

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030949.D
 Acq On : 09 Apr 2019 11:32
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Apr 10 01:50:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 10 01:14:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	249839	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	251470	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112010	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	83128	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.68	69	75803	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.27	63	191199	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.19	46	260101	52.87	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.74%
24) Chloroform-d	4.64	84	153626	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	87869	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.33	84	302439	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.33	67	104019	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.56	98	269612	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.85	79	37622	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.31	63	183557	51.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84997	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	91401	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	143524	5.157	ug/L 100
3) Chloromethane	1.32	50	155299	4.760	ug/L 99
5) Vinyl chloride	1.40	62	152208	5.092	ug/L 96
6) Bromomethane	1.62	94	78460	5.365	ug/L 97
8) Chloroethane	1.69	64	91060	5.355	ug/L 98
9) Trichlorofluoromethane	1.88	101	193141	5.700	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	100744	5.346	ug/L 98
12) 1,1-Dichloroethene	2.28	96	94862	5.204	ug/L 91
13) Acetone	2.32	43	227950	59.932	ug/L 99
14) Carbon disulfide	2.47	76	332048	5.194	ug/L 100
15) Methyl Acetate	2.61	43	58626	5.967	ug/L 96
16) Methylene chloride	2.69	84	105636	4.971	ug/L 93
17) Methyl tert-butyl Ether	3.00	73	256265	5.251	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	95647	4.970	ug/L 98
19) 1,1-Dichloroethane	3.44	63	193321	4.749	ug/L 98
21) 2-Butanone	4.27	43	319462	52.997	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	102633	5.001	ug/L 99

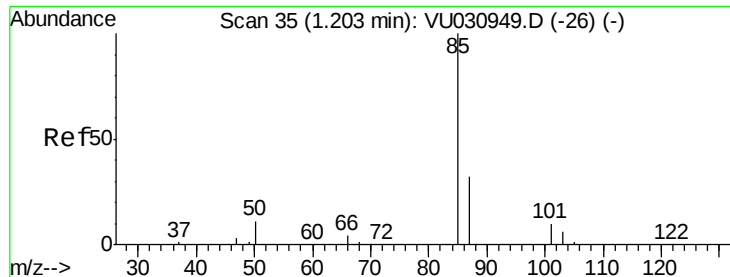
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030949.D
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Quant Time: Apr 10 01:50:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 10 01:14:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	45345	5.531	ug/L	94
25) Chloroform	4.67	83	206198	5.556	ug/L	98
27) 1,2-Dichloroethane	5.40	62	125594	5.215	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	159279	4.972	ug/L	98
30) Cyclohexane	4.98	56	166351	4.301	ug/L	99
31) Carbon tetrachloride	5.13	117	140478	5.223	ug/L	96
33) Benzene	5.38	78	411303	4.835	ug/L	100
34) Trichloroethene	6.18	95	100283	4.709	ug/L	97
35) Methylcyclohexane	6.41	83	149215	4.391	ug/L	98
37) 1,2-Dichloropropane	6.43	63	111156	4.748	ug/L	100
38) Bromodichloromethane	6.75	83	136928	5.009	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	132379	4.228	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	744886	51.006	ug/L	99
42) Toluene	7.63	91	427182	5.007	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	119233	4.920	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	71923	5.152	ug/L	96
47) Tetrachloroethene	8.22	164	78290	5.241	ug/L	97
48) 2-Hexanone	8.36	43	545333	53.893	ug/L	99
49) Dibromochloromethane	8.47	129	86329	5.172	ug/L	89
50) 1,2-Dibromoethane	8.58	107	70008	5.380	ug/L	99
51) Chlorobenzene	9.12	112	253523	4.819	ug/L	98
52) Ethylbenzene	9.25	91	429136	4.716	ug/L	100
53) m,p-Xylene	9.37	106	152057	4.784	ug/L	93
54) o-Xylene	9.78	106	149204	4.787	ug/L	93
55) Styrene	9.79	104	261930	4.981	ug/L	99
56) Isopropylbenzene	10.16	105	402672	4.836	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	100905	5.437	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	67378	5.151	ug/L	100
61) Bromoform	9.95	173	50658	5.972	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	173366	4.905	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	175912	4.748	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	173540	5.046	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	13922	5.232	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	134638	5.106	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	100062	4.913	ug/L	97
69) Naphthalene	13.74	128	154226	4.715	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	101485	5.347	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.157 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

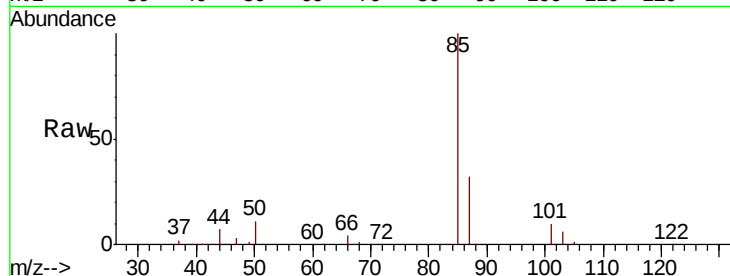
VSTD00514

Tot Ion: 85 Resp: 143524

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU030949.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU030949.D (-26) (-)

1.20

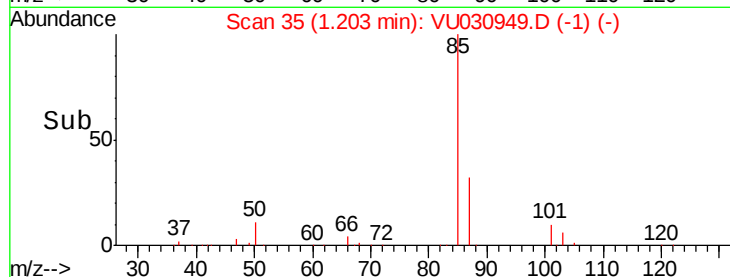
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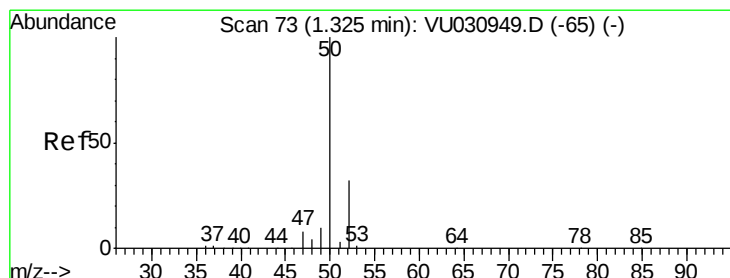
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Time-->



Time-->



#3

Chloromethane

Concen: 4.760 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU030949.D

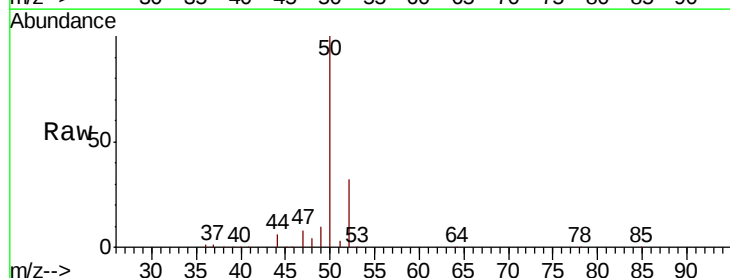
Acq: 09 Apr 2019 11:32

Tgt Ion: 50 Resp: 155299

Ion Ratio Lower Upper

50 100

52 32.0 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU030949.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU030949.D (-65) (-)

1.32

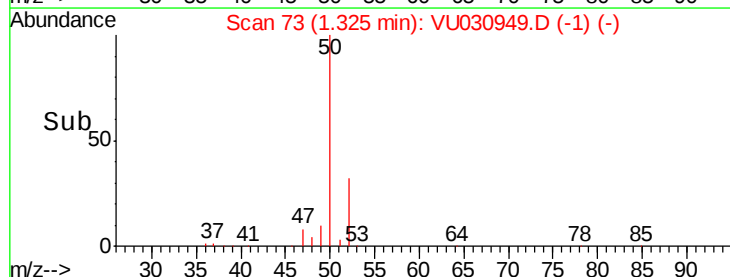
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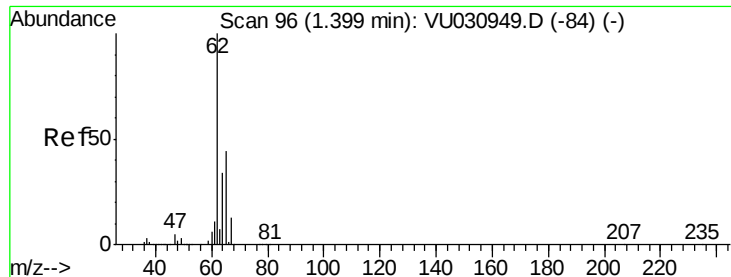
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Time-->



Time-->



#5

Vinyl chloride

Concen: 5.092 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

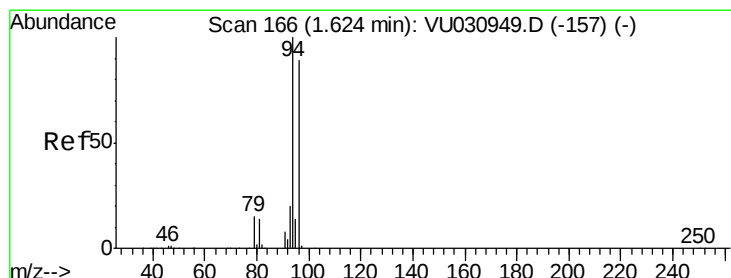
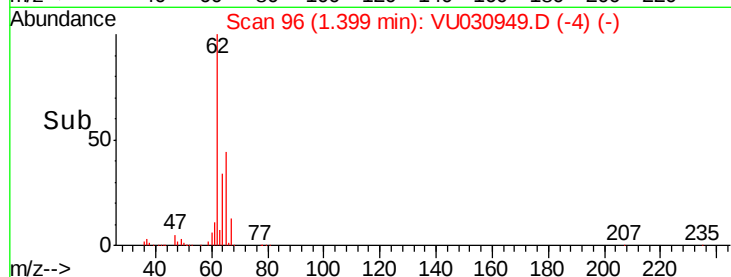
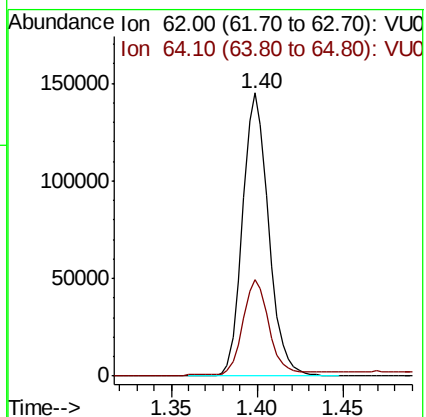
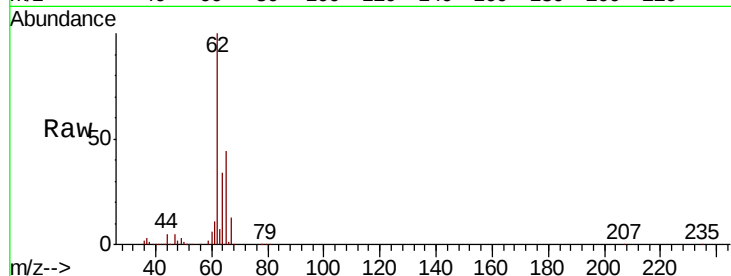
VSTD00514

Tot Ion: 62 Resp: 152208

Ion Ratio Lower Upper

62 100

64 34.2 22.5 41.9



#6

Bromomethane

Concen: 5.365 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.01 min

Lab File: VU030949.D

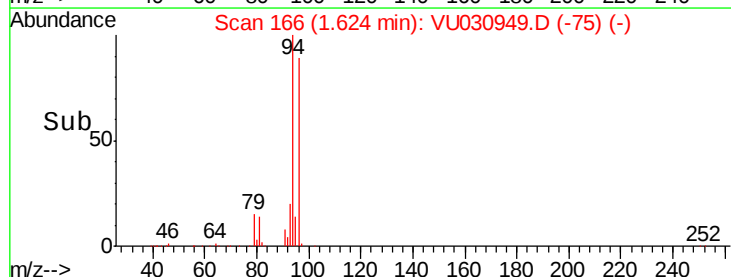
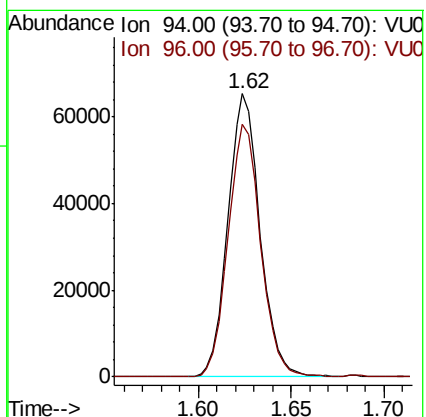
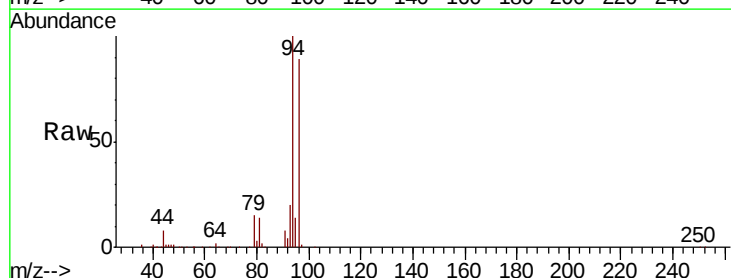
Acq: 09 Apr 2019 11:32

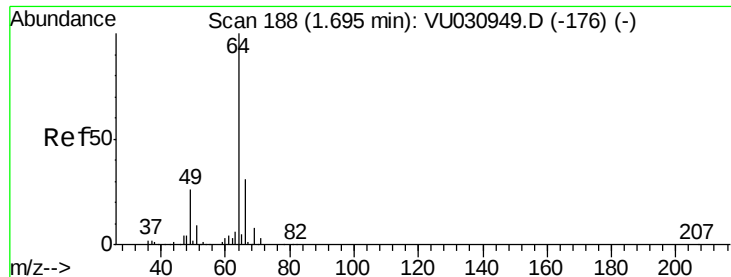
Tgt Ion: 94 Resp: 78460

Ion Ratio Lower Upper

94 100

96 89.3 64.6 120.0

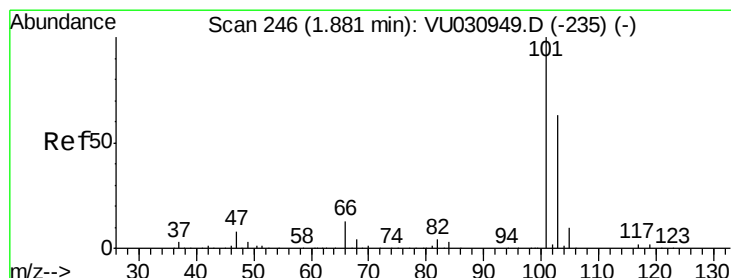
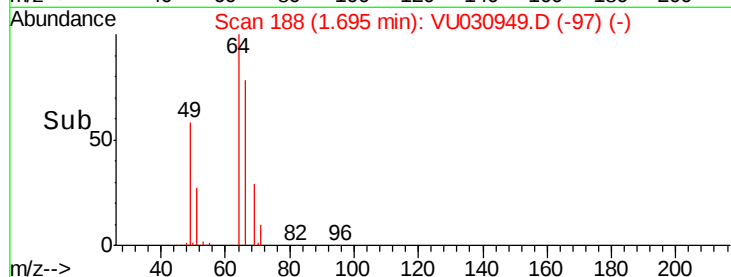
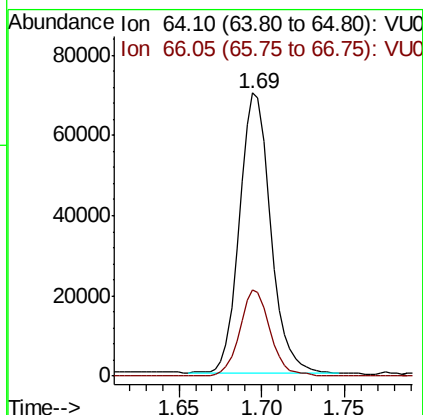
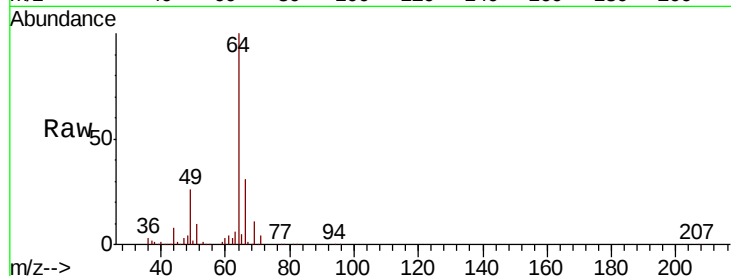




#8
Chloroethane
Concen: 5.355 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.01 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

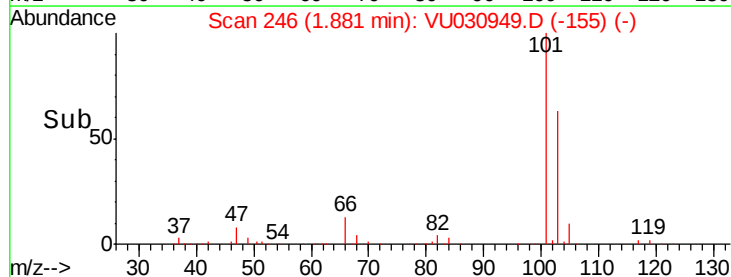
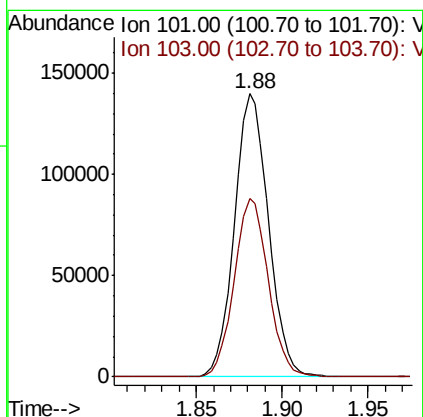
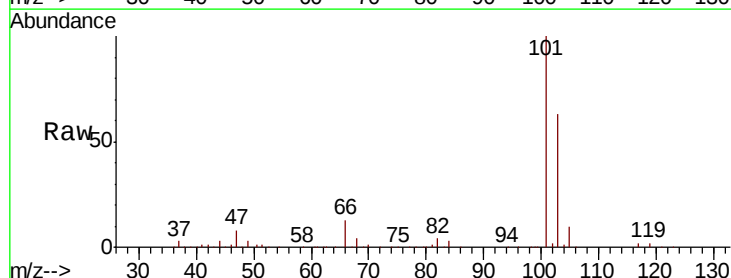
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

