

Data File : VU032528.D
Acq On : 07 Jun 2019 05:11
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

Quant Time: Jun 07 07:06:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224842	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	213709	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113913	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62302	42.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.42%
7) Chloroethane-d5	1.67	69	52087	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.86%
11) 1,1-Dichloroethene-d2	2.27	63	130158	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
21) 2-Butanone-d5	4.17	46	128844	105.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	4.64	84	132564	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.30	65	84180	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
32) Benzene-d6	5.33	84	259288	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.32	67	83740	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.56	98	242602	46.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.24%
43) trans-1,3-Dichloropropene-	7.85	79	39506	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.90%
47) 2-Hexanone-d5	8.31	63	89600	106.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.18%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	127494	50.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	103767	47.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	100412	49.537 ug/L	99
3) Chloromethane	1.32	50	91224	46.575 ug/L	100
5) Vinyl chloride	1.40	62	94692	48.397 ug/L	96
6) Bromomethane	1.62	94	37131	31.846 ug/L	98
8) Chloroethane	1.69	64	53589	46.079 ug/L	99
9) Trichlorofluoromethane	1.88	101	126243	47.783 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66921	48.704 ug/L	100
12) 1,1-Dichloroethene	2.28	96	67434	50.545 ug/L	92
13) Acetone	2.32	43	90804	72.089 ug/L	100
14) Carbon disulfide	2.47	76	199168	49.132 ug/L	100
15) Methyl Acetate	2.61	43	95323	53.004 ug/L	99
16) Methylene chloride	2.69	84	76740	50.409 ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	71581	49.512 ug/L	96
18) Methyl tert-butyl Ether	2.99	73	245306	51.647 ug/L	99
19) 1,1-Dichloroethane	3.44	63	137250	52.076 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	81362	49.727 ug/L	94
22) 2-Butanone	4.25	43	141579	95.101 ug/L	99

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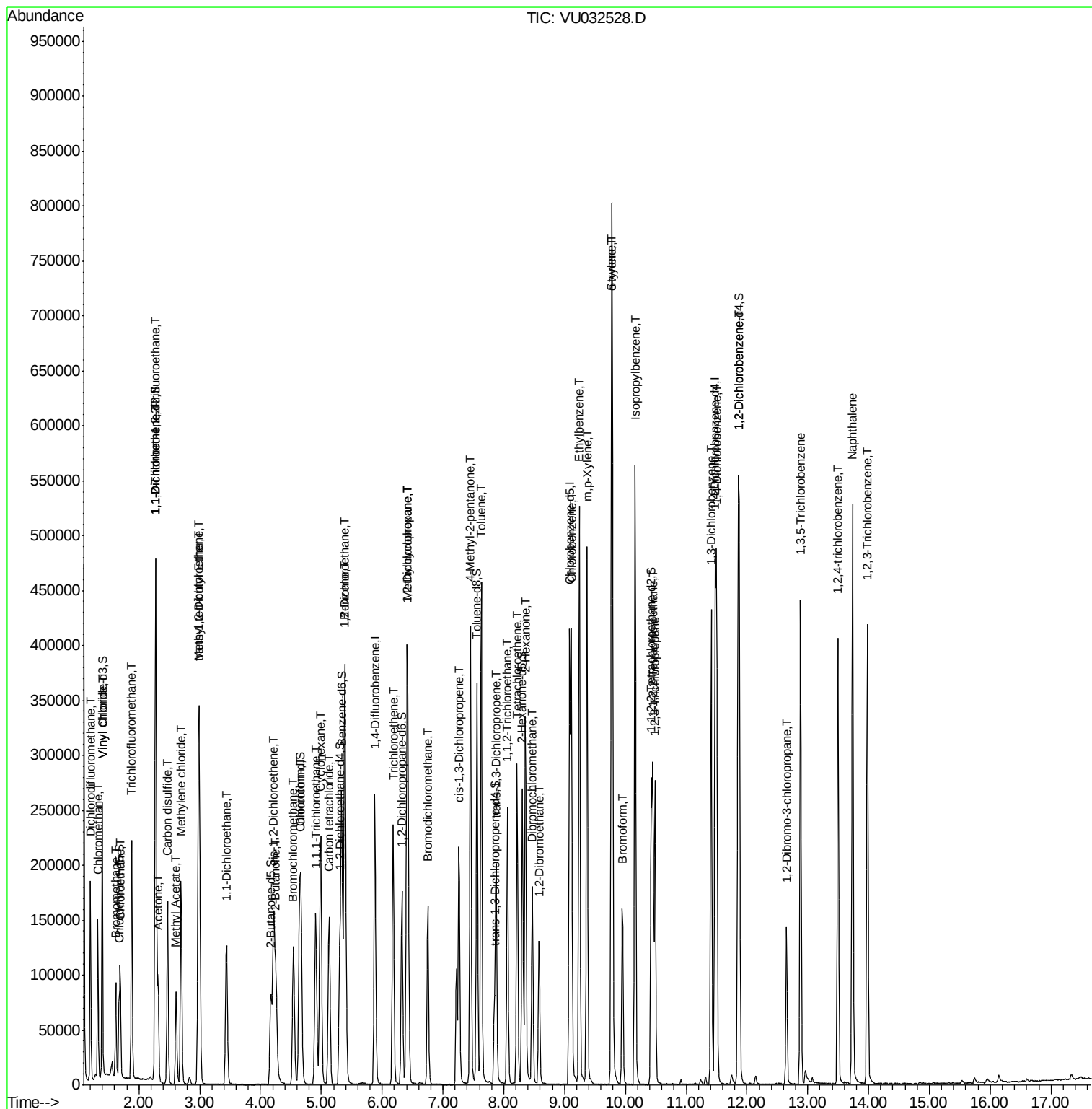
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	42337	49.765	ug/L	94
25) Chloroform	4.67	83	138005	50.741	ug/L	99
27) 1,2-Dichloroethane	5.40	62	112803	52.464	ug/L	99
29) Cyclohexane	4.99	56	125210	49.258	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	123252	50.946	ug/L	99
31) Carbon tetrachloride	5.13	117	110455	49.814	ug/L	100
33) Benzene	5.38	78	297111	49.481	ug/L	100
34) Trichloroethene	6.18	95	78964	48.337	ug/L	100
35) Methylcyclohexane	6.41	83	123840	46.827	ug/L	98
37) 1,2-Dichloropropane	6.43	63	81560	51.240	ug/L	99
38) Bromodichloromethane	6.75	83	104756	51.112	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	125634	50.026	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	272912	106.577	ug/L	100
42) Toluene	7.63	91	327877	49.860	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	110824	49.717	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	76074	50.541	ug/L	98
46) Tetrachloroethene	8.22	164	65799	48.768	ug/L	98
48) 2-Hexanone	8.36	43	215941	102.671	ug/L	99
49) Dibromochloromethane	8.47	129	88566	50.623	ug/L	97
50) 1,2-Dibromoethane	8.58	107	85223	50.302	ug/L	98
51) Chlorobenzene	9.11	112	214982	50.743	ug/L	100
52) Ethylbenzene	9.24	91	363728	49.622	ug/L	100
53) m,p-Xylene	9.37	106	135624	48.659	ug/L	98
54) o-xylene	9.77	106	138733	50.131	ug/L	99
55) Styrene	9.79	104	234866	50.837	ug/L	97
56) Isopropylbenzene	10.16	105	366449	50.217	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	134150	52.146	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	108560	52.465	ug/L	100
61) Bromoform	9.95	173	71591	52.712	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	175172	50.828	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	176253	50.024	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	176924	50.777	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	34089	58.150	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	137013	51.099	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	129432	56.980	ug/L	98
69) Naphthalene	13.74	128	423864	59.157	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	130218	55.082	ug/L	99

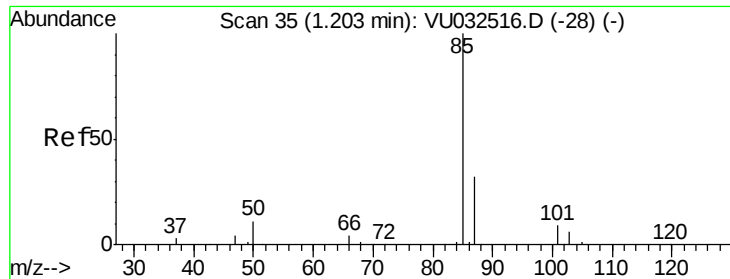
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.537 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

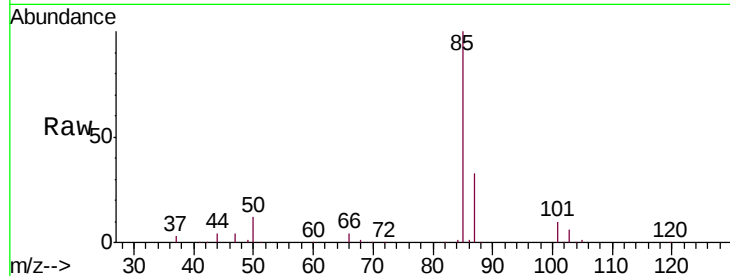
VSTD05035

Tgt Ion: 85 Resp: 100412

Ion Ratio Lower Upper

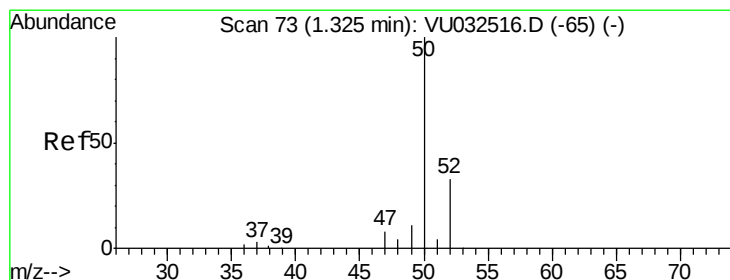
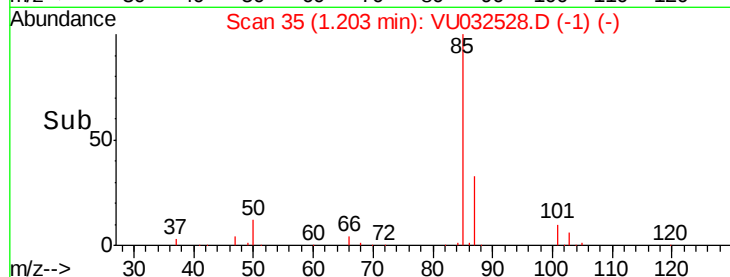
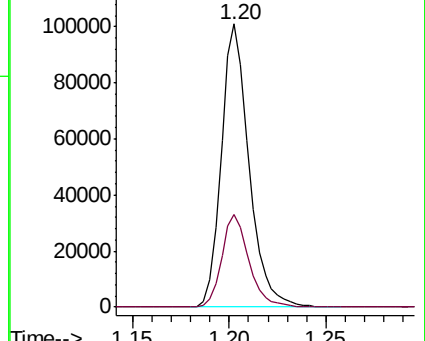
85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032516.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032516.D (-28) (-)



#3

Chloromethane

Concen: 46.575 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032528.D

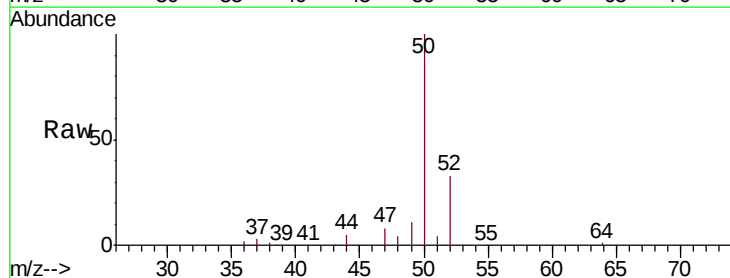
Acq: 07 Jun 2019 05:11

Tgt Ion: 50 Resp: 91224

Ion Ratio Lower Upper

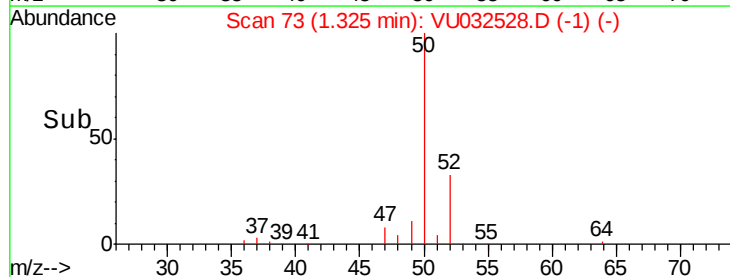
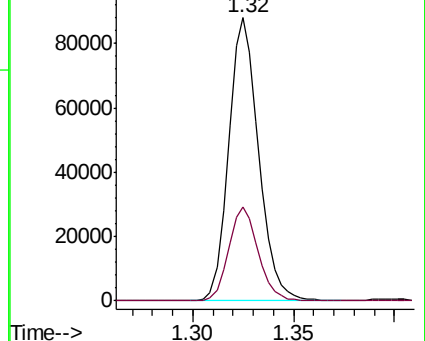
50 100

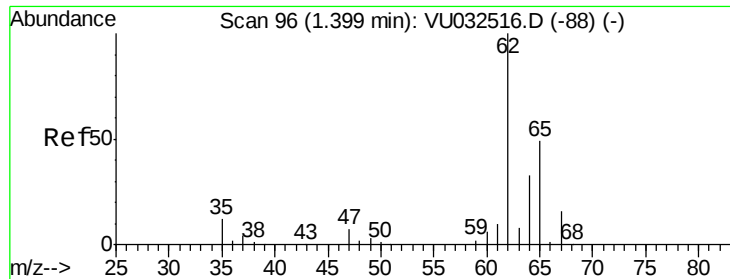
52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032516.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032516.D (-65) (-)





#5

Vinyl chloride

Concen: 48.397 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

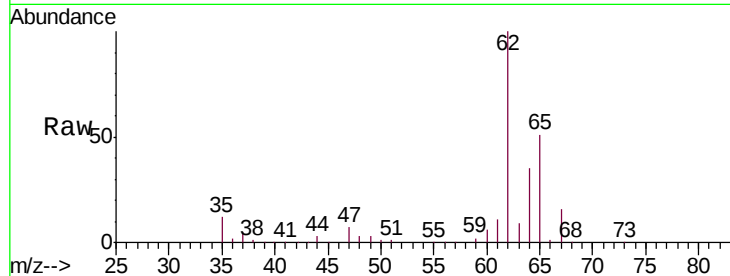
VSTD05035

Tgt Ion: 62 Resp: 94692

Ion Ratio Lower Upper

62 100

64 34.7 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032516.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032516.D (-88) (-)

1.40

100000

80000

60000

40000

20000

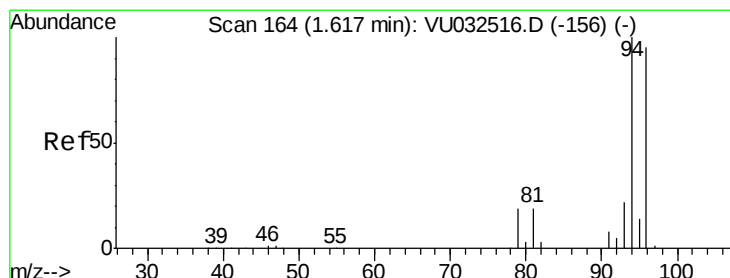
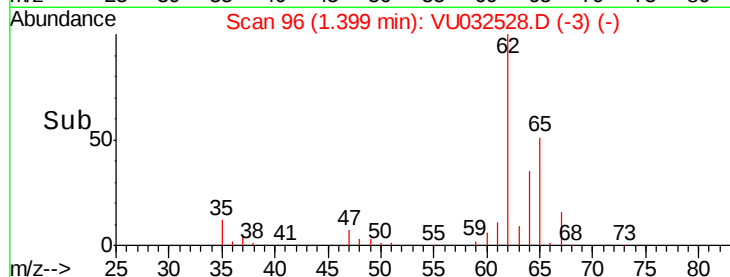
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 31.846 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032528.D

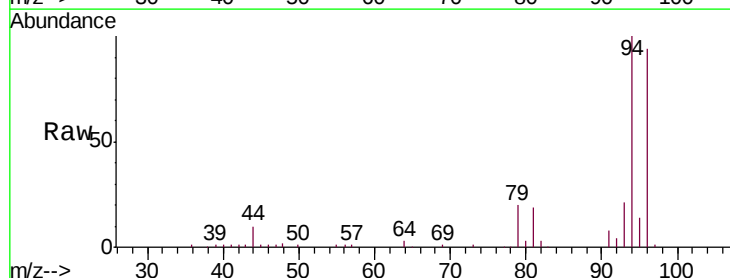
Acq: 07 Jun 2019 05:11

Tgt Ion: 94 Resp: 37131

Ion Ratio Lower Upper

94 100

96 94.4 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032516.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032516.D (-156) (-)

1.62

30000

20000

10000

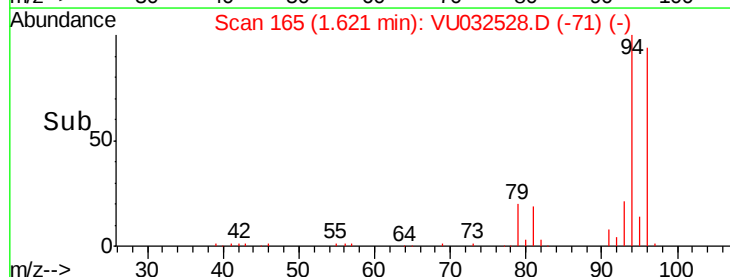
0

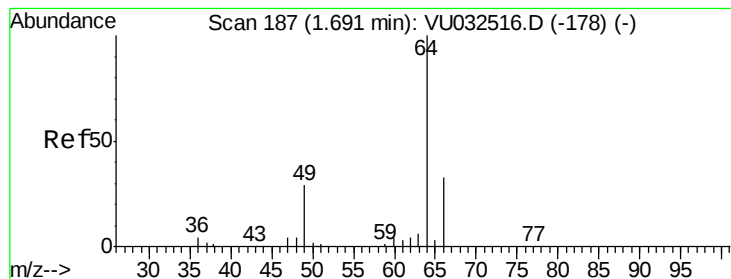
1.60

1.65

1.70

Time-->





#8

Chloroethane

Concen: 46.079 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

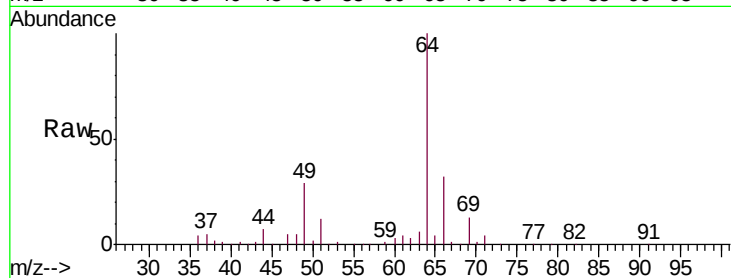
VSTD05035

Tgt Ion: 64 Resp: 53589

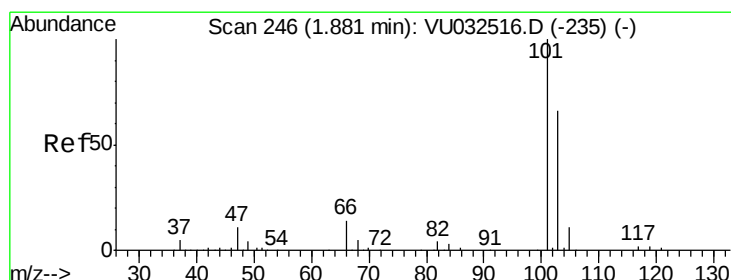
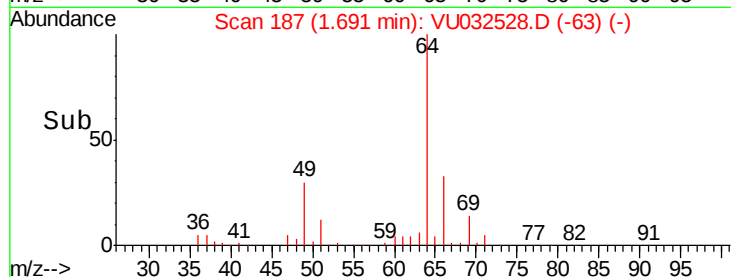
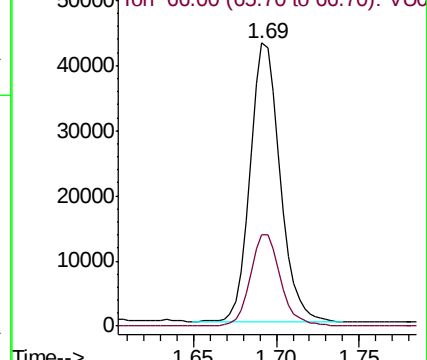
Ion Ratio Lower Upper

