

Data File : VU035928.D
Acq On : 29 Nov 2019 17:23
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Nov 30 03:25:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	247431	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	276339	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	130918	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.93	69	126396	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.59	63	223478	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.70	46	368825	49.31	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.62%
24) Chloroform-d	5.11	84	249919	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.75	65	135115	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.77	84	476742	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.73	67	158957	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.93	98	437561	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.21	79	61481	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.68	63	311338	56.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	138190	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	150496	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	134172	4.002	ug/L 99
3) Chloromethane	1.54	50	164662	3.989	ug/L 98
5) Vinyl chloride	1.62	62	180526	4.369	ug/L 94
6) Bromomethane	1.87	94	79381	3.738	ug/L 98
8) Chloroethane	1.95	64	116328	4.866	ug/L 98
9) Trichlorofluoromethane	2.16	101	222420	4.636	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	119261	4.376	ug/L 93
12) 1,1-Dichloroethene	2.61	96	110662	4.298	ug/L 86
13) Acetone	2.68	43	247227	37.632	ug/L 95
14) Carbon disulfide	2.82	76	334007	3.906	ug/L 100
15) Methyl Acetate	3.00	43	56374	4.280	ug/L 99
16) Methylene chloride	3.08	84	138006	4.437	ug/L 95
17) Methyl tert-butyl Ether	3.42	73	270855	4.348	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	113876	4.492	ug/L 98
19) 1,1-Dichloroethane	3.92	63	255644	4.488	ug/L 98
21) 2-Butanone	4.78	43	394947	47.508	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	130490	4.619	ug/L 96

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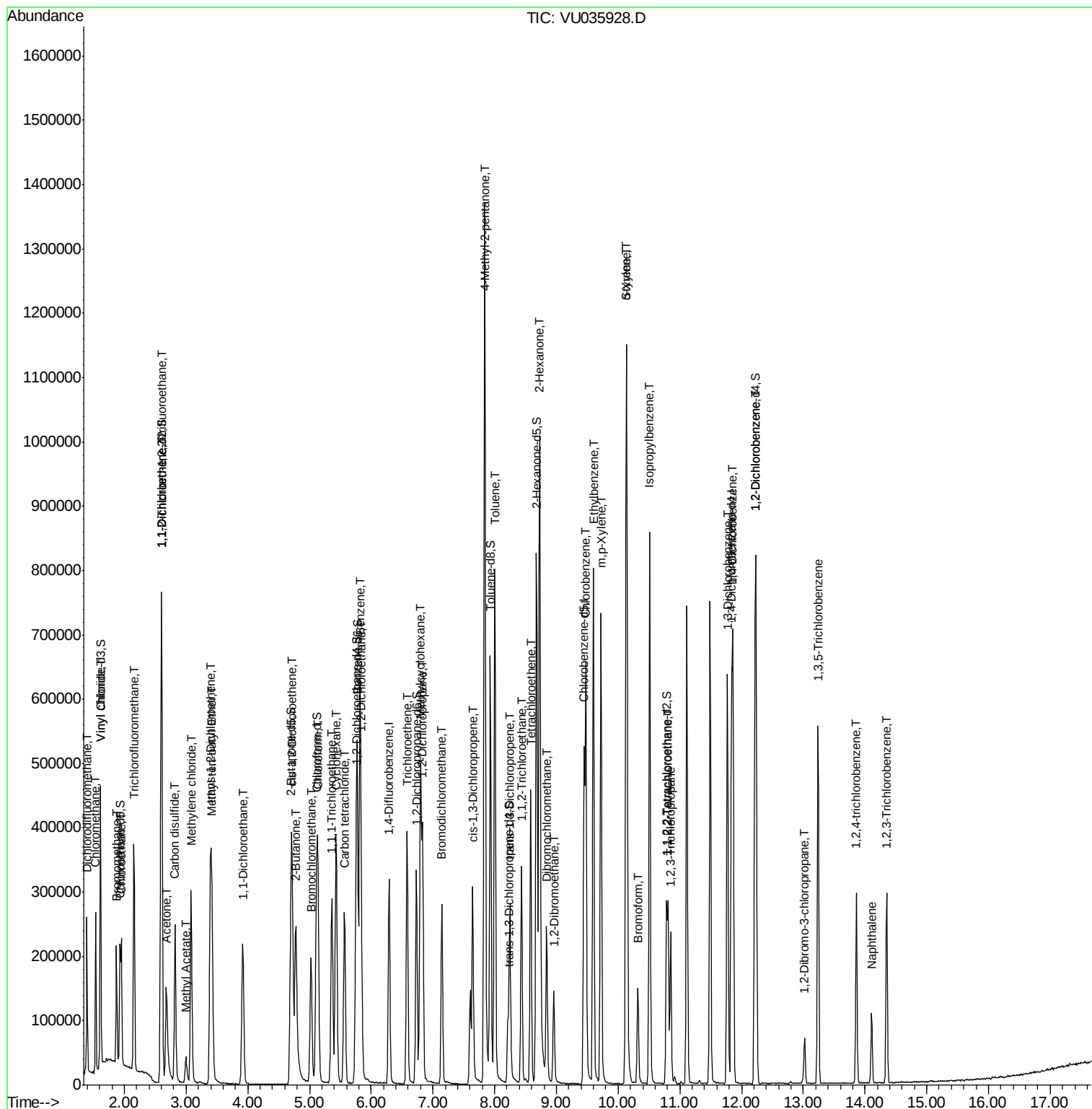
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	60694	4.932	ug/L	94
25) Chloroform	5.14	83	258874	4.671	ug/L	99
27) 1,2-Dichloroethane	5.84	62	164482	4.512	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	206537	4.628	ug/L	97
30) Cyclohexane	5.43	56	175270	4.019	ug/L	98
31) Carbon tetrachloride	5.57	117	177148	4.584	ug/L	97
33) Benzene	5.82	78	544784	4.723	ug/L	100
34) Trichloroethene	6.58	95	133781	4.730	ug/L	95
35) Methylcyclohexane	6.80	83	165740	3.993	ug/L	97
37) 1,2-Dichloropropane	6.83	63	149274	4.563	ug/L	99
38) Bromodichloromethane	7.14	83	182611	4.657	ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	185986	4.392	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	928645	46.235	ug/L	98
42) Toluene	8.00	91	568669	4.739	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	161216	4.591	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	104374	4.896	ug/L	99
47) Tetrachloroethene	8.58	164	102175	4.748	ug/L	96
48) 2-Hexanone	8.73	43	700359	47.362	ug/L	93
49) Dibromochloromethane	8.84	129	123221	4.900	ug/L	100
50) 1,2-Dibromoethane	8.96	107	95383	4.890	ug/L	99
51) Chlorobenzene	9.48	112	339967	4.574	ug/L	100
52) Ethylbenzene	9.60	91	548423	4.420	ug/L	99
53) m,p-Xylene	9.72	106	201410	4.604	ug/L	93
54) o-Xylene	10.13	106	201288	4.738	ug/L	95
55) Styrene	10.14	104	352575	5.004	ug/L	96
56) Isopropylbenzene	10.51	105	522082	4.652	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	133384	4.522	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	99863	4.695	ug/L	98
61) Bromoform	10.32	173	69831	4.372	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	262365	4.598	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	255256	4.544	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	253733	4.661	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	19665	4.365	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	170729	4.979	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	92782	4.708	ug/L	98
69) Naphthalene	14.11	128	81145	2.924	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	90305	4.712	ug/L	99

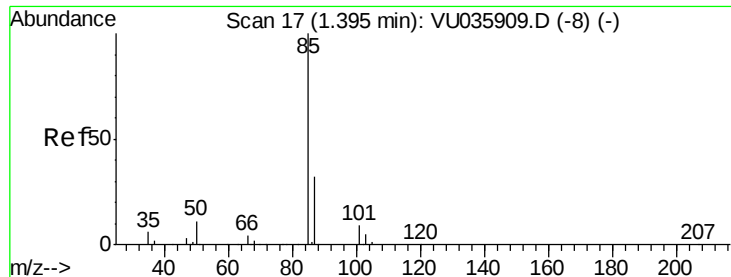
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.002 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

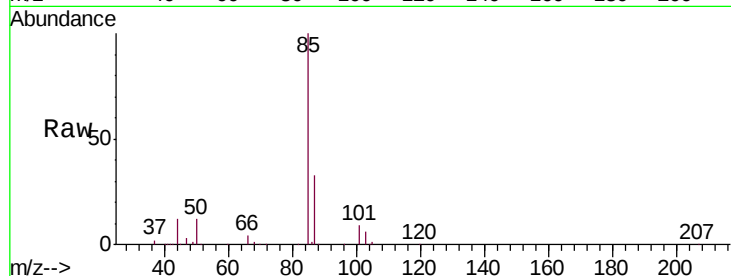
VSTD00516

Tgt Ion: 85 Resp: 134172

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035909.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU035909.D (-8) (-)

1.39

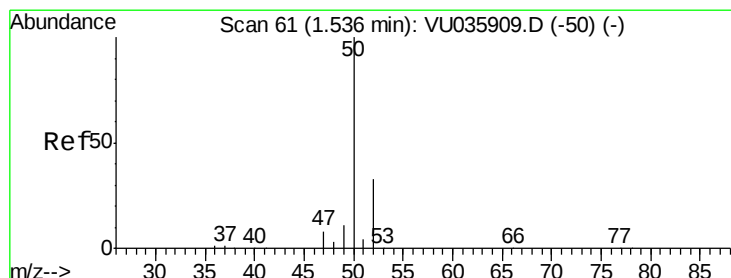
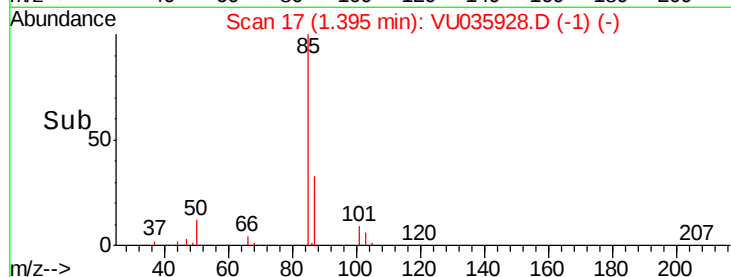
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.989 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035928.D

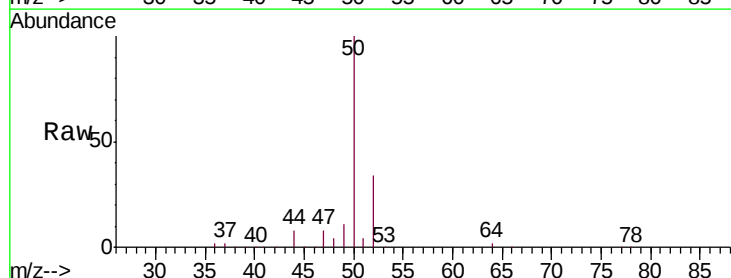
Acq: 29 Nov 2019 17:23

Tgt Ion: 50 Resp: 164662

Ion Ratio Lower Upper

50 100

52 33.6 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035909.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU035909.D (-50) (-)

1.54

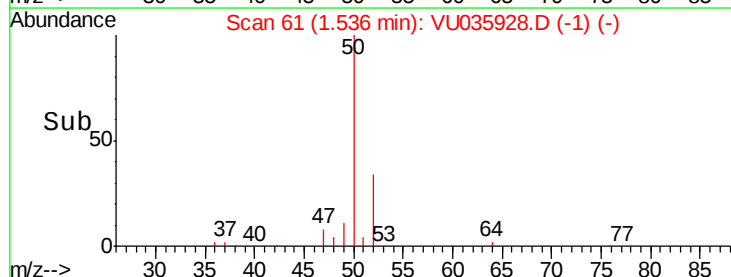
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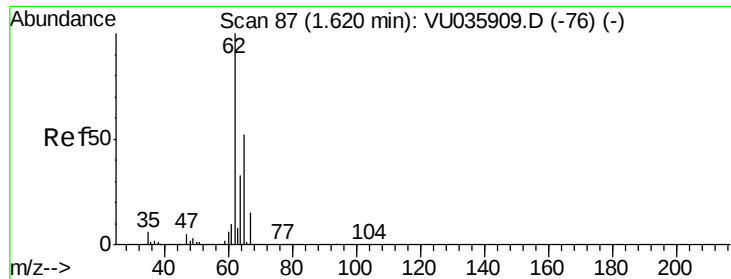
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.369 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

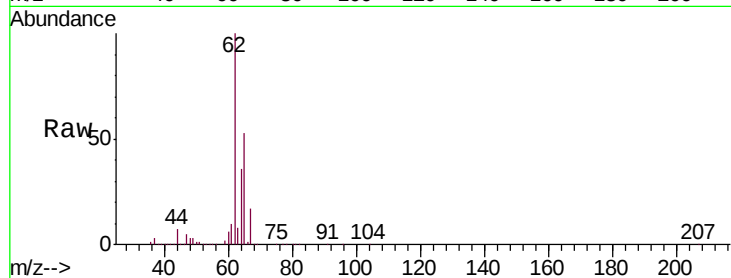
VSTD00516

Tgt Ion: 62 Resp: 180526

Ion Ratio Lower Upper

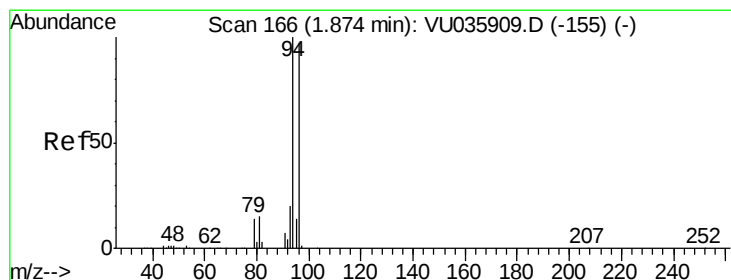
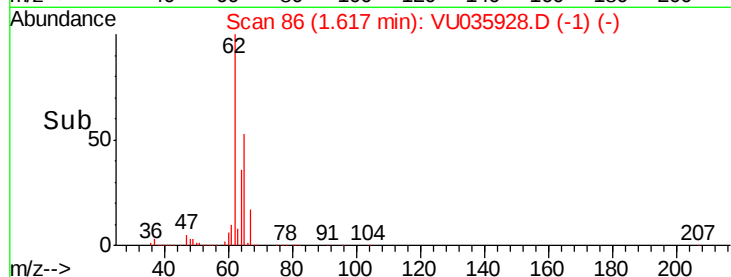
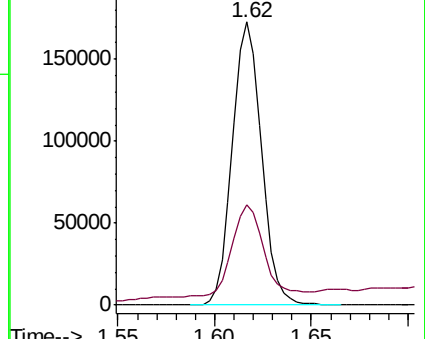
62 100

64 35.5 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035909.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU035909.D (-76) (-)



#6

Bromomethane

Concen: 3.738 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035928.D

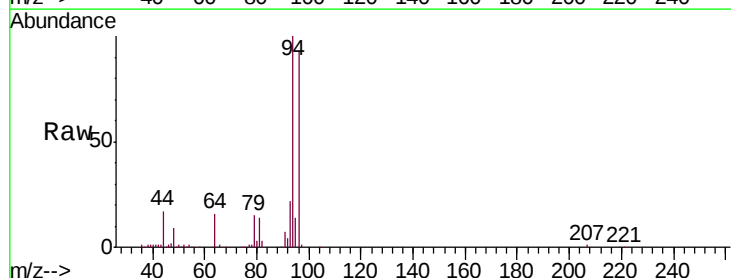
Acq: 29 Nov 2019 17:23

Tgt Ion: 94 Resp: 79381

Ion Ratio Lower Upper

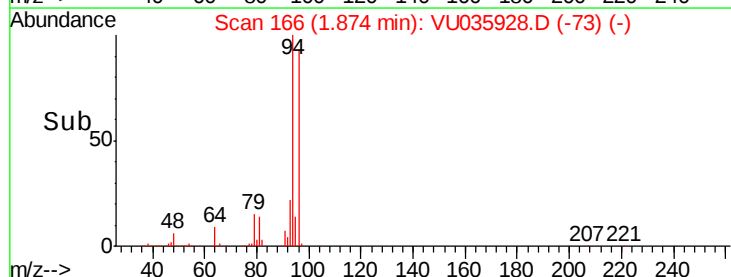
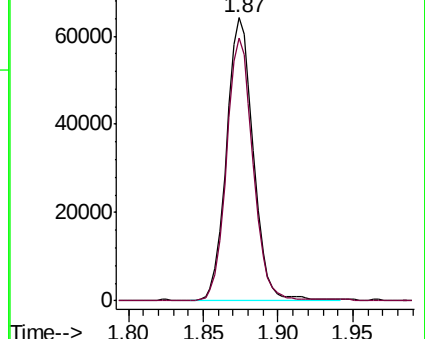
94 100

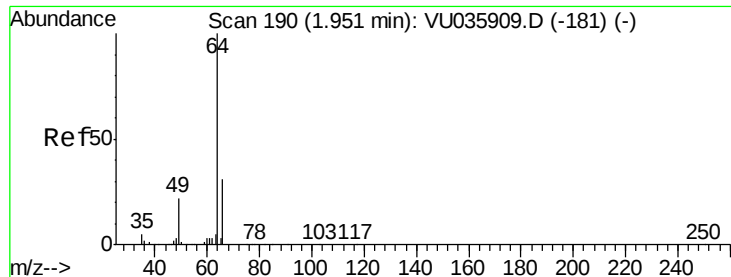
96 92.7 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035909.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035909.D (-155) (-)

