

Data File : VU032447.D
Acq On : 04 Jun 2019 23:41
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Jun 05 00:20:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	99981	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	94050	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48678	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28828	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.67	69	24045	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.27	63	58756	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.18	46	85222	46.98	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.96%
24) Chloroform-d	4.64	84	55039	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.30	65	28937	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.33	84	106179	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.32	67	33080	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.56	98	100118	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.85	79	13371	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.31	63	71933	46.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	28789	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	41144	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	40958	4.774 ug/L	98
3) Chloromethane	1.32	50	42413	4.767 ug/L	97
5) Vinyl chloride	1.40	62	42669	4.879 ug/L	99
6) Bromomethane	1.61	94	25372	4.756 ug/L	96
8) Chloroethane	1.69	64	24191	4.330 ug/L	100
9) Trichlorofluoromethane	1.88	101	58311	4.659 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	31025	4.663 ug/L	99
12) 1,1-Dichloroethene	2.28	96	29945	4.714 ug/L	92
13) Acetone	2.32	43	61755	43.859 ug/L	100
14) Carbon disulfide	2.47	76	94282	4.635 ug/L	100
15) Methyl Acetate	2.61	43	16631	4.305 ug/L	97
16) Methylene chloride	2.69	84	33016	4.687 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	88988	4.790 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	32528	4.746 ug/L	99
19) 1,1-Dichloroethane	3.43	63	59584	4.857 ug/L	97
21) 2-Butanone	4.27	43	96205	46.978 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	36946	4.763 ug/L	99

Data File : VU032447.D
Acq On : 04 Jun 2019 23:41
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

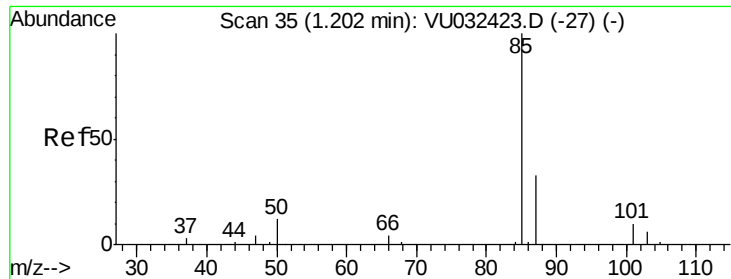
Quant Time: Jun 05 00:20:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	16665	4.992	ug/L	98
25) Chloroform	4.67	83	62358	4.976	ug/L	97
27) 1,2-Dichloroethane	5.40	62	38888	4.721	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	54664	4.770	ug/L	99
30) Cyclohexane	4.98	56	56792	4.689	ug/L	99
31) Carbon tetrachloride	5.12	117	50052	4.803	ug/L	99
33) Benzene	5.38	78	135127	4.873	ug/L	100
34) Trichloroethene	6.18	95	36966	4.635	ug/L	97
35) Methylcyclohexane	6.40	83	58426	4.555	ug/L	100
37) 1,2-Dichloropropane	6.43	63	35046	4.885	ug/L	100
38) Bromodichloromethane	6.75	83	44414	4.816	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	52098	4.730	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	238572	46.727	ug/L	99
42) Toluene	7.63	91	147693	4.779	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	39963	4.544	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	25591	4.903	ug/L	99
47) Tetrachloroethene	8.22	164	30677	4.887	ug/L	97
48) 2-Hexanone	8.36	43	169880	46.561	ug/L	99
49) Dibromochloromethane	8.47	129	32238	4.829	ug/L	99
50) 1,2-Dibromoethane	8.58	107	25442	4.891	ug/L	97
51) Chlorobenzene	9.12	112	95479	4.928	ug/L	99
52) Ethylbenzene	9.24	91	166183	4.879	ug/L	99
53) m,p-Xylene	9.37	106	63927	4.951	ug/L	99
54) o-Xylene	9.77	106	63098	4.896	ug/L	97
55) Styrene	9.79	104	102919	4.855	ug/L	99
56) Isopropylbenzene	10.16	105	165121	4.858	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	32053	4.801	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	23005	4.883	ug/L	99
61) Bromoform	9.95	173	18262	4.669	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	79104	4.978	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	78896	4.884	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	77126	5.023	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	5044	4.679	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	63277	4.969	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	53818	5.241	ug/L	99
69) Naphthalene	13.74	128	95255	5.291	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	50934	4.981	ug/L	98

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

Quant Time: Jun 05 00:20:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:54:09 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.774 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

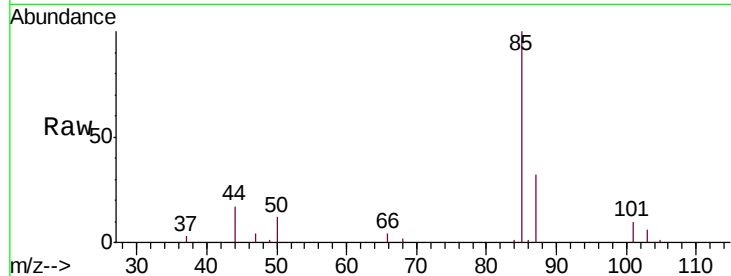
VSTD00520

Tgt Ion: 85 Resp: 40958

Ion Ratio Lower Upper

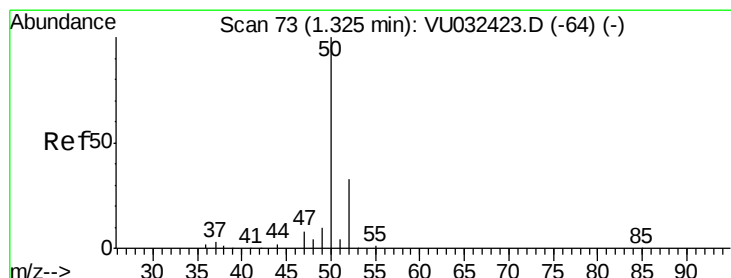
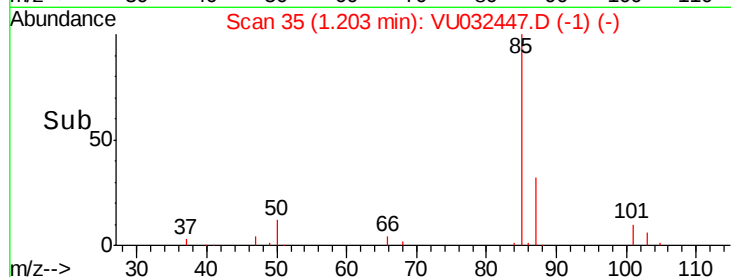
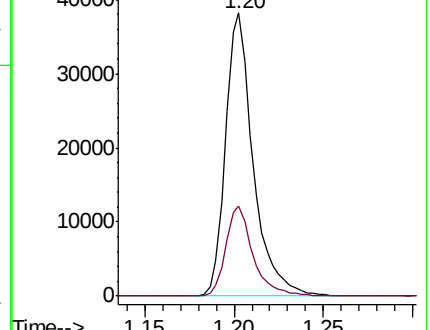
85 100

87 31.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032423.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032423.D (-27) (-)



#3

Chloromethane

Concen: 4.767 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032447.D

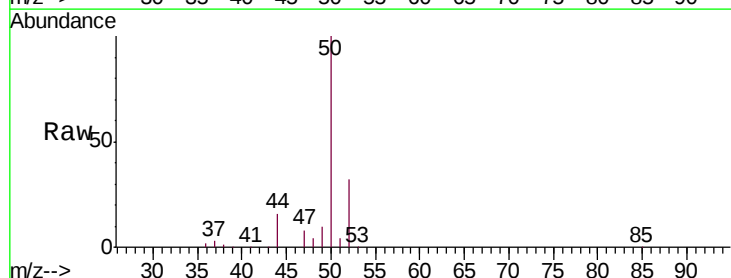
Acq: 04 Jun 2019 23:41

Tgt Ion: 50 Resp: 42413

Ion Ratio Lower Upper

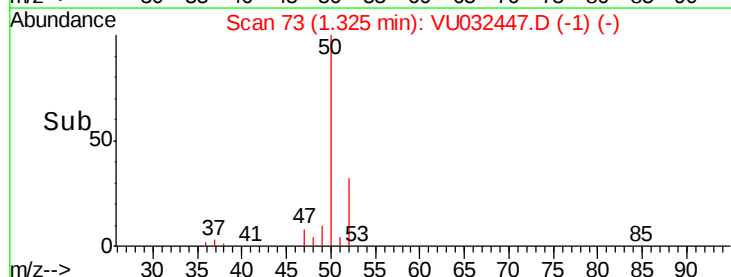
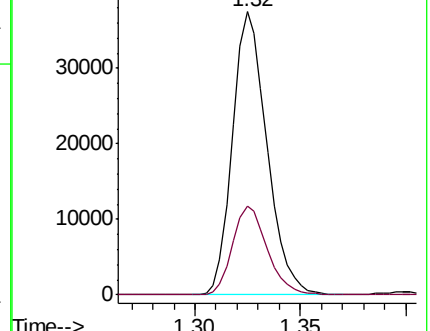
50 100

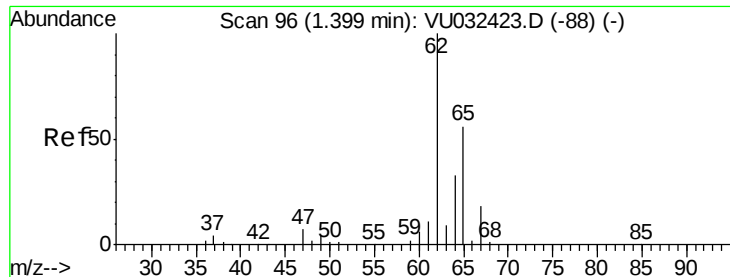
52 31.5 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032423.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032423.D (-64) (-)





#5

Vinyl chloride

Concen: 4.879 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

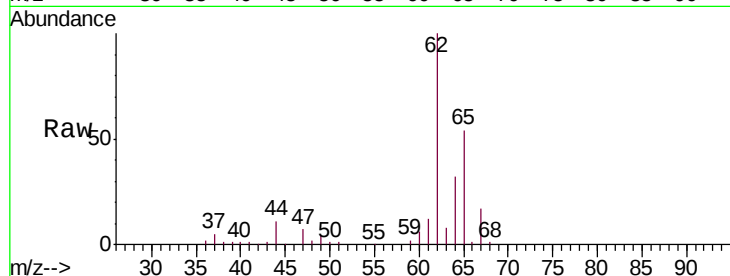
VSTD00520

Tgt Ion: 62 Resp: 42669

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032423.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032423.D (-88) (-)

1.40

40000

30000

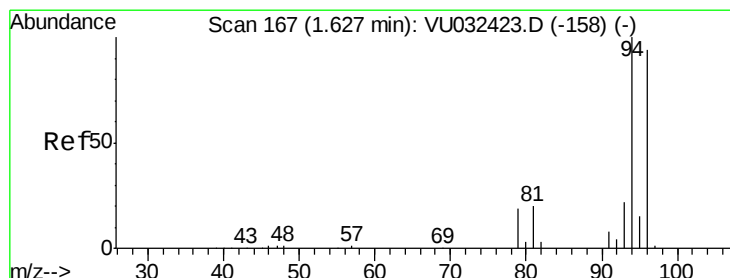
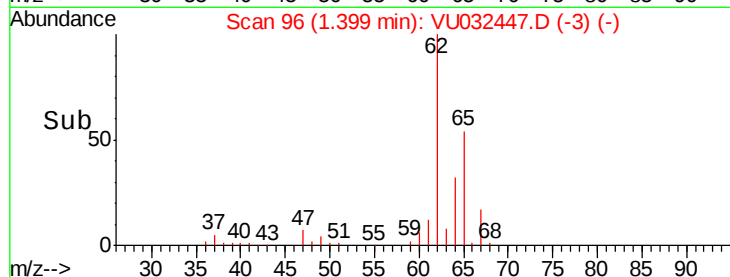
20000

10000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 4.756 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU032447.D

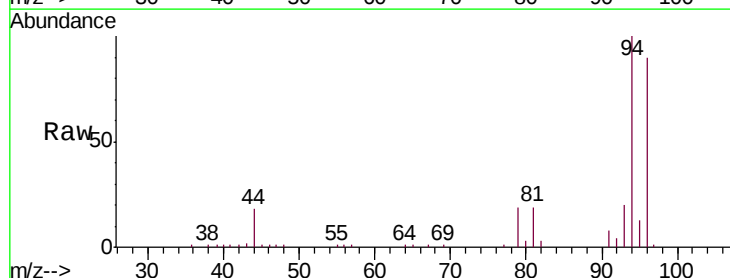
Acq: 04 Jun 2019 23:41

Tgt Ion: 94 Resp: 25372

Ion Ratio Lower Upper

94 100

96 90.0 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032423.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU032423.D (-158) (-)

1.61

25000

20000

15000

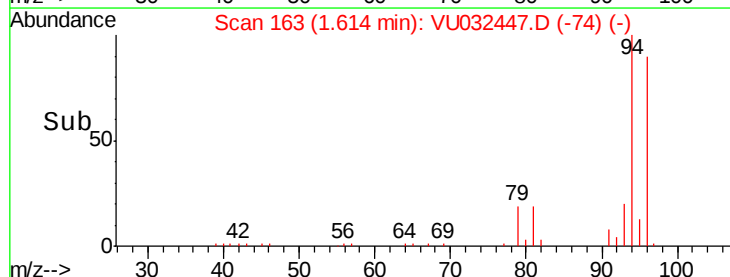
10000

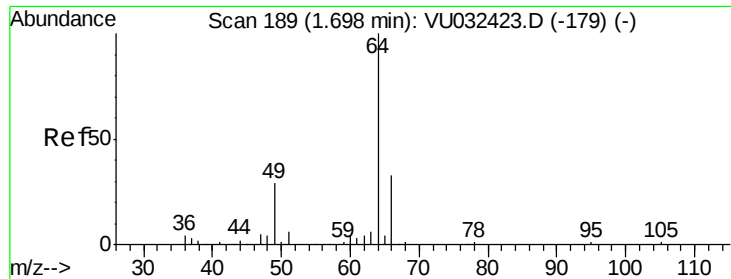
5000

0

Time-->

1.55 1.60 1.65





#8

Chloroethane

Concen: 4.330 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

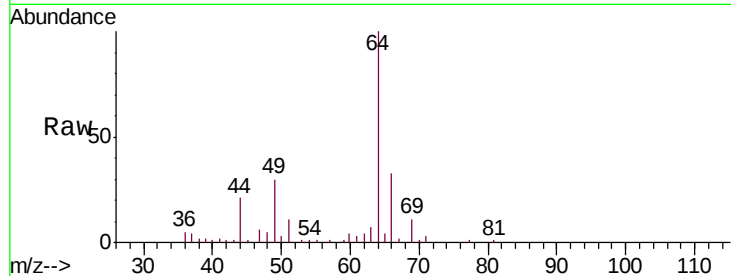
VSTD00520

Tgt Ion: 64 Resp: 24191

Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032423.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU032423.D (-179) (-)

1.69

20000

15000

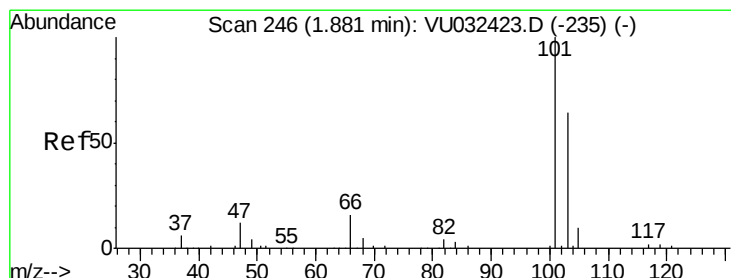
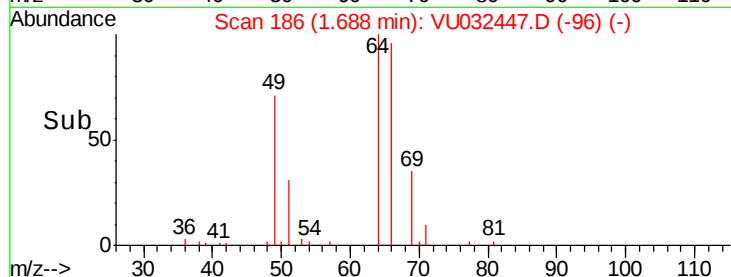
10000

5000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 4.659 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032447.D

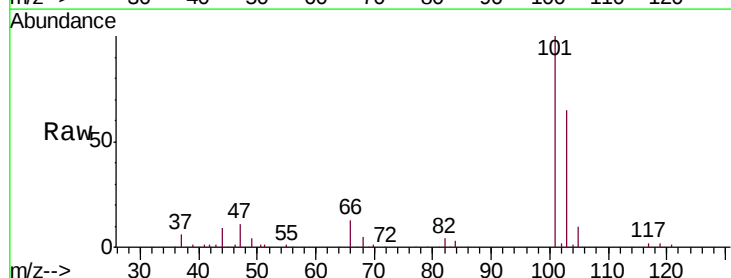
Acq: 04 Jun 2019 23:41

Tgt Ion: 101 Resp: 58311

Ion Ratio Lower Upper

101 100

103 64.9 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032423.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032423.D (-235) (-)

1.88

50000

40000

30000

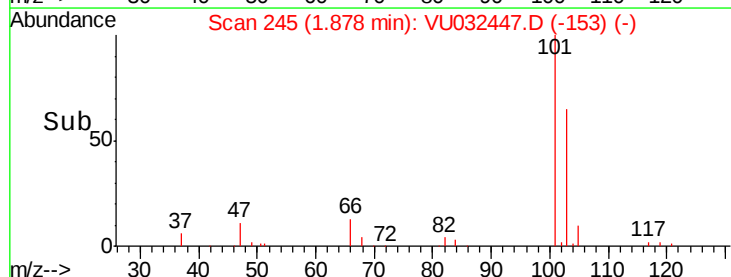
20000

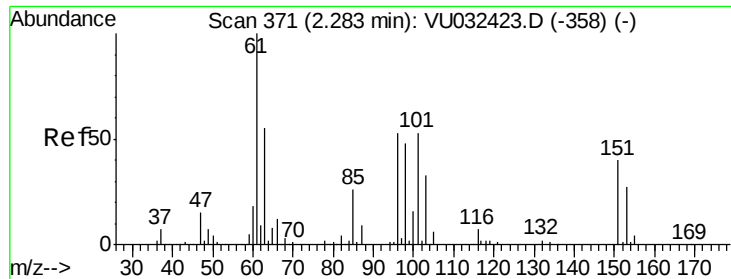
10000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 4.663 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

