

Data File : VU034624.D
Acq On : 17 Sep 2019 18:51
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Sep 18 08:03:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 17 18:25:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	105027	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	101238	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	45042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	42349	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.67	69	34473	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.26	63	74617	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.17	46	94891	46.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.38%
24) Chloroform-d	4.62	84	63057	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.29	65	36299	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.31	84	139458	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.31	67	45679	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.54	98	131386	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.83	79	18333	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.29	63	84240	51.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	36974	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	38839	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	40565	5.100 ug/L	96
3) Chloromethane	1.32	50	40481	5.398 ug/L	99
5) Vinyl chloride	1.40	62	38736	4.931 ug/L	98
6) Bromomethane	1.62	94	20414	5.212 ug/L	90
8) Chloroethane	1.69	64	23742	5.184 ug/L	94
9) Trichlorofluoromethane	1.88	101	54013	5.187 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	30065	5.139 ug/L	98
12) 1,1-Dichloroethene	2.27	96	26564	5.128 ug/L	90
13) Acetone	2.31	43	79075	49.820 ug/L	99
14) Carbon disulfide	2.46	76	68578	5.164 ug/L	98
15) Methyl Acetate	2.60	43	18306	4.725 ug/L #	92
16) Methylene chloride	2.68	84	31207	4.529 ug/L	96
17) Methyl tert-butyl Ether	2.98	73	92386	5.093 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	27852	5.174 ug/L	98
19) 1,1-Dichloroethane	3.42	63	68499	5.213 ug/L	99
21) 2-Butanone	4.25	43	121766	53.291 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	36532	5.074 ug/L	96

Data File : VU034624.D
Acq On : 17 Sep 2019 18:51
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Sep 18 08:03:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 17 18:25:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	14266	5.375	ug/L	96
25) Chloroform	4.65	83	73565	5.005	ug/L	95
27) 1,2-Dichloroethane	5.39	62	43994	5.202	ug/L	95
29) 1,1,1-Trichloroethane	4.89	97	53717	5.033	ug/L	94
30) Cyclohexane	4.96	56	55756	4.970	ug/L	98
31) Carbon tetrachloride	5.11	117	44899	5.170	ug/L	96
33) Benzene	5.36	78	140312	5.126	ug/L	100
34) Trichloroethene	6.16	95	36133	5.295	ug/L	95
35) Methylcyclohexane	6.39	83	56982	5.170	ug/L	95
37) 1,2-Dichloropropane	6.41	63	42882	5.074	ug/L	100
38) Bromodichloromethane	6.73	83	50492	4.993	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	61982	5.209	ug/L	94
40) 4-Methyl-2-pentanone	7.44	43	327173	51.362	ug/L	99
42) Toluene	7.61	91	151449	5.120	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	48100	4.983	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	28097	5.227	ug/L	96
47) Tetrachloroethene	8.21	164	21983	5.314	ug/L	97
48) 2-Hexanone	8.34	43	224021	52.329	ug/L	99
49) Dibromochloromethane	8.46	129	31172	4.944	ug/L	98
50) 1,2-Dibromoethane	8.57	107	24506	5.000	ug/L #	97
51) Chlorobenzene	9.10	112	96237	5.190	ug/L	99
52) Ethylbenzene	9.23	91	174930	5.115	ug/L	99
53) m,p-Xylene	9.35	106	61710	5.088	ug/L	99
54) o-Xylene	9.76	106	62882	5.161	ug/L	88
55) Styrene	9.77	104	106988	5.287	ug/L	99
56) Isopropylbenzene	10.14	105	173778	5.134	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	41561	5.237	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	29209	5.290	ug/L	98
61) Bromoform	9.94	173	15441	5.190	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	71051	5.373	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	70000	5.303	ug/L	96
65) 1,2-Dichlorobenzene	11.85	146	67153	5.189	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	6647	5.671	ug/L	90
67) 1,3,5-Trichlorobenzene	12.86	180	46003	5.323	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	38103	5.529	ug/L	97
69) Naphthalene	13.72	128	89587	5.338	ug/L	96
70) 1,2,3-Trichlorobenzene	13.97	180	36591	5.668	ug/L	98

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

Data File : VU034624.D

Acq On : 17 Sep 2019 18:51

Operator : JC/SP

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

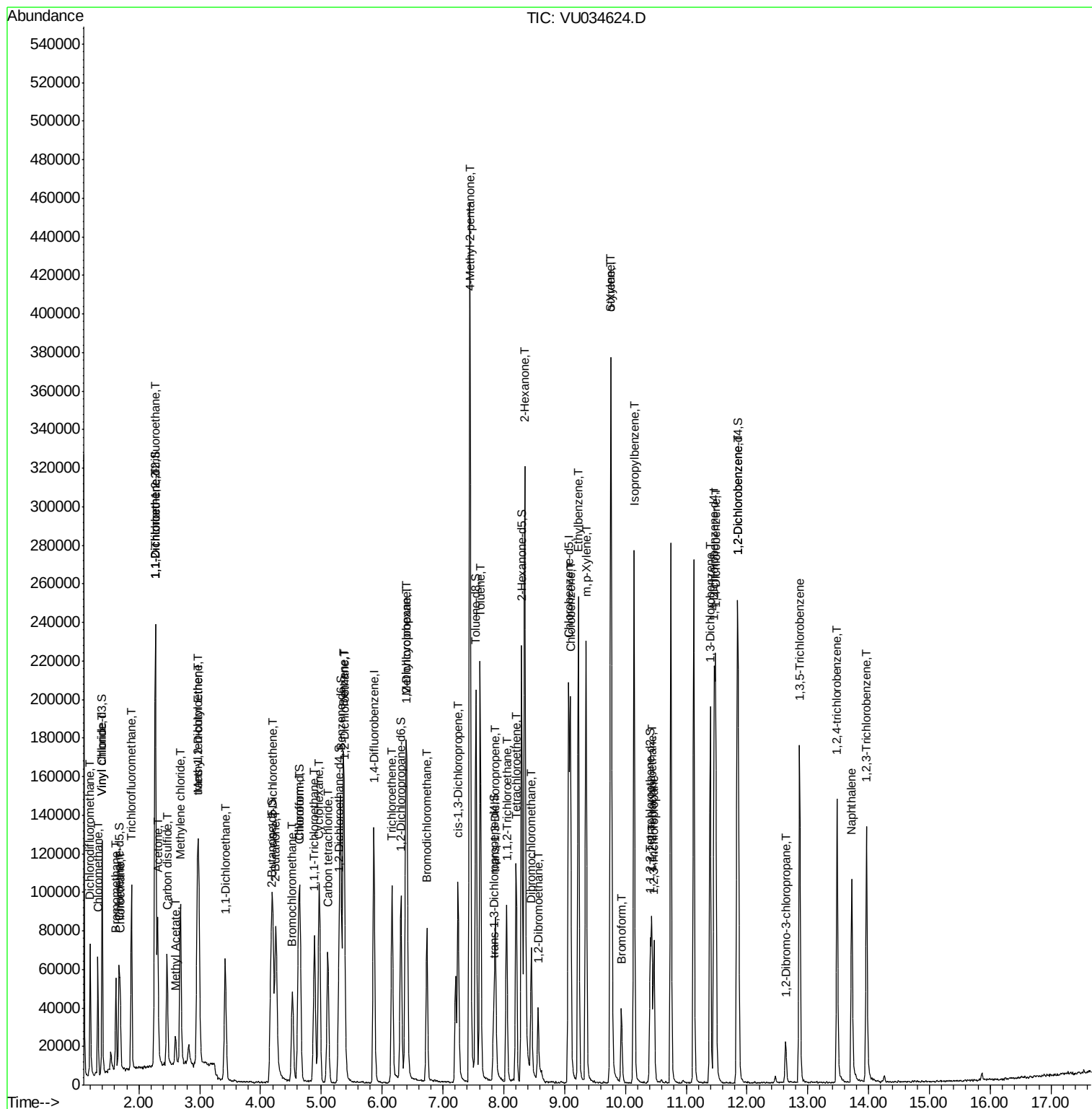
Quant Time: Sep 18 08:03:16 2019

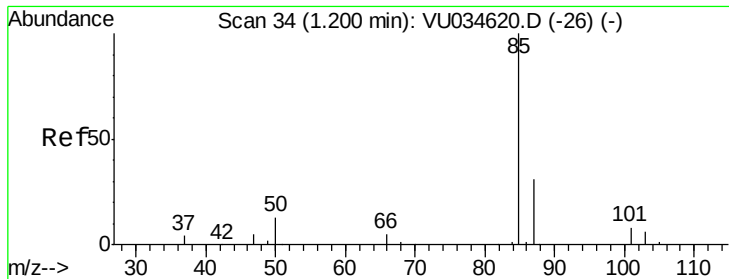
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Sep 17 18:25:32 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.100 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

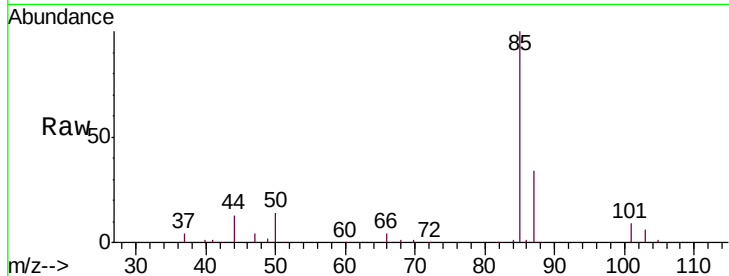
VSTD00520

Tgt Ion: 85 Resp: 40565

Ion Ratio Lower Upper

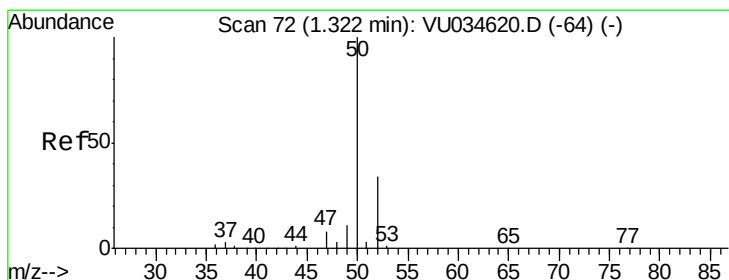
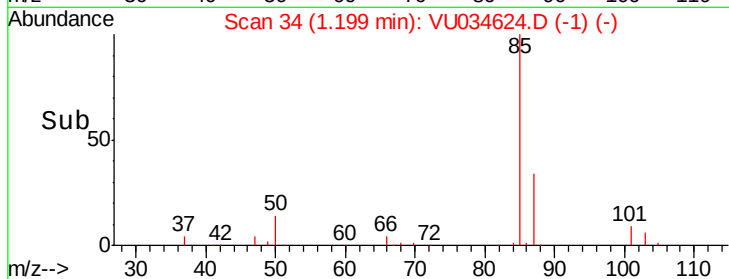
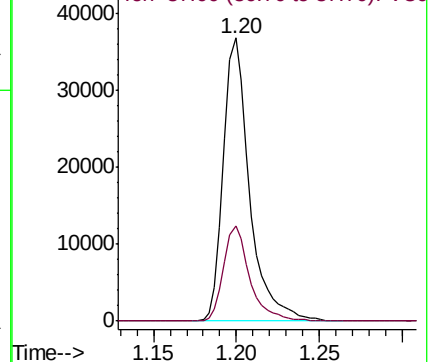
85 100

87 33.4 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VU034620.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034620.D (-26) (-)



#3

Chloromethane

Concen: 5.398 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034624.D

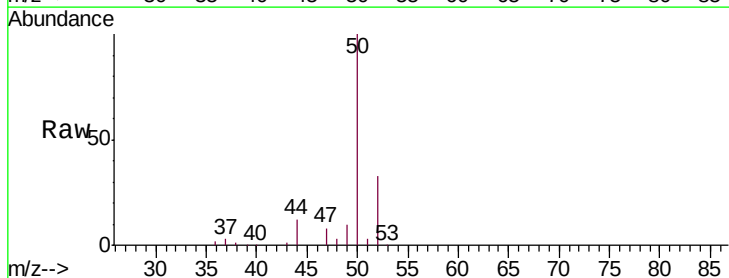
Acq: 17 Sep 2019 18:51

Tgt Ion: 50 Resp: 40481

Ion Ratio Lower Upper

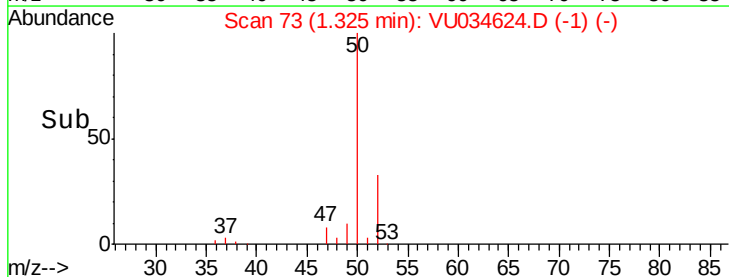
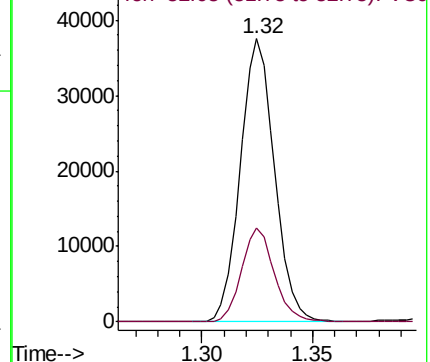
50 100

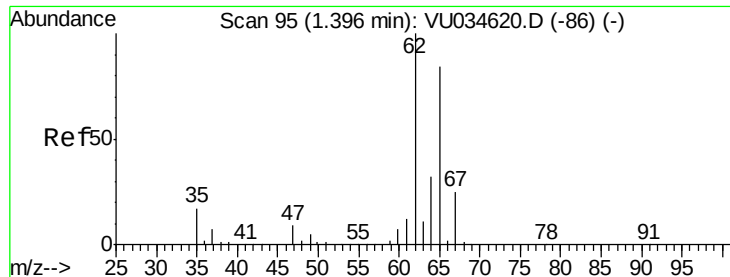
52 33.3 23.9 44.3



Abundance Ion 50.05 (49.75 to 50.75): VU034620.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034620.D (-64) (-)





#5

Vinyl chloride

Concen: 4.931 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

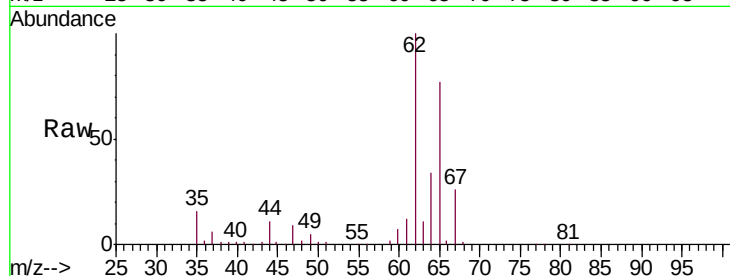
VSTD00520

Tgt Ion: 62 Resp: 38736

Ion Ratio Lower Upper

62 100

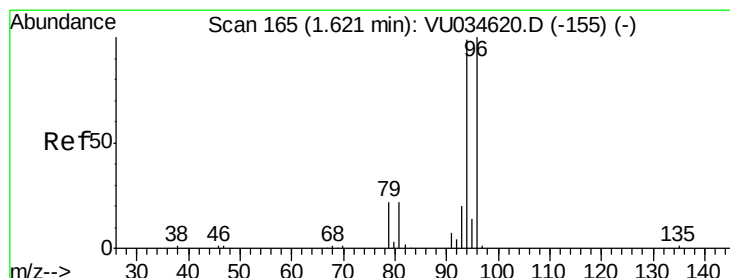
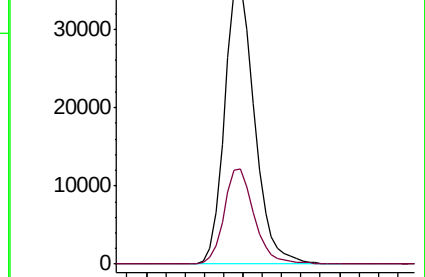
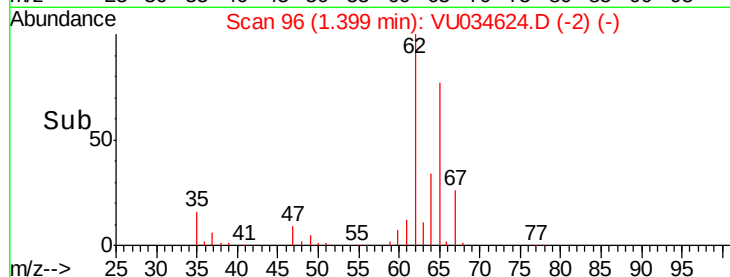
64 33.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU034624.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034624.D (-86) (-)

Time-->



#6

Bromomethane

Concen: 5.212 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034624.D

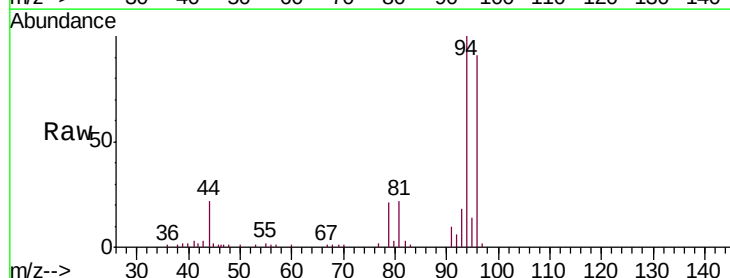
Acq: 17 Sep 2019 18:51

Tgt Ion: 94 Resp: 20414

Ion Ratio Lower Upper

94 100

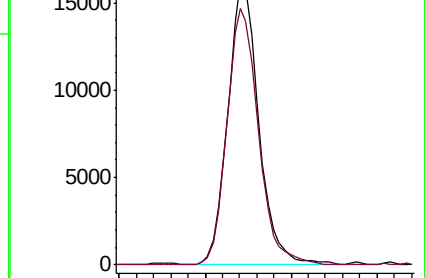
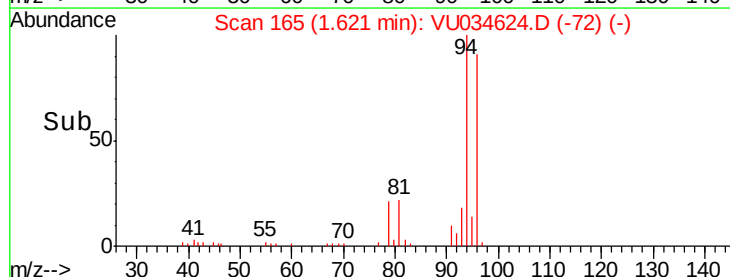
96 90.8 70.4 130.8

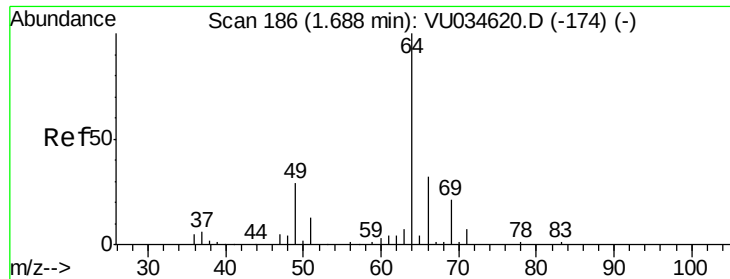


Abundance Ion 94.00 (93.70 to 94.70): VU034624.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034624.D (-155) (-)