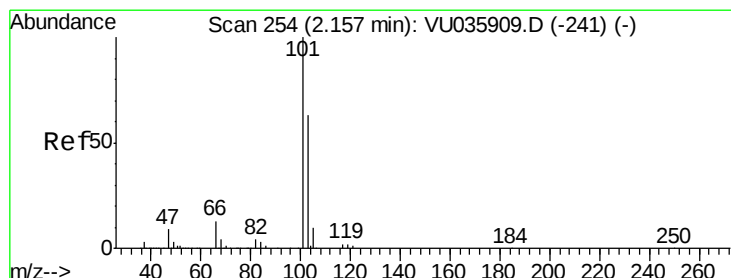
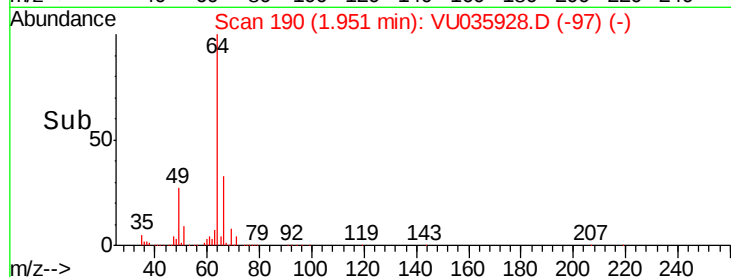
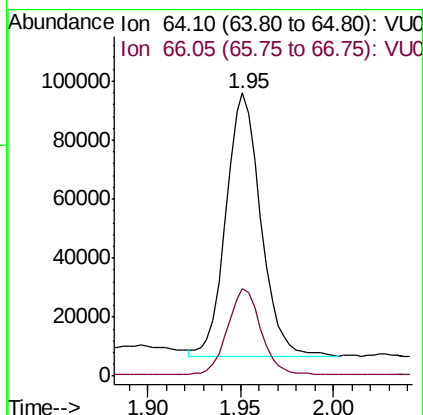
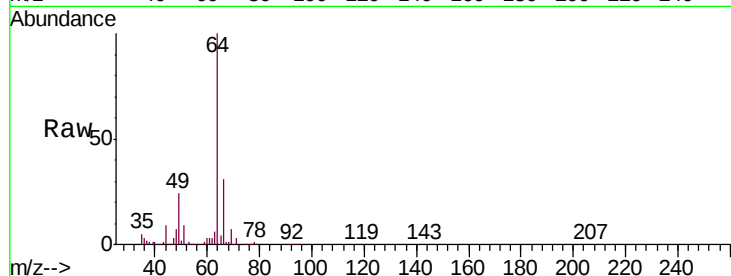




#8
Chloroethane
Concen: 4.866 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU035928.D
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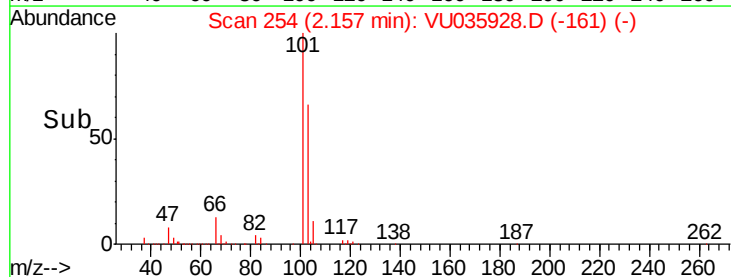
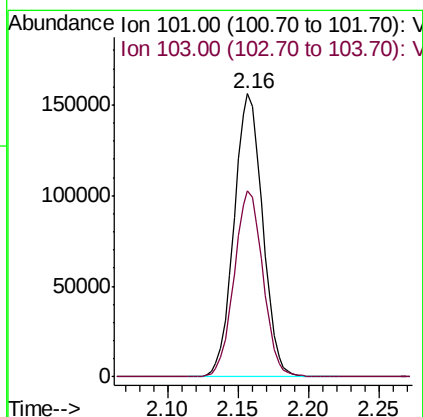
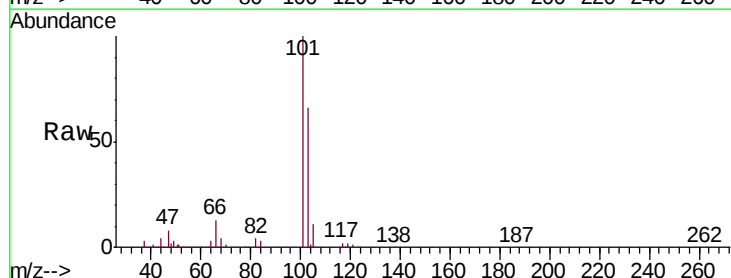
Instrument :
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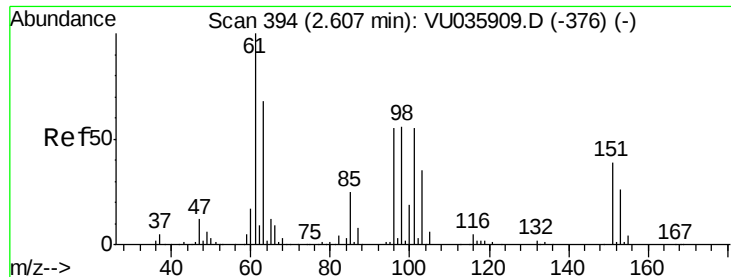
Tgt Ion: 64 Resp: 116328
Ion Ratio Lower Upper
64 100
66 31.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.636 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU035928.D
Acq: 29 Nov 2019 17:23

Tgt Ion: 101 Resp: 222420
Ion Ratio Lower Upper
101 100
103 66.3 49.8 74.6





#10

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

Concen: 4.376 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

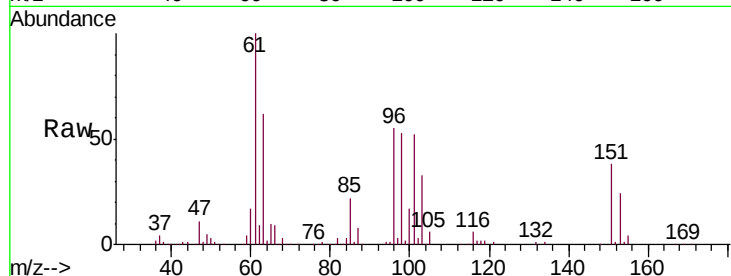
Tgt Ion: 101 Resp: 119261

Ion Ratio Lower Upper

101 100

85 44.0 38.1 57.1

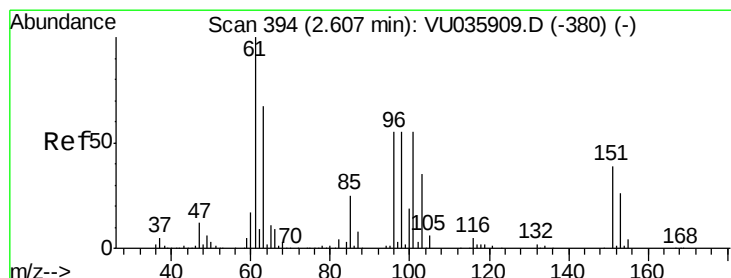
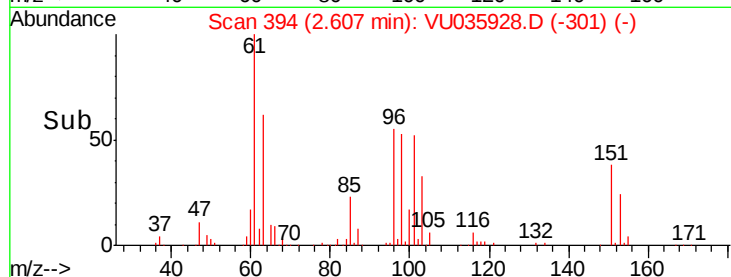
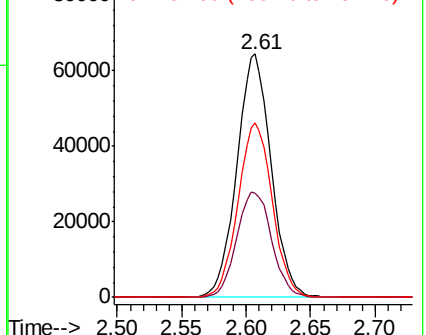
151 71.6 52.0 78.0



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: 4.298 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

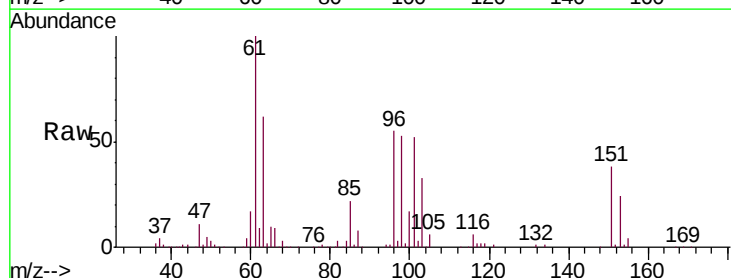
Tgt Ion: 96 Resp: 110662

Ion Ratio Lower Upper

96 100

61 181.7 139.3 258.7

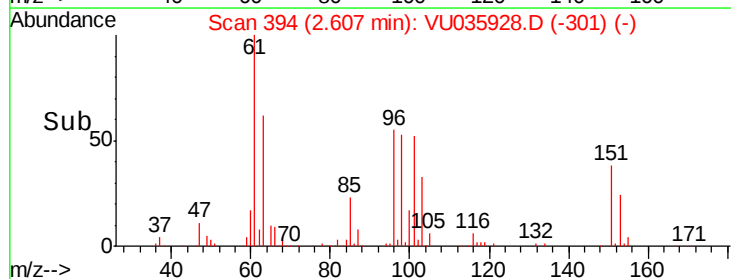
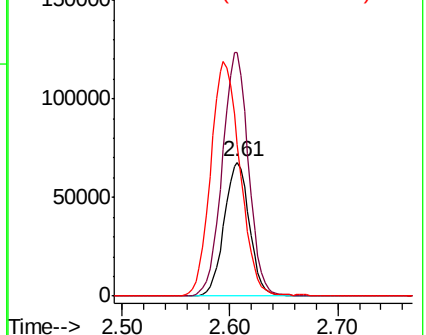
63 113.1 93.7 174.1

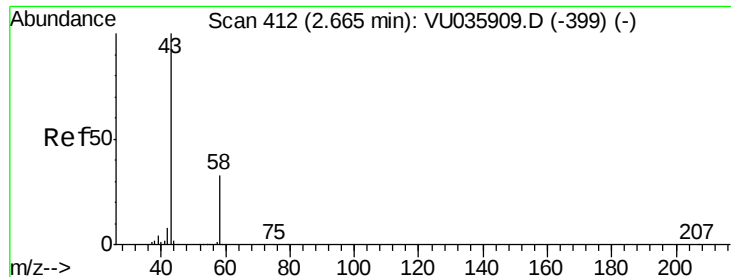


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 37.632 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.02 min

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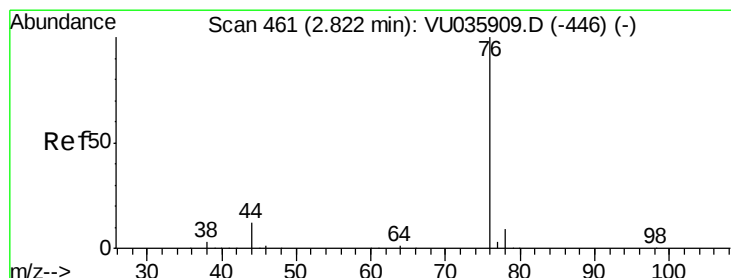
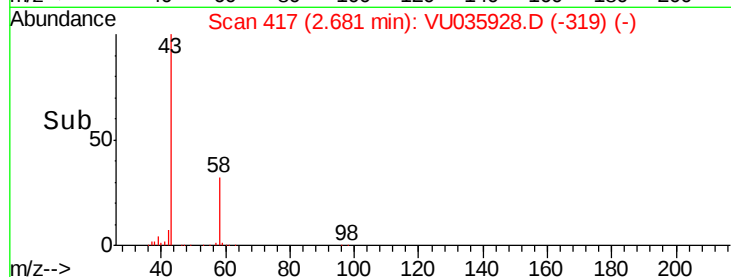
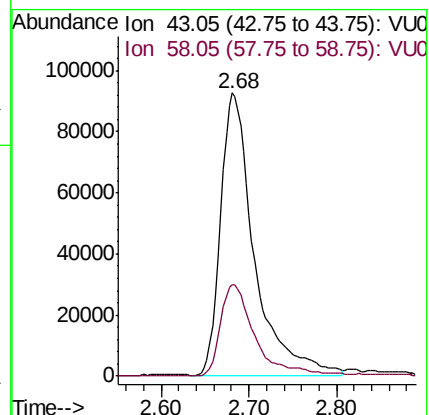
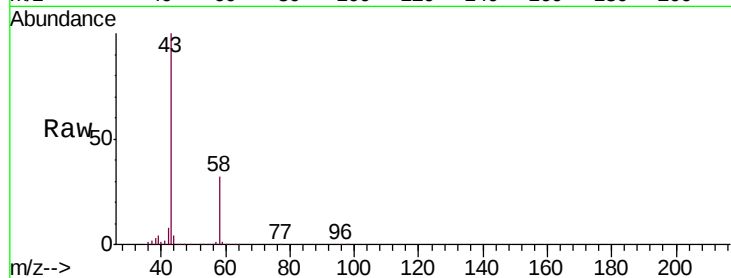
VSTD00516

Tgt Ion: 43 Resp: 247227

Ion Ratio Lower Upper

43 100

58 33.2 0.0 61.2



#14

Carbon disulfide

Concen: 3.906 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

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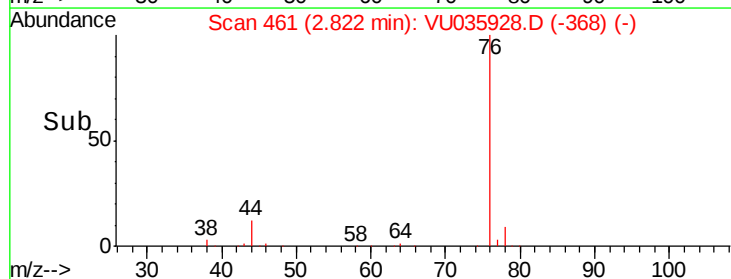
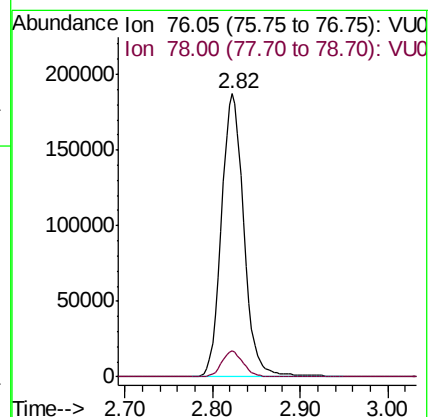
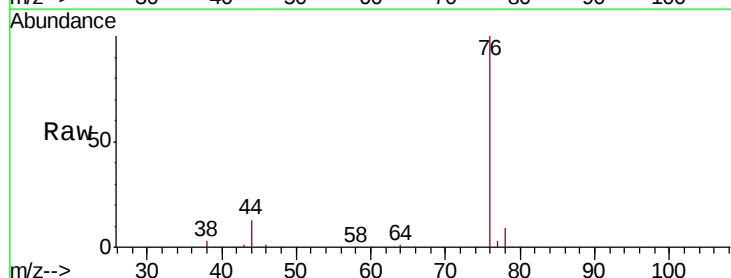
Acq: 29 Nov 2019 17:23

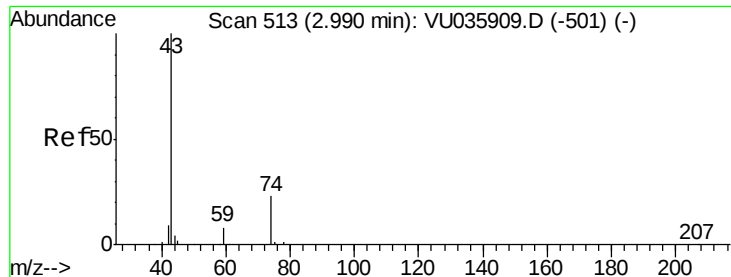
Tgt Ion: 76 Resp: 334007

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 4.280 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

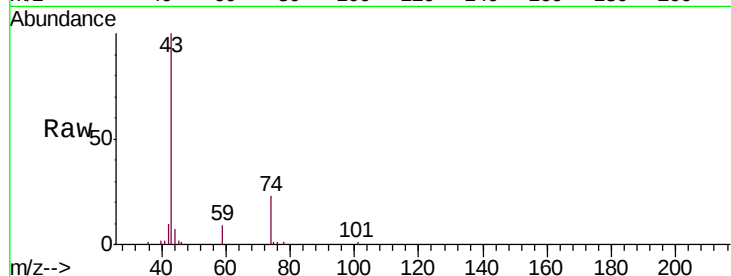
VSTD00516

Tgt Ion: 43 Resp: 56374

Ion Ratio Lower Upper

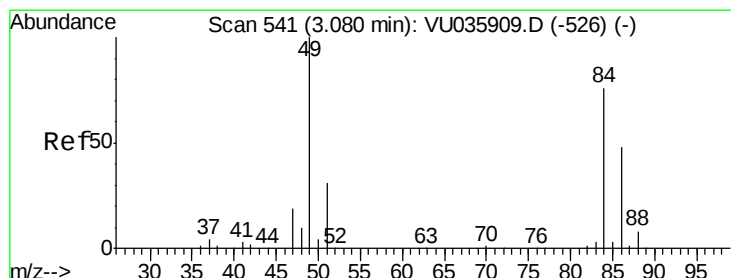
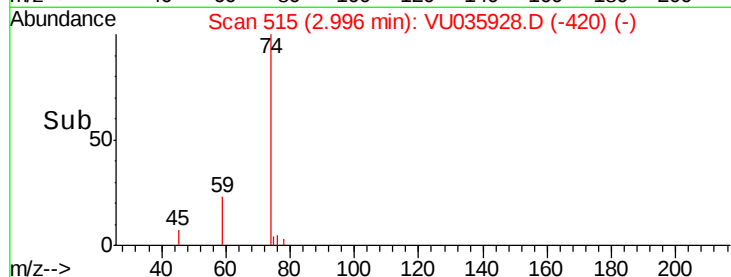
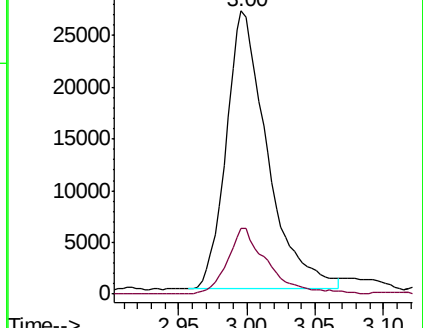
43 100

74 23.5 18.2 27.4



Abundance Ion 43.05 (42.75 to 43.75): VU035928.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU035928.D (-420) (-)