64 100

66 32.2 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032516.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 47.783 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032528.D

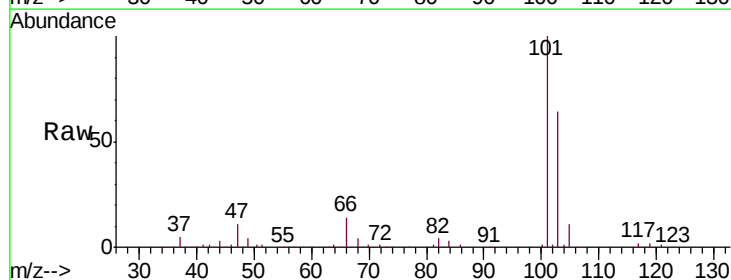
Acq: 07 Jun 2019 05:11

Tgt Ion: 101 Resp: 126243

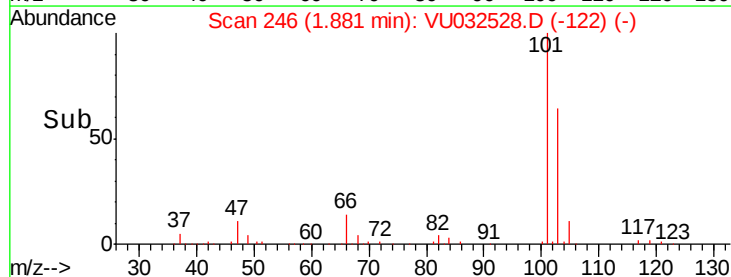
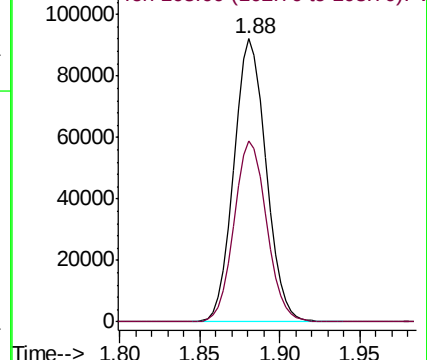
Ion Ratio Lower Upper

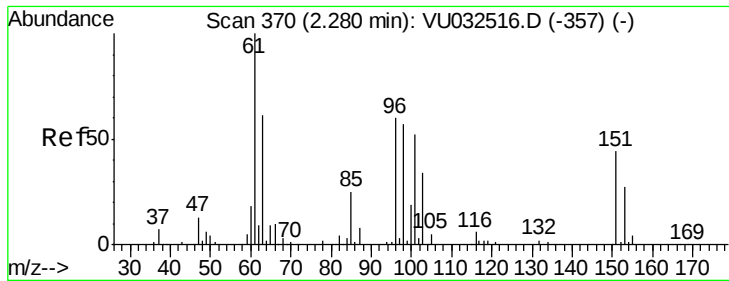
101 100

103 64.4 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032516.D (-235) (-)





#10

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

Concen: 48.704 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

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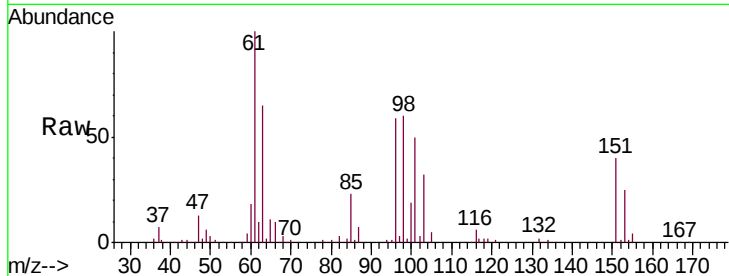
Tgt Ion: 101 Resp: 66921

Ion Ratio Lower Upper

101 100

85 44.7 36.1 54.1

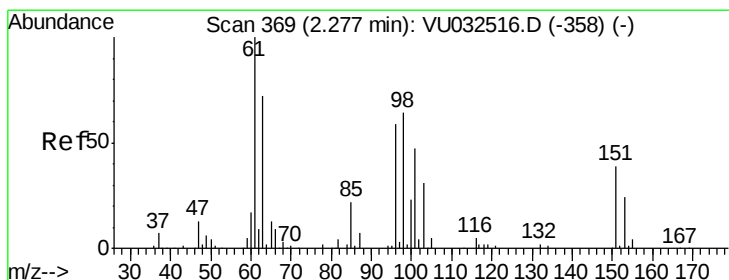
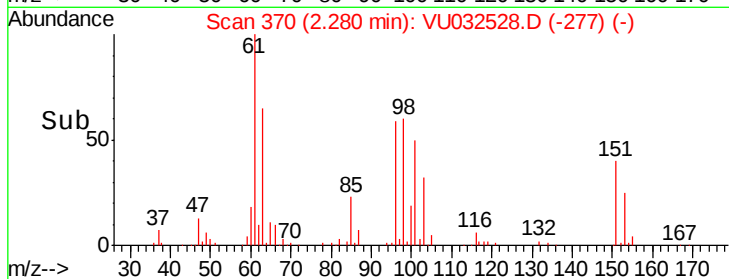
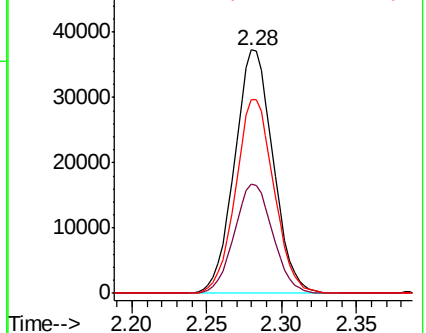
151 78.9 63.0 94.4



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: 50.545 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

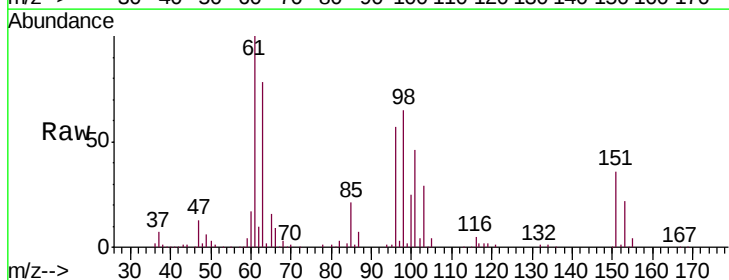
Tgt Ion: 96 Resp: 67434

Ion Ratio Lower Upper

96 100

61 174.1 129.5 240.5

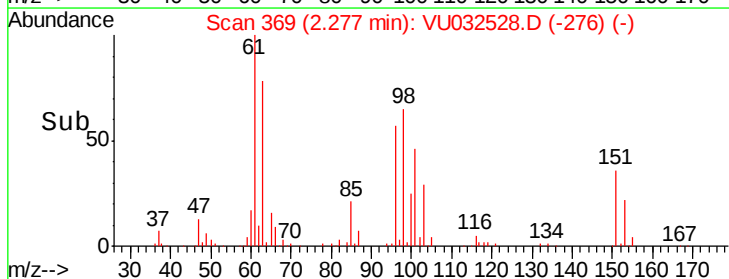
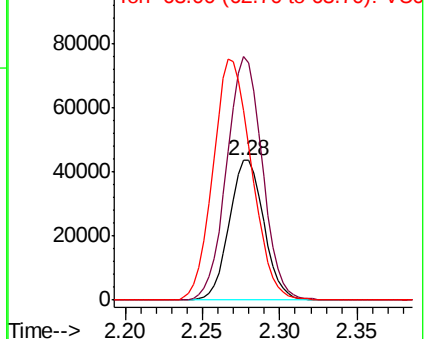
63 135.6 103.4 192.0

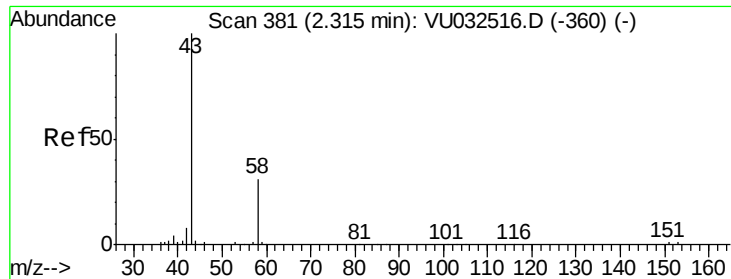


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 72.089 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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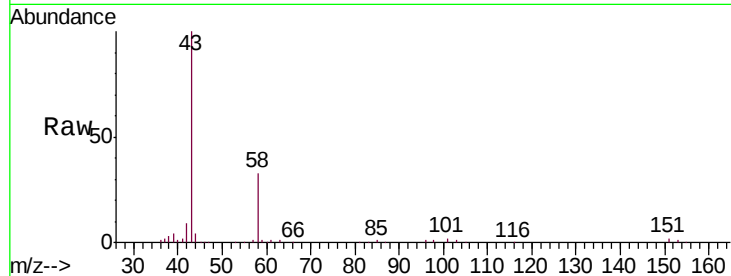
VSTD05035

Tgt Ion: 43 Resp: 90804

Ion Ratio Lower Upper

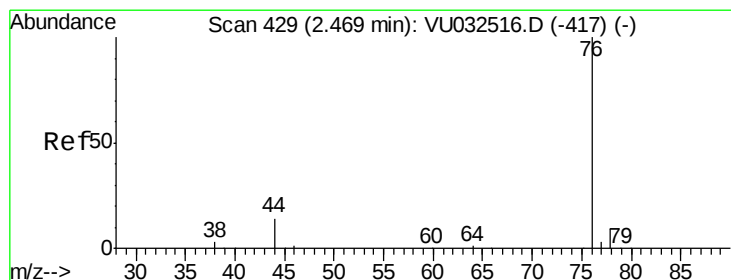
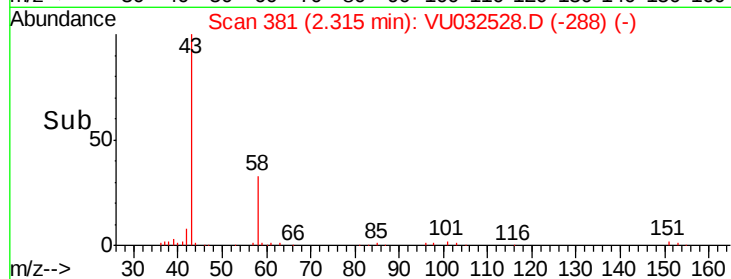
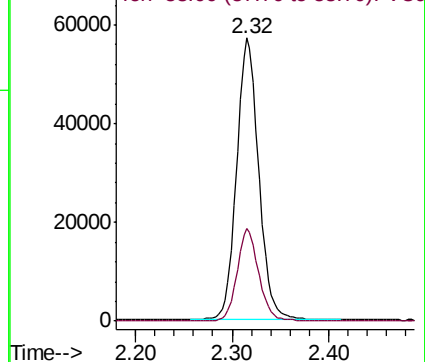
43 100

58 31.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032516.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU032516.D (-360) (-)



#14

Carbon disulfide

Concen: 49.132 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

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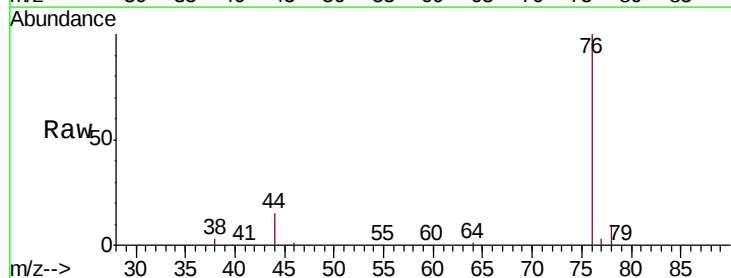
Acq: 07 Jun 2019 05:11

Tgt Ion: 76 Resp: 199168

Ion Ratio Lower Upper

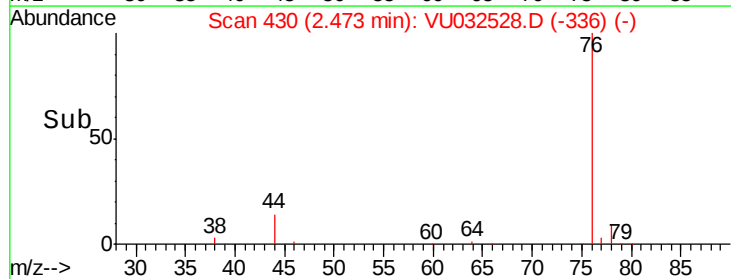
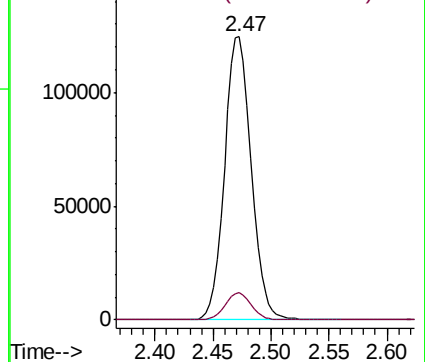
76 100

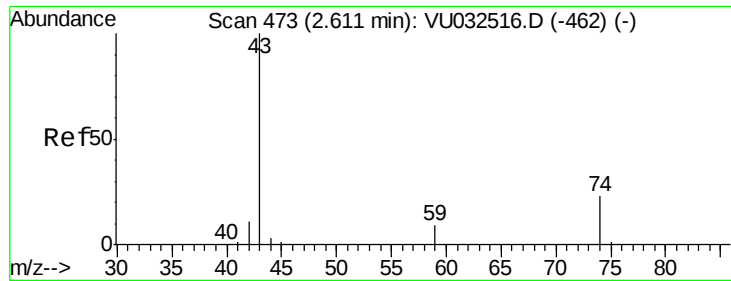
78 9.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032516.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032516.D (-417) (-)





#15

Methyl Acetate

Concen: 53.004 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

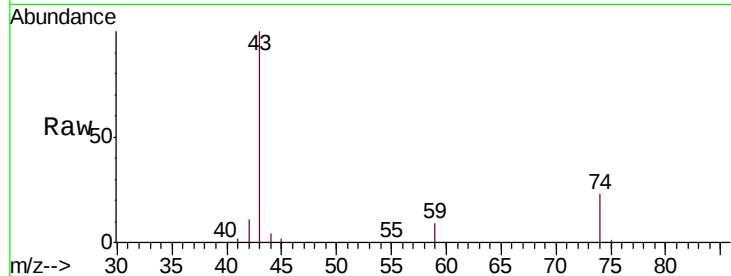
VSTD05035

Tgt Ion: 43 Resp: 95323

Ion Ratio Lower Upper

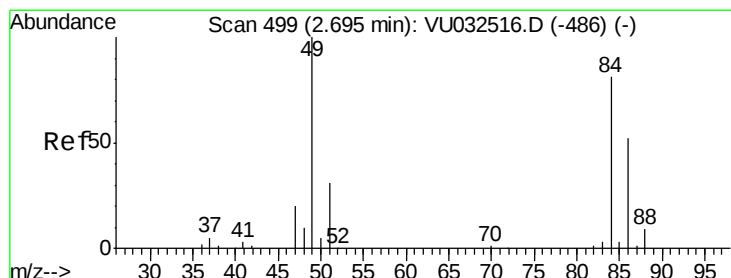
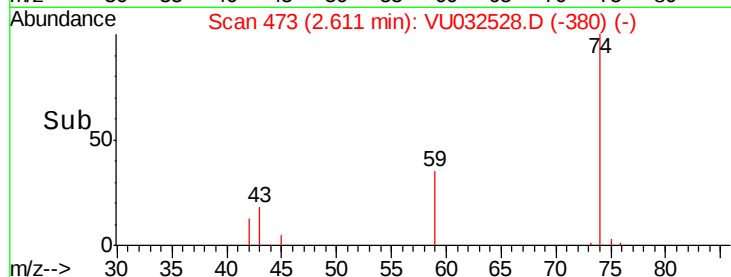
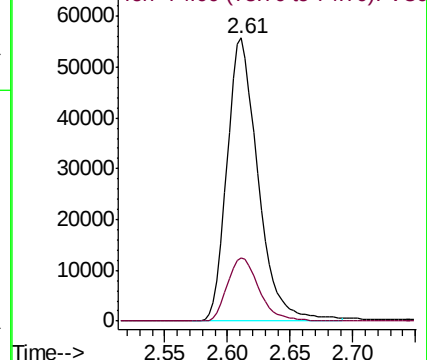
43 100

74 23.0 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU032516.D (-462) (-)

Ion 74.00 (73.70 to 74.70): VU032516.D (-462) (-)



