

Data File : VU029497.D
Acq On : 15 Feb 2019 15:13
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Quant Time: Feb 15 23:37:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 15 23:28:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	422773	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	431006	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	243626	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	151198	48.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.62%
7) Chloroethane-d5	1.68	69	133024	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.27	63	291589	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
21) 2-Butanone-d5	4.17	46	204831	108.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.65%
24) Chloroform-d	4.65	84	258813	51.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.02%
26) 1,2-Dichloroethane-d4	5.31	65	160388	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
32) Benzene-d6	5.34	84	539618	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
36) 1,2-Dichloropropane-d6	6.33	67	161790	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.16%
41) Toluene-d8	7.56	98	551241	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%
43) trans-1,3-Dichloropropene-	7.85	79	87075	50.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.62%
47) 2-Hexanone-d5	8.31	63	188801	103.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.91%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	275453	49.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	263379	50.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	148092	51.087 ug/L	98
3) Chloromethane	1.33	50	125135	49.207 ug/L	98
5) Vinyl chloride	1.40	62	170727	49.434 ug/L	99
6) Bromomethane	1.62	94	83319	52.861 ug/L	99
8) Chloroethane	1.69	64	113476	49.399 ug/L	98
9) Trichlorofluoromethane	1.88	101	276103	50.151 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	142962	48.546 ug/L	98
12) 1,1-Dichloroethene	2.28	96	131751	47.059 ug/L	98
13) Acetone	2.32	43	174748	86.744 ug/L	98
14) Carbon disulfide	2.48	76	366372	49.967 ug/L	100
15) Methyl Acetate	2.61	43	135412	51.787 ug/L	100
16) Methylene chloride	2.70	84	135237	49.920 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	132298	51.198 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	402566	50.320 ug/L	99
19) 1,1-Dichloroethane	3.44	63	221486	49.569 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	154241	51.370 ug/L	100
22) 2-Butanone	4.26	43	230739	100.362 ug/L	99