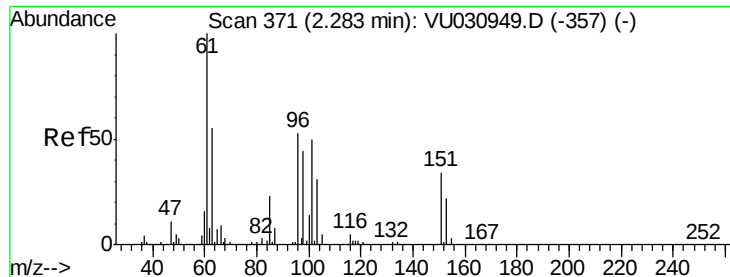
Tot Ion: 64 Resp: 91060
Ion Ratio Lower Upper
64 100
66 30.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.700 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.01 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion:101 Resp: 193141
Ion Ratio Lower Upper
101 100
103 63.0 52.0 78.0





#10

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

Concen: 5.346 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

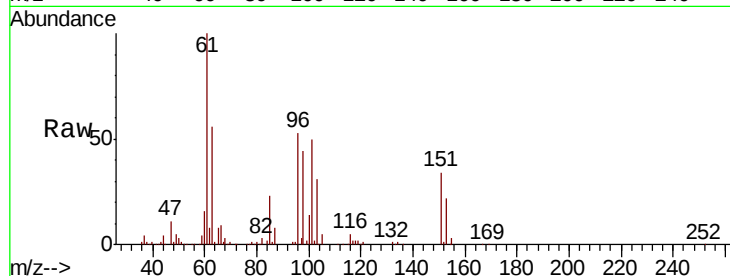
Tot Ion:101 Resp: 100744

Ion Ratio Lower Upper

101 100

85 47.2 35.3 52.9

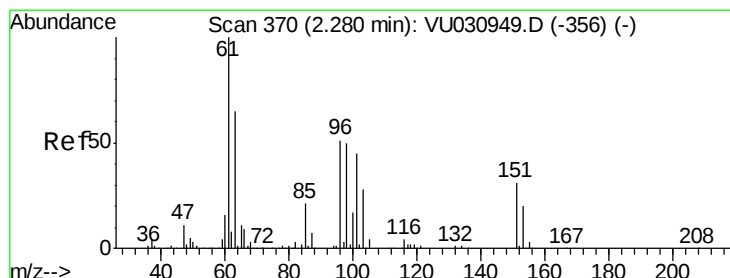
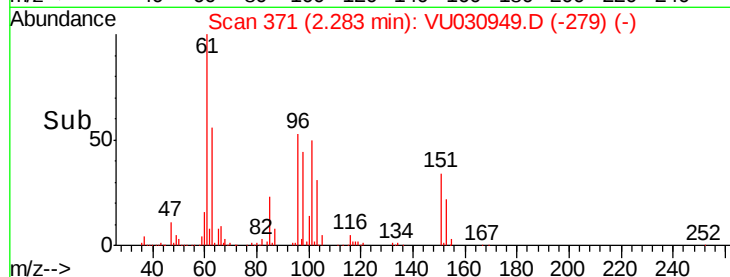
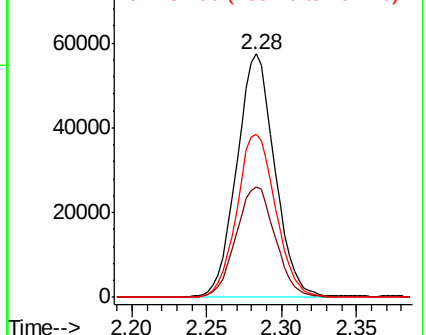
151 69.2 55.2 82.8



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: 5.204 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

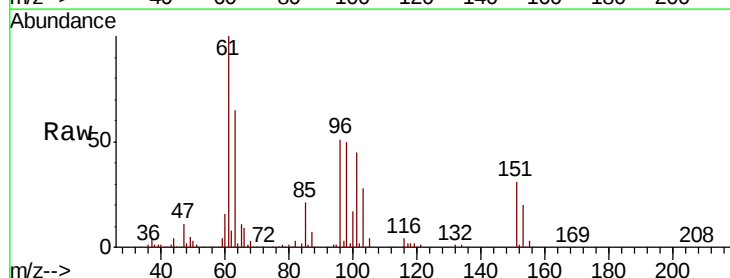
Tgt Ion: 96 Resp: 94862

Ion Ratio Lower Upper

96 100

61 197.8 136.9 254.3

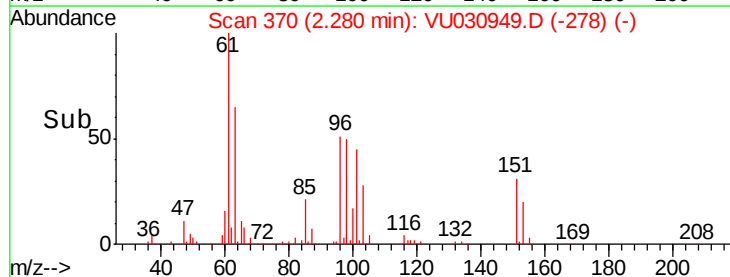
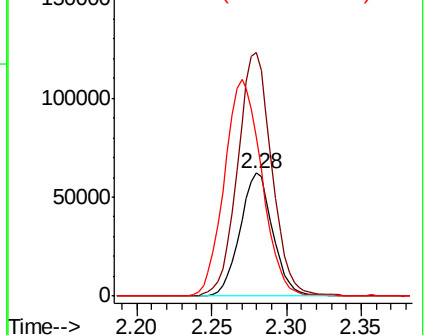
63 129.3 107.7 200.1

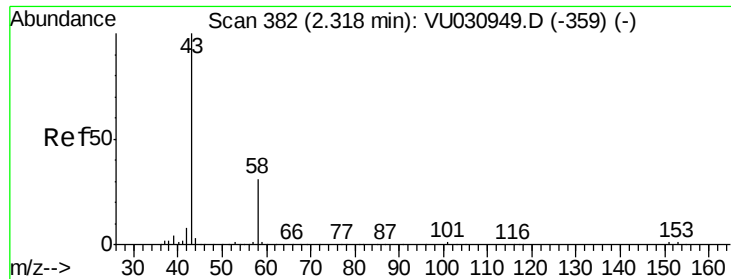


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.932 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.04 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

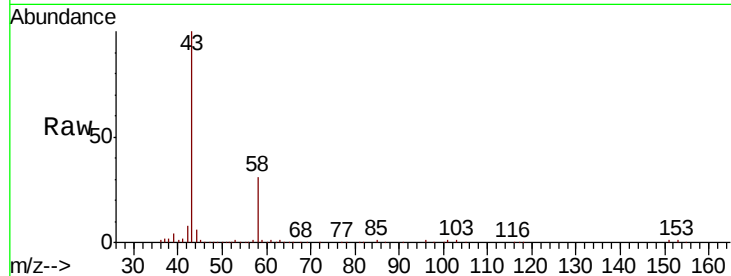
VSTD00514

Tot Ion: 43 Resp: 227950

Ion Ratio Lower Upper

43 100

58 30.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030949.D (-359) (-)

Ion 58.05 (57.75 to 58.75): VU030949.D (-359) (-)

2.32

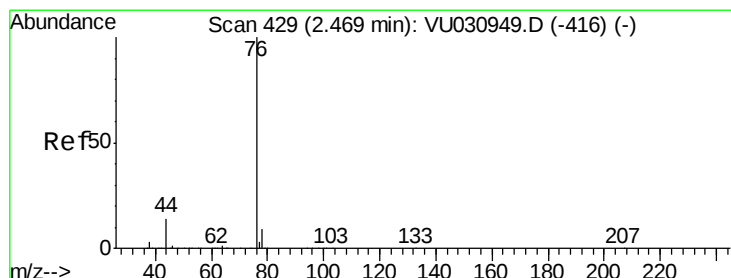
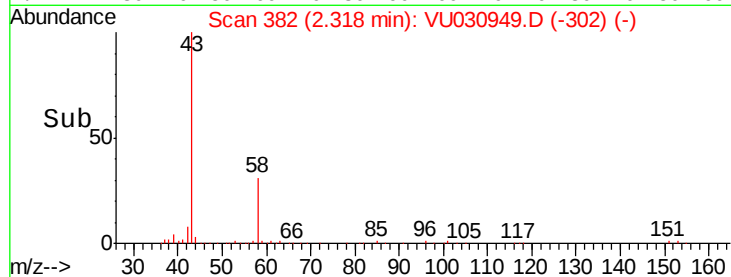
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100000

50000

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Time-->



#14

Carbon disulfide

Concen: 5.194 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.01 min

Lab File: VU030949.D

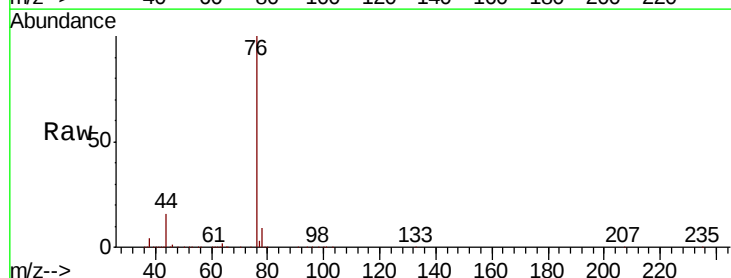
Acq: 09 Apr 2019 11:32

Tgt Ion: 76 Resp: 332048

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU030949.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030949.D (-416) (-)

2.47

250000

200000

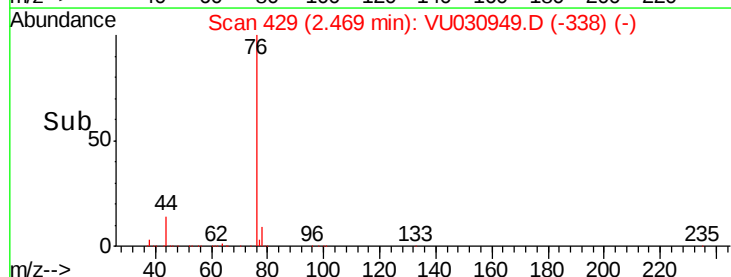
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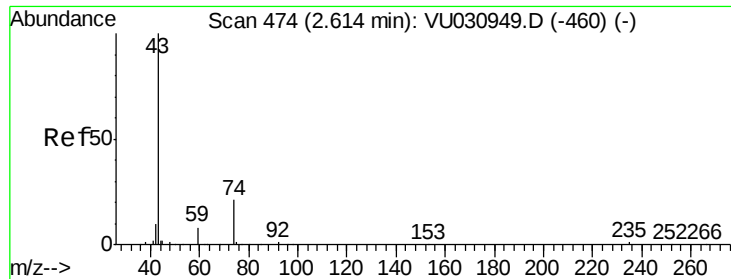
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50000

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Time-->

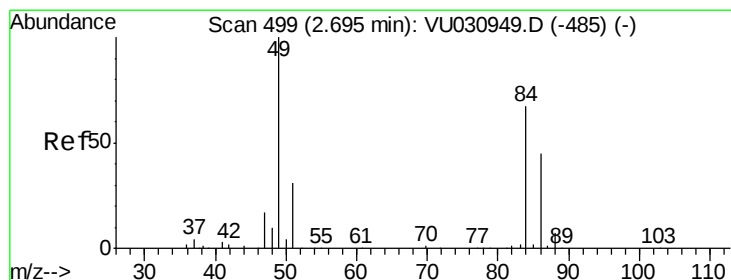
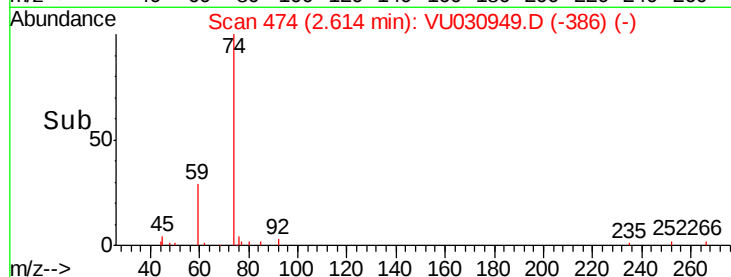
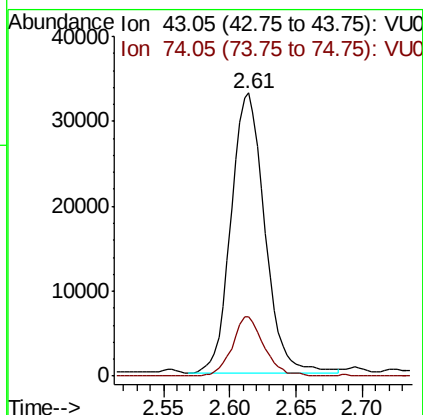
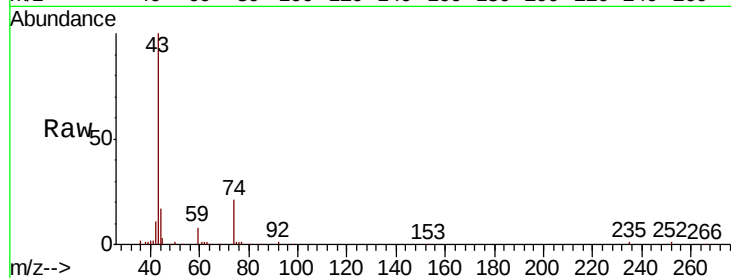




#15
Methyl Acetate
Concen: 5.967 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.02 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

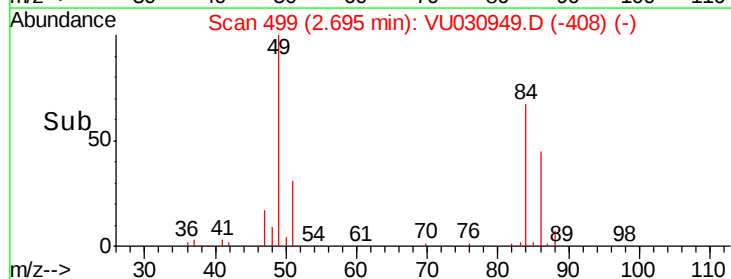
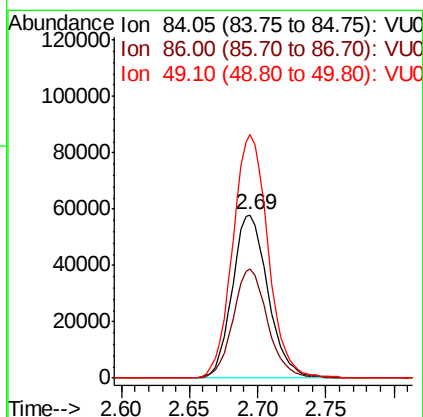
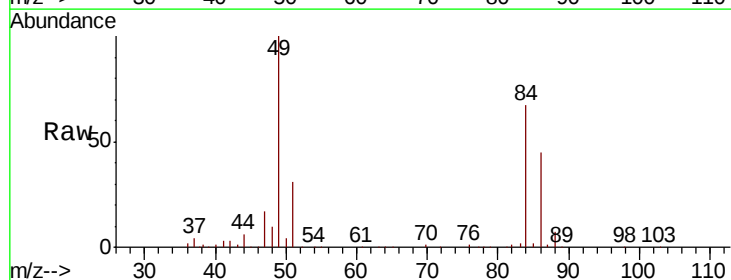
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

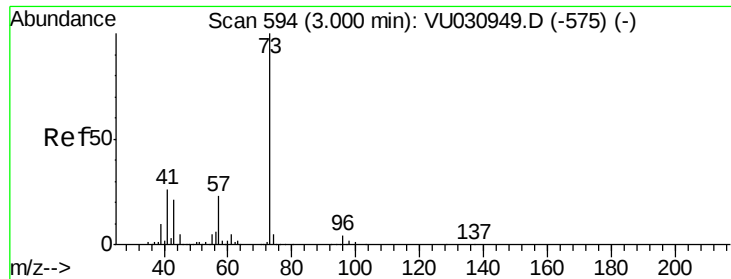
Tot Ion: 43 Resp: 58626
Ion Ratio Lower Upper
43 100
74 19.7 17.1 25.7



#16
Methylene chloride
Concen: 4.971 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.01 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion: 84 Resp: 105636
Ion Ratio Lower Upper
84 100
86 67.1 43.4 80.6
49 149.3 98.5 182.9

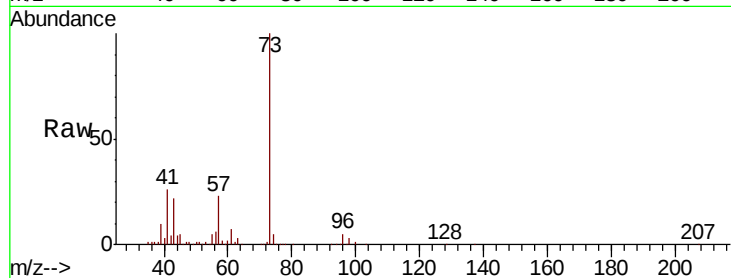




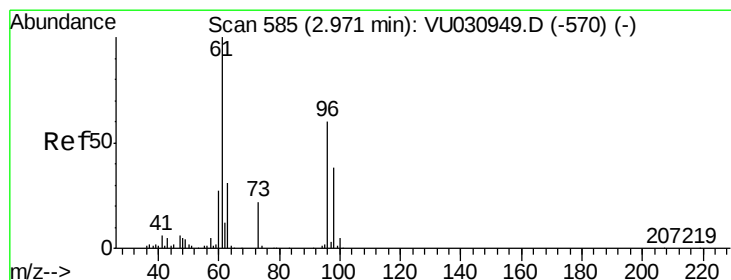
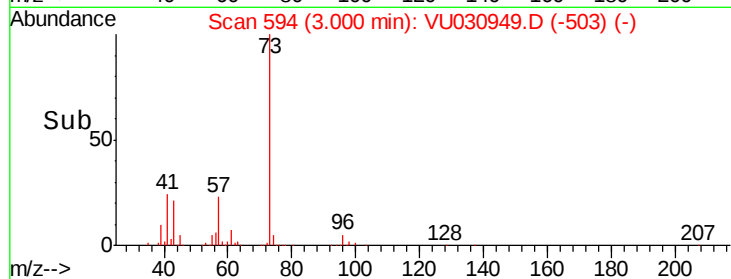
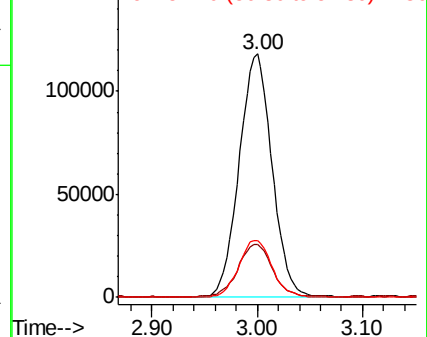
#17
Methvl tert-butvl Ether
Concen: 5.251 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.01 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.0	25.4
57	23.8	19.4	29.2

