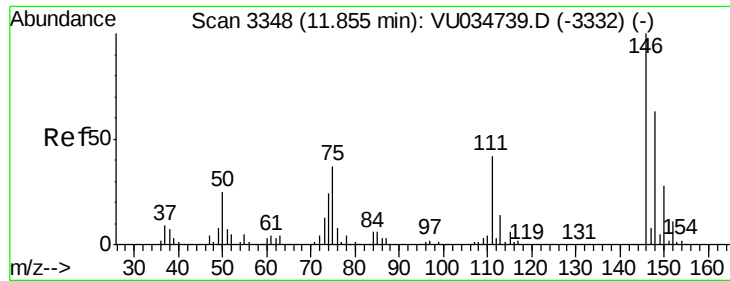


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

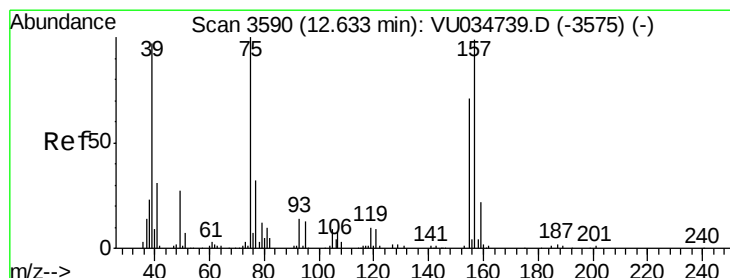
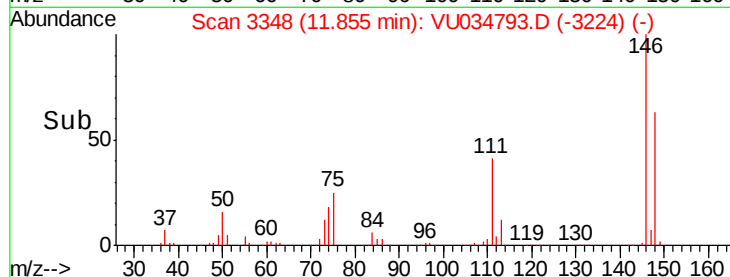
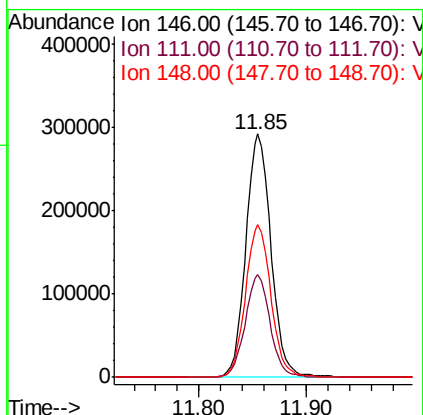
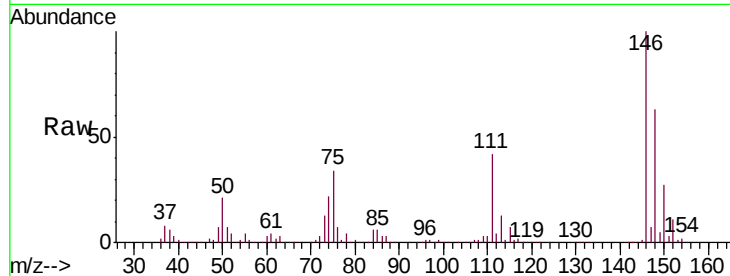




#65
 1,2-Dichlorobenzene
 Concen: 55.584 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

