

Data File : VU029828.D
Acq On : 05 Mar 2019 18:38
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

Quant Time: Mar 06 02:54:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Mar 06 02:51:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	237238	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	234048	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	125774	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85401	5.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.20%
7) Chloroethane-d5	1.68	69	69608	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.27	63	154227	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	4.20	46	182866	52.20	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.40%
24) Chloroform-d	4.64	84	135056	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.31	65	71702	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.34	84	307079	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.33	67	90542	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.56	98	292364	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.85	79	34748	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.31	63	178458	50.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	76393	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	117577	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	93287	5.037	ug/L 100
3) Chloromethane	1.33	50	87805	5.486	ug/L 99
5) Vinyl chloride	1.40	62	101429	5.013	ug/L 96
6) Bromomethane	1.63	94	64635	5.770	ug/L 100
8) Chloroethane	1.70	64	60435	4.611	ug/L 99
9) Trichlorofluoromethane	1.88	101	137593	4.586	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	86398	4.667	ug/L 98
12) 1,1-Dichloroethene	2.28	96	79963	4.544	ug/L 95
13) Acetone	2.33	43	112787	44.817	ug/L 99
14) Carbon disulfide	2.48	76	248791	4.304	ug/L 98
15) Methyl Acetate	2.62	43	32342	4.405	ug/L 98
16) Methylene chloride	2.70	84	89062	4.279	ug/L 97
17) Methyl tert-butyl Ether	3.00	73	194356	4.619	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	87602	4.574	ug/L 99
19) 1,1-Dichloroethane	3.44	63	153059	5.133	ug/L 99
21) 2-Butanone	4.28	43	190802	54.642	ug/L 97
22) cis-1,2-Dichloroethene	4.22	96	91992	5.245	ug/L 97

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	41929	5.298	ug/L	94
25) Chloroform	4.67	83	164772	5.520	ug/L	99
27) 1,2-Dichloroethane	5.40	62	86950	4.932	ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	128149	5.267	ug/L	99
30) Cyclohexane	4.99	56	123016	5.109	ug/L	99
31) Carbon tetrachloride	5.13	117	109969	5.193	ug/L	98
33) Benzene	5.39	78	333699	5.395	ug/L	100
34) Trichloroethene	6.18	95	89431	5.179	ug/L	97
35) Methylcyclohexane	6.41	83	142596	5.092	ug/L	98
37) 1,2-Dichloropropane	6.43	63	84201	5.404	ug/L	100
38) Bromodichloromethane	6.76	83	102915	5.291	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	120402	5.279	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	464188	53.006	ug/L	100
42) Toluene	7.63	91	366817	5.229	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	98995	5.408	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	63463	5.201	ug/L	98
47) Tetrachloroethene	8.22	164	78120	4.872	ug/L	99
48) 2-Hexanone	8.36	43	330408	51.589	ug/L	98
49) Dibromochloromethane	8.47	129	76562	5.180	ug/L	96
50) 1,2-Dibromoethane	8.59	107	62293	5.215	ug/L	99
51) Chlorobenzene	9.12	112	247295	5.131	ug/L	99
52) Ethylbenzene	9.25	91	393205	5.011	ug/L	98
53) m,p-xylene	9.37	106	156609	4.978	ug/L	99
54) o-xylene	9.77	106	151950	5.016	ug/L	98
55) Styrene	9.79	104	258357	5.106	ug/L	97
56) Isopropylbenzene	10.16	105	405221	4.985	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	79168	5.264	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	53860	5.176	ug/L	100
61) Bromoform	9.95	173	44152	5.293	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	197746	4.952	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	202128	4.991	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	194249	5.039	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	11681	5.154	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	154875	4.816	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	132629	4.881	ug/L	100
69) Naphthalene	13.74	128	209975	4.998	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	125072	4.915	ug/L	99

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

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ALS Vial      : 9      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

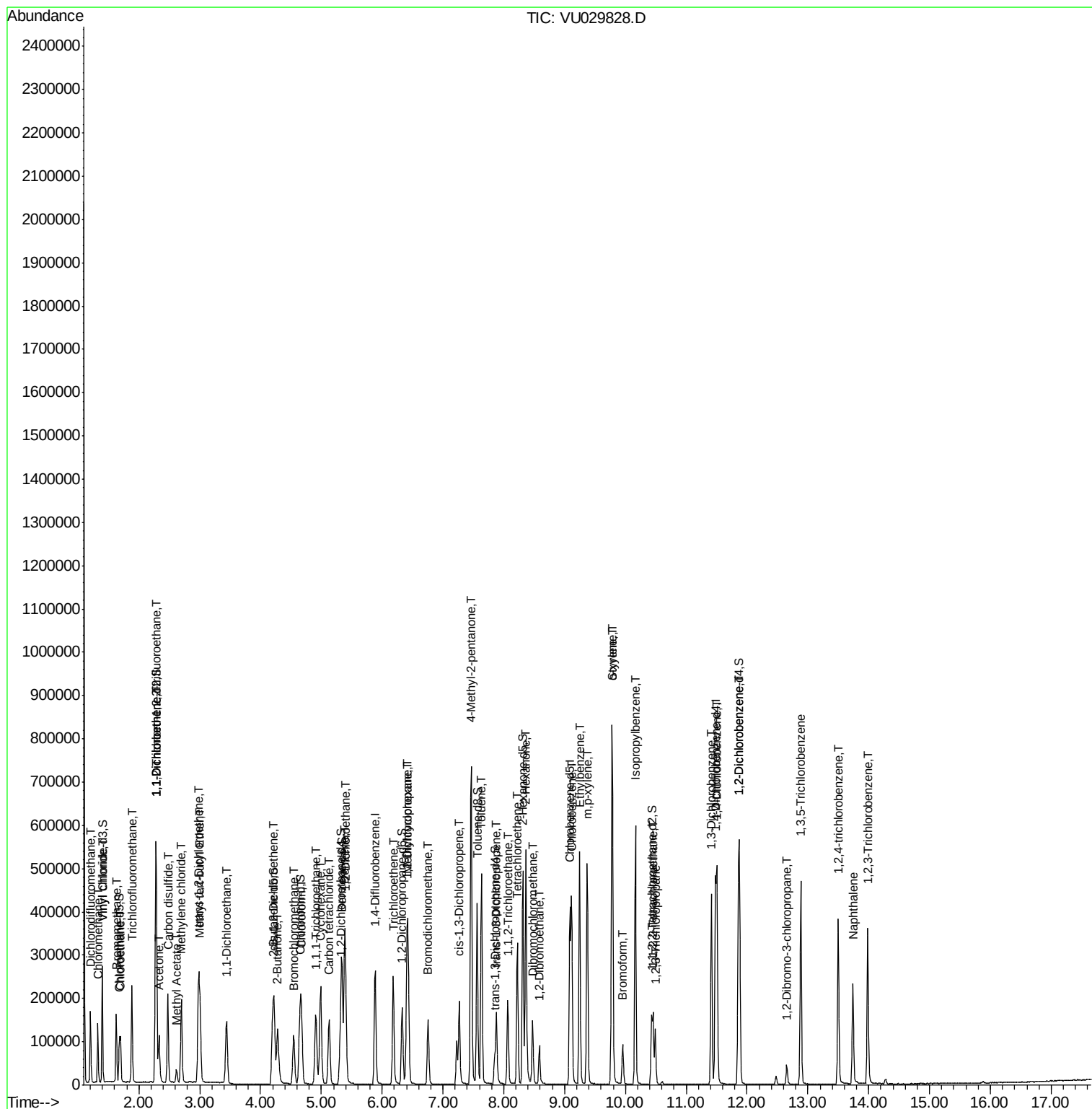
Quant Time: Mar 06 02:54:45 2019

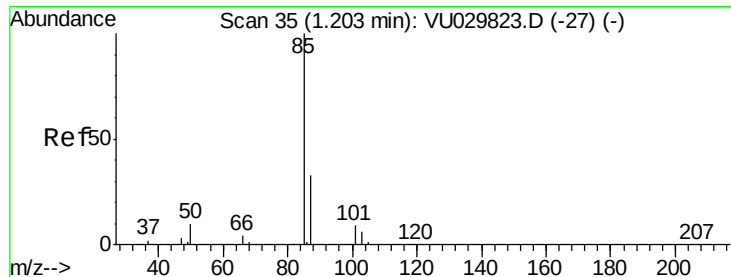
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR022119WMA.M

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#2

Dichlorodifluoromethane

Concen: 5.037 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

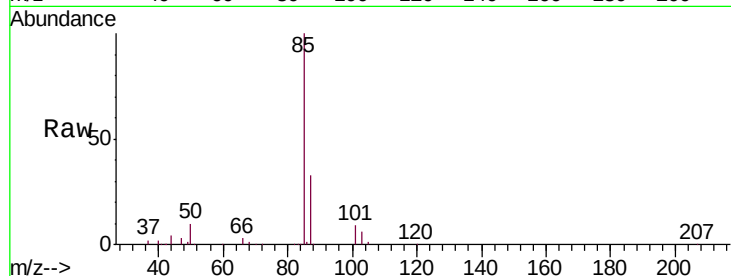
VSTD00547

Tgt Ion: 85 Resp: 93287

Ion Ratio Lower Upper

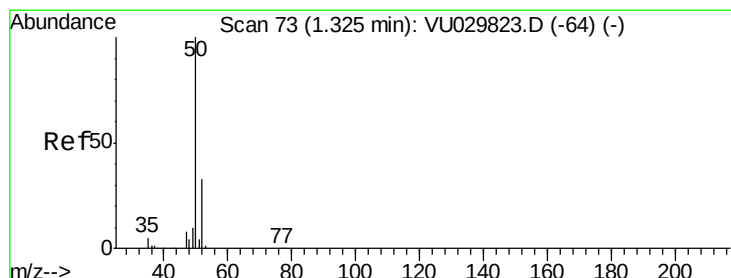
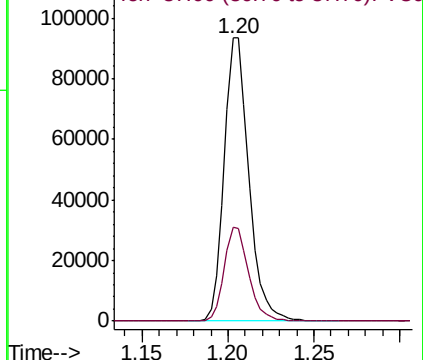
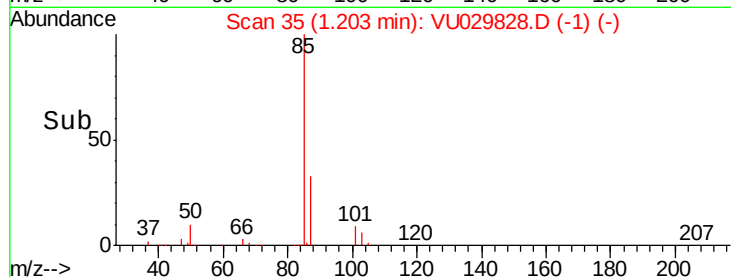
85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU029828.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU029828.D (-1) (-)



#3

Chloromethane

Concen: 5.486 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029828.D

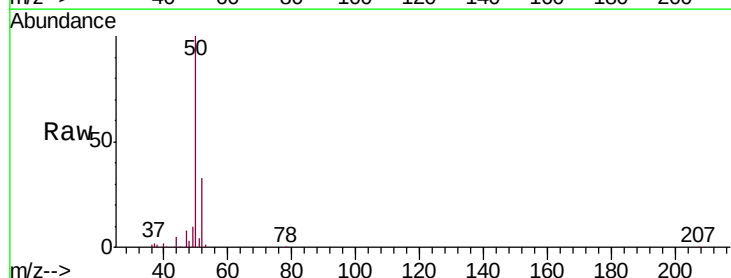
Acq: 05 Mar 2019 18:38

Tgt Ion: 50 Resp: 87805

Ion Ratio Lower Upper

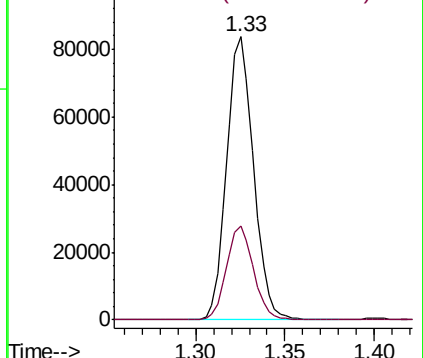
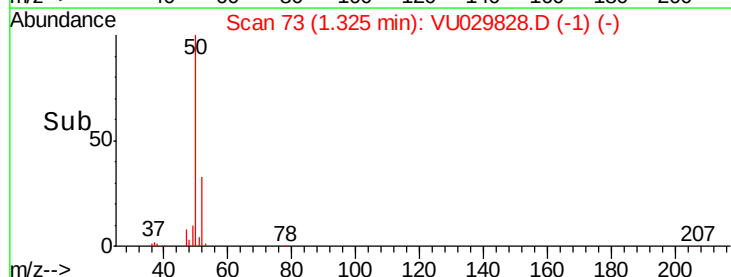
50 100

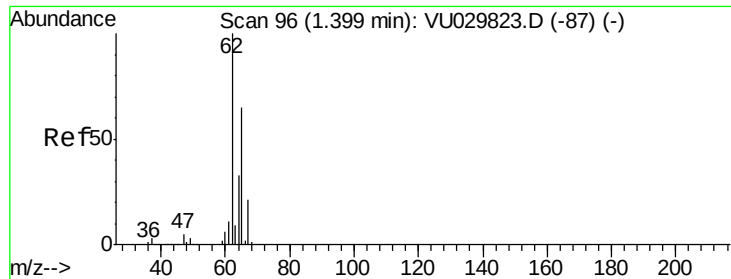
52 33.2 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU029828.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU029828.D (-1) (-)





#5

Vinyl chloride

Concen: 5.013 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

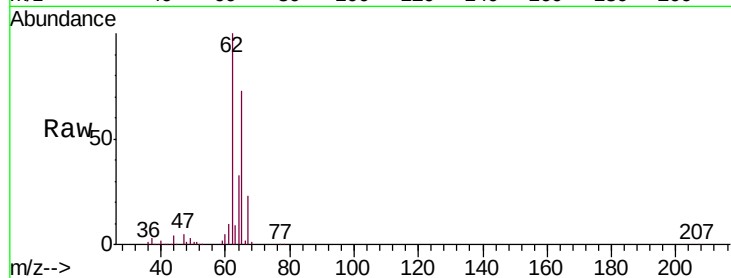
VSTD00547

Tgt Ion: 62 Resp: 101429

Ion Ratio Lower Upper

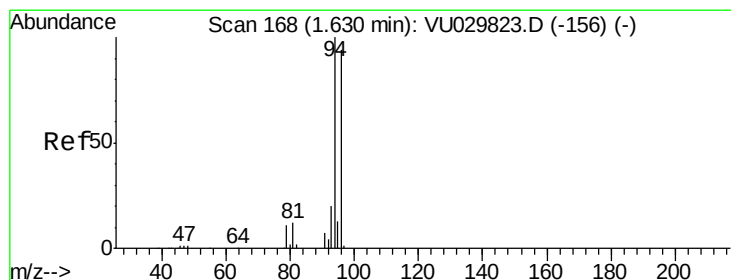
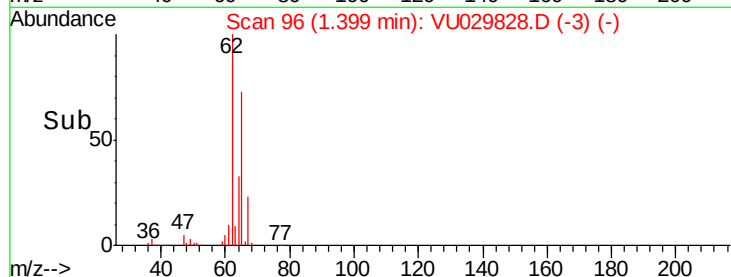
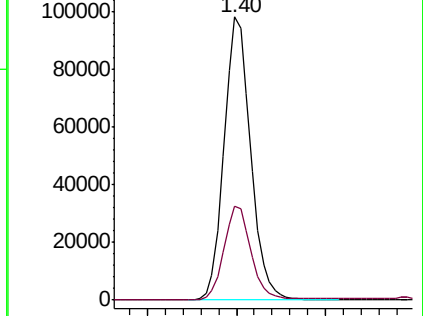
62 100

64 33.1 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.770 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029828.D

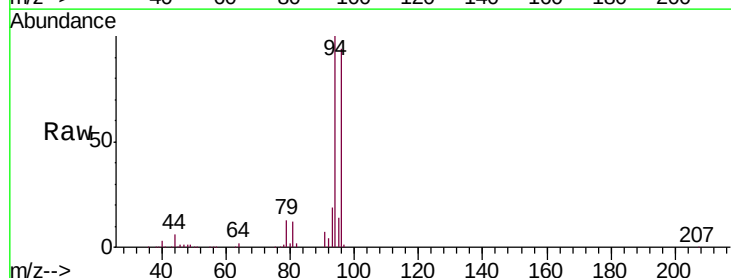
Acq: 05 Mar 2019 18:38

Tgt Ion: 94 Resp: 64635

Ion Ratio Lower Upper

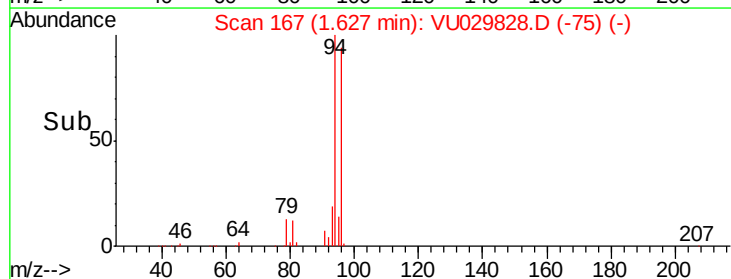
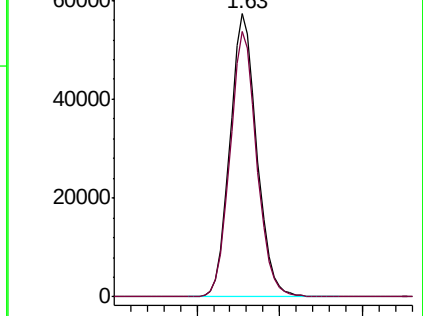
94 100

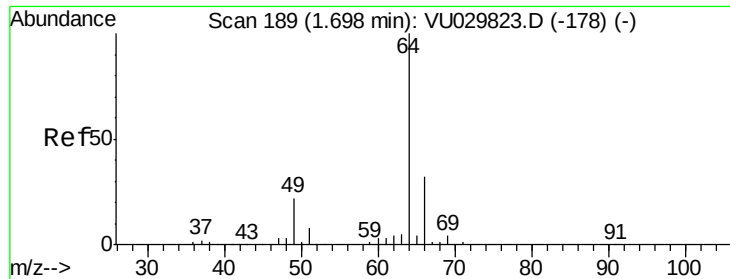
96 94.0 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