#16

Methylene chloride

Concen: 4.437 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

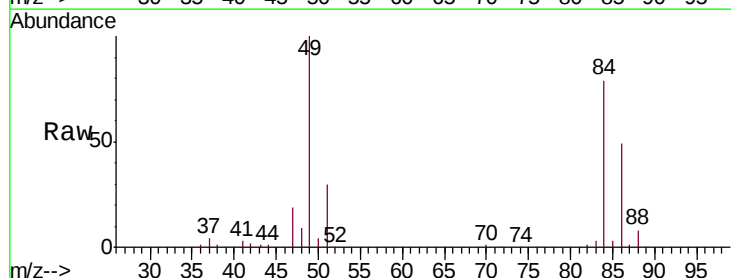
Tgt Ion: 84 Resp: 138006

Ion Ratio Lower Upper

84 100

86 62.3 44.4 82.5

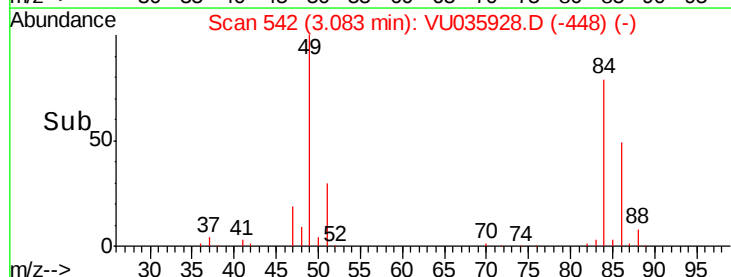
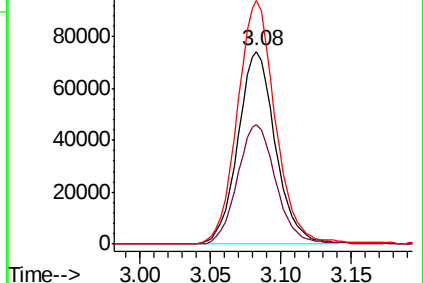
49 126.5 94.0 174.6

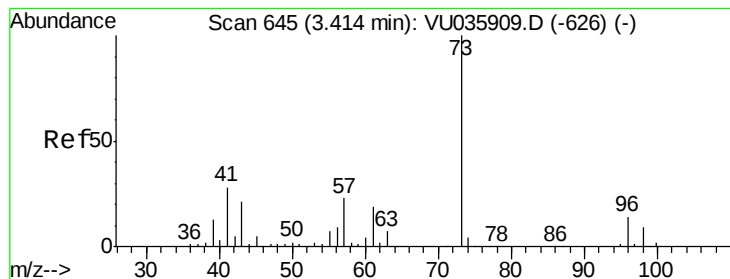


Abundance Ion 84.05 (83.75 to 84.75): VU035928.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035928.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035928.D (-448) (-)



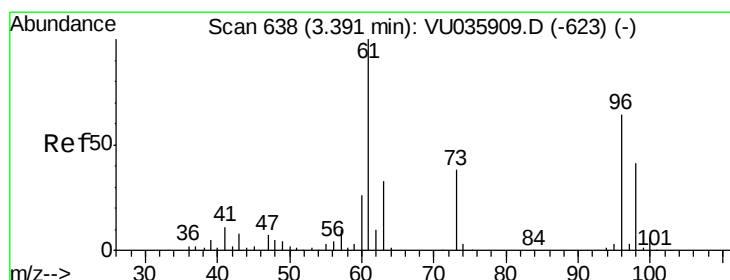
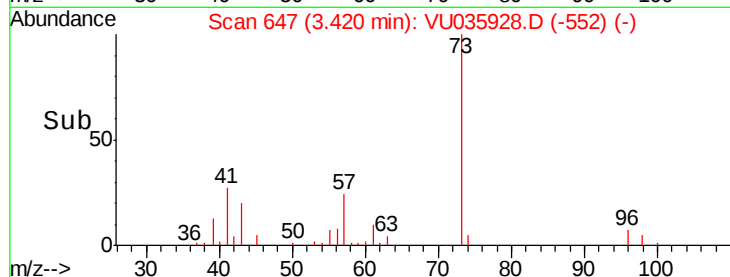
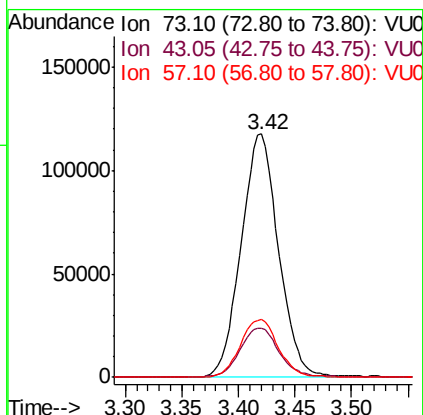
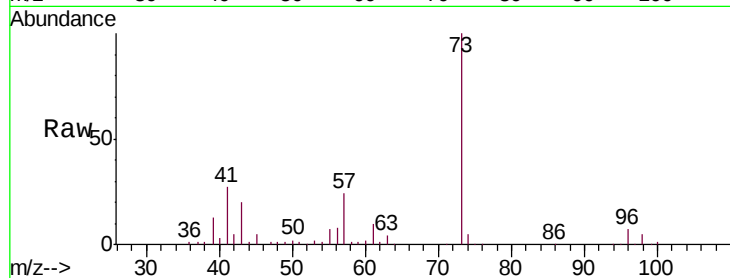


#17

Methyl tert-butyl Ether
 Concen: 4.348 ug/L
 RT: 3.42 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

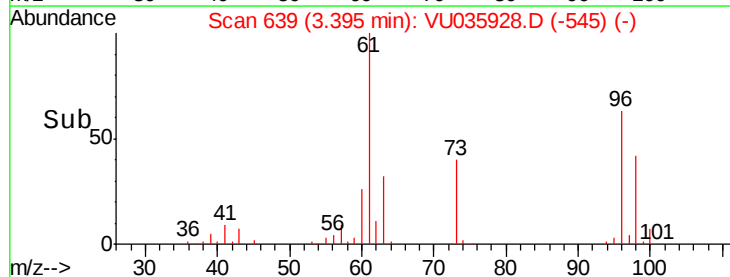
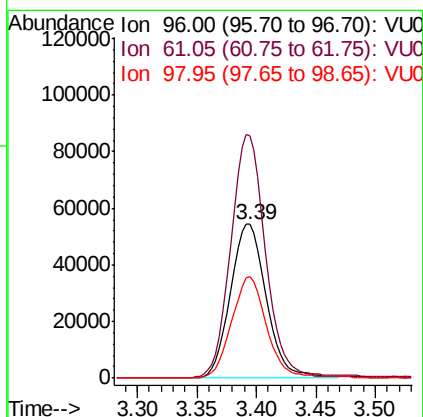
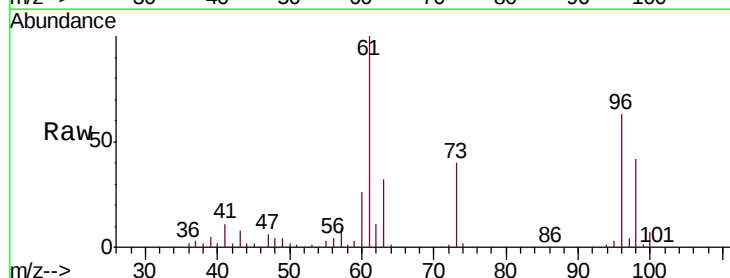
Tgt Ion: 73 Resp: 270855
 Ion Ratio Lower Upper
 73 100
 43 21.2 17.4 26.2
 57 24.3 19.4 29.0

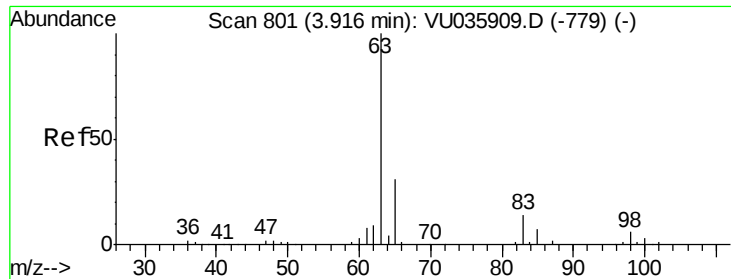


#18

trans-1,2-Dichloroethene
 Concen: 4.492 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion: 96 Resp: 113876
 Ion Ratio Lower Upper
 96 100
 61 157.7 111.1 206.3
 98 66.3 43.1 80.1

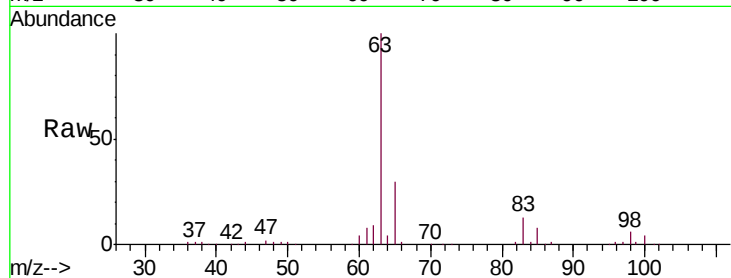




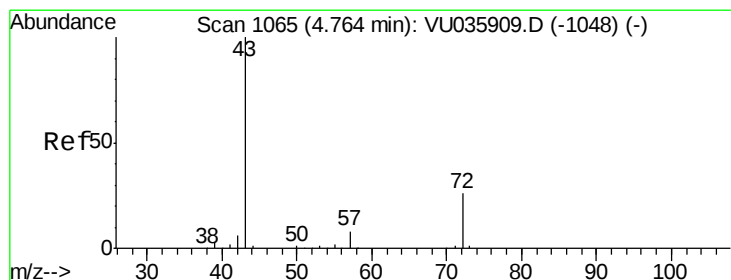
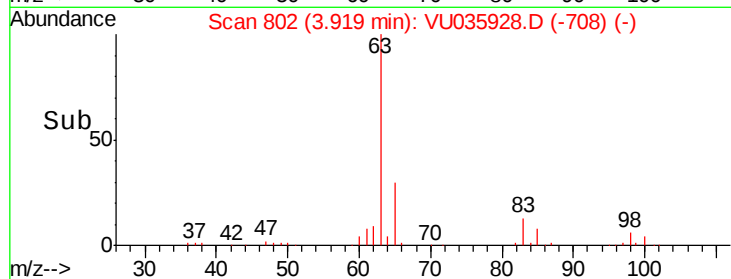
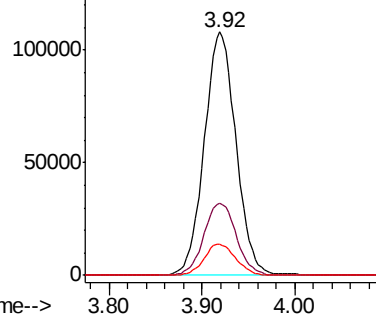
#19
 1,1-Dichloroethane
 Concen: 4.488 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00516

Tgt Ion: 63 Resp: 255644
 Ion Ratio Lower Upper
 63 100
 65 29.6 21.8 40.4
 83 12.9 8.6 16.0

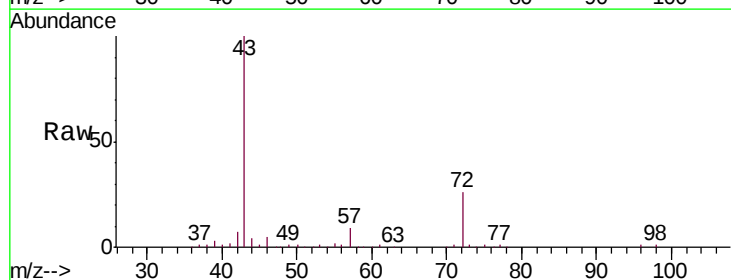


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

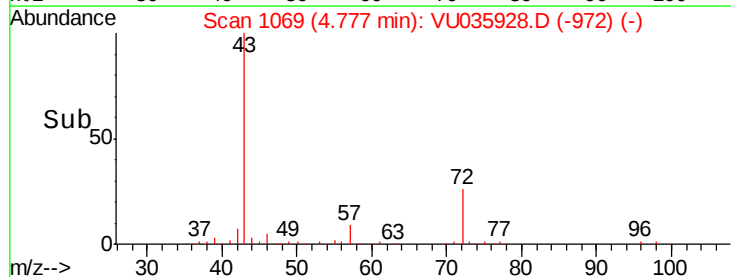
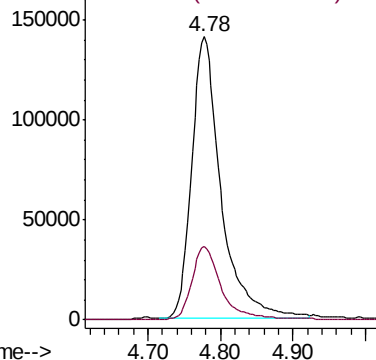


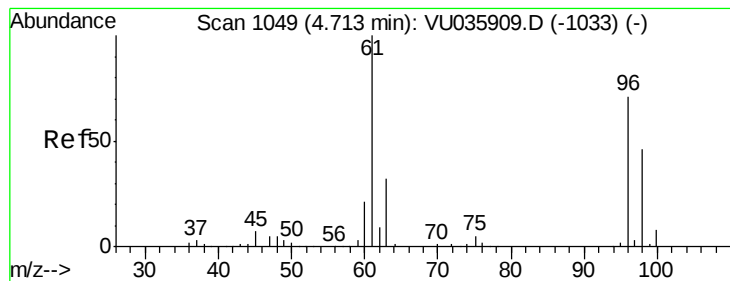
#21
 2-Butanone
 Concen: 47.508 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. 0.01 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion: 43 Resp: 394947
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.4 37.4



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





#22

cis-1,2-Dichloroethene

Concen: 4.619 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

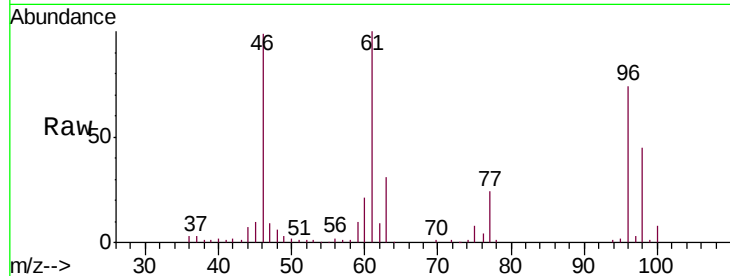
Tgt Ion: 96 Resp: 130490

Ion Ratio Lower Upper

96 100

61 135.0 98.1 182.1

68 0.0 0.0 0.0

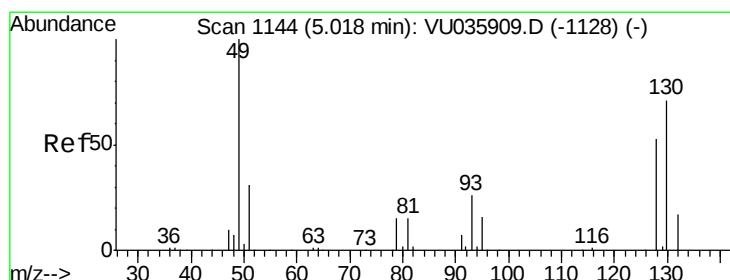
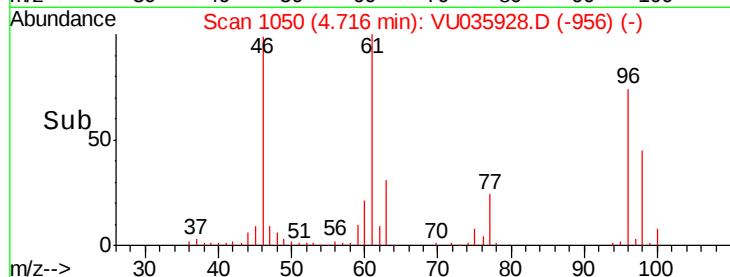
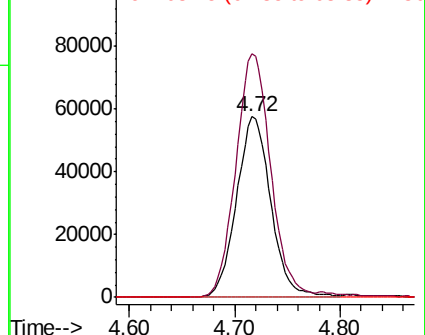


Abundance

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: 4.932 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Tgt Ion: 128 Resp: 60694

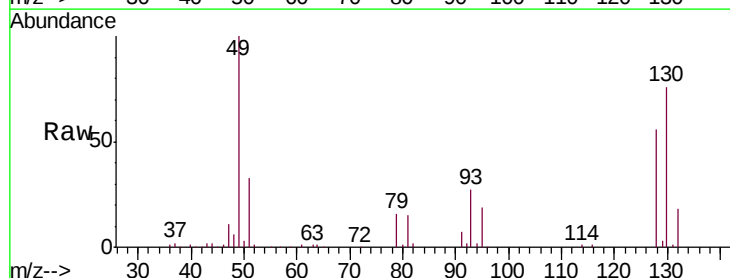
Ion Ratio Lower Upper

128 100

49 180.0 133.8 248.6

130 137.6 91.1 169.1

51 58.7 46.5 69.7



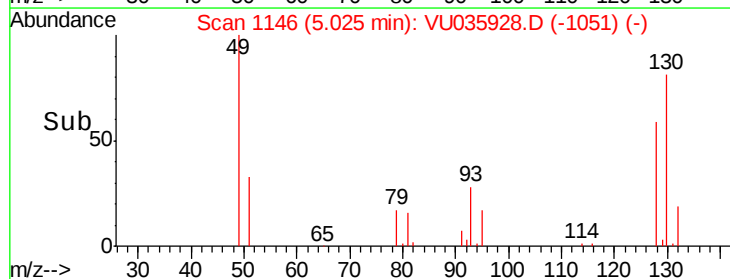
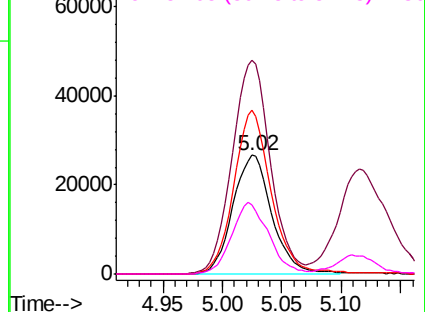
Abundance

