

Data File : VU029545.D
Acq On : 19 Feb 2019 11:05
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Quant Time: Feb 20 00:06:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	218463	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	224457	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	123900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55697	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.68	69	54586	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.27	63	138987	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.20%
20) 2-Butanone-d5	4.19	46	153331	50.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.48%
24) Chloroform-d	4.64	84	109279	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.31	65	59090	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.33	84	228515	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.33	67	70103	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.56	98	228818	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.85	79	29269	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.31	63	155279	47.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	65815	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	105511	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	90717	4.741 ug/L	97
3) Chloromethane	1.32	50	79869	4.424 ug/L	98
5) Vinyl chloride	1.40	62	109091	5.185 ug/L	98
6) Bromomethane	1.63	94	56533	4.606 ug/L	98
8) Chloroethane	1.70	64	69957	5.106 ug/L	97
9) Trichlorofluoromethane	1.88	101	160854	4.995 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	99763	5.255 ug/L	96
12) 1,1-Dichloroethene	2.28	96	91226	5.074 ug/L	91
13) Acetone	2.32	43	144077	51.967 ug/L	97
14) Carbon disulfide	2.48	76	288453	4.869 ug/L	100
15) Methyl Acetate	2.62	43	39164	5.514 ug/L	96
16) Methylene chloride	2.70	84	101867	5.042 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	232304	5.160 ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	100570	5.246 ug/L	97
19) 1,1-Dichloroethane	3.44	63	162314	5.620 ug/L	97
21) 2-Butanone	4.27	43	187900	54.847 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	89734	5.088 ug/L	95

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Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Quant Time: Feb 20 00:06:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	41279	5.185	ug/L	98
25) Chloroform	4.67	83	153093	5.298	ug/L	98
27) 1,2-Dichloroethane	5.40	62	90691	5.424	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	126488	4.556	ug/L	98
30) Cyclohexane	4.99	56	122469	4.604	ug/L	100
31) Carbon tetrachloride	5.13	117	115237	4.594	ug/L	97
33) Benzene	5.39	78	313291	4.742	ug/L	100
34) Trichloroethene	6.18	95	87895	4.732	ug/L	98
35) Methylcyclohexane	6.41	83	145804	4.666	ug/L	99
37) 1,2-Dichloropropane	6.43	63	83122	5.023	ug/L	99
38) Bromodichloromethane	6.75	83	104705	4.788	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	125520	4.819	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	470442	49.318	ug/L	100
42) Toluene	7.63	91	368179	4.965	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	100224	4.686	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	63545	5.013	ug/L	98
47) Tetrachloroethene	8.22	164	83266	4.893	ug/L	99
48) 2-Hexanone	8.36	43	352965	50.770	ug/L	99
49) Dibromochloromethane	8.47	129	79916	4.678	ug/L	99
50) 1,2-Dibromoethane	8.58	107	61599	4.910	ug/L	94
51) Chlorobenzene	9.12	112	255622	5.012	ug/L	98
52) Ethylbenzene	9.25	91	421172	5.016	ug/L	100
53) m,p-xylene	9.37	106	164724	4.919	ug/L	100
54) o-xylene	9.78	106	163467	4.974	ug/L	99
55) Styrene	9.79	104	277098	5.079	ug/L	98
56) Isopropylbenzene	10.16	105	436417	5.035	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	80523	5.205	ug/L	94
59) 1,2,3-Trichloropropane	10.49	75	56071	5.282	ug/L	95
61) Bromoform	9.95	173	47238	4.504	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	217712	4.960	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	221062	5.043	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	210581	5.092	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	12072	4.666	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	180006	4.943	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	153736	5.012	ug/L	99
69) Naphthalene	13.74	128	249969	4.719	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	141793	4.835	ug/L	100

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

Data File : VU029545.D

Acq On : 19 Feb 2019 11:05

Operator : JC/SP

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

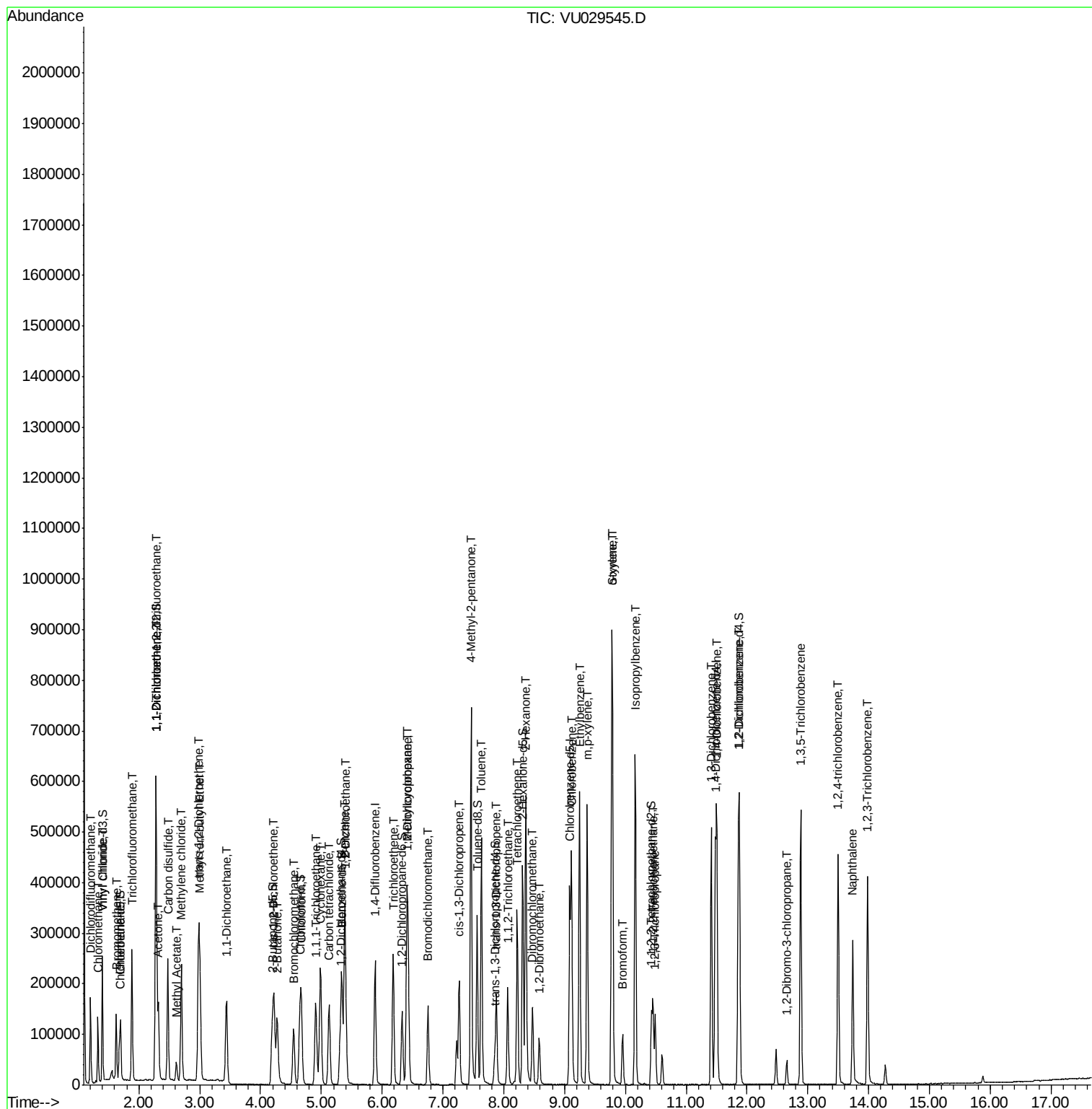
Quant Time: Feb 20 00:06:48 2019

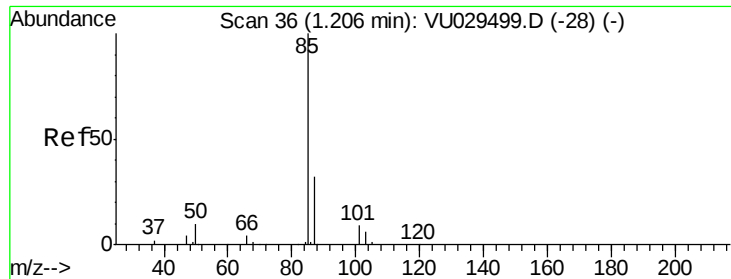
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR021219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Feb 19 00:19:12 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.741 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

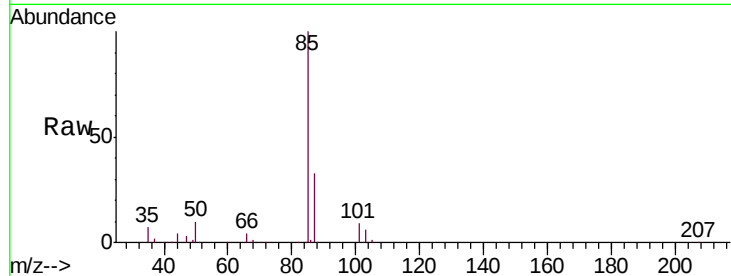
VSTD00542

Tgt Ion: 85 Resp: 90717

Ion Ratio Lower Upper

85 100

87 33.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

100000

80000

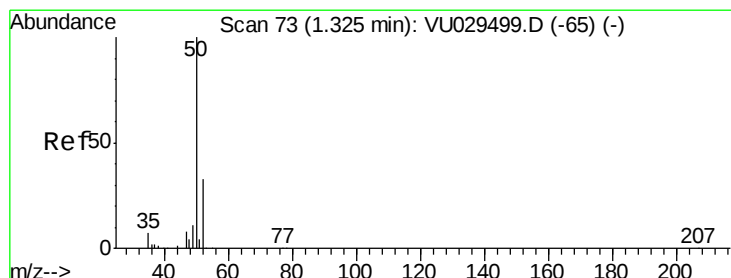
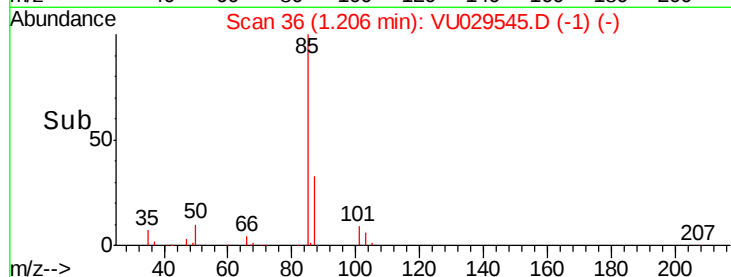
60000

40000

20000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.424 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029545.D

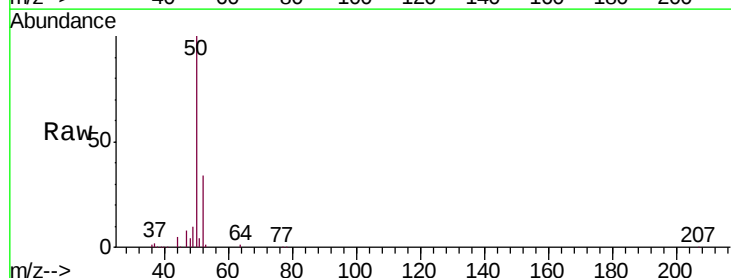
Acq: 19 Feb 2019 11:05

Tgt Ion: 50 Resp: 79869

Ion Ratio Lower Upper

50 100

52 34.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.32

80000

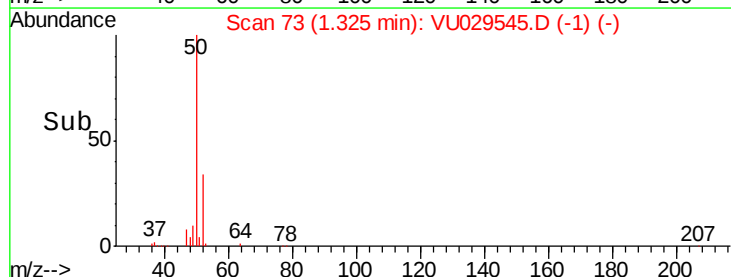
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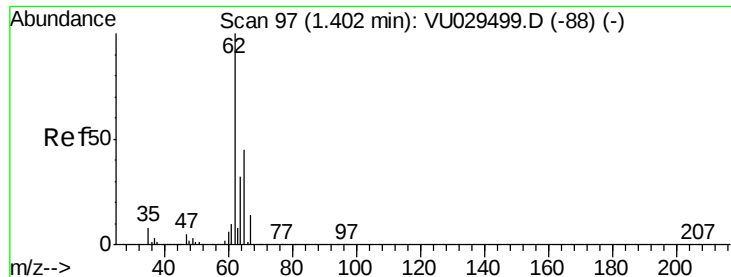
40000

20000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 5.185 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

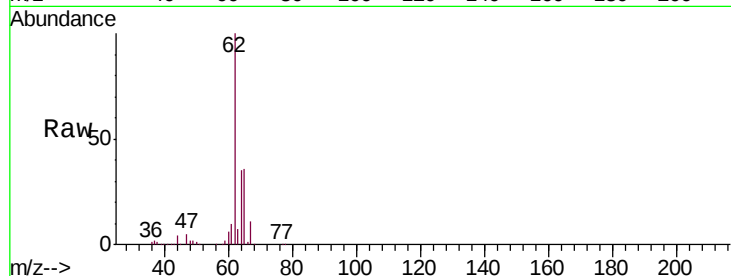
VSTD00542

Tgt Ion: 62 Resp: 109091

Ion Ratio Lower Upper

62 100

64 34.9 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

120000

100000

80000

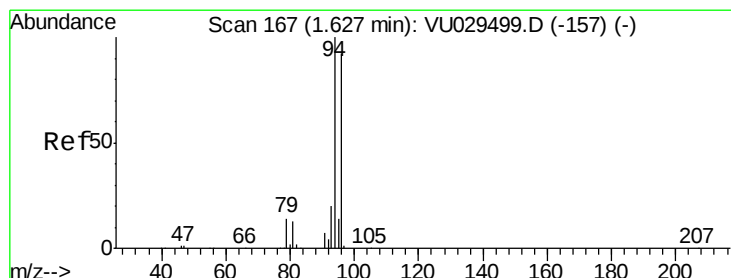
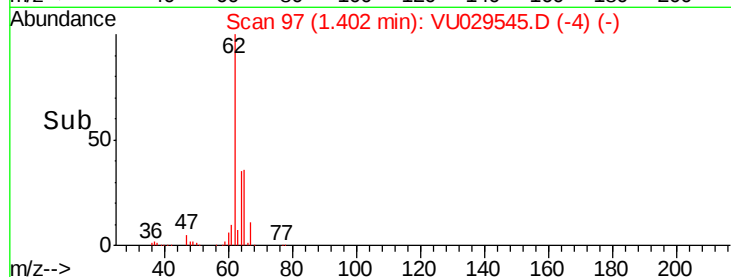
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 4.606 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029545.D

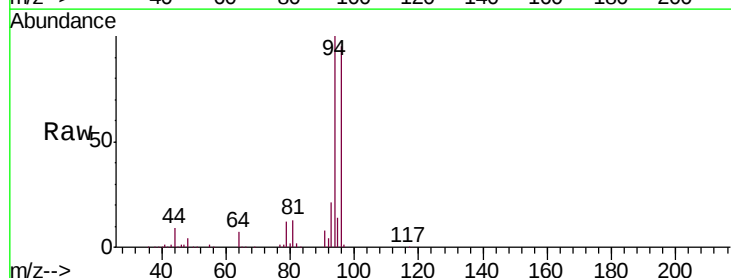
Acq: 19 Feb 2019 11:05

Tgt Ion: 94 Resp: 56533

Ion Ratio Lower Upper

94 100

96 94.6 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

50000

40000

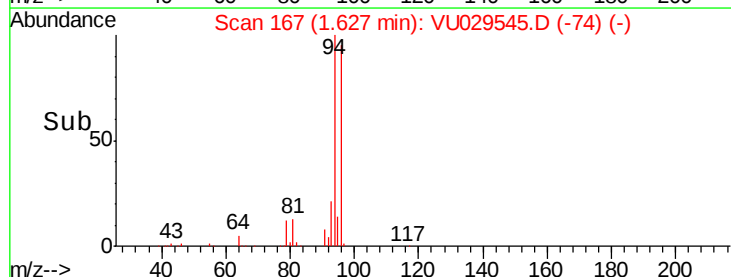
30000

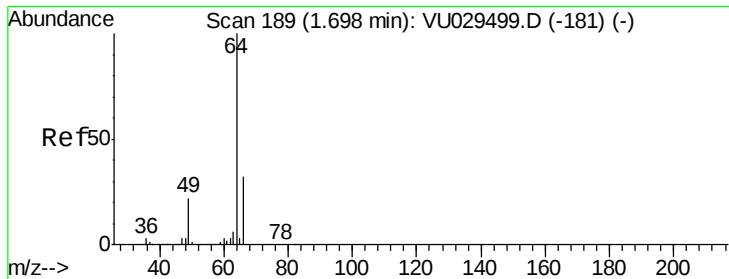
20000

10000

0

Time-->





#8

Chloroethane

Concen: 5.106 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

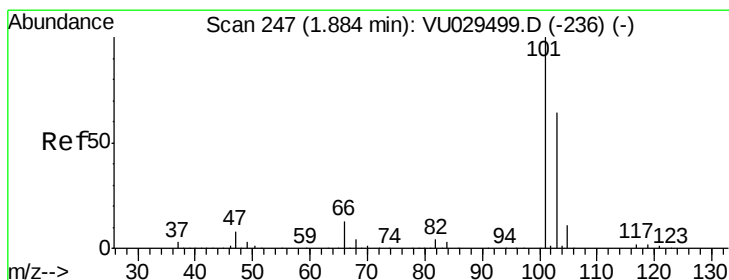
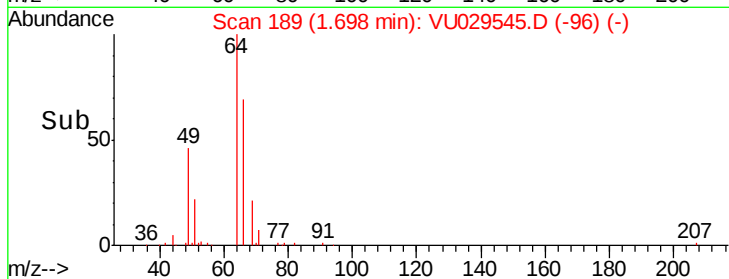
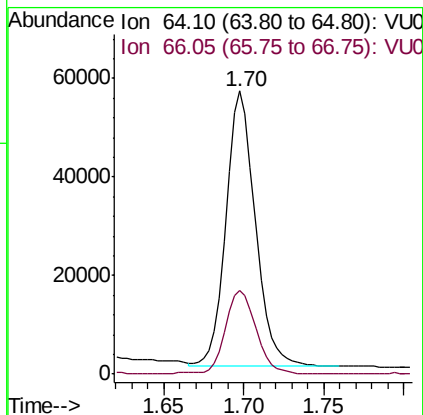
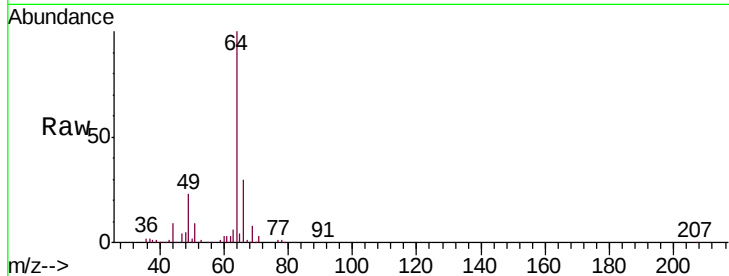
VSTD00542

