

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040120\
 Data File : VU037528.D
 Acq On : 01 Apr 2020 17:21
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Apr 01 18:17:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 15:49:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	95963	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	90598	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	44753	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38094	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.93	69	28887	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.59	63	69710	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.68	46	111866	51.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.56%
24) Chloroform-d	5.11	84	68717	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.74	65	36626	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.76	84	132734	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.72	67	44880	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.92	98	123493	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	8.20	79	20814	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.66	63	99535	49.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.60%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	36291	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	43714	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	34901	4.71 ug/L	99
3) Chloromethane	1.53	50	37192	4.84 ug/L	96
5) Vinyl chloride	1.62	62	36719	4.73 ug/L	96
6) Bromomethane	1.87	94	19437	5.23 ug/L	100
8) Chloroethane	1.95	64	20036	4.22 ug/L	98
9) Trichlorofluoromethane	2.16	101	52942	4.63 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	32715	4.98 ug/L	98
12) 1,1-Dichloroethene	2.60	96	30028	4.73 ug/L	98
13) Acetone	2.67	43	62645	50.95 ug/L	97
14) Carbon disulfide	2.82	76	98866	4.74 ug/L	98
15) Methyl Acetate	2.99	43	16064	4.41 ug/L	95
16) Methylene chloride	3.08	84	34269	4.60 ug/L	88
17) Methyl tert-butyl Ether	3.40	73	84252	4.72 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	32532	4.72 ug/L	96
19) 1,1-Dichloroethane	3.91	63	61211	4.73 ug/L	93
21) 2-Butanone	4.76	43	104956	48.52 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	34077	4.53 ug/L	93

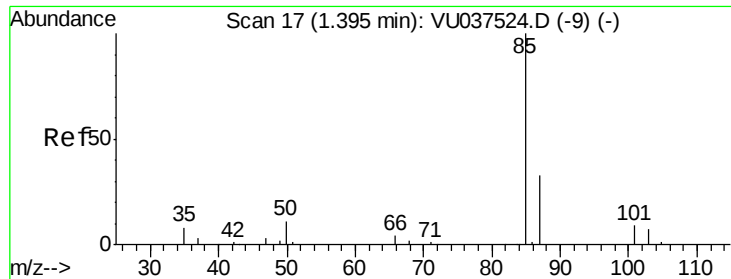
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040120\
 Data File : VU037528.D
 Acq On : 01 Apr 2020 17:21
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Apr 01 18:17:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 15:49:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	14921	4.55	ug/L	98
25) Chloroform	5.13	83	62431	4.68	ug/L	99
27) 1,2-Dichloroethane	5.83	62	40566	4.74	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	55008	4.72	ug/L	97
30) Cyclohexane	5.42	56	60007	4.74	ug/L	99
31) Carbon tetrachloride	5.56	117	46917	4.95	ug/L	96
33) Benzene	5.81	78	135218	4.70	ug/L	100
34) Trichloroethene	6.57	95	36234	4.77	ug/L	97
35) Methylcyclohexane	6.79	83	58243	4.59	ug/L	97
37) 1,2-Dichloropropane	6.82	63	36730	4.73	ug/L	99
38) Bromodichloromethane	7.14	83	46393	4.68	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	54442	4.58	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	255040	47.18	ug/L	100
42) Toluene	8.00	91	144352	4.72	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	49589	4.76	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	25420	4.68	ug/L	93
47) Tetrachloroethene	8.58	164	23726	4.78	ug/L	96
48) 2-Hexanone	8.71	43	190191	48.57	ug/L	98
49) Dibromochloromethane	8.83	129	30620	4.74	ug/L	99
50) 1,2-Dibromoethane	8.95	107	25735	4.87	ug/L	90
51) Chlorobenzene	9.47	112	89941	4.77	ug/L	99
52) Ethylbenzene	9.59	91	165886	4.76	ug/L	99
53) m,p-Xylene	9.72	106	61334	4.69	ug/L	98
54) o-Xylene	10.12	106	60052	4.76	ug/L	97
55) Styrene	10.13	104	103222	4.74	ug/L	99
56) Isopropylbenzene	10.50	105	161752	4.71	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	33657	4.61	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	24414	4.80	ug/L	96
61) Bromoform	10.31	173	17274	4.69	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	71940	4.86	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	71974	4.78	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	65875	4.65	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	6729	4.95	ug/L	91
67) 1,3,5-Trichlorobenzene	13.25	180	51608	4.83	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	49193	4.95	ug/L	99
69) Naphthalene	14.12	128	107508	4.86	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	44496	5.05	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.71 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

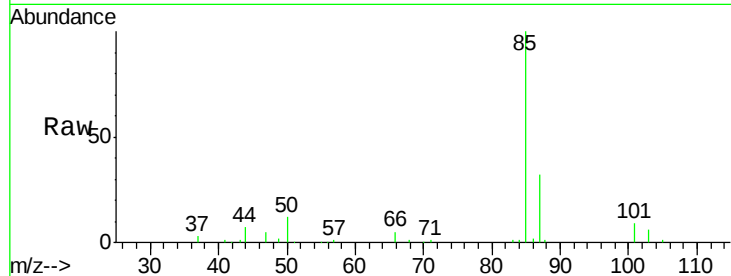
VSTD00525

Tgt Ion: 85 Resp: 34901

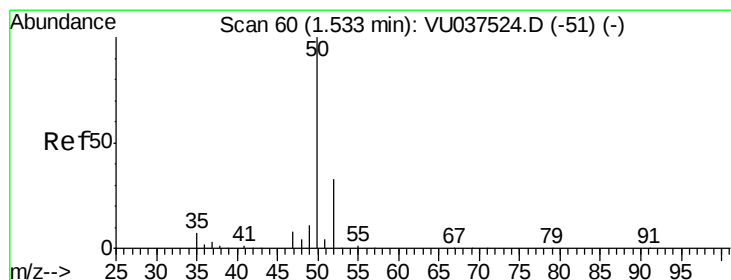
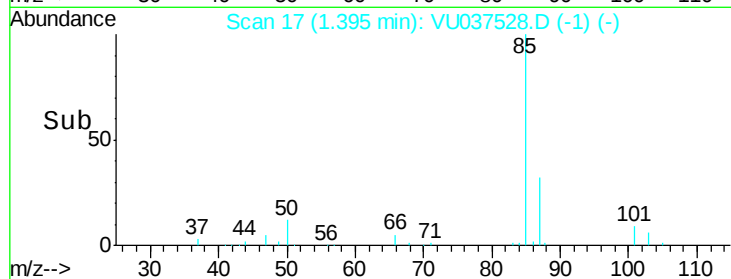
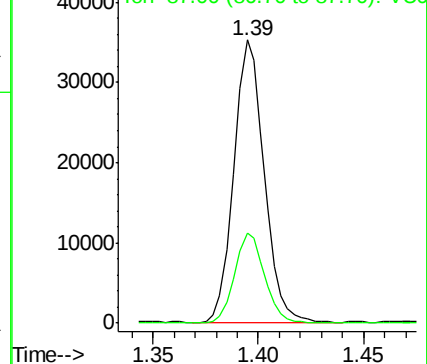
Ion Ratio Lower Upper

85 100

87 31.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037528.D (-9) (-)



#3

Chloromethane

Concen: 4.84 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037528.D

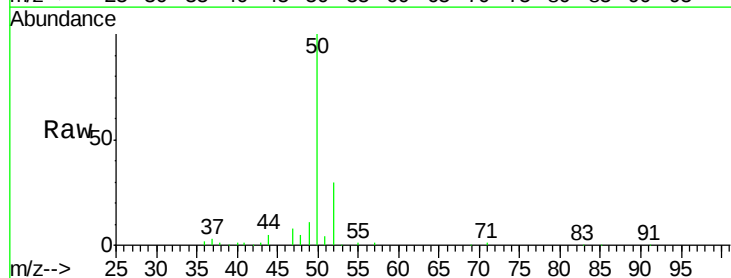
Acq: 01 Apr 2020 17:21

Tgt Ion: 50 Resp: 37192

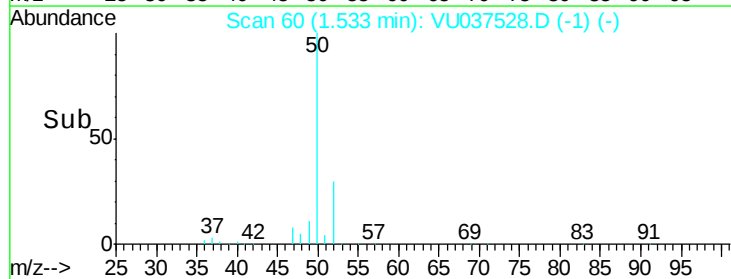
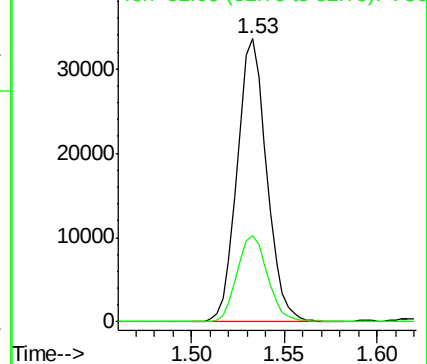
Ion Ratio Lower Upper

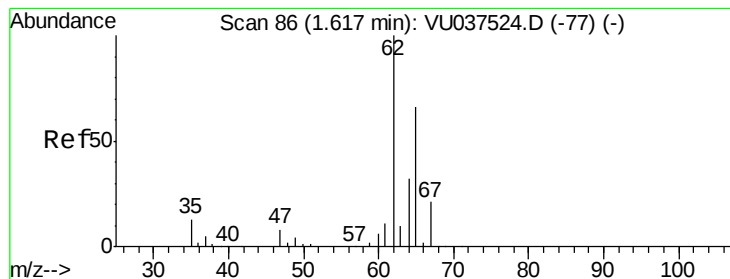
50 100

52 30.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037528.D (-51) (-)





#5

Vinyl chloride

Concen: 4.73 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

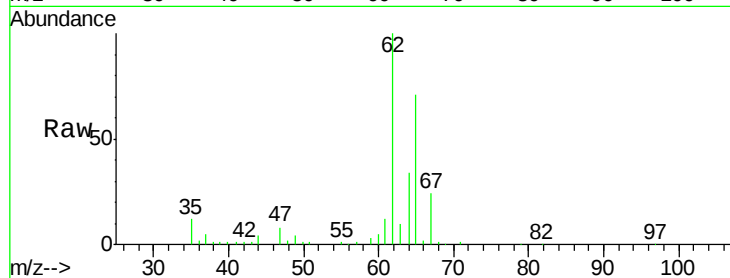
VSTD00525

Tgt Ion: 62 Resp: 36719

Ion Ratio Lower Upper

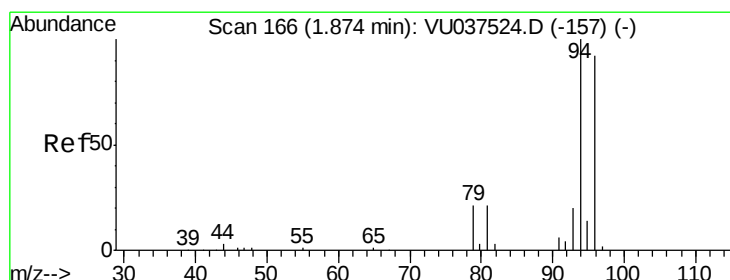
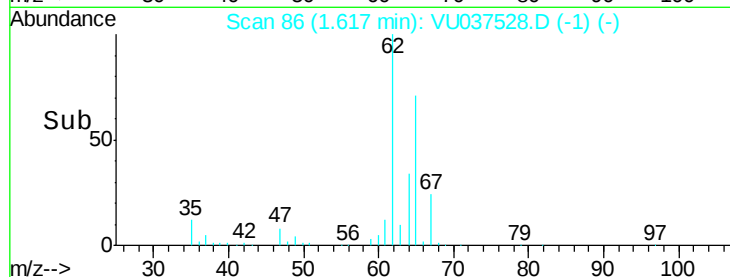
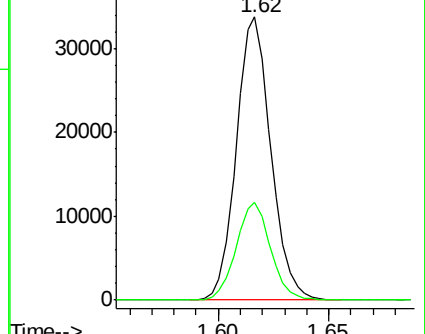
62 100

64 34.4 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU037528.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037528.D (-77) (-)



#6

Bromomethane

Concen: 5.23 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU037528.D

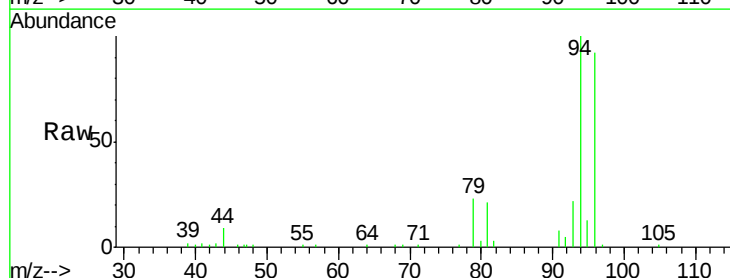
Acq: 01 Apr 2020 17:21

Tgt Ion: 94 Resp: 19437

Ion Ratio Lower Upper

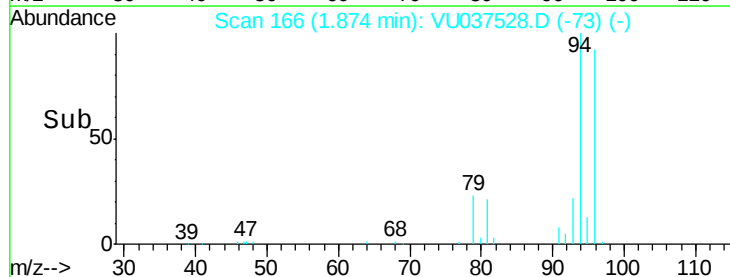
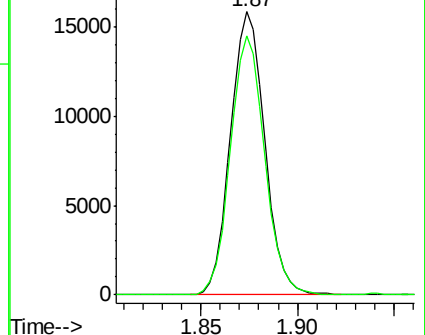
94 100

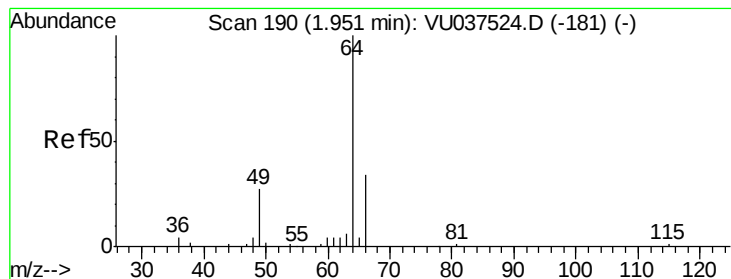
96 91.6 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU037528.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037528.D (-157) (-)





#8

Chloroethane

Concen: 4.22 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

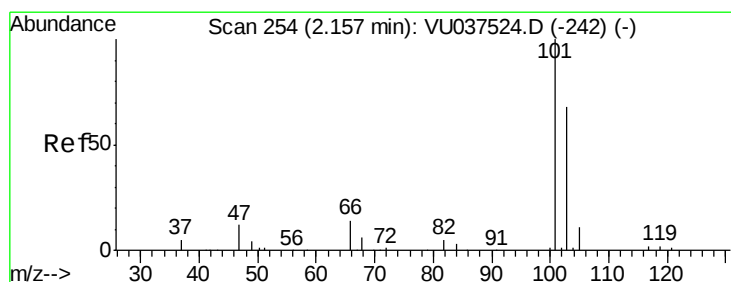
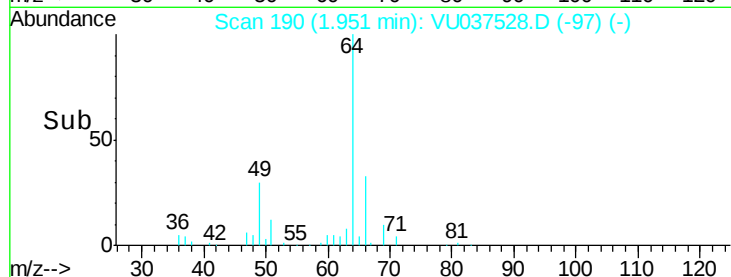
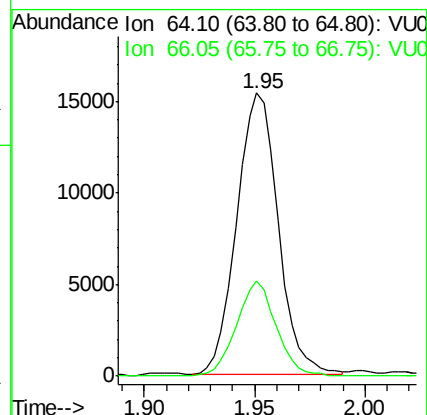
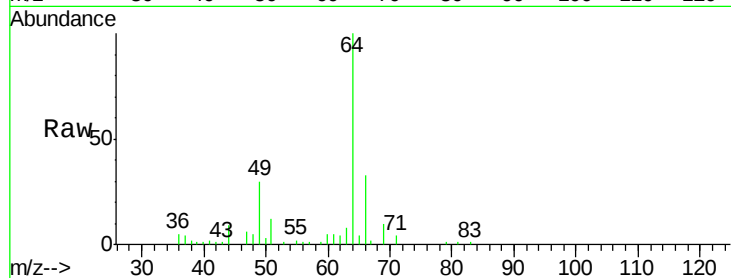
VSTD00525

