

Data File : VU029293.D
Acq On : 25 Jan 2019 17:11
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

Quant Time: Jan 28 02:26:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 02:17:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	61672	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	65124	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	34256	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29273	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.68	69	22511	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.27	63	52270	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	4.20	46	67038	55.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.34%
24) Chloroform-d	4.65	84	51846	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.31	65	28361	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.34	84	94876	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.33	67	28983	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.56	98	90223	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	7.85	79	13215	5.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.00%
46) 2-Hexanone-d5	8.31	63	62671	55.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26262	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	37035	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	44059	5.163 ug/L	97
3) Chloromethane	1.32	50	37061	4.952 ug/L	98
5) Vinyl chloride	1.40	62	37858	5.059 ug/L	98
6) Bromomethane	1.63	94	20423	5.068 ug/L	98
8) Chloroethane	1.70	64	20700	4.950 ug/L	100
9) Trichlorofluoromethane	1.89	101	52081	5.233 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	25825	5.103 ug/L	98
12) 1,1-Dichloroethene	2.28	96	23771	5.096 ug/L	98
13) Acetone	2.32	43	42477	47.113 ug/L	98
14) Carbon disulfide	2.48	76	79933	4.948 ug/L	98
15) Methyl Acetate	2.62	43	10930	5.058 ug/L	100
16) Methylene chloride	2.70	84	25353	4.631 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	60895	5.029 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	25385	5.015 ug/L	98
19) 1,1-Dichloroethane	3.44	63	45447	5.033 ug/L	98
21) 2-Butanone	4.28	43	68496	52.487 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	25586	5.028 ug/L	98

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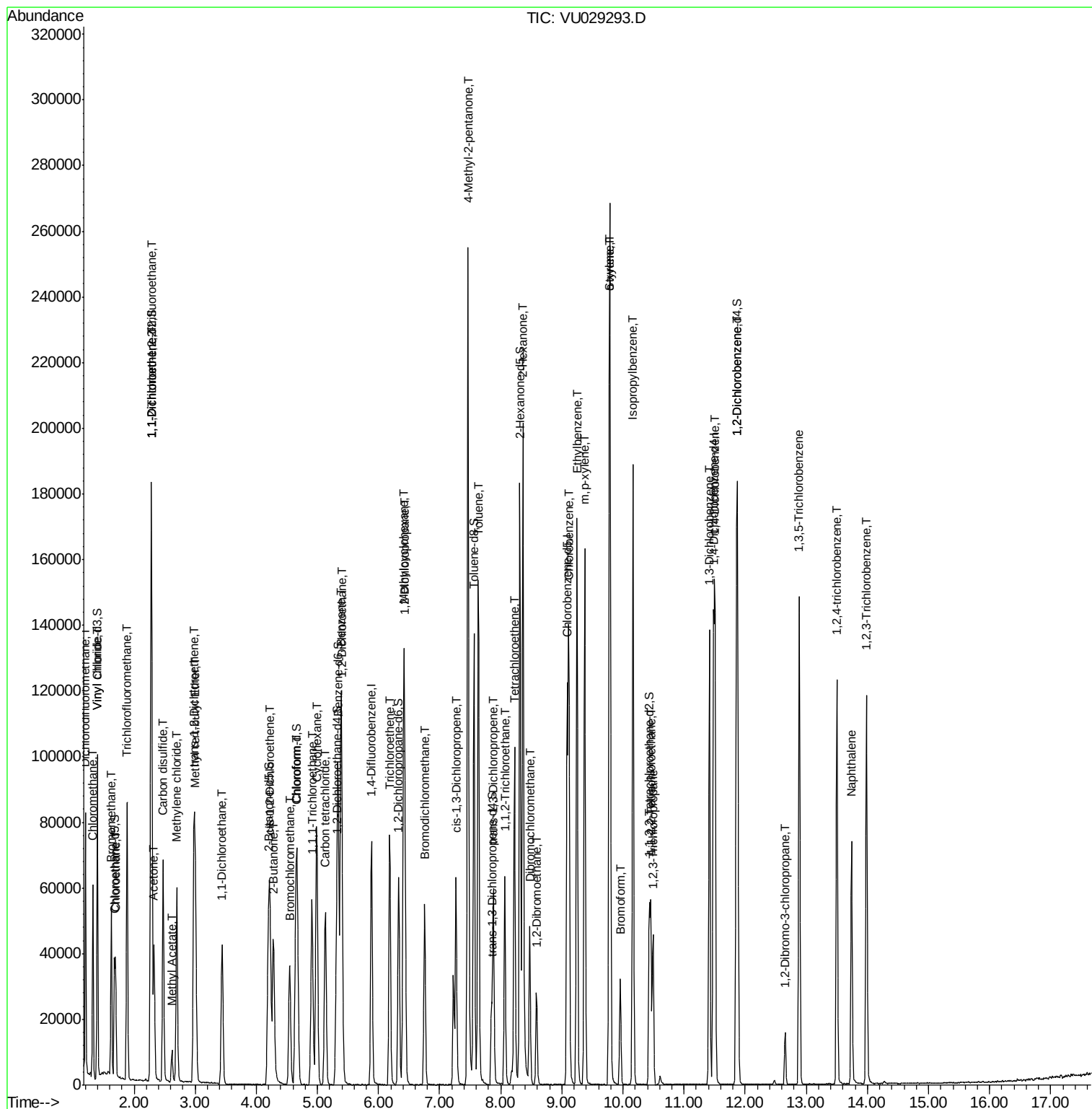
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	12080	5.226	ug/L	96
25) Chloroform	4.67	83	49208	5.203	ug/L	99
27) 1,2-Dichloroethane	5.41	62	34977	5.400	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	44180	5.004	ug/L	97
30) Cyclohexane	4.99	56	38791	4.886	ug/L	95
31) Carbon tetrachloride	5.13	117	37833	5.023	ug/L	100
33) Benzene	5.39	78	100053	4.926	ug/L	100
34) Trichloroethene	6.18	95	26274	4.885	ug/L	98
35) Methylcyclohexane	6.41	83	40289	4.685	ug/L	98
37) 1,2-Dichloropropane	6.43	63	27167	5.067	ug/L	100
38) Bromodichloromethane	6.76	83	35064	4.949	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	37307	4.841	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	165519	51.167	ug/L	99
42) Toluene	7.63	91	111634	5.093	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	33899	5.059	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	19538	5.070	ug/L	97
47) Tetrachloroethene	8.22	164	24063	5.097	ug/L	99
48) 2-Hexanone	8.36	43	123985	52.589	ug/L	99
49) Dibromochloromethane	8.48	129	24616	5.145	ug/L	99
50) 1,2-Dibromoethane	8.58	107	18083	4.851	ug/L	90
51) Chlorobenzene	9.12	112	69518	4.825	ug/L	95
52) Ethylbenzene	9.25	91	116409	4.841	ug/L	97
53) m,p-xylene	9.37	106	45680	5.000	ug/L	98
54) o-xylene	9.78	106	43569	5.012	ug/L	92
55) Styrene	9.79	104	77699	5.137	ug/L	98
56) Isopropylbenzene	10.16	105	114778	4.901	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	24945	4.968	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	18409	4.985	ug/L	97
61) Bromoform	9.96	173	14377	5.037	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	55730	4.855	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	58298	4.763	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	57330	5.089	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	4484	5.594	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	46155	4.771	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	39796	4.913	ug/L	93
69) Naphthalene	13.74	128	62438	4.868	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	38944	5.163	ug/L	98

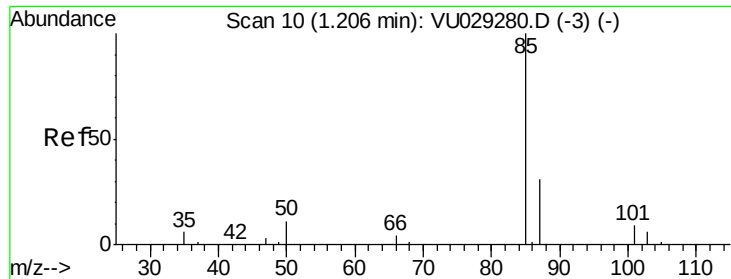
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.163 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

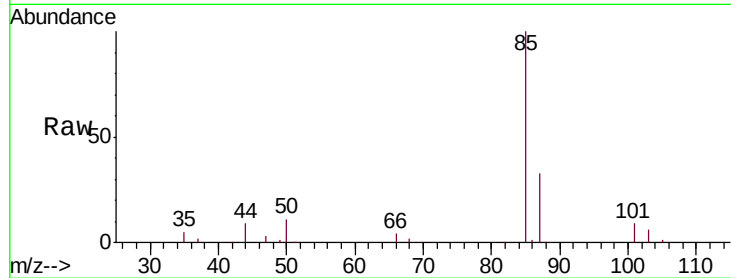
VSTD00548

Tgt Ion: 85 Resp: 44059

Ion Ratio Lower Upper

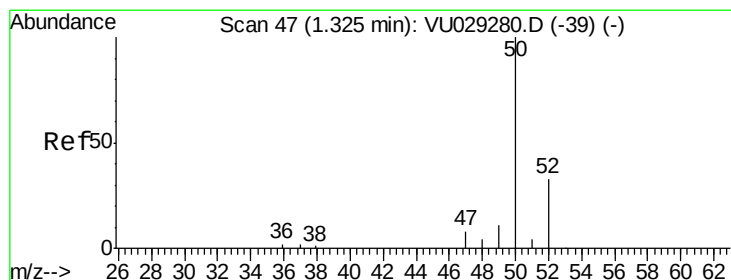
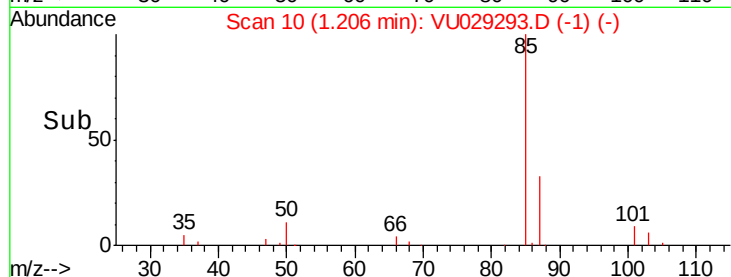
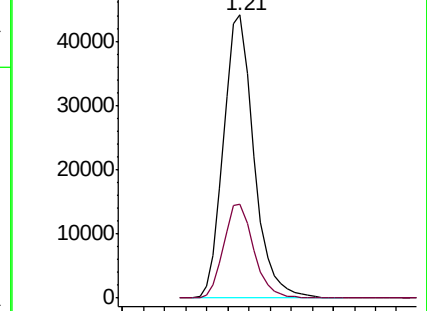
85 100

87 32.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VU029280.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU029280.D (-3) (-)



#3

Chloromethane

Concen: 4.952 ug/L

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU029293.D

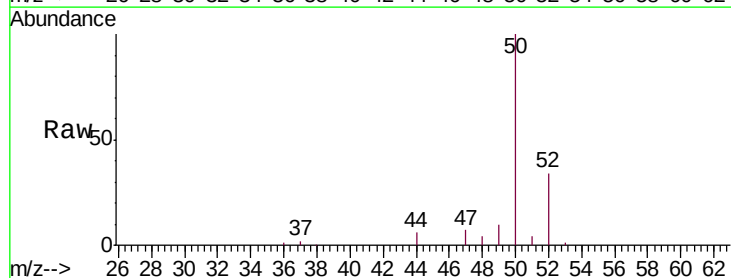
Acq: 25 Jan 2019 17:11

Tgt Ion: 50 Resp: 37061

Ion Ratio Lower Upper

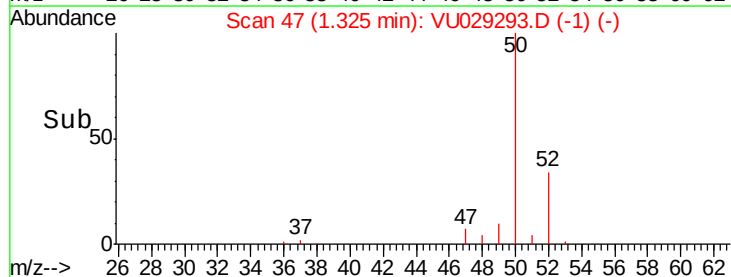
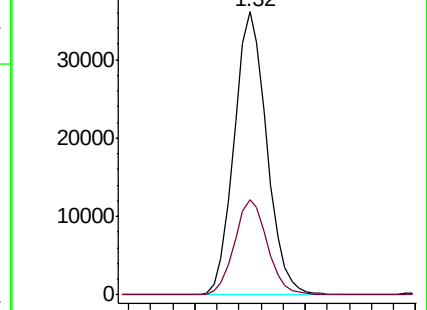
50 100

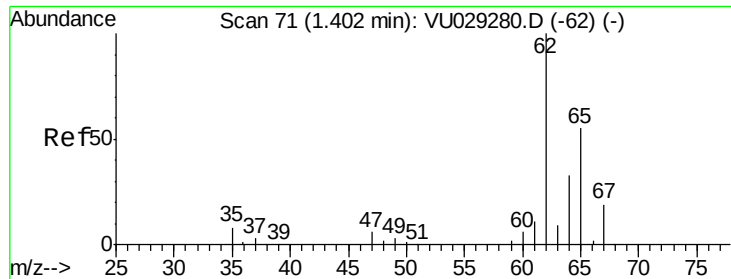
52 33.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU029280.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VU029280.D (-39) (-)





#5

Vinyl chloride

Concen: 5.059 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

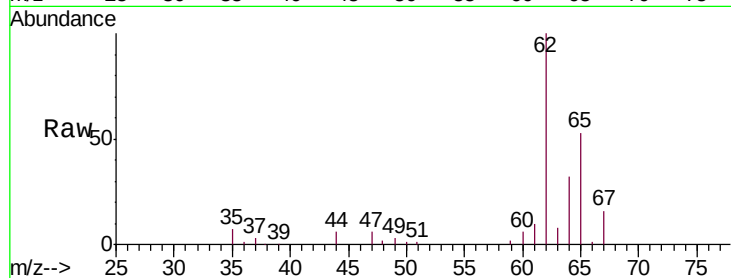
VSTD00548

Tgt Ion: 62 Resp: 37858

Ion Ratio Lower Upper

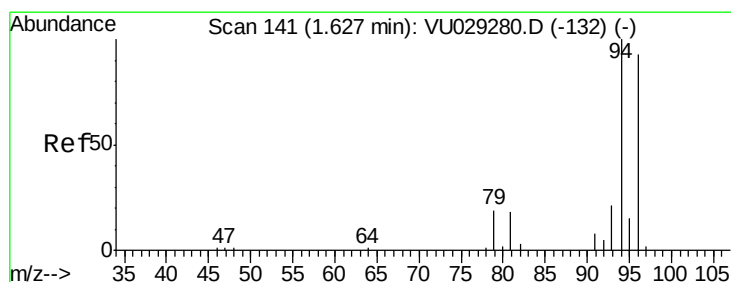
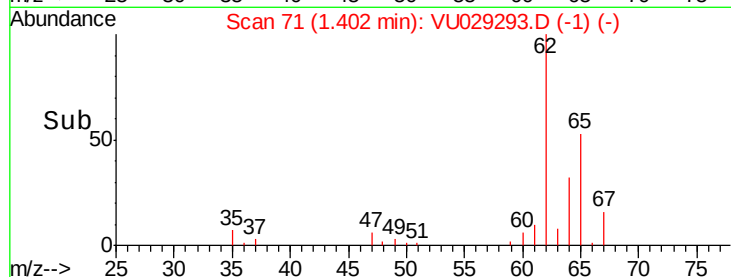
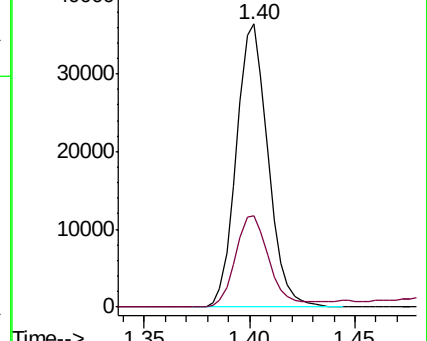
62 100

64 32.4 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.068 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU029293.D

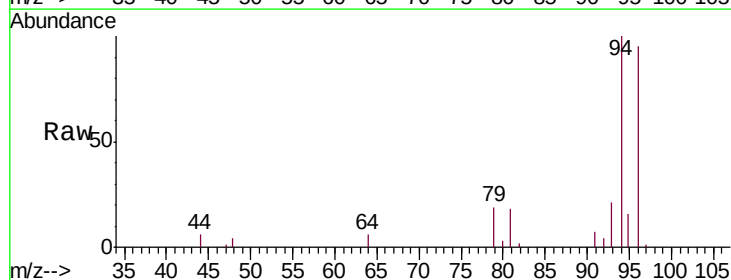
Acq: 25 Jan 2019 17:11

Tgt Ion: 94 Resp: 20423

Ion Ratio Lower Upper

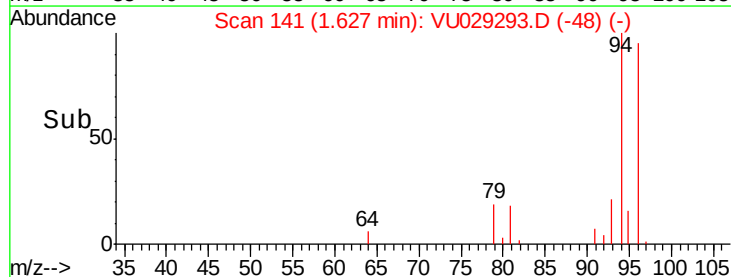
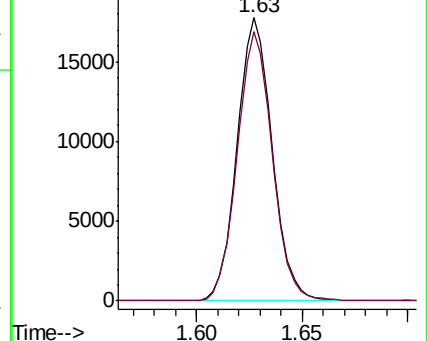
94 100

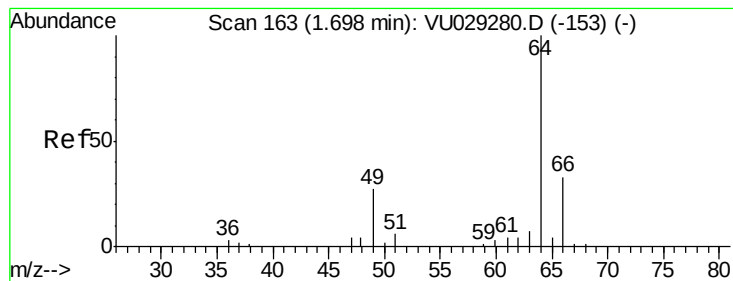
96 95.0 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.950 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