Time-->





#8

Chloroethane

Concen: 5.184 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

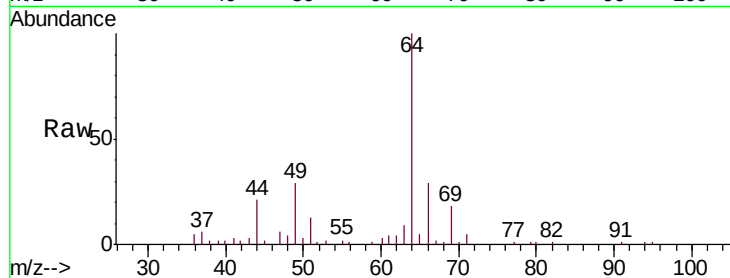
VSTD00520

Tgt Ion: 64 Resp: 23742

Ion Ratio Lower Upper

64 100

66 28.8 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU034624.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU034624.D (-174) (-)

1.69

20000

15000

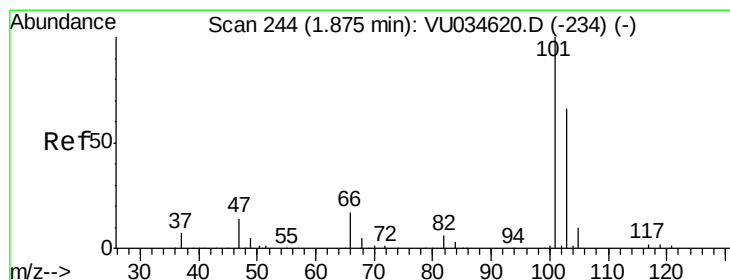
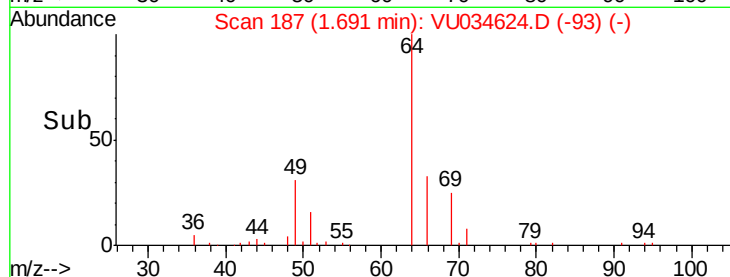
10000

5000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 5.187 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034624.D

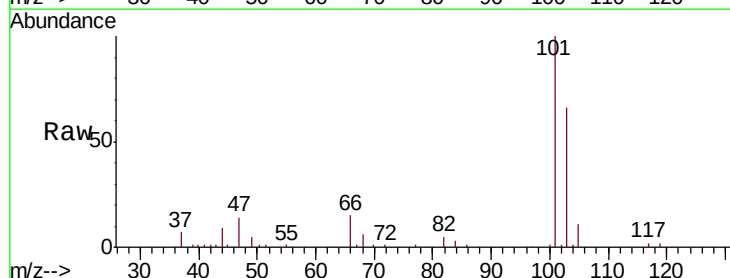
Acq: 17 Sep 2019 18:51

Tgt Ion: 101 Resp: 54013

Ion Ratio Lower Upper

101 100

103 64.6 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU034624.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU034624.D (-234) (-)

1.88

40000

30000

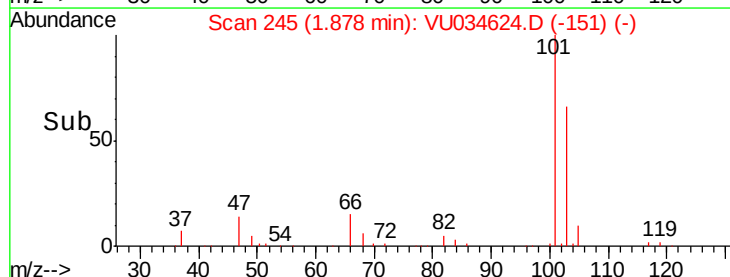
20000

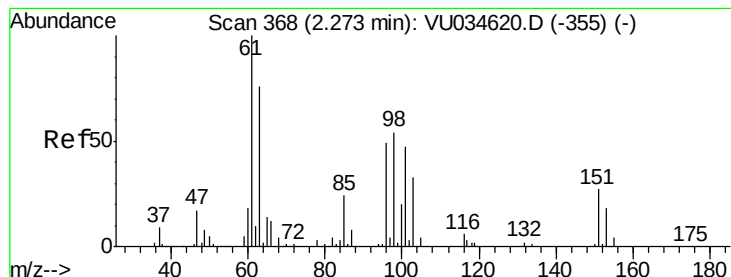
10000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 5.139 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

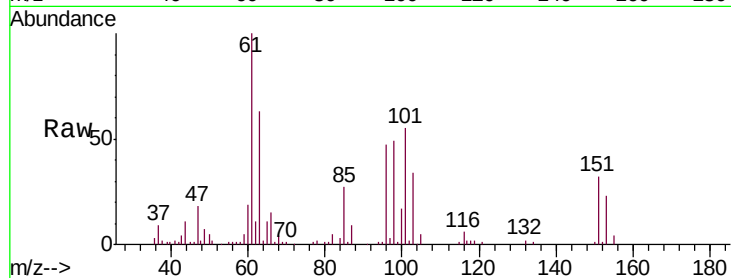
Tgt Ion: 101 Resp: 30065

Ion Ratio Lower Upper

101 100

85 51.5 41.9 62.9

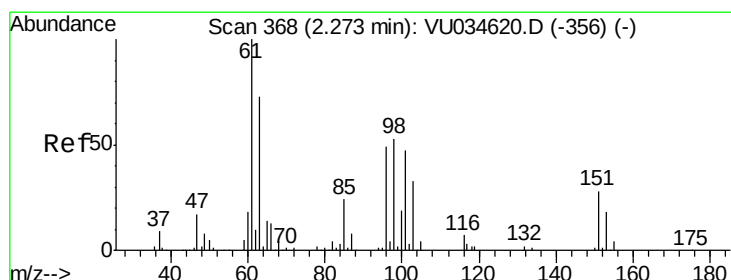
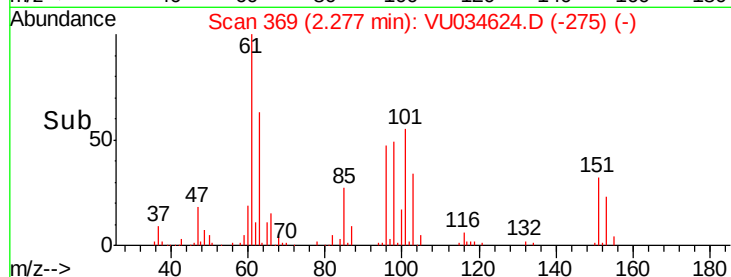
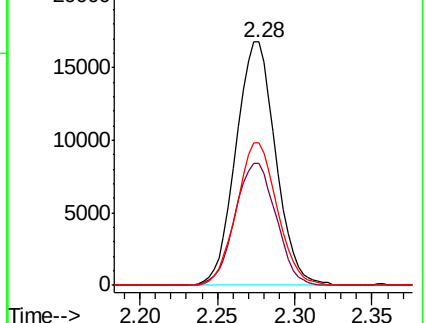
151 59.6 46.4 69.6



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: 5.128 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

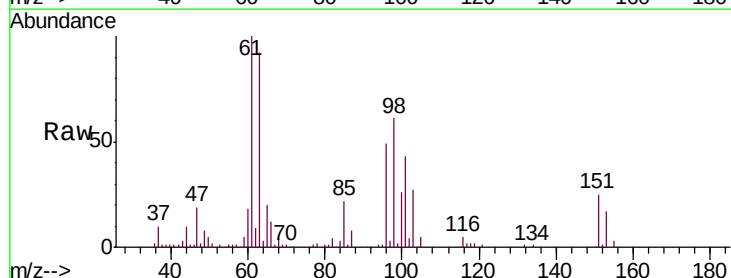
Tgt Ion: 96 Resp: 26564

Ion Ratio Lower Upper

96 100

61 204.3 144.4 268.2

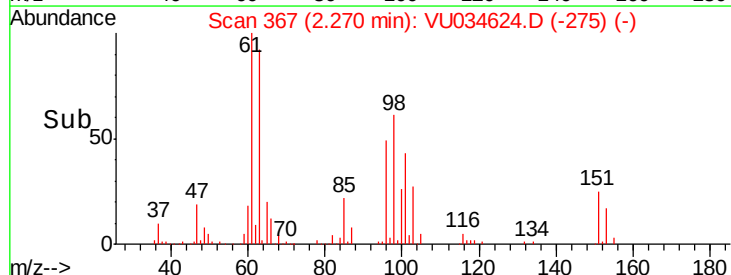
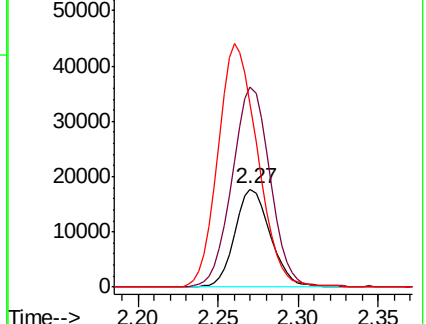
63 187.1 111.5 207.1

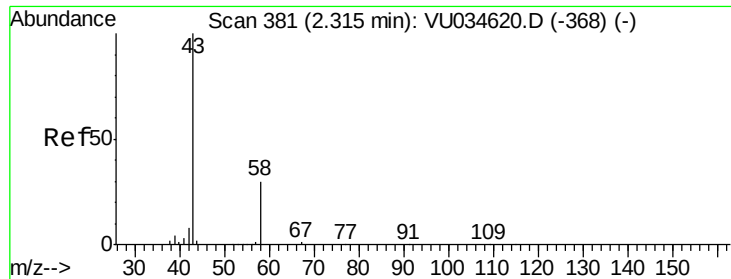


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.820 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

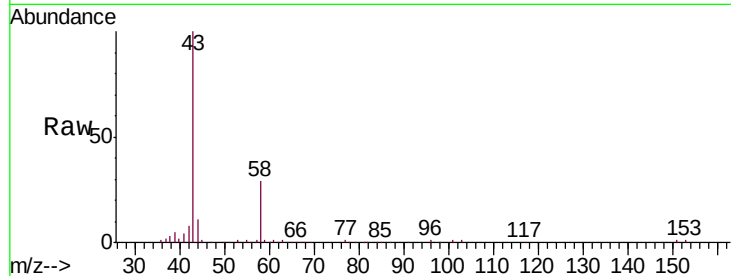
VSTD00520

Tgt Ion: 43 Resp: 79075

Ion Ratio Lower Upper

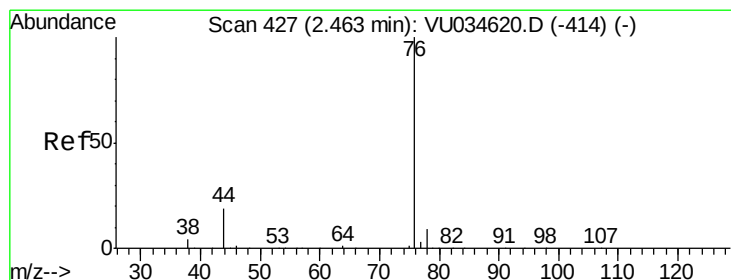
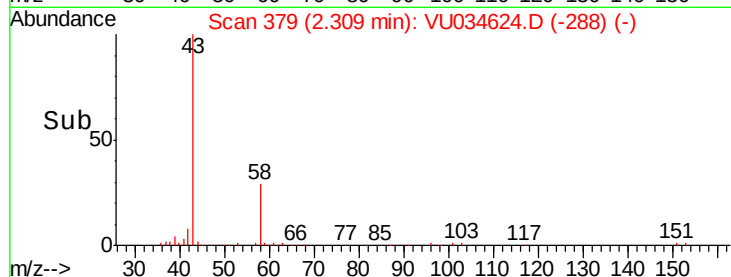
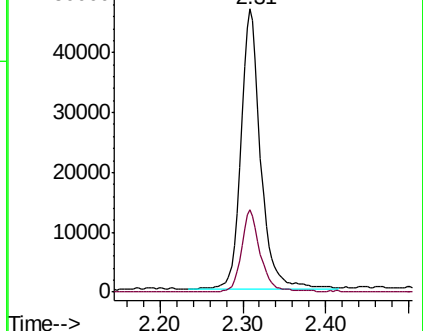
43 100

58 28.2 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU034624.D (-368) (-)

Ion 58.05 (57.75 to 58.75): VU034624.D (-368) (-)



#14

Carbon disulfide

Concen: 5.164 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034624.D

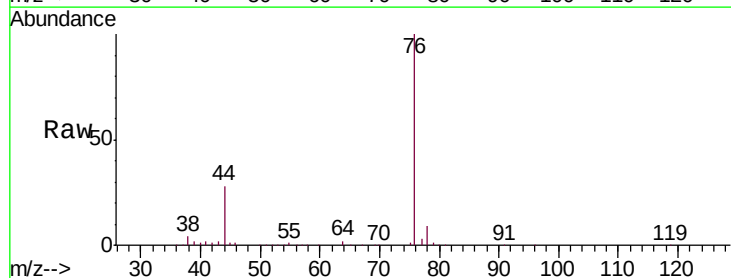
Acq: 17 Sep 2019 18:51

Tgt Ion: 76 Resp: 68578

Ion Ratio Lower Upper

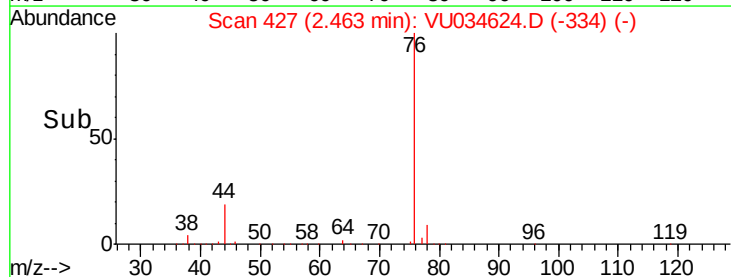
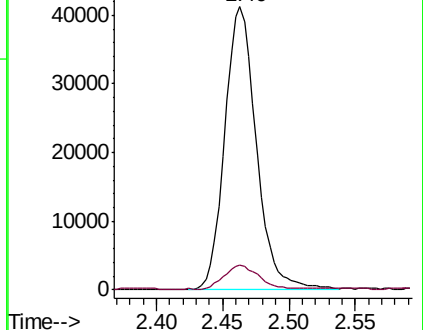
76 100

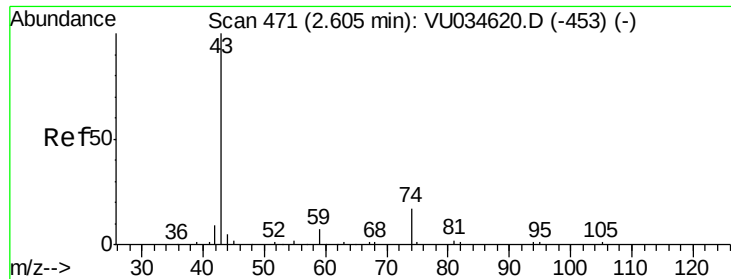
78 8.8 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU034624.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034624.D (-414) (-)

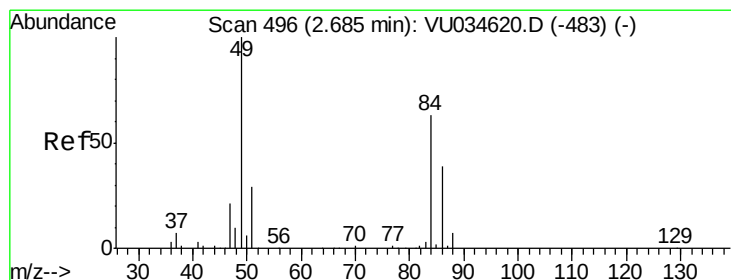
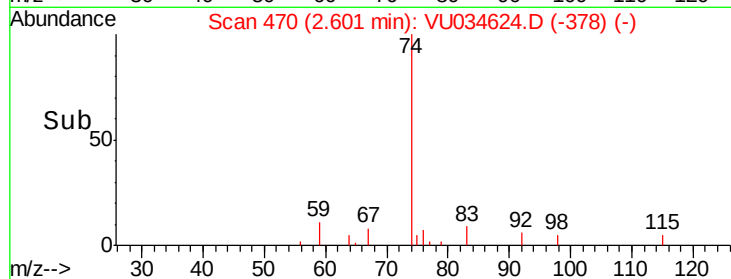
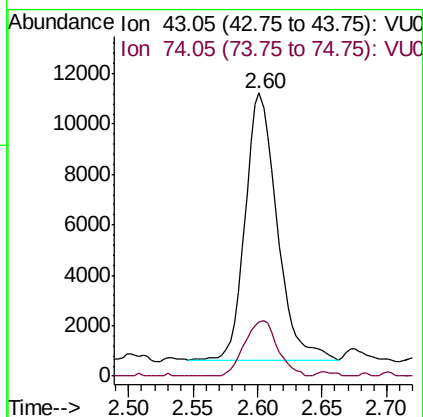
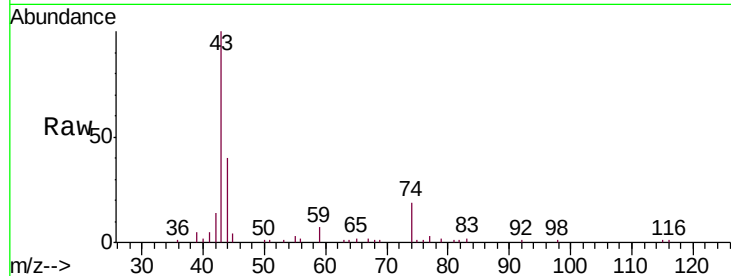




#15
Methyl Acetate
Concen: 4.725 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

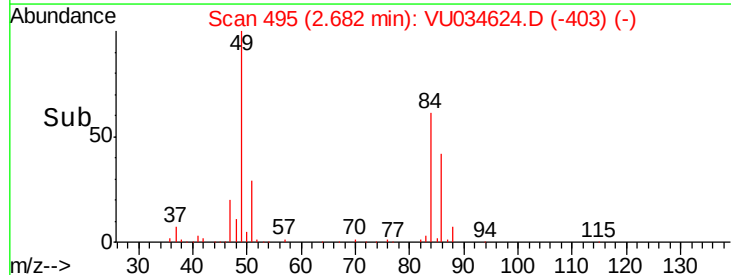
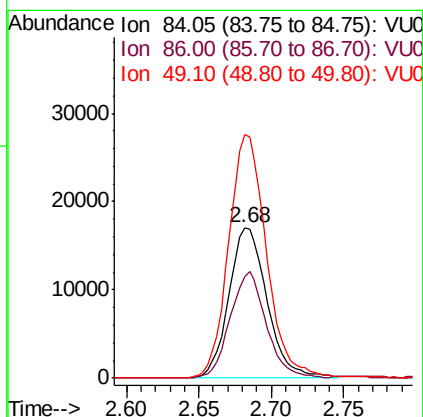
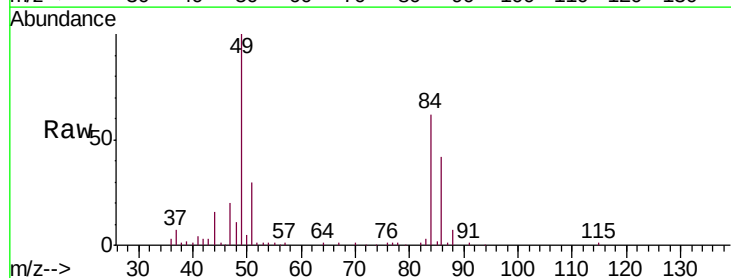
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