Tgt Ion: 64 Resp: 20036

Ion Ratio Lower Upper

64 100

66 33.4 24.1 44.7



#9

Trichlorofluoromethane

Concen: 4.63 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037528.D

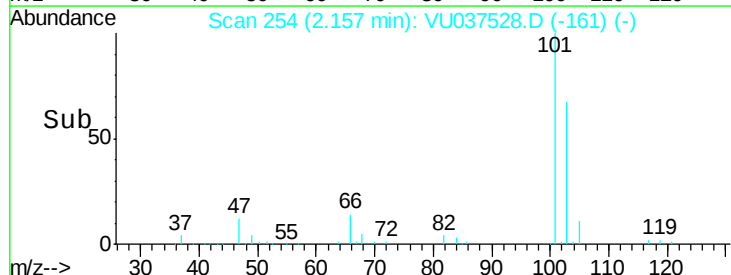
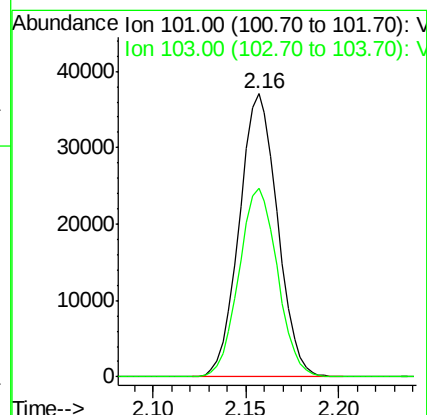
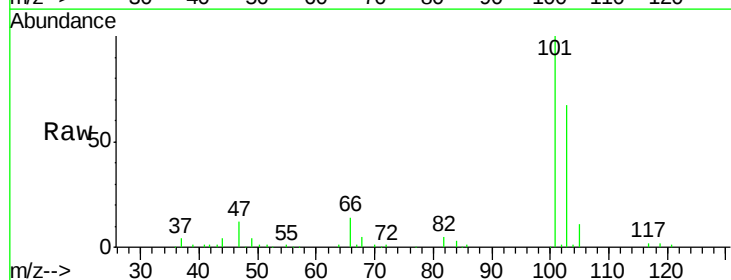
Acq: 01 Apr 2020 17:21

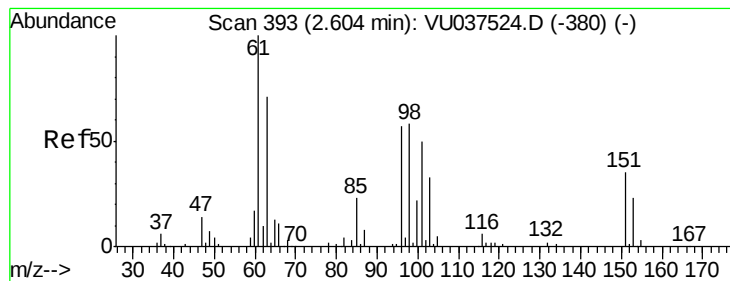
Tgt Ion: 101 Resp: 52942

Ion Ratio Lower Upper

101 100

103 67.4 53.2 79.8





#10

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

Concen: 4.98 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

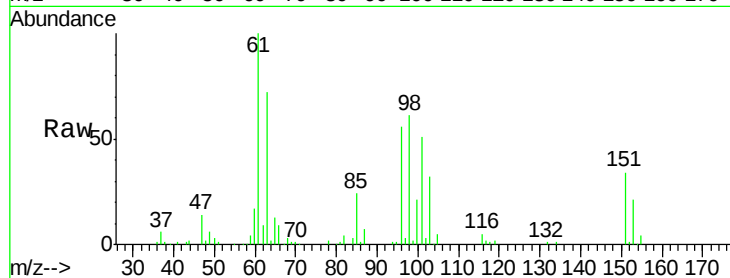
Tgt Ion: 101 Resp: 32715

Ion Ratio Lower Upper

101 100

85 45.0 35.8 53.8

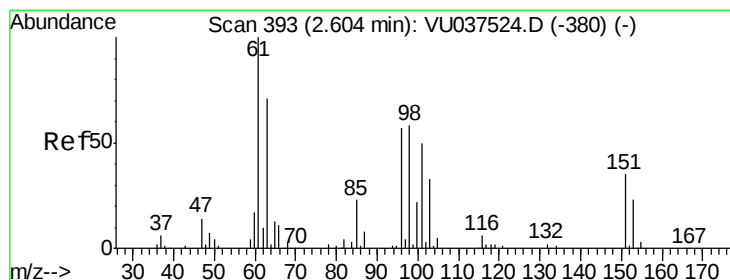
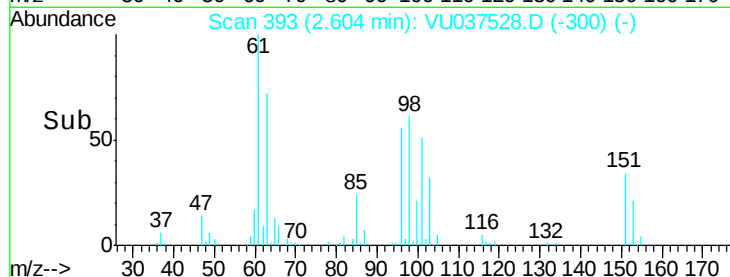
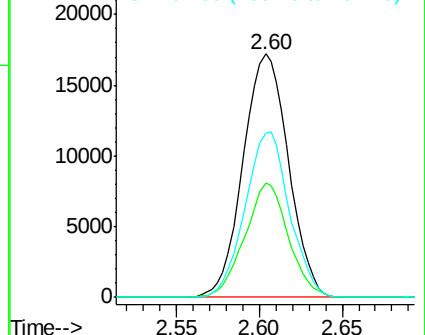
151 66.3 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.73 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

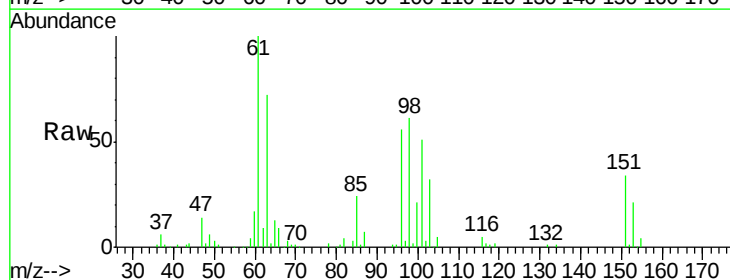
Tgt Ion: 96 Resp: 30028

Ion Ratio Lower Upper

96 100

61 179.7 123.4 229.2

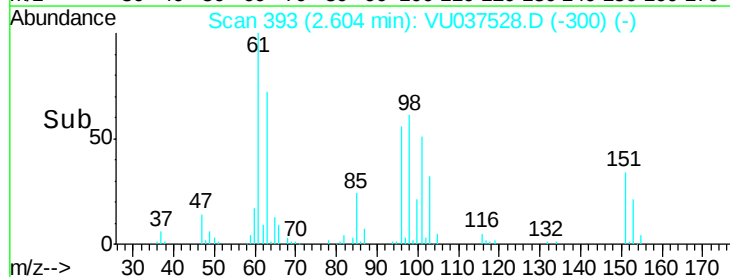
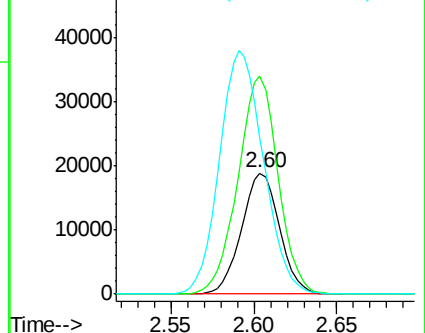
63 129.7 90.4 168.0

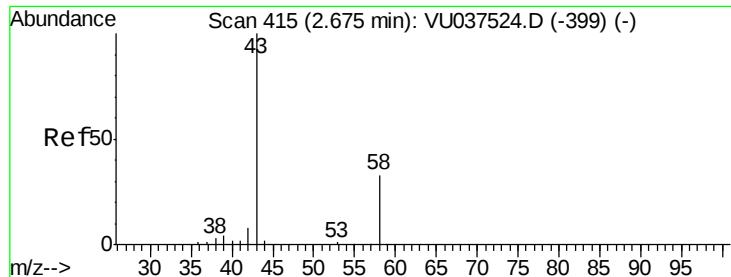


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.95 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

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ClientSampleId :

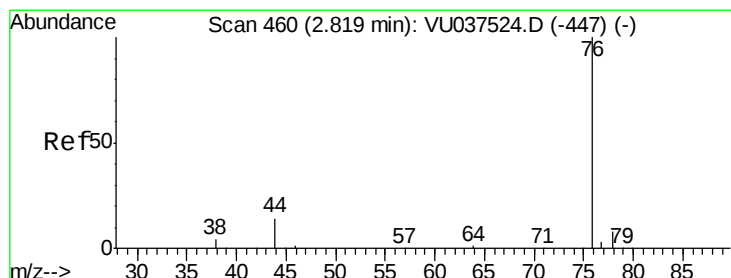
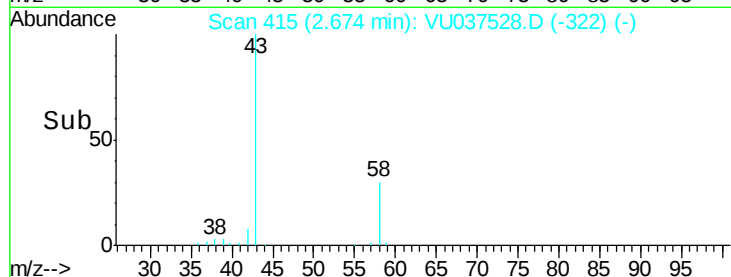
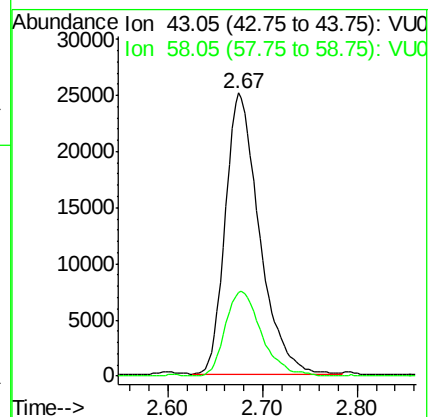
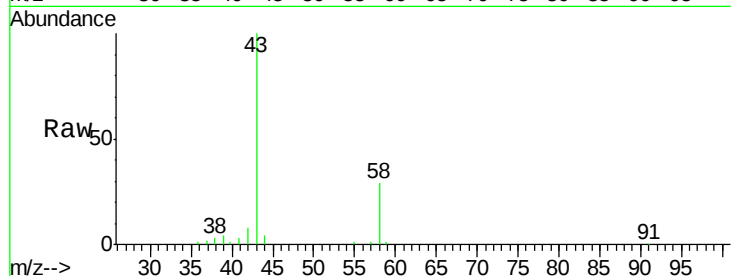
VSTD00525

Tgt Ion: 43 Resp: 62645

Ion Ratio Lower Upper

43 100

58 32.2 0.0 68.2



#14

Carbon disulfide

Concen: 4.74 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037528.D

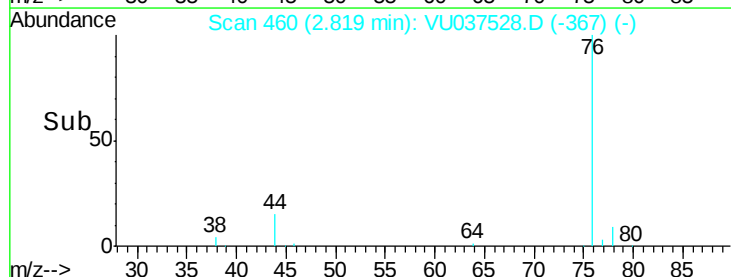
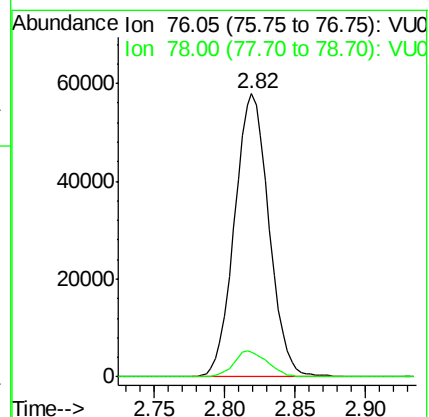
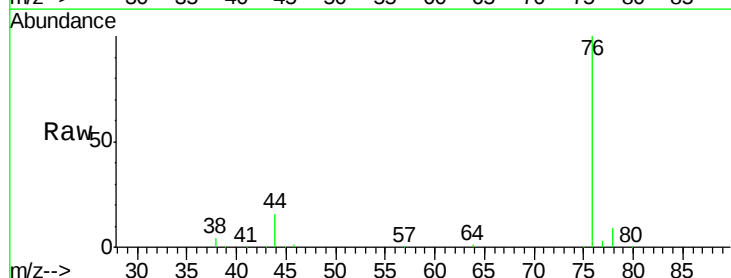
Acq: 01 Apr 2020 17:21

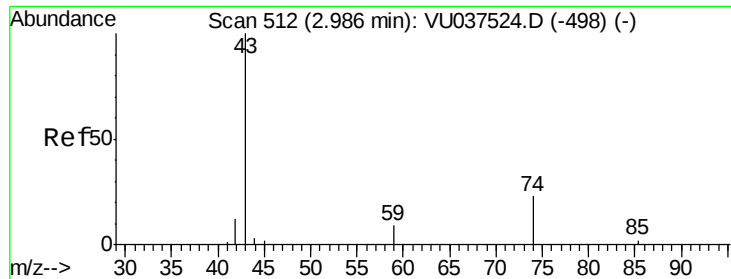
Tgt Ion: 76 Resp: 98866

Ion Ratio Lower Upper

76 100

78 8.6 6.3 9.5

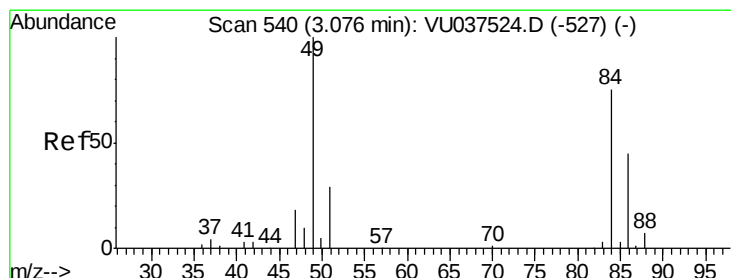
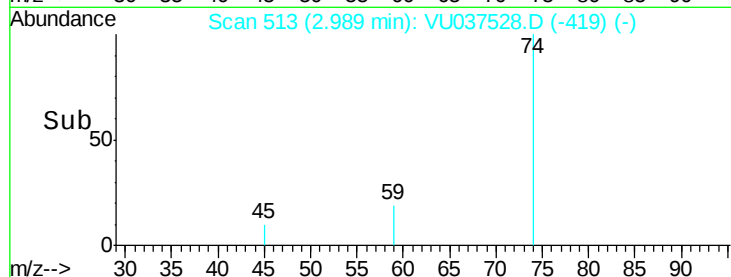
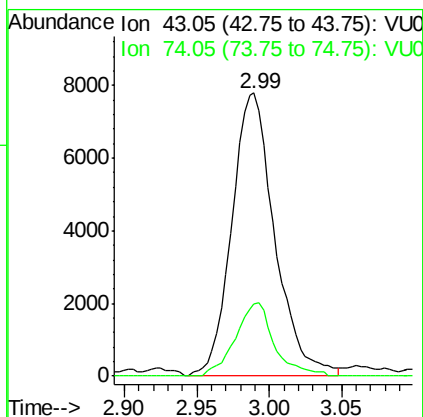
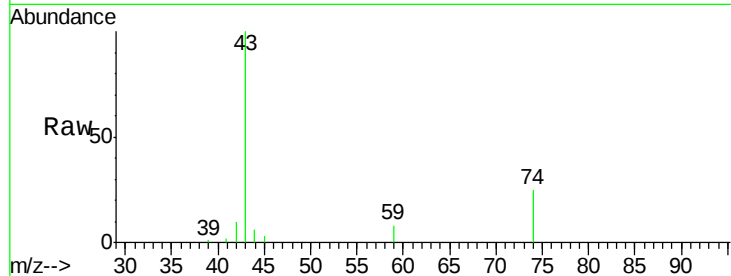




#15
Methyl Acetate
Concen: 4.41 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU037528.D
Acq: 01 Apr 2020 17:21

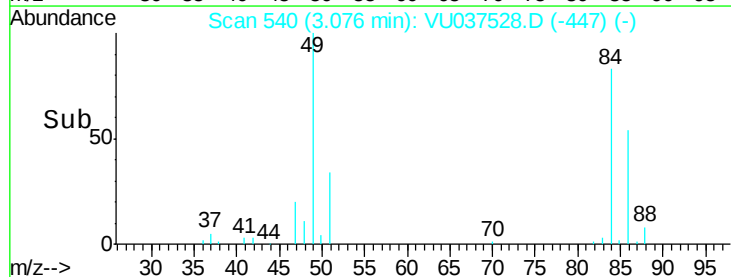
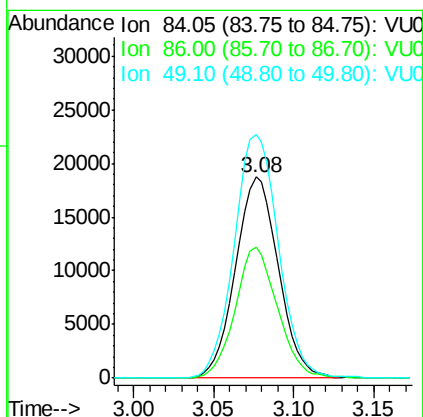
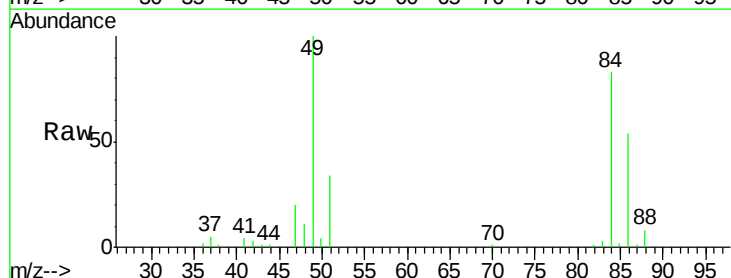
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

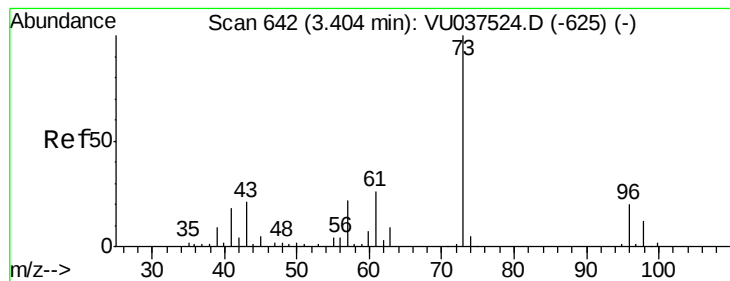
Tgt Ion: 43 Resp: 16064
Ion Ratio Lower Upper
43 100
74 23.4 16.8 25.2