Tgt Ion: 64 Resp: 69957

Ion Ratio Lower Upper

64 100

66 29.8 22.0 40.8



#9

Trichlorofluoromethane

Concen: 4.995 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029545.D

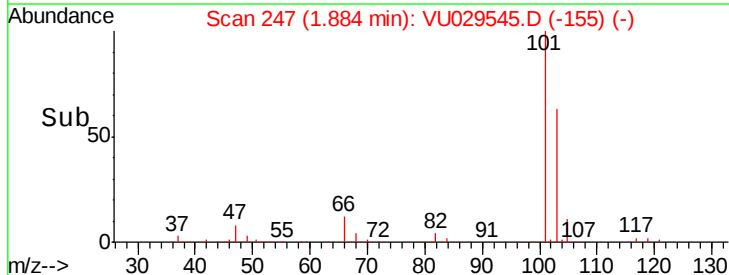
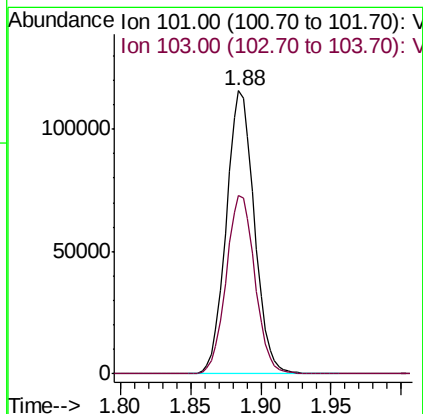
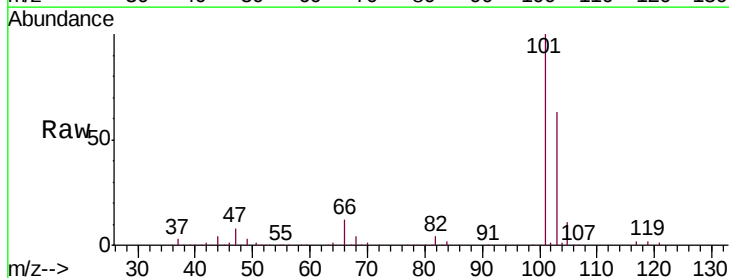
Acq: 19 Feb 2019 11:05

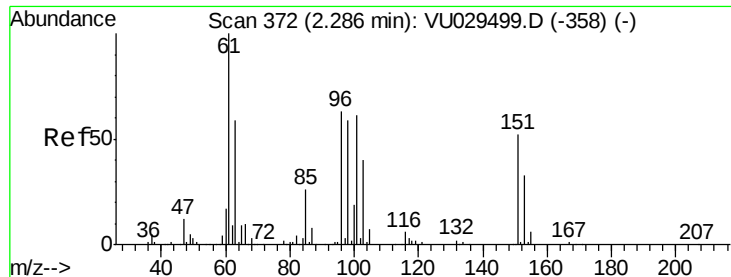
Tgt Ion: 101 Resp: 160854

Ion Ratio Lower Upper

101 100

103 64.6 52.1 78.1





#10

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

Concen: 5.255 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

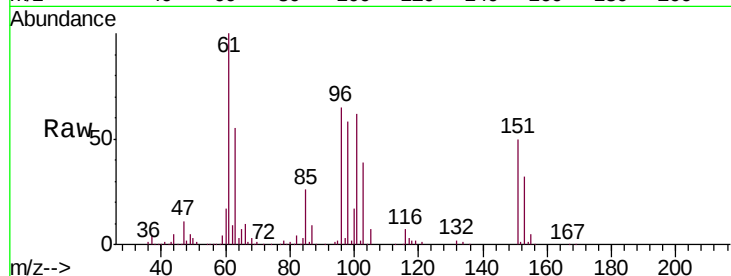
Tgt Ion:101 Resp: 99763

Ion Ratio Lower Upper

101 100

85 41.2 35.1 52.7

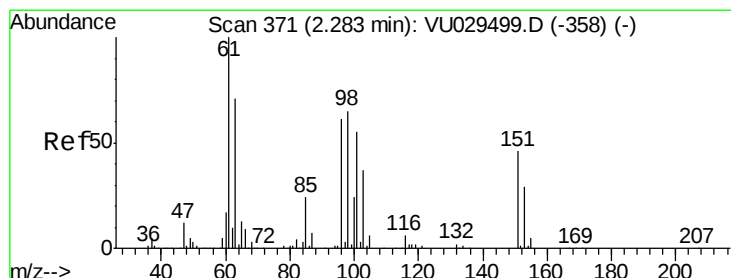
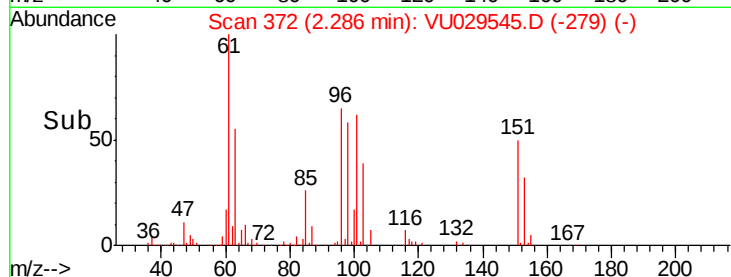
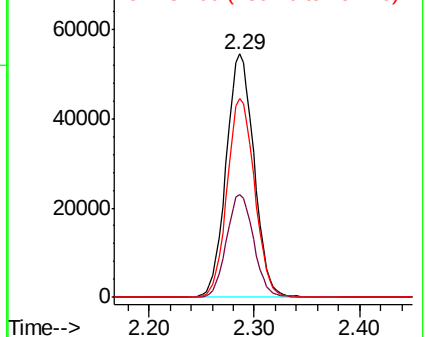
151 80.2 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.074 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

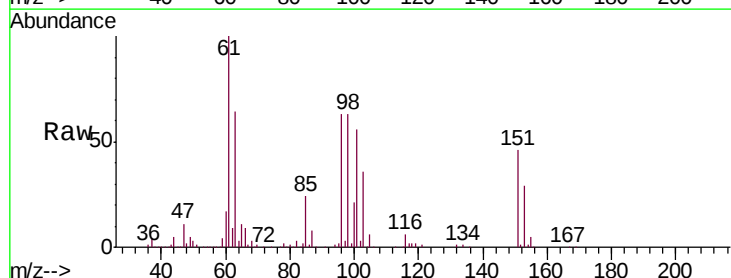
Tgt Ion: 96 Resp: 91226

Ion Ratio Lower Upper

96 100

61 159.0 115.1 213.7

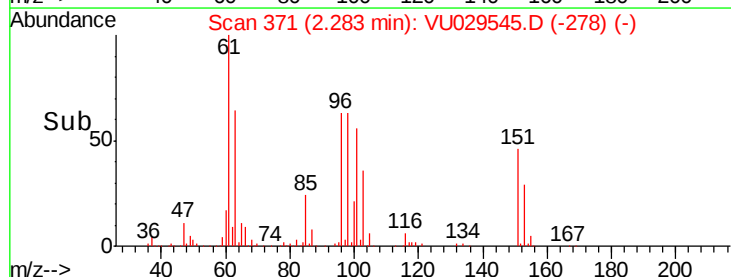
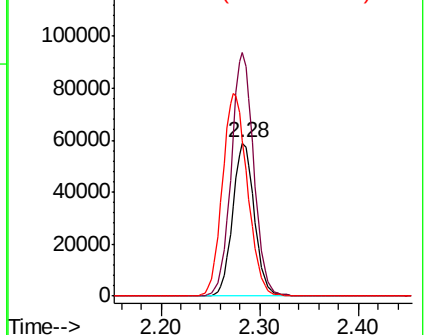
63 101.8 83.5 155.1

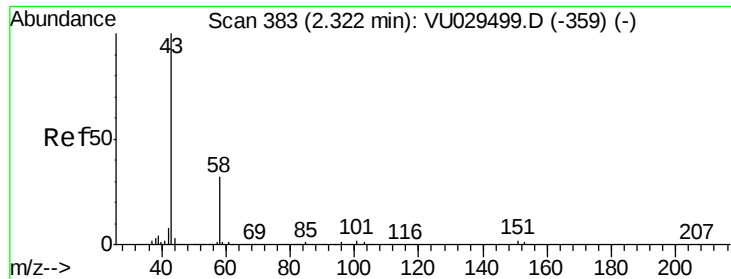


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.967 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

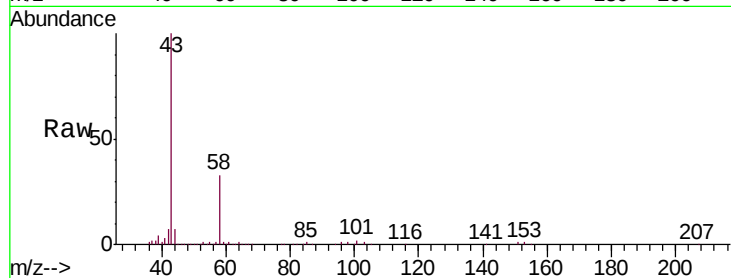
VSTD00542

Tgt Ion: 43 Resp: 144077

Ion Ratio Lower Upper

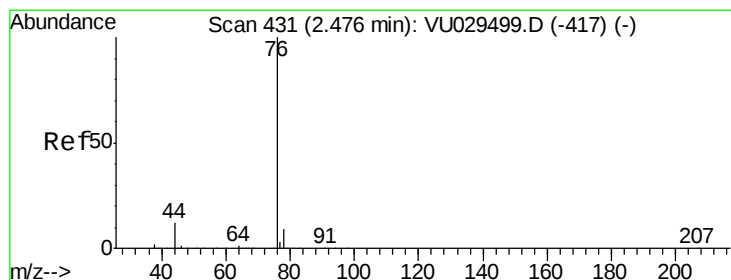
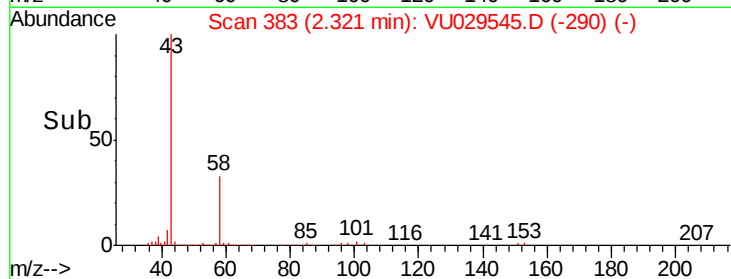
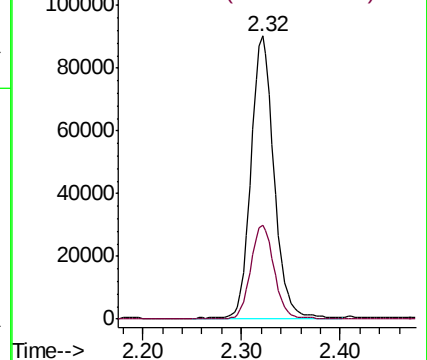
43 100

58 34.4 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.869 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029545.D

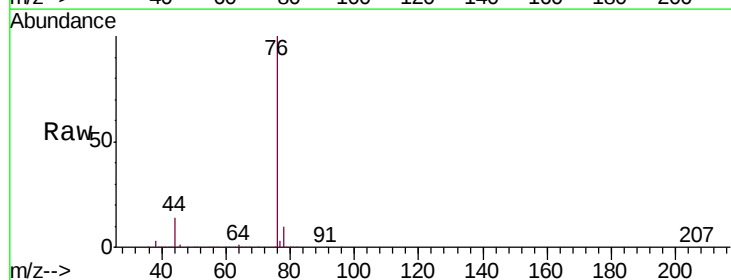
Acq: 19 Feb 2019 11:05

Tgt Ion: 76 Resp: 288453

Ion Ratio Lower Upper

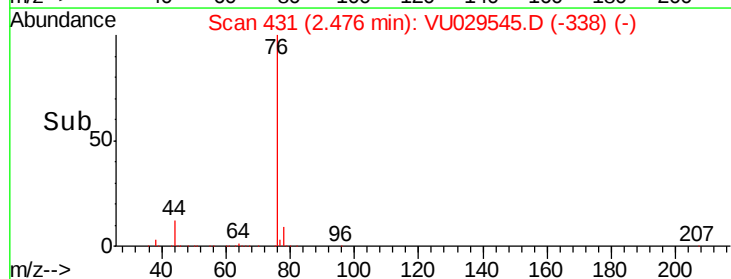
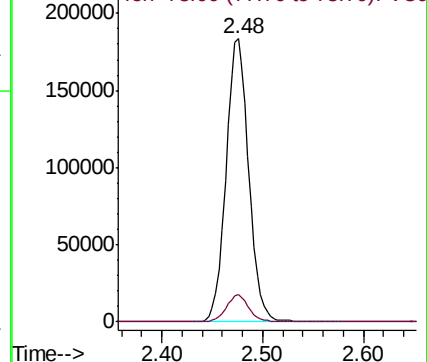
76 100

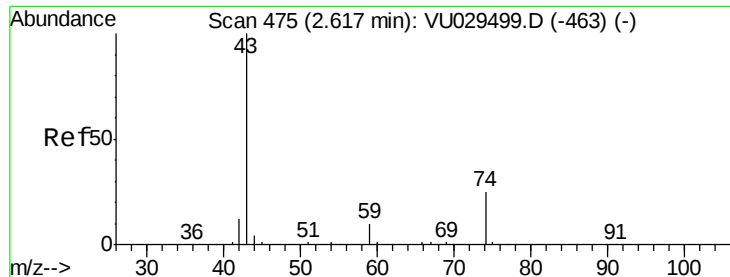
78 9.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

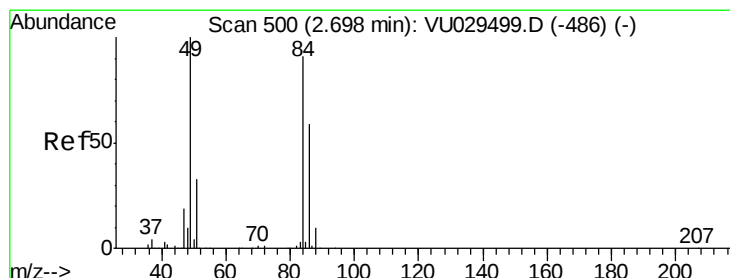
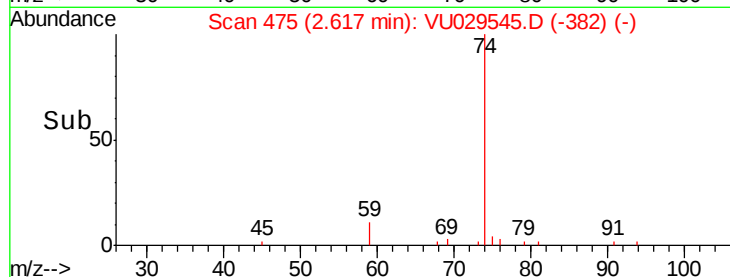
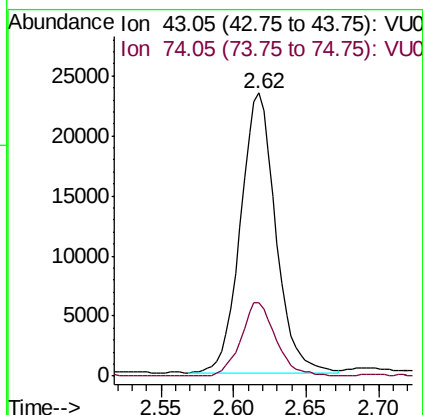
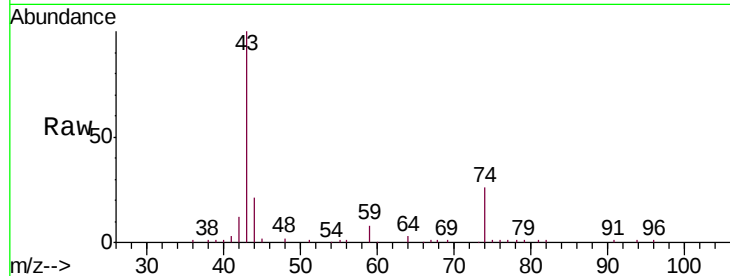




#15
Methyl Acetate
Concen: 5.514 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029545.D
Acq: 19 Feb 2019 11:05

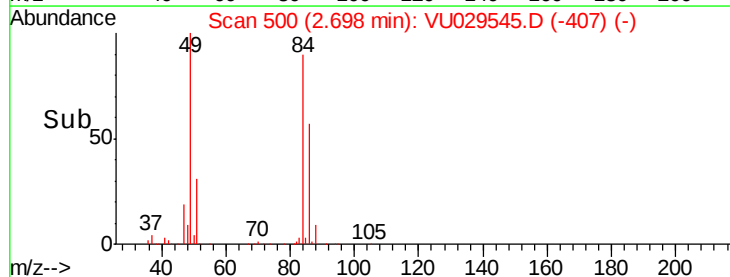
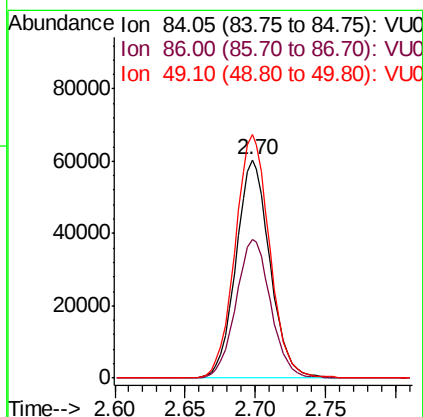
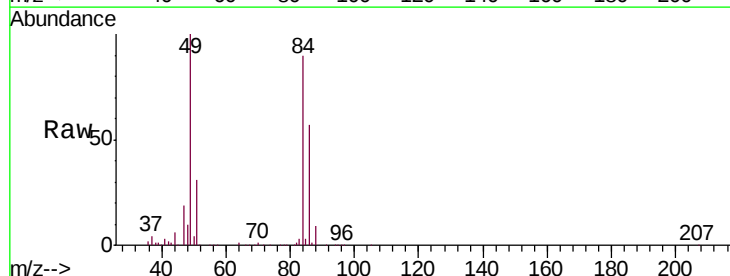
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

