

Data File : VU029489.D
Acq On : 15 Feb 2019 11:09
Operator : JC/SP
Sample : VSTD05043
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: Feb 15 22:30:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 15 22:27:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	436155	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	436042	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237702	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	158433	46.64	ug/L	0.00
7) Chloroethane-d5	1.68	69	138931	51.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	328650	54.93	ug/L	0.00
21) 2-Butanone-d5	4.17	46	201550	86.80	ug/L	0.00
24) Chloroform-d	4.65	84	262363	48.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	161832	48.55	ug/L	0.00
32) Benzene-d6	5.34	84	545942	45.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	164697	41.42	ug/L	0.00
41) Toluene-d8	7.56	98	554583	50.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	87453	47.96	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	185204	96.36	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	276109	48.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	253129	52.31	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	145917	42.617	ug/L	100
3) Chloromethane	1.33	50	125804	28.793	ug/L	100
5) Vinyl chloride	1.40	62	177900	43.355	ug/L	100
6) Bromomethane	1.62	94	74053	41.967	ug/L	100
8) Chloroethane	1.69	64	114713	47.968	ug/L	100
9) Trichlorofluoromethane	1.88	101	281403	61.333	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	158152	54.937	ug/L	100
12) 1,1-Dichloroethene	2.28	96	151143	53.282	ug/L	100
13) Acetone	2.32	43	201114	84.395	ug/L	100
14) Carbon disulfide	2.47	76	375350	40.335	ug/L	100
15) Methyl Acetate	2.61	43	134059	36.862	ug/L	100
16) Methylene chloride	2.70	84	139184	42.033	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	132565	45.095	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	410169	45.320	ug/L	100
19) 1,1-Dichloroethane	3.44	63	225462	40.331	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	150938	45.254	ug/L	100
22) 2-Butanone	4.26	43	236906	82.304	ug/L	100
23) Bromochloromethane	4.55	128	85908	52.276	ug/L	100
25) Chloroform	4.67	83	250750	45.853	ug/L	100
27) 1,2-Dichloroethane	5.40	62	196849	48.028	ug/L	100
29) Cyclohexane	4.99	56	209903	38.558	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	227605	49.669	ug/L	100
31) Carbon tetrachloride	5.13	117	205076	54.191	ug/L	100
33) Benzene	5.39	78	556458	41.985	ug/L	100
34) Trichloroethene	6.18	95	150443	45.947	ug/L	100
35) Methylcyclohexane	6.41	83	244139	45.268	ug/L	100
37) 1,2-Dichloropropane	6.43	63	146626	39.935	ug/L	100
38) Bromodichloromethane	6.76	83	196114	46.760	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	242071	45.124	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	411947	83.094	ug/L	100

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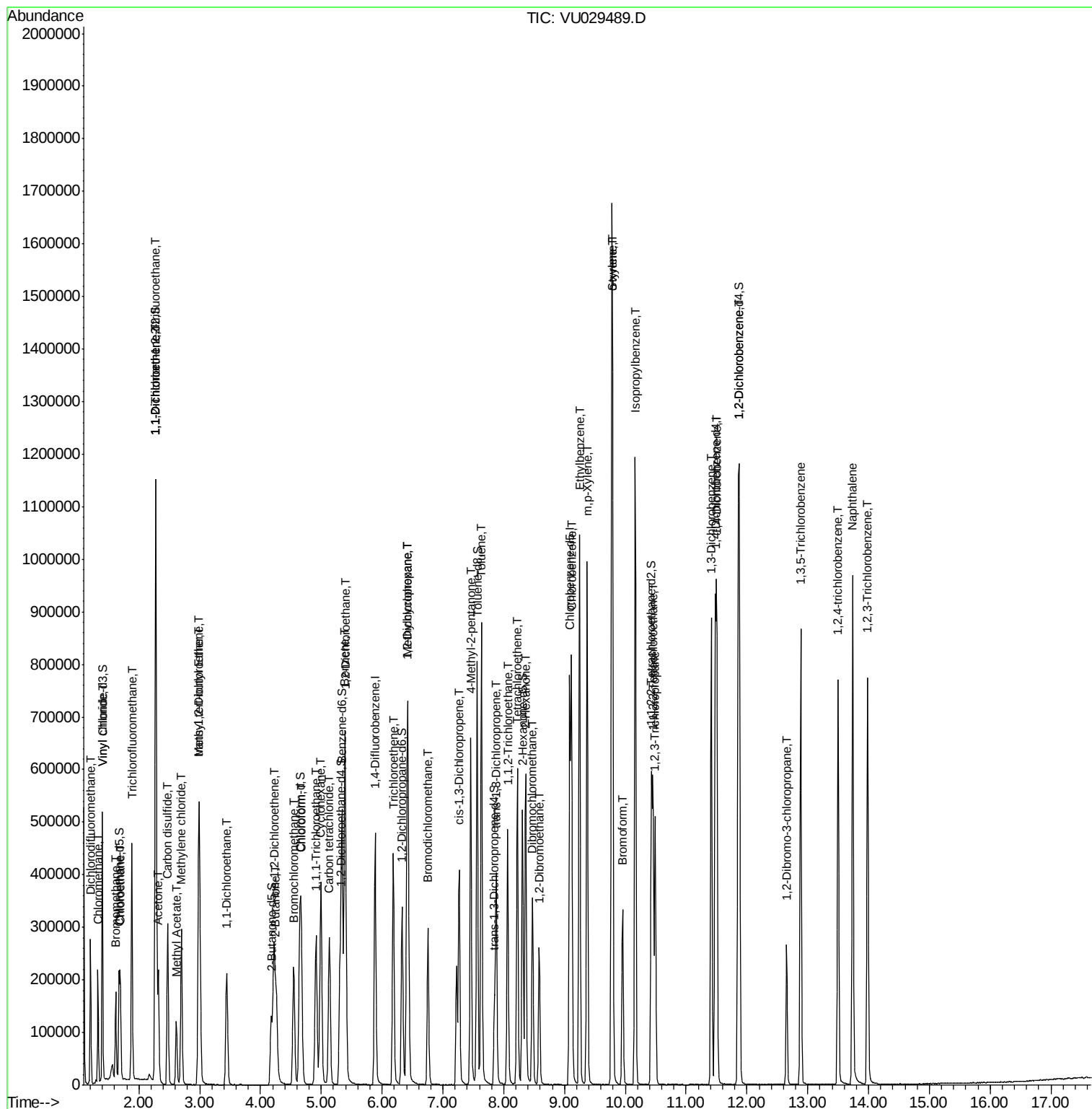
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	654716	47.585	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	225496	47.014	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	155963	47.723	ug/L	100
46) Tetrachloroethene	8.22	164	145384	54.971	ug/L	100
48) 2-Hexanone	8.36	43	356757	87.150	ug/L	100
49) Dibromochloromethane	8.47	129	188411	55.775	ug/L	100
50) 1,2-Dibromoethane	8.59	107	173785	50.689	ug/L	100
51) Chlorobenzene	9.12	112	450637	50.872	ug/L	100
52) Ethylbenzene	9.25	91	745521	49.783	ug/L	100
53) m,p-Xylene	9.37	106	294734	52.691	ug/L	100
54) o-xylene	9.78	106	299274	53.197	ug/L	100
55) Styrene	9.79	104	503651	53.007	ug/L	100
56) Isopropylbenzene	10.16	105	779399	54.212	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	272289	46.234	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	207581	45.894	ug/L	100
61) Bromoform	9.95	173	155373	52.205	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	375475	49.775	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	377304	48.679	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	386515	49.375	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	62747	46.903	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	285382	51.153	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	252430	53.500	ug/L	100
69) Naphthalene	13.74	128	804039	50.003	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	261337	51.711	ug/L	100

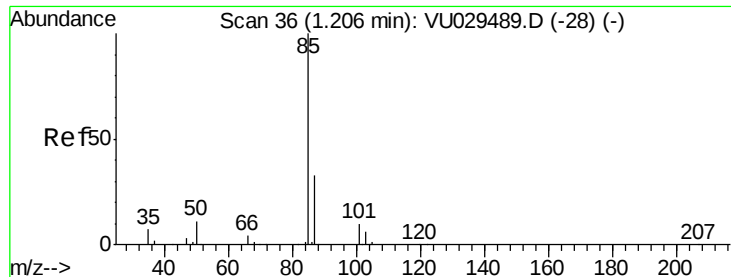
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 42.617 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

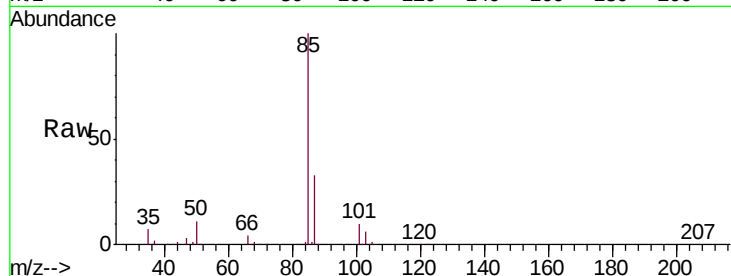
VSTD05043

Tgt Ion: 85 Resp: 145917

Ion Ratio Lower Upper

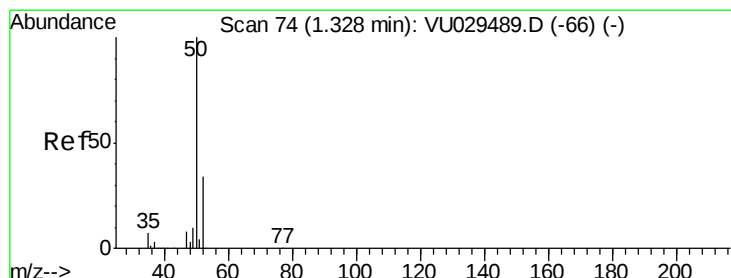
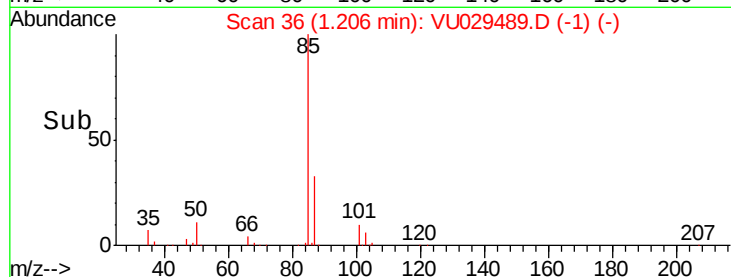
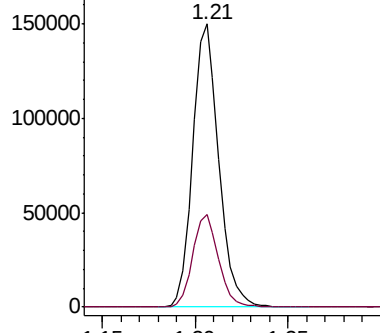
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 28.793 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029489.D

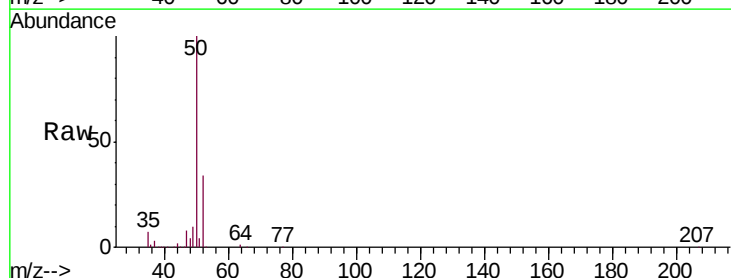
Acq: 15 Feb 2019 11:09

Tgt Ion: 50 Resp: 125804

Ion Ratio Lower Upper

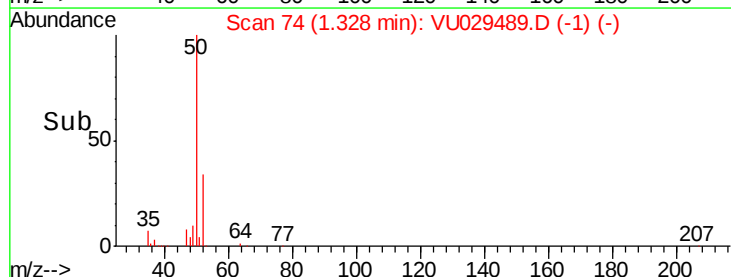
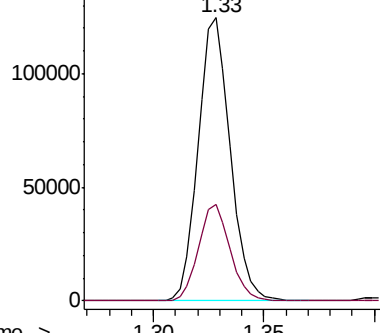
50 100

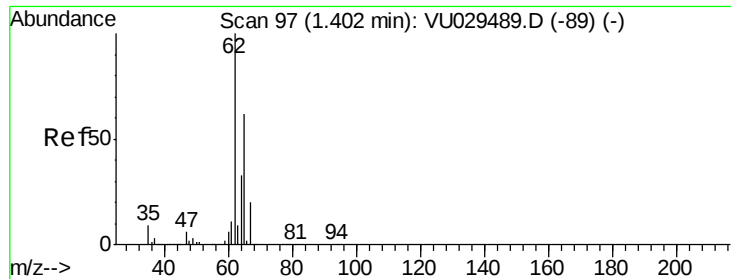
52 34.1 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 43.355 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

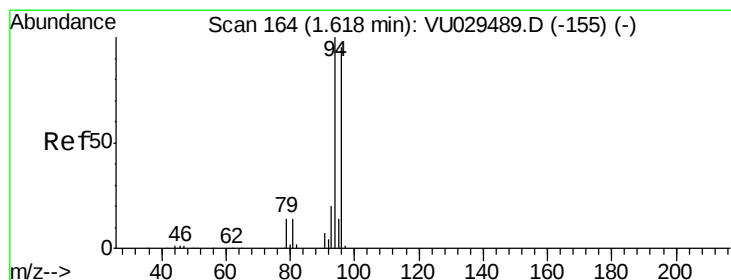
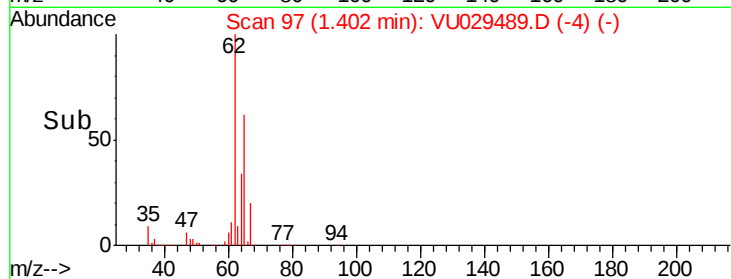
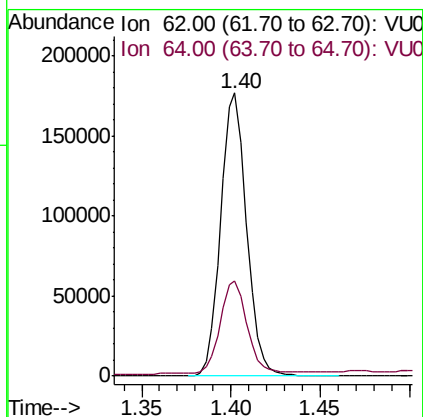
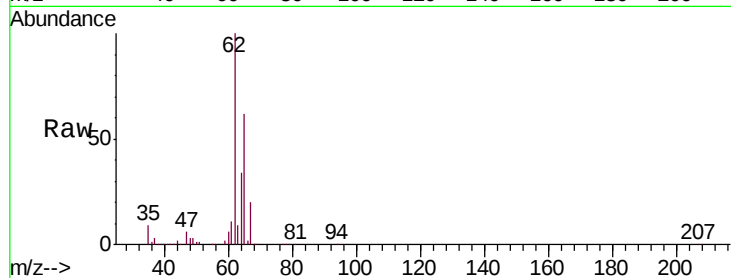
VSTD05043

Tgt Ion: 62 Resp: 177900

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 41.967 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU029489.D

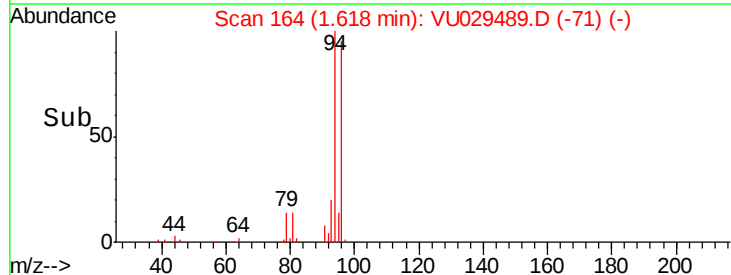
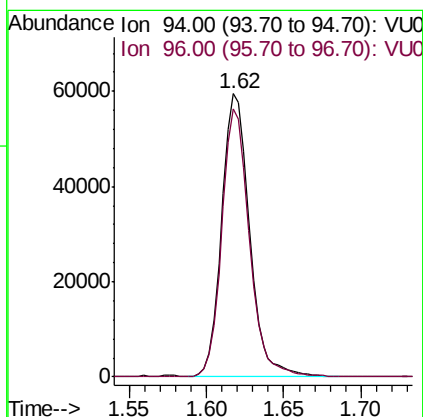
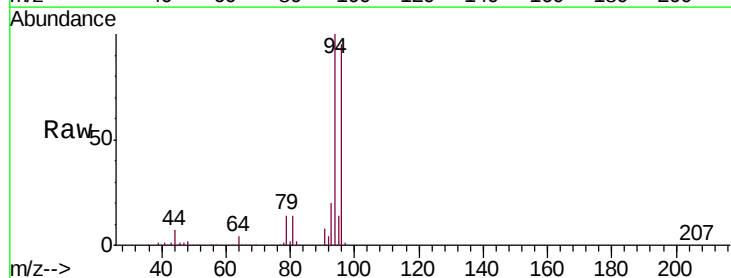
Acq: 15 Feb 2019 11:09