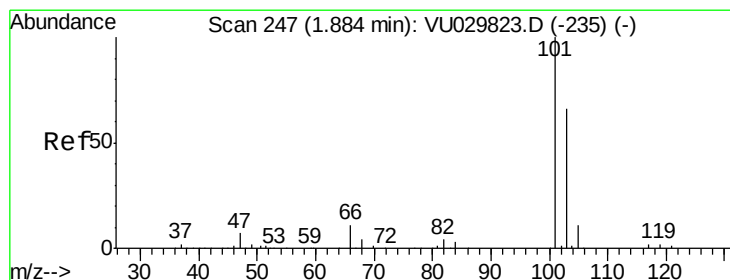
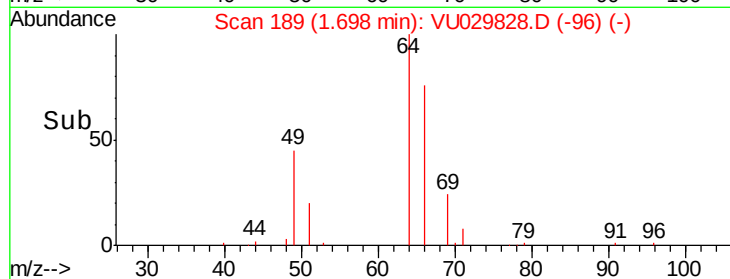
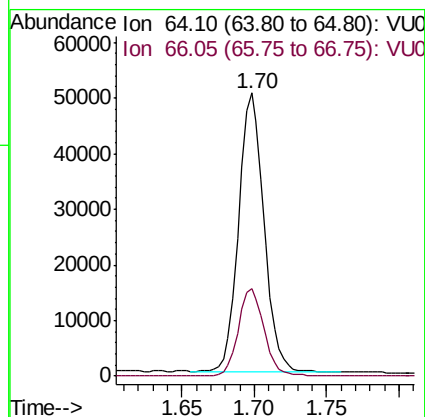
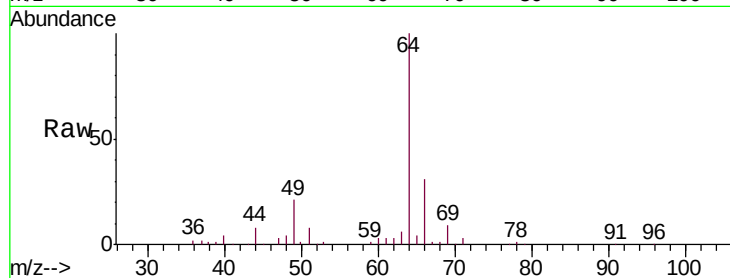




#8
Chloroethane
Concen: 4.611 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029828.D
Acq: 05 Mar 2019 18:38

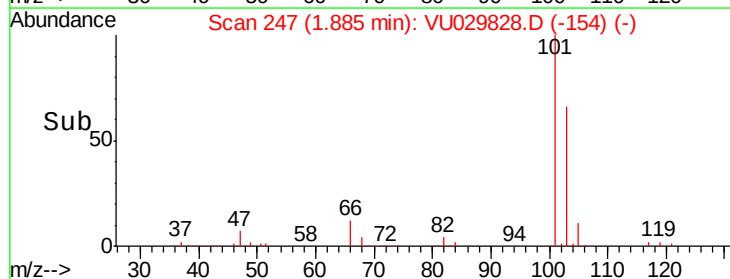
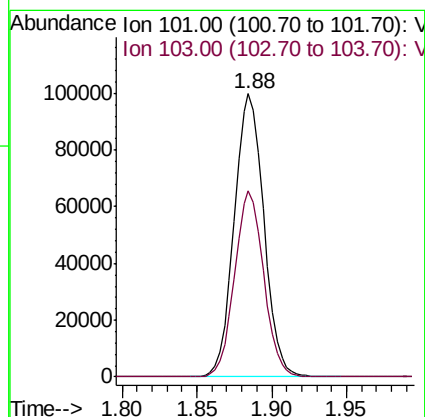
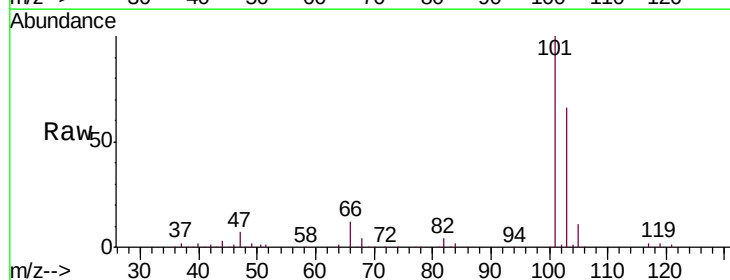
Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

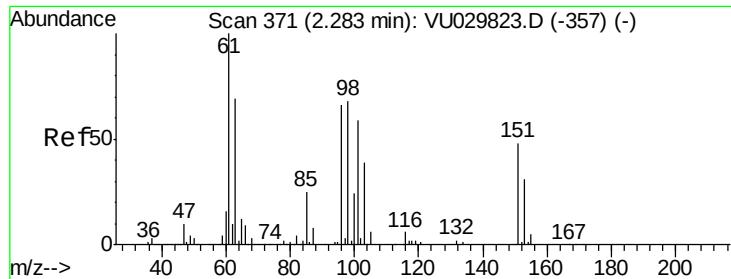
Tgt Ion: 64 Resp: 60435
Ion Ratio Lower Upper
64 100
66 30.9 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.586 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029828.D
Acq: 05 Mar 2019 18:38

Tgt Ion: 101 Resp: 137593
Ion Ratio Lower Upper
101 100
103 64.6 52.5 78.7





#10

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

Concen: 4.667 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

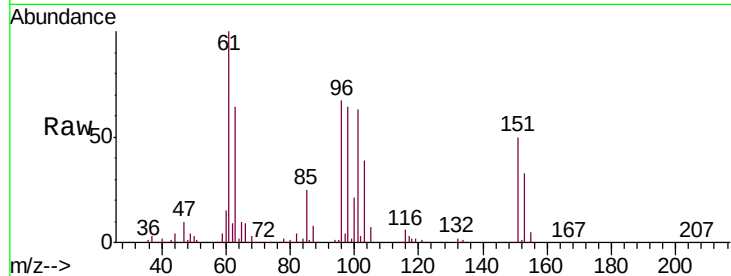
Tgt Ion: 101 Resp: 86398

Ion Ratio Lower Upper

101 100

85 40.6 32.8 49.2

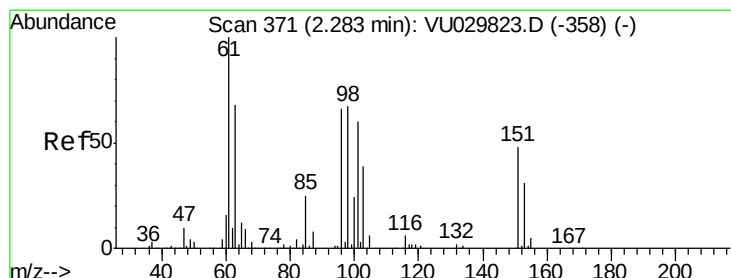
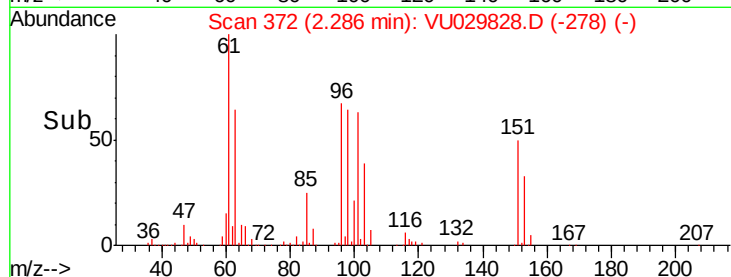
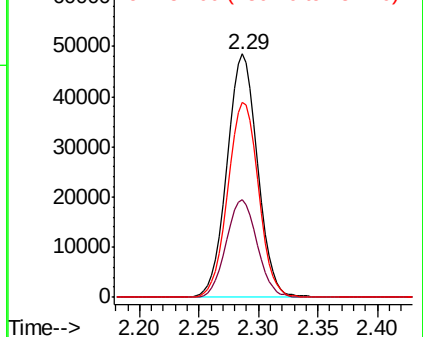
151 80.5 65.9 98.9



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: 4.544 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

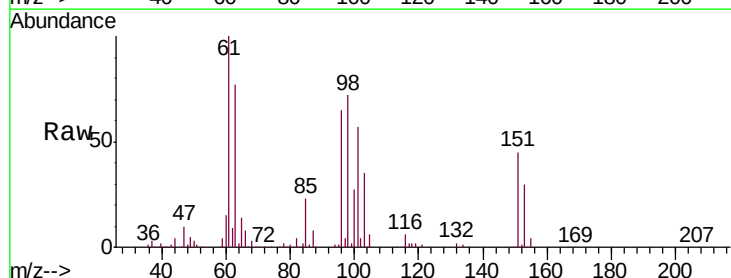
Tgt Ion: 96 Resp: 79963

Ion Ratio Lower Upper

96 100

61 154.1 111.3 206.7

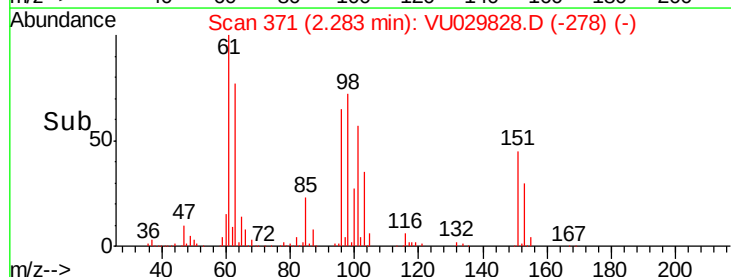
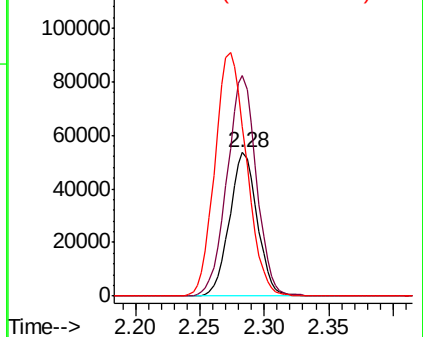
63 118.7 88.5 164.3

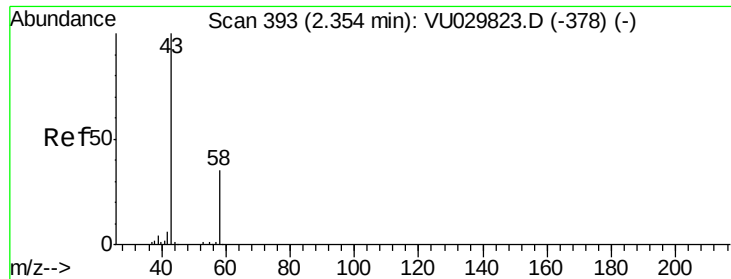


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.817 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.02 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

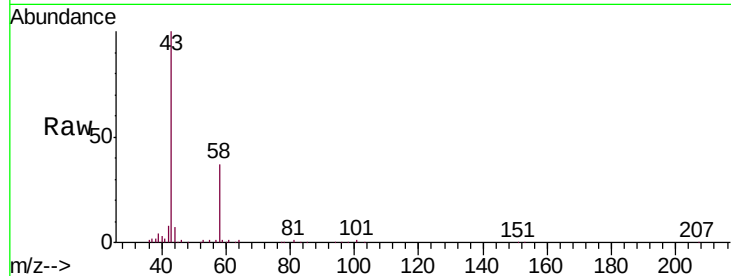
VSTD00547

Tgt Ion: 43 Resp: 112787

Ion Ratio Lower Upper

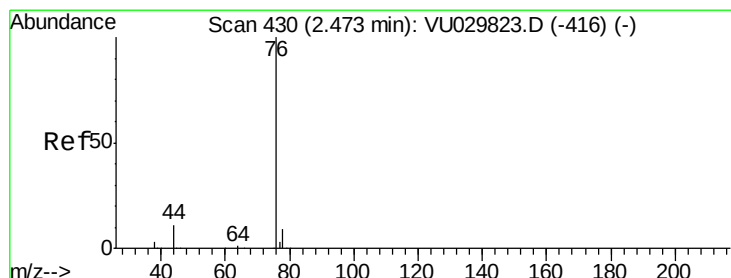
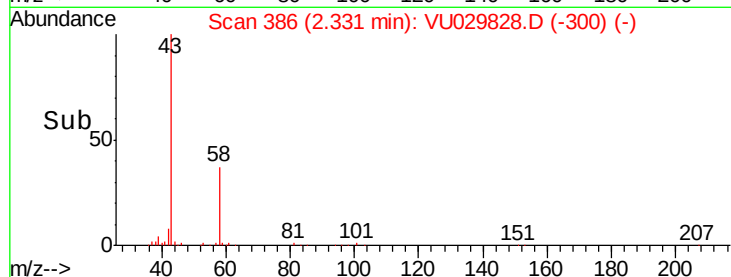
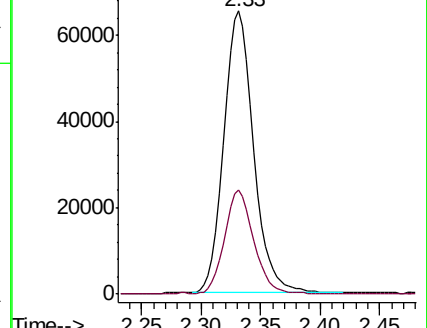
43 100

58 35.5 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU029823.D (-378) (-)

Ion 58.05 (57.75 to 58.75): VU029823.D (-378) (-)



#14

Carbon disulfide

Concen: 4.304 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029828.D

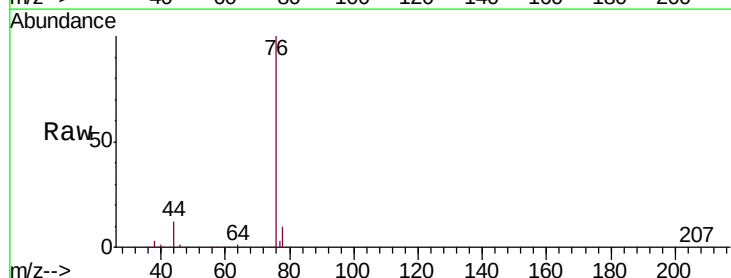
Acq: 05 Mar 2019 18:38

Tgt Ion: 76 Resp: 248791

Ion Ratio Lower Upper

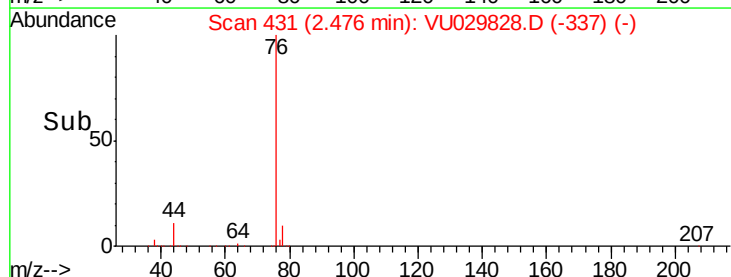
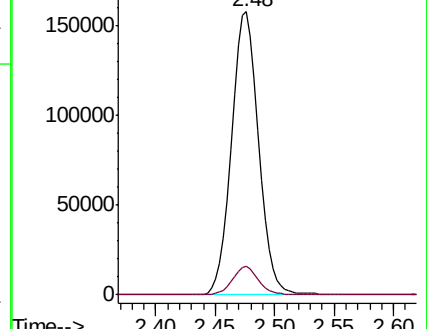
76 100

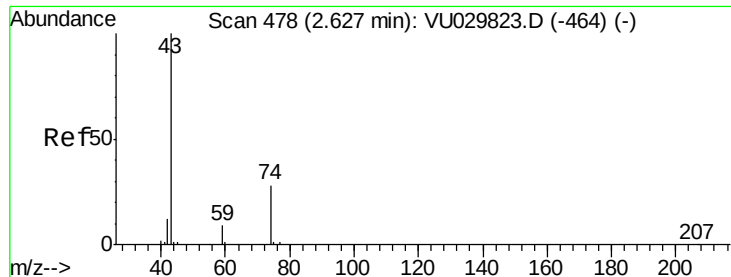
78 10.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU029823.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU029823.D (-416) (-)





#15

Methyl Acetate

Concen: 4.405 ug/L

RT: 2.62 min Scan# 476

Delta R.T. -0.01 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

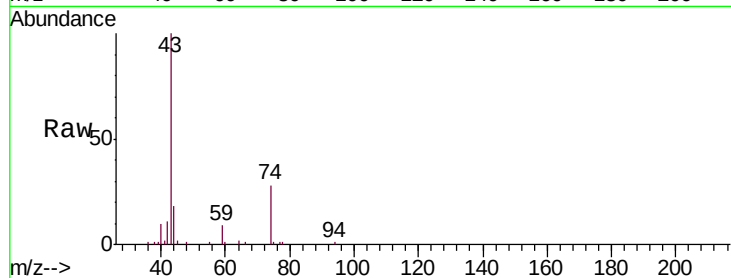
VSTD00547

Tgt Ion: 43 Resp: 32342

Ion Ratio Lower Upper

43 100

74 27.9 21.6 32.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.62

20000

15000

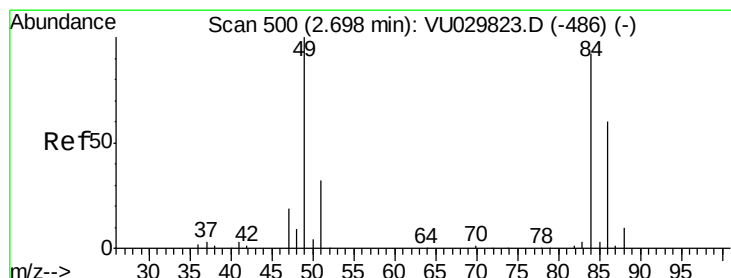
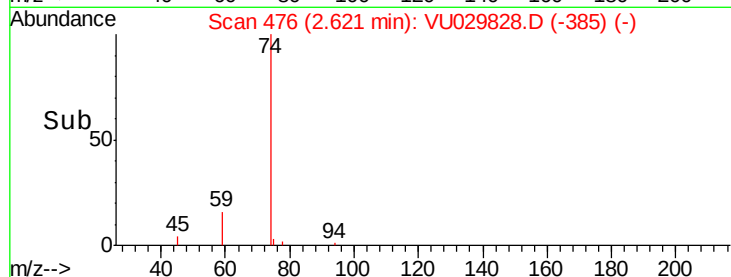
10000

5000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 4.279 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