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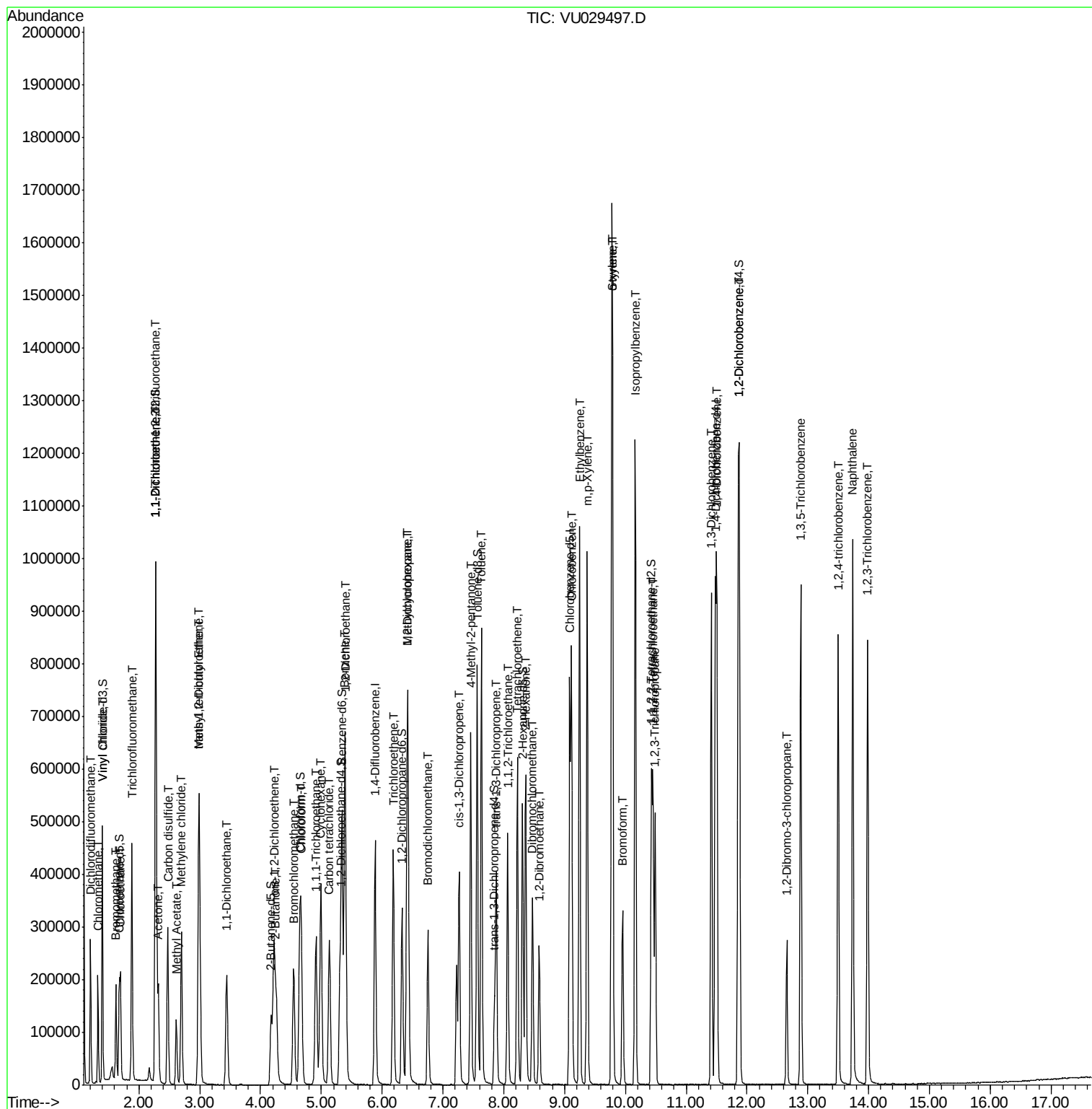
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	84915	51.589	ug/L	97
25) Chloroform	4.67	83	253092	50.768	ug/L	100
27) 1,2-Dichloroethane	5.40	62	192773	50.294	ug/L	100
29) Cyclohexane	4.99	56	210761	49.413	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	224527	49.131	ug/L	99
31) Carbon tetrachloride	5.13	117	206528	49.931	ug/L	98
33) Benzene	5.39	78	543813	49.212	ug/L	100
34) Trichloroethene	6.18	95	152676	51.288	ug/L	99
35) Methylcyclohexane	6.41	83	253654	51.309	ug/L	99
37) 1,2-Dichloropropane	6.43	63	144676	49.875	ug/L	100
38) Bromodichloromethane	6.75	83	195378	49.961	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	240455	51.378	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	416799	102.179	ug/L	99
42) Toluene	7.63	91	648496	49.625	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	224818	50.971	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	153838	49.756	ug/L	99
46) Tetrachloroethene	8.22	164	150516	51.659	ug/L	98
48) 2-Hexanone	8.36	43	352524	98.929	ug/L	99
49) Dibromochloromethane	8.47	129	186324	49.709	ug/L	100
50) 1,2-Dibromoethane	8.58	107	174137	50.835	ug/L	99
51) Chlorobenzene	9.12	112	452370	50.435	ug/L	99
52) Ethylbenzene	9.25	91	749513	50.500	ug/L	100
53) m,p-Xylene	9.37	106	304000	51.026	ug/L	99
54) o-xylene	9.78	106	300718	50.250	ug/L	99
55) Styrene	9.79	104	512504	50.731	ug/L	96
56) Isopropylbenzene	10.16	105	796911	50.889	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	270344	49.447	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	207513	50.173	ug/L	99
61) Bromoform	9.95	173	157547	48.020	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	394418	50.776	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	395644	50.613	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	396745	48.930	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	64910	51.443	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	314618	53.077	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	281309	54.870	ug/L	100
69) Naphthalene	13.74	128	869207	55.158	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	290109	53.286	ug/L	98

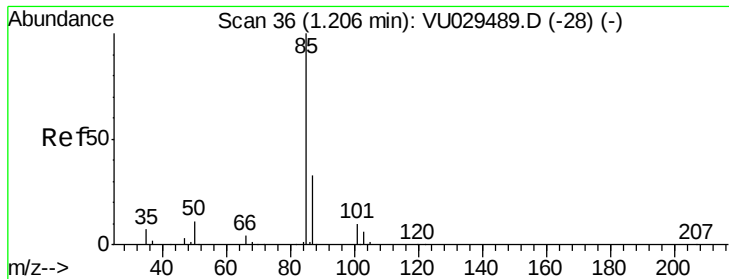
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.087 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