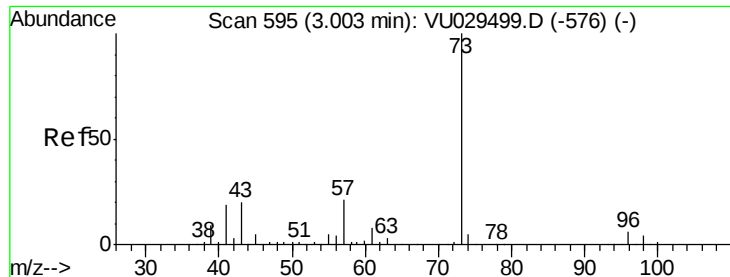
Tgt Ion: 43 Resp: 39164
Ion Ratio Lower Upper
43 100
74 26.0 22.3 33.5



#16
Methylene chloride
Concen: 5.042 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029545.D
Acq: 19 Feb 2019 11:05

Tgt Ion: 84 Resp: 101867
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.9
49 111.6 81.8 151.8





#17

Methyl tert-butyl Ether

Concen: 5.160 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

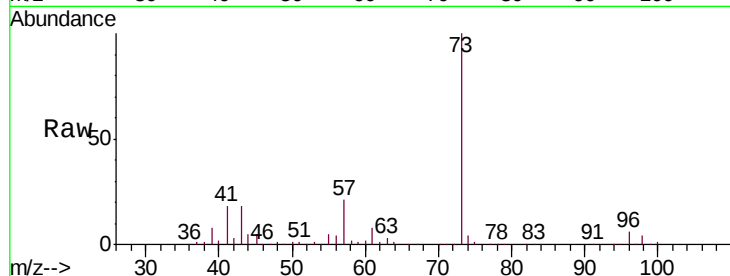
Tgt Ion: 73 Resp: 232304

Ion Ratio Lower Upper

73 100

43 18.3 16.0 24.0

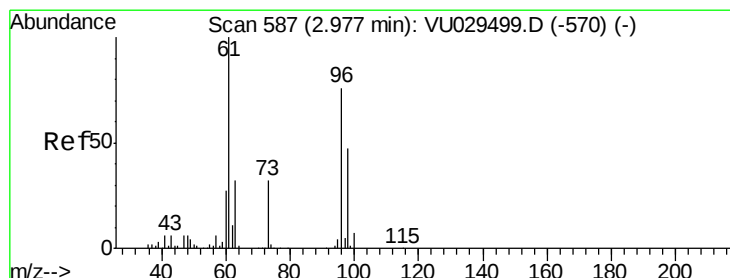
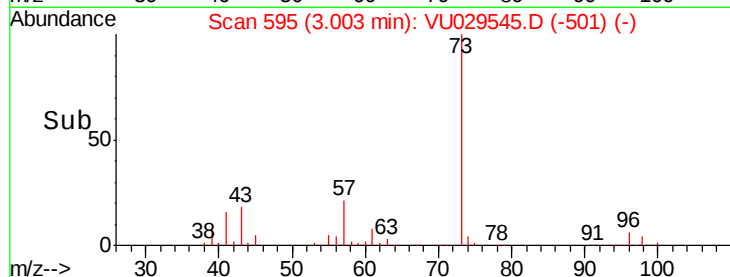
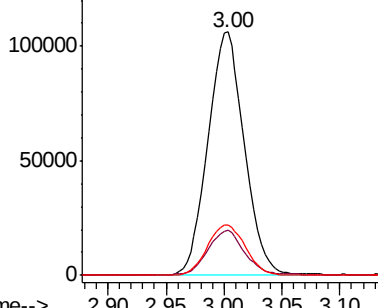
57 21.8 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 5.246 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

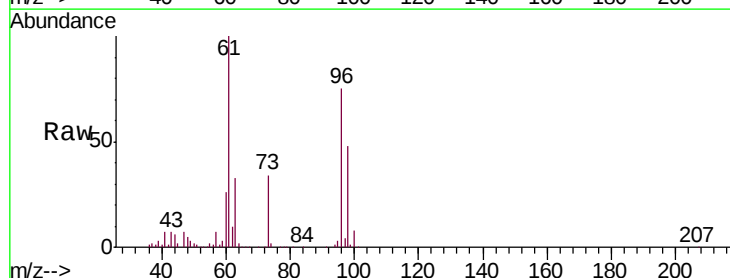
Tgt Ion: 96 Resp: 100570

Ion Ratio Lower Upper

96 100

61 132.6 95.4 177.2

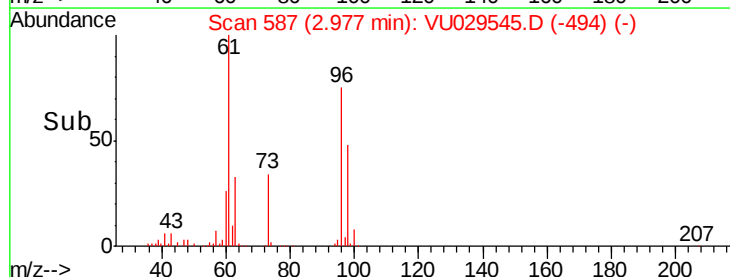
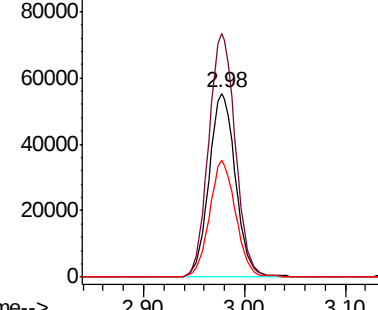
98 63.5 45.8 85.2

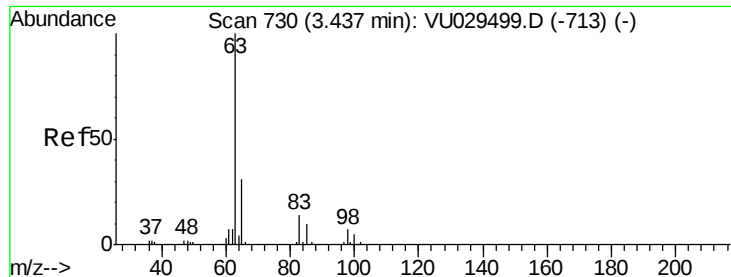


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.620 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

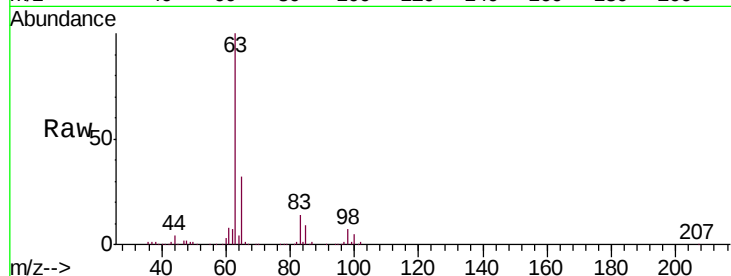
Tgt Ion: 63 Resp: 162314

Ion Ratio Lower Upper

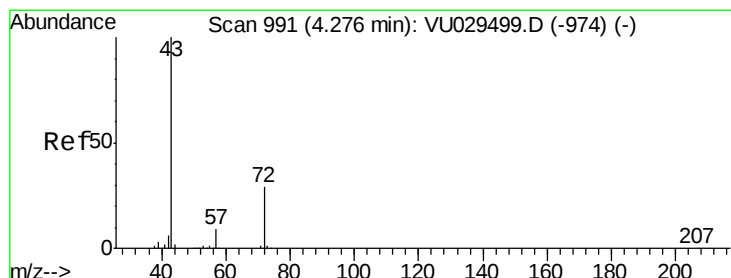
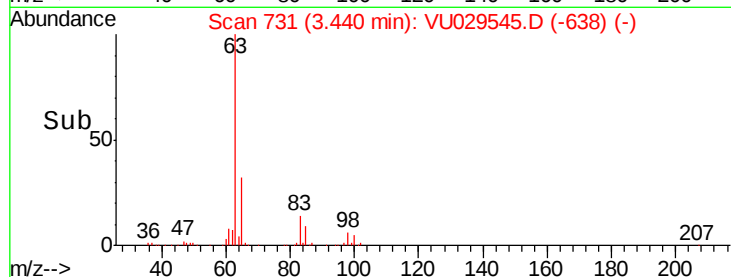
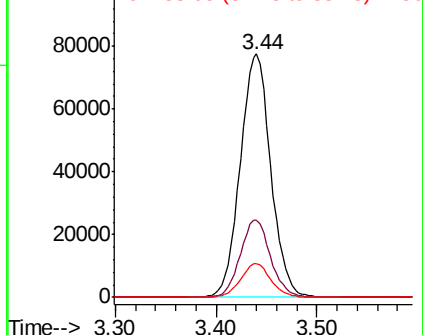
63 100

65 31.7 23.5 43.7

83 14.0 10.3 19.1



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: 54.847 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU029545.D

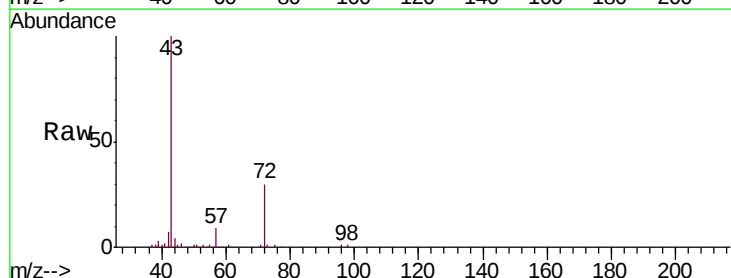
Acq: 19 Feb 2019 11:05

Tgt Ion: 43 Resp: 187900

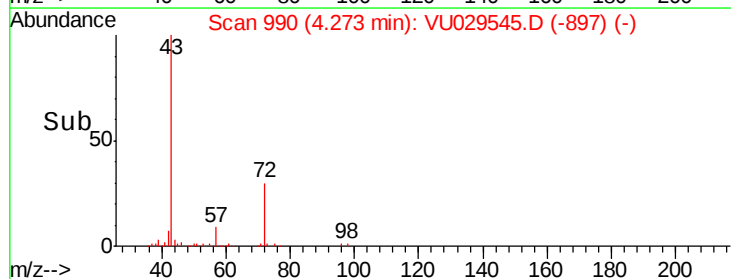
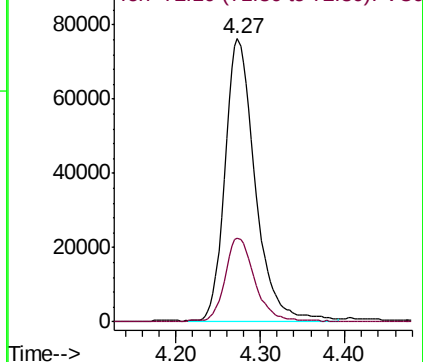
Ion Ratio Lower Upper

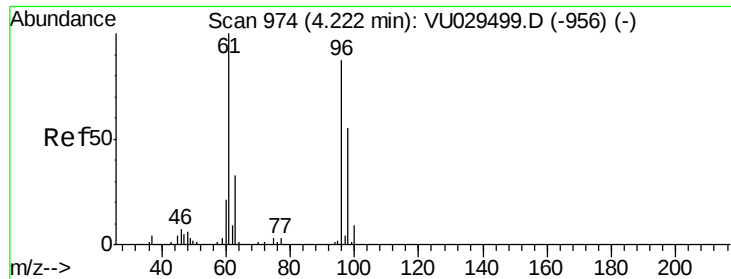
43 100

72 28.5 14.7 44.1



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



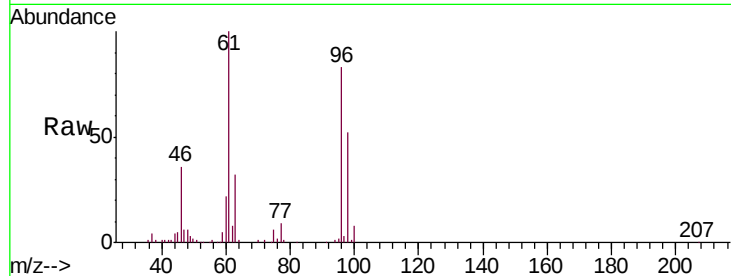


#22

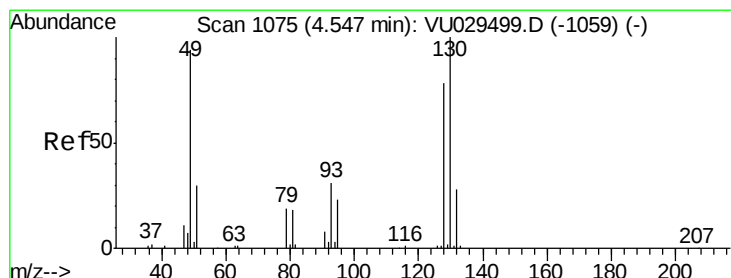
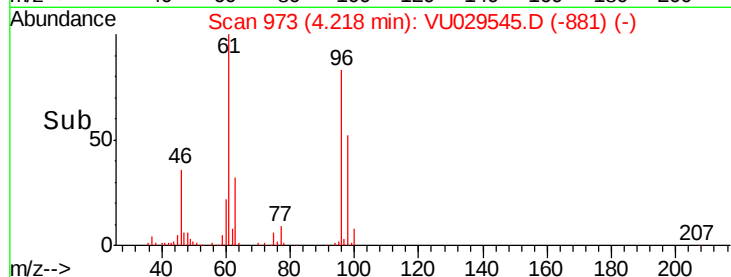
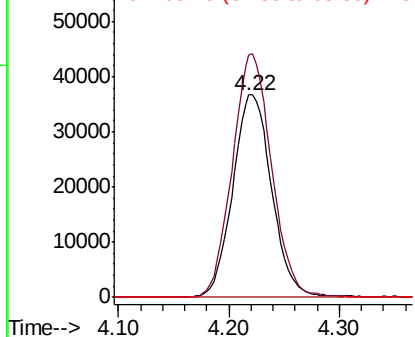
cis-1,2-Dichloroethene
 Concen: 5.088 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion: 96 Resp: 89734
 Ion Ratio Lower Upper
 96 100
 61 119.9 79.9 148.5
 68 0.0 0.0 0.0



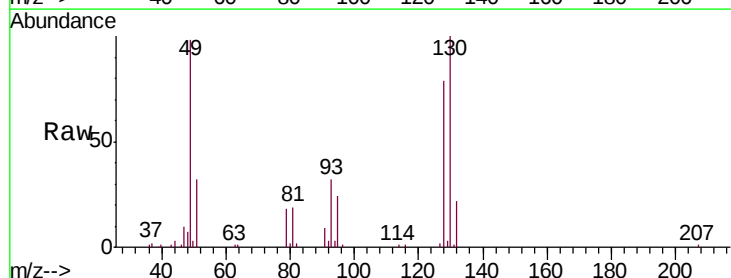
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



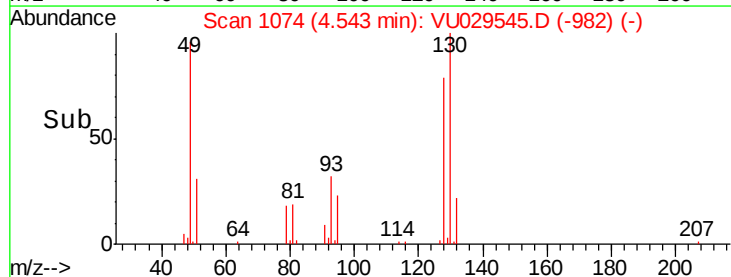
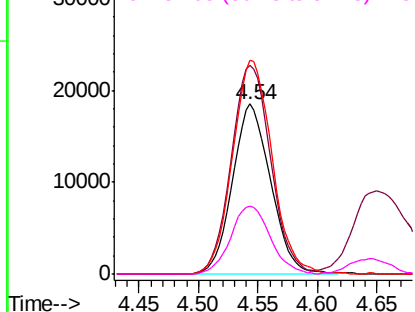
#23

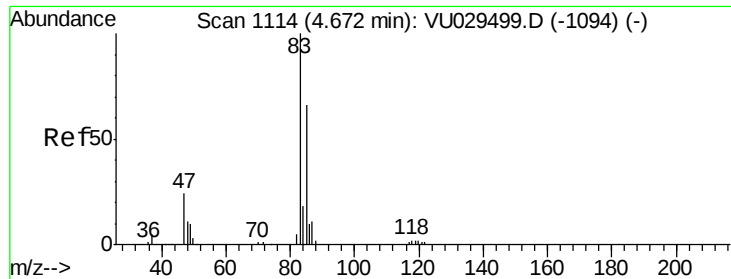
Bromochloromethane
 Concen: 5.185 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Tgt Ion: 128 Resp: 41279
 Ion Ratio Lower Upper
 128 100
 49 122.8 89.0 165.4
 130 125.8 88.0 163.4
 51 39.8 32.1 48.1



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 5.298 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