#16

Methylene chloride

Concen: 50.409 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

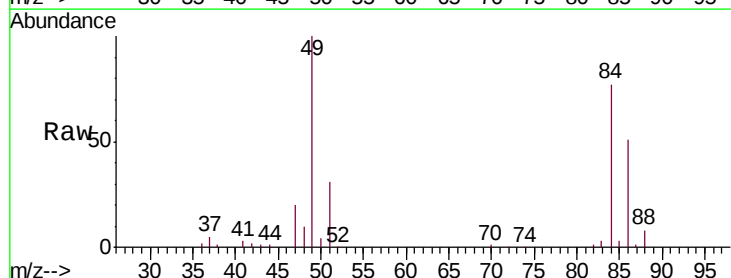
Tgt Ion: 84 Resp: 76740

Ion Ratio Lower Upper

84 100

86 67.1 44.7 82.9

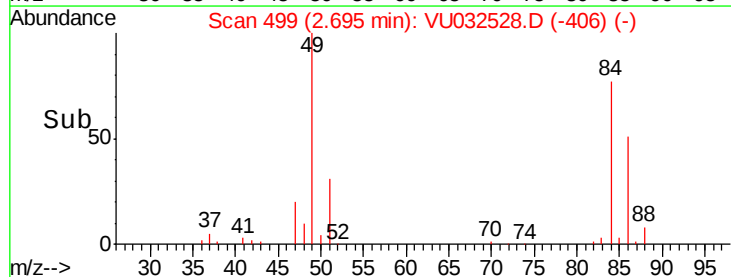
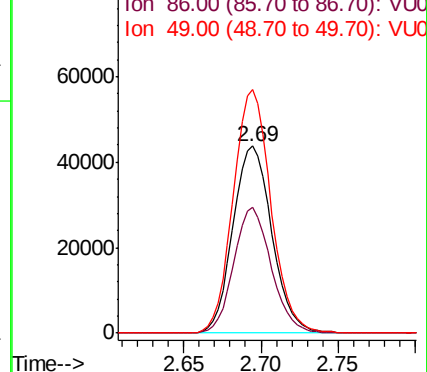
49 130.4 86.1 159.9

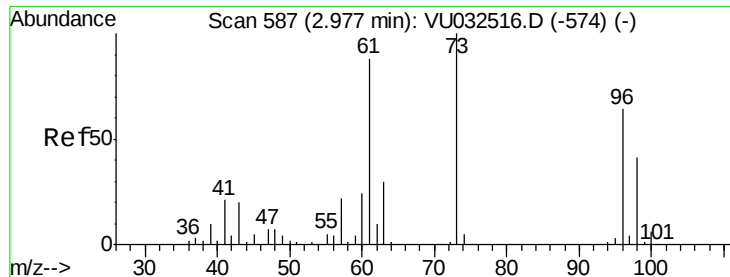


Abundance Ion 84.00 (83.70 to 84.70): VU032516.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032516.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU032516.D (-486) (-)

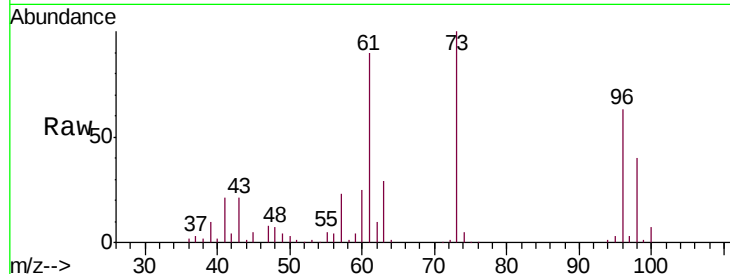




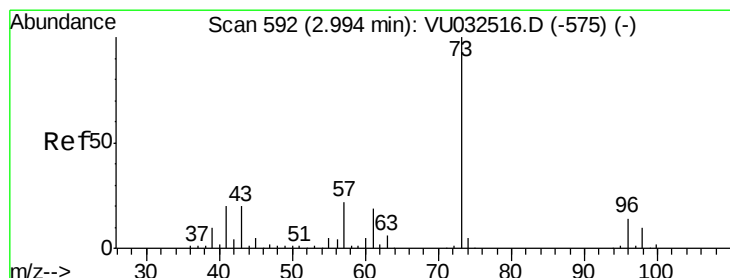
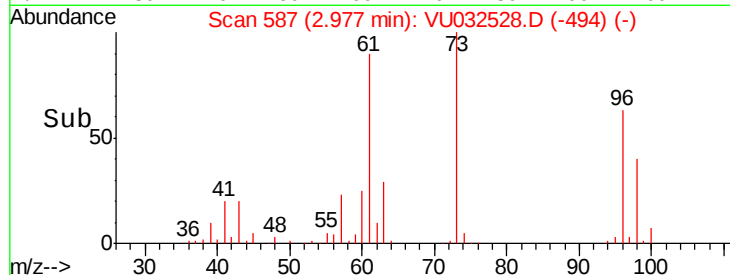
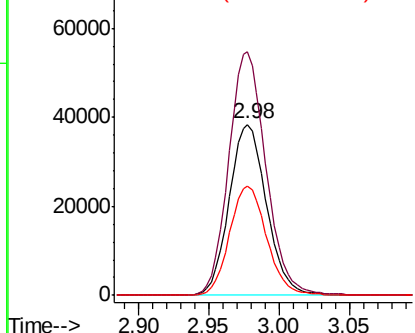
#17
trans-1,2-Dichloroethene
Concen: 49.512 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

Tgt Ion: 96 Resp: 71581
Ion Ratio Lower Upper
96 100
61 142.4 95.7 177.7
98 63.7 44.0 81.6

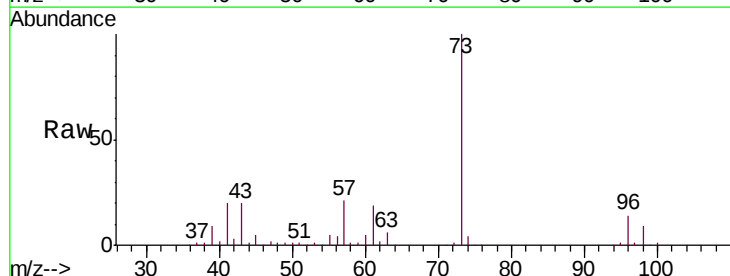


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

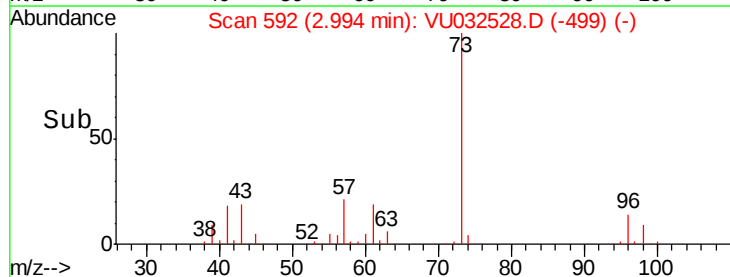
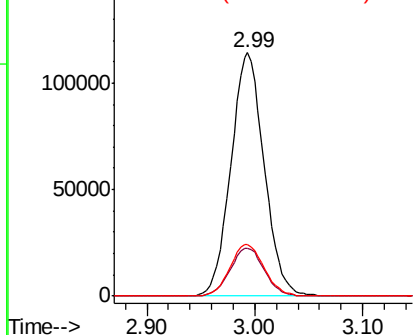


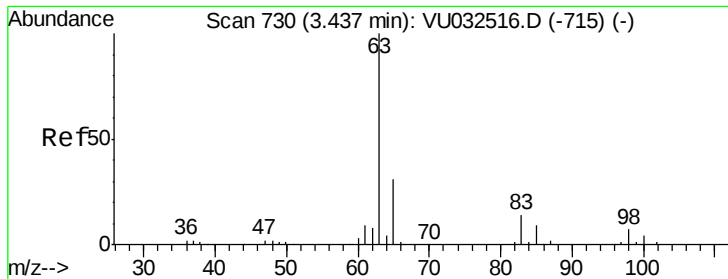
#18
Methyl tert-butyl Ether
Concen: 51.647 ug/L
RT: 2.99 min Scan# 592
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

Tgt Ion: 73 Resp: 245306
Ion Ratio Lower Upper
73 100
43 20.3 15.8 23.6
57 21.8 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 52.076 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

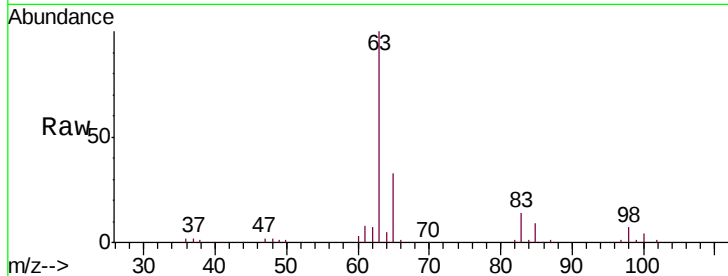
Tgt Ion: 63 Resp: 137250

Ion Ratio Lower Upper

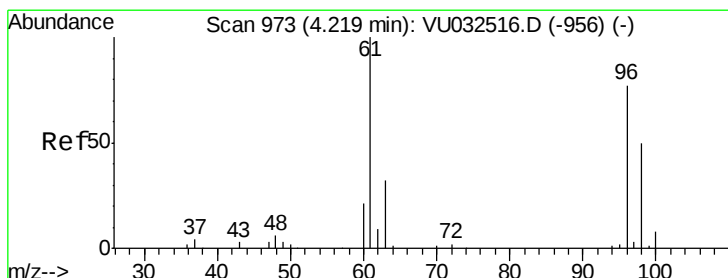
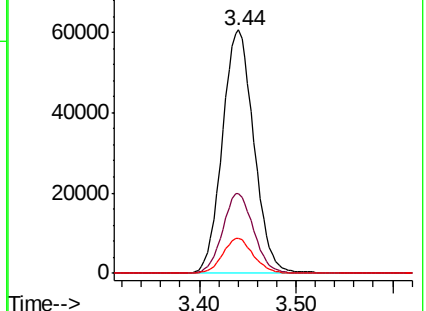
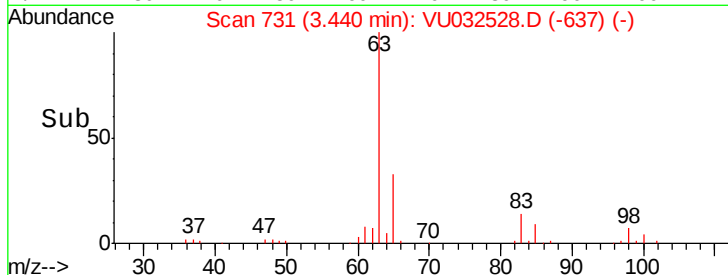
63 100

65 32.9 21.8 40.6

83 14.4 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032528.D (-637) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.727 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

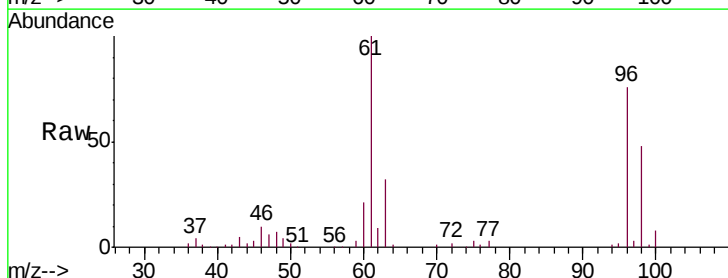
Tgt Ion: 96 Resp: 81362

Ion Ratio Lower Upper

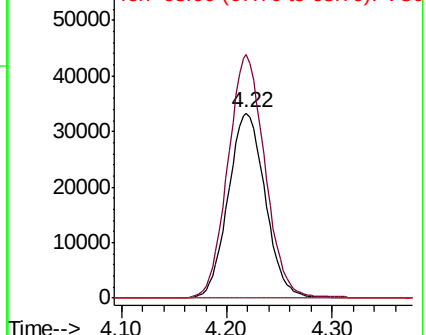
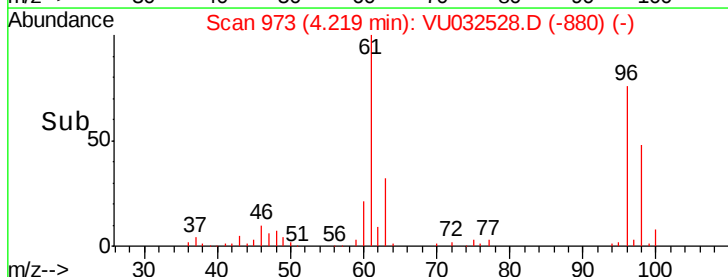
96 100

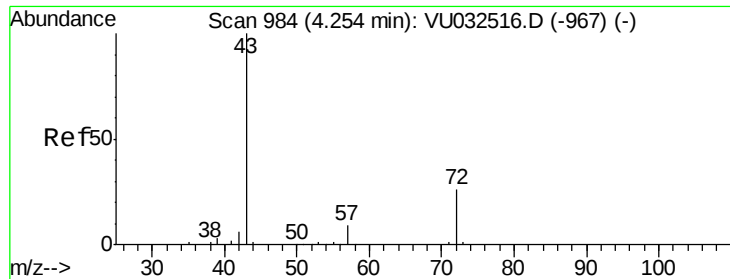
61 131.4 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032528.D (-880) (-)





#22

2-Butanone

Concen: 95.101 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

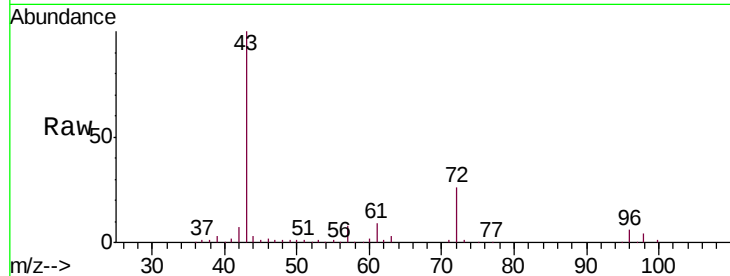
VSTD05035

Tgt Ion: 43 Resp: 141579

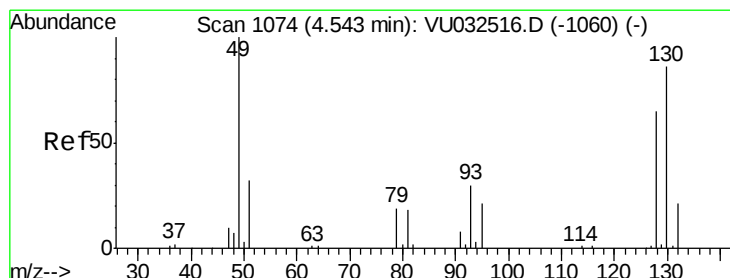
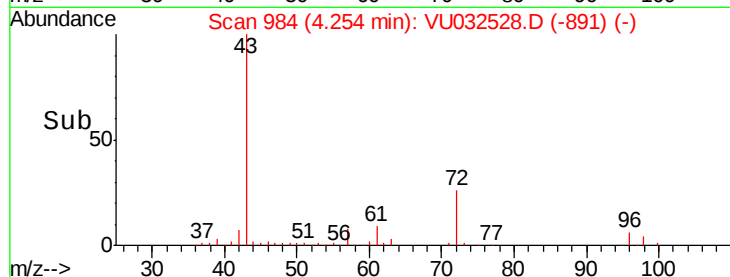
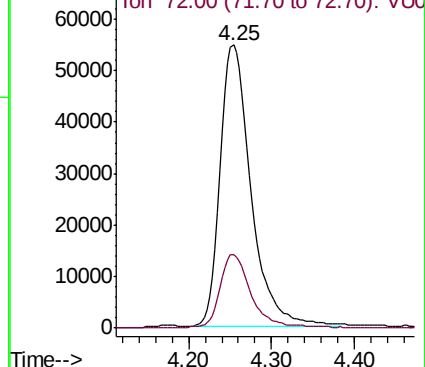
Ion Ratio Lower Upper

43 100

72 25.8 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032516.D (-967) (-)



#23

Bromochloromethane

Concen: 49.765 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Tgt Ion: 128 Resp: 42337

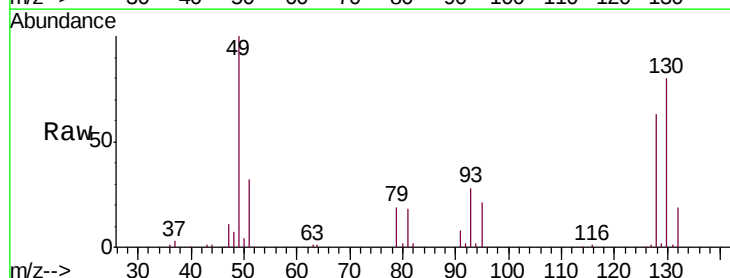
Ion Ratio Lower Upper

128 100

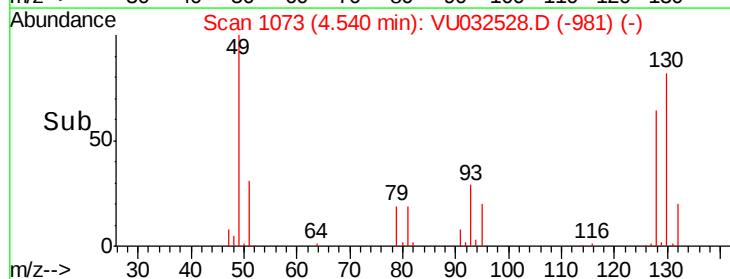
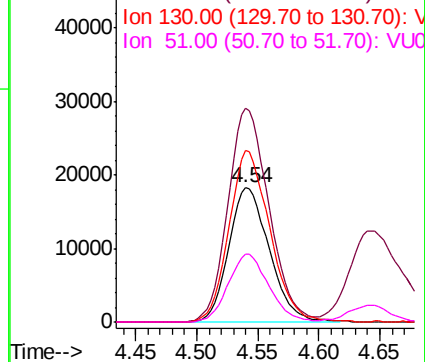
49 159.6 103.7 192.5

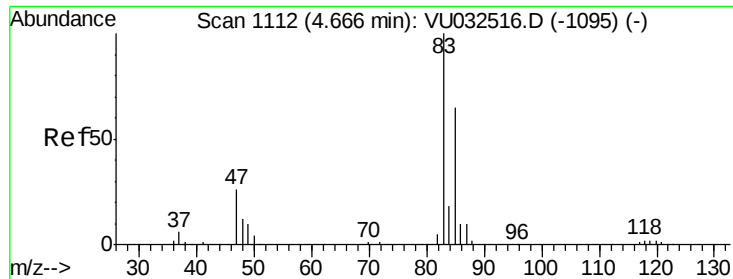
130 128.2 92.2 171.2

51 50.6 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU032516.D (-1060) (-)