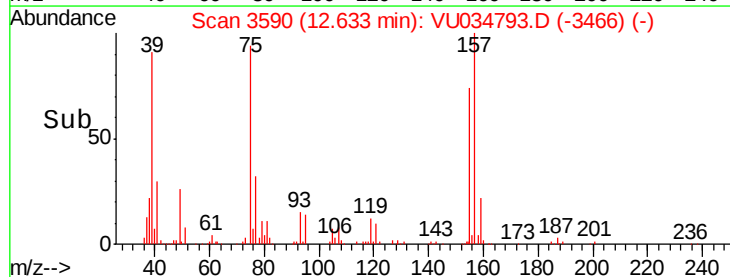
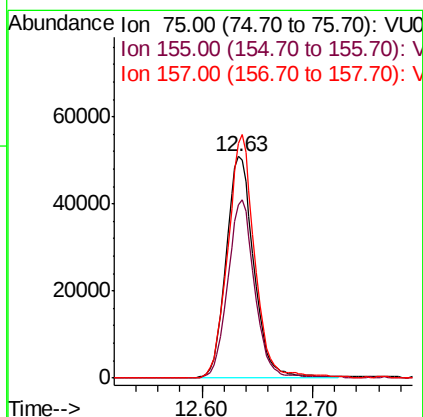
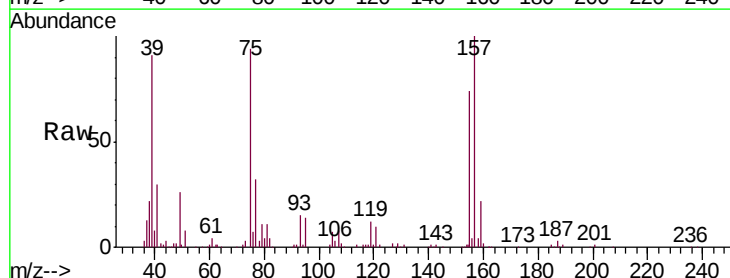
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

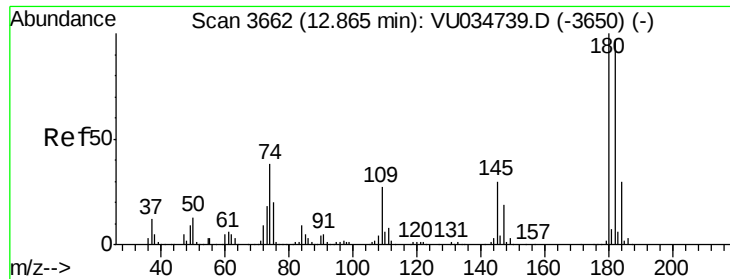
Tgt Ion: 146 Resp: 472764
 Ion Ratio Lower Upper
 146 100
 111 42.2 35.2 52.8
 148 62.9 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.271 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

Tgt Ion: 75 Resp: 89076
 Ion Ratio Lower Upper
 75 100
 155 78.4 54.7 82.1
 157 106.0 69.9 104.9#

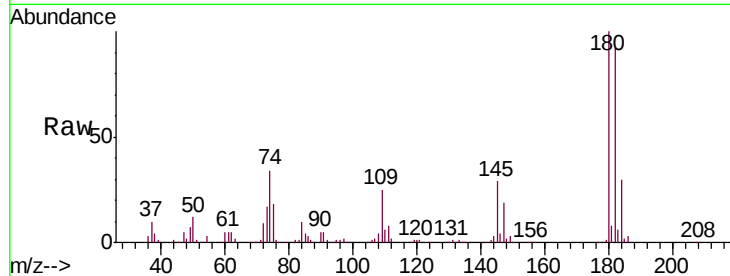




#67
 1,3,5-Trichlorobenzene
 Concen: 57.125 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:	180	Resp:	322194
Ion	Ratio	Lower	Upper
180	100		
182	94.7	79.2	118.8
184	30.3	24.6	36.8
145	29.4	24.9	37.3