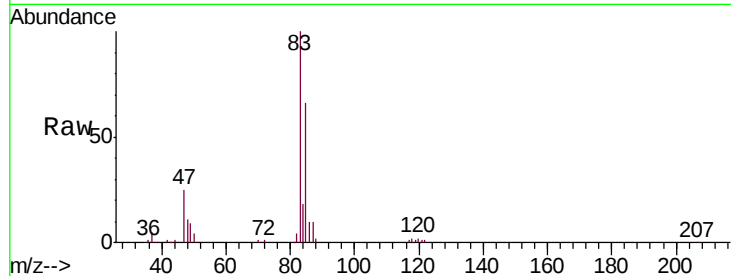
VSTD00542

Tgt Ion: 83 Resp: 153093

Ion Ratio Lower Upper

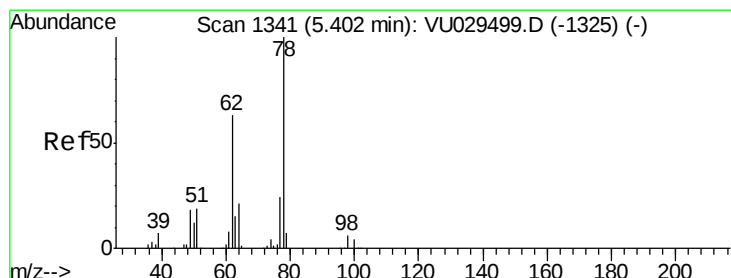
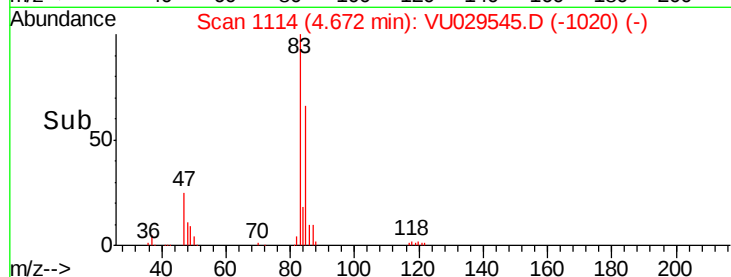
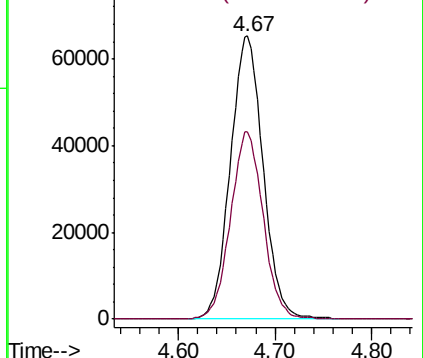
83 100

85 66.4 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 5.424 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029545.D

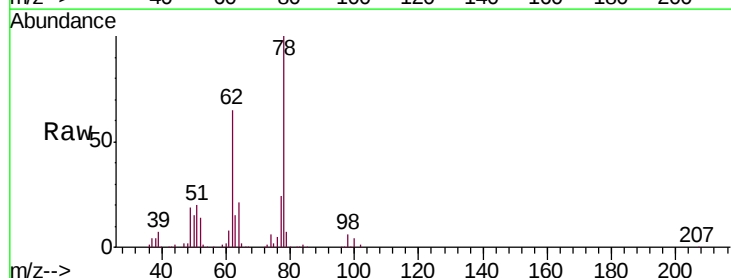
Acq: 19 Feb 2019 11:05

Tgt Ion: 62 Resp: 90691

Ion Ratio Lower Upper

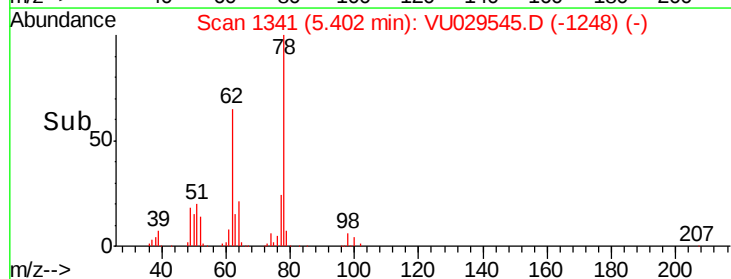
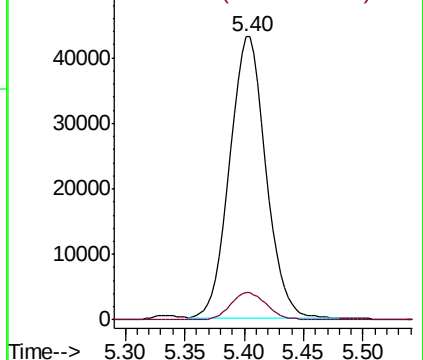
62 100

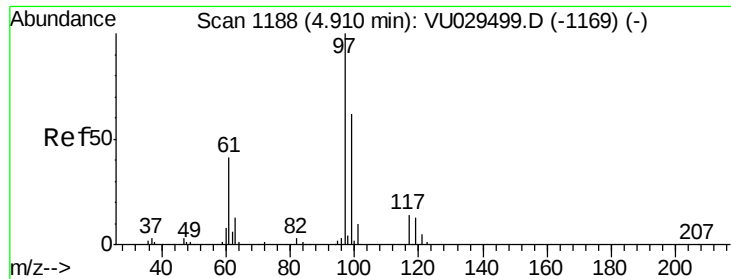
98 9.7 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

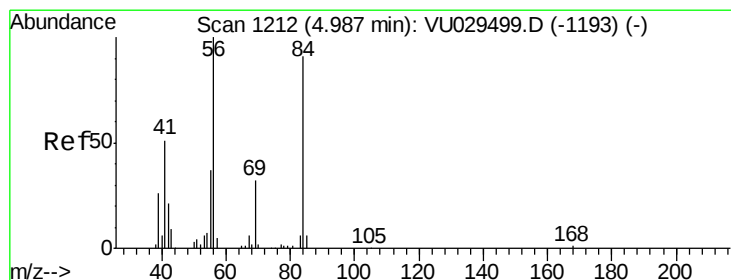
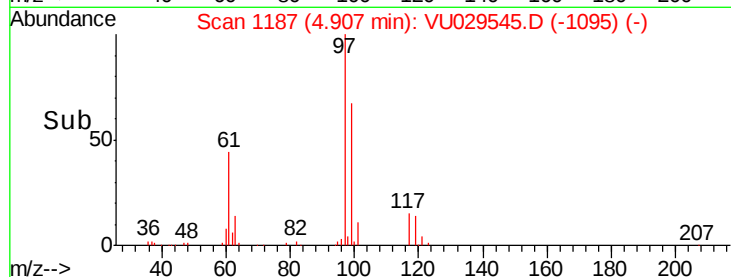
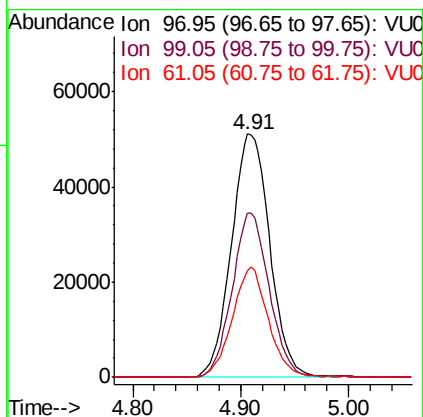
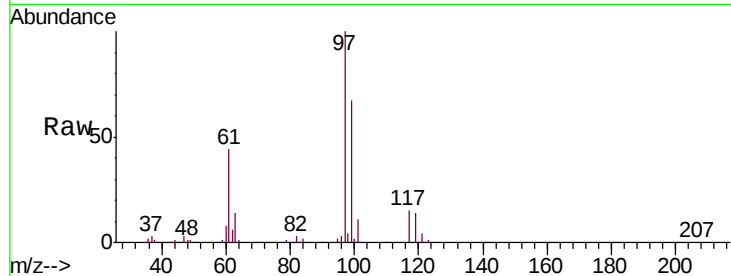




#29
 1,1,1-Trichloroethane
 Concen: 4.556 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

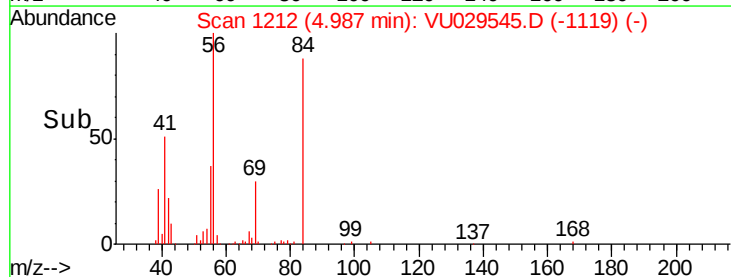
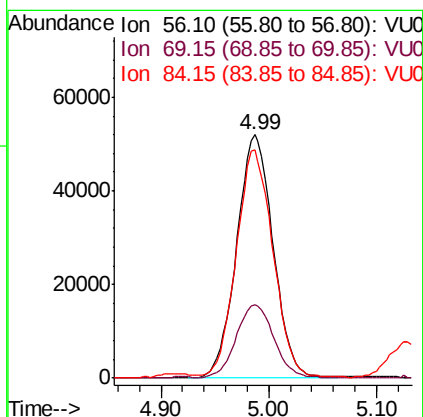
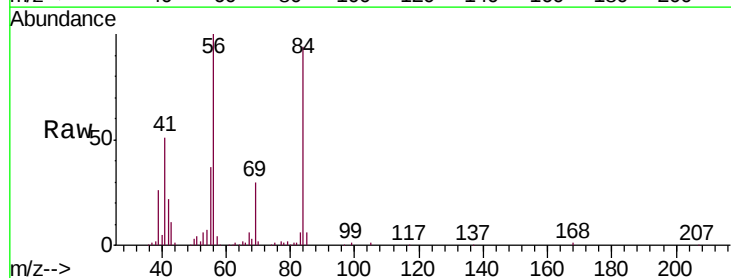
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

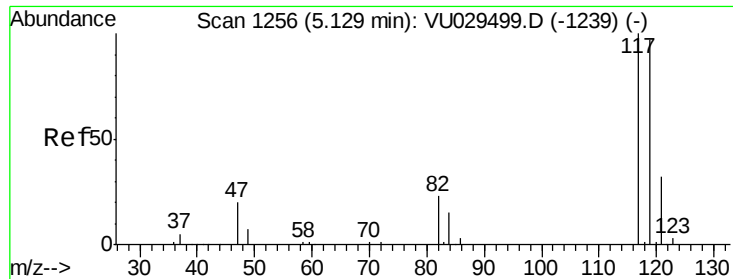
Tgt Ion: 97 Resp: 126488
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.2 78.2
 61 42.6 32.0 48.0



#30
 Cyclohexane
 Concen: 4.604 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Tgt Ion: 56 Resp: 122469
 Ion Ratio Lower Upper
 56 100
 69 31.1 25.8 38.6
 84 93.8 75.0 112.6





#31

Carbon tetrachloride

Concen: 4.594 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

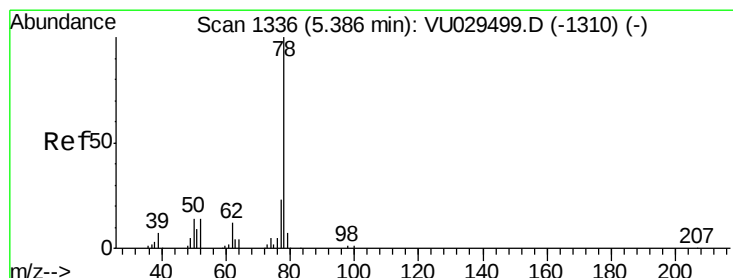
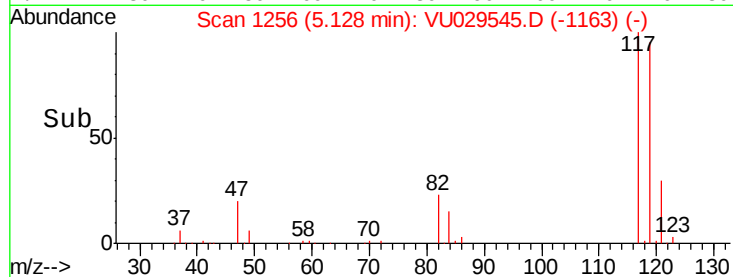
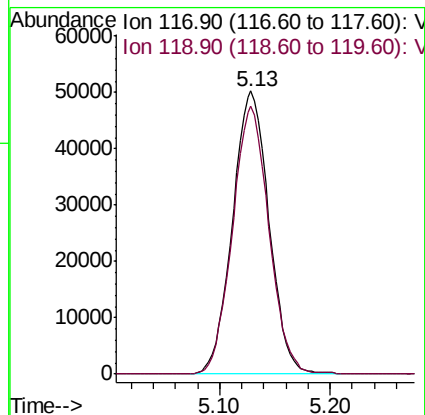
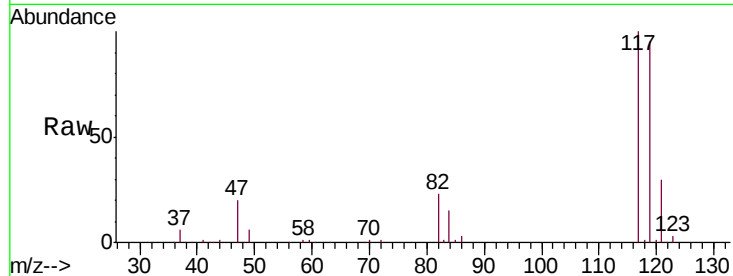
VSTD00542

Tgt Ion:117 Resp: 115237

Ion Ratio Lower Upper

117 100

119 94.8 78.1 117.1



#33

Benzene

Concen: 4.742 ug/L

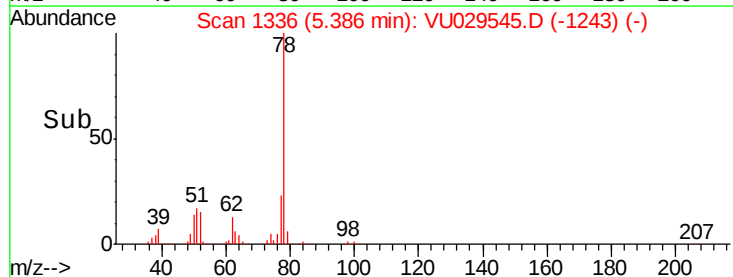
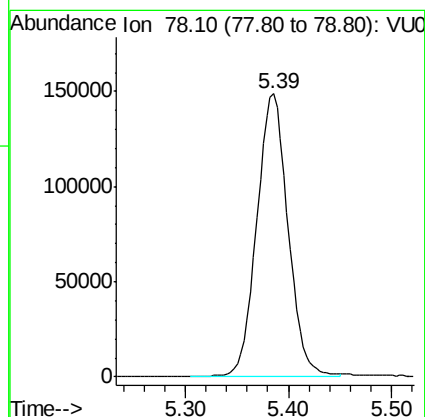
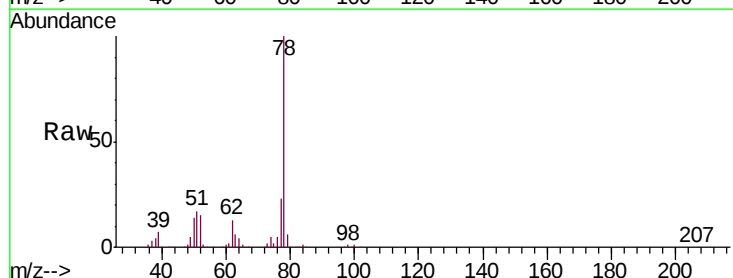
RT: 5.39 min Scan# 1336

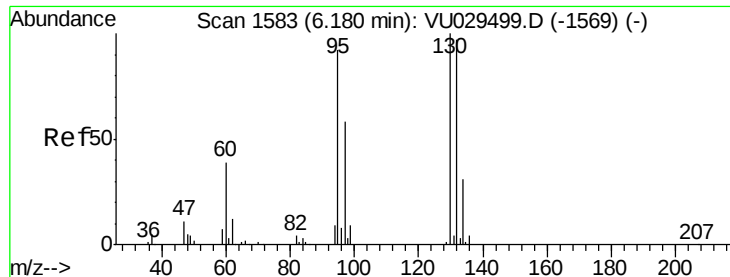
Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Tgt Ion: 78 Resp: 313291

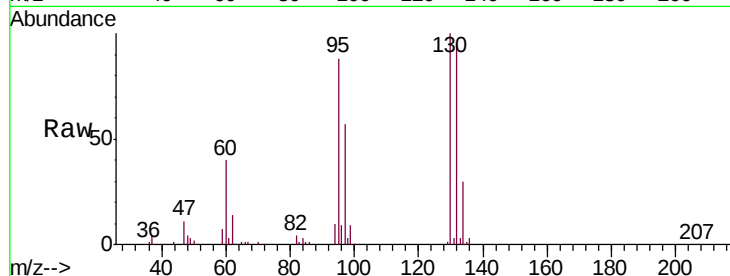




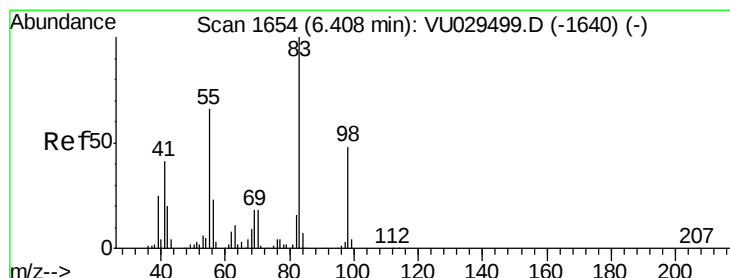
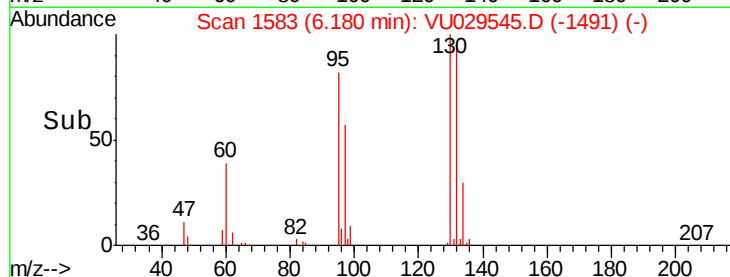
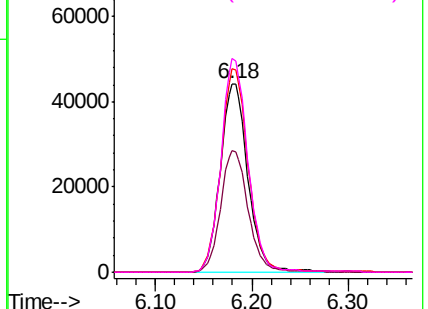
#34
 Trichloroethene
 Concen: 4.732 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion: 95 Resp: 87895
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.3 86.1
 132 107.9 72.9 135.3
 130 113.3 79.2 147.0