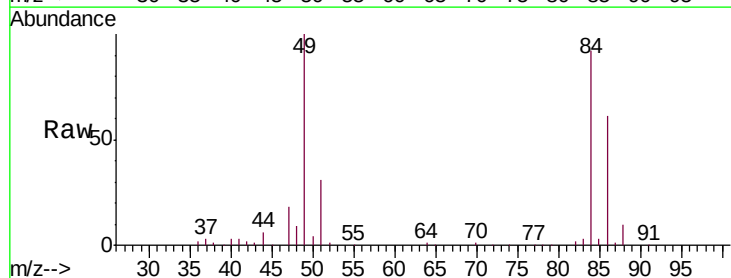
Tgt Ion: 84 Resp: 89062

Ion Ratio Lower Upper

84 100

86 66.3 44.2 82.0

49 108.5 77.3 143.5



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2.70

60000

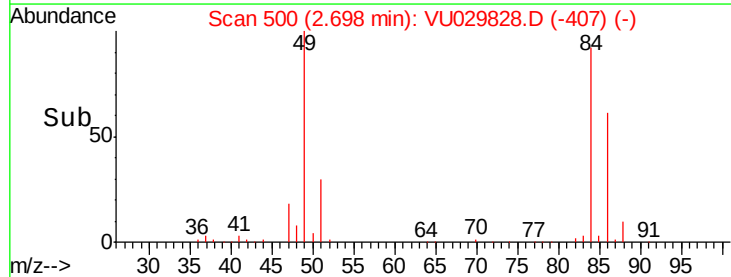
40000

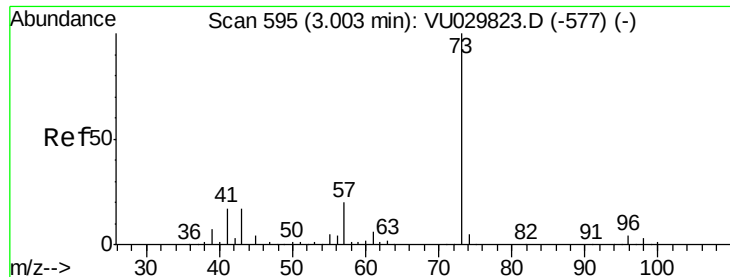
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80



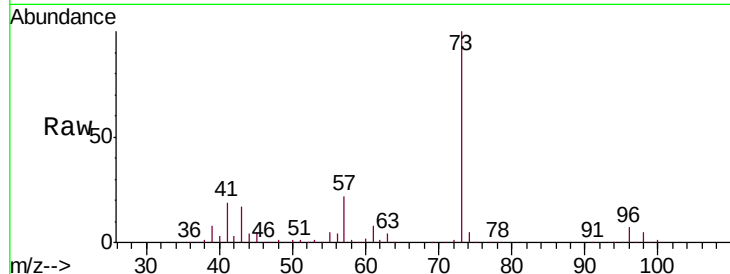


#17

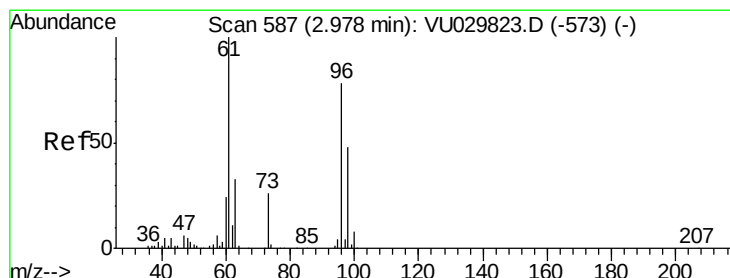
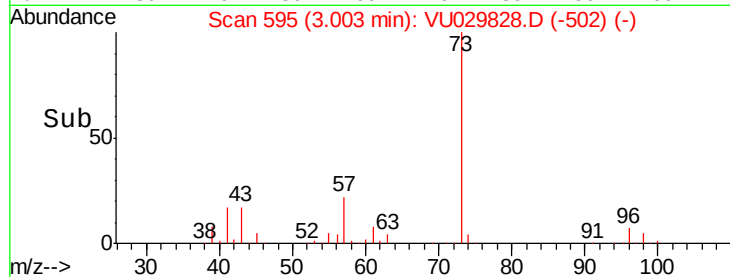
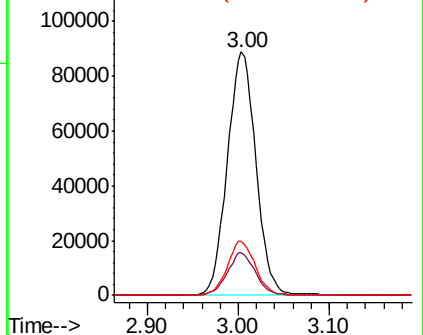
Methyl tert-butyl Ether
 Concen: 4.619 ug/L
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion	Ratio	Lower	Upper
73	100		
43	16.8	13.8	20.8
57	21.8	17.4	26.2



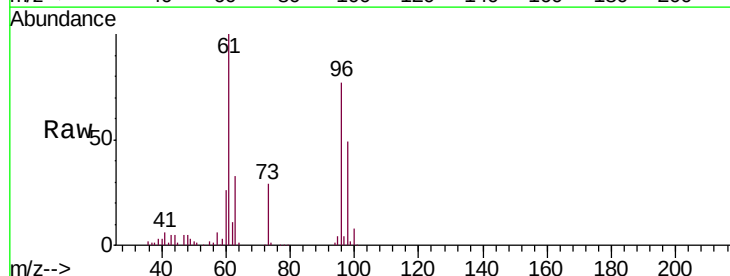
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



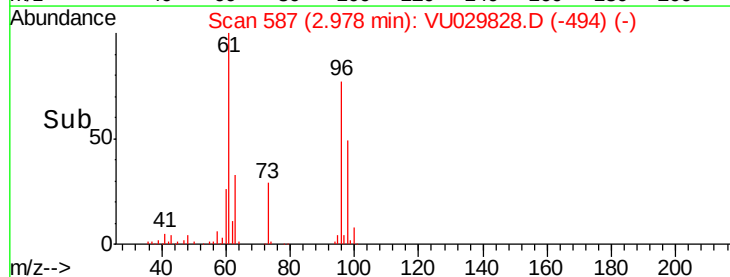
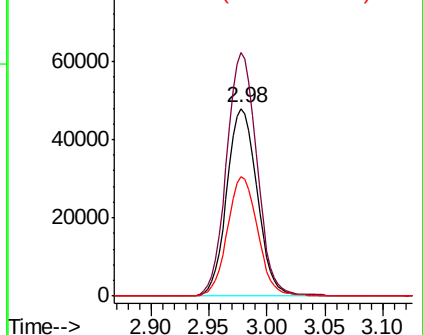
#18

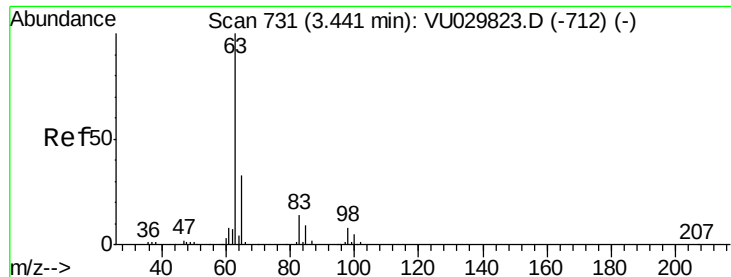
trans-1,2-Dichloroethene
 Concen: 4.574 ug/L
 RT: 2.98 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.8	90.3	167.7
98	63.9	45.2	84.0



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

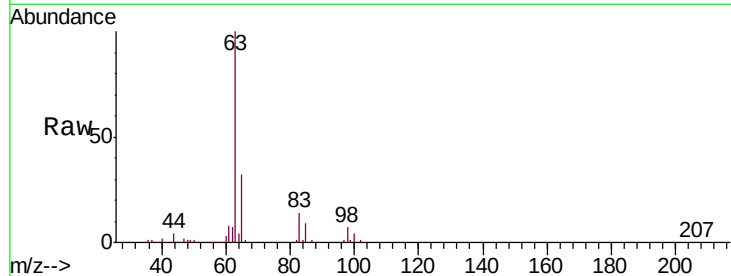




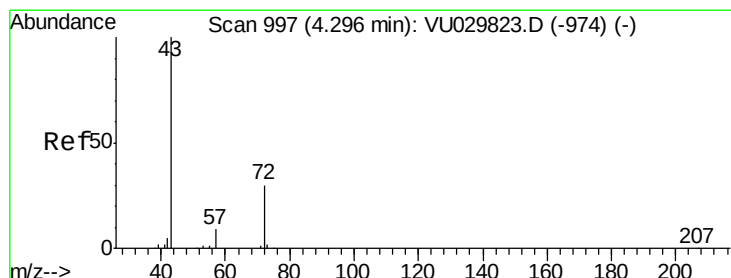
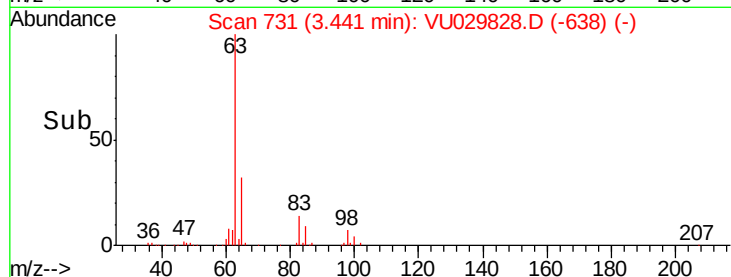
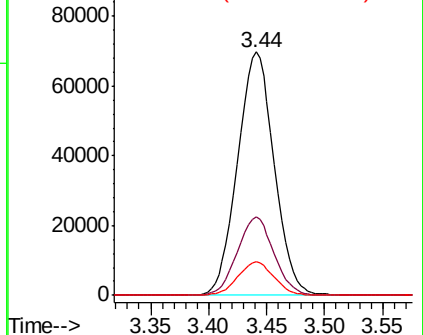
#19
 1,1-Dichloroethane
 Concen: 5.133 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.3	41.5
83	13.6	9.9	18.5

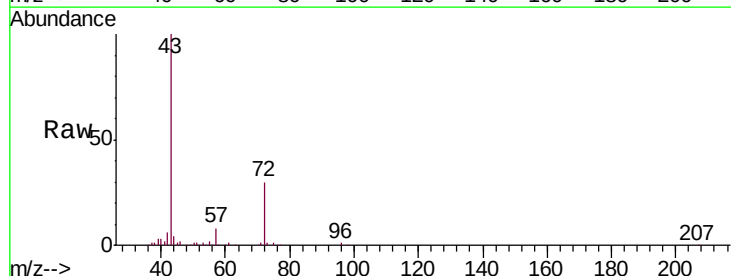


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

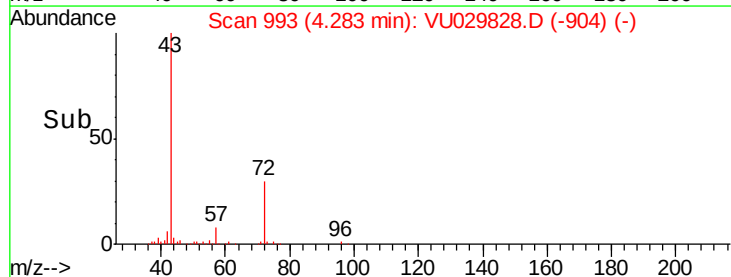
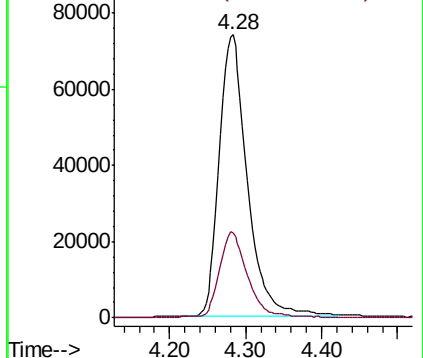


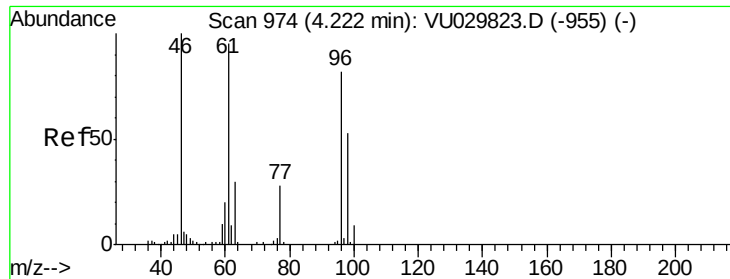
#21
 2-Butanone
 Concen: 54.642 ug/L
 RT: 4.28 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.0	15.4	46.4



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



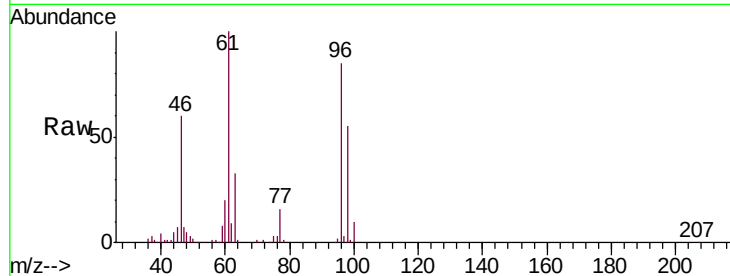


#22

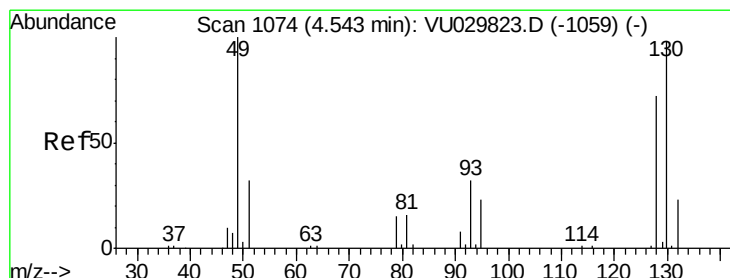
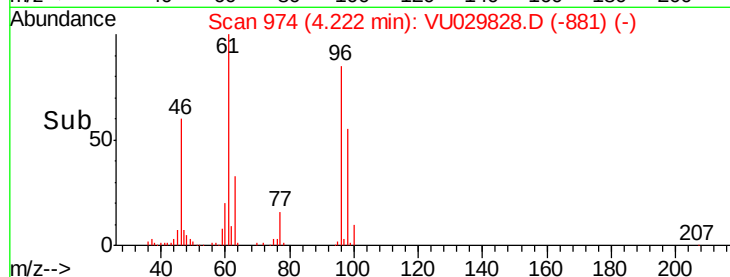
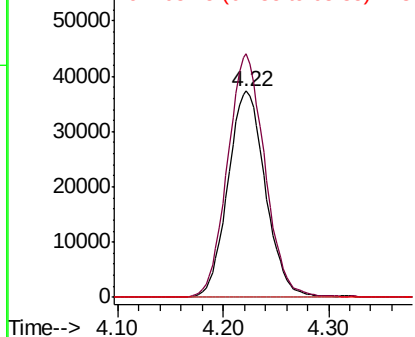
cis-1,2-Dichloroethene
 Concen: 5.245 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion: 96 Resp: 91992
 Ion Ratio Lower Upper
 96 100
 61 118.2 80.2 149.0
 68 0.0 0.0 0.0



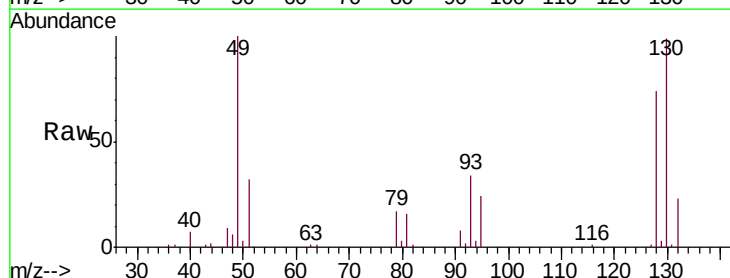
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



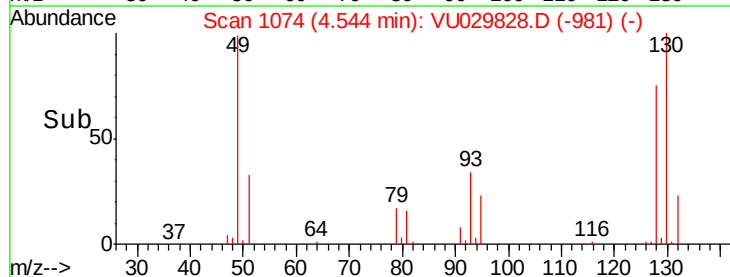
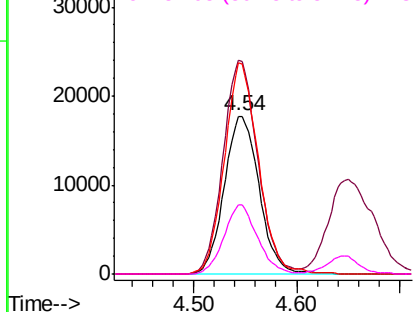
#23

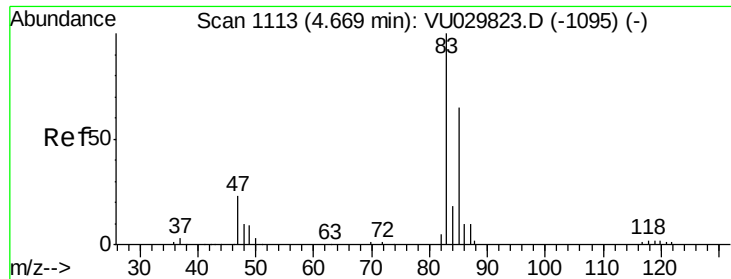
Bromochloromethane
 Concen: 5.298 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion: 128 Resp: 41929
 Ion Ratio Lower Upper
 128 100
 49 135.5 89.6 166.4
 130 133.9 90.1 167.3
 51 43.9 31.6 47.4