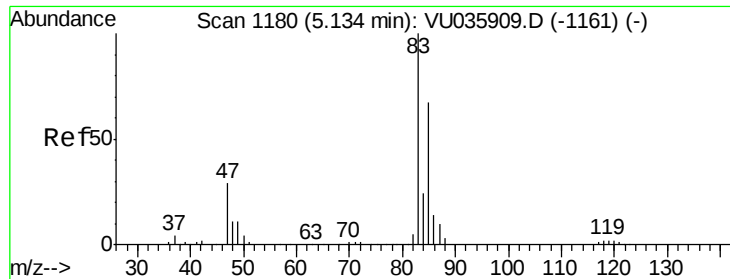
Ion 127.90 (127.60 to 128.60): V

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

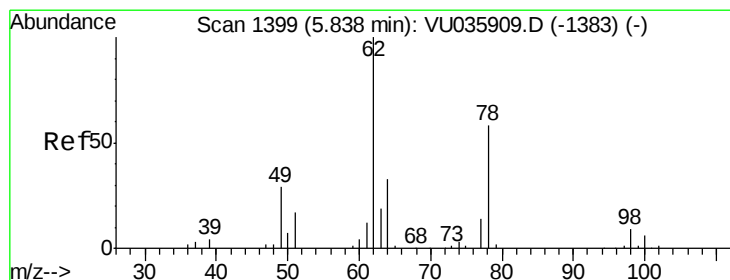
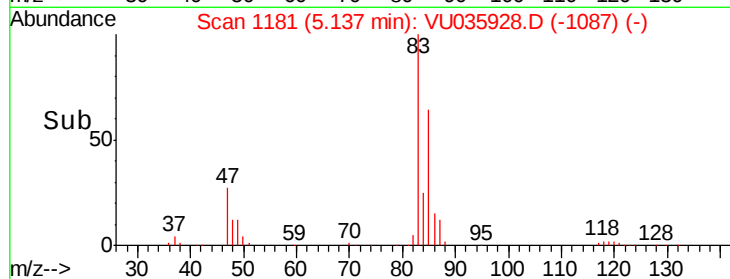
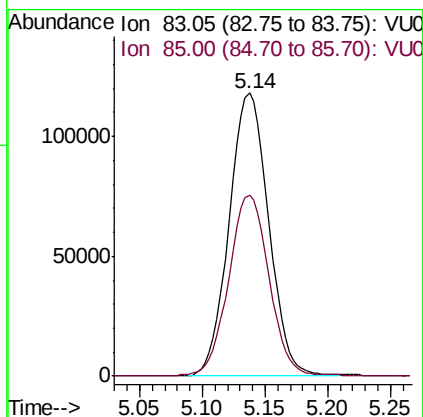
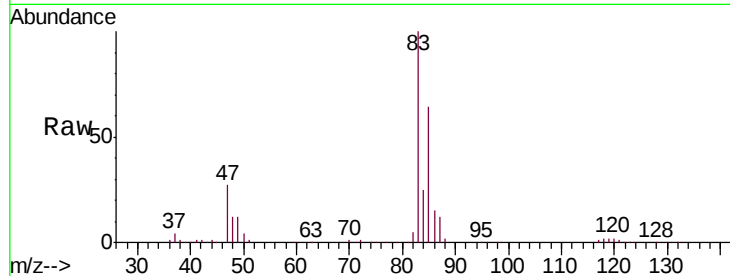




#25
Chloroform
Concen: 4.671 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035928.D
Acq: 29 Nov 2019 17:23

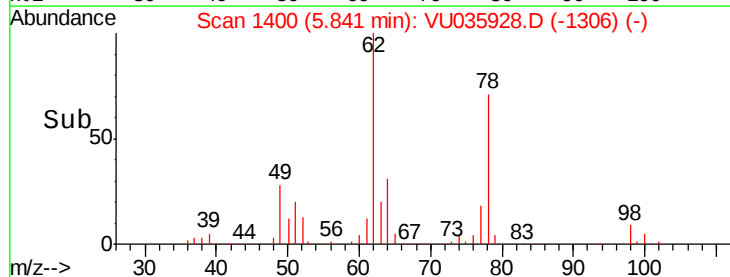
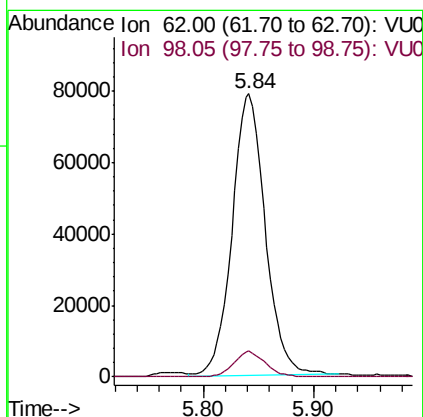
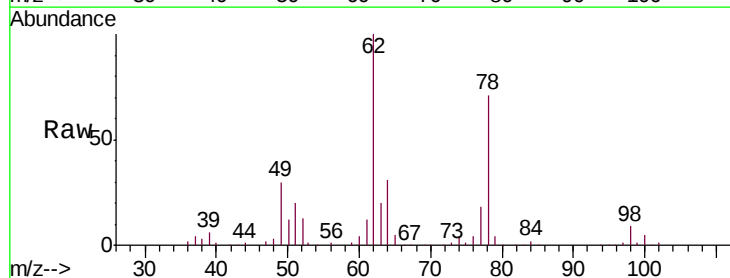
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

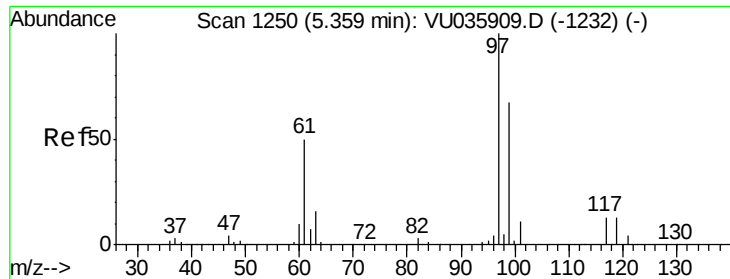
Tgt Ion: 83 Resp: 258874
Ion Ratio Lower Upper
83 100
85 64.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.512 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035928.D
Acq: 29 Nov 2019 17:23

Tgt Ion: 62 Resp: 164482
Ion Ratio Lower Upper
62 100
98 9.0 6.2 9.4

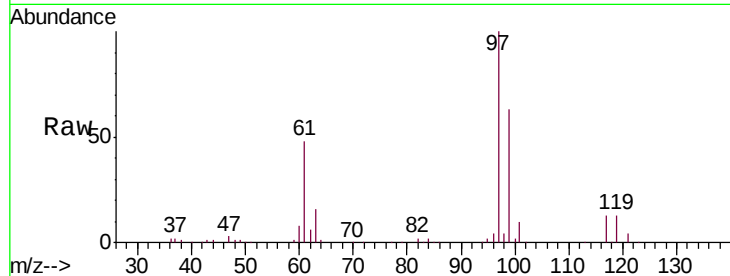




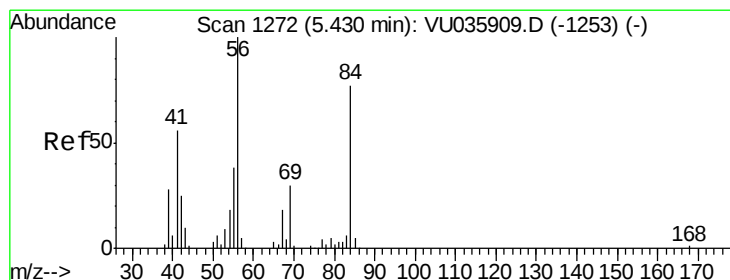
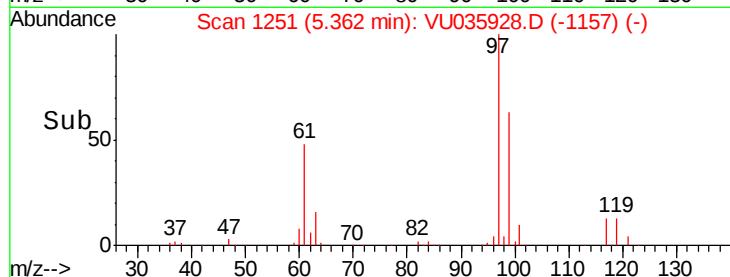
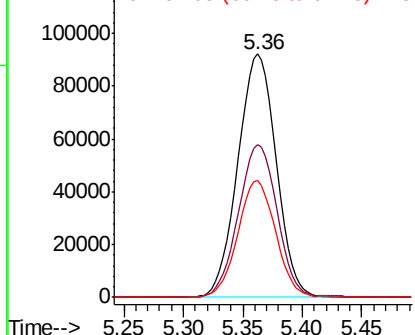
#29
 1,1,1-Trichloroethane
 Concen: 4.628 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 97 Resp: 206537
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.9 77.9
 61 47.1 40.3 60.5

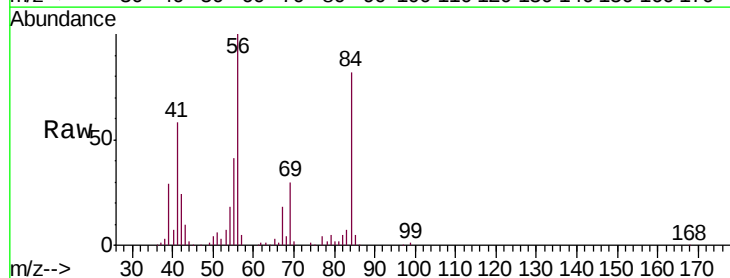


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

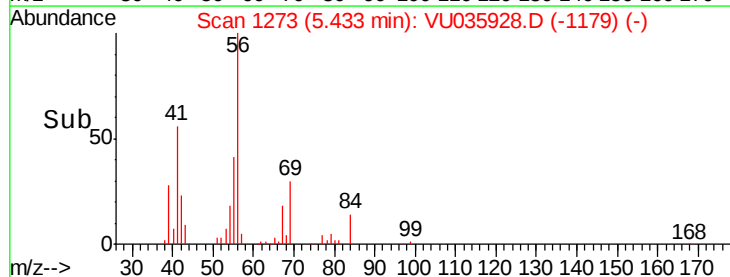
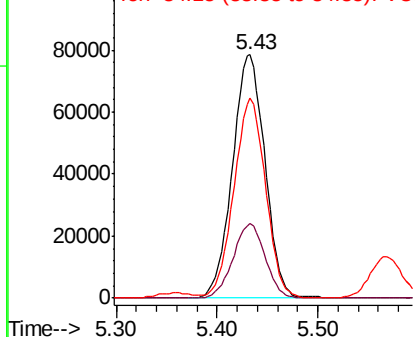


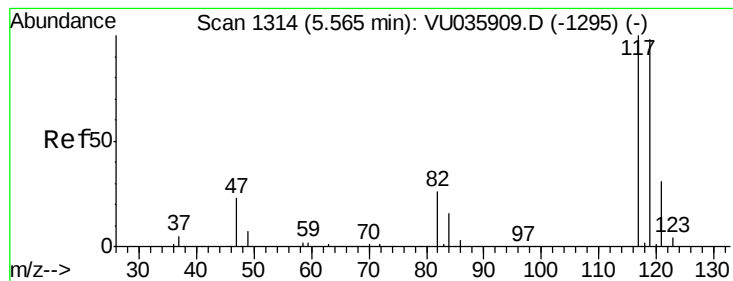
#30
 Cyclohexane
 Concen: 4.019 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion: 56 Resp: 175270
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.0 36.0
 84 79.5 62.1 93.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.584 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

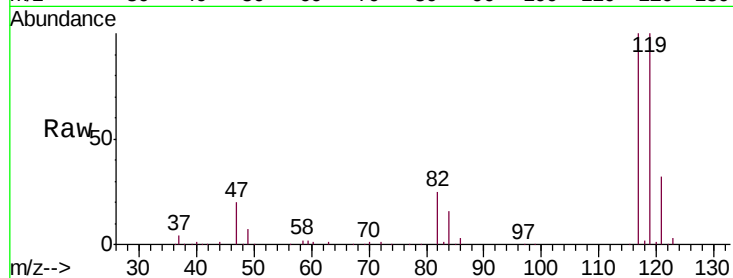
VSTD00516

Tgt Ion:117 Resp: 177148

Ion Ratio Lower Upper

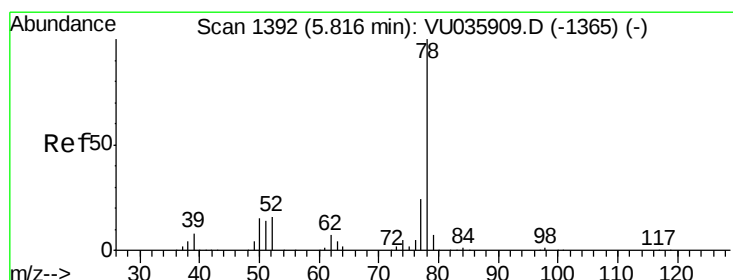
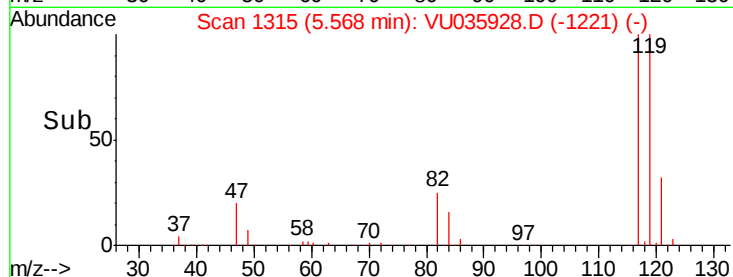
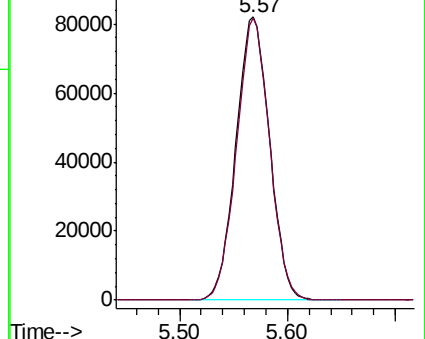
117 100

119 97.9 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.723 ug/L

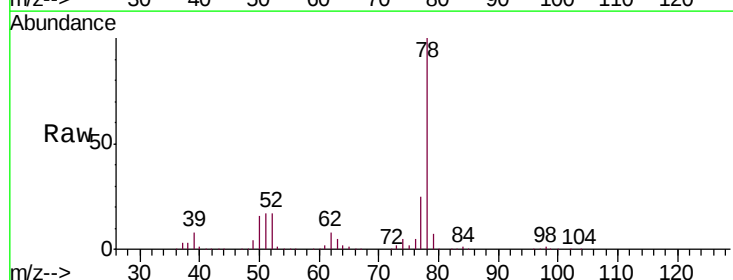
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

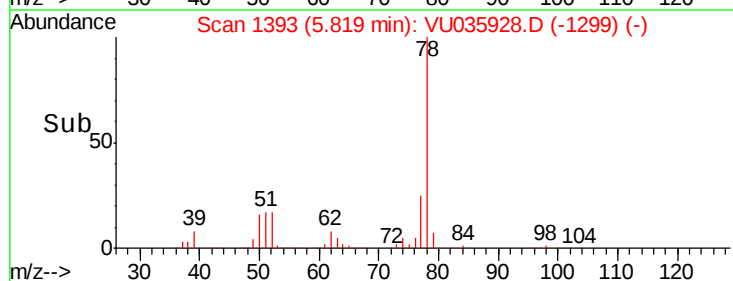
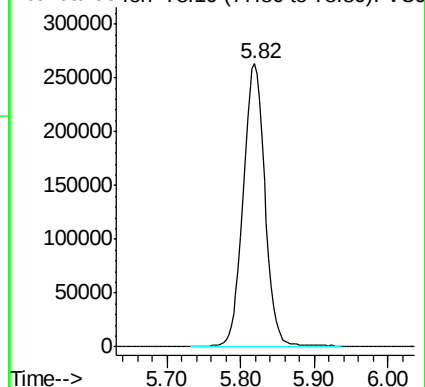
Lab File: VU035928.D

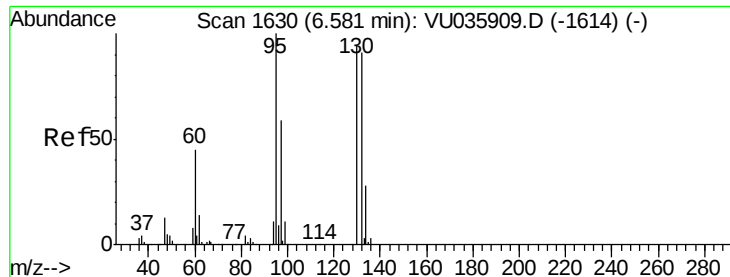
Acq: 29 Nov 2019 17:23

Tgt Ion: 78 Resp: 544784



Abundance Ion 78.10 (77.80 to 78.80): VU0

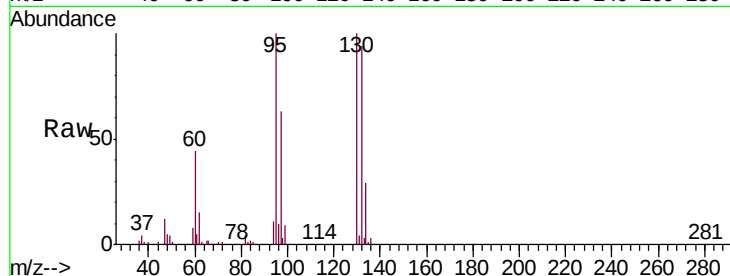




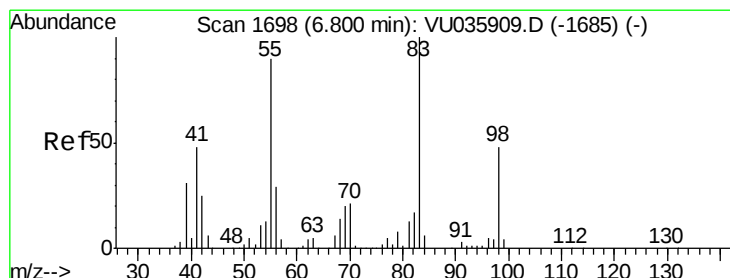
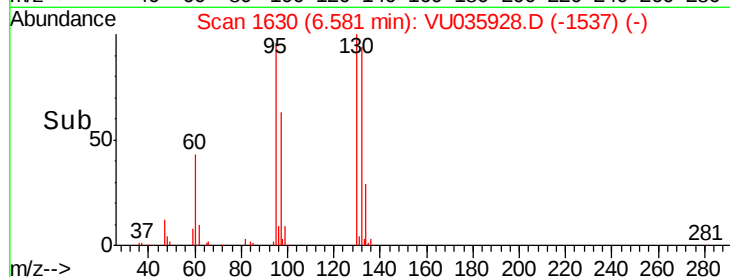
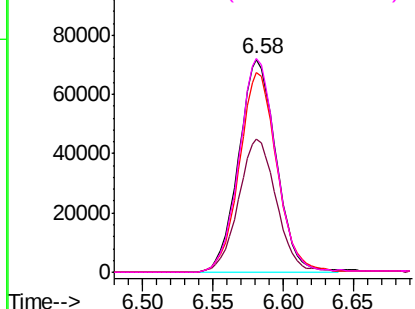
#34
 Trichloroethene
 Concen: 4.730 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 95 Resp: 133781
 Ion Ratio Lower Upper
 95 100
 97 62.8 45.1 83.9
 132 94.0 61.9 114.9
 130 100.3 66.3 123.1