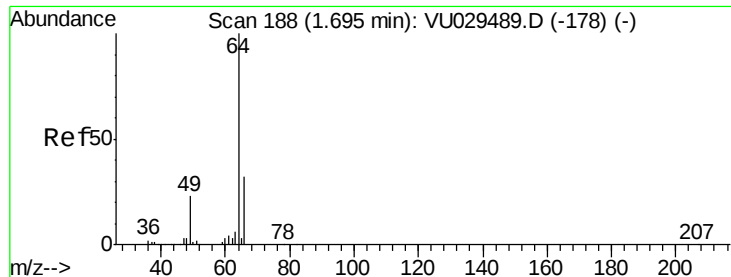
Tgt Ion: 94 Resp: 74053

Ion Ratio Lower Upper

94 100

96 94.8 66.4 123.2

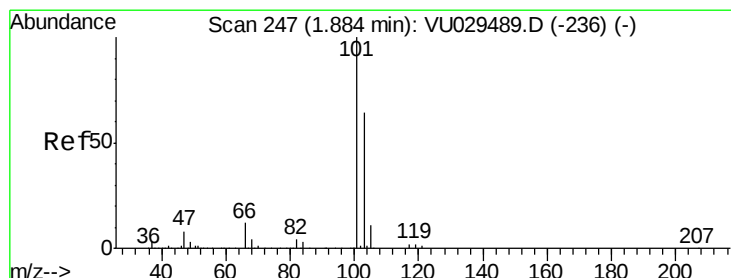
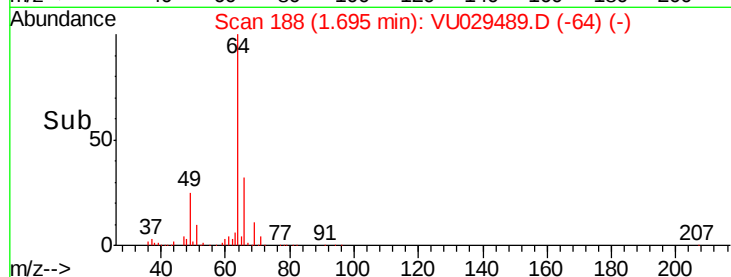
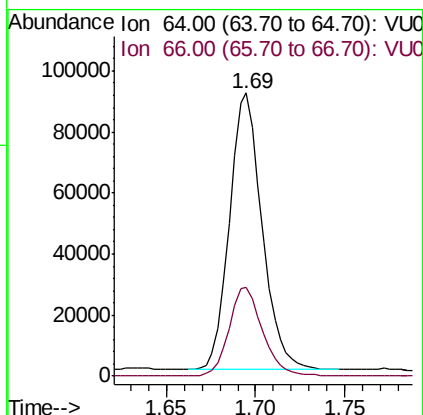
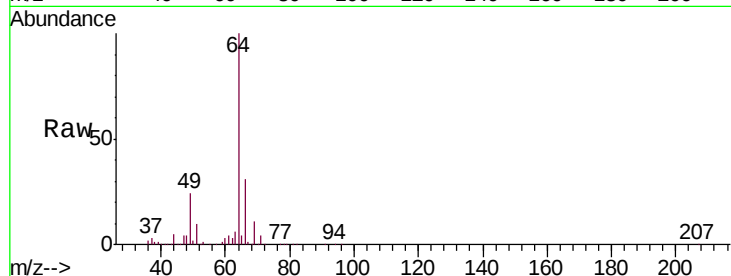




#8
Chloroethane
Concen: 47.968 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

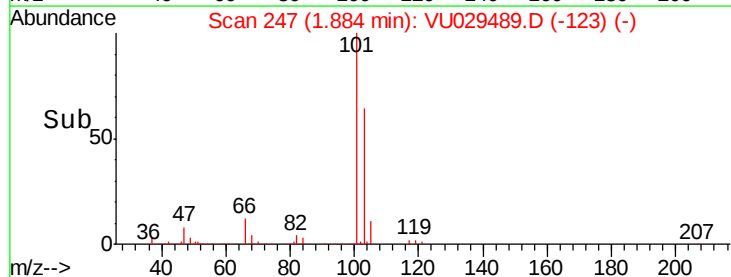
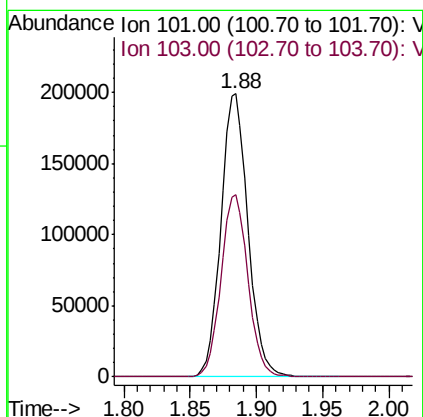
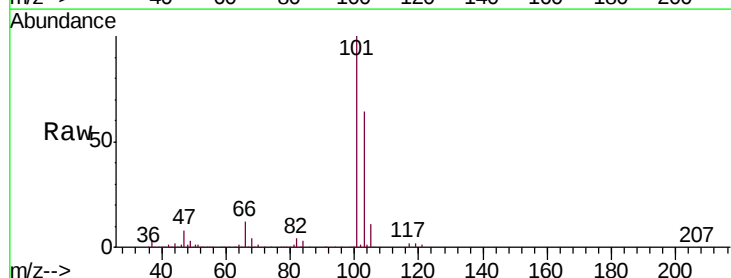
Instrument :
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ClientSampleId :
VSTD05043

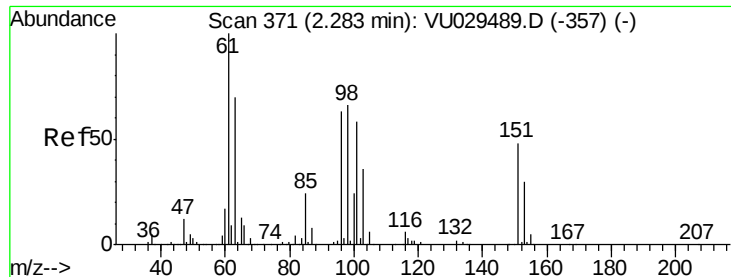
Tgt Ion: 64 Resp: 114713
Ion Ratio Lower Upper
64 100
66 31.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 61.333 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

Tgt Ion: 101 Resp: 281403
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 54.937 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

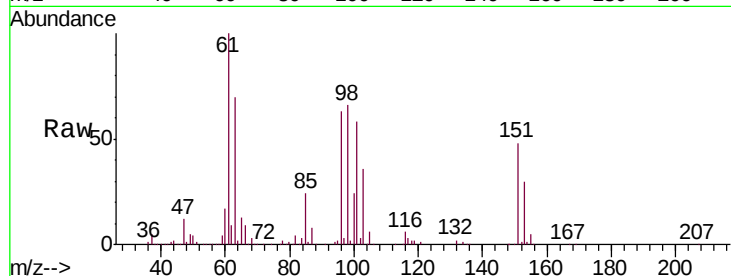
Tgt Ion: 101 Resp: 158152

Ion Ratio Lower Upper

101 100

85 41.3 33.0 49.6

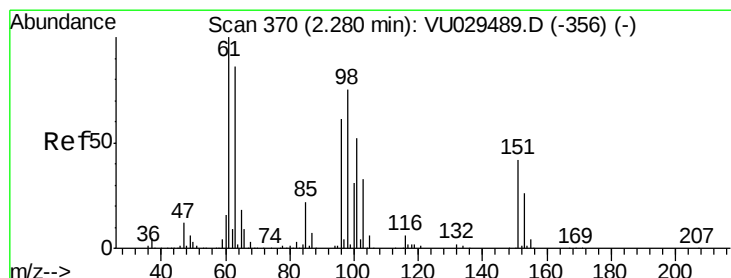
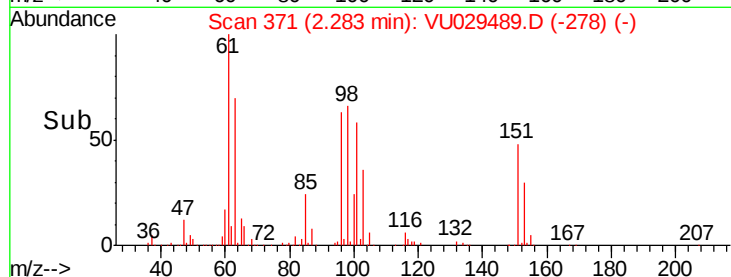
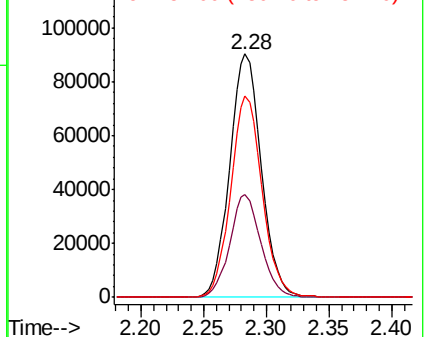
151 82.1 65.7 98.5



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: 53.282 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

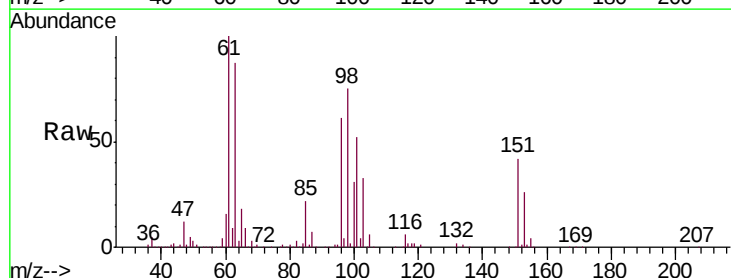
Tgt Ion: 96 Resp: 151143

Ion Ratio Lower Upper

96 100

61 162.9 114.0 211.8

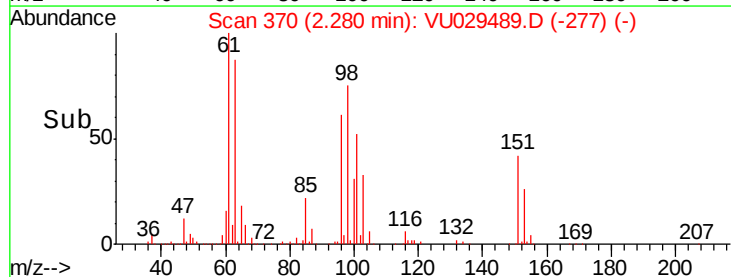
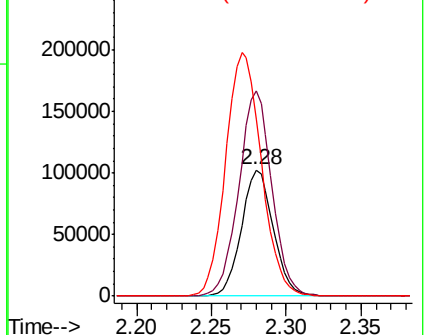
63 141.0 98.7 183.3

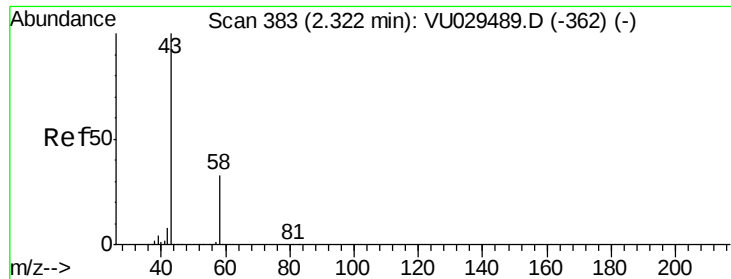


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.395 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

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ClientSampleId :

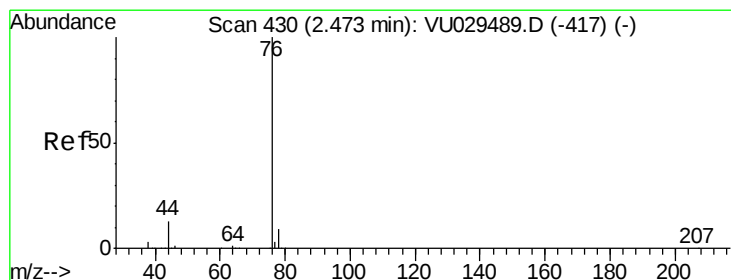
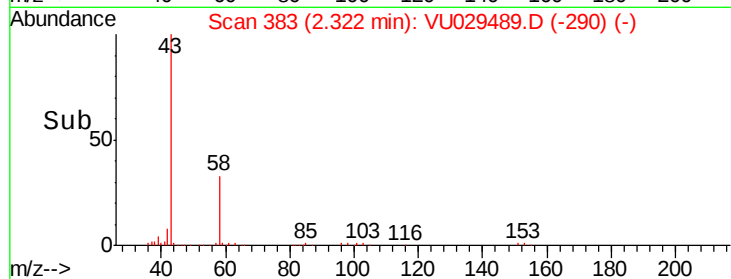
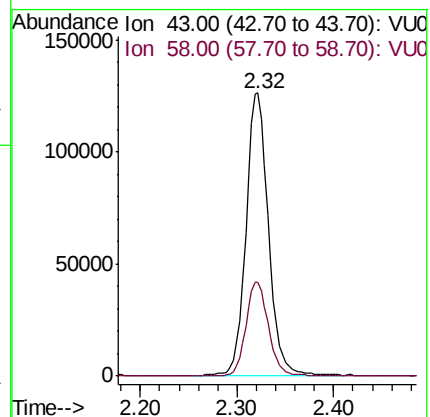
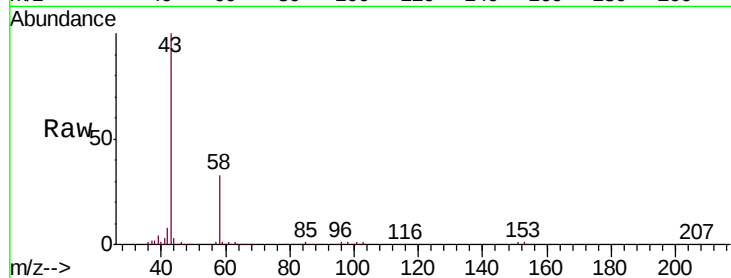
VSTD05043

Tgt Ion: 43 Resp: 201114

Ion Ratio Lower Upper

43 100

58 33.4 0.0 66.8



#14

Carbon disulfide

Concen: 40.335 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU029489.D

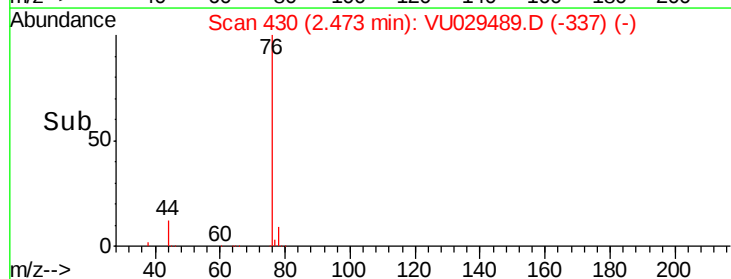
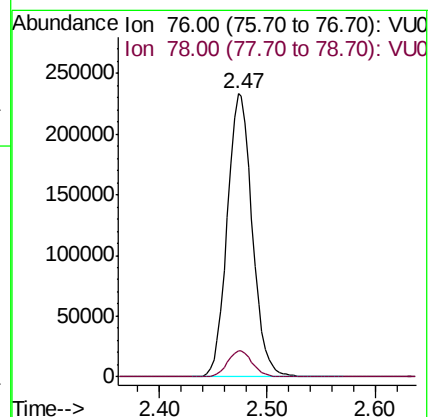
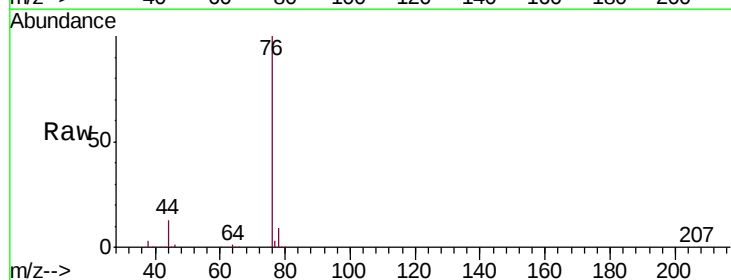
Acq: 15 Feb 2019 11:09

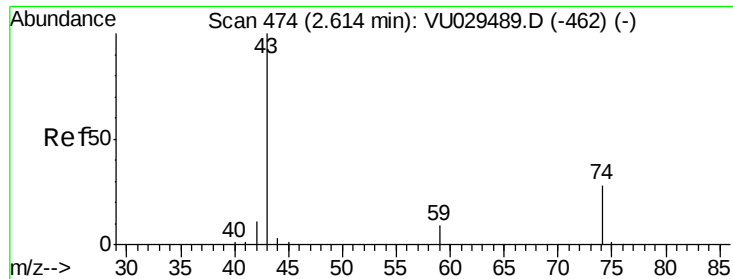
Tgt Ion: 76 Resp: 375350

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

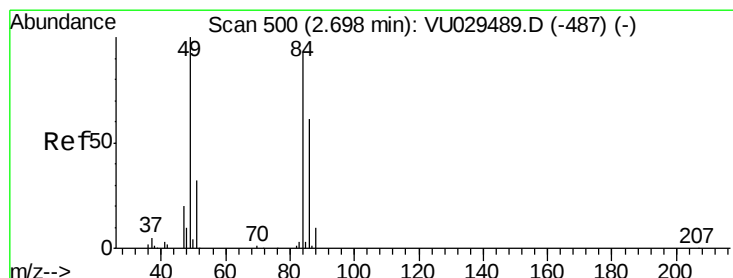
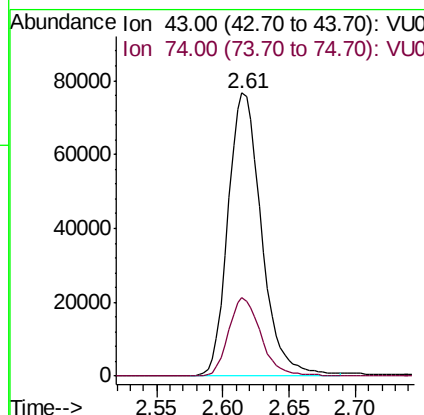
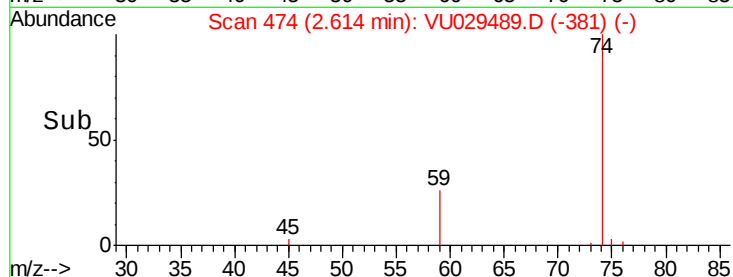
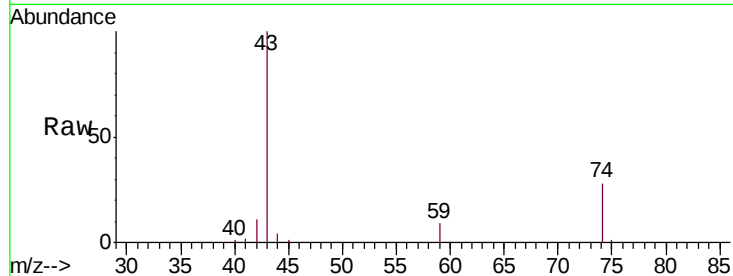




#15
Methyl Acetate
Concen: 36.862 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