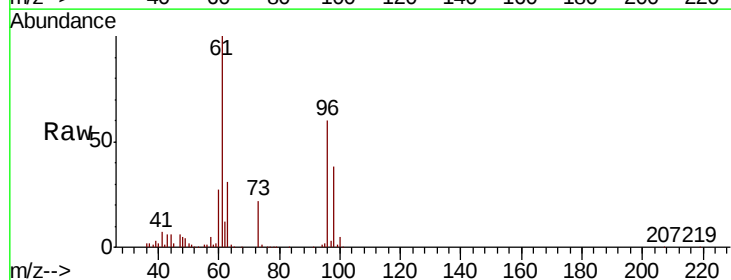


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

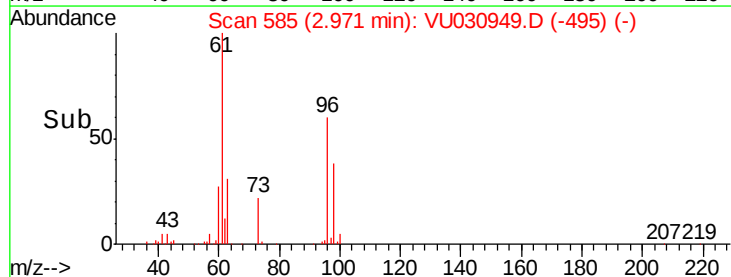
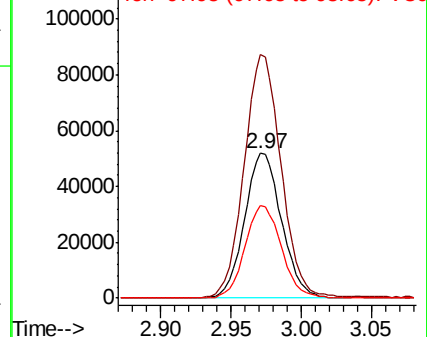


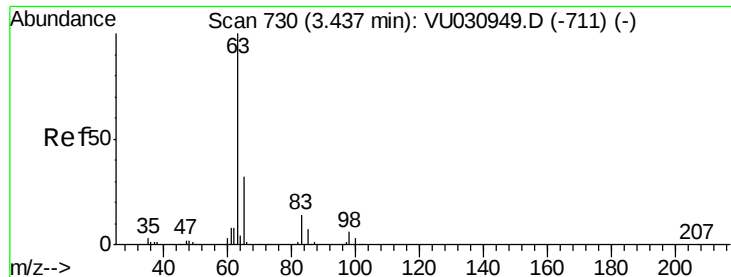
#18
trans-1,2-Dichloroethene
Concen: 4.970 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.01 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	116.8	216.8
98	63.7	46.8	87.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

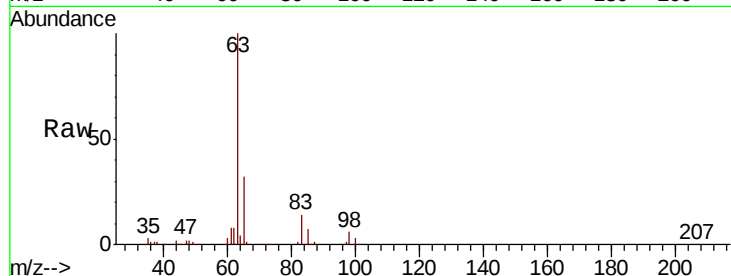




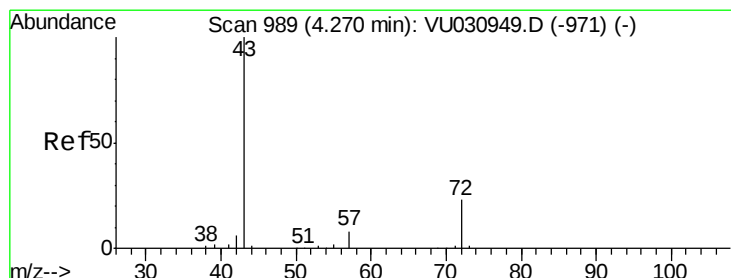
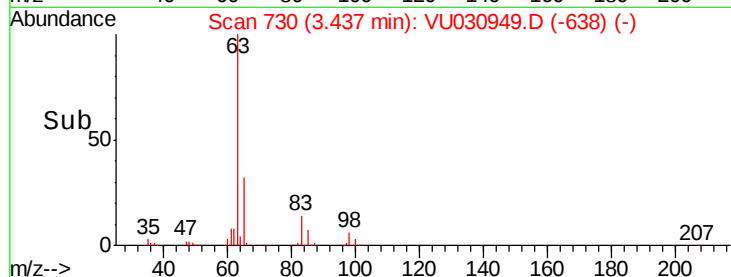
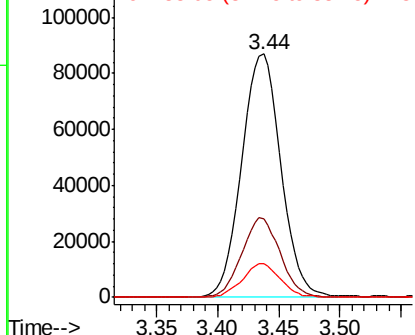
#19
 1,1-Dichloroethane
 Concen: 4.749 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.6	40.0
83	13.6	9.1	16.9

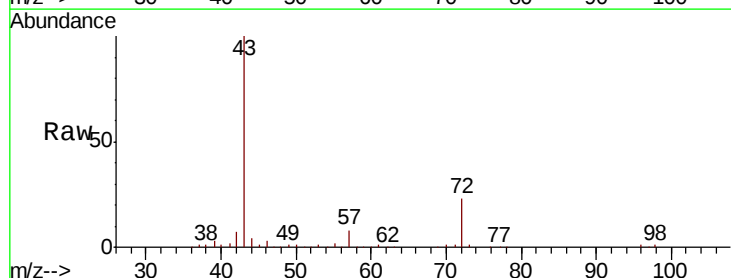


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

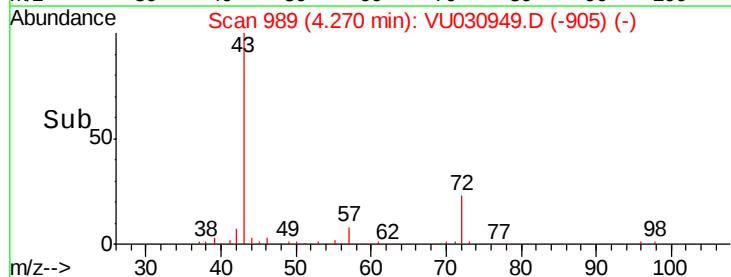
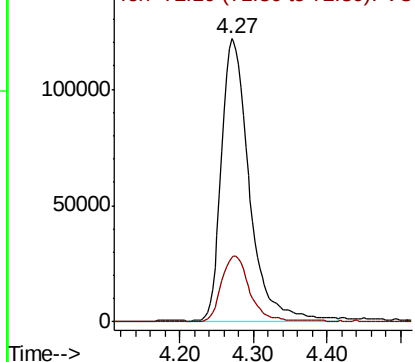


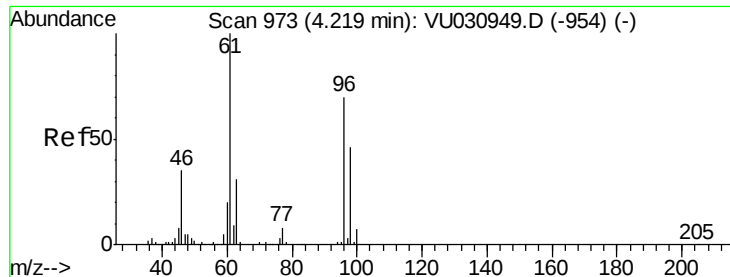
#21
 2-Butanone
 Concen: 52.997 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.03 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	11.2	33.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



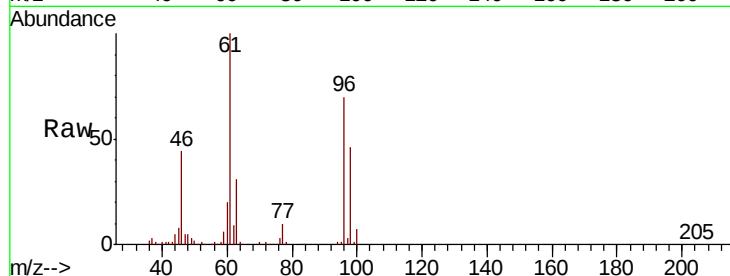


#22

cis-1,2-Dichloroethene
 Concen: 5.001 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.01 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	98.9	183.7
68	0.0	0.0	0.0

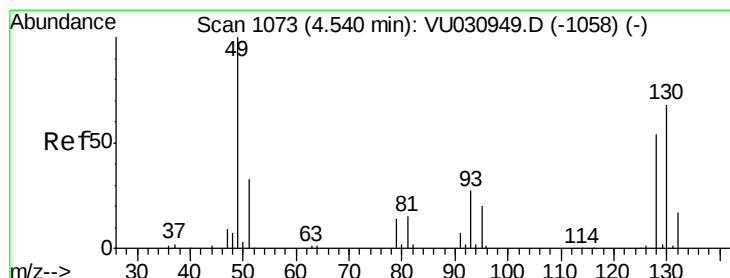
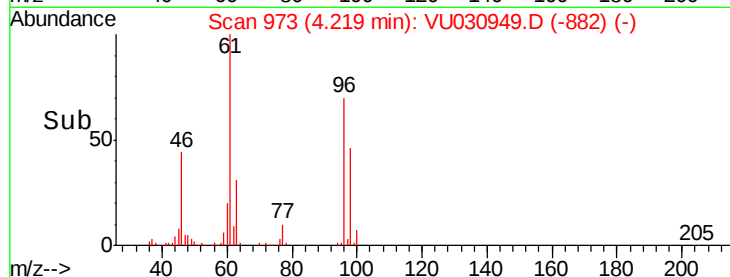
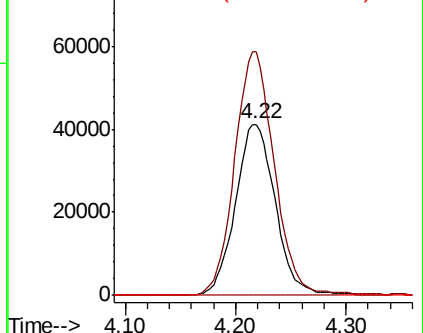


Abundance

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: 5.531 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
128	100		
49	185.7	140.6	261.2
130	126.8	87.3	162.1
51	62.6	51.8	77.6

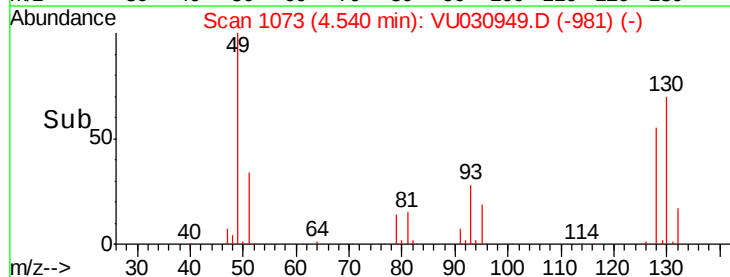
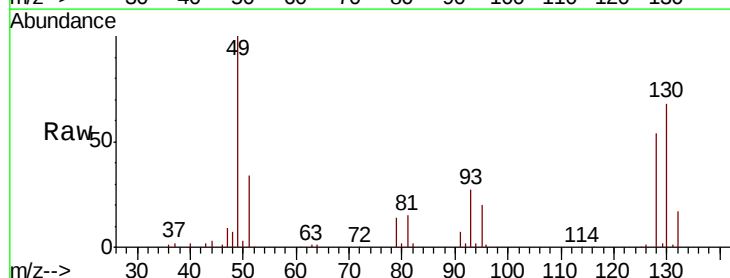
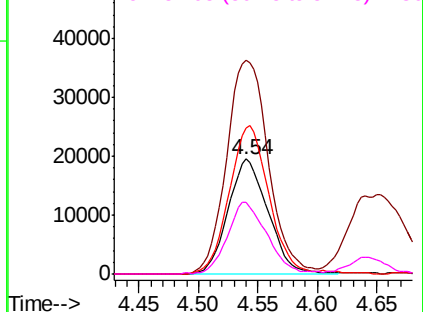
Abundance

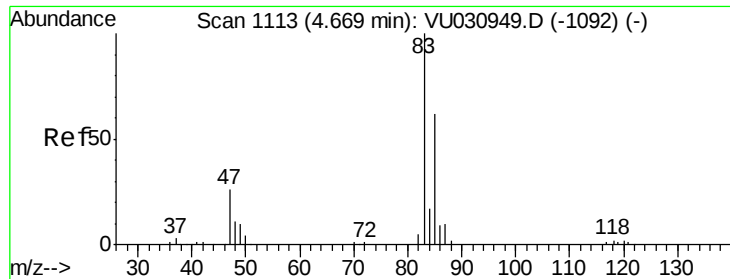
Ion 127.90 (127.60 to 128.60): V

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

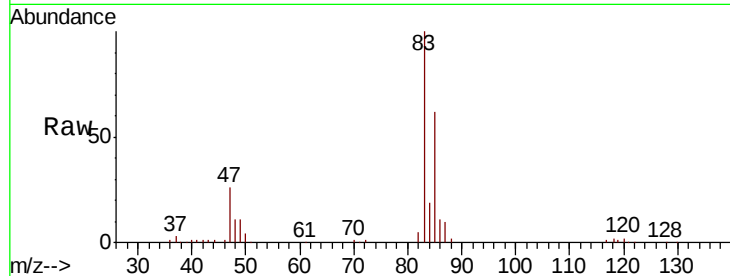




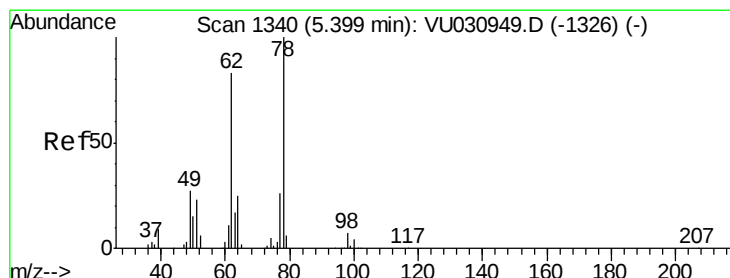
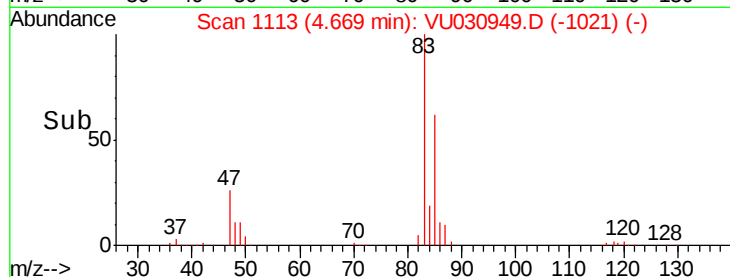
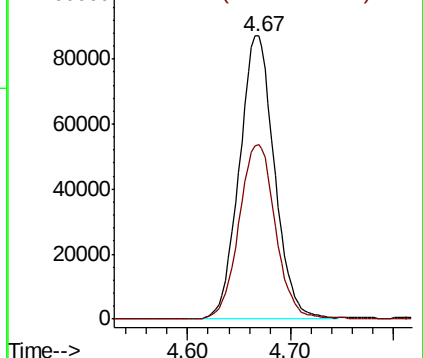
#25
Chloroform
Concen: 5.556 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion: 83 Resp: 206198
Ion Ratio Lower Upper
83 100
85 61.6 44.2 82.2

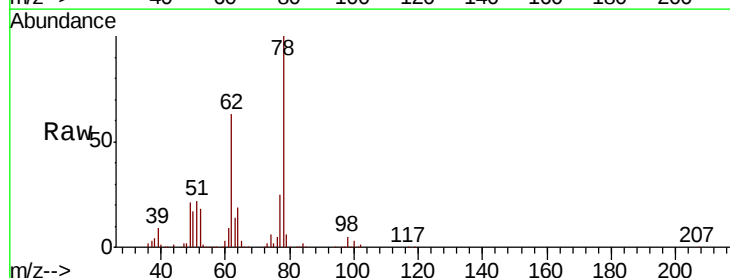


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

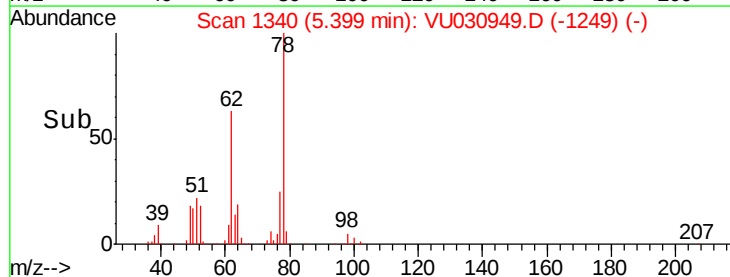
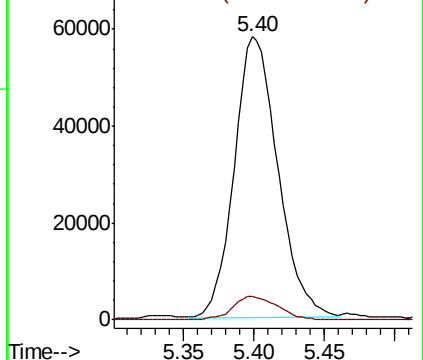