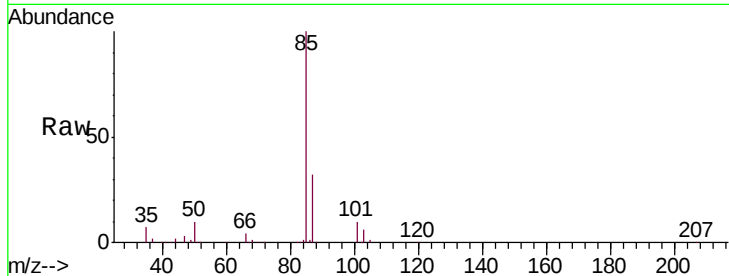
VSTD05047

Tgt Ion: 85 Resp: 148092

Ion Ratio Lower Upper

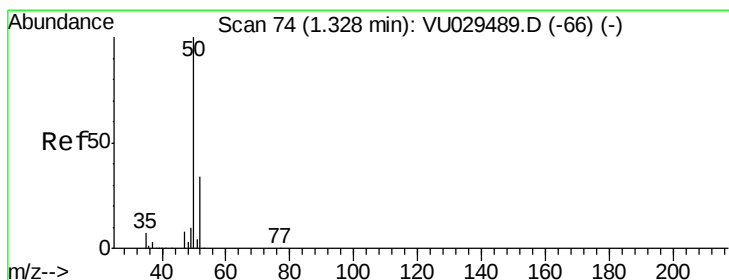
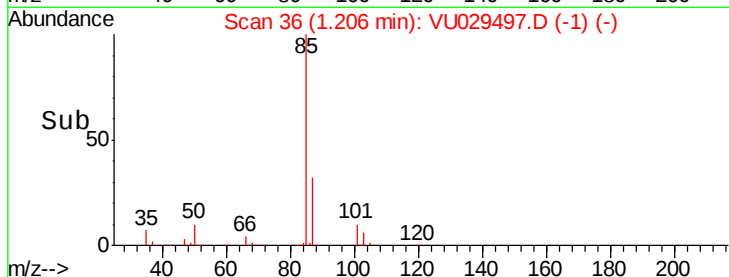
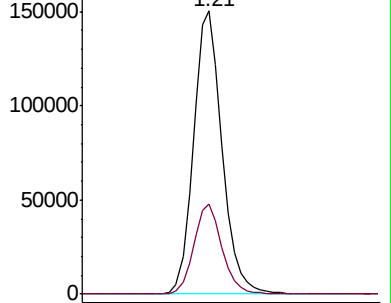
85 100

87 31.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU029489.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU029489.D (-28) (-)



#3

Chloromethane

Concen: 49.207 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029497.D

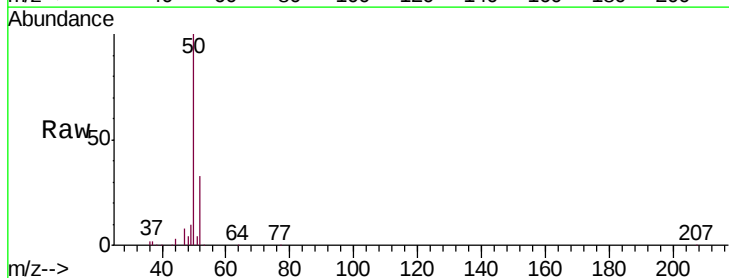
Acq: 15 Feb 2019 15:13

Tgt Ion: 50 Resp: 125135

Ion Ratio Lower Upper

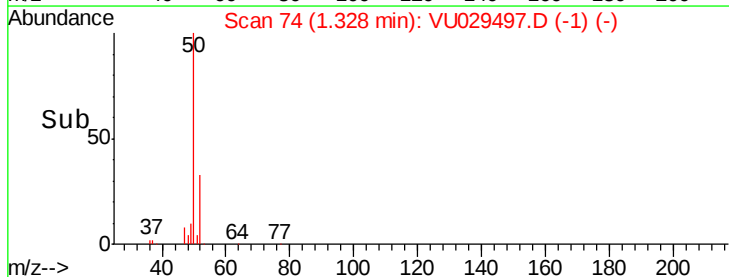
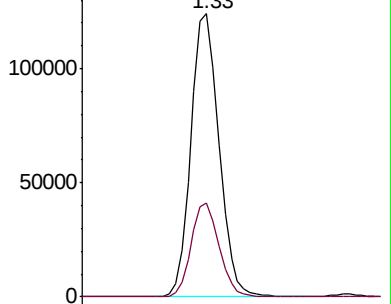
50 100

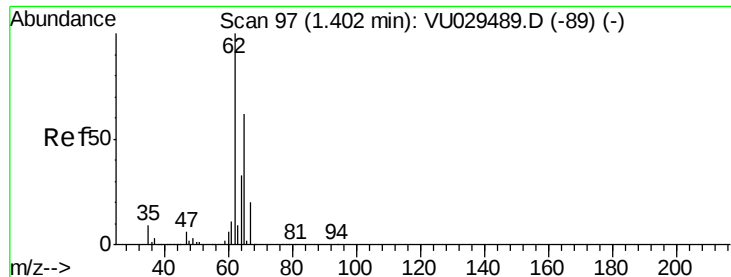
52 33.1 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU029489.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU029489.D (-66) (-)