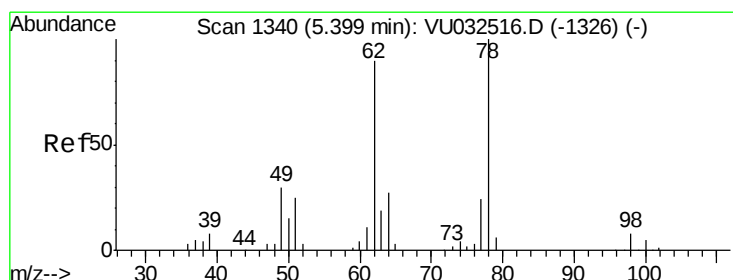
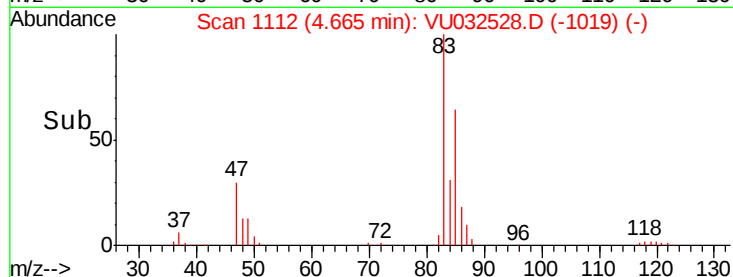
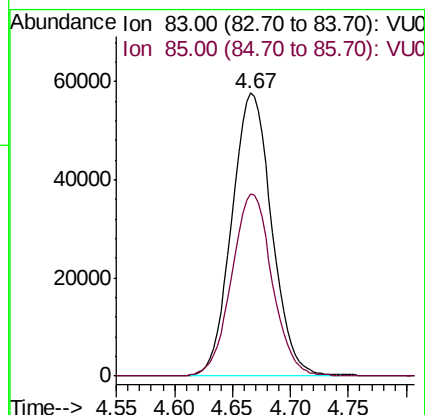
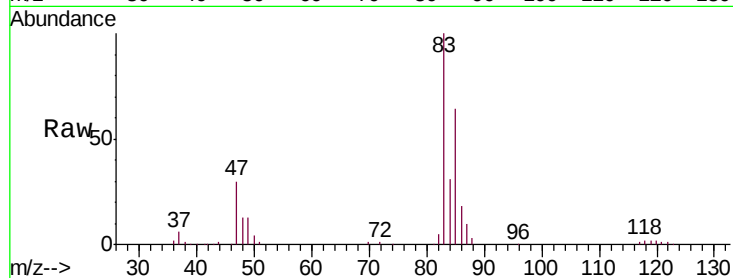




#25
Chloroform
Concen: 50.741 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

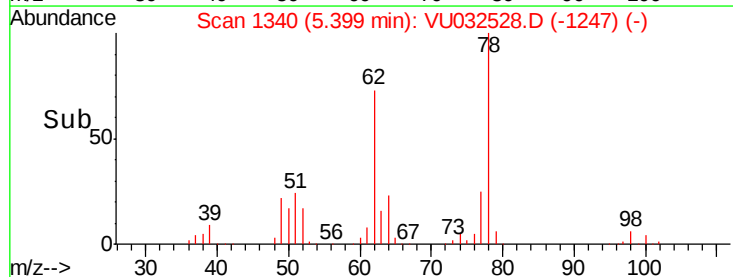
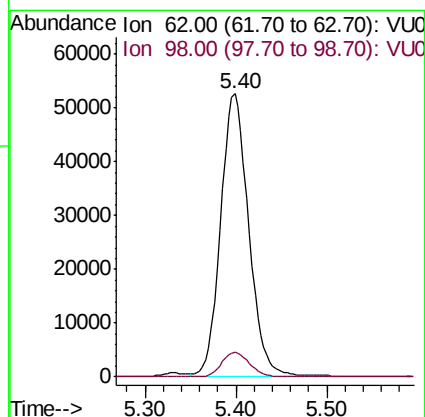
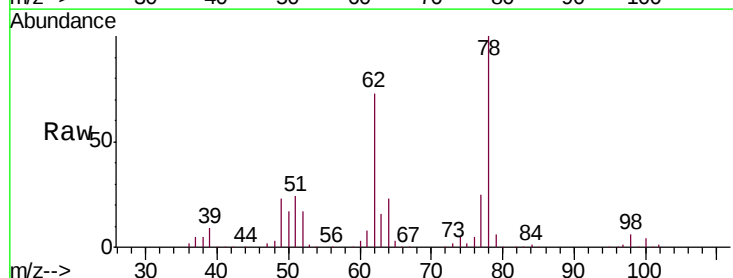
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

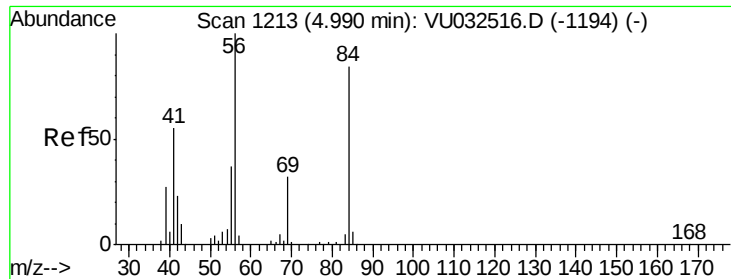
Tgt Ion: 83 Resp: 138005
Ion Ratio Lower Upper
83 100
85 64.2 44.7 82.9



#27
1,2-Dichloroethane
Concen: 52.464 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

Tgt Ion: 62 Resp: 112803
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8

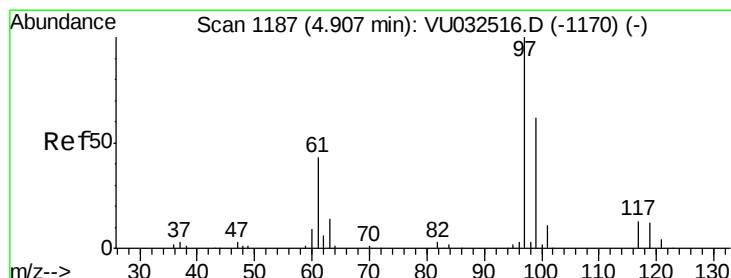
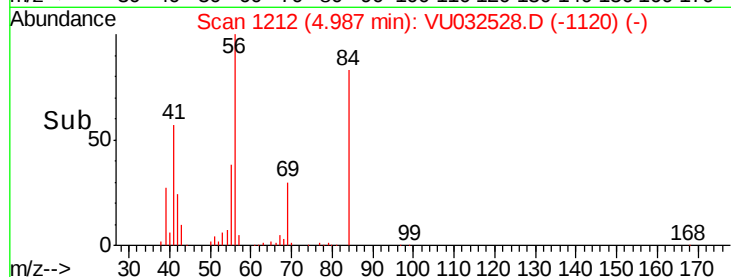
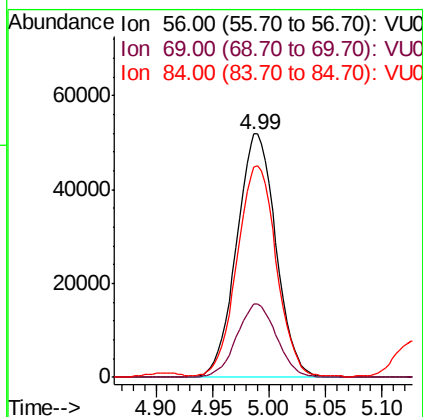
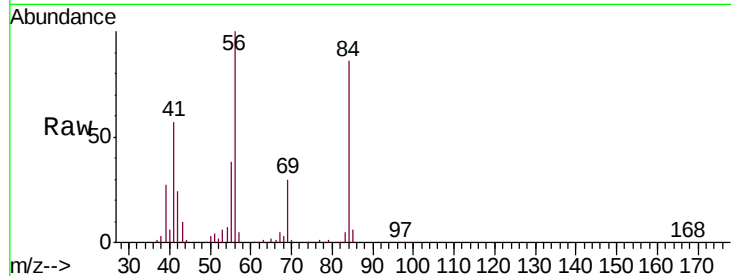




#29
Cyclohexane
Concen: 49.258 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

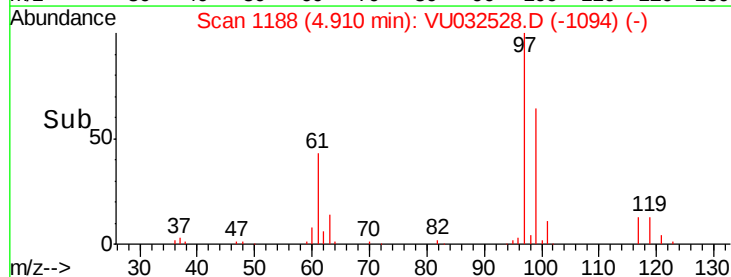
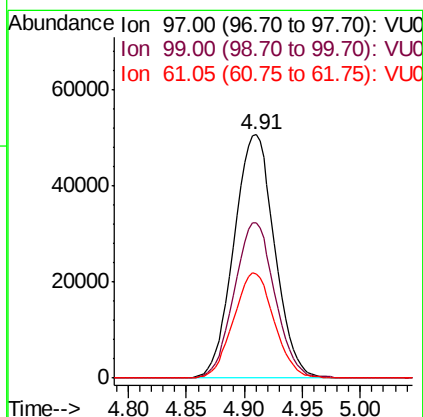
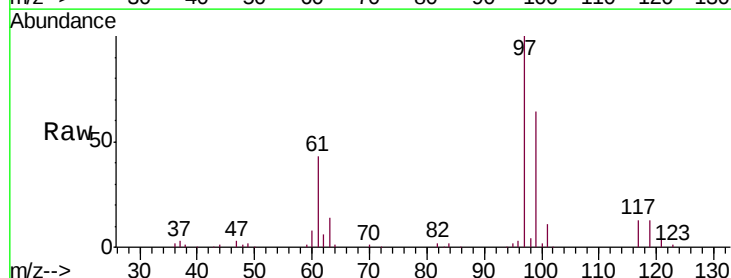
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

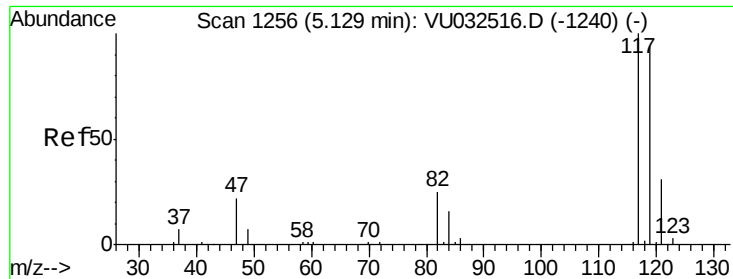
Tgt Ion: 56 Resp: 125210
Ion Ratio Lower Upper
56 100
69 30.5 24.7 37.1
84 87.4 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 50.946 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

Tgt Ion: 97 Resp: 123252
Ion Ratio Lower Upper
97 100
99 63.8 50.5 75.7
61 43.2 33.8 50.6





#31

Carbon tetrachloride

Concen: 49.814 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

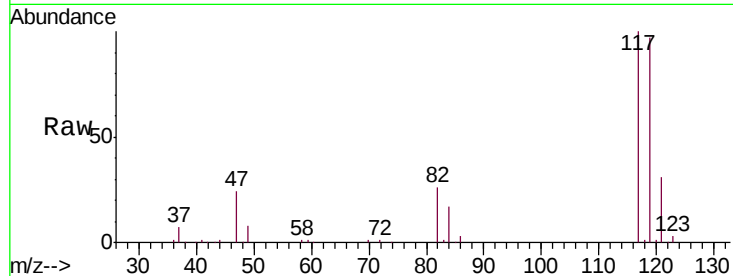
VSTD05035

Tgt Ion:117 Resp: 110455

Ion Ratio Lower Upper

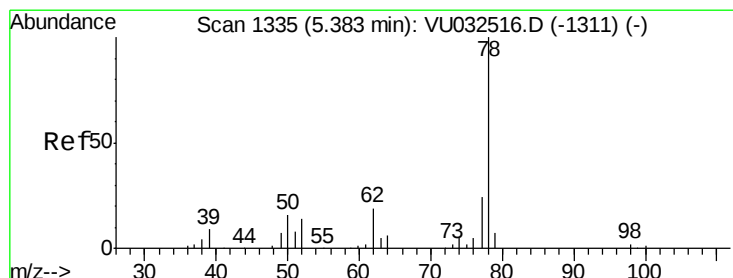
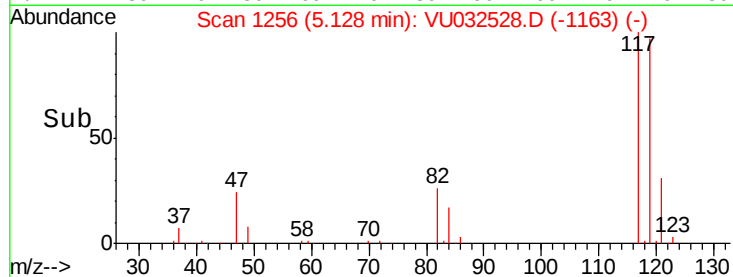
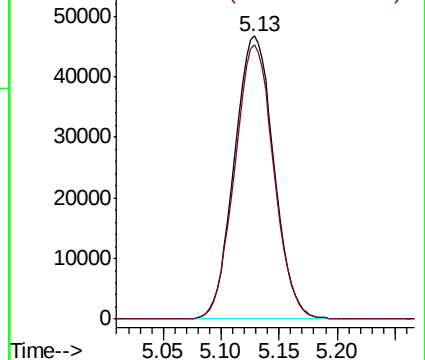
117 100

119 95.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.481 ug/L

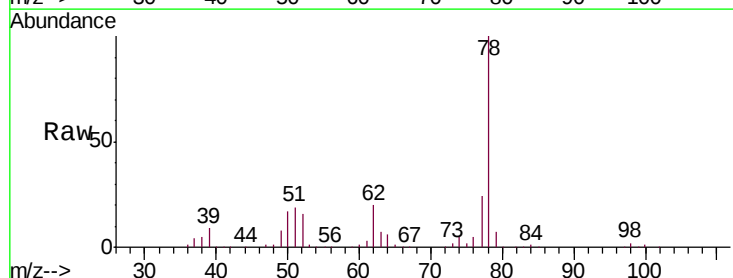
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

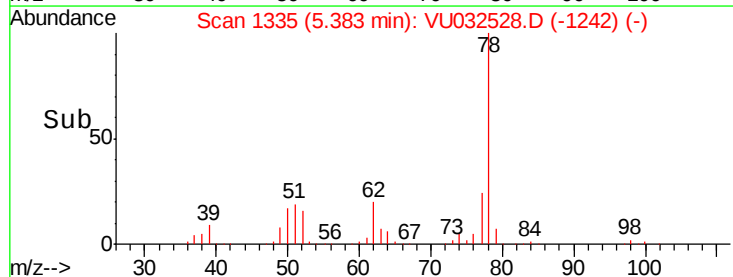
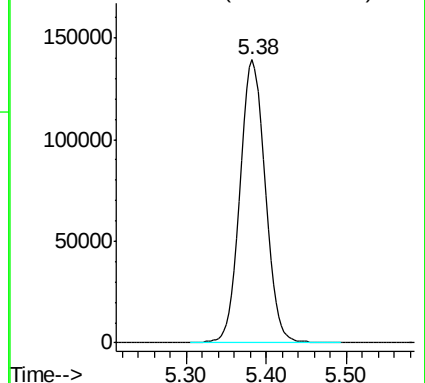
Lab File: VU032528.D

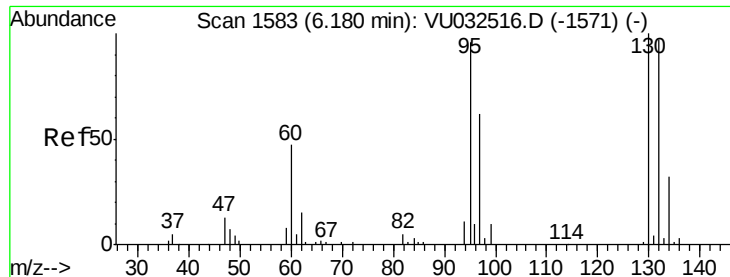
Acq: 07 Jun 2019 05:11

Tgt Ion: 78 Resp: 297111



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.337 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

Tgt Ion: 95 Resp: 78964

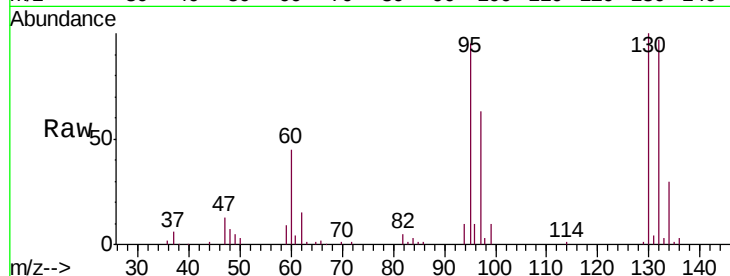
Ion Ratio Lower Upper

95 100

97 66.2 45.8 85.2

132 101.2 71.0 131.8

130 104.7 73.4 136.2

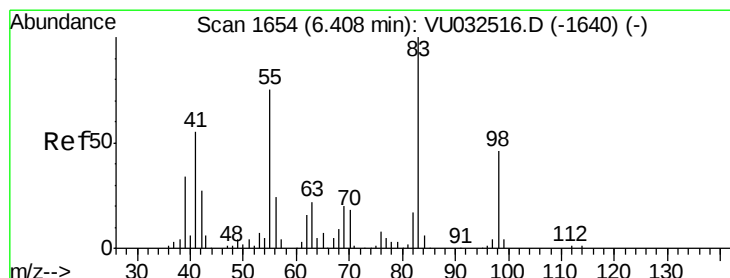
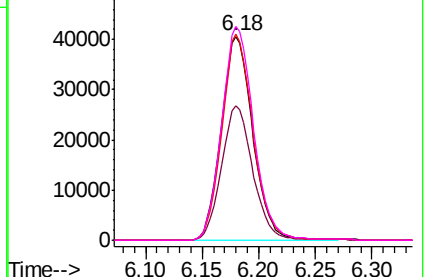
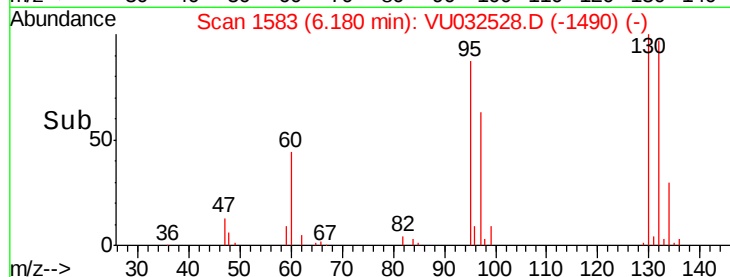


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 46.827 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