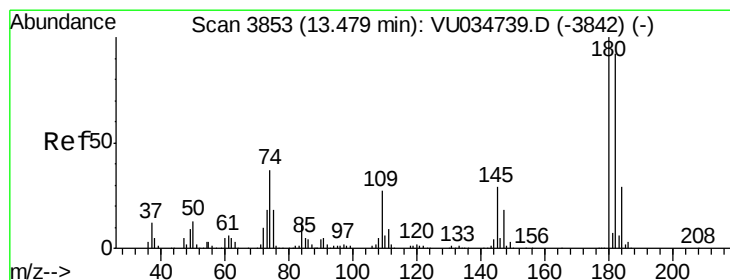
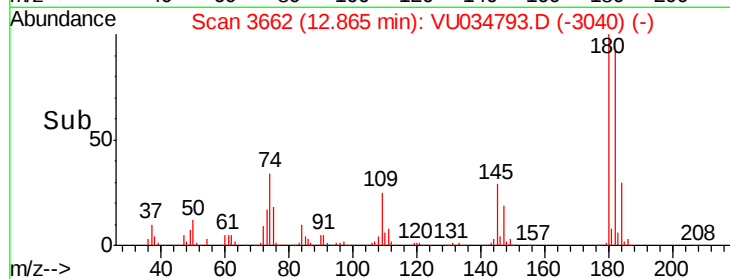
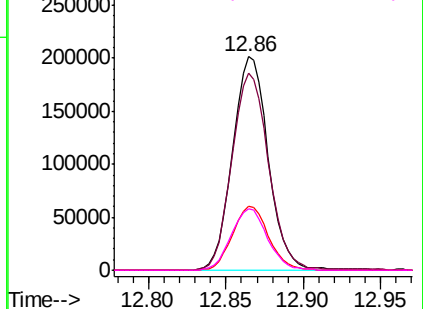
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

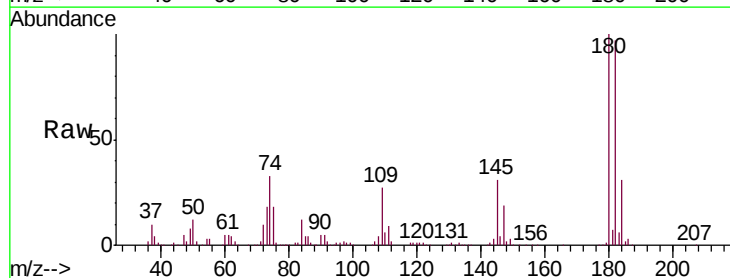
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 64.928 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034793.D
 Acq: 25 Sep 2019 10:26

Tgt Ion:	180	Resp:	287975
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.7	113.5
145	30.4	25.2	37.8

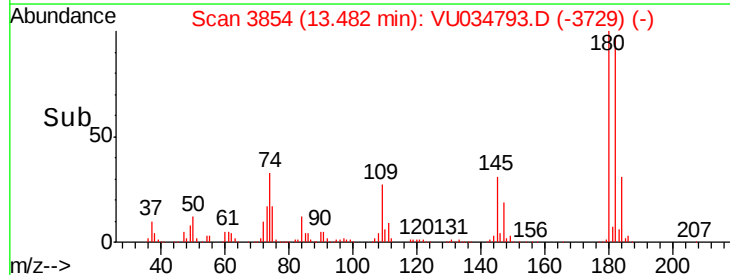
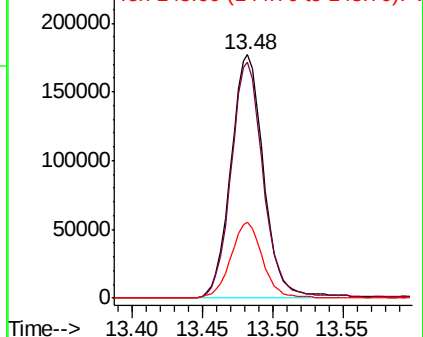


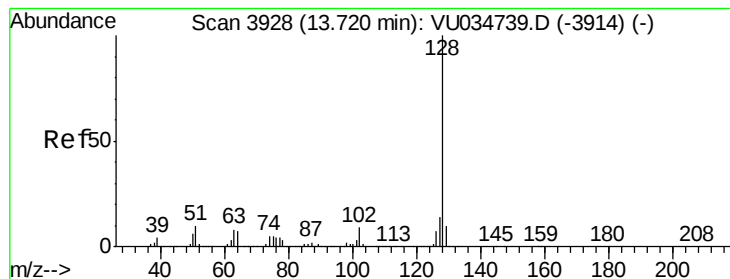
Abundance

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: 66.927 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