#5

Vinyl chloride

Concen: 49.434 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

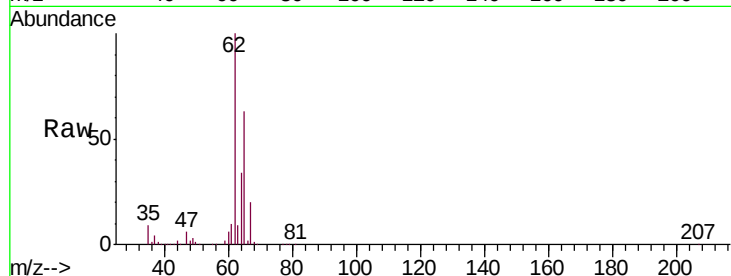
VSTD05047

Tgt Ion: 62 Resp: 170727

Ion Ratio Lower Upper

62 100

64 34.1 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

200000

150000

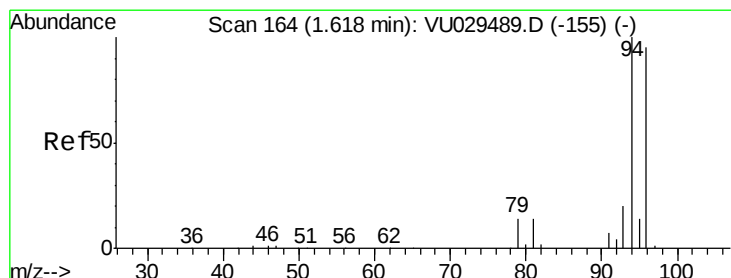
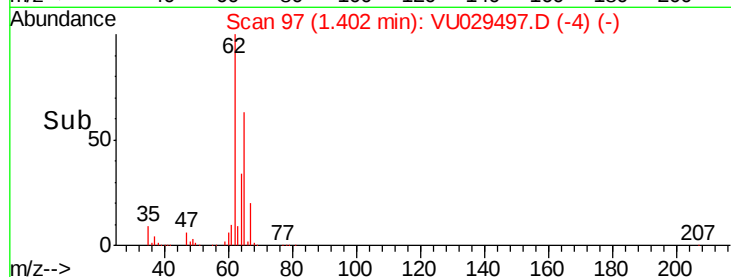
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 52.861 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU029497.D

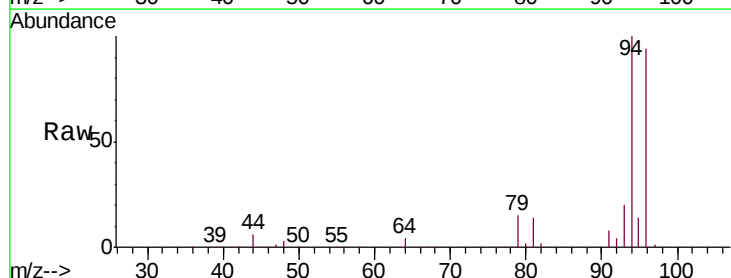
Acq: 15 Feb 2019 15:13

Tgt Ion: 94 Resp: 83319

Ion Ratio Lower Upper

94 100

96 94.0 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

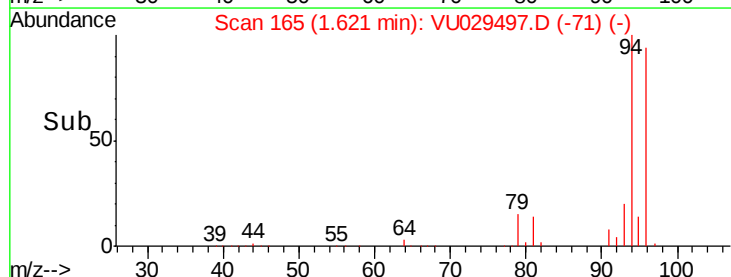
40000

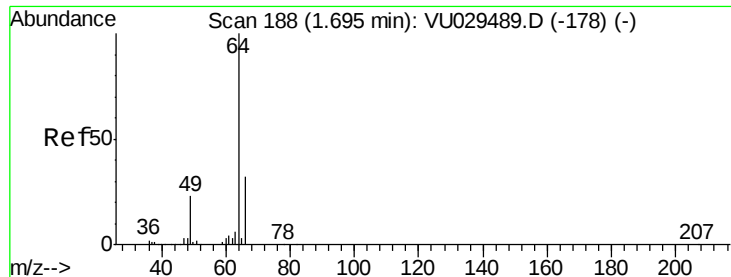
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 49.399 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

