

Data File : VU034549.D
Acq On : 16 Sep 2019 10:50
Operator : JC/SP
Sample : VSTD005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Quant Time: Sep 16 12:44:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 16 12:41:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	409525	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	379352	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	171404	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	9089	2.53	ug/L	0.00
7) Chloroethane-d5	1.67	69	6914	2.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	19459	3.00	ug/L	0.00
21) 2-Butanone-d5	4.17	46	14160	5.86	ug/L	0.02
24) Chloroform-d	4.62	84	20239	3.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	12598	3.33	ug/L	0.00
32) Benzene-d6	5.32	84	38679	3.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	14667	4.19	ug/L	0.00
41) Toluene-d8	7.54	98	37251	3.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	6718	4.16	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	13108	9.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	22156	4.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	13879	3.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	10596	2.795 ug/L	99
3) Chloromethane	1.32	50	11405	3.131 ug/L	96
5) Vinyl chloride	1.40	62	10723	2.506 ug/L	99
6) Bromomethane	1.62	94	6362	3.837 ug/L	96
8) Chloroethane	1.69	64	6116	2.383 ug/L	92
9) Trichlorofluoromethane	1.88	101	15965	3.181 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	9043	3.152 ug/L	96
12) 1,1-Dichloroethene	2.27	96	8817	3.192 ug/L	88
13) Acetone	2.31	43	18122	8.210 ug/L	98
14) Carbon disulfide	2.46	76	20078	2.260 ug/L	# 95
15) Methyl Acetate	2.60	43	12461	3.242 ug/L	98
16) Methylene chloride	2.68	84	11432	3.435 ug/L	95
17) trans-1,2-Dichloroethene	2.96	96	8934	3.012 ug/L	95
18) Methyl tert-butyl Ether	2.98	73	37045	4.125 ug/L	95
19) 1,1-Dichloroethane	3.42	63	19720	3.336 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	11458	3.509 ug/L	100
22) 2-Butanone	4.25	43	15501	5.590 ug/L	84
23) Bromochloromethane	4.52	128	2446	1.457 ug/L	95
25) Chloroform	4.65	83	21575	3.685 ug/L	91
27) 1,2-Dichloroethane	5.39	62	14307	3.114 ug/L	99
29) Cyclohexane	4.97	56	16625	3.798 ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	16600	3.800 ug/L	97
31) Carbon tetrachloride	5.11	117	13669	3.525 ug/L	99
33) Benzene	5.37	78	41073	3.581 ug/L	100
34) Trichloroethene	6.17	95	10097	3.392 ug/L	95
35) Methylcyclohexane	6.39	83	16700	3.722 ug/L	99
37) 1,2-Dichloropropane	6.41	63	12769	4.069 ug/L	100
38) Bromodichloromethane	6.74	83	16878	4.162 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	17038	3.653 ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	40033	8.907 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Mon Sep 16 12:41:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	43815	3.691	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	16109	3.832	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	10969	3.810	ug/L	95
46) Tetrachloroethene	8.21	164	6919	2.991	ug/L	86
48) 2-Hexanone	8.35	43	28169	8.071	ug/L	96
49) Dibromochloromethane	8.46	129	12333	3.861	ug/L	99
50) 1,2-Dibromoethane	8.57	107	12208	3.976	ug/L	98
51) Chlorobenzene	9.10	112	29471	3.754	ug/L	96
52) Ethylbenzene	9.23	91	50786	3.961	ug/L	98
53) m,p-Xylene	9.36	106	18030	3.816	ug/L	99
54) o-xylene	9.76	106	18439	3.959	ug/L	86
55) Styrene	9.77	104	29875	3.767	ug/L	99
56) Isopropylbenzene	10.14	105	50462	4.170	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	22747	4.558	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	16292	4.062	ug/L	99
61) Bromoform	9.94	173	8651	4.001	ug/L #	98
62) 1,3-Dichlorobenzene	11.40	146	21224	3.942	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	21642	3.879	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	20708	3.855	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	4248	4.312	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	12142	2.934	ug/L	95
68) 1,2,4-trichlorobenzene	13.49	180	7692	2.267	ug/L	94
69) Naphthalene	13.73	128	27910	2.755	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.97	180	8879	2.476	ug/L	96

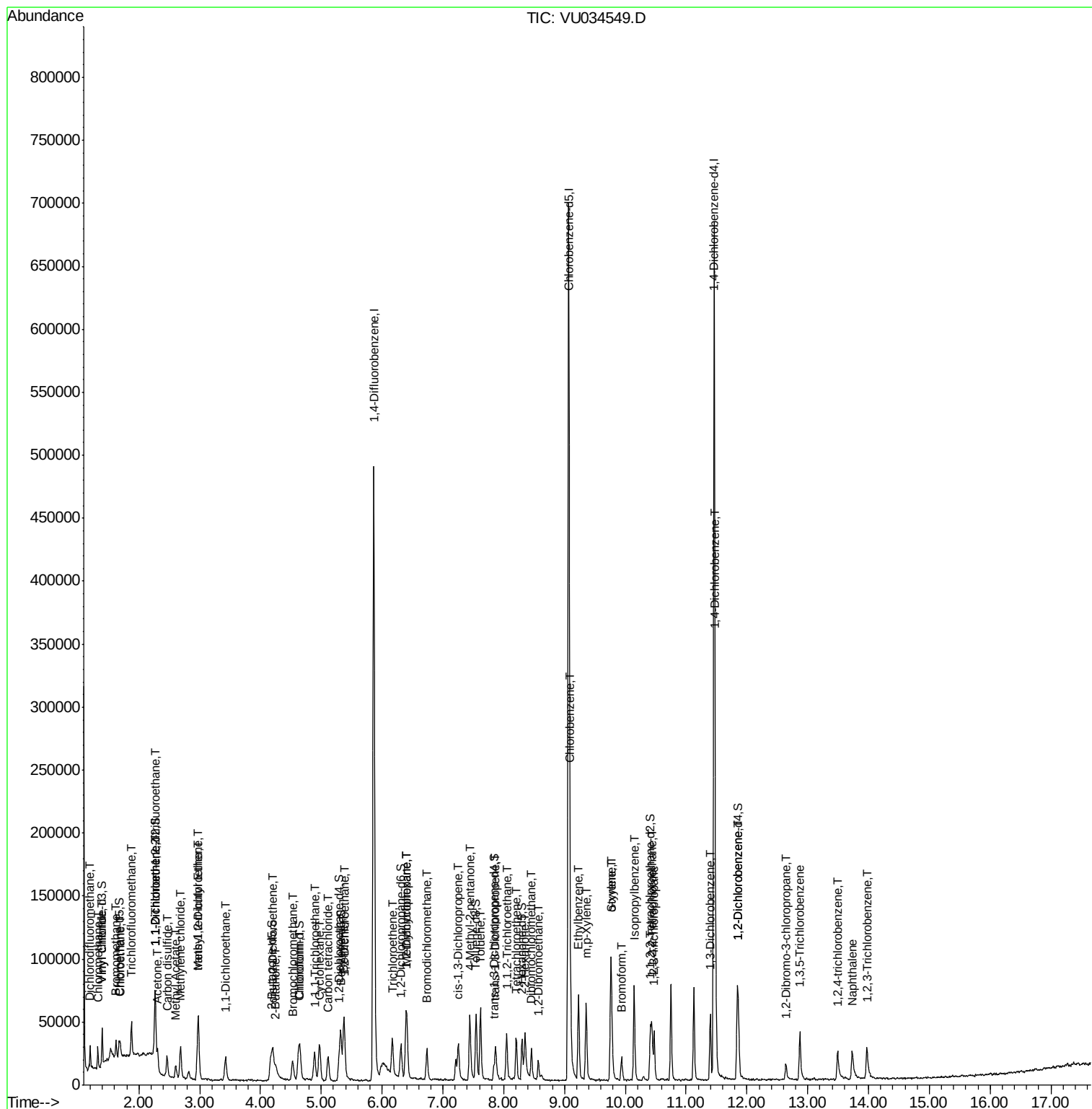
(#) = qualifier out of range (m) = manual integration (+) = signals summed

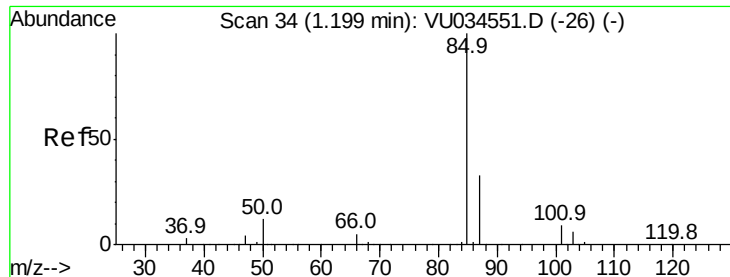
Data File : VU034549.D

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Acq On       : 16 Sep 2019   10:50
Operator     : JC/SP
Sample       : VSTD005
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 2.795 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

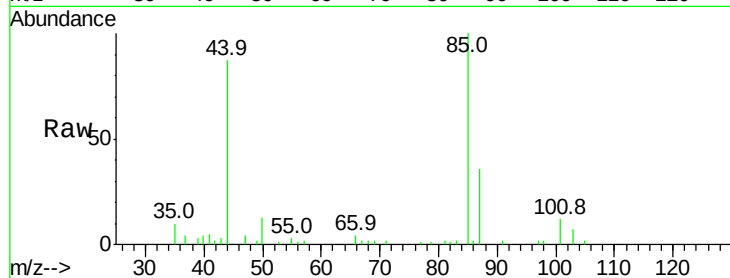
VSTD00536

Tgt Ion: 85 Resp: 10596

Ion Ratio Lower Upper

85 100

87 33.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU034551.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034551.D (-26) (-)

1.20

10000

8000

6000

4000

2000

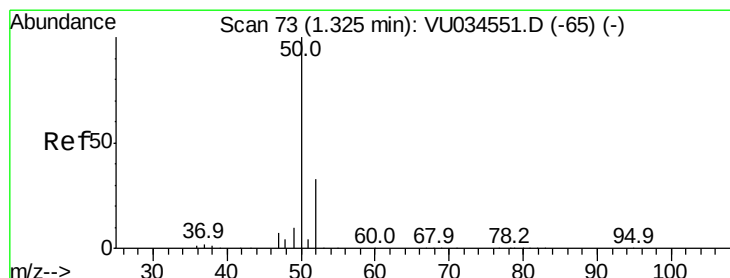
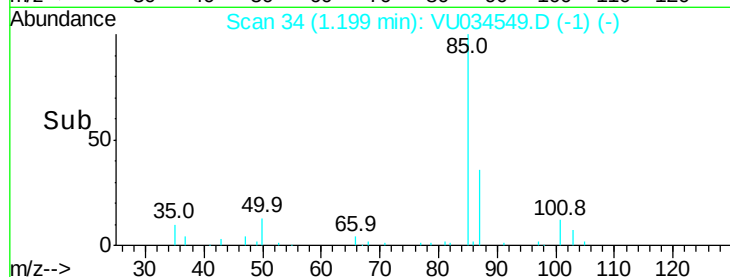
0

Time-->

1.15

1.20

1.25



#3

Chloromethane

Concen: 3.131 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034549.D

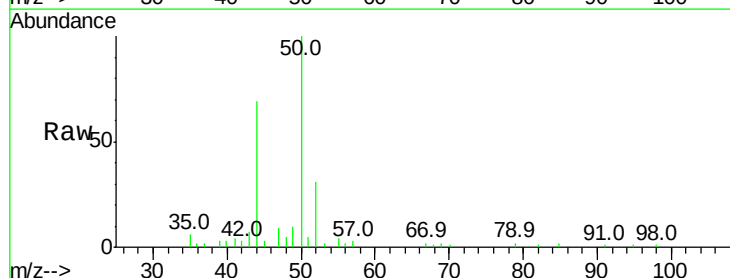
Acq: 16 Sep 2019 10:50

Tgt Ion: 50 Resp: 11405

Ion Ratio Lower Upper

50 100

52 30.7 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU034551.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034551.D (-65) (-)

1.32

12000

10000

8000

6000

4000

2000

0

Time-->

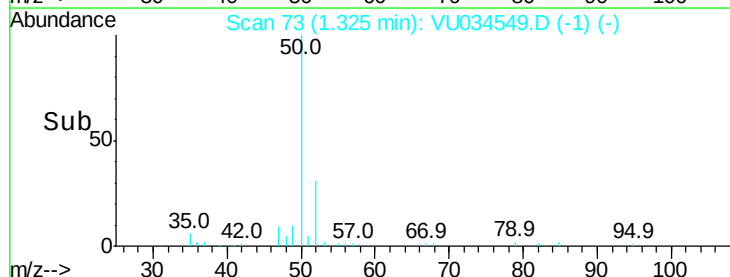
1.28

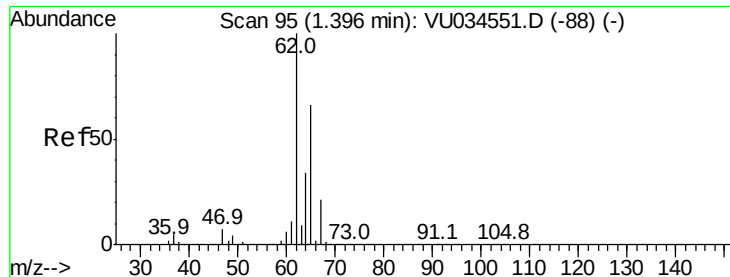
1.30

1.32

1.34

1.36





#5

Vinyl chloride

Concen: 2.506 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

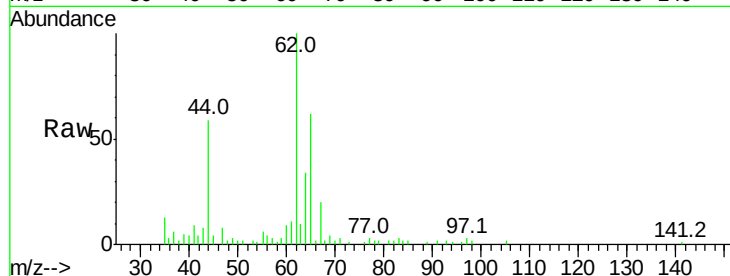
VSTD00536

Tgt Ion: 62 Resp: 10723

Ion Ratio Lower Upper

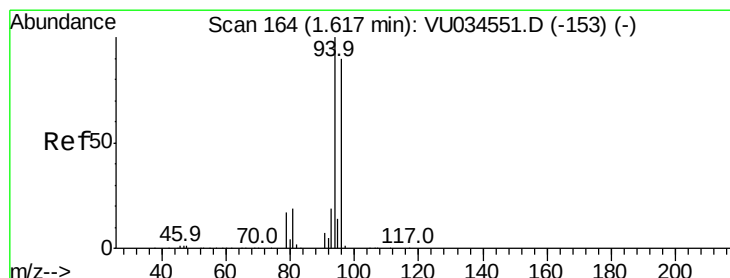
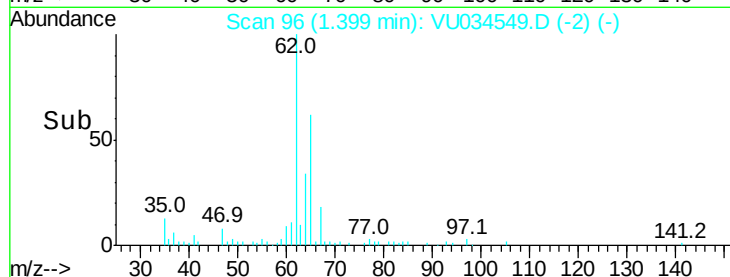
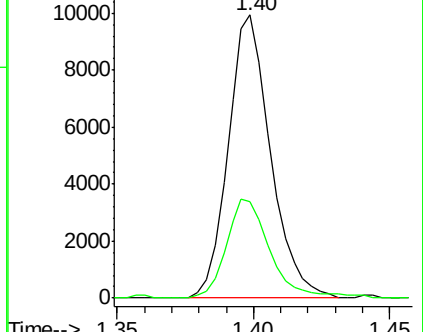
62 100

64 34.1 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU034549.D (-96) (-)

Ion 64.00 (63.70 to 64.70): VU034549.D (-96) (-)



#6

Bromomethane

Concen: 3.837 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU034549.D

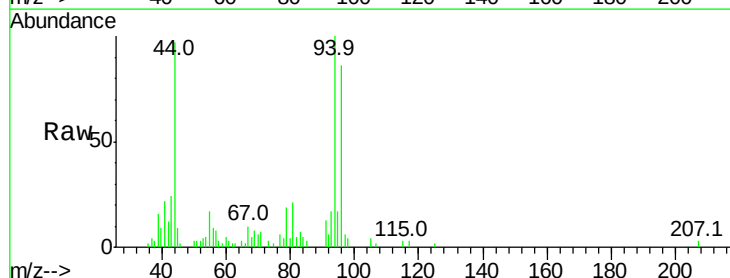
Acq: 16 Sep 2019 10:50

Tgt Ion: 94 Resp: 6362

Ion Ratio Lower Upper

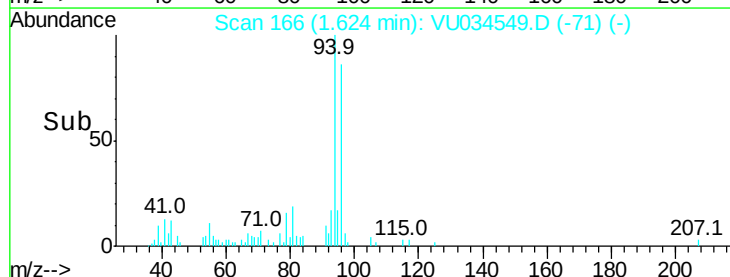
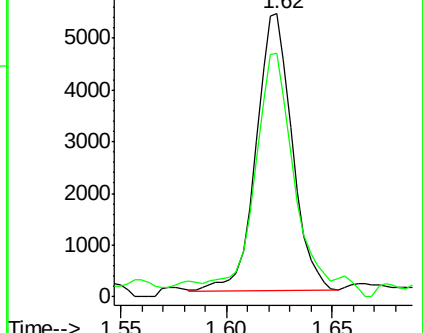
94 100

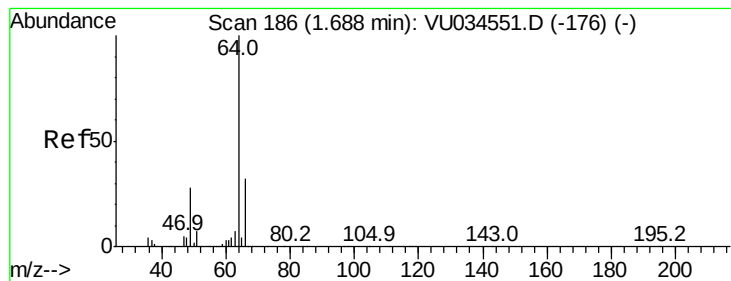
96 85.9 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU034549.D (-166) (-)

Ion 96.00 (95.70 to 96.70): VU034549.D (-166) (-)