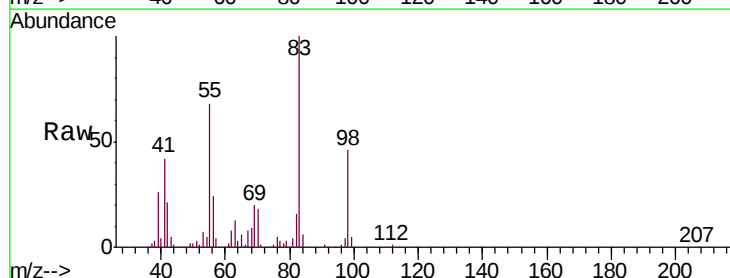


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

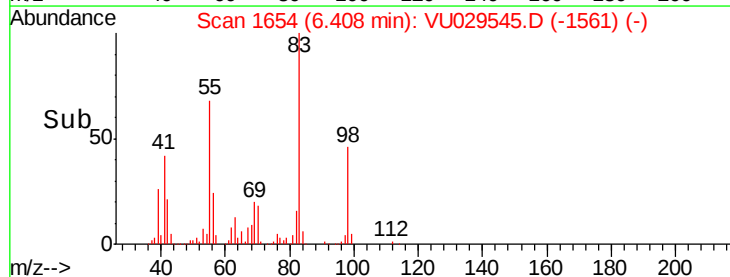
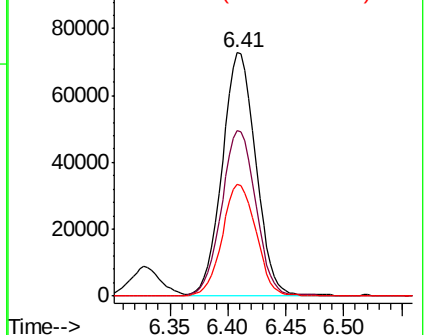


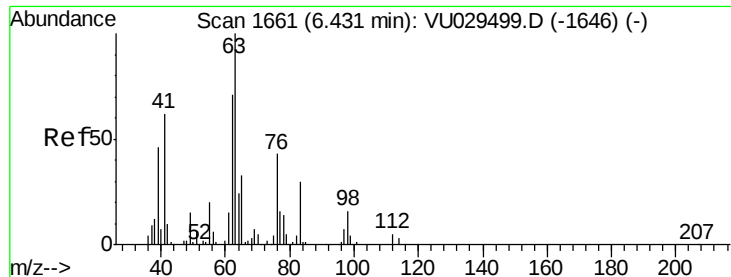
#35
 Methylcyclohexane
 Concen: 4.666 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Tgt Ion: 83 Resp: 145804
 Ion Ratio Lower Upper
 83 100
 55 69.8 55.9 83.9
 98 46.5 38.6 57.8



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

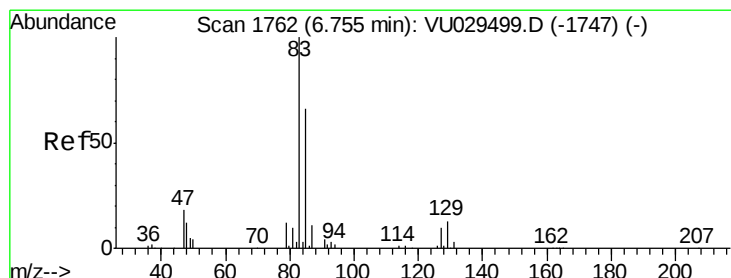
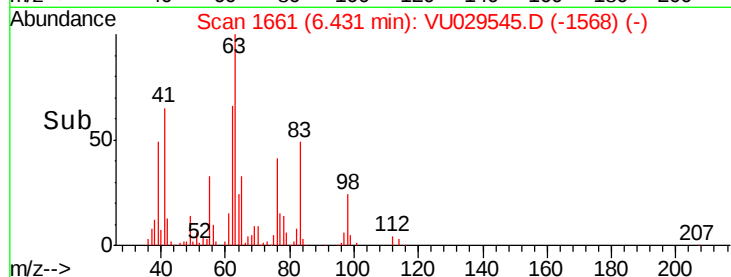
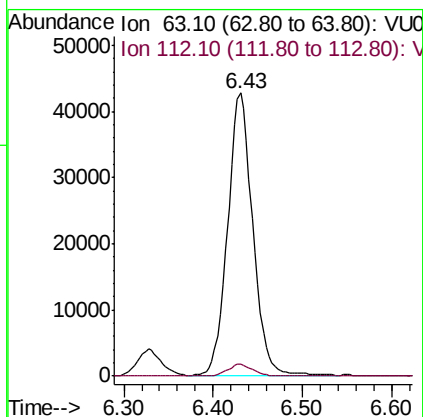
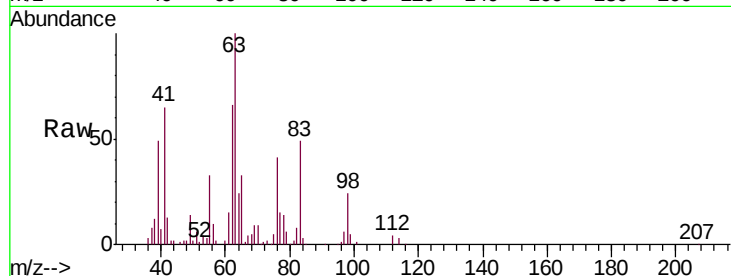




#37
 1,2-Dichloropropane
 Concen: 5.023 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

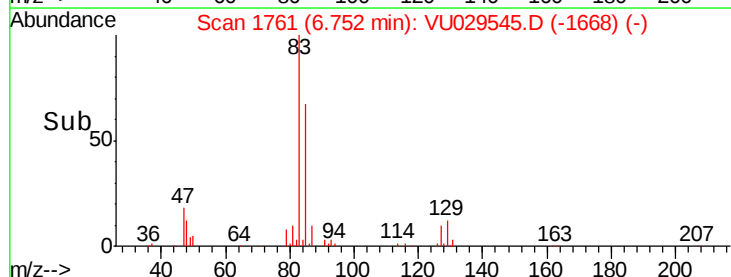
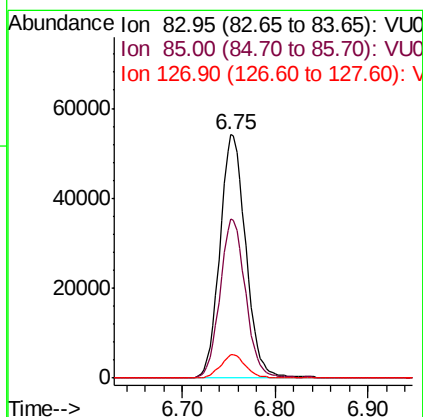
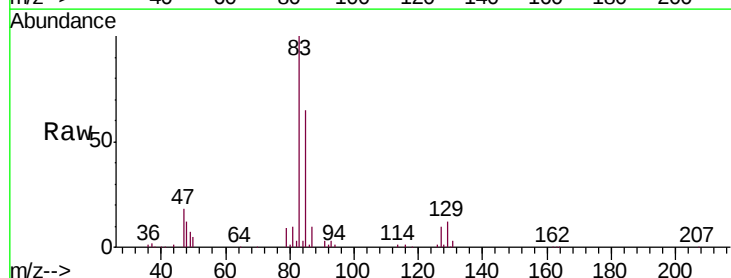
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

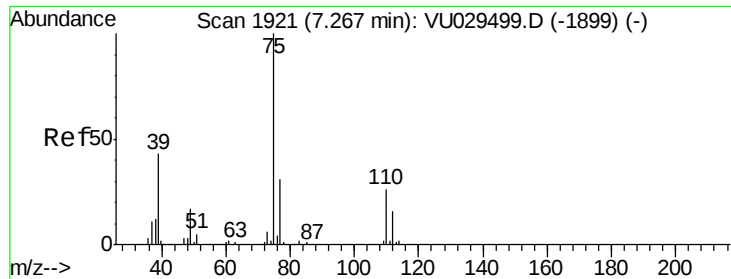
Tgt Ion: 63 Resp: 83122
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.788 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Tgt Ion: 83 Resp: 104705
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.1 83.7
 127 9.8 7.8 11.8

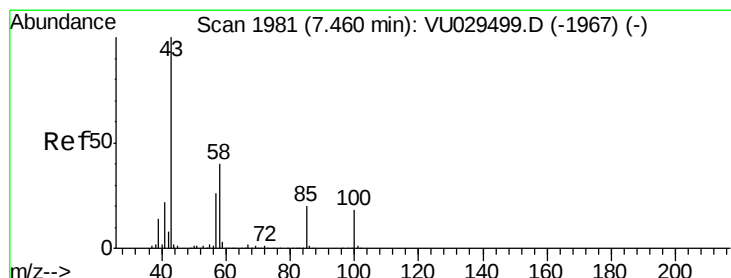
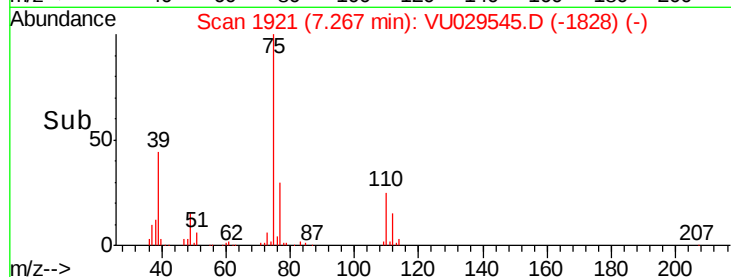
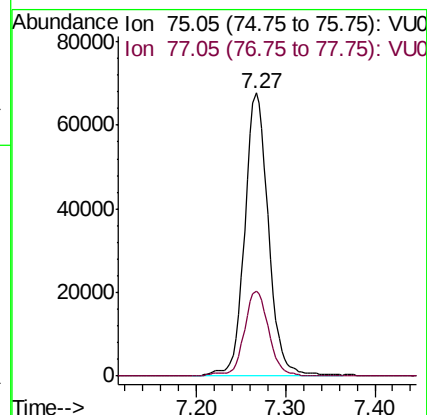
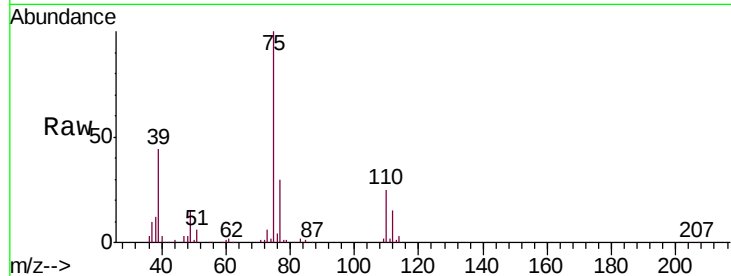




#39
 cis-1,3-Dichloropropene
 Concen: 4.819 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

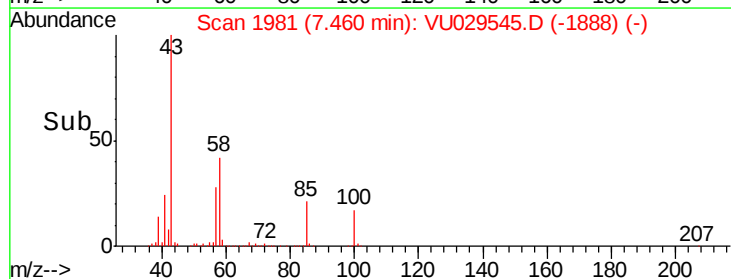
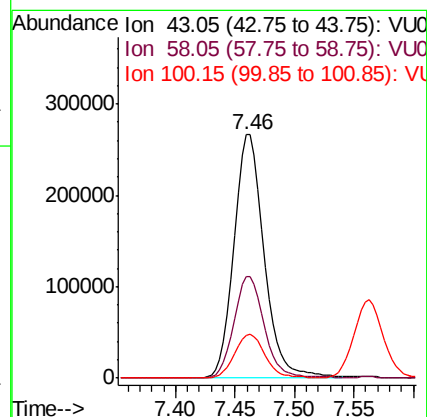
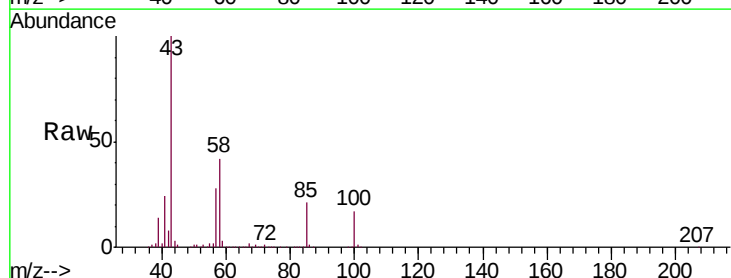
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

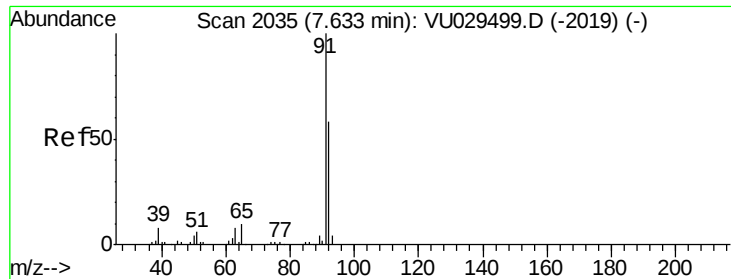
Tgt Ion: 75 Resp: 125520
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 49.318 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Tgt Ion: 43 Resp: 470442
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.4 50.2
 100 18.2 14.4 21.6





#42

Toluene

Concen: 4.965 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

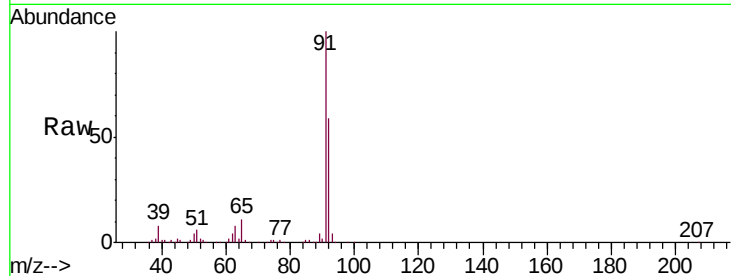
VSTD00542

Tgt Ion: 91 Resp: 368179

Ion Ratio Lower Upper

91 100

92 58.6 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.63

200000

150000

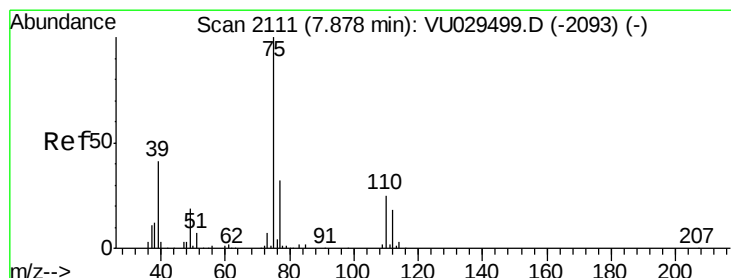
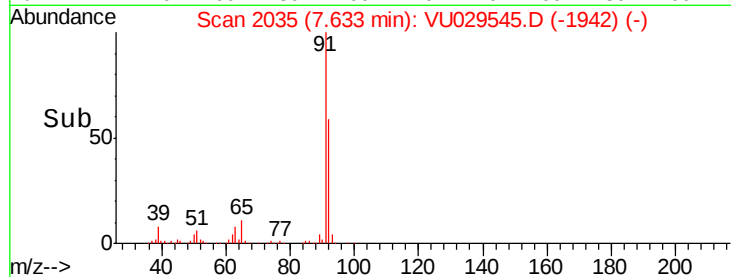
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.686 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029545.D

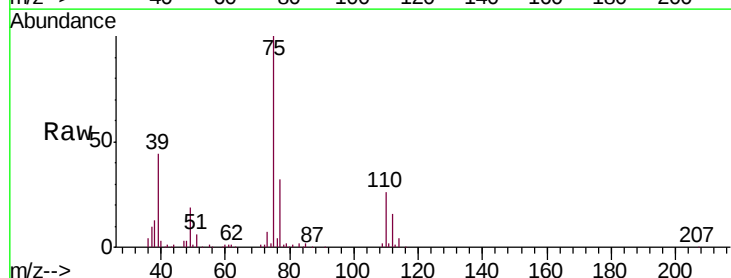
Acq: 19 Feb 2019 11:05

Tgt Ion: 75 Resp: 100224

Ion Ratio Lower Upper

75 100

77 32.5 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

60000

50000

40000

30000

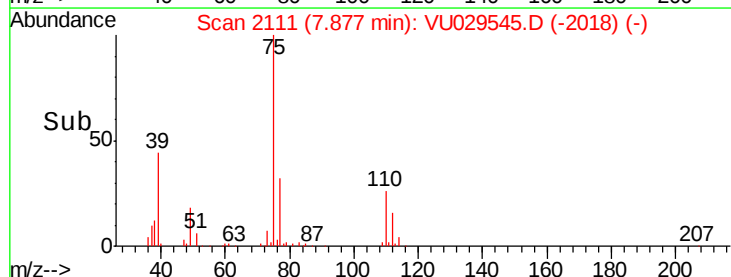
20000

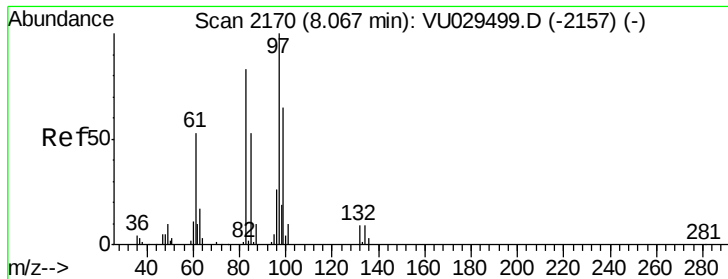
10000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.013 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