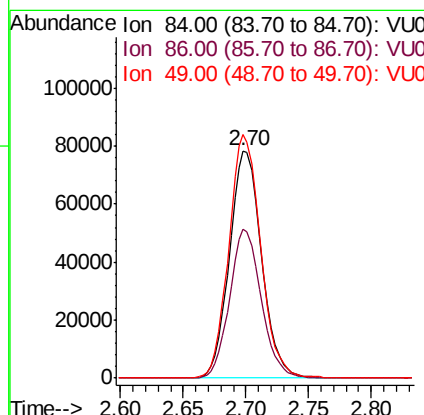
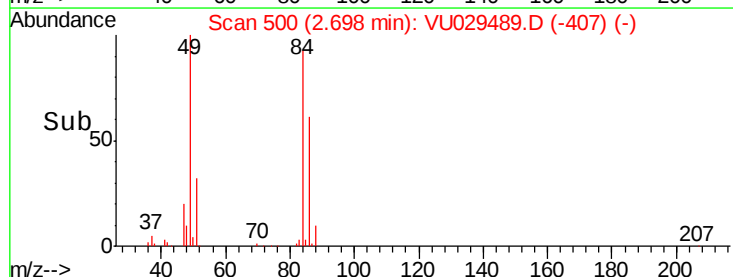
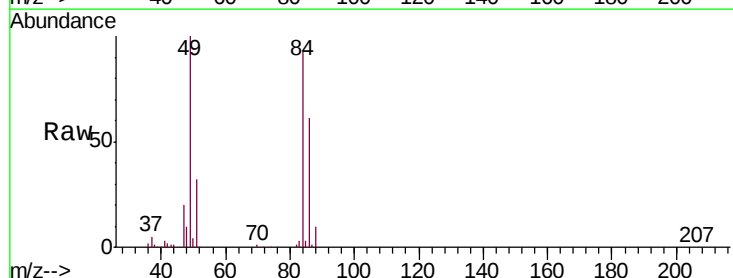
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

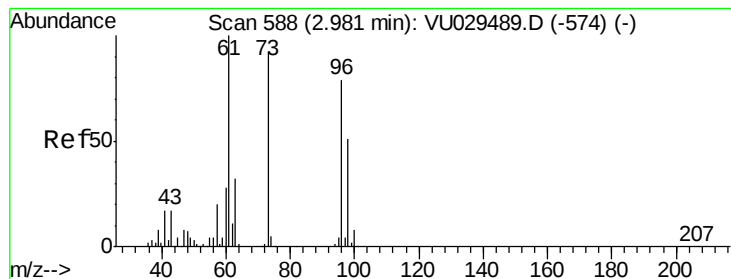
Tgt Ion: 43 Resp: 134059
Ion Ratio Lower Upper
43 100
74 26.9 21.5 32.3



#16
Methylene chloride
Concen: 42.033 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

Tgt Ion: 84 Resp: 139184
Ion Ratio Lower Upper
84 100
86 65.4 45.8 85.0
49 107.3 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 45.095 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

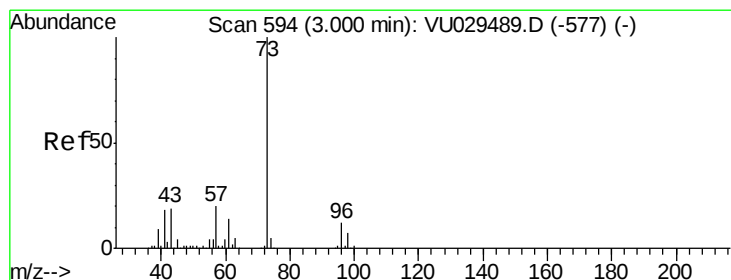
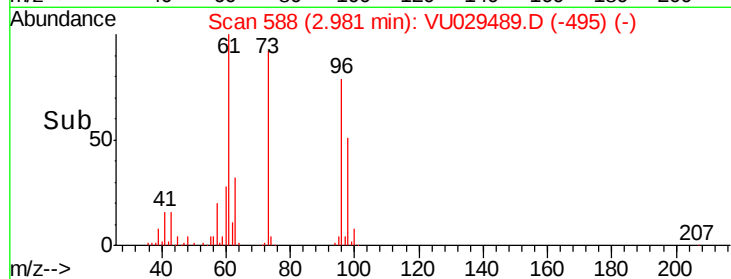
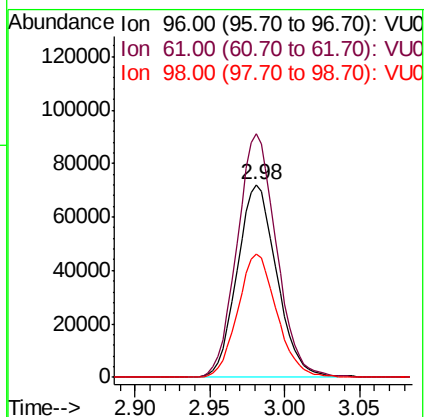
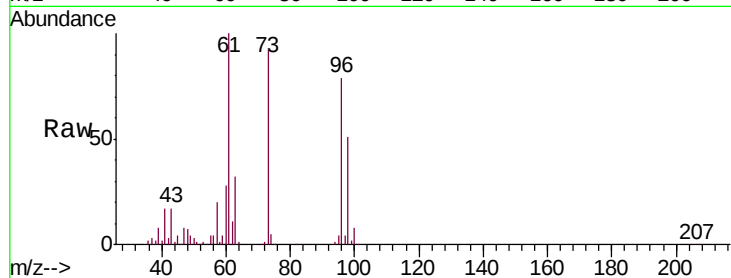
Tgt Ion: 96 Resp: 132565

Ion Ratio Lower Upper

96 100

61 126.1 88.3 163.9

98 64.0 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 45.320 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

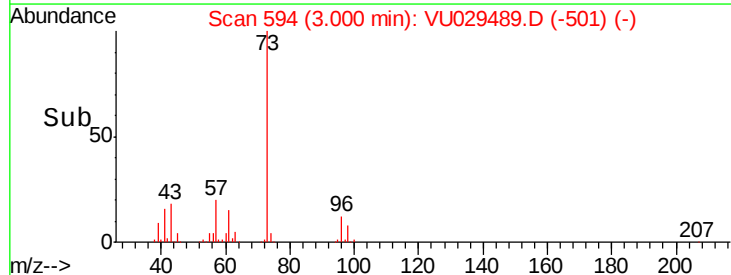
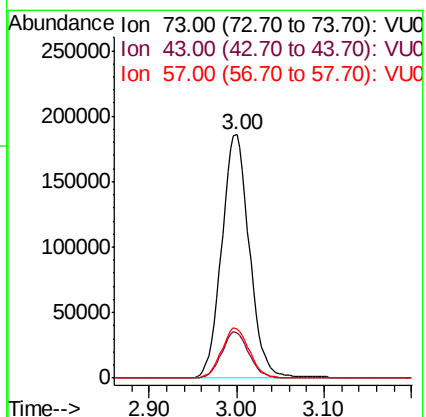
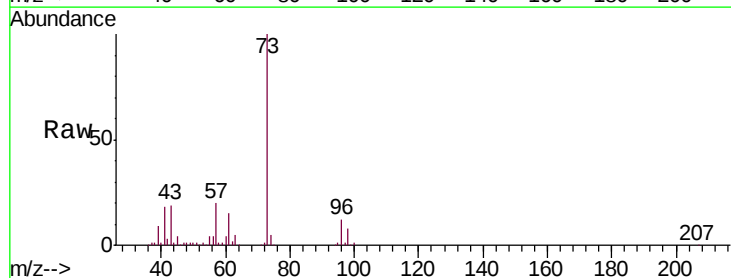
Tgt Ion: 73 Resp: 410169

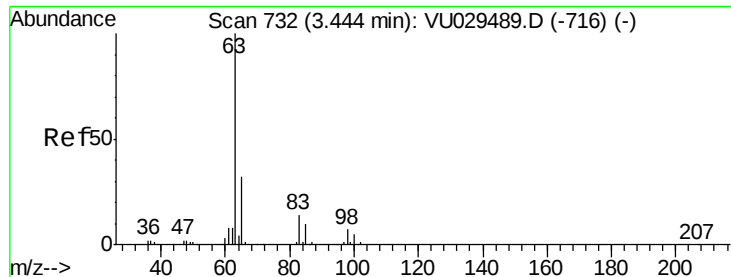
Ion Ratio Lower Upper

73 100

43 18.5 14.8 22.2

57 20.6 16.5 24.7

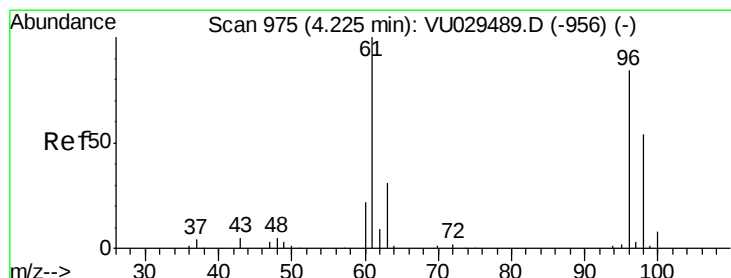
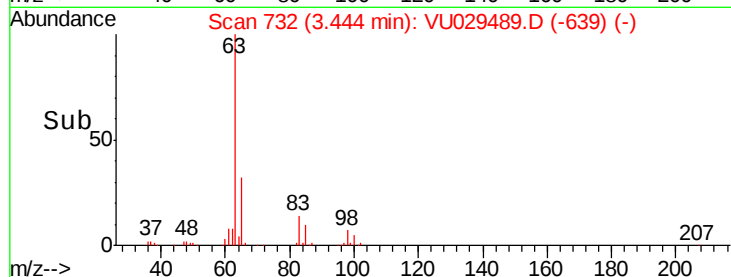
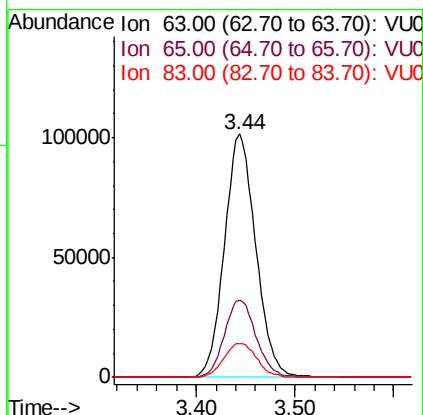
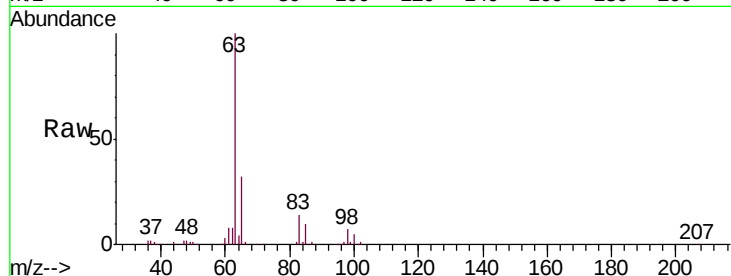




#19
 1,1-Dichloroethane
 Concen: 40.331 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

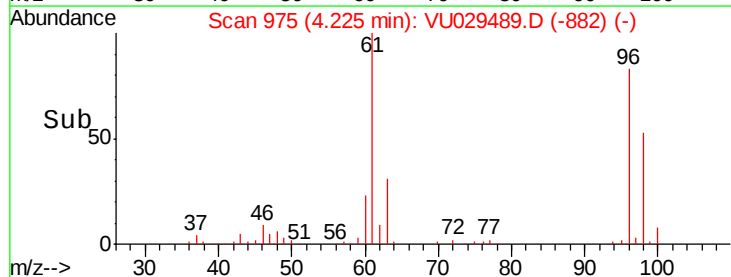
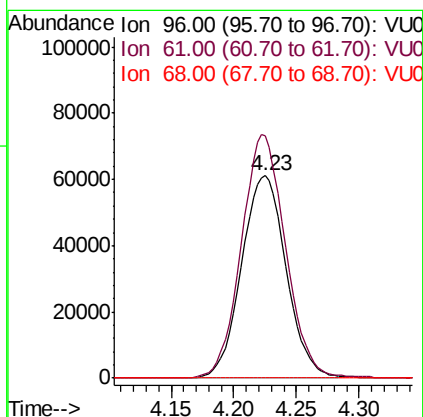
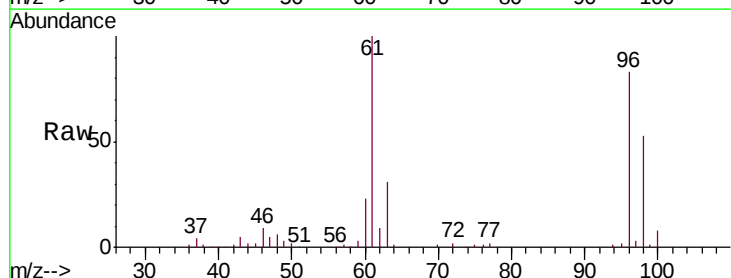
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

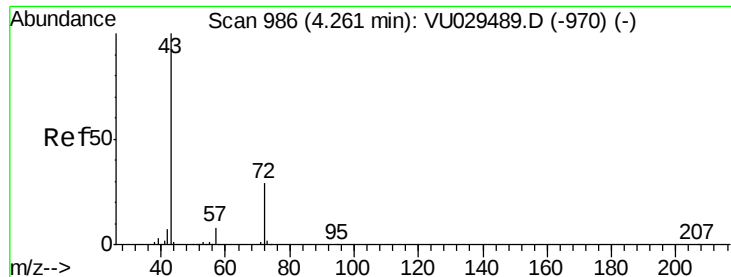
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.3
83	14.1	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 45.254 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.8	83.9	155.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 82.304 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

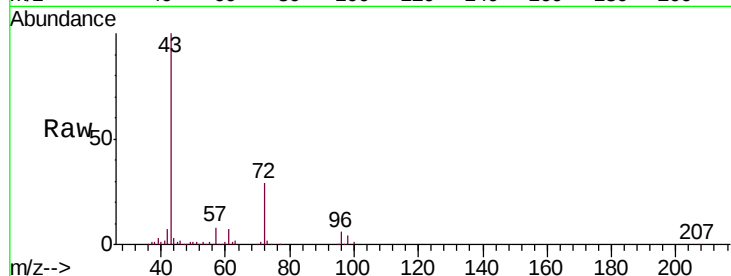
VSTD05043

Tgt Ion: 43 Resp: 236906

Ion Ratio Lower Upper

43 100

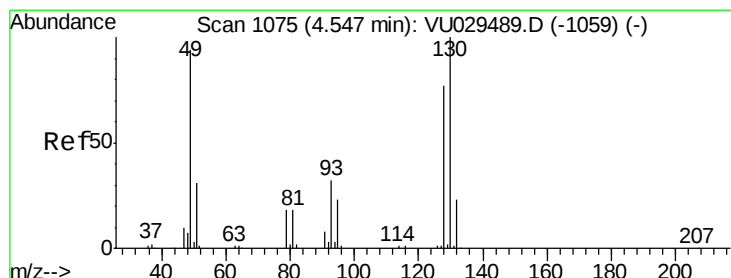
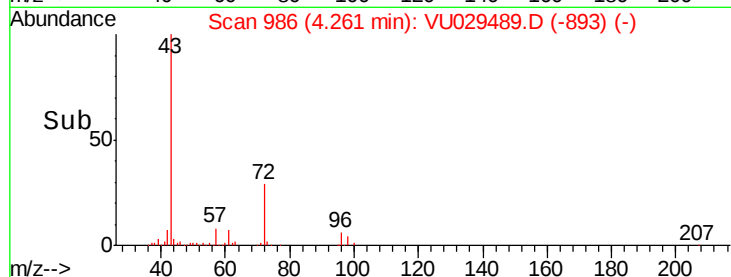
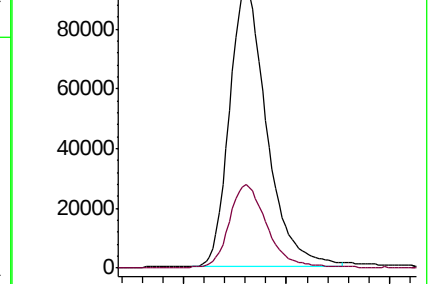
72 30.4 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029489.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU029489.D (-970) (-)

4.26



#23

Bromochloromethane

Concen: 52.276 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Tgt Ion: 128 Resp: 85908

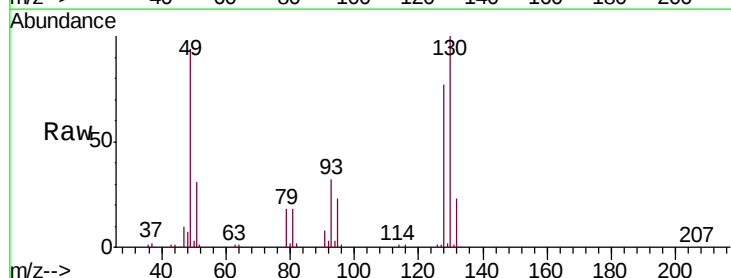
Ion Ratio Lower Upper

128 100

49 122.7 85.9 159.5

130 130.4 91.3 169.5

51 40.2 32.2 48.2

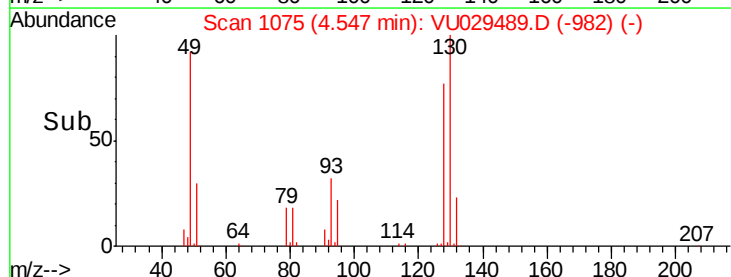
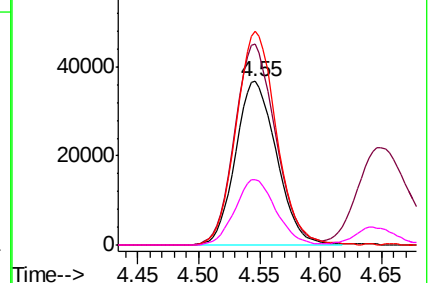


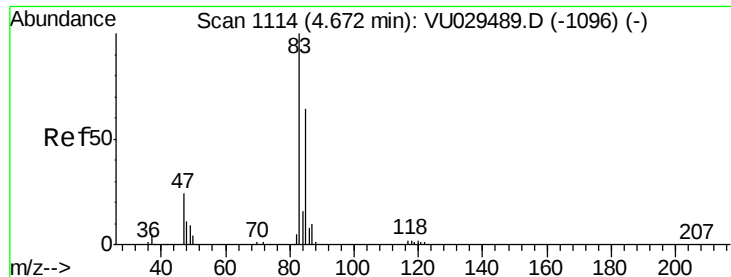
Abundance Ion 128.00 (127.70 to 128.70): VU029489.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029489.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029489.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029489.D (-1059) (-)