#8

Chloroethane

Concen: 2.383 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

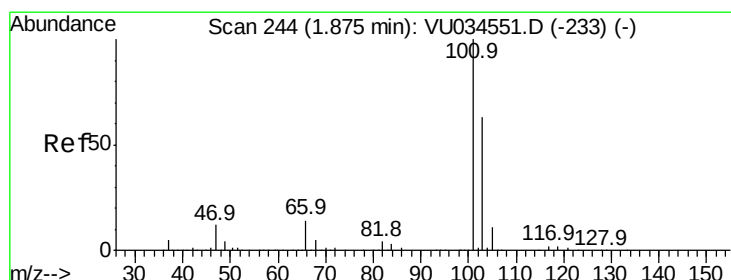
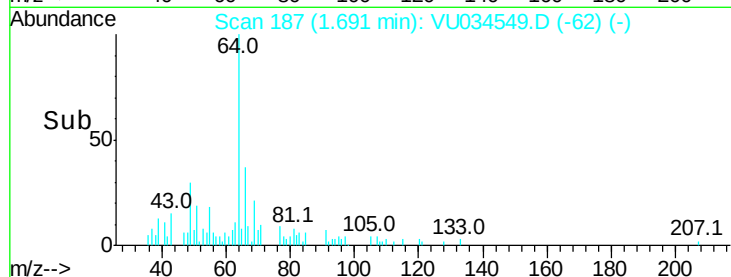
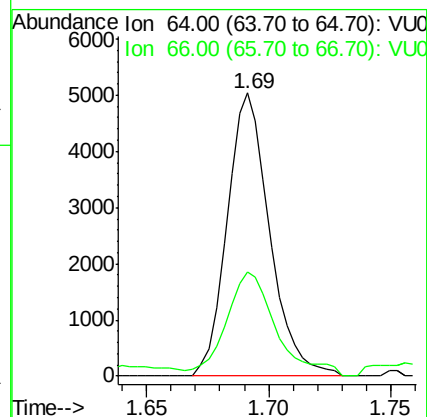
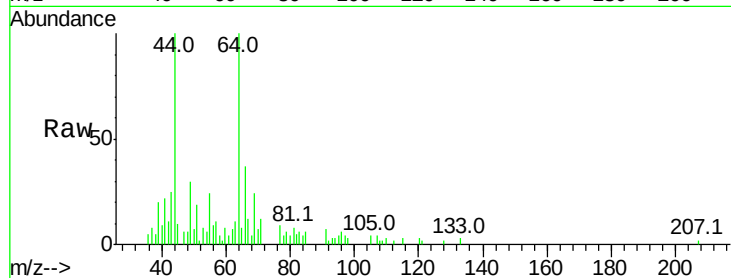
VSTD00536

Tgt Ion: 64 Resp: 6116

Ion Ratio Lower Upper

64 100

66 36.7 22.7 42.1



#9

Trichlorofluoromethane

Concen: 3.181 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034549.D

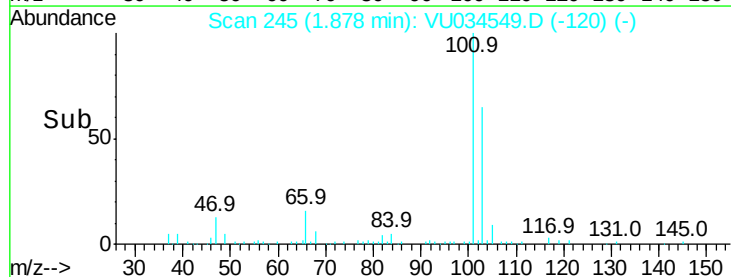
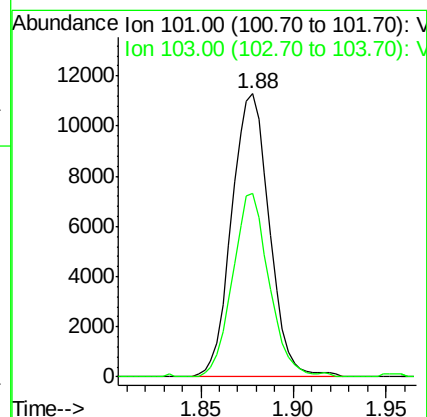
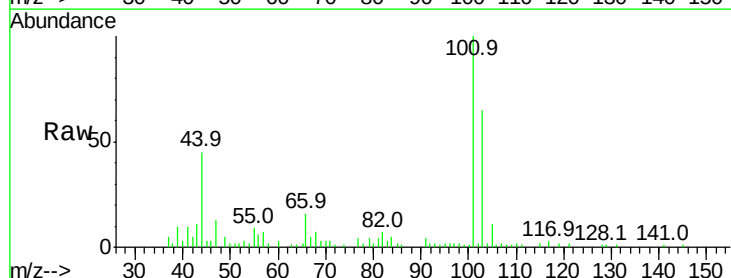
Acq: 16 Sep 2019 10:50

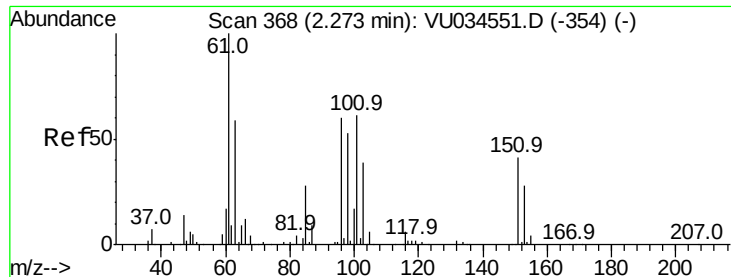
Tgt Ion: 101 Resp: 15965

Ion Ratio Lower Upper

101 100

103 62.4 50.7 76.1





#10

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

Concen: 3.152 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

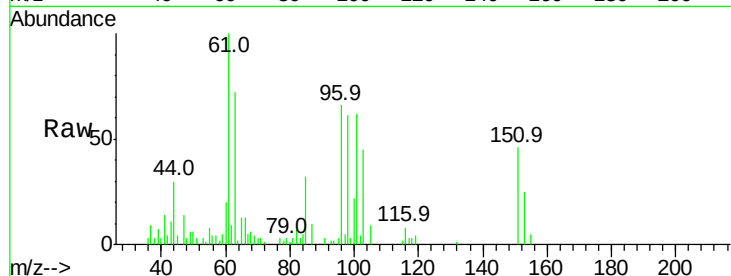
Tgt Ion:101 Resp: 9043

Ion Ratio Lower Upper

101 100

85 52.8 37.0 55.6

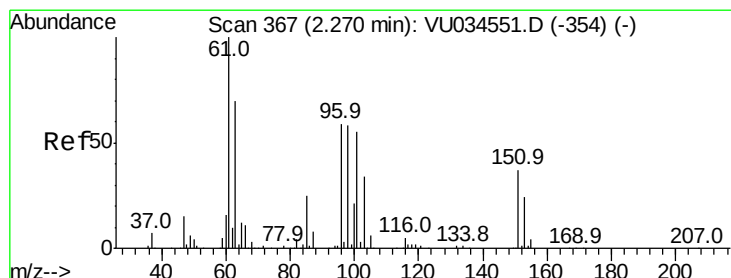
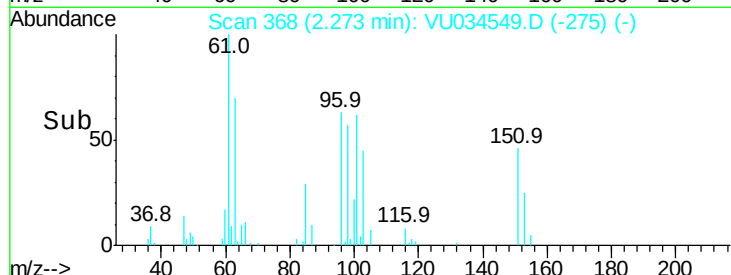
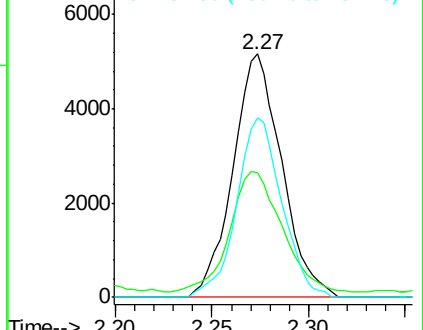
151 68.2 54.1 81.1



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: 3.192 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

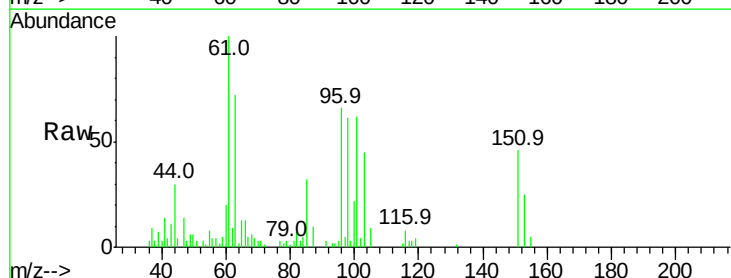
Tgt Ion: 96 Resp: 8817

Ion Ratio Lower Upper

96 100

61 150.9 117.8 218.8

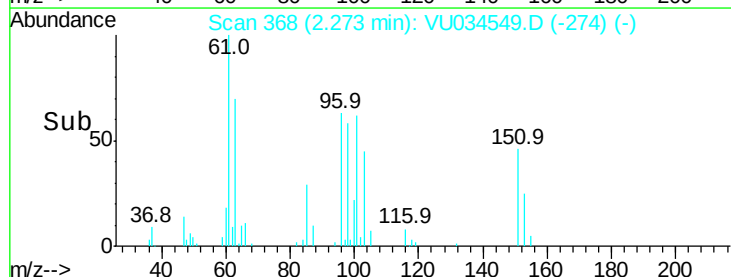
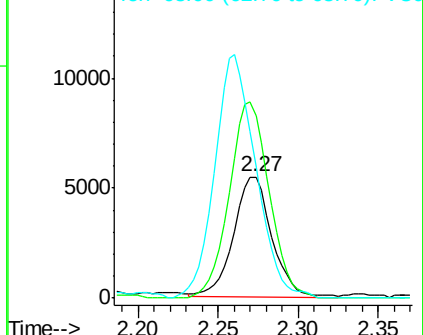
63 108.5 83.8 155.6

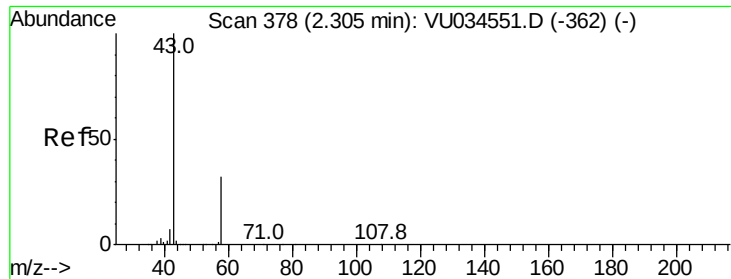


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.210 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

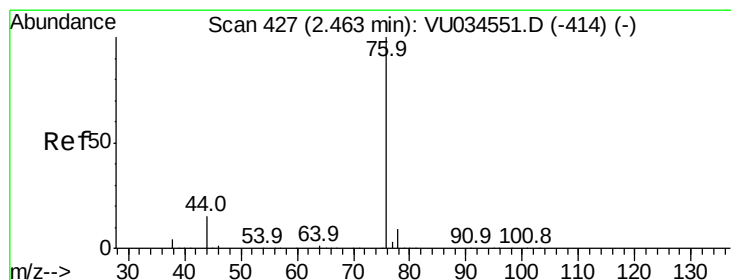
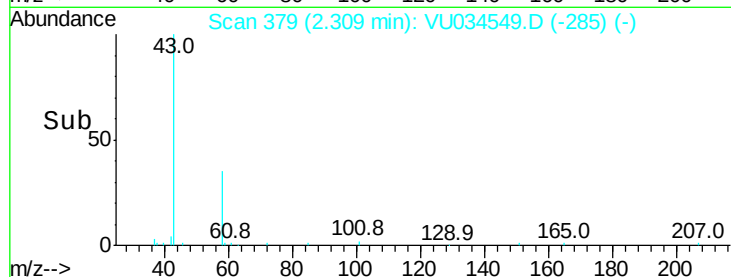
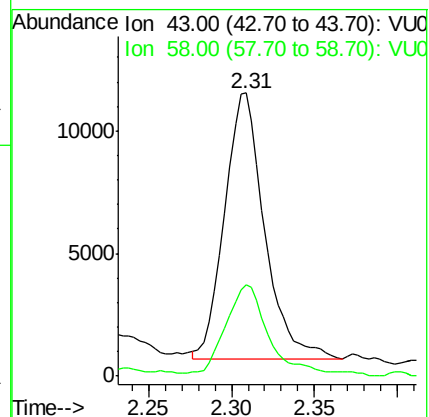
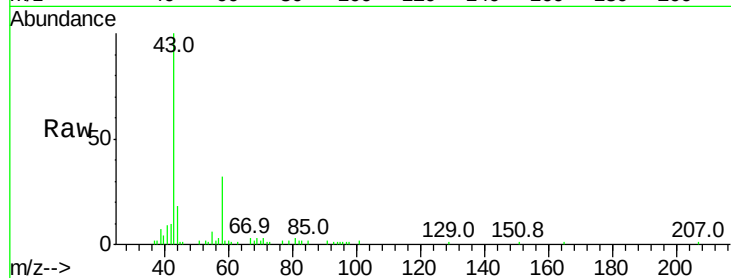
VSTD00536

Tgt Ion: 43 Resp: 18122

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.0



#14

Carbon disulfide

Concen: 2.260 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034549.D

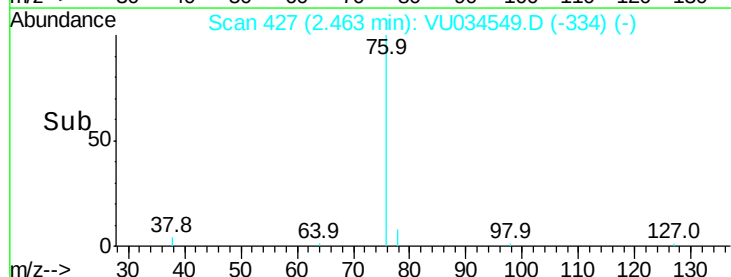
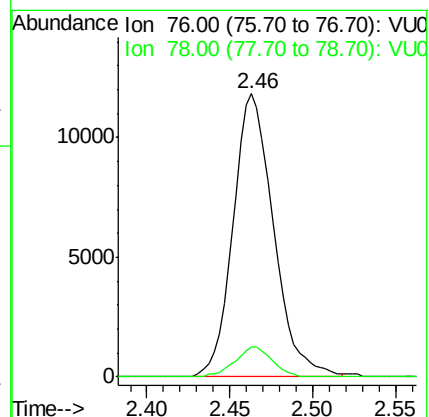
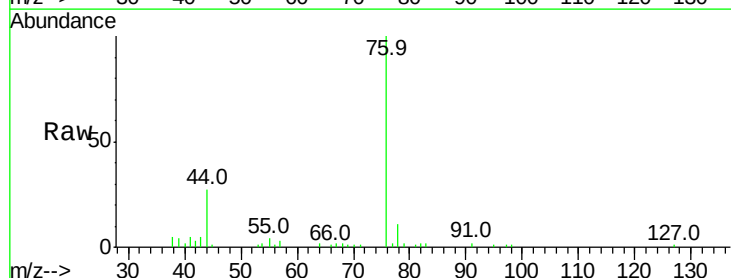
Acq: 16 Sep 2019 10:50

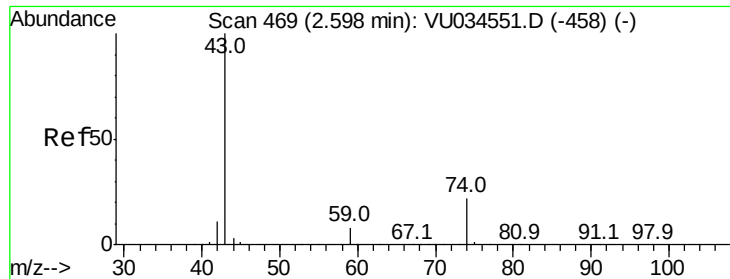
Tgt Ion: 76 Resp: 20078

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#

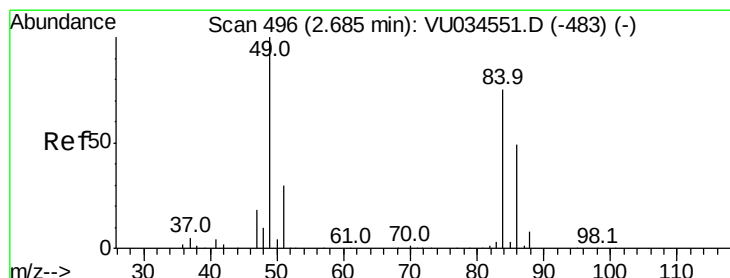
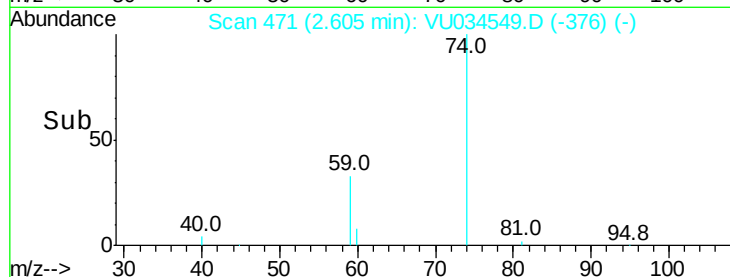
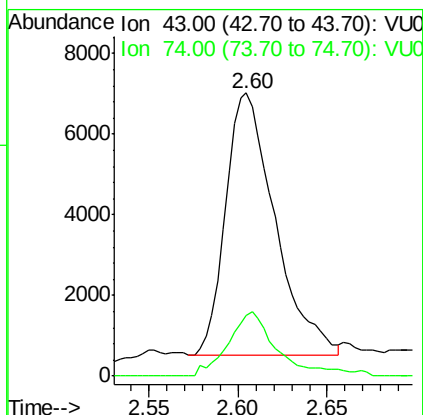
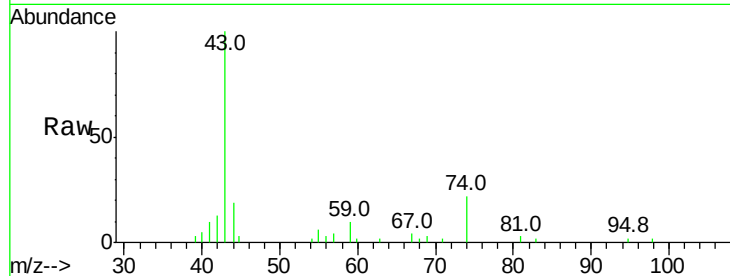




#15
Methyl Acetate
Concen: 3.242 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034549.D
Acq: 16 Sep 2019 10:50