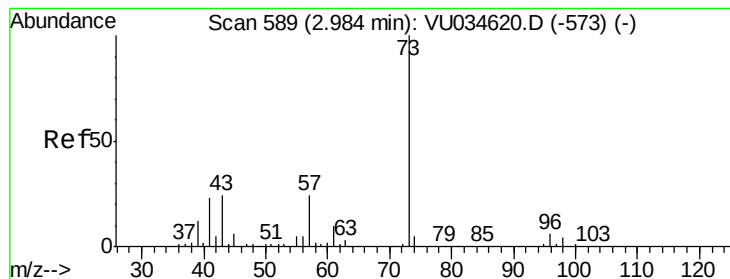
Tgt Ion: 43 Resp: 18306
Ion Ratio Lower Upper
43 100
74 21.4 14.2 21.2#



#16
Methylene chloride
Concen: 4.529 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Tgt Ion: 84 Resp: 31207
Ion Ratio Lower Upper
84 100
86 67.8 43.0 80.0
49 162.0 110.9 205.9





#17

Methyl tert-butyl Ether

Concen: 5.093 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

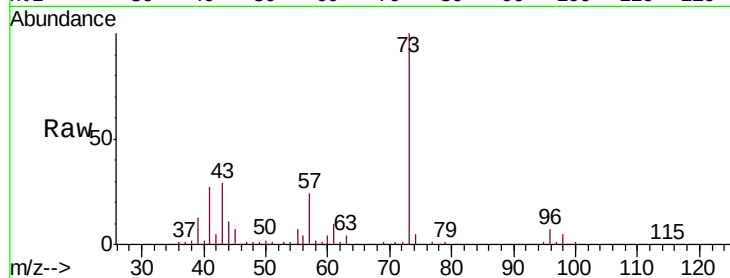
Tgt Ion: 73 Resp: 92386

Ion Ratio Lower Upper

73 100

43 26.6 20.3 30.5

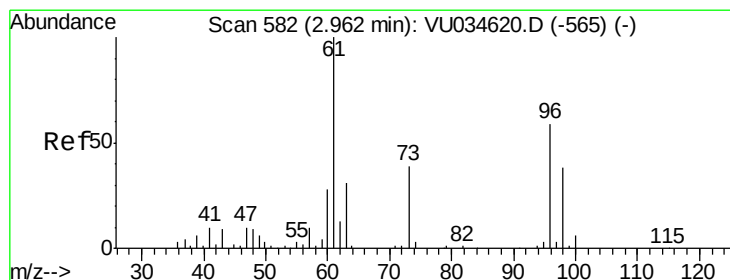
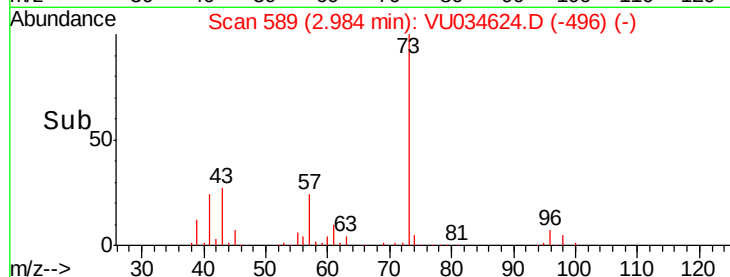
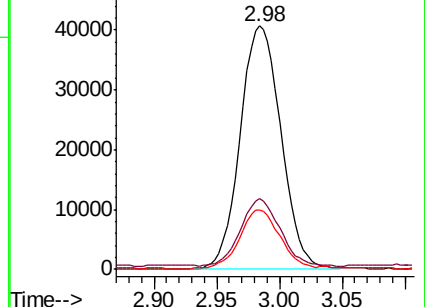
57 24.4 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VU034624.D (-496) (-)

Ion 43.05 (42.75 to 43.75): VU034624.D (-496) (-)

Ion 57.10 (56.80 to 57.80): VU034624.D (-496) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.174 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

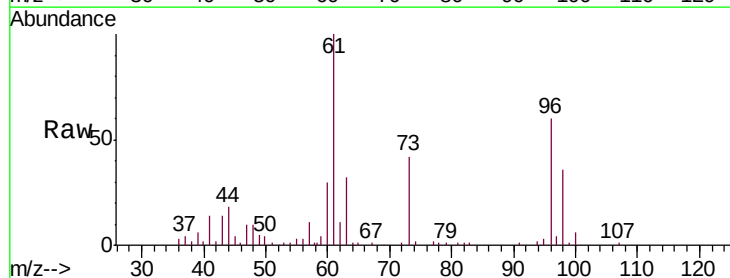
Tgt Ion: 96 Resp: 27852

Ion Ratio Lower Upper

96 100

61 167.8 118.2 219.6

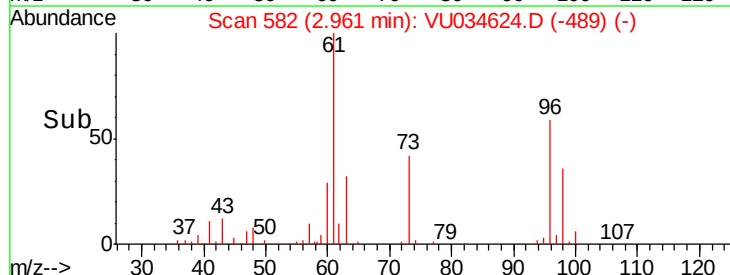
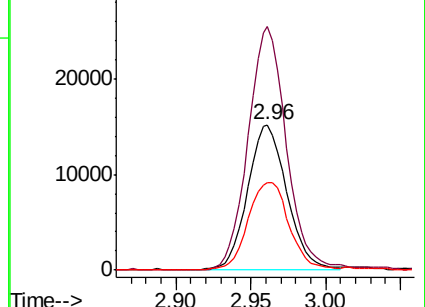
98 60.4 44.8 83.2

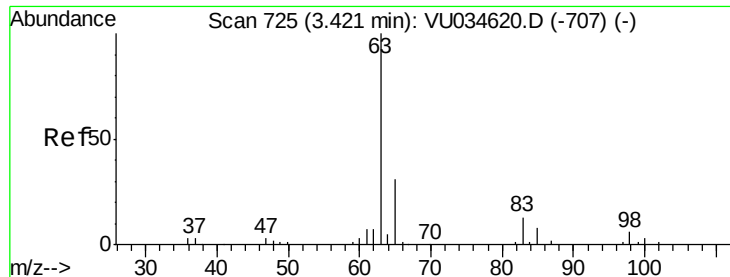


Abundance Ion 96.00 (95.70 to 96.70): VU034624.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU034624.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU034624.D (-489) (-)

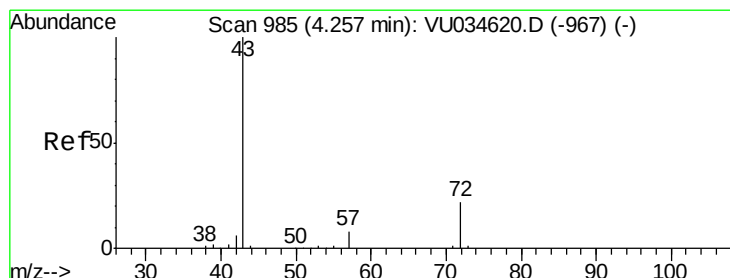
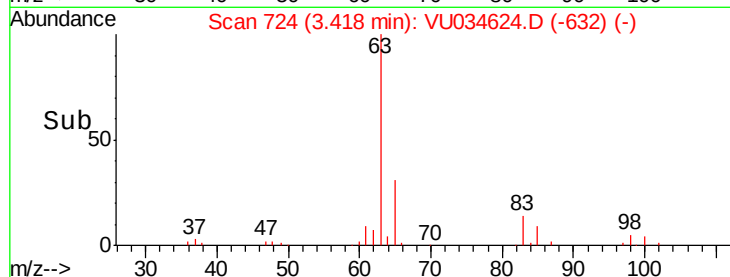
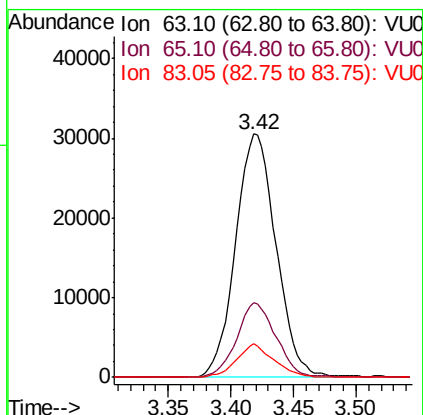
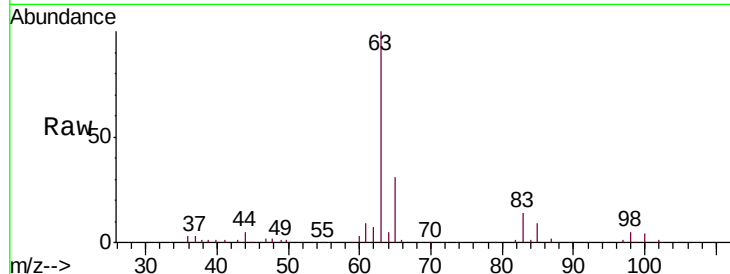




#19
 1,1-Dichloroethane
 Concen: 5.213 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

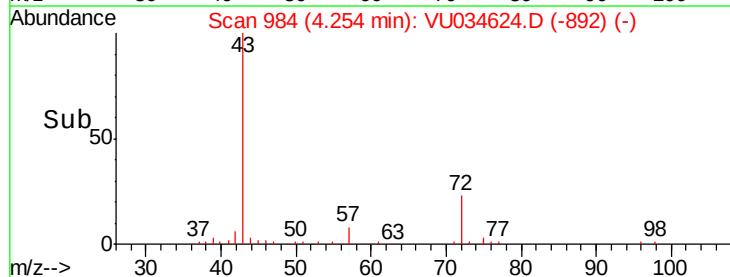
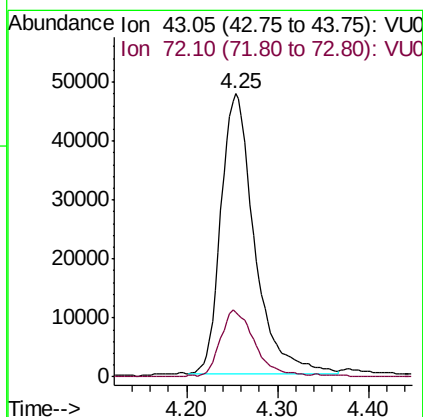
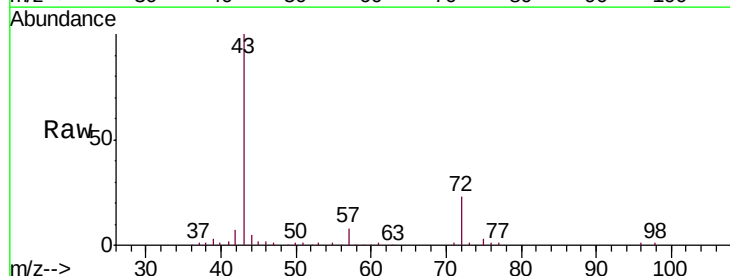
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

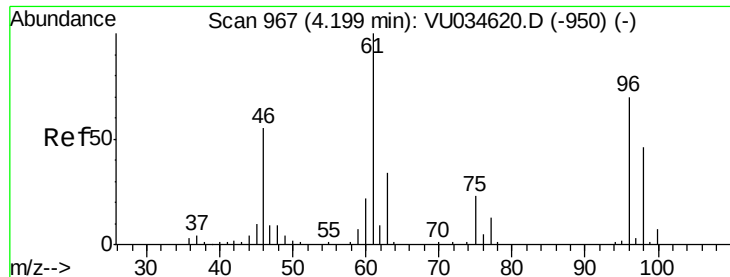
Tgt Ion: 63 Resp: 68499
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.9 40.7
 83 13.6 9.4 17.6



#21
 2-Butanone
 Concen: 53.291 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Tgt Ion: 43 Resp: 121766
 Ion Ratio Lower Upper
 43 100
 72 23.5 10.8 32.3



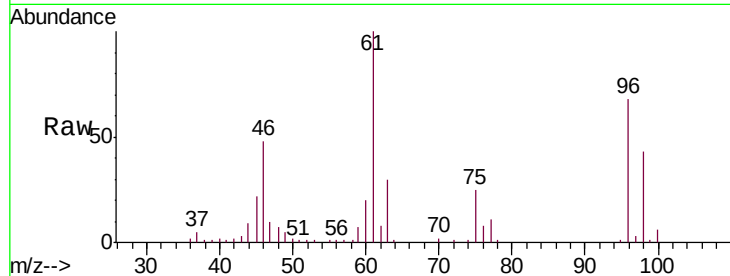


#22

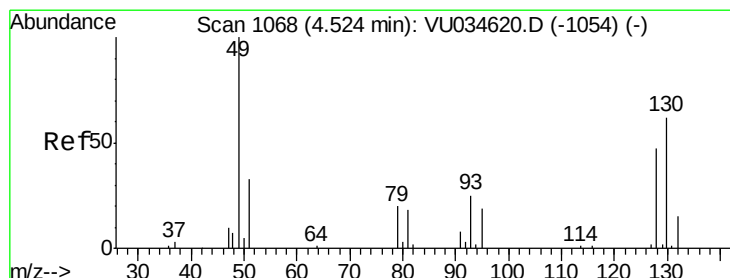
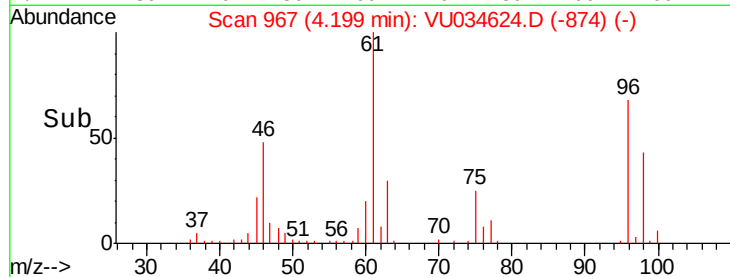
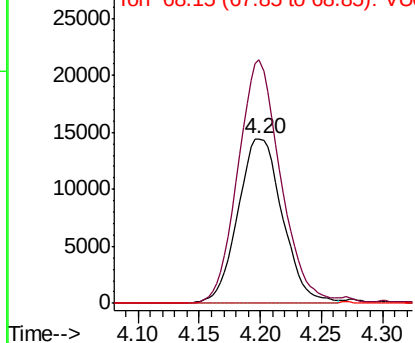
cis-1,2-Dichloroethene
Concen: 5.074 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Instrument :
MSVOA_U
ClientSampled :
VSTD00520

Tgt Ion: 96 Resp: 36532
Ion Ratio Lower Upper
96 100
61 148.1 100.0 185.8
68 0.0 0.0 0.0



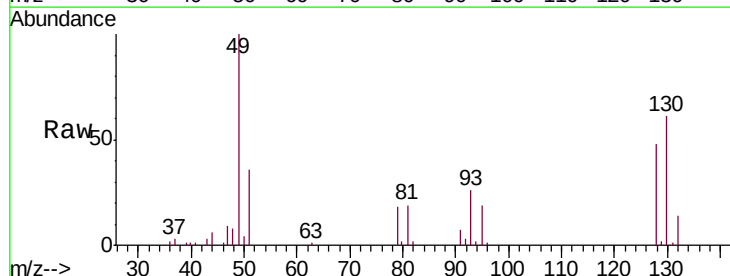
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



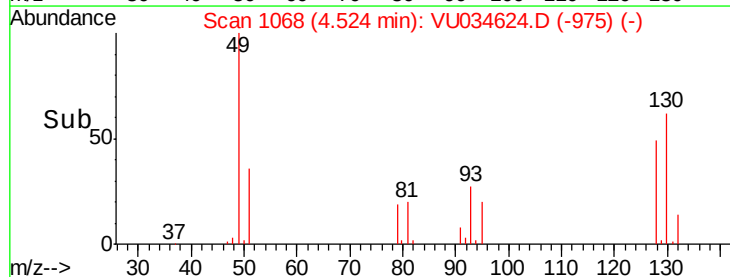
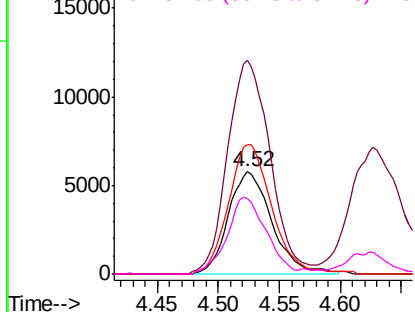
#23

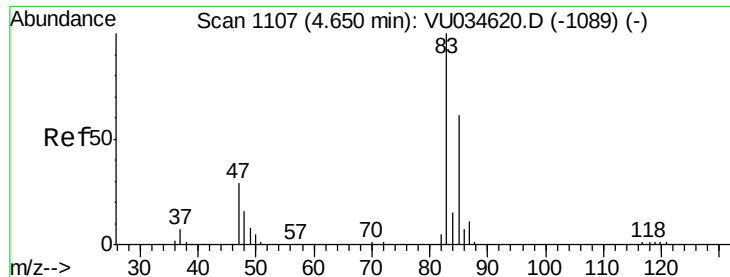
Bromochloromethane
Concen: 5.375 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Tgt Ion: 128 Resp: 14266
Ion Ratio Lower Upper
128 100
49 209.1 149.9 278.3
130 127.0 91.3 169.6
51 74.4 55.7 83.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