Tgt Ion: 97 Resp: 63545

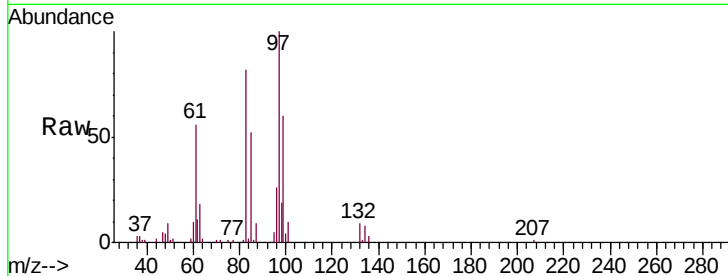
Ion Ratio Lower Upper

97 100

99 59.8 41.6 77.2

83 81.8 55.8 103.6

85 51.5 37.2 69.0

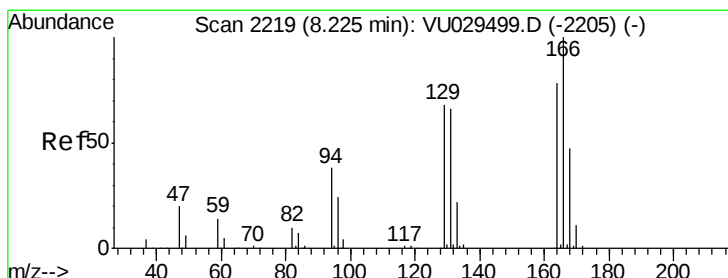
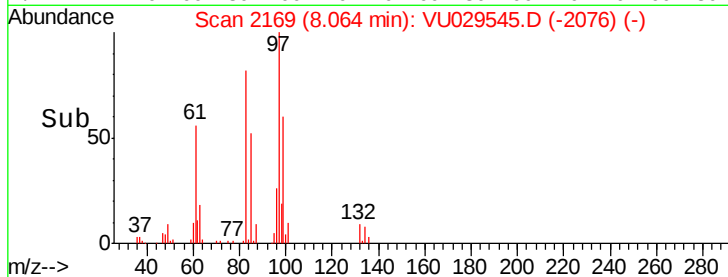
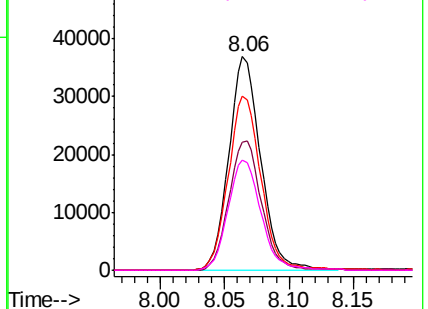


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.893 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Tgt Ion: 164 Resp: 83266

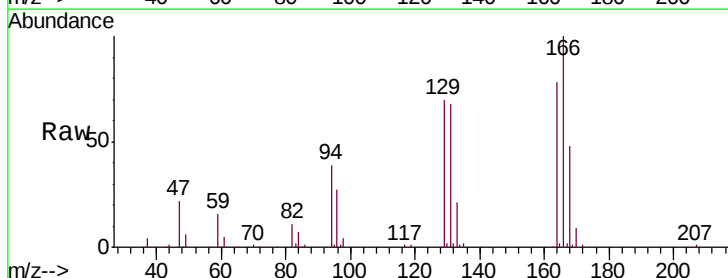
Ion Ratio Lower Upper

164 100

129 89.0 62.9 116.9

131 86.5 62.1 115.3

166 128.1 89.8 166.8

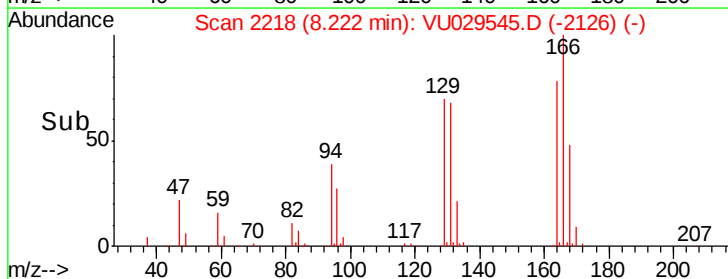
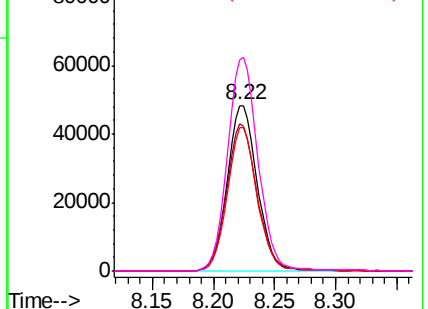


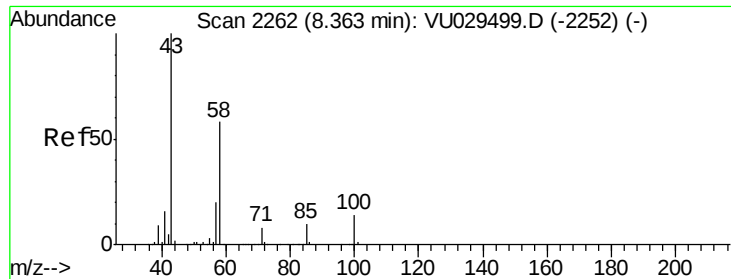
Abundance Ion 163.90 (163.60 to 164.60): V

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

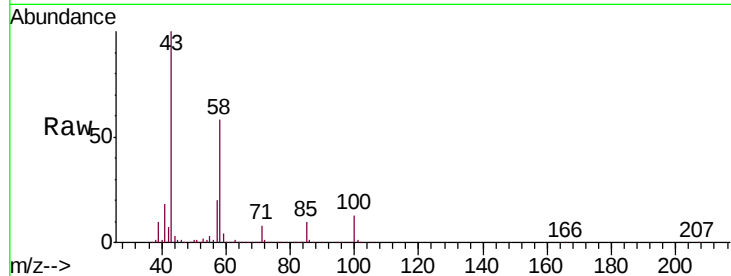




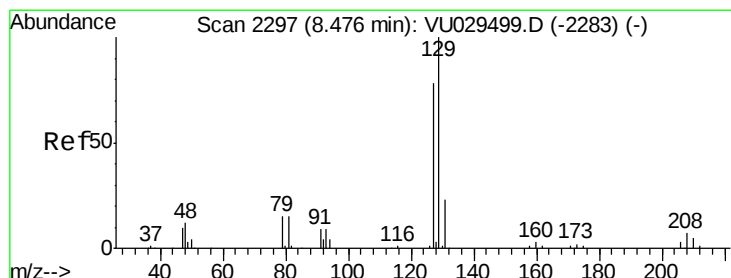
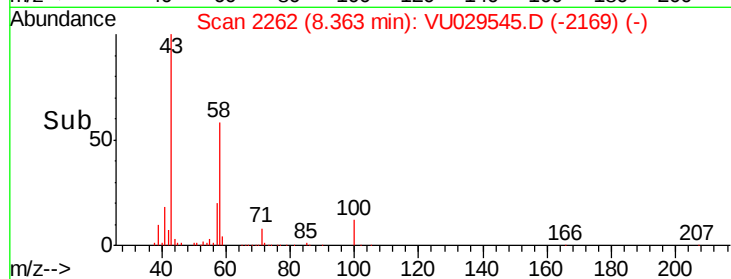
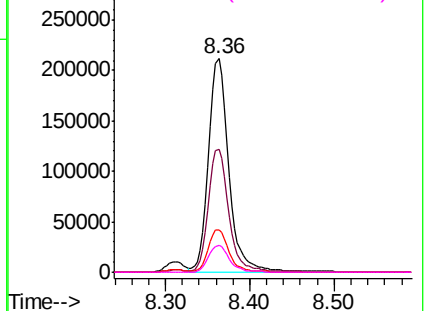
#48
2-Hexanone
Concen: 50.770 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029545.D
Acq: 19 Feb 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Tgt Ion:	43	Resp:	352965
Ion	Ratio	Lower	Upper
43	100		
58	57.9	45.7	68.5
57	20.4	16.4	24.6
100	13.2	11.1	16.7

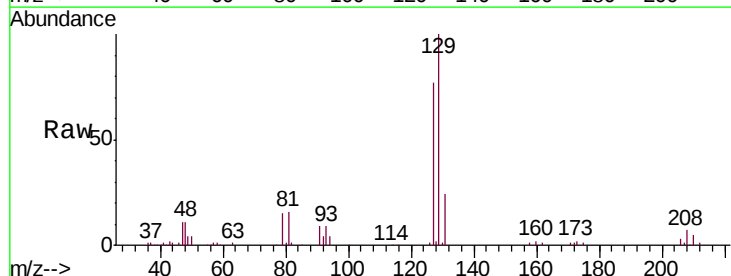


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

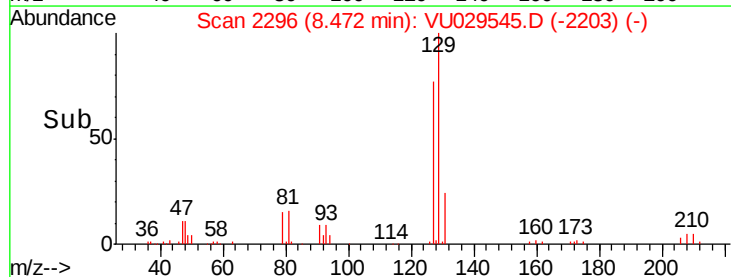
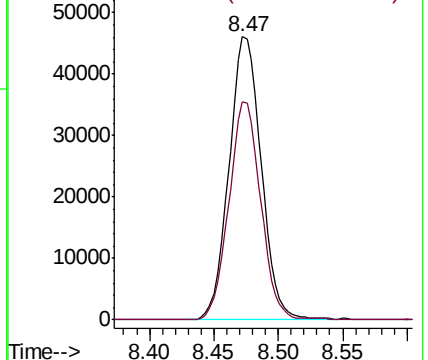


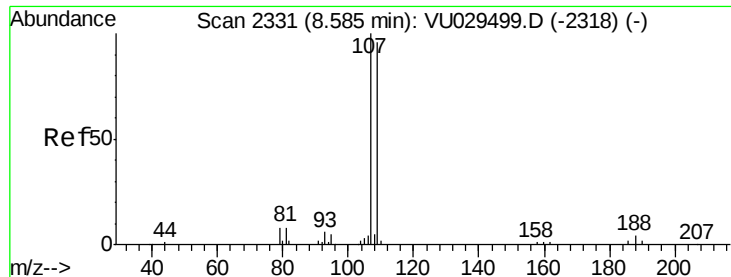
#49
Dibromochloromethane
Concen: 4.678 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029545.D
Acq: 19 Feb 2019 11:05

Tgt Ion:	129	Resp:	79916
Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.3	99.1



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

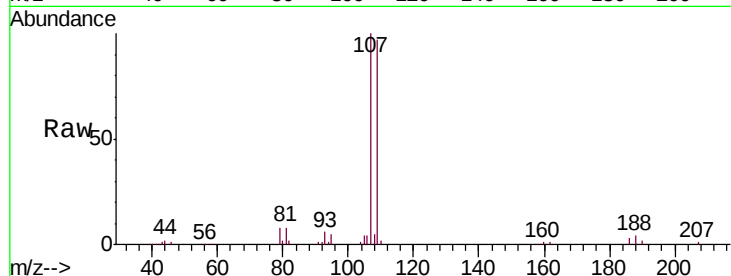




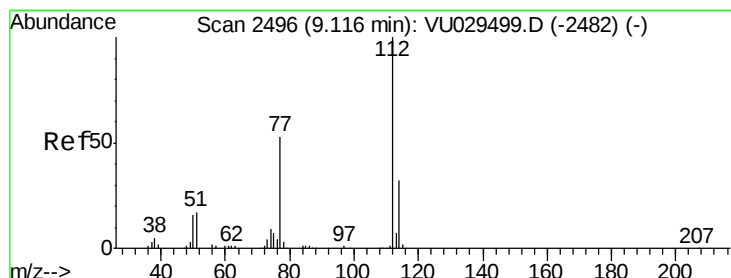
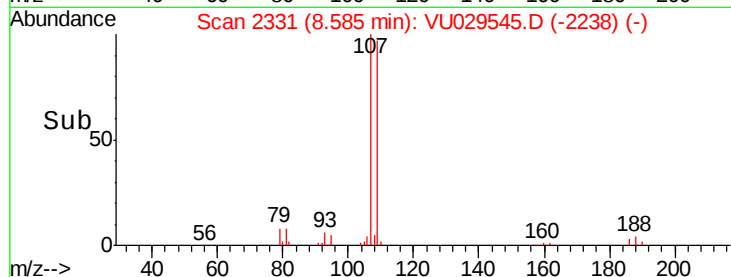
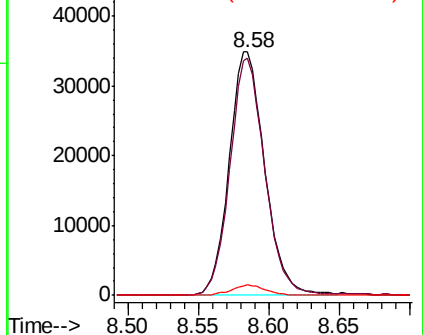
#50
1,2-Dibromoethane
Concen: 4.910 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029545.D
Acq: 19 Feb 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Tgt Ion:107 Resp: 61599
Ion Ratio Lower Upper
107 100
109 97.4 64.1 119.1
188 4.2 3.7 5.5

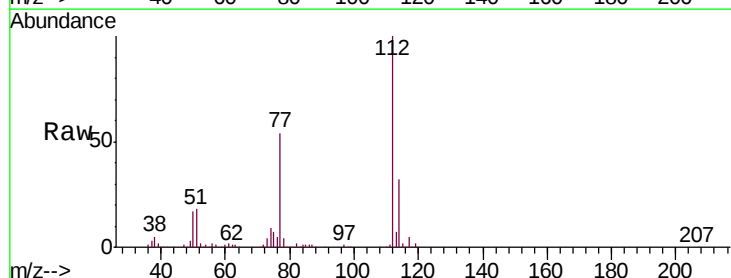


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

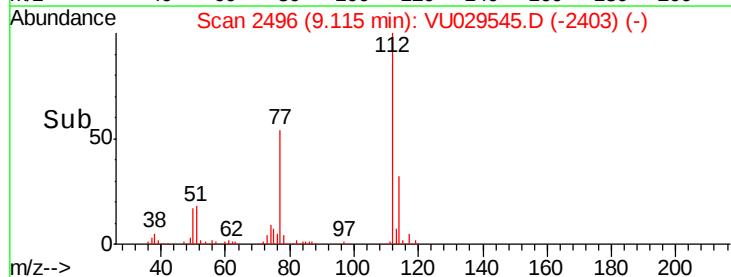
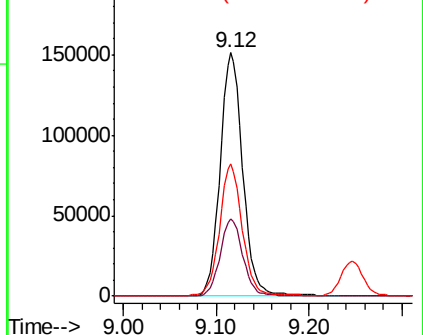


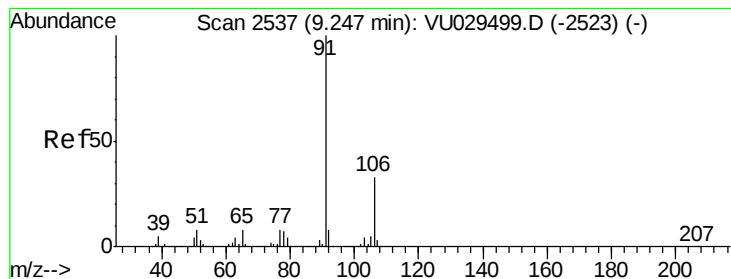
#51
Chlorobenzene
Concen: 5.012 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029545.D
Acq: 19 Feb 2019 11:05

Tgt Ion:112 Resp: 255622
Ion Ratio Lower Upper
112 100
114 31.8 22.9 42.5
77 54.3 41.8 62.6



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: 5.016 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

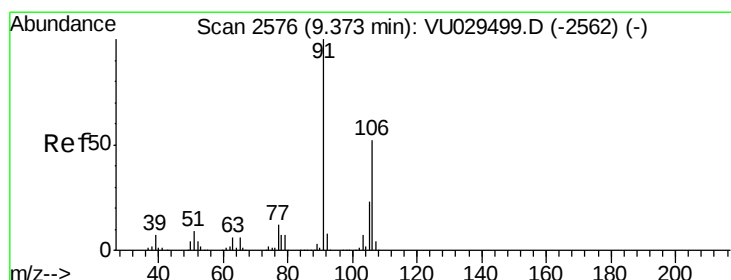
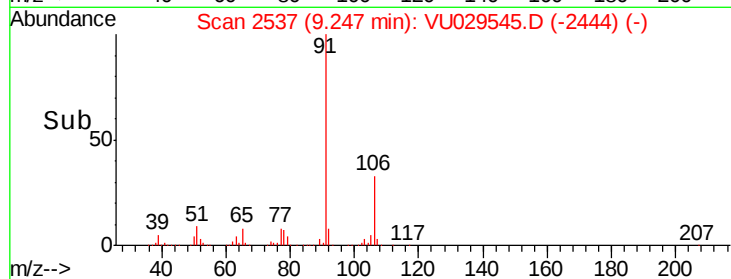
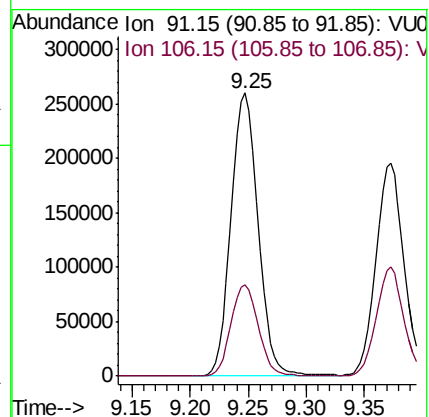
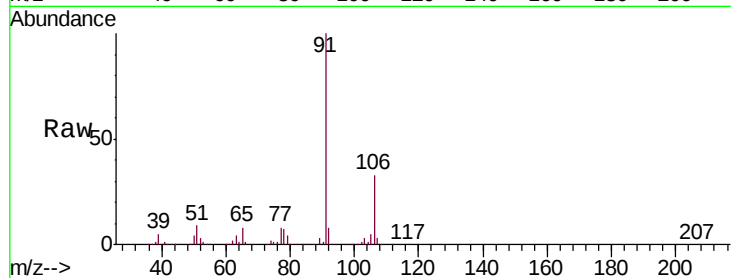
VSTD00542