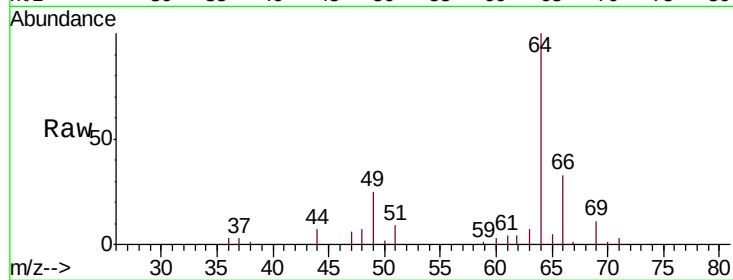
VSTD00548

Tgt Ion: 64 Resp: 20700

Ion Ratio Lower Upper

64 100

66 32.6 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU029280.D (-153) (-)

Ion 66.05 (65.75 to 66.75): VU029280.D (-153) (-)

1.70

15000

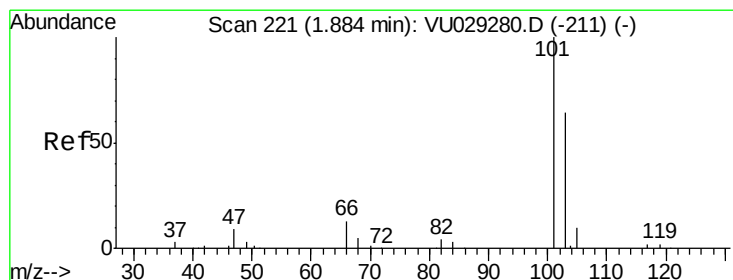
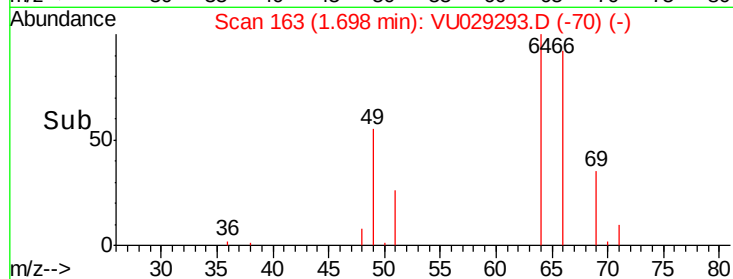
10000

5000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 5.233 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU029293.D

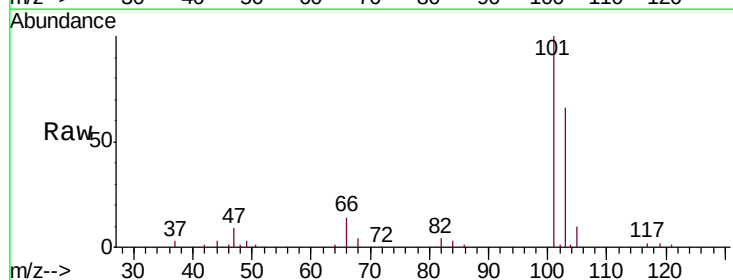
Acq: 25 Jan 2019 17:11

Tgt Ion: 101 Resp: 52081

Ion Ratio Lower Upper

101 100

103 65.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU029280.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU029280.D (-211) (-)

1.89

40000

30000

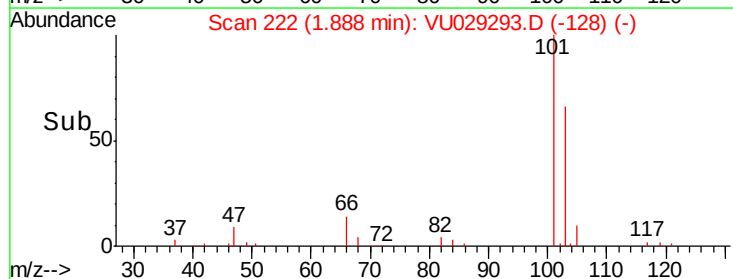
20000

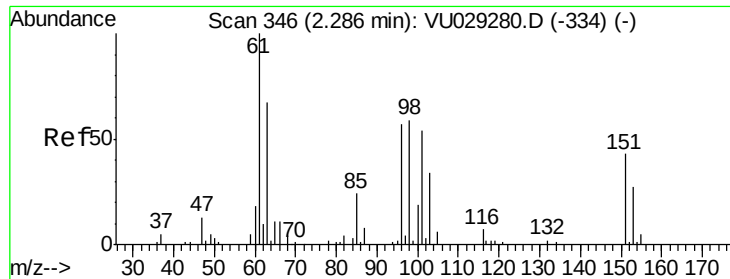
10000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 5.103 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU029293.D

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ClientSampleId :

VSTD00548

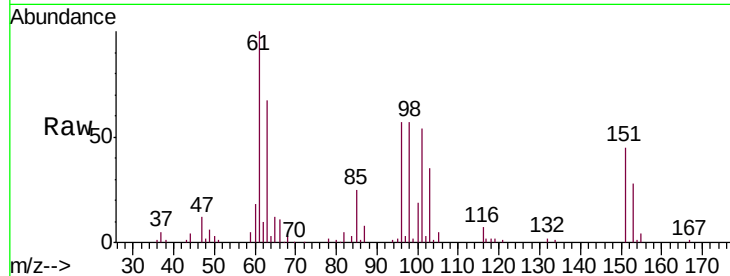
Tgt Ion: 101 Resp: 25825

Ion Ratio Lower Upper

101 100

85 45.1 36.2 54.2

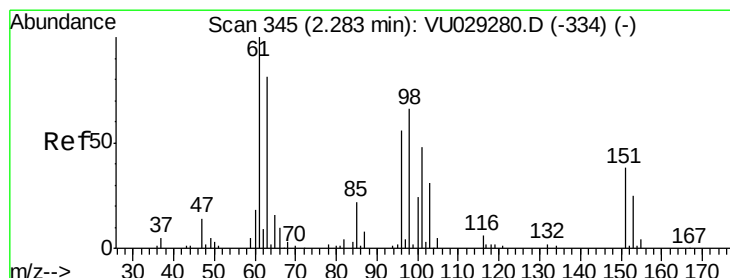
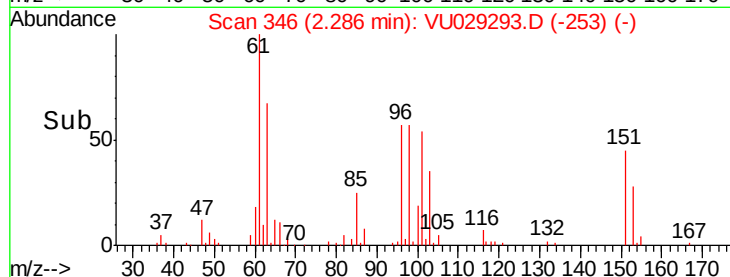
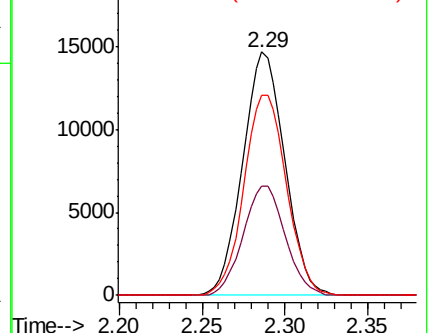
151 83.3 64.5 96.7



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: 5.096 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

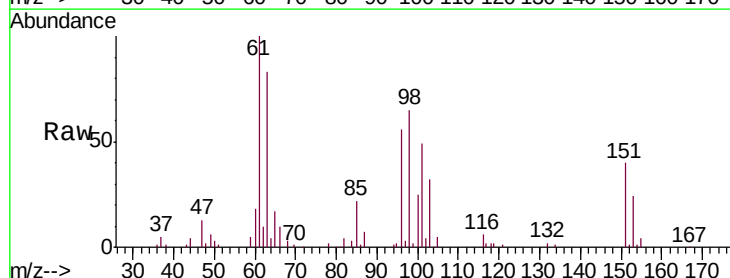
Tgt Ion: 96 Resp: 23771

Ion Ratio Lower Upper

96 100

61 177.9 125.4 233.0

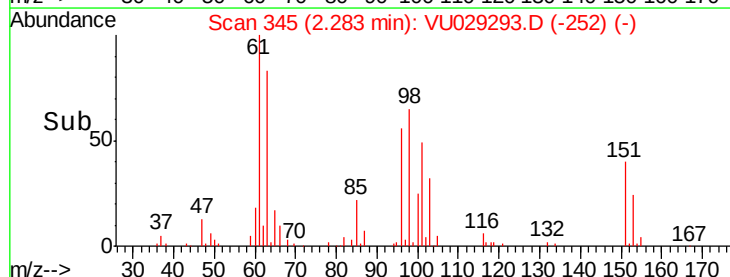
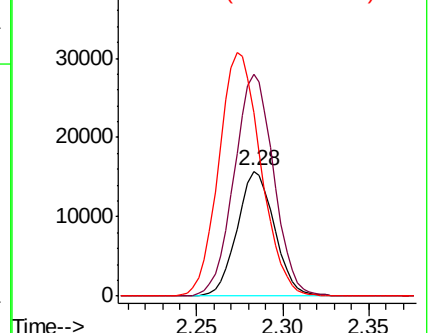
63 146.9 105.8 196.4

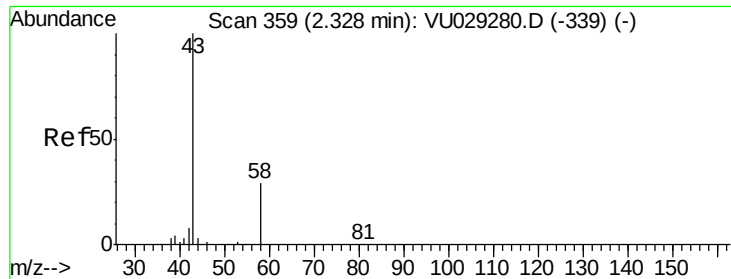


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.113 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

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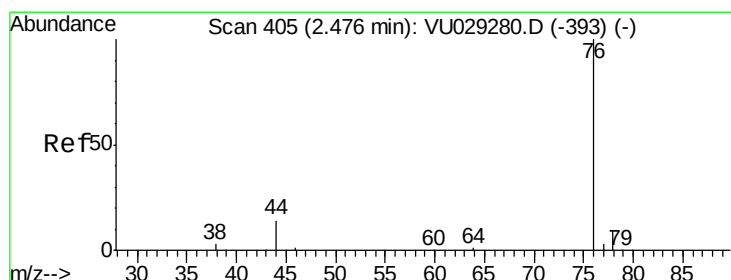
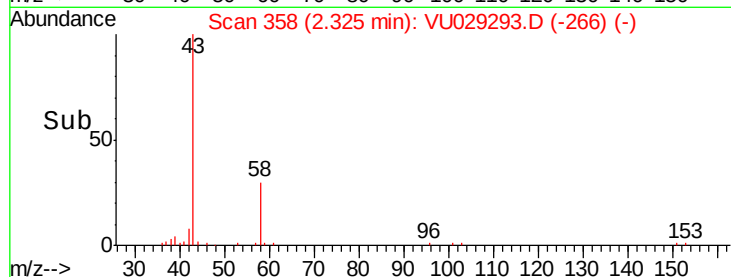
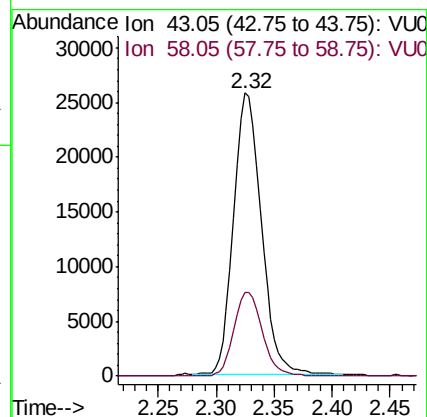
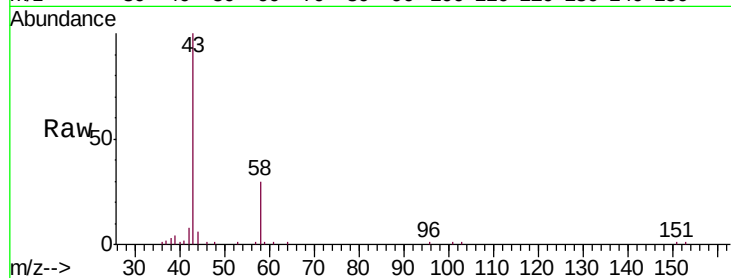
VSTD00548

Tgt Ion: 43 Resp: 42477

Ion Ratio Lower Upper

43 100

58 30.4 0.0 58.8



#14

Carbon disulfide

Concen: 4.948 ug/L

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

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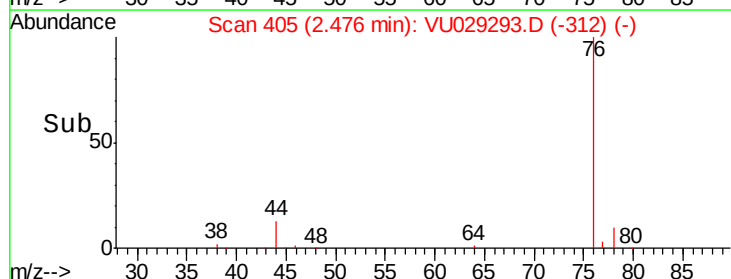
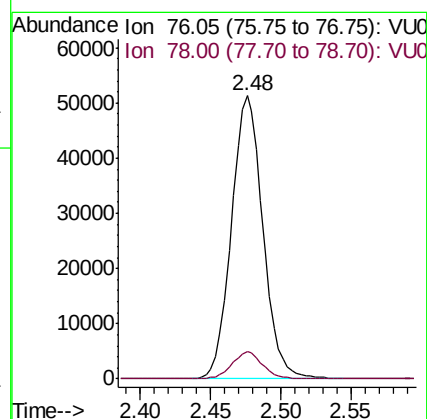
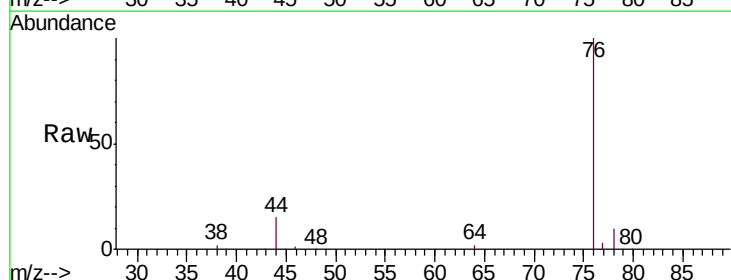
Acq: 25 Jan 2019 17:11

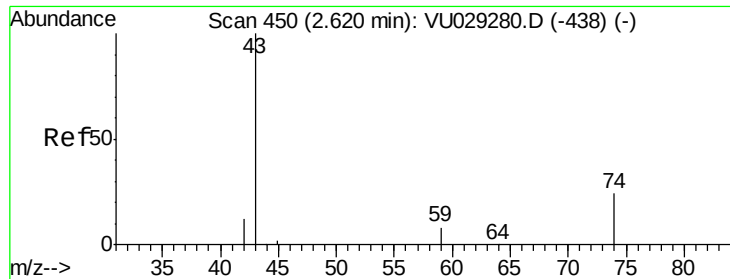
Tgt Ion: 76 Resp: 79933

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

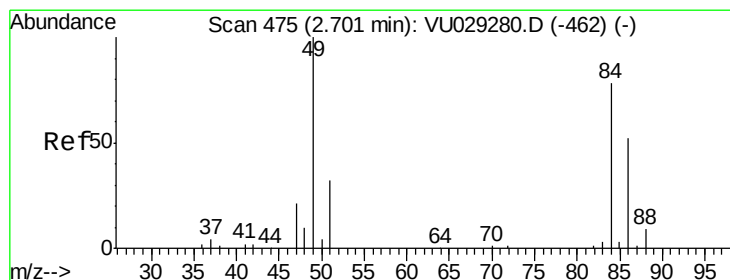
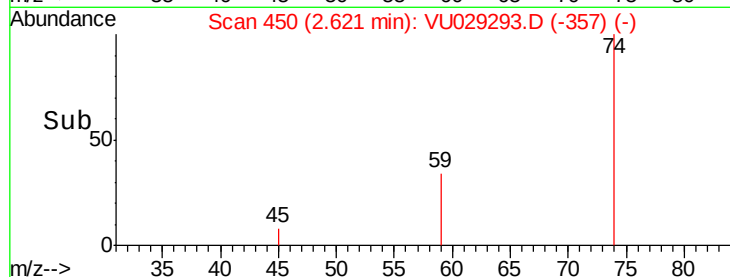
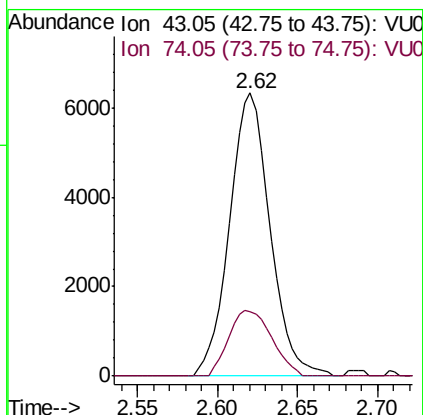
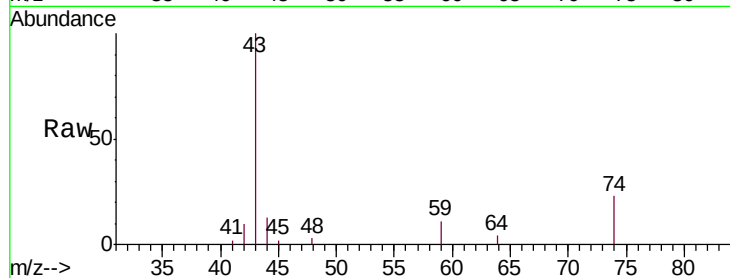




#15
Methyl Acetate
Concen: 5.058 ug/L
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU029293.D
Acq: 25 Jan 2019 17:11

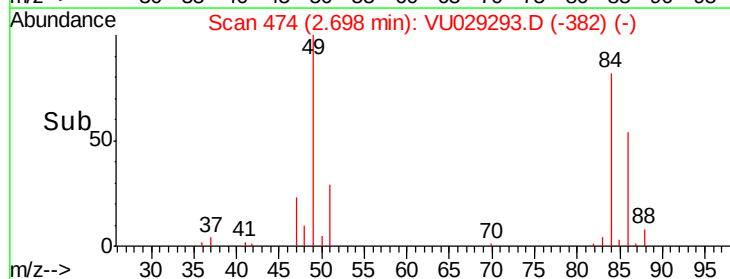
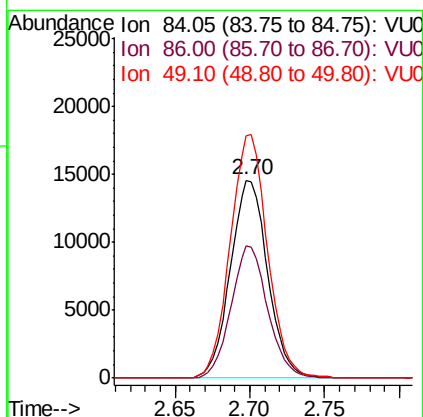
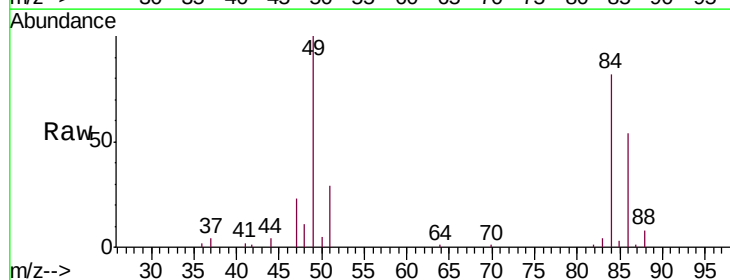
Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