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

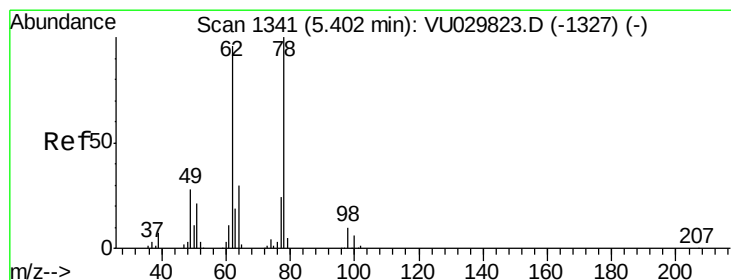
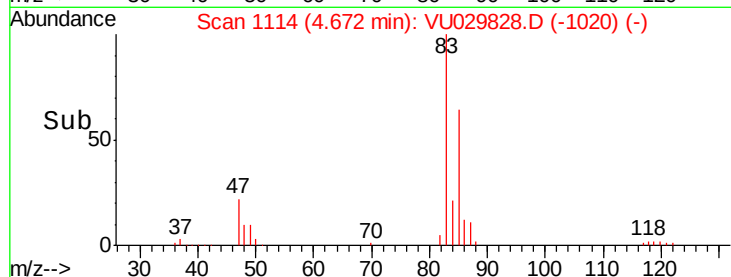
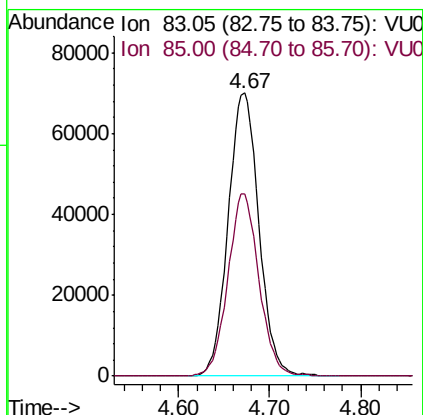
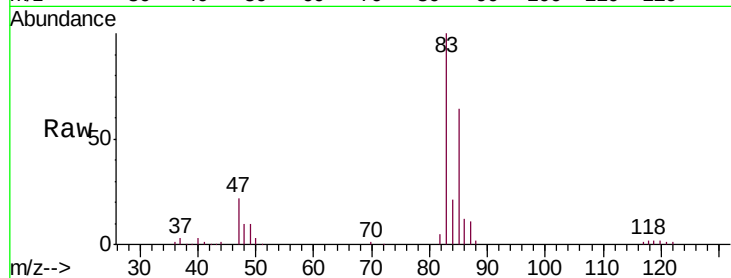




#25
 Chloroform
 Concen: 5.520 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

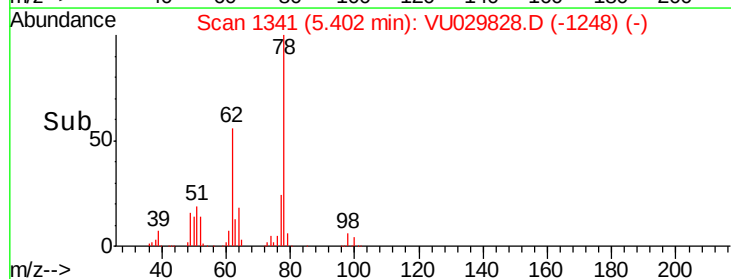
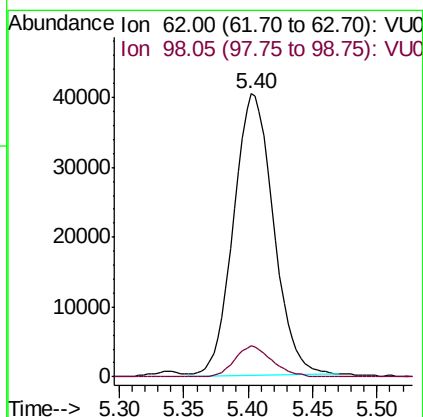
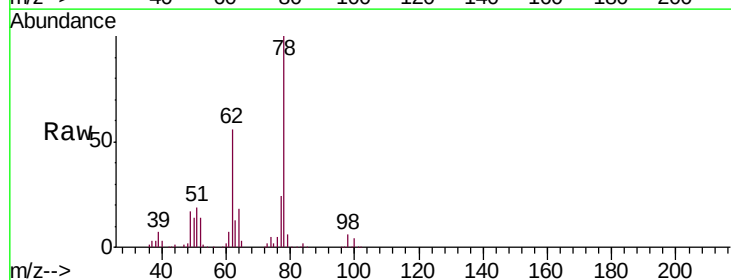
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

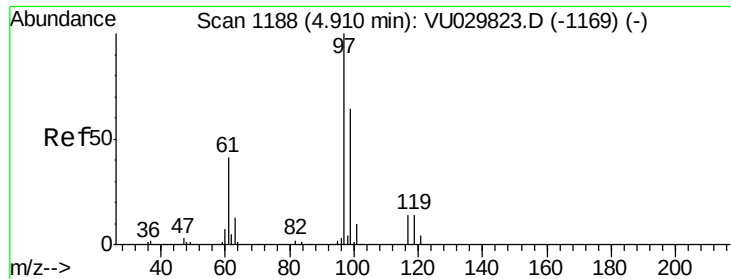
Tgt Ion: 83 Resp: 164772
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.6 84.6



#27
 1,2-Dichloroethane
 Concen: 4.932 ug/L
 RT: 5.40 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion: 62 Resp: 86950
 Ion Ratio Lower Upper
 62 100
 98 10.9 7.6 11.4

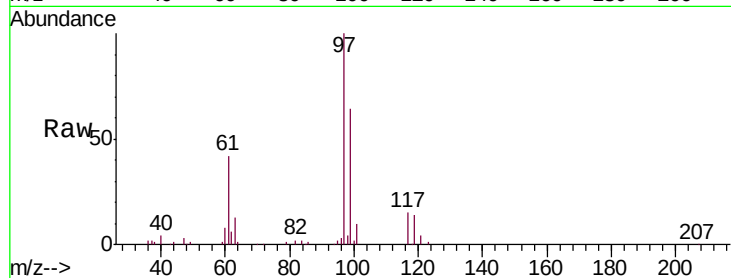




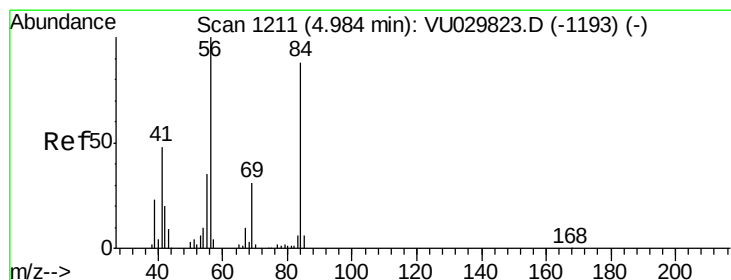
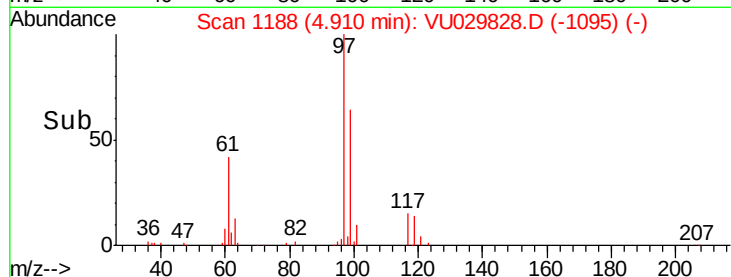
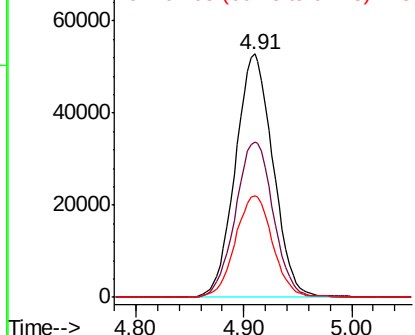
#29
 1,1,1-Trichloroethane
 Concen: 5.267 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion: 97 Resp: 128149
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.2 78.2
 61 41.7 33.5 50.3

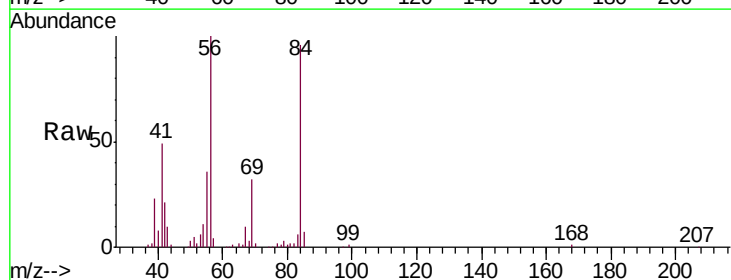


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

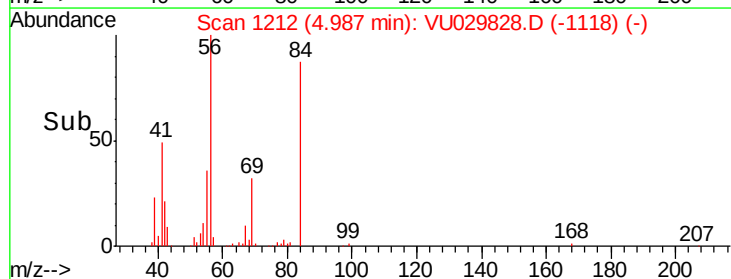
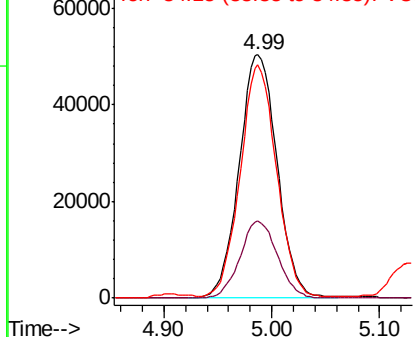


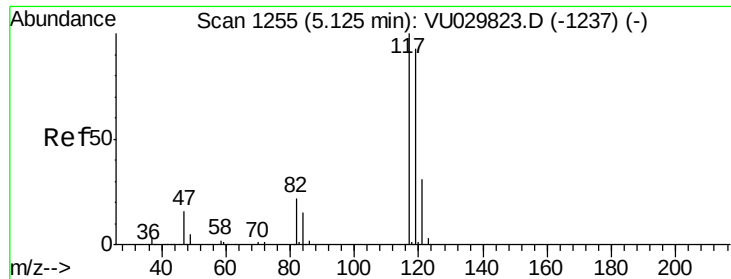
#30
 Cyclohexane
 Concen: 5.109 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion: 56 Resp: 123016
 Ion Ratio Lower Upper
 56 100
 69 31.4 25.8 38.8
 84 92.7 73.5 110.3



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

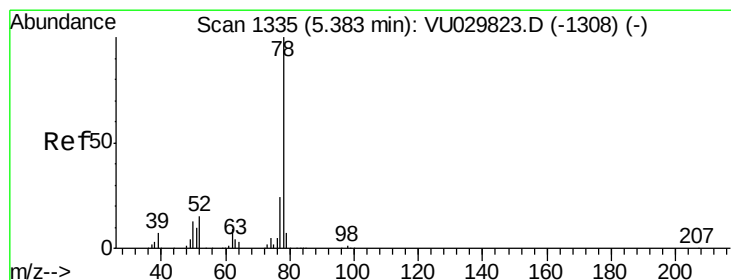
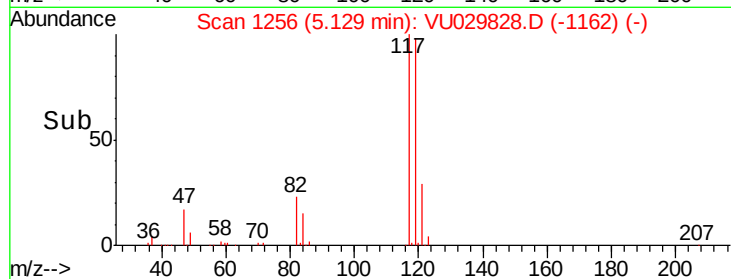
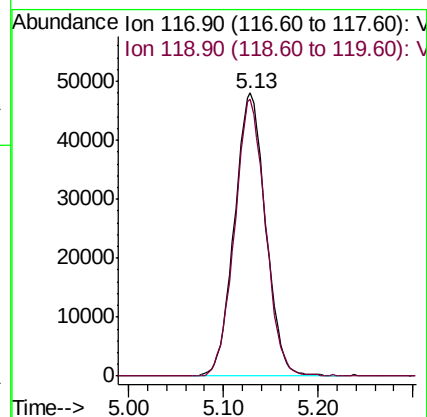
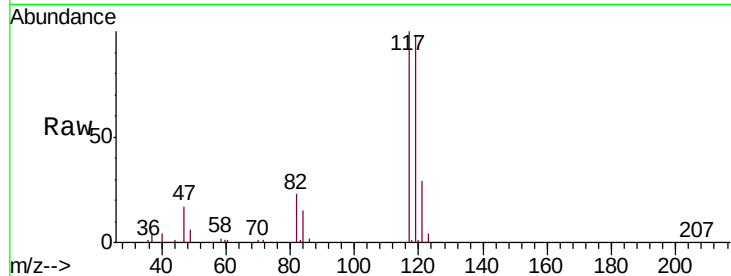




#31
Carbon tetrachloride
Concen: 5.193 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU029828.D
Acq: 05 Mar 2019 18:38

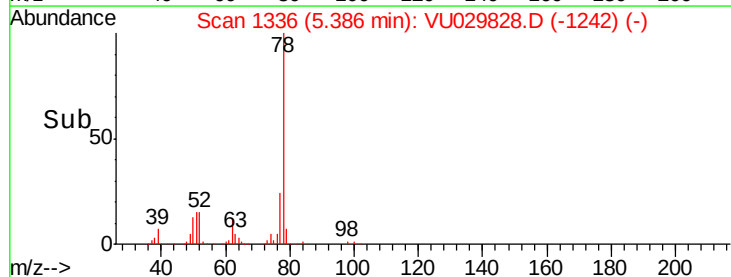
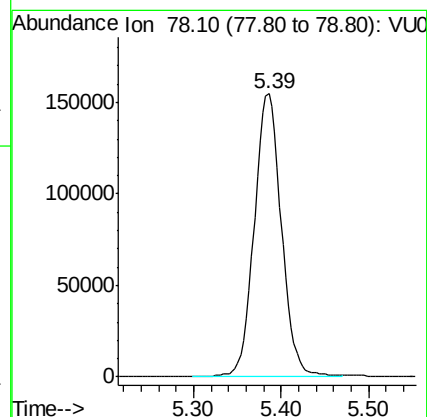
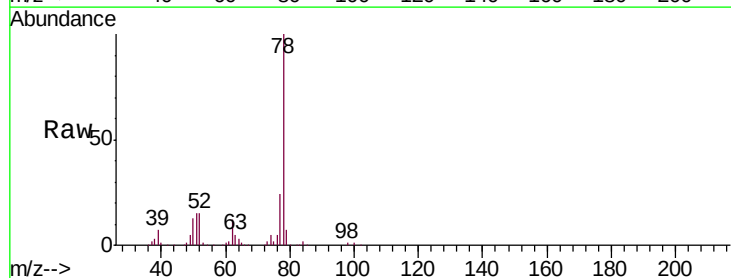
Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

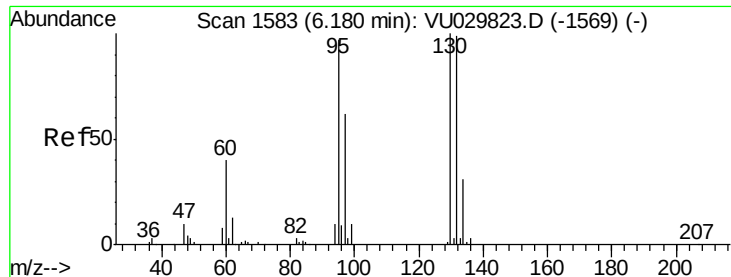
Tgt Ion:117 Resp: 109969
Ion Ratio Lower Upper
117 100
119 96.6 75.8 113.8



#33
Benzene
Concen: 5.395 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029828.D
Acq: 05 Mar 2019 18:38

Tgt Ion: 78 Resp: 333699





#34

Trichloroethene

Concen: 5.179 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

Tgt Ion: 95 Resp: 89431

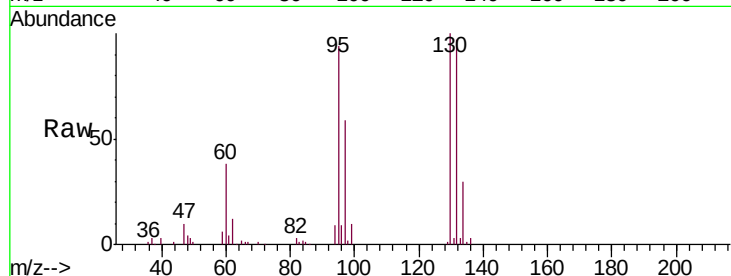
Ion Ratio Lower Upper

95 100

97 63.2 45.6 84.8

132 103.1 72.9 135.3

130 106.4 77.5 143.9

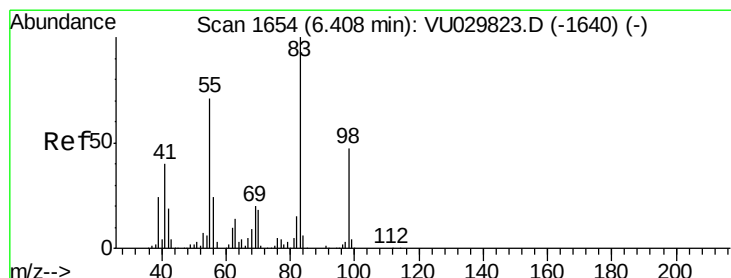
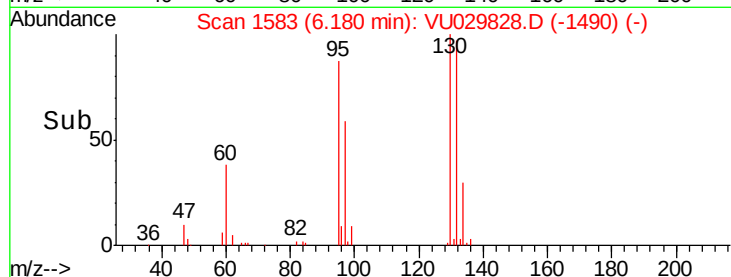
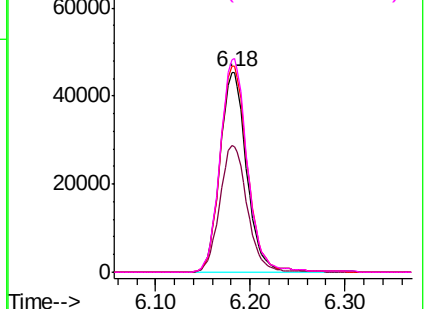


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.092 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