Tgt Ion: 91 Resp: 421172

Ion Ratio Lower Upper

91 100

106 32.5 22.8 42.4



#53

m,p-xylene

Concen: 4.919 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029545.D

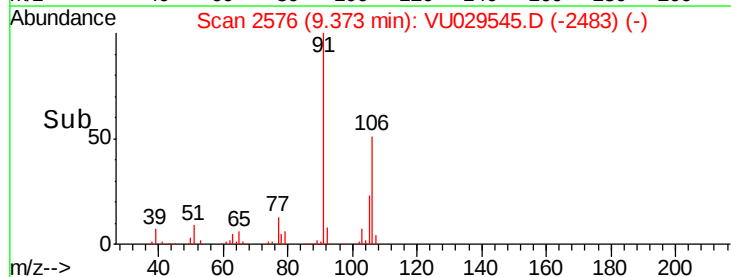
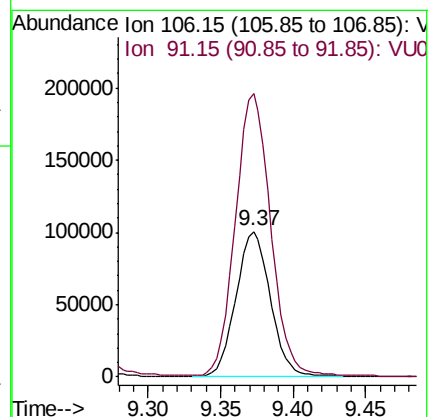
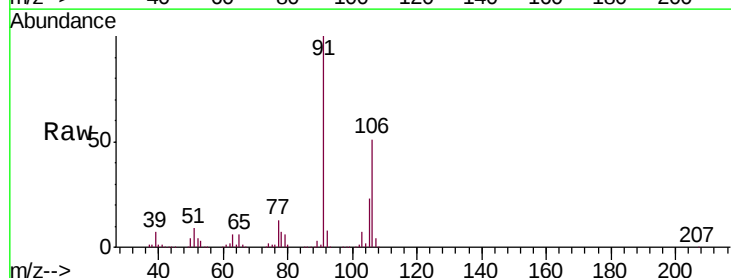
Acq: 19 Feb 2019 11:05

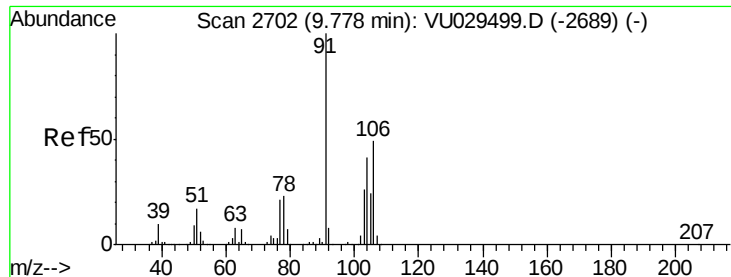
Tgt Ion: 106 Resp: 164724

Ion Ratio Lower Upper

106 100

91 194.4 135.7 251.9





#54

o-xylene

Concen: 4.974 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

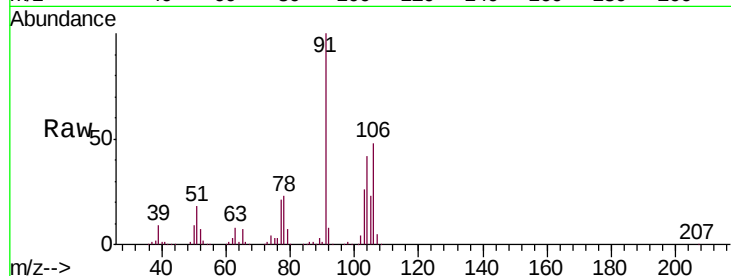
VSTD00542

Tgt Ion:106 Resp: 163467

Ion Ratio Lower Upper

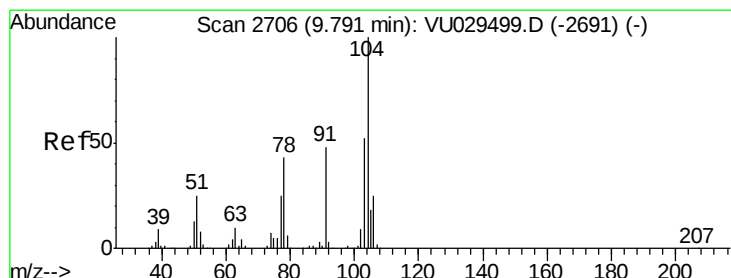
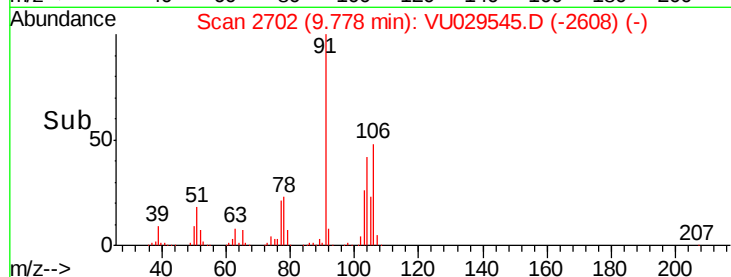
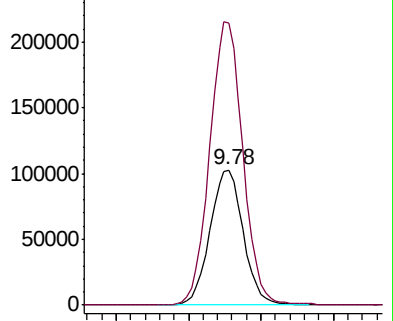
106 100

91 209.0 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.079 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029545.D

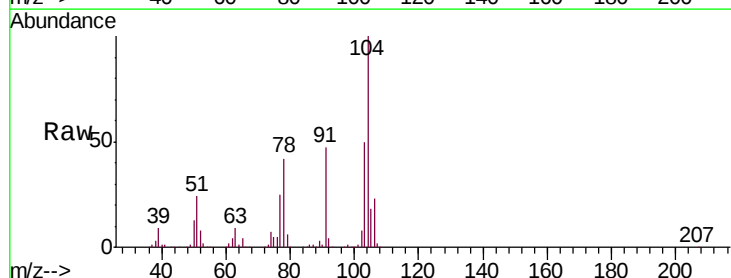
Acq: 19 Feb 2019 11:05

Tgt Ion:104 Resp: 277098

Ion Ratio Lower Upper

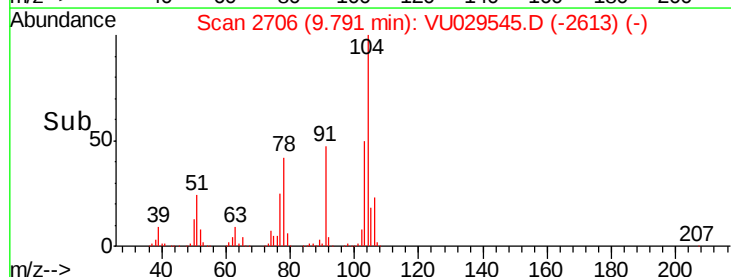
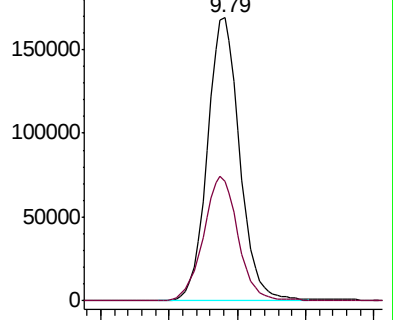
104 100

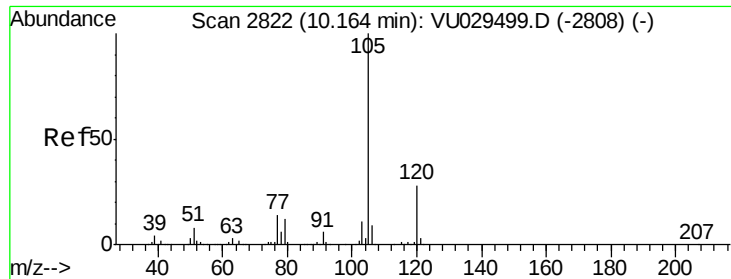
78 42.4 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.035 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

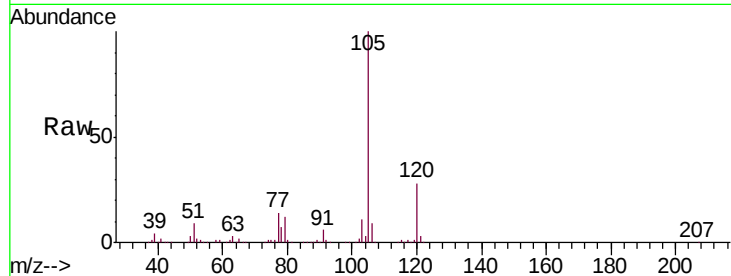
Tgt Ion: 105 Resp: 436417

Ion Ratio Lower Upper

105 100

120 27.3 22.2 33.4

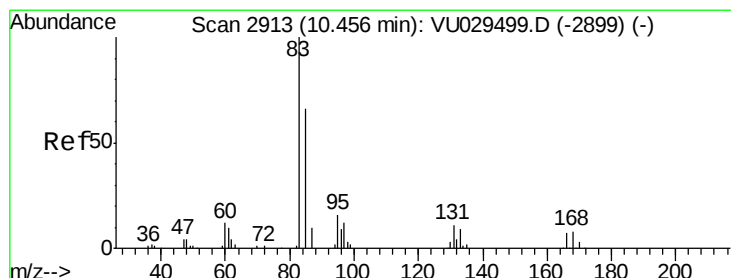
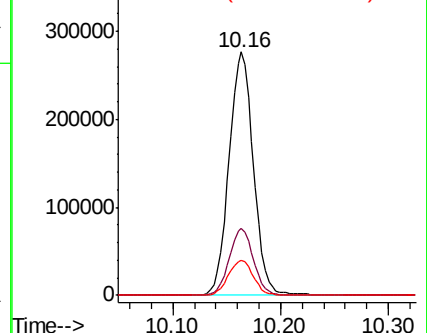
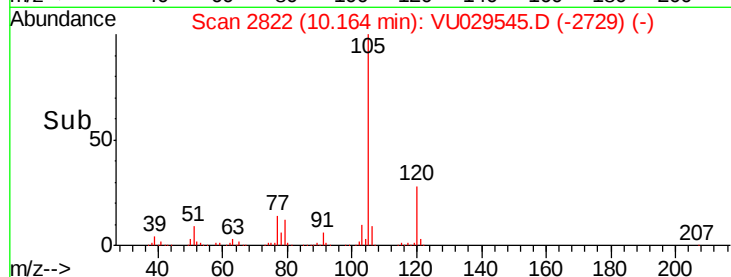
77 14.9 11.5 17.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.205 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

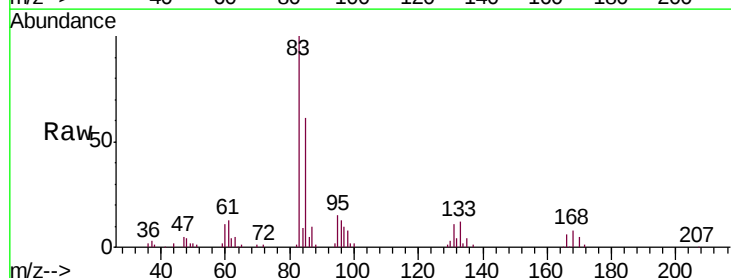
Tgt Ion: 83 Resp: 80523

Ion Ratio Lower Upper

83 100

85 61.4 46.5 86.3

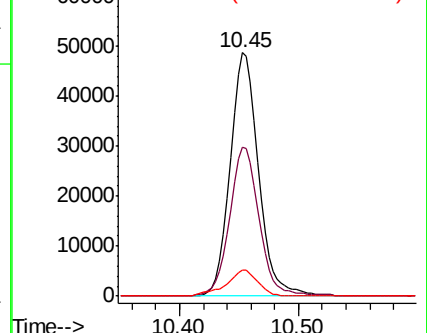
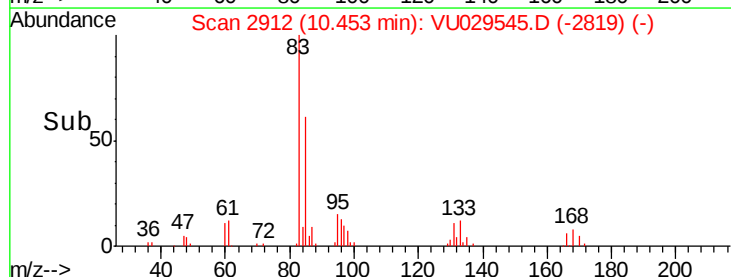
131 10.8 8.3 12.5

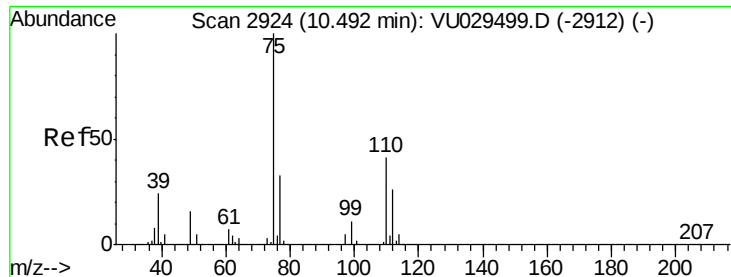


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

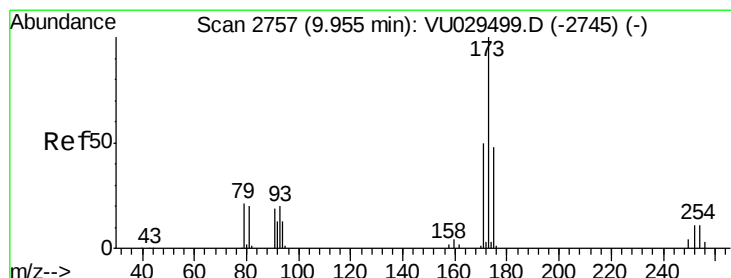
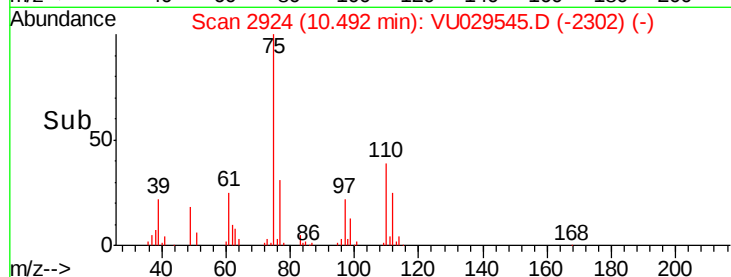
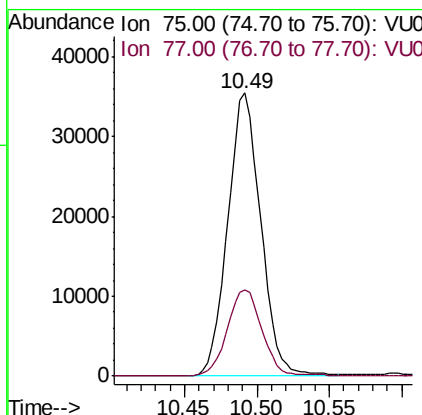
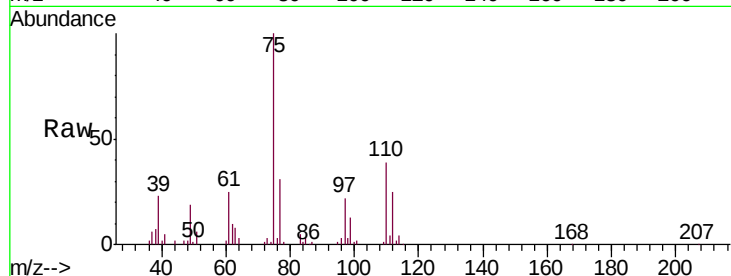




#59
 1,2,3-Trichloropropane
 Concen: 5.282 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

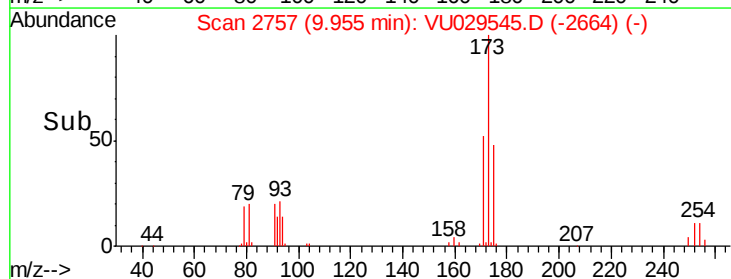
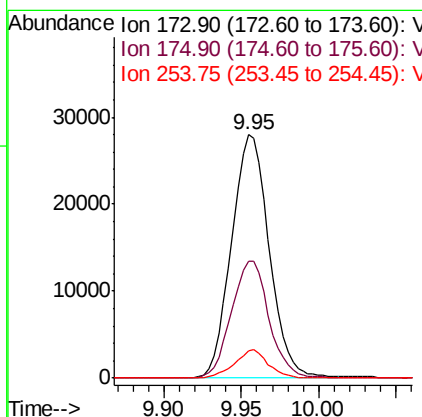
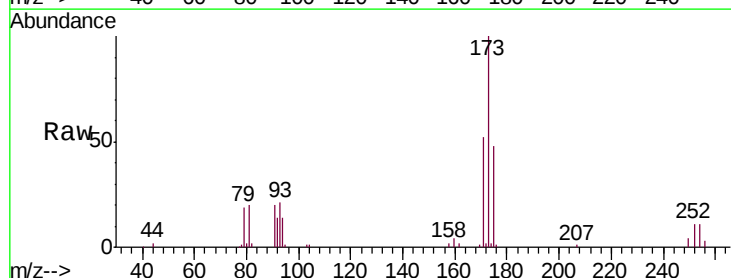
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

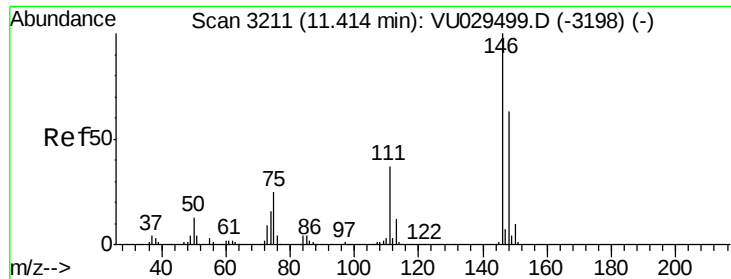
Tgt Ion: 75 Resp: 56071
 Ion Ratio Lower Upper
 75 100
 77 32.1 28.2 42.2



#61
 Bromoform
 Concen: 4.504 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Tgt Ion: 173 Resp: 47238
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.2 58.8
 254 10.3 7.8 11.6