#16
Methylene chloride
Concen: 4.60 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037528.D
Acq: 01 Apr 2020 17:21

Tgt Ion: 84 Resp: 34269
Ion Ratio Lower Upper
84 100
86 65.1 41.6 77.3
49 121.1 97.0 180.2





#17

Methyl tert-butyl Ether

Concen: 4.72 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

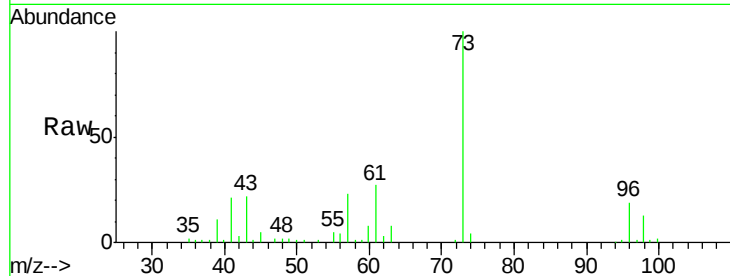
Tgt Ion: 73 Resp: 84252

Ion Ratio Lower Upper

73 100

43 21.6 18.0 27.0

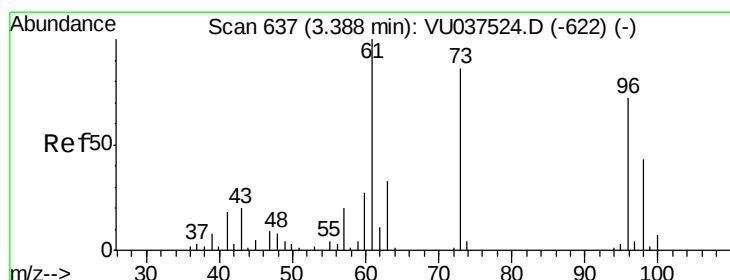
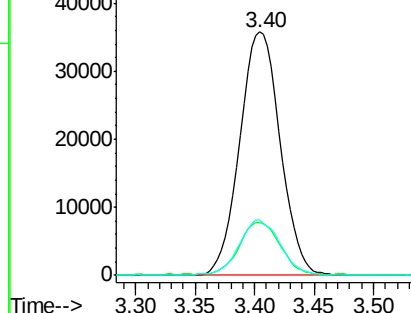
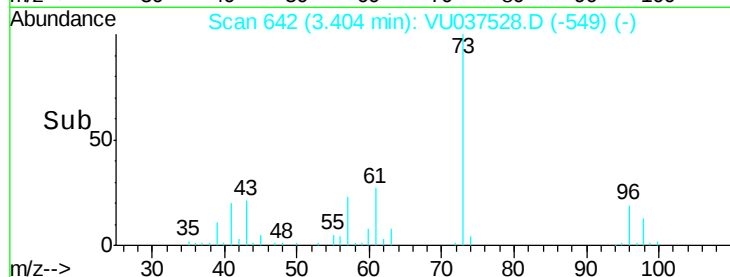
57 23.3 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VU037528.D (-549) (-)

Ion 43.05 (42.75 to 43.75): VU037528.D (-549) (-)

Ion 57.10 (56.80 to 57.80): VU037528.D (-549) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.72 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

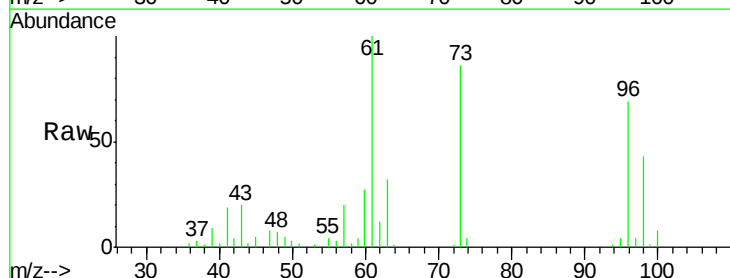
Tgt Ion: 96 Resp: 32532

Ion Ratio Lower Upper

96 100

61 145.2 97.4 181.0

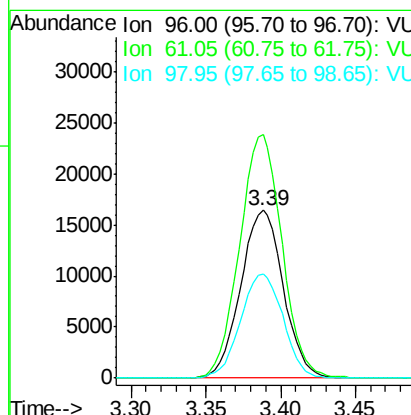
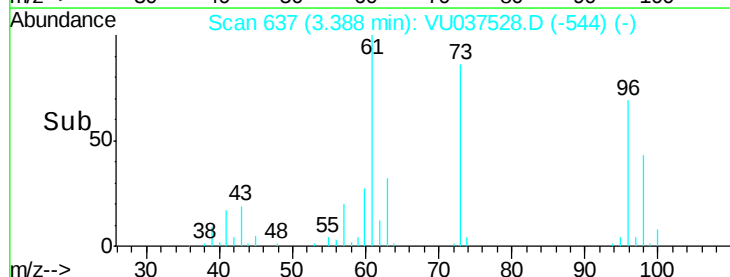
98 62.2 42.4 78.6

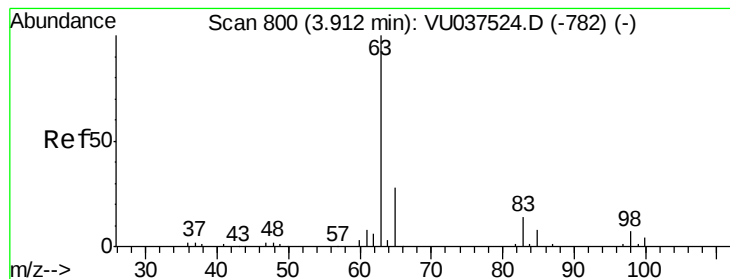


Abundance Ion 96.00 (95.70 to 96.70): VU037528.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU037528.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU037528.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 4.73 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

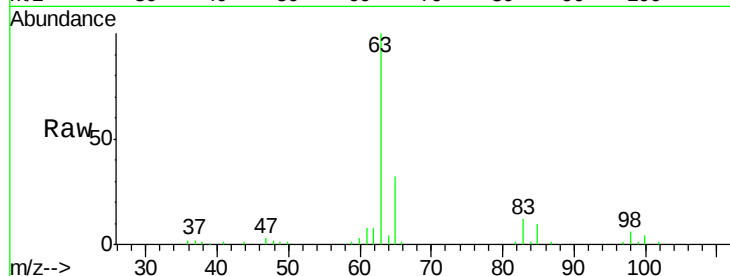
Tgt Ion: 63 Resp: 61211

Ion Ratio Lower Upper

63 100

65 32.2 19.9 36.9

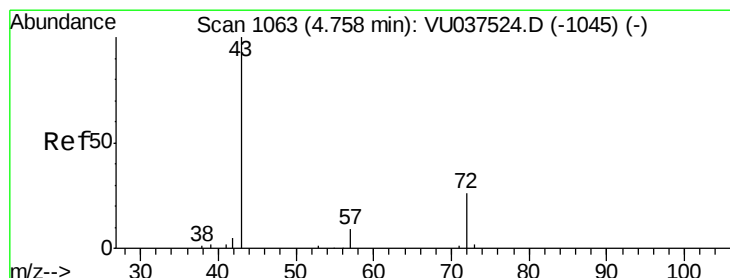
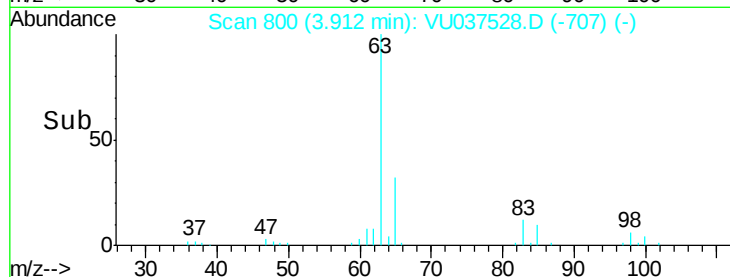
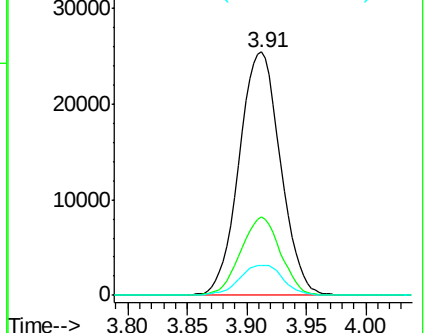
83 12.2 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU037528.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU037528.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU037528.D (-782) (-)



#21

2-Butanone

Concen: 48.52 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VU037528.D

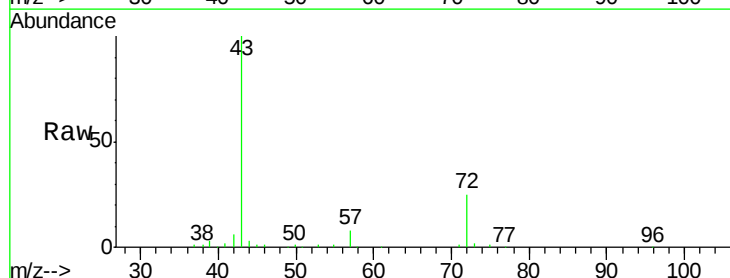
Acq: 01 Apr 2020 17:21

Tgt Ion: 43 Resp: 104956

Ion Ratio Lower Upper

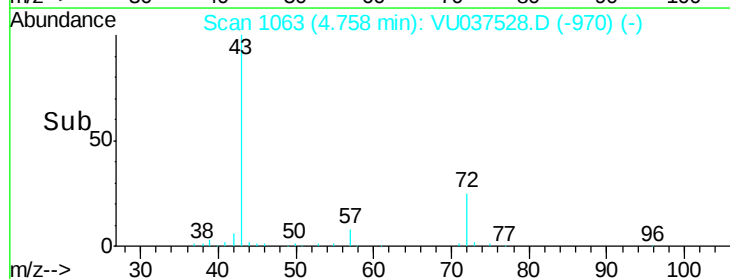
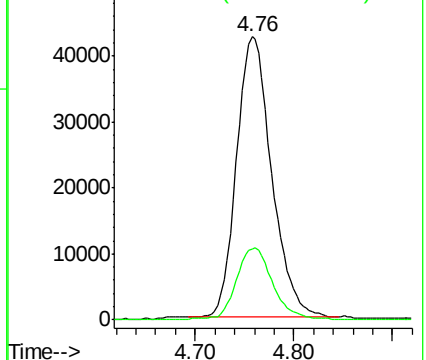
43 100

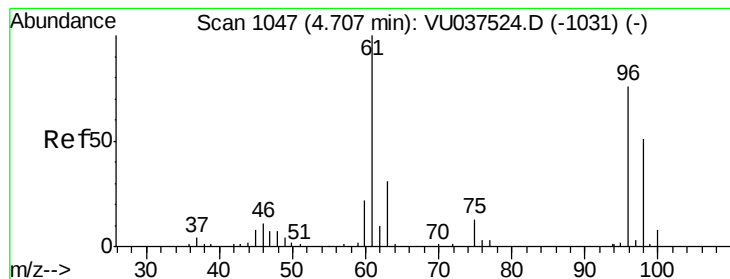
72 26.6 13.1 39.1



Abundance Ion 43.05 (42.75 to 43.75): VU037528.D (-1045) (-)

Ion 72.10 (71.80 to 72.80): VU037528.D (-1045) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.53 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

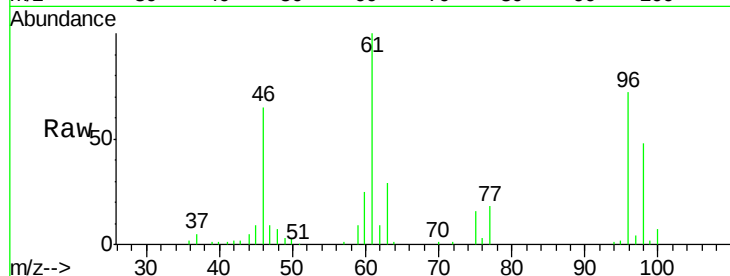
Tgt Ion: 96 Resp: 34077

Ion Ratio Lower Upper

96 100

61 139.7 92.0 170.9

68 0.0 0.0 0.0

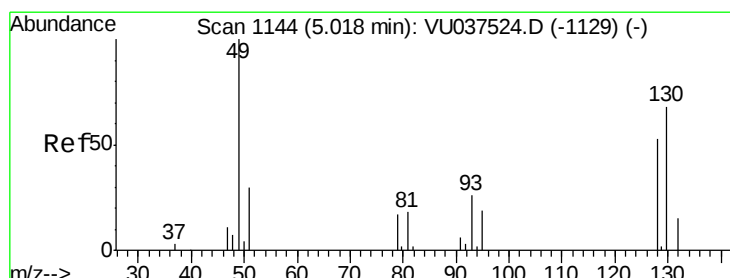
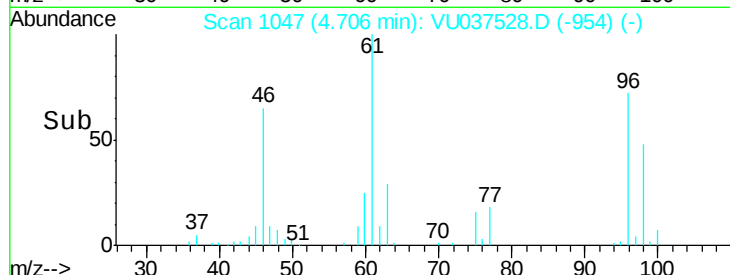
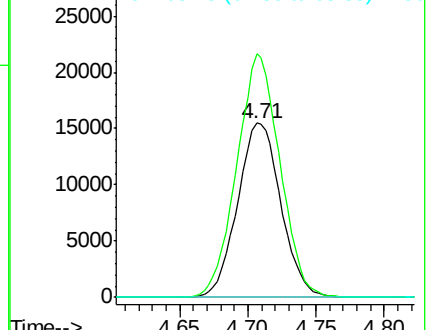


Abundance

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: 4.55 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Tgt Ion: 128 Resp: 14921

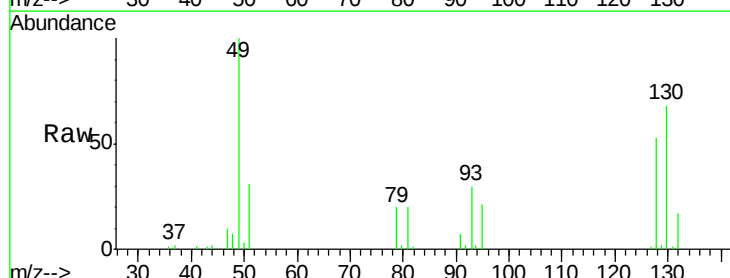
Ion Ratio Lower Upper

128 100

49 187.7 133.7 248.3

130 127.2 90.6 168.2

51 58.6 45.2 67.8



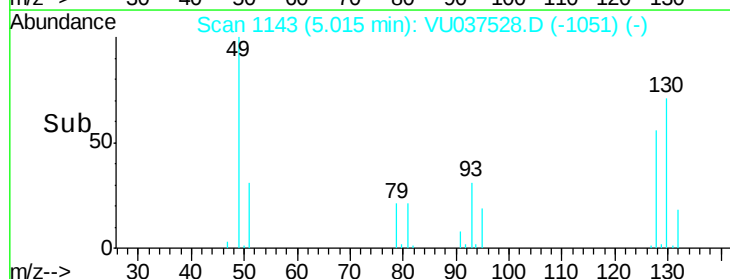
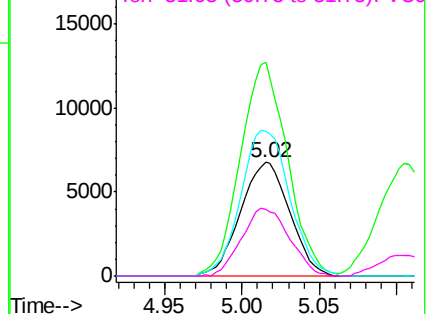
Abundance

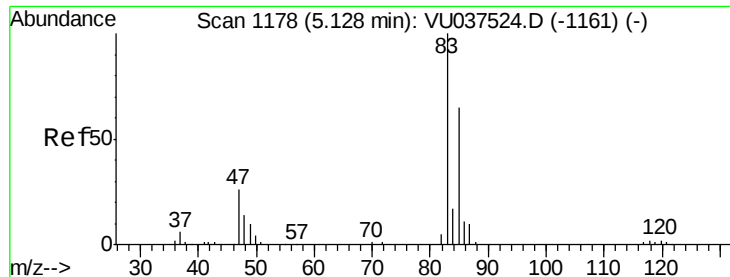
Ion 127.90 (127.60 to 128.60): V

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

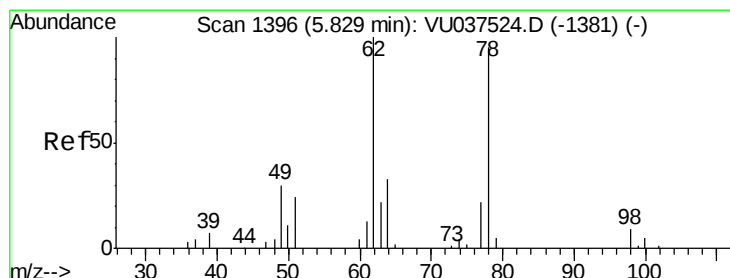
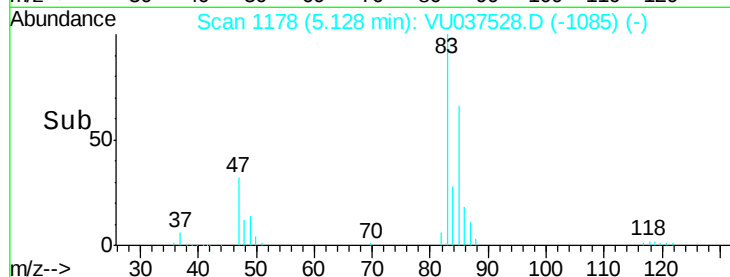
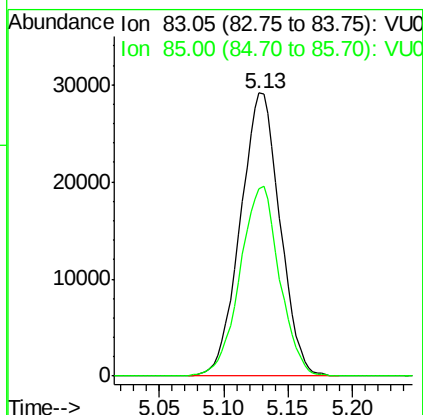
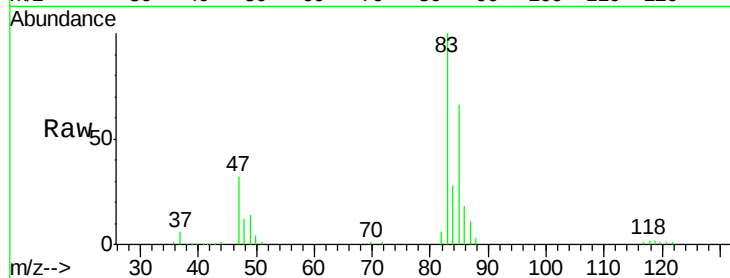