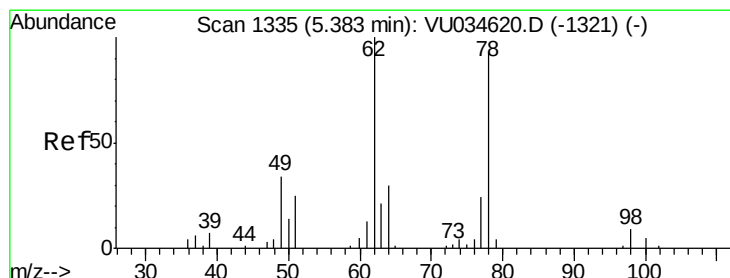
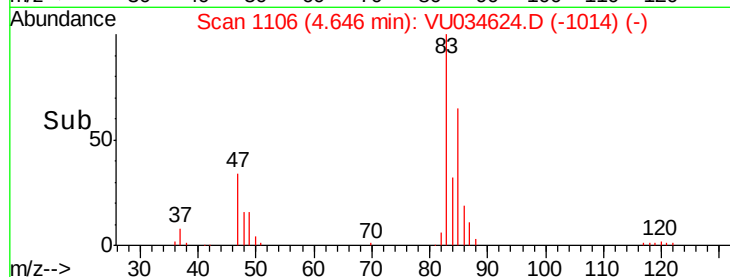
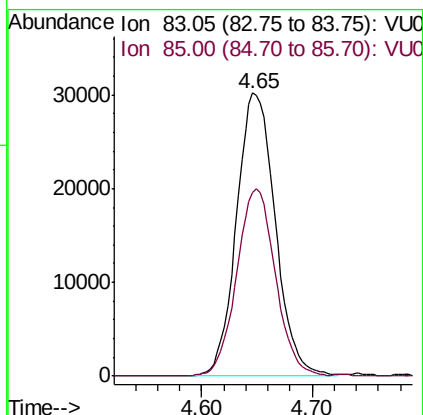
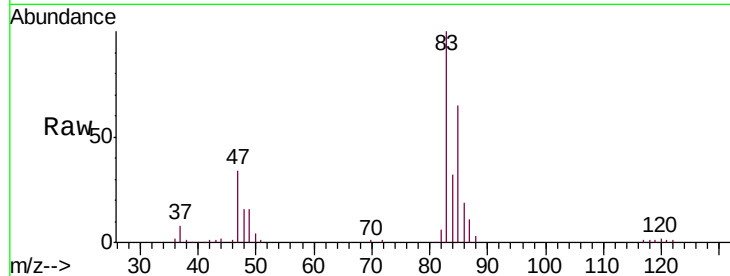




#25
Chloroform
Concen: 5.005 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

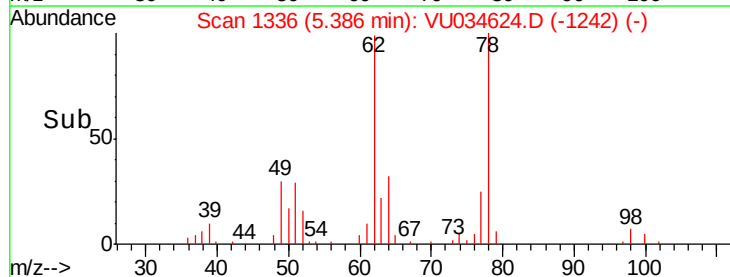
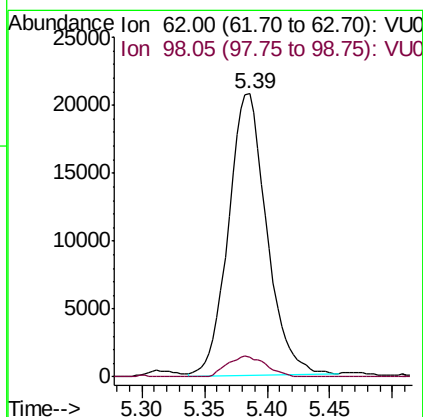
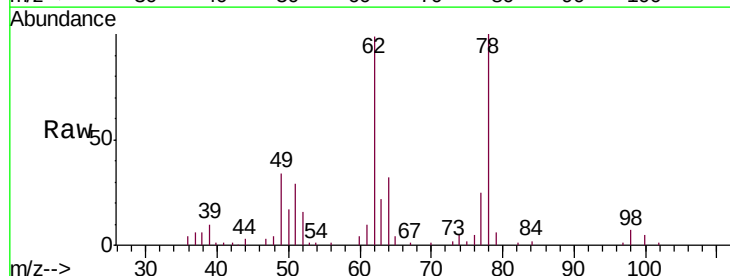
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

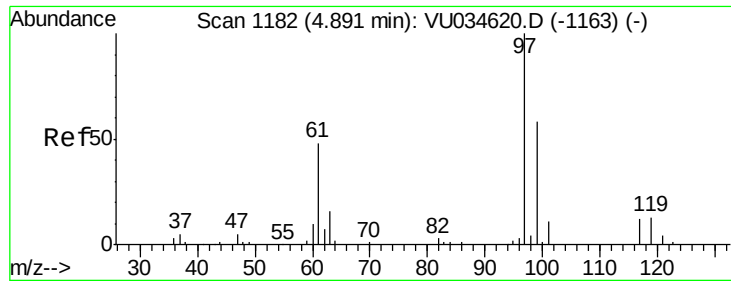
Tgt Ion: 83 Resp: 73565
Ion Ratio Lower Upper
83 100
85 64.9 42.8 79.4



#27
1,2-Dichloroethane
Concen: 5.202 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Tgt Ion: 62 Resp: 43994
Ion Ratio Lower Upper
62 100
98 7.1 7.0 10.6

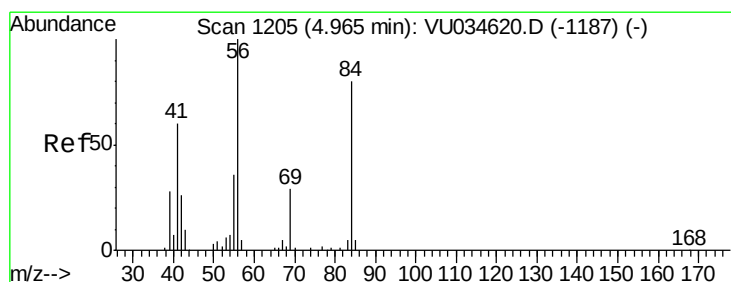
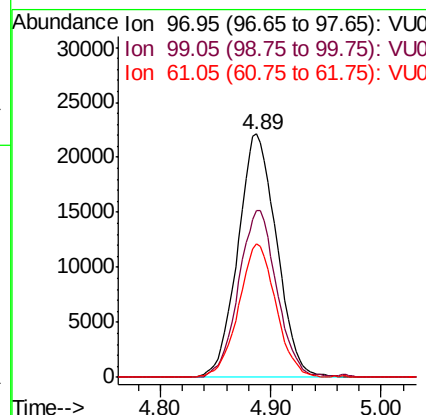
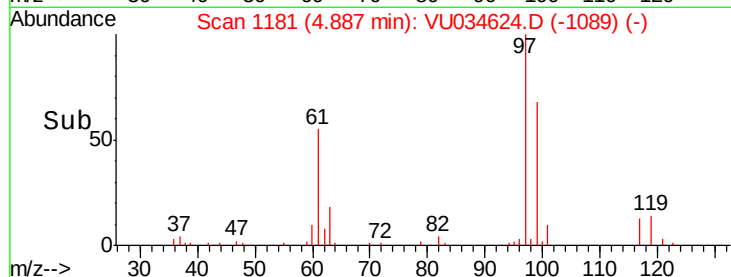
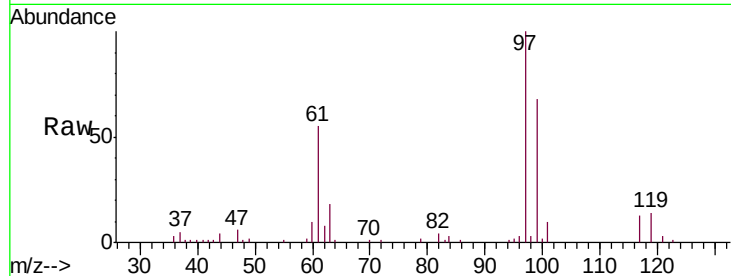




#29
 1,1,1-Trichloroethane
 Concen: 5.033 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

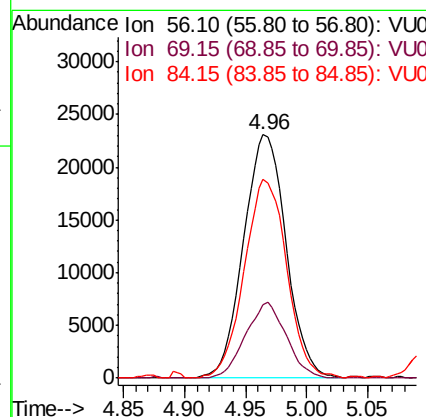
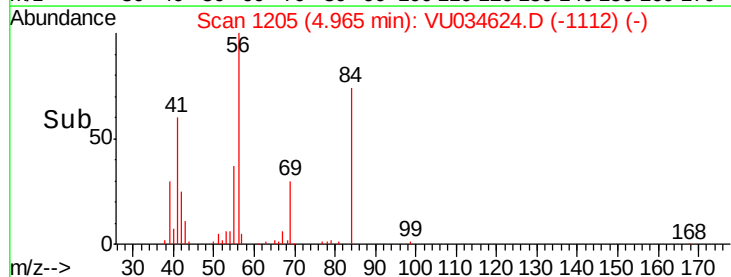
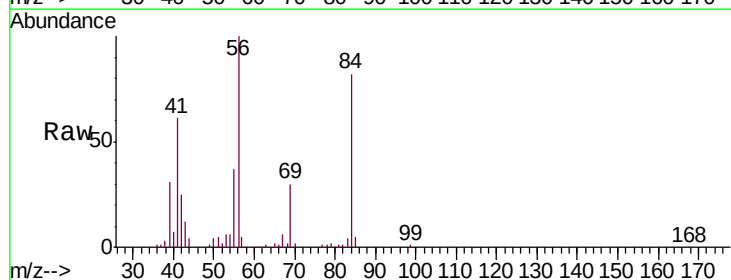
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

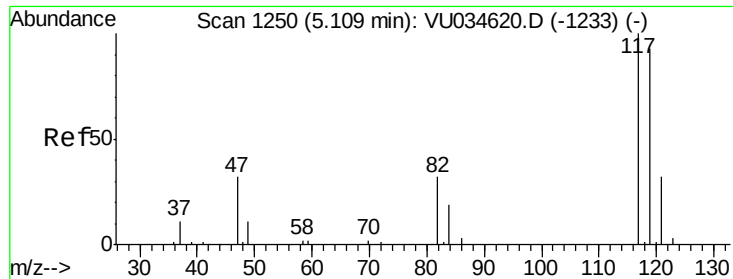
Tgt Ion: 97 Resp: 53717
 Ion Ratio Lower Upper
 97 100
 99 67.6 50.0 75.0
 61 52.7 39.8 59.6



#30
 Cyclohexane
 Concen: 4.970 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Tgt Ion: 56 Resp: 55756
 Ion Ratio Lower Upper
 56 100
 69 29.6 21.4 32.2
 84 81.2 64.2 96.2





#31

Carbon tetrachloride

Concen: 5.170 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

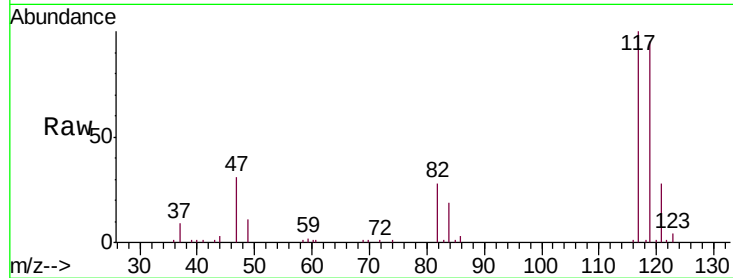
VSTD00520

Tgt Ion:117 Resp: 44899

Ion Ratio Lower Upper

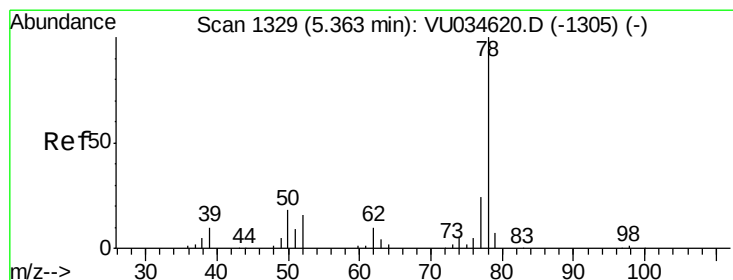
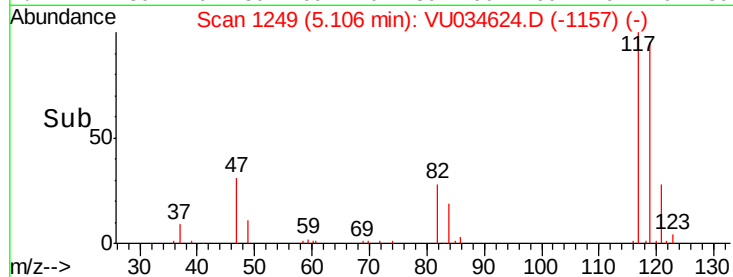
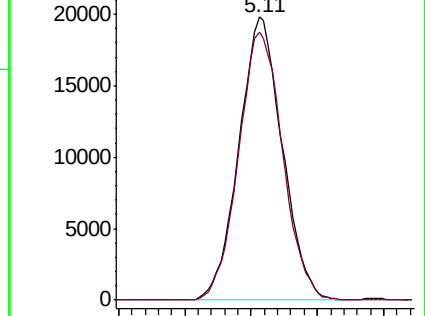
117 100

119 96.4 74.2 111.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.126 ug/L

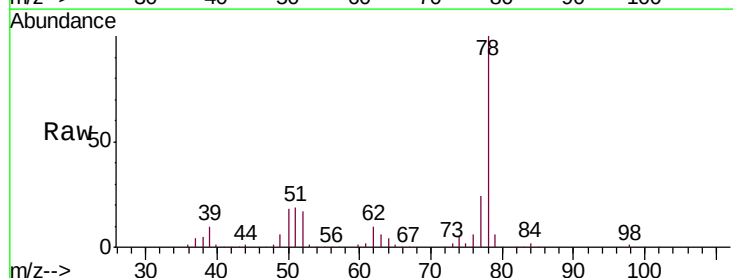
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

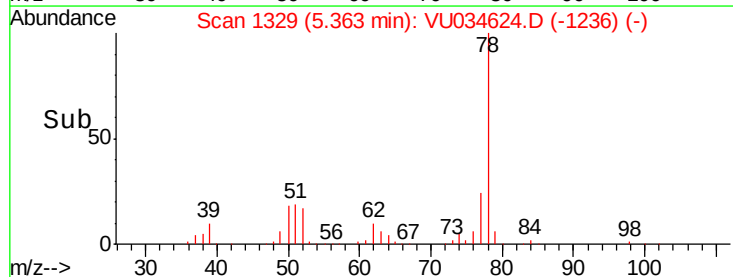
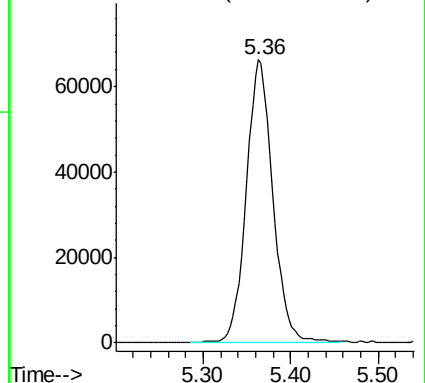
Lab File: VU034624.D

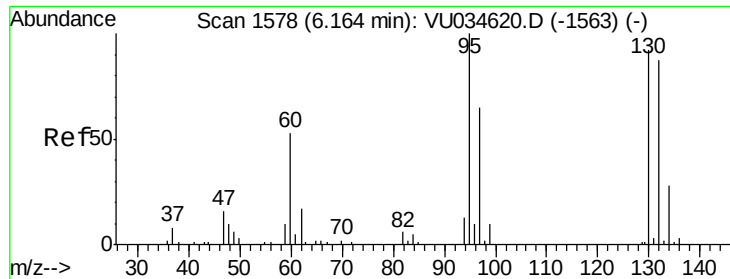
Acq: 17 Sep 2019 18:51

Tgt Ion: 78 Resp: 140312



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.295 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 95 Resp: 36133

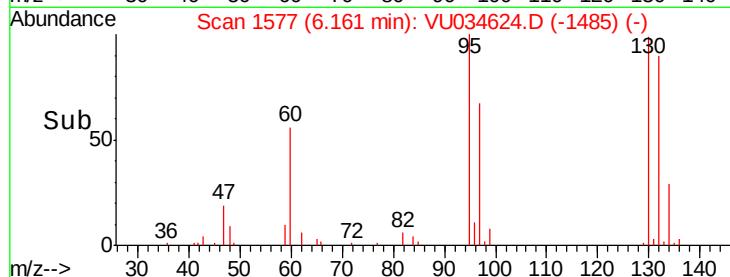
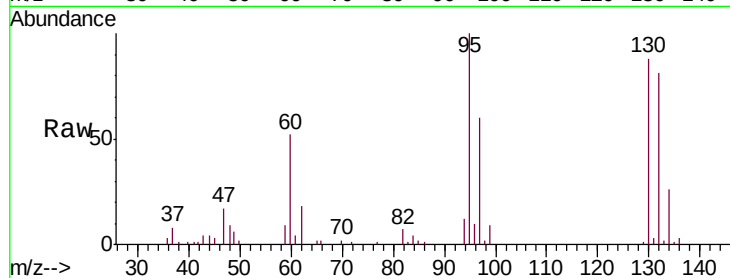
Ion Ratio Lower Upper

95 100

97 60.2 45.2 84.0

132 80.9 60.9 113.1

130 88.2 64.3 119.3

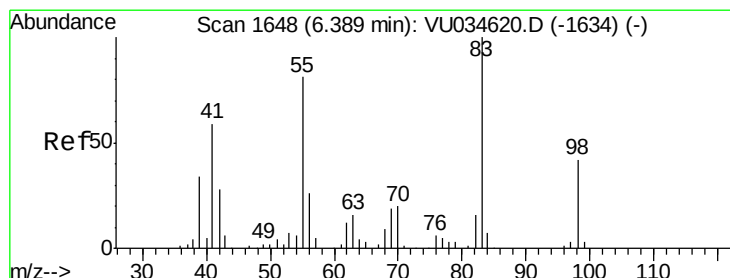
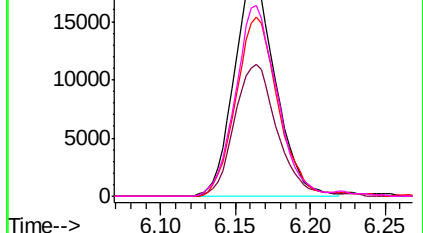


Abundance Ion 95.00 (94.70 to 95.70): VU034624.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU034624.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU034624.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU034624.D (-1485) (-)



#35

Methylcyclohexane

Concen: 5.170 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

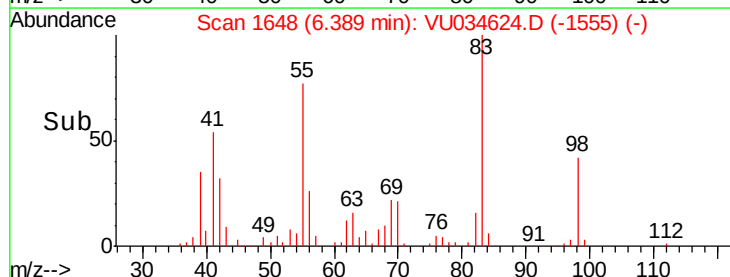
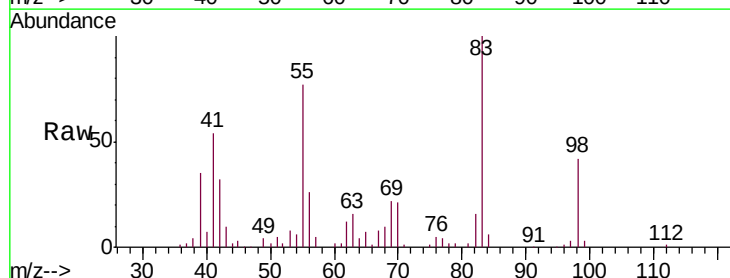
Tgt Ion: 83 Resp: 56982