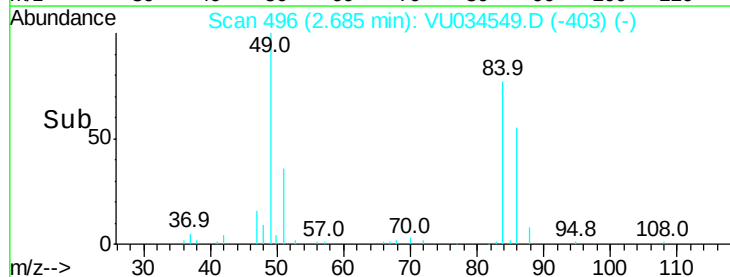
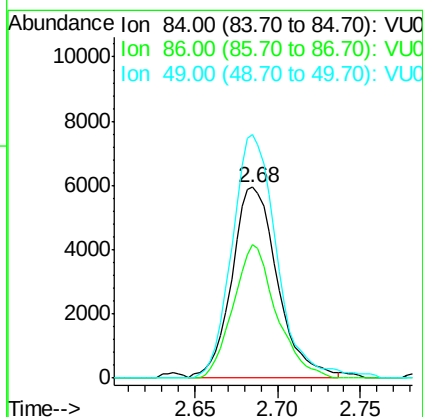
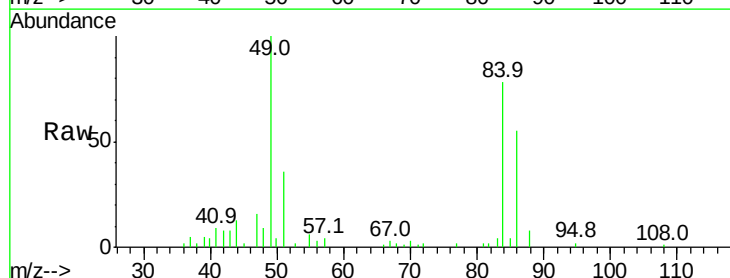
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

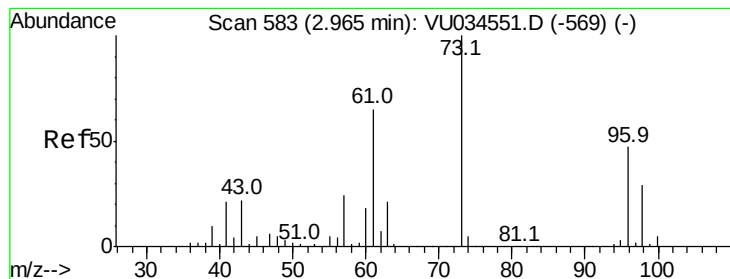
Tgt Ion: 43 Resp: 12461
Ion Ratio Lower Upper
43 100
74 24.3 18.6 28.0



#16
Methylene chloride
Concen: 3.435 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034549.D
Acq: 16 Sep 2019 10:50

Tgt Ion: 84 Resp: 11432
Ion Ratio Lower Upper
84 100
86 70.0 45.4 84.4
49 127.8 93.1 172.9





#17

trans-1,2-Dichloroethene

Concen: 3.012 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

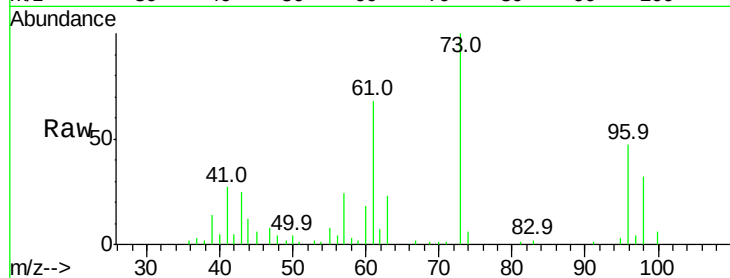
Tgt Ion: 96 Resp: 8934

Ion Ratio Lower Upper

96 100

61 143.2 97.0 180.2

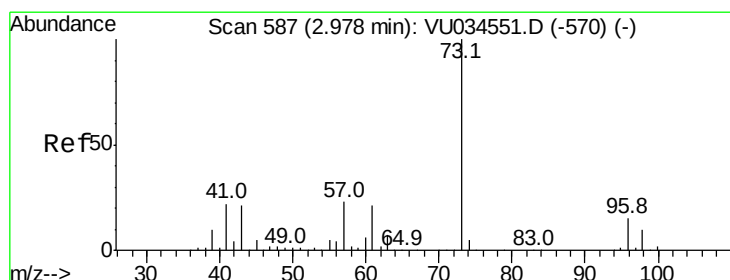
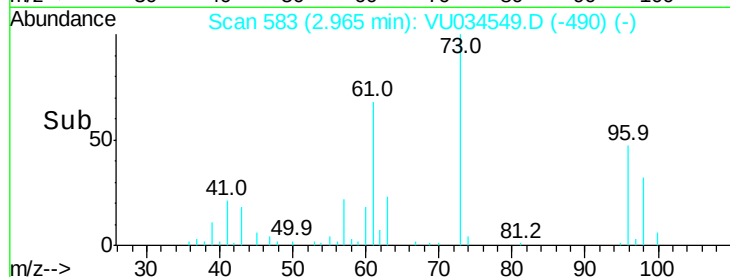
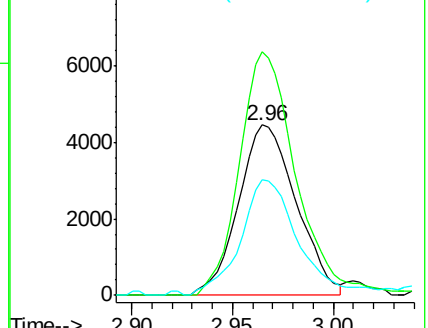
98 68.3 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VU034551.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU034551.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU034551.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 4.125 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

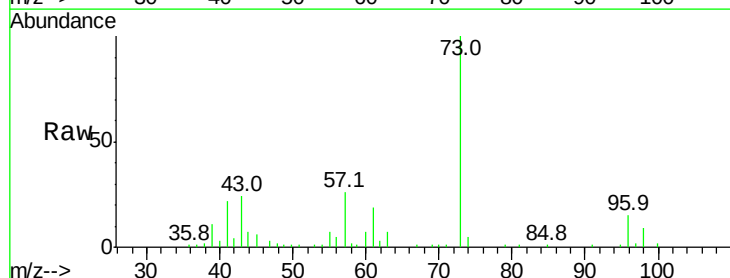
Tgt Ion: 73 Resp: 37045

Ion Ratio Lower Upper

73 100

43 24.2 16.7 25.1

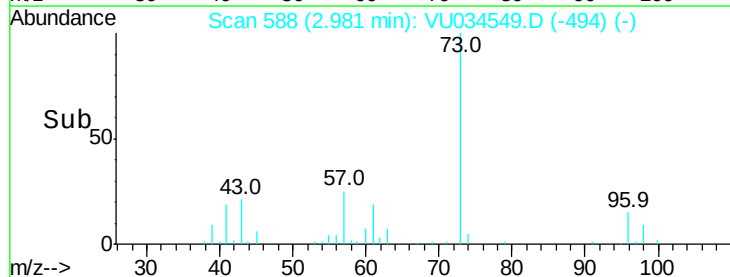
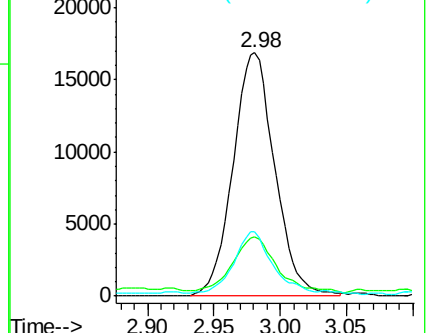
57 21.9 18.6 28.0

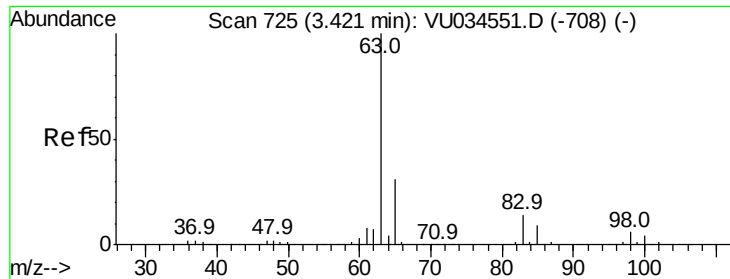


Abundance Ion 73.00 (72.70 to 73.70): VU034551.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU034551.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU034551.D (-570) (-)





#19

1,1-Dichloroethane

Concen: 3.336 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

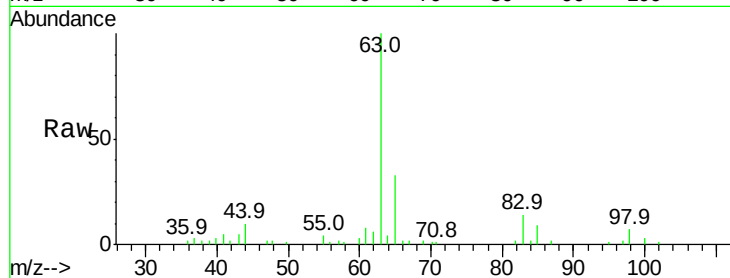
Tgt Ion: 63 Resp: 19720

Ion Ratio Lower Upper

63 100

65 32.7 21.6 40.0

83 14.3 9.7 17.9

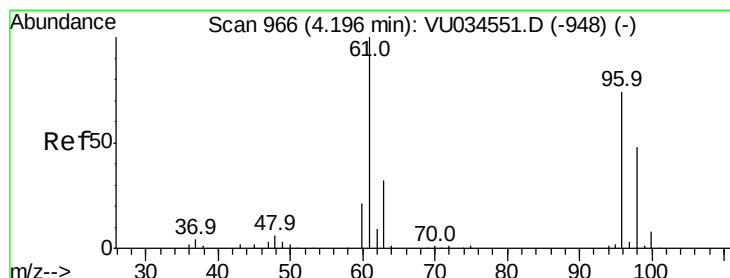
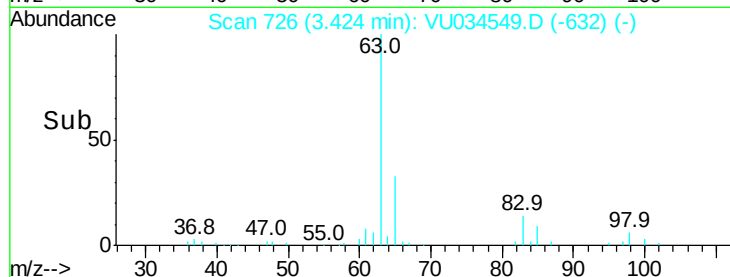


Abundance Ion 63.00 (62.70 to 63.70): VU034551.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU034551.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU034551.D (-708) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 3.509 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

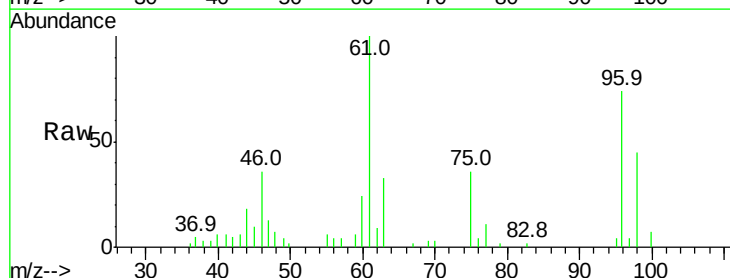
Tgt Ion: 96 Resp: 11458

Ion Ratio Lower Upper

96 100

61 135.2 94.7 175.9

68 0.0 0.0 0.0

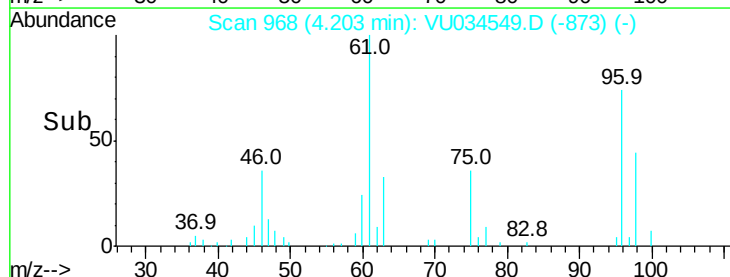


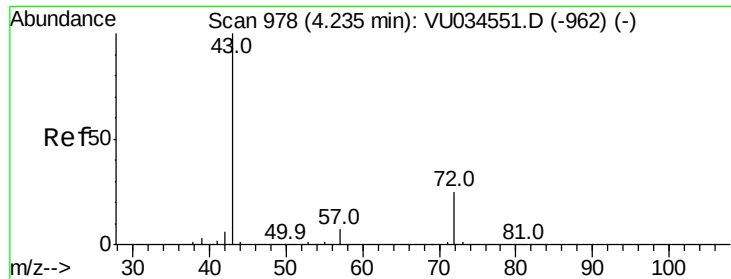
Abundance Ion 96.00 (95.70 to 96.70): VU034551.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU034551.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU034551.D (-948) (-)

Time-->





#22

2-Butanone

Concen: 5.590 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.02 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

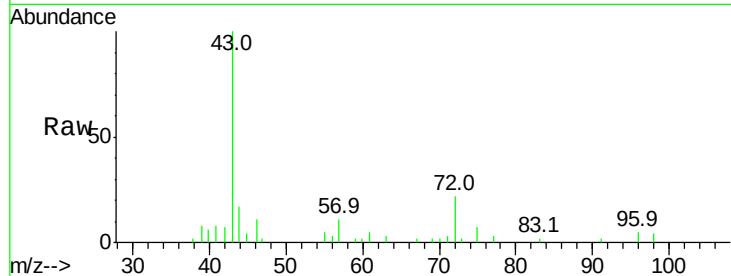
VSTD00536

Tgt Ion: 43 Resp: 15501

Ion Ratio Lower Upper

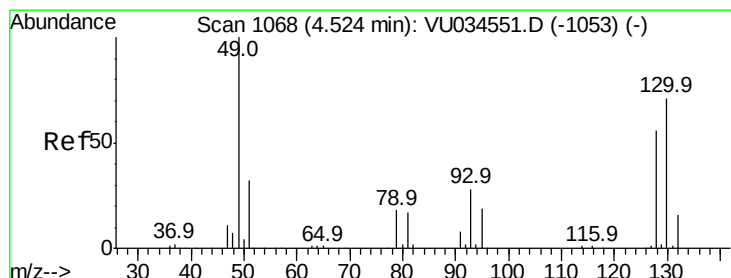
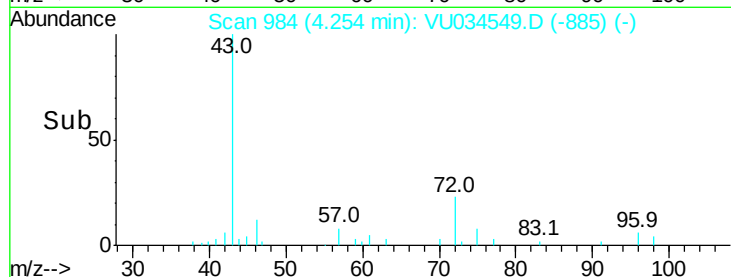
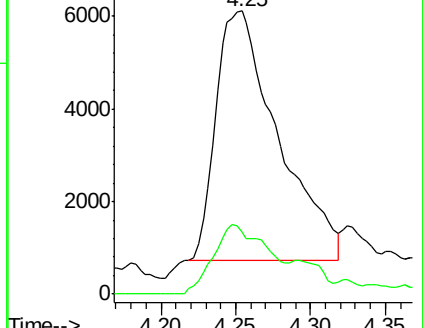
43 100

72 15.9 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU034549.D (-984) (-)

Ion 72.00 (71.70 to 72.70): VU034549.D (-984) (-)



#23

Bromochloromethane

Concen: 1.457 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Tgt Ion: 128 Resp: 2446

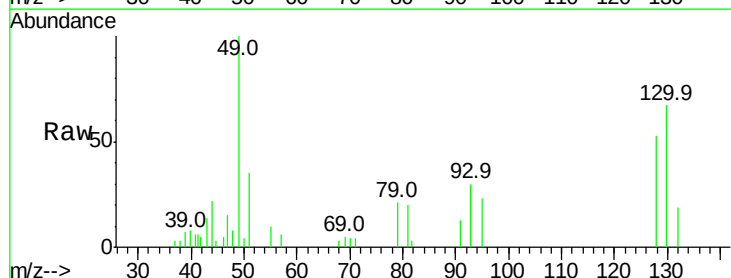
Ion Ratio Lower Upper

128 100

49 188.6 125.6 233.3

130 127.2 89.8 166.8

51 66.6 46.0 69.0

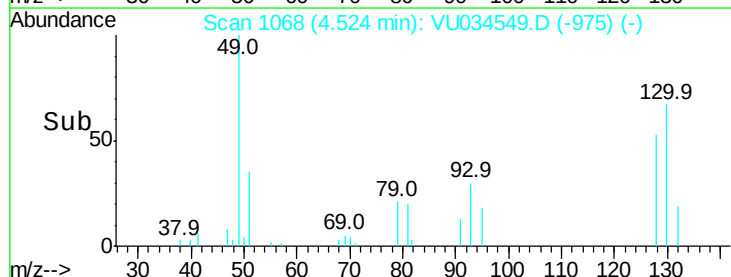
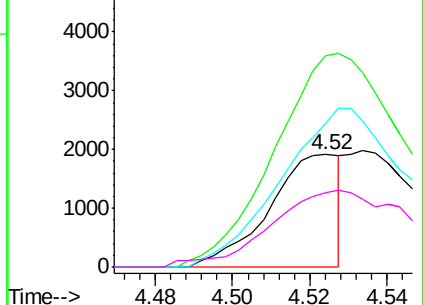


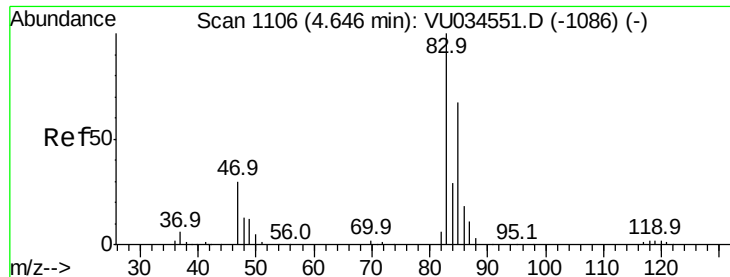
Abundance Ion 128.00 (127.70 to 128.70): VU034549.D (-1068) (-)

Ion 49.00 (48.70 to 49.70): VU034549.D (-1068) (-)

Ion 130.00 (129.70 to 130.70): VU034549.D (-1068) (-)

Ion 51.00 (50.70 to 51.70): VU034549.D (-1068) (-)