#25
Chloroform
Concen: 4.68 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037528.D
Acq: 01 Apr 2020 17:21

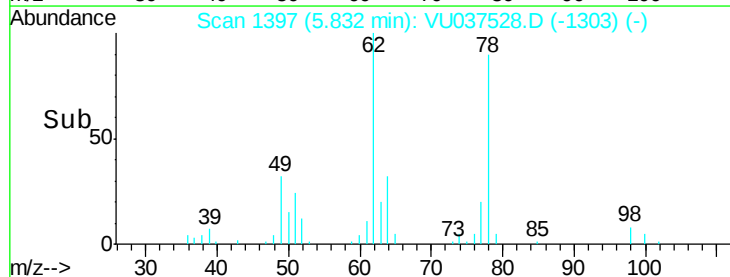
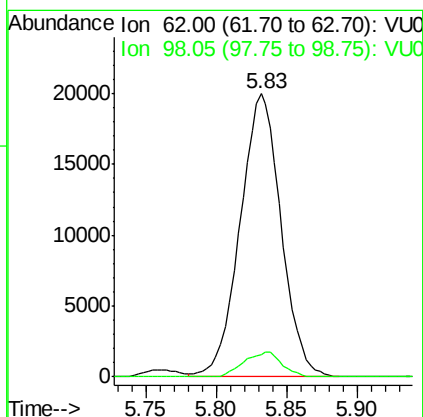
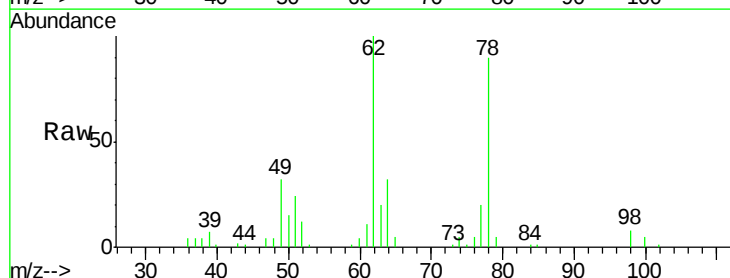
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

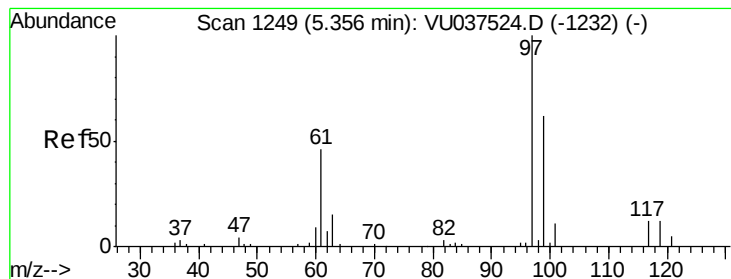
Tgt Ion: 83 Resp: 62431
Ion Ratio Lower Upper
83 100
85 66.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.74 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037528.D
Acq: 01 Apr 2020 17:21

Tgt Ion: 62 Resp: 40566
Ion Ratio Lower Upper
62 100
98 8.0 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 4.72 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

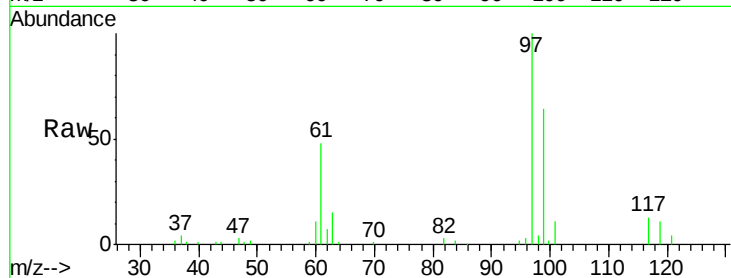
Tgt Ion: 97 Resp: 55008

Ion Ratio Lower Upper

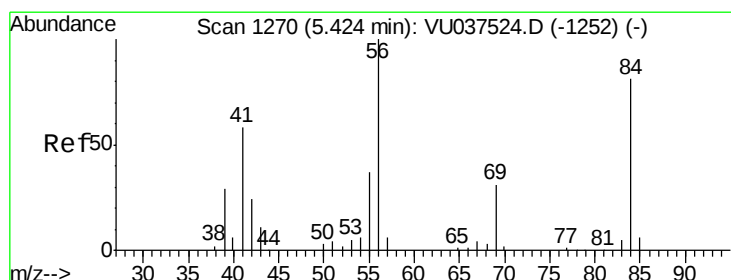
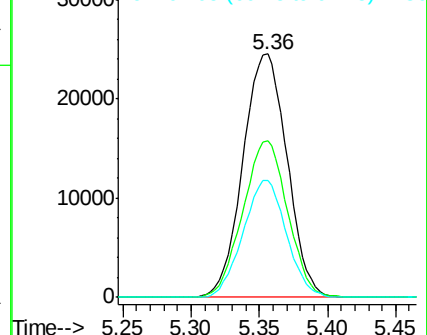
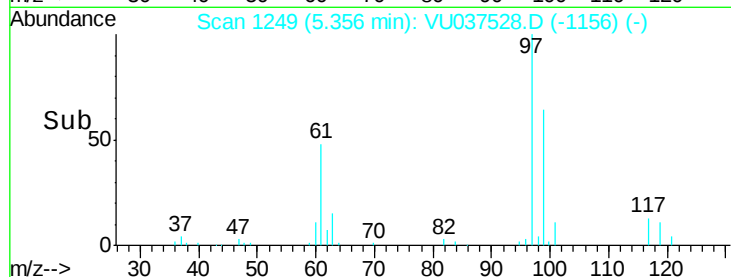
97 100

99 65.2 50.6 76.0

61 47.1 35.2 52.8



Abundance Ion 96.95 (96.65 to 97.65): VU037528.D (-1156) (-)



#30

Cyclohexane

Concen: 4.74 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

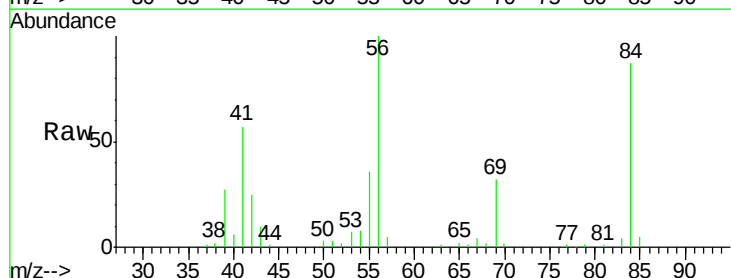
Tgt Ion: 56 Resp: 60007

Ion Ratio Lower Upper

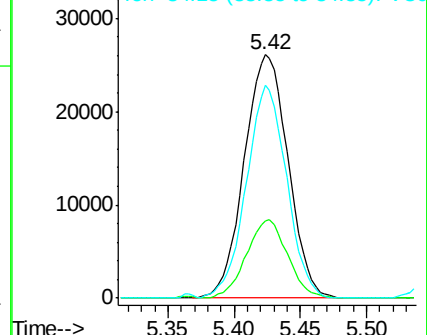
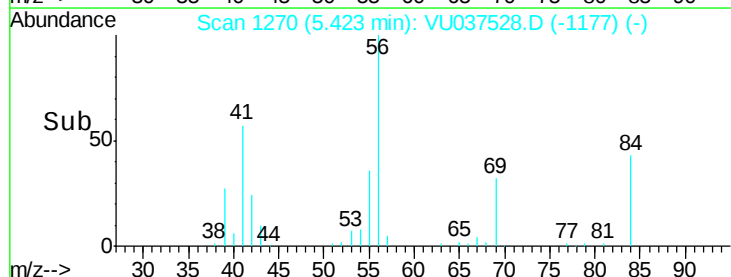
56 100

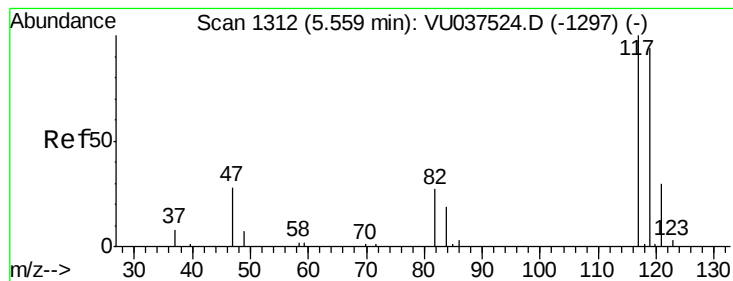
69 30.2 23.9 35.9

84 80.4 65.6 98.4



Abundance Ion 56.10 (55.80 to 56.80): VU037528.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 4.95 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

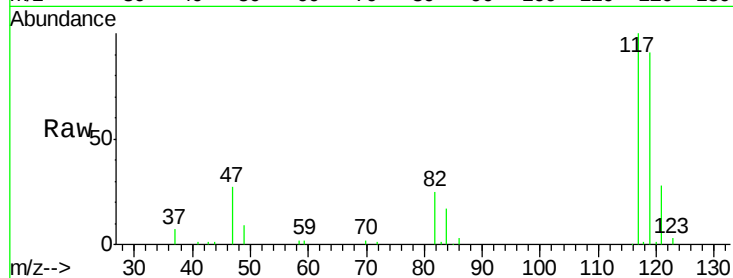
VSTD00525

Tgt Ion:117 Resp: 46917

Ion Ratio Lower Upper

117 100

119 91.4 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

25000

20000

15000

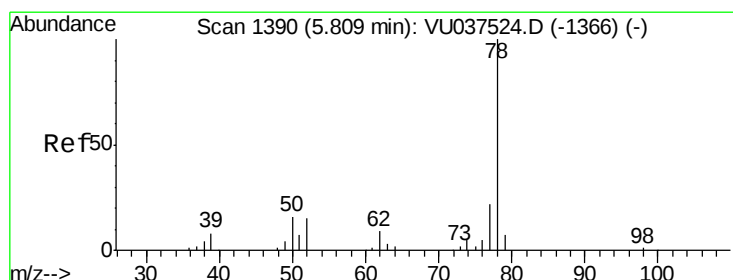
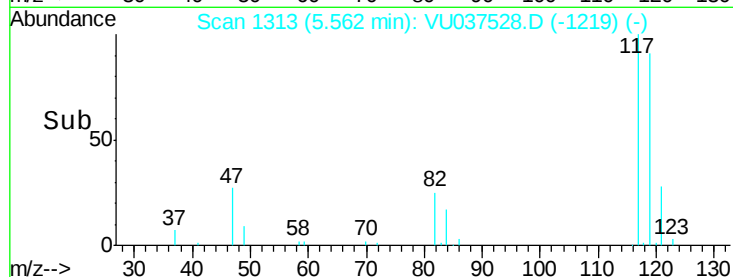
10000

5000

0

Time-->

5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.70 ug/L

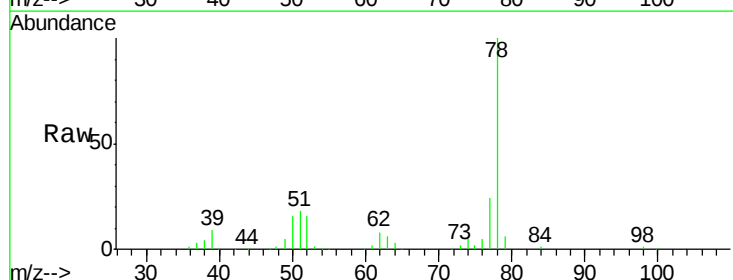
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Tgt Ion: 78 Resp: 135218



Abundance Ion 78.10 (77.80 to 78.80): VU0

80000

60000

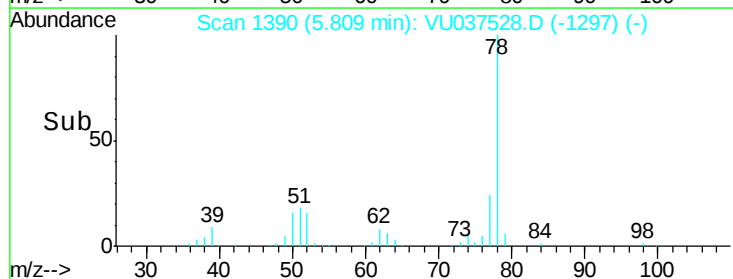
40000

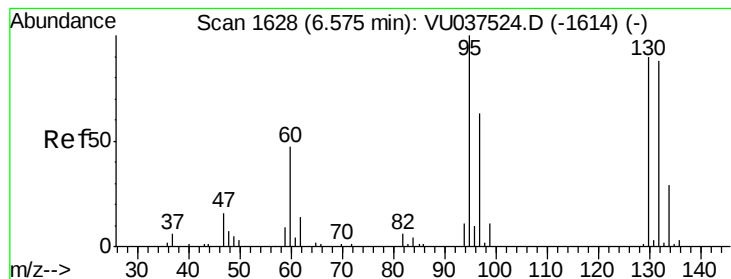
20000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.77 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion: 95 Resp: 36234

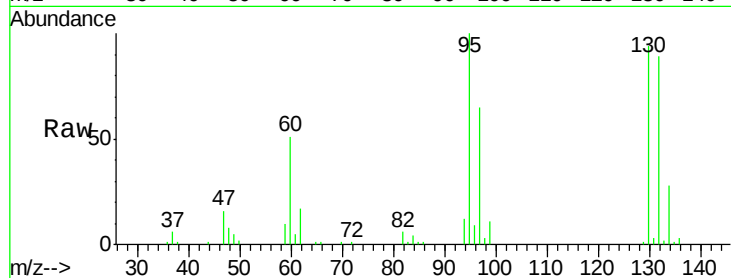
Ion Ratio Lower Upper

95 100

97 65.2 44.0 81.8

132 89.4 61.9 114.9

130 93.8 62.7 116.5



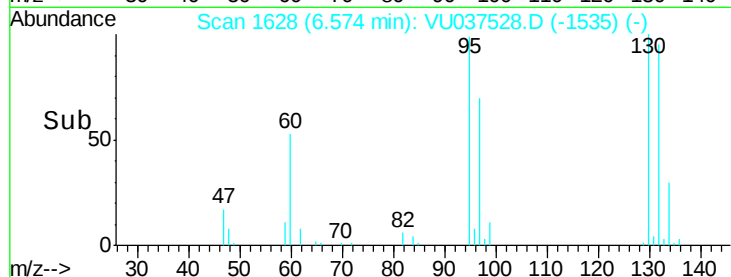
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



Abundance

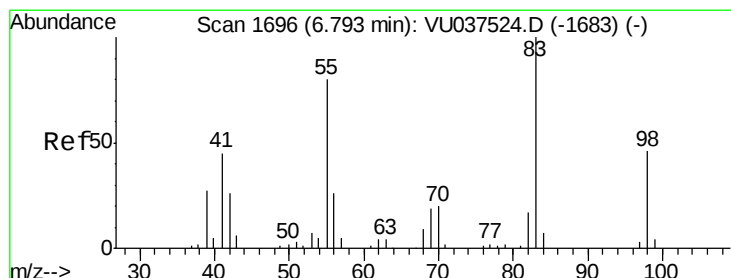
Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



#35

Methylcyclohexane

Concen: 4.59 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

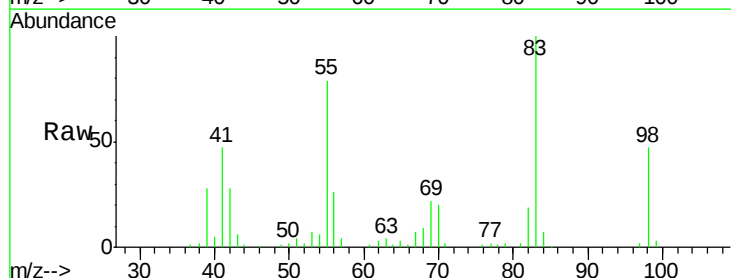
Tgt Ion: 83 Resp: 58243

Ion Ratio Lower Upper

83 100

55 81.0 63.0 94.6

98 46.7 35.3 52.9

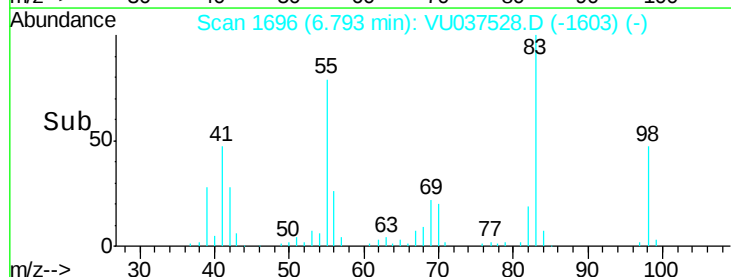


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->



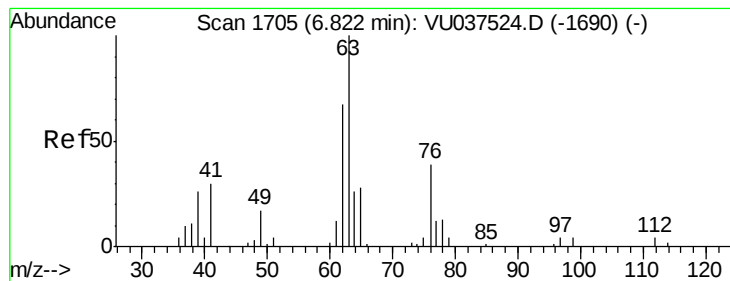
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->