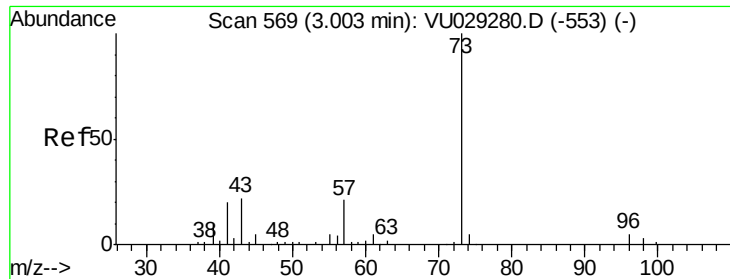
Tgt Ion: 43 Resp: 10930
Ion Ratio Lower Upper
43 100
74 24.6 19.5 29.3



#16
Methylene chloride
Concen: 4.631 ug/L
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029293.D
Acq: 25 Jan 2019 17:11

Tgt Ion: 84 Resp: 25353
Ion Ratio Lower Upper
84 100
86 66.6 46.1 85.7
49 122.4 89.3 165.9





#17

Methyl tert-butyl Ether

Concen: 5.029 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

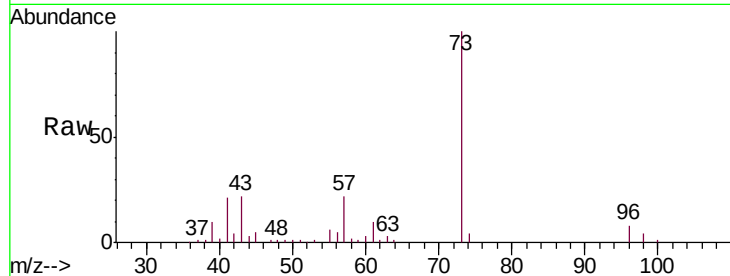
Tgt Ion: 73 Resp: 60895

Ion Ratio Lower Upper

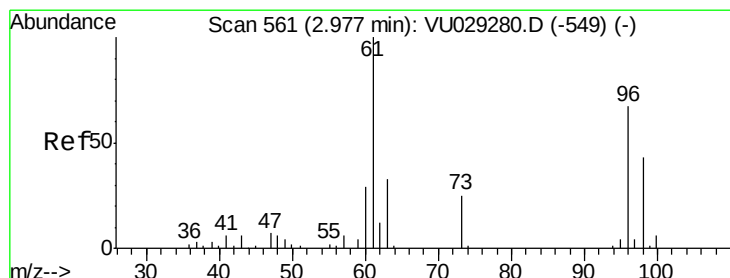
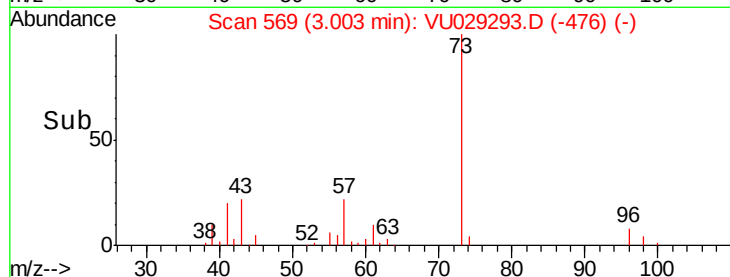
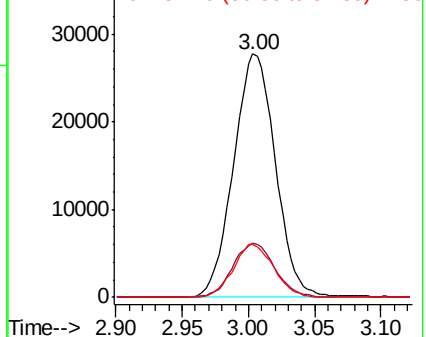
73 100

43 22.2 17.4 26.2

57 21.1 17.1 25.7



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: 5.015 ug/L

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

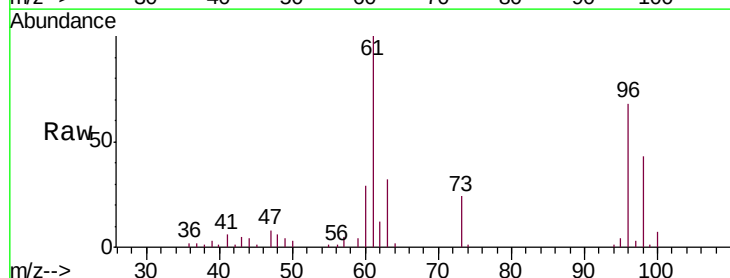
Tgt Ion: 96 Resp: 25385

Ion Ratio Lower Upper

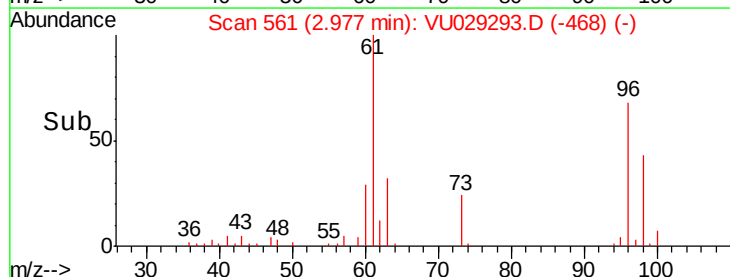
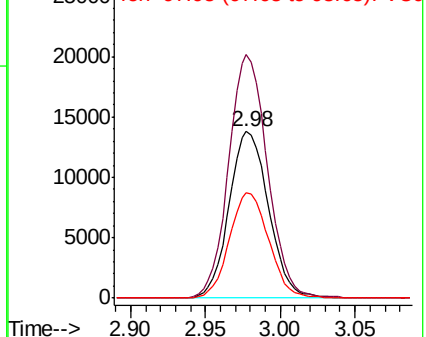
96 100

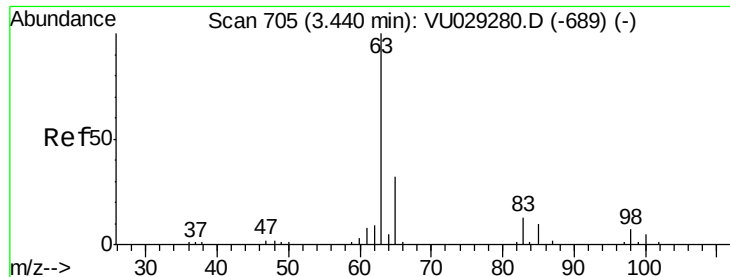
61 146.0 104.4 194.0

98 63.5 45.4 84.2



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

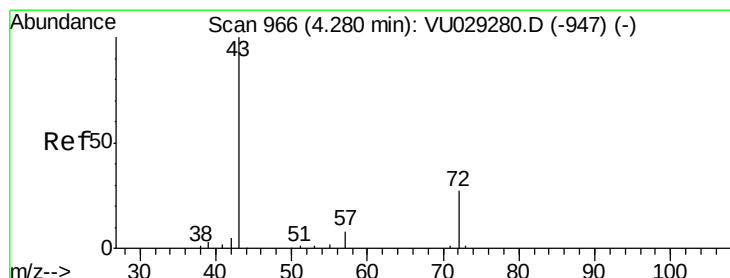
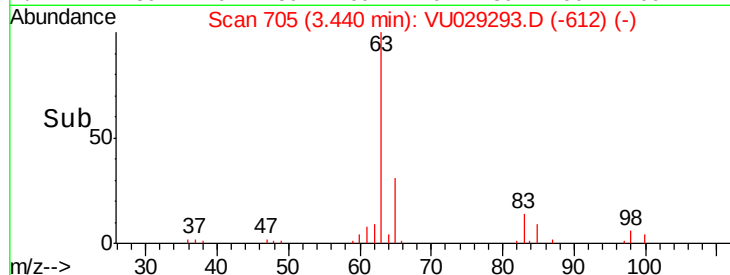
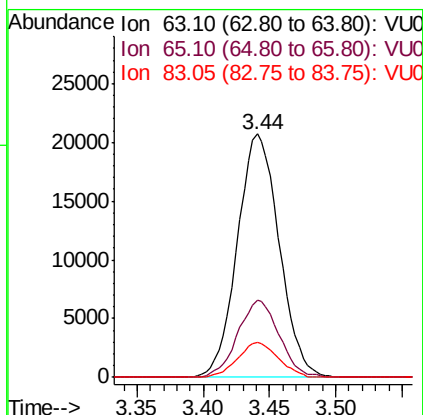
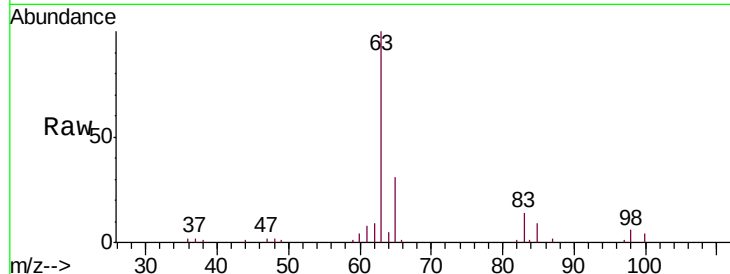




#19
 1,1-Dichloroethane
 Concen: 5.033 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

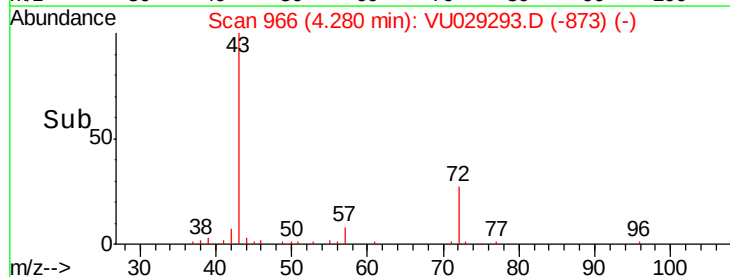
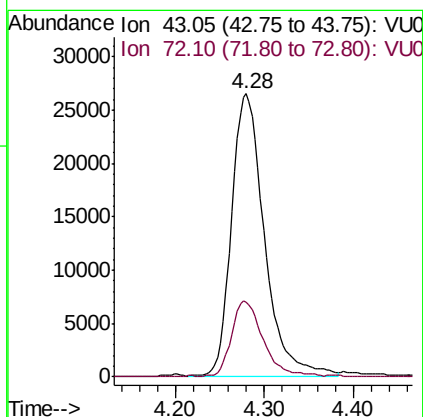
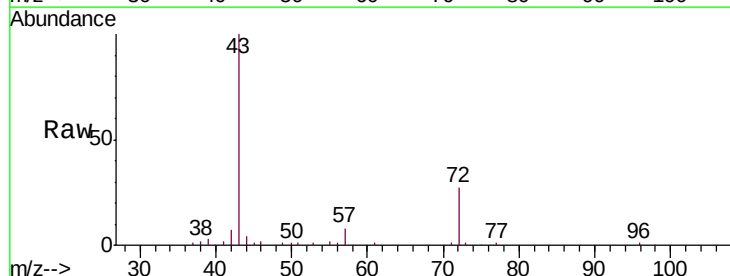
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00548

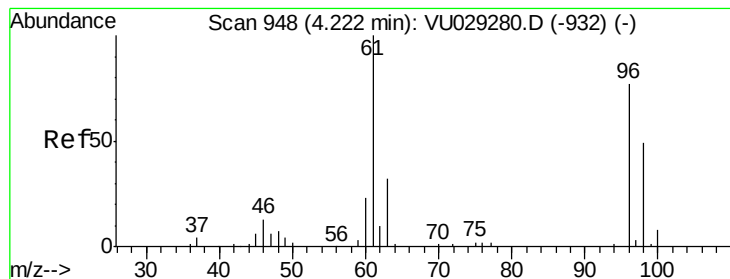
Tgt Ion: 63 Resp: 45447
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.7 42.1
 83 14.3 9.4 17.6



#21
 2-Butanone
 Concen: 52.487 ug/L
 RT: 4.28 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion: 43 Resp: 68496
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.4 40.2



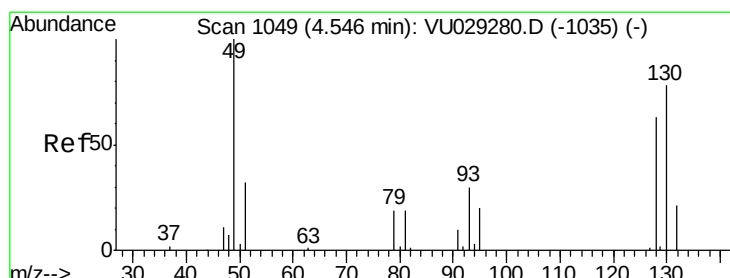
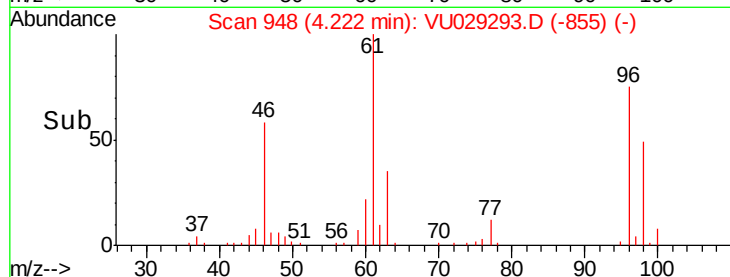
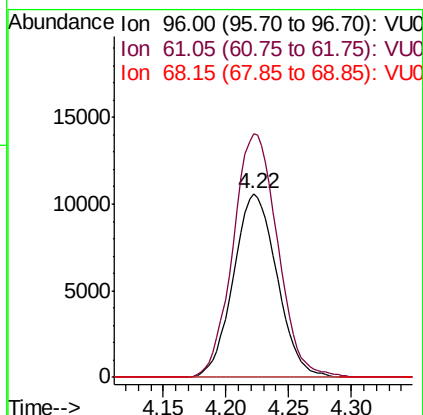
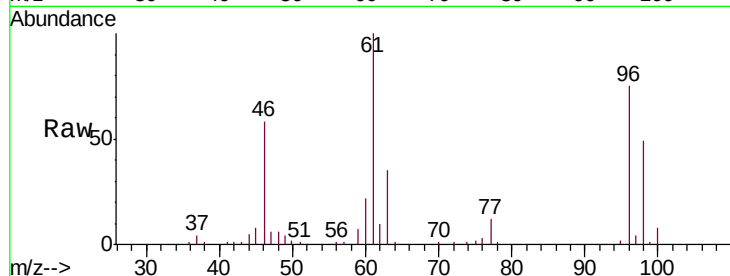


#22

cis-1,2-Dichloroethene
 Concen: 5.028 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

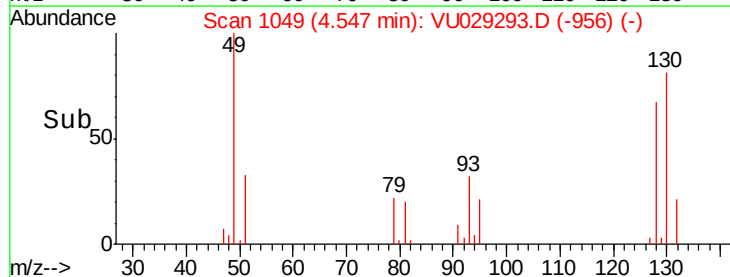
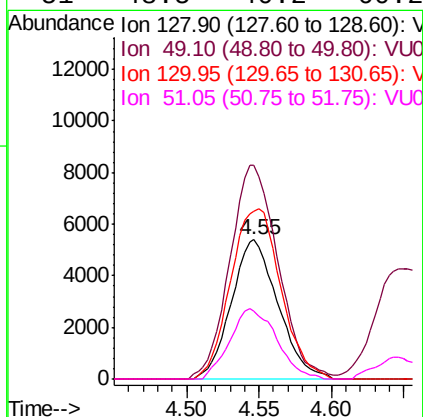
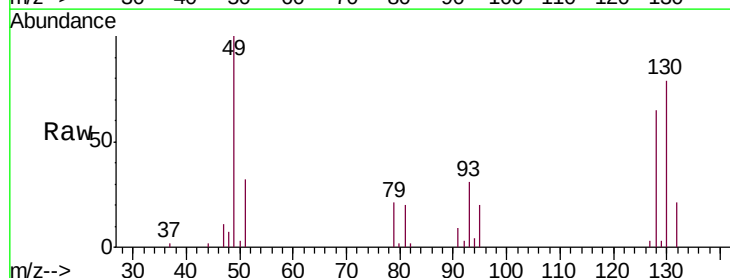
Tgt Ion: 96 Resp: 25586
 Ion Ratio Lower Upper
 96 100
 61 132.5 90.7 168.5
 68 0.0 0.0 0.0

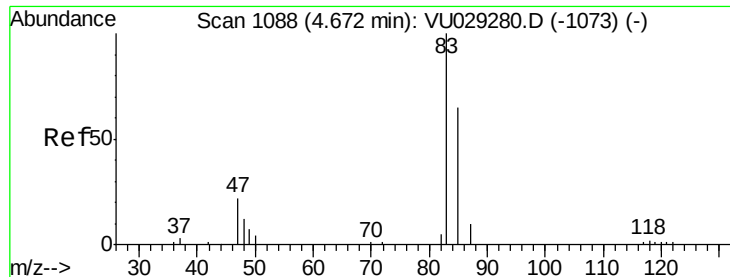


#23

Bromochloromethane
 Concen: 5.226 ug/L
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion: 128 Resp: 12080
 Ion Ratio Lower Upper
 128 100
 49 153.2 111.4 206.8
 130 120.7 87.1 161.7
 51 48.5 40.2 60.2