#25

Chloroform

Concen: 3.685 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

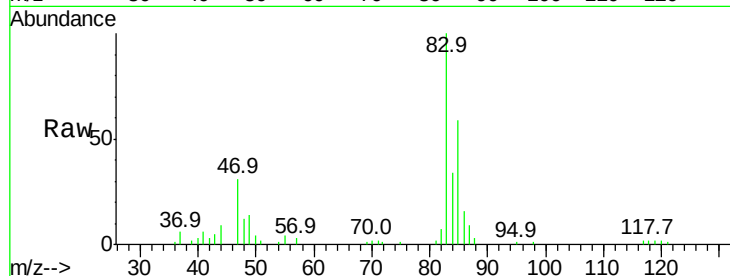
VSTD00536

Tgt Ion: 83 Resp: 21575

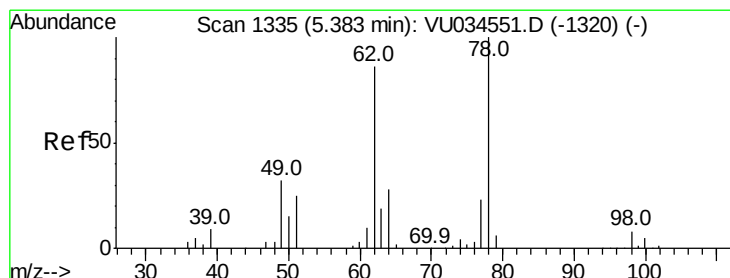
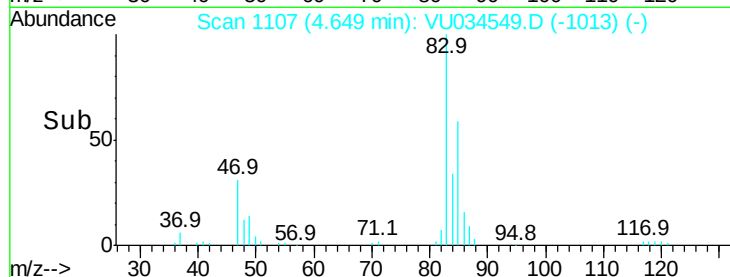
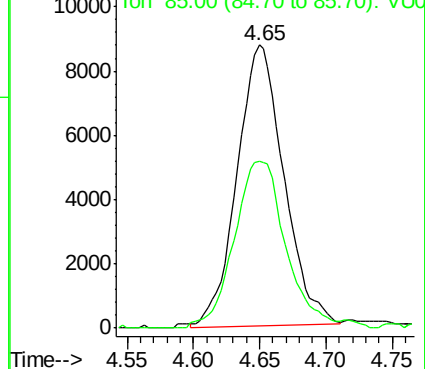
Ion Ratio Lower Upper

83 100

85 59.1 46.6 86.6



Abundance Ion 83.00 (82.70 to 83.70): VU034551.D (-1086) (-)



#27

1,2-Dichloroethane

Concen: 3.114 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU034549.D

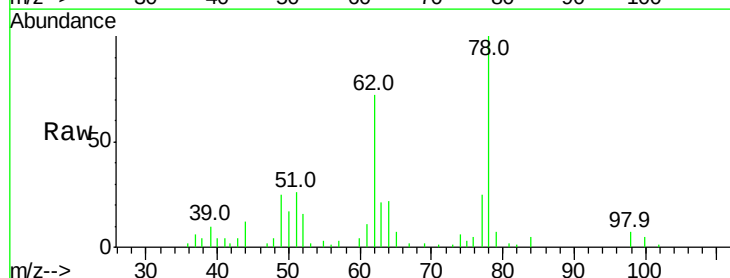
Acq: 16 Sep 2019 10:50

Tgt Ion: 62 Resp: 14307

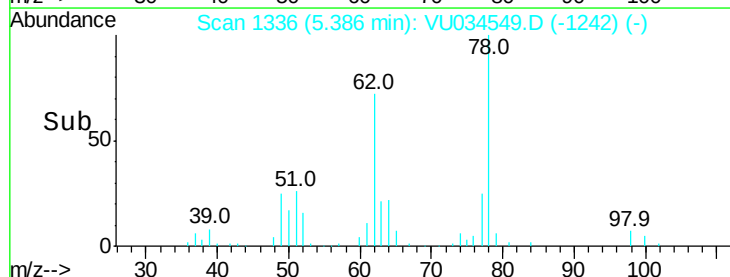
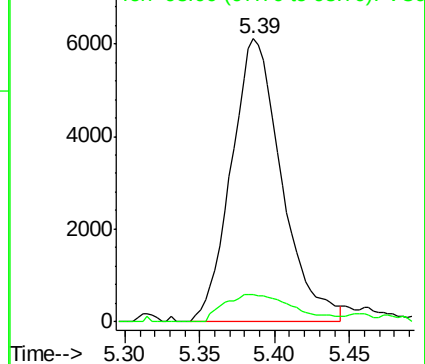
Ion Ratio Lower Upper

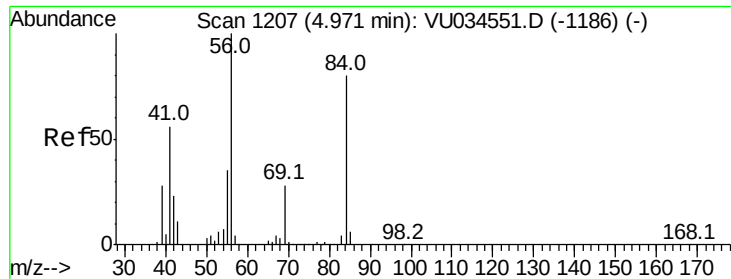
62 100

98 9.5 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU034551.D (-1320) (-)





#29

Cyclohexane

Concen: 3.798 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

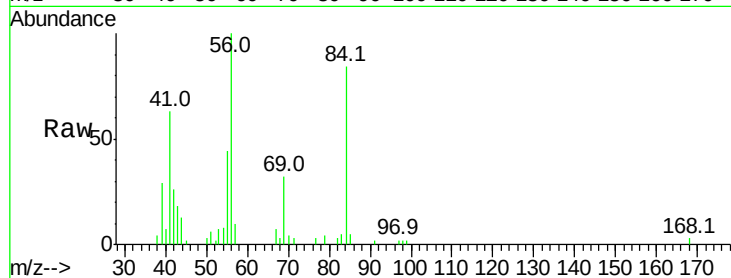
Tgt Ion: 56 Resp: 16625

Ion Ratio Lower Upper

56 100

69 25.8 23.3 34.9

84 79.6 64.2 96.4

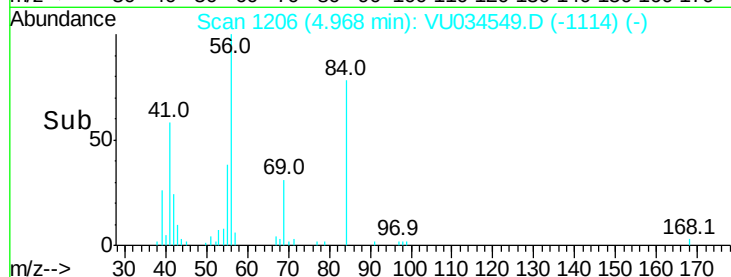


Abundance Ion 56.00 (55.70 to 56.70): VU034551.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU034551.D (-1186) (-)

Ion 84.00 (83.70 to 84.70): VU034551.D (-1186) (-)

Time-->

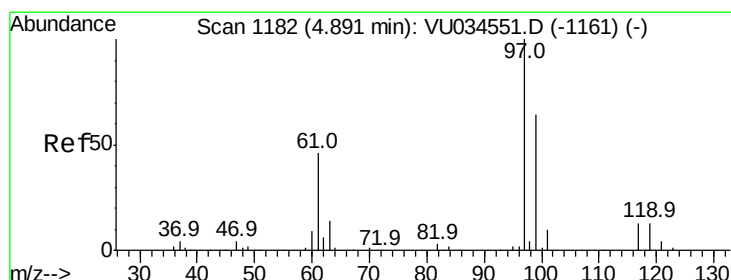


Abundance Ion 56.00 (55.70 to 56.70): VU034549.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VU034549.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VU034549.D (-1114) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 3.800 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

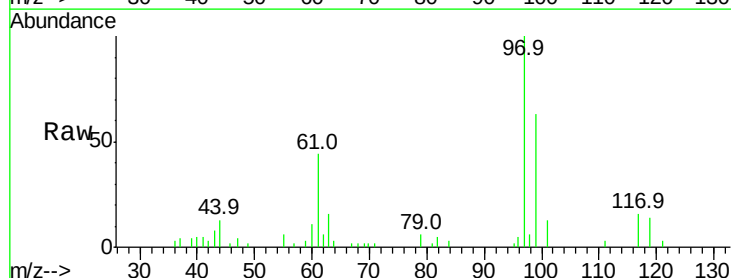
Tgt Ion: 97 Resp: 16600

Ion Ratio Lower Upper

97 100

99 61.8 50.7 76.1

61 43.4 36.9 55.3

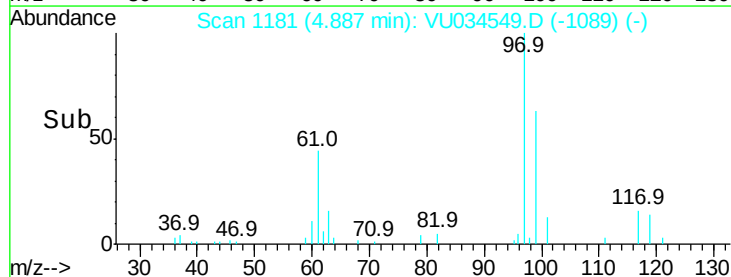


Abundance Ion 97.00 (96.70 to 97.70): VU034551.D (-1161) (-)

Ion 99.00 (98.70 to 99.70): VU034551.D (-1161) (-)

Ion 61.05 (60.75 to 61.75): VU034551.D (-1161) (-)

Time-->

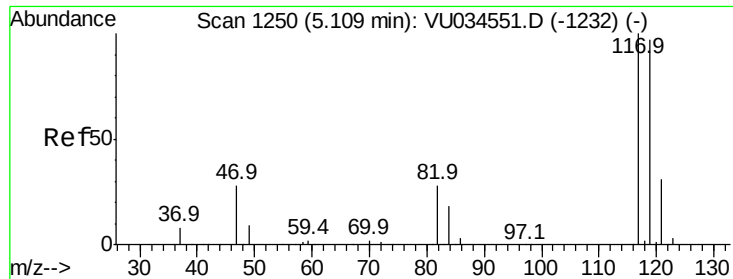


Abundance Ion 97.00 (96.70 to 97.70): VU034549.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VU034549.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VU034549.D (-1089) (-)

Time-->



#31

Carbon tetrachloride

Concen: 3.525 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

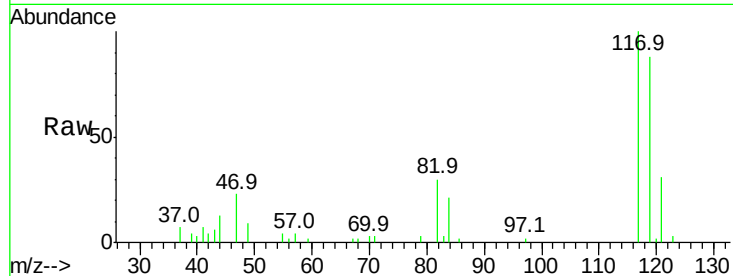
VSTD00536

Tgt Ion:117 Resp: 13669

Ion Ratio Lower Upper

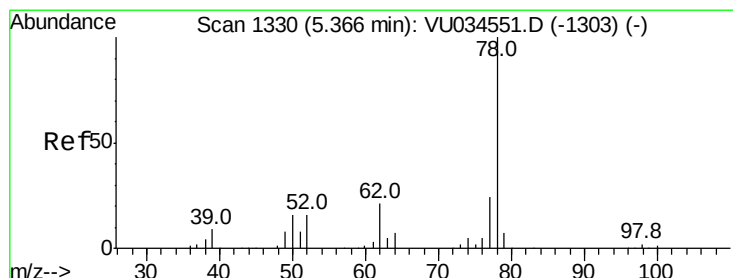
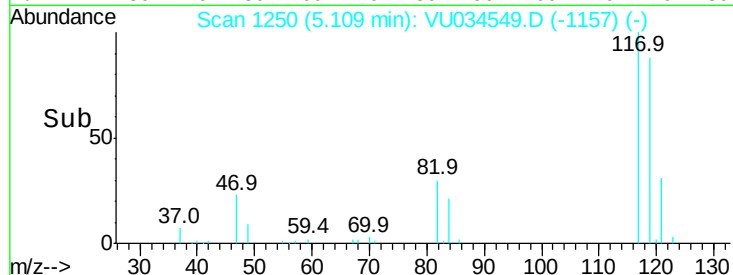
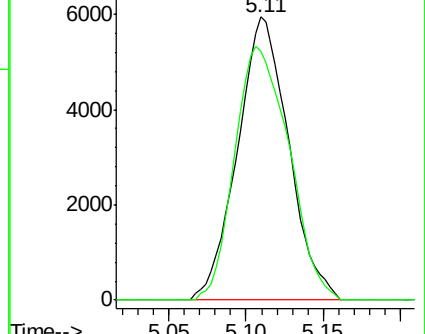
117 100

119 95.1 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 3.581 ug/L

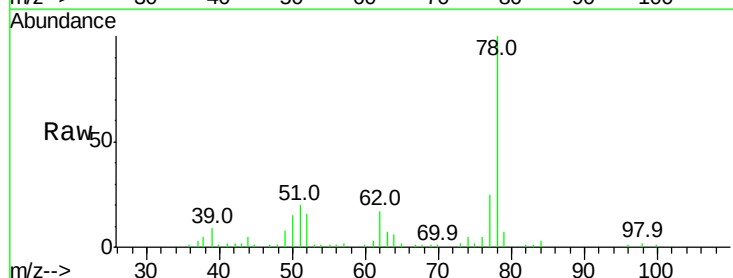
RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

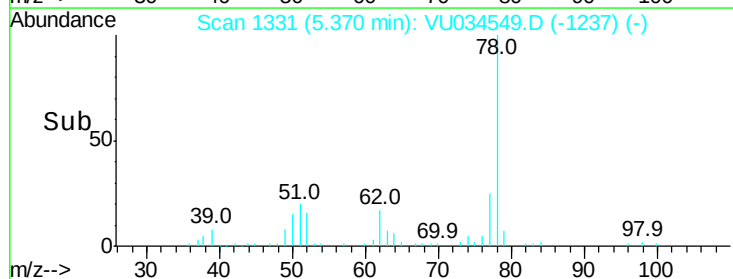
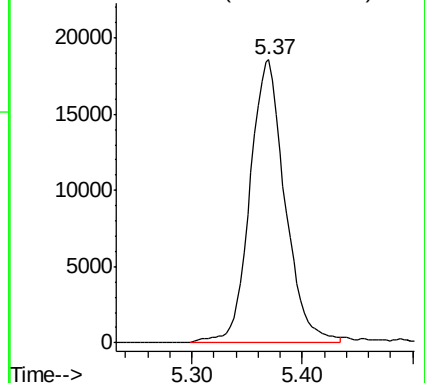
Lab File: VU034549.D

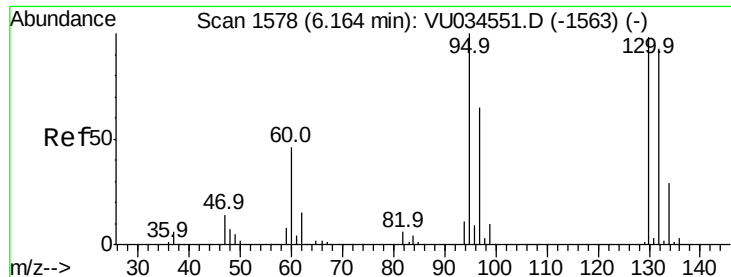
Acq: 16 Sep 2019 10:50

Tgt Ion: 78 Resp: 41073



Abundance Ion 78.00 (77.70 to 78.70): VU0



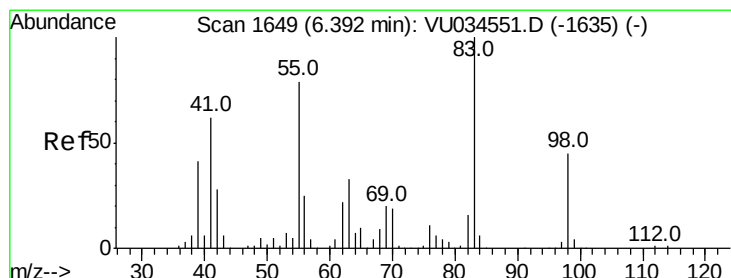
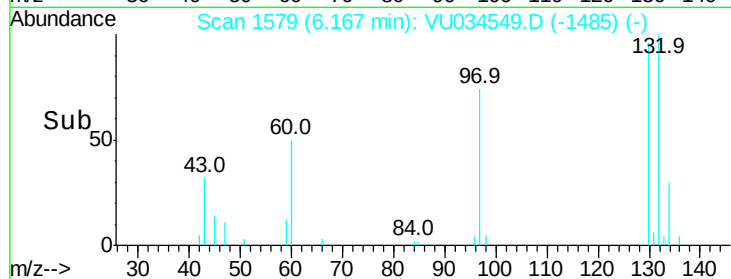
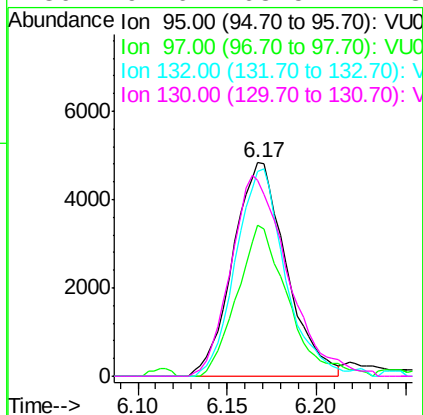
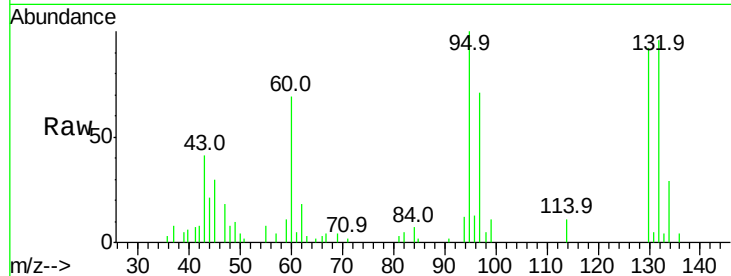


#34
 Trichloroethene
 Concen: 3.392 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tgt Ion: 95 Resp: 10097