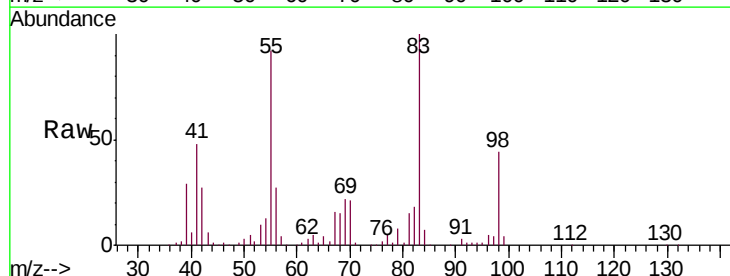


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

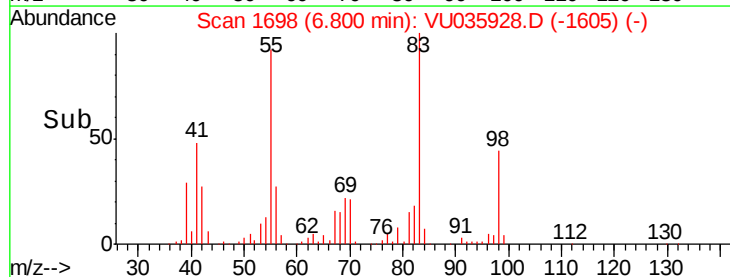
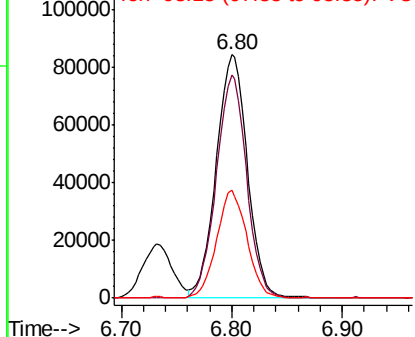


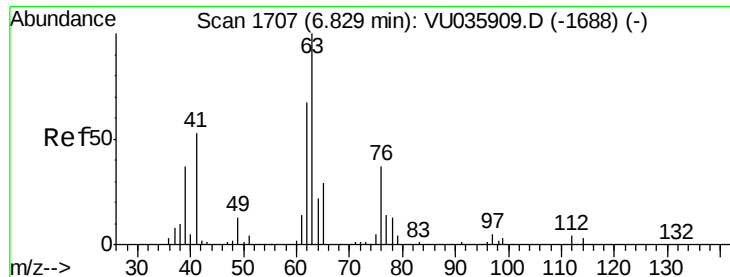
#35
 Methylcyclohexane
 Concen: 3.993 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion: 83 Resp: 165740
 Ion Ratio Lower Upper
 83 100
 55 88.9 72.7 109.1
 98 43.1 36.2 54.4



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





#37

1,2-Dichloropropane

Concen: 4.563 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

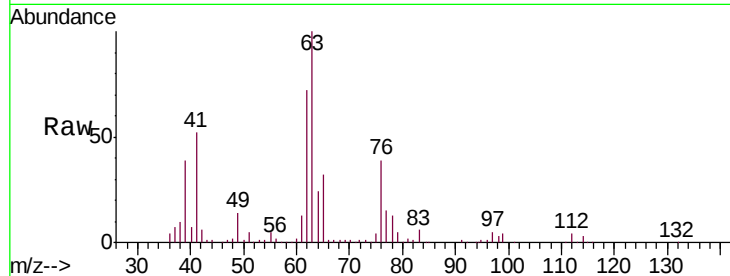
VSTD00516

Tgt Ion: 63 Resp: 149274

Ion Ratio Lower Upper

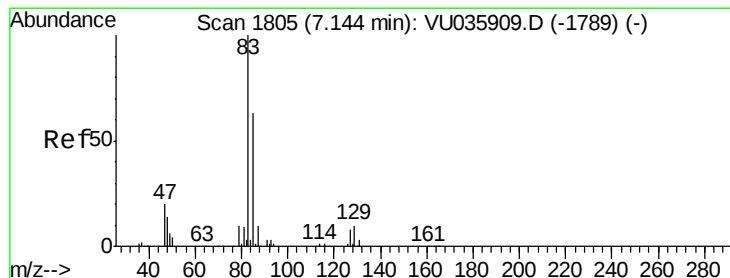
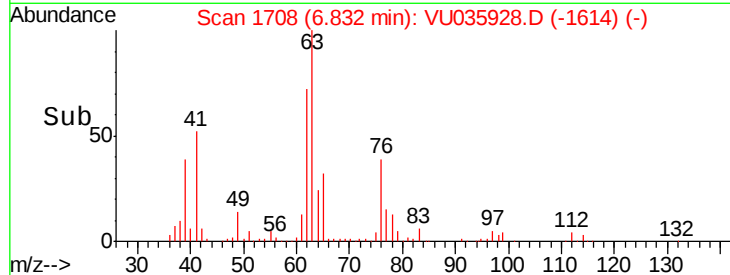
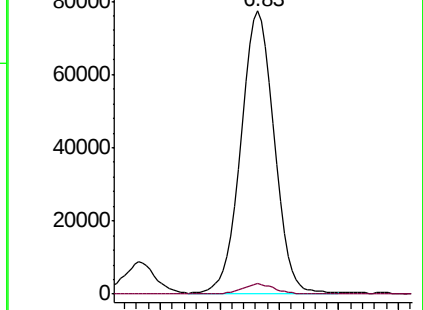
63 100

112 3.6 2.7 4.1



Abundance Ion 63.10 (62.80 to 63.80): VU035909.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU035909.D (-1688) (-)



#38

Bromodichloromethane

Concen: 4.657 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

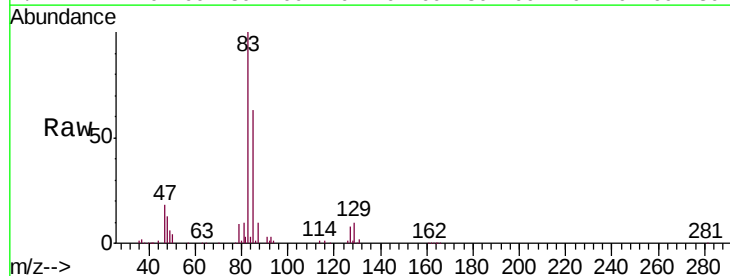
Tgt Ion: 83 Resp: 182611

Ion Ratio Lower Upper

83 100

85 62.9 45.6 84.8

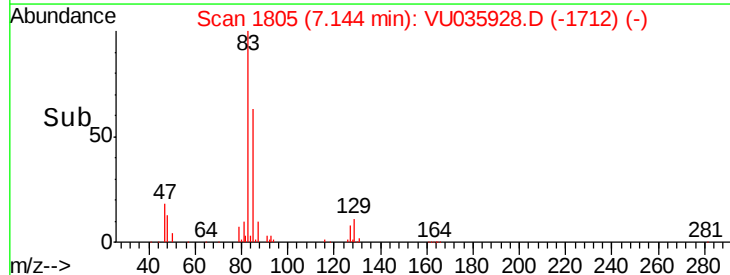
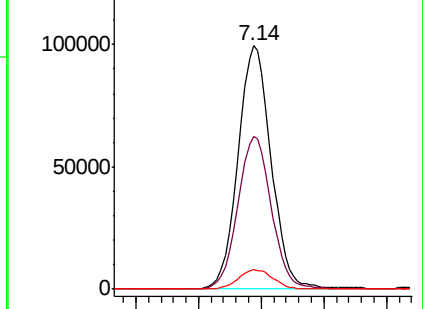
127 7.9 6.0 9.0

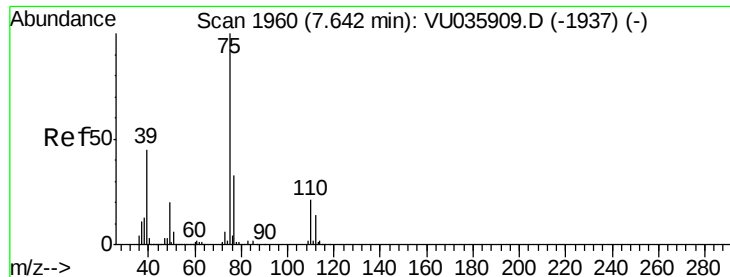


Abundance Ion 82.95 (82.65 to 83.65): VU035909.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU035909.D (-1789) (-)

Ion 126.90 (126.60 to 127.60): VU035909.D (-1789) (-)



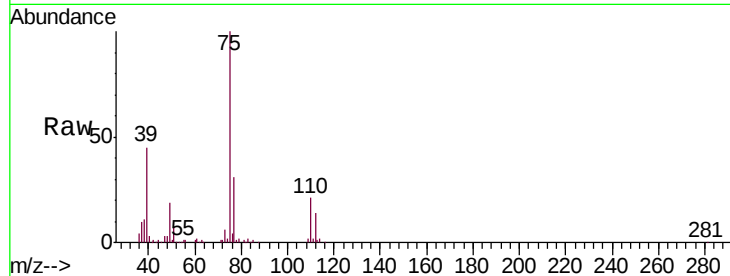


#39

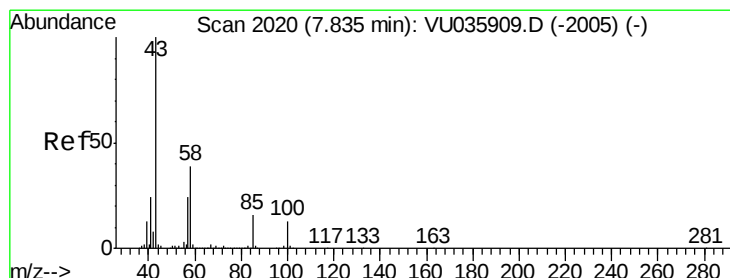
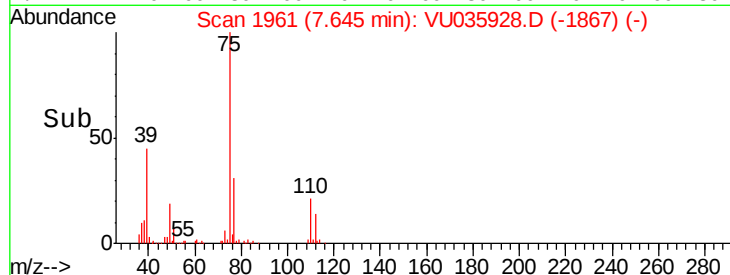
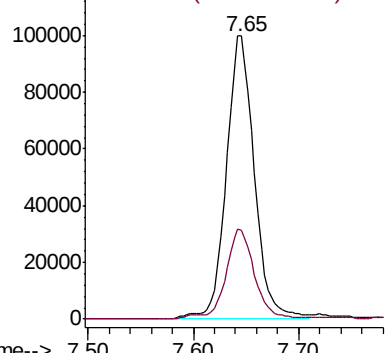
cis-1,3-Dichloropropene
 Concen: 4.392 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 75 Resp: 185986
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.1 41.1



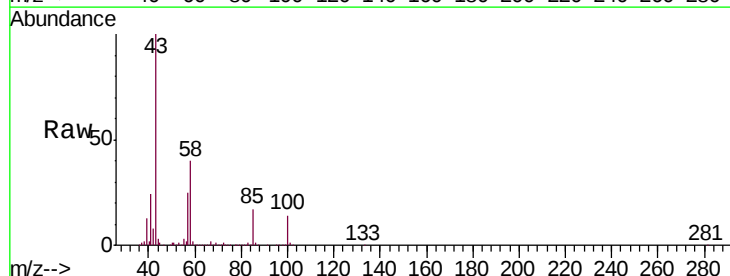
Abundance Ion 75.05 (74.75 to 75.75): VU035909.D (-1937) (-)
 Ion 77.05 (76.75 to 77.75): VU035909.D (-1937) (-)



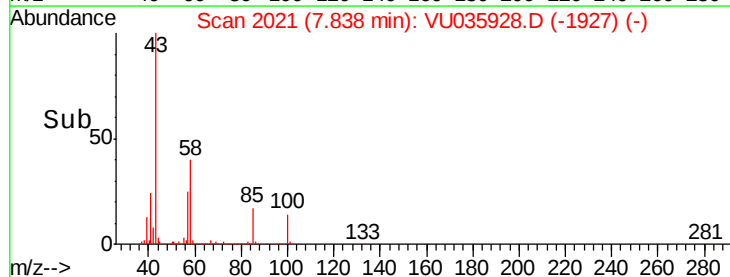
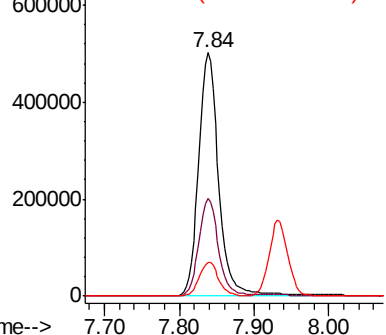
#40

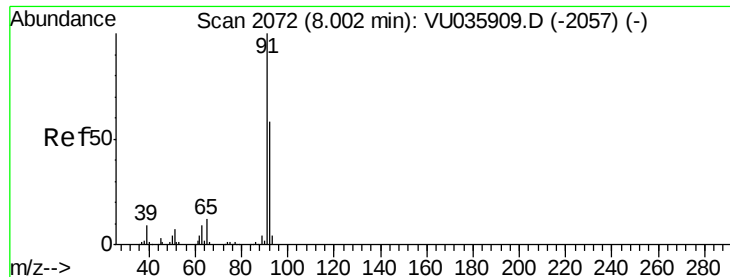
4-Methyl-2-pentanone
 Concen: 46.235 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion: 43 Resp: 928645
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.8 46.2
 100 13.6 10.0 15.0



Abundance Ion 43.05 (42.75 to 43.75): VU035909.D (-2005) (-)
 Ion 58.05 (57.75 to 58.75): VU035909.D (-2005) (-)
 Ion 100.15 (99.85 to 100.85): VU035909.D (-2005) (-)





#42

Toluene

Concen: 4.739 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

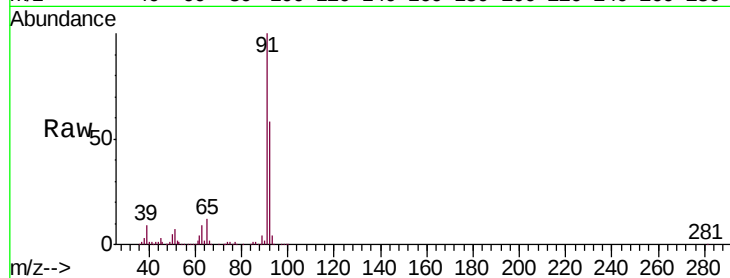
VSTD00516

Tgt Ion: 91 Resp: 568669

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035909.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035909.D (-2057) (-)

8.00

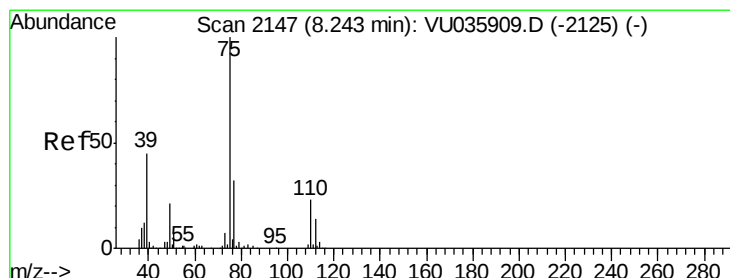
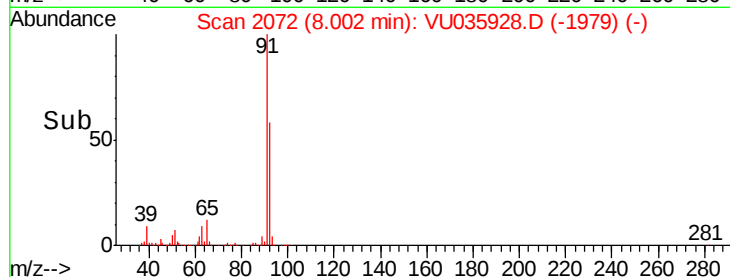
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.591 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035928.D

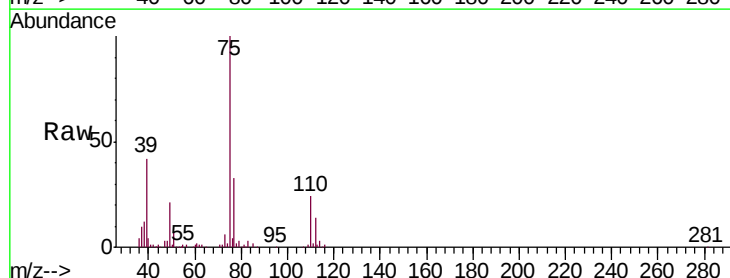
Acq: 29 Nov 2019 17:23

Tgt Ion: 75 Resp: 161216

Ion Ratio Lower Upper

75 100

77 32.8 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035909.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU035909.D (-2125) (-)