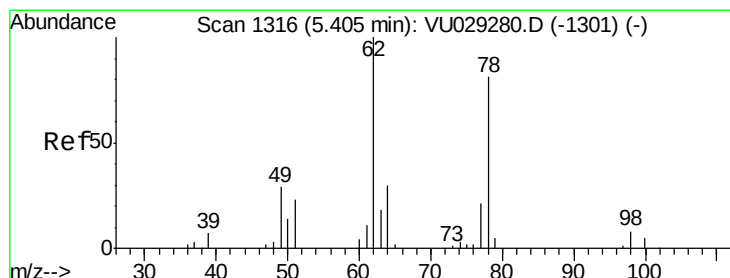
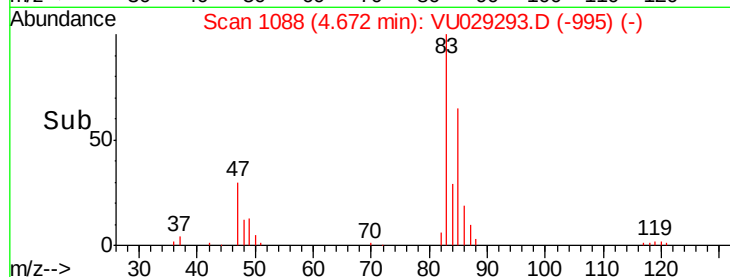
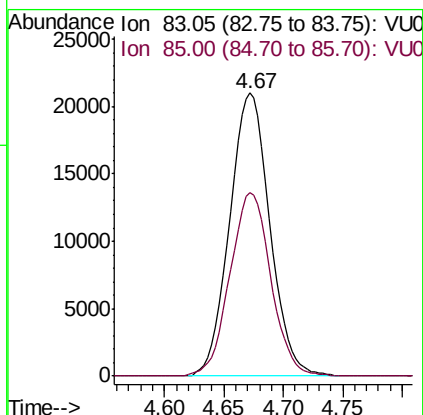
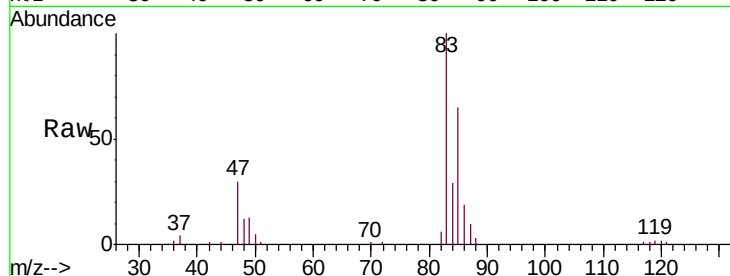




#25
Chloroform
Concen: 5.203 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029293.D
Acq: 25 Jan 2019 17:11

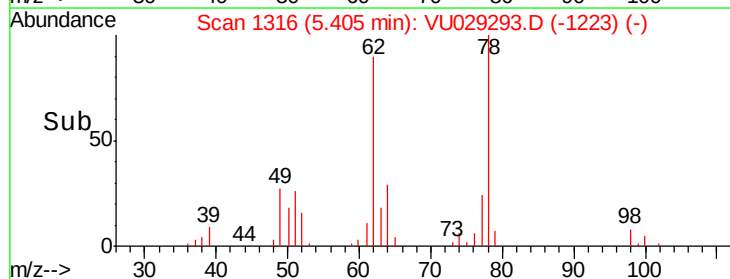
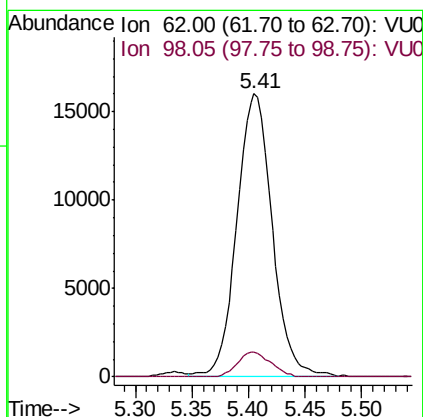
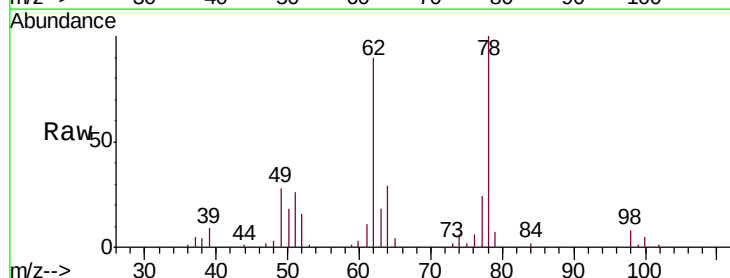
Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

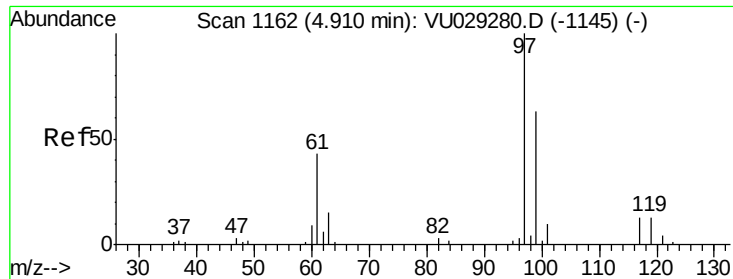
Tgt Ion: 83 Resp: 49208
Ion Ratio Lower Upper
83 100
85 65.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.400 ug/L
RT: 5.41 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029293.D
Acq: 25 Jan 2019 17:11

Tgt Ion: 62 Resp: 34977
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0

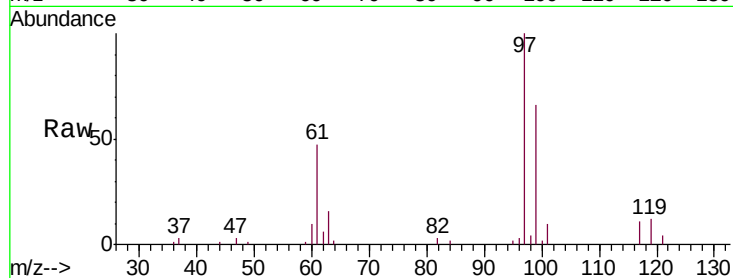




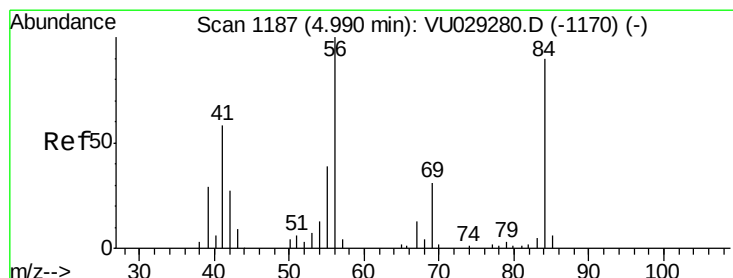
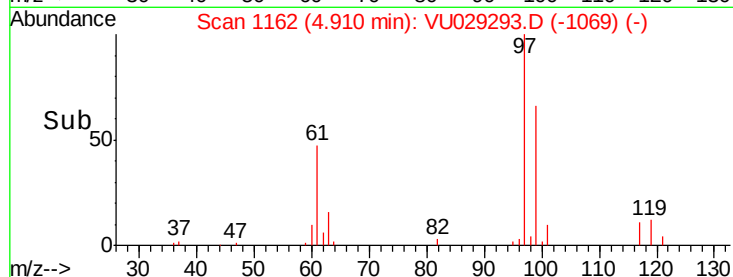
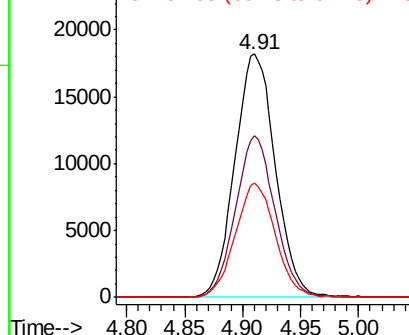
#29
 1,1,1-Trichloroethane
 Concen: 5.004 ug/L
 RT: 4.91 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

Tgt Ion: 97 Resp: 44180
 Ion Ratio Lower Upper
 97 100
 99 64.4 49.8 74.8
 61 46.3 35.0 52.6

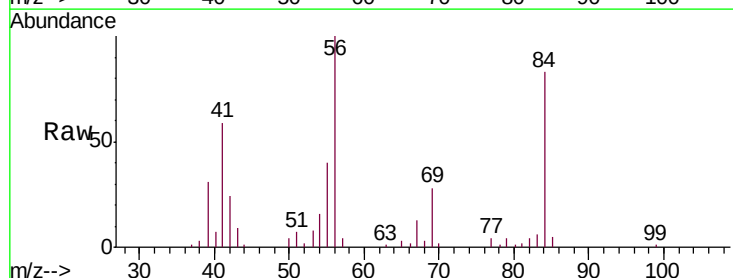


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

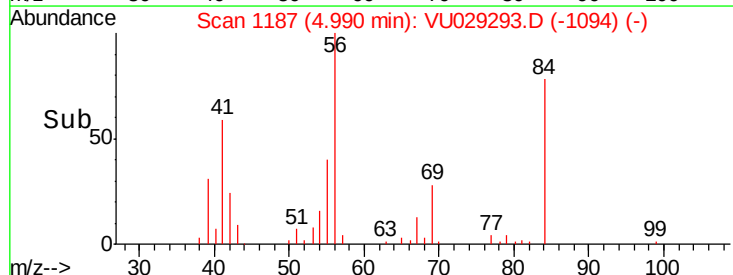
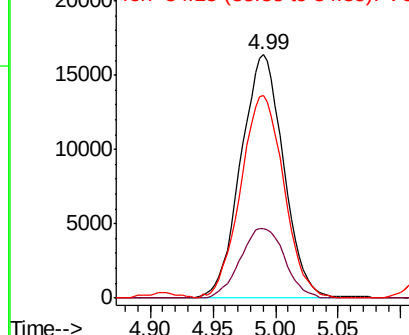


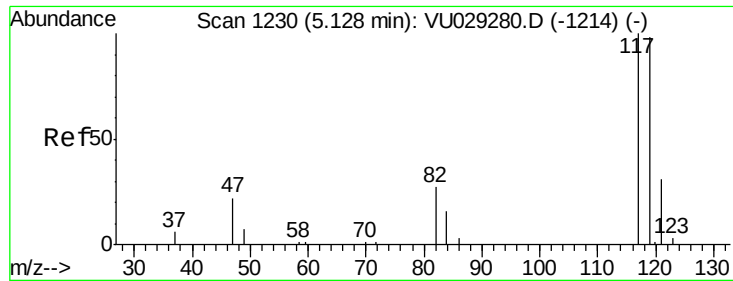
#30
 Cyclohexane
 Concen: 4.886 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion: 56 Resp: 38791
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.2 36.2
 84 84.3 72.3 108.5



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: 5.023 ug/L

RT: 5.13 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

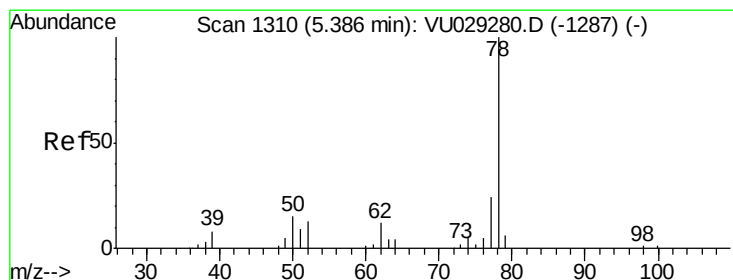
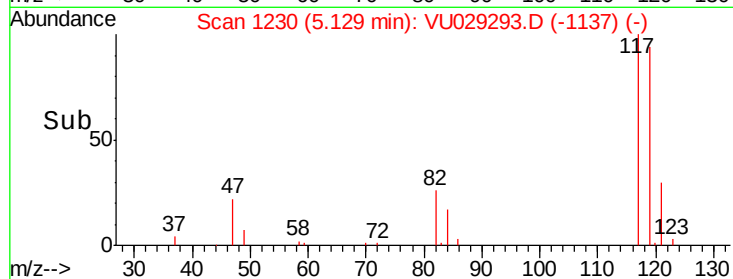
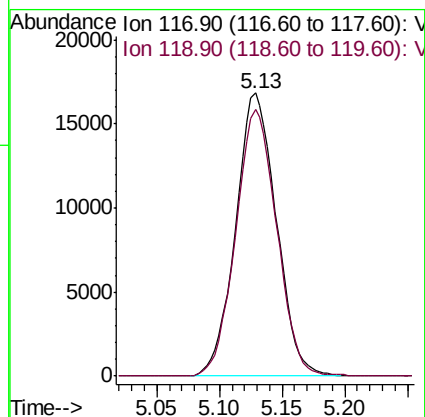
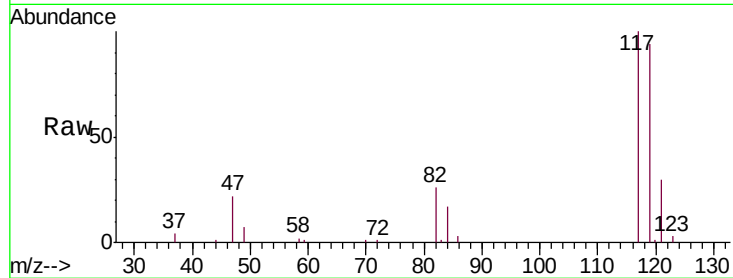
VSTD00548

Tgt Ion:117 Resp: 37833

Ion Ratio Lower Upper

117 100

119 94.7 76.1 114.1



#33

Benzene

Concen: 4.926 ug/L

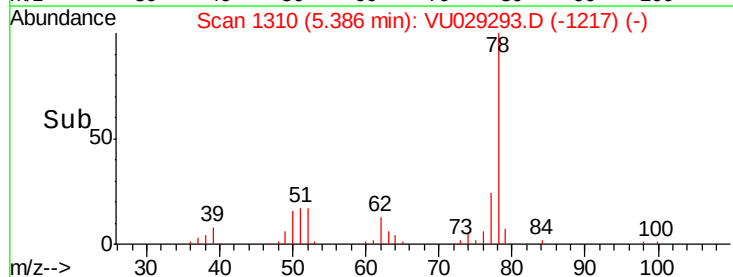
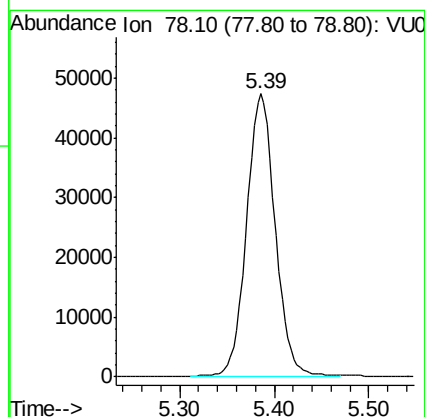
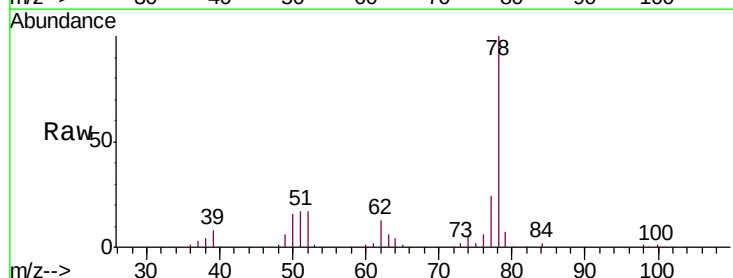
RT: 5.39 min Scan# 1310

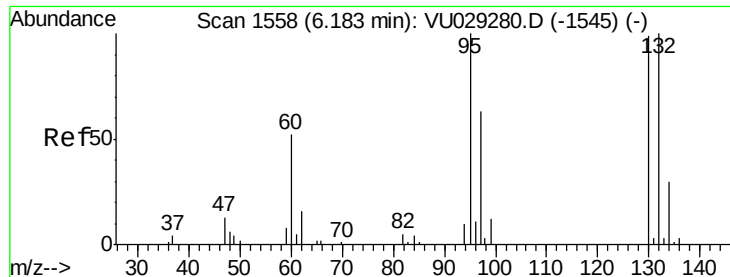
Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Tgt Ion: 78 Resp: 100053





#34

Trichloroethene

Concen: 4.885 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

Tgt Ion: 95 Resp: 26274

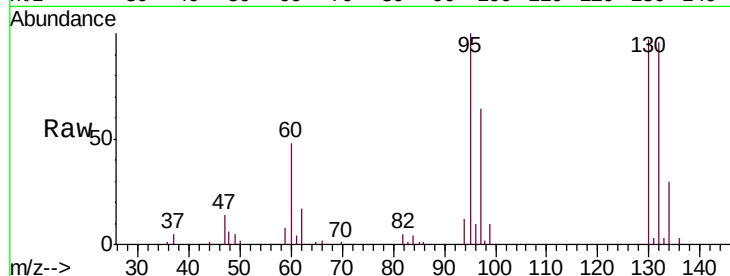
Ion Ratio Lower Upper

95 100

97 63.8 44.3 82.3

132 95.9 69.9 129.9

130 97.1 69.2 128.4

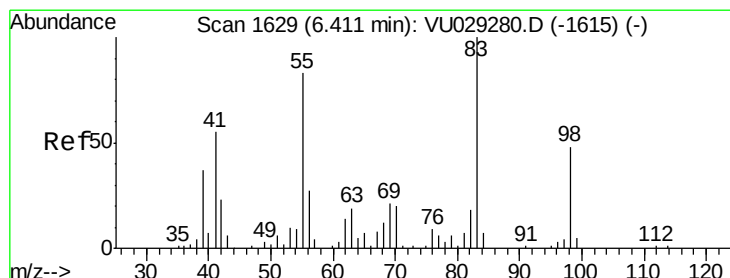
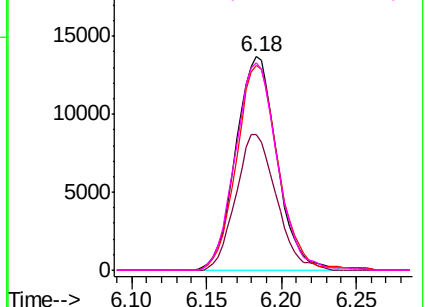
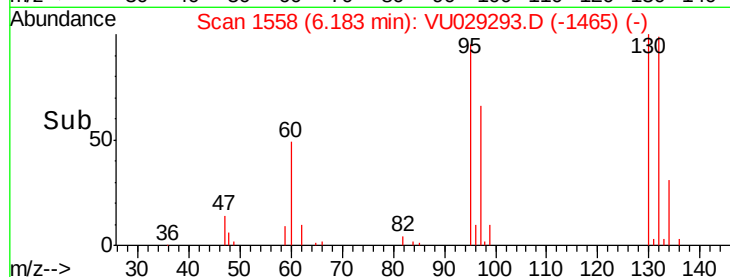


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.685 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