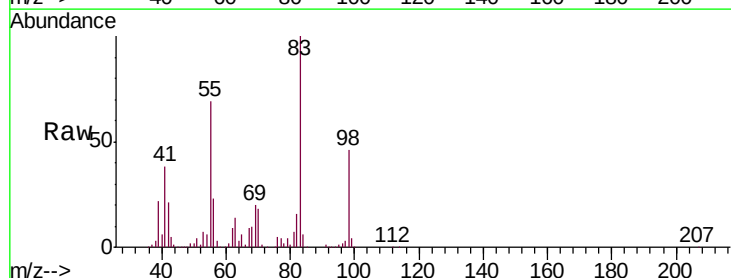
Tgt Ion: 83 Resp: 142596

Ion Ratio Lower Upper

83 100

55 70.4 56.5 84.7

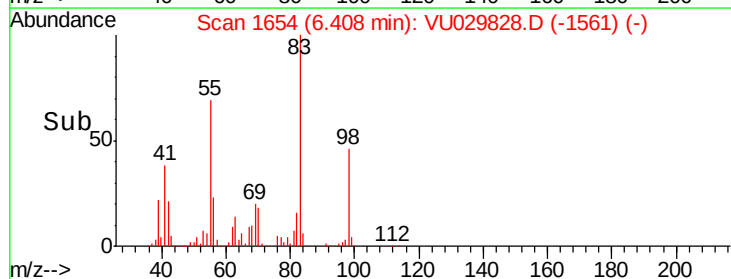
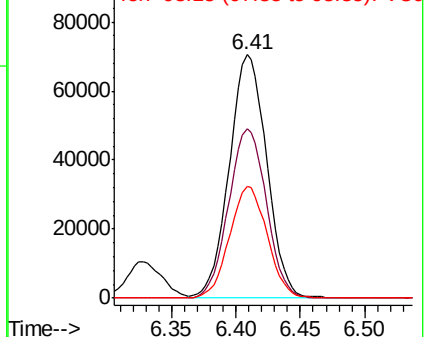
98 46.2 39.4 59.2

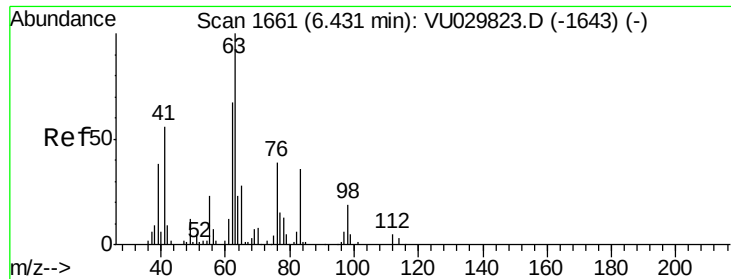


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

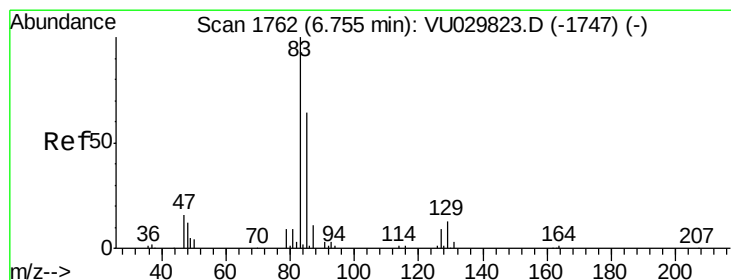
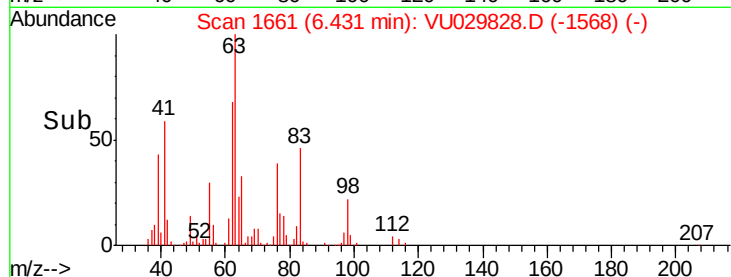
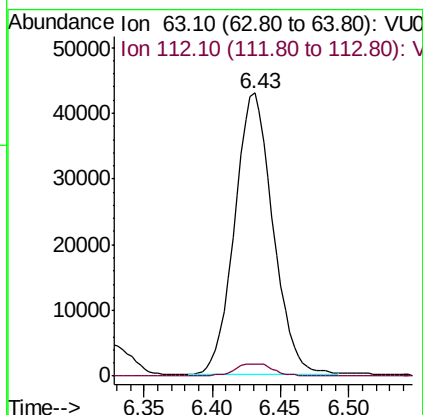
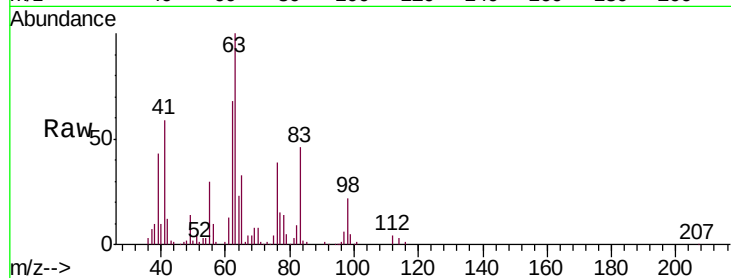




#37
 1,2-Dichloropropane
 Concen: 5.404 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

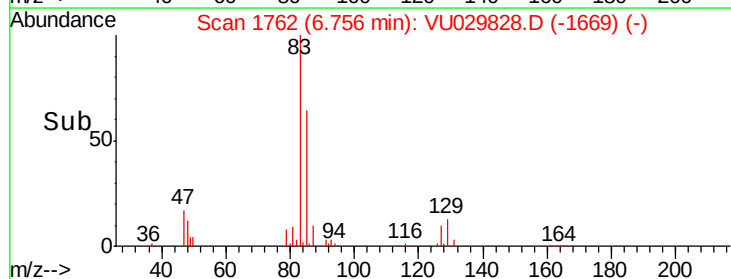
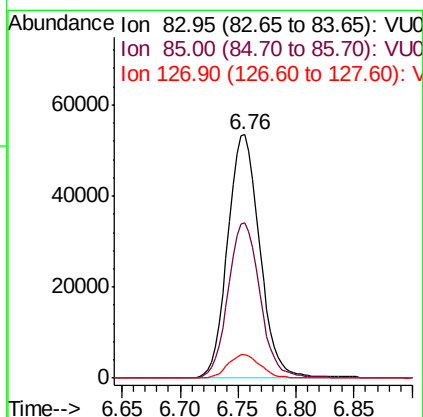
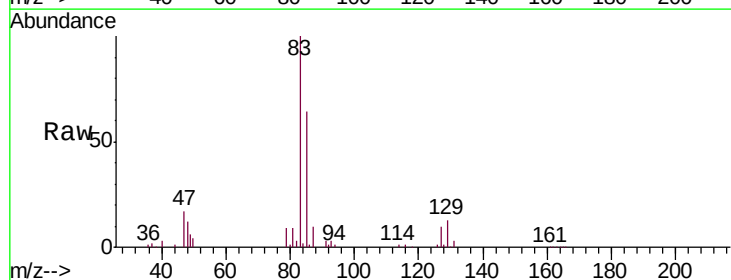
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

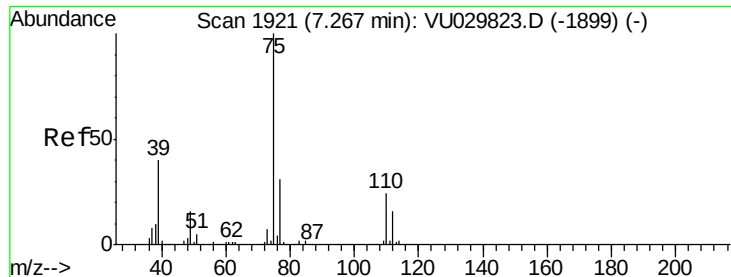
Tgt Ion: 63 Resp: 84201
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.291 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion: 83 Resp: 102915
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.1 85.5
 127 9.7 7.5 11.3

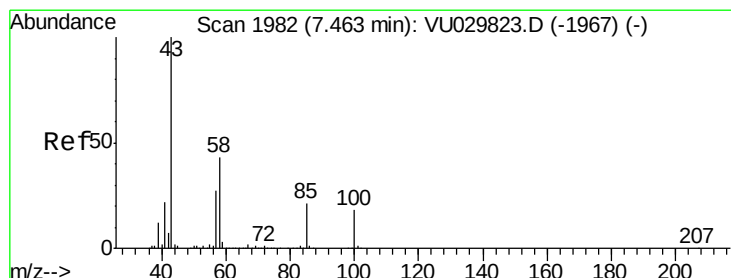
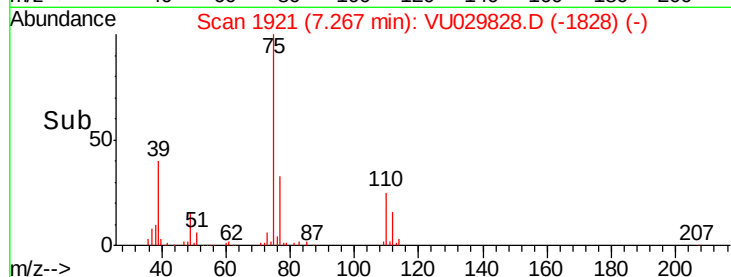
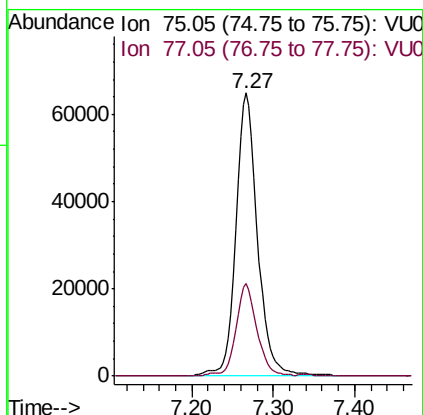
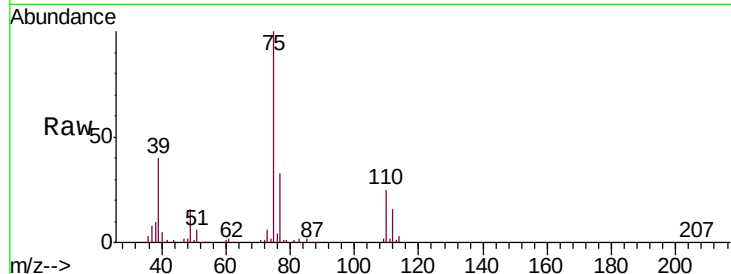




#39
 cis-1,3-Dichloropropene
 Concen: 5.279 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

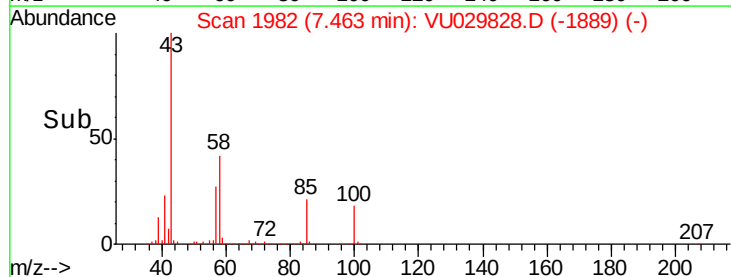
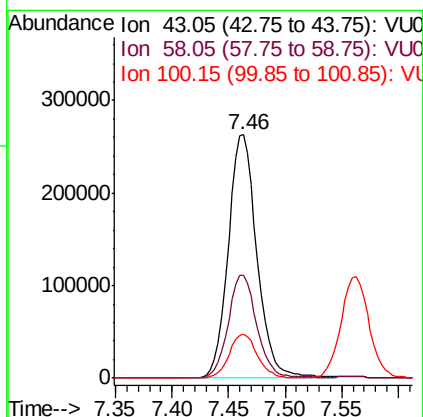
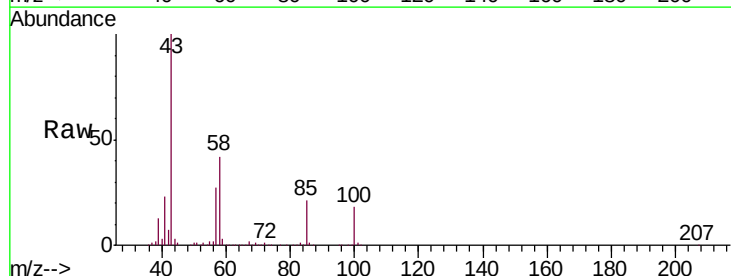
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

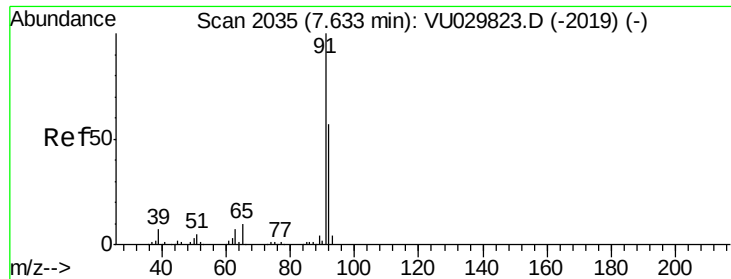
Tgt Ion: 75 Resp: 120402
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.006 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion: 43 Resp: 464188
 Ion Ratio Lower Upper
 43 100
 58 42.6 33.8 50.8
 100 17.8 14.2 21.2





#42

Toluene

Concen: 5.229 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

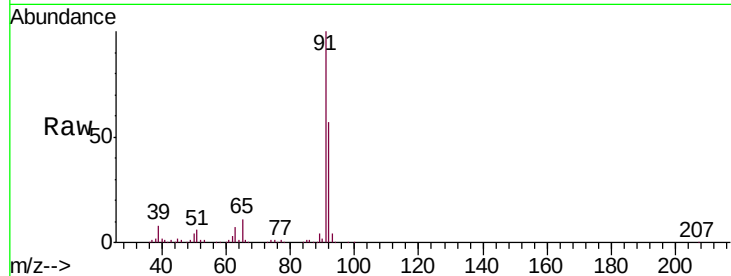
VSTD00547

Tgt Ion: 91 Resp: 366817

Ion Ratio Lower Upper

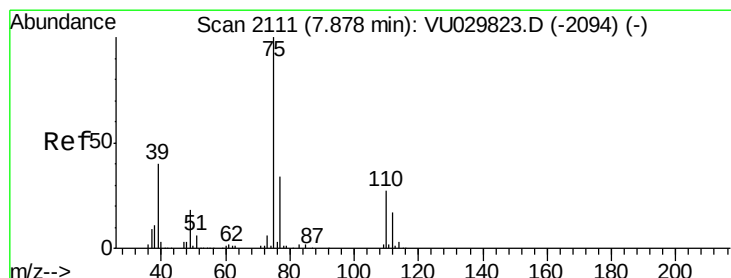
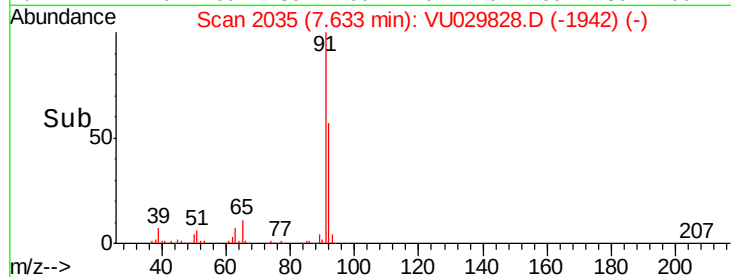
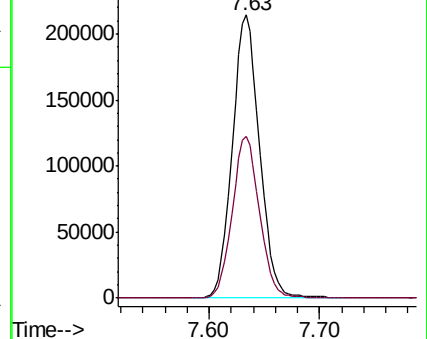
91 100

92 57.3 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU029828.D (-2018) (-)

Ion 92.15 (91.85 to 92.85): VU029828.D (-2018) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.408 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029828.D

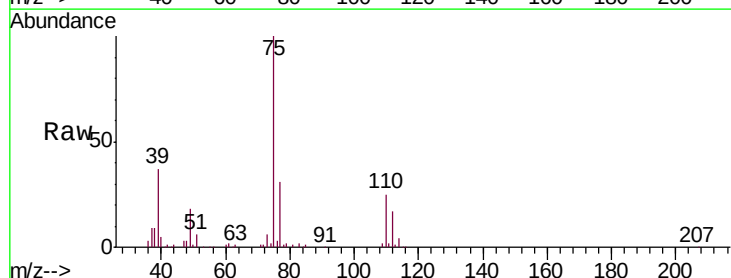
Acq: 05 Mar 2019 18:38

Tgt Ion: 75 Resp: 98995

Ion Ratio Lower Upper

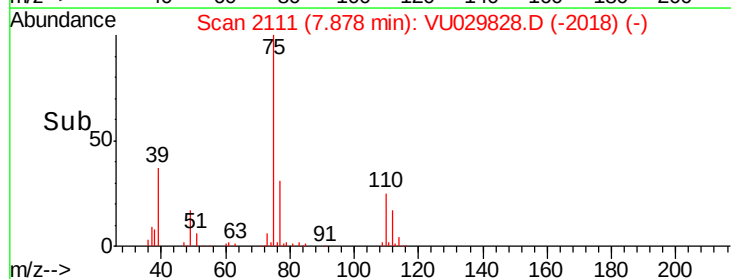
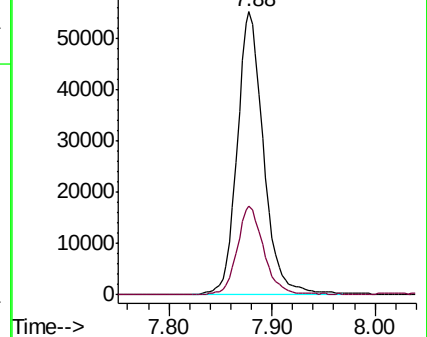
75 100

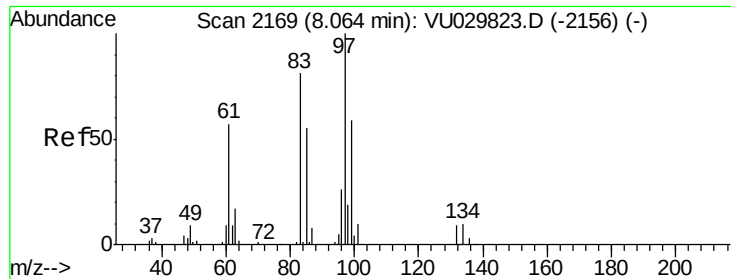
77 31.5 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU029828.D (-2018) (-)

Ion 77.05 (76.75 to 77.75): VU029828.D (-2018) (-)