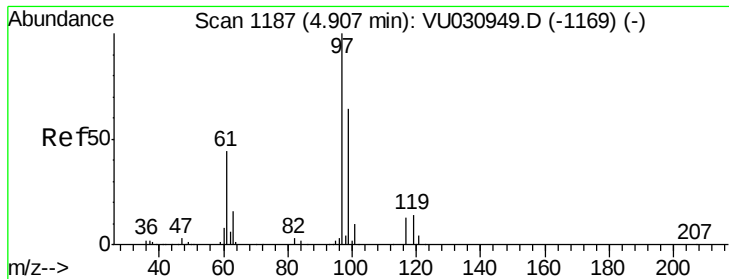
#27
1,2-Dichloroethane
Concen: 5.215 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion: 62 Resp: 125594
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

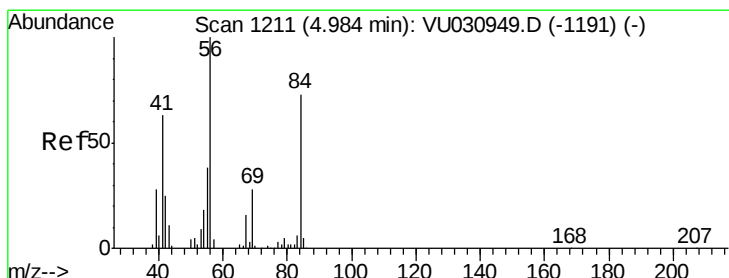
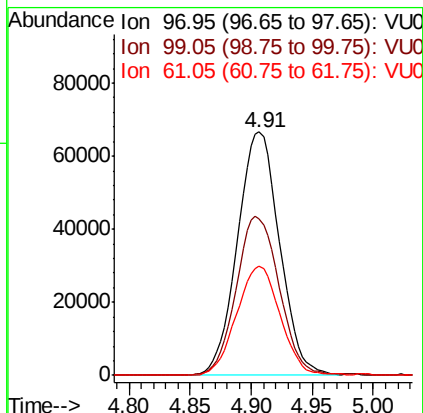
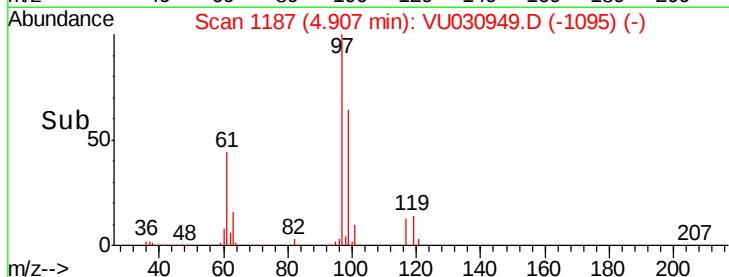
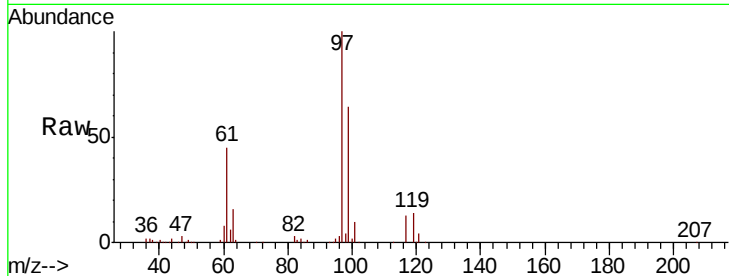




#29
1,1,1-Trichloroethane
Concen: 4.972 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

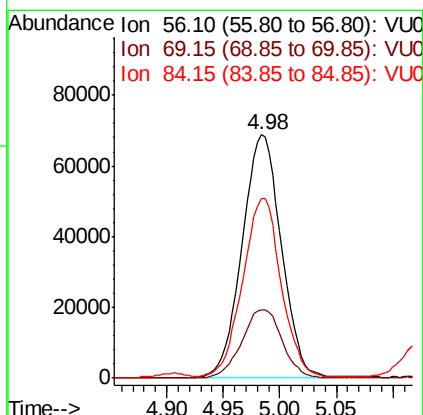
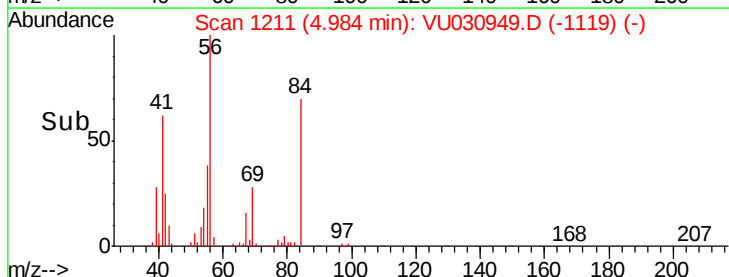
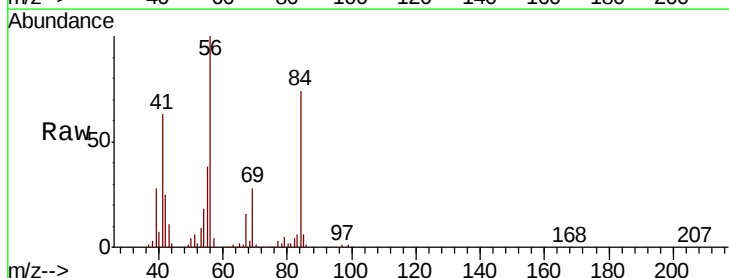
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

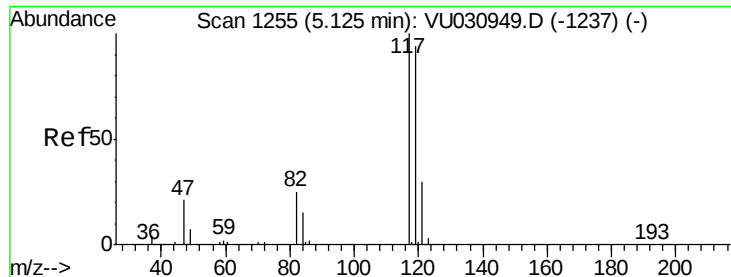
Tot Ion: 97 Resp: 159279
Ion Ratio Lower Upper
97 100
99 67.0 51.8 77.6
61 46.4 38.1 57.1



#30
Cyclohexane
Concen: 4.301 ug/L
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion: 56 Resp: 166351
Ion Ratio Lower Upper
56 100
69 28.9 22.3 33.5
84 73.0 58.3 87.5

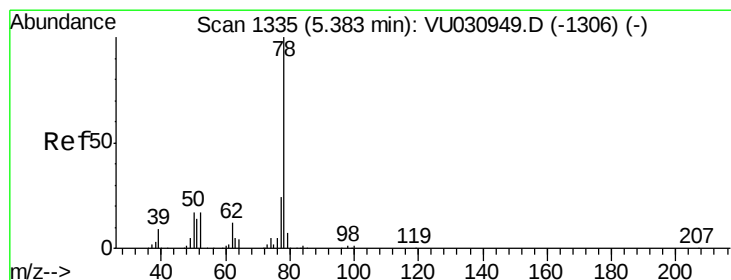
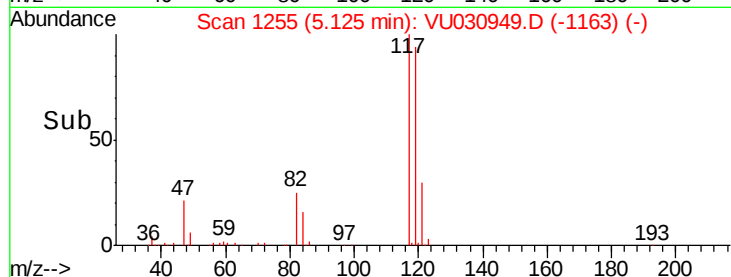
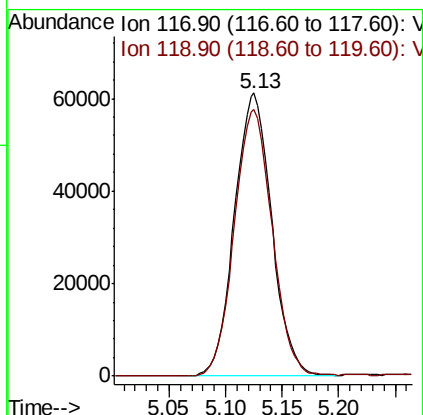
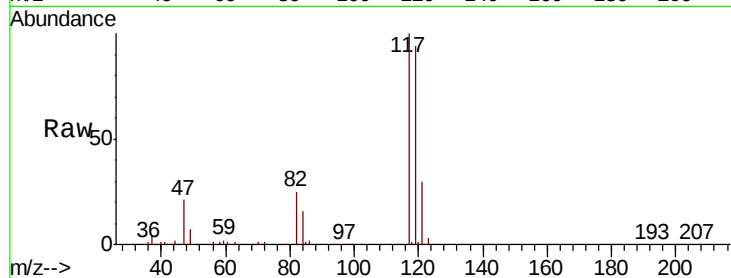




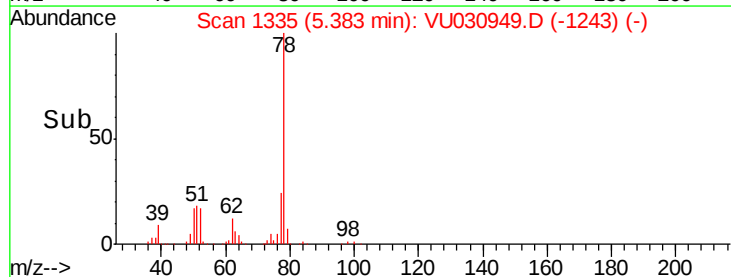
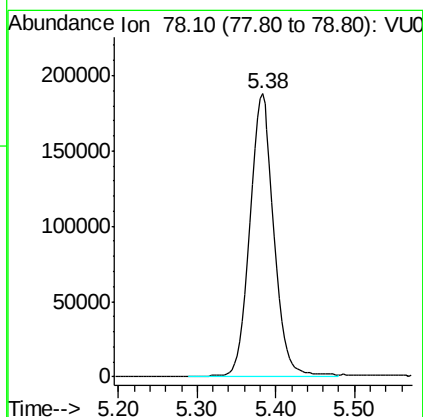
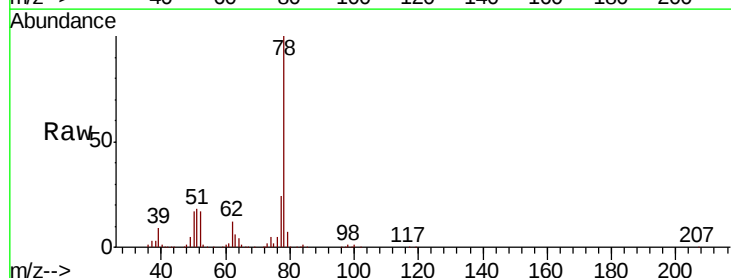
#31
Carbon tetrachloride
Concen: 5.223 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

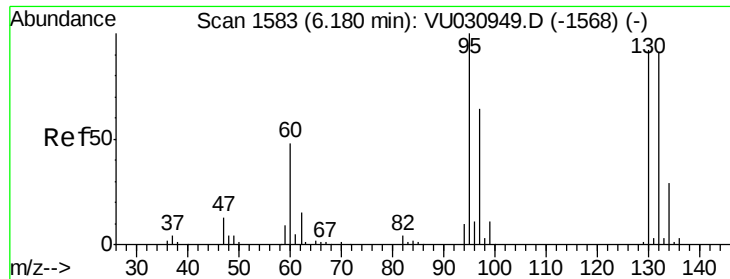
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:117 Resp: 140478
Ion Ratio Lower Upper
117 100
119 95.7 73.7 110.5



#33
Benzene
Concen: 4.835 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32
Tgt Ion: 78 Resp: 411303





#34

Trichloroethene

Concen: 4.709 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 95 Resp: 100283

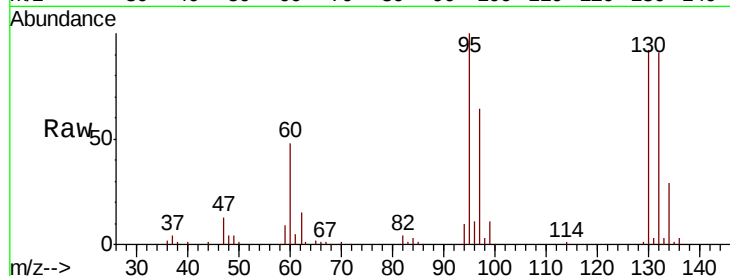
Ion Ratio Lower Upper

95 100

97 64.4 43.5 80.9

132 91.2 60.7 112.7

130 92.0 65.1 120.9

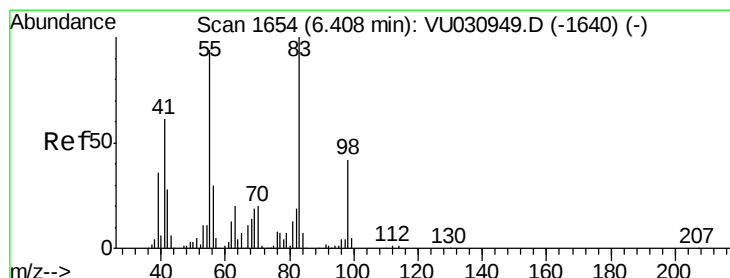
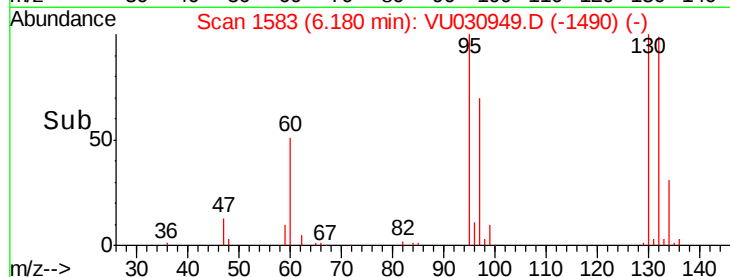
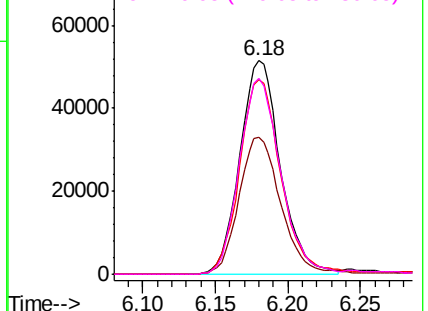


Abundance Ion 95.00 (94.70 to 95.70): VU030949.D (-1568) (-)

Ion 96.95 (96.65 to 97.65): VU030949.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU030949.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU030949.D (-1568) (-)



#35

Methylcyclohexane

Concen: 4.391 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

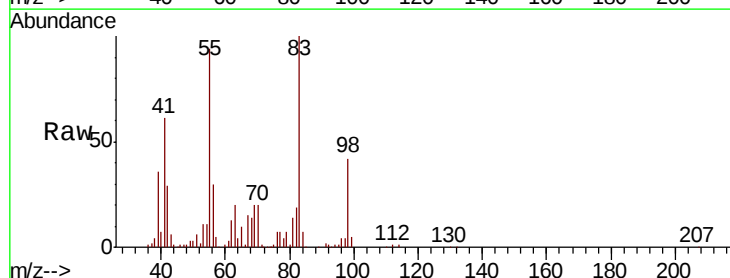
Tgt Ion: 83 Resp: 149215

Ion Ratio Lower Upper

83 100

55 93.5 72.6 108.8

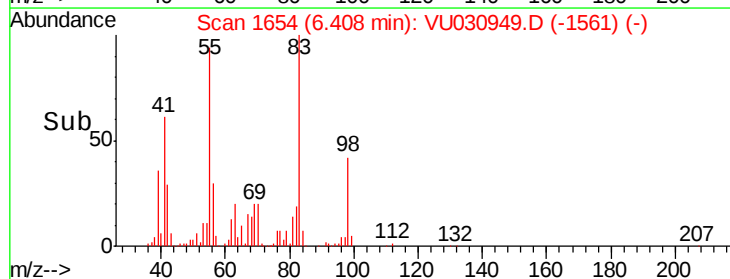
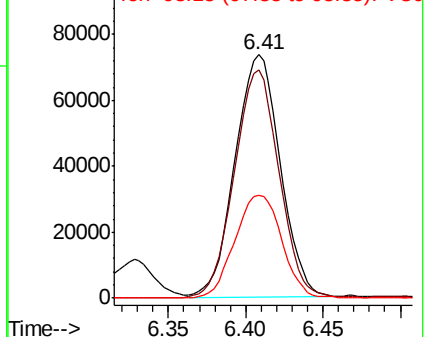
98 44.2 35.0 52.6

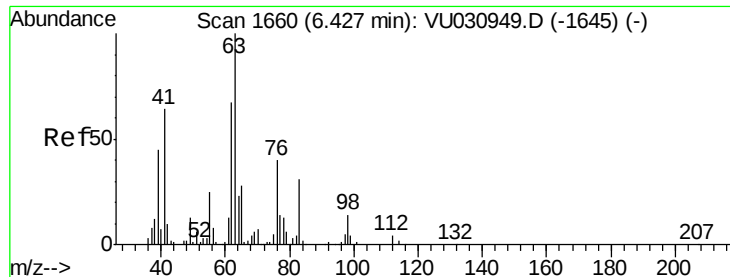


Abundance Ion 83.15 (82.85 to 83.85): VU030949.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU030949.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU030949.D (-1640) (-)