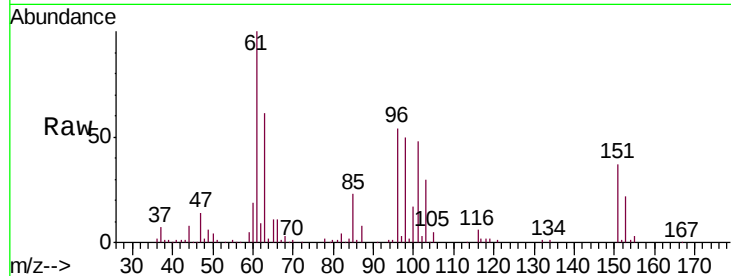
Tgt Ion:101 Resp: 31025

Ion Ratio Lower Upper

101 100

85 47.6 38.9 58.3

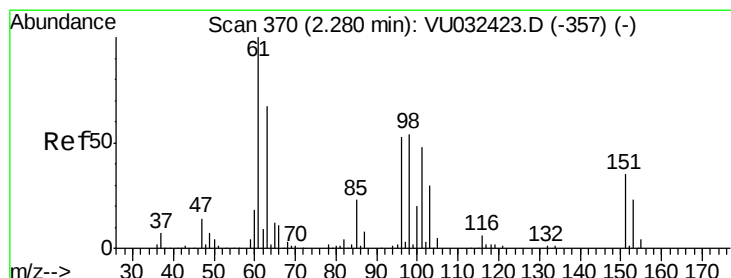
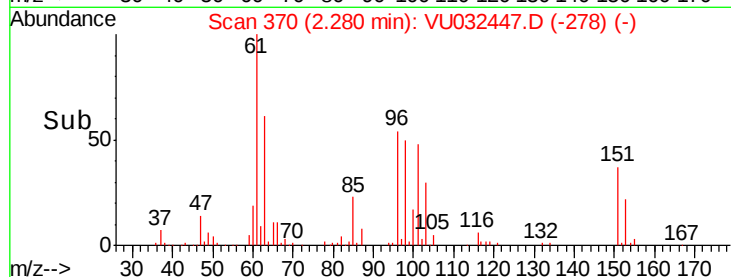
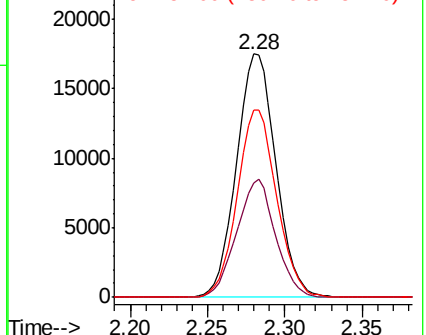
151 77.1 61.0 91.4



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: 4.714 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

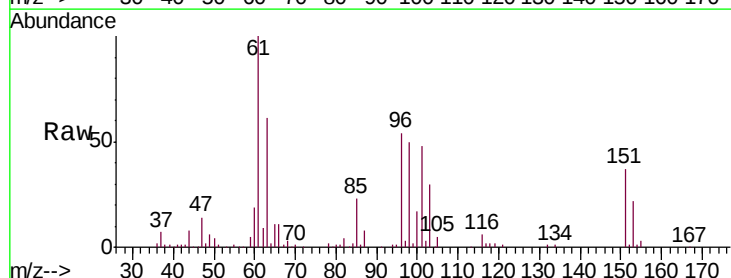
Tgt Ion: 96 Resp: 29945

Ion Ratio Lower Upper

96 100

61 183.5 131.8 244.8

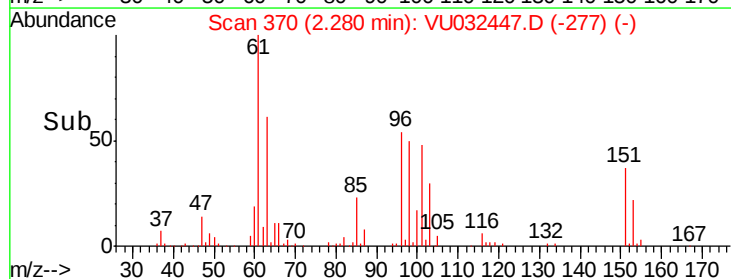
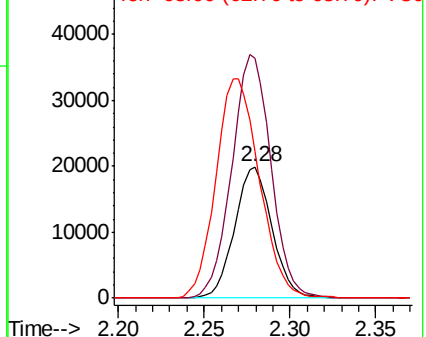
63 111.6 90.1 167.3

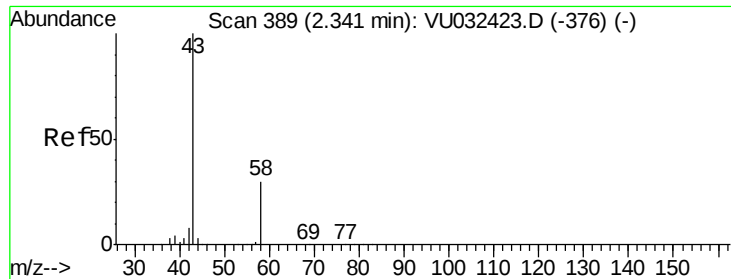


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.859 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.02 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

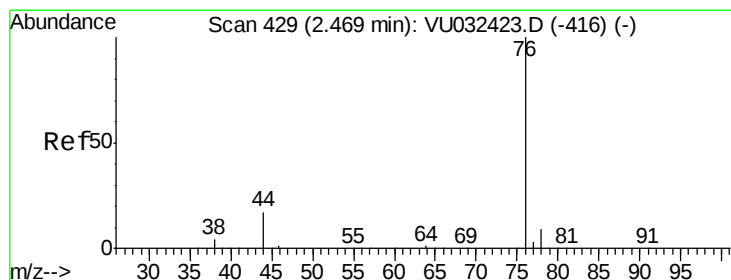
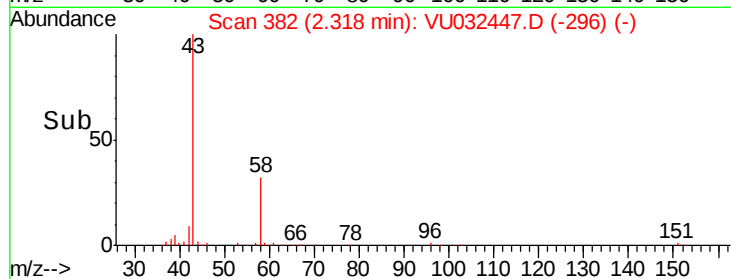
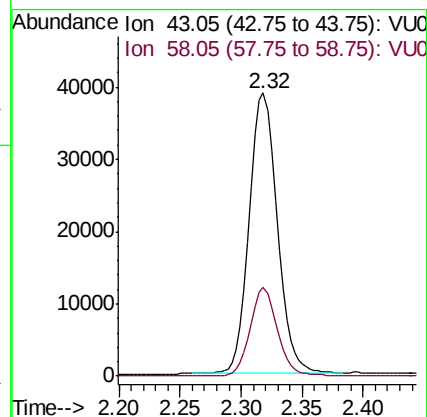
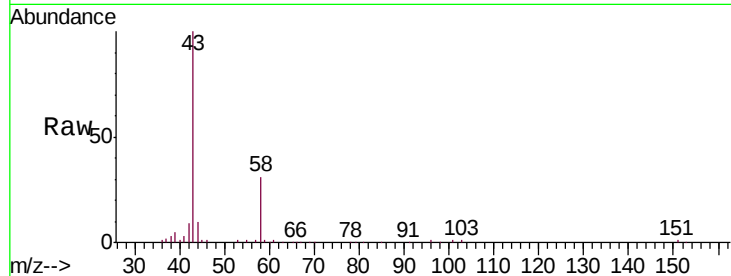
VSTD00520

Tgt Ion: 43 Resp: 61755

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.8



#14

Carbon disulfide

Concen: 4.635 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032447.D

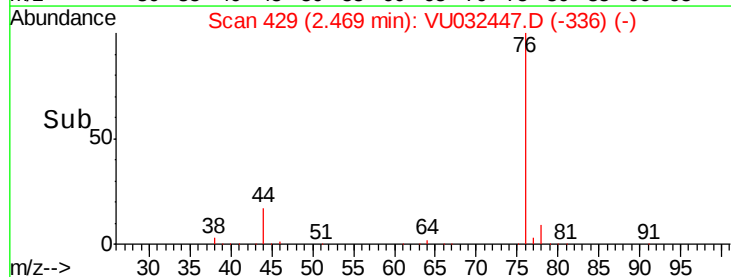
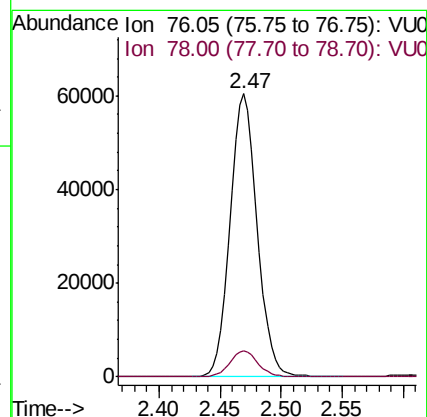
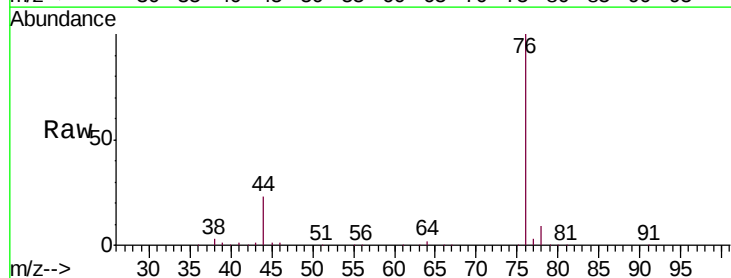
Acq: 04 Jun 2019 23:41

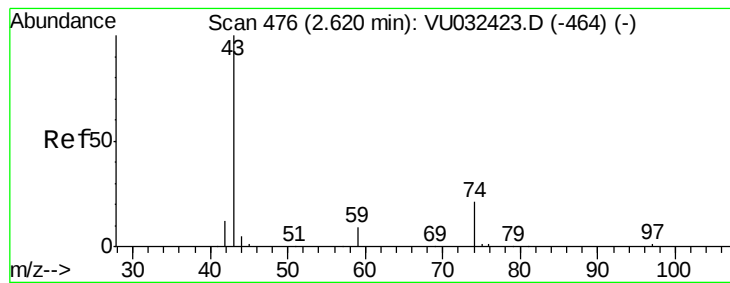
Tgt Ion: 76 Resp: 94282

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methyl Acetate

Concen: 4.305 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.01 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampled :

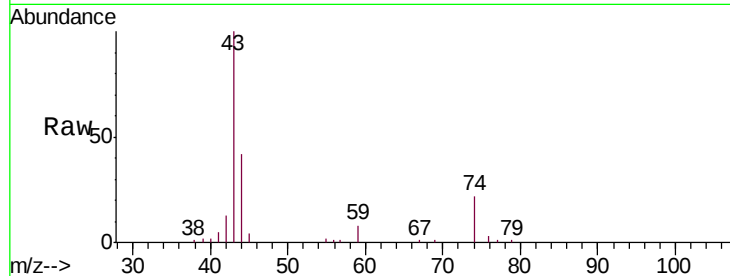
VSTD00520

Tgt Ion: 43 Resp: 16631

Ion Ratio Lower Upper

43 100

74 21.0 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU032447.D (-383) (-)

Ion 74.05 (73.75 to 74.75): VU032447.D (-383) (-)

2.61

10000

8000

6000

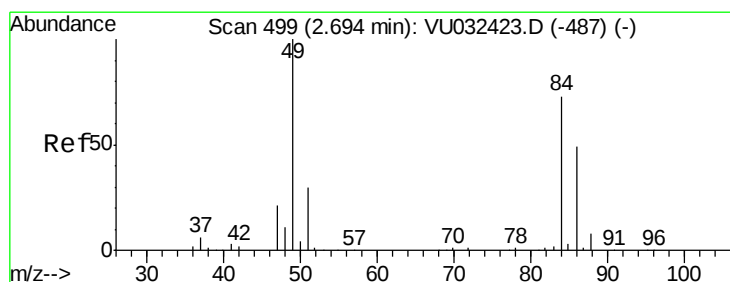
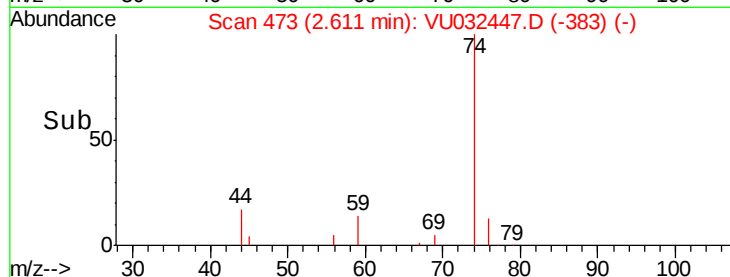
4000

2000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 4.687 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

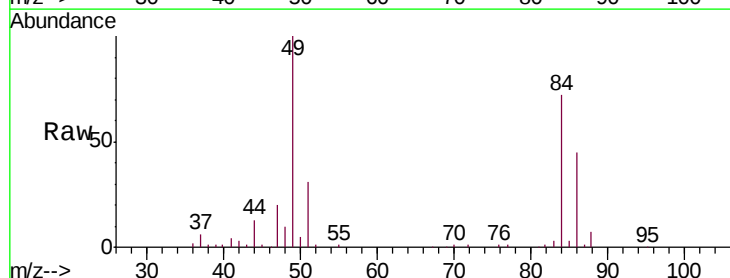
Tgt Ion: 84 Resp: 33016

Ion Ratio Lower Upper

84 100

86 62.7 47.2 87.6

49 138.4 95.9 178.1



Abundance Ion 84.05 (83.75 to 84.75): VU032447.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032447.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU032447.D (-406) (-)

2.69

30000

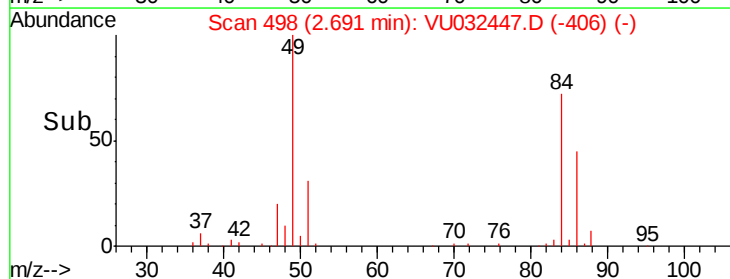
20000

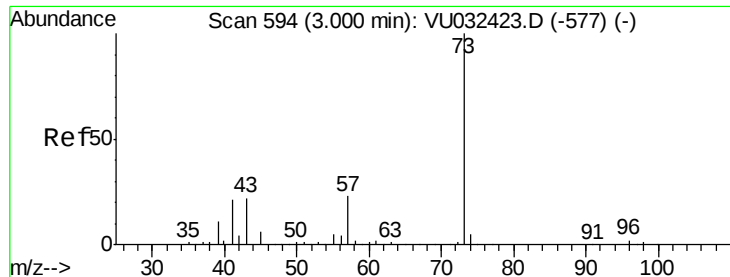
10000

0

Time-->

2.60 2.65 2.70 2.75

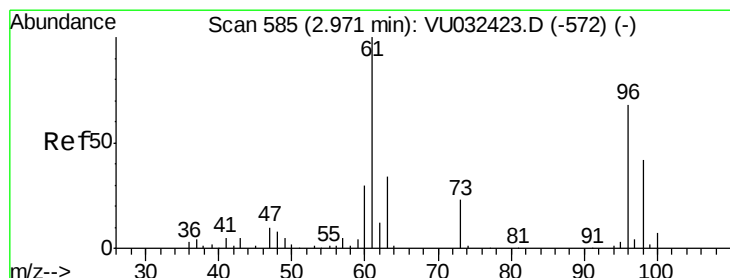
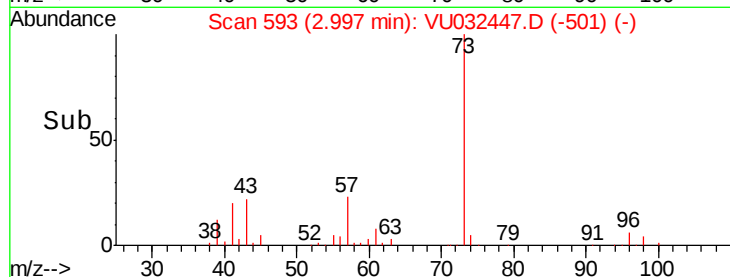
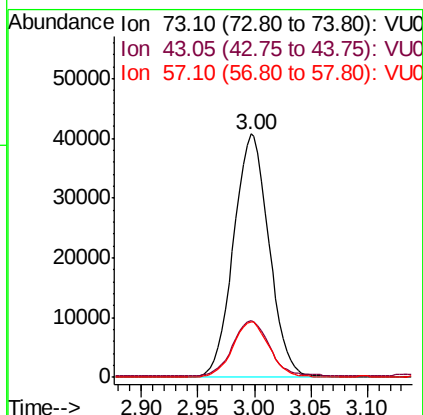
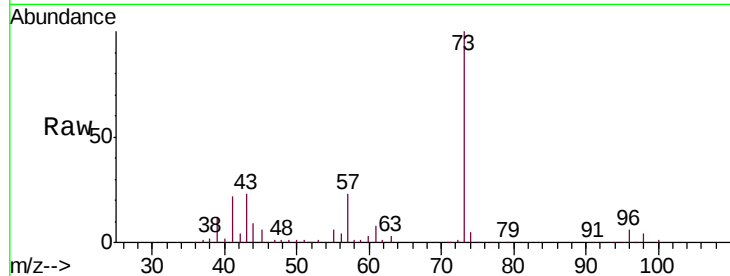