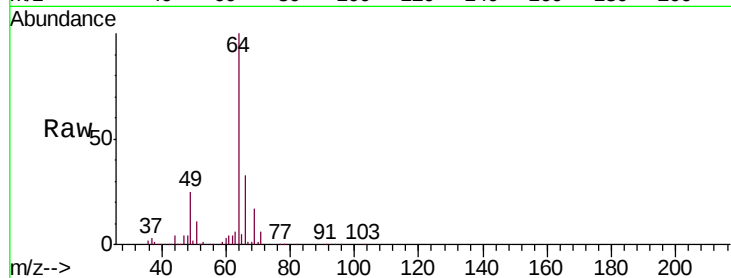
VSTD05047

Tgt Ion: 64 Resp: 113476

Ion Ratio Lower Upper

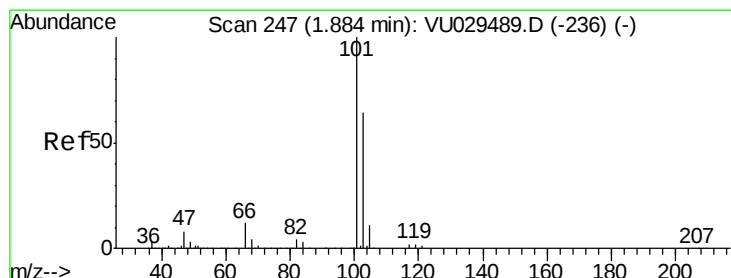
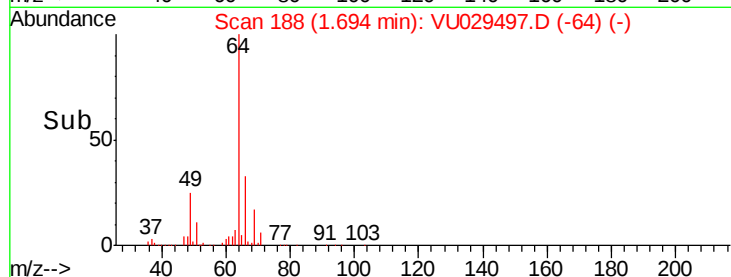
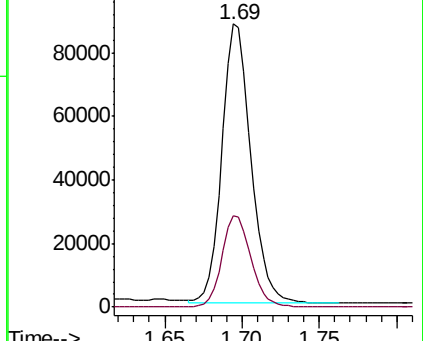
64 100

66 32.5 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU029489.D

Ion 66.00 (65.70 to 66.70): VU029489.D



#9

Trichlorofluoromethane

Concen: 50.151 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029497.D

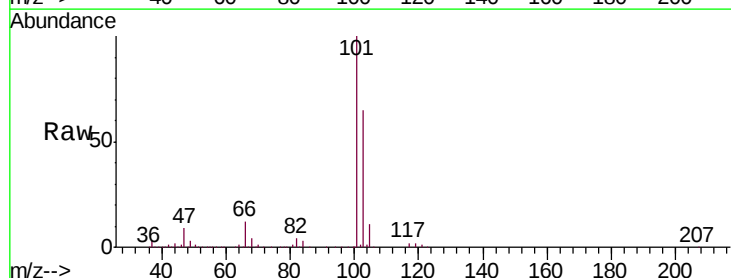
Acq: 15 Feb 2019 15:13

Tgt Ion: 101 Resp: 276103

Ion Ratio Lower Upper

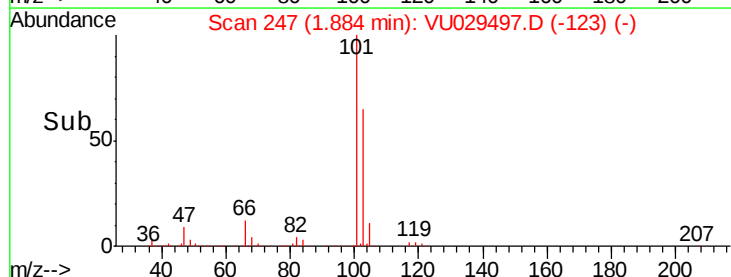
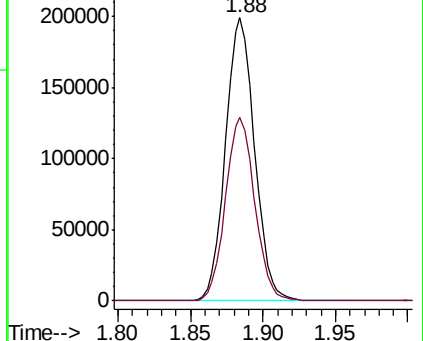
101 100