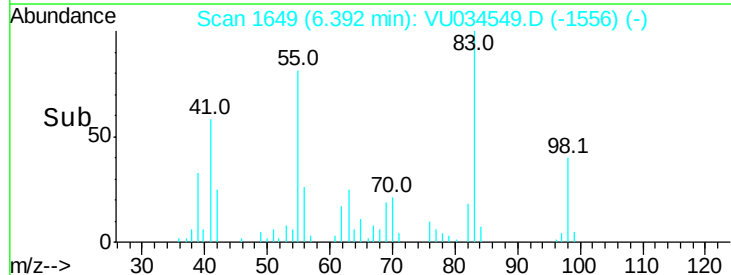
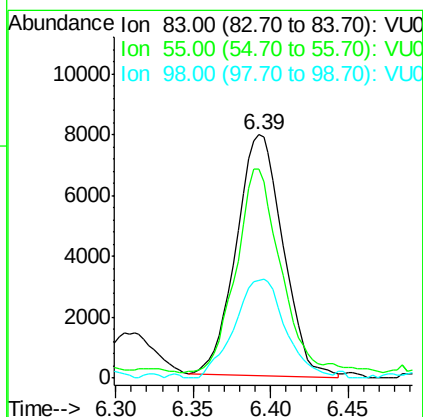
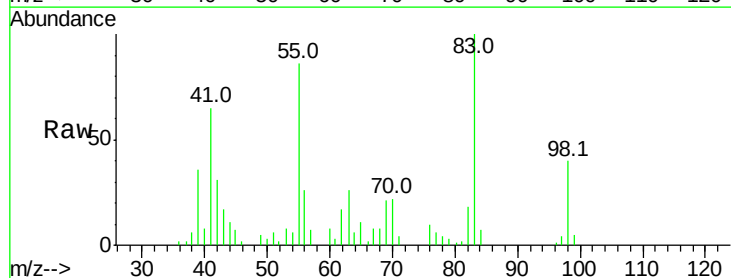
Ion	Ratio	Lower	Upper
95	100		
97	70.7	45.4	84.4
132	95.7	65.2	121.0
130	91.6	68.5	127.3

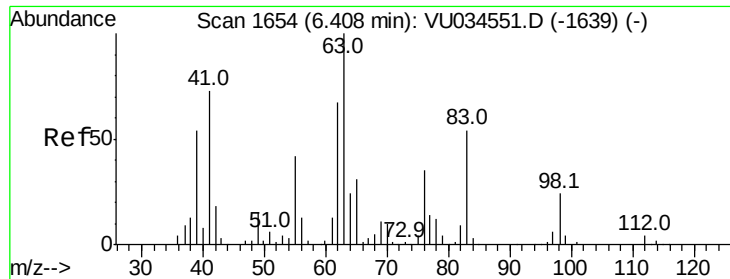


#35
 Methylcyclohexane
 Concen: 3.722 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Tgt Ion: 83 Resp: 16700

Ion	Ratio	Lower	Upper
83	100		
55	79.2	63.0	94.6
98	44.6	36.2	54.2

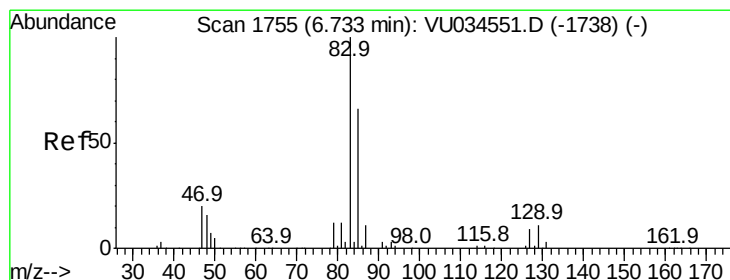
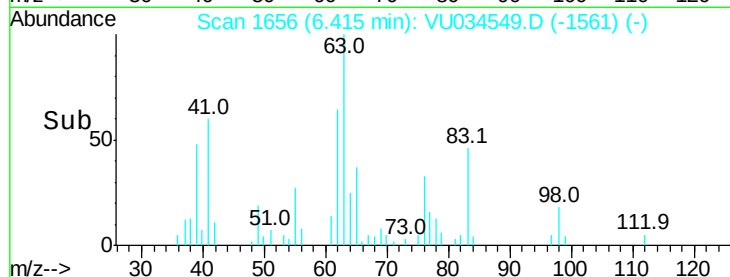
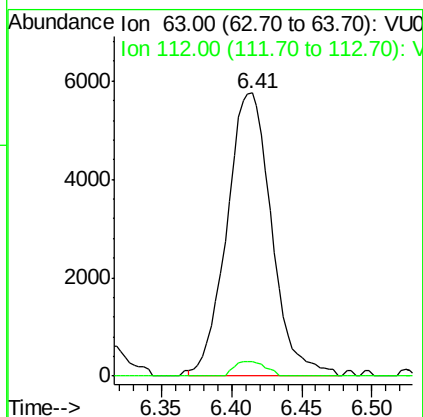
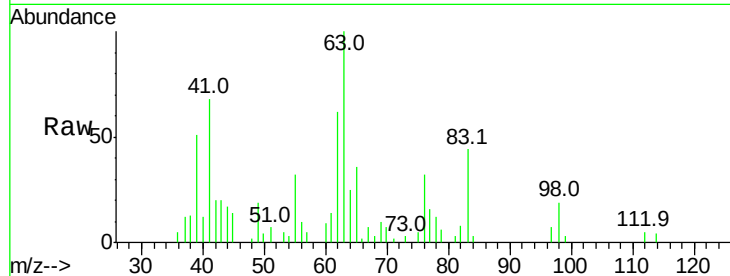




#37
 1,2-Dichloropropane
 Concen: 4.069 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

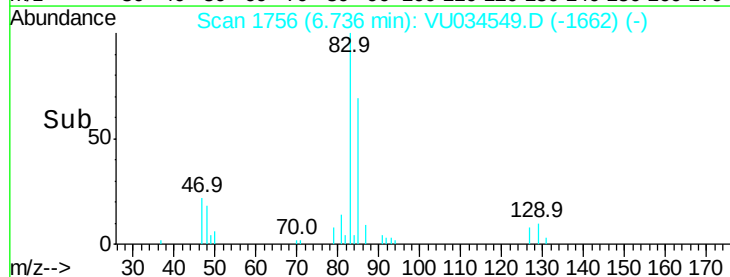
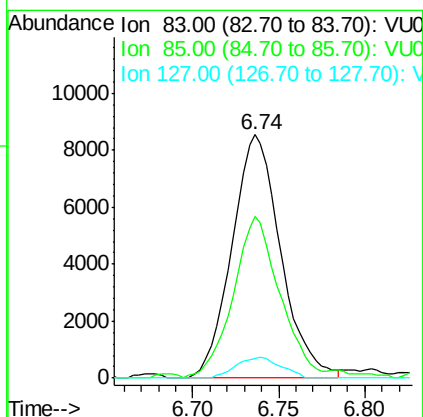
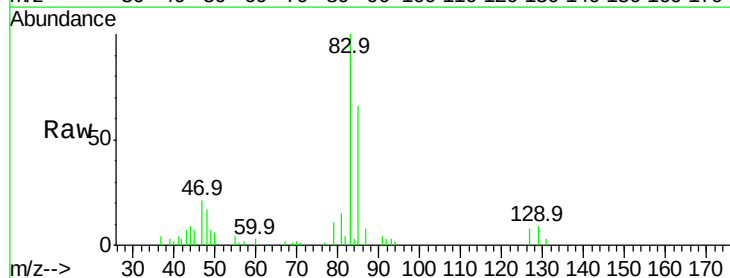
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

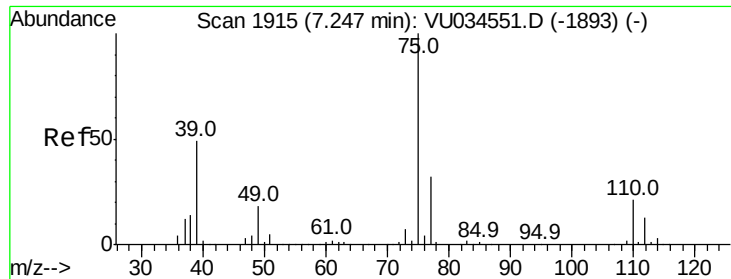
Tgt Ion: 63 Resp: 12769
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.162 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Tgt Ion: 83 Resp: 16878
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.1 85.7
 127 8.1 7.0 10.6

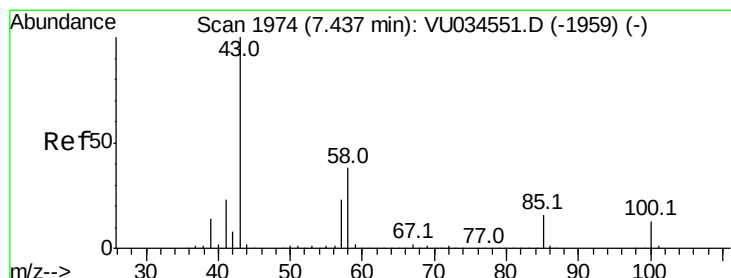
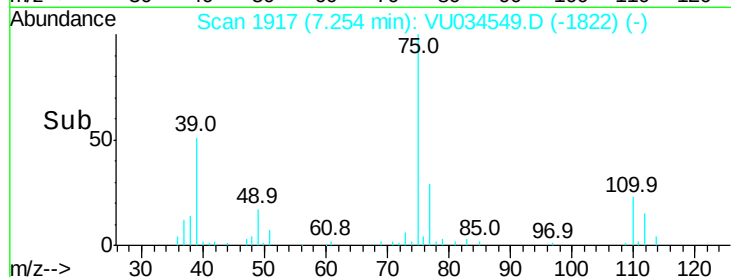
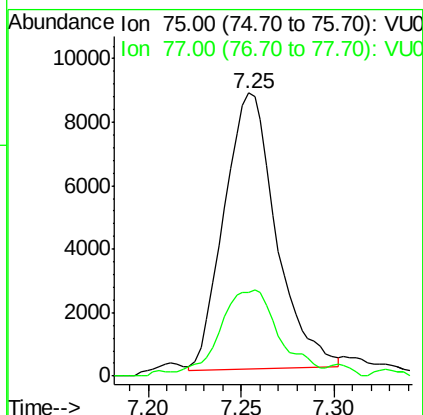
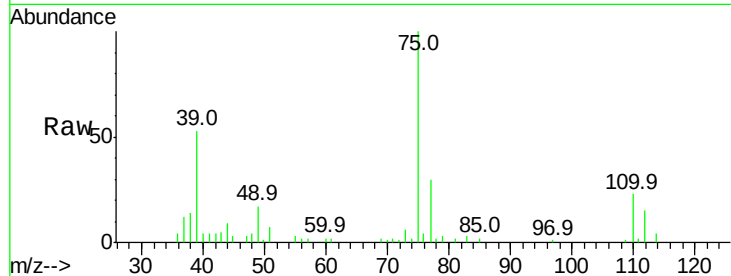




#39
 cis-1,3-Dichloropropene
 Concen: 3.653 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

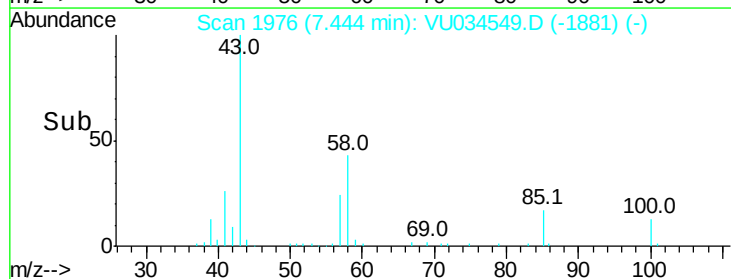
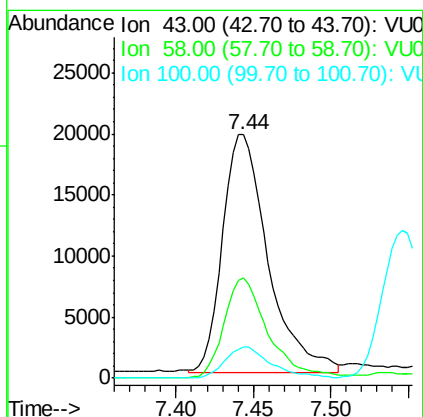
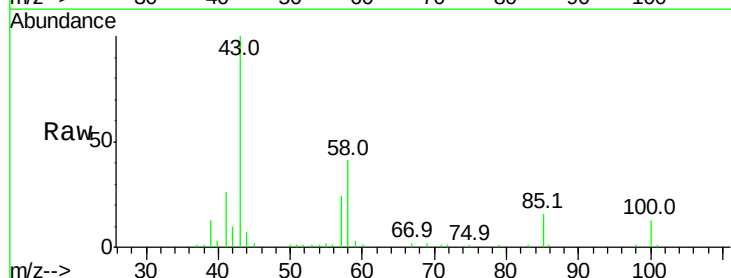
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

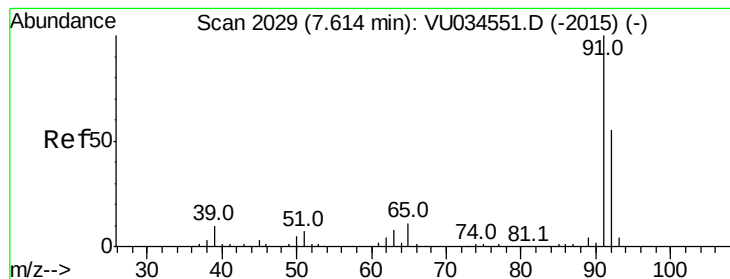
Tgt Ion: 75 Resp: 17038
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 8.907 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Tgt Ion: 43 Resp: 40033
 Ion Ratio Lower Upper
 43 100
 58 40.1 30.4 45.6
 100 13.1 10.2 15.4





#42

Toluene

Concen: 3.691 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

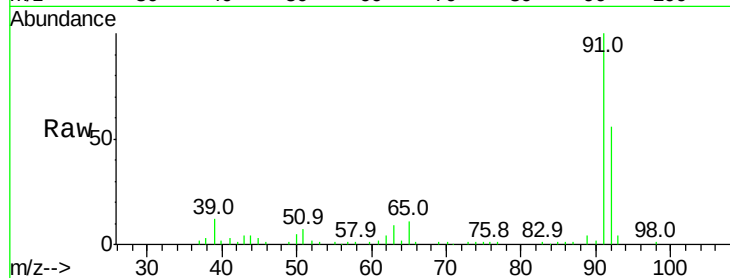
VSTD00536

Tgt Ion: 91 Resp: 43815

Ion Ratio Lower Upper

91 100

92 55.7 38.4 71.4



Abundance Ion 91.00 (90.70 to 91.70): VU034551.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU034551.D (-2015) (-)

7.62

25000

20000

15000

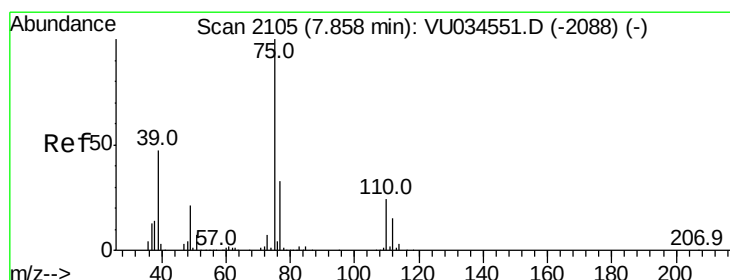
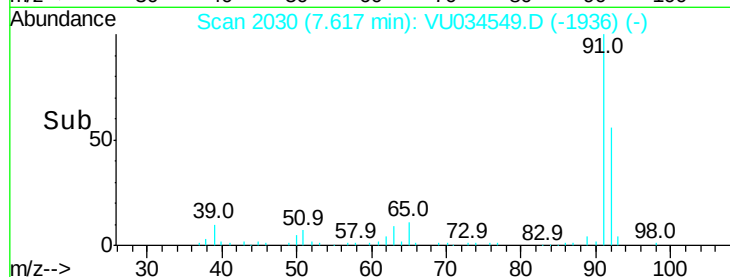
10000

5000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 3.832 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VU034549.D

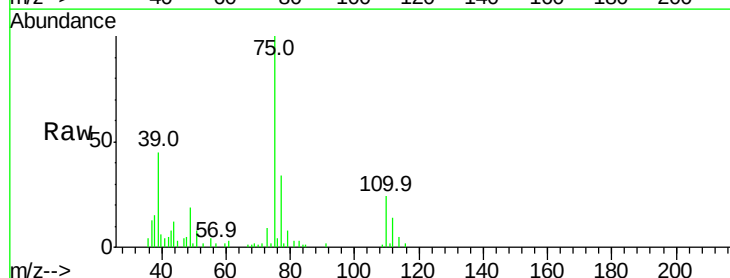
Acq: 16 Sep 2019 10:50

Tgt Ion: 75 Resp: 16109

Ion Ratio Lower Upper

75 100

77 34.4 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VU034551.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU034551.D (-2088) (-)

7.86

8000

6000

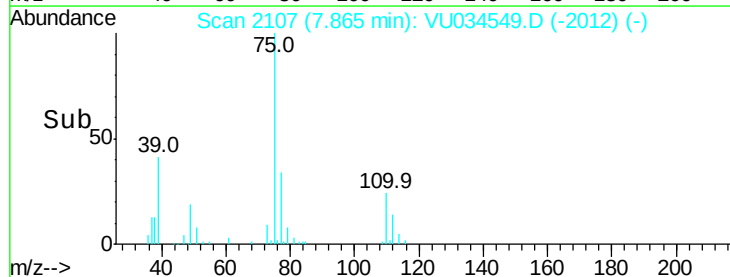
4000

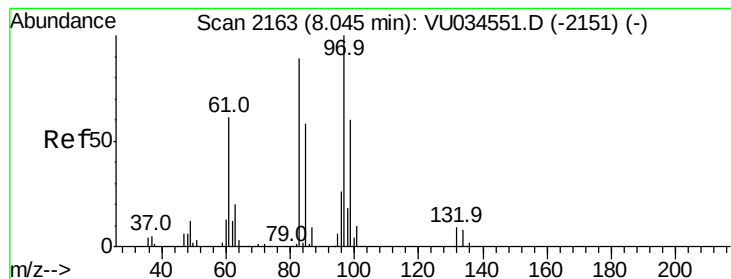
2000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 3.810 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