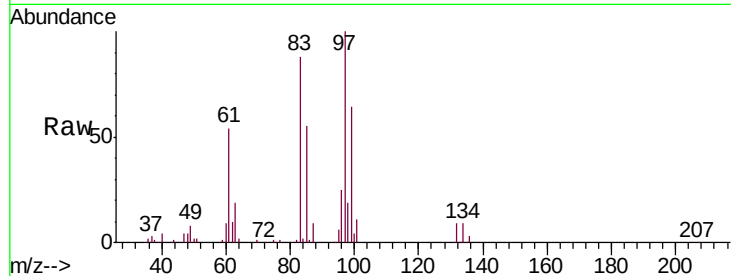




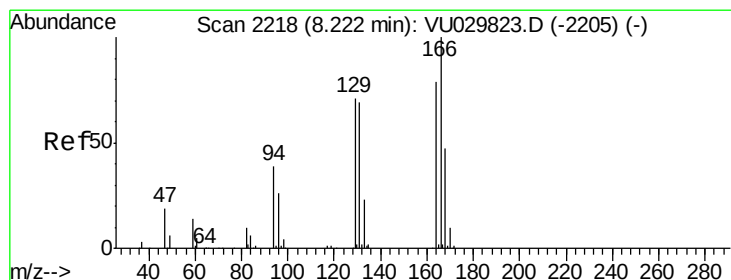
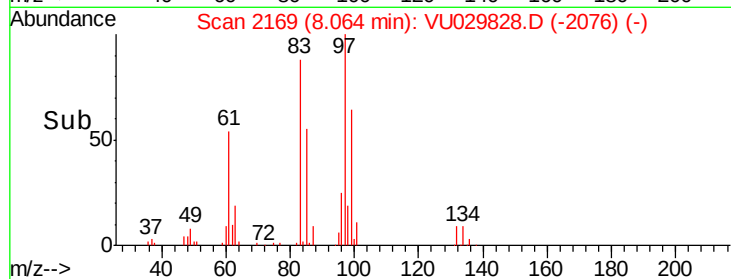
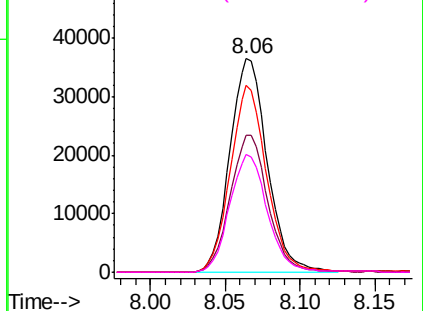
#45
 1,1,2-Trichloroethane
 Concen: 5.201 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion:	97	Resp:	63463
Ion	Ratio	Lower	Upper
97	100		
99	64.2	45.3	84.1
83	87.7	59.6	110.6
85	54.9	39.8	74.0

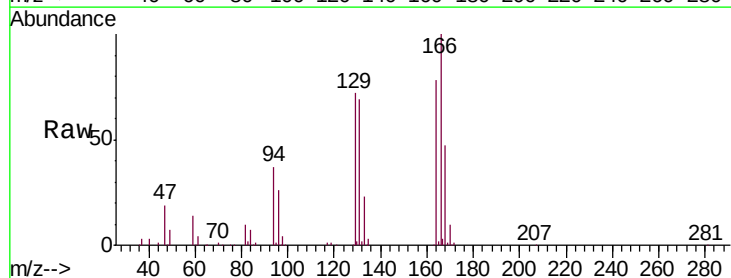


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

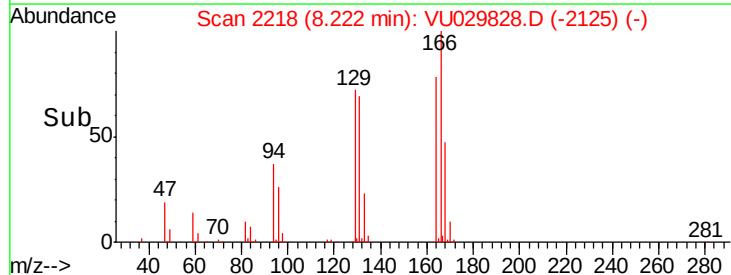
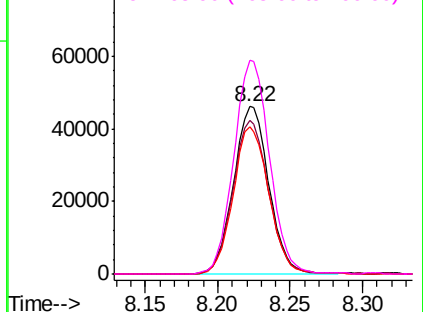


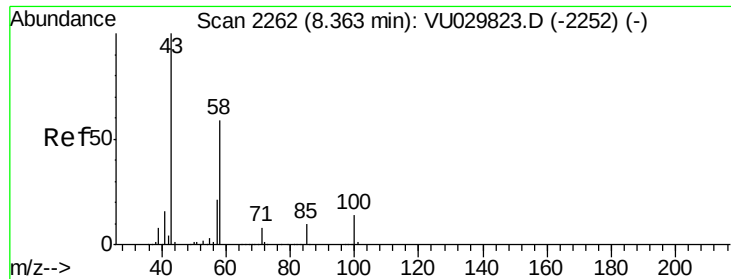
#47
 Tetrachloroethene
 Concen: 4.872 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion:	164	Resp:	78120
Ion	Ratio	Lower	Upper
164	100		
129	91.9	62.9	116.7
131	88.2	61.8	114.8
166	127.7	88.8	164.8



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

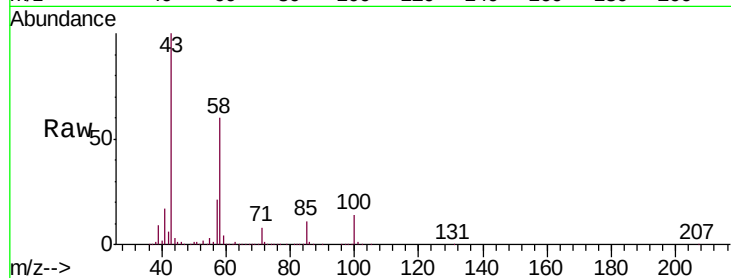




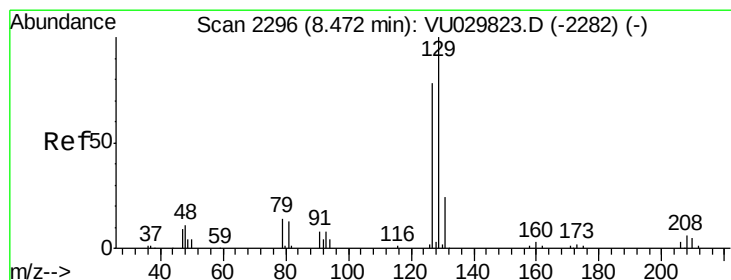
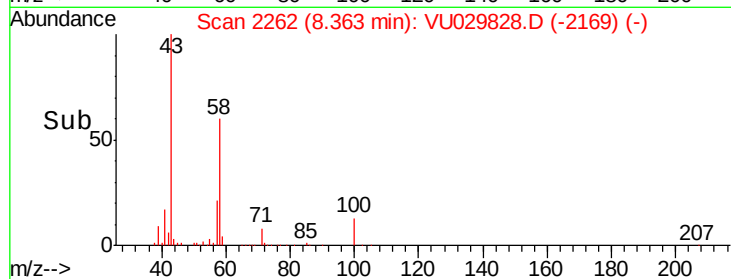
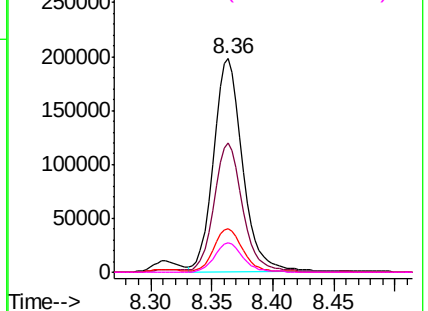
#48
2-Hexanone
Concen: 51.589 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029828.D
Acq: 05 Mar 2019 18:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

Tgt Ion:	43	Resp:	330408
Ion	Ratio	Lower	Upper
43	100		
58	59.5	46.6	69.8
57	21.0	15.9	23.9
100	13.9	11.4	17.2

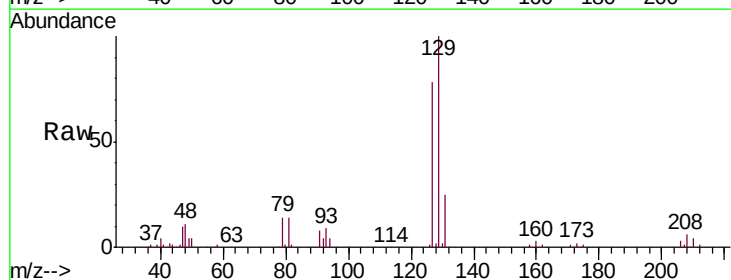


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

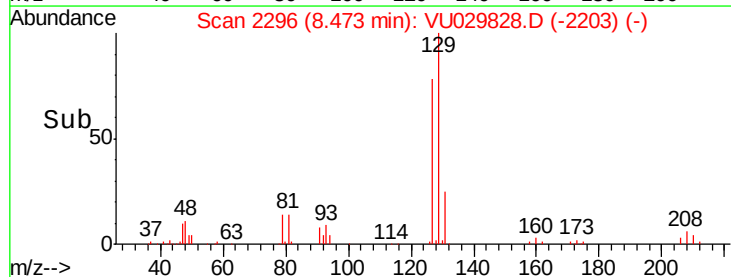
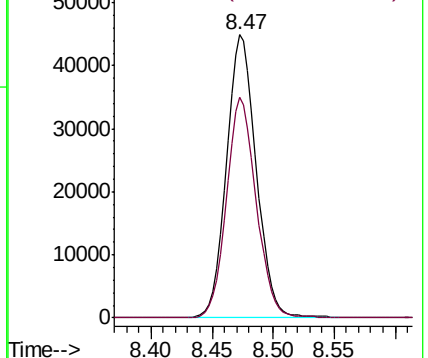


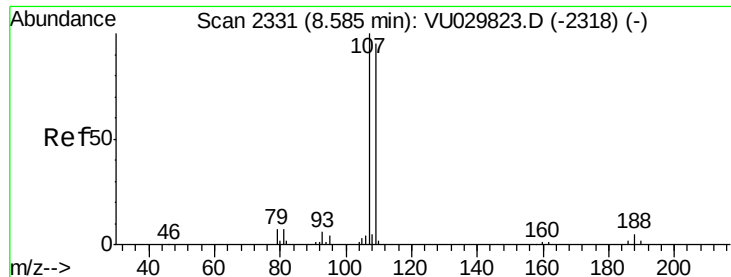
#49
Dibromochloromethane
Concen: 5.180 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029828.D
Acq: 05 Mar 2019 18:38

Tgt Ion:	129	Resp:	76562
Ion	Ratio	Lower	Upper
129	100		
127	78.1	52.5	97.5



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





#50

1,2-Dibromoethane

Concen: 5.215 ug/L

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

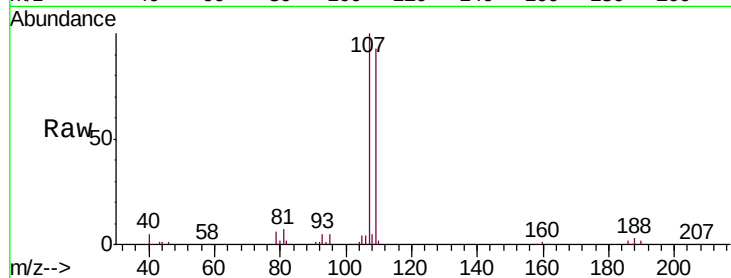
Tgt Ion:107 Resp: 62293

Ion Ratio Lower Upper

107 100

109 93.3 65.8 122.2

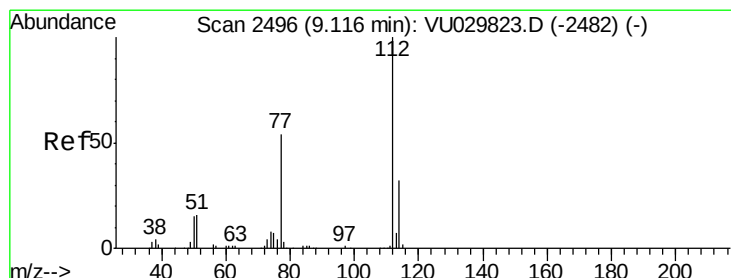
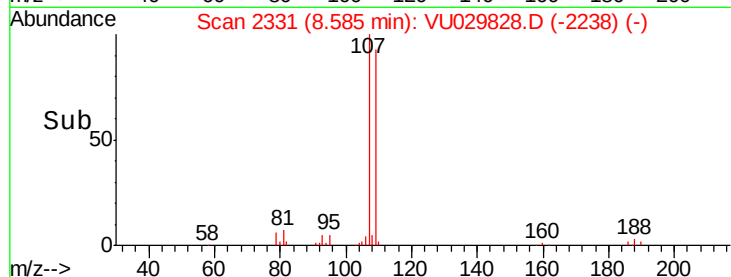
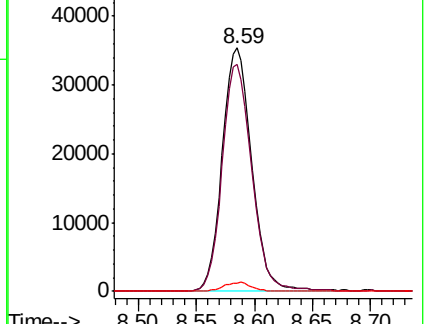
188 3.5 3.3 4.9



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: 5.131 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

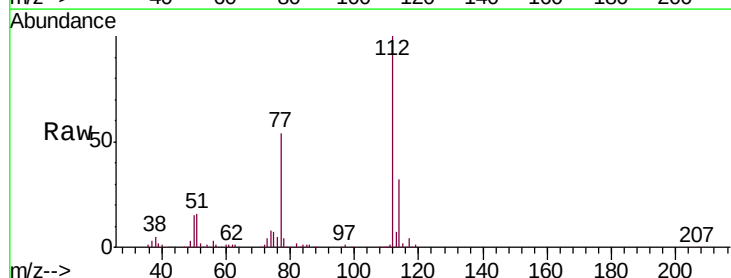
Tgt Ion:112 Resp: 247295

Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

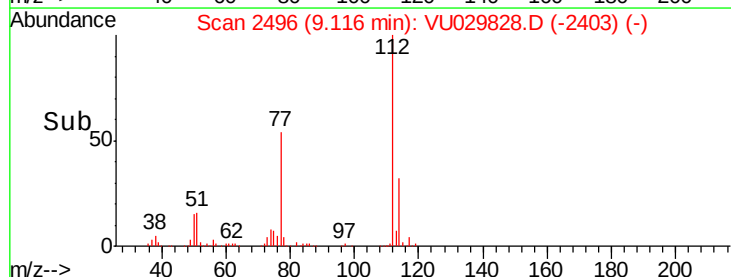
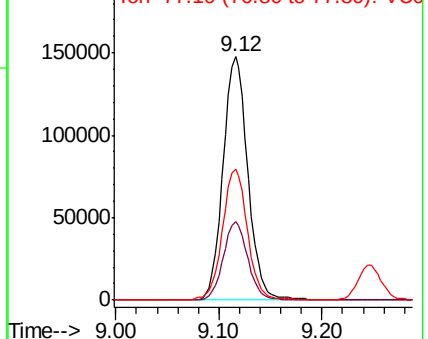
77 54.0 42.7 64.1

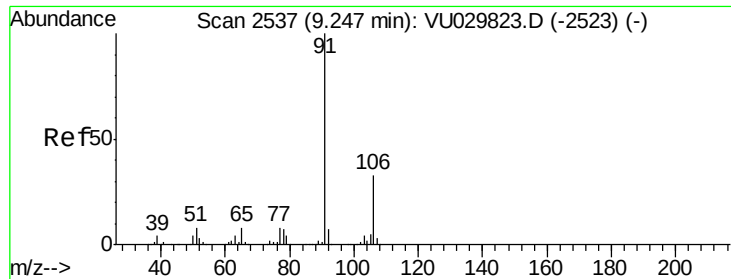


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.011 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

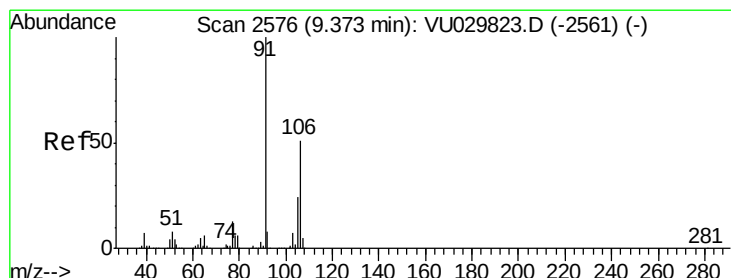
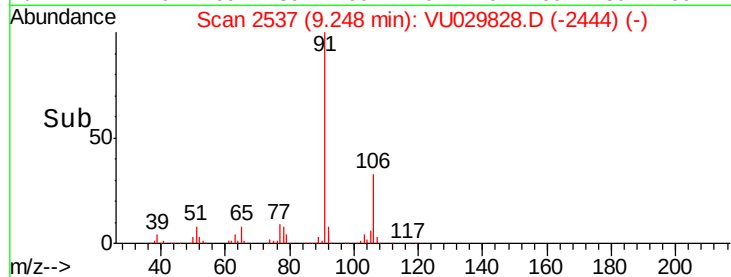
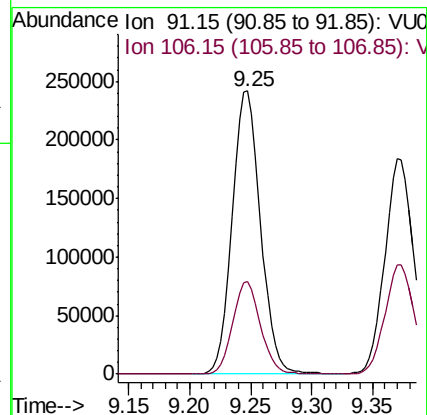
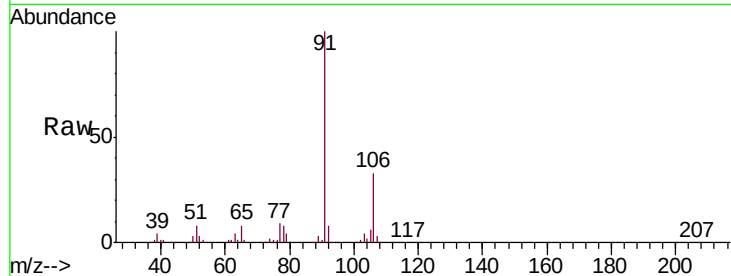
VSTD00547