#37

1,2-Dichloropropane

Concen: 4.73 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

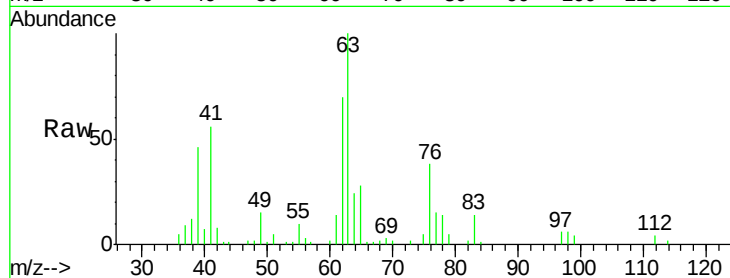
VSTD00525

Tgt Ion: 63 Resp: 36730

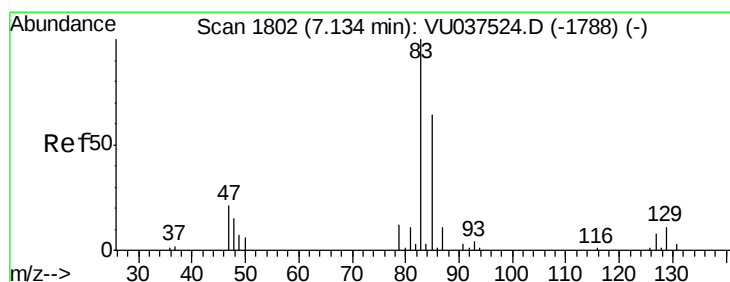
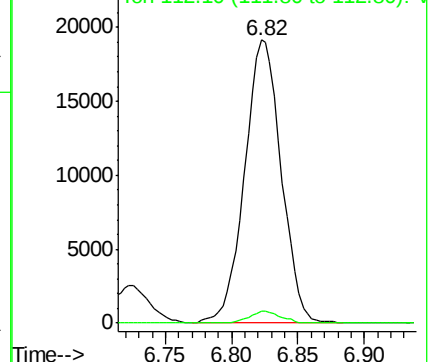
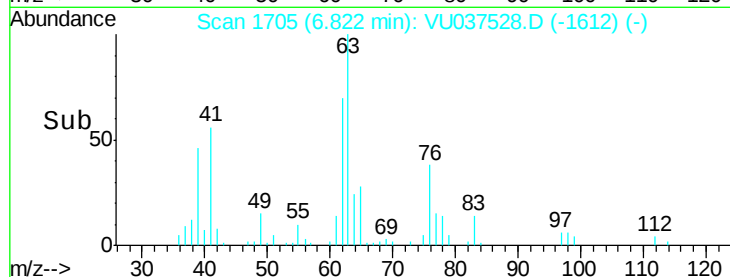
Ion Ratio Lower Upper

63 100

112 3.6 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VU037528.D (-1612) (-)



#38

Bromodichloromethane

Concen: 4.68 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

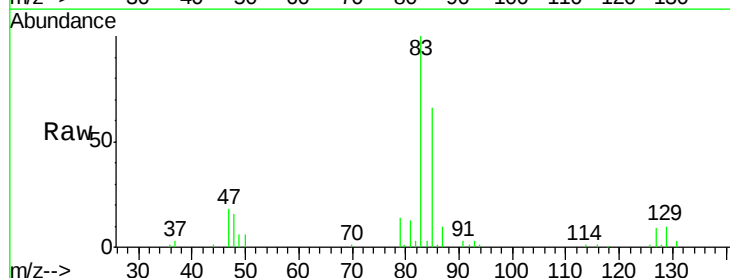
Tgt Ion: 83 Resp: 46393

Ion Ratio Lower Upper

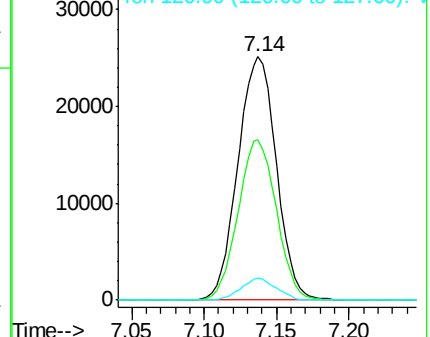
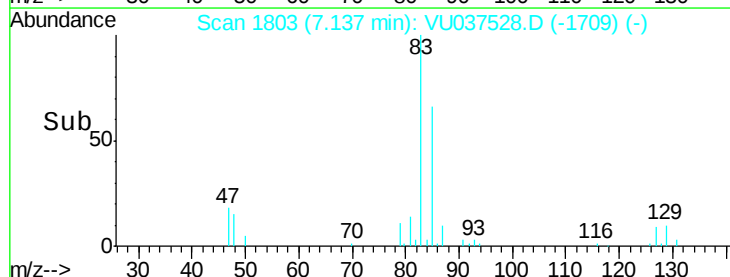
83 100

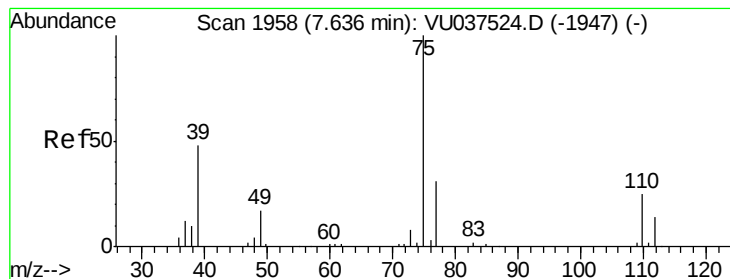
85 65.7 44.4 82.5

127 8.9 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU037528.D (-1709) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.58 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

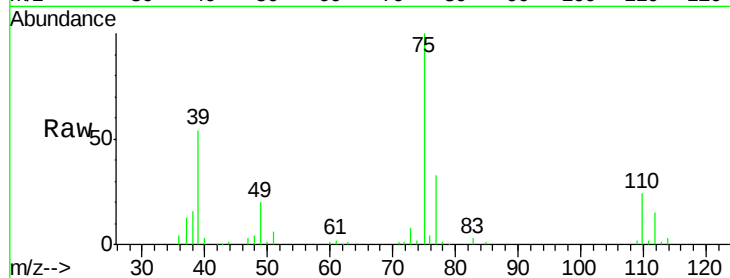
VSTD00525

Tgt Ion: 75 Resp: 54442

Ion Ratio Lower Upper

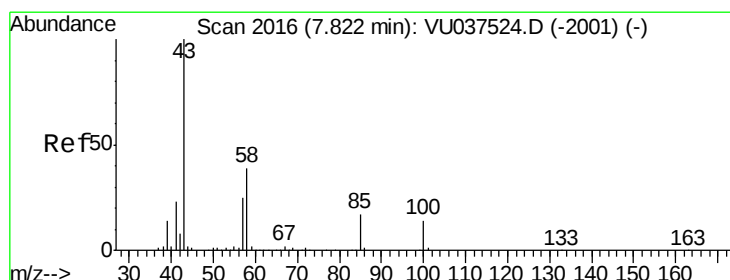
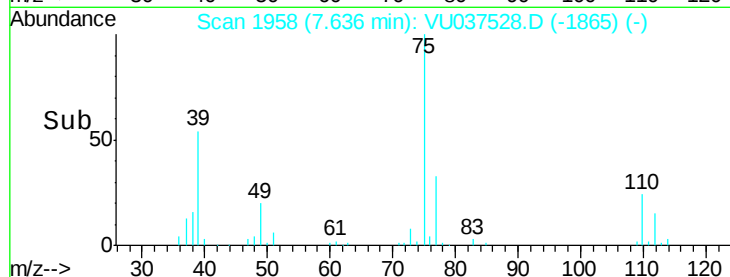
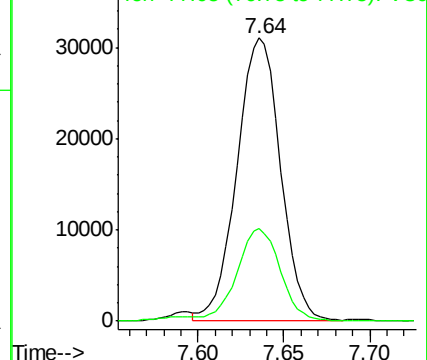
75 100

77 32.8 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 47.18 ug/L

RT: 7.82 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

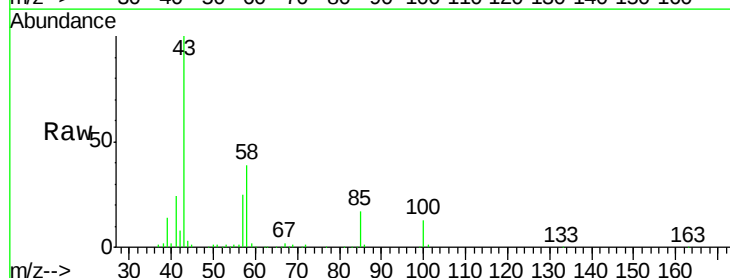
Tgt Ion: 43 Resp: 255040

Ion Ratio Lower Upper

43 100

58 39.4 31.7 47.5

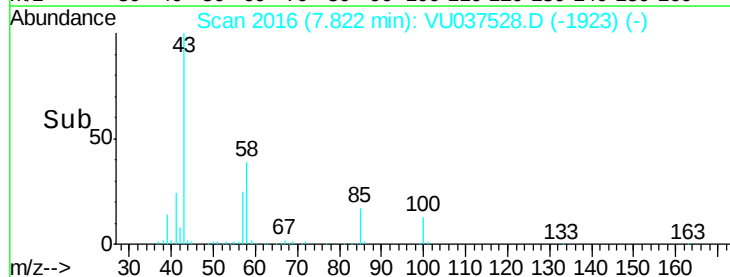
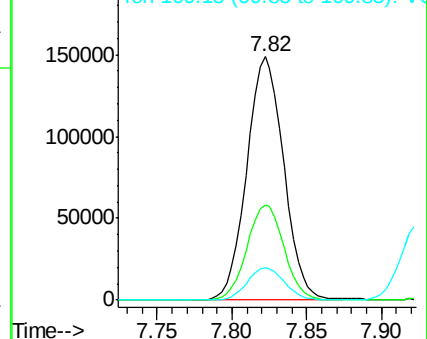
100 13.5 11.0 16.6

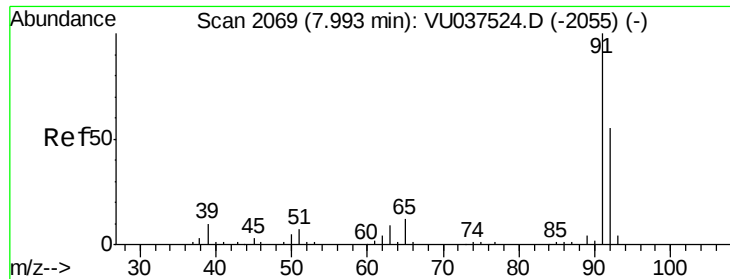


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 4.72 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

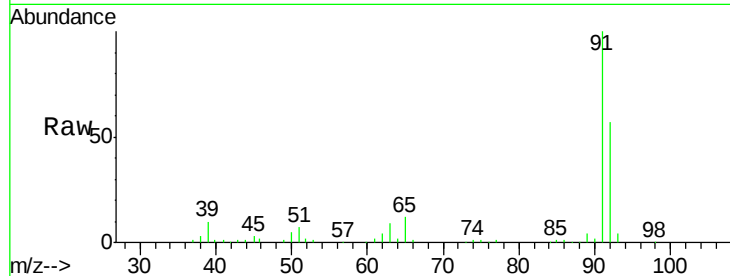
VSTD00525

Tgt Ion: 91 Resp: 144352

Ion Ratio Lower Upper

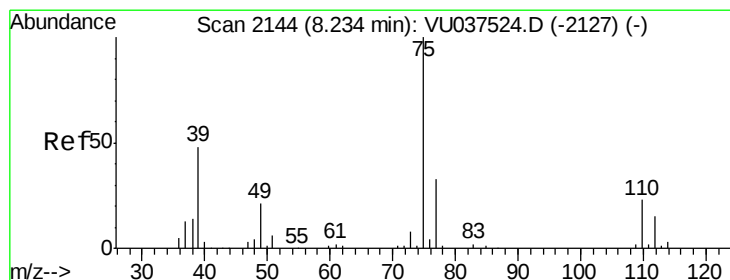
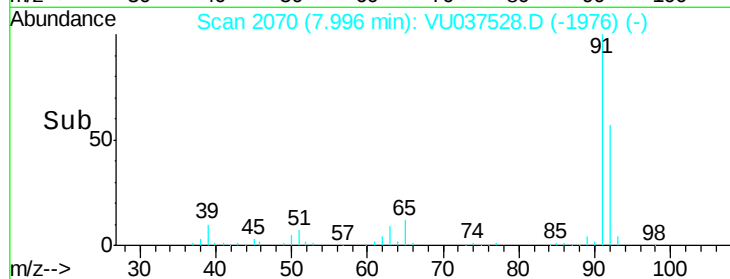
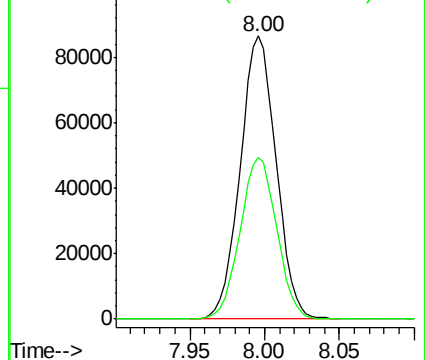
91 100

92 57.1 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU037528.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU037528.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.76 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037528.D

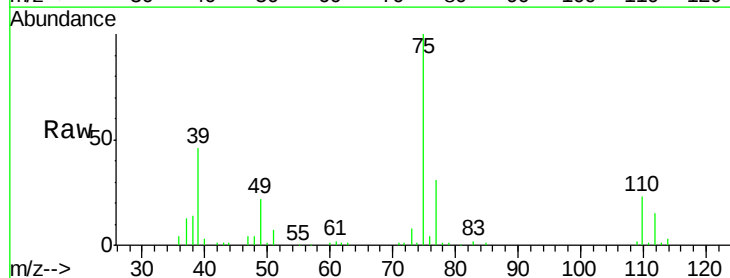
Acq: 01 Apr 2020 17:21

Tgt Ion: 75 Resp: 49589

Ion Ratio Lower Upper

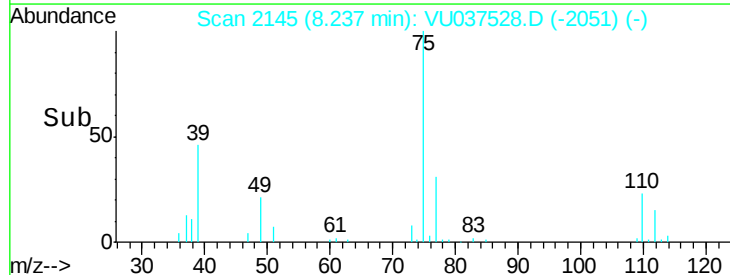
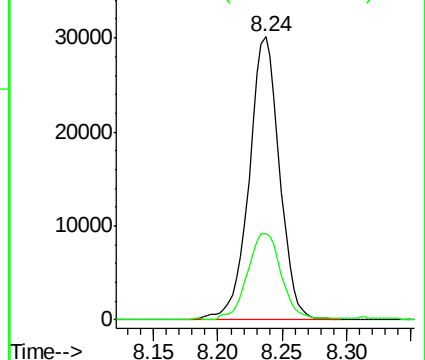
75 100

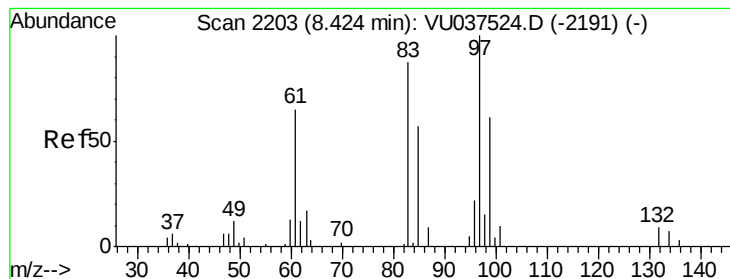
77 30.7 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037528.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU037528.D (-2051) (-)





#45

1,1,2-Trichloroethane

Concen: 4.68 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion: 97 Resp: 25420

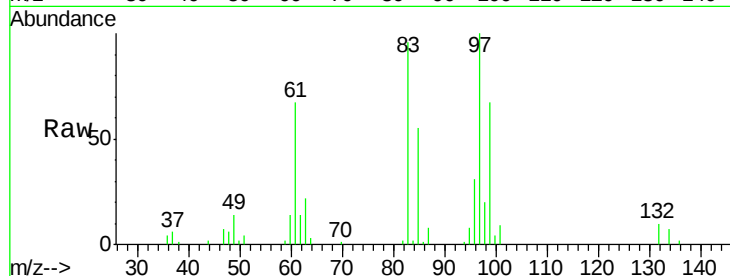
Ion Ratio Lower Upper

97 100

99 67.1 42.8 79.4

83 96.1 61.0 113.4

85 54.9 39.8 73.8

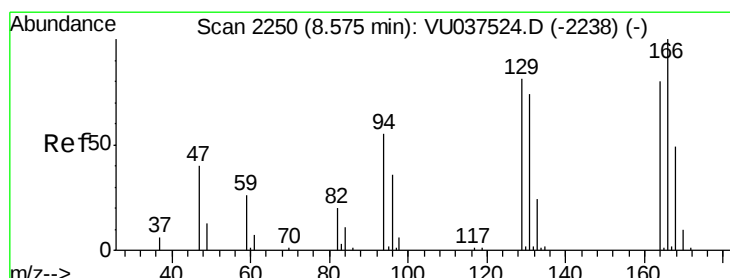
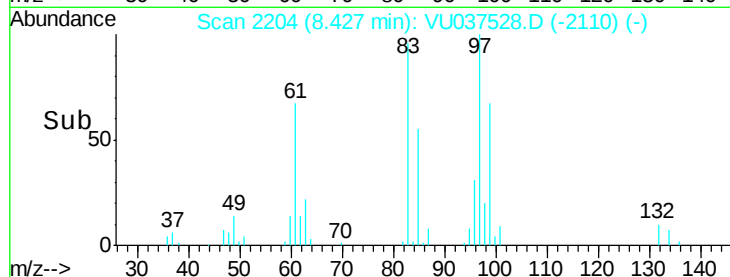
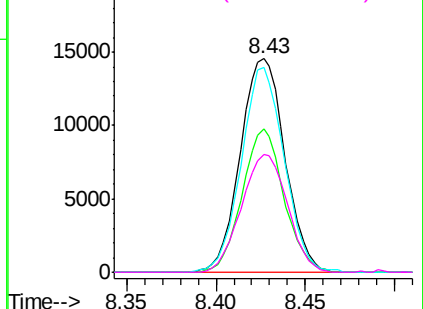