Tgt Ion: 97 Resp: 10969

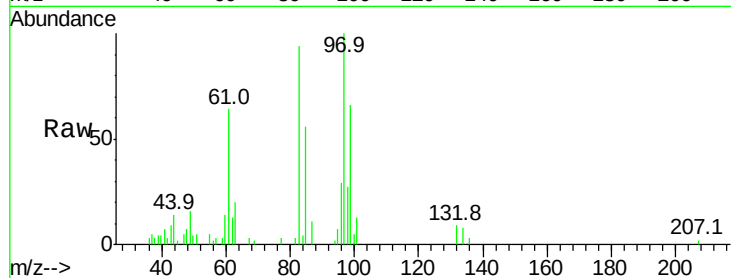
Ion Ratio Lower Upper

97 100

99 66.3 42.4 78.8

83 94.1 62.5 116.1

85 56.0 40.7 75.7

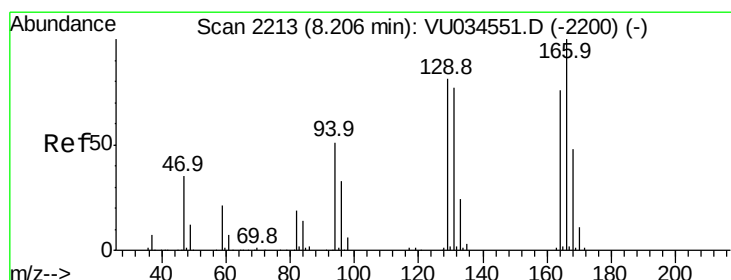
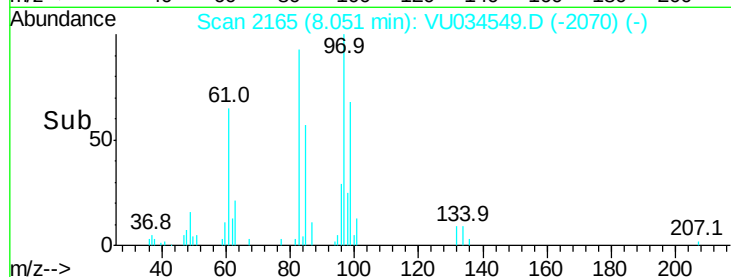
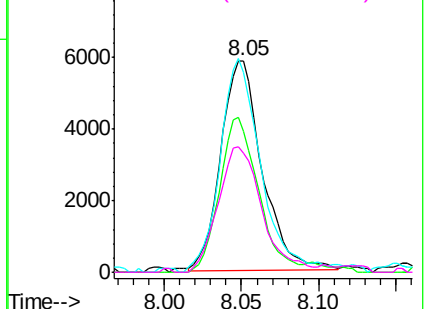


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 2.991 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Tgt Ion: 164 Resp: 6919

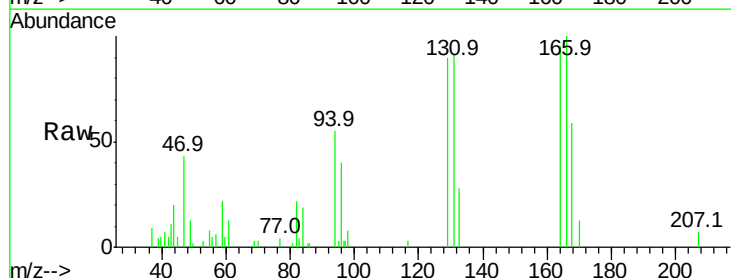
Ion Ratio Lower Upper

164 100

129 94.6 74.5 138.3

131 95.8 70.4 130.8

166 105.1 91.7 170.3

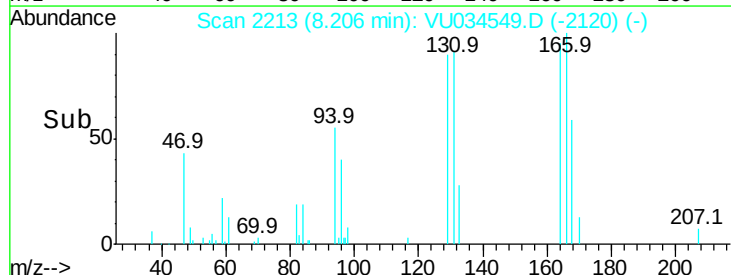
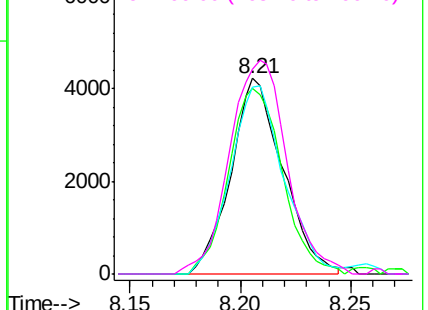


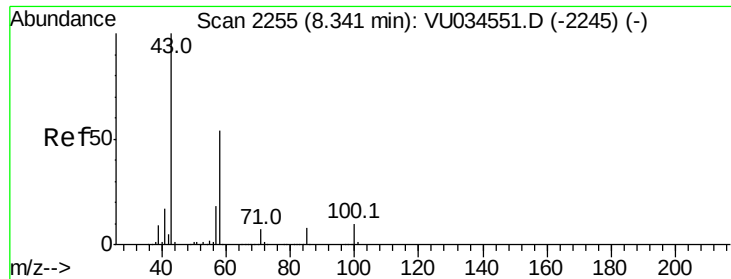
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

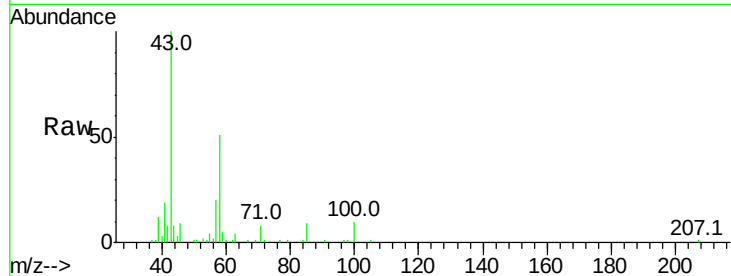




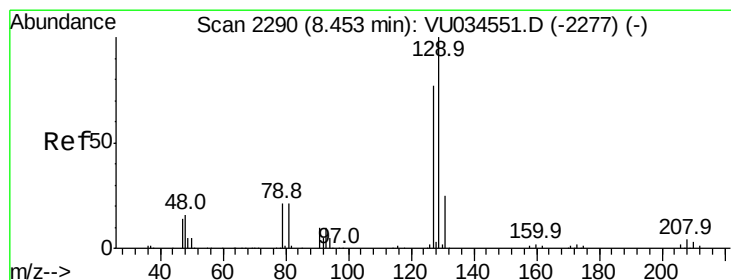
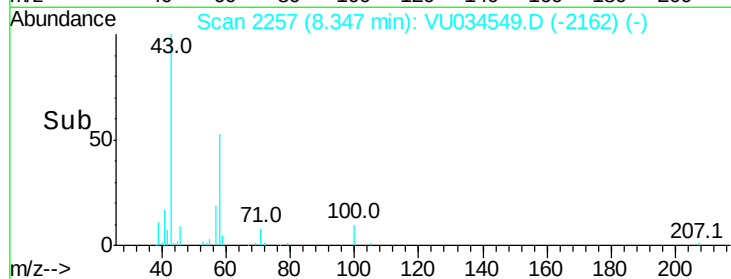
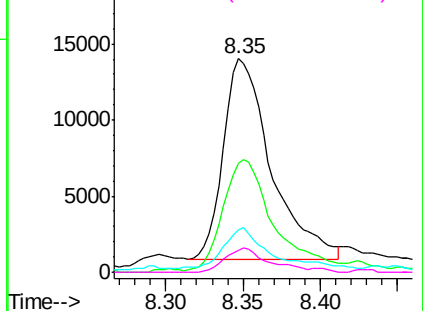
#48
2-Hexanone
Concen: 8.071 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.01 min
Lab File: VU034549.D
Acq: 16 Sep 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion: 43 Resp: 28169
Ion Ratio Lower Upper
43 100
58 57.8 43.3 64.9
57 17.6 13.1 19.7
100 10.9 8.2 12.4

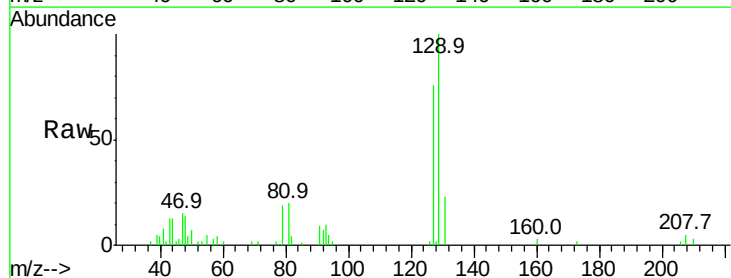


Abundance Ion 43.00 (42.70 to 43.70): VU034549.D (-2162) (-)
Ion 58.00 (57.70 to 58.70): VU034549.D (-2162) (-)
Ion 57.00 (56.70 to 57.70): VU034549.D (-2162) (-)
Ion 100.00 (99.70 to 100.70): VU034549.D (-2162) (-)

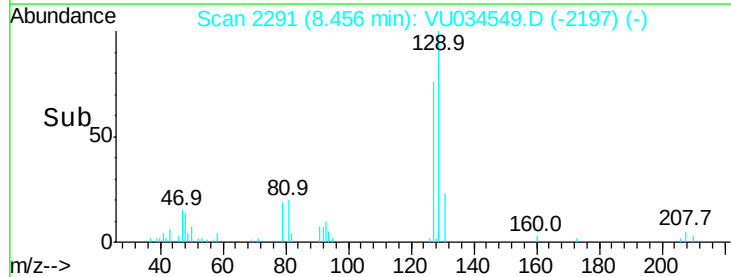
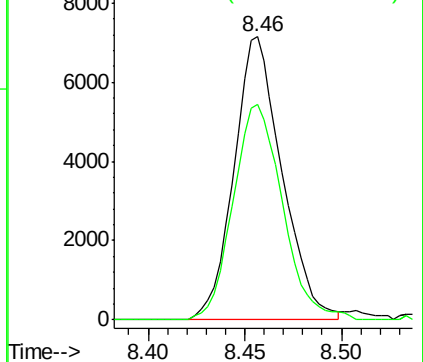


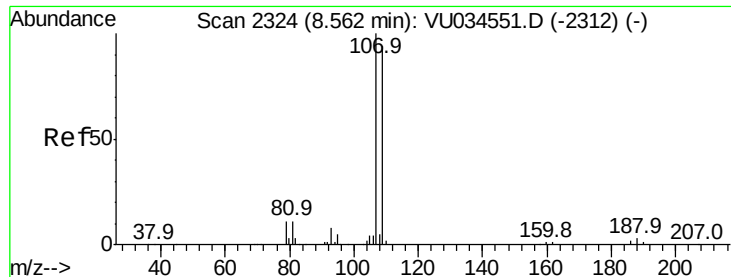
#49
Dibromochloromethane
Concen: 3.861 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034549.D
Acq: 16 Sep 2019 10:50

Tgt Ion: 129 Resp: 12333
Ion Ratio Lower Upper
129 100
127 76.0 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): VU034549.D (-2197) (-)
Ion 127.00 (126.70 to 127.70): VU034549.D (-2197) (-)





#50

1,2-Dibromoethane

Concen: 3.976 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

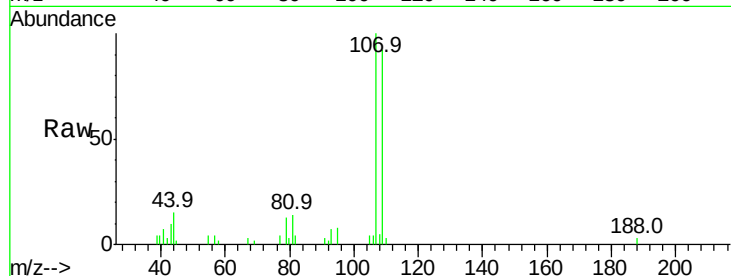
Tgt Ion:107 Resp: 12208

Ion Ratio Lower Upper

107 100

109 92.2 65.9 122.3

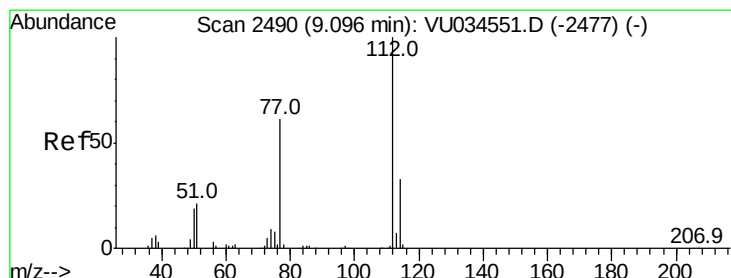
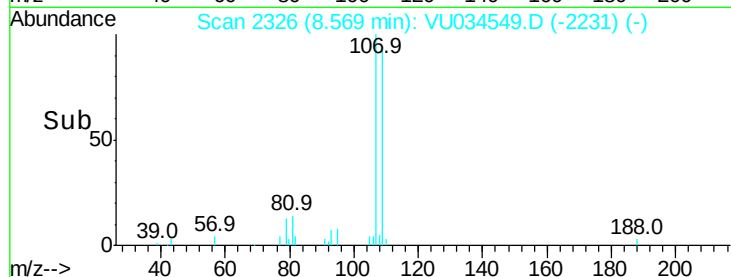
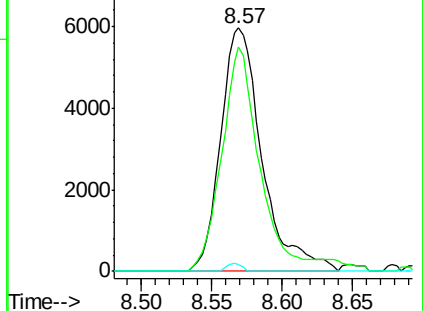
188 2.8 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 3.754 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

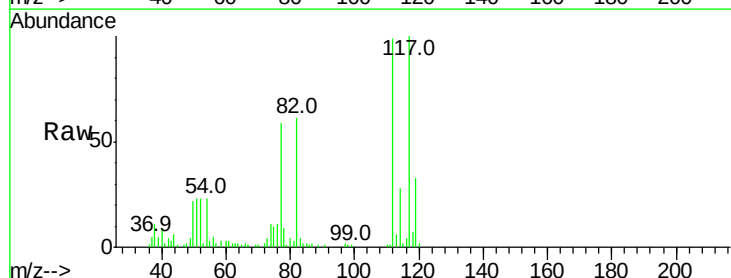
Tgt Ion:112 Resp: 29471

Ion Ratio Lower Upper

112 100

114 28.1 23.0 42.8

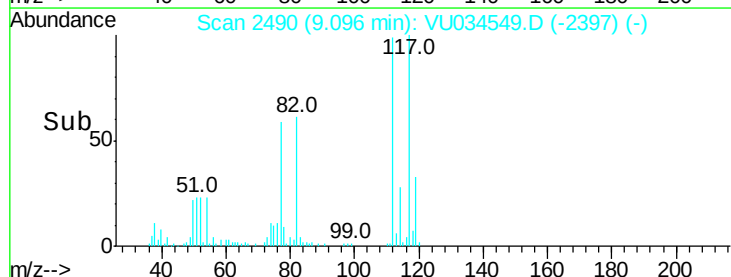
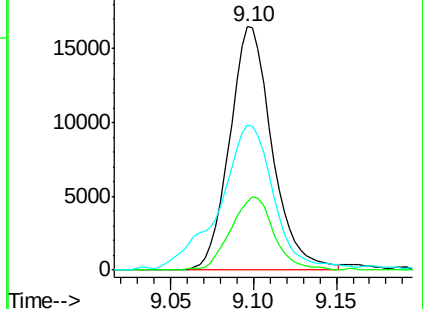
77 59.8 49.0 73.6

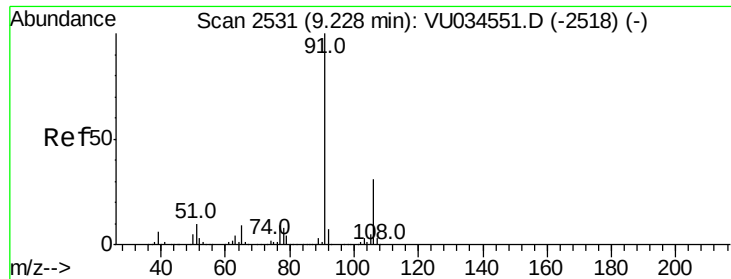


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 3.961 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

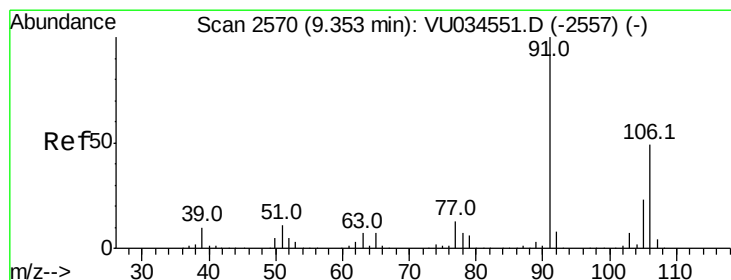
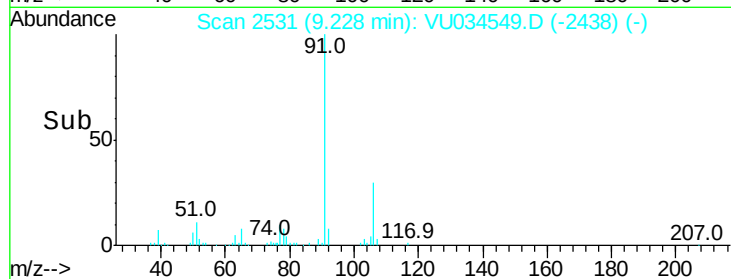
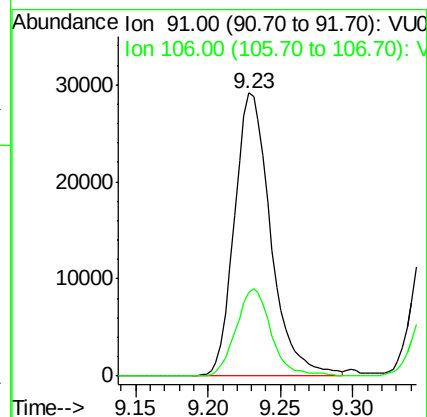
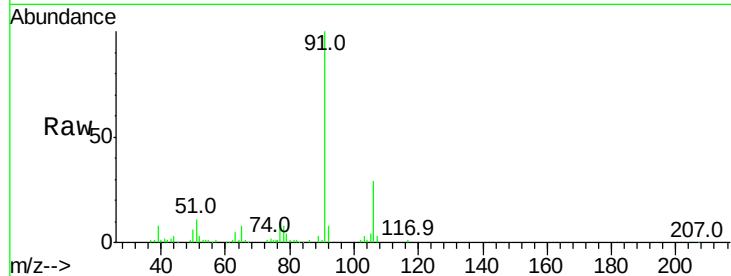
VSTD00536

Tgt Ion: 91 Resp: 50786

Ion Ratio Lower Upper

91 100

106 29.5 21.4 39.8



#53

m,p-Xylene

Concen: 3.816 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034549.D

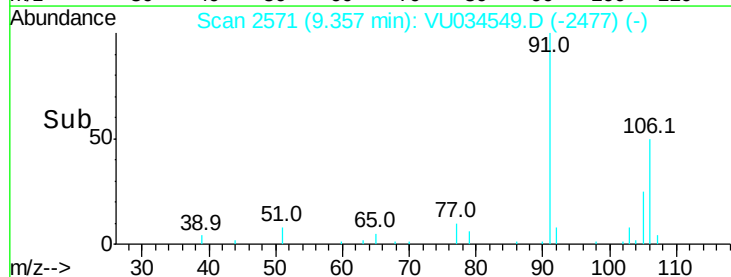
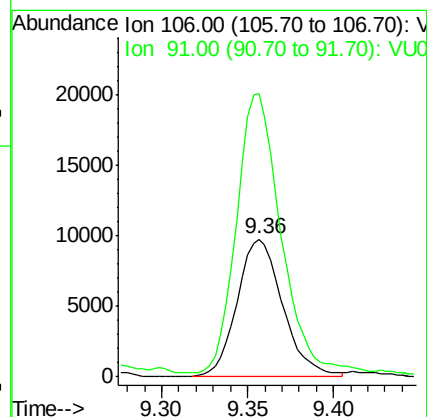
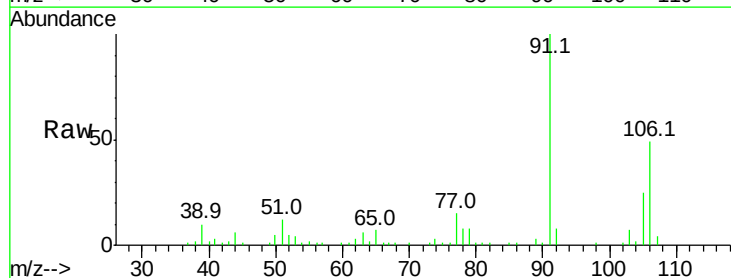
Acq: 16 Sep 2019 10:50