Tgt Ion: 91 Resp: 393205

Ion Ratio Lower Upper

91 100

106 32.6 22.1 41.1



#53

m,p-xylene

Concen: 4.978 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029828.D

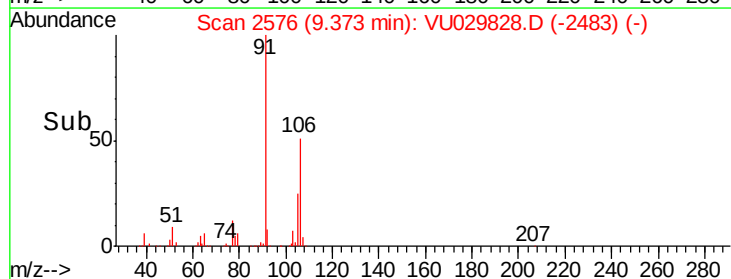
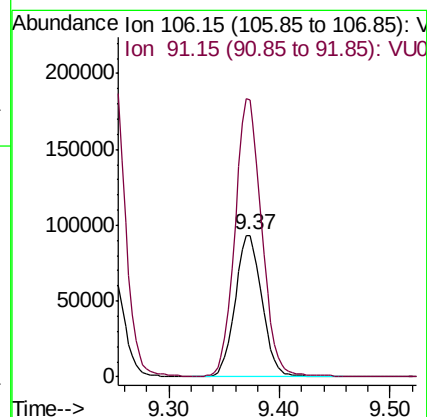
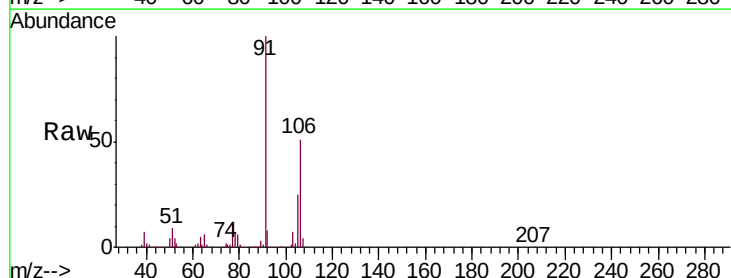
Acq: 05 Mar 2019 18:38

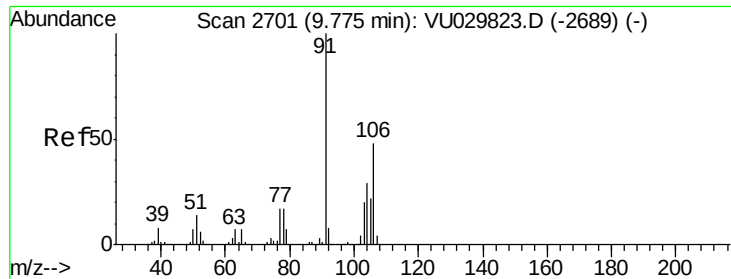
Tgt Ion: 106 Resp: 156609

Ion Ratio Lower Upper

106 100

91 196.4 136.0 252.6





#54

o-xylene

Concen: 5.016 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

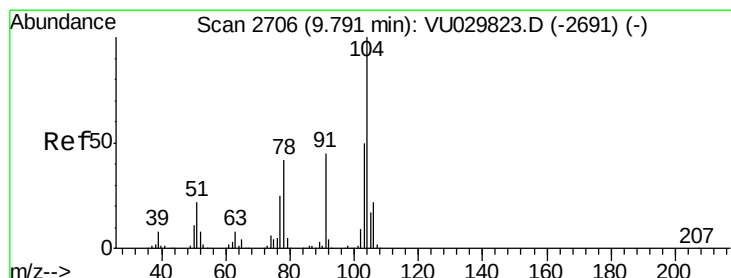
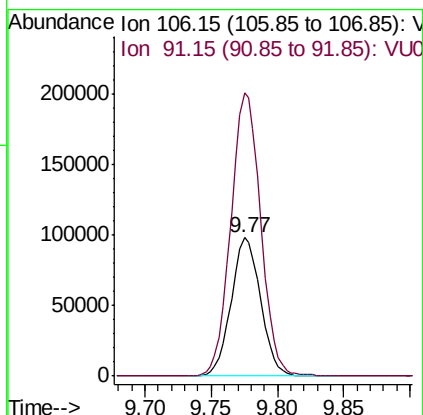
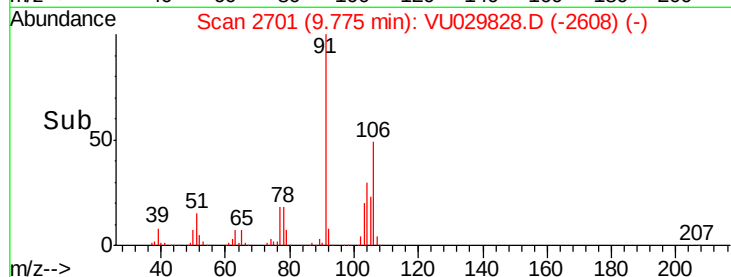
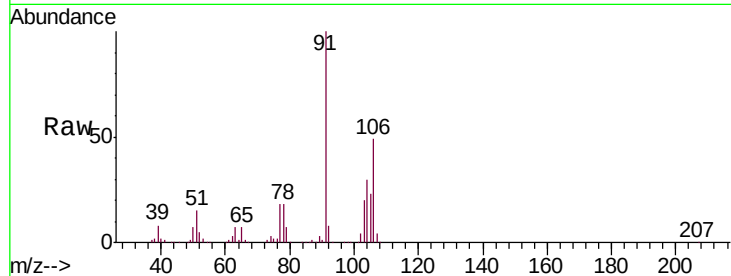
VSTD00547

Tgt Ion:106 Resp: 151950

Ion Ratio Lower Upper

106 100

91 204.6 145.7 270.5



#55

Styrene

Concen: 5.106 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029828.D

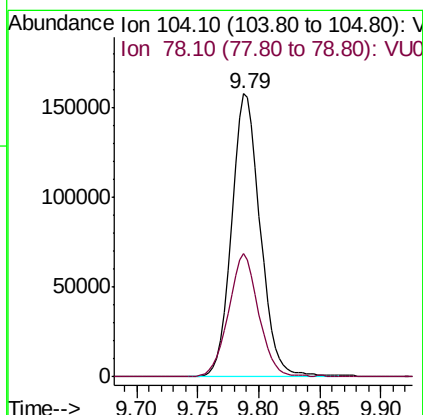
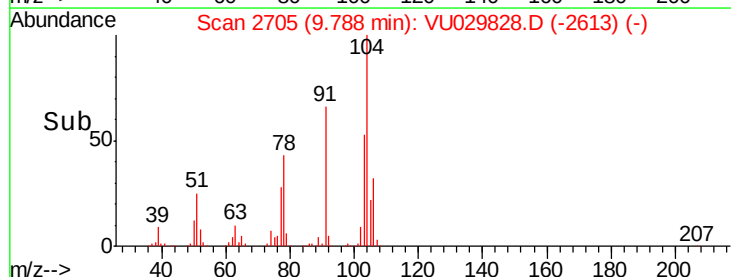
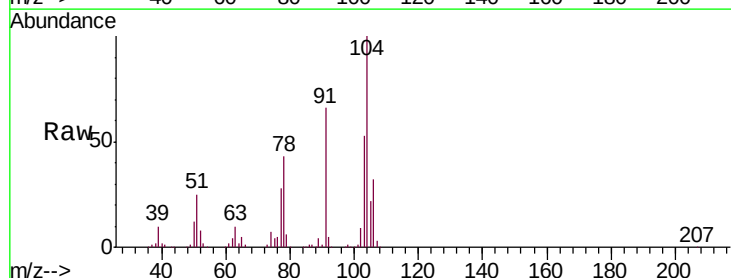
Acq: 05 Mar 2019 18:38

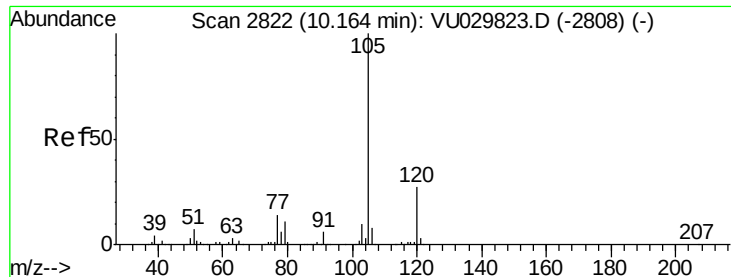
Tgt Ion:104 Resp: 258357

Ion Ratio Lower Upper

104 100

78 43.4 29.2 54.2





#56

Isopropylbenzene

Concen: 4.985 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

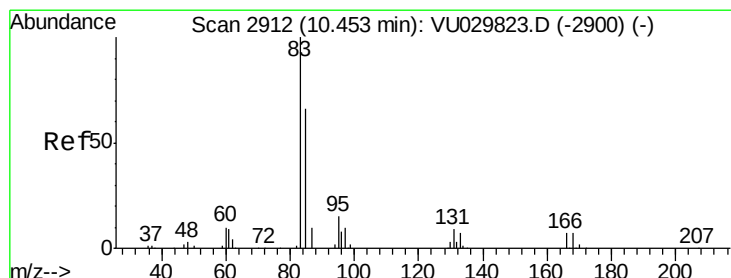
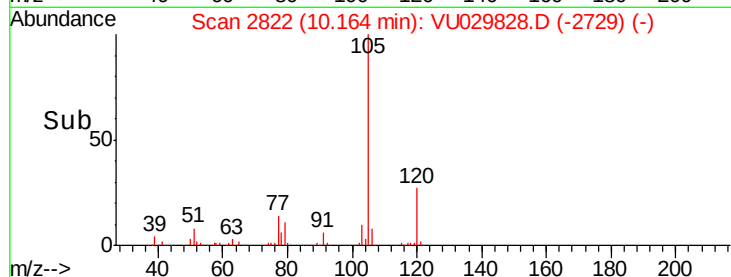
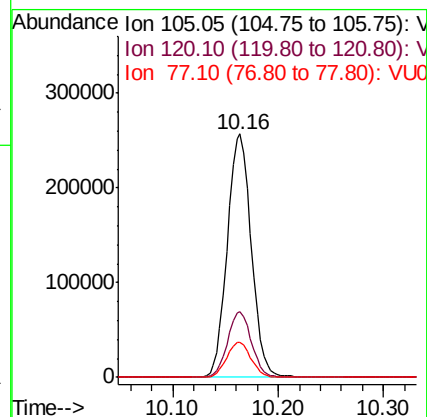
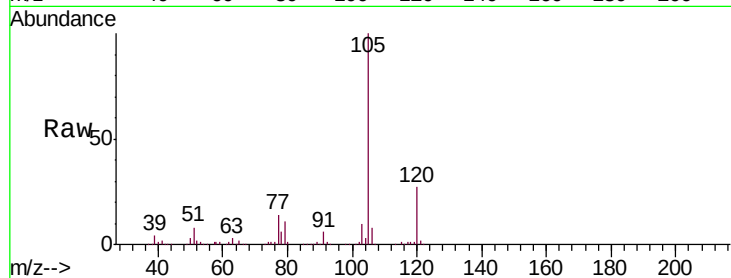
Tgt Ion: 105 Resp: 405221

Ion Ratio Lower Upper

105 100

120 26.7 21.8 32.6

77 14.4 11.5 17.3



#58

1,1,2,2-Tetrachloroethane

Concen: 5.264 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

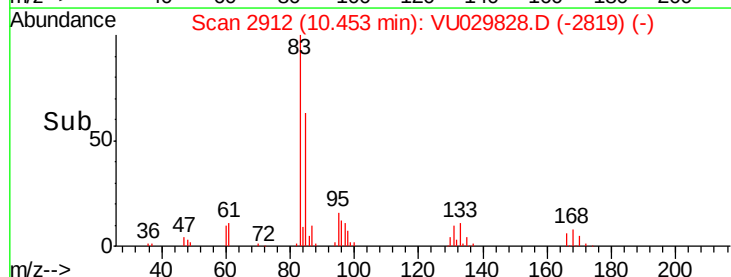
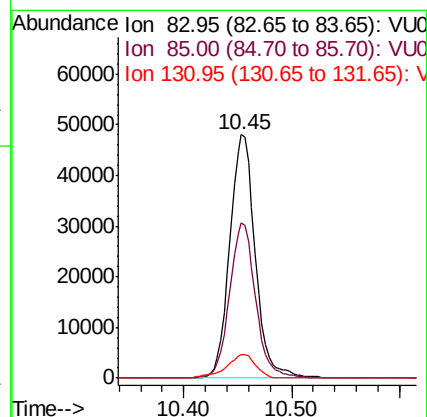
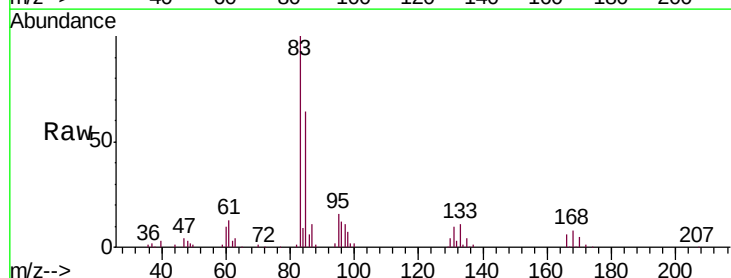
Tgt Ion: 83 Resp: 79168

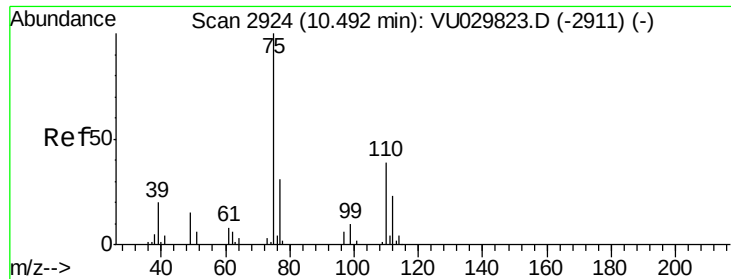
Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.3

131 9.8 8.9 13.3

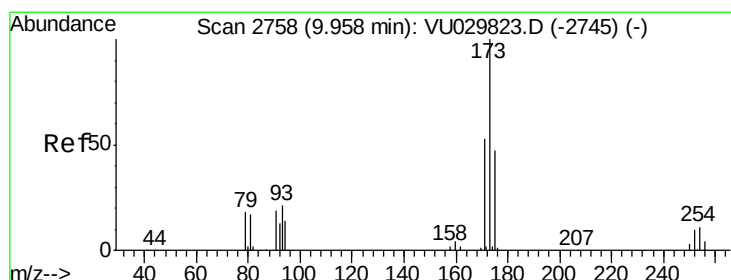
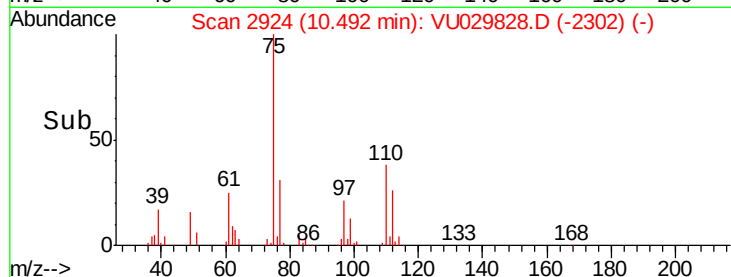
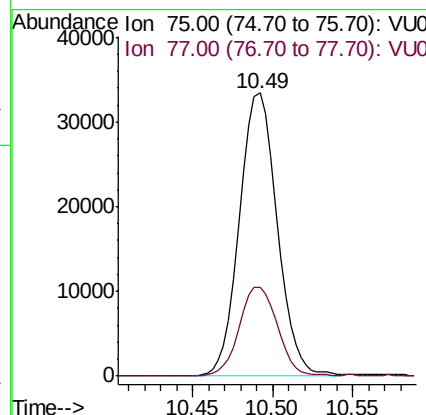
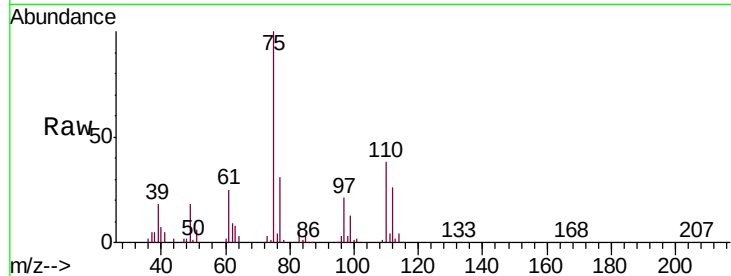




#59
 1,2,3-Trichloropropane
 Concen: 5.176 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

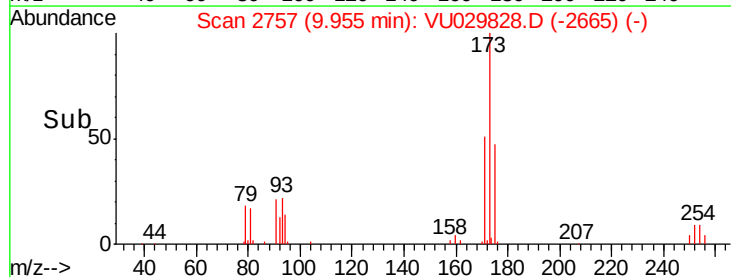
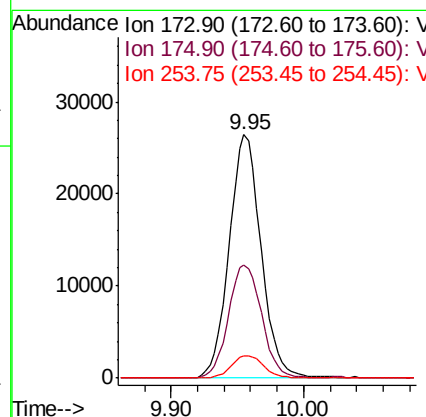
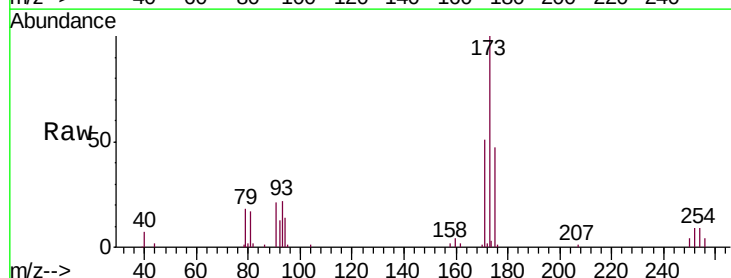
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

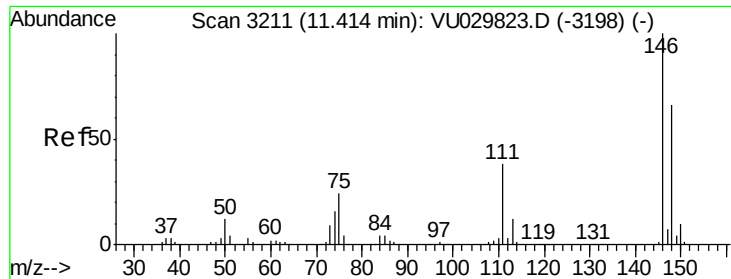
Tgt Ion: 75 Resp: 53860
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#61
 Bromoform
 Concen: 5.293 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion: 173 Resp: 44152
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.6
 254 9.2 8.2 12.4