#17
Methyl tert-butyl Ether
Concen: 4.790 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

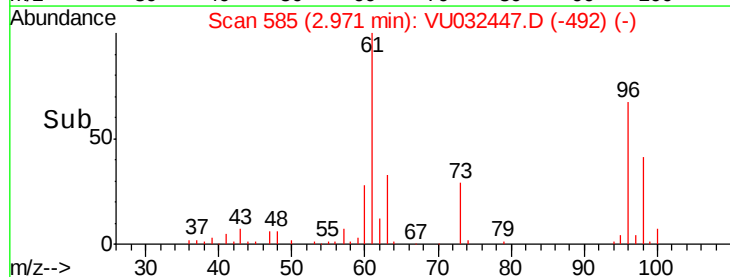
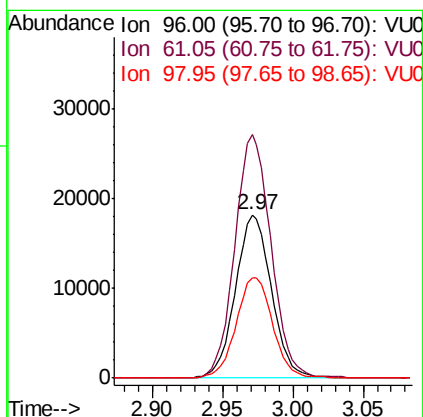
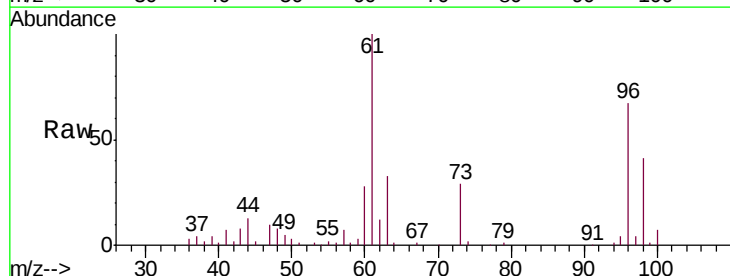
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

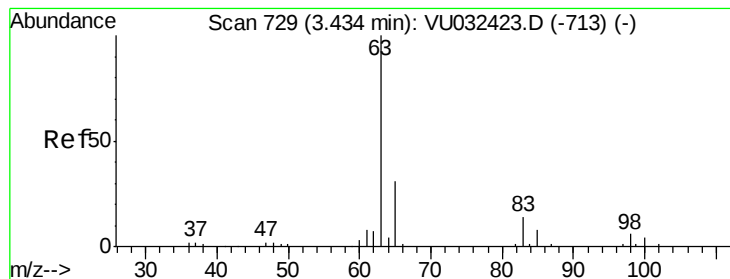
Tgt Ion: 73 Resp: 88988
Ion Ratio Lower Upper
73 100
43 23.2 18.6 27.8
57 23.6 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.746 ug/L
RT: 2.97 min Scan# 585
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Tgt Ion: 96 Resp: 32528
Ion Ratio Lower Upper
96 100
61 149.4 103.1 191.5
98 61.8 43.7 81.1





#19

1,1-Dichloroethane

Concen: 4.857 ug/L

RT: 3.43 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

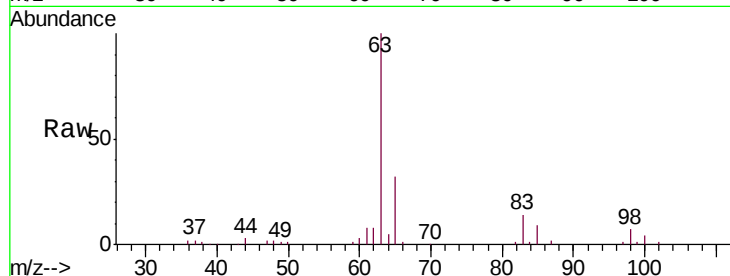
Tgt Ion: 63 Resp: 59584

Ion Ratio Lower Upper

63 100

65 32.4 21.3 39.6

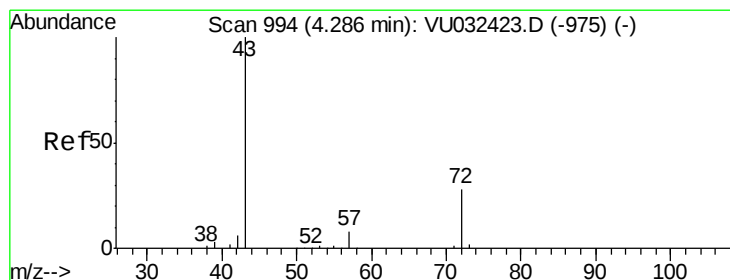
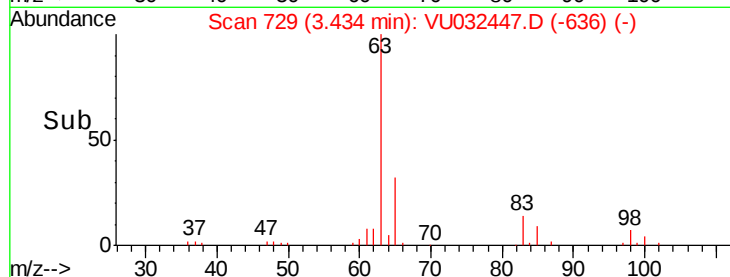
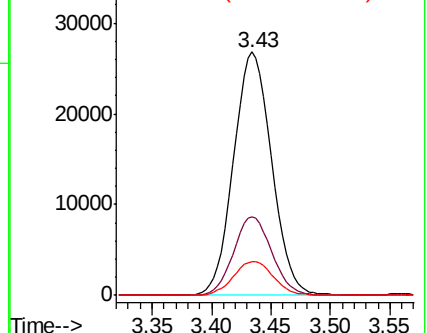
83 13.7 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU032423.D (-713) (-)

Ion 65.10 (64.80 to 65.80): VU032423.D (-713) (-)

Ion 83.05 (82.75 to 83.75): VU032423.D (-713) (-)



#21

2-Butanone

Concen: 46.978 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.02 min

Lab File: VU032447.D

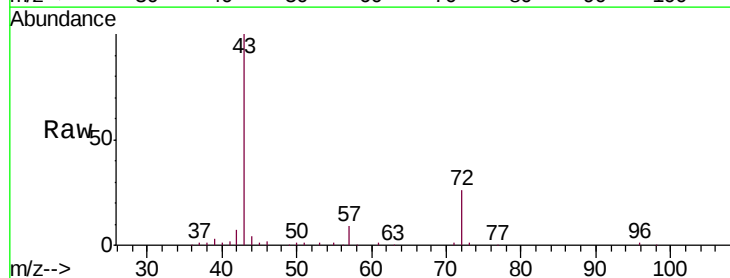
Acq: 04 Jun 2019 23:41

Tgt Ion: 43 Resp: 96205

Ion Ratio Lower Upper

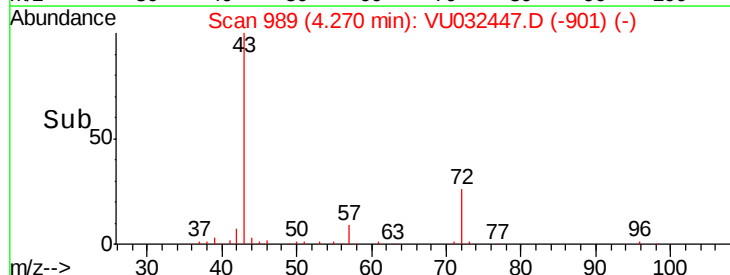
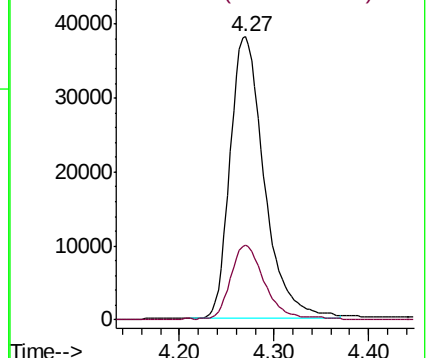
43 100

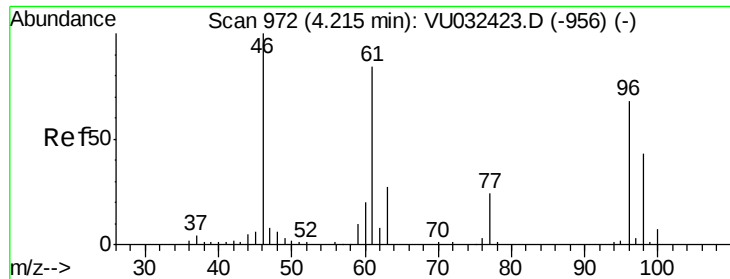
72 26.8 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU032423.D (-975) (-)

Ion 72.10 (71.80 to 72.80): VU032423.D (-975) (-)



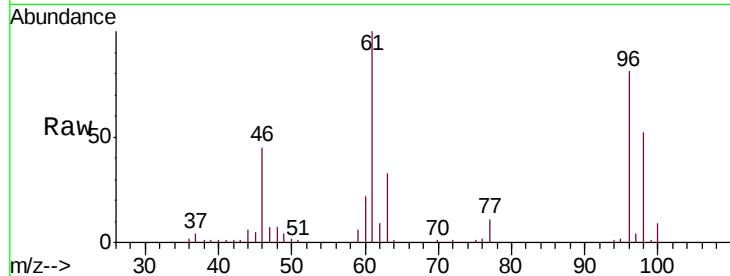


#22

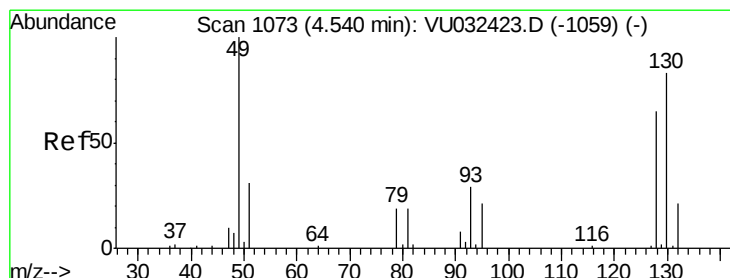
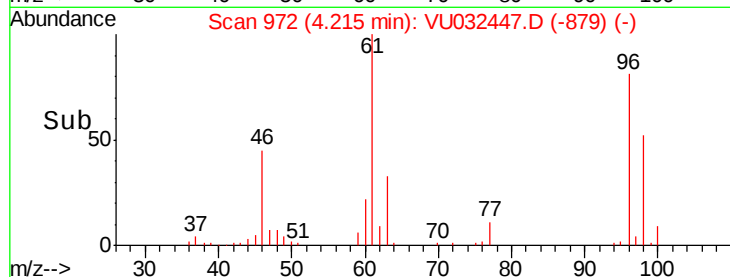
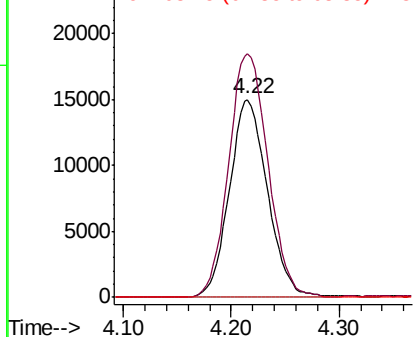
cis-1,2-Dichloroethene
Concen: 4.763 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion: 96 Resp: 36946
Ion Ratio Lower Upper
96 100
61 122.9 86.6 160.8
68 0.0 0.0 0.0



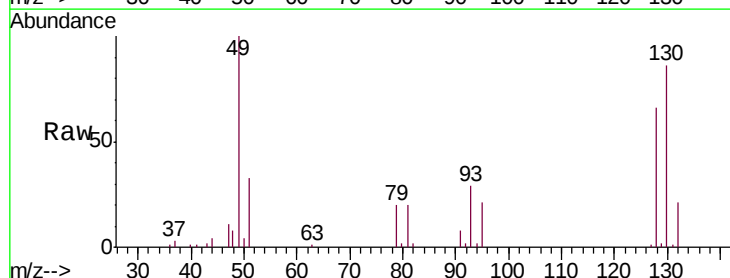
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



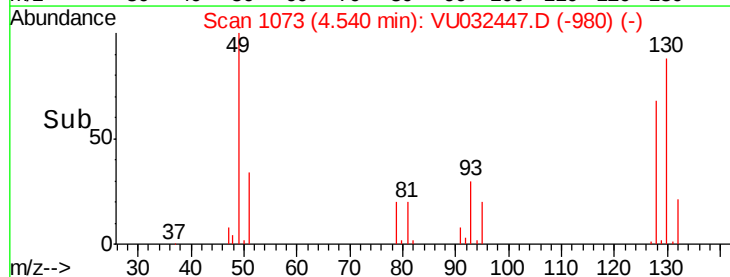
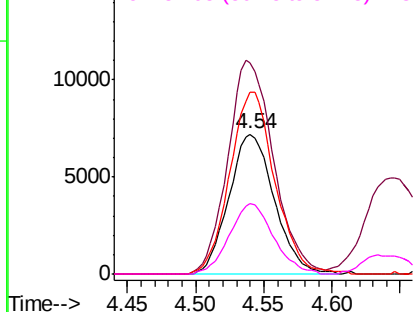
#23

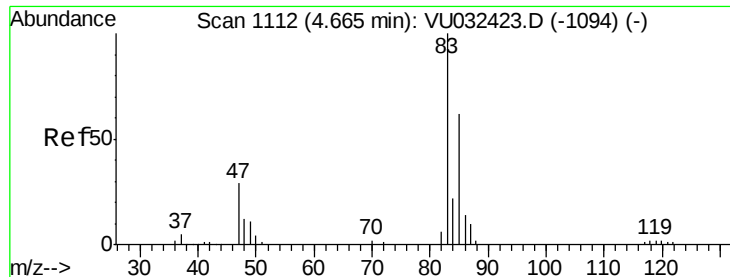
Bromochloromethane
Concen: 4.992 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Tgt Ion: 128 Resp: 16665
Ion Ratio Lower Upper
128 100
49 151.2 107.8 200.2
130 129.4 89.3 165.9
51 50.4 38.2 57.4



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

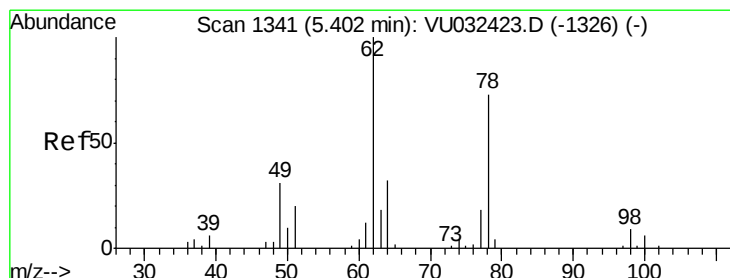
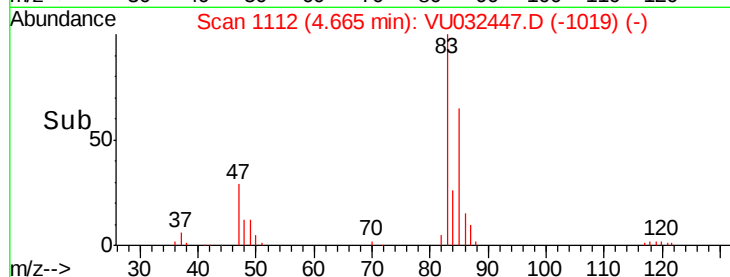
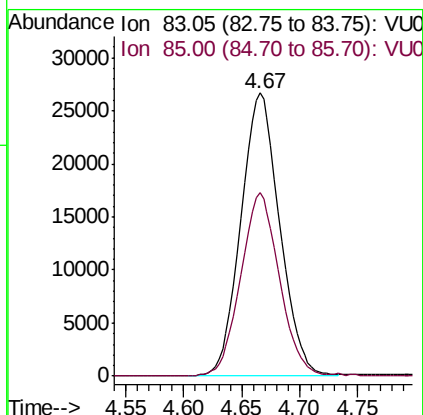
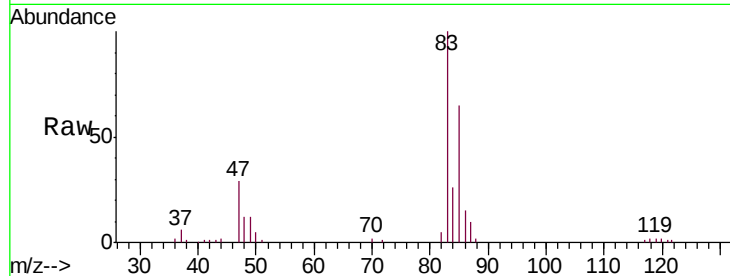




#25
Chloroform
Concen: 4.976 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

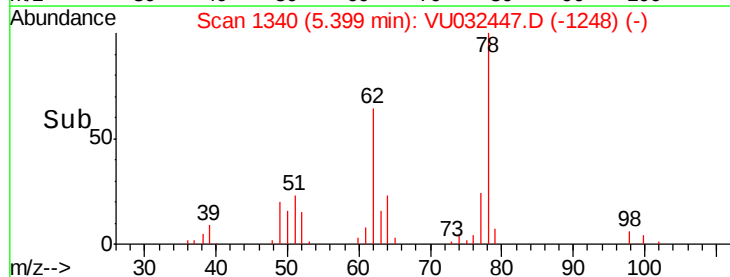
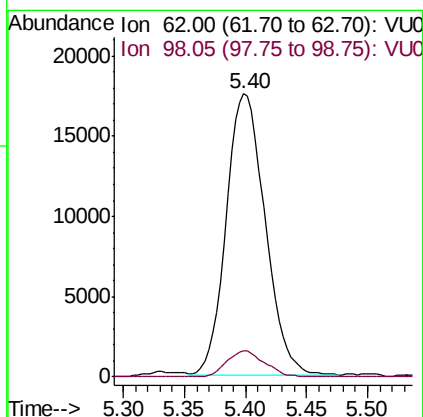
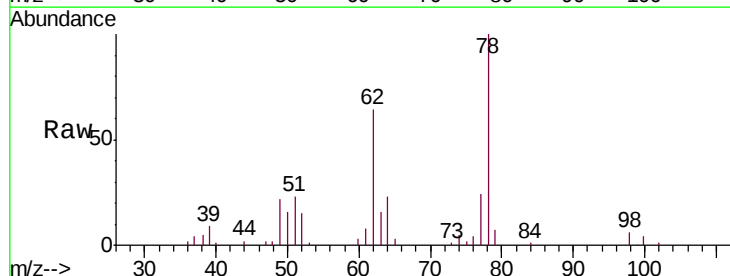
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