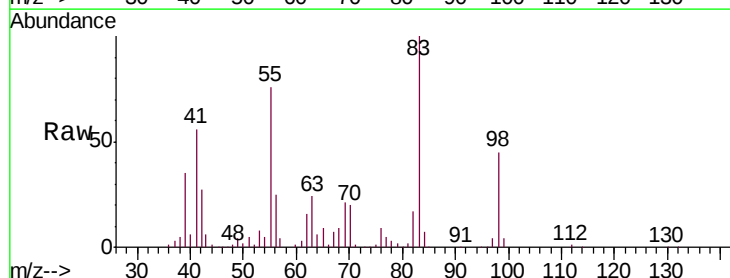
Tgt Ion: 83 Resp: 123840

Ion Ratio Lower Upper

83 100

55 76.8 60.2 90.4

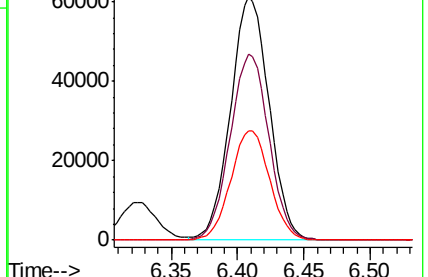
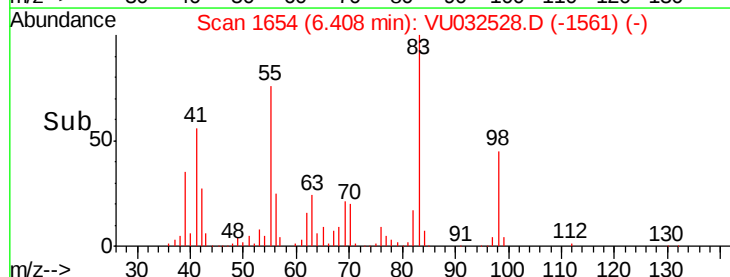
98 45.5 37.4 56.2

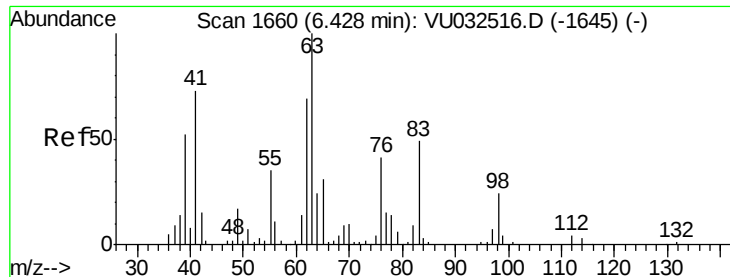


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

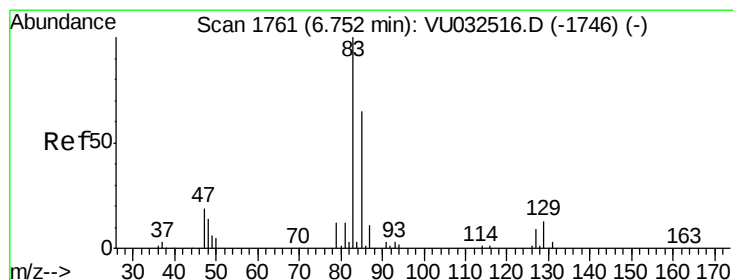
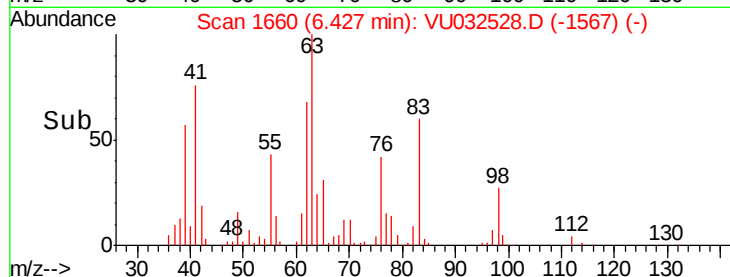
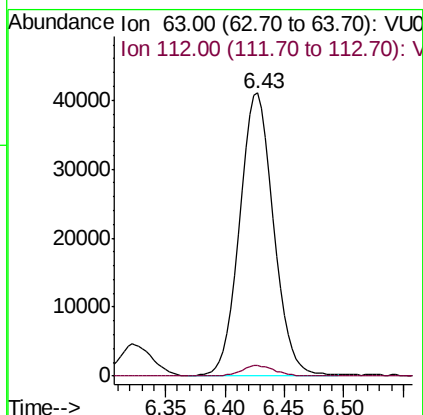
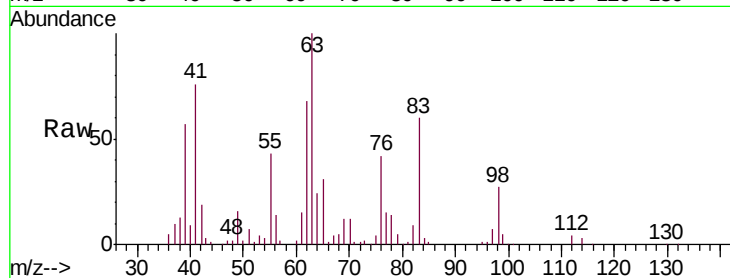




#37
 1,2-Dichloropropane
 Concen: 51.240 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

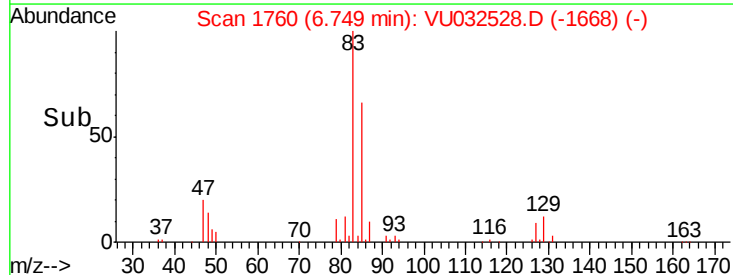
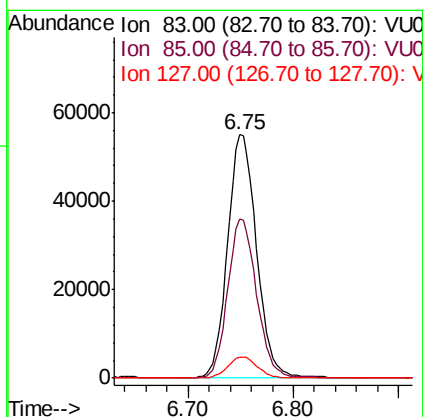
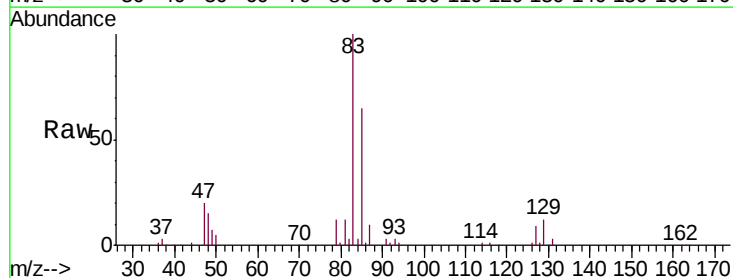
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

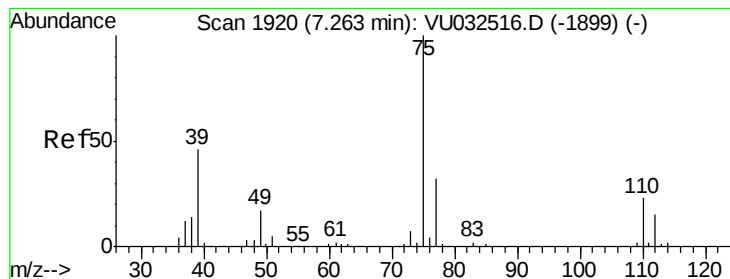
Tgt Ion: 63 Resp: 81560
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 51.112 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Tgt Ion: 83 Resp: 104756
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.4 84.4
 127 8.8 7.4 11.2



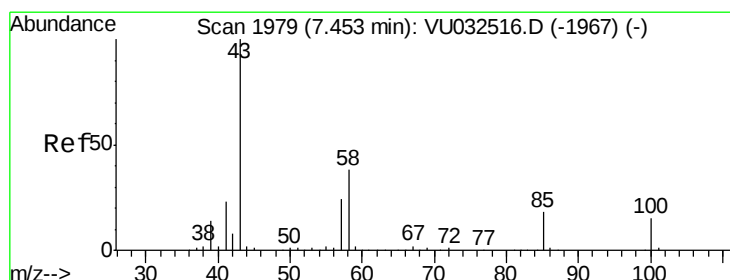
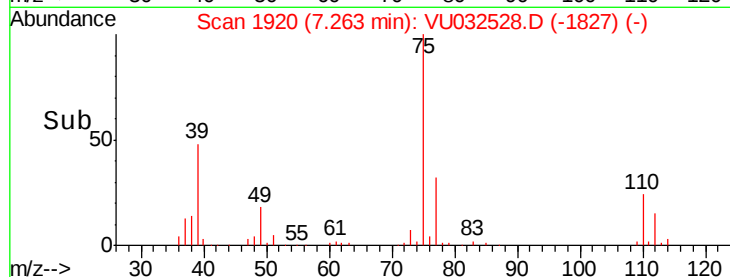
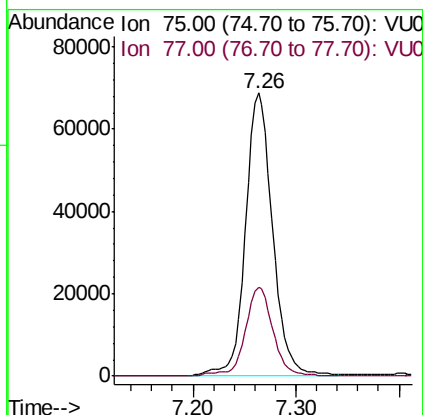
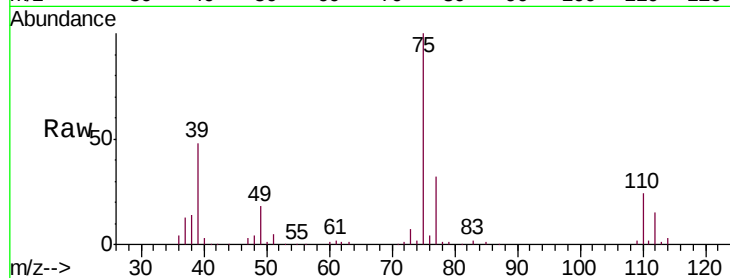


#39

cis-1,3-Dichloropropene
 Concen: 50.026 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

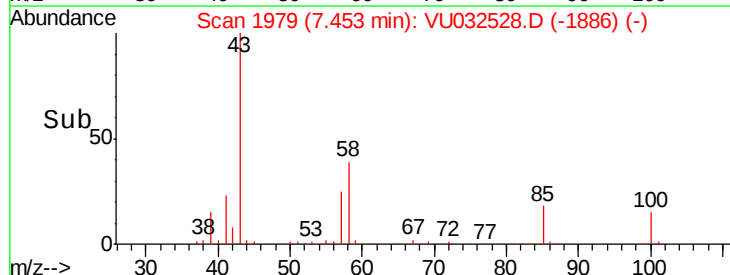
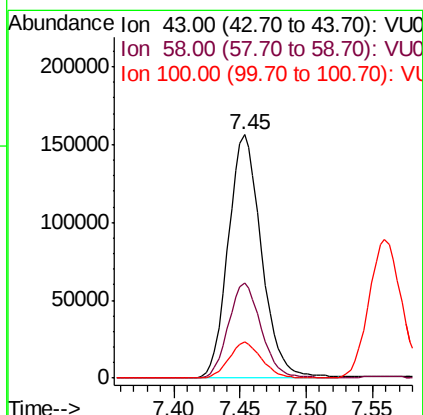
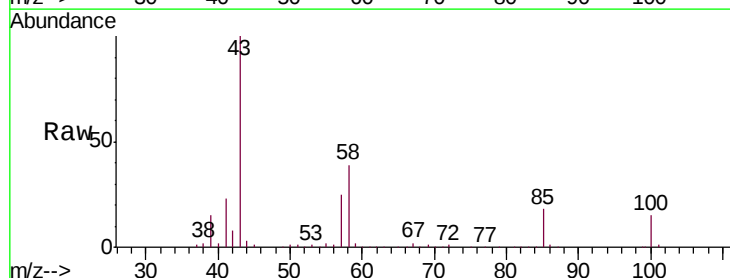
Tgt Ion: 75 Resp: 125634
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.0 41.0

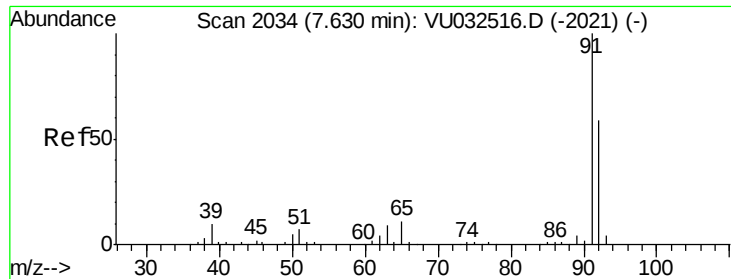


#40

4-Methyl-2-pentanone
 Concen: 106.577 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Tgt Ion: 43 Resp: 272912
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.8 46.2
 100 14.5 12.1 18.1





#42

Toluene

Concen: 49.860 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

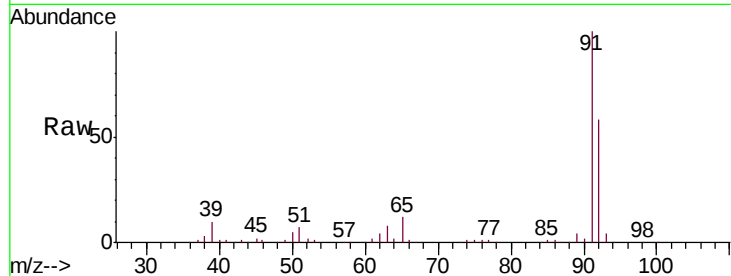
VSTD05035

Tgt Ion: 91 Resp: 327877

Ion Ratio Lower Upper

91 100

92 57.8 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032516.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032516.D (-2021) (-)

7.63

200000

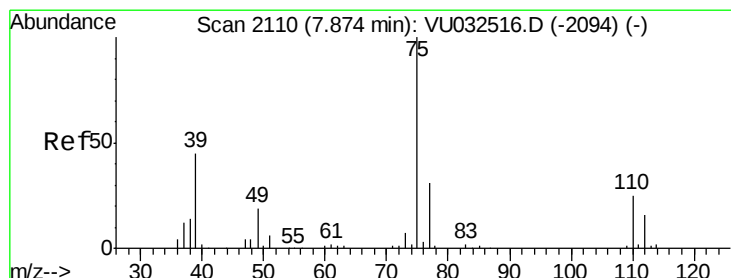
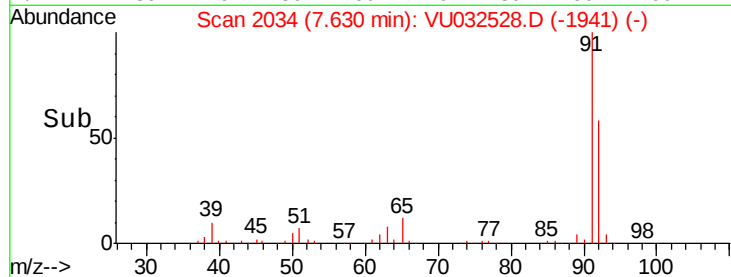
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.717 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032528.D

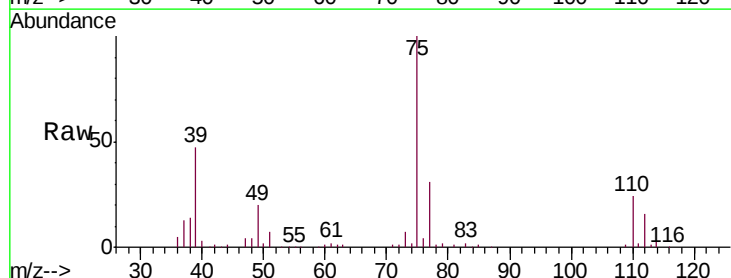
Acq: 07 Jun 2019 05:11

Tgt Ion: 75 Resp: 110824

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032516.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032516.D (-2094) (-)

7.87

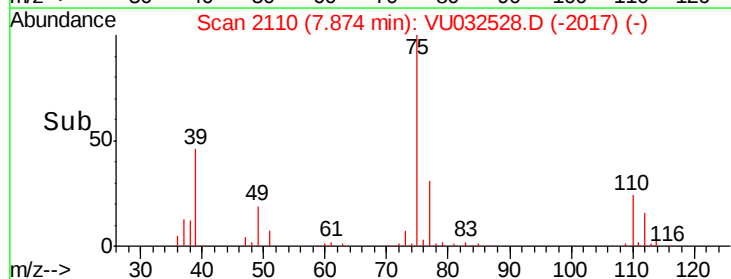
60000

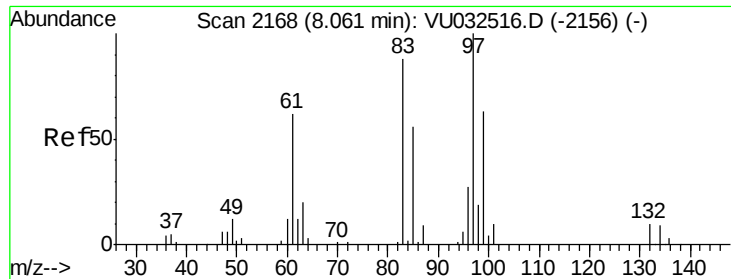
40000

20000

0

Time-->

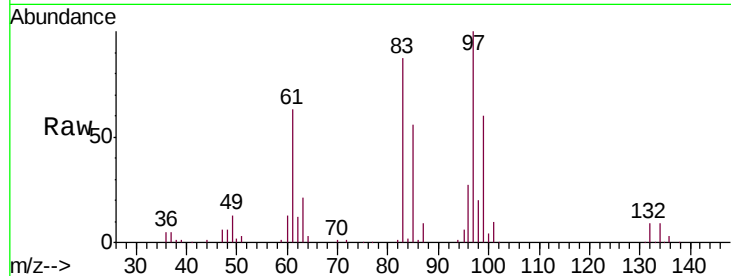




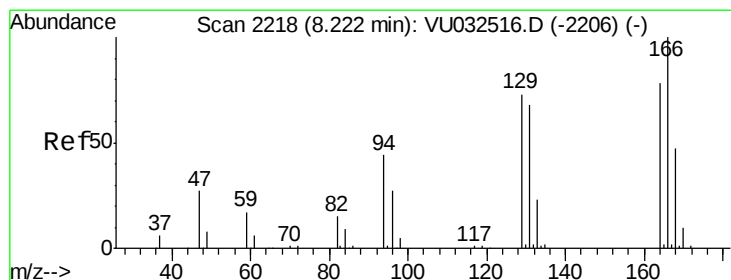
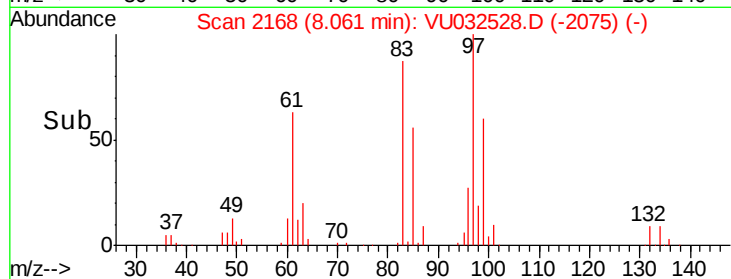
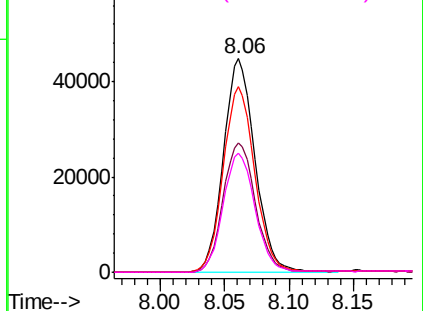
#45
 1,1,2-Trichloroethane
 Concen: 50.541 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Tgt Ion:	97	Resp:	76074
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.1	81.9
83	86.9	59.4	110.2
85	56.0	39.1	72.7