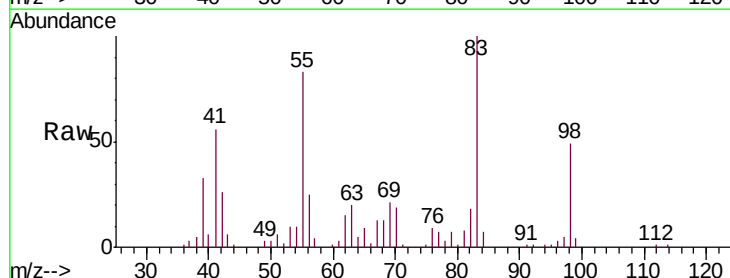
Tgt Ion: 83 Resp: 40289

Ion Ratio Lower Upper

83 100

55 83.6 66.3 99.5

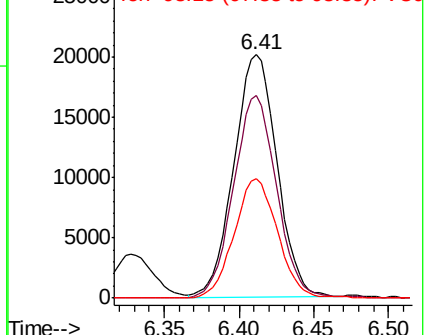
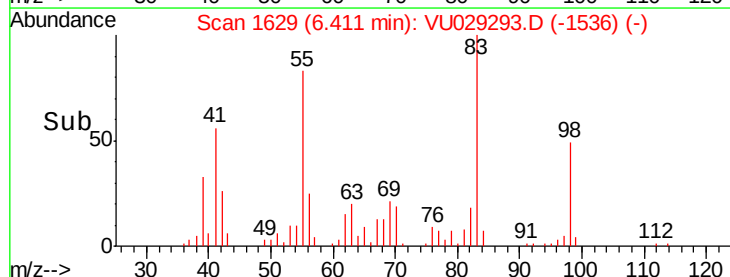
98 49.4 37.9 56.9

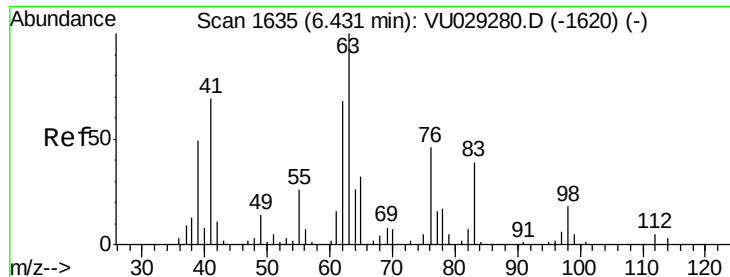


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

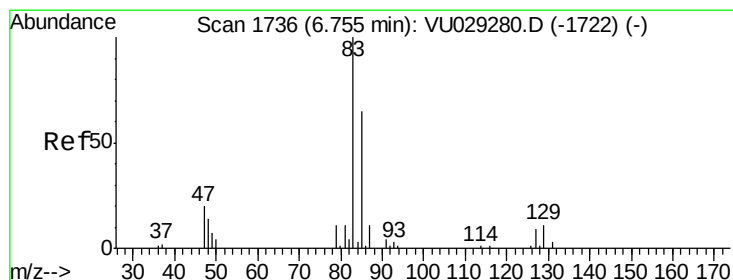
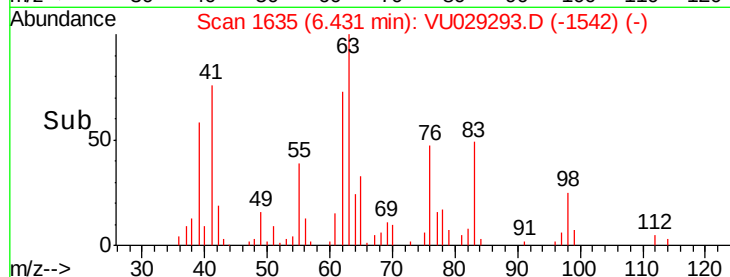
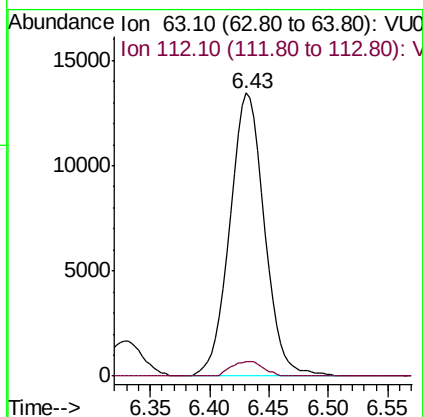
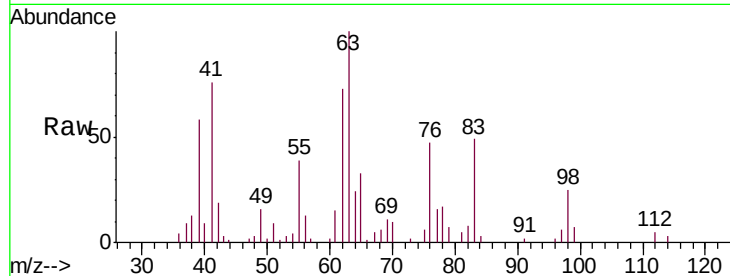




#37
 1,2-Dichloropropane
 Concen: 5.067 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

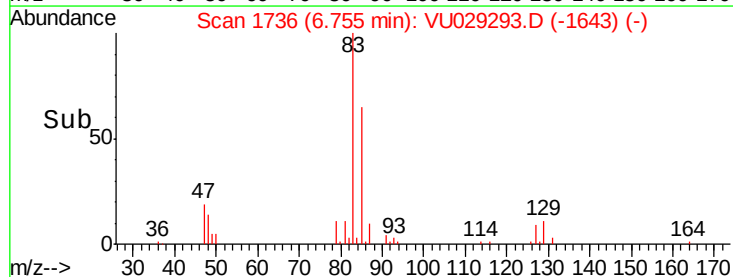
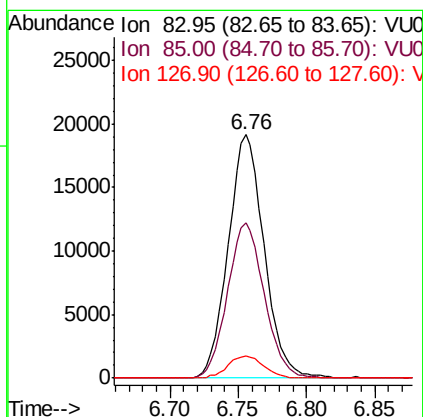
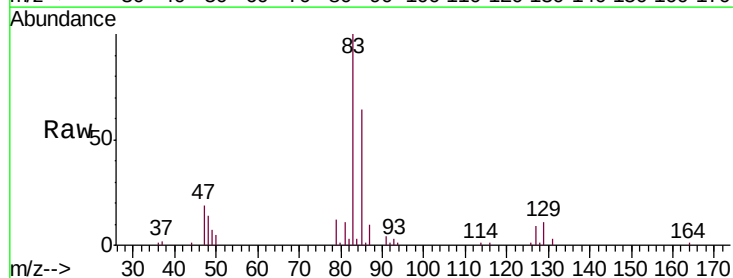
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

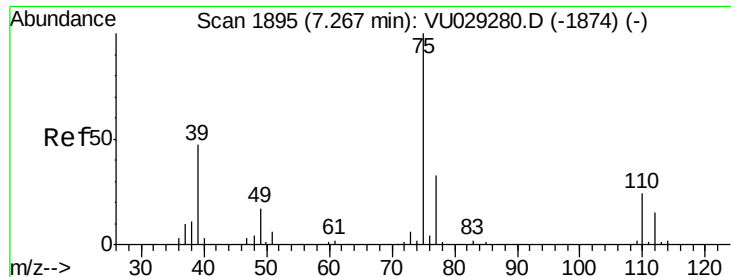
Tgt Ion: 63 Resp: 27167
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.949 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion: 83 Resp: 35064
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.3 84.1
 127 8.9 7.1 10.7

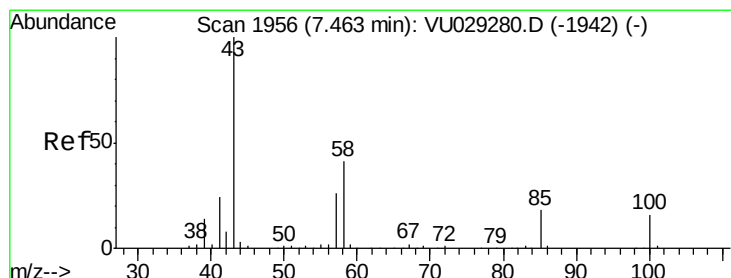
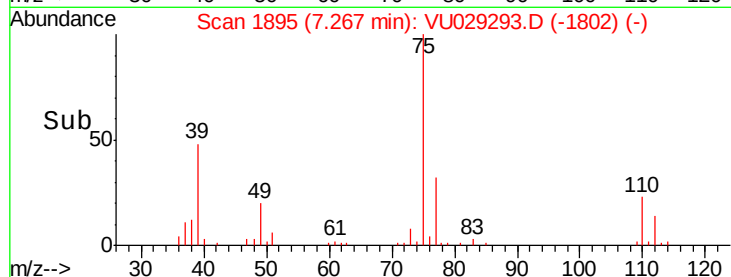
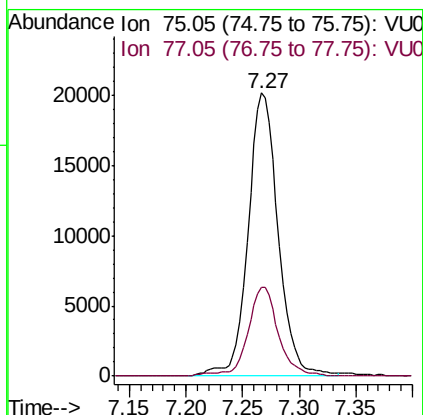
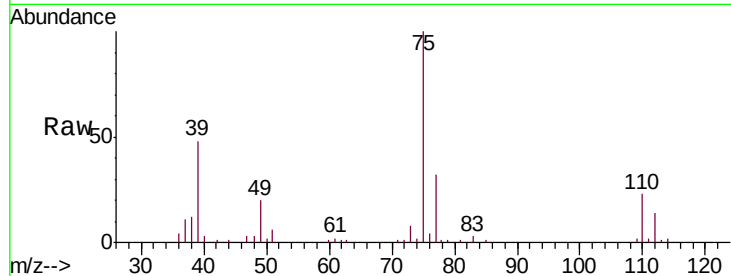




#39
 cis-1,3-Dichloropropene
 Concen: 4.841 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

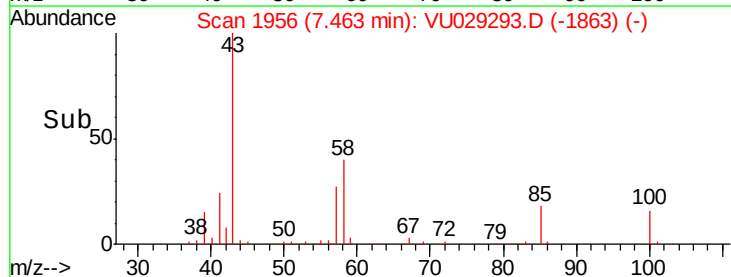
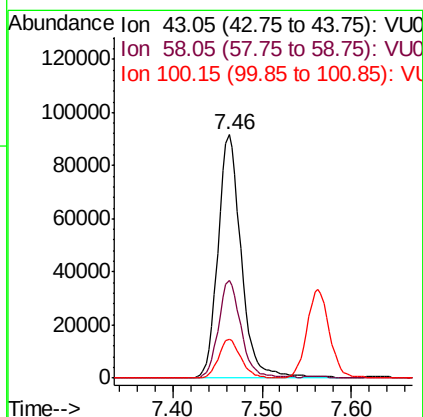
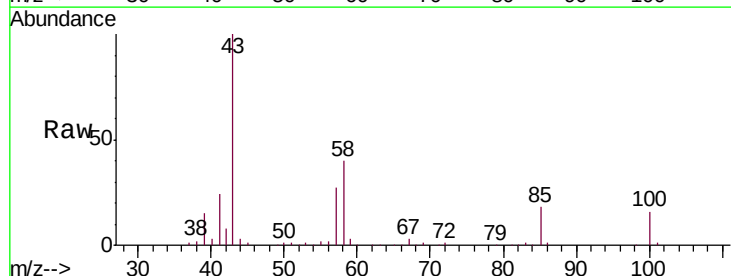
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

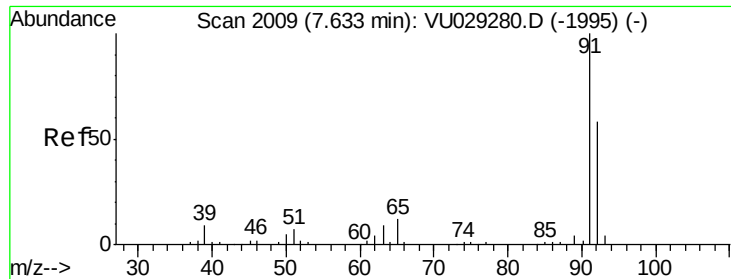
Tgt Ion: 75 Resp: 37307
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 51.167 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion: 43 Resp: 165519
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.8 47.6
 100 15.4 12.4 18.6





#42

Toluene

Concen: 5.093 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

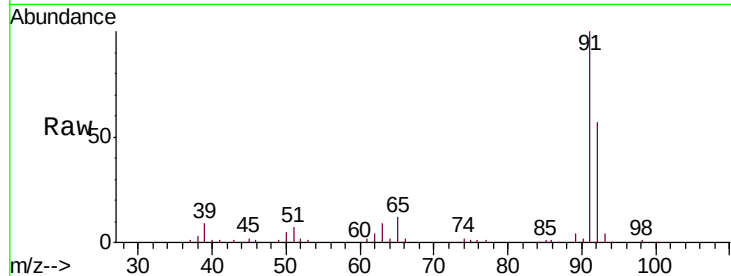
VSTD00548

Tgt Ion: 91 Resp: 111634

Ion Ratio Lower Upper

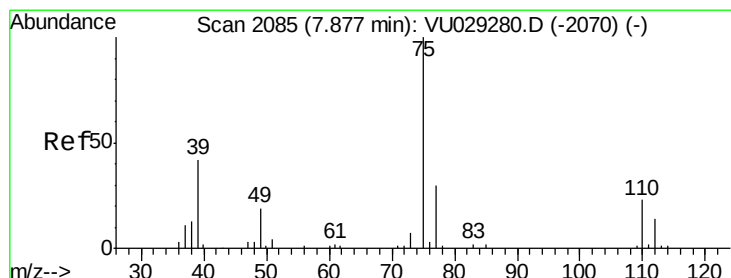
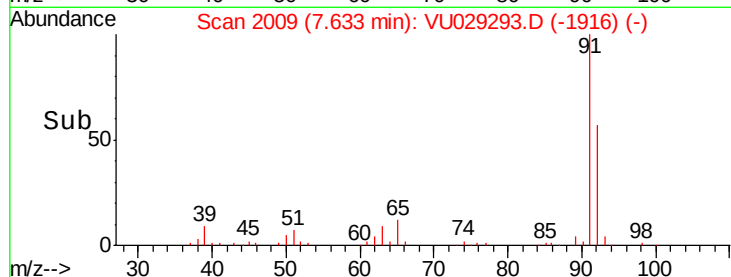
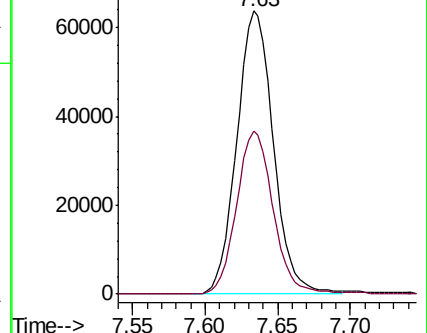
91 100

92 57.5 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU029280.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU029280.D (-1995) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.059 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029293.D

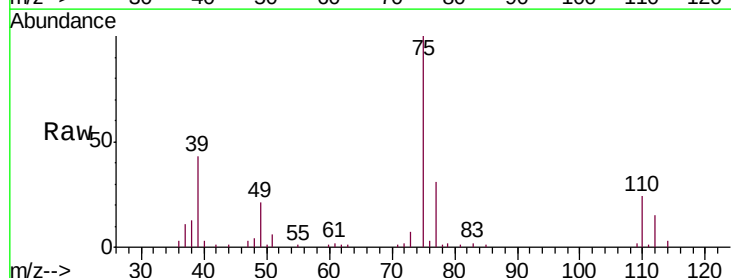
Acq: 25 Jan 2019 17:11

Tgt Ion: 75 Resp: 33899

Ion Ratio Lower Upper

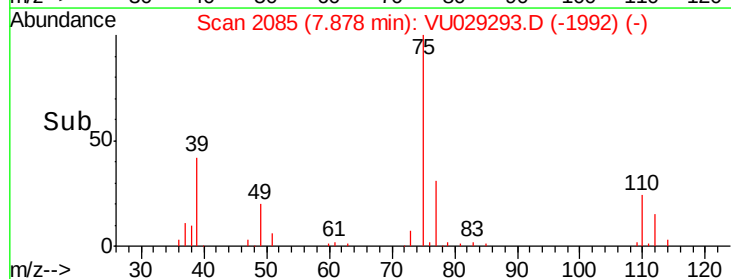
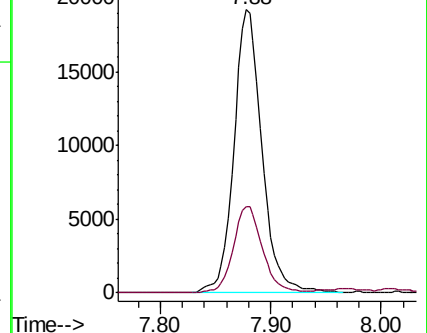
75 100

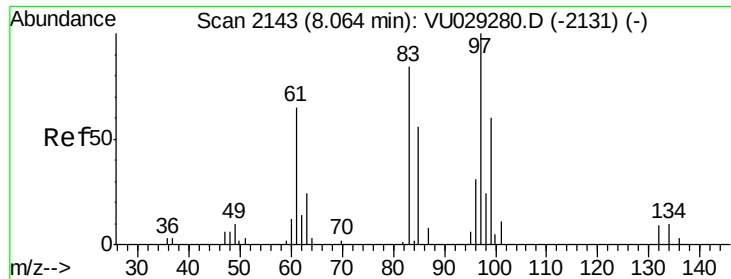
77 30.7 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VU029280.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU029280.D (-2070) (-)