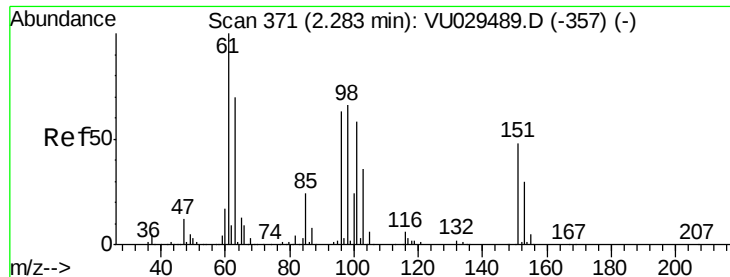
103 65.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU029489.D

Ion 103.00 (102.70 to 103.70): VU029489.D





#10

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

Concen: 48.546 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029497.D

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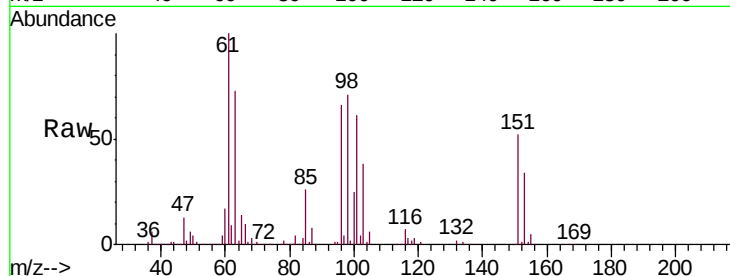
Tgt Ion:101 Resp: 142962

Ion Ratio Lower Upper

101 100

85 42.1 33.0 49.6

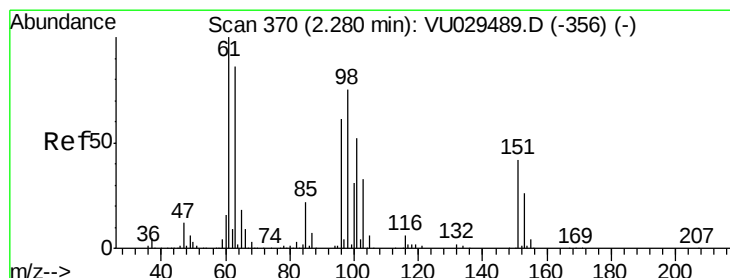
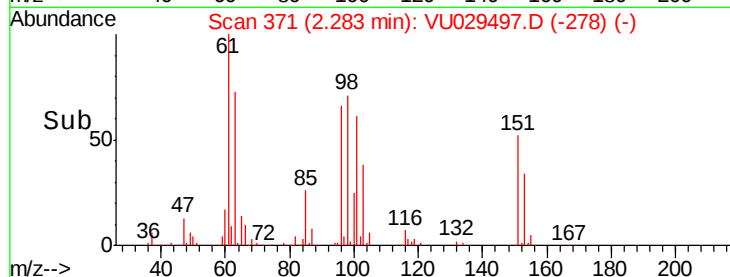
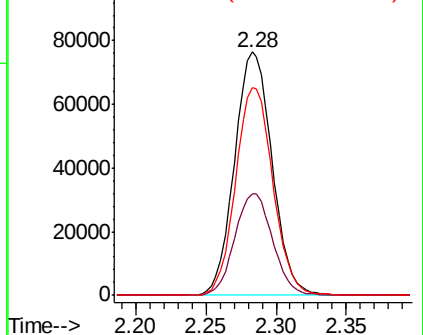
151 84.7 65.7 98.5



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: 47.059 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