#37

1,2-Dichloropropane

Concen: 4.748 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

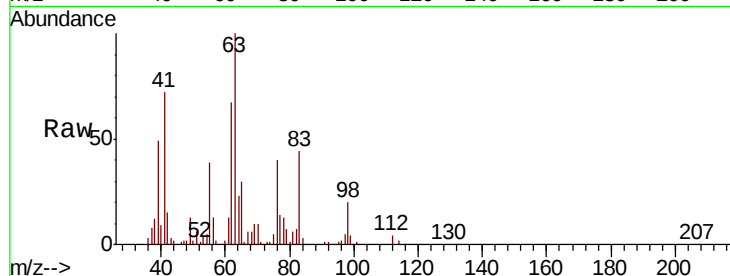
VSTD00514

Tot Ion: 63 Resp: 111156

Ion Ratio Lower Upper

63 100

112 3.7 2.8 4.2



Abundance Ion 63.10 (62.80 to 63.80): VU030949.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VU030949.D (-1645) (-)

6.43

60000

50000

40000

30000

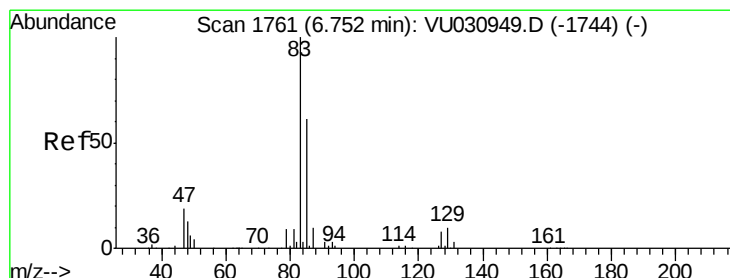
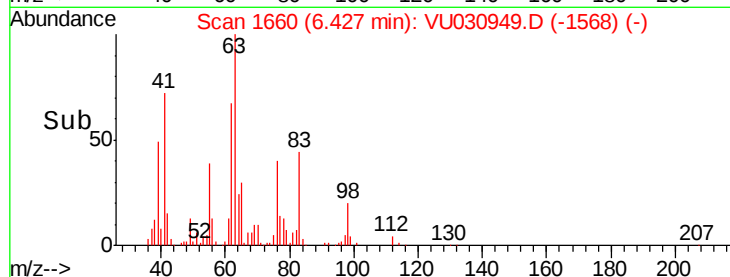
20000

10000

0

6.40 6.50

Time-->



#38

Bromodichloromethane

Concen: 5.009 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

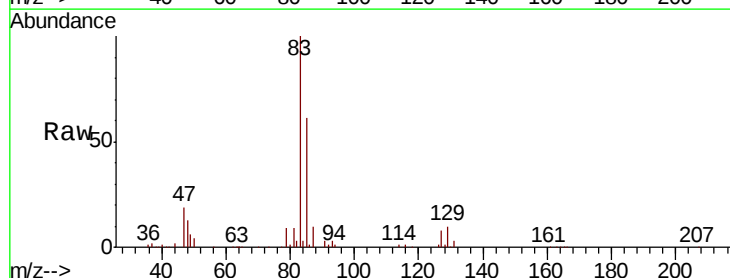
Tgt Ion: 83 Resp: 136928

Ion Ratio Lower Upper

83 100

85 60.8 45.1 83.9

127 8.0 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU030949.D (-1744) (-)

Ion 85.00 (84.70 to 85.70): VU030949.D (-1744) (-)

Ion 126.90 (126.60 to 127.60): VU030949.D (-1744) (-)

100000

80000

60000

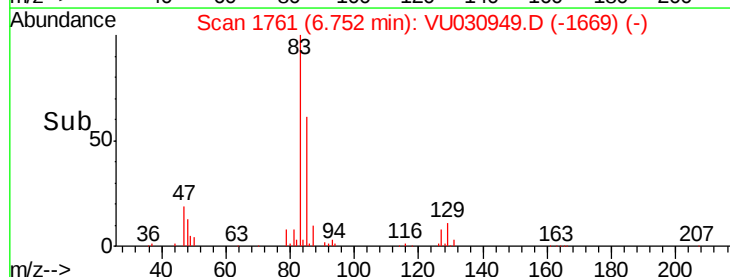
40000

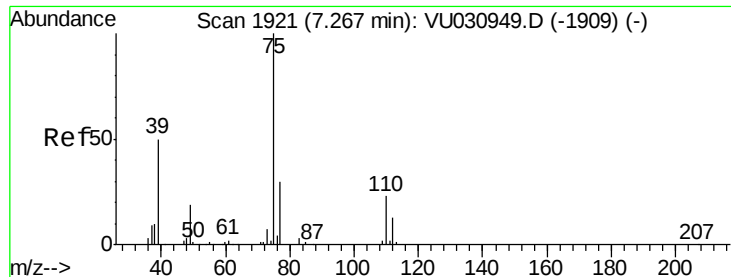
20000

0

6.70 6.80

Time-->



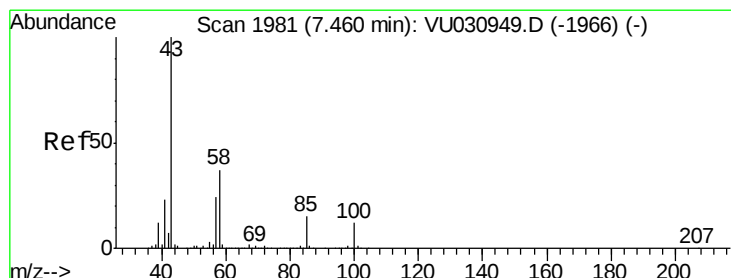
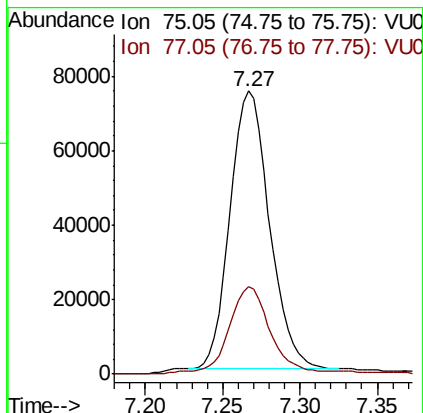
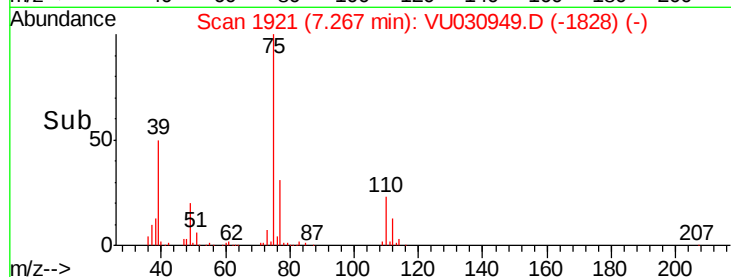
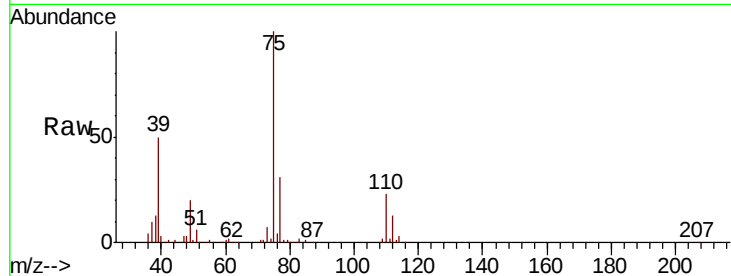


#39

cis-1,3-Dichloropropene
 Concen: 4.228 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

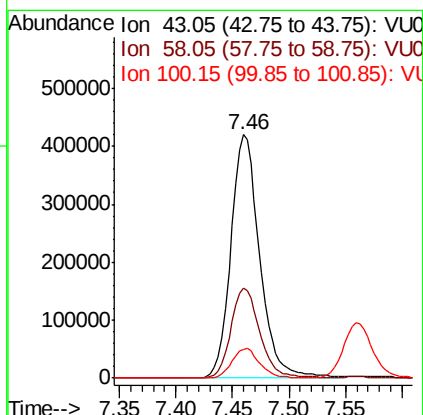
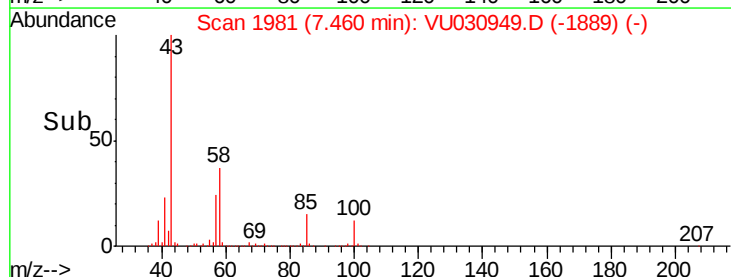
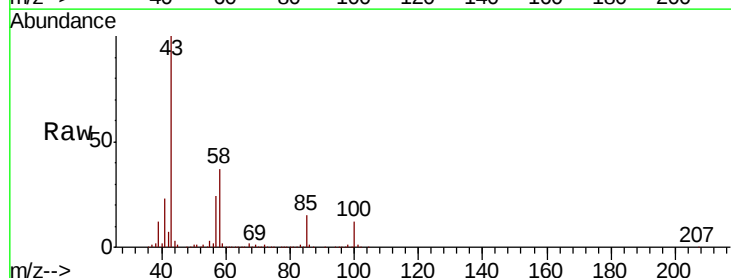
Tot Ion: 75 Resp: 132379
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.5

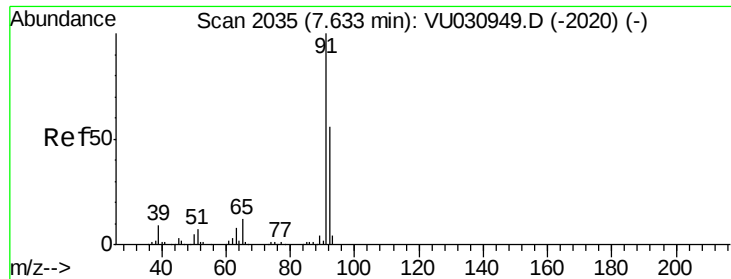


#40

4-Methyl-2-pentanone
 Concen: 51.006 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion: 43 Resp: 744886
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.4 44.2
 100 11.9 9.2 13.8





#42

Toluene

Concen: 5.007 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

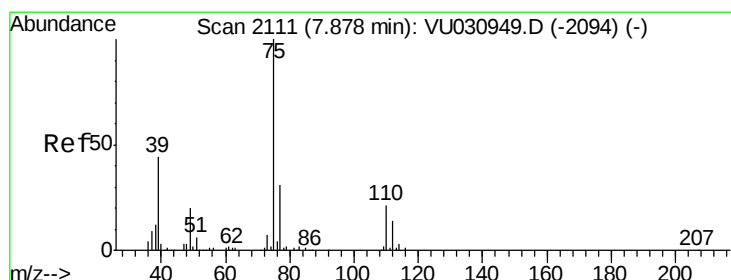
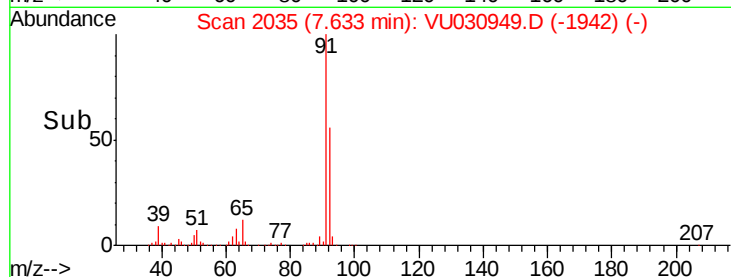
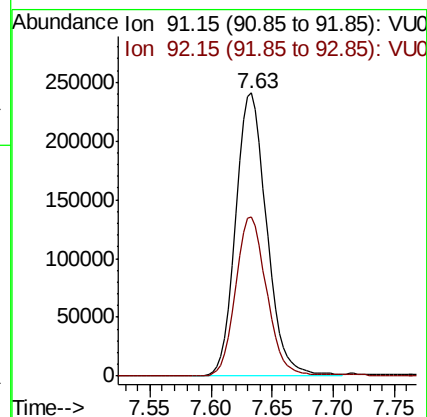
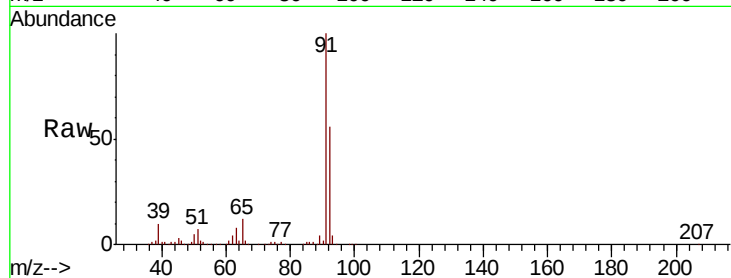
VSTD00514

Tot Ion: 91 Resp: 427182

Ion Ratio Lower Upper

91 100

92 56.3 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.920 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030949.D

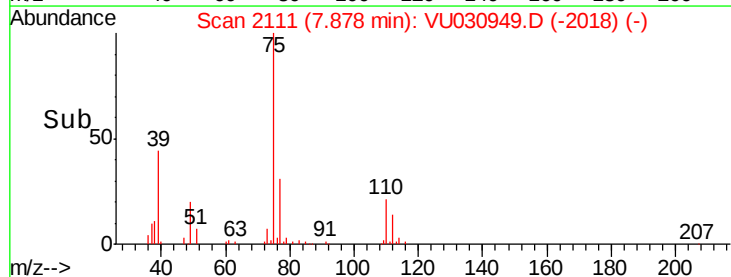
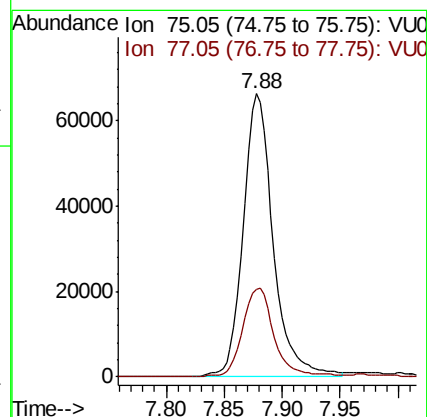
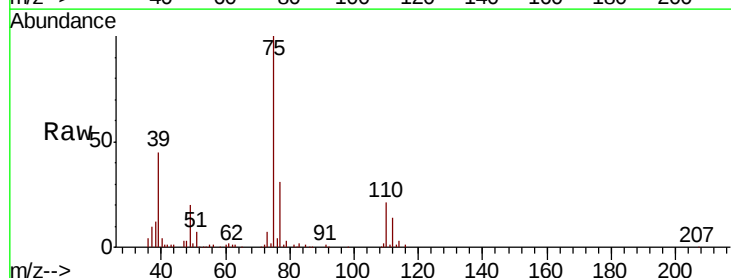
Acq: 09 Apr 2019 11:32

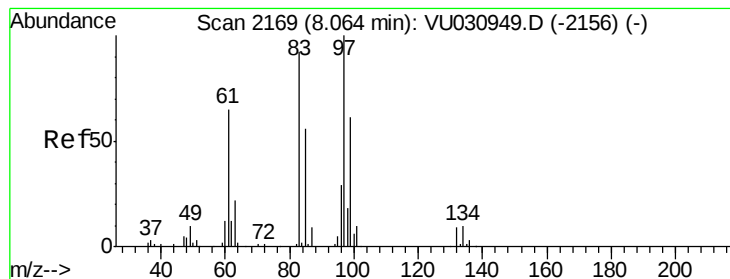
Tgt Ion: 75 Resp: 119233

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.152 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 97 Resp: 71923

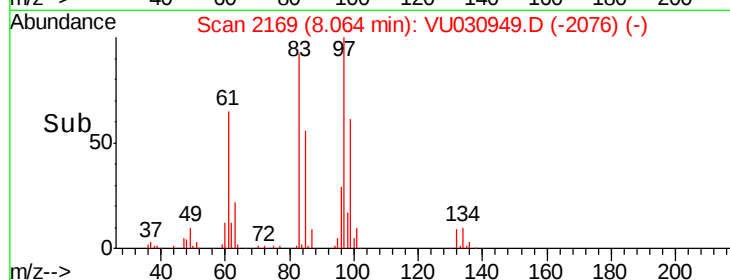
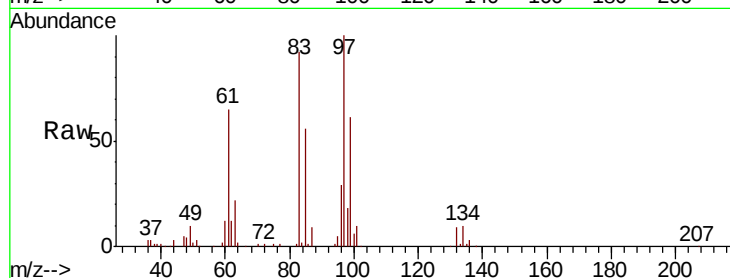
Ion	Ratio	Lower	Upper
97	100		
99	60.8	45.3	84.1
83	91.7	66.5	123.5
85	56.4	41.2	76.4

97 100

99 60.8 45.3 84.1

83 91.7 66.5 123.5

85 56.4 41.2 76.4



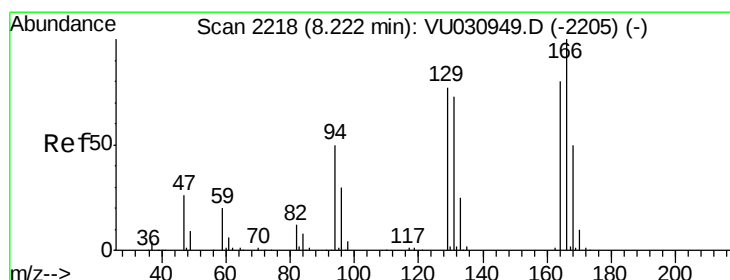
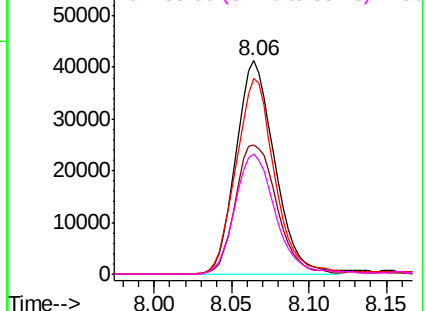
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.241 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Tgt Ion:164 Resp: 78290