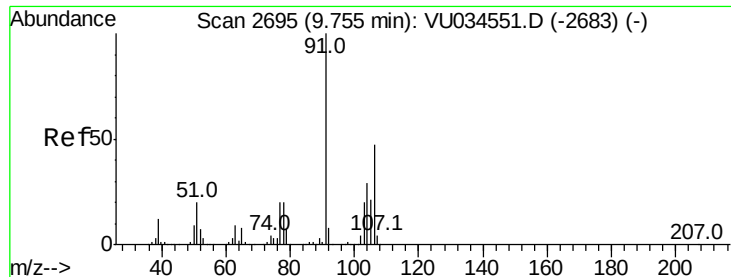
Tgt Ion: 106 Resp: 18030

Ion Ratio Lower Upper

106 100

91 205.1 142.6 264.8





#54

o-xylene

Concen: 3.959 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

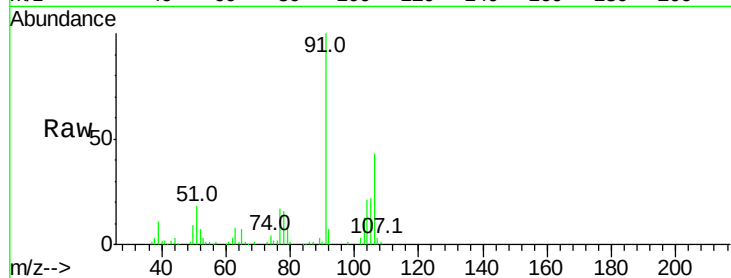
VSTD00536

Tgt Ion:106 Resp: 18439

Ion Ratio Lower Upper

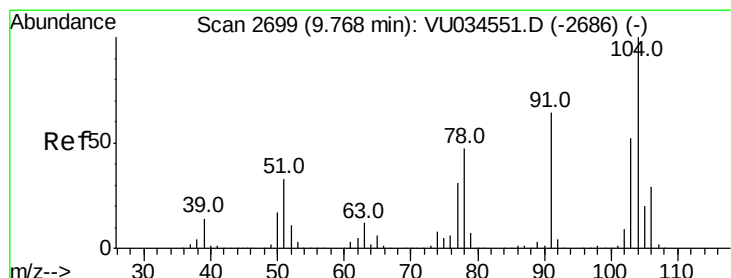
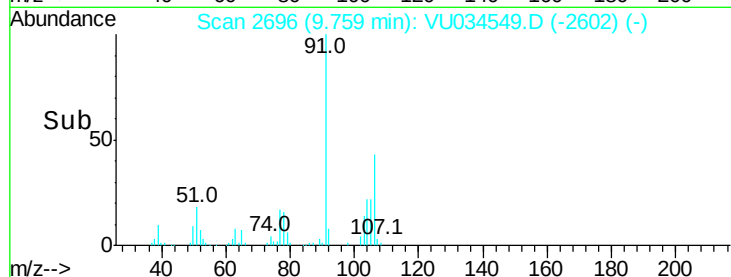
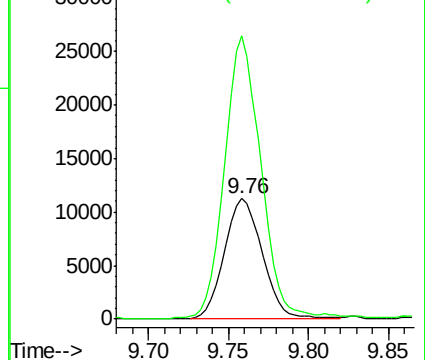
106 100

91 234.9 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 3.767 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.01 min

Lab File: VU034549.D

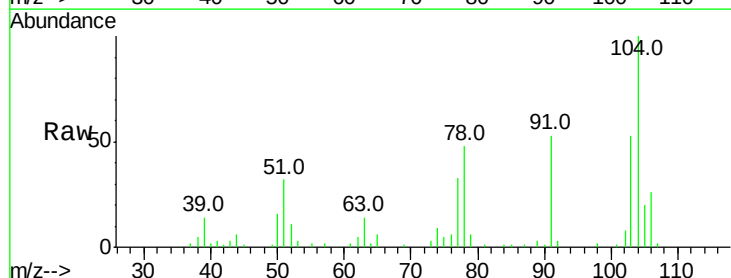
Acq: 16 Sep 2019 10:50

Tgt Ion:104 Resp: 29875

Ion Ratio Lower Upper

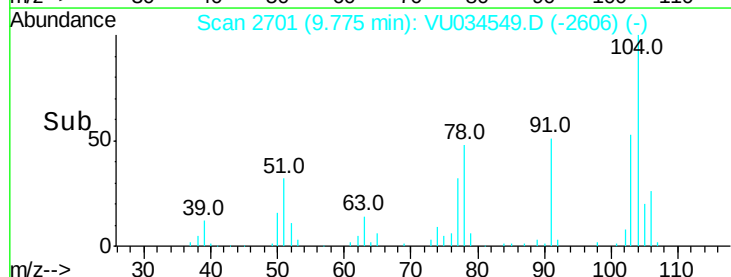
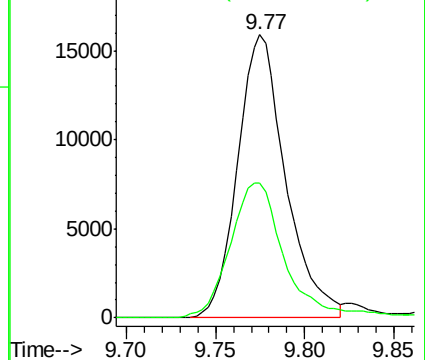
104 100

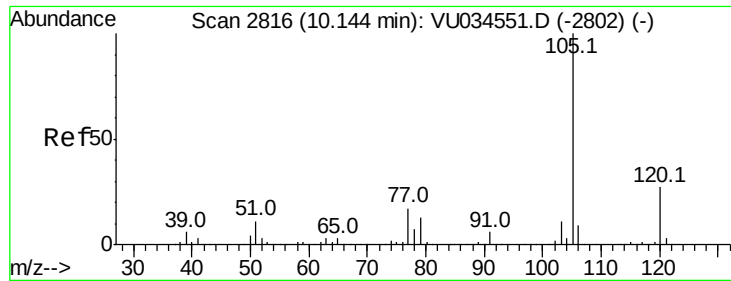
78 47.8 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 4.170 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

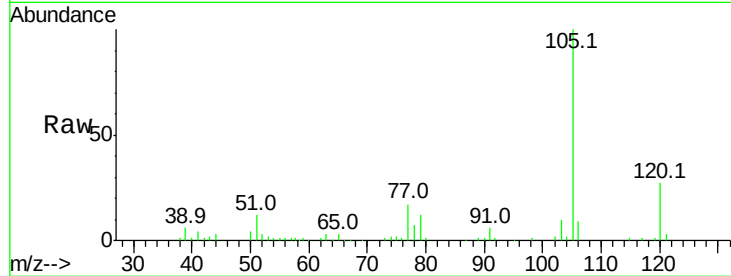
Tgt Ion: 105 Resp: 50462

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

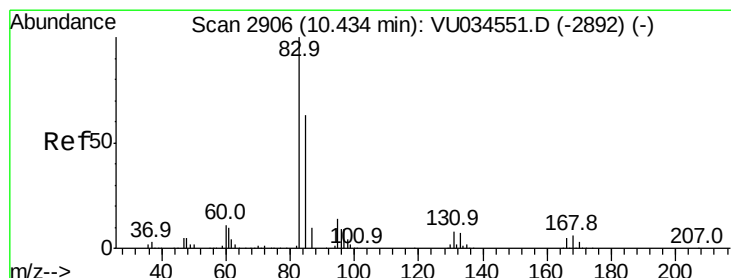
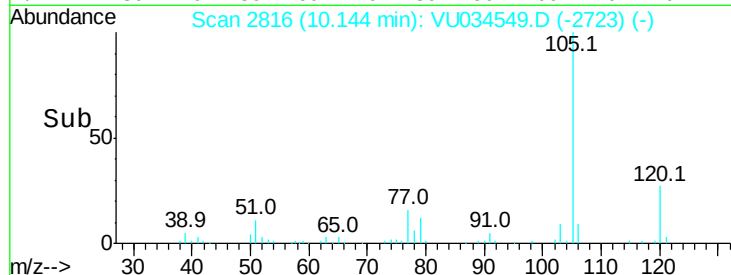
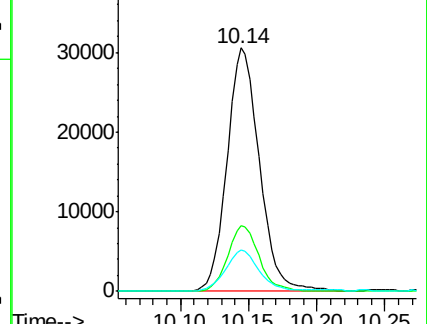
77 17.4 13.5 20.3



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: 4.558 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

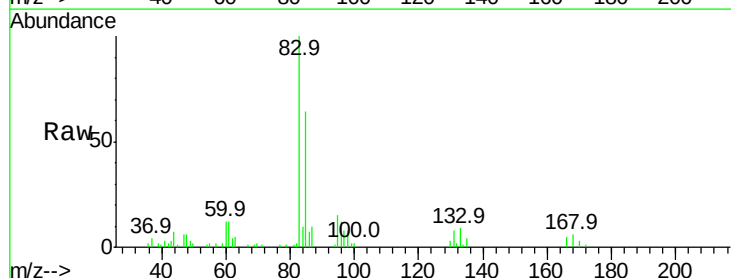
Tgt Ion: 83 Resp: 22747

Ion Ratio Lower Upper

83 100

85 64.5 44.5 82.7

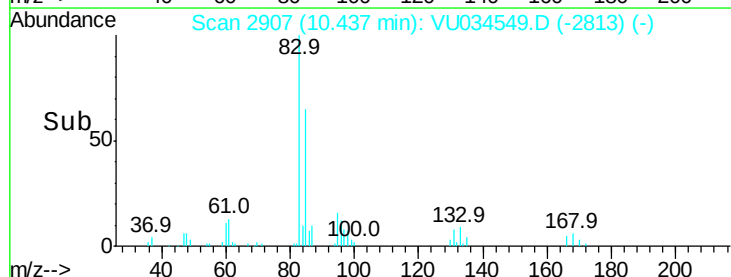
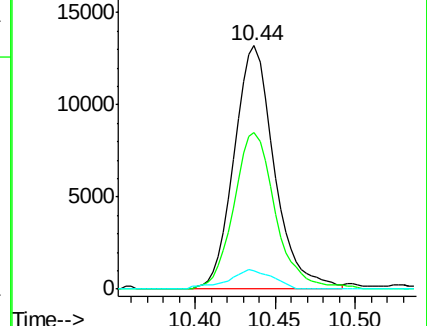
131 7.8 6.8 10.2

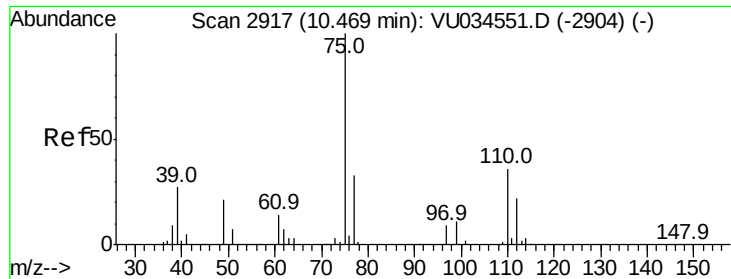


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

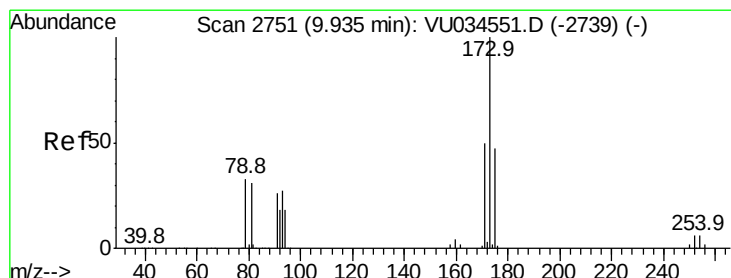
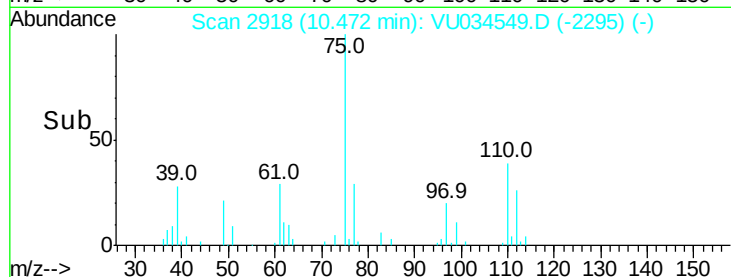
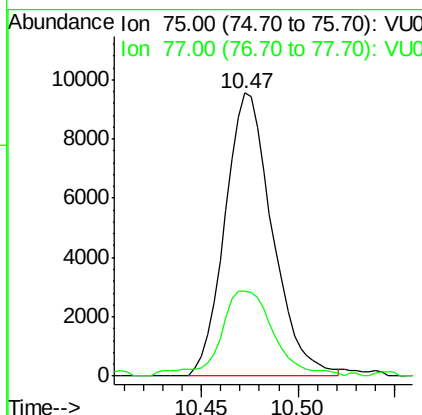
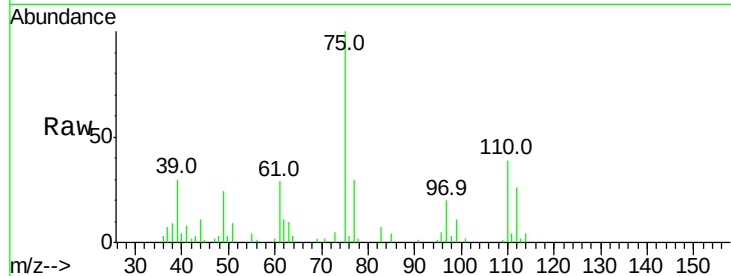




#59
 1,2,3-Trichloropropane
 Concen: 4.062 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

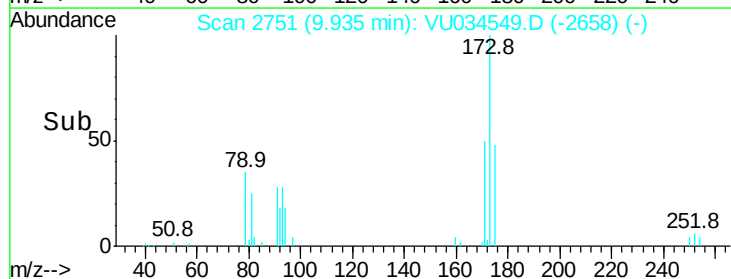
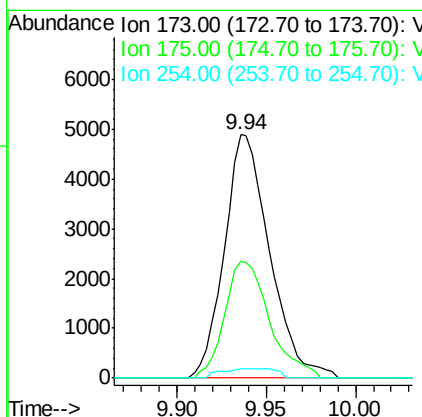
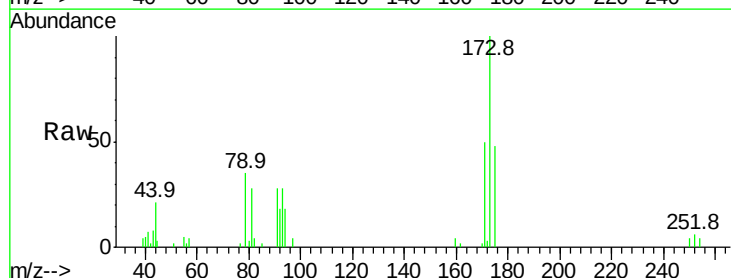
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

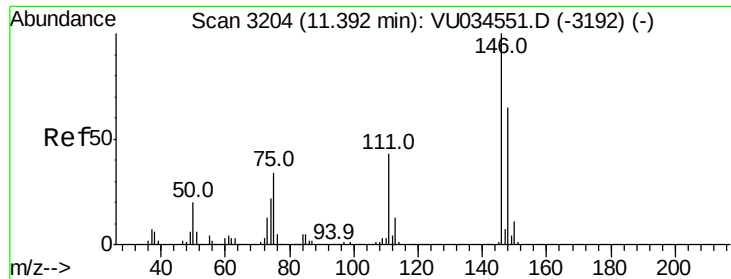
Tgt Ion: 75 Resp: 16292
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.1 39.1



#61
 Bromoform
 Concen: 4.001 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Tgt Ion: 173 Resp: 8651
 Ion Ratio Lower Upper
 173 100
 175 47.4 37.6 56.4
 254 1.0 4.6 7.0#