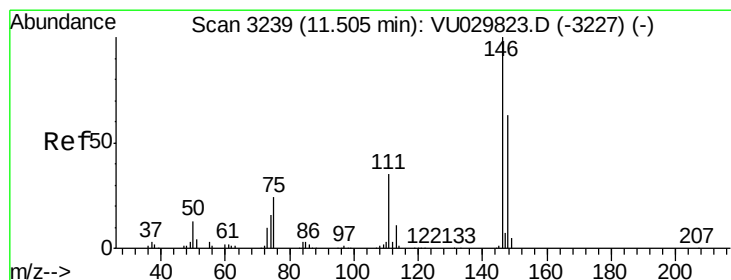
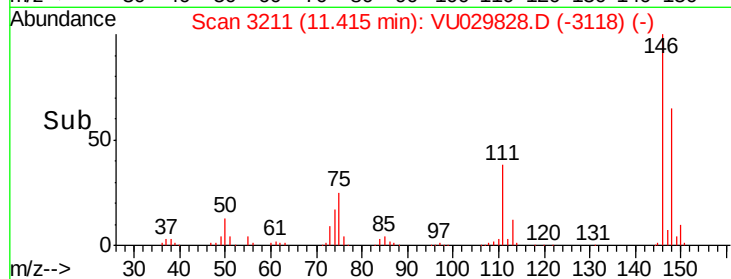
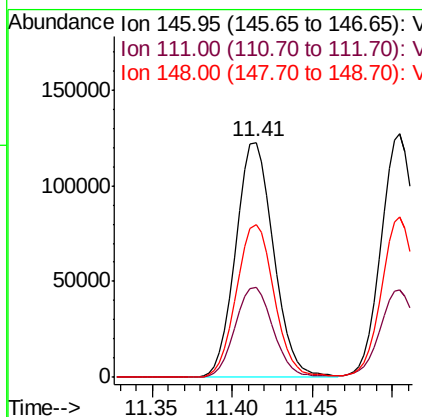
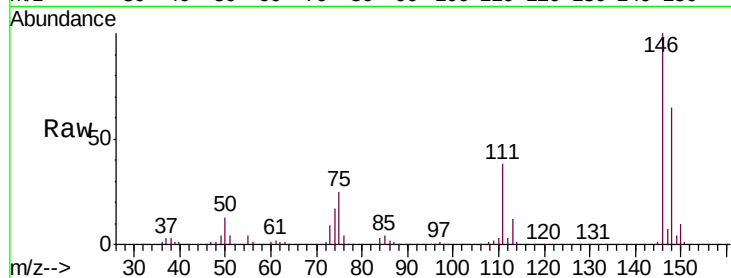




#62
 1,3-Dichlorobenzene
 Concen: 4.952 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

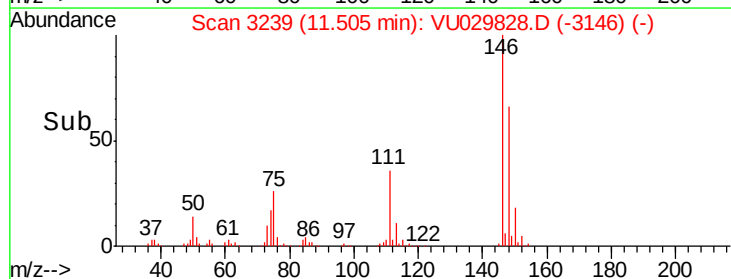
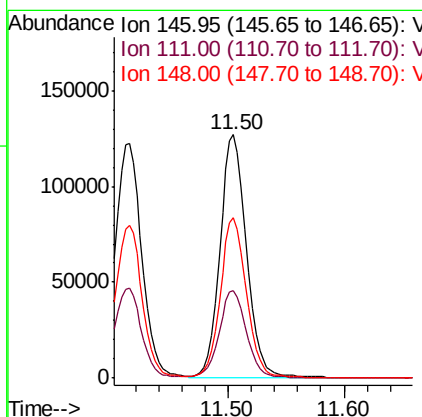
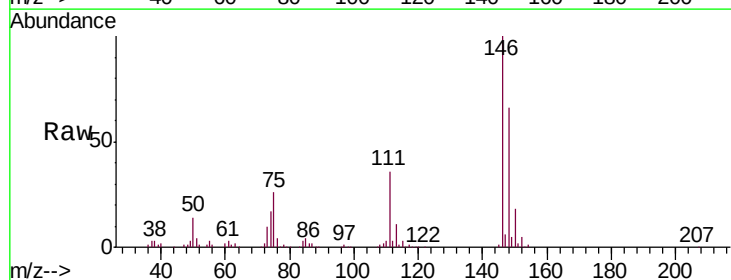
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

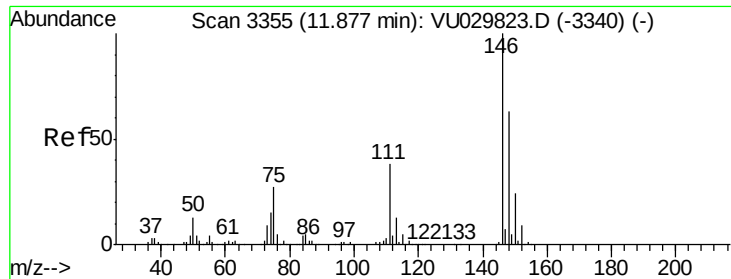
Tgt Ion:146 Resp: 197746
 Ion Ratio Lower Upper
 146 100
 111 38.3 25.7 47.7
 148 65.1 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 4.991 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion:146 Resp: 202128
 Ion Ratio Lower Upper
 146 100
 111 35.8 25.4 47.2
 148 65.7 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 5.039 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

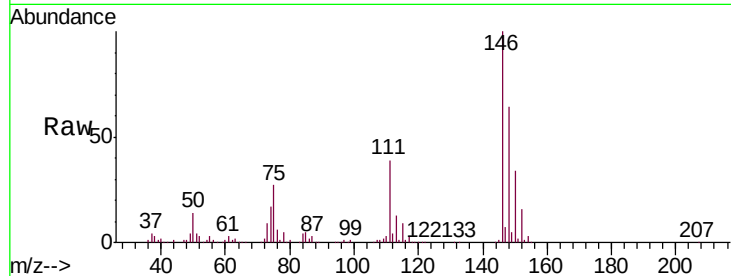
Tgt Ion:146 Resp: 194249

Ion Ratio Lower Upper

146 100

111 39.2 32.2 48.2

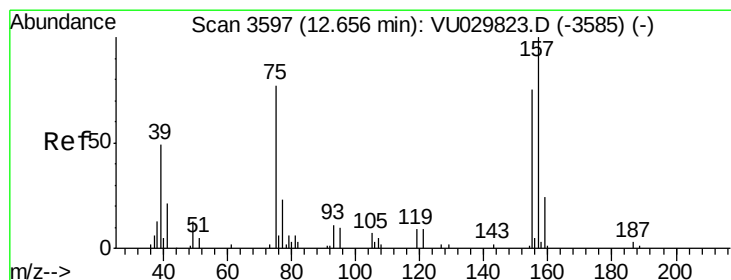
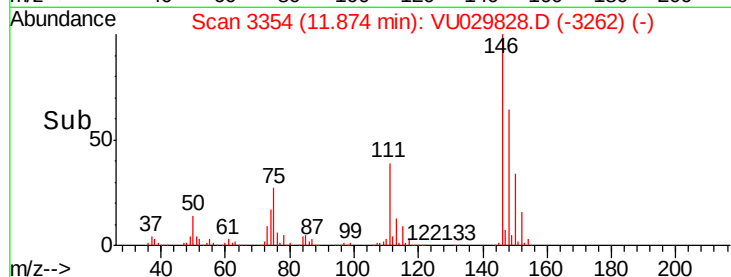
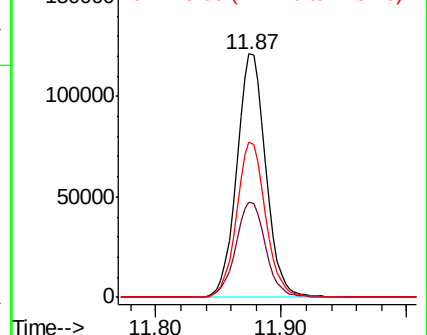
148 63.6 52.2 78.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.154 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

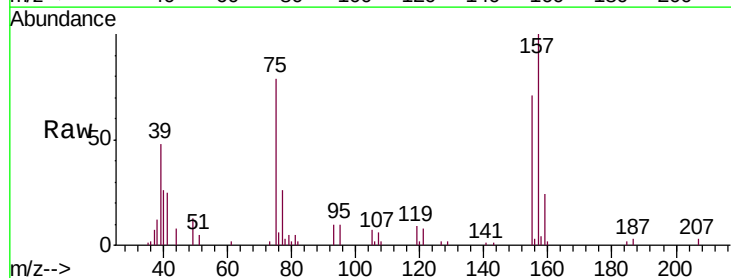
Tgt Ion: 75 Resp: 11681

Ion Ratio Lower Upper

75 100

155 89.2 75.5 113.3

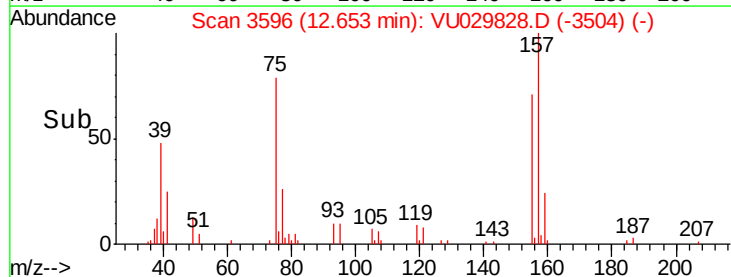
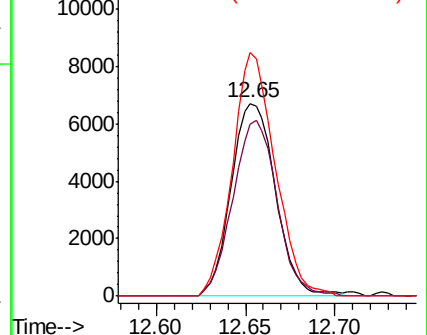
157 126.1 93.8 140.6

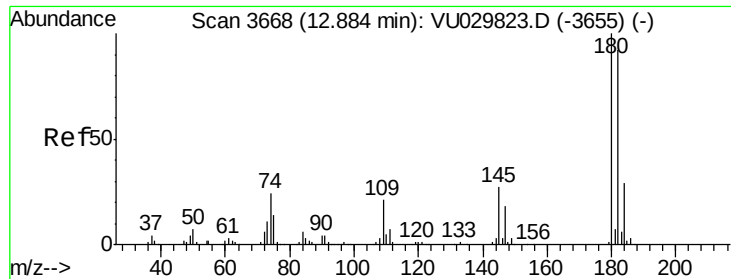


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

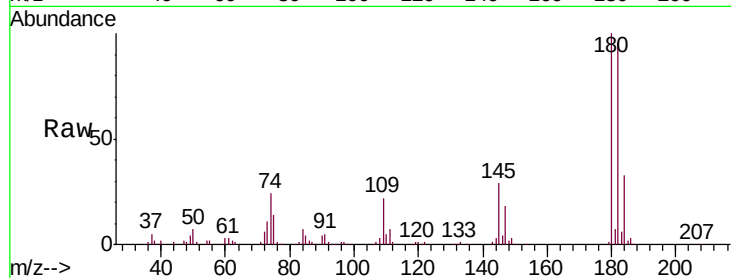




#67
 1,3,5-Trichlorobenzene
 Concen: 4.816 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.0	115.6
184	32.1	25.0	37.4
145	28.8	22.4	33.6



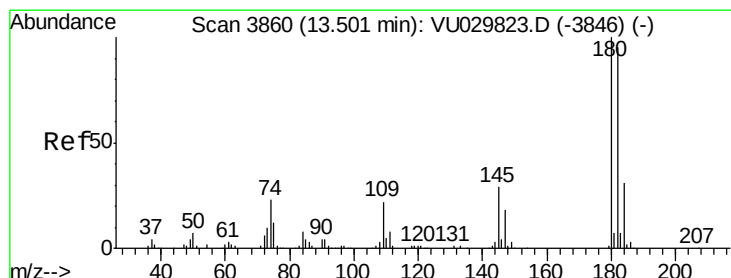
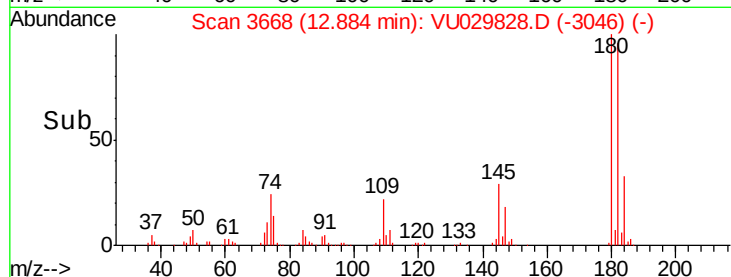
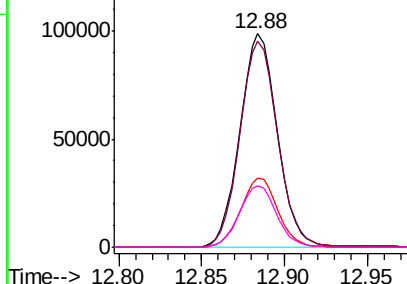
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

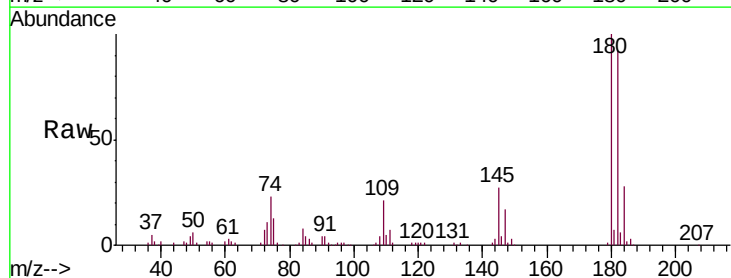
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.881 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029828.D
 Acq: 05 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	27.8	22.4	33.6

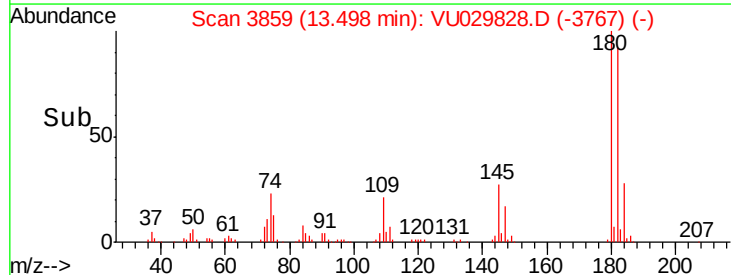
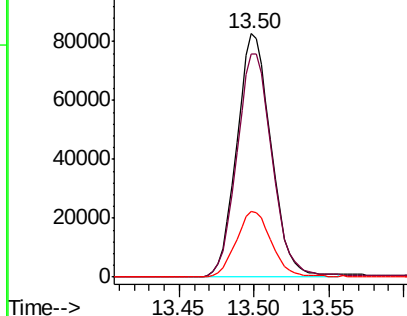


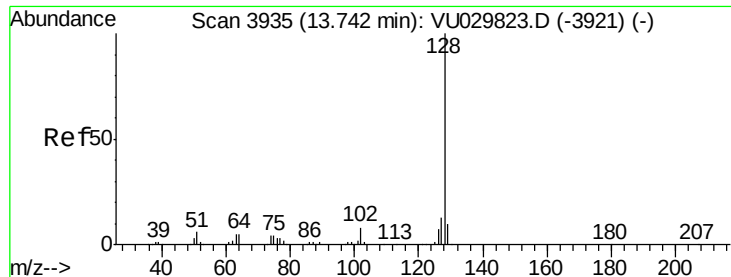
Abundance

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: 4.998 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

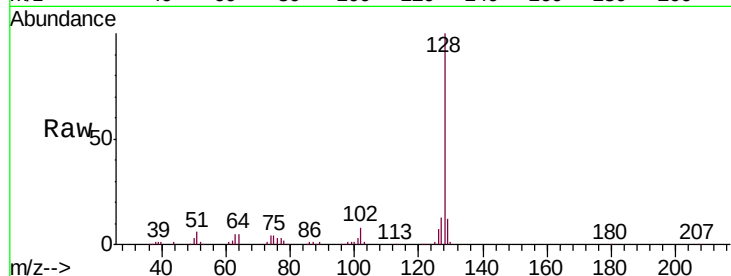
Tgt Ion:128 Resp: 209975

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

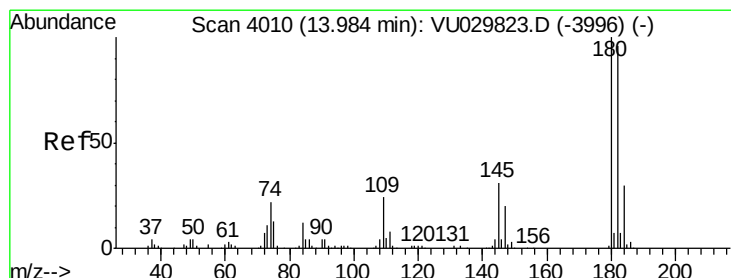
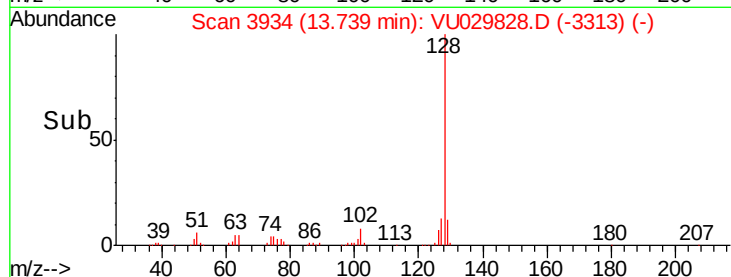
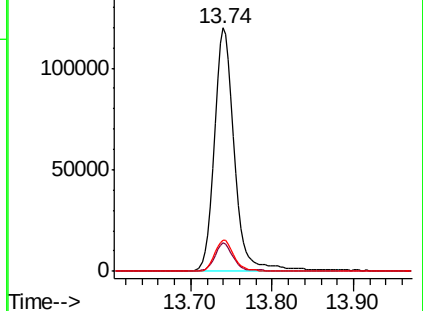
127 12.3 10.0 15.0



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: 4.915 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029828.D

Acq: 05 Mar 2019 18:38

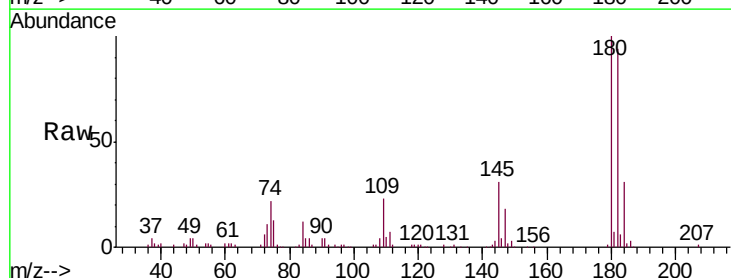
Tgt Ion:180 Resp: 125072

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.4

145 30.9 24.2 36.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