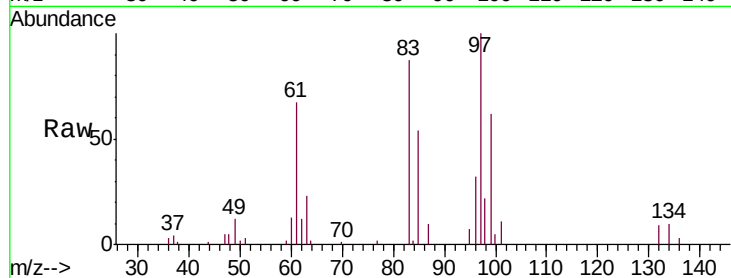




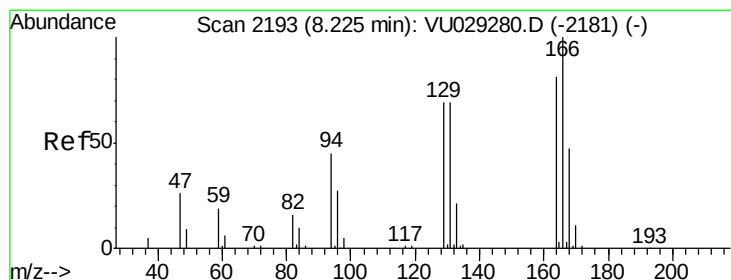
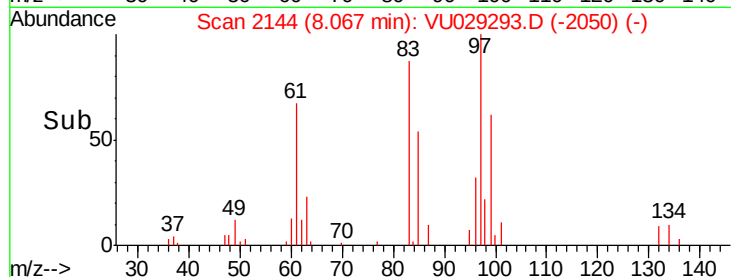
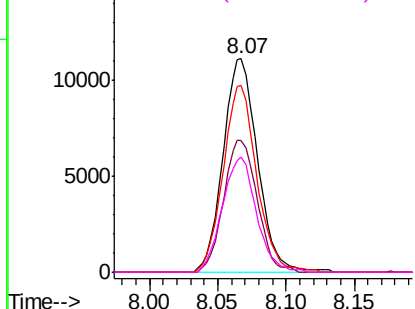
#45
 1,1,2-Trichloroethane
 Concen: 5.070 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

Tgt Ion:	97	Resp:	19538
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.1	78.3
83	87.5	58.7	108.9
85	53.9	39.4	73.2

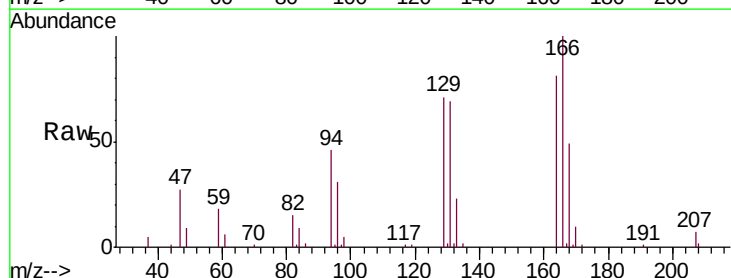


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

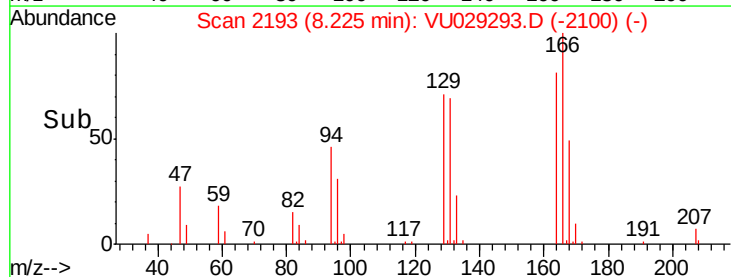
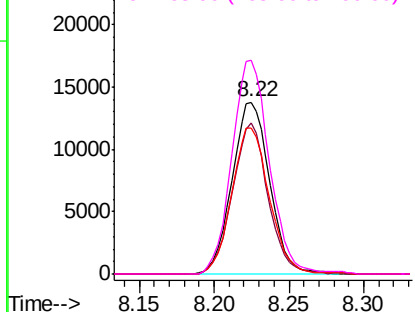


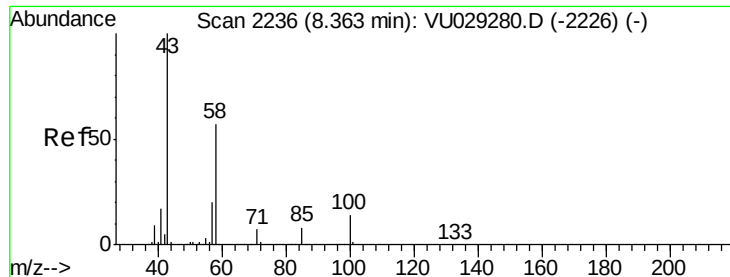
#47
 Tetrachloroethene
 Concen: 5.097 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion:	164	Resp:	24063
Ion	Ratio	Lower	Upper
164	100		
129	87.9	60.1	111.7
131	85.2	59.9	111.3
166	124.2	86.9	161.3



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

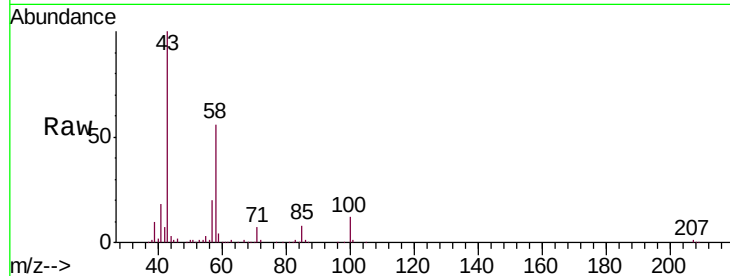




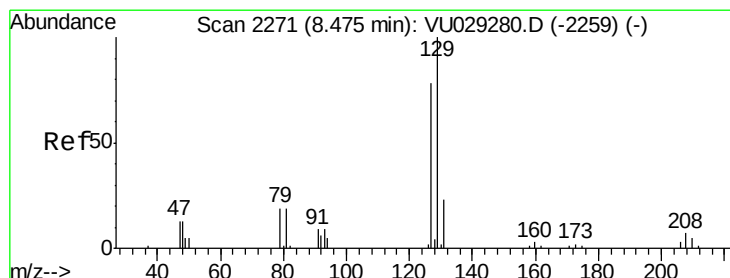
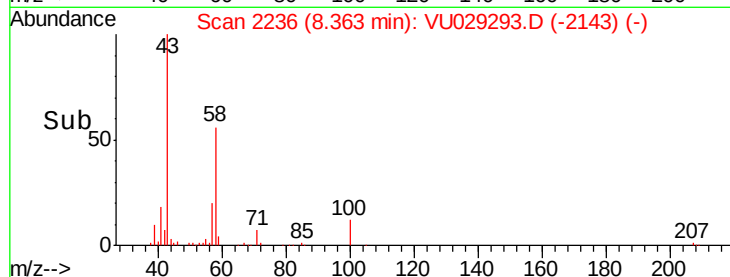
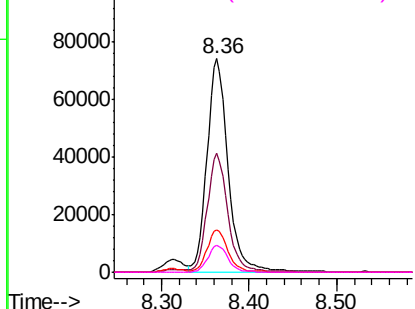
#48
2-Hexanone
Concen: 52.589 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU029293.D
Acq: 25 Jan 2019 17:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

Tgt Ion: 43 Resp: 123985
Ion Ratio Lower Upper
43 100
58 54.3 44.2 66.2
57 19.7 15.4 23.2
100 12.2 10.0 15.0

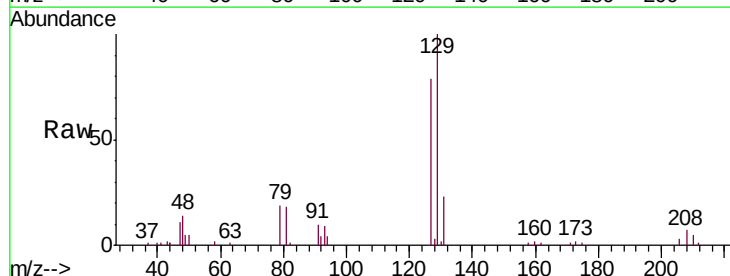


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

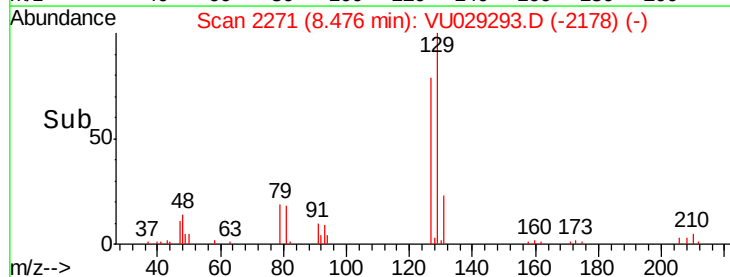
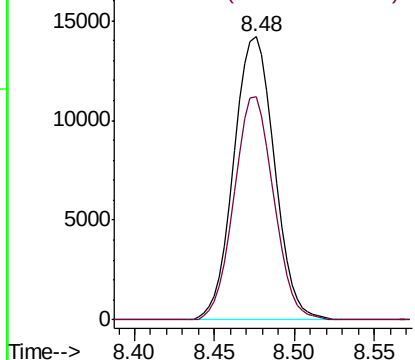


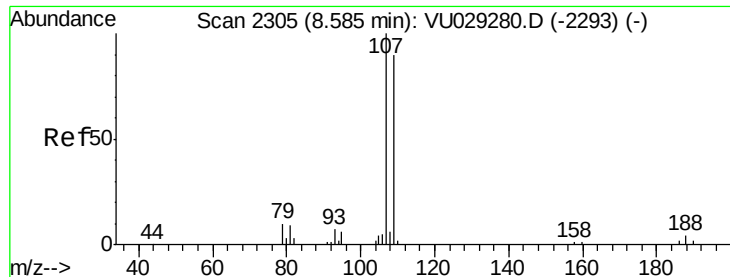
#49
Dibromochloromethane
Concen: 5.145 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029293.D
Acq: 25 Jan 2019 17:11

Tgt Ion: 129 Resp: 24616
Ion Ratio Lower Upper
129 100
127 78.7 54.7 101.7



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

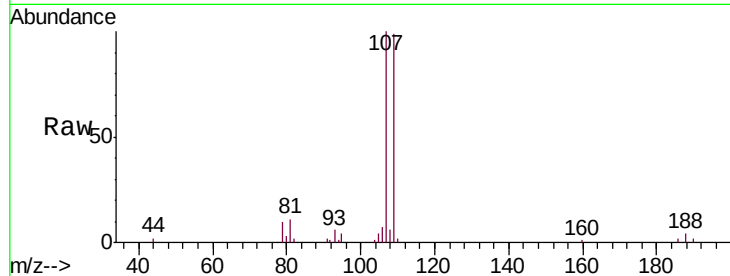




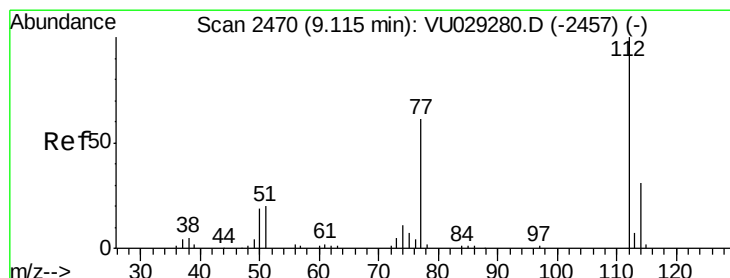
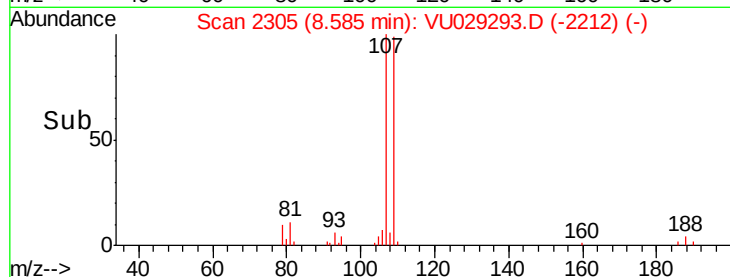
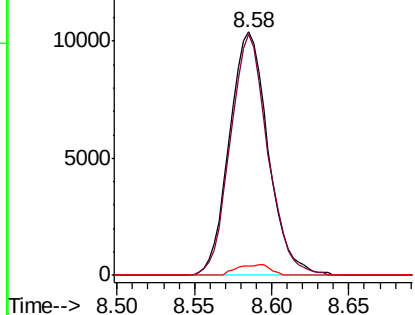
#50
1,2-Dibromoethane
Concen: 4.851 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VU029293.D
Acq: 25 Jan 2019 17:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

Tgt Ion:107 Resp: 18083
Ion Ratio Lower Upper
107 100
109 99.1 62.7 116.5
188 3.9 3.4 5.0

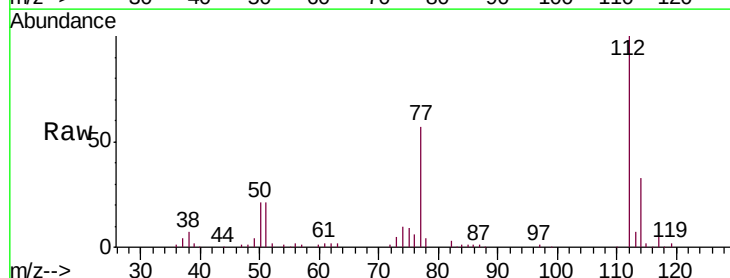


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

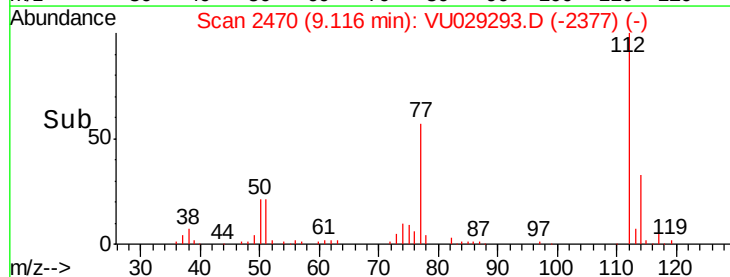
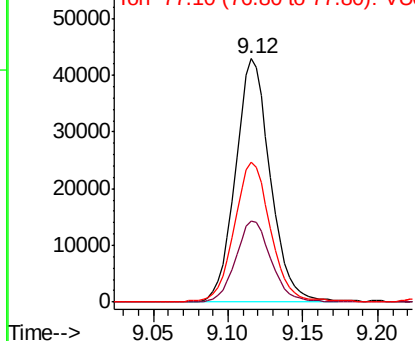


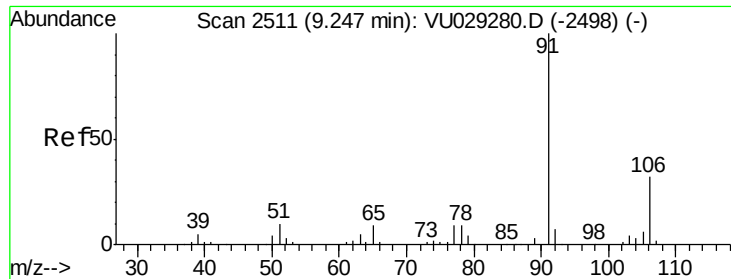
#51
Chlorobenzene
Concen: 4.825 ug/L
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029293.D
Acq: 25 Jan 2019 17:11

Tgt Ion:112 Resp: 69518
Ion Ratio Lower Upper
112 100
114 33.4 22.0 40.8
77 57.3 49.0 73.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.841 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

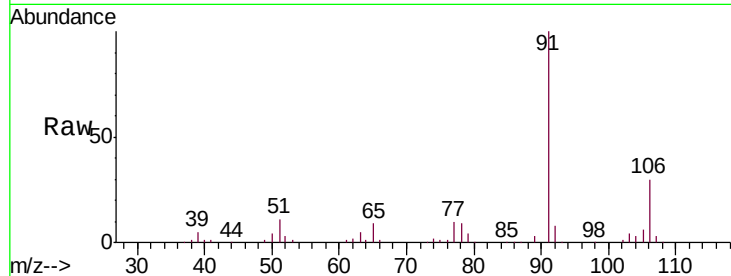
VSTD00548

Tgt Ion: 91 Resp: 116409

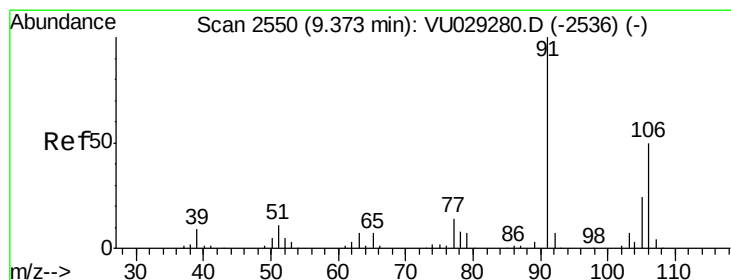
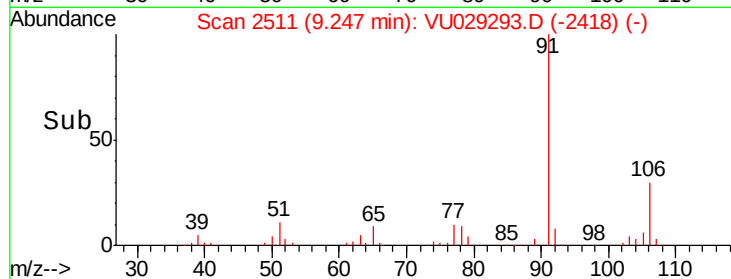
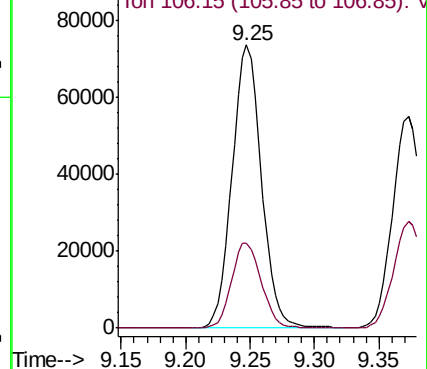
Ion Ratio Lower Upper

91 100

106 29.9 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU029280.D (-2498) (-)