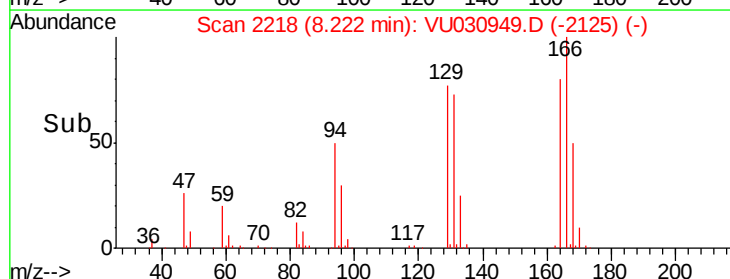
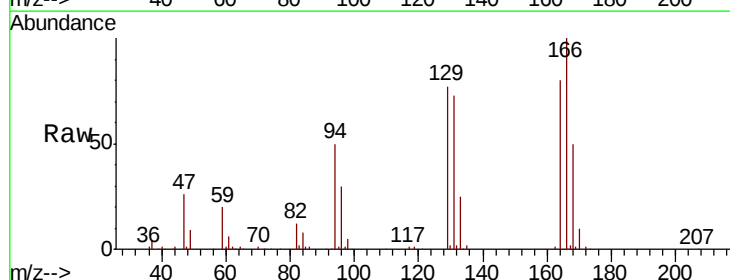
Ion	Ratio	Lower	Upper
164	100		
129	96.4	70.1	130.1
131	92.0	67.8	125.8
166	125.3	87.9	163.3

164 100

129 96.4 70.1 130.1

131 92.0 67.8 125.8

166 125.3 87.9 163.3



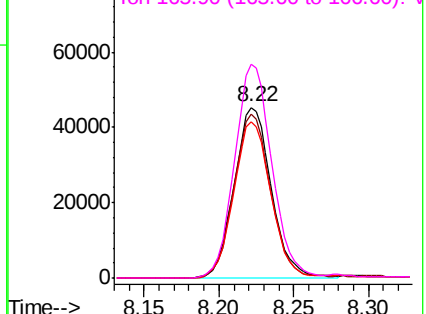
Abundance

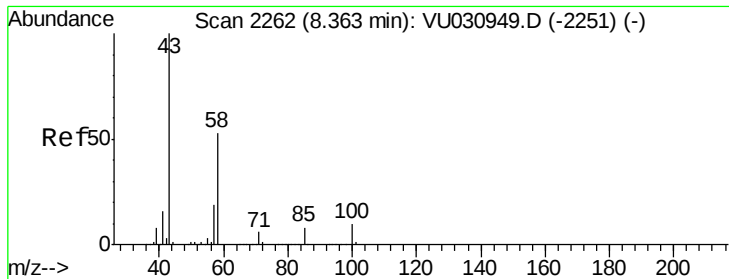
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

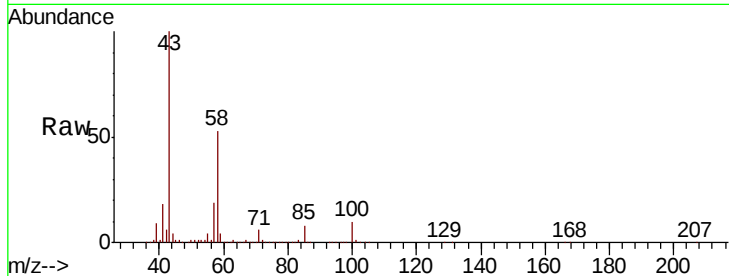




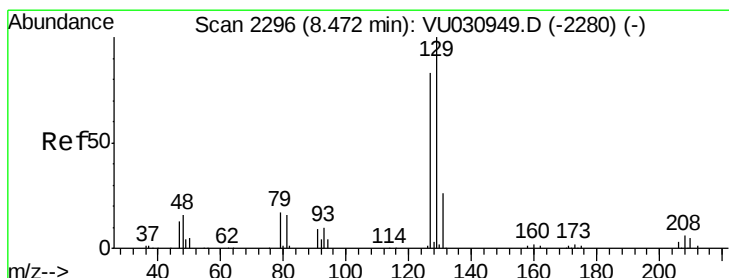
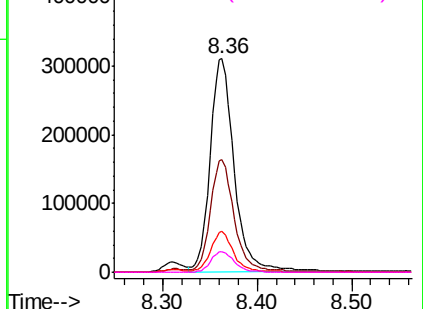
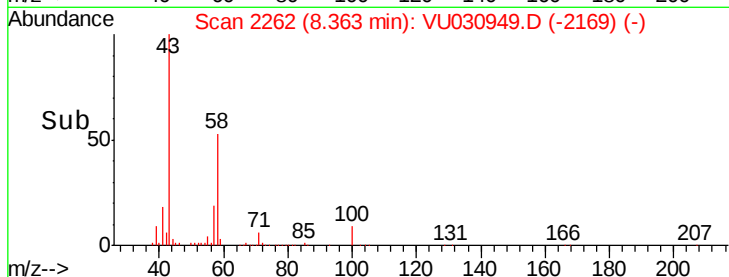
#48
2-Hexanone
Concen: 53.893 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion: 43 Resp: 545333
Ion Ratio Lower Upper
43 100
58 52.8 42.5 63.7
57 18.1 13.9 20.9
100 9.6 7.1 10.7

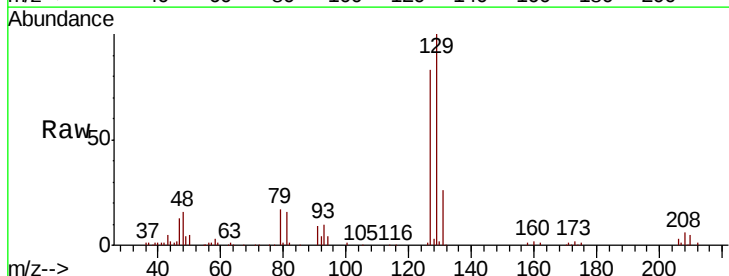


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

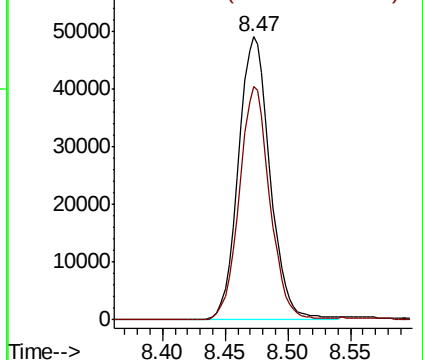
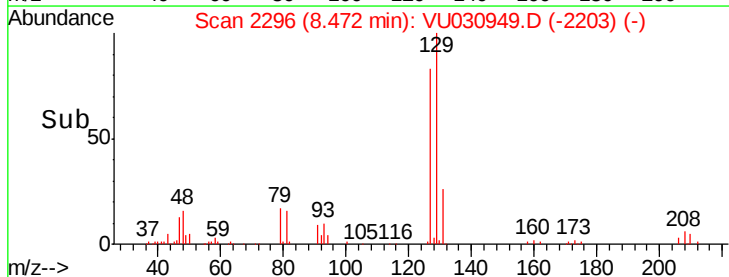


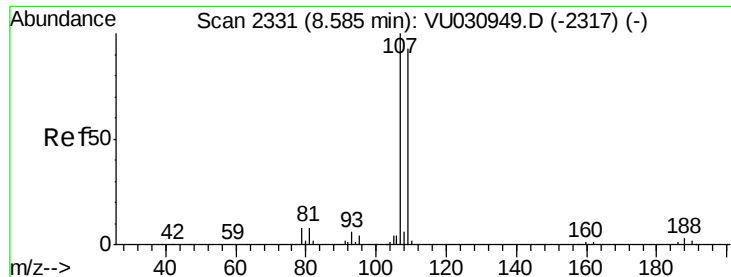
#49
Dibromochloromethane
Concen: 5.172 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion: 129 Resp: 86329
Ion Ratio Lower Upper
129 100
127 82.5 51.1 94.9



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

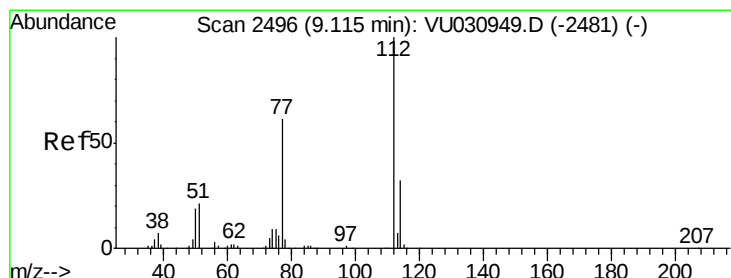
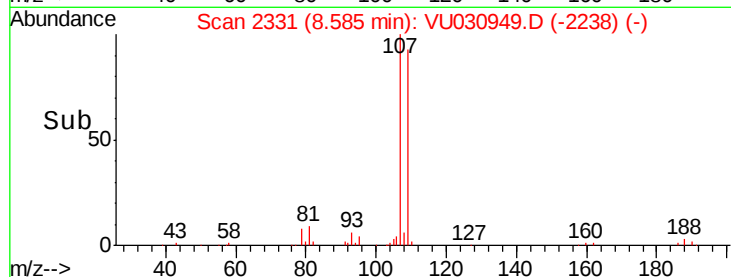
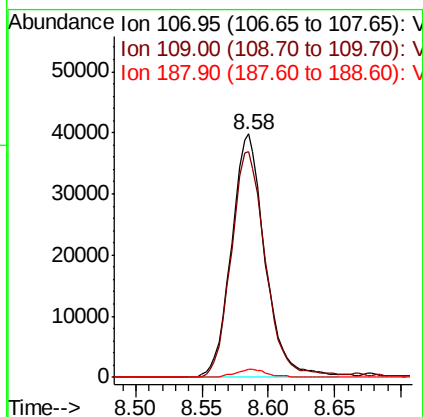
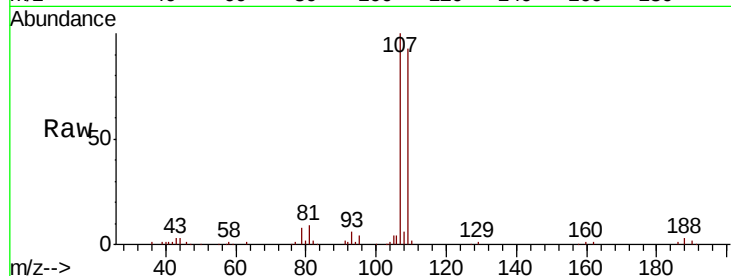




#50
1,2-Dibromoethane
Concen: 5.380 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

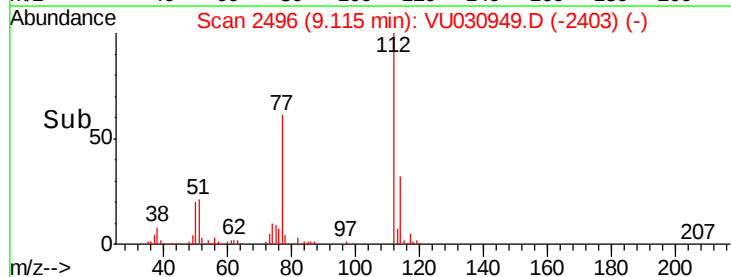
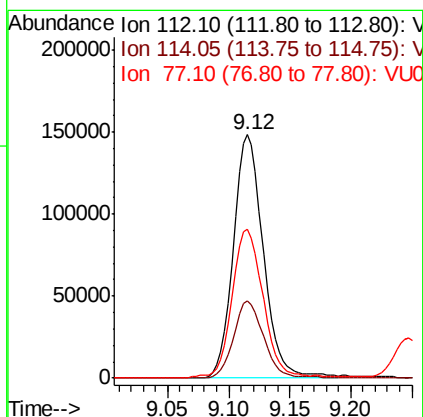
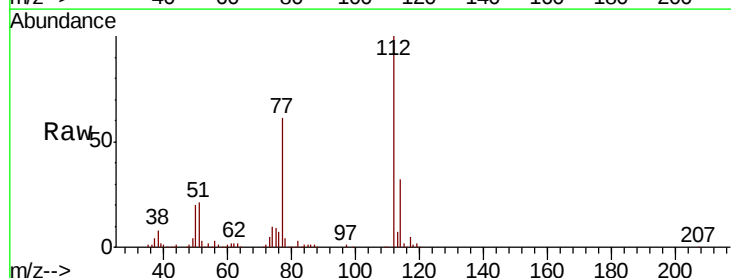
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

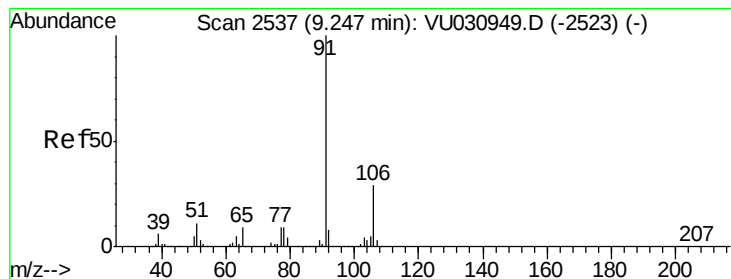
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	65.6	121.8
188	3.3	2.9	4.3



#51
Chlorobenzene
Concen: 4.819 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	61.1	51.0	76.6





#52

Ethylbenzene

Concen: 4.716 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

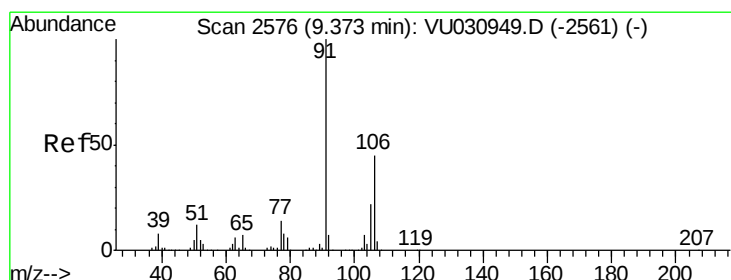
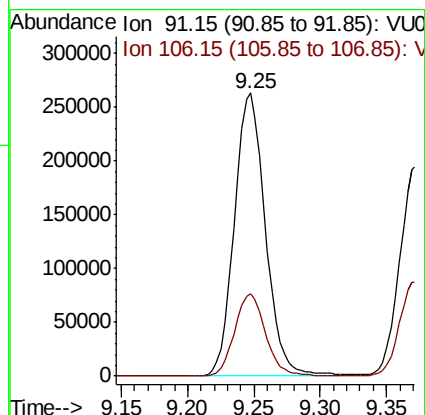
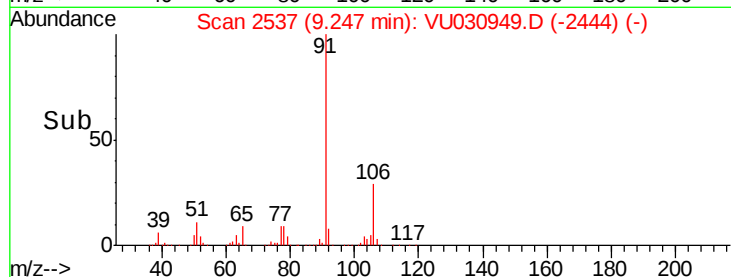
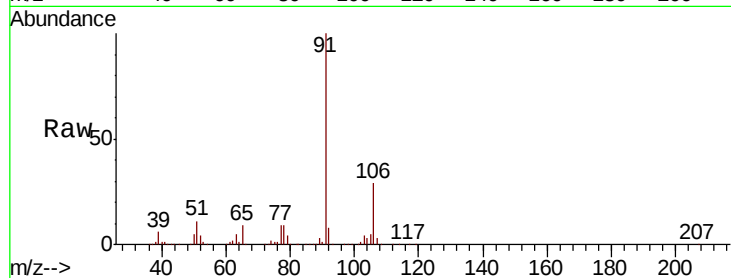
VSTD00514

Tot Ion: 91 Resp: 429136

Ion Ratio Lower Upper

91 100

106 29.0 20.2 37.4



#53

m,p-Xylene

Concen: 4.784 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030949.D

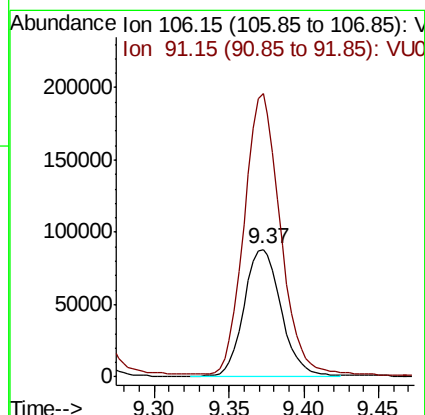
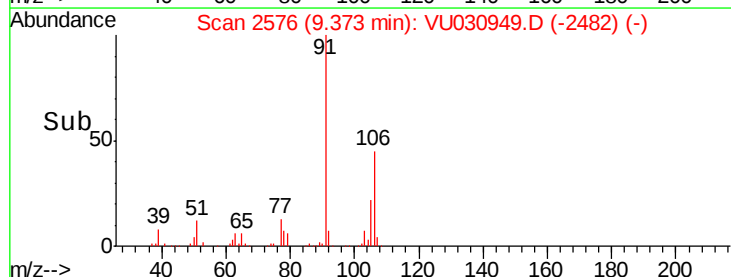
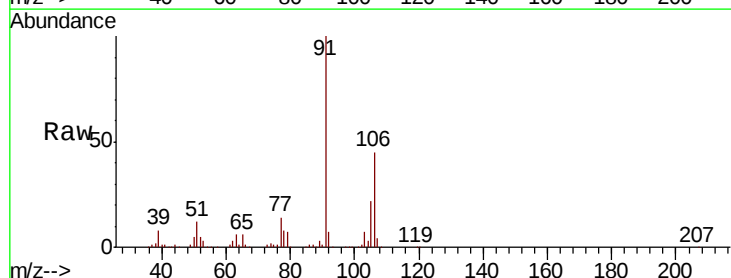
Acq: 09 Apr 2019 11:32