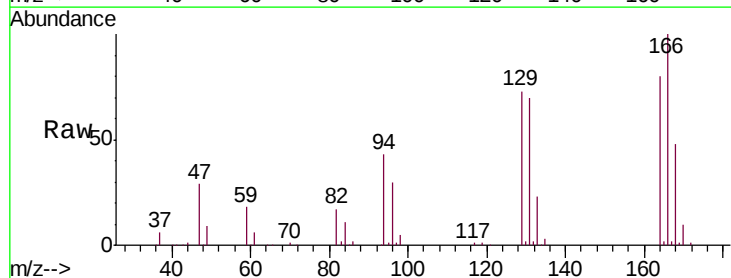


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

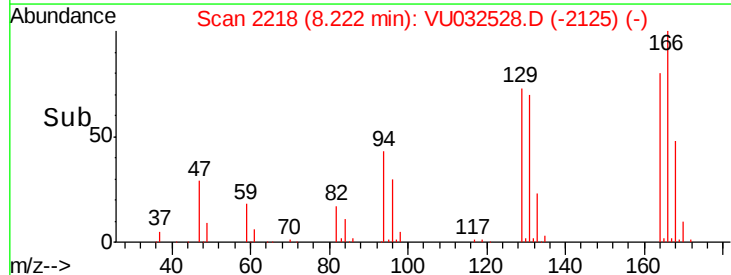
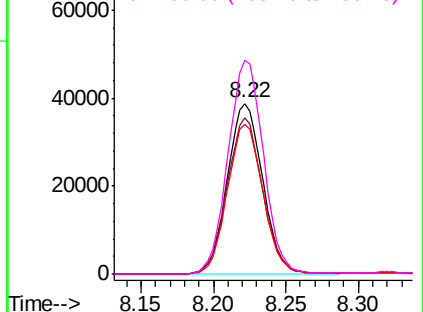


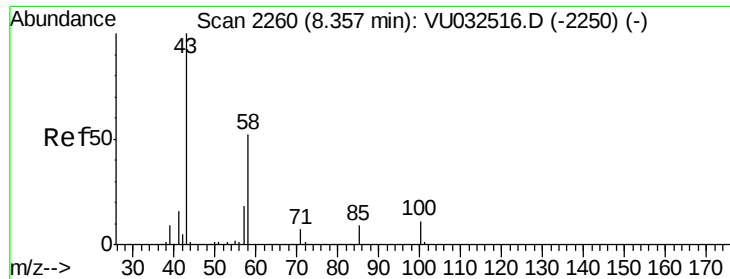
#46
 Tetrachloroethene
 Concen: 48.768 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Tgt Ion:	164	Resp:	65799
Ion	Ratio	Lower	Upper
164	100		
129	91.5	65.3	121.3
131	88.3	64.0	119.0
166	125.4	88.8	165.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

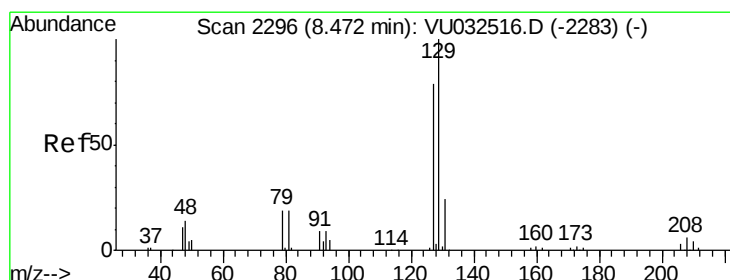
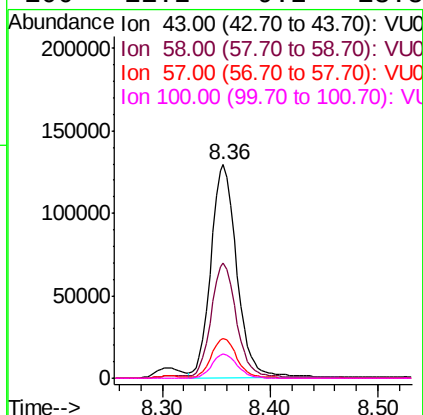
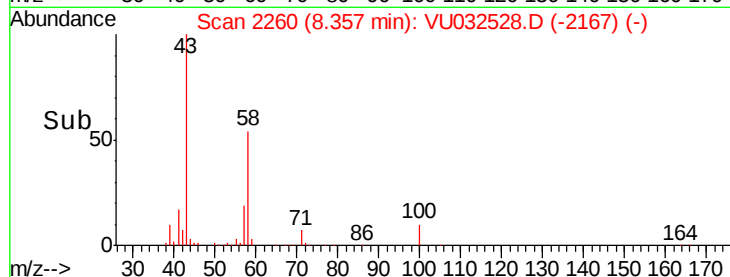
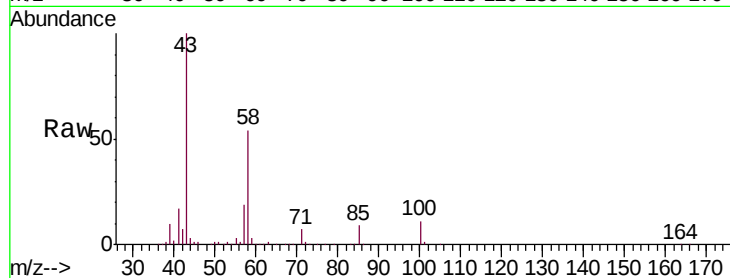




#48
2-Hexanone
Concen: 102.671 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

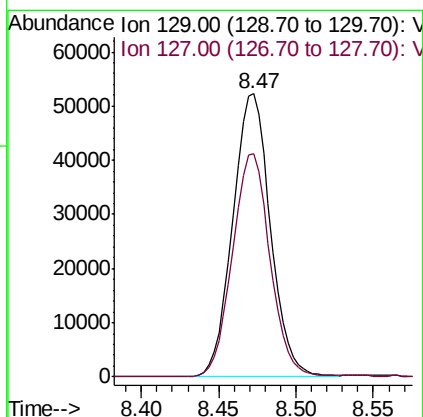
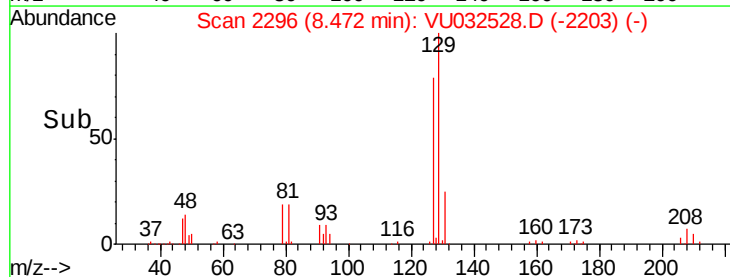
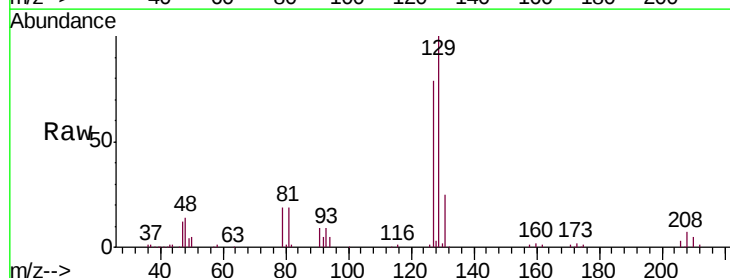
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

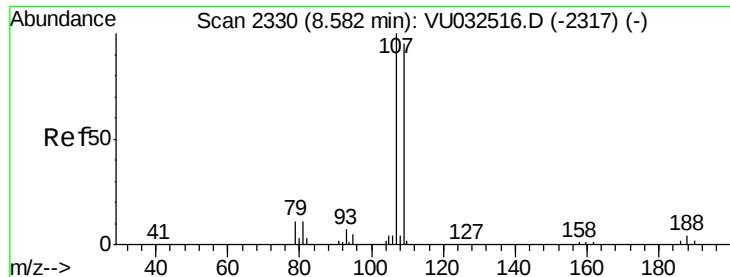
Tgt Ion: 43 Resp: 215941
Ion Ratio Lower Upper
43 100
58 52.8 42.0 63.0
57 18.0 14.6 22.0
100 11.2 9.2 13.8



#49
Dibromochloromethane
Concen: 50.623 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

Tgt Ion: 129 Resp: 88566
Ion Ratio Lower Upper
129 100
127 78.8 53.6 99.6

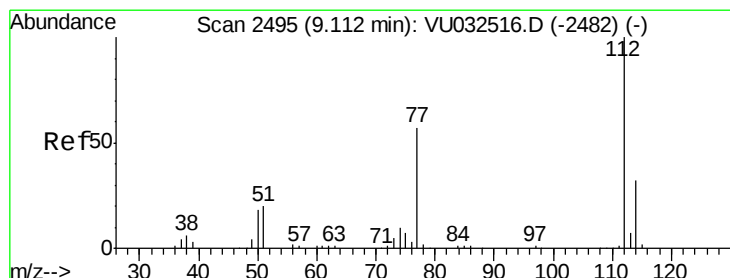
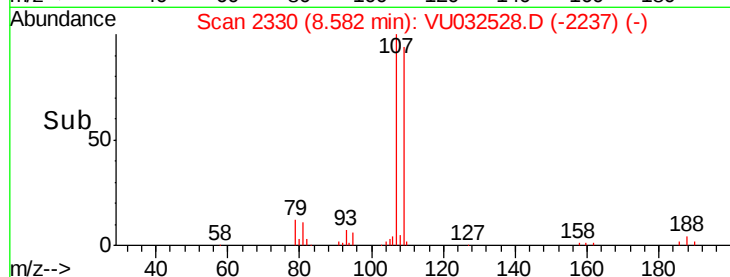
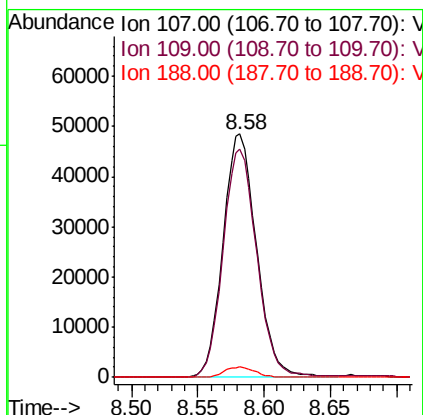
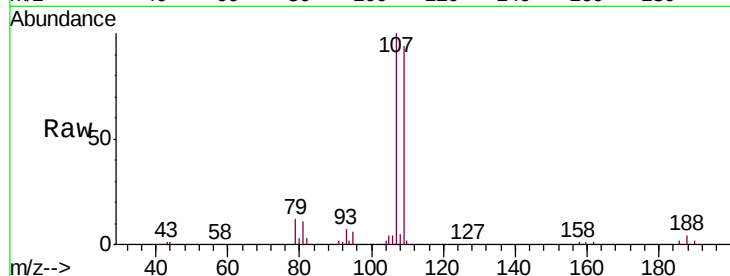




#50
 1,2-Dibromoethane
 Concen: 50.302 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

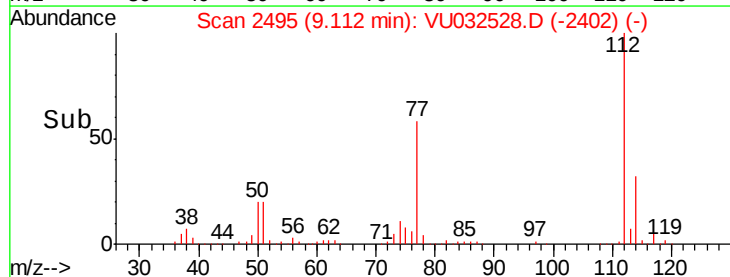
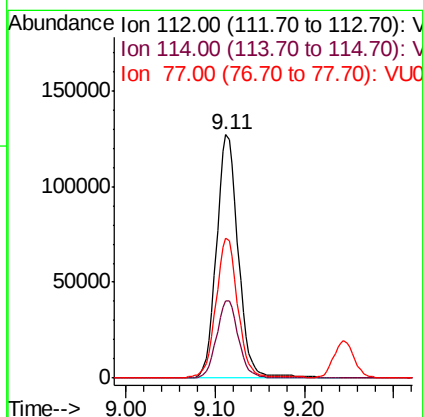
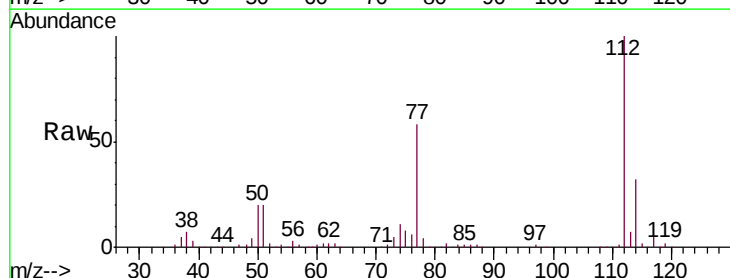
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

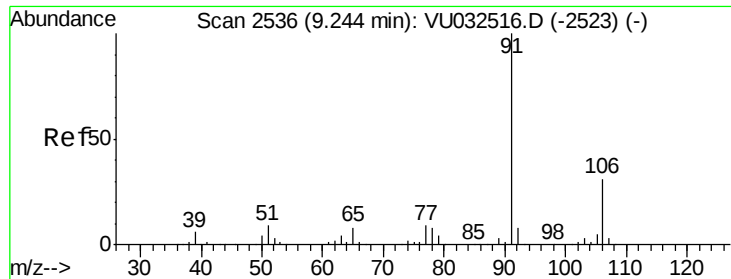
Tgt Ion:107 Resp: 85223
 Ion Ratio Lower Upper
 107 100
 109 93.8 66.8 124.0
 188 4.1 3.1 4.7



#51
 Chlorobenzene
 Concen: 50.743 ug/L
 RT: 9.11 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Tgt Ion:112 Resp: 214982
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.6 42.0
 77 57.6 46.1 69.1





#52

Ethylbenzene

Concen: 49.622 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

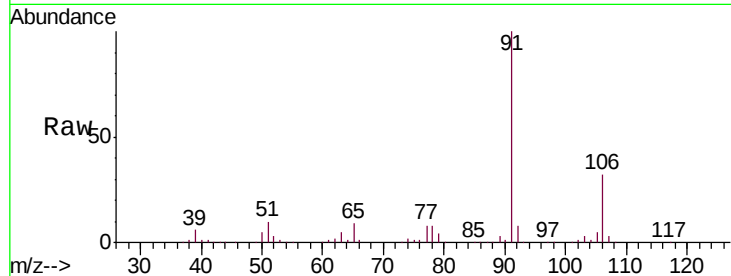
VSTD05035

Tgt Ion: 91 Resp: 363728

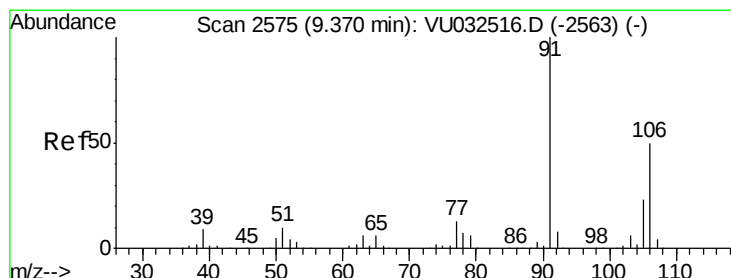
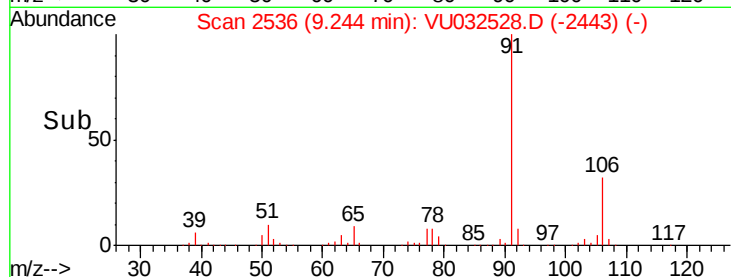
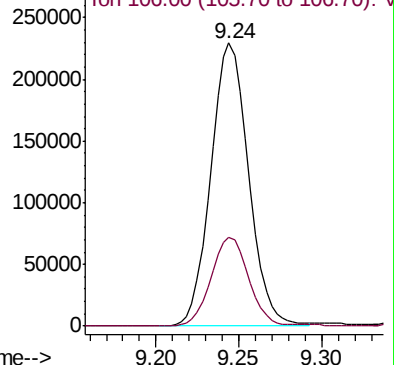
Ion Ratio Lower Upper

91 100

106 31.6 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032516.D (-2523) (-)