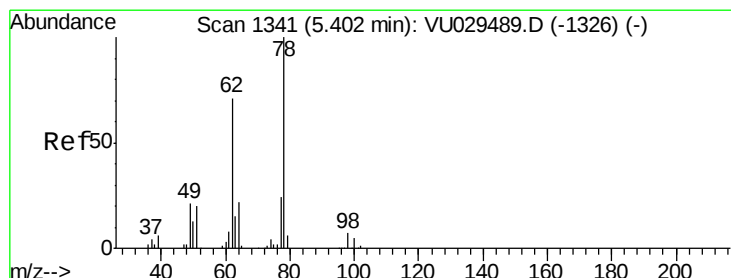
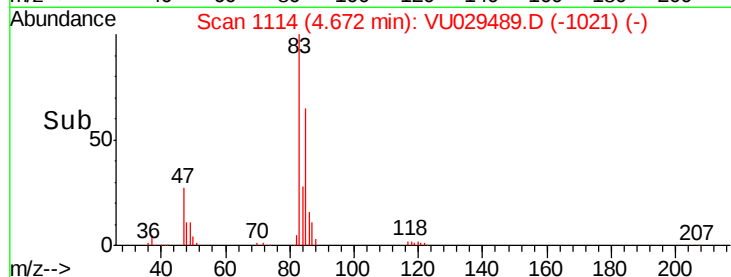
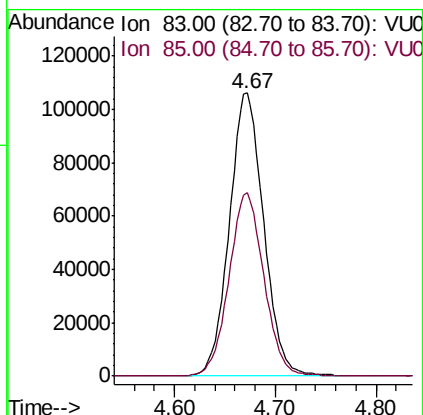
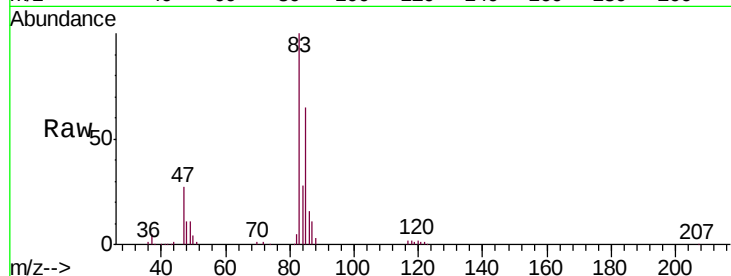




#25
Chloroform
Concen: 45.853 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

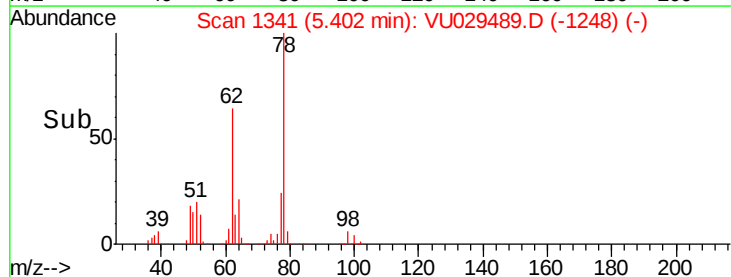
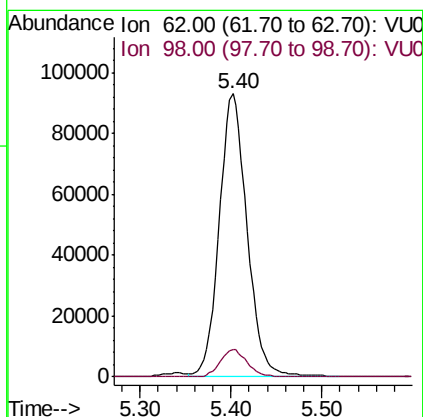
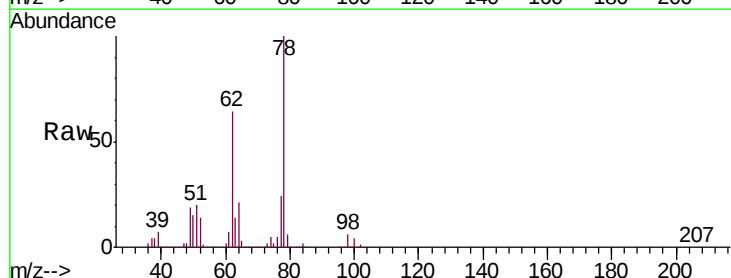
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

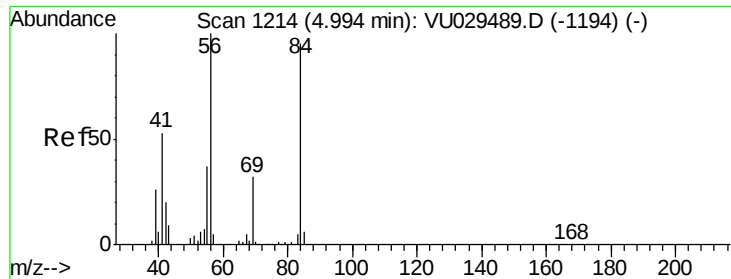
Tgt Ion: 83 Resp: 250750
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 48.028 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

Tgt Ion: 62 Resp: 196849
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8

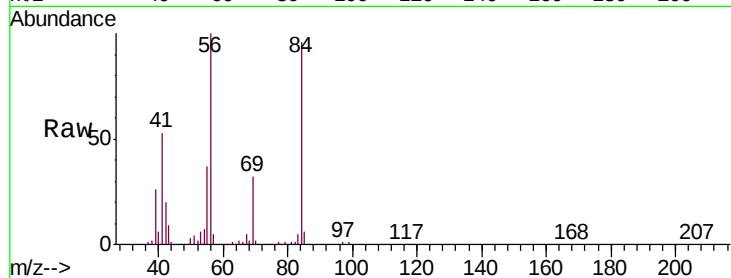




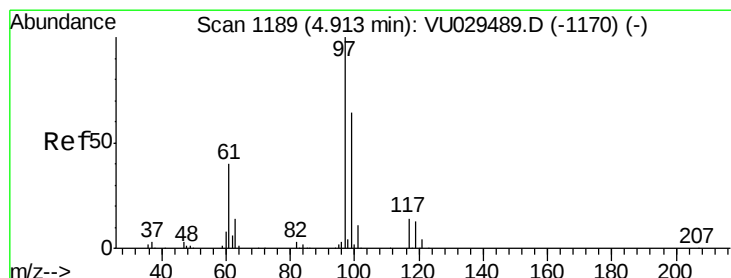
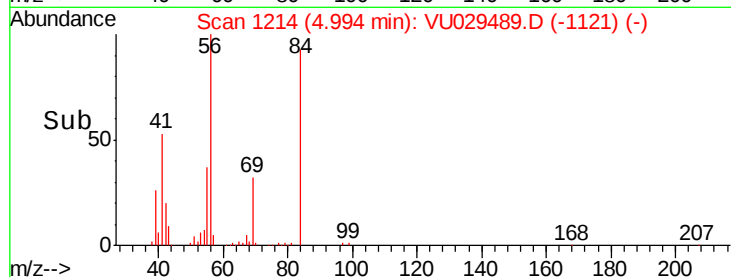
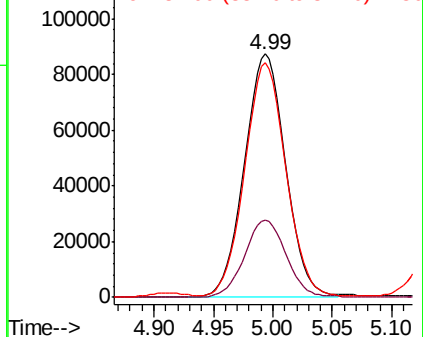
#29
Cyclohexane
Concen: 38.558 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion: 56 Resp: 209903
Ion Ratio Lower Upper
56 100
69 32.1 25.7 38.5
84 96.4 77.1 115.7

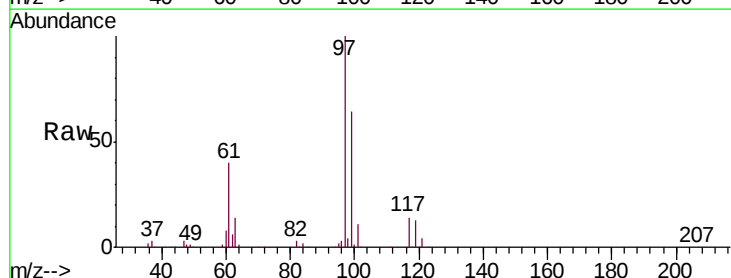


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

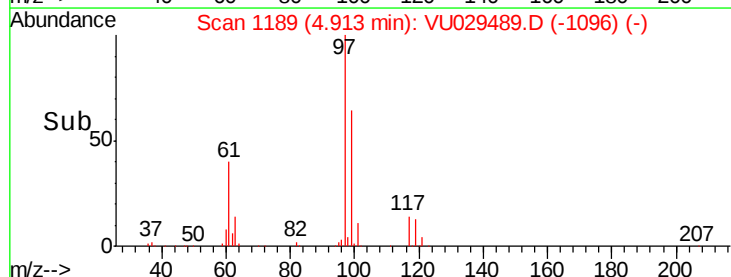
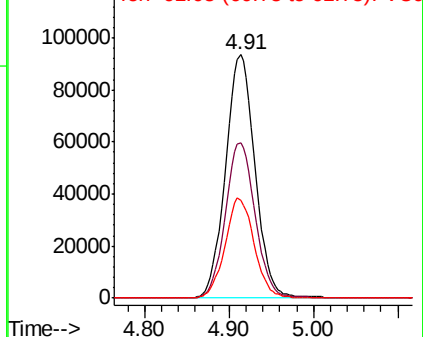


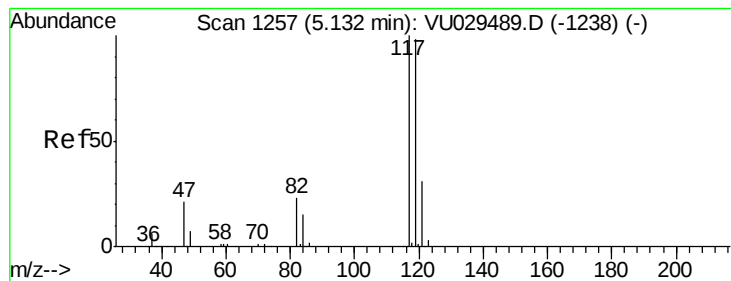
#30
1,1,1-Trichloroethane
Concen: 49.669 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

Tgt Ion: 97 Resp: 227605
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 40.4 32.3 48.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 54.191 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

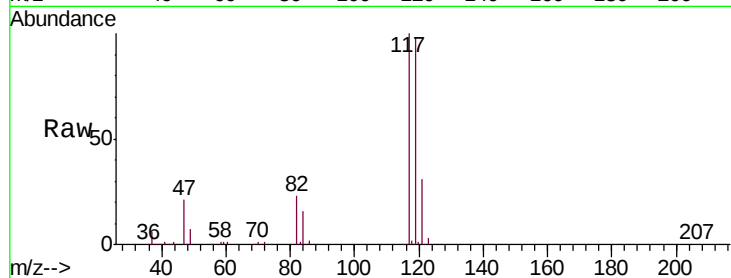
VSTD05043

Tgt Ion:117 Resp: 205076

Ion Ratio Lower Upper

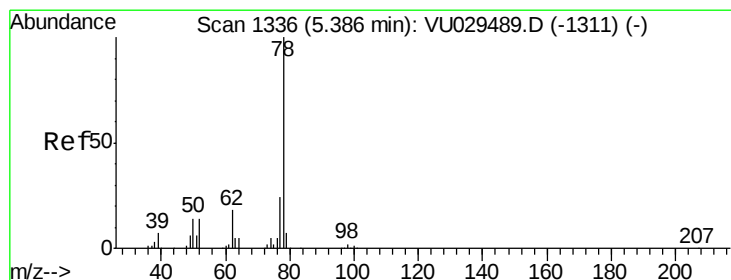
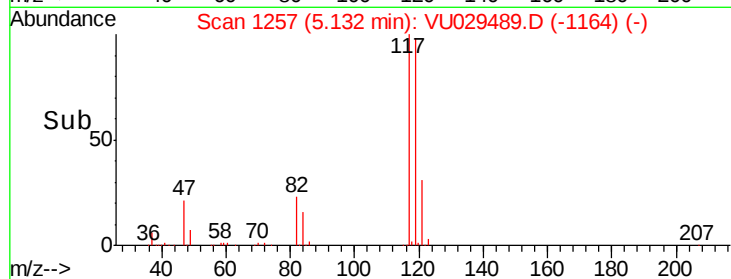
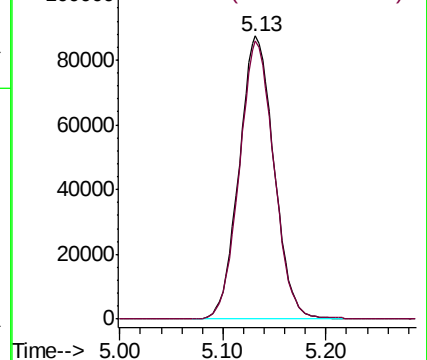
117 100

119 97.3 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 41.985 ug/L

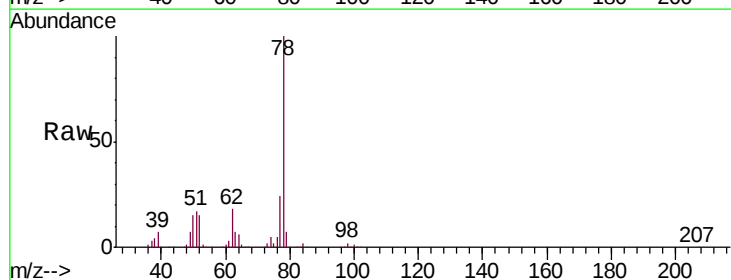
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

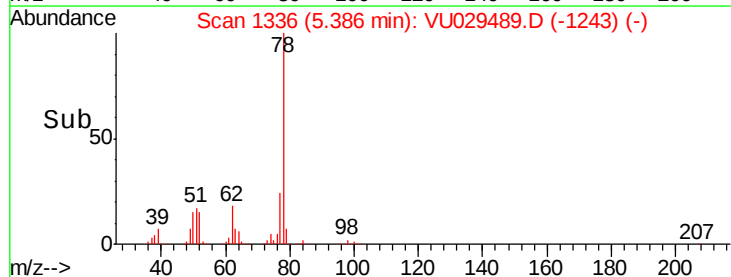
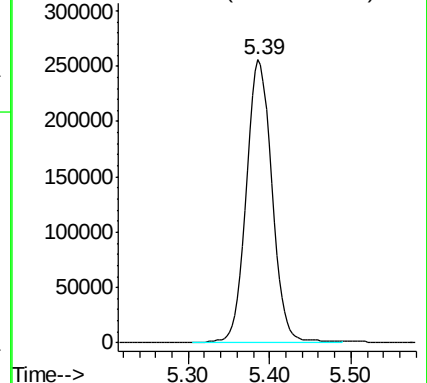
Lab File: VU029489.D

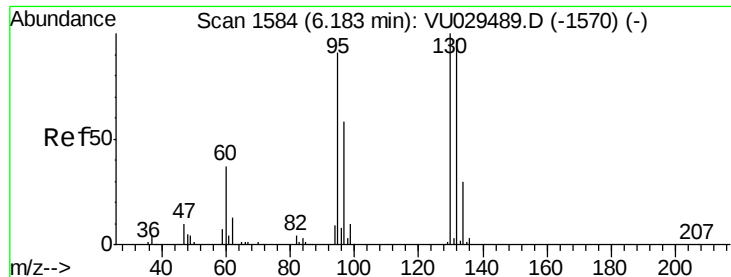
Acq: 15 Feb 2019 11:09

Tgt Ion: 78 Resp: 556458



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 45.947 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 95 Resp: 150443

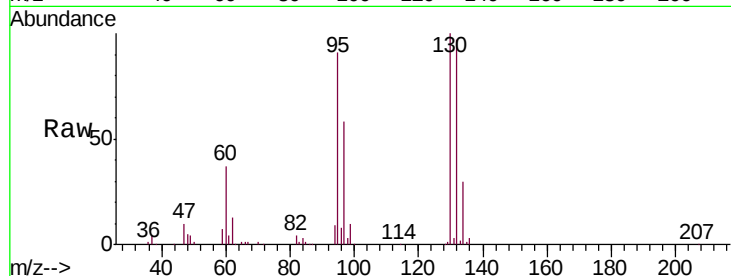
Ion Ratio Lower Upper

95 100

97 63.7 44.6 82.8

132 106.6 74.6 138.6

130 110.3 77.2 143.4

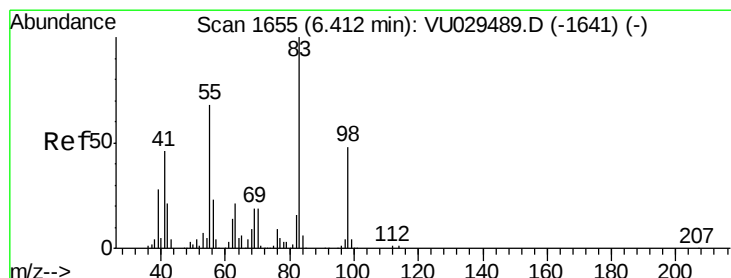
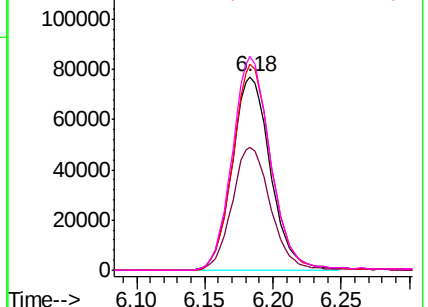
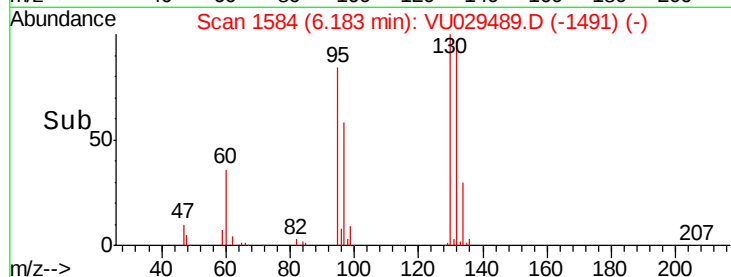


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 45.268 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