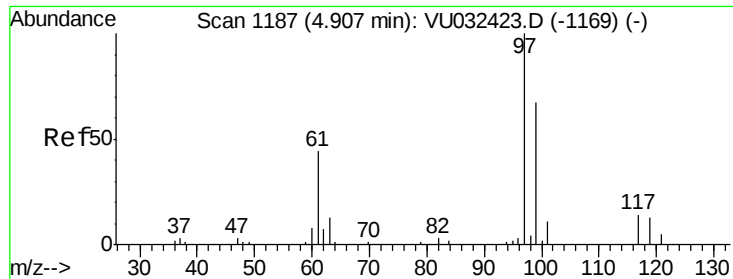
Tgt Ion: 83 Resp: 62358
Ion Ratio Lower Upper
83 100
85 64.7 43.8 81.3



#27
1,2-Dichloroethane
Concen: 4.721 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Tgt Ion: 62 Resp: 38888
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.6

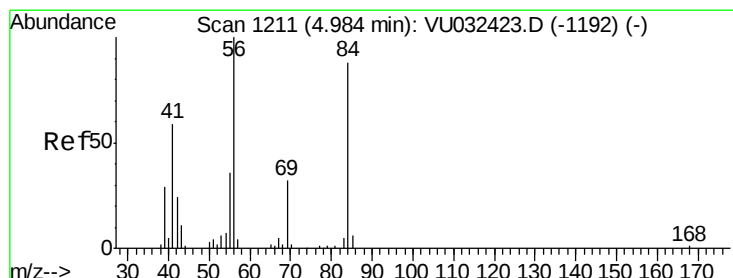
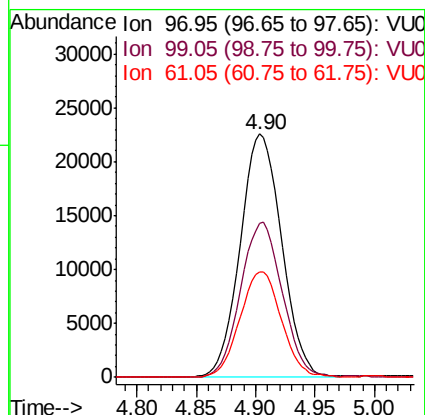
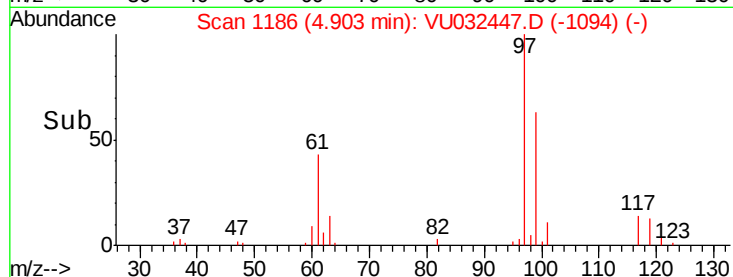
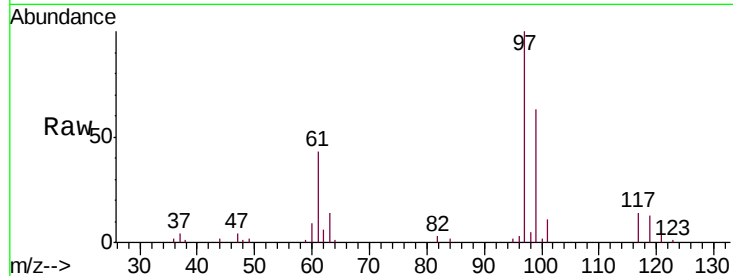




#29
 1,1,1-Trichloroethane
 Concen: 4.770 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

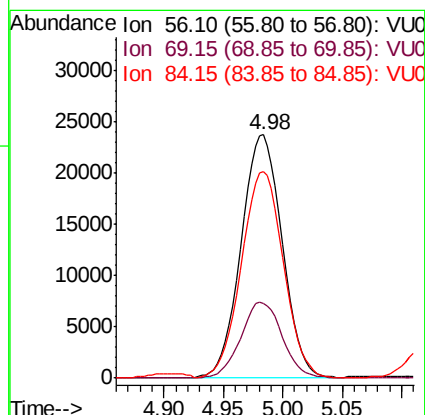
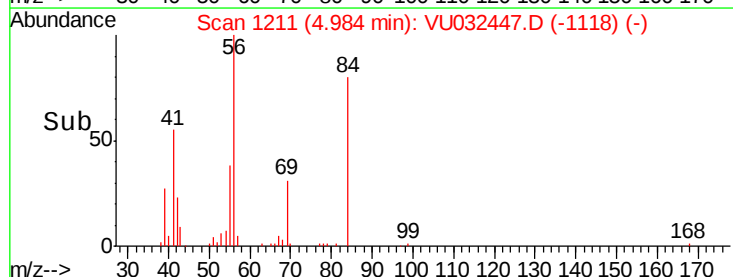
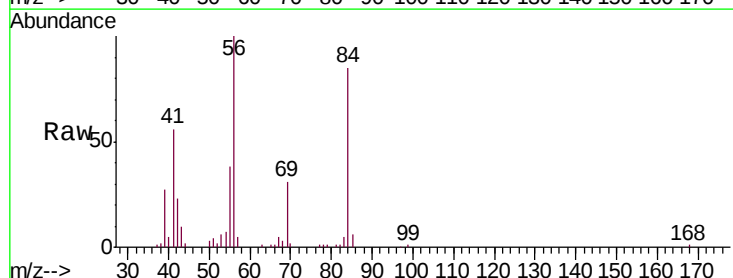
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

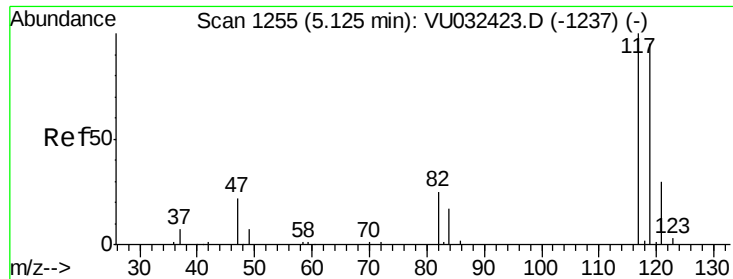
Tgt Ion: 97 Resp: 54664
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.8 77.6
 61 43.4 34.7 52.1



#30
 Cyclohexane
 Concen: 4.689 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

Tgt Ion: 56 Resp: 56792
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.9 37.3
 84 86.9 70.2 105.2





#31

Carbon tetrachloride

Concen: 4.803 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

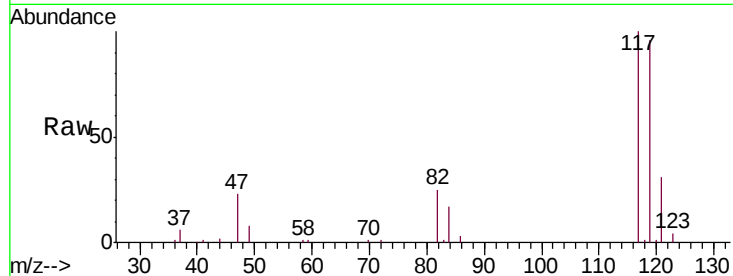
VSTD00520

Tgt Ion:117 Resp: 50052

Ion Ratio Lower Upper

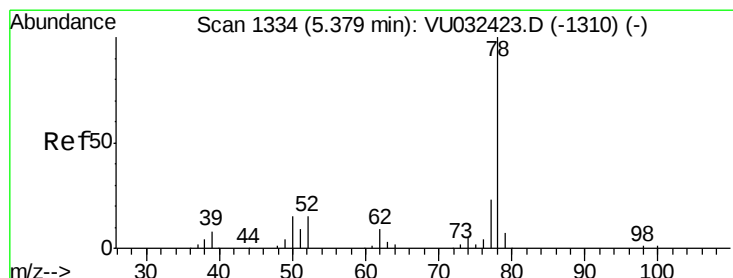
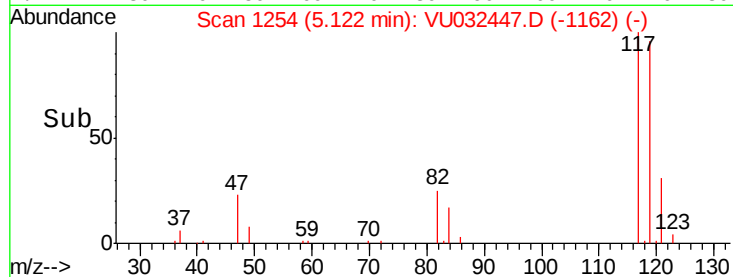
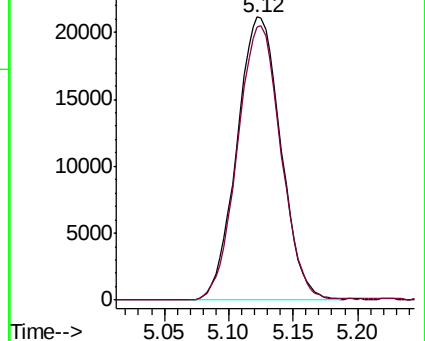
117 100

119 96.2 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.873 ug/L

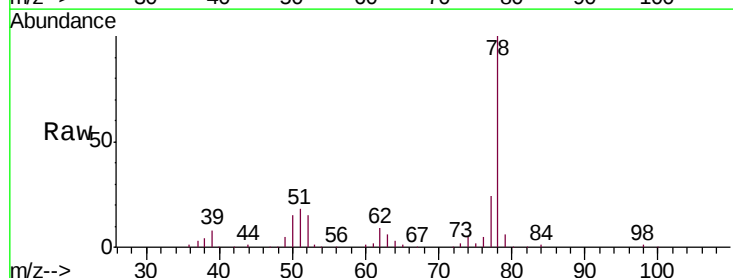
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

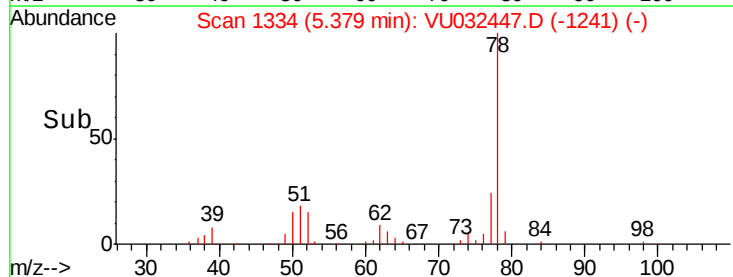
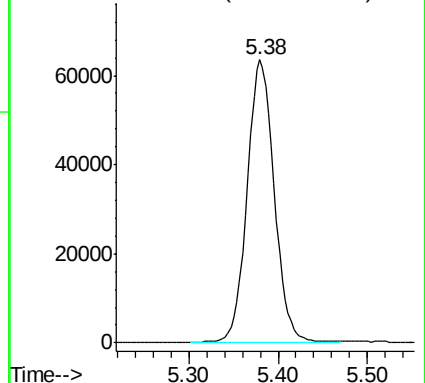
Lab File: VU032447.D

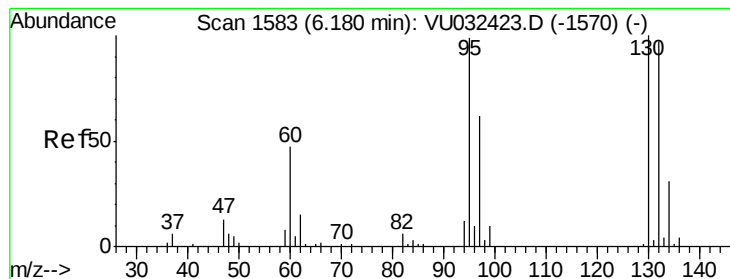
Acq: 04 Jun 2019 23:41

Tgt Ion: 78 Resp: 135127



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.635 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 95 Resp: 36966

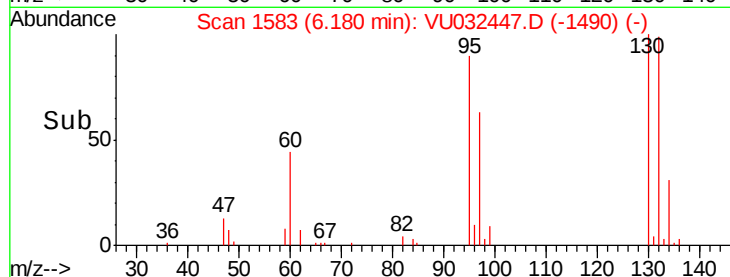
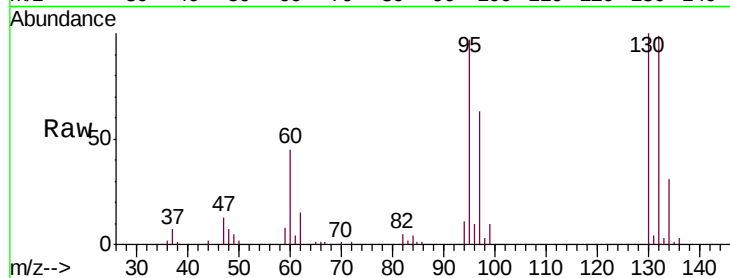
Ion Ratio Lower Upper

95 100

97 65.3 44.1 81.9

132 102.3 68.8 127.8

130 103.5 71.0 131.8

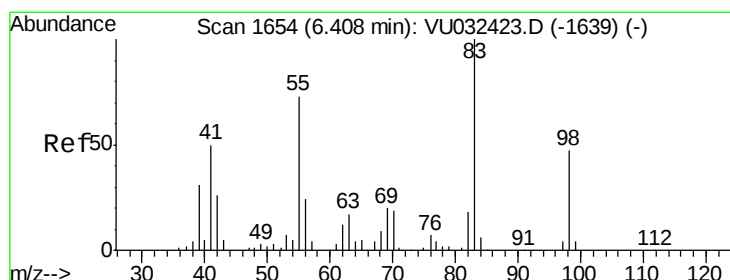
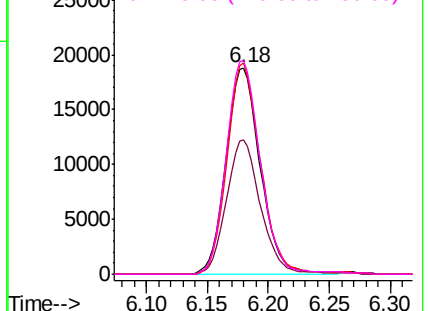


Abundance Ion 95.00 (94.70 to 95.70): VU032447.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032447.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032447.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032447.D (-1490) (-)



#35

Methylcyclohexane

Concen: 4.555 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

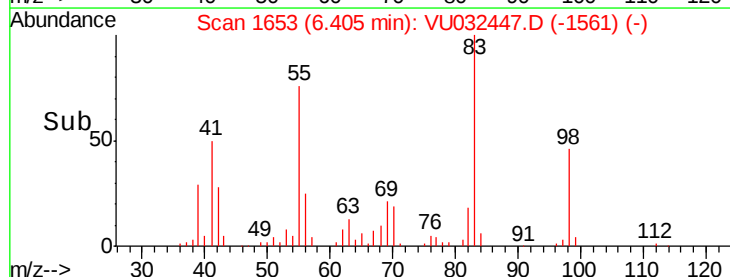
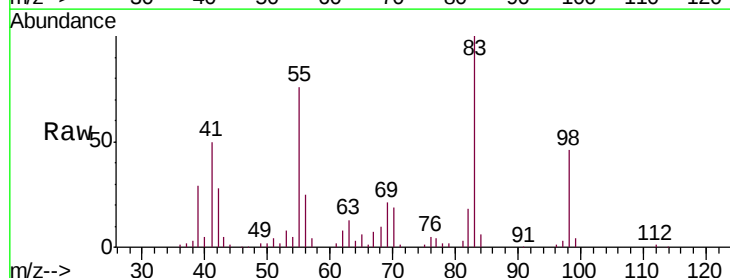
Tgt Ion: 83 Resp: 58426

Ion Ratio Lower Upper

83 100

55 75.3 60.0 90.0

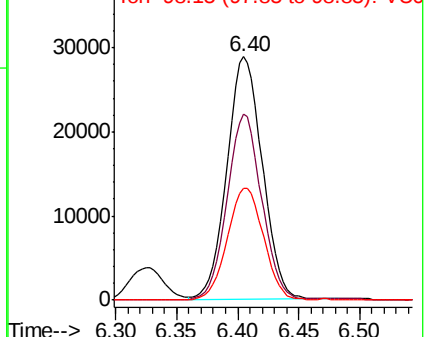
98 47.0 37.8 56.8

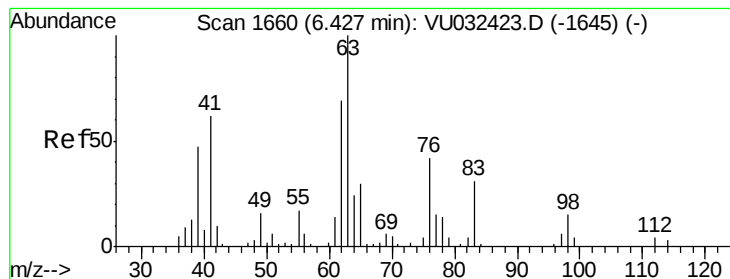


Abundance Ion 83.15 (82.85 to 83.85): VU032447.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032447.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032447.D (-1561) (-)