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.78 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Tgt Ion: 164 Resp: 23726

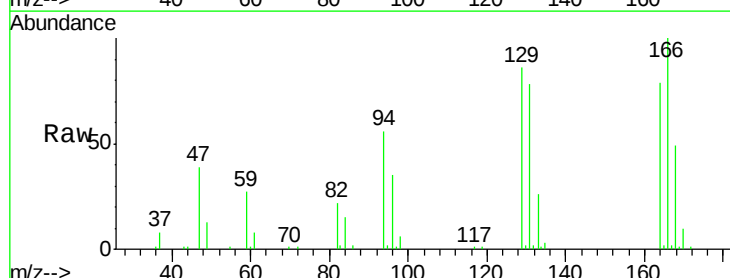
Ion Ratio Lower Upper

164 100

129 107.6 70.4 130.8

131 97.8 64.4 119.6

166 125.8 87.1 161.7

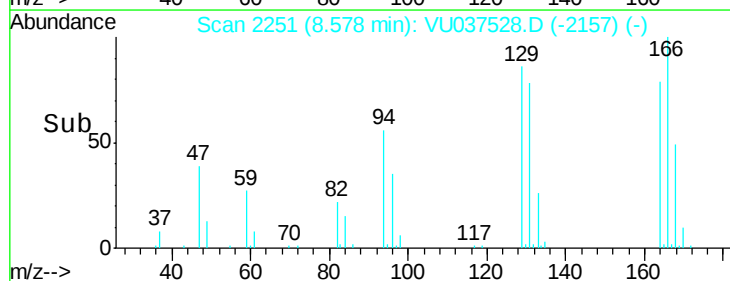
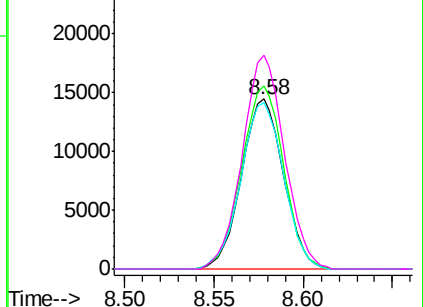


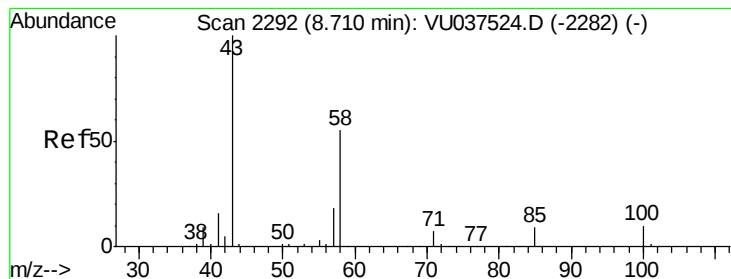
Abundance Ion 163.90 (163.60 to 164.60): V

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: 48.57 ug/L

RT: 8.71 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion: 43 Resp: 190191

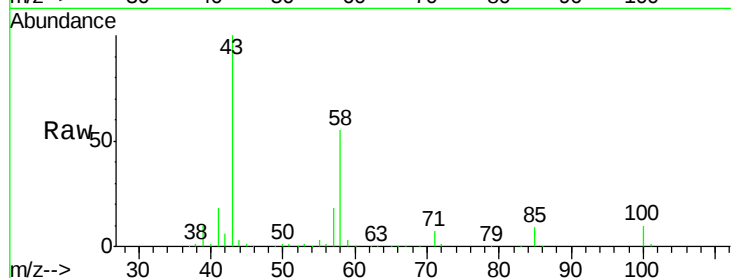
Ion Ratio Lower Upper

43 100

58 54.6 45.0 67.6

57 18.5 14.9 22.3

100 10.0 8.4 12.6

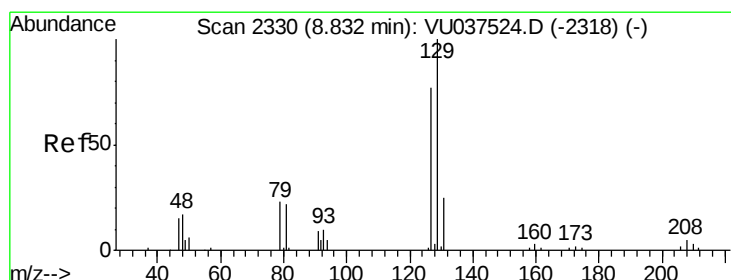
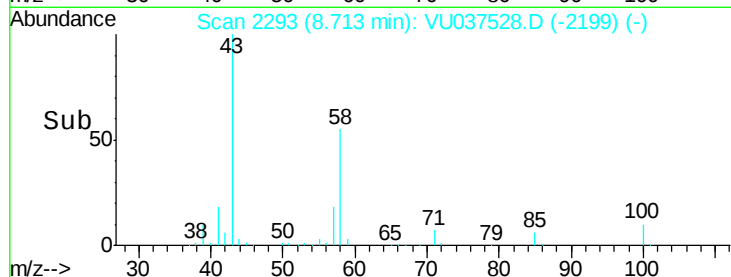
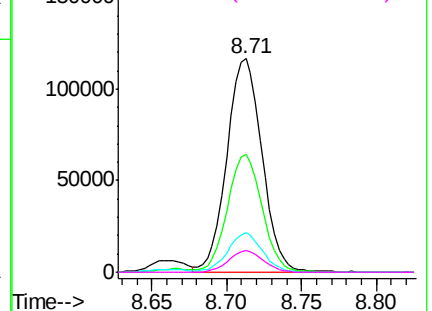


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 4.74 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037528.D

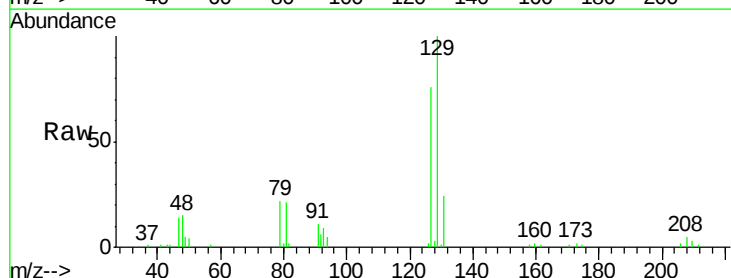
Acq: 01 Apr 2020 17:21

Tgt Ion: 129 Resp: 30620

Ion Ratio Lower Upper

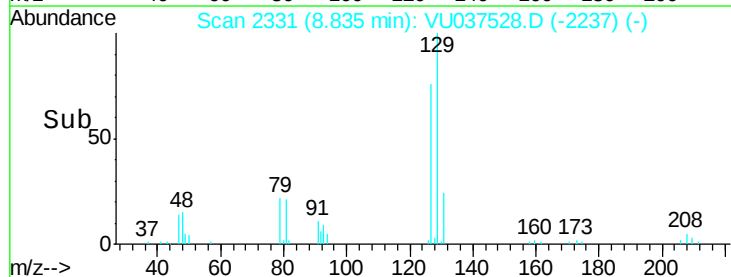
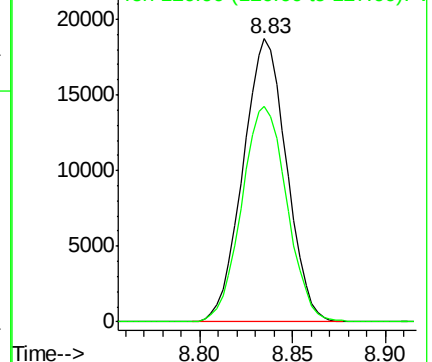
129 100

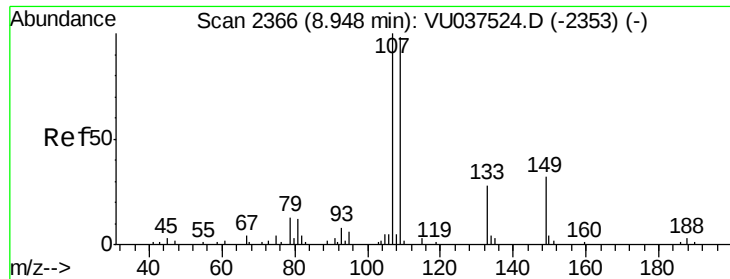
127 75.9 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

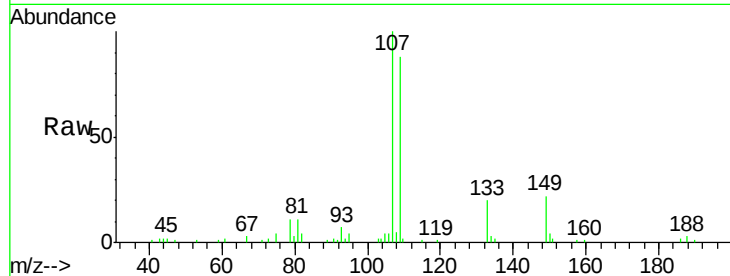




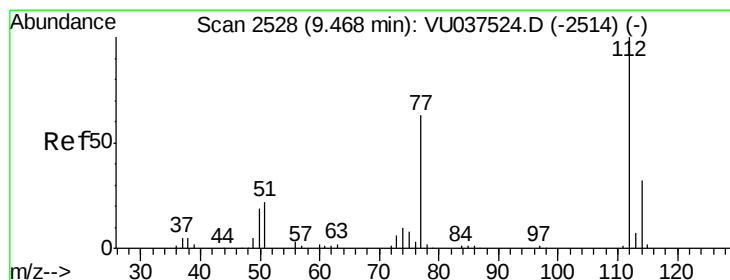
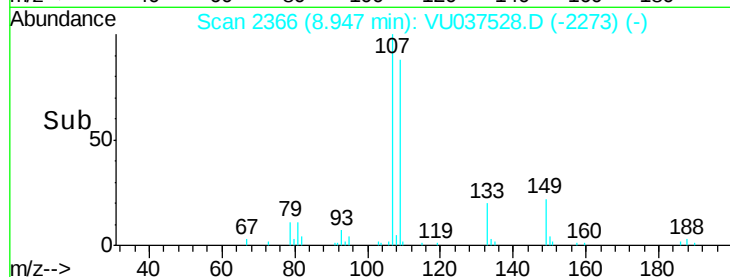
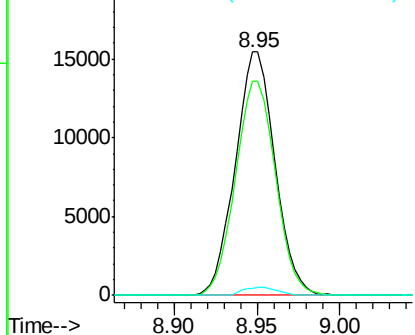
#50
1,2-Dibromoethane
Concen: 4.87 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037528.D
Acq: 01 Apr 2020 17:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion:107 Resp: 25735
Ion Ratio Lower Upper
107 100
109 88.2 68.9 127.9
188 3.0 2.2 3.4

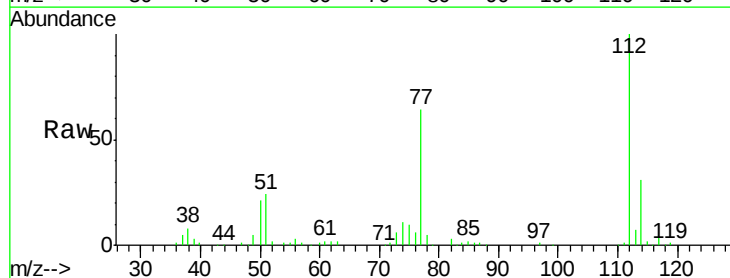


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

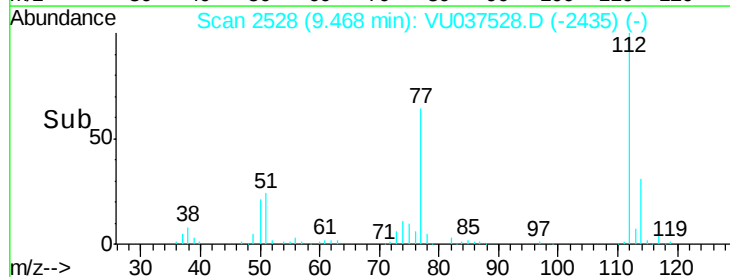
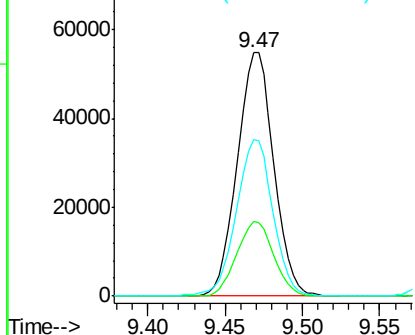


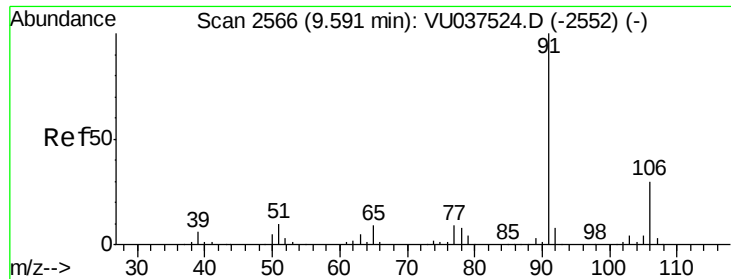
#51
Chlorobenzene
Concen: 4.77 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037528.D
Acq: 01 Apr 2020 17:21

Tgt Ion:112 Resp: 89941
Ion Ratio Lower Upper
112 100
114 30.8 22.4 41.6
77 64.2 50.7 76.1



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: 4.76 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

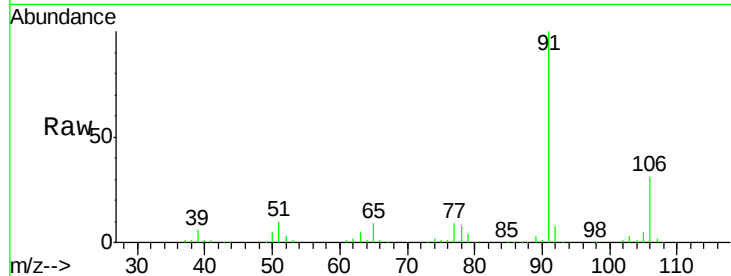
VSTD00525

Tgt Ion: 91 Resp: 165886

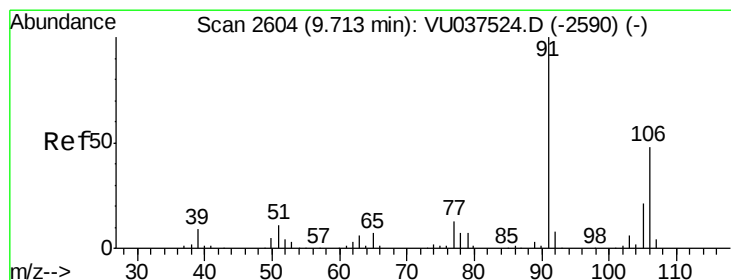
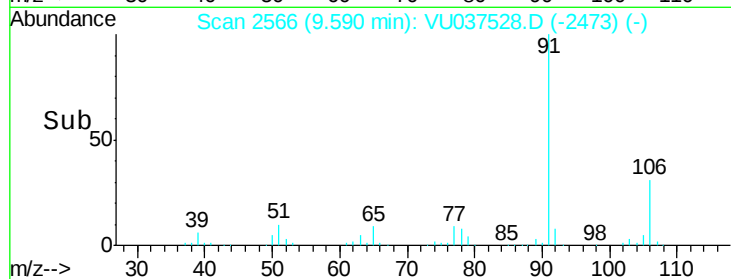
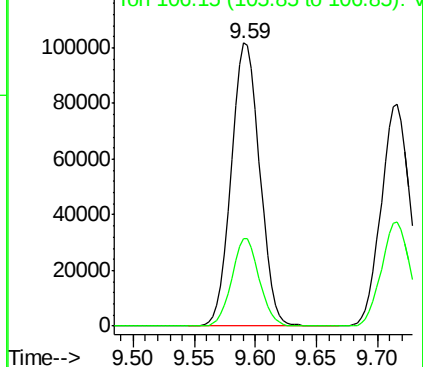
Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU037528.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.69 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037528.D

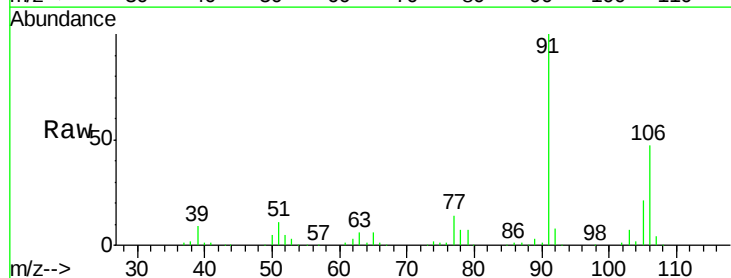
Acq: 01 Apr 2020 17:21

Tgt Ion: 106 Resp: 61334

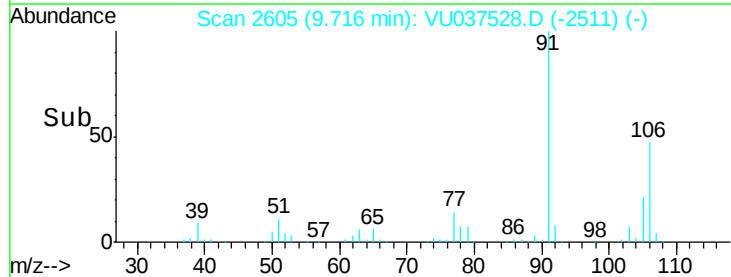
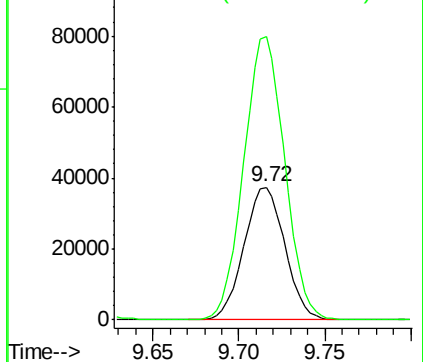
Ion Ratio Lower Upper