Ion Ratio Lower Upper

83 100

55 77.3 66.8 100.2

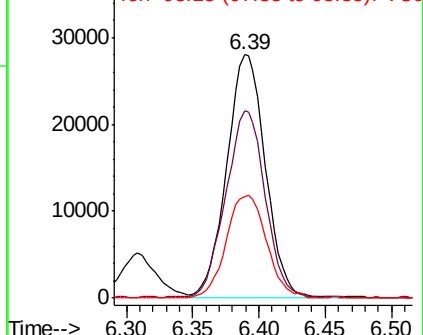
98 44.0 35.4 53.0

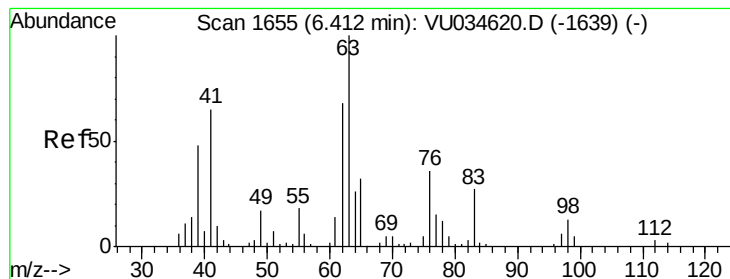


Abundance Ion 83.15 (82.85 to 83.85): VU034624.D (-1555) (-)

Ion 55.10 (54.80 to 55.80): VU034624.D (-1555) (-)

Ion 98.15 (97.85 to 98.85): VU034624.D (-1555) (-)





#37

1,2-Dichloropropane

Concen: 5.074 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

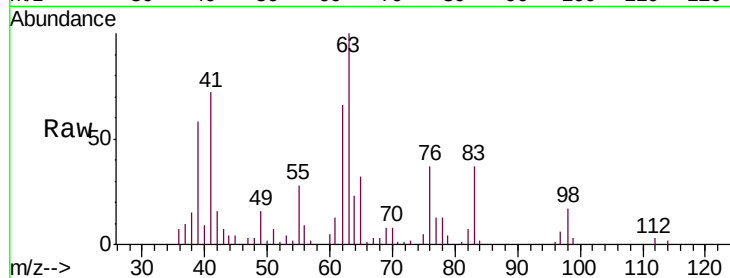
VSTD00520

Tgt Ion: 63 Resp: 42882

Ion Ratio Lower Upper

63 100

112 2.7 2.2 3.2



Abundance Ion 63.10 (62.80 to 63.80): VU034620.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VU034620.D (-1639) (-)

6.41

25000

20000

15000

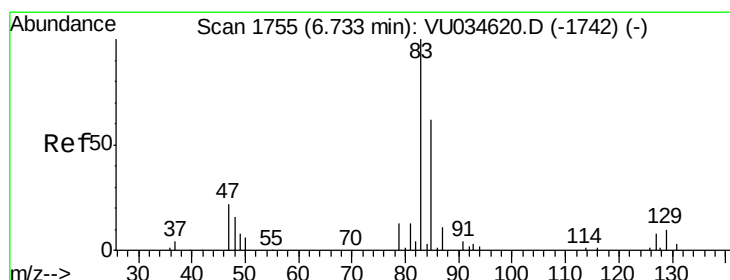
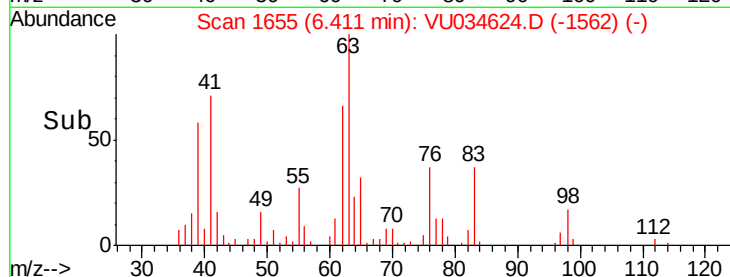
10000

5000

0

6.30 6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 4.993 ug/L

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

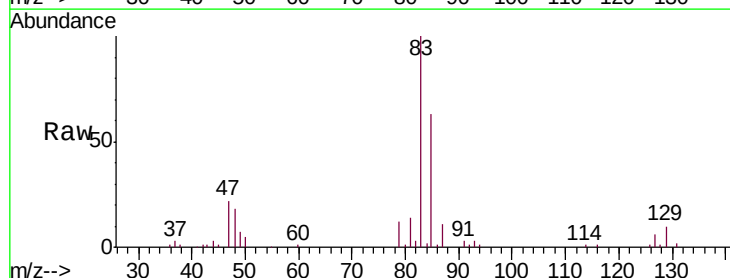
Tgt Ion: 83 Resp: 50492

Ion Ratio Lower Upper

83 100

85 62.5 43.4 80.6

127 6.4 6.2 9.2



Abundance Ion 82.95 (82.65 to 83.65): VU034620.D (-1742) (-)

Ion 85.00 (84.70 to 85.70): VU034620.D (-1742) (-)

Ion 126.90 (126.60 to 127.60): VU034620.D (-1742) (-)

6.73

30000

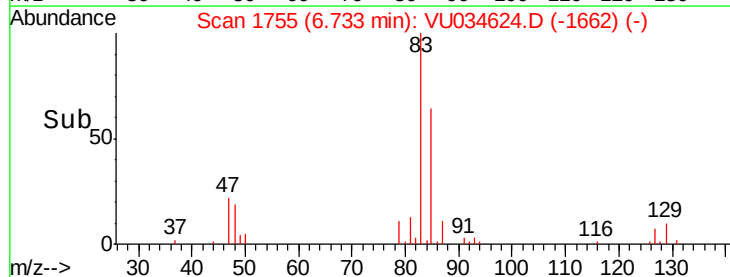
20000

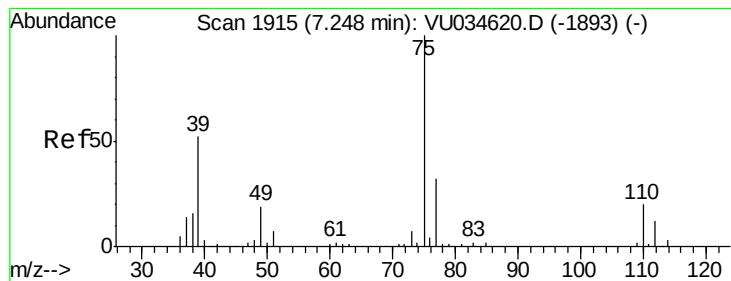
10000

0

6.65 6.70 6.75 6.80

Time-->



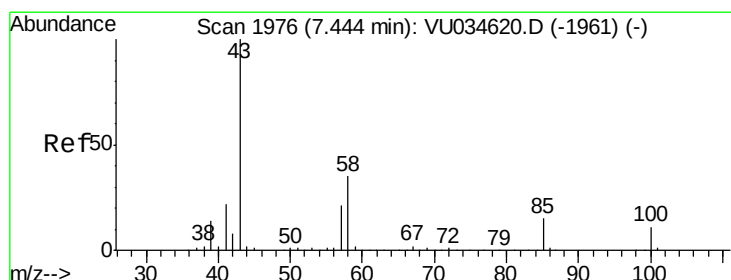
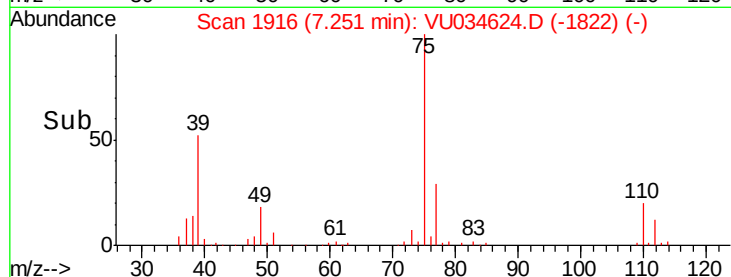
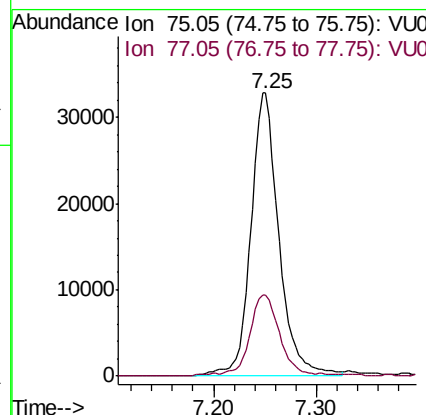
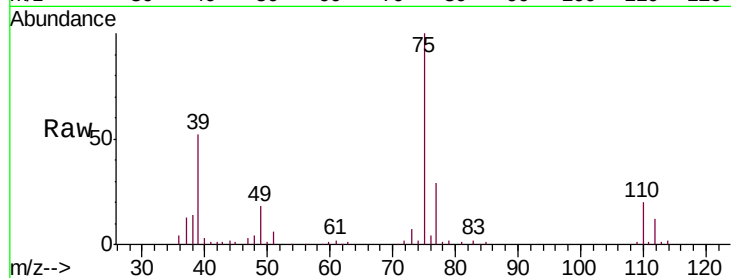


#39

cis-1,3-Dichloropropene
 Concen: 5.209 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

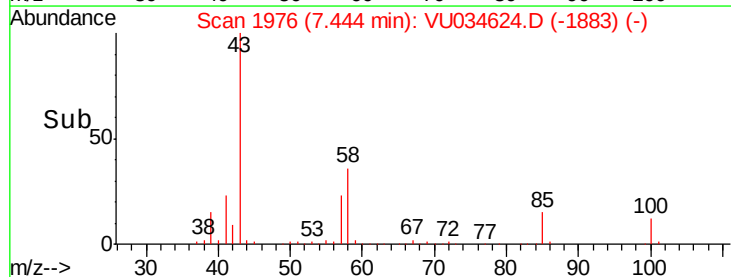
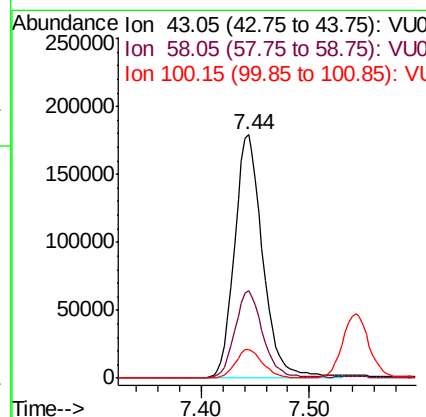
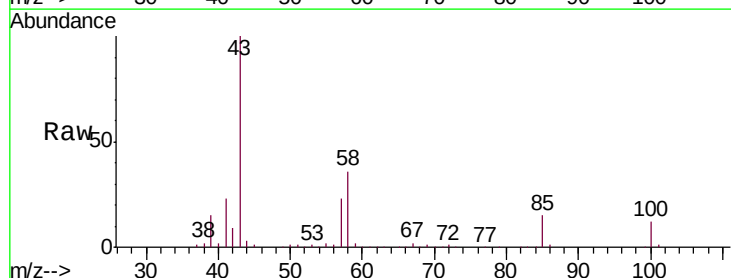
Tgt Ion: 75 Resp: 61982
 Ion Ratio Lower Upper
 75 100
 77 28.6 22.2 41.2

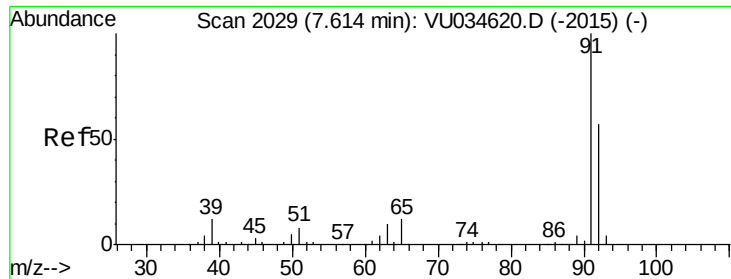


#40

4-Methyl-2-pentanone
 Concen: 51.362 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Tgt Ion: 43 Resp: 327173
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.6 42.8
 100 11.6 8.9 13.3





#42

Toluene

Concen: 5.120 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

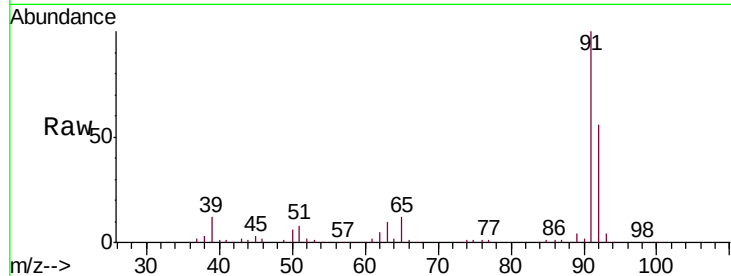
VSTD00520

Tgt Ion: 91 Resp: 151449

Ion Ratio Lower Upper

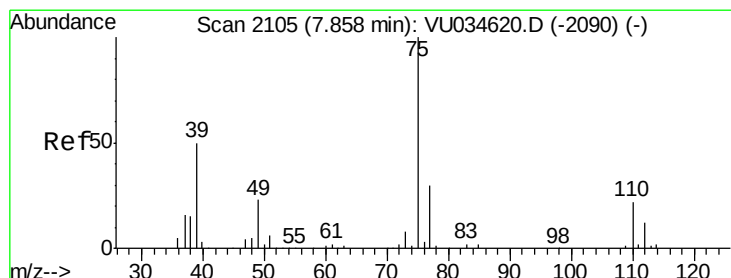
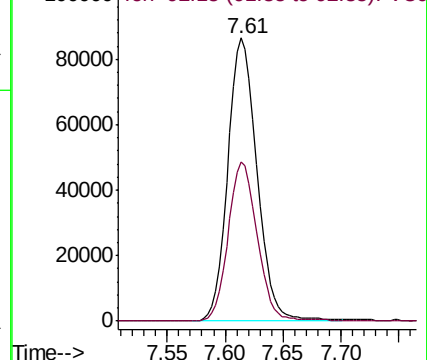
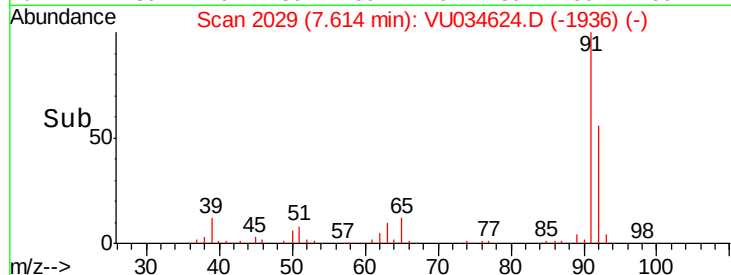
91 100

92 56.4 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034624.D (-1936) (-)

Ion 92.15 (91.85 to 92.85): VU034624.D (-1936) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.983 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034624.D

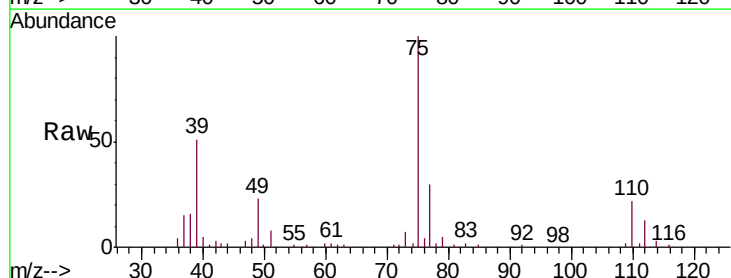
Acq: 17 Sep 2019 18:51

Tgt Ion: 75 Resp: 48100

Ion Ratio Lower Upper

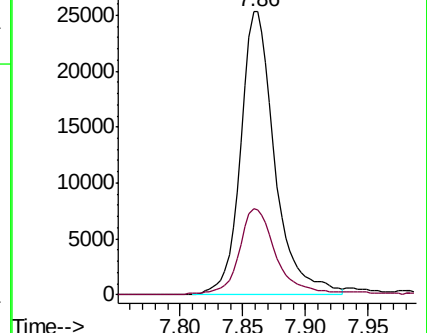
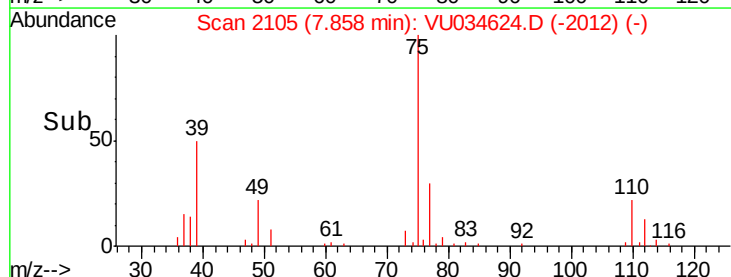
75 100

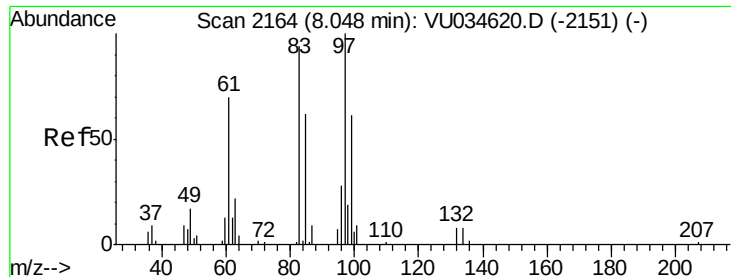
77 30.3 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU034624.D (-2102) (-)

Ion 77.05 (76.75 to 77.75): VU034624.D (-2102) (-)

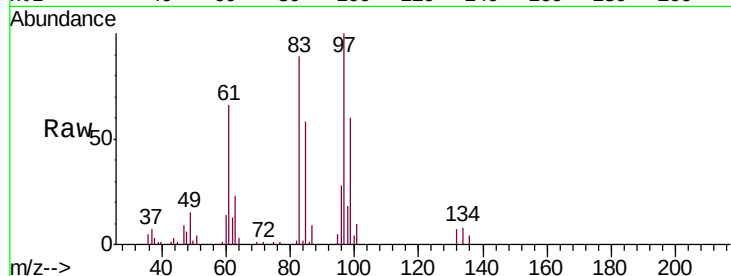




#45
 1,1,2-Trichloroethane
 Concen: 5.227 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:	97	Resp:	28097
Ion	Ratio	Lower	Upper
97	100		
99	60.2	42.5	78.9
83	88.7	65.9	122.5
85	58.1	43.5	80.9