#37

1,2-Dichloropropane

Concen: 4.885 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

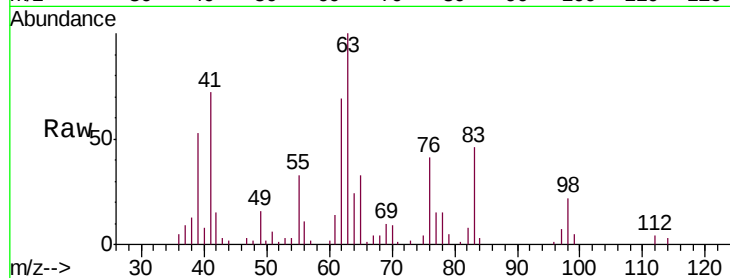
VSTD00520

Tgt Ion: 63 Resp: 35046

Ion Ratio Lower Upper

63 100

112 3.8 2.9 4.3



Abundance Ion 63.10 (62.80 to 63.80): VU032423.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VU032423.D (-1645) (-)

20000

15000

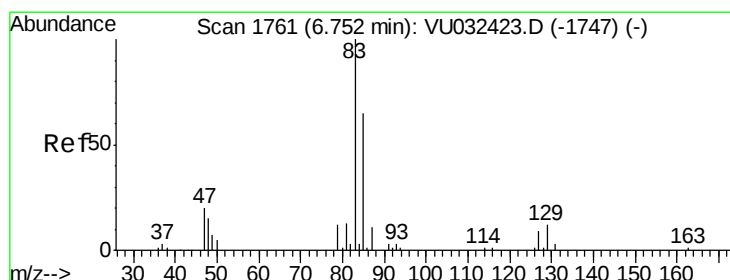
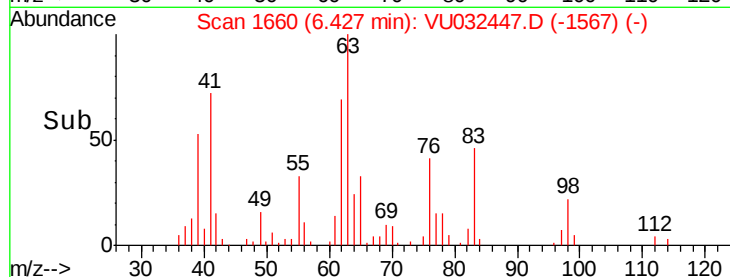
10000

5000

0

6.40 6.43 6.50

Time-->



#38

Bromodichloromethane

Concen: 4.816 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

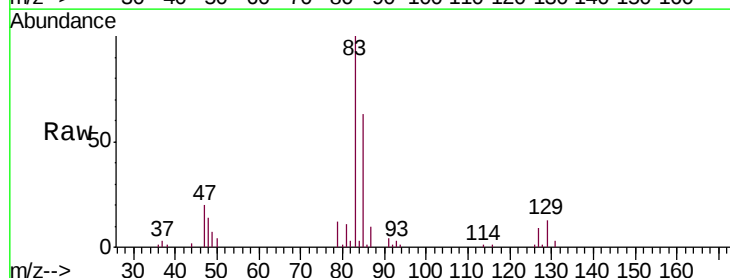
Tgt Ion: 83 Resp: 44414

Ion Ratio Lower Upper

83 100

85 62.8 45.2 84.0

127 9.3 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VU032423.D (-1747) (-)

Ion 85.00 (84.70 to 85.70): VU032423.D (-1747) (-)

Ion 126.90 (126.60 to 127.60): VU032423.D (-1747) (-)

30000

25000

20000

15000

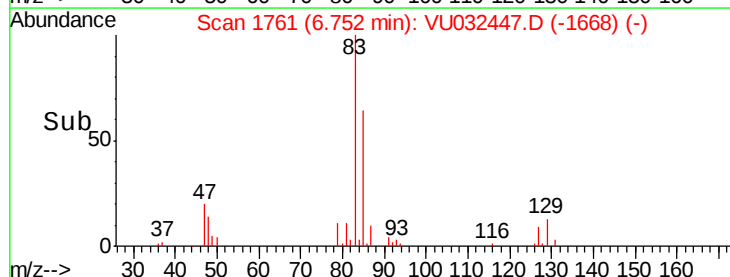
10000

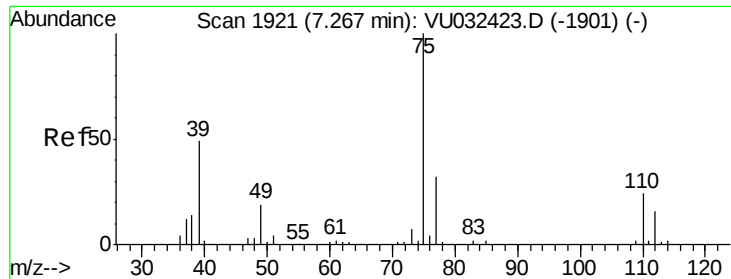
5000

0

6.70 6.75 6.80 6.90

Time-->

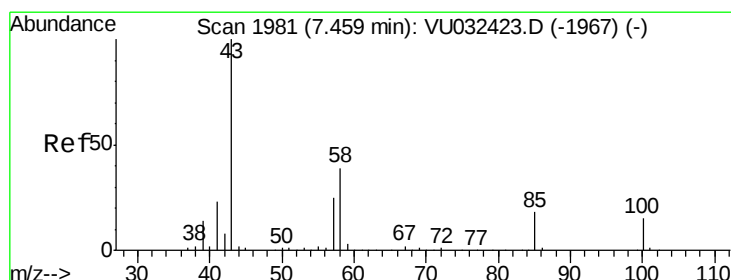
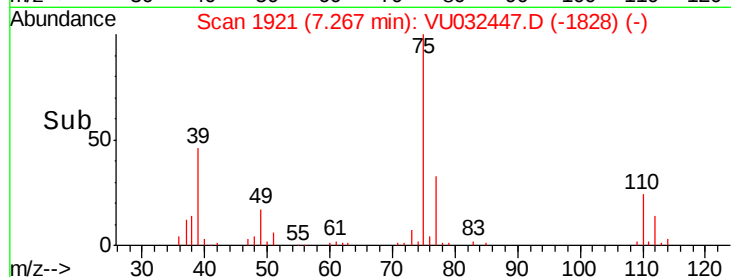
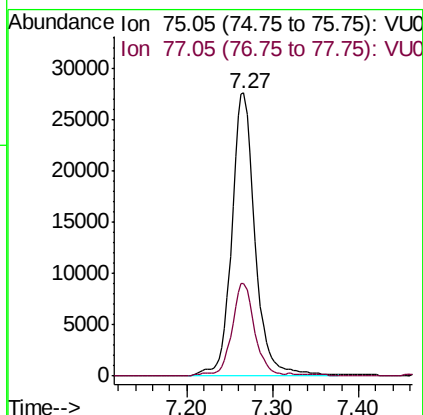
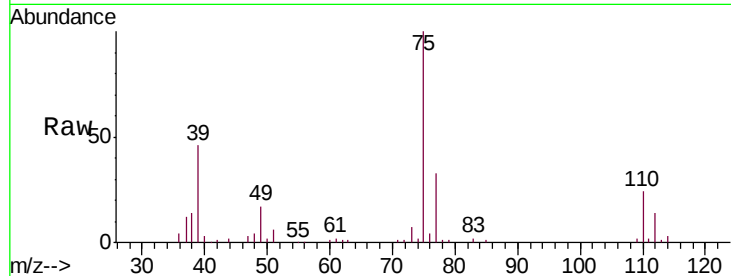




#39
 cis-1,3-Dichloropropene
 Concen: 4.730 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

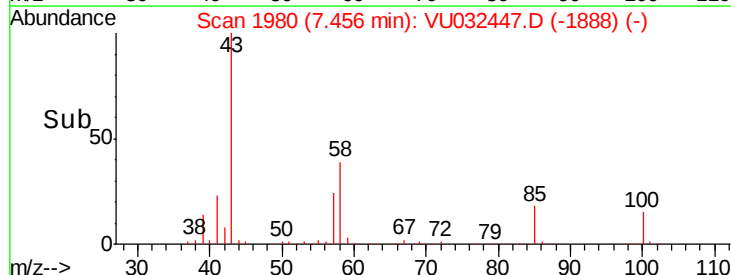
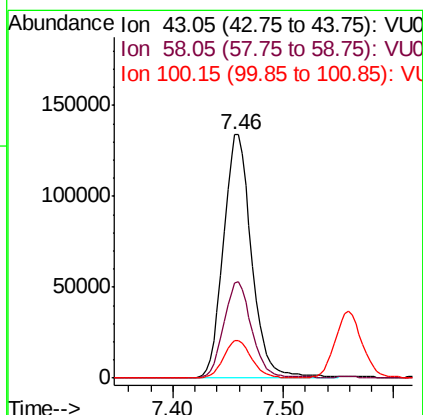
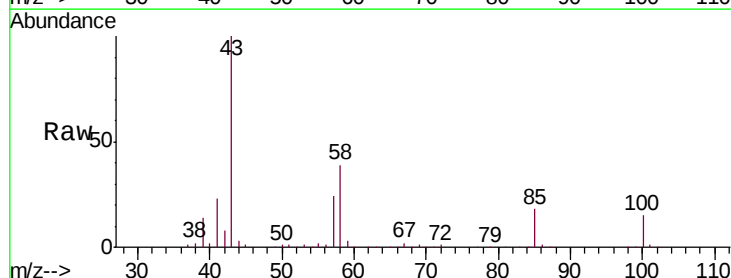
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

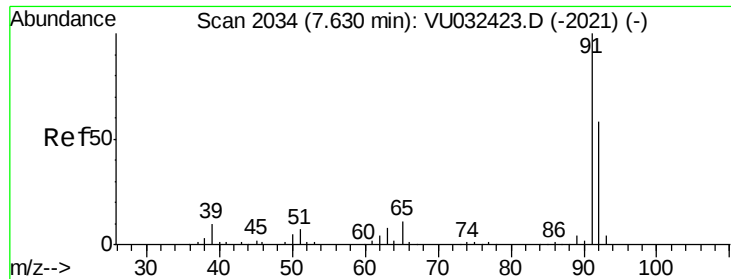
Tgt Ion: 75 Resp: 52098
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 46.727 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

Tgt Ion: 43 Resp: 238572
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.9 46.3
 100 15.3 11.9 17.9





#42

Toluene

Concen: 4.779 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

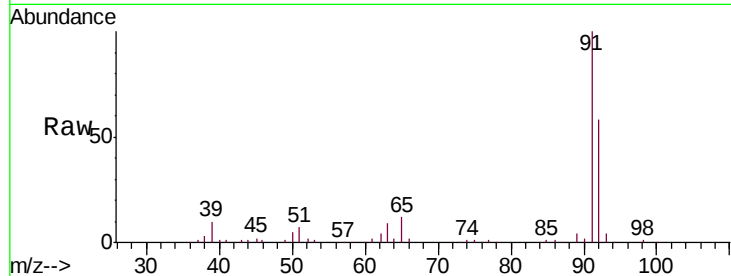
VSTD00520

Tgt Ion: 91 Resp: 147693

Ion Ratio Lower Upper

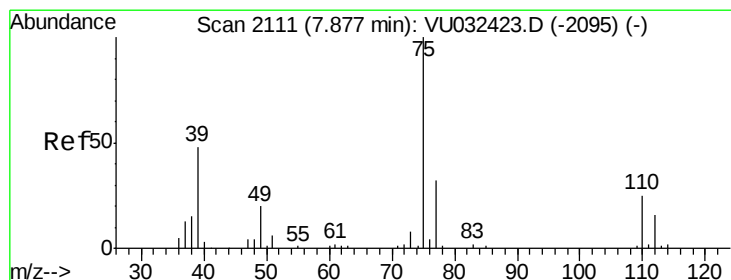
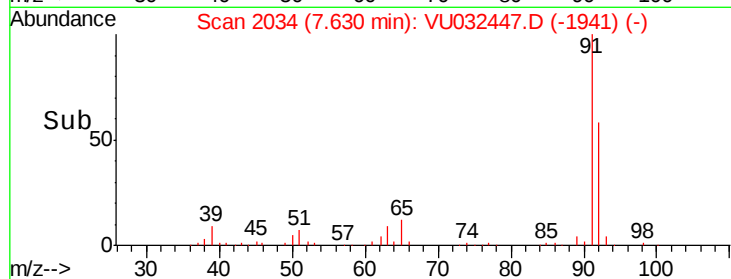
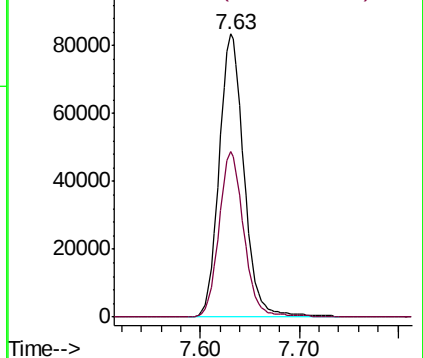
91 100

92 58.4 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032423.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032423.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.544 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032447.D

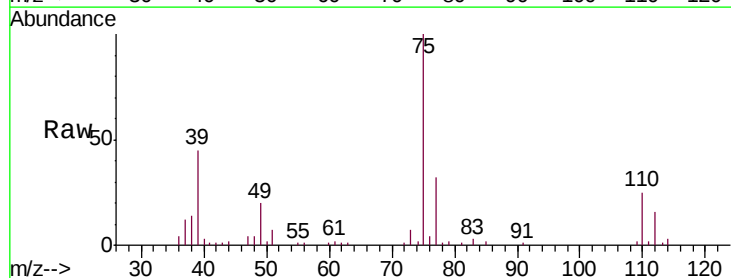
Acq: 04 Jun 2019 23:41

Tgt Ion: 75 Resp: 39963

Ion Ratio Lower Upper

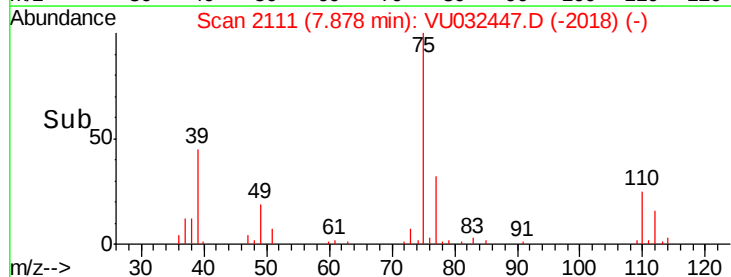
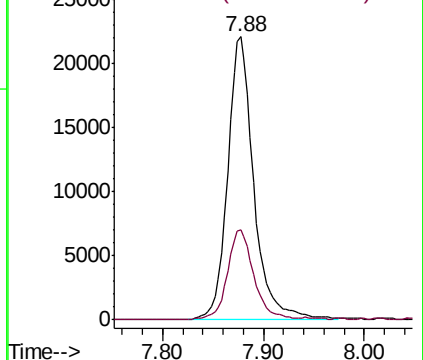
75 100

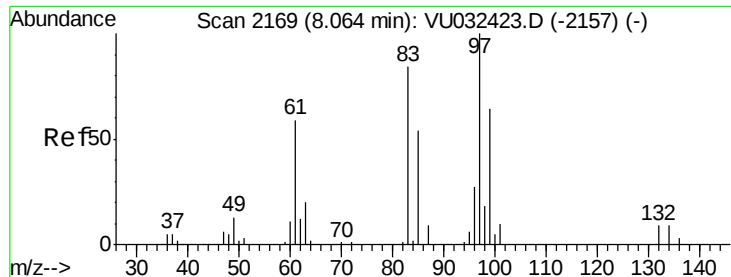
77 31.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032423.D (-2095) (-)

Ion 77.05 (76.75 to 77.75): VU032423.D (-2095) (-)

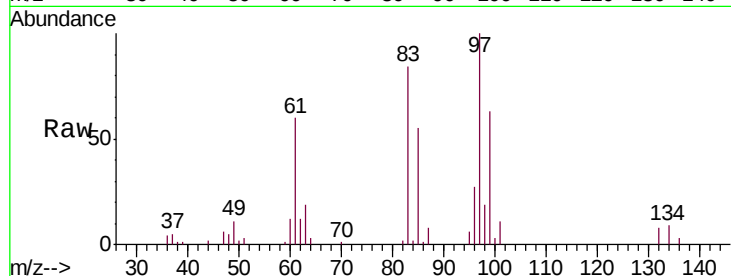




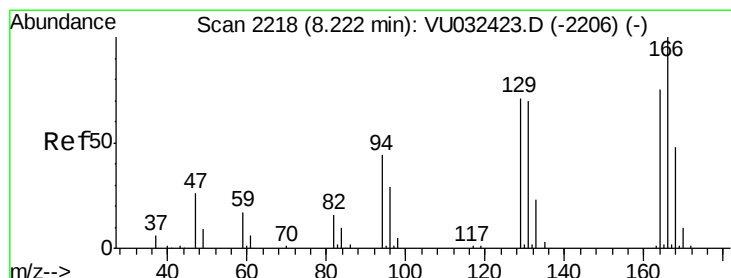
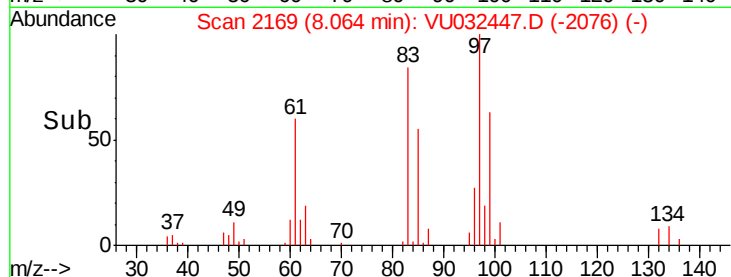
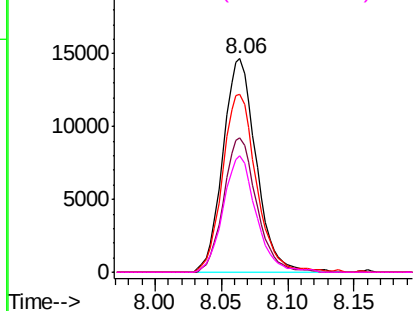
#45
 1,1,2-Trichloroethane
 Concen: 4.903 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 97 Resp: 25591
 Ion Ratio Lower Upper
 97 100
 99 63.1 44.9 83.3
 83 83.5 58.7 108.9
 85 54.6 37.9 70.5