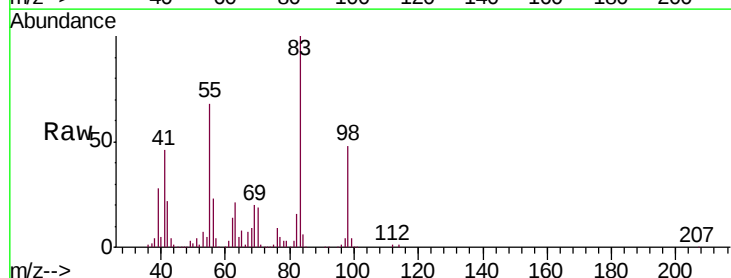
Tgt Ion: 83 Resp: 244139

Ion Ratio Lower Upper

83 100

55 69.0 55.2 82.8

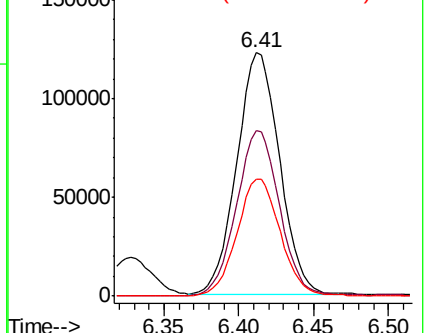
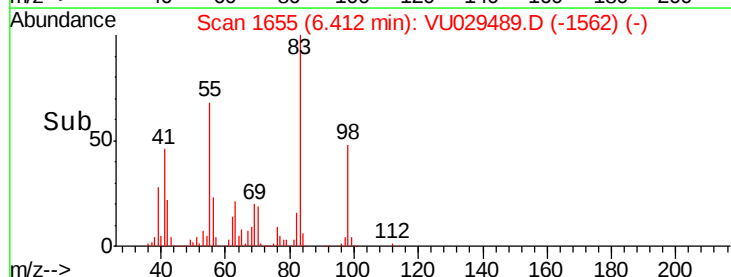
98 49.3 39.4 59.2

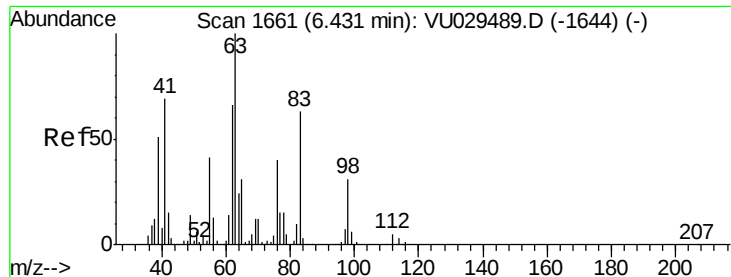


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

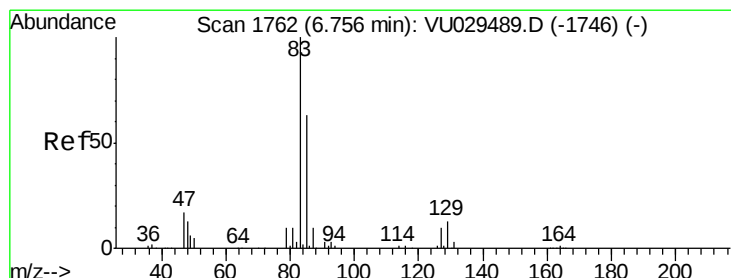
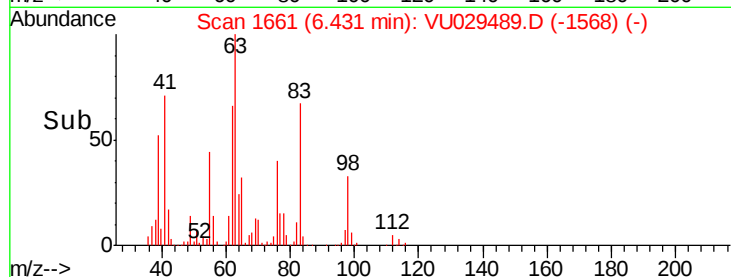
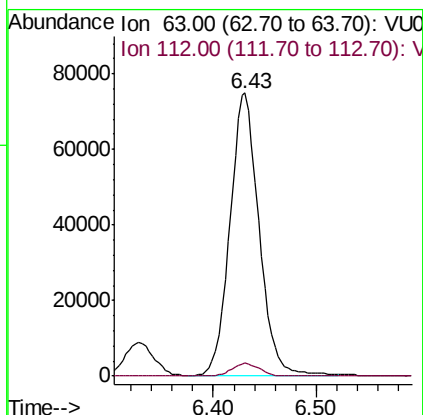
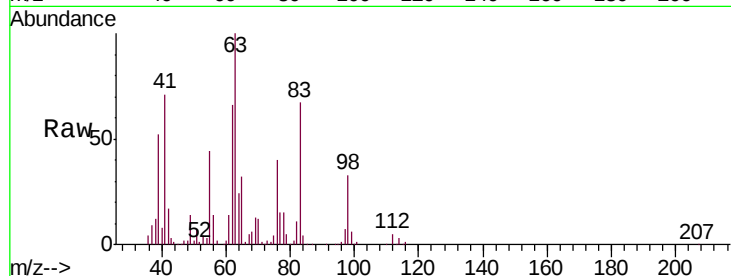




#37
 1,2-Dichloropropane
 Concen: 39.935 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

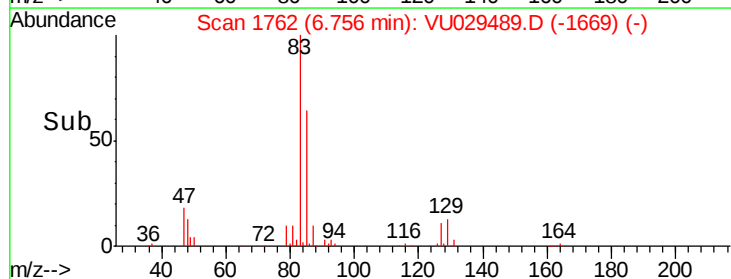
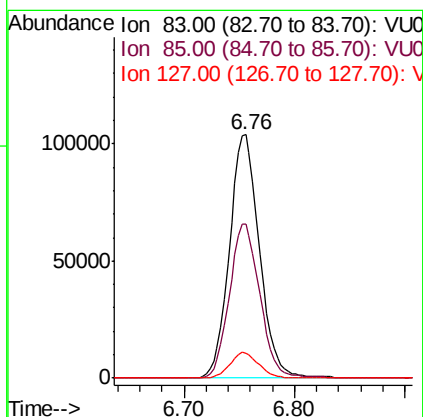
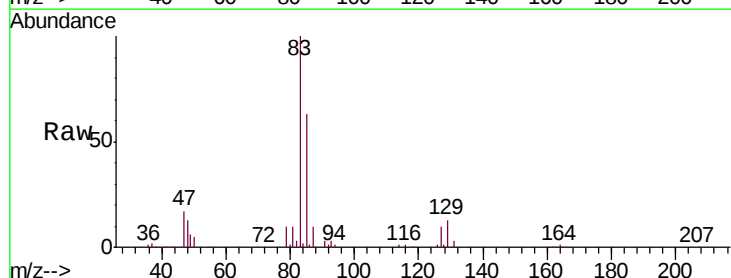
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

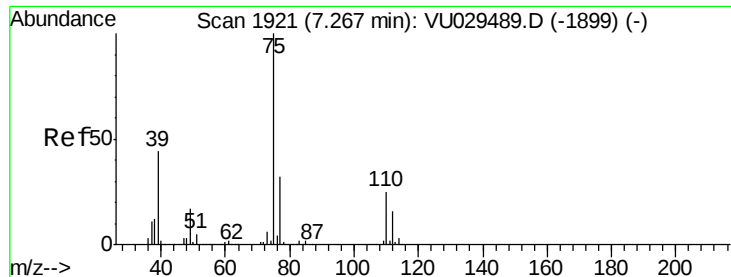
Tgt Ion: 63 Resp: 146626
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 46.760 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

Tgt Ion: 83 Resp: 196114
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.2 82.0
 127 10.4 8.3 12.5



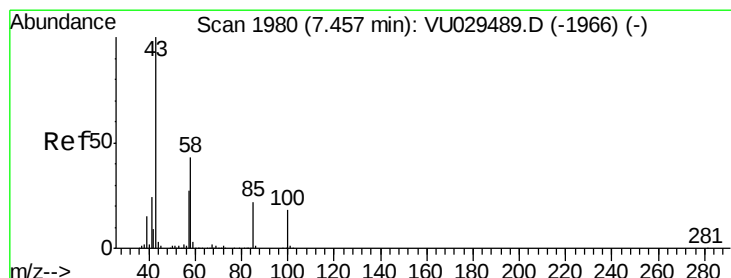
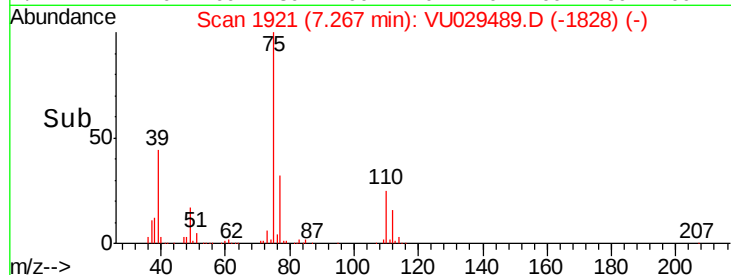
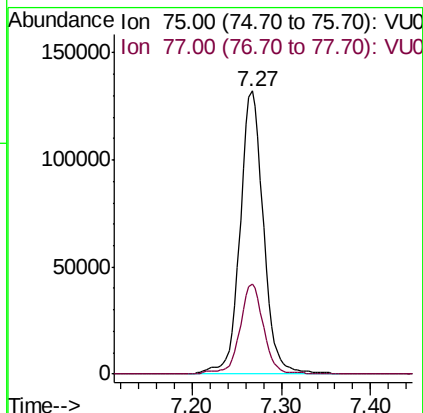
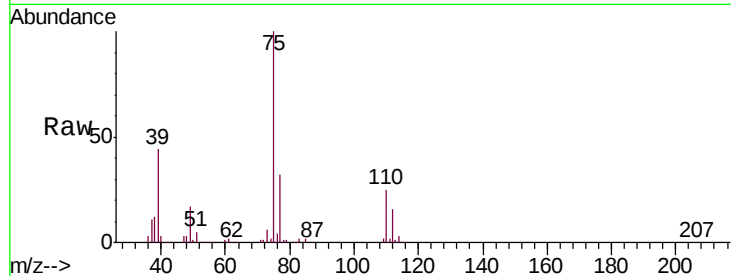


#39

cis-1,3-Dichloropropene
 Concen: 45.124 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

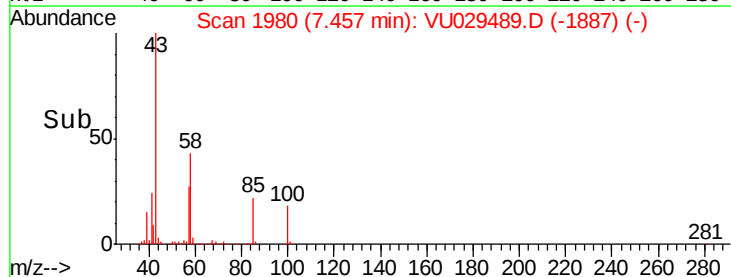
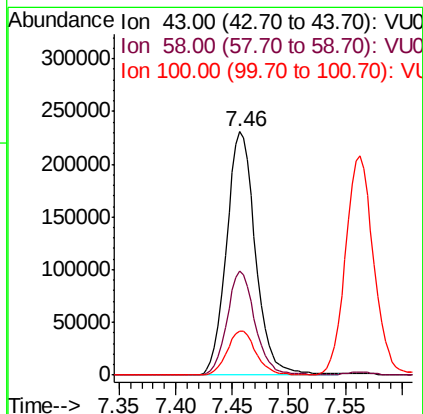
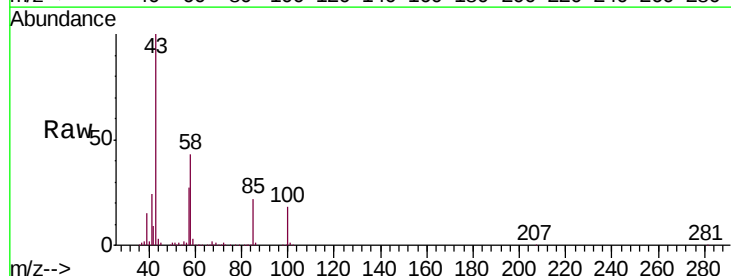
Tgt Ion: 75 Resp: 242071
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5

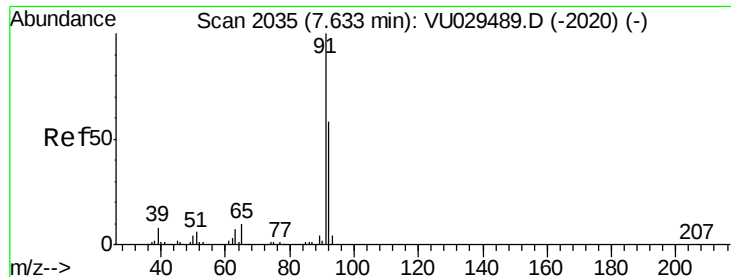


#40

4-Methyl-2-pentanone
 Concen: 83.094 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

Tgt Ion: 43 Resp: 411947
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.0 49.4
 100 18.1 14.5 21.7





#42

Toluene

Concen: 47.585 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

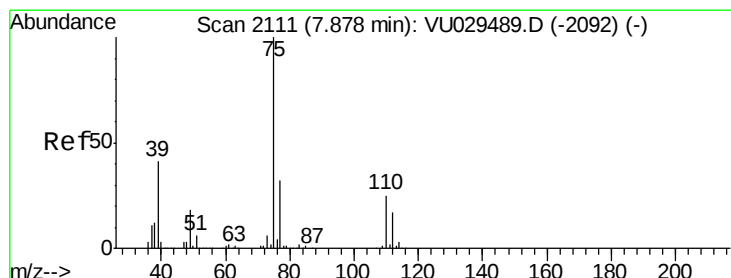
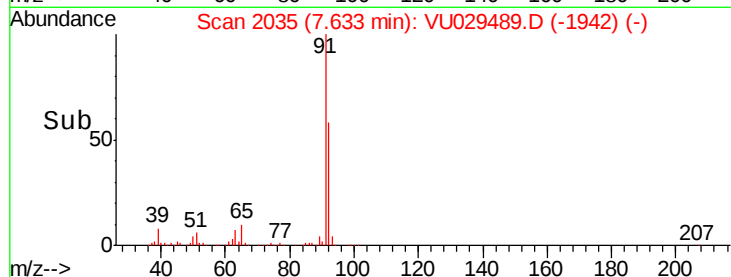
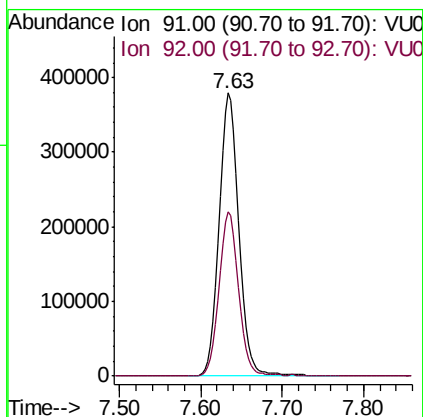
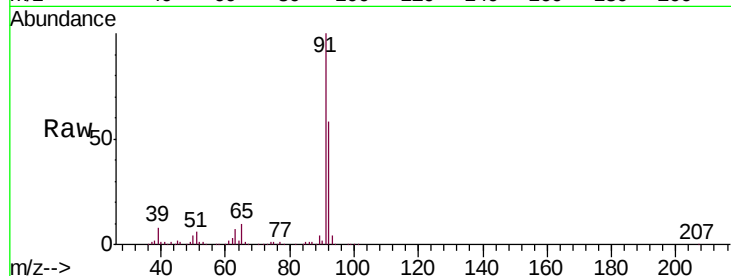
VSTD05043

Tgt Ion: 91 Resp: 654716

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 47.014 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029489.D

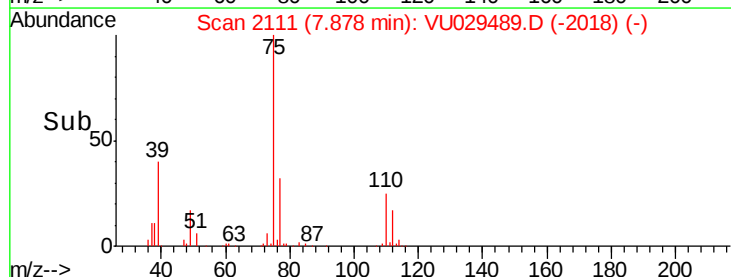
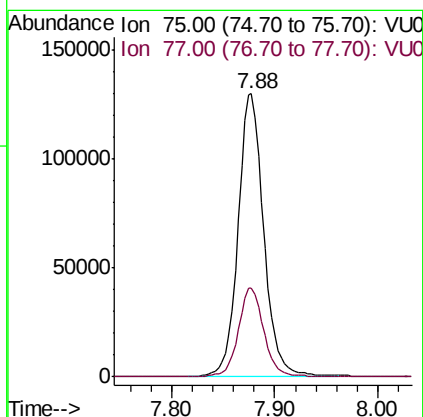
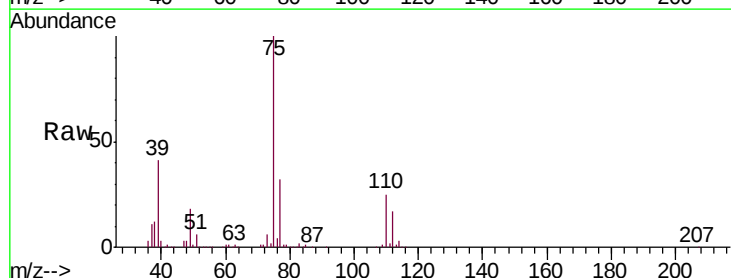
Acq: 15 Feb 2019 11:09