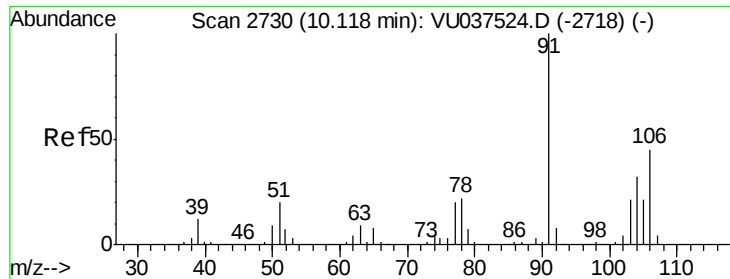
106 100

91 213.5 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU037528.D (-2590) (-)

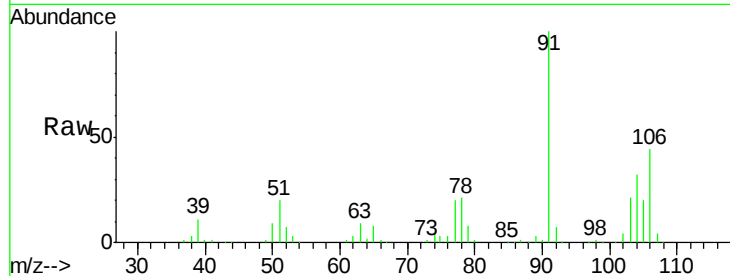




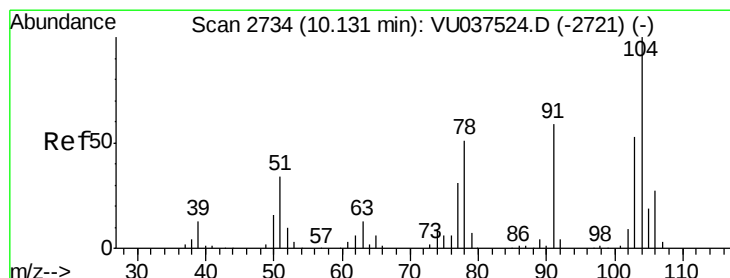
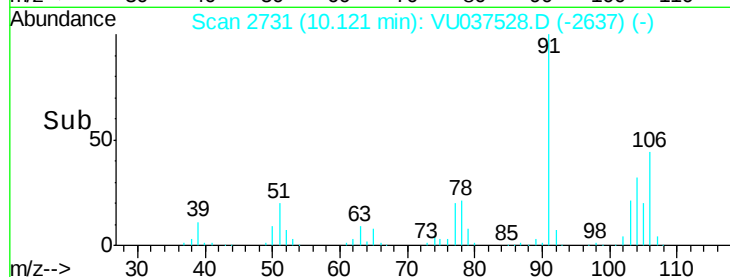
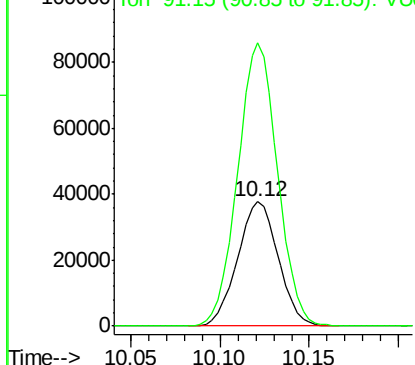
#54
o-Xylene
Concen: 4.76 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037528.D
Acq: 01 Apr 2020 17:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion:106 Resp: 60052
Ion Ratio Lower Upper
106 100
91 228.1 156.8 291.2

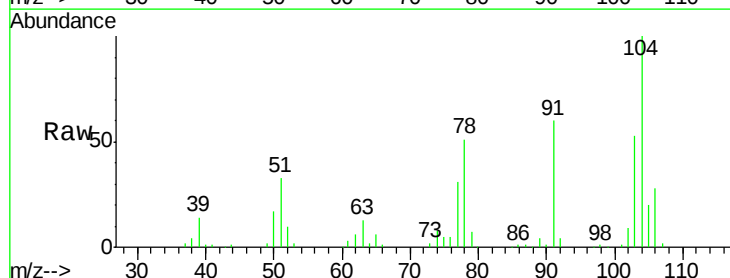


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

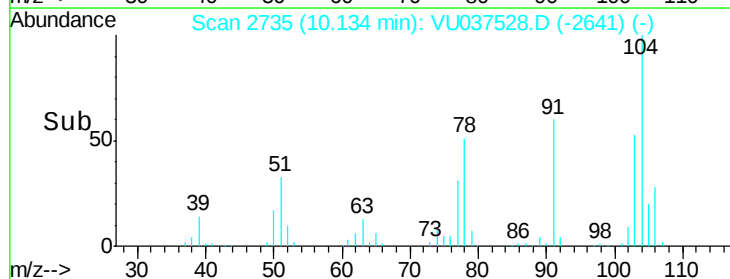
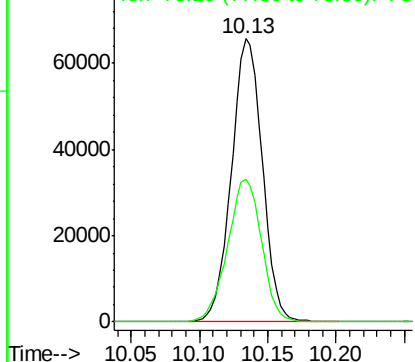


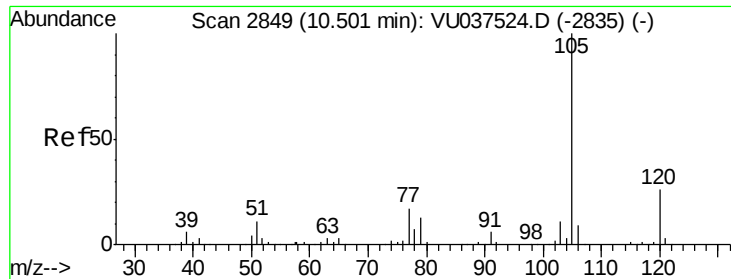
#55
Styrene
Concen: 4.74 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037528.D
Acq: 01 Apr 2020 17:21

Tgt Ion:104 Resp: 103222
Ion Ratio Lower Upper
104 100
78 50.6 36.1 67.1



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





#56

Isopropylbenzene

Concen: 4.71 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

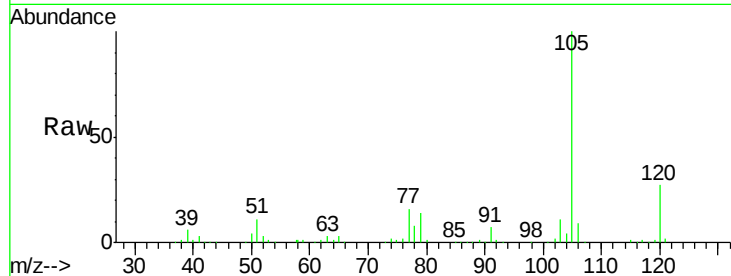
Tgt Ion: 105 Resp: 161752

Ion Ratio Lower Upper

105 100

120 26.3 20.6 31.0

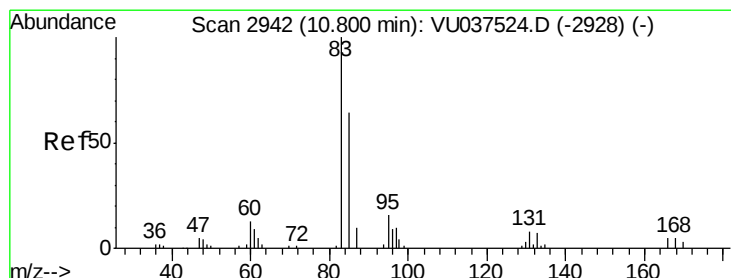
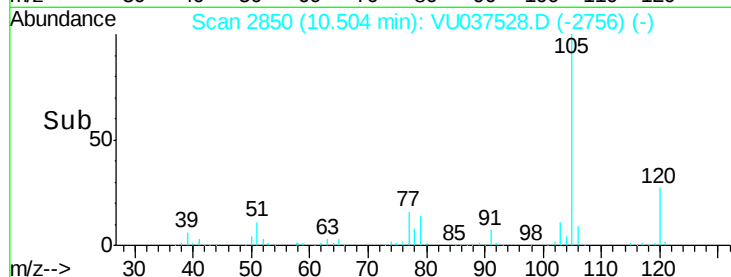
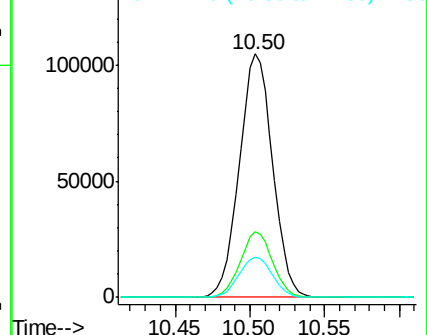
77 16.7 13.5 20.3



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: 4.61 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

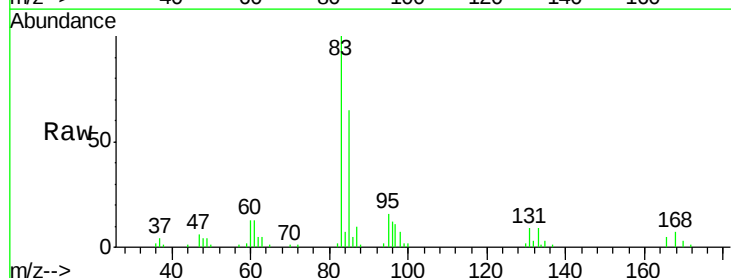
Tgt Ion: 83 Resp: 33657

Ion Ratio Lower Upper

83 100

85 64.8 45.2 84.0

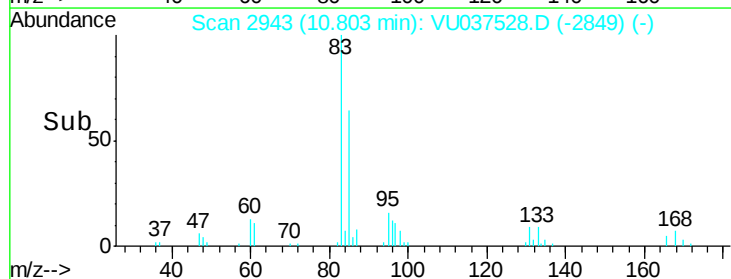
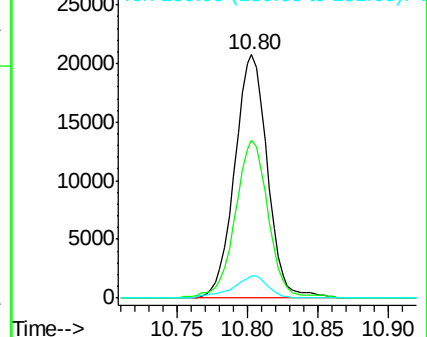
131 9.1 6.6 9.8

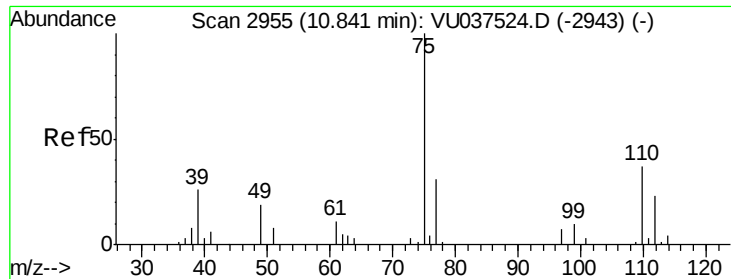


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

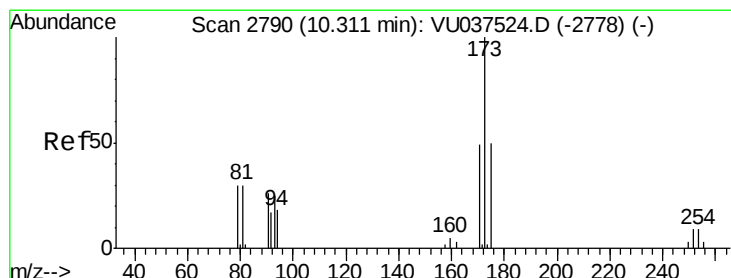
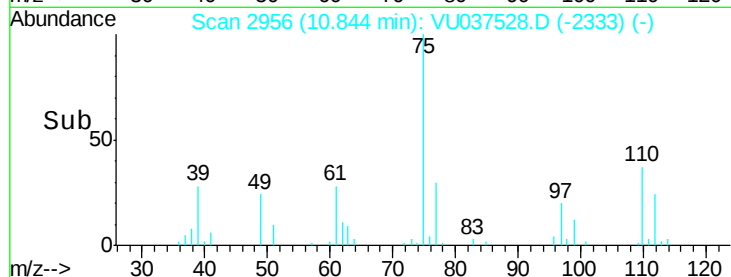
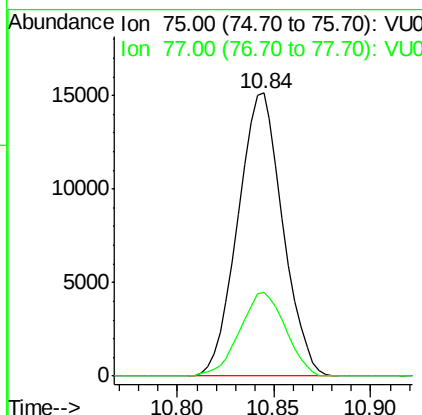
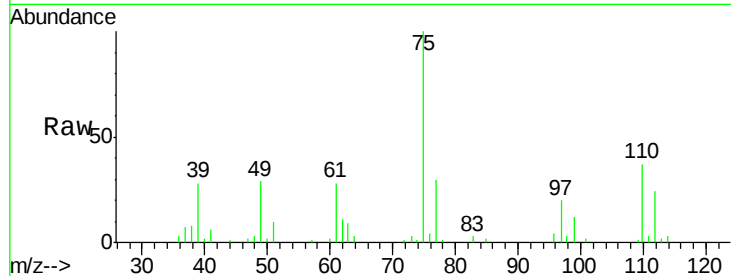




#59
 1,2,3-Trichloropropane
 Concen: 4.80 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037528.D
 Acq: 01 Apr 2020 17:21

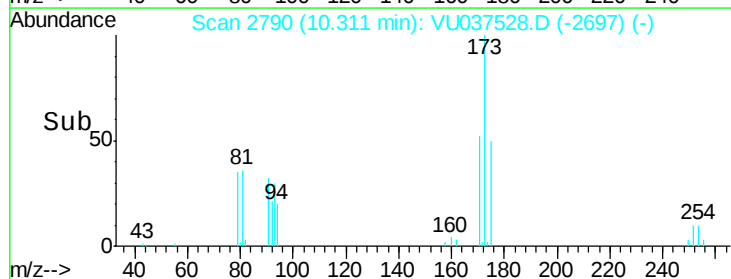
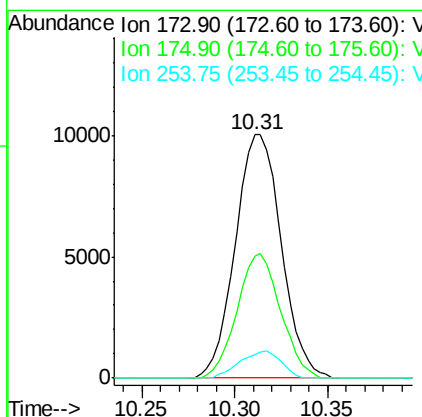
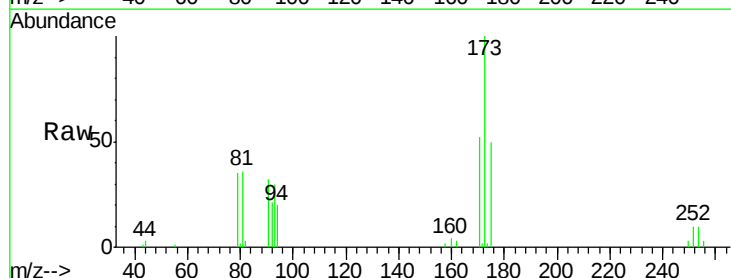
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

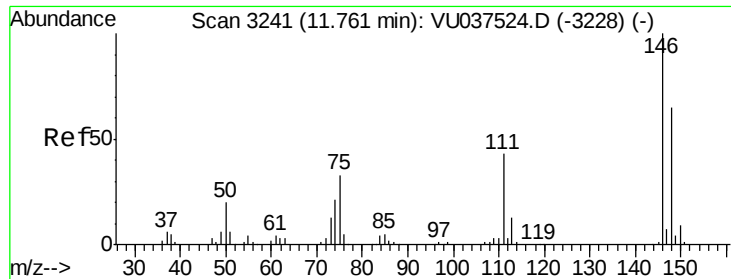
Tgt Ion: 75 Resp: 24414
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.8 38.6



#61
 Bromoform
 Concen: 4.69 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU037528.D
 Acq: 01 Apr 2020 17:21

Tgt Ion: 173 Resp: 17274
 Ion Ratio Lower Upper
 173 100
 175 48.3 37.2 55.8
 254 9.9 7.7 11.5

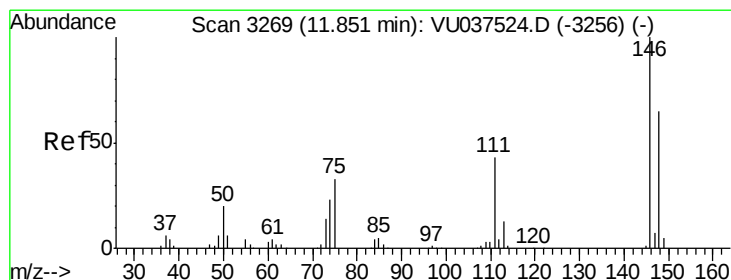
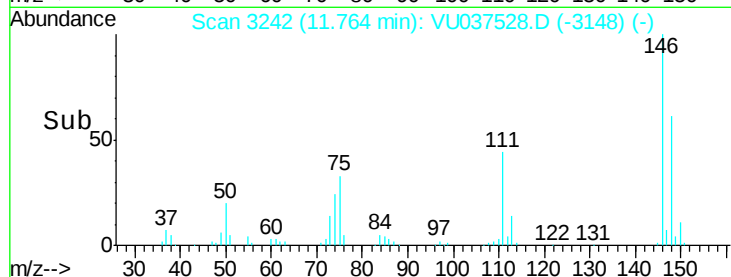
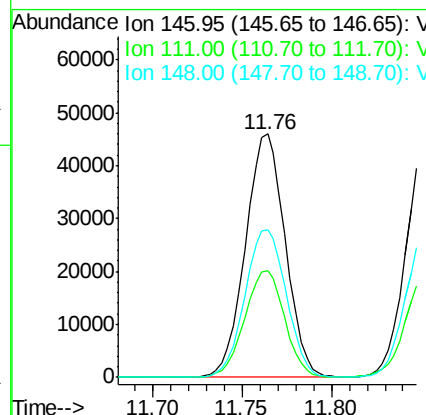
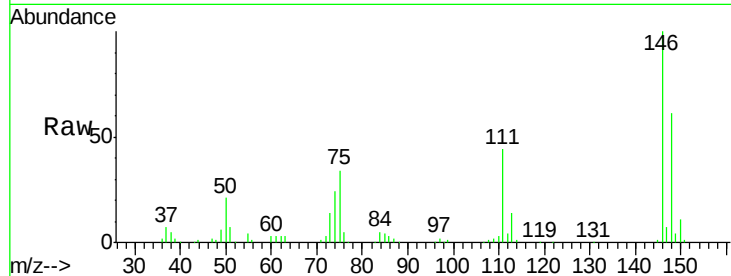