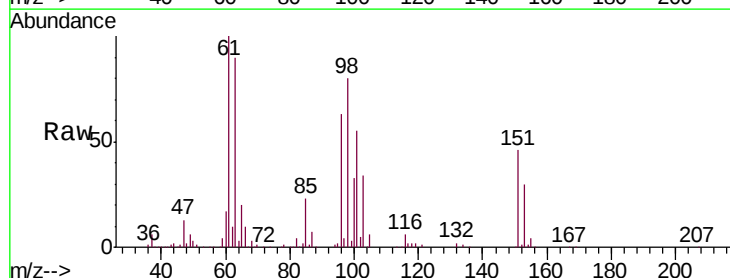
Tgt Ion: 96 Resp: 131751

Ion Ratio Lower Upper

96 100

61 158.0 114.0 211.8

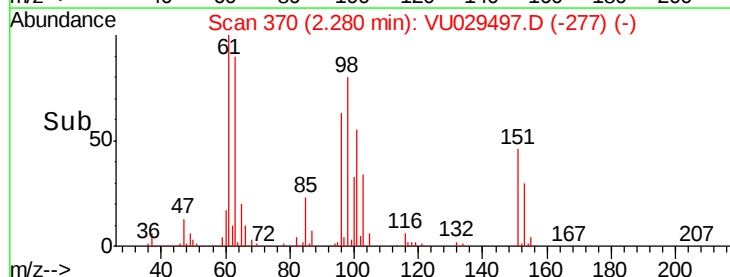
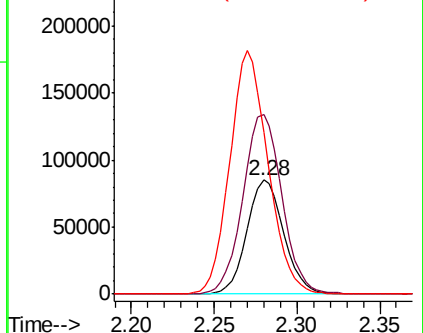
63 142.1 98.7 183.3

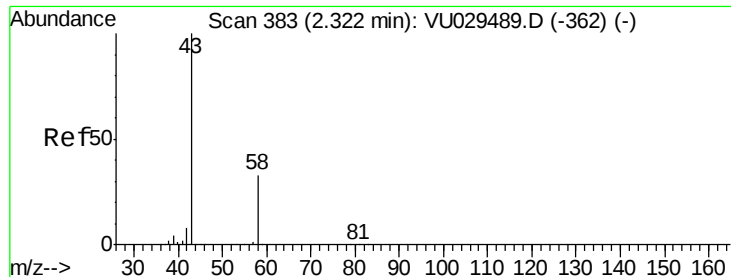


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 86.744 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029497.D

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ClientSampleId :

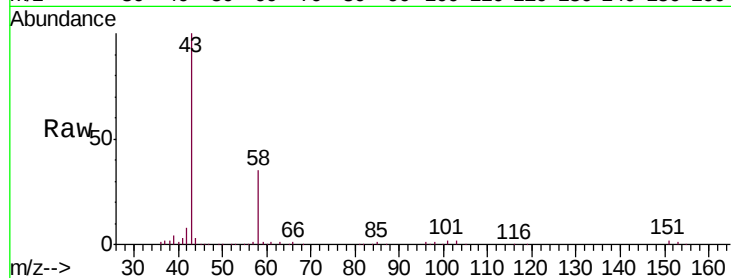
VSTD05047

Tgt Ion: 43 Resp: 174748

Ion Ratio Lower Upper

43 100

58 34.8 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029489.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU029489.D (-362) (-)

2.32

120000

100000

80000

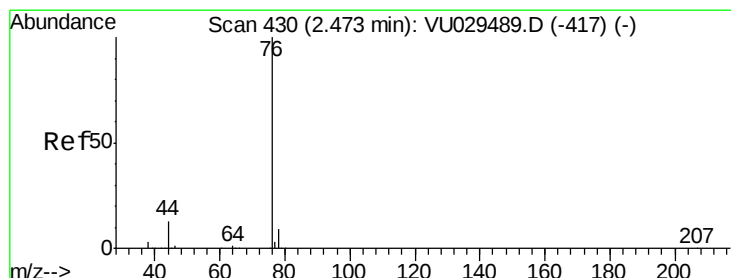
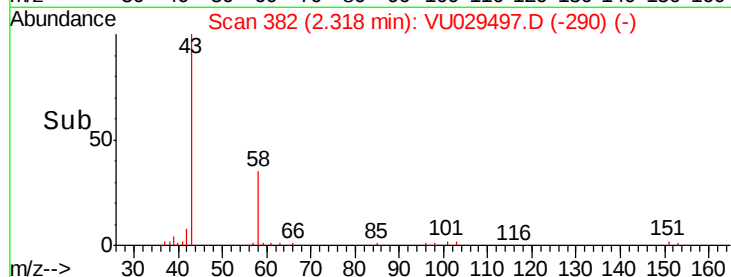
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 49.967 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029497.D