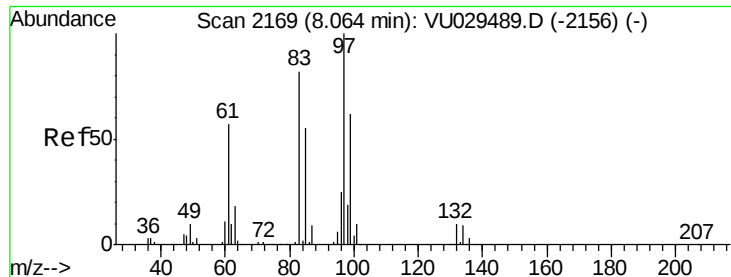
Tgt Ion: 75 Resp: 225496

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

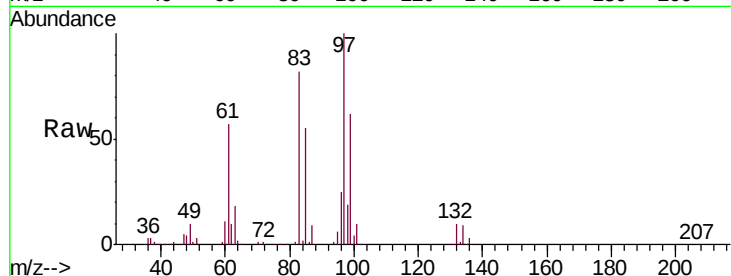




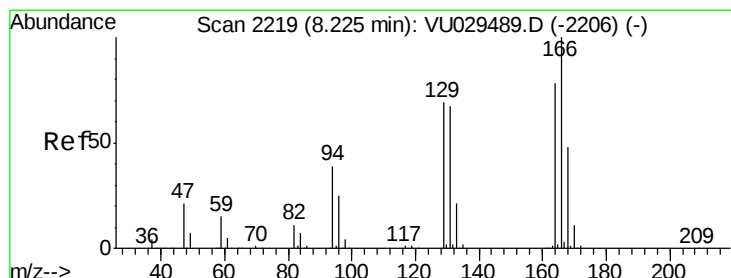
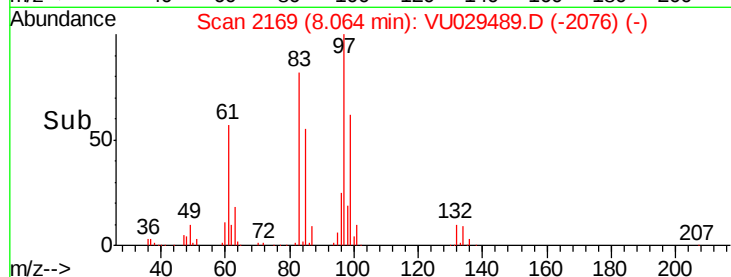
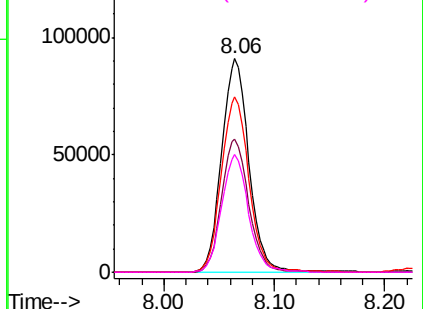
#45
 1,1,2-Trichloroethane
 Concen: 47.723 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion:	97	Resp:	155963
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	82.4	57.7	107.1
85	55.0	38.5	71.5

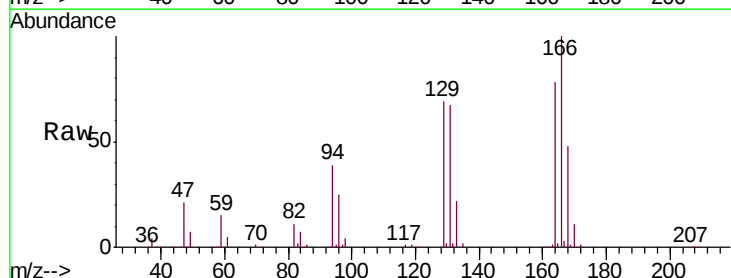


Abundance Ion 97.00 (96.70 to 97.70): VU029489.D (-2156) (-)
 Ion 99.00 (98.70 to 99.70): VU029489.D (-2156) (-)
 Ion 83.00 (82.70 to 83.70): VU029489.D (-2156) (-)
 Ion 85.00 (84.70 to 85.70): VU029489.D (-2156) (-)

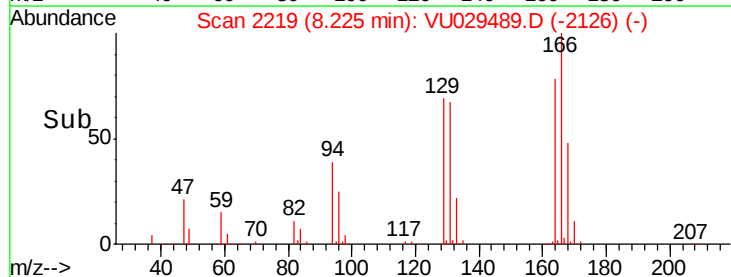
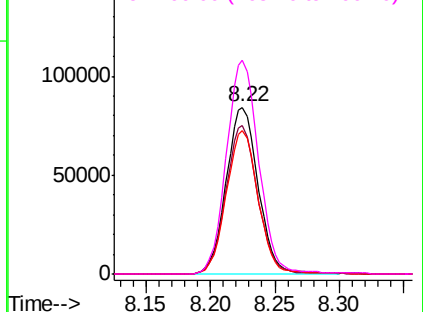


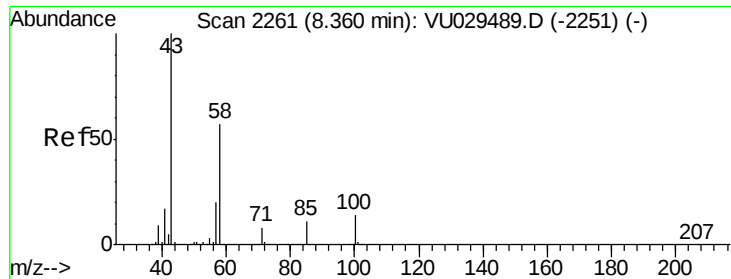
#46
 Tetrachloroethene
 Concen: 54.971 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

Tgt Ion:	164	Resp:	145384
Ion	Ratio	Lower	Upper
164	100		
129	88.7	62.1	115.3
131	85.8	60.1	111.5
166	128.1	89.7	166.5



Abundance Ion 164.00 (163.70 to 164.70): VU029489.D (-2206) (-)
 Ion 129.00 (128.70 to 129.70): VU029489.D (-2206) (-)
 Ion 131.00 (130.70 to 131.70): VU029489.D (-2206) (-)
 Ion 166.00 (165.70 to 166.70): VU029489.D (-2206) (-)

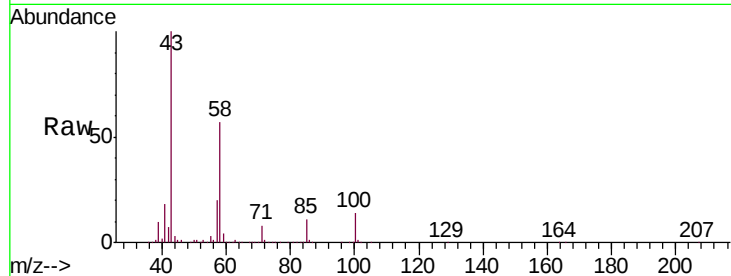




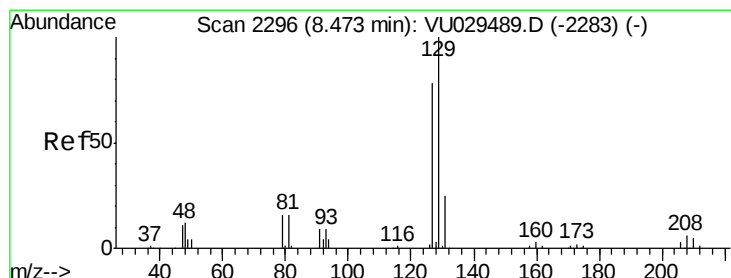
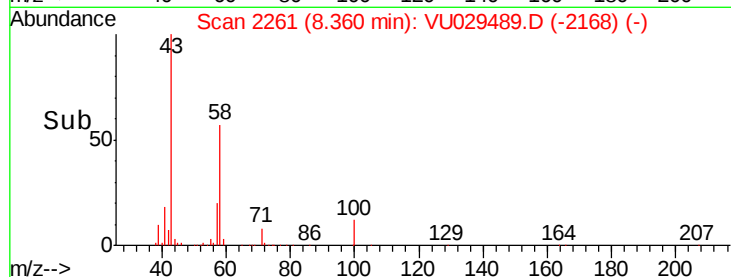
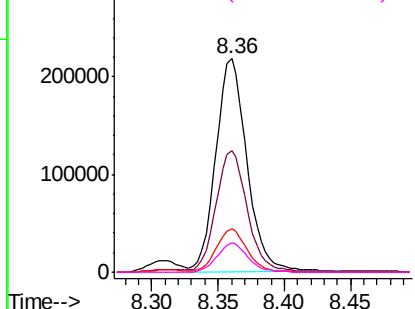
#48
2-Hexanone
Concen: 87.150 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion:	43	Resp:	356757
Ion	Ratio	Lower	Upper
43	100		
58	58.0	46.4	69.6
57	19.6	15.7	23.5
100	13.6	10.9	16.3

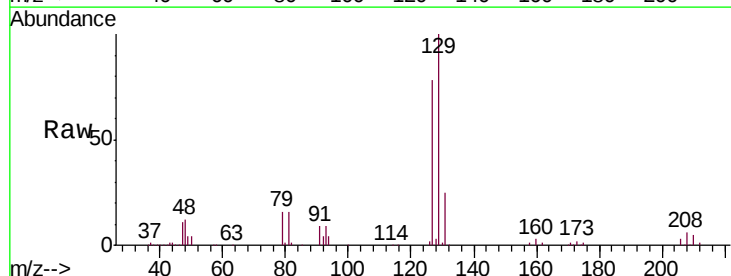


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

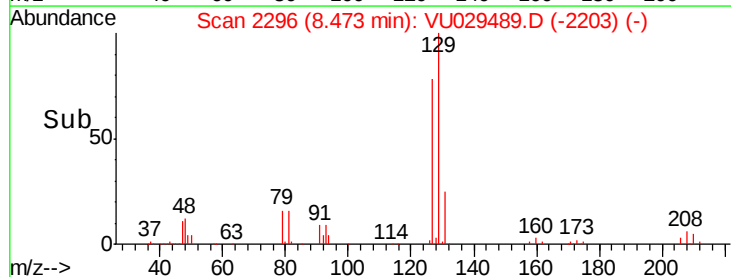
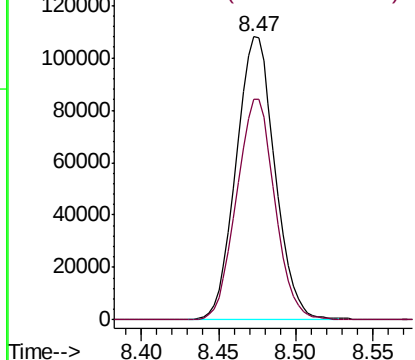


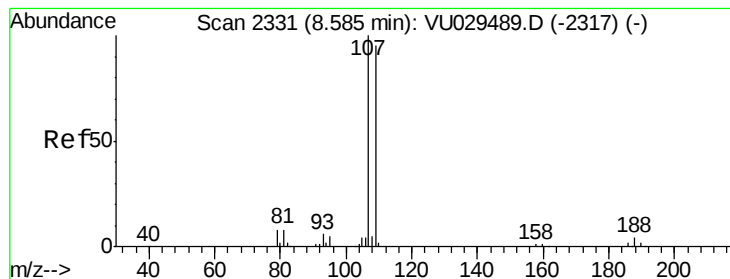
#49
Dibromochloromethane
Concen: 55.775 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029489.D
Acq: 15 Feb 2019 11:09

Tgt Ion:	129	Resp:	188411
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 50.689 ug/L

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

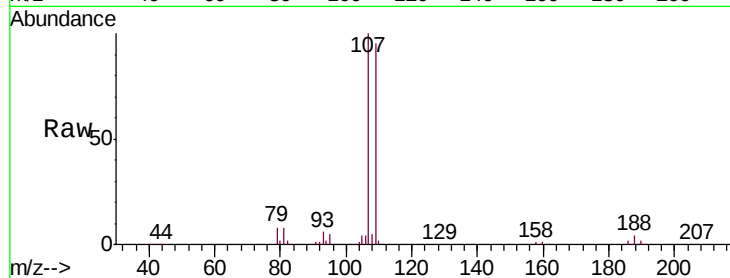
Tgt Ion:107 Resp: 173785

Ion Ratio Lower Upper

107 100

109 94.9 66.4 123.4

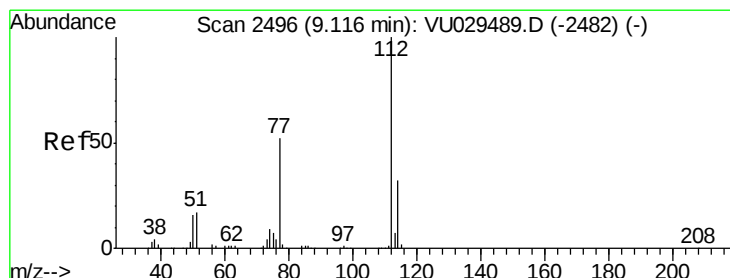
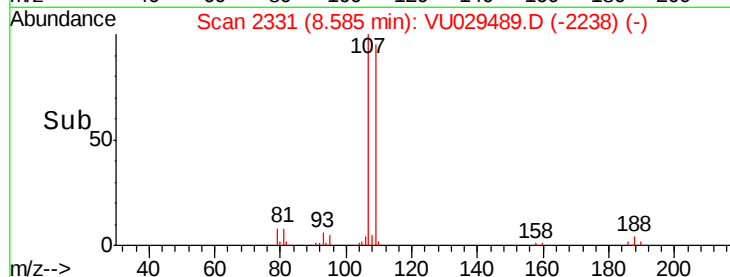
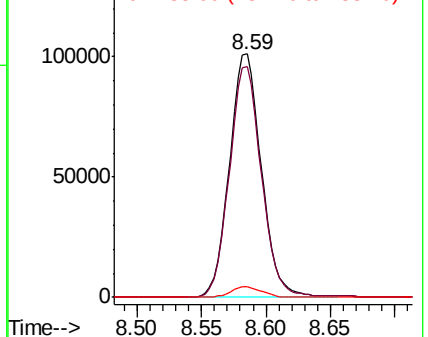
188 4.4 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.872 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

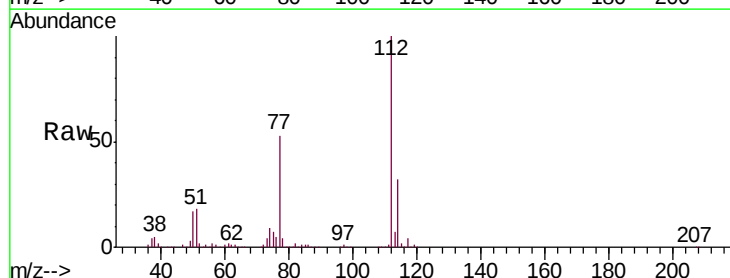
Tgt Ion:112 Resp: 450637

Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

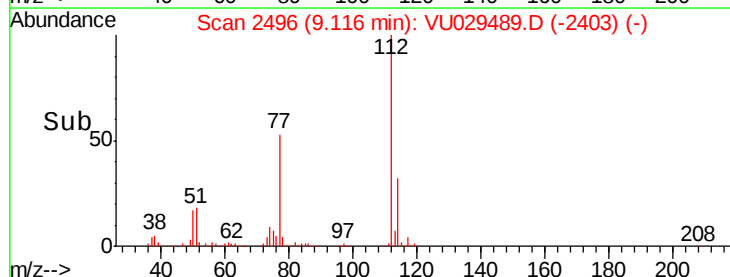
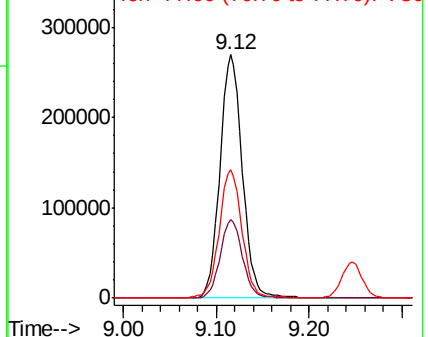
77 52.6 42.1 63.1

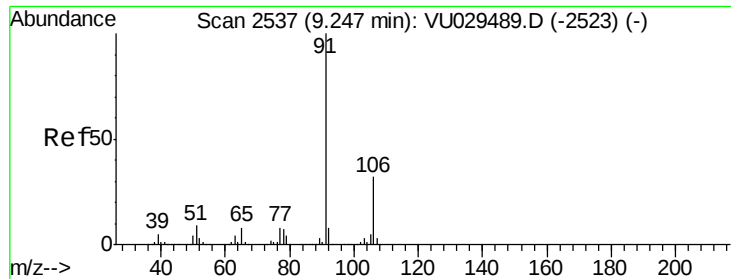


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 49.783 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

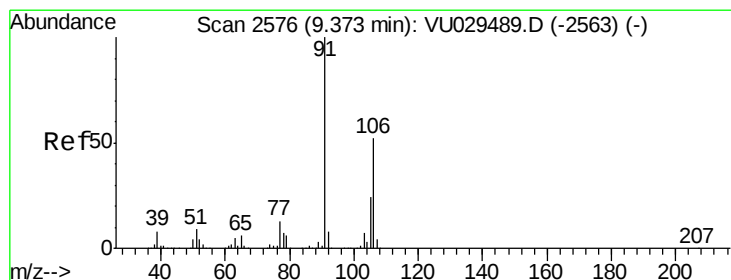
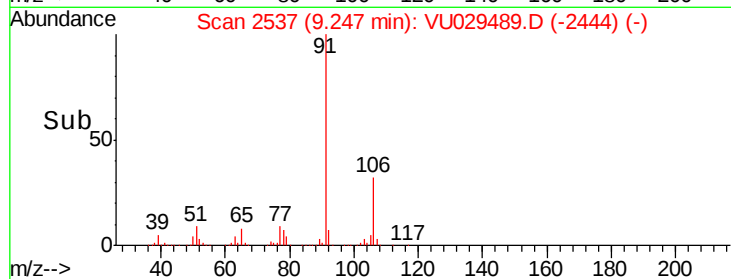
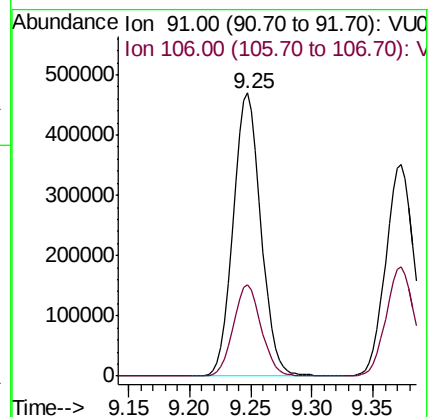
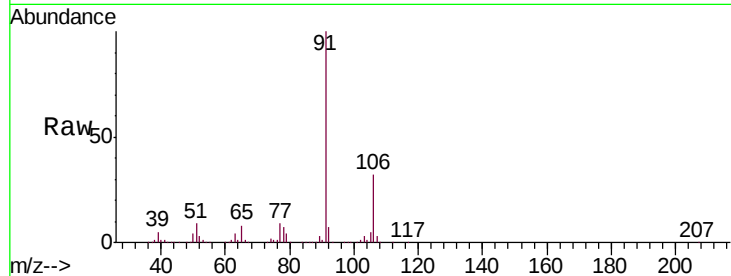
VSTD05043