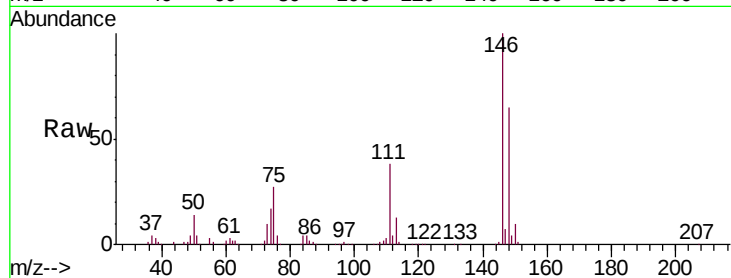




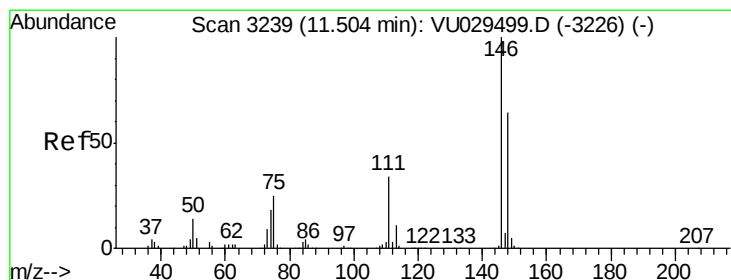
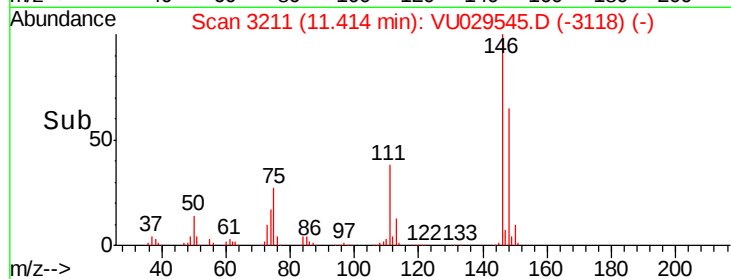
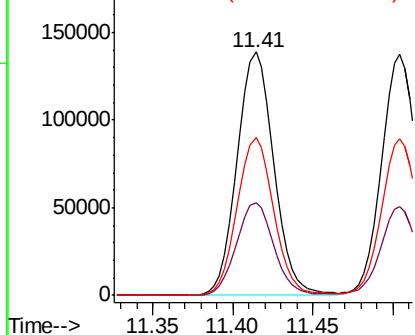
#62
 1,3-Dichlorobenzene
 Concen: 4.960 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion:146 Resp: 217712
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.1 48.5
 148 64.6 44.7 82.9

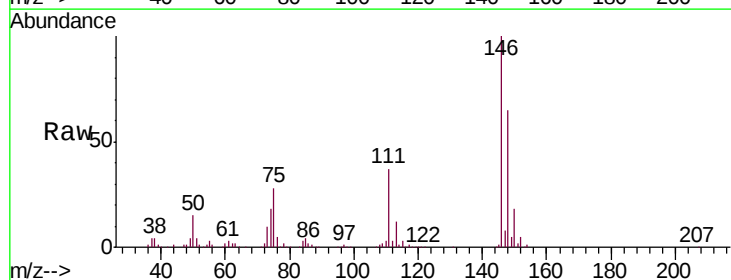


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

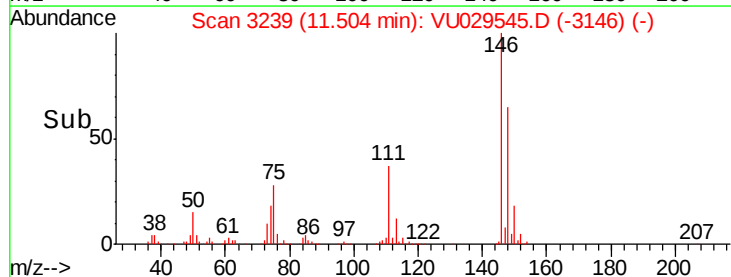
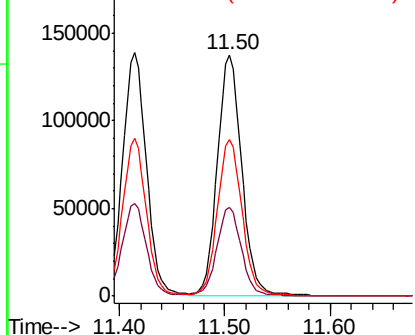


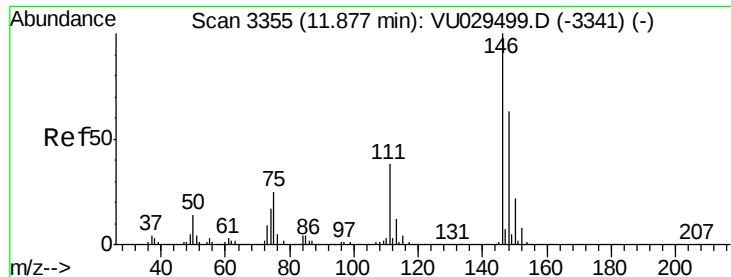
#63
 1,4-Dichlorobenzene
 Concen: 5.043 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Tgt Ion:146 Resp: 221062
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.6 47.6
 148 64.6 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.092 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

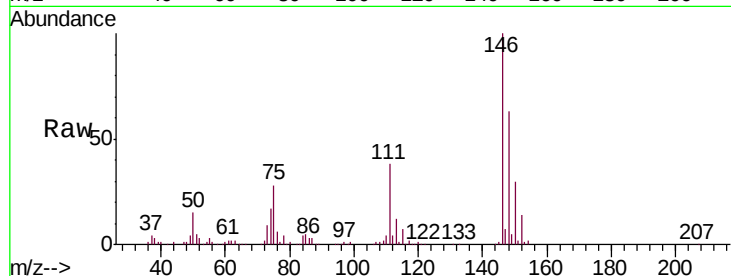
Tgt Ion:146 Resp: 210581

Ion Ratio Lower Upper

146 100

111 38.1 30.9 46.3

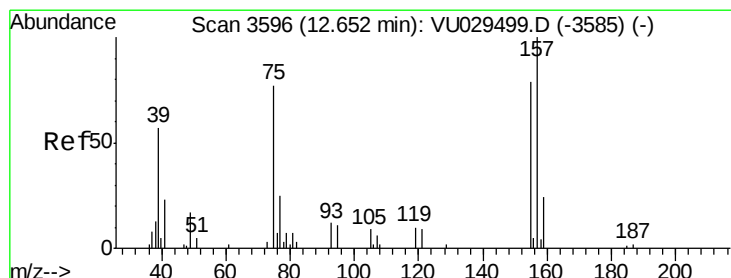
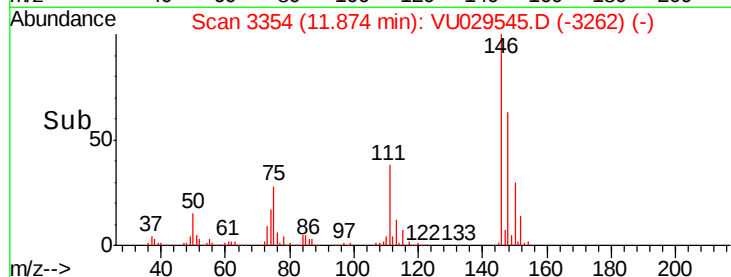
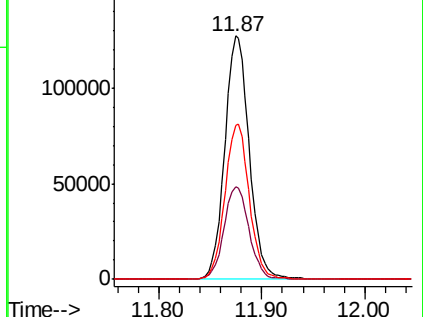
148 63.5 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.666 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

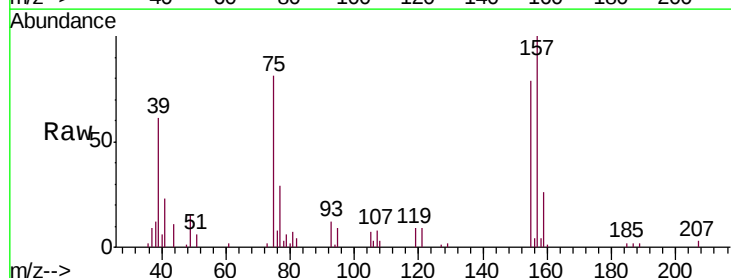
Tgt Ion: 75 Resp: 12072

Ion Ratio Lower Upper

75 100

155 96.6 75.3 112.9

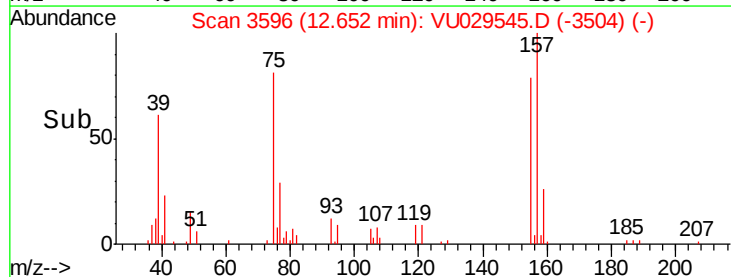
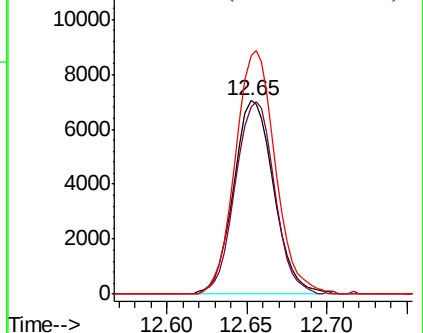
157 123.0 103.0 154.4

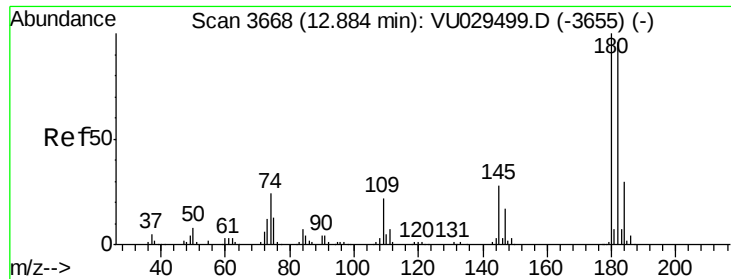


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

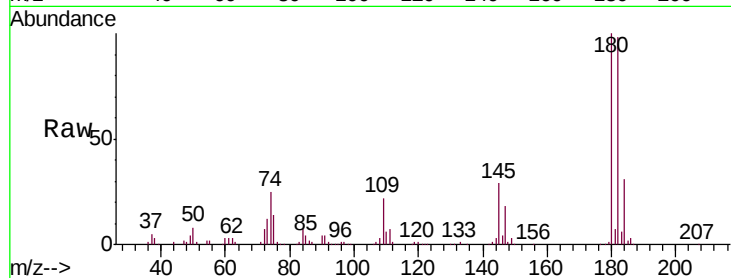




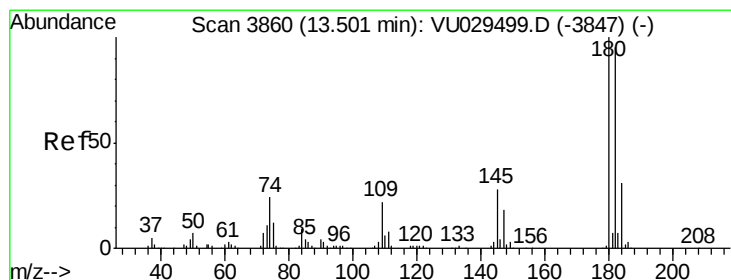
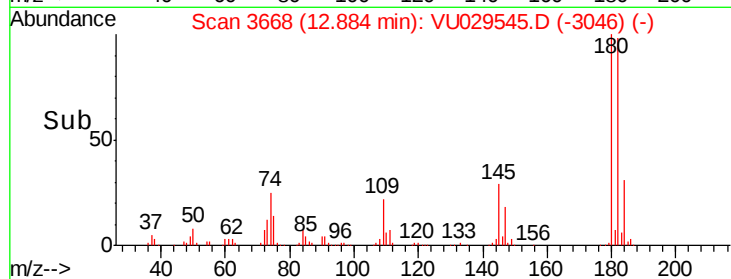
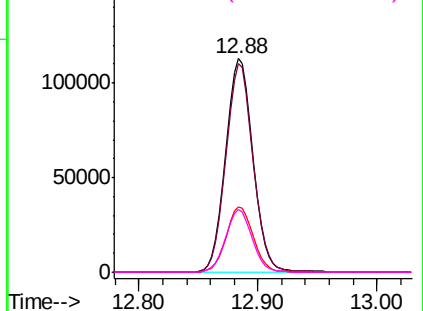
#67
 1,3,5-Trichlorobenzene
 Concen: 4.943 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.0	114.0
184	30.3	24.1	36.1
145	28.5	22.6	34.0

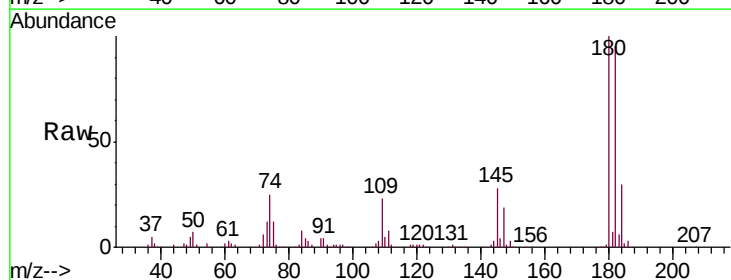


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

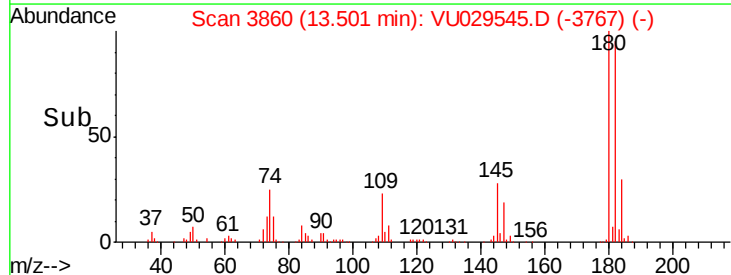
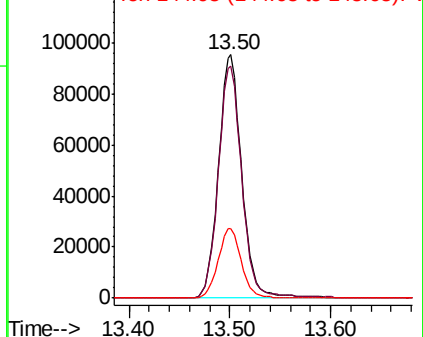


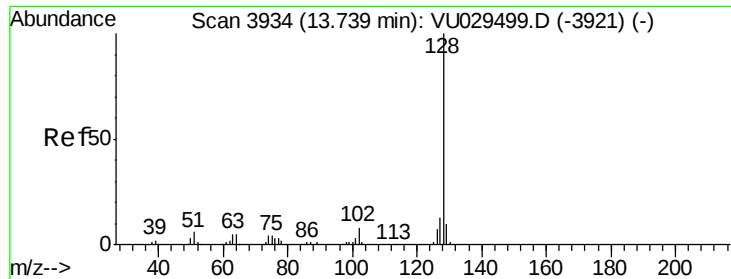
#68
 1,2,4-trichlorobenzene
 Concen: 5.012 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029545.D
 Acq: 19 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.1	115.7
145	28.6	23.1	34.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.719 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

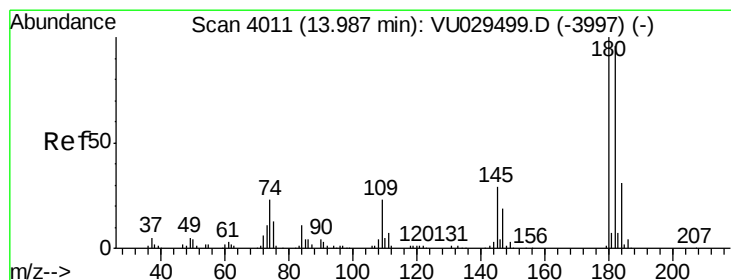
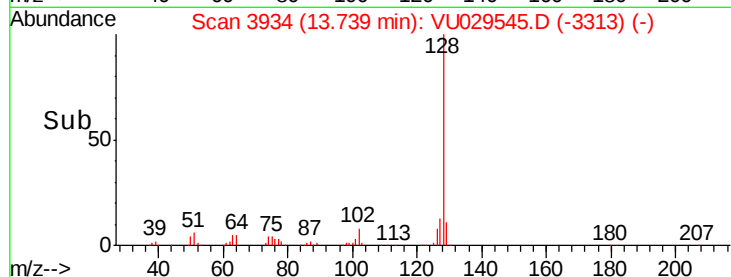
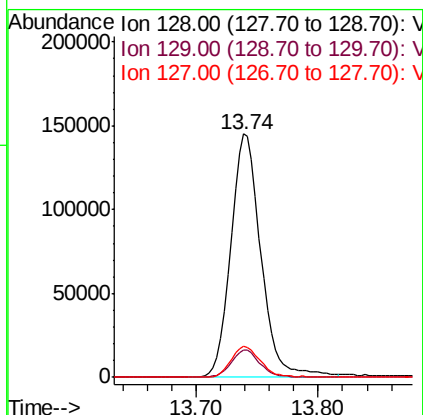
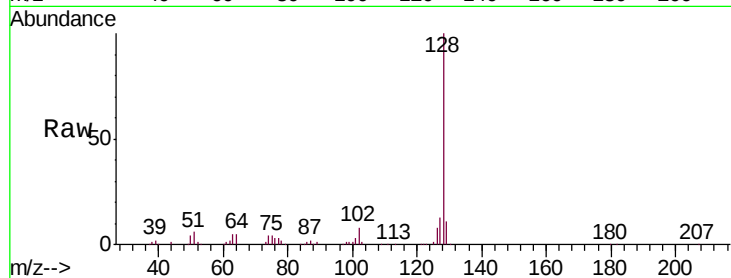
Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

Tgt Ion:	128	Resp:	249969
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.8	10.3	15.5



#70

1,2,3-Trichlorobenzene

Concen: 4.835 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029545.D

Acq: 19 Feb 2019 11:05

Tgt Ion:	180	Resp:	141793
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.9	113.9
145	29.9	23.8	35.6