#62
 1,3-Dichlorobenzene
 Concen: 4.86 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037528.D
 Acq: 01 Apr 2020 17:21

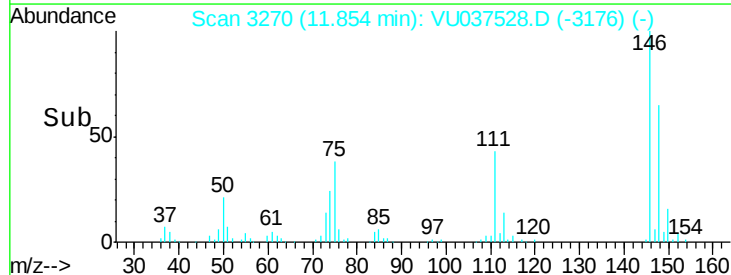
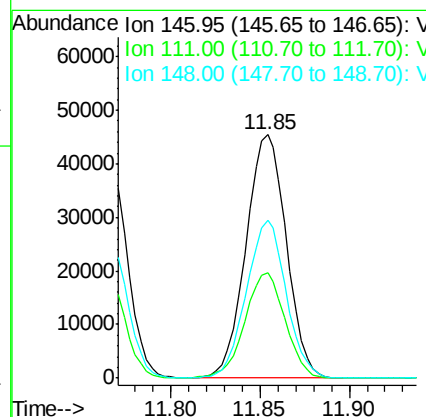
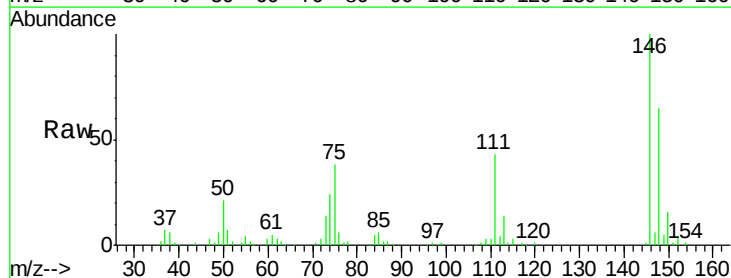
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

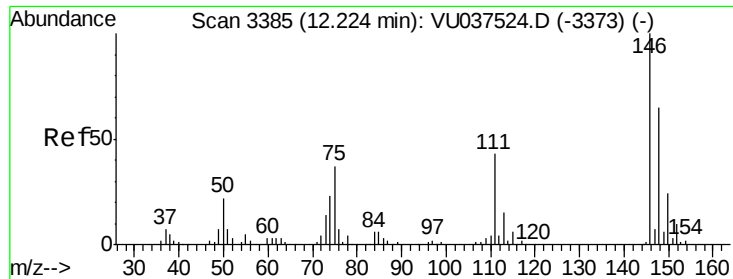
Tgt Ion:146 Resp: 71940
 Ion Ratio Lower Upper
 146 100
 111 43.7 29.8 55.4
 148 60.7 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.78 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037528.D
 Acq: 01 Apr 2020 17:21

Tgt Ion:146 Resp: 71974
 Ion Ratio Lower Upper
 146 100
 111 43.3 29.9 55.5
 148 64.8 45.6 84.8





#65

1,2-Dichlorobenzene

Concen: 4.65 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

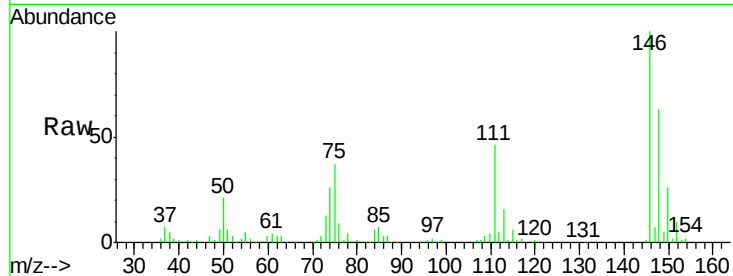
Tgt Ion:146 Resp: 65875

Ion Ratio Lower Upper

146 100

111 46.4 34.2 51.4

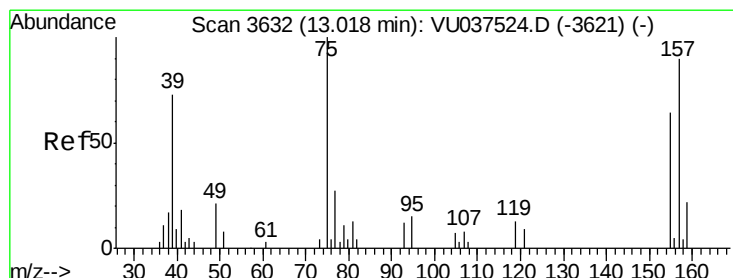
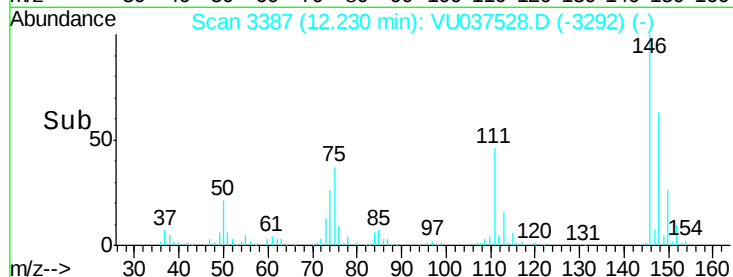
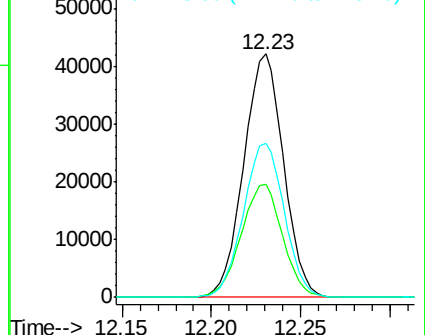
148 63.4 52.2 78.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.95 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

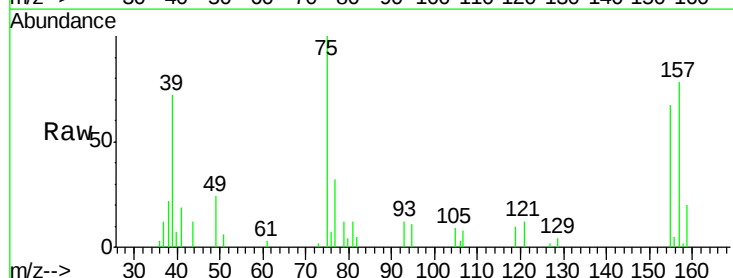
Tgt Ion: 75 Resp: 6729

Ion Ratio Lower Upper

75 100

155 67.3 51.0 76.4

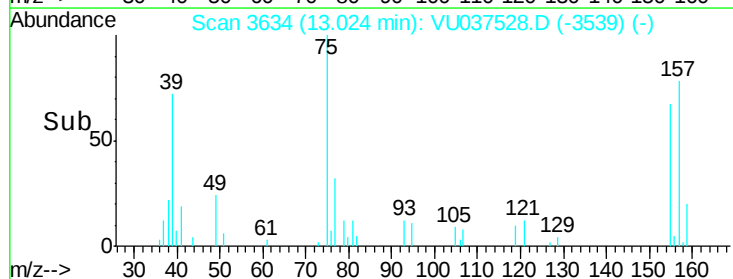
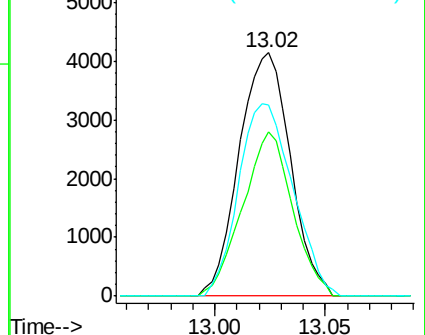
157 78.4 72.0 108.0

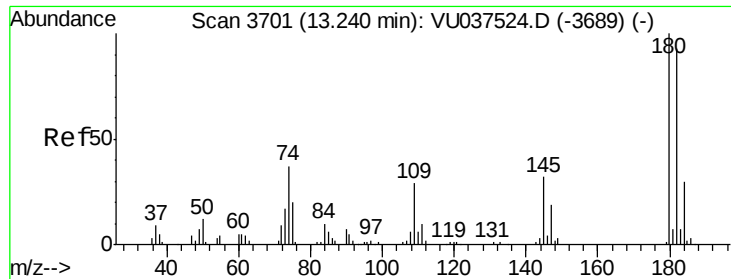


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

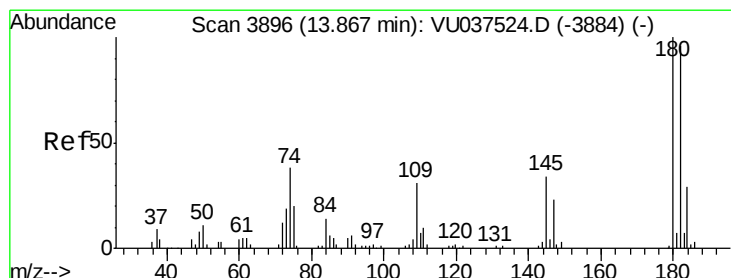
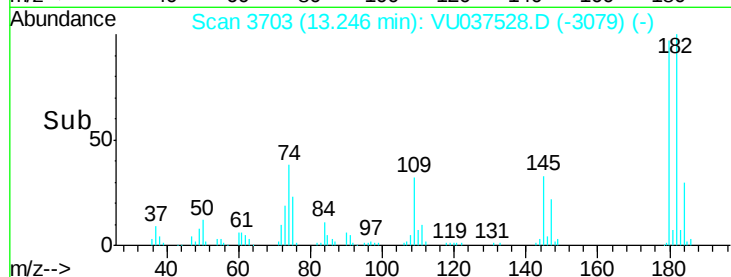
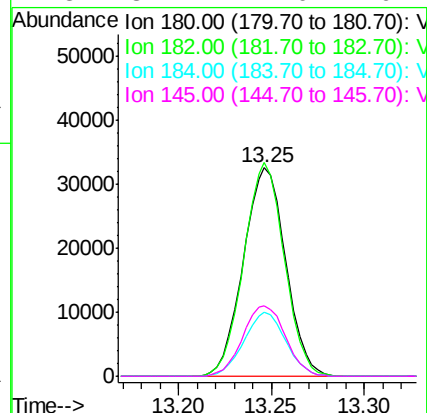
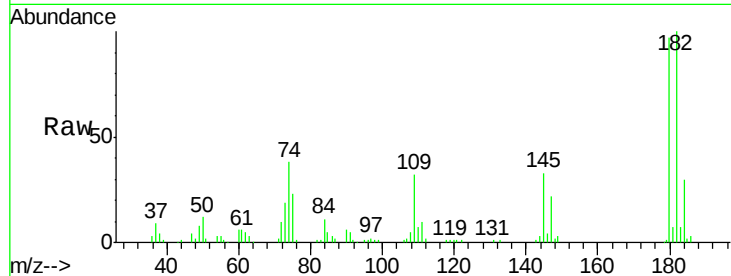




#67
 1,3,5-Trichlorobenzene
 Concen: 4.83 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037528.D
 Acq: 01 Apr 2020 17:21

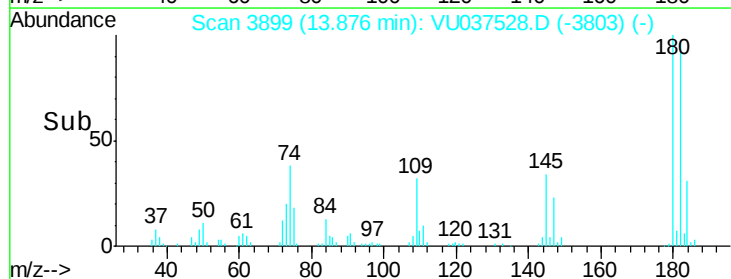
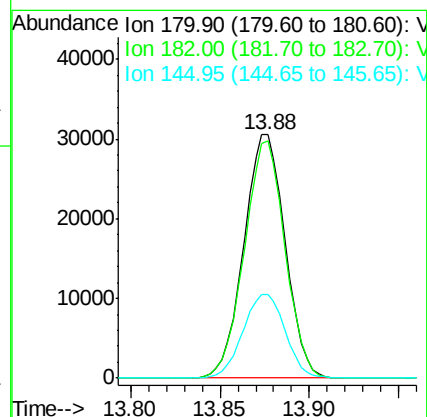
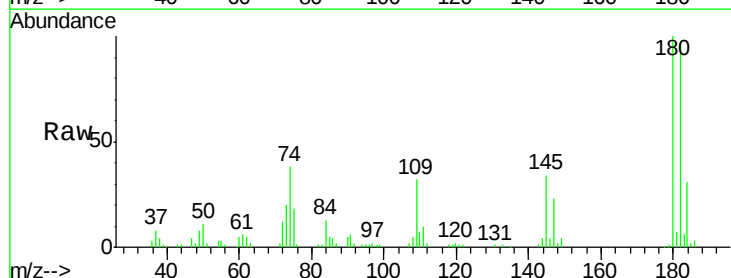
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

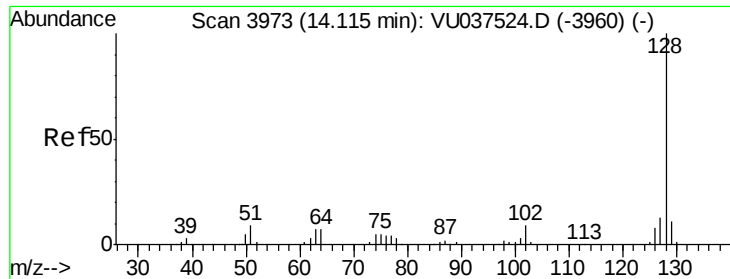
Tgt Ion:	180	Resp:	51608
Ion	Ratio	Lower	Upper
180	100		
182	98.3	77.9	116.9
184	30.3	25.0	37.6
145	34.2	27.0	40.4



#68
 1,2,4-trichlorobenzene
 Concen: 4.95 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU037528.D
 Acq: 01 Apr 2020 17:21

Tgt Ion:	180	Resp:	49193
Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.4	116.2
145	35.1	27.5	41.3





#69

Naphthalene

Concen: 4.86 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

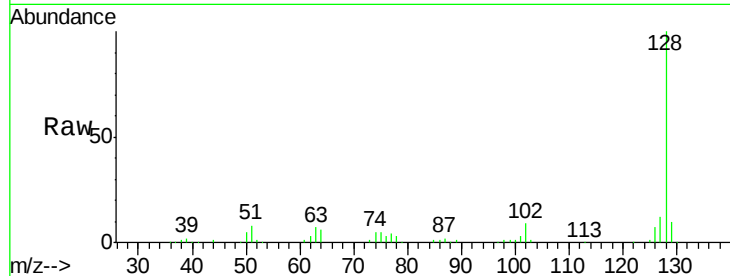
Tgt Ion:128 Resp: 107508

Ion Ratio Lower Upper

128 100

129 10.4 8.4 12.6

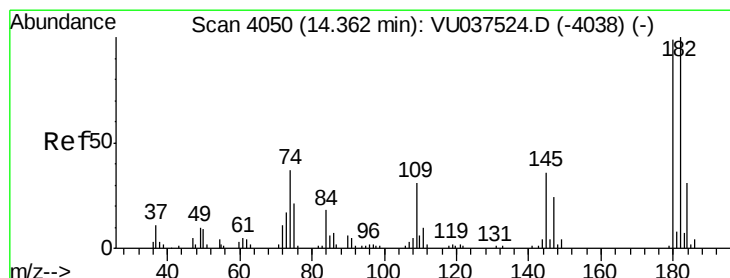
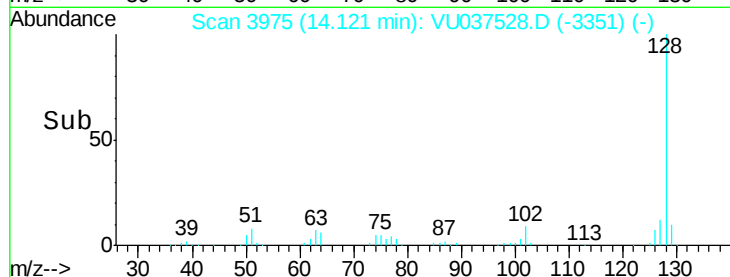
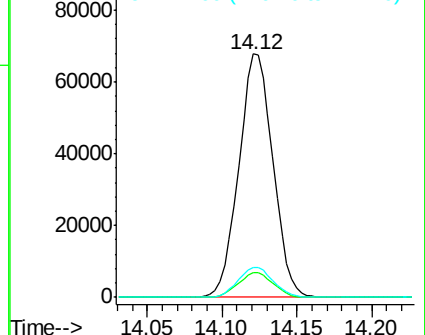
127 12.8 10.4 15.6



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: 5.05 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU037528.D

Acq: 01 Apr 2020 17:21

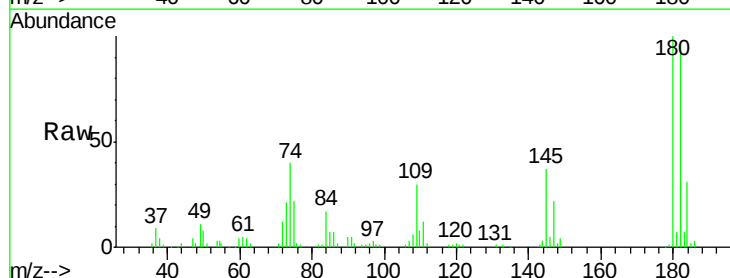
Tgt Ion:180 Resp: 44496

Ion Ratio Lower Upper

180 100

182 95.7 78.7 118.1

145 37.2 30.2 45.2



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