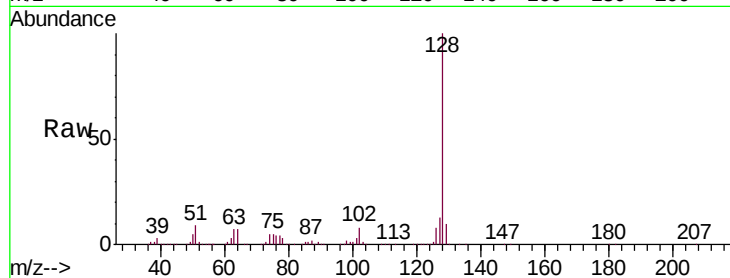
Tgt Ion:128 Resp: 1027613

Ion Ratio Lower Upper

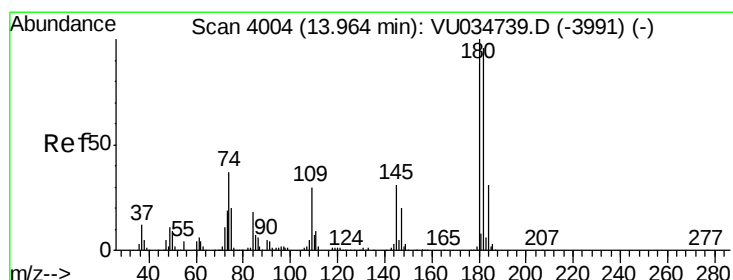
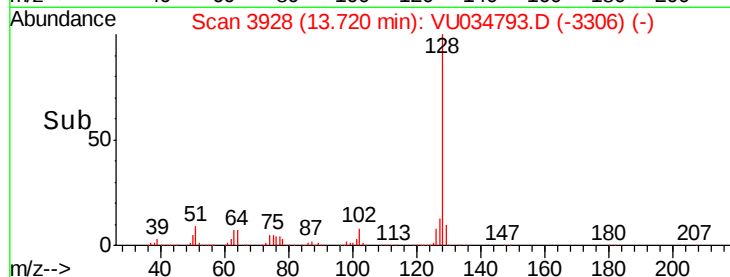
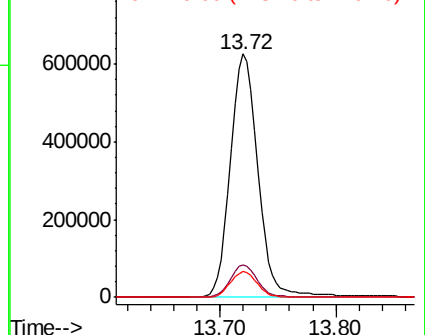
128 100

127 13.3 10.8 16.2

129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 61.940 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034793.D

Acq: 25 Sep 2019 10:26

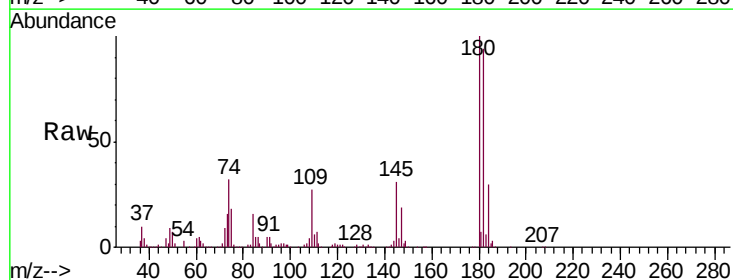
Tgt Ion:180 Resp: 282680

Ion Ratio Lower Upper

180 100

182 96.6 79.2 118.8

145 32.9 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