#53

m,p-xylene

Concen: 5.000 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029293.D

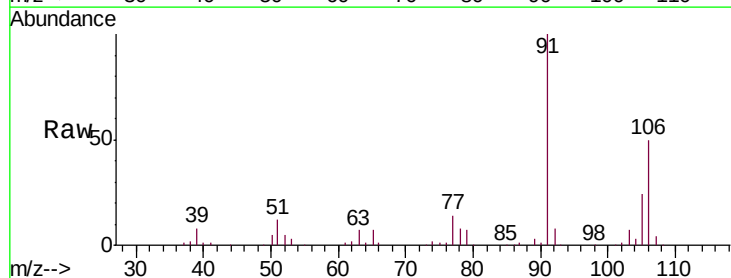
Acq: 25 Jan 2019 17:11

Tgt Ion: 106 Resp: 45680

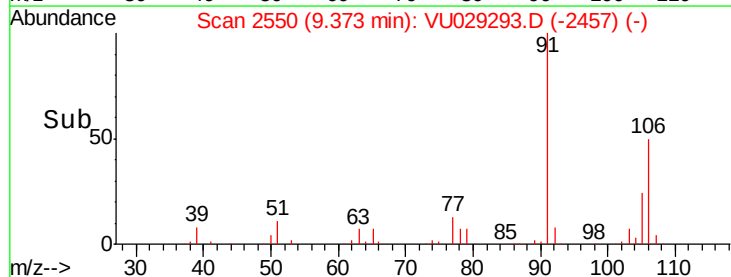
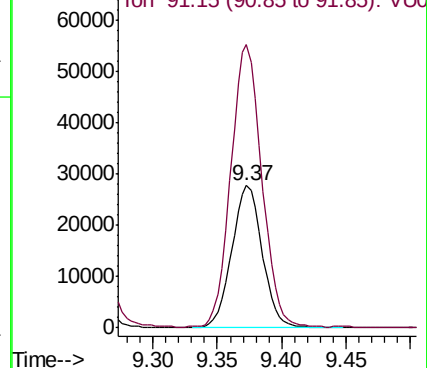
Ion Ratio Lower Upper

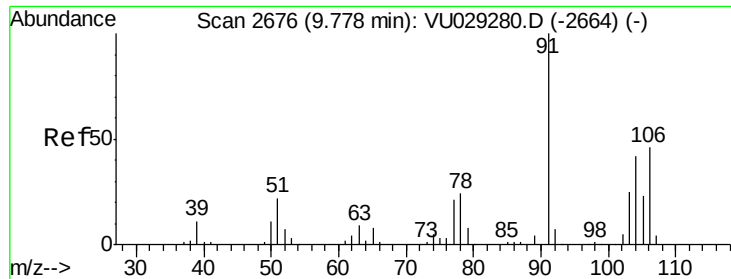
106 100

91 199.4 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VU029280.D (-2536) (-)





#54

o-xylene

Concen: 5.012 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

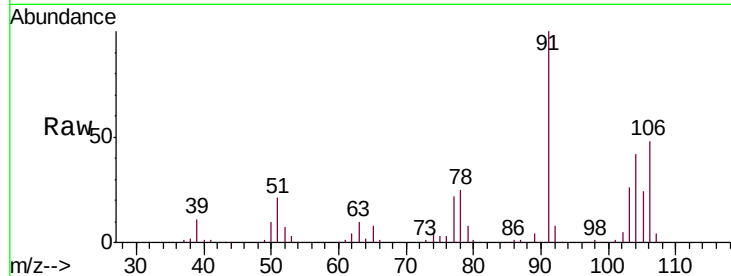
VSTD00548

Tgt Ion:106 Resp: 43569

Ion Ratio Lower Upper

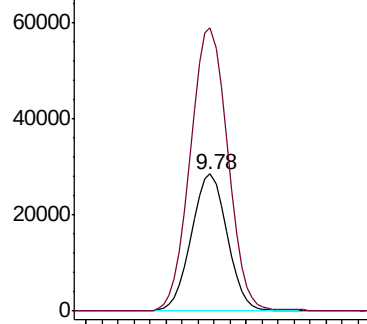
106 100

91 206.8 153.6 285.2

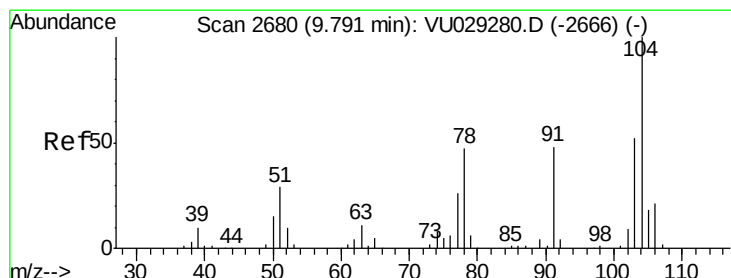
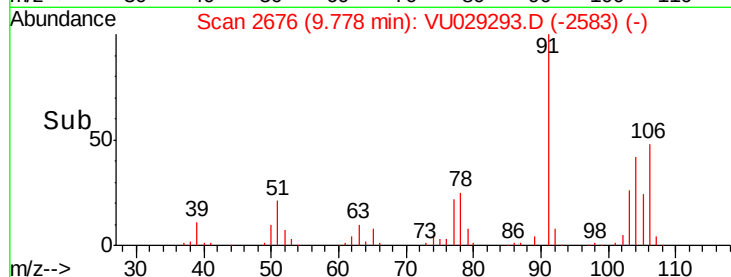


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->



#55

Styrene

Concen: 5.137 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VU029293.D

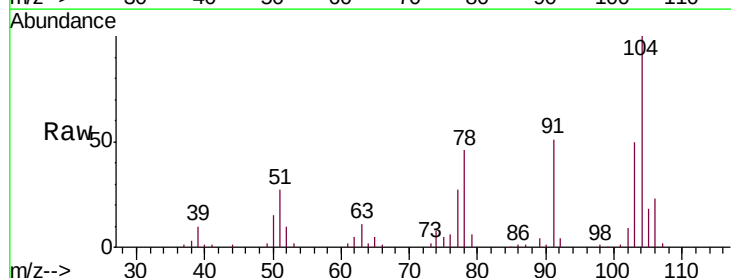
Acq: 25 Jan 2019 17:11

Tgt Ion:104 Resp: 77699

Ion Ratio Lower Upper

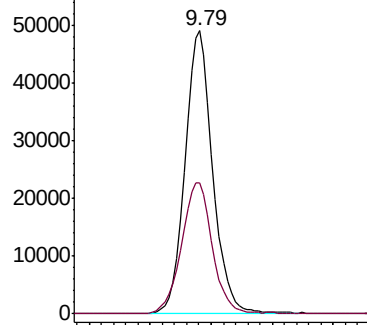
104 100

78 46.2 33.1 61.5

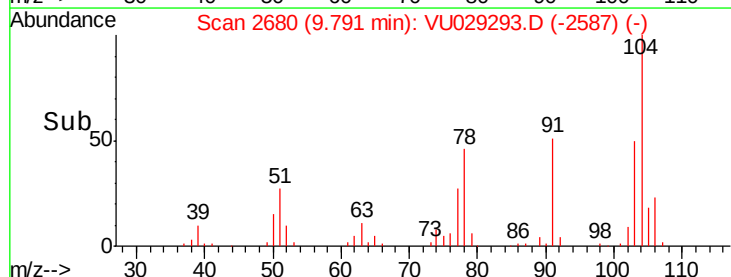


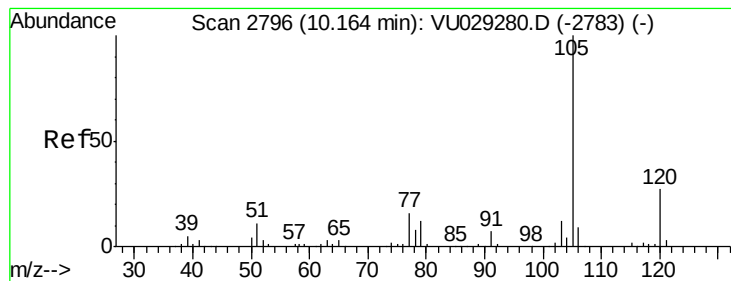
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 4.901 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

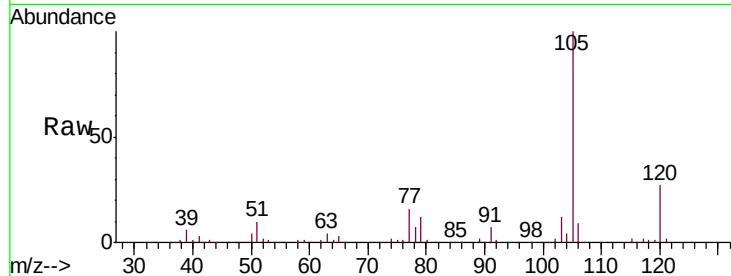
Tgt Ion: 105 Resp: 114778

Ion Ratio Lower Upper

105 100

120 26.7 20.9 31.3

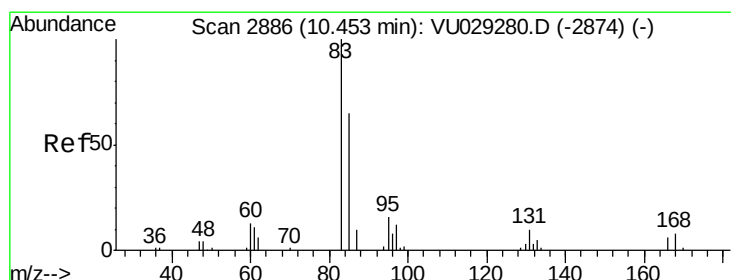
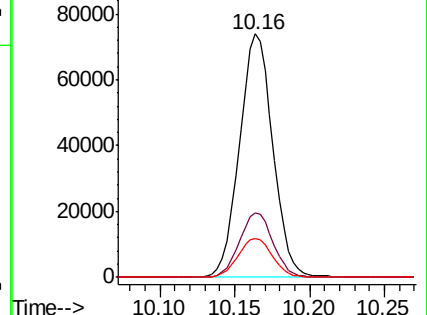
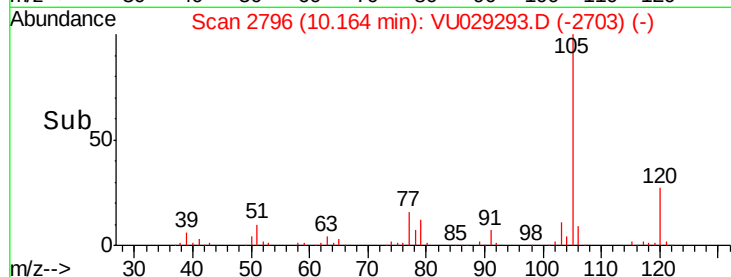
77 16.4 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.968 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

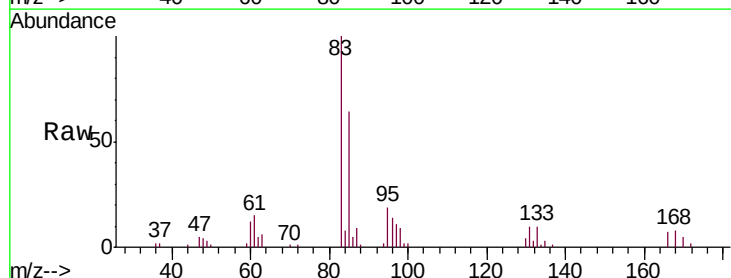
Tgt Ion: 83 Resp: 24945

Ion Ratio Lower Upper

83 100

85 63.5 45.8 85.0

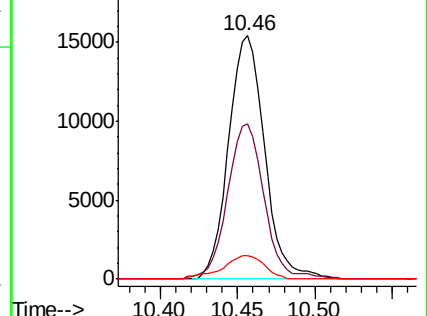
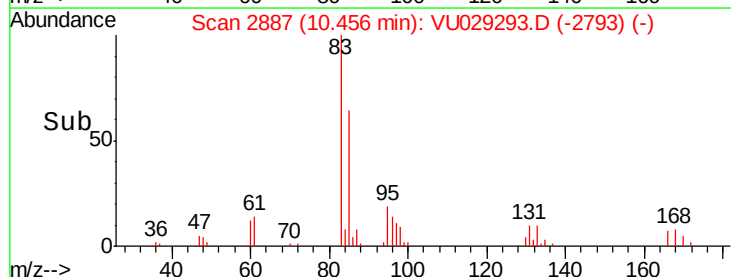
131 9.8 8.8 13.2

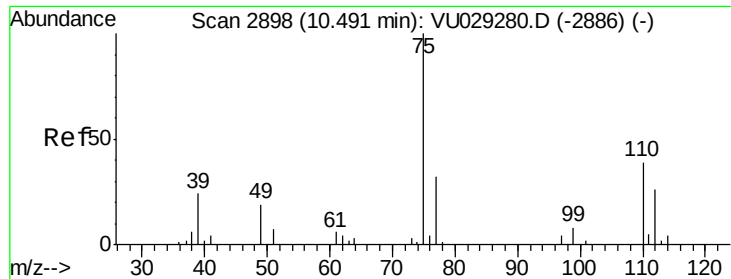


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

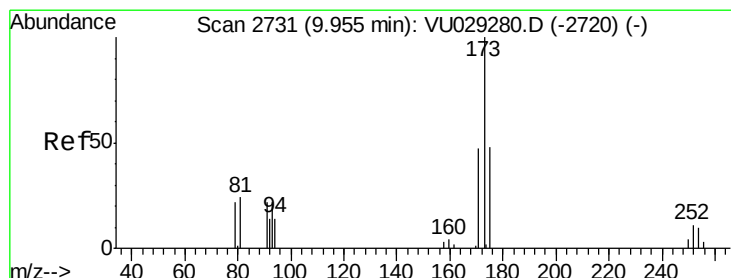
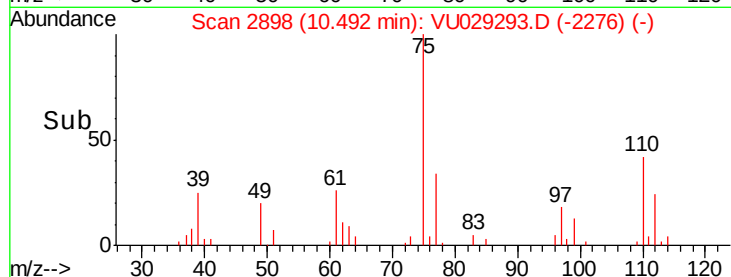
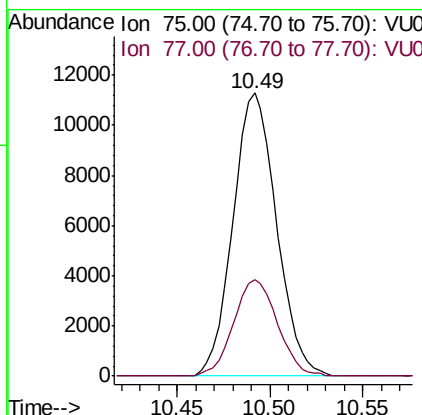
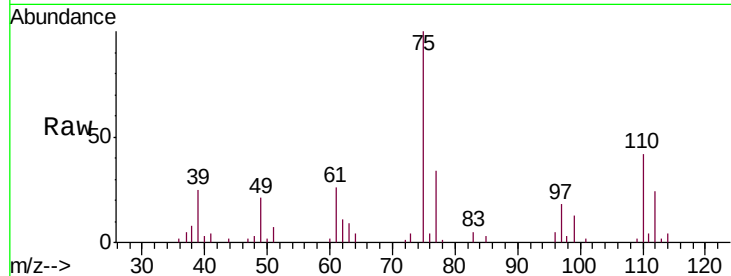




#59
 1,2,3-Trichloropropane
 Concen: 4.985 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

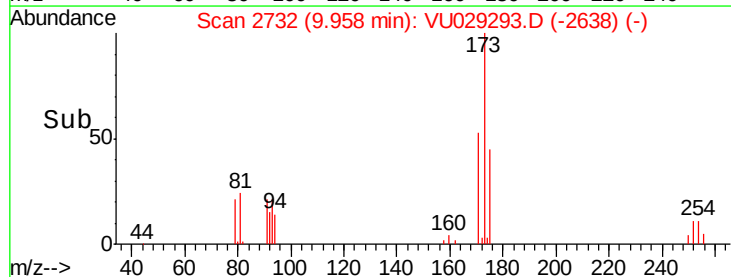
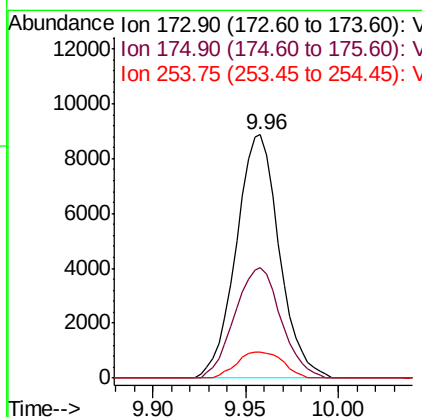
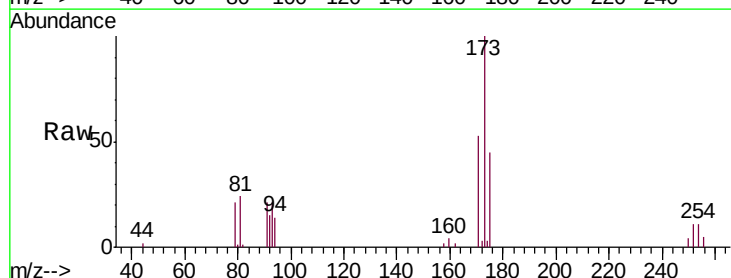
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

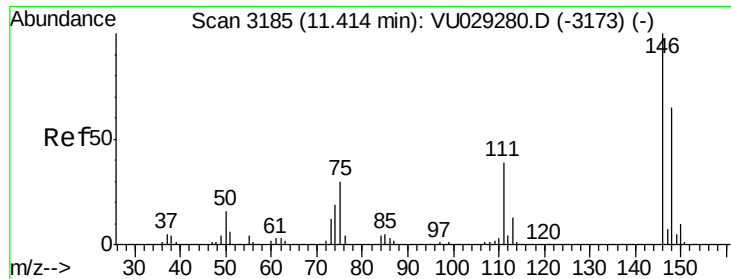
Tgt Ion: 75 Resp: 18409
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.2 39.4



#61
 Bromoform
 Concen: 5.037 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion: 173 Resp: 14377
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.4 59.2
 254 11.5 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 4.855 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