8.25

100000

80000

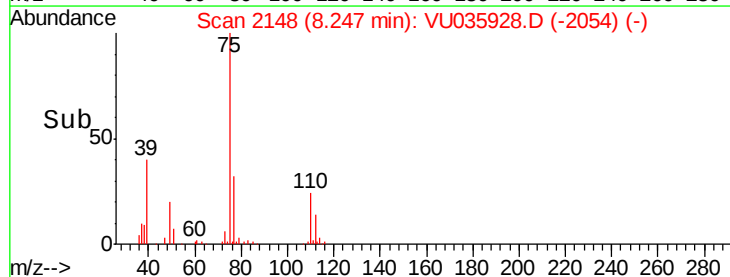
60000

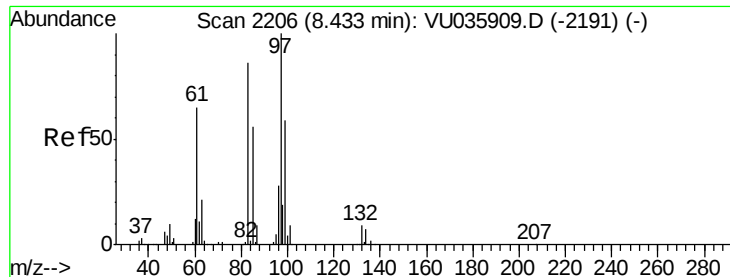
40000

20000

0

Time-->

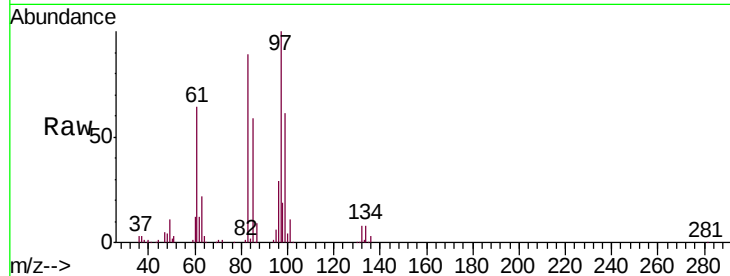




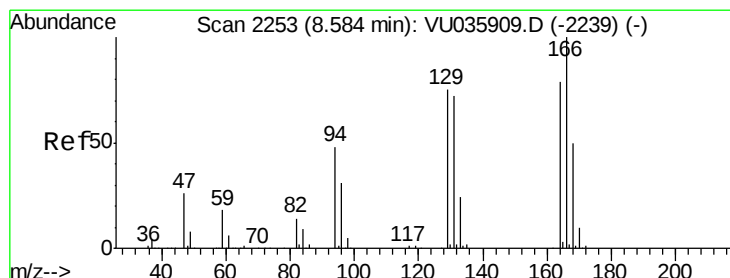
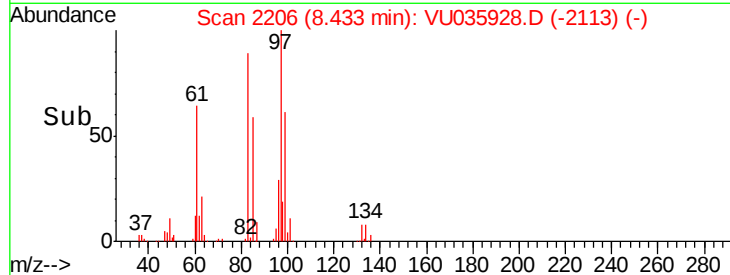
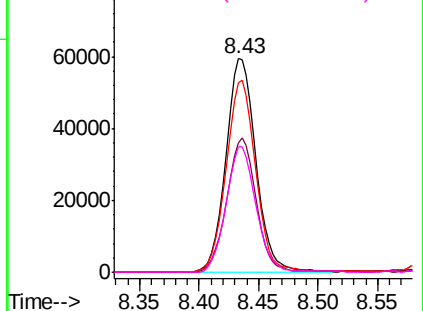
#45
 1,1,2-Trichloroethane
 Concen: 4.896 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion:	97	Resp:	104374
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.2	82.0
83	88.8	62.2	115.6
85	58.5	41.5	77.1

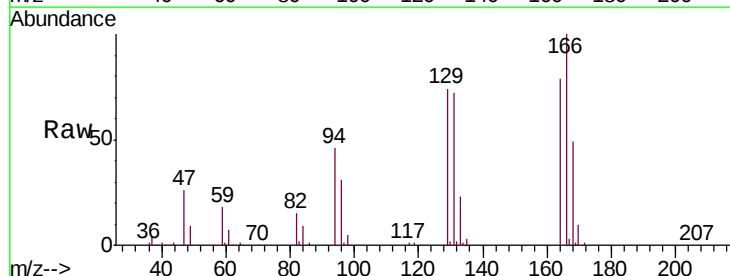


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

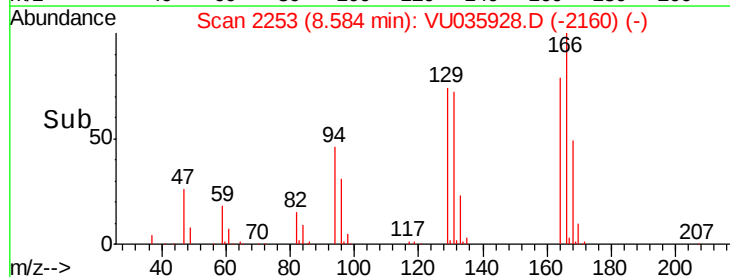
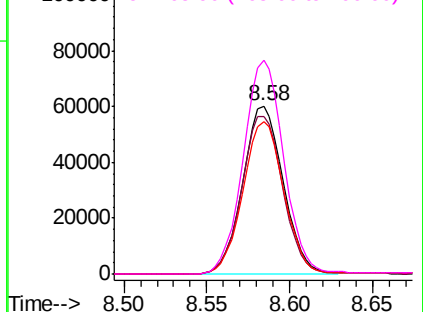


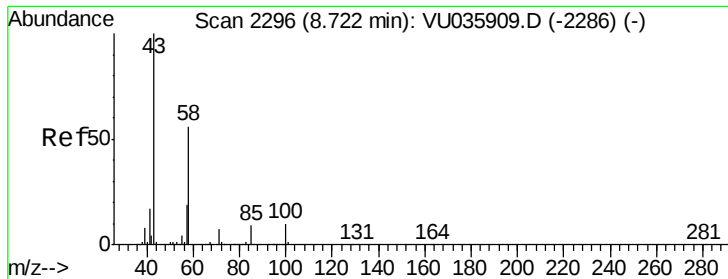
#47
 Tetrachloroethene
 Concen: 4.748 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion:	164	Resp:	102175
Ion	Ratio	Lower	Upper
164	100		
129	93.8	68.8	127.8
131	90.9	67.3	124.9
166	127.0	91.6	170.2



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

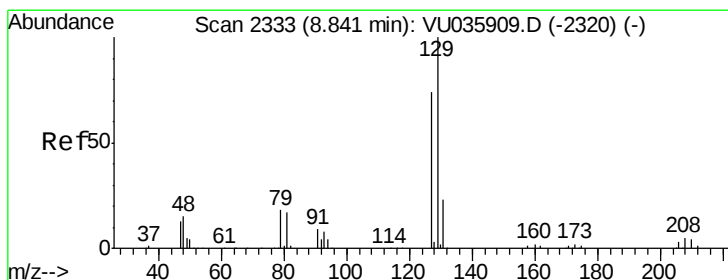
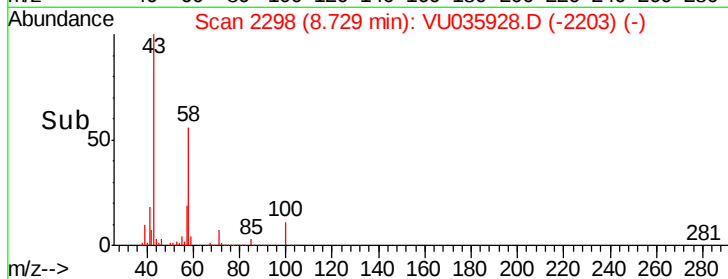
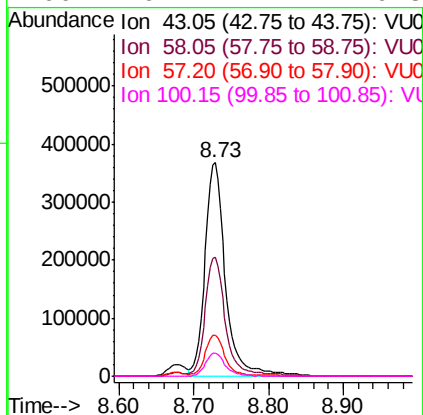
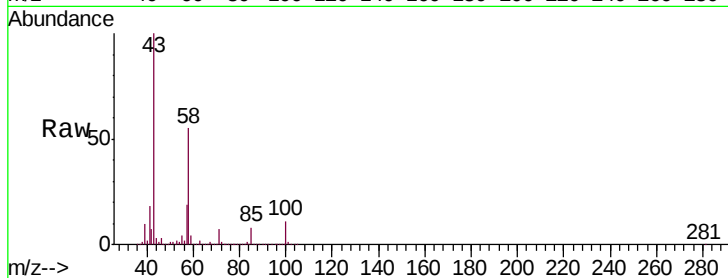




#48
2-Hexanone
Concen: 47.362 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.01 min
Lab File: VU035928.D
Acq: 29 Nov 2019 17:23

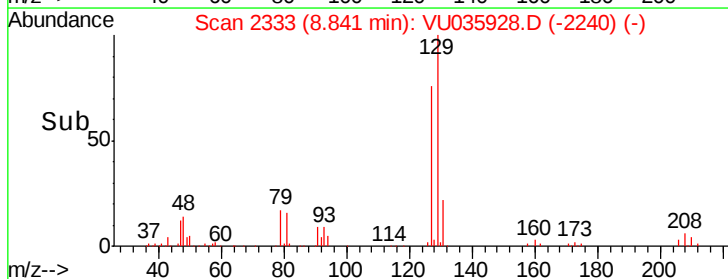
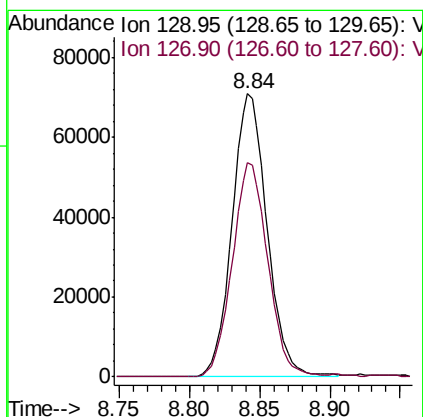
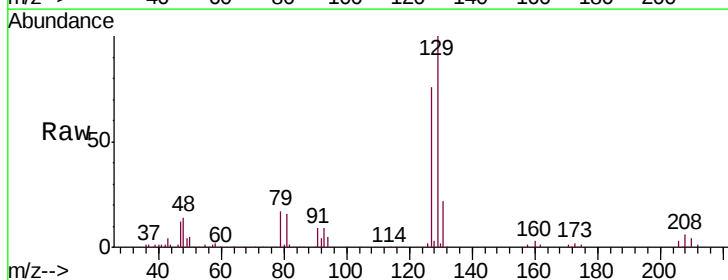
Instrument :
MSVOA_U
ClientSampled :
VSTD00516

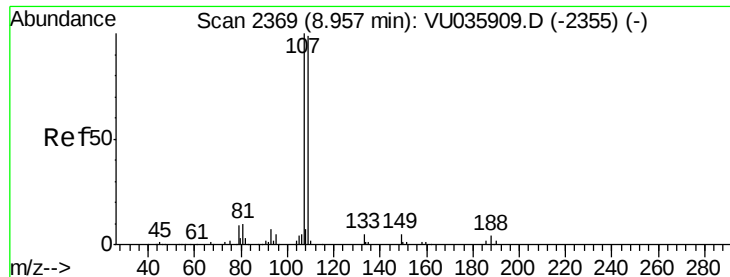
Tgt Ion:	43	Resp:	700359
Ion	Ratio	Lower	Upper
43	100		
58	56.1	39.8	59.8
57	18.8	14.0	21.0
100	10.7	7.2	10.8



#49
Dibromochloromethane
Concen: 4.900 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035928.D
Acq: 29 Nov 2019 17:23

Tgt Ion:	129	Resp:	123221
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.1	98.5

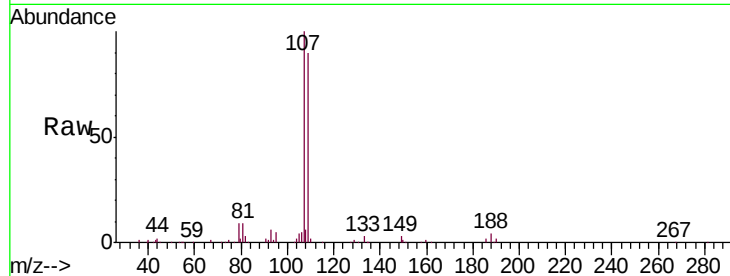




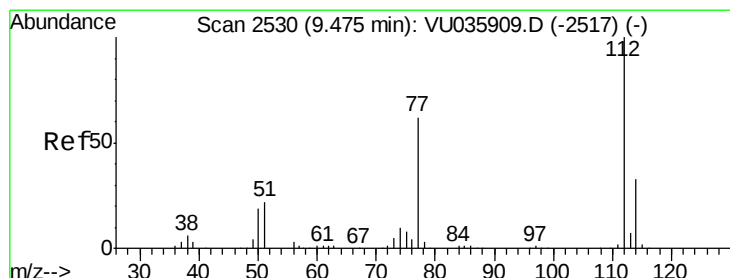
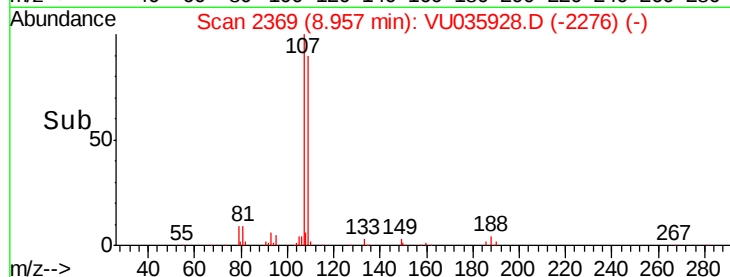
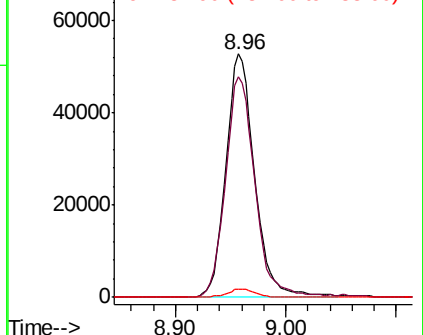
#50
 1,2-Dibromoethane
 Concen: 4.890 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion:107 Resp: 95383
 Ion Ratio Lower Upper
 107 100
 109 90.3 62.6 116.3
 188 3.5 2.8 4.2

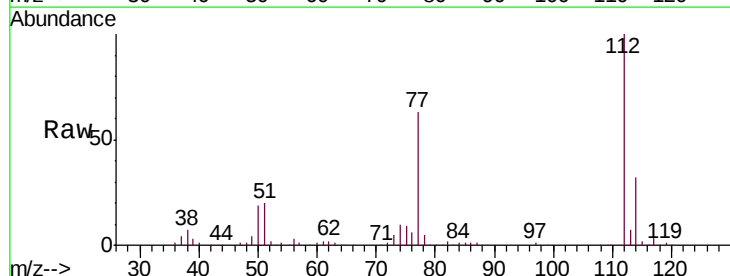


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

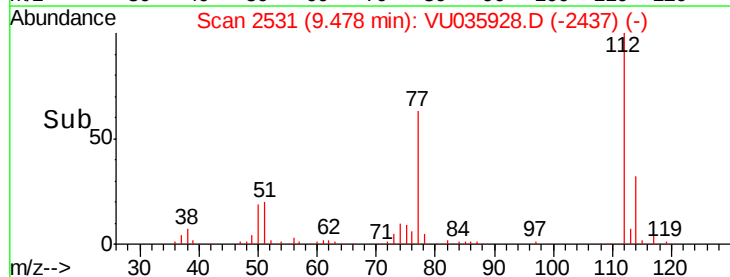
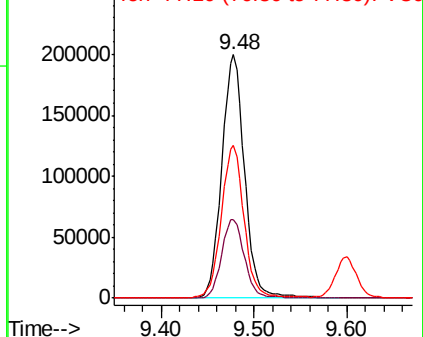


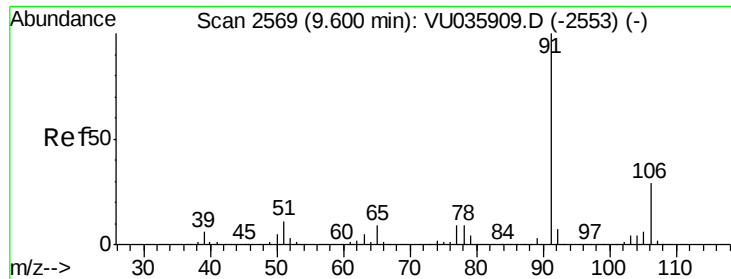
#51
 Chlorobenzene
 Concen: 4.574 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion:112 Resp: 339967
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.2 41.2
 77 62.7 50.1 75.1



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: 4.420 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

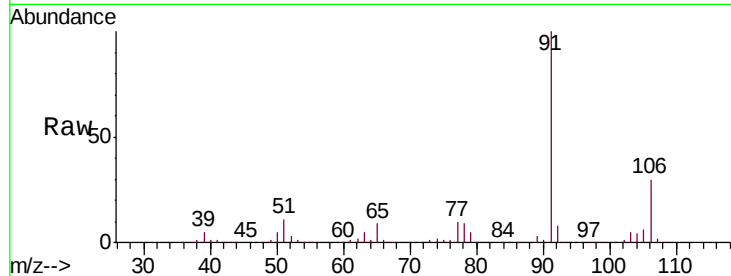
VSTD00516

Tgt Ion: 91 Resp: 548423

Ion Ratio Lower Upper

91 100

106 29.9 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035909.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU035909.D (-2553) (-)

9.60

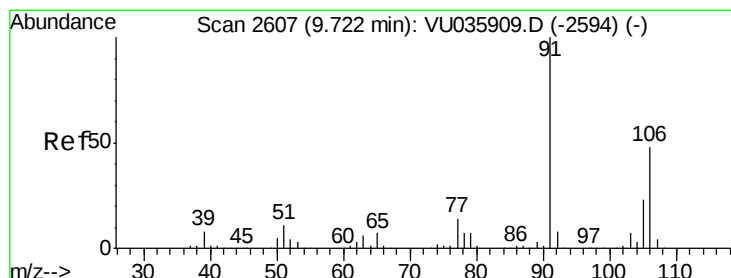
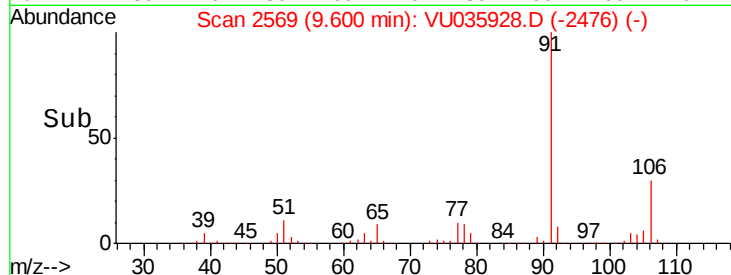
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 4.604 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035928.D

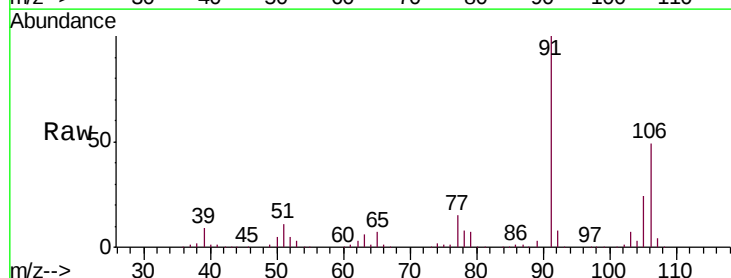
Acq: 29 Nov 2019 17:23

Tgt Ion: 106 Resp: 201410

Ion Ratio Lower Upper

106 100

91 202.9 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035909.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU035909.D (-2594) (-)