#53

m,p-Xylene

Concen: 48.659 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032528.D

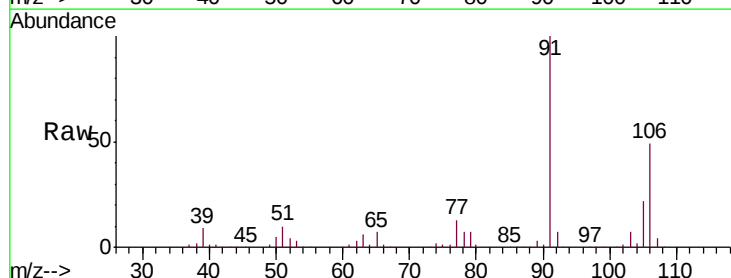
Acq: 07 Jun 2019 05:11

Tgt Ion: 106 Resp: 135624

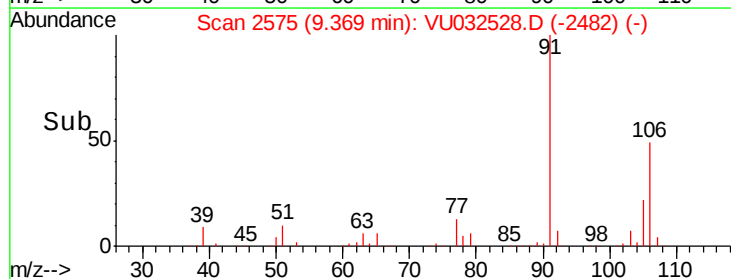
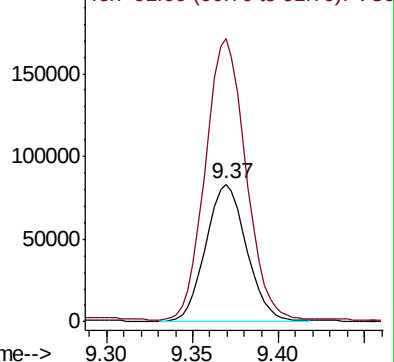
Ion Ratio Lower Upper

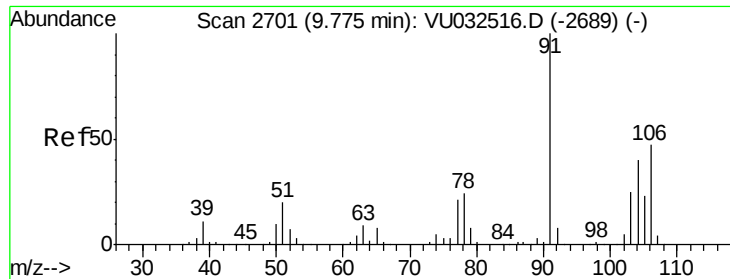
106 100

91 205.5 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032516.D (-2563) (-)





#54

o-xylene

Concen: 50.131 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

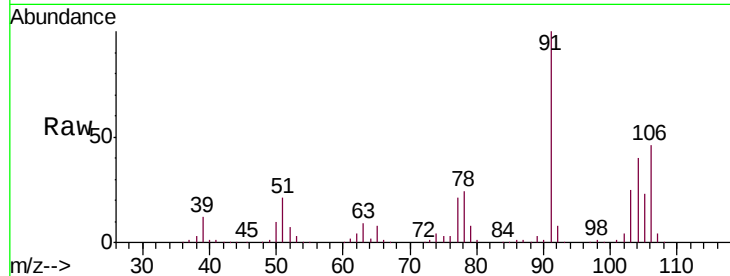
VSTD05035

Tgt Ion:106 Resp: 138733

Ion Ratio Lower Upper

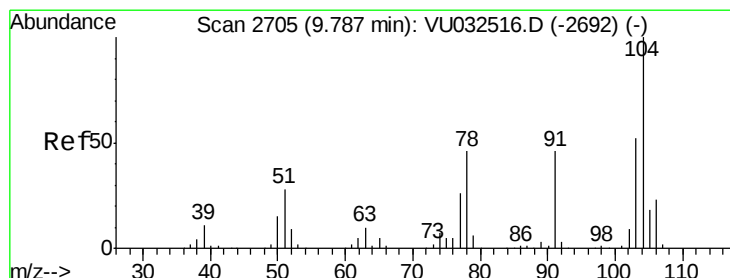
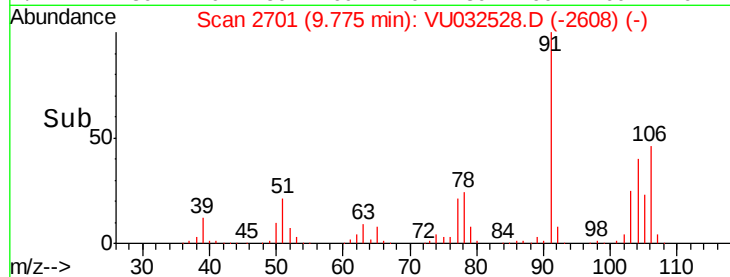
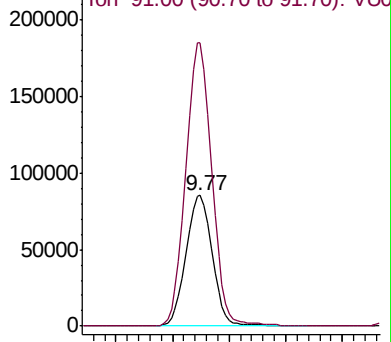
106 100

91 216.5 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.837 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032528.D

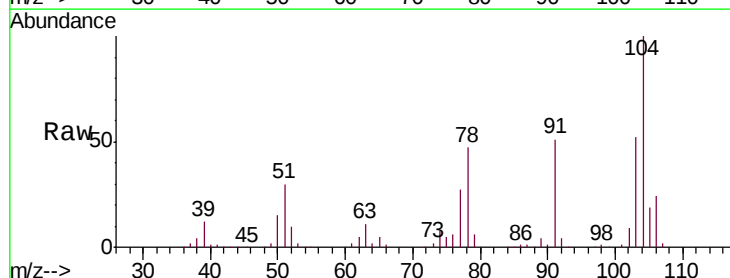
Acq: 07 Jun 2019 05:11

Tgt Ion:104 Resp: 234866

Ion Ratio Lower Upper

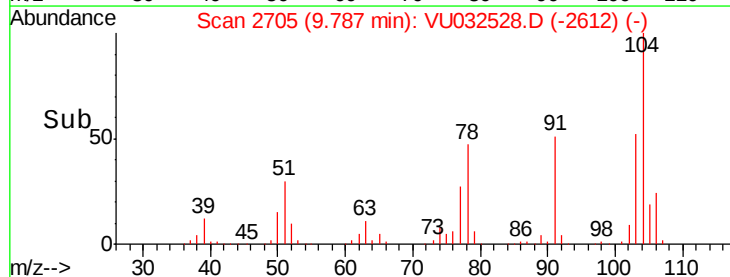
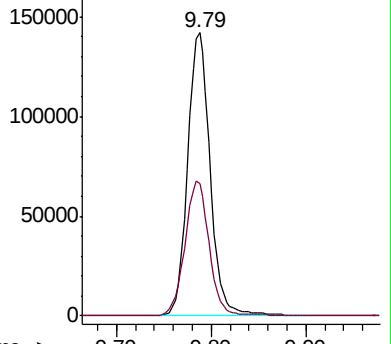
104 100

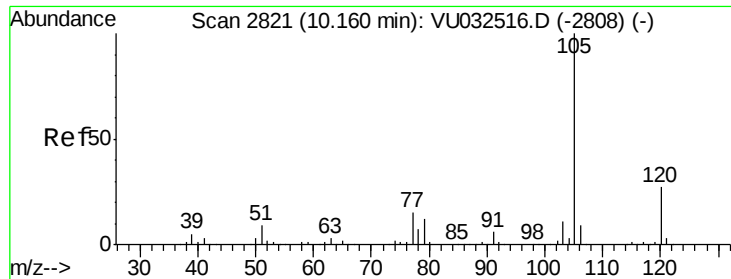
78 46.7 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

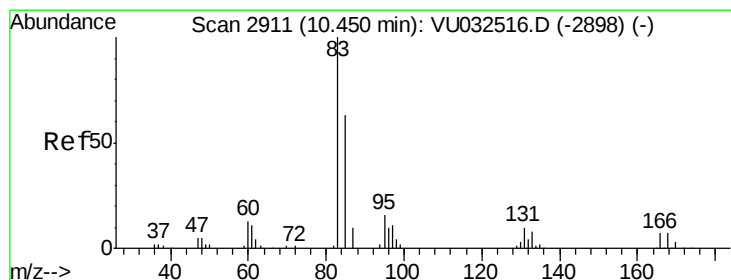
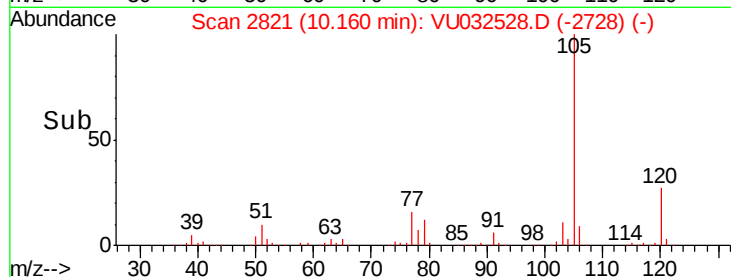
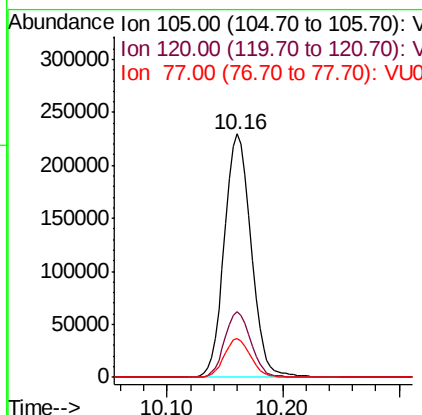
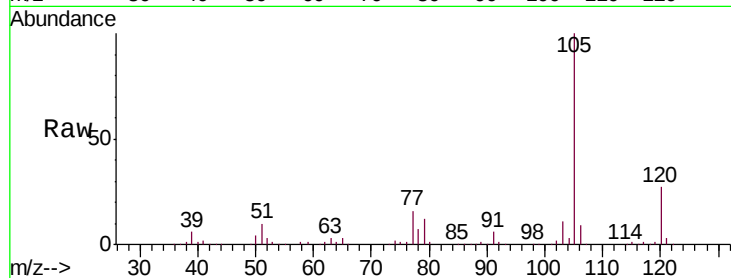




#56
Isopropylbenzene
Concen: 50.217 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

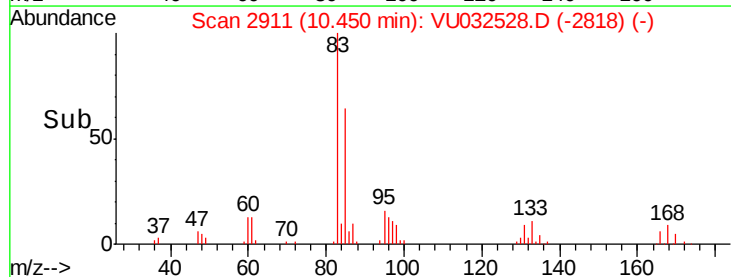
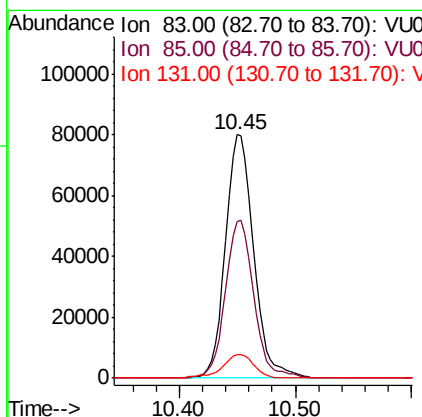
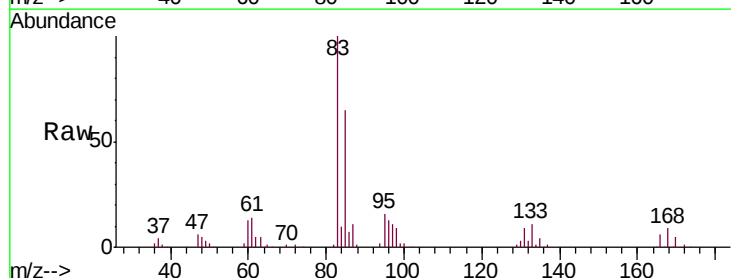
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

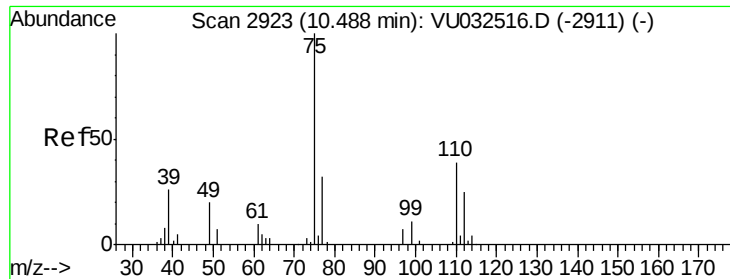
Tgt Ion:105 Resp: 366449
Ion Ratio Lower Upper
105 100
120 26.7 21.6 32.4
77 15.7 12.4 18.6



#58
1,1,2,2-Tetrachloroethane
Concen: 52.146 ug/L
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU032528.D
Acq: 07 Jun 2019 05:11

Tgt Ion: 83 Resp: 134150
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.7
131 9.5 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 52.465 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

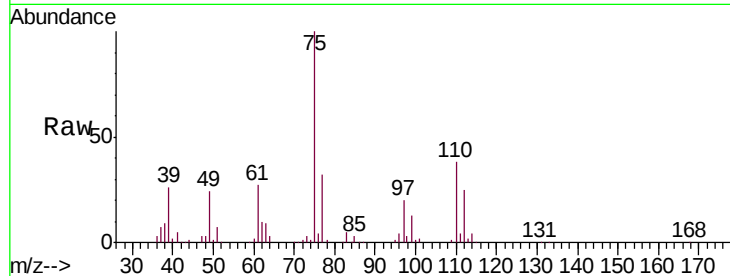
VSTD05035

Tgt Ion: 75 Resp: 108560

Ion Ratio Lower Upper

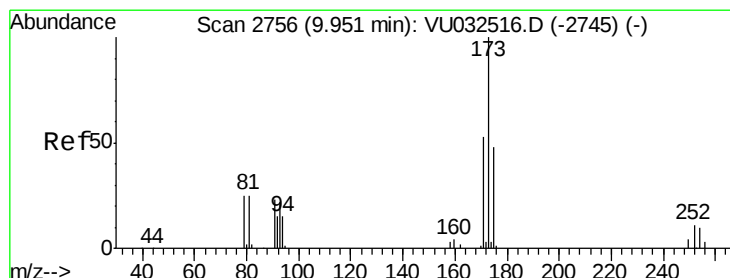
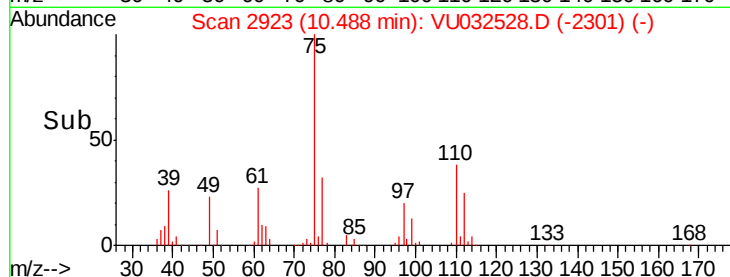
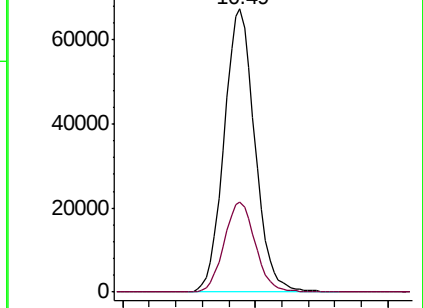
75 100

77 32.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU032516.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU032516.D (-2911) (-)



#61

Bromoform

Concen: 52.712 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

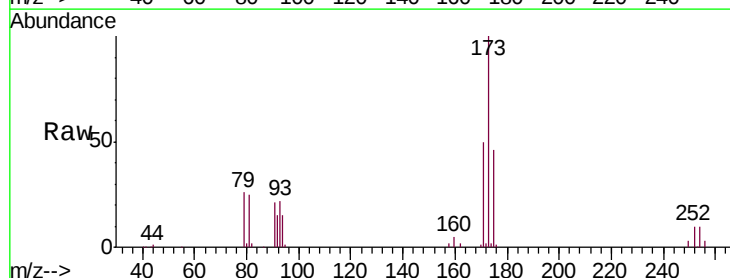
Tgt Ion: 173 Resp: 71591

Ion Ratio Lower Upper

173 100

175 48.0 39.7 59.5

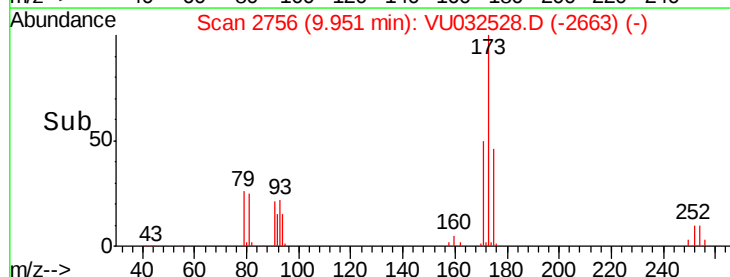
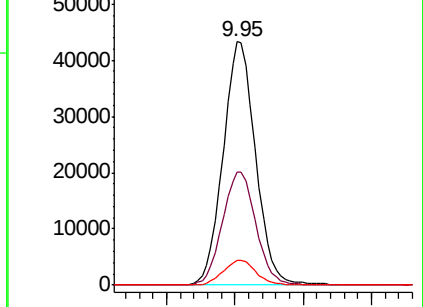
254 10.2 7.8 11.8

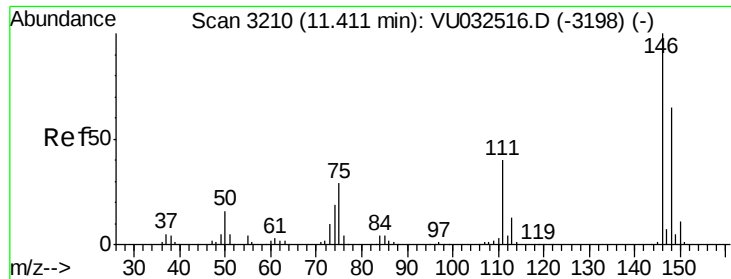


Abundance Ion 173.00 (172.70 to 173.70): VU032516.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU032516.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU032516.D (-2745) (-)