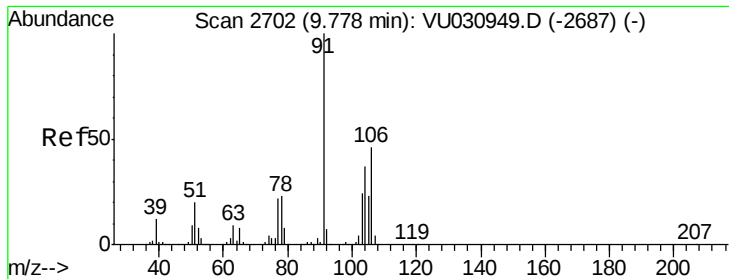
Tgt Ion: 106 Resp: 152057

Ion Ratio Lower Upper

106 100

91 221.6 147.4 273.8

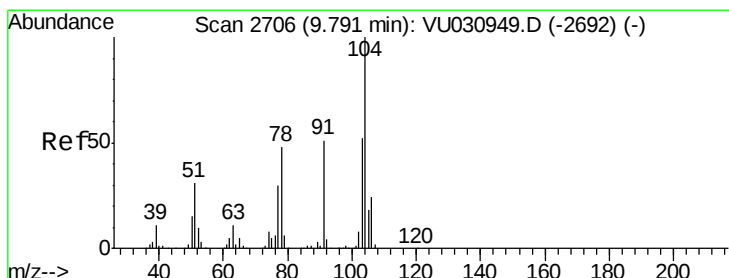
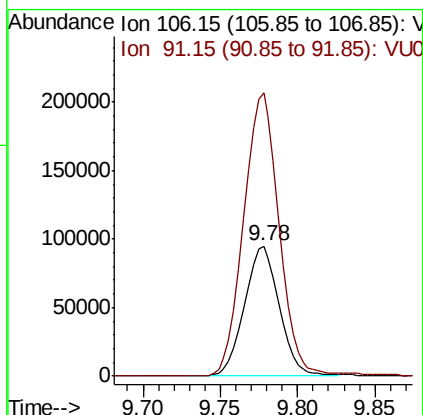
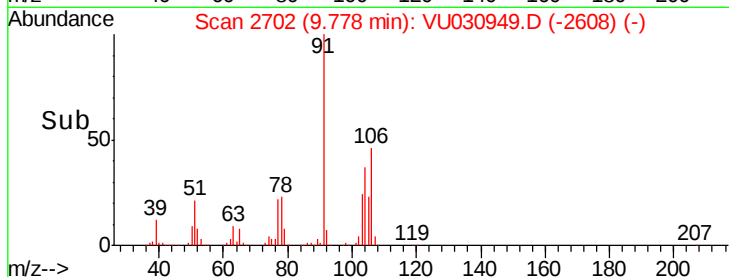
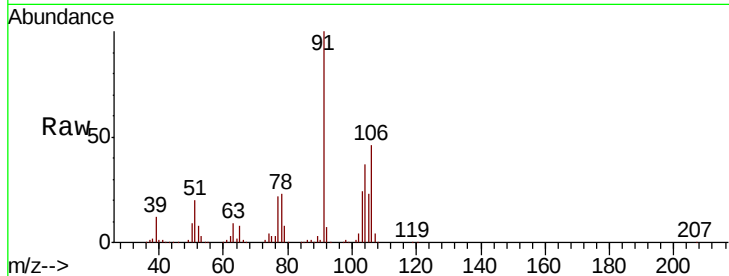




#54
o-Xylene
Concen: 4.787 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

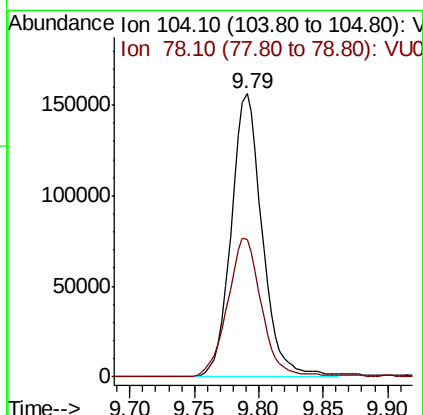
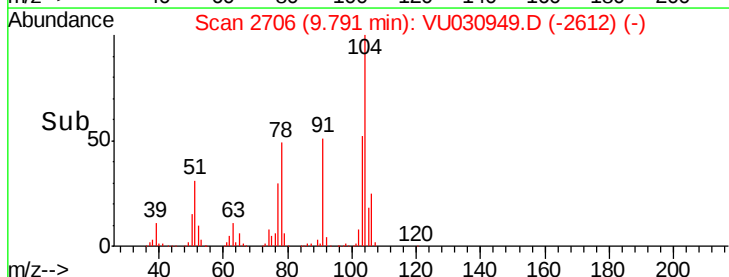
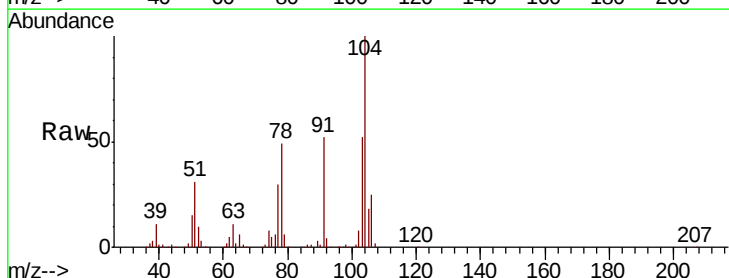
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

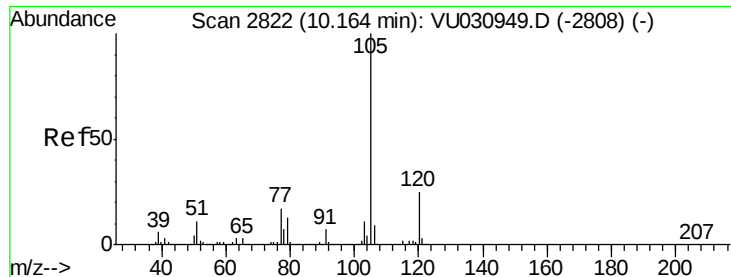
Tot Ion:106 Resp: 149204
Ion Ratio Lower Upper
106 100
91 218.1 161.3 299.7



#55
Styrene
Concen: 4.981 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion:104 Resp: 261930
Ion Ratio Lower Upper
104 100
78 48.6 34.4 63.8





#56

Isopropylbenzene

Concen: 4.836 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

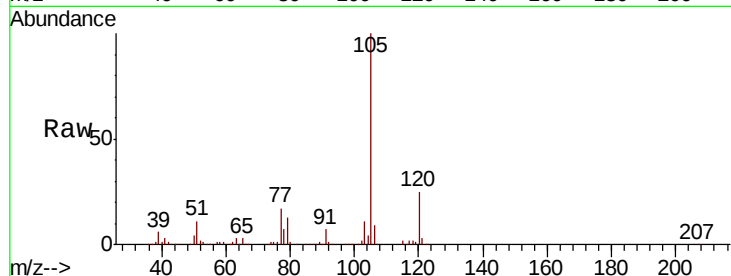
Tot Ion:105 Resp: 402672

Ion Ratio Lower Upper

105 100

120 24.7 20.5 30.7

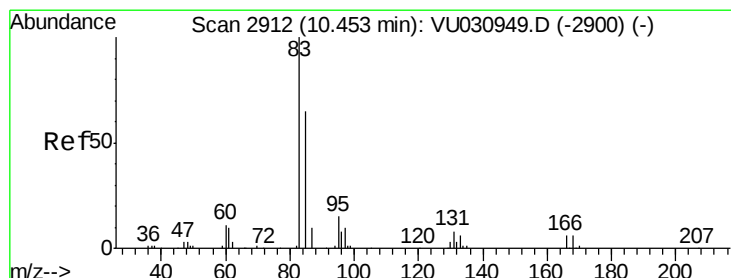
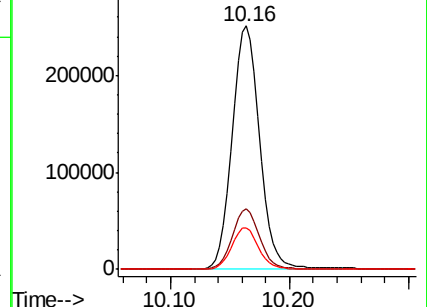
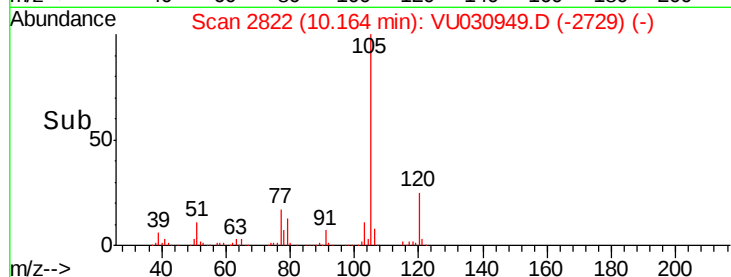
77 16.9 13.8 20.8



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: 5.437 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

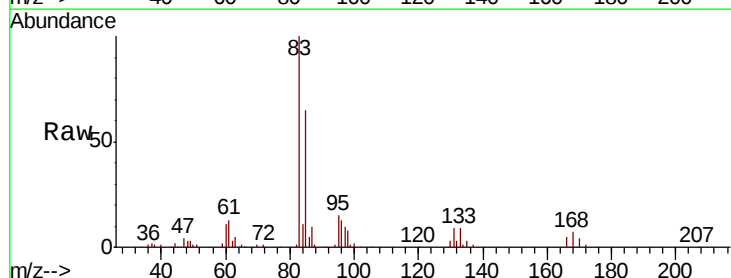
Tgt Ion: 83 Resp: 100905

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.5

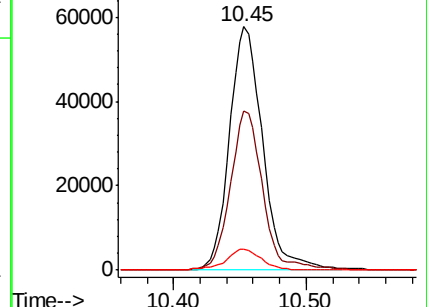
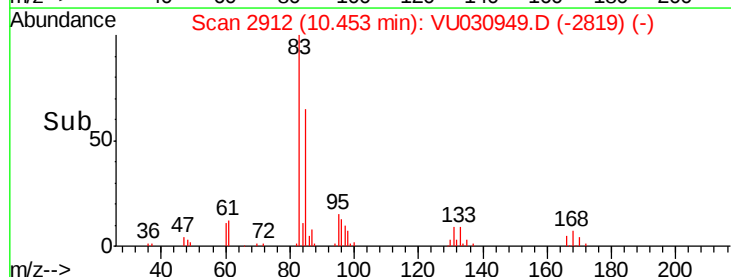
131 8.6 7.4 11.2

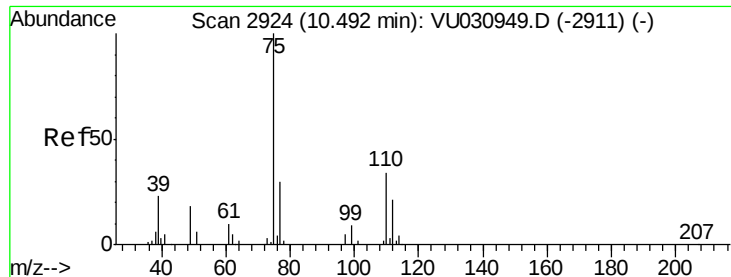


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

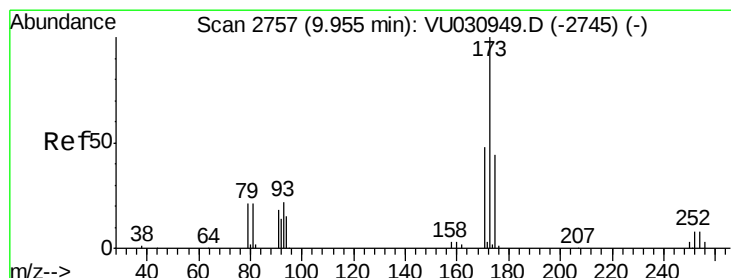
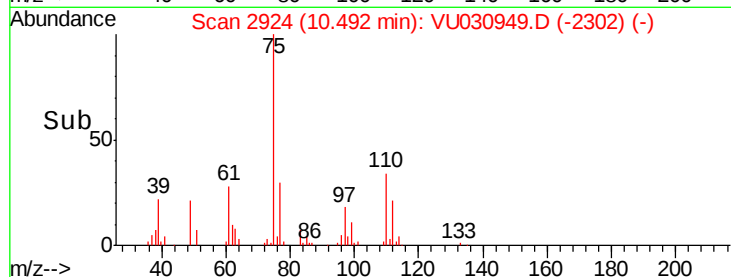
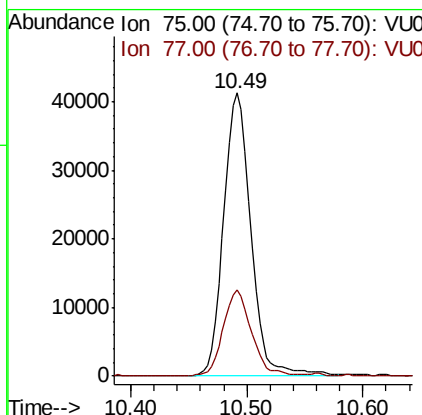
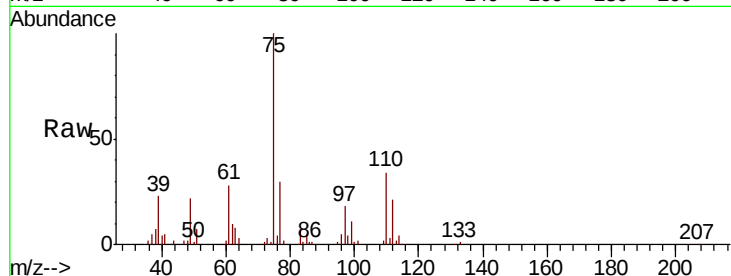




#59
 1,2,3-Trichloropropane
 Concen: 5.151 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

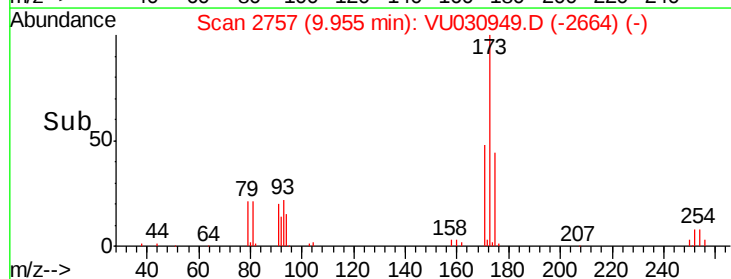
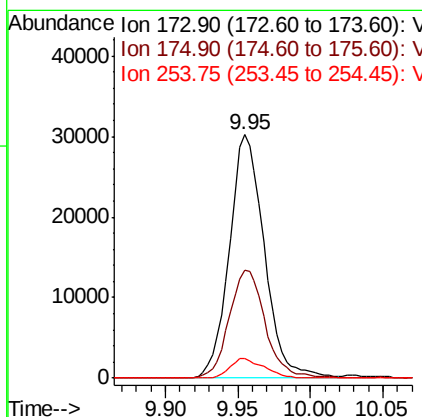
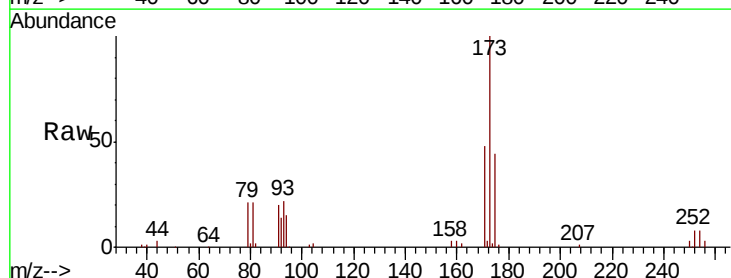
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

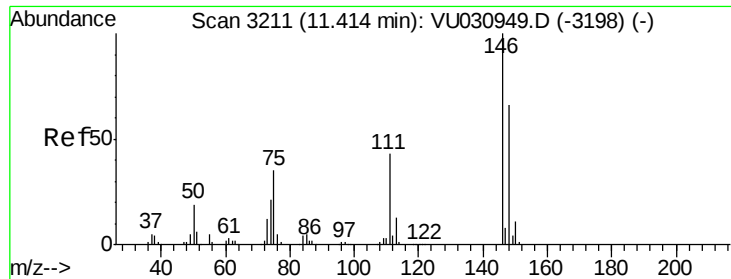
Tot Ion: 75 Resp: 67378
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4



#61
 Bromoform
 Concen: 5.972 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion: 173 Resp: 50658
 Ion Ratio Lower Upper
 173 100
 175 45.7 38.6 58.0
 254 7.8 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 4.905 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