9.72

250000

200000

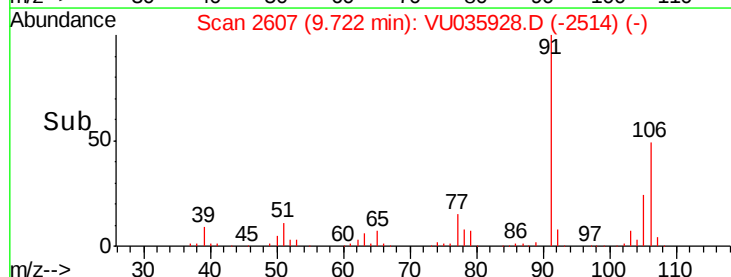
150000

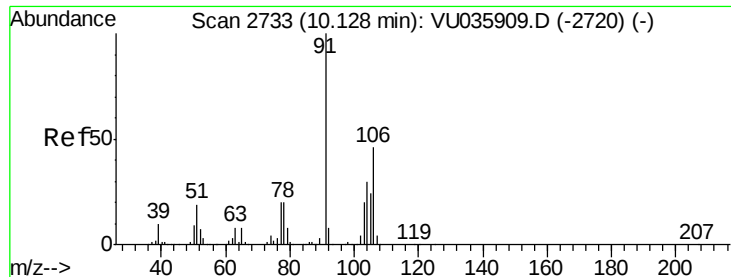
100000

50000

0

Time-->

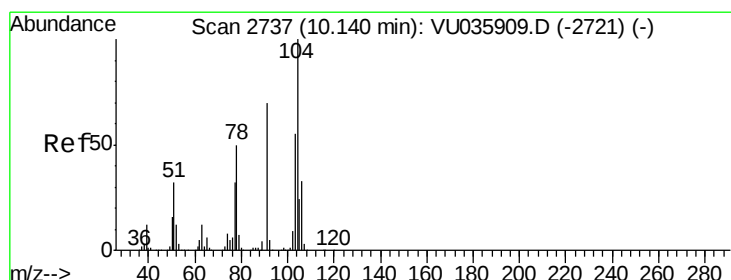
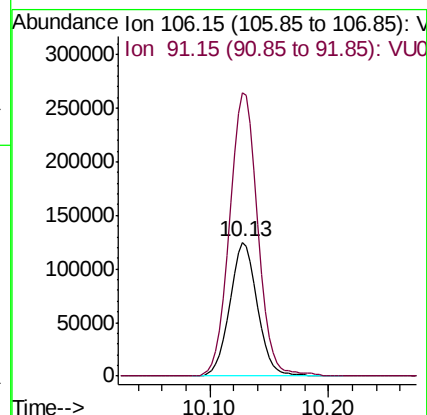
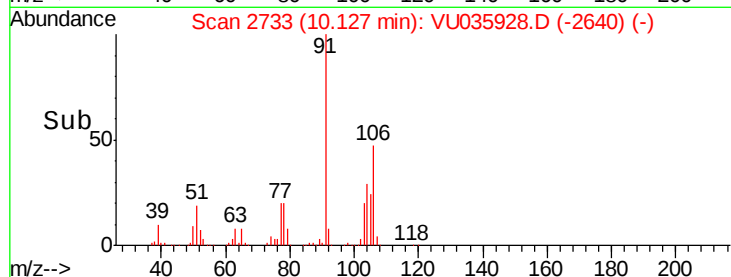
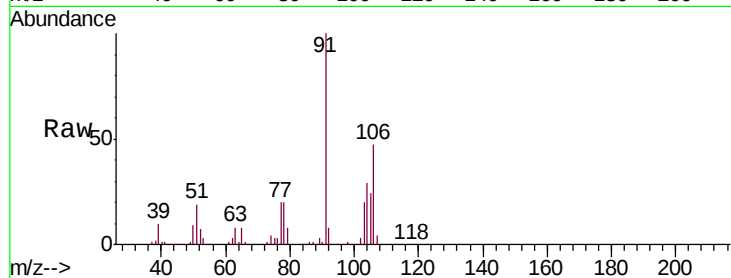




#54
o-Xylene
Concen: 4.738 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035928.D
Acq: 29 Nov 2019 17:23

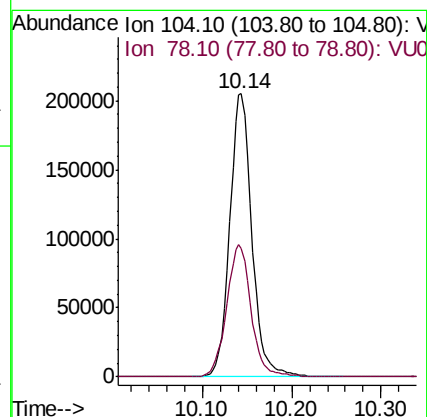
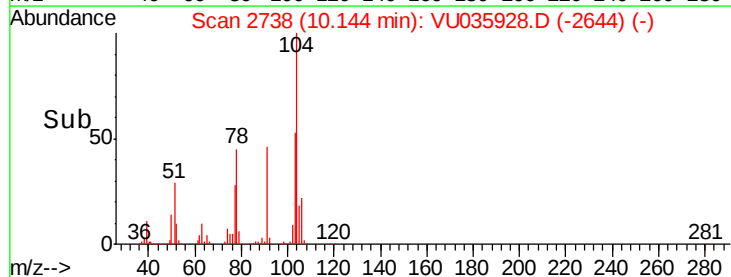
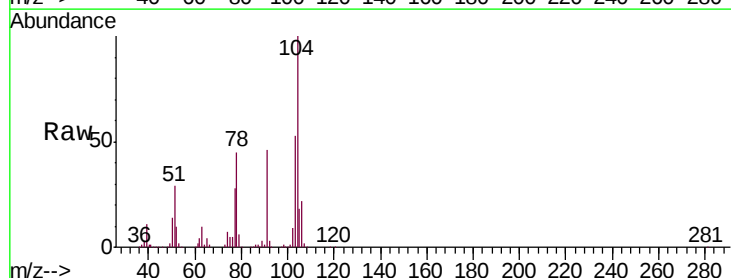
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

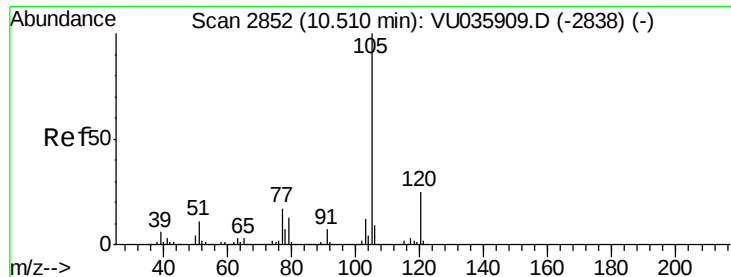
Tgt Ion:106 Resp: 201288
Ion Ratio Lower Upper
106 100
91 211.1 153.6 285.2



#55
Styrene
Concen: 5.004 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035928.D
Acq: 29 Nov 2019 17:23

Tgt Ion:104 Resp: 352575
Ion Ratio Lower Upper
104 100
78 45.4 33.9 62.9





#56

Isopropylbenzene

Concen: 4.652 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

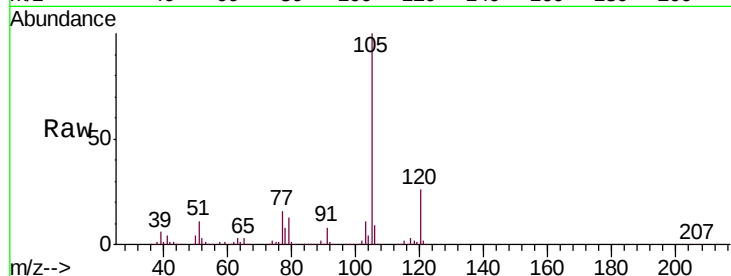
Tgt Ion: 105 Resp: 522082

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.2

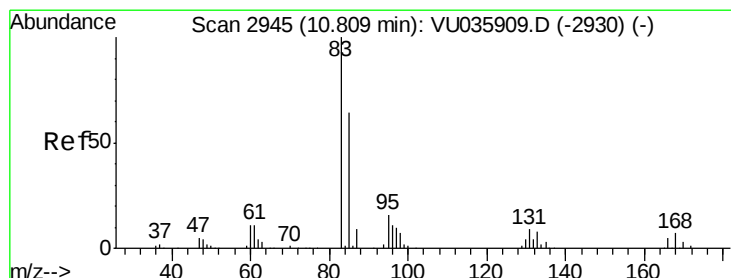
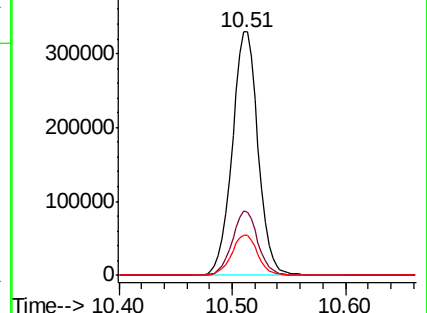
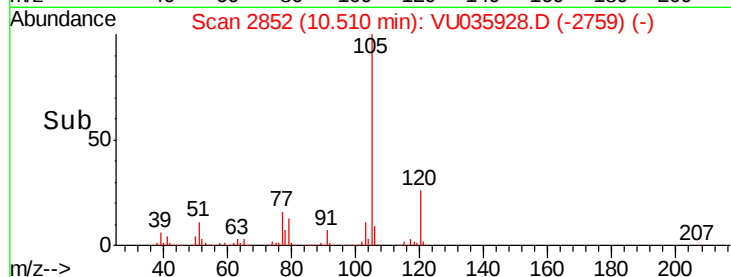
77 16.8 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.522 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

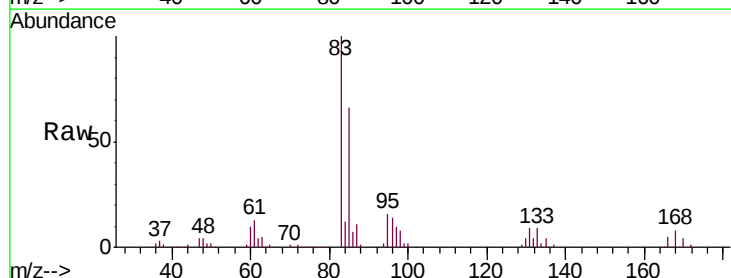
Tgt Ion: 83 Resp: 133384

Ion Ratio Lower Upper

83 100

85 66.3 44.6 82.8

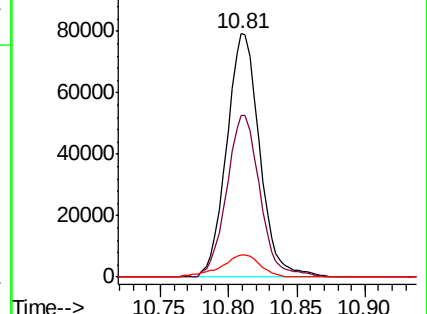
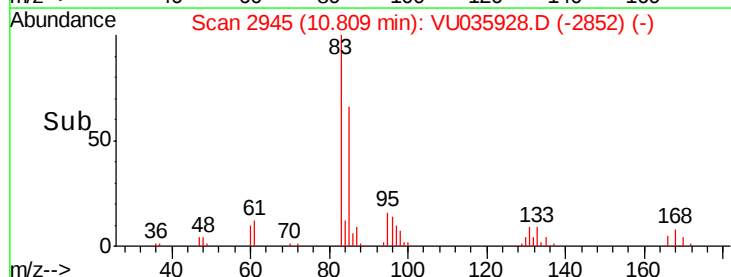
131 9.4 6.9 10.3

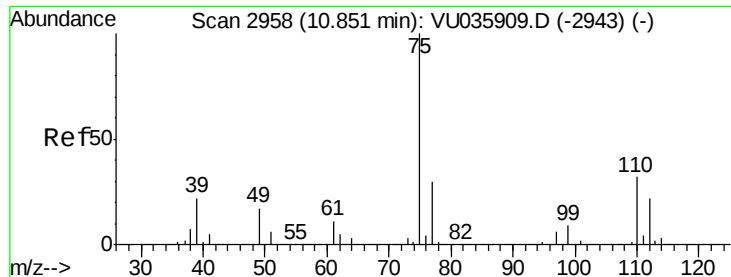


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.695 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

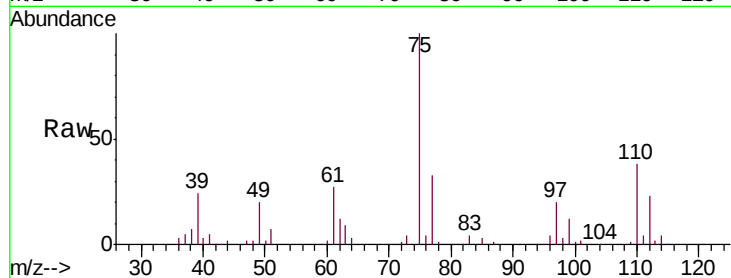
VSTD00516

Tgt Ion: 75 Resp: 99863

Ion Ratio Lower Upper

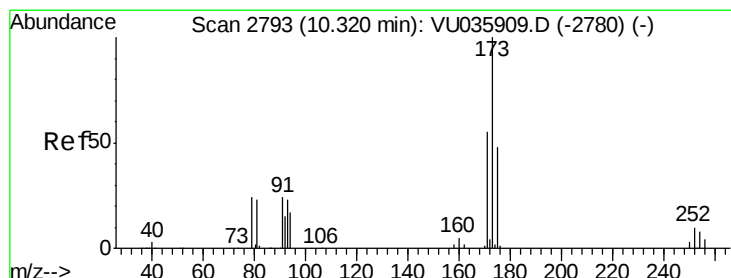
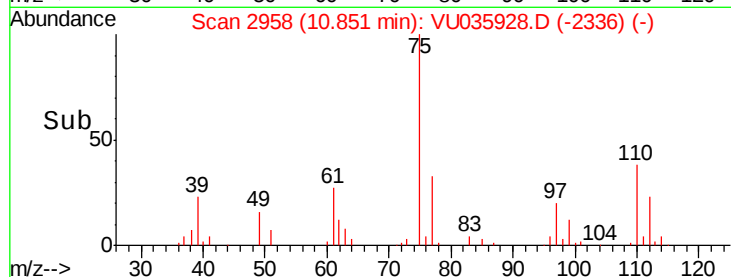
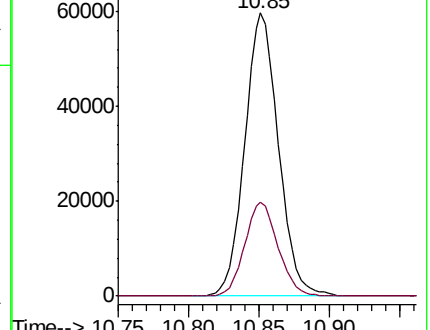
75 100

77 32.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU035909.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU035909.D (-2943) (-)



#61

Bromoform

Concen: 4.372 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

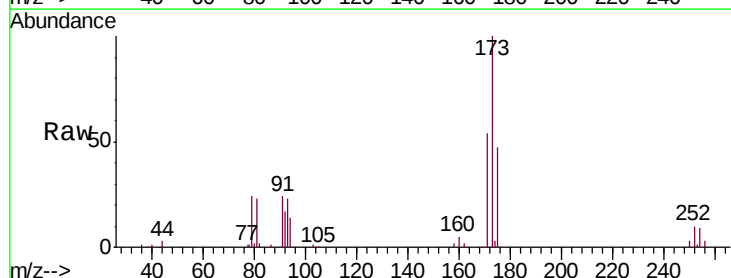
Tgt Ion: 173 Resp: 69831

Ion Ratio Lower Upper

173 100

175 46.8 40.1 60.1

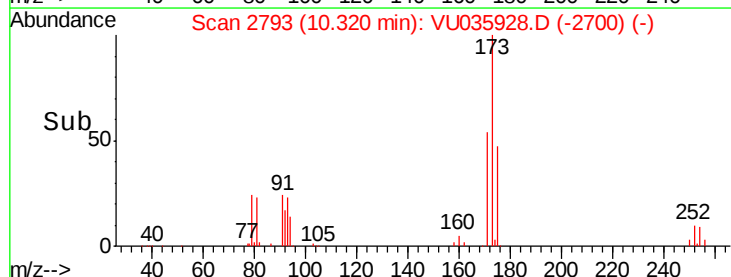
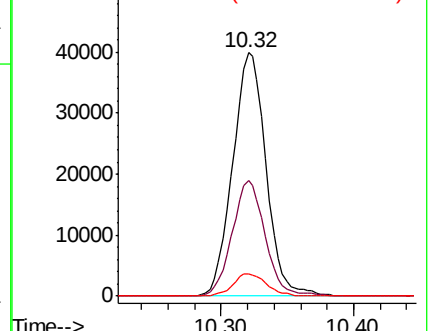
254 9.2 7.1 10.7

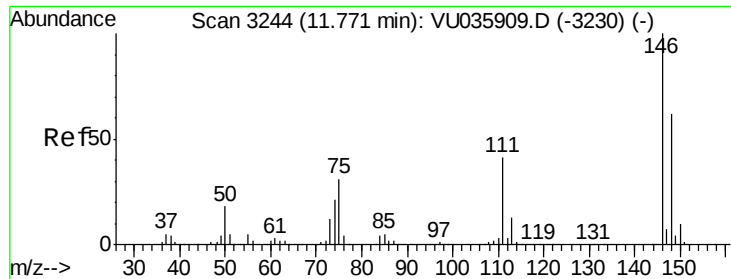


Abundance Ion 172.90 (172.60 to 173.60): VU035909.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035909.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035909.D (-2780) (-)