Tgt Ion: 91 Resp: 745521

Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



#53

m,p-Xylene

Concen: 52.691 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029489.D

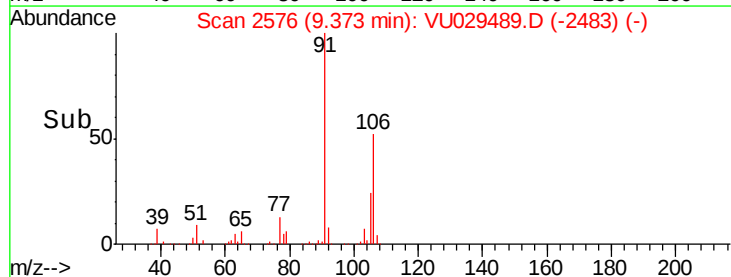
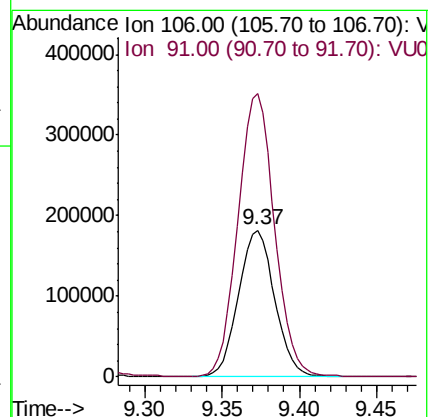
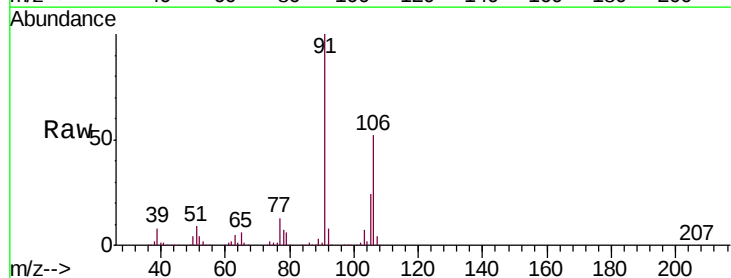
Acq: 15 Feb 2019 11:09

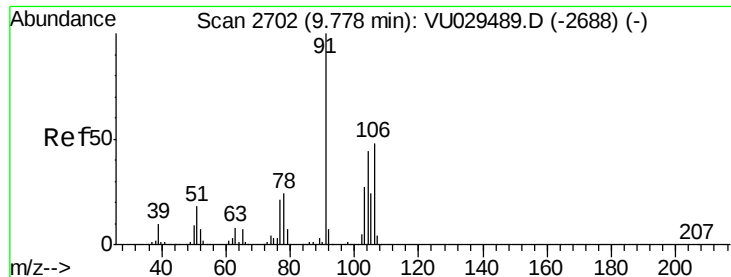
Tgt Ion: 106 Resp: 294734

Ion Ratio Lower Upper

106 100

91 193.3 135.3 251.3





#54

o-xylene

Concen: 53.197 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

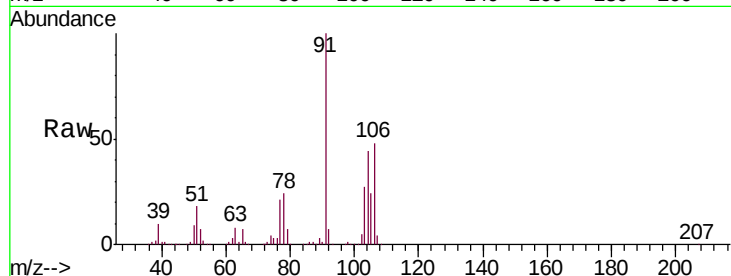
VSTD05043

Tgt Ion:106 Resp: 299274

Ion Ratio Lower Upper

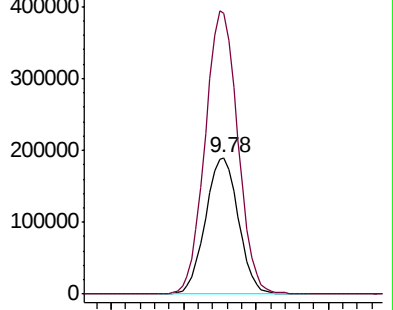
106 100

91 206.4 144.5 268.3

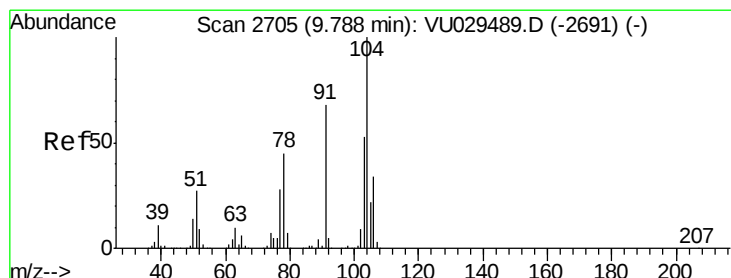
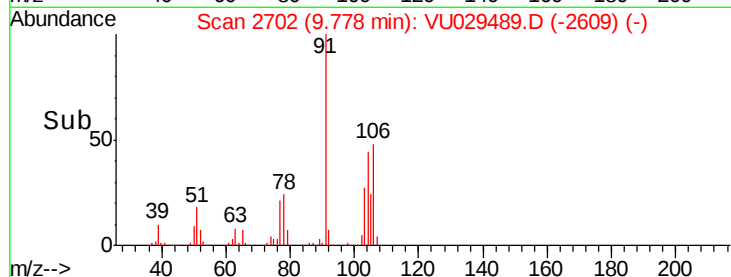


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 53.007 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU029489.D

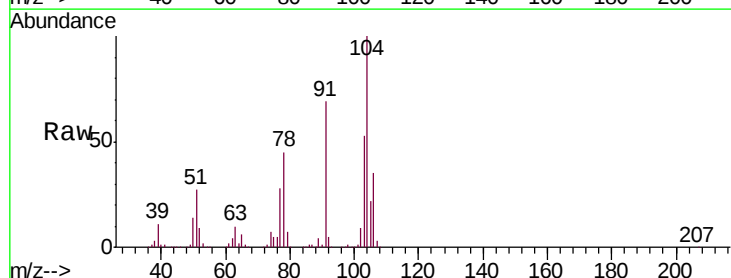
Acq: 15 Feb 2019 11:09

Tgt Ion:104 Resp: 503651

Ion Ratio Lower Upper

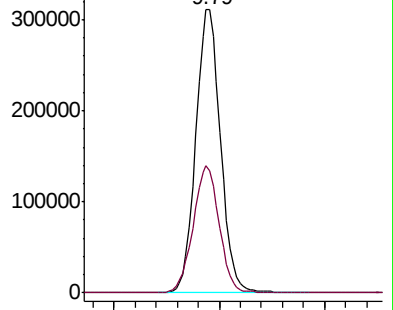
104 100

78 44.7 31.3 58.1

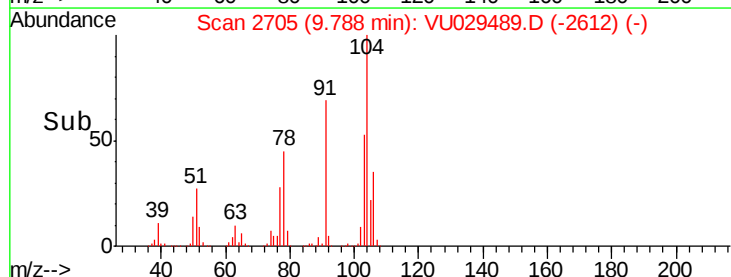


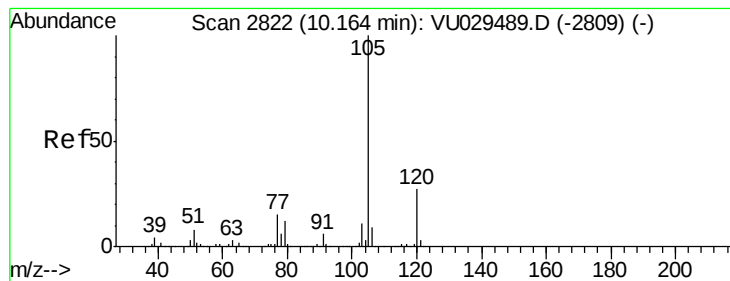
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 54.212 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

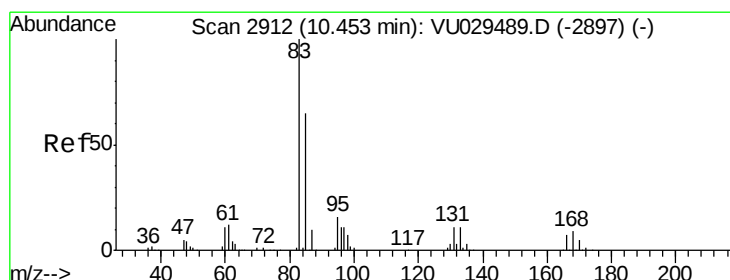
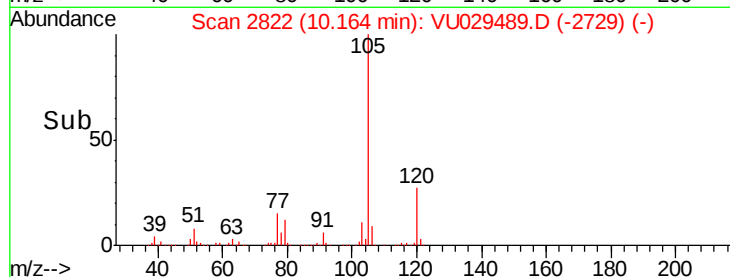
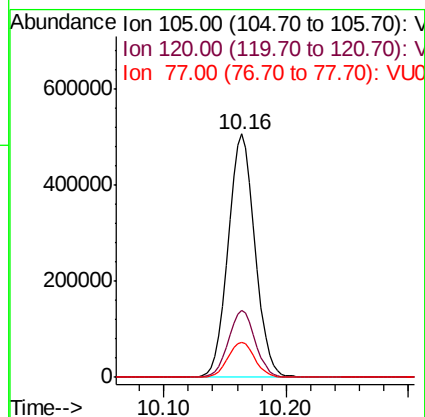
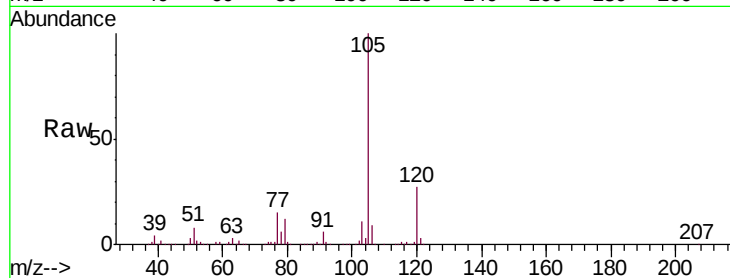
Tgt Ion: 105 Resp: 779399

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

77 14.6 11.7 17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 46.234 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

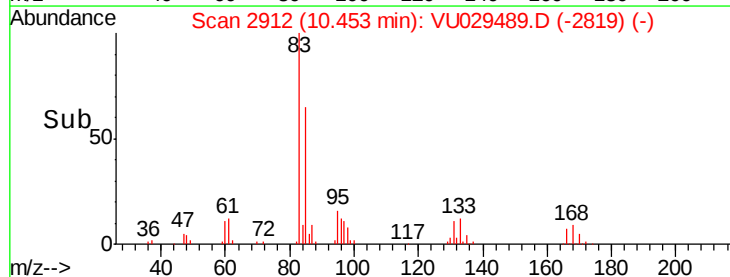
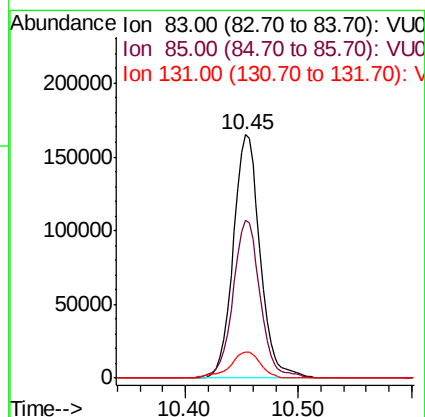
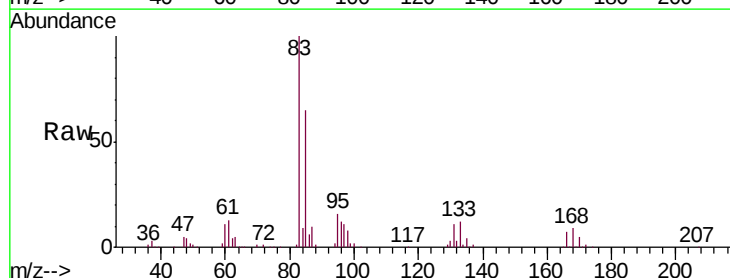
Tgt Ion: 83 Resp: 272289

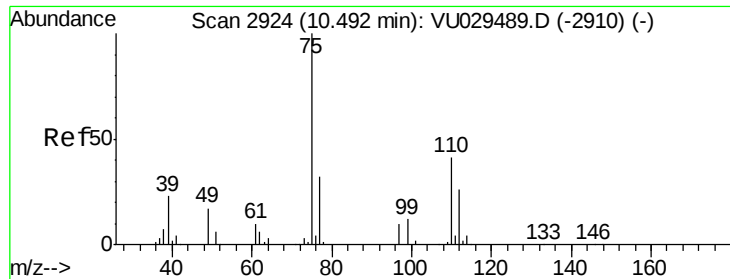
Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

131 10.7 8.6 12.8





#59

1,2,3-Trichloropropane

Concen: 45.894 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampled :

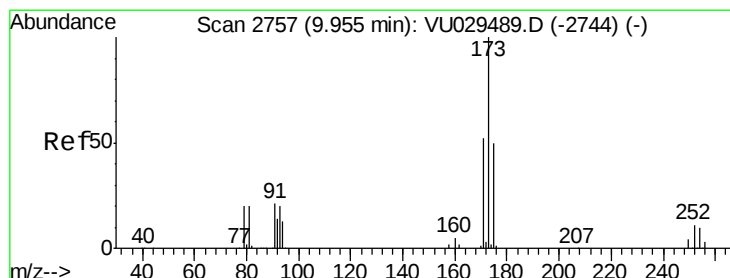
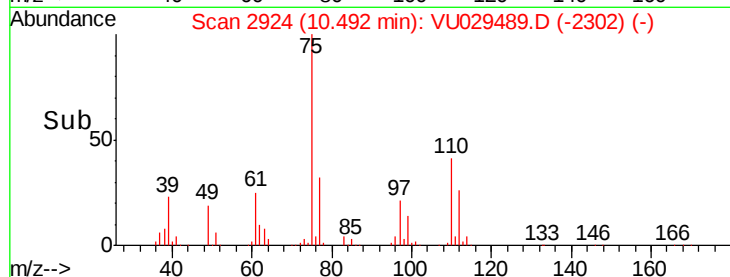
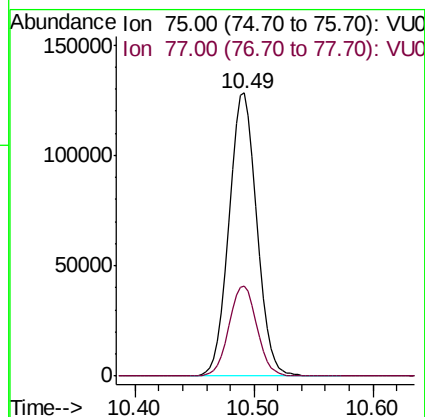
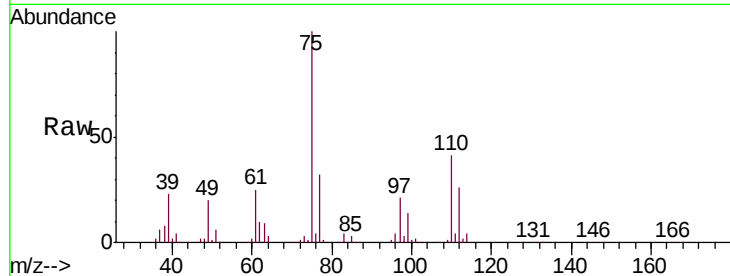
VSTD05043

Tgt Ion: 75 Resp: 207581

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 52.205 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

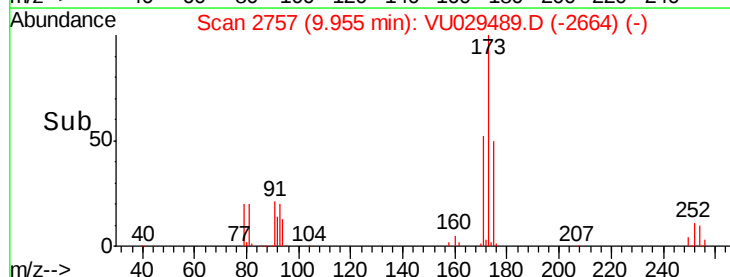
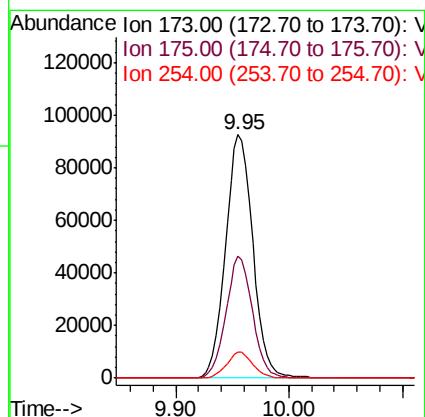
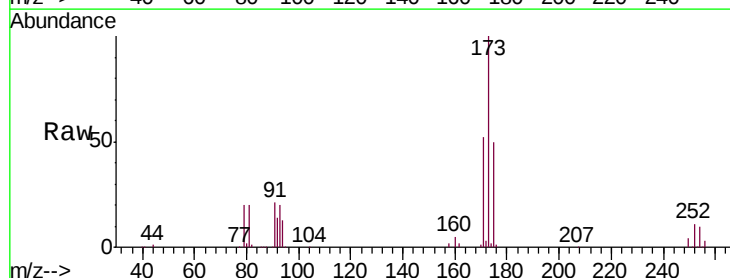
Tgt Ion: 173 Resp: 155373

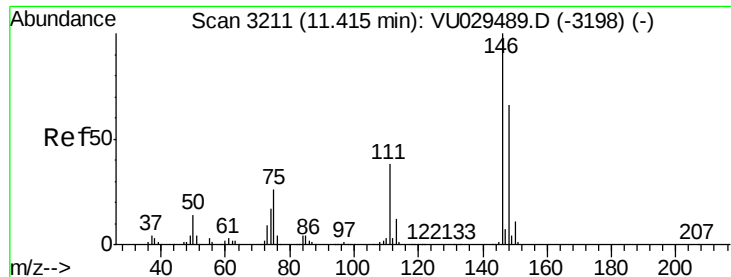
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 10.1 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 49.775 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