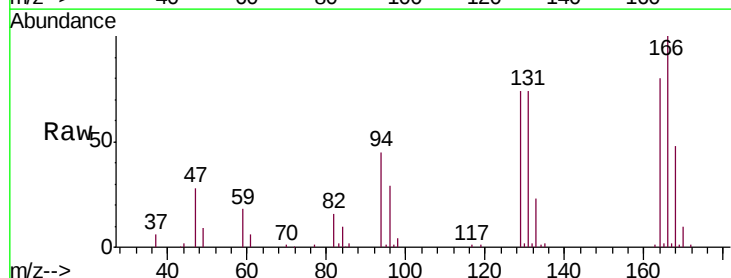


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

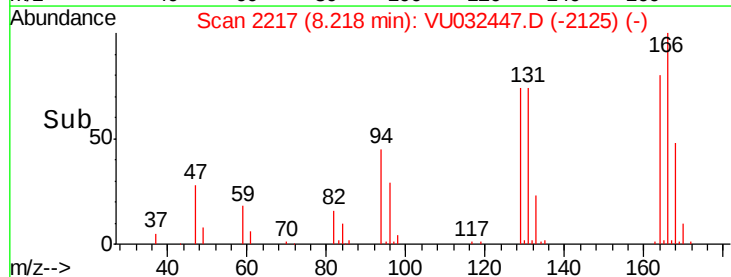
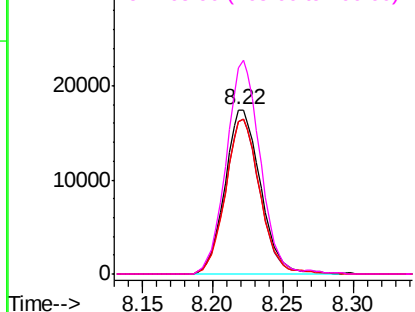


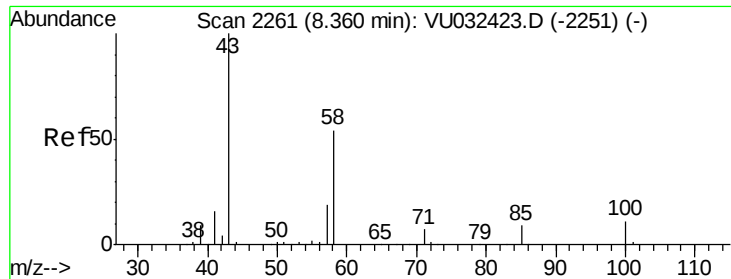
#47
 Tetrachloroethene
 Concen: 4.887 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

Tgt Ion: 164 Resp: 30677
 Ion Ratio Lower Upper
 164 100
 129 93.1 66.1 122.7
 131 93.3 65.6 121.8
 166 125.5 93.2 173.2



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

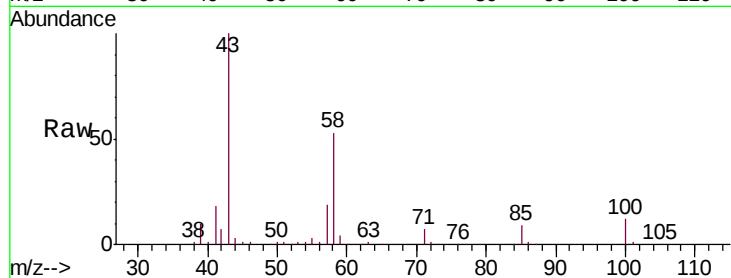




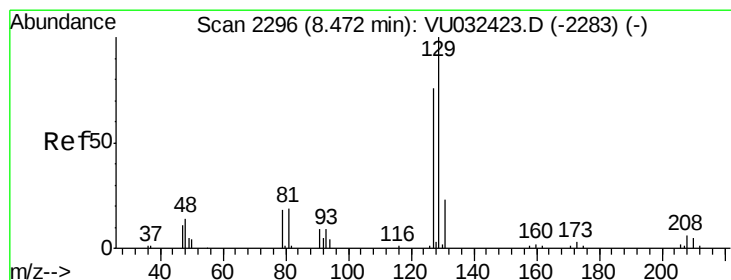
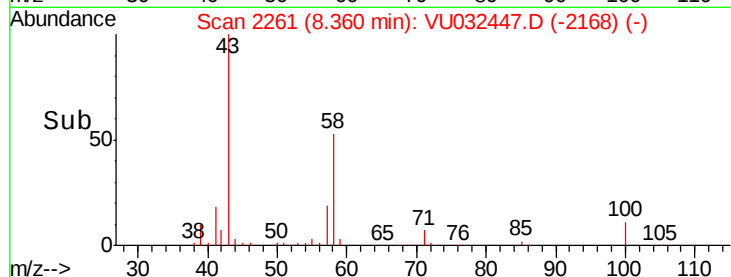
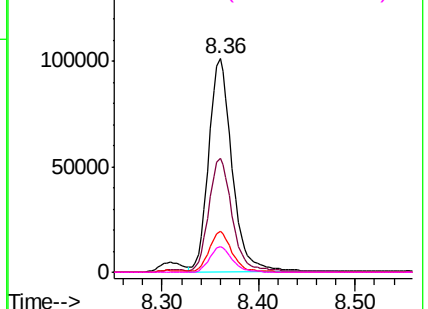
#48
2-Hexanone
Concen: 46.561 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion: 43 Resp: 169880
Ion Ratio Lower Upper
43 100
58 53.2 41.9 62.9
57 18.4 15.1 22.7
100 11.6 9.0 13.6

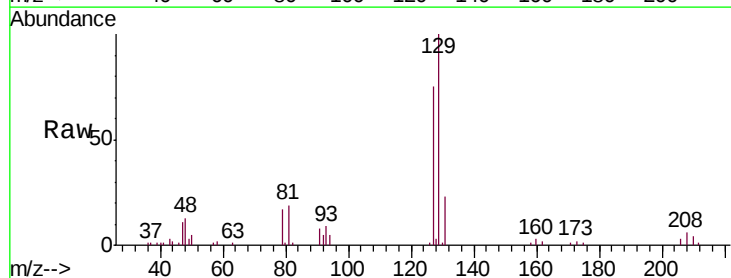


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

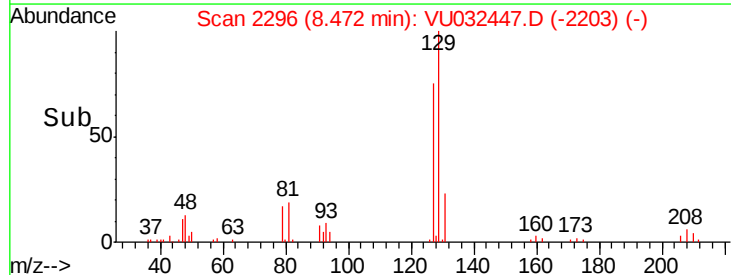
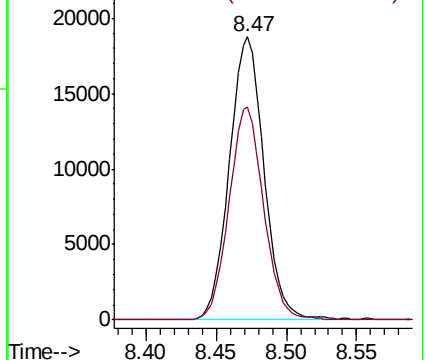


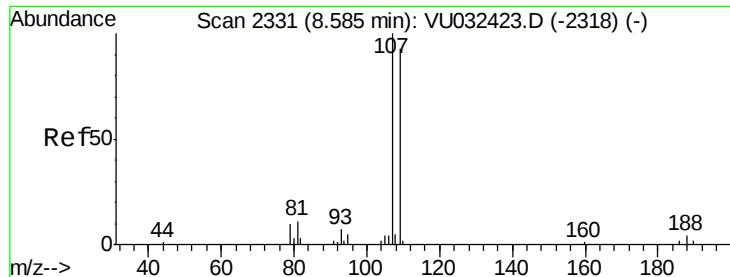
#49
Dibromochloromethane
Concen: 4.829 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Tgt Ion: 129 Resp: 32238
Ion Ratio Lower Upper
129 100
127 75.0 53.3 98.9



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

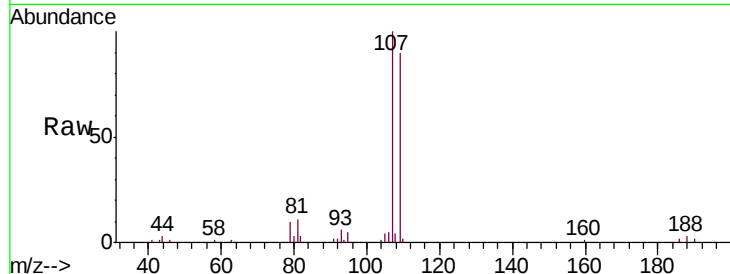




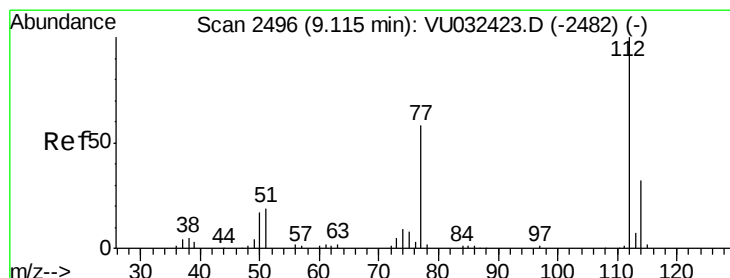
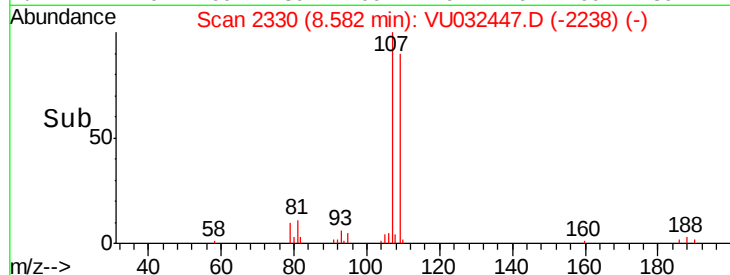
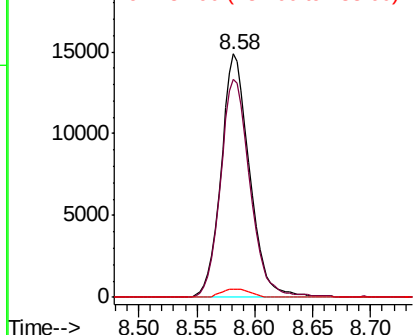
#50
1,2-Dibromoethane
Concen: 4.891 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:107 Resp: 25442
Ion Ratio Lower Upper
107 100
109 89.7 65.2 121.0
188 3.3 3.1 4.7

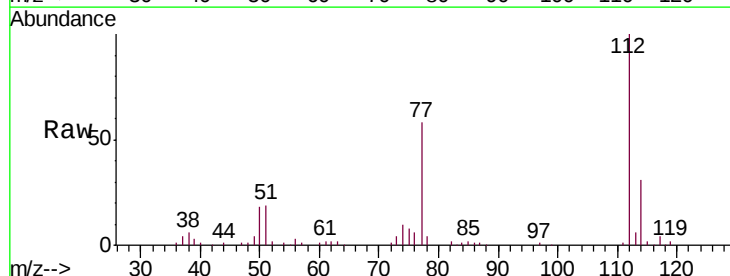


Abundance Ion 106.95 (106.65 to 107.65): V
20000 Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

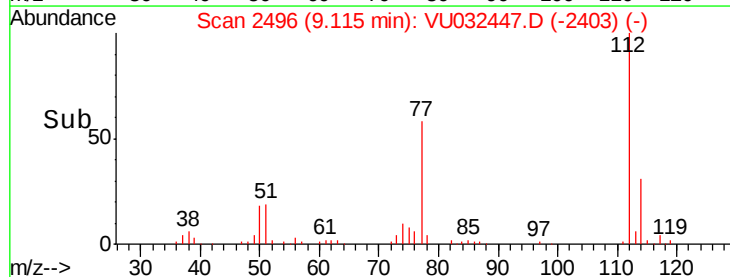
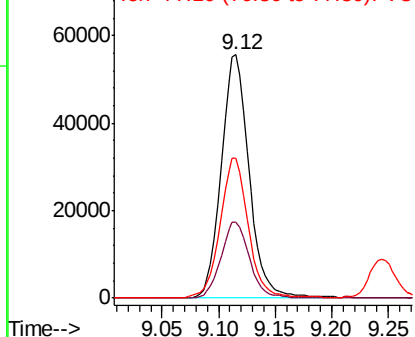


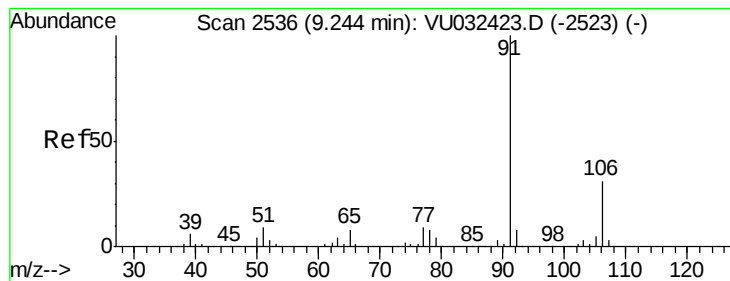
#51
Chlorobenzene
Concen: 4.928 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Tgt Ion:112 Resp: 95479
Ion Ratio Lower Upper
112 100
114 31.2 22.4 41.6
77 57.6 46.5 69.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.879 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

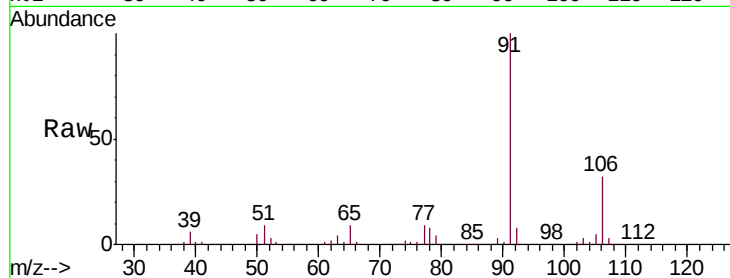
VSTD00520

Tgt Ion: 91 Resp: 166183

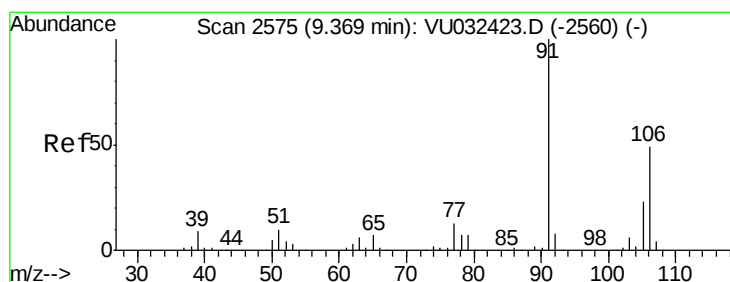
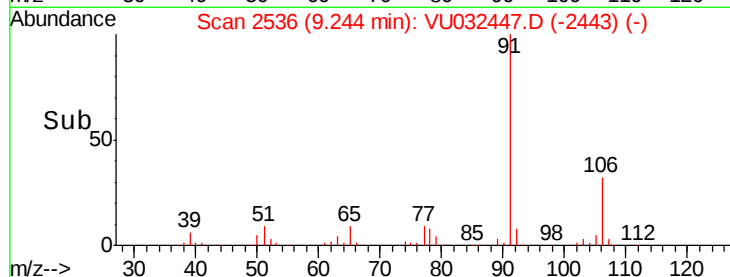
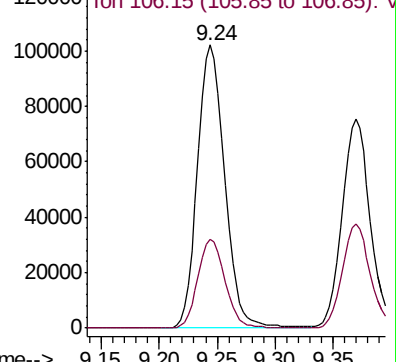
Ion Ratio Lower Upper

91 100

106 31.6 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032447.D (-2443) (-)



#53

m,p-Xylene

Concen: 4.951 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032447.D

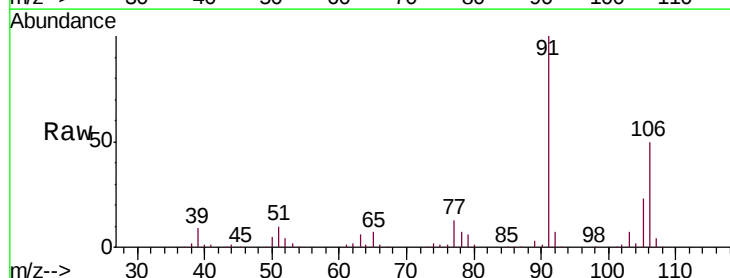
Acq: 04 Jun 2019 23:41

Tgt Ion: 106 Resp: 63927

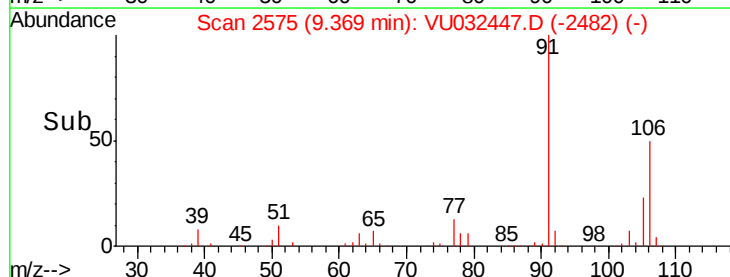
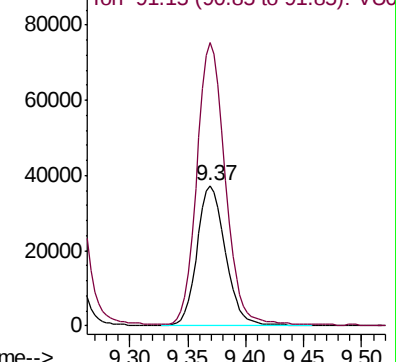
Ion Ratio Lower Upper