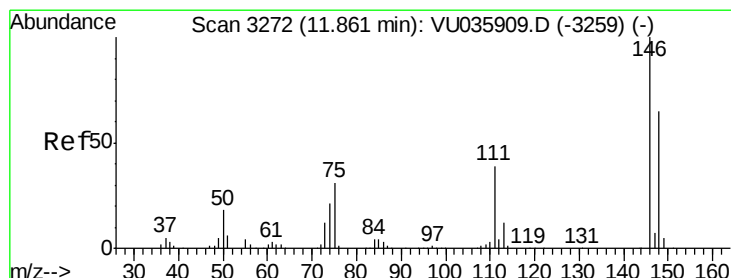
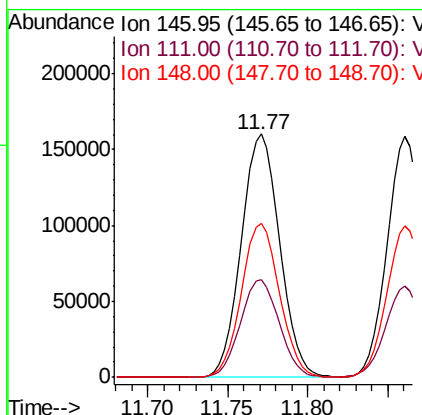
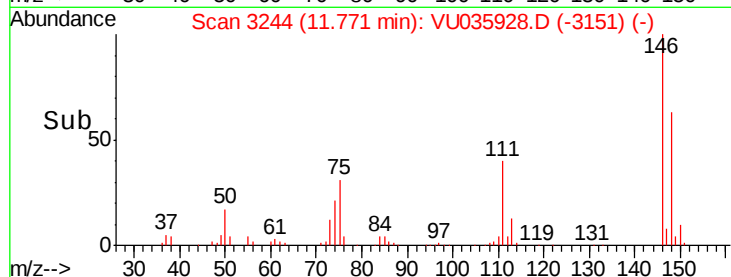
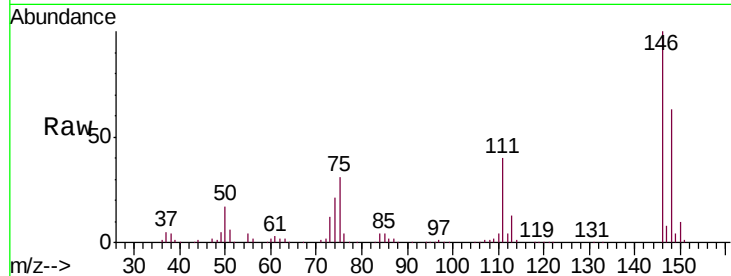




#62
 1,3-Dichlorobenzene
 Concen: 4.598 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

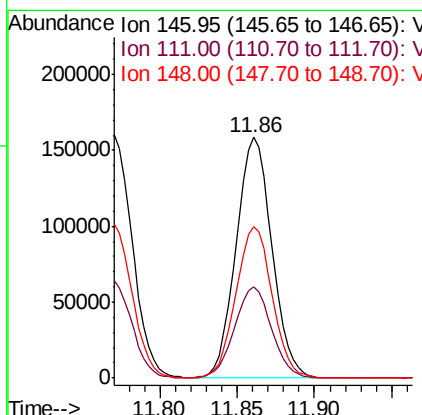
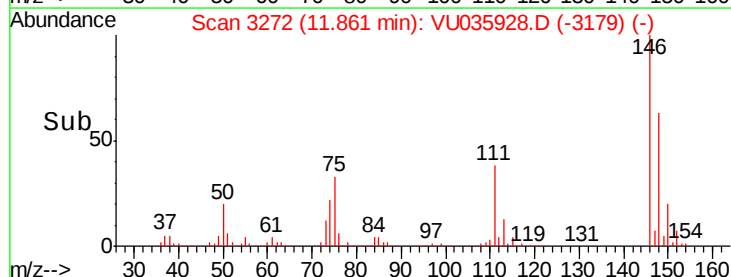
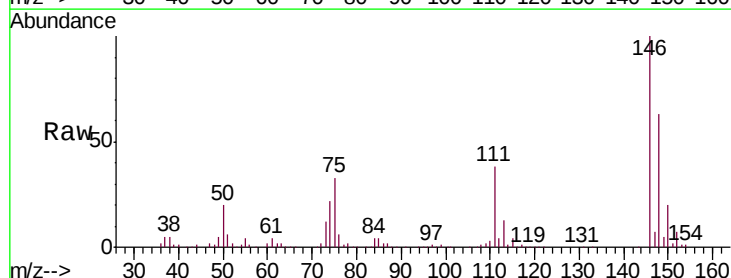
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

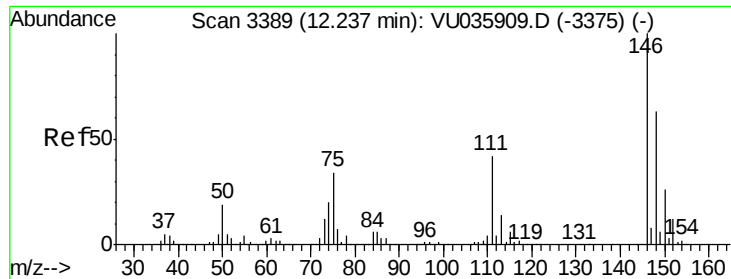
Tgt Ion:146 Resp: 262365
 Ion Ratio Lower Upper
 146 100
 111 40.2 29.5 54.7
 148 63.3 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.544 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion:146 Resp: 255256
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.9 51.7
 148 63.0 44.2 82.2

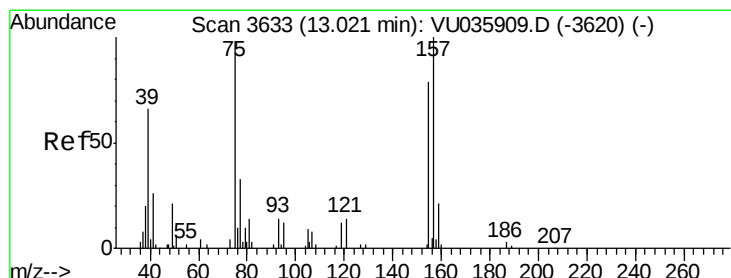
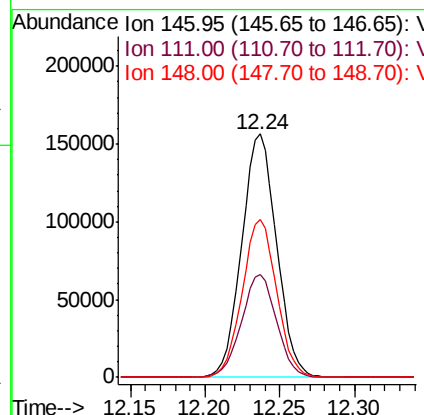
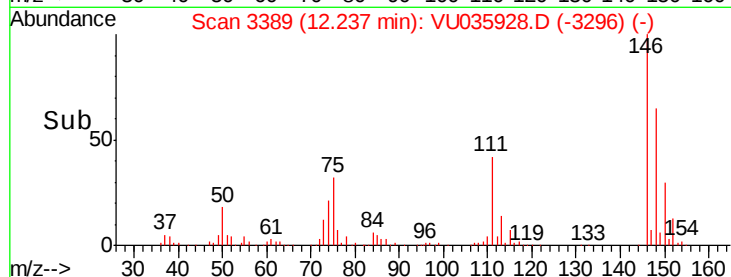
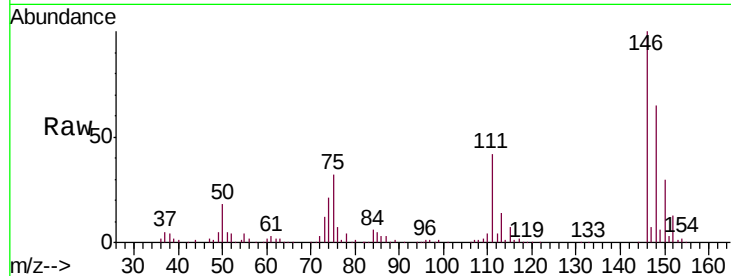




#65
 1,2-Dichlorobenzene
 Concen: 4.661 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

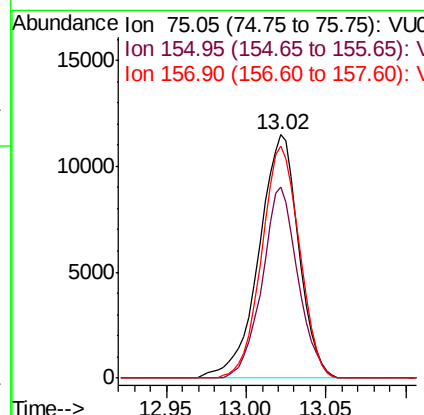
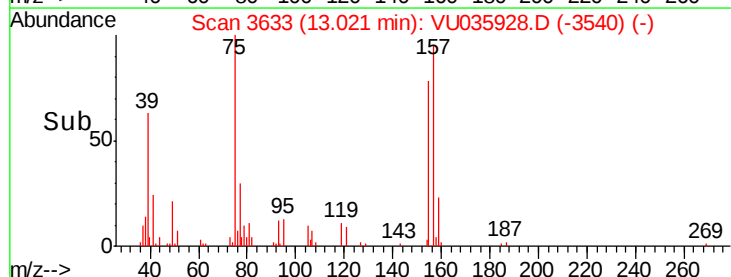
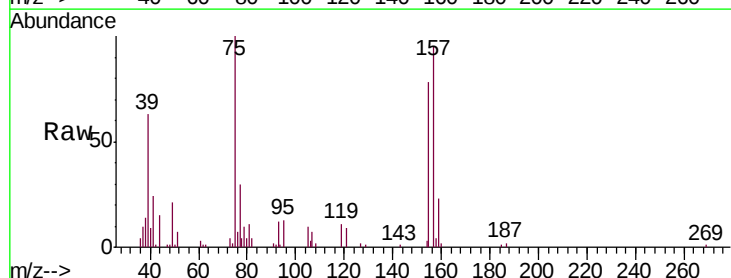
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

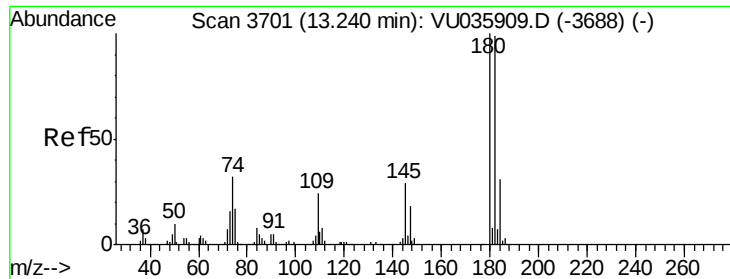
Tgt Ion:146 Resp: 253733
 Ion Ratio Lower Upper
 146 100
 111 42.4 35.4 53.0
 148 64.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.365 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion: 75 Resp: 19665
 Ion Ratio Lower Upper
 75 100
 155 78.3 55.4 83.2
 157 95.4 69.4 104.2

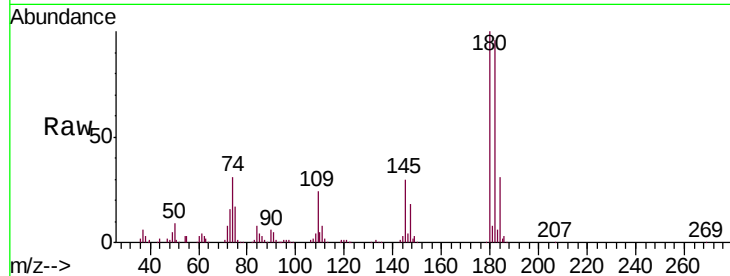




#67
 1,3,5-Trichlorobenzene
 Concen: 4.979 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
184	30.6	24.1	36.1
145	29.1	23.7	35.5



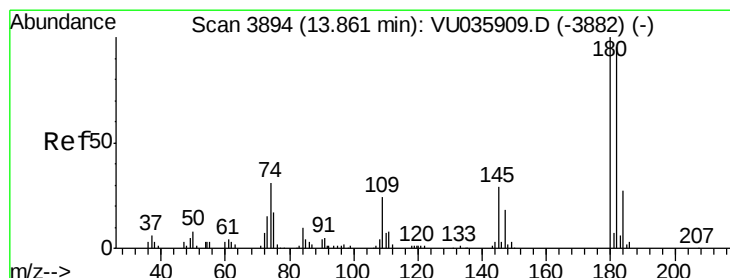
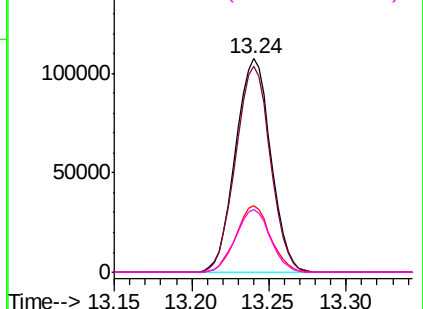
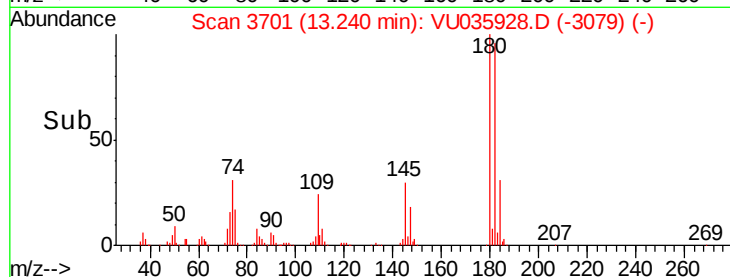
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

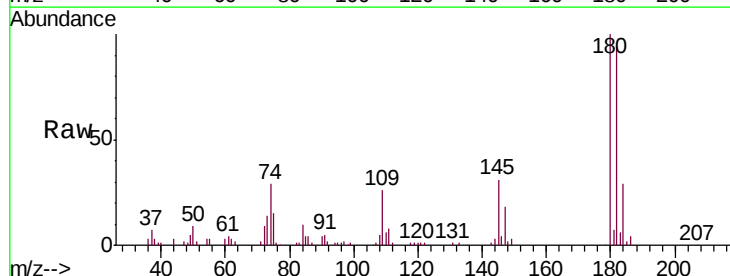
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.708 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035928.D
 Acq: 29 Nov 2019 17:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	75.1	112.7
145	29.7	24.0	36.0

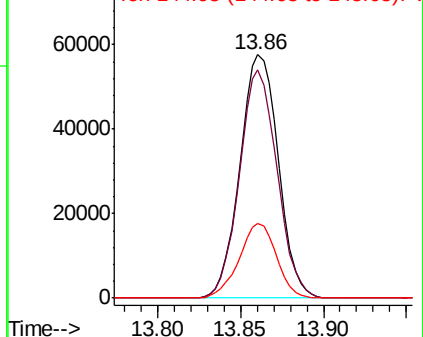
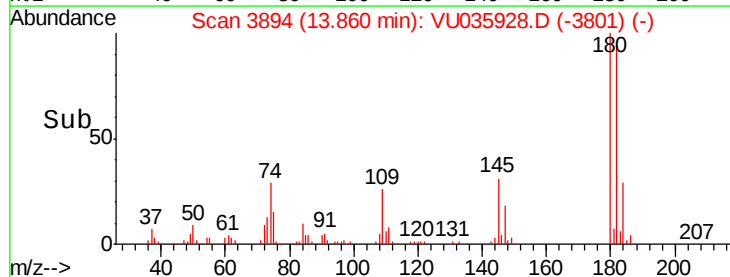


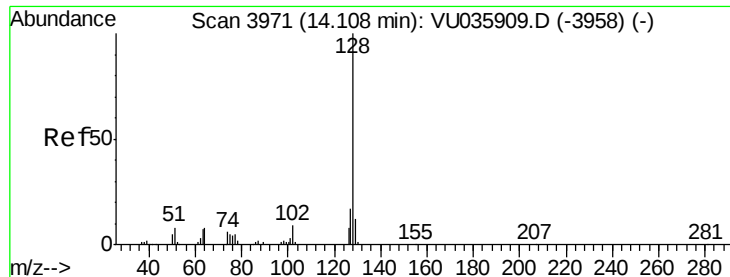
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 2.924 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

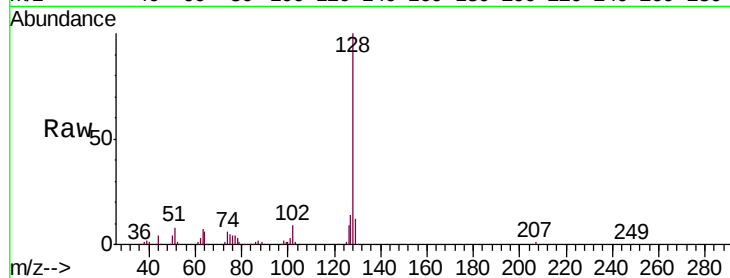
Tgt Ion:128 Resp: 81145

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

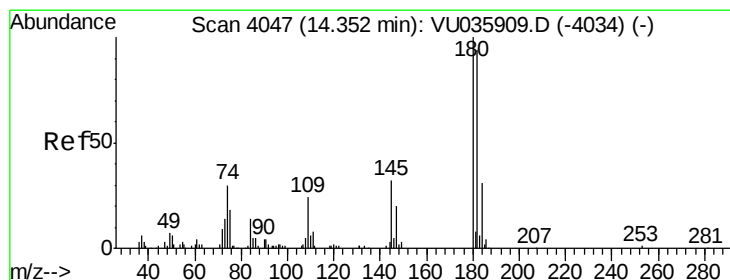
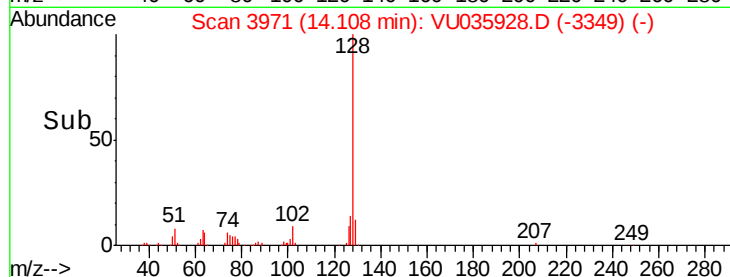
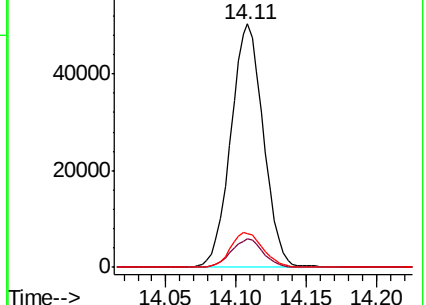
127 14.3 11.8 17.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.712 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035928.D

Acq: 29 Nov 2019 17:23

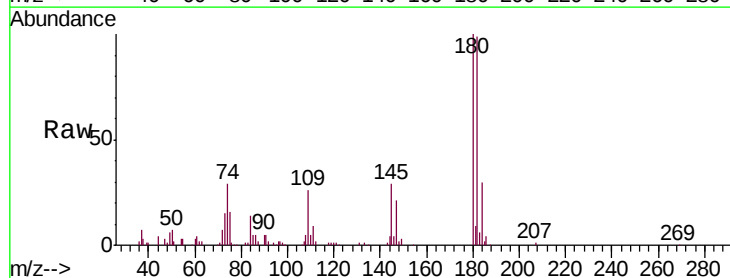
Tgt Ion:180 Resp: 90305

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.0

145 30.3 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