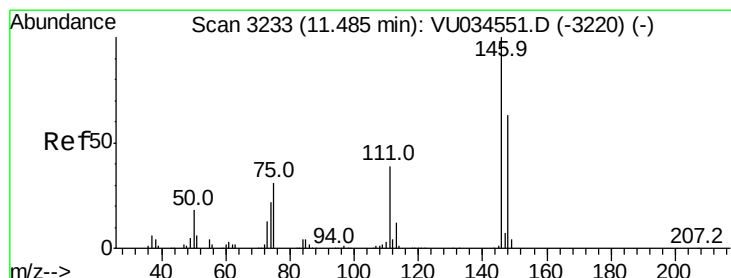
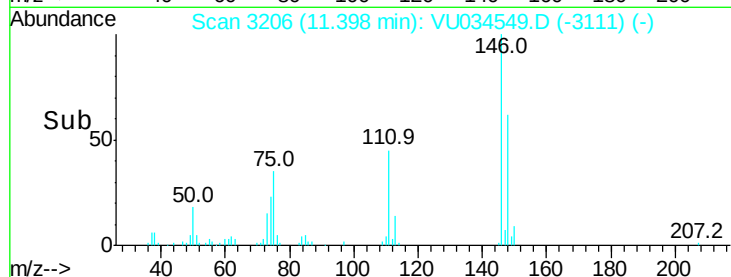
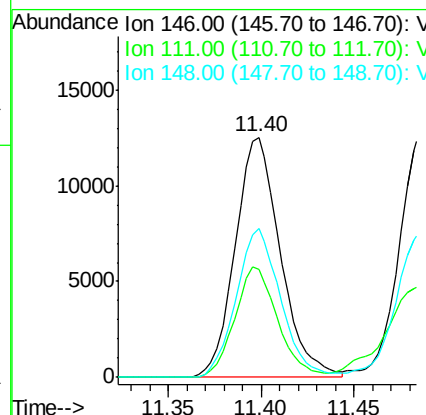
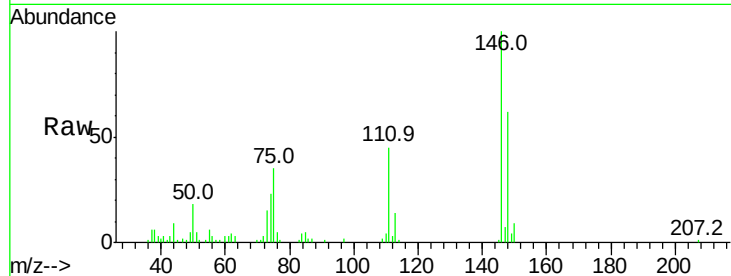




#62
 1,3-Dichlorobenzene
 Concen: 3.942 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

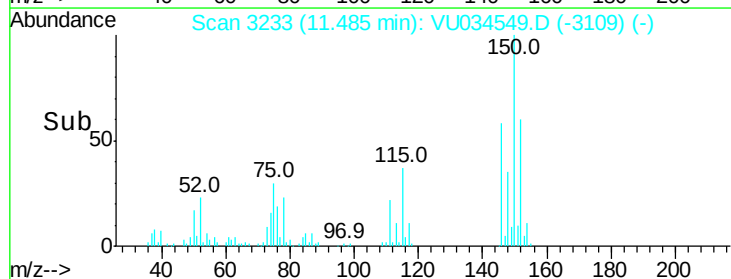
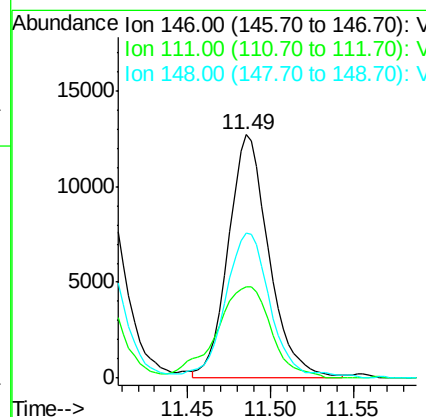
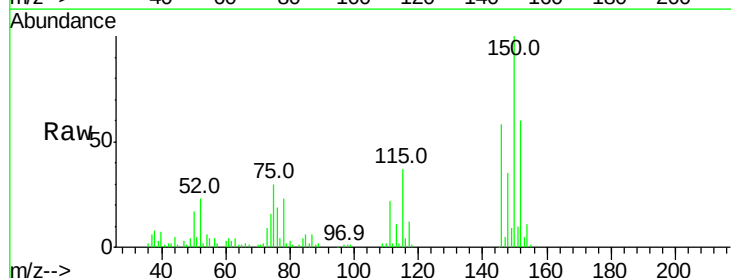
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

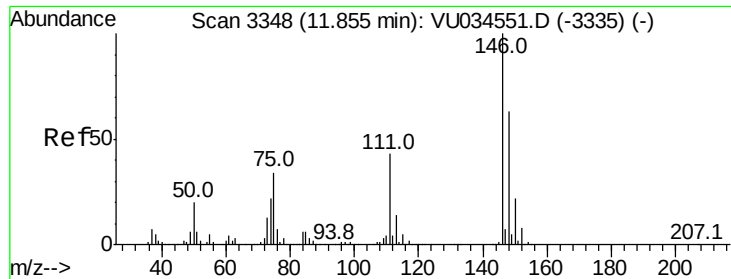
Tgt Ion:146 Resp: 21224
 Ion Ratio Lower Upper
 146 100
 111 45.0 30.2 56.0
 148 62.2 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 3.879 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Tgt Ion:146 Resp: 21642
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.6 51.2
 148 59.5 44.0 81.6

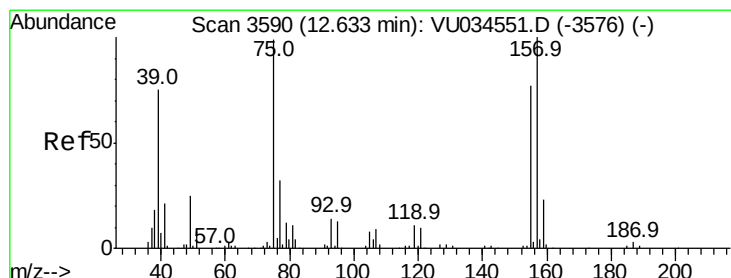
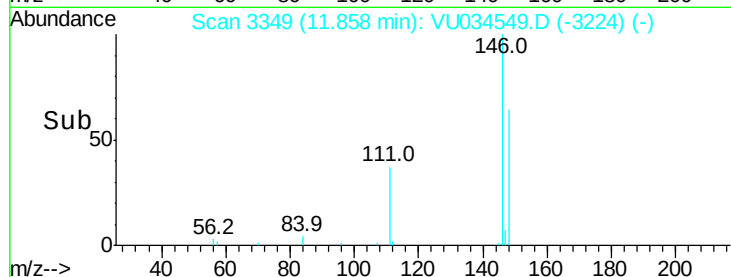
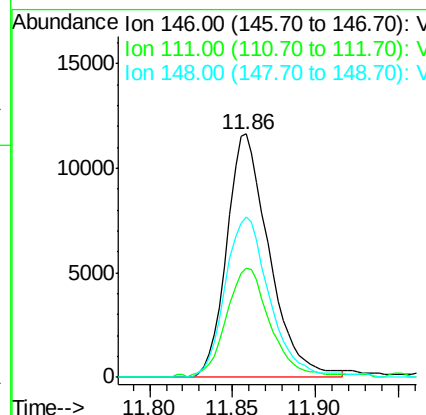
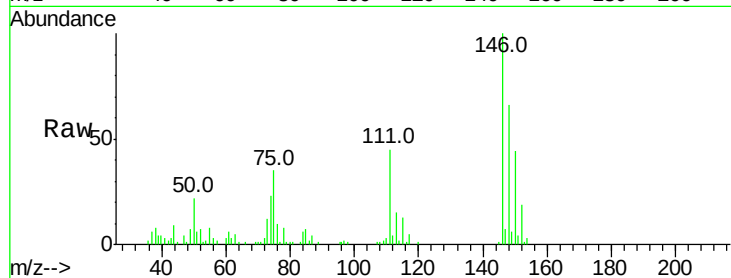




#65
 1,2-Dichlorobenzene
 Concen: 3.855 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

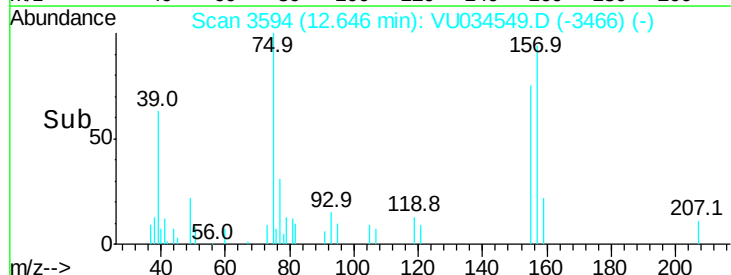
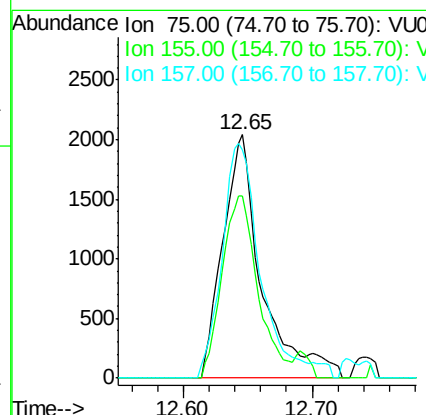
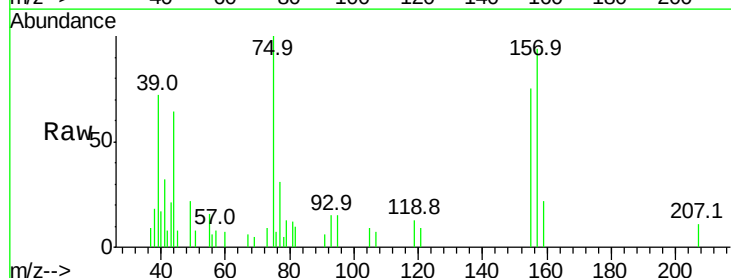
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

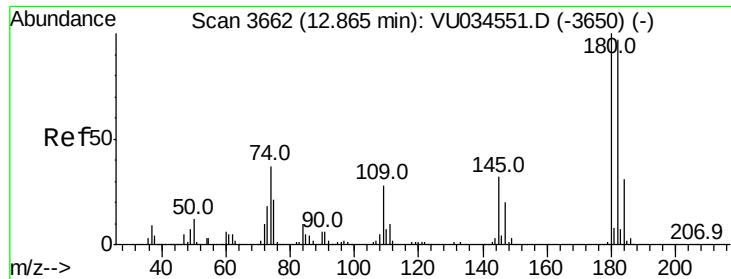
Tgt Ion: 146 Resp: 20708
 Ion Ratio Lower Upper
 146 100
 111 44.8 34.5 51.7
 148 65.8 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.312 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Tgt Ion: 75 Resp: 4248
 Ion Ratio Lower Upper
 75 100
 155 74.6 61.8 92.6
 157 94.0 80.5 120.7

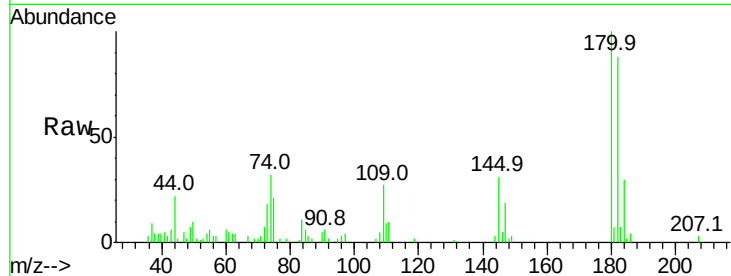




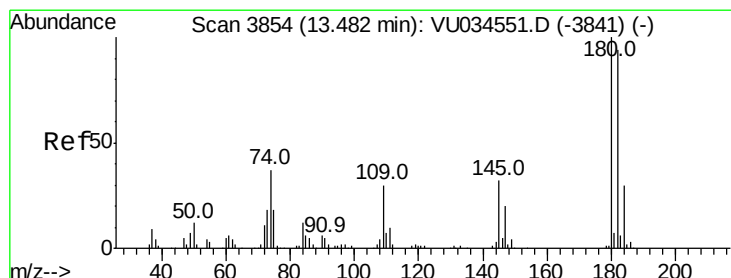
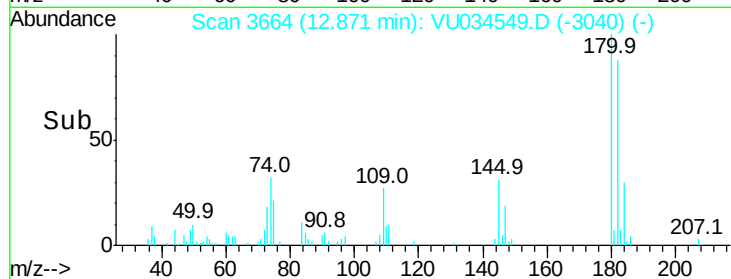
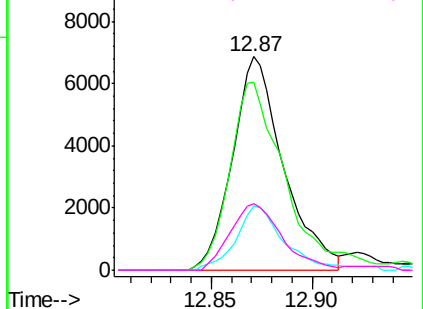
#67
 1,3,5-Trichlorobenzene
 Concen: 2.934 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tgt Ion:180 Resp: 12142
 Ion Ratio Lower Upper
 180 100
 182 90.8 77.9 116.9
 184 28.6 24.2 36.4
 145 31.6 25.8 38.6

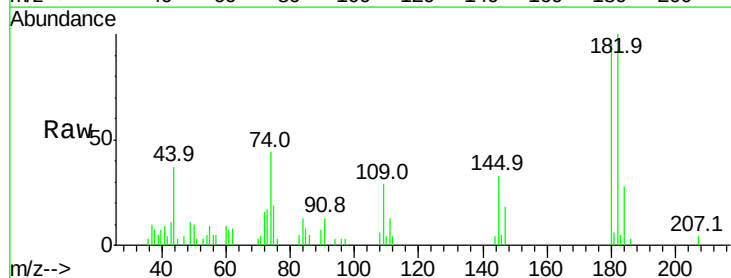


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

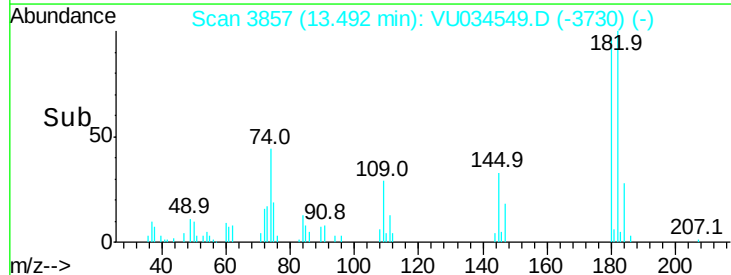
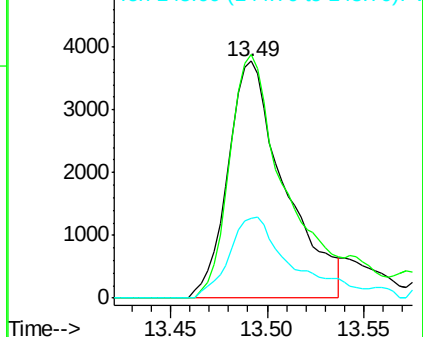


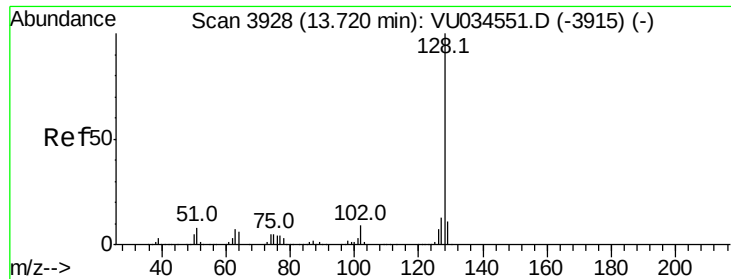
#68
 1,2,4-trichlorobenzene
 Concen: 2.267 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 16 Sep 2019 10:50

Tgt Ion:180 Resp: 7692
 Ion Ratio Lower Upper
 180 100
 182 101.2 75.7 113.5
 145 34.2 25.9 38.9



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: 2.755 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

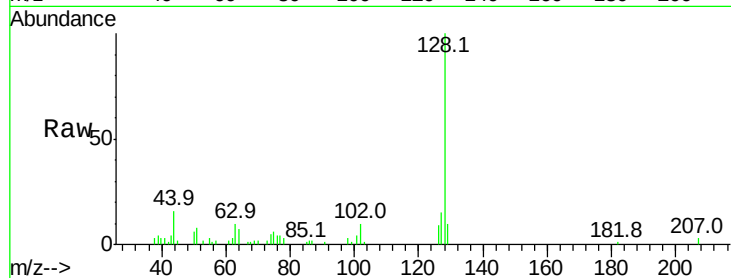
Tgt Ion:128 Resp: 27910

Ion Ratio Lower Upper

128 100

127 11.1 10.0 15.0

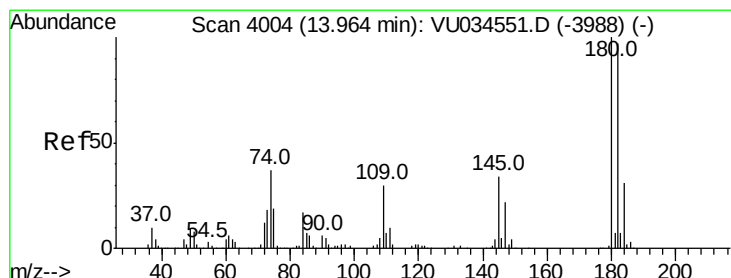
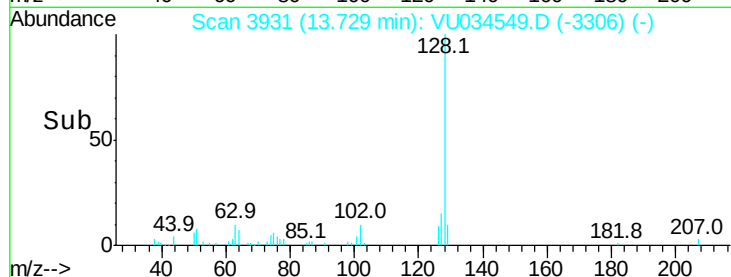
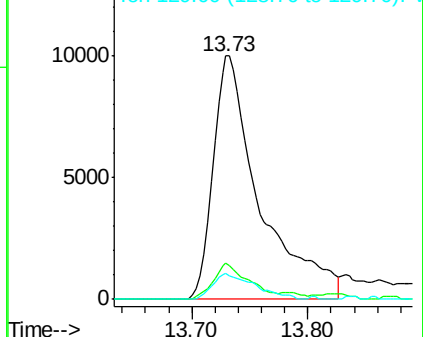
129 8.3 8.6 12.8#



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: 2.476 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 16 Sep 2019 10:50

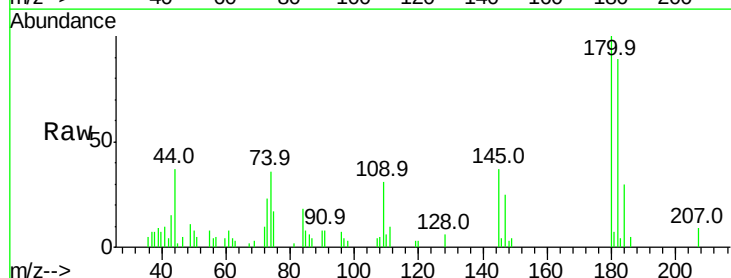
Tgt Ion:180 Resp: 8879

Ion Ratio Lower Upper

180 100

182 98.8 77.1 115.7

145 40.0 27.4 41.0



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