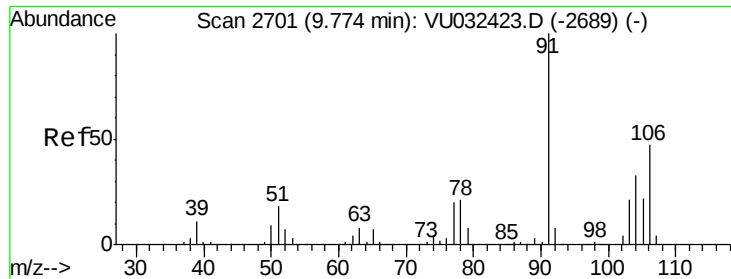
106 100

91 201.5 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032447.D (-2482) (-)

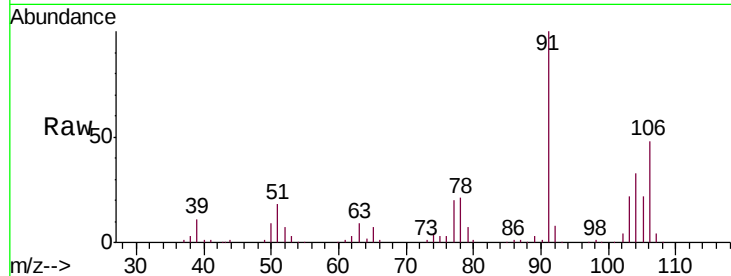




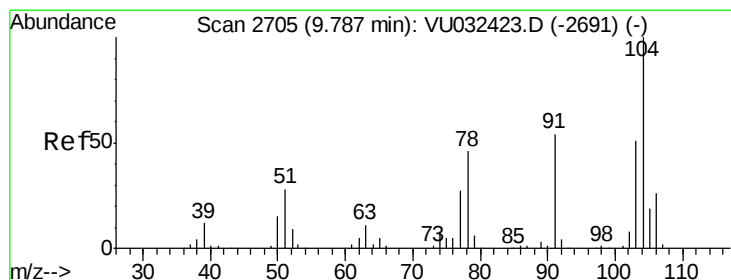
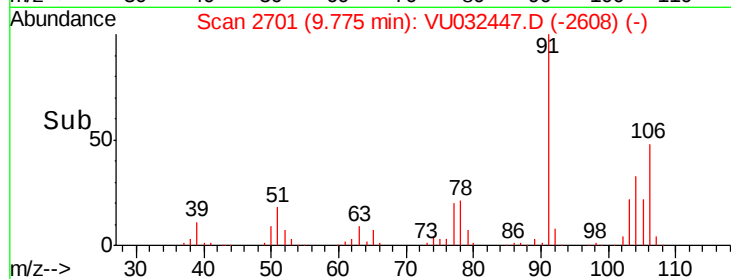
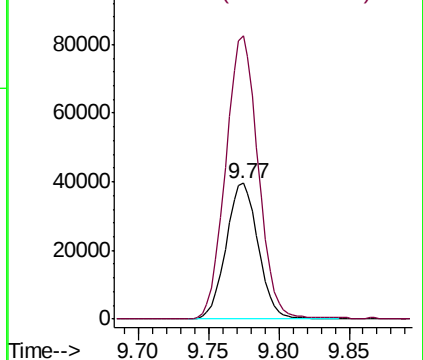
#54
o-Xylene
Concen: 4.896 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:106 Resp: 63098
Ion Ratio Lower Upper
106 100
91 208.5 148.8 276.4

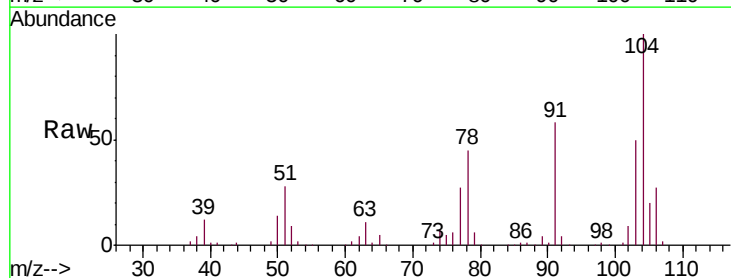


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

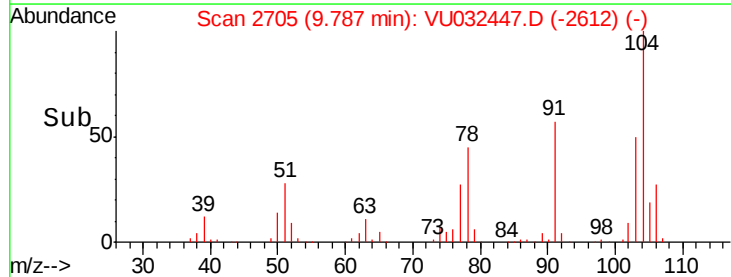
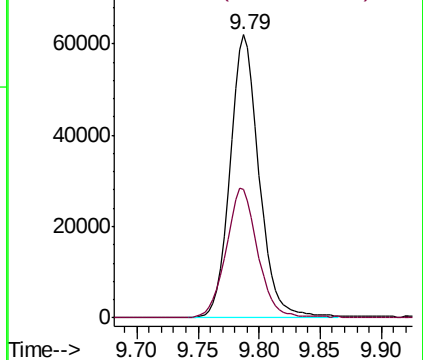


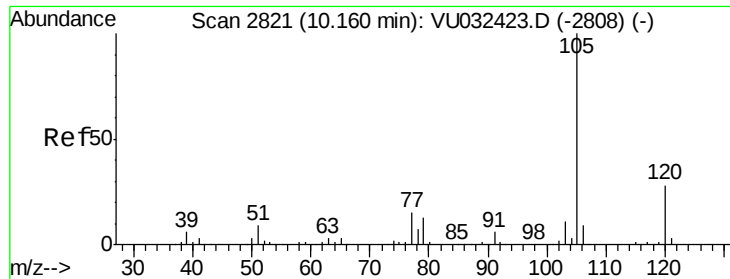
#55
Styrene
Concen: 4.855 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032447.D
Acq: 04 Jun 2019 23:41

Tgt Ion:104 Resp: 102919
Ion Ratio Lower Upper
104 100
78 45.4 32.2 59.8



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





#56

Isopropylbenzene

Concen: 4.858 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

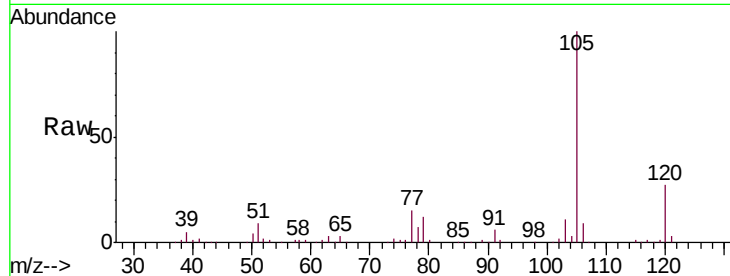
Tgt Ion: 105 Resp: 165121

Ion Ratio Lower Upper

105 100

120 26.5 21.6 32.4

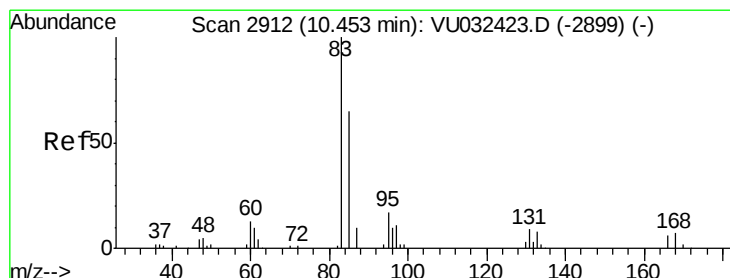
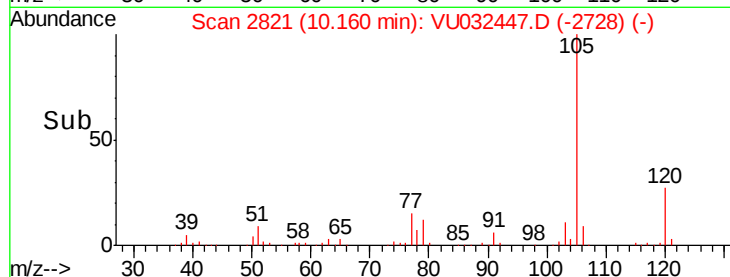
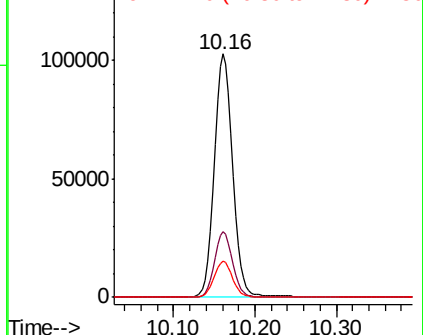
77 15.0 12.3 18.5



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: 4.801 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

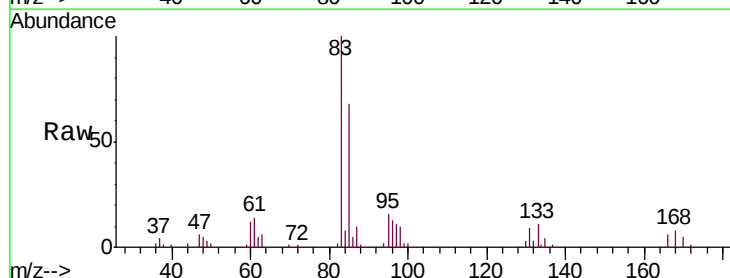
Tgt Ion: 83 Resp: 32053

Ion Ratio Lower Upper

83 100

85 67.6 45.7 84.9

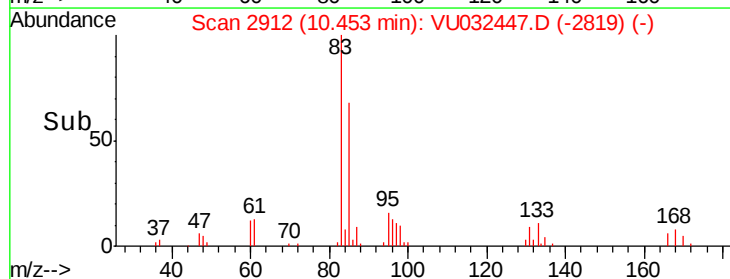
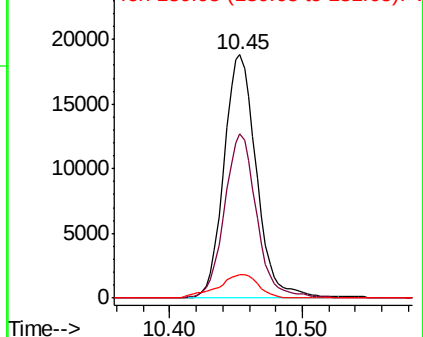
131 9.5 8.0 12.0

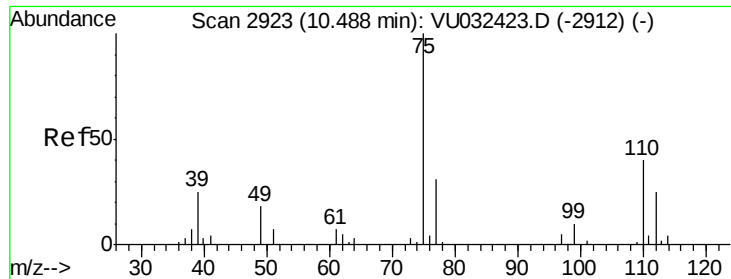


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

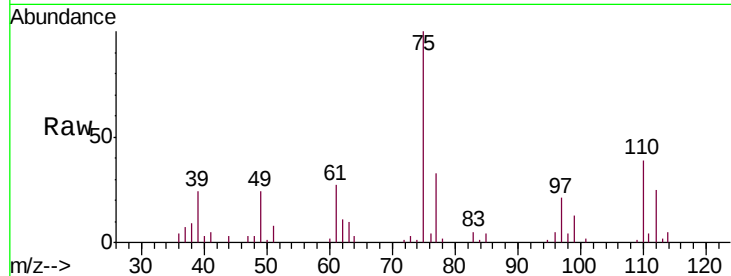




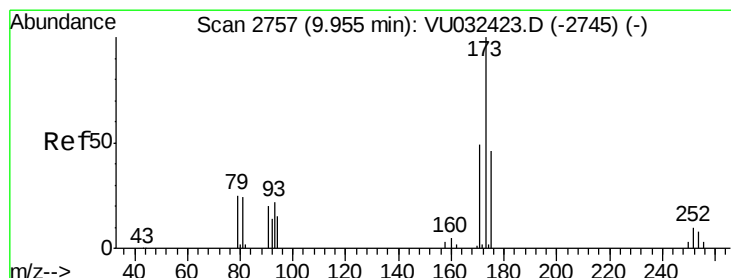
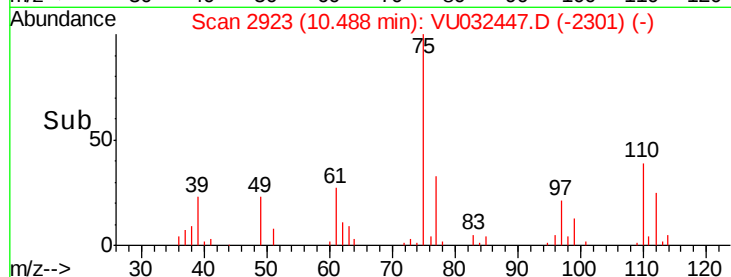
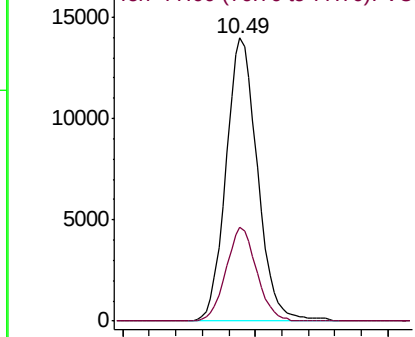
#59
 1,2,3-Trichloropropane
 Concen: 4.883 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 75 Resp: 23005
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.3 37.9

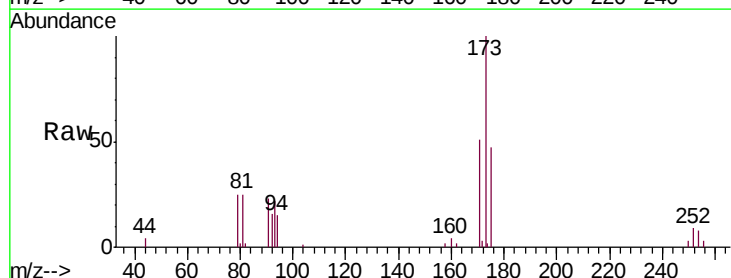


Abundance Ion 75.00 (74.70 to 75.70): VU032423.D (-2912) (-)
 Ion 77.00 (76.70 to 77.70): VU032423.D (-2912) (-)

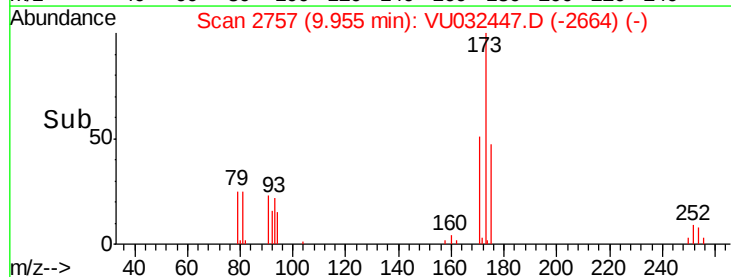
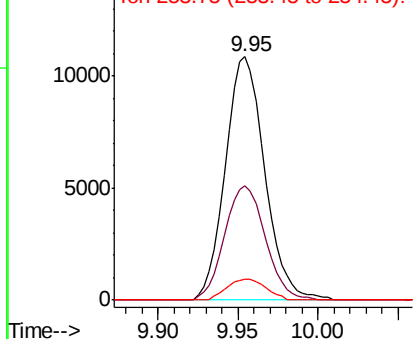


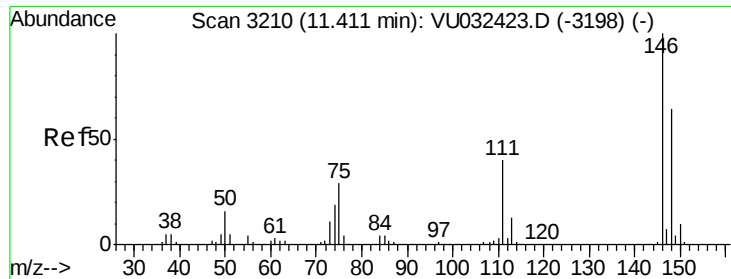
#61
 Bromoform
 Concen: 4.669 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

Tgt Ion: 173 Resp: 18262
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.9 56.9
 254 8.4 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): VU032423.D (-2745) (-)
 Ion 174.90 (174.60 to 175.60): VU032423.D (-2745) (-)
 Ion 253.75 (253.45 to 254.45): VU032423.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 4.978 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