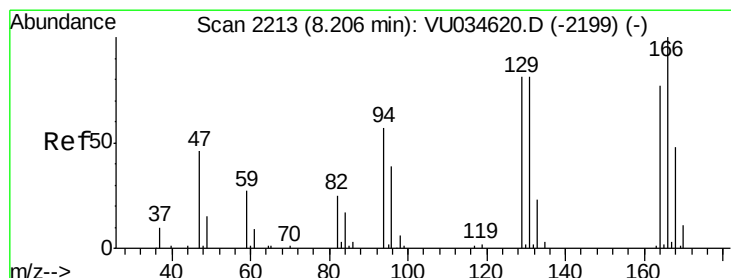
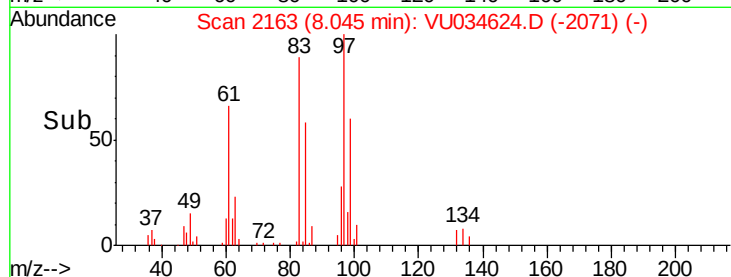
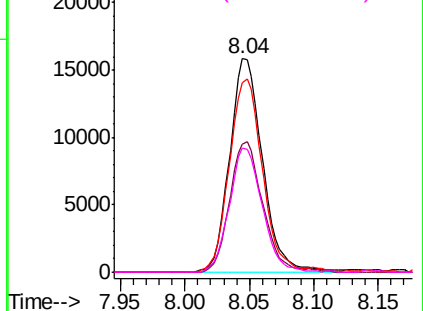
Abundance

Ion 96.95 (96.65 to 97.65): VU034624.D (-2151) (-)

Ion 99.05 (98.75 to 99.75): VU034624.D (-2151) (-)

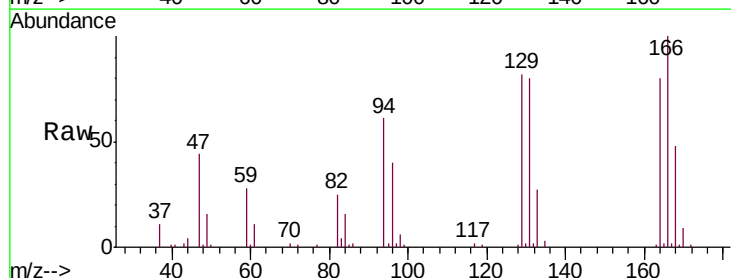
Ion 82.95 (82.65 to 83.65): VU034624.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU034624.D (-2151) (-)



#47
 Tetrachloroethene
 Concen: 5.314 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Tgt Ion:	164	Resp:	21983
Ion	Ratio	Lower	Upper
164	100		
129	103.6	73.6	136.8
131	100.4	73.4	136.4
166	125.7	90.6	168.3



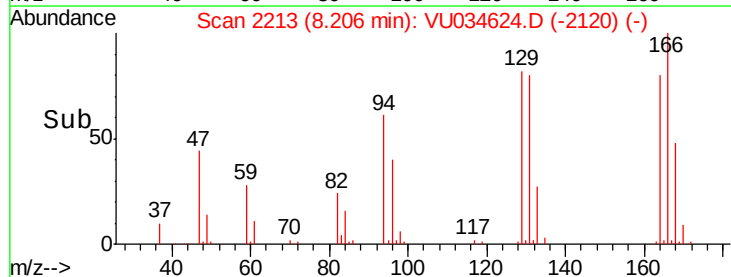
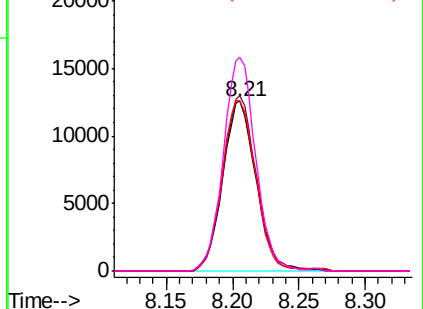
Abundance

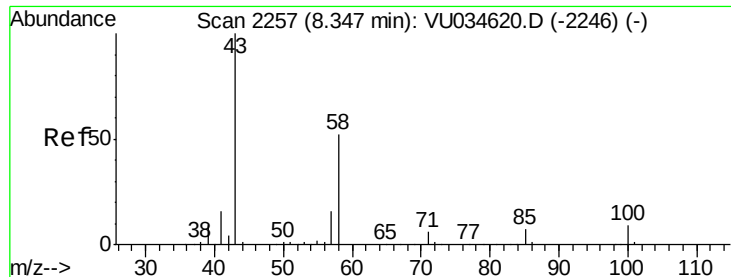
Ion 163.90 (163.60 to 164.60): VU034624.D (-2199) (-)

Ion 128.95 (128.65 to 129.65): VU034624.D (-2199) (-)

Ion 130.95 (130.65 to 131.65): VU034624.D (-2199) (-)

Ion 165.90 (165.60 to 166.60): VU034624.D (-2199) (-)

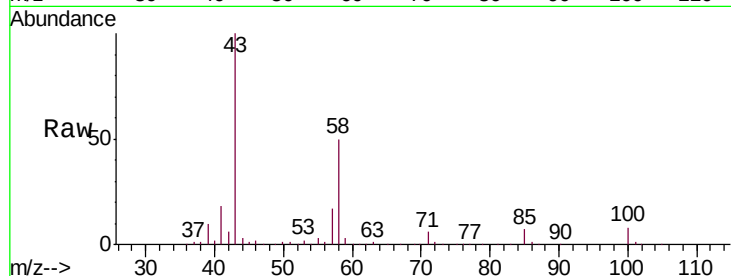




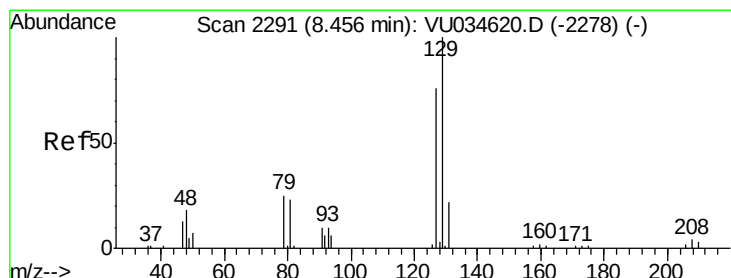
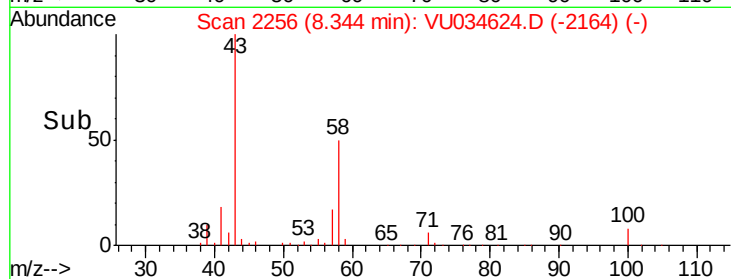
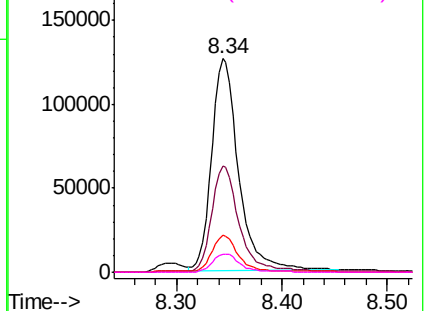
#48
2-Hexanone
Concen: 52.329 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion: 43 Resp: 224021
Ion Ratio Lower Upper
43 100
58 50.1 41.2 61.8
57 16.7 13.3 19.9
100 8.8 7.2 10.8

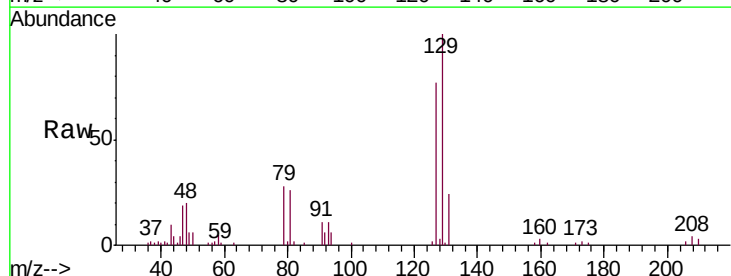


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

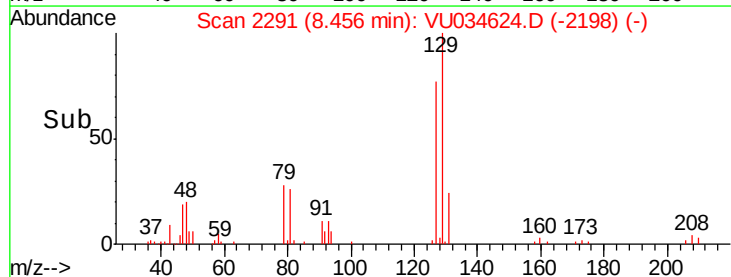
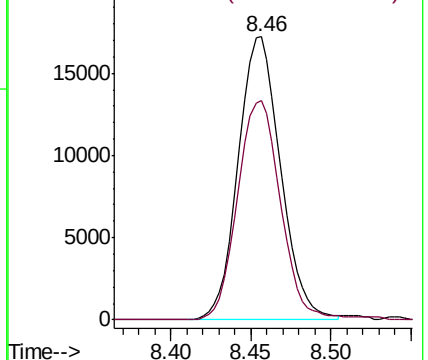


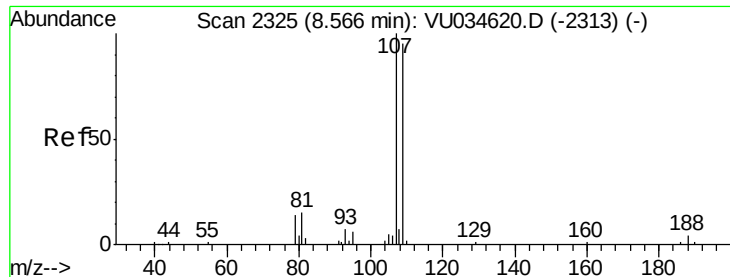
#49
Dibromochloromethane
Concen: 4.944 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Tgt Ion: 129 Resp: 31172
Ion Ratio Lower Upper
129 100
127 77.4 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

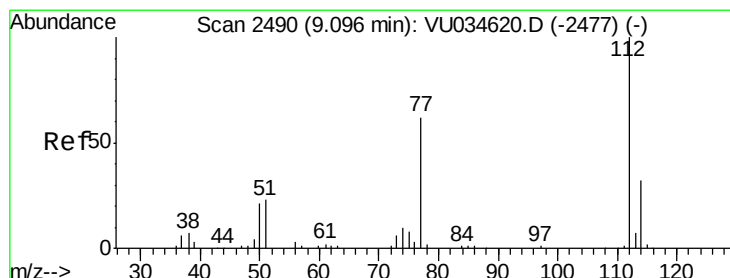
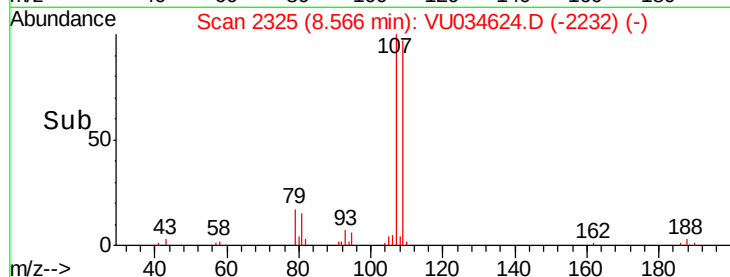
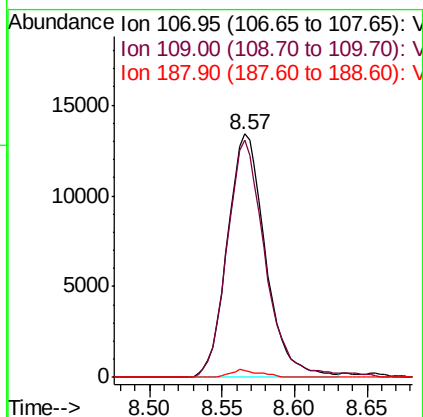
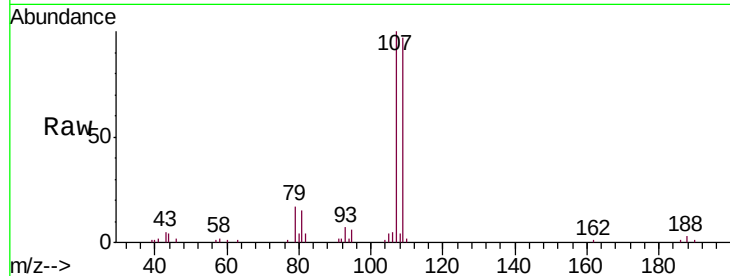




#50
1,2-Dibromoethane
Concen: 5.000 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

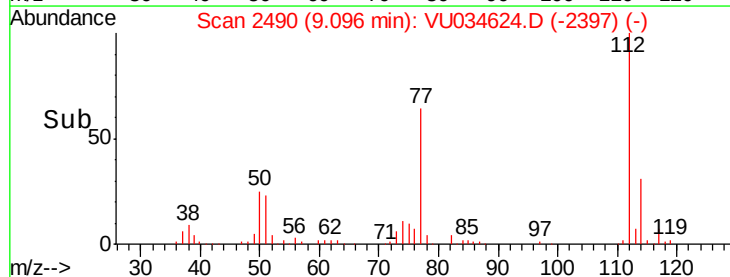
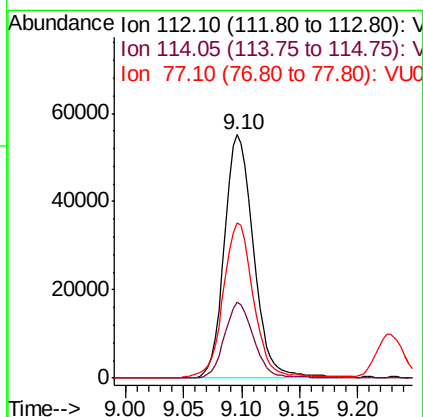
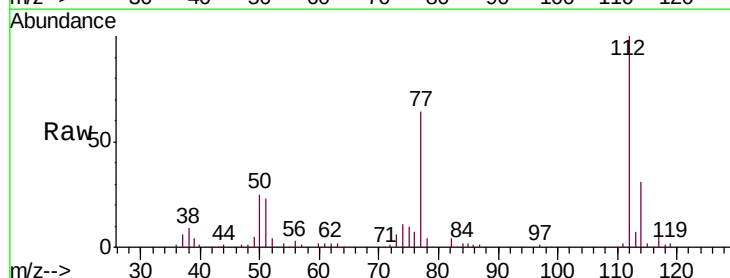
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

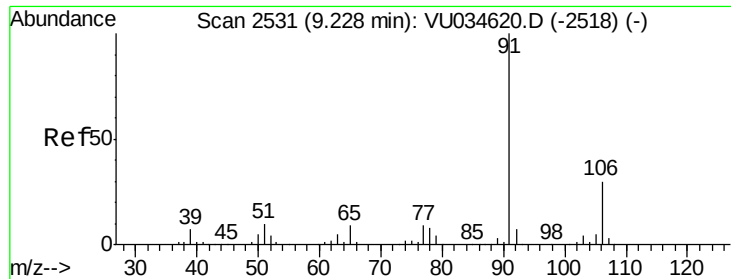
Tgt Ion:107 Resp: 24506
Ion Ratio Lower Upper
107 100
109 97.2 66.3 123.1
188 2.9 2.9 4.3#



#51
Chlorobenzene
Concen: 5.190 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Tgt Ion:112 Resp: 96237
Ion Ratio Lower Upper
112 100
114 30.9 22.5 41.7
77 63.8 50.3 75.5





#52

Ethylbenzene

Concen: 5.115 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

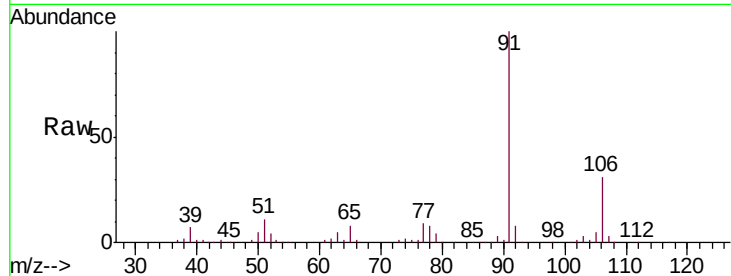
VSTD00520

Tgt Ion: 91 Resp: 174930

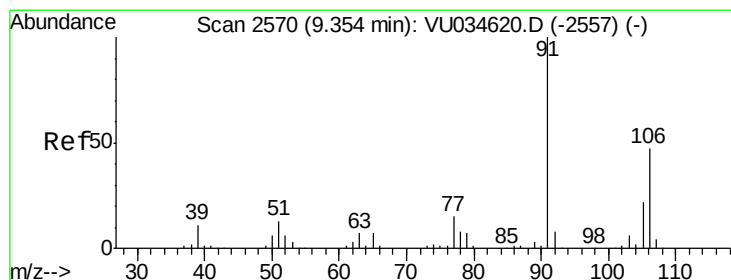
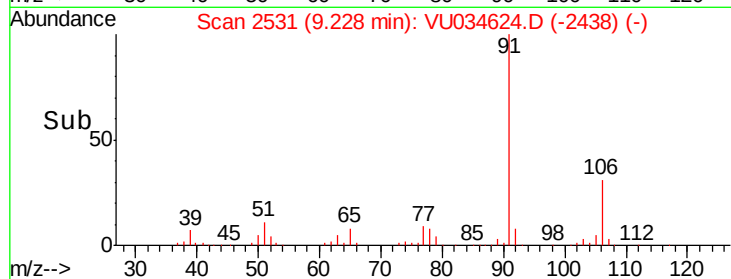
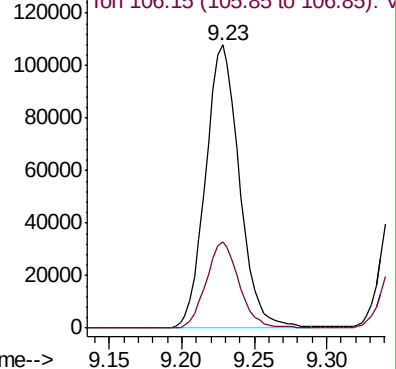
Ion Ratio Lower Upper

91 100

106 30.5 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU034624.D (-2518) (-)