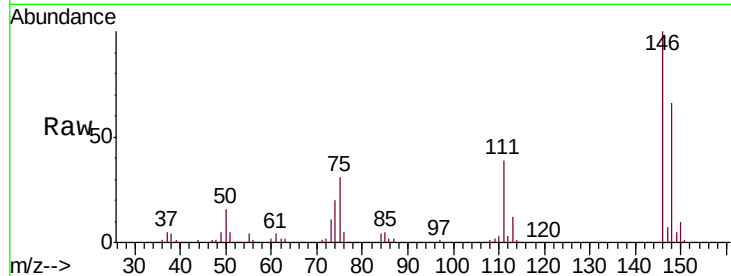
Tgt Ion:146 Resp: 55730

Ion Ratio Lower Upper

146 100

111 38.6 27.2 50.6

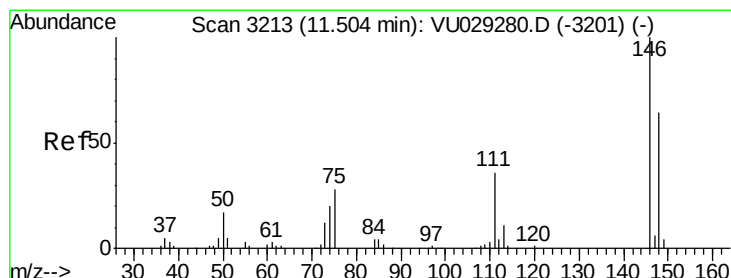
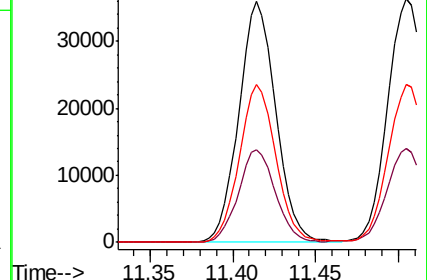
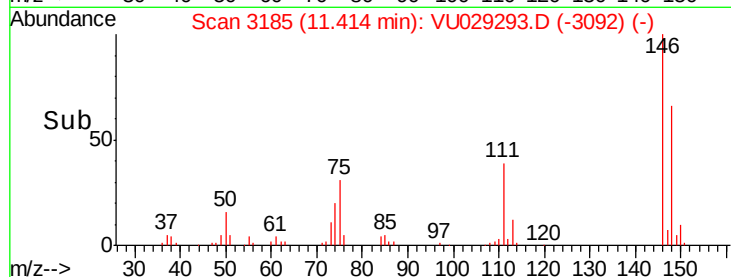
148 65.5 45.8 85.0



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



#63

1,4-Dichlorobenzene

Concen: 4.763 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

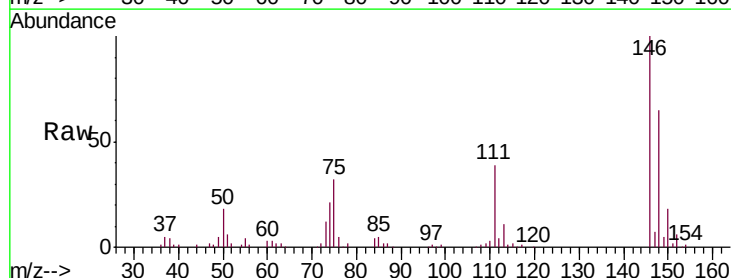
Tgt Ion:146 Resp: 58298

Ion Ratio Lower Upper

146 100

111 38.7 25.5 47.3

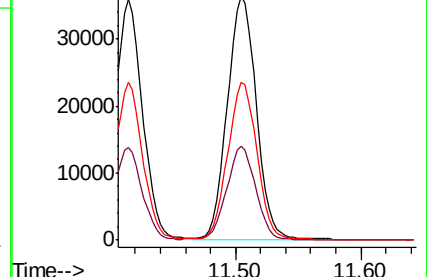
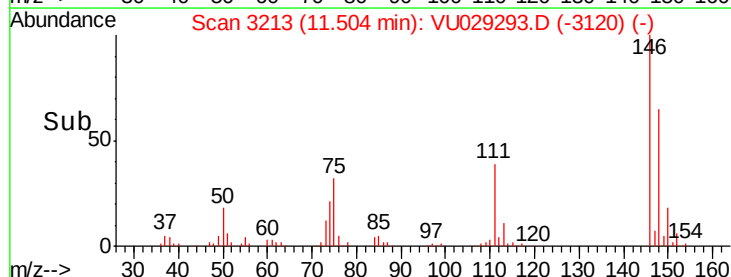
148 64.7 44.9 83.5

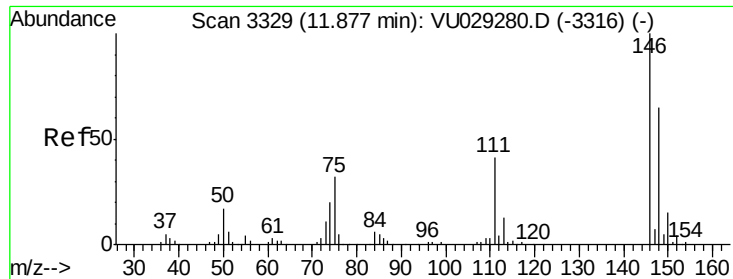


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

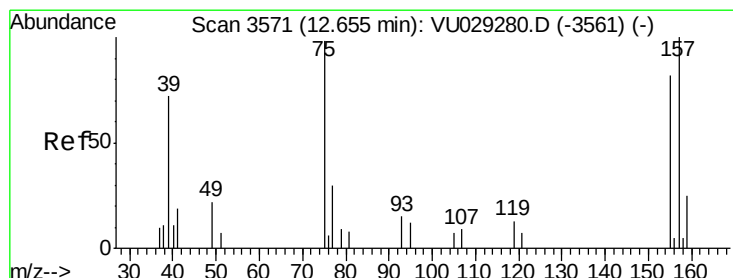
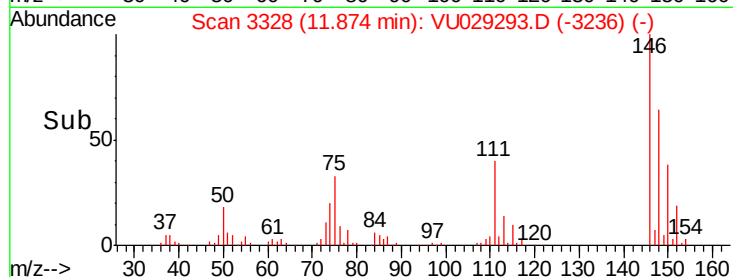
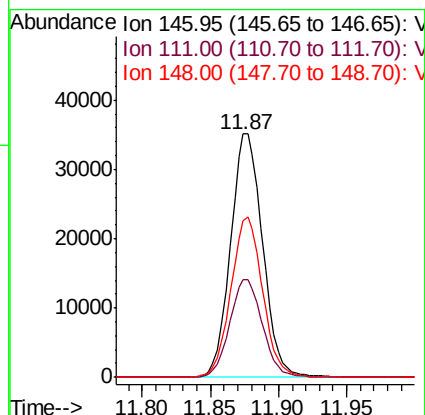
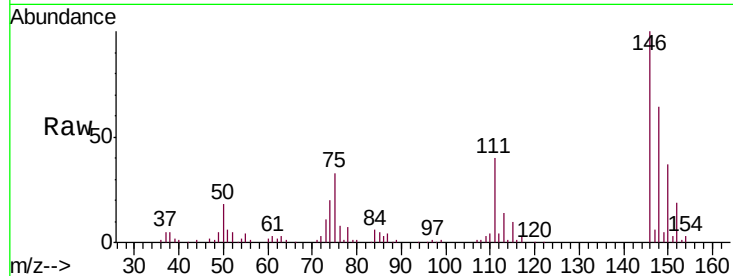




#65
 1,2-Dichlorobenzene
 Concen: 5.089 ug/L
 RT: 11.87 min Scan# 3328
 Delta R.T. -0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

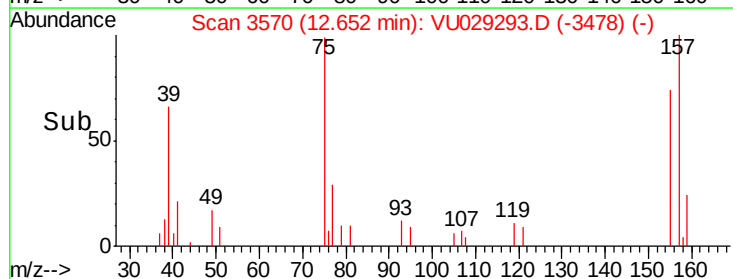
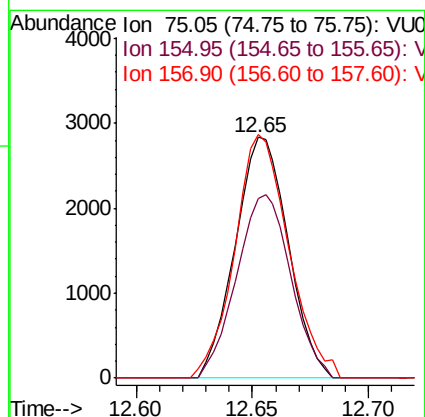
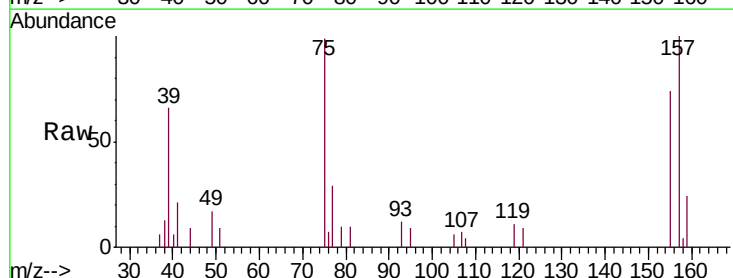
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

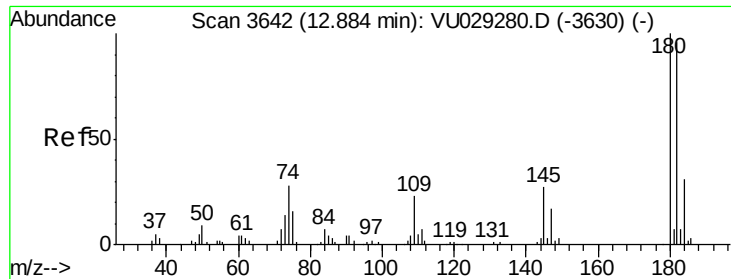
Tgt Ion: 146 Resp: 57330
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.6 49.0
 148 64.1 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.594 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion: 75 Resp: 4484
 Ion Ratio Lower Upper
 75 100
 155 74.8 66.6 100.0
 157 101.1 81.3 121.9

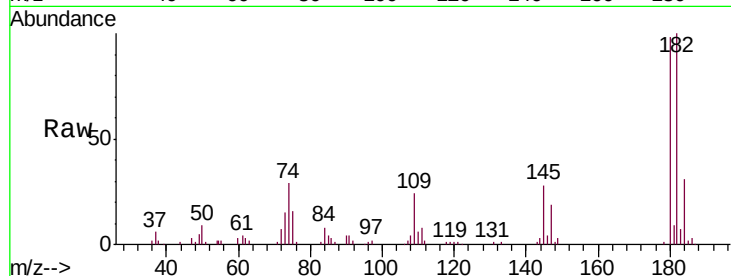




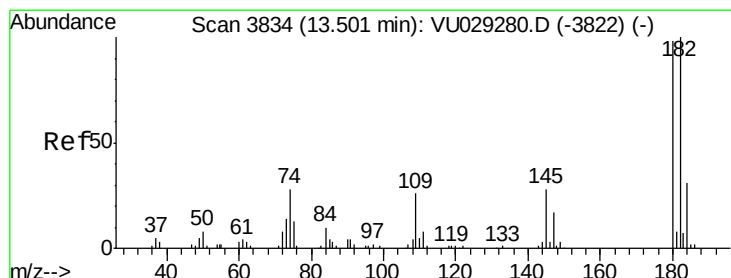
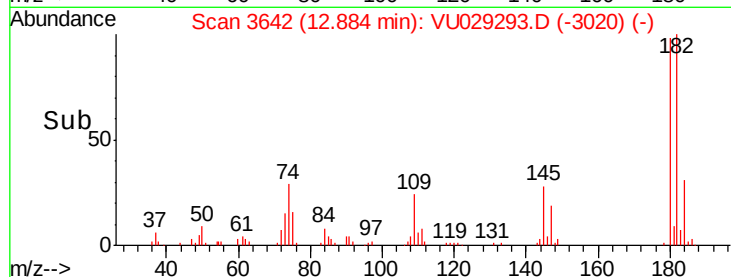
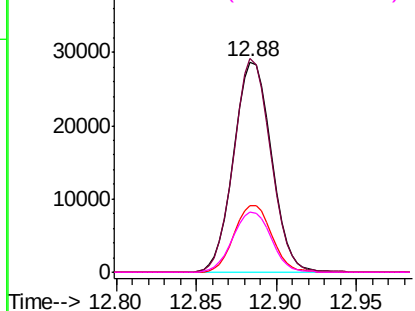
#67
 1,3,5-Trichlorobenzene
 Concen: 4.771 ug/L
 RT: 12.88 min Scan# 3642
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

Tgt Ion:180 Resp: 46155
 Ion Ratio Lower Upper
 180 100
 182 99.5 76.1 114.1
 184 31.4 24.4 36.6
 145 28.9 22.4 33.6

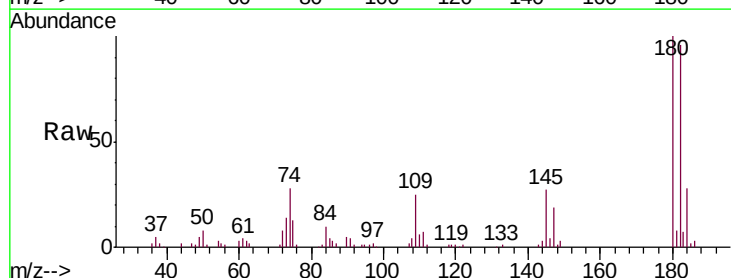


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

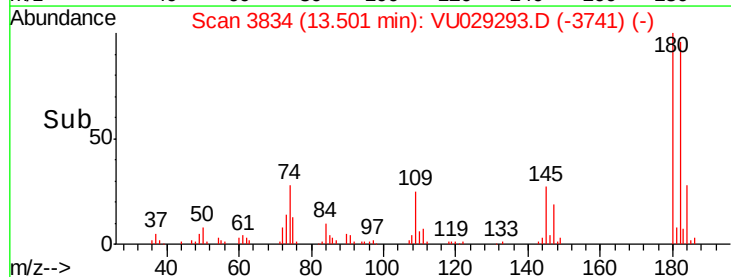
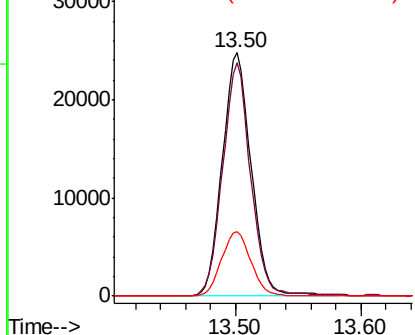


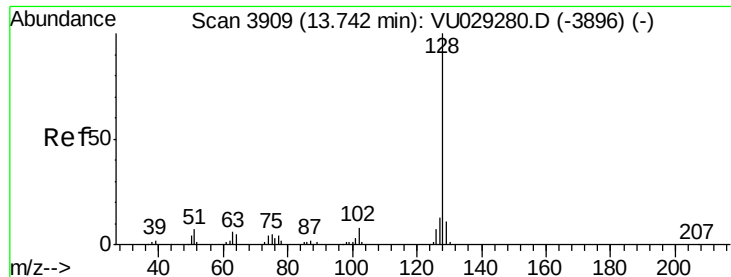
#68
 1,2,4-trichlorobenzene
 Concen: 4.913 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029293.D
 Acq: 25 Jan 2019 17:11

Tgt Ion:180 Resp: 39796
 Ion Ratio Lower Upper
 180 100
 182 92.2 79.8 119.6
 145 26.7 22.6 34.0



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





#69

Naphthalene

Concen: 4.868 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

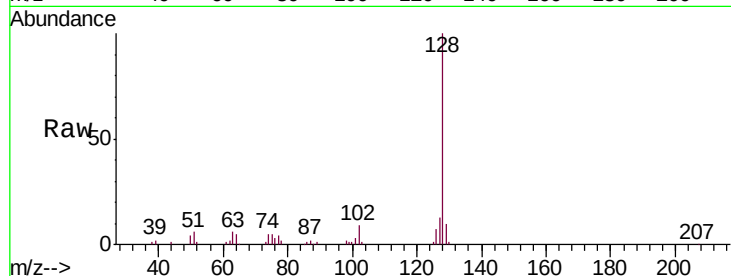
Tgt Ion:128 Resp: 62438

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

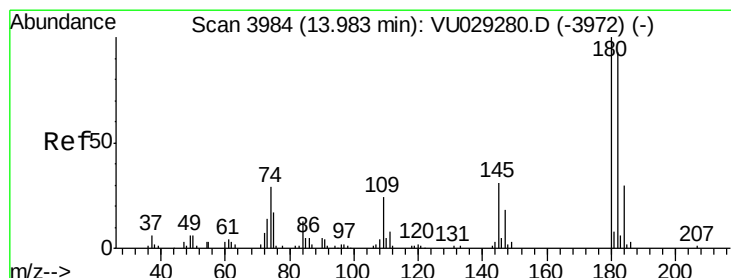
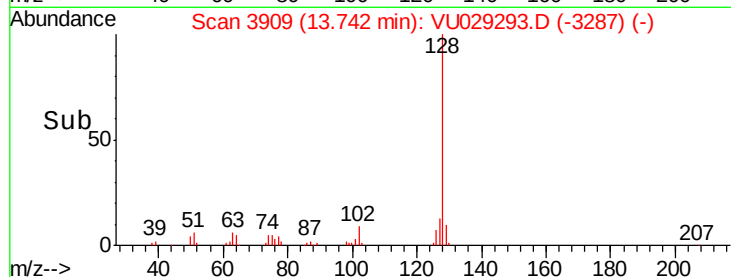
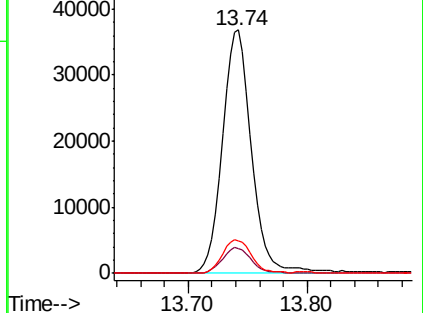
127 13.8 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.163 ug/L

RT: 13.98 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VU029293.D

Acq: 25 Jan 2019 17:11

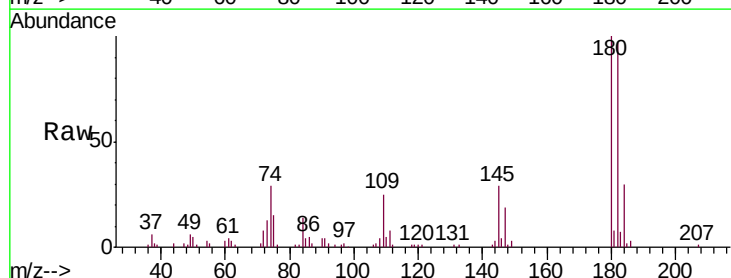
Tgt Ion:180 Resp: 38944

Ion Ratio Lower Upper

180 100

182 93.4 76.4 114.6

145 29.0 24.5 36.7



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