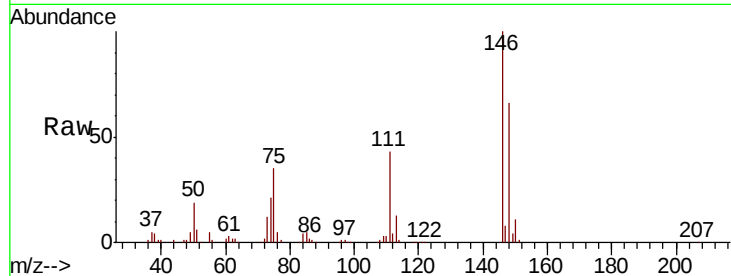
Tot Ion:146 Resp: 173366

Ion Ratio Lower Upper

146 100

111 42.9 28.9 53.7

148 65.8 44.4 82.4

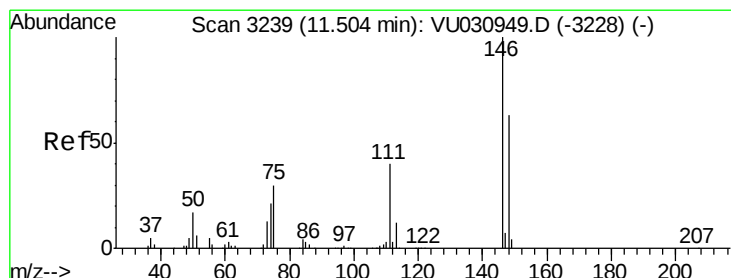
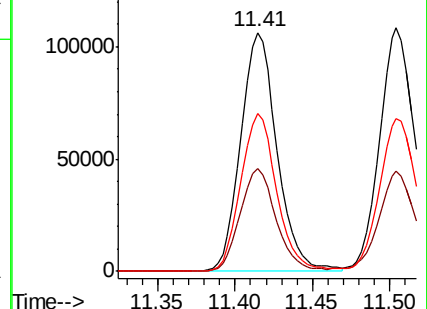
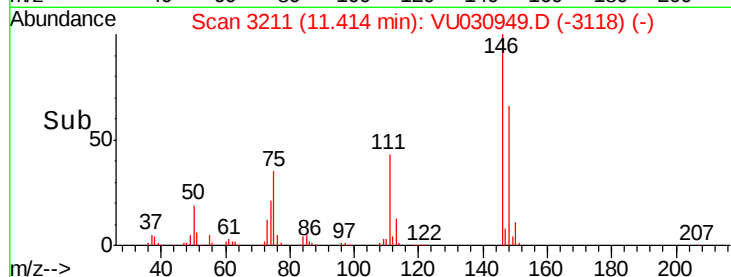


Abundance

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



#63

1,4-Dichlorobenzene

Concen: 4.748 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

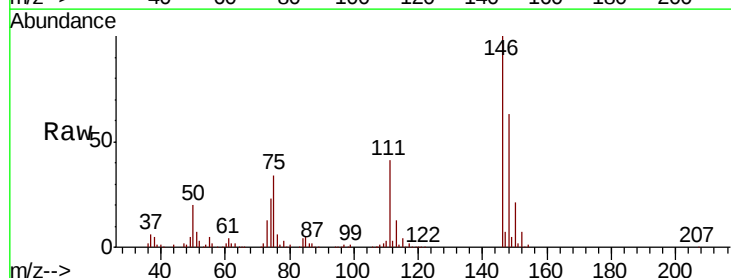
Tgt Ion:146 Resp: 175912

Ion Ratio Lower Upper

146 100

111 41.0 27.9 51.9

148 62.8 45.4 84.4

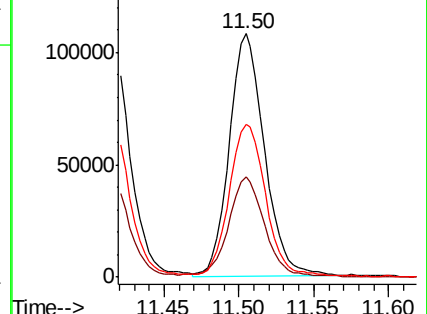
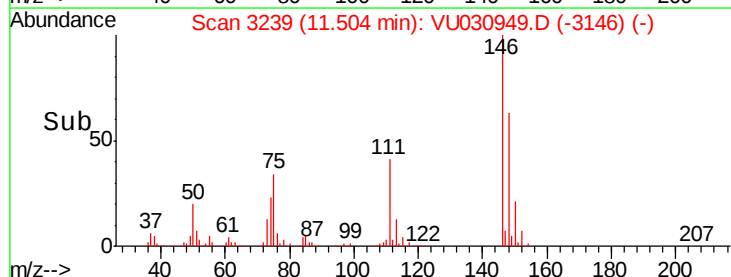


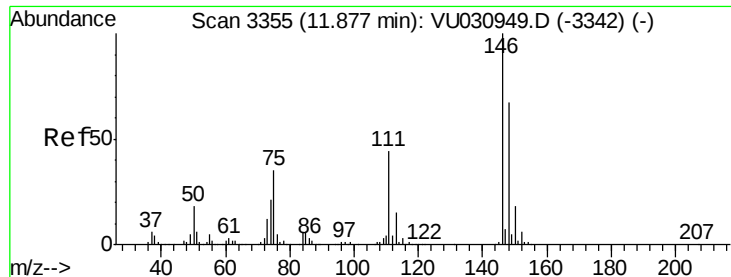
Abundance

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: 5.046 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

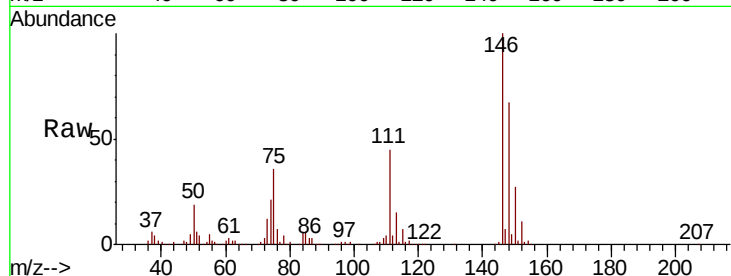
Tot Ion:146 Resp: 173540

Ion Ratio Lower Upper

146 100

111 44.5 37.1 55.7

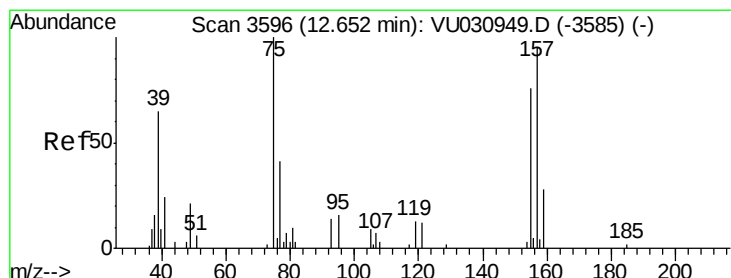
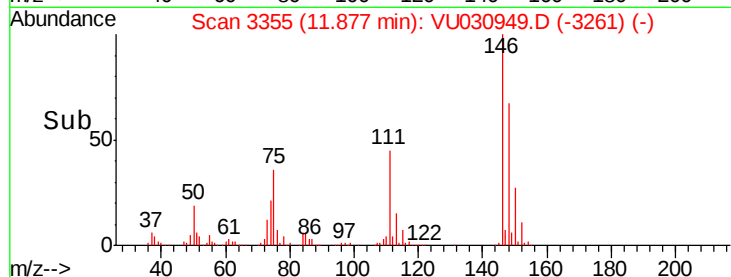
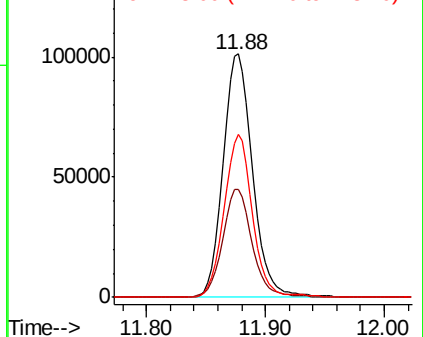
148 67.2 51.8 77.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.232 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

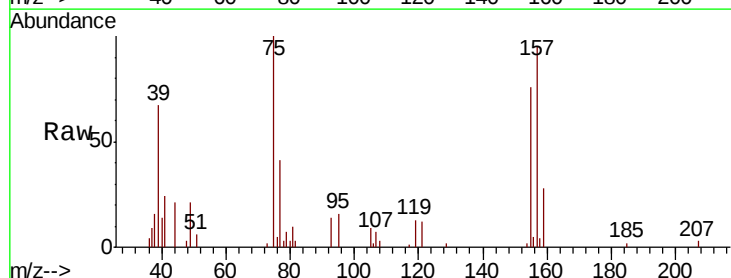
Tgt Ion: 75 Resp: 13922

Ion Ratio Lower Upper

75 100

155 76.1 57.7 86.5

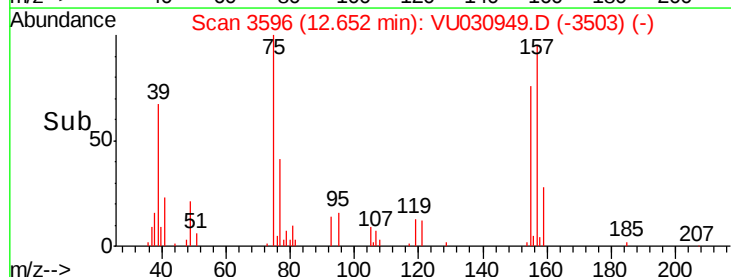
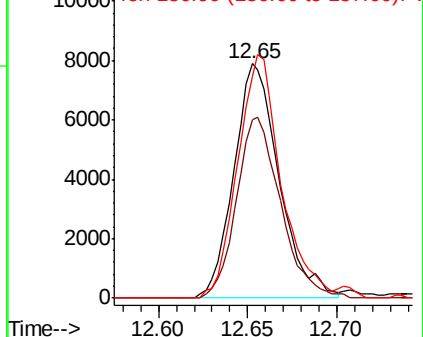
157 94.8 76.9 115.3

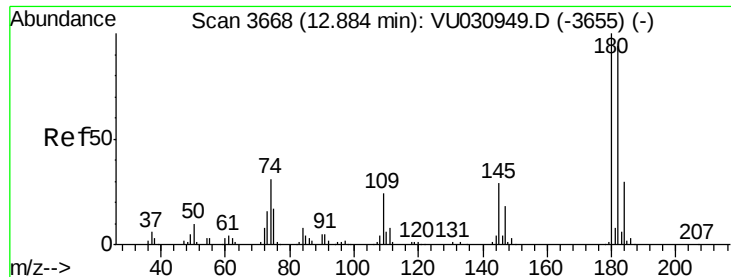


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

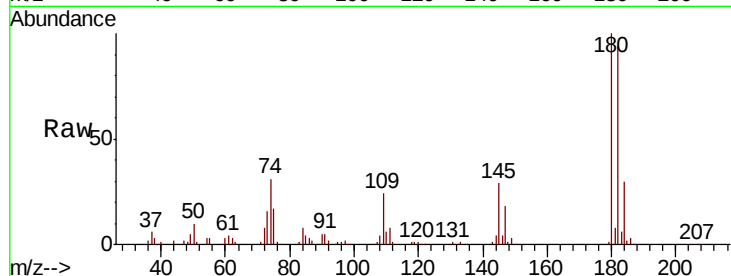




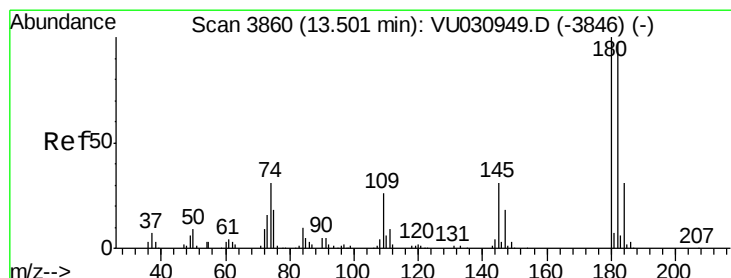
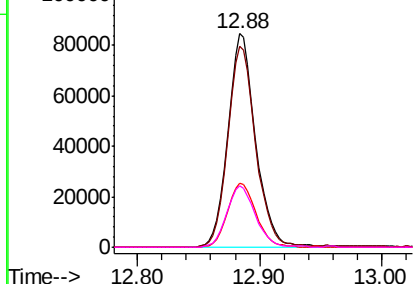
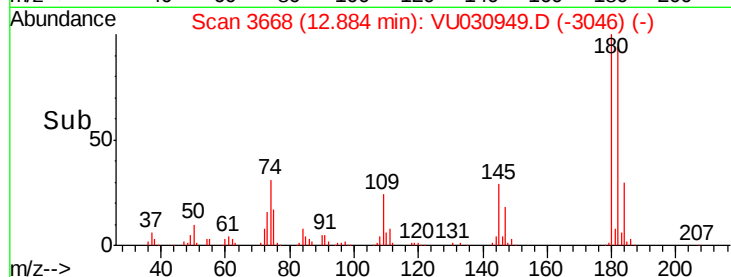
#67
 1,3,5-Trichlorobenzene
 Concen: 5.106 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.2
184	31.1	24.2	36.2
145	29.7	24.1	36.1

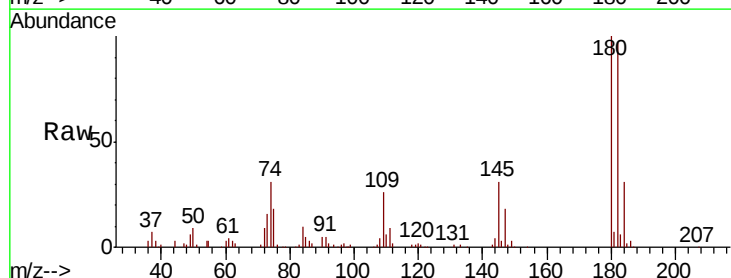


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

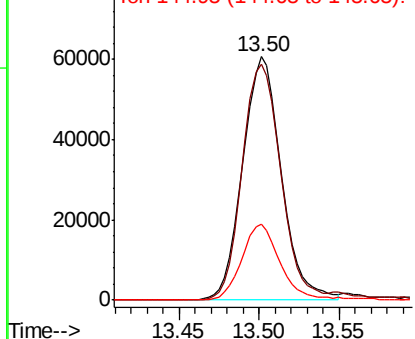
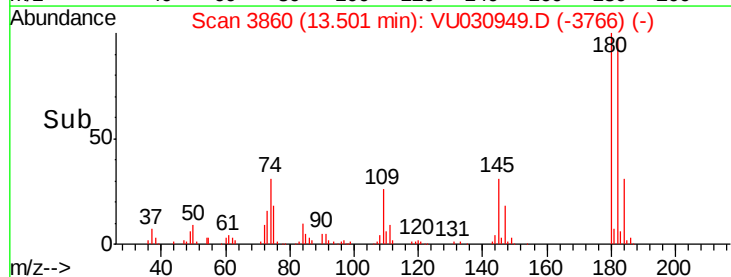


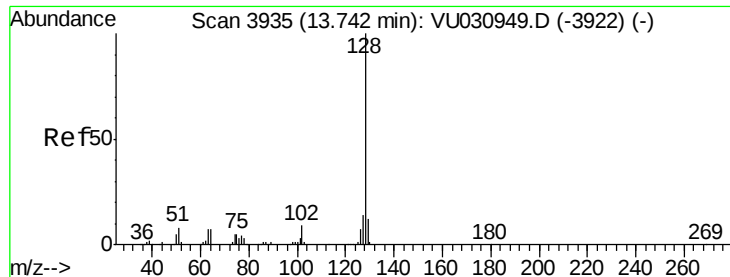
#68
 1,2,4-trichlorobenzene
 Concen: 4.913 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	74.6	111.8
145	30.7	23.6	35.4



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: 4.715 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

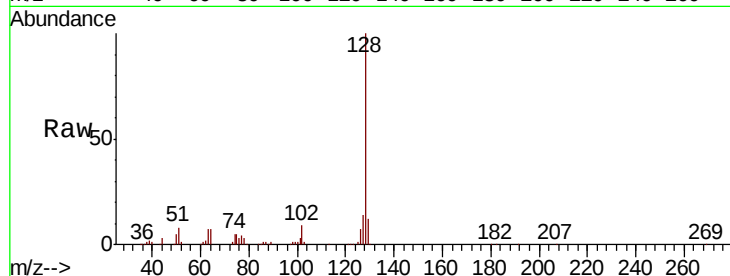
Tot Ion:128 Resp: 154226

Ion Ratio Lower Upper

128 100

129 11.2 8.3 12.5

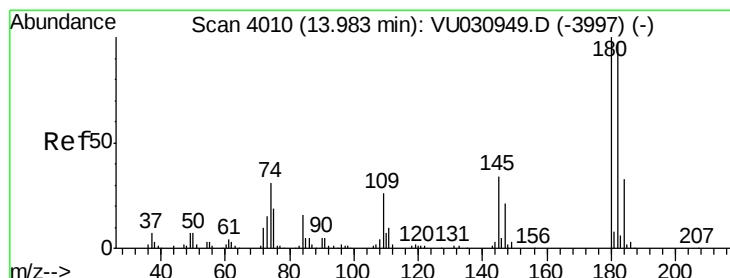
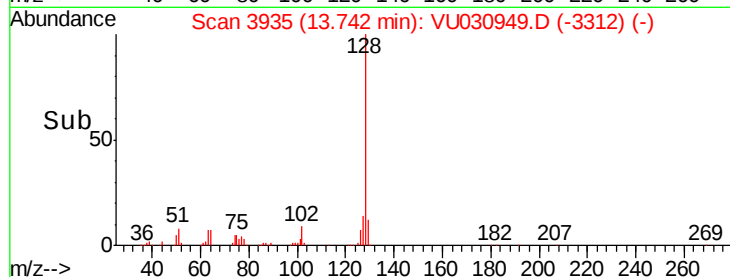
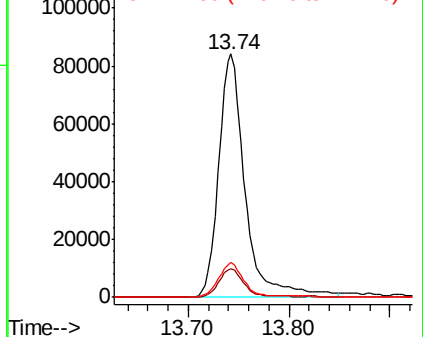
127 13.9 10.5 15.7



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: 5.347 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

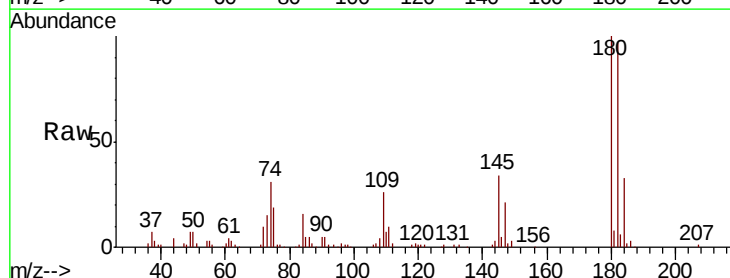
Tgt Ion:180 Resp: 101485

Ion Ratio Lower Upper

180 100

182 94.1 76.8 115.2

145 32.8 26.7 40.1



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