#53

m,p-Xylene

Concen: 5.088 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034624.D

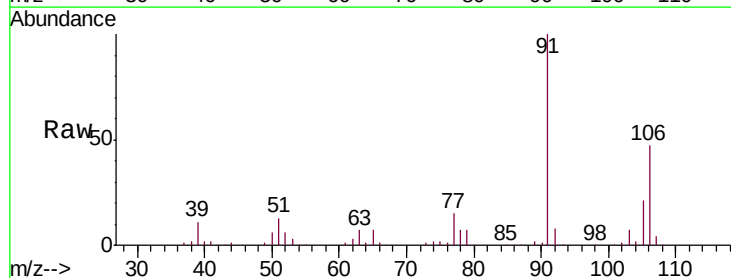
Acq: 17 Sep 2019 18:51

Tgt Ion: 106 Resp: 61710

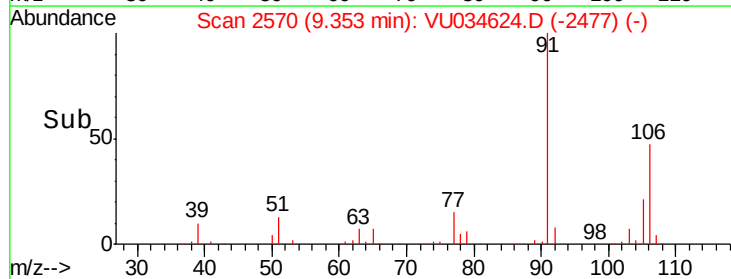
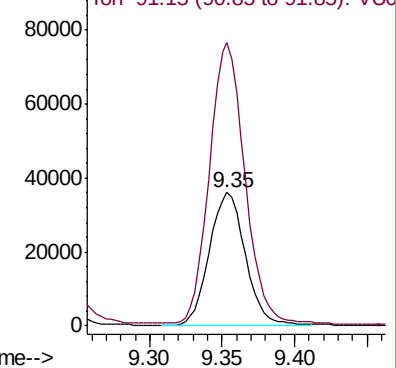
Ion Ratio Lower Upper

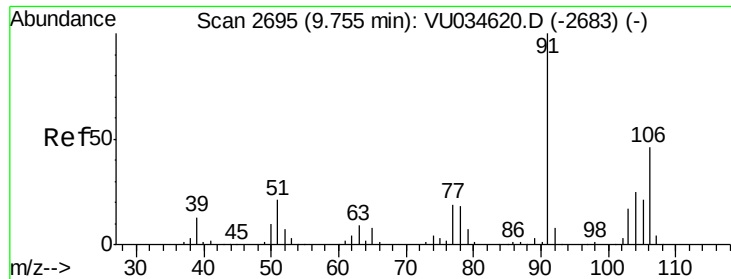
106 100

91 212.5 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU034624.D (-2557) (-)

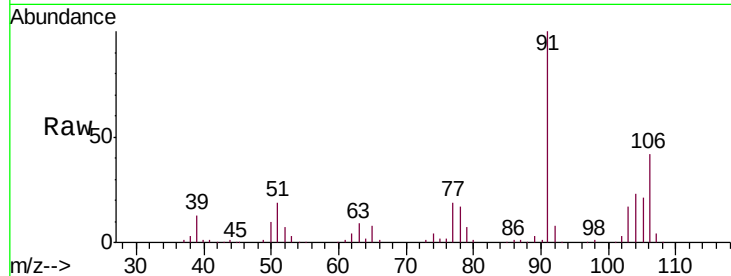




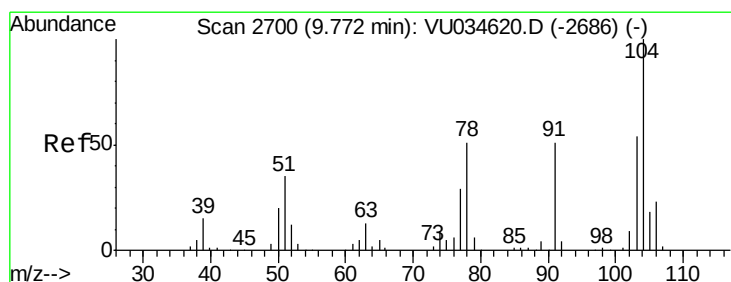
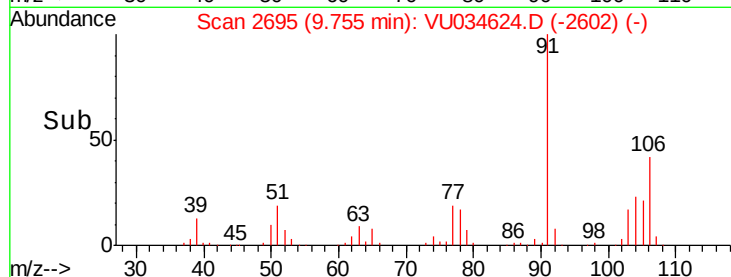
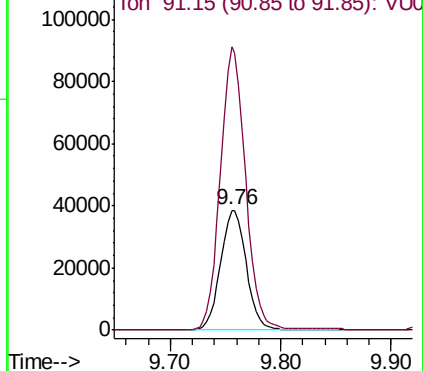
#54
o-Xylene
Concen: 5.161 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:106 Resp: 62882
Ion Ratio Lower Upper
106 100
91 235.5 151.9 282.1

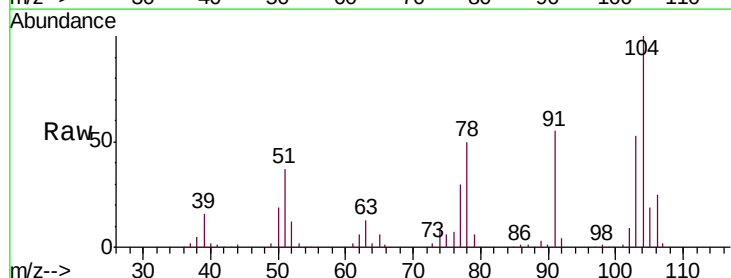


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

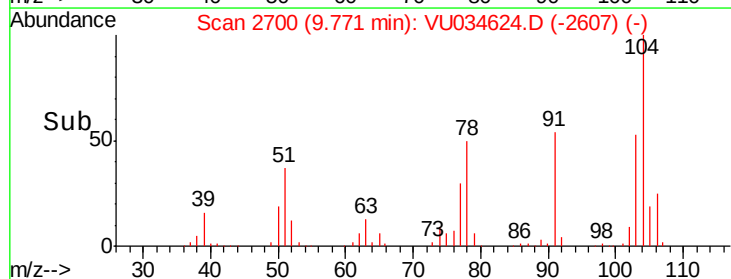
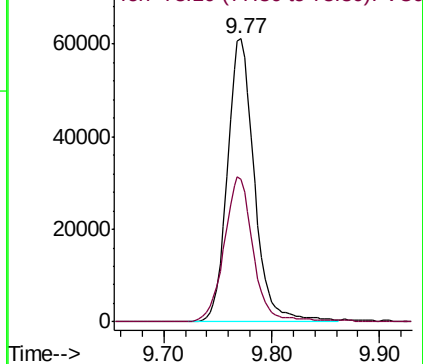


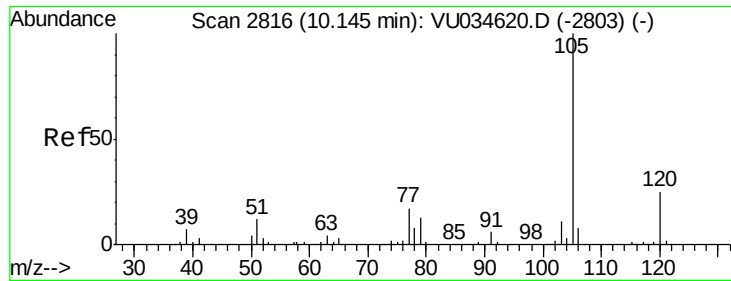
#55
Styrene
Concen: 5.287 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034624.D
Acq: 17 Sep 2019 18:51

Tgt Ion:104 Resp: 106988
Ion Ratio Lower Upper
104 100
78 50.2 35.4 65.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.134 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

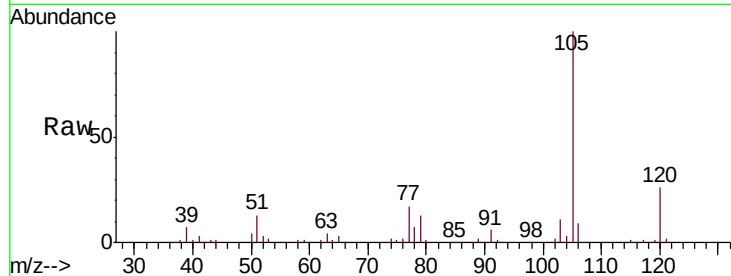
Tgt Ion: 105 Resp: 173778

Ion Ratio Lower Upper

105 100

120 25.3 19.8 29.6

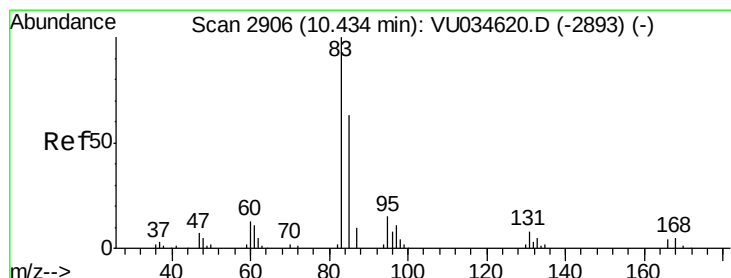
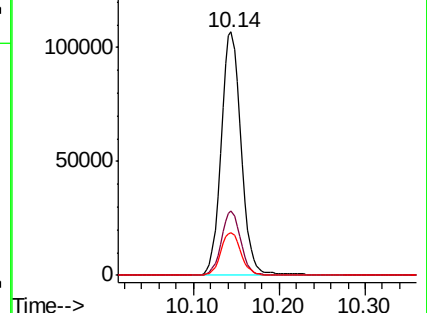
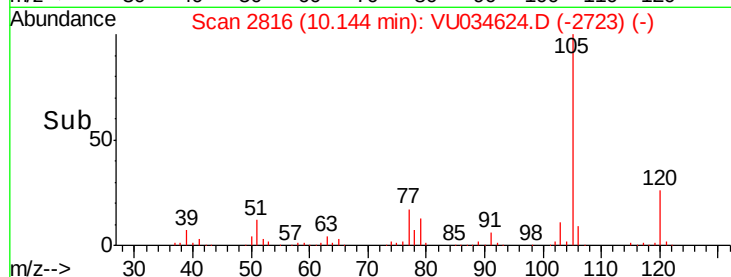
77 17.5 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.237 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

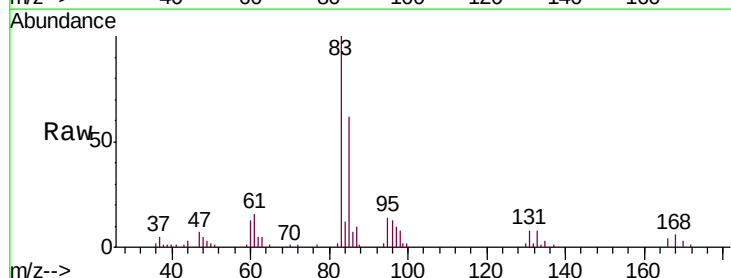
Tgt Ion: 83 Resp: 41561

Ion Ratio Lower Upper

83 100

85 61.7 44.4 82.4

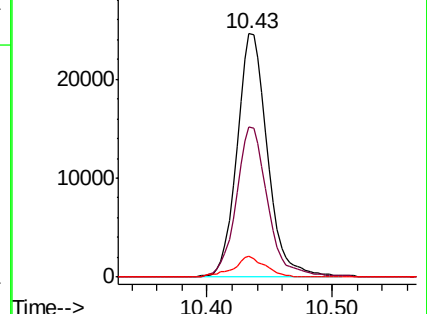
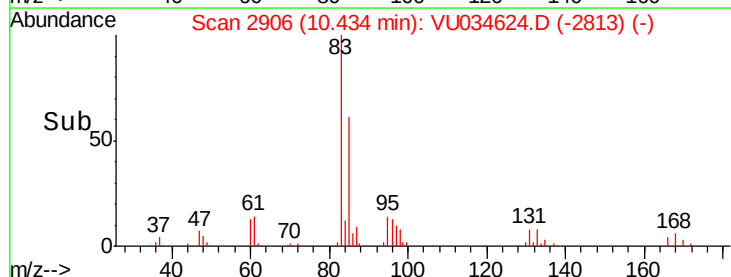
131 8.4 6.7 10.1

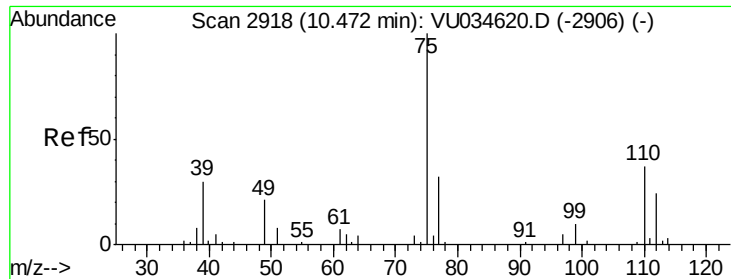


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.290 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

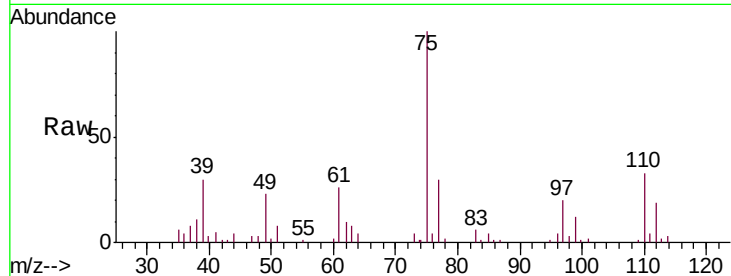
VSTD00520

Tgt Ion: 75 Resp: 29209

Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0

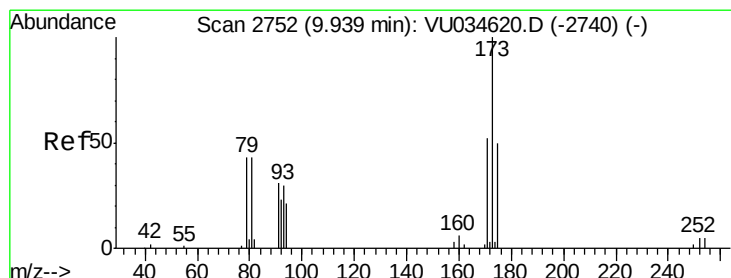
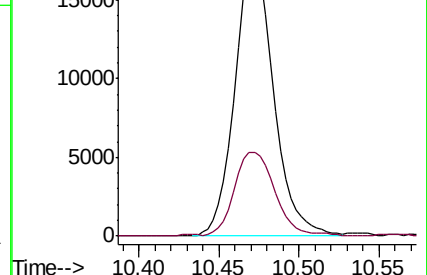
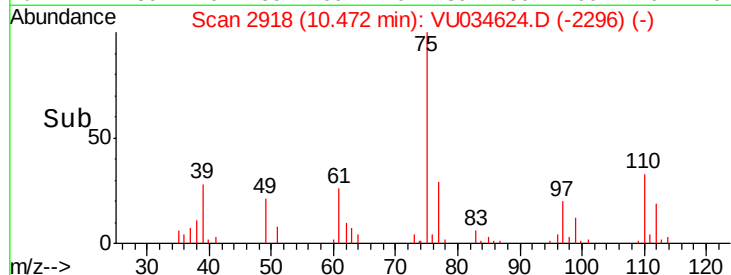


Abundance Ion 75.00 (74.70 to 75.70): VU034620.D (-2906) (-)

Ion 77.00 (76.70 to 77.70): VU034620.D (-2906) (-)

10.47

Time-->



#61

Bromoform

Concen: 5.190 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

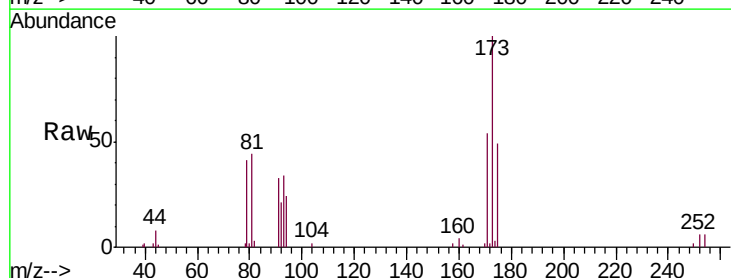
Tgt Ion: 173 Resp: 15441

Ion Ratio Lower Upper

173 100

175 47.9 40.0 60.0

254 4.9 3.5 5.3



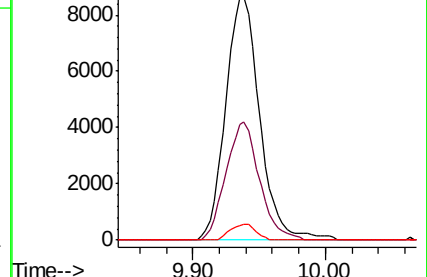
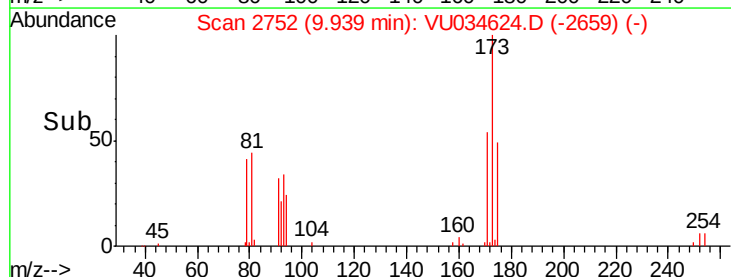
Abundance Ion 172.90 (172.60 to 173.60): VU034620.D (-2740) (-)

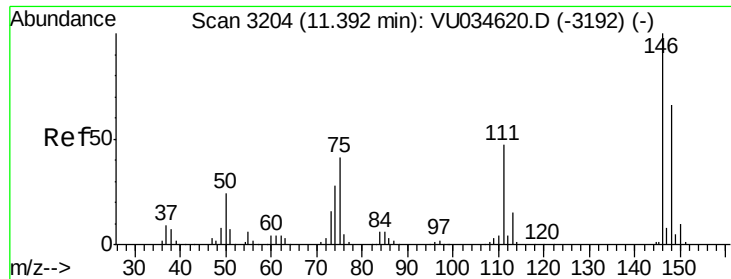
Ion 174.90 (174.60 to 175.60): VU034620.D (-2740) (-)

Ion 253.75 (253.45 to 254.45): VU034620.D (-2740) (-)

9.94

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.373 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