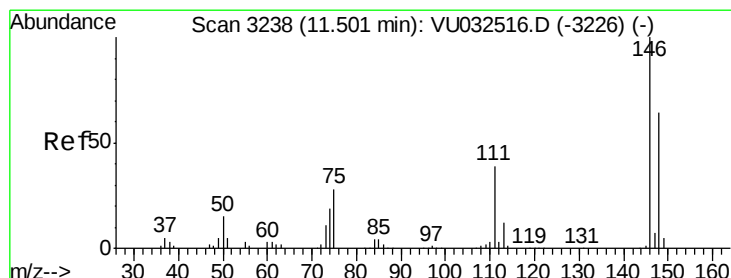
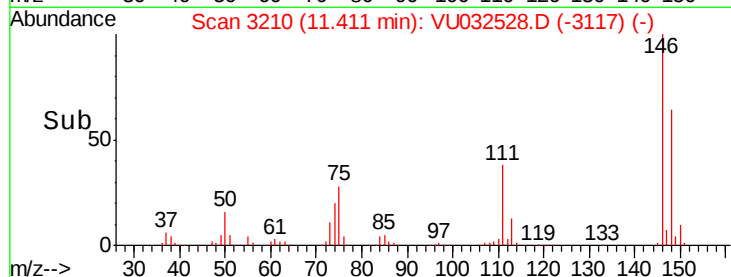
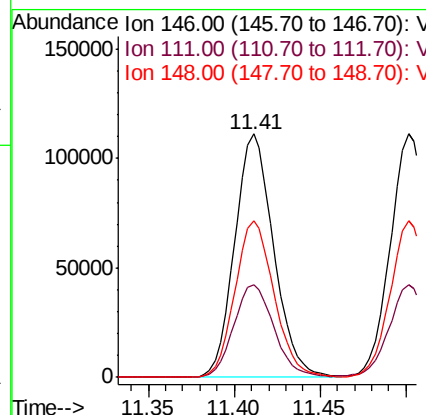
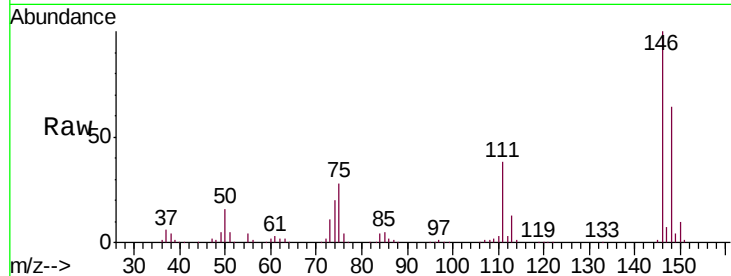




#62
 1,3-Dichlorobenzene
 Concen: 50.828 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

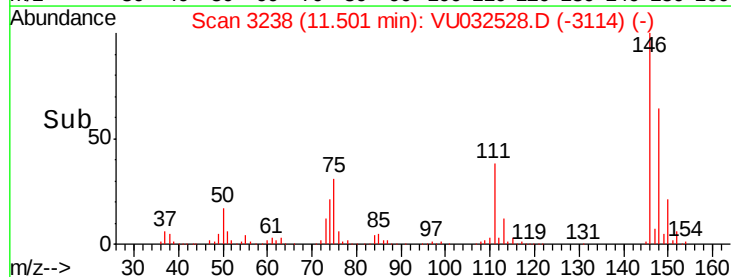
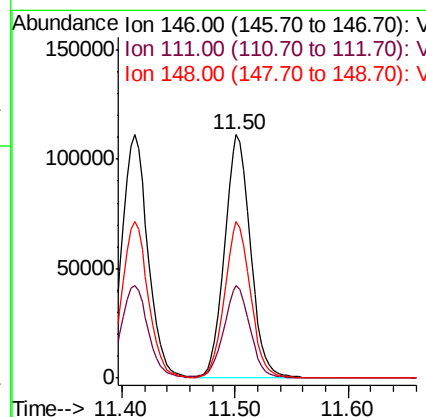
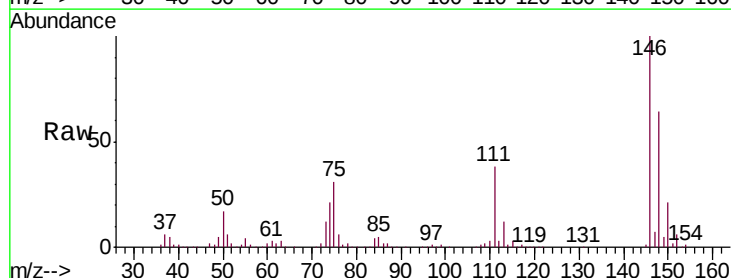
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05035

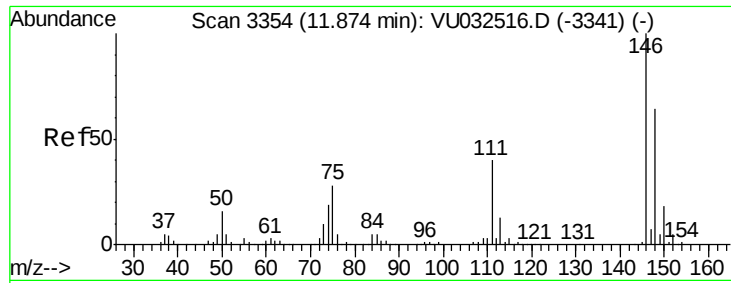
Tgt Ion:146 Resp: 175172
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.3 50.7
 148 64.5 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 50.024 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Tgt Ion:146 Resp: 176253
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.6 49.4
 148 64.4 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 50.777 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

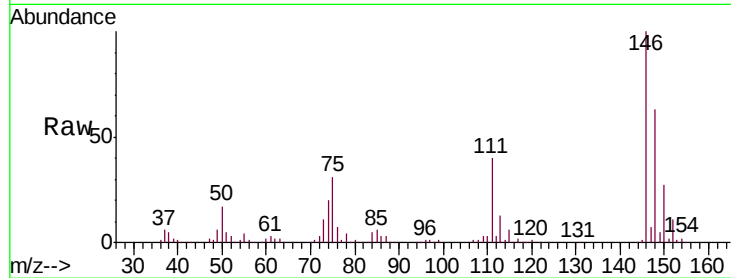
Tgt Ion:146 Resp: 176924

Ion Ratio Lower Upper

146 100

111 40.1 32.6 48.8

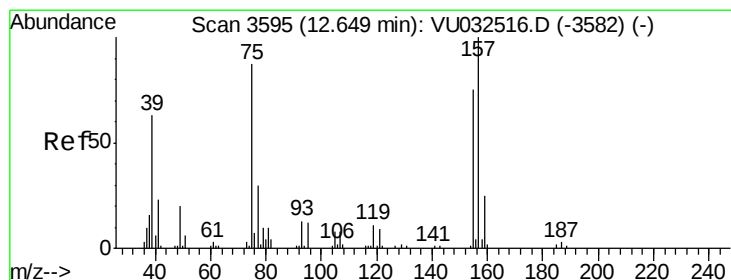
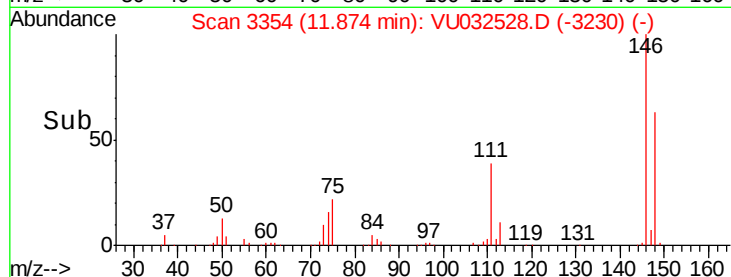
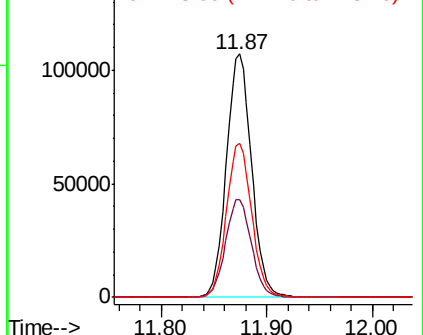
148 63.2 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): 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: 58.150 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

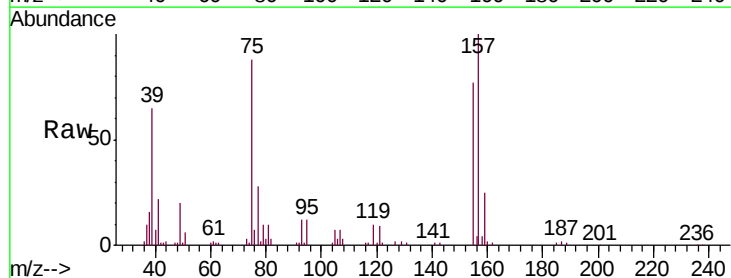
Tgt Ion: 75 Resp: 34089

Ion Ratio Lower Upper

75 100

155 88.2 73.1 109.7

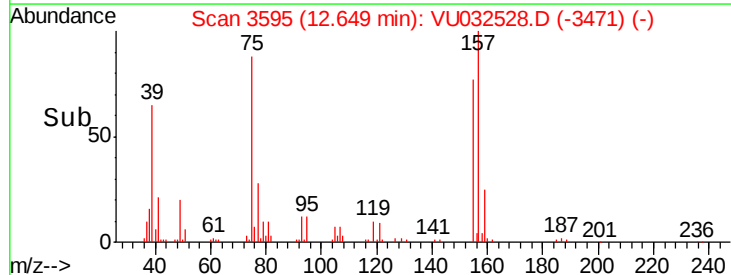
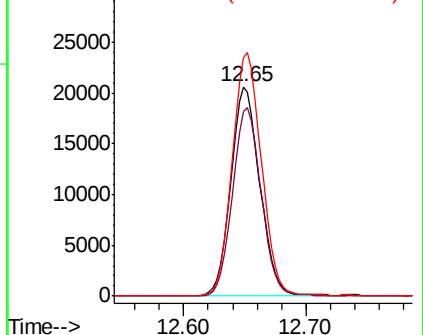
157 114.0 91.4 137.2

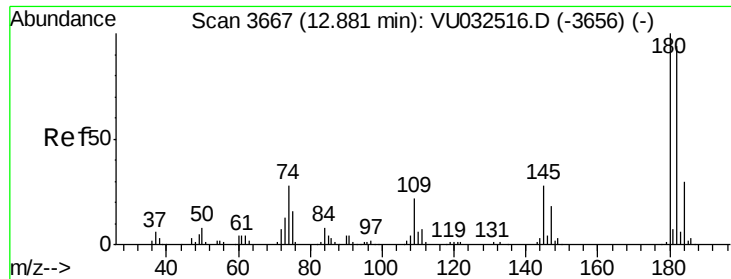


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

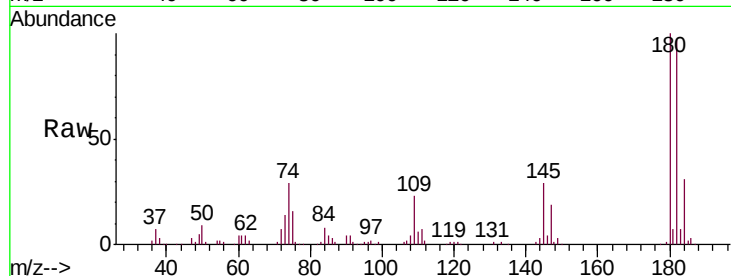




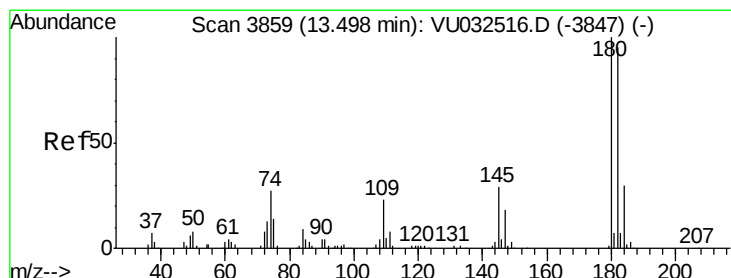
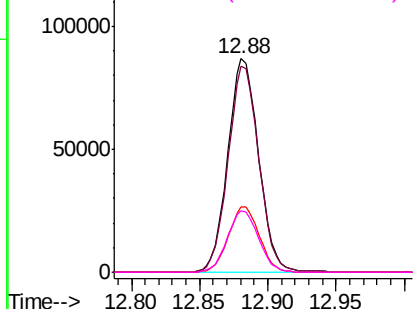
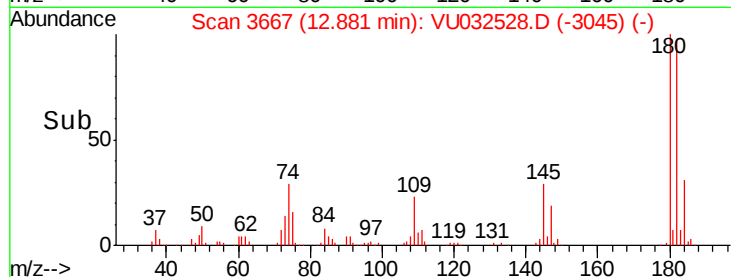
#67
 1,3,5-Trichlorobenzene
 Concen: 51.099 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Tgt Ion:180 Resp: 137013
 Ion Ratio Lower Upper
 180 100
 182 95.9 78.2 117.4
 184 30.7 24.2 36.2
 145 29.1 23.9 35.9

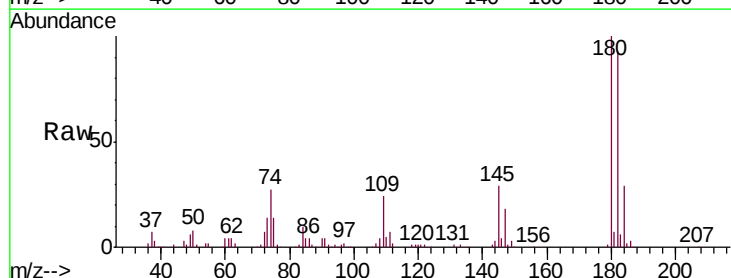


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

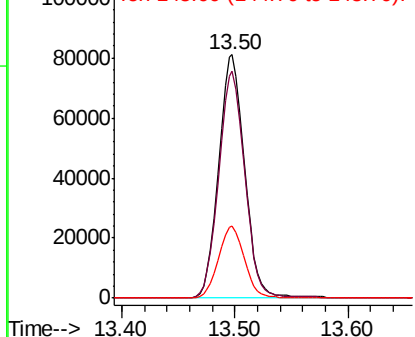
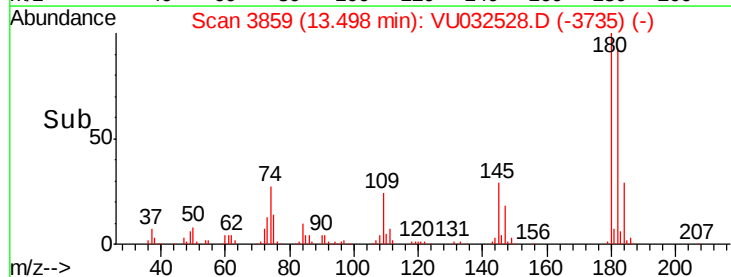


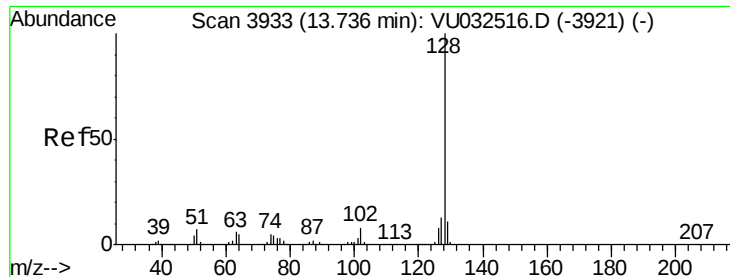
#68
 1,2,4-trichlorobenzene
 Concen: 56.980 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032528.D
 Acq: 07 Jun 2019 05:11

Tgt Ion:180 Resp: 129432
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.5 114.7
 145 29.4 23.8 35.6



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





#69

Naphthalene

Concen: 59.157 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

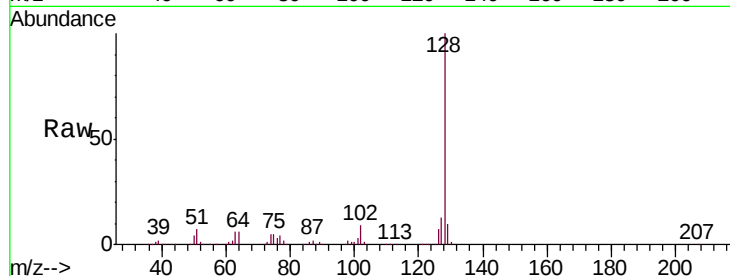
Tgt Ion:128 Resp: 423864

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

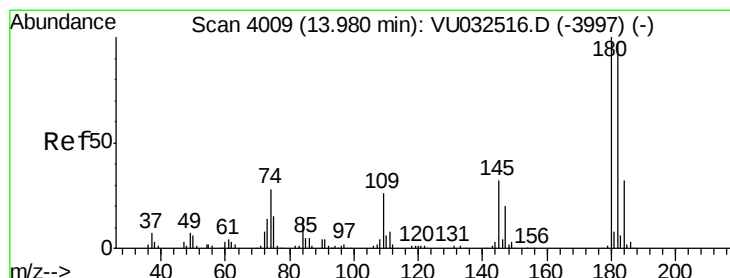
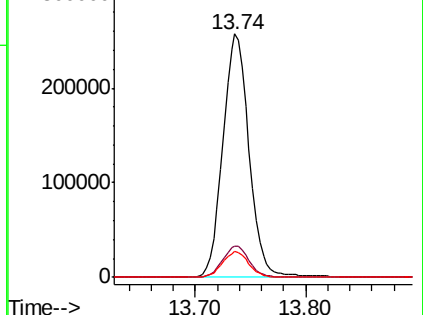
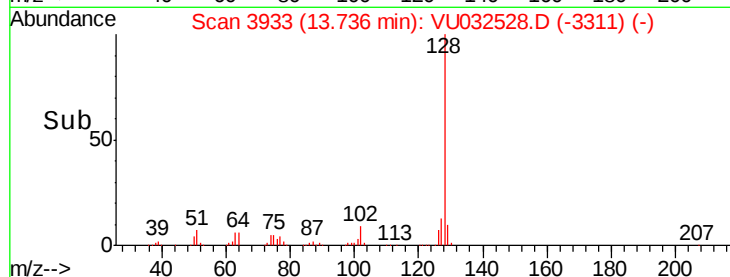
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.082 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032528.D

Acq: 07 Jun 2019 05:11

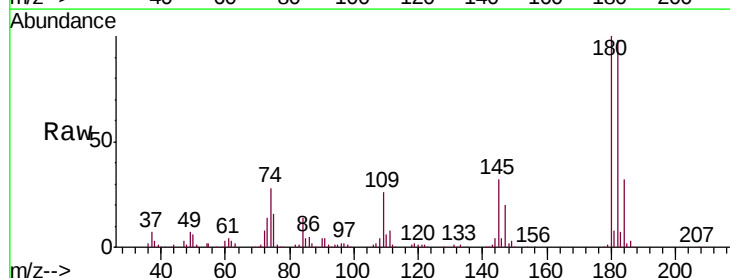
Tgt Ion:180 Resp: 130218

Ion Ratio Lower Upper

180 100

182 96.8 76.7 115.1

145 31.9 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