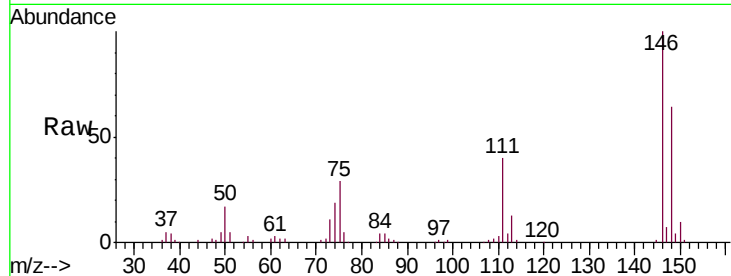
Tgt Ion:146 Resp: 79104

Ion Ratio Lower Upper

146 100

111 39.8 27.7 51.5

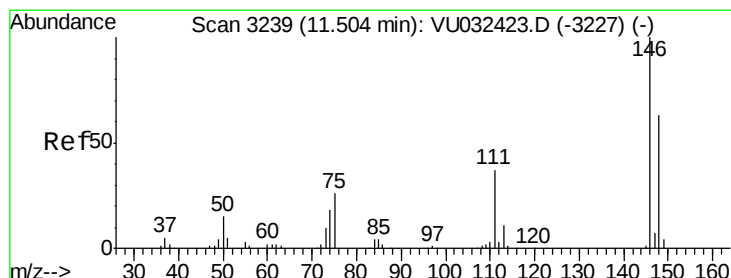
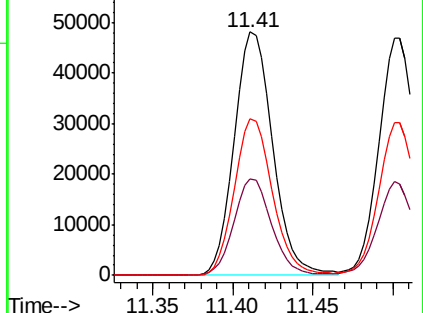
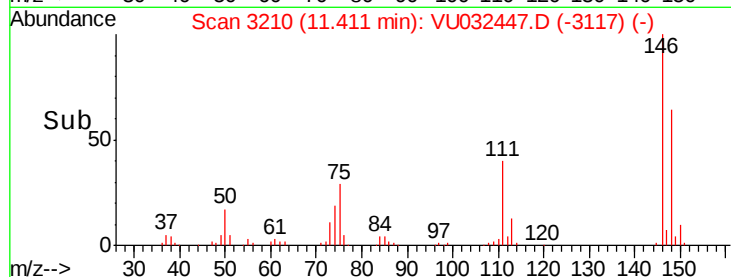
148 64.4 44.7 83.1



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: 4.884 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

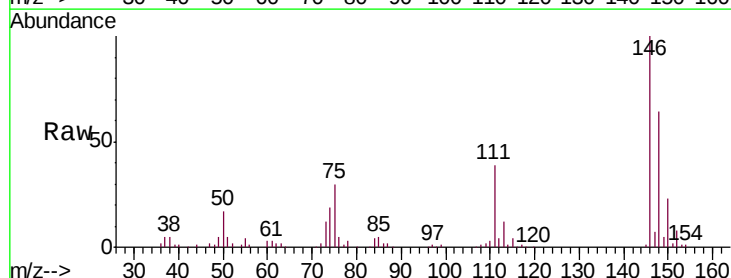
Tgt Ion:146 Resp: 78896

Ion Ratio Lower Upper

146 100

111 39.3 26.2 48.6

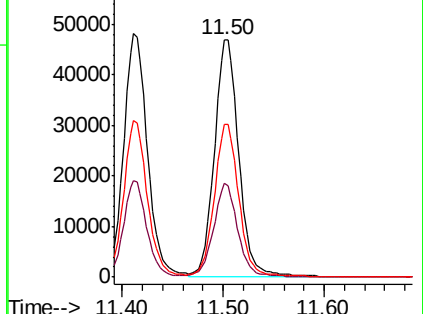
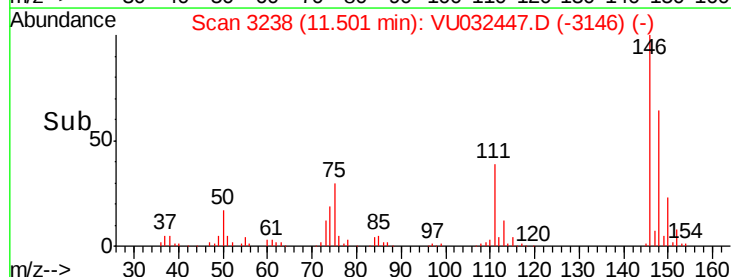
148 64.2 43.9 81.5

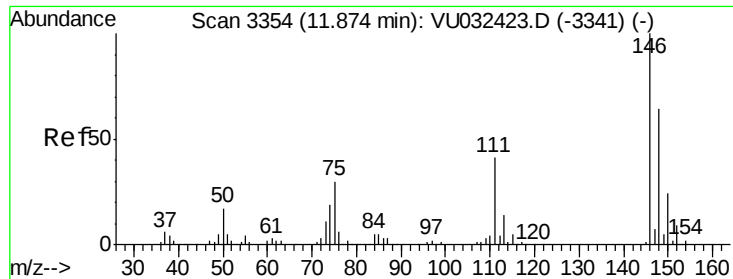


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.023 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

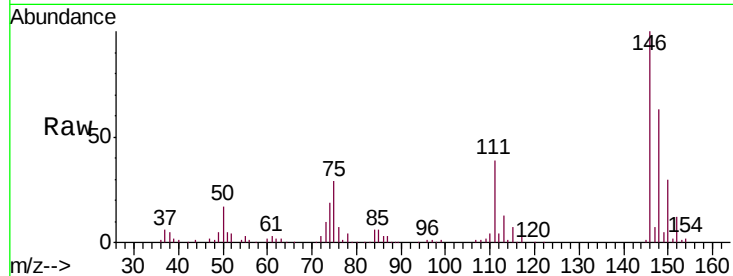
Tgt Ion:146 Resp: 77126

Ion Ratio Lower Upper

146 100

111 39.3 33.0 49.4

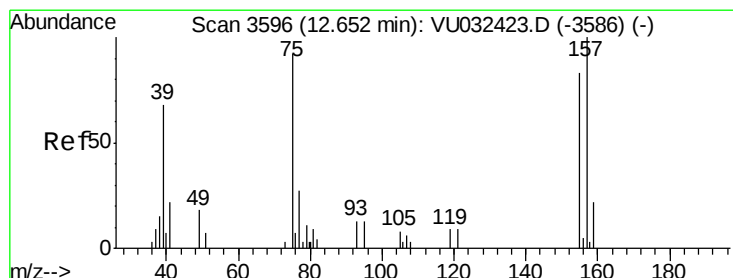
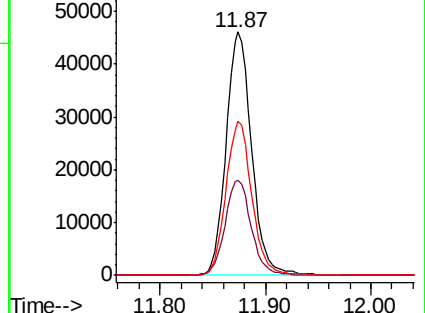
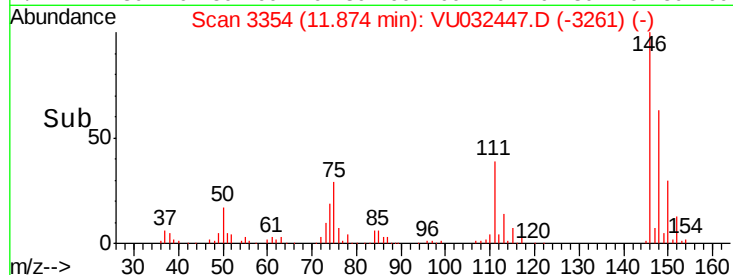
148 63.5 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.679 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

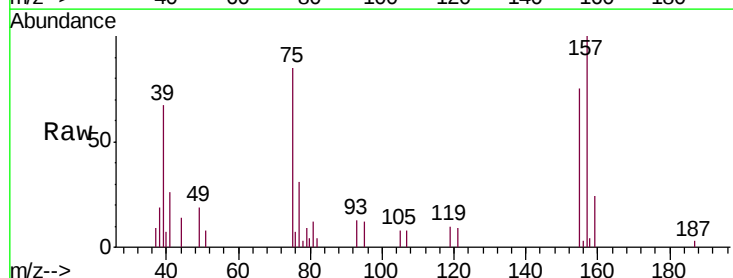
Tgt Ion: 75 Resp: 5044

Ion Ratio Lower Upper

75 100

155 87.6 72.3 108.5

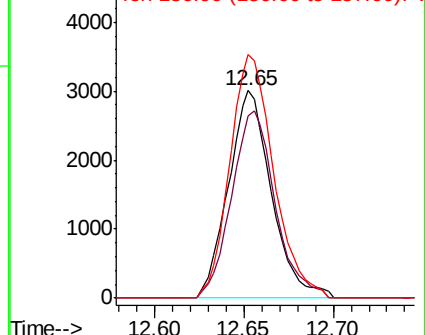
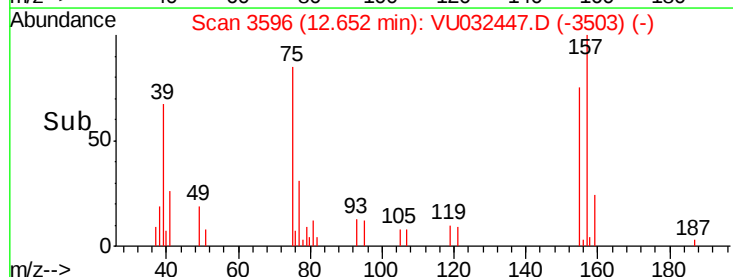
157 117.3 87.4 131.0

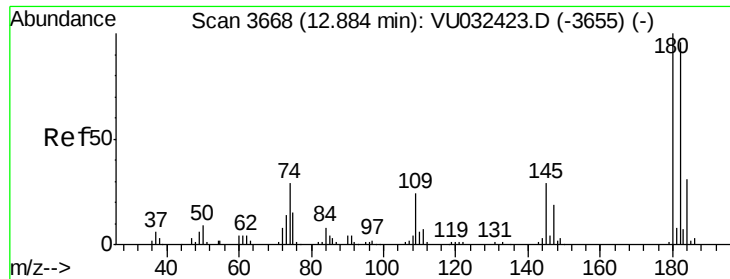


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

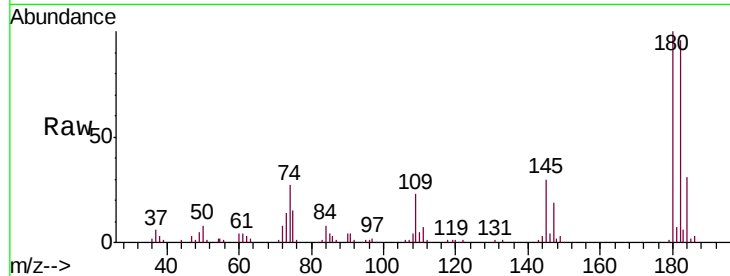




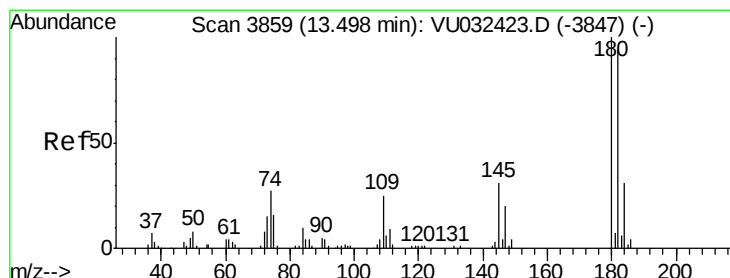
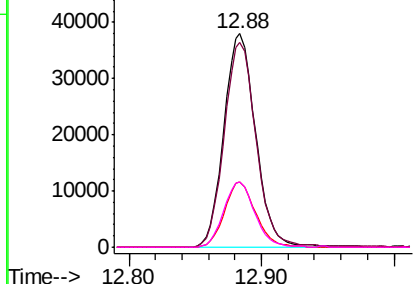
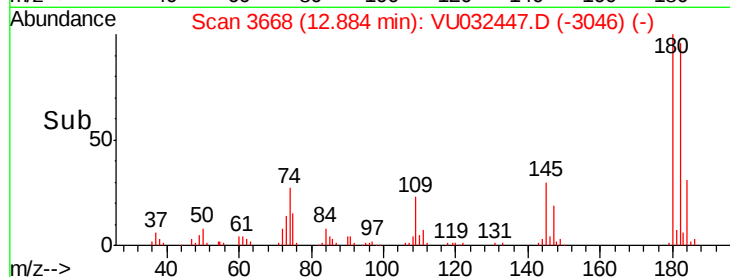
#67
 1,3,5-Trichlorobenzene
 Concen: 4.969 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:180 Resp: 63277
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.6 115.0
 184 30.0 24.2 36.4
 145 29.9 23.5 35.3

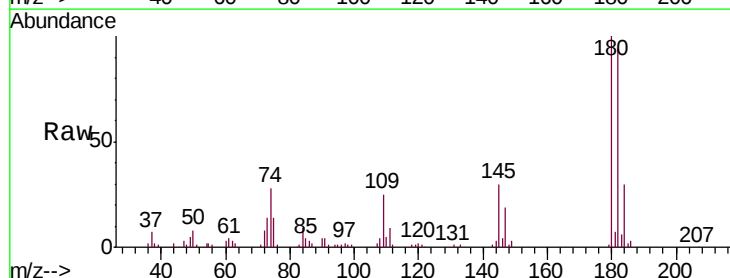


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

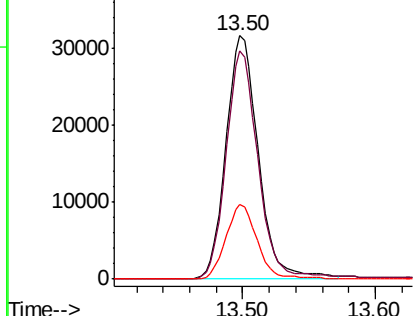
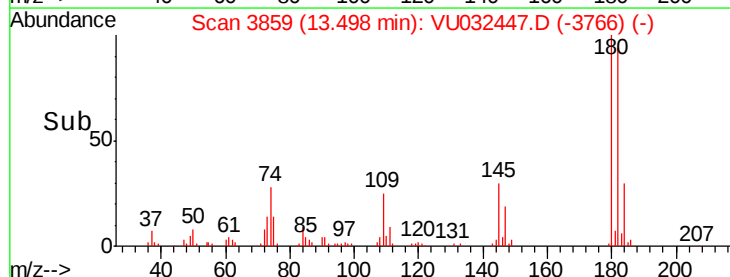


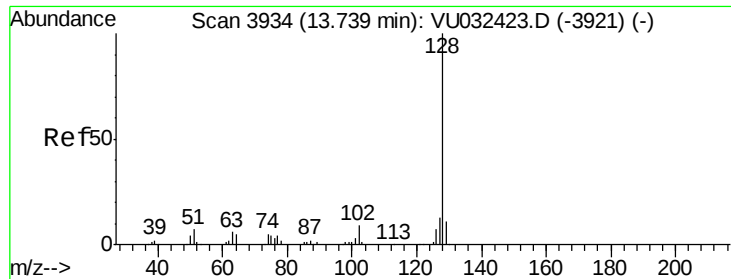
#68
 1,2,4-trichlorobenzene
 Concen: 5.241 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032447.D
 Acq: 04 Jun 2019 23:41

Tgt Ion:180 Resp: 53818
 Ion Ratio Lower Upper
 180 100
 182 93.8 74.8 112.2
 145 29.6 24.3 36.5



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: 5.291 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

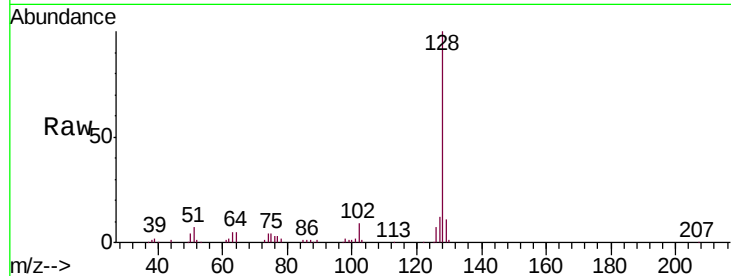
Tgt Ion:128 Resp: 95255

Ion Ratio Lower Upper

128 100

129 10.2 8.1 12.1

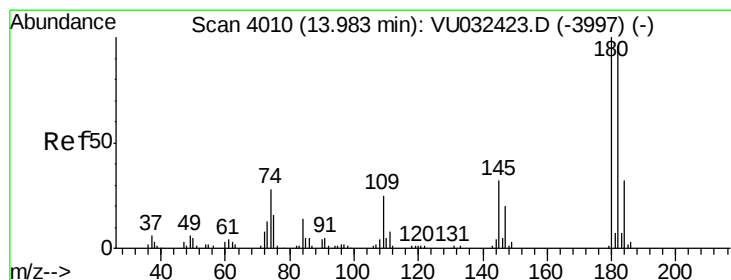
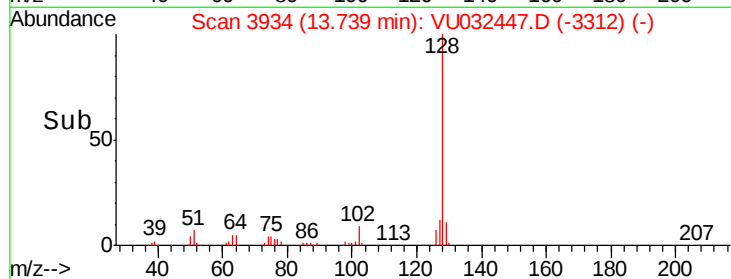
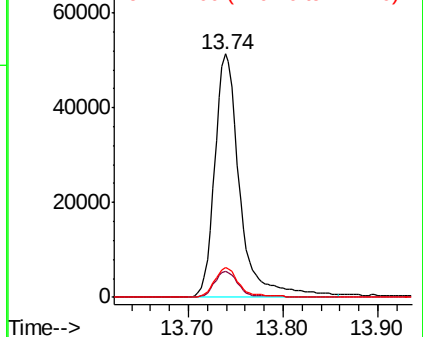
127 12.3 10.4 15.6



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: 4.981 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032447.D

Acq: 04 Jun 2019 23:41

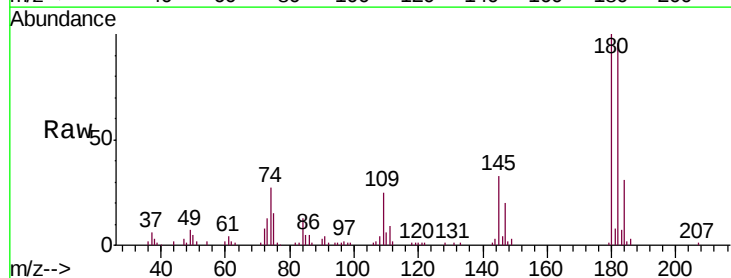
Tgt Ion:180 Resp: 50934

Ion Ratio Lower Upper

180 100

182 94.7 73.8 110.6

145 32.0 25.3 37.9



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