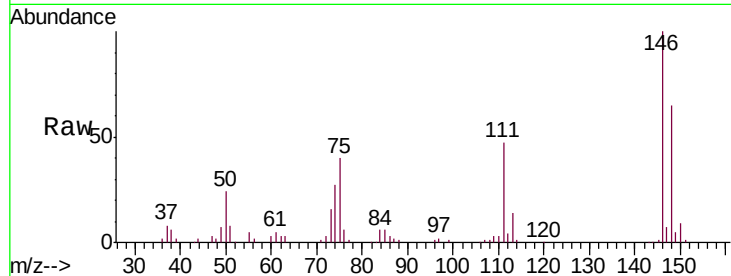
Tgt Ion:146 Resp: 71051

Ion Ratio Lower Upper

146 100

111 47.1 32.8 61.0

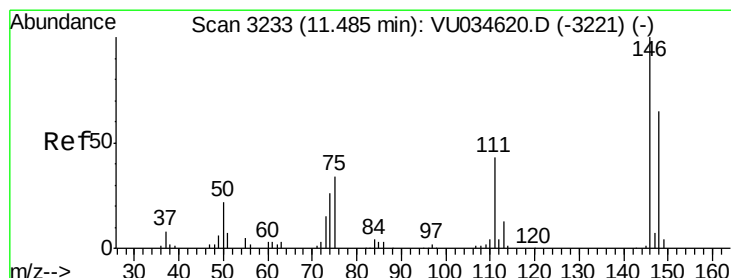
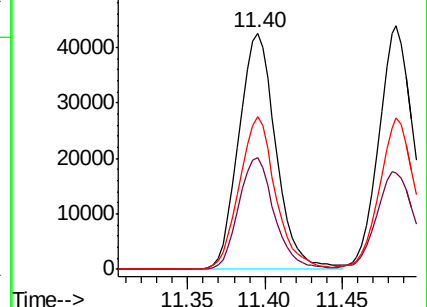
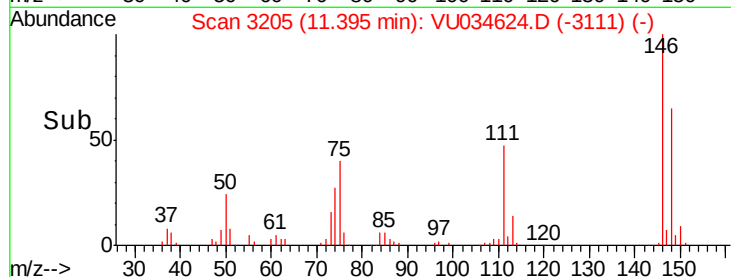
148 64.6 45.9 85.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.303 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

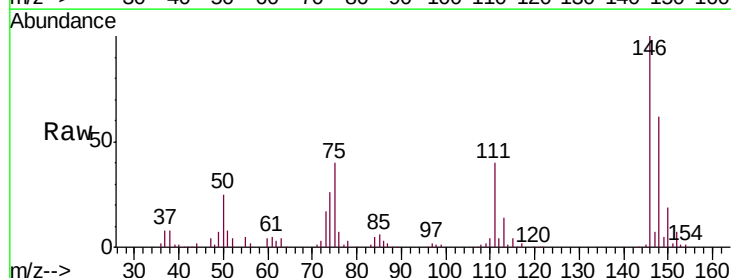
Tgt Ion:146 Resp: 70000

Ion Ratio Lower Upper

146 100

111 39.8 30.2 56.2

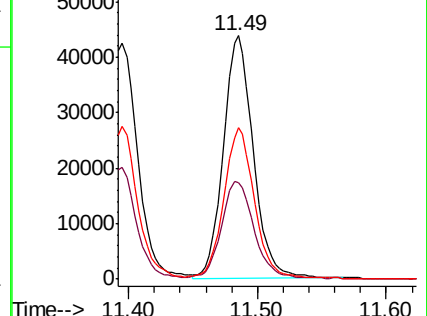
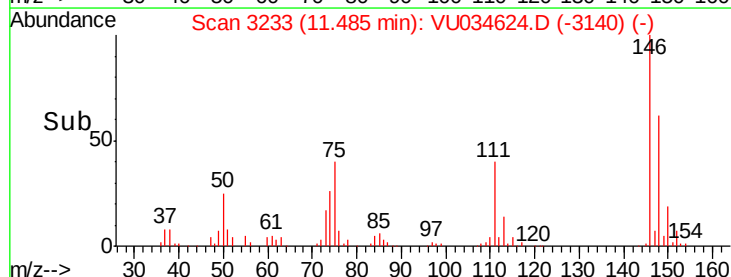
148 62.3 45.4 84.4

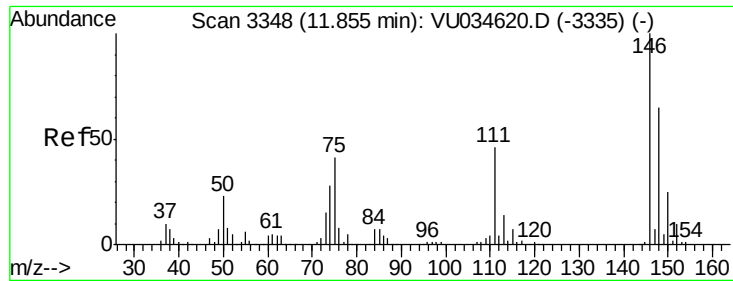


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

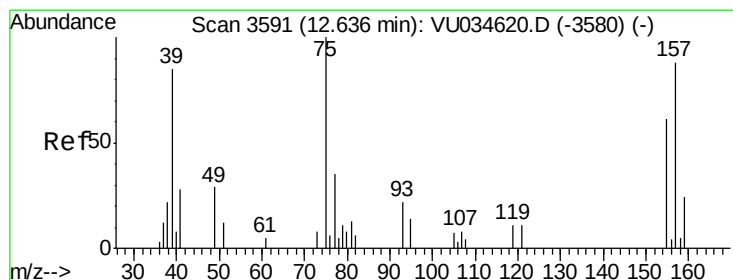
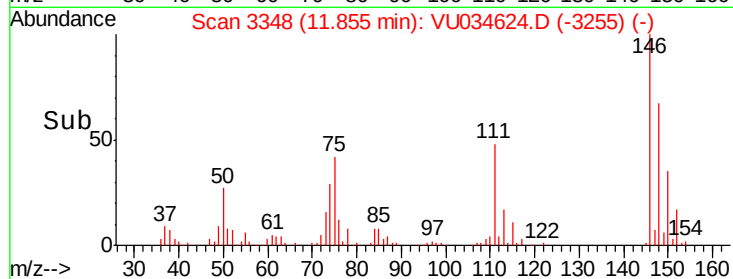
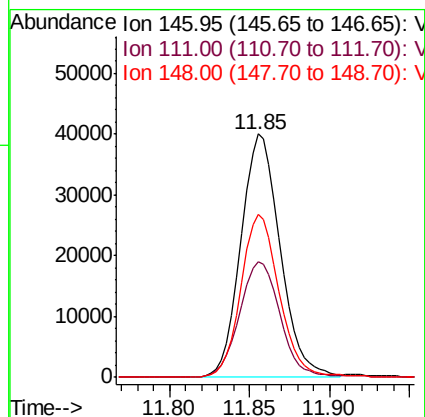
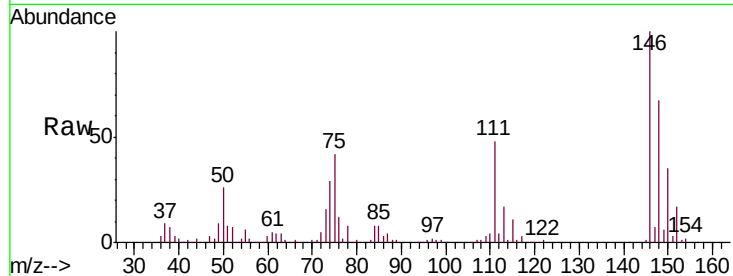




#65
 1,2-Dichlorobenzene
 Concen: 5.189 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

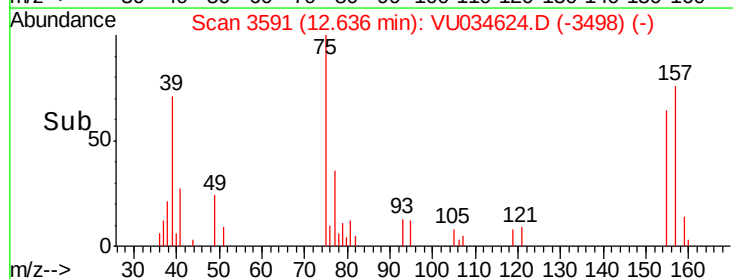
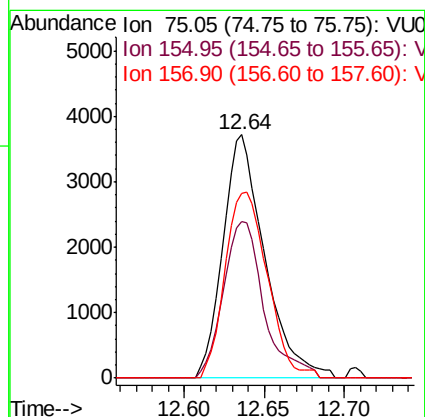
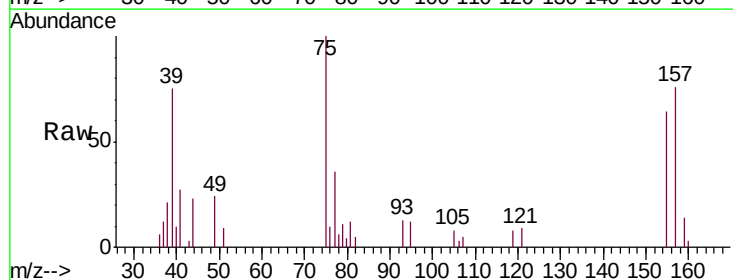
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

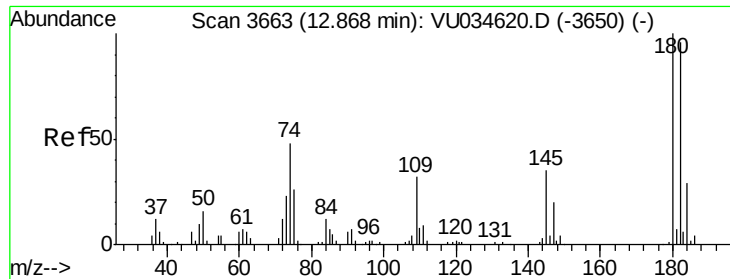
Tgt Ion: 146 Resp: 67153
 Ion Ratio Lower Upper
 146 100
 111 47.7 37.1 55.7
 148 66.9 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.671 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Tgt Ion: 75 Resp: 6647
 Ion Ratio Lower Upper
 75 100
 155 64.4 49.1 73.7
 157 75.8 70.8 106.2

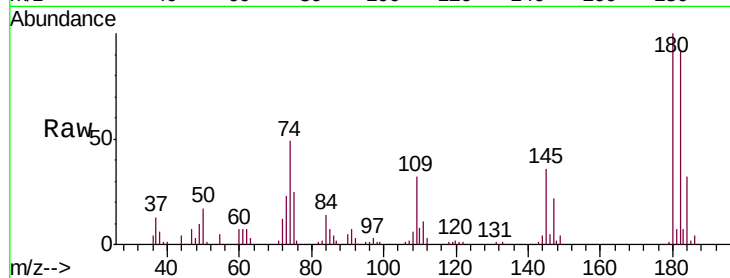




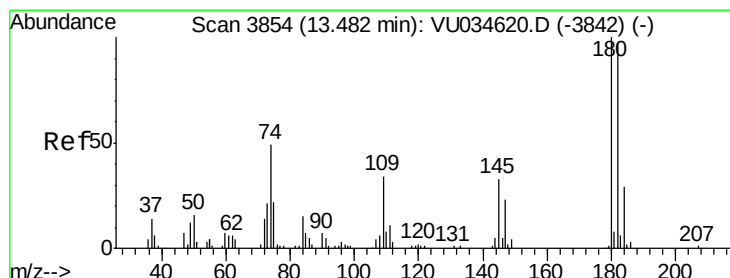
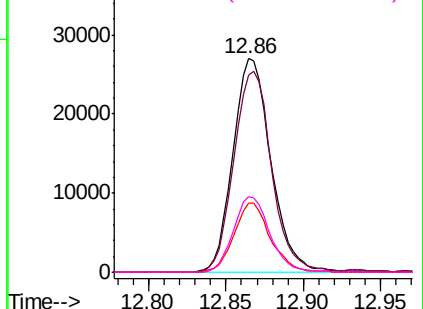
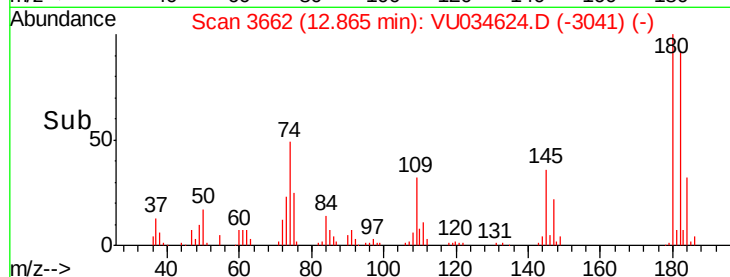
#67
 1,3,5-Trichlorobenzene
 Concen: 5.323 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:180 Resp: 46003
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.5 111.7
 184 31.1 23.4 35.2
 145 34.0 27.0 40.4

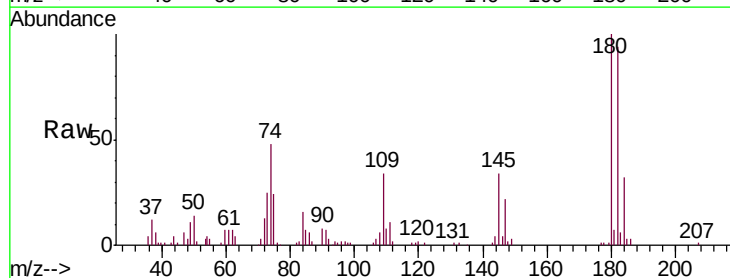


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

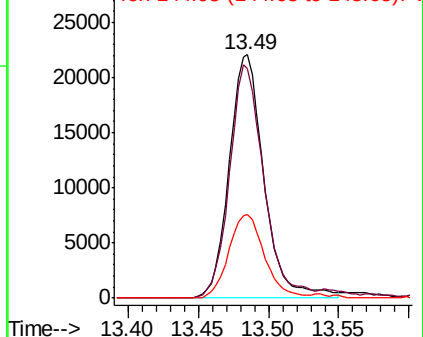
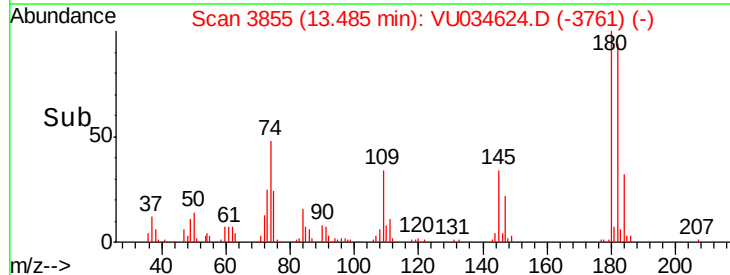


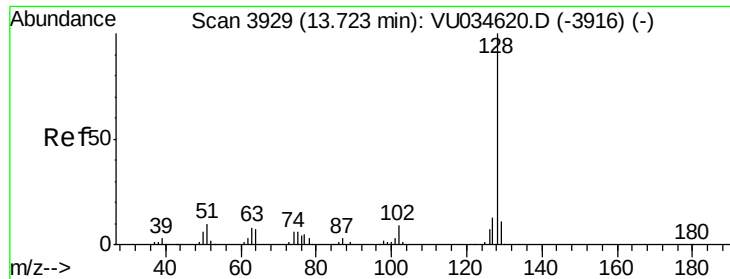
#68
 1,2,4-trichlorobenzene
 Concen: 5.529 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034624.D
 Acq: 17 Sep 2019 18:51

Tgt Ion:180 Resp: 38103
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.9 115.3
 145 34.9 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.338 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

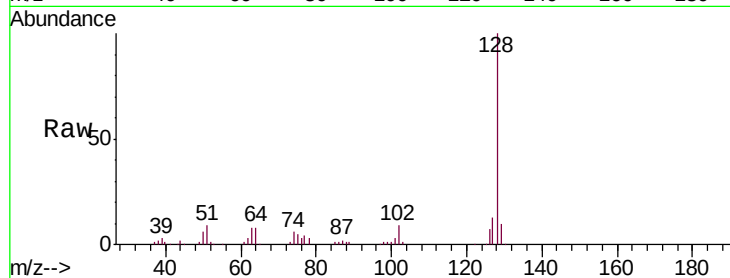
Tgt Ion:128 Resp: 89587

Ion Ratio Lower Upper

128 100

129 10.0 9.2 13.8

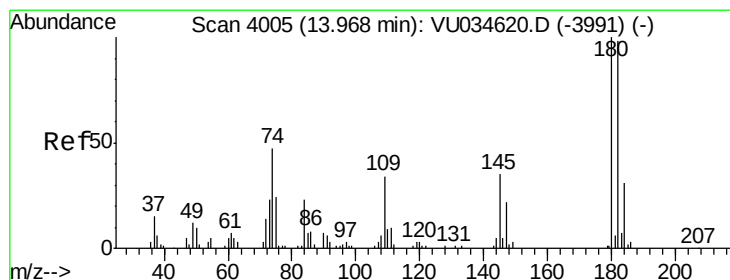
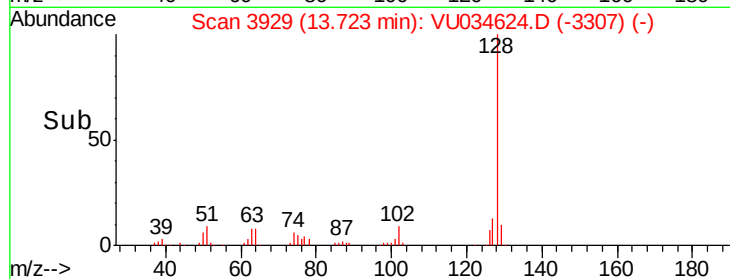
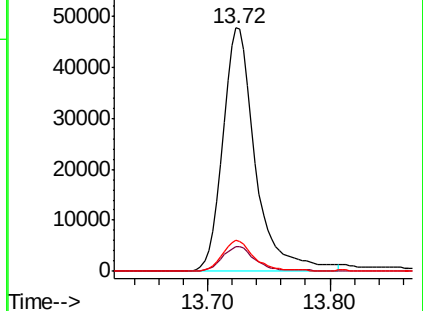
127 11.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.668 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. -0.00 min

Lab File: VU034624.D

Acq: 17 Sep 2019 18:51

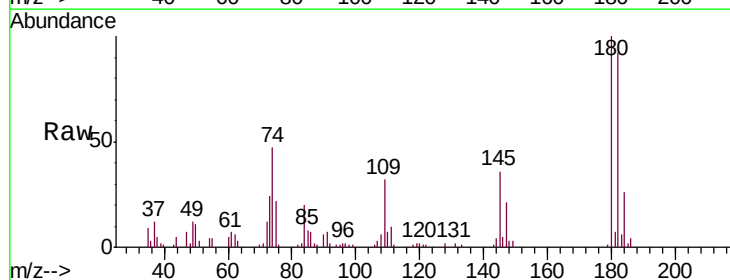
Tgt Ion:180 Resp: 36591

Ion Ratio Lower Upper

180 100

182 94.0 76.6 114.8

145 35.4 28.9 43.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