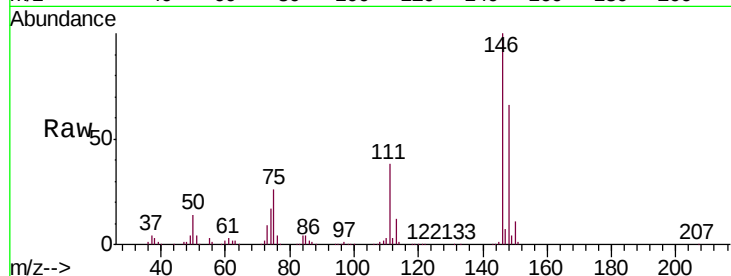
Tgt Ion:146 Resp: 375475

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.5

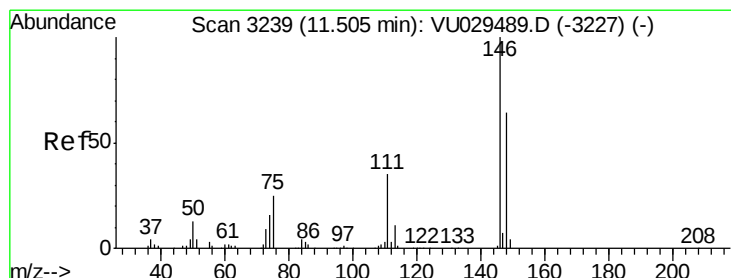
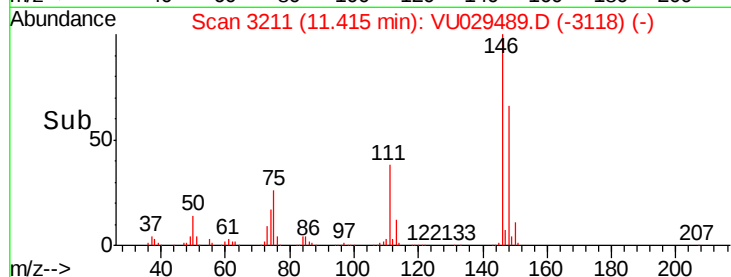
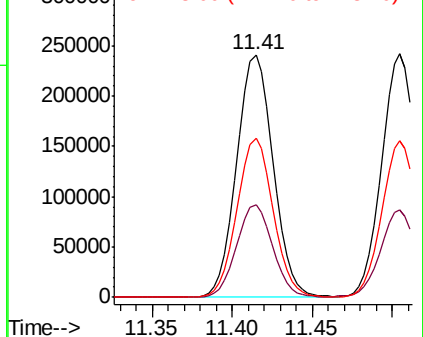
148 65.6 45.9 85.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.679 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

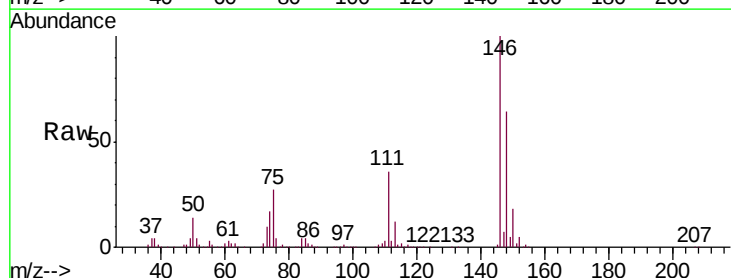
Tgt Ion:146 Resp: 377304

Ion Ratio Lower Upper

146 100

111 35.8 25.1 46.5

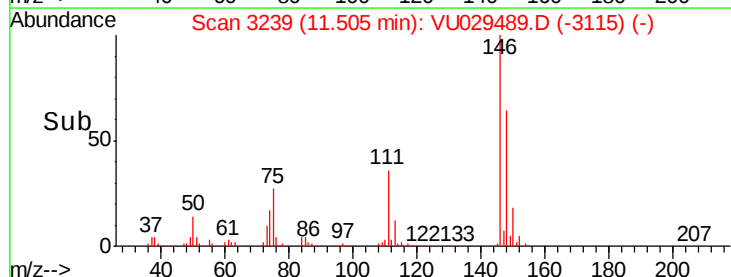
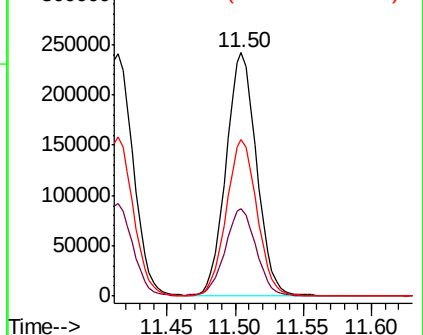
148 64.3 45.0 83.6

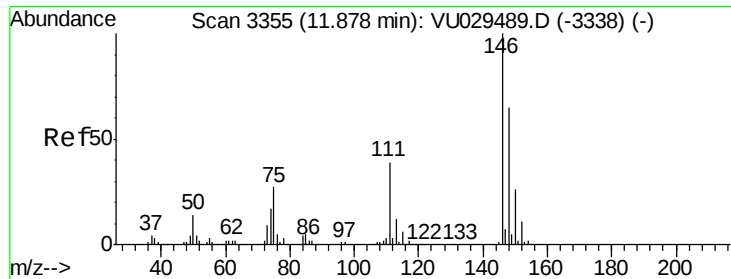


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.375 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

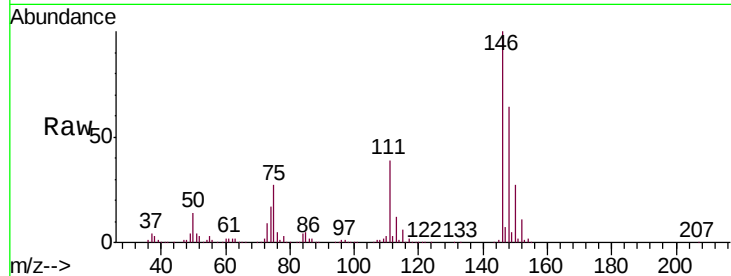
Tgt Ion:146 Resp: 386515

Ion Ratio Lower Upper

146 100

111 39.0 31.2 46.8

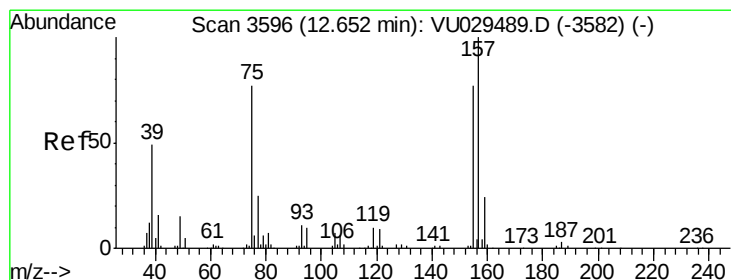
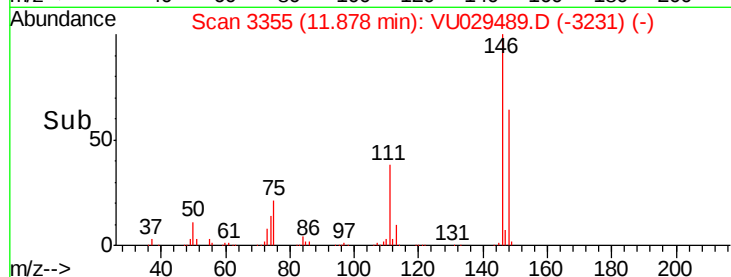
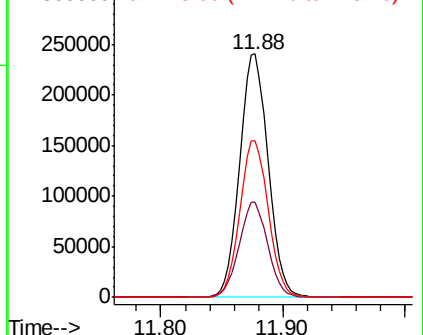
148 64.5 51.6 77.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.903 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

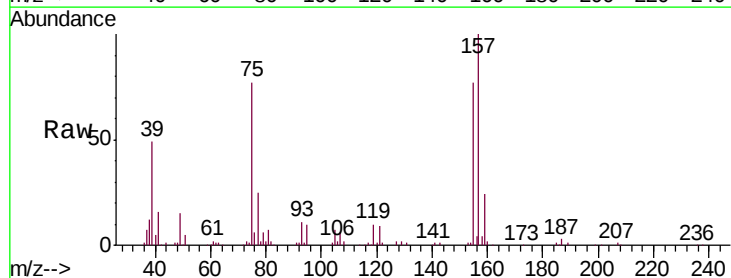
Tgt Ion: 75 Resp: 62747

Ion Ratio Lower Upper

75 100

155 99.4 79.5 119.3

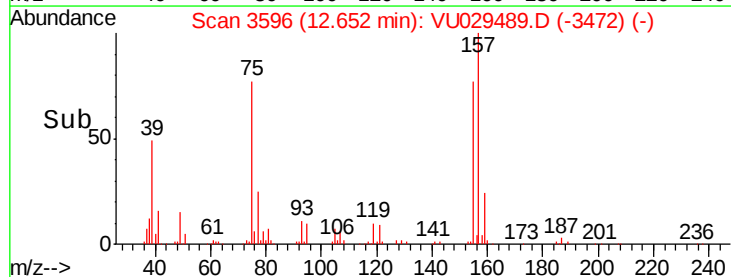
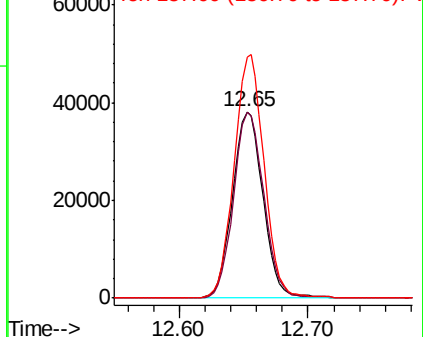
157 129.2 103.4 155.0

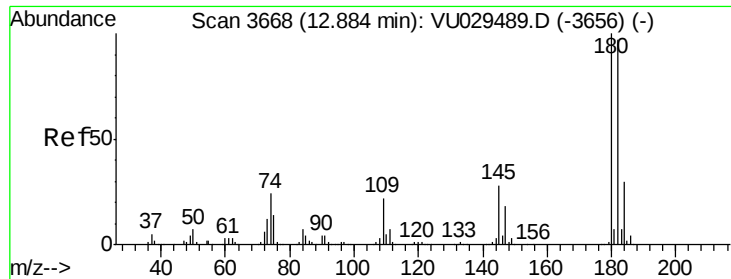


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

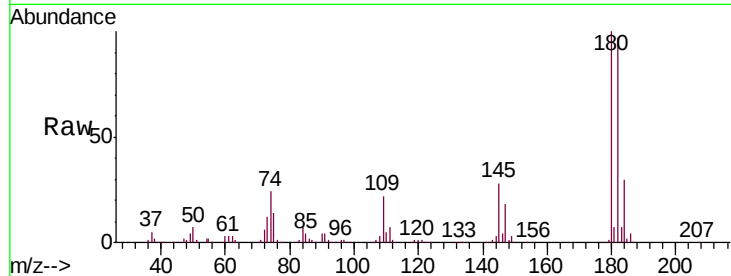




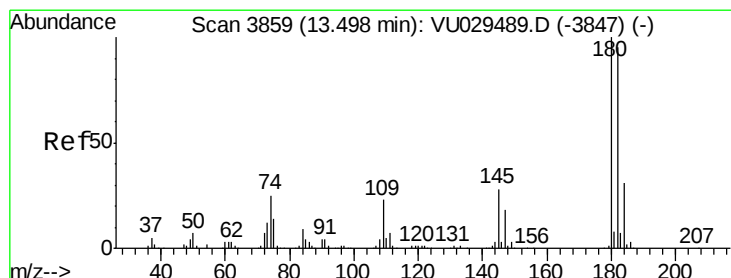
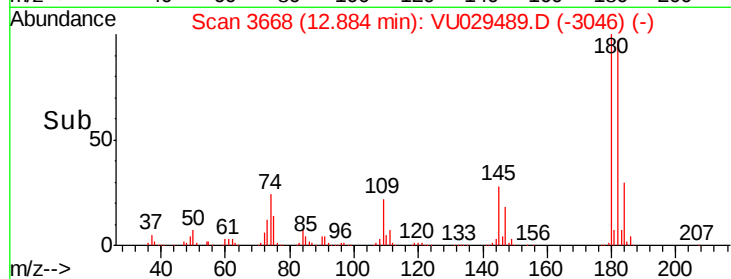
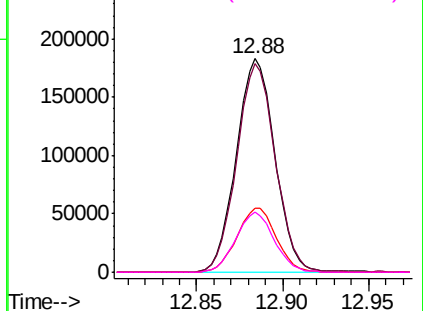
#67
 1,3,5-Trichlorobenzene
 Concen: 51.153 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion:	180	Resp:	285382
Ion Ratio	Lower	Upper	
180	100		
182	97.4	77.9	116.9
184	30.6	24.5	36.7
145	28.0	22.4	33.6

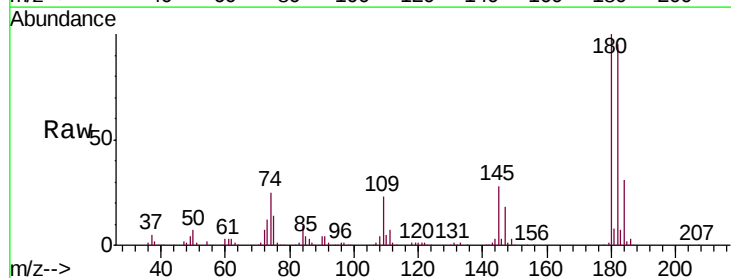


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

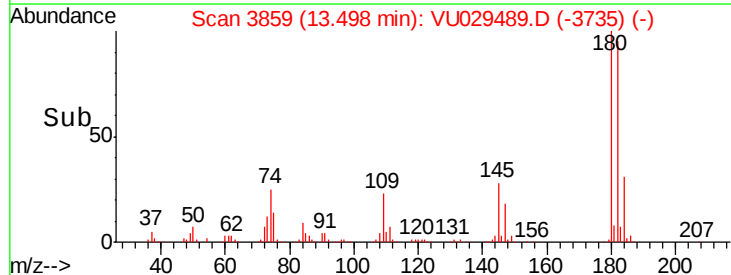
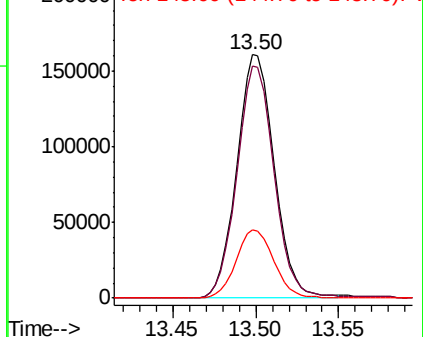


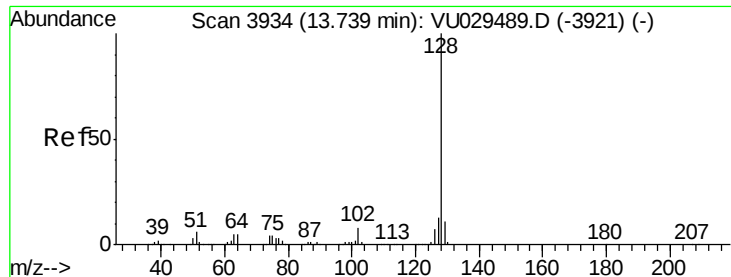
#68
 1,2,4-trichlorobenzene
 Concen: 53.500 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU029489.D
 Acq: 15 Feb 2019 11:09

Tgt Ion:	180	Resp:	252430
Ion Ratio	Lower	Upper	
180	100		
182	95.2	76.2	114.2
145	28.4	22.7	34.1



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





#69

Naphthalene

Concen: 50.003 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

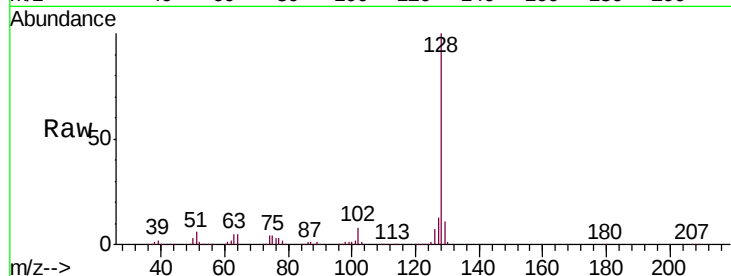
Tgt Ion:128 Resp: 804039

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

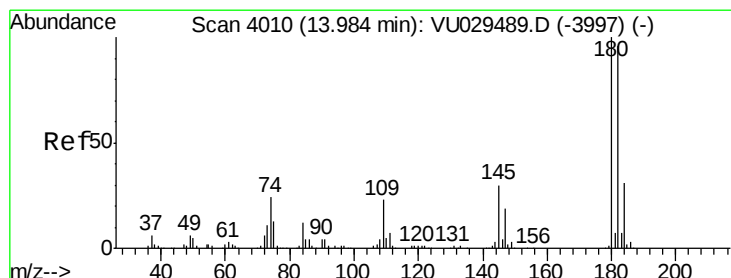
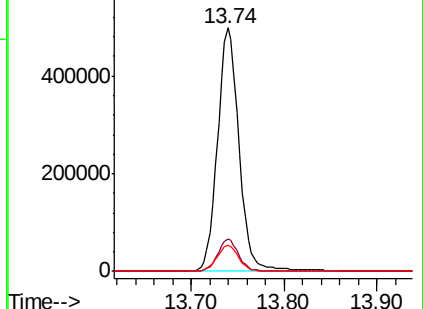
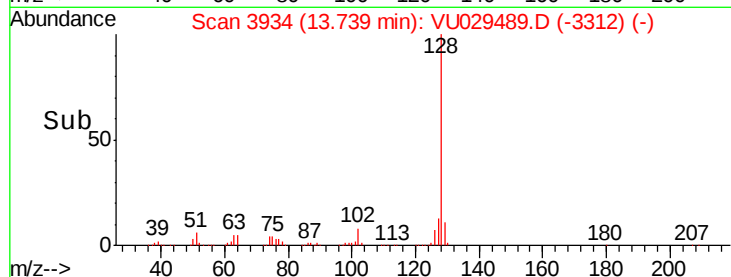
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.711 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029489.D

Acq: 15 Feb 2019 11:09

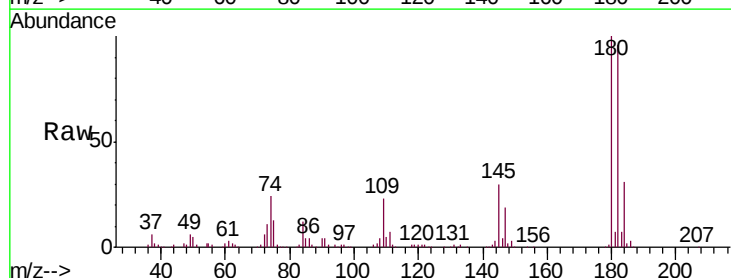
Tgt Ion:180 Resp: 261337

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 30.5 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