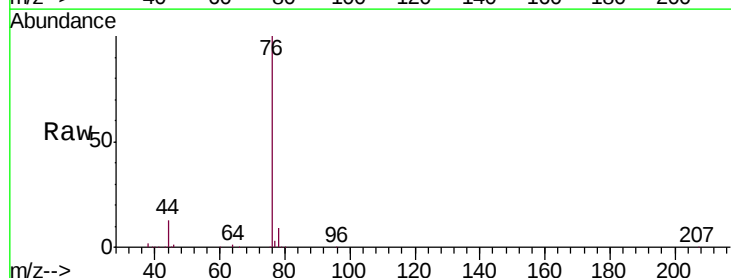
Acq: 15 Feb 2019 15:13

Tgt Ion: 76 Resp: 366372

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU029489.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029489.D (-417) (-)

2.48

250000

200000

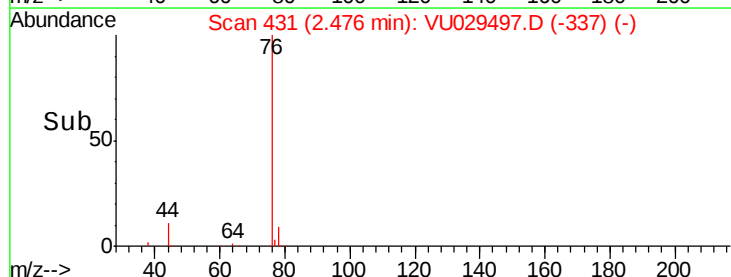
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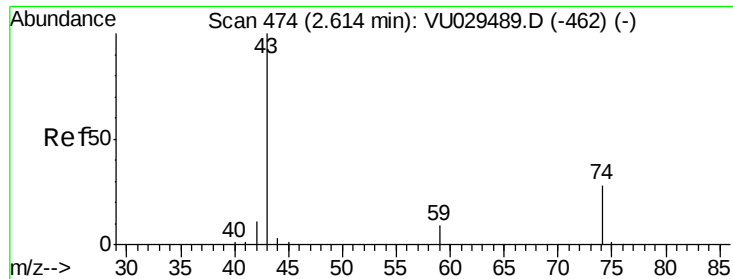
100000

50000

0

Time-->

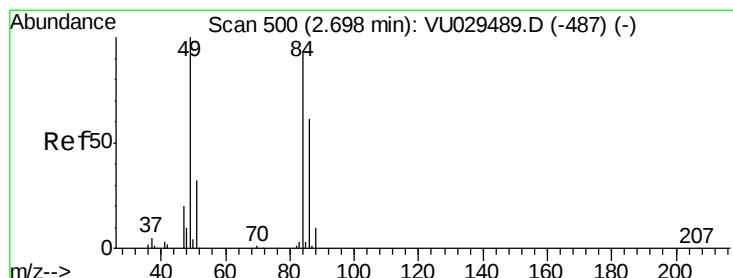
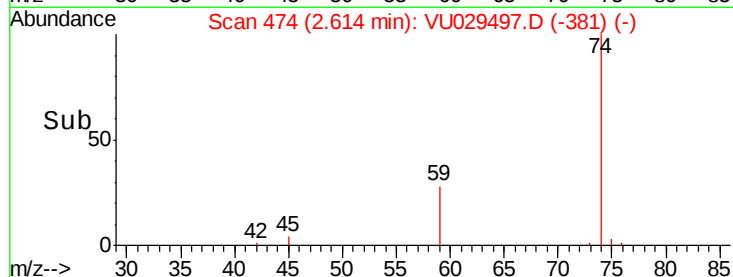
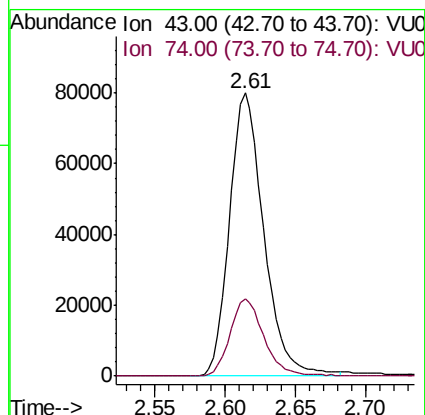
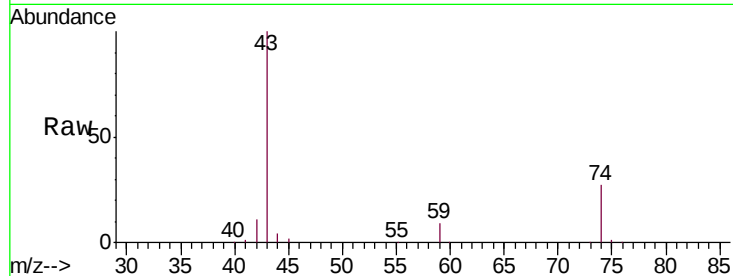




#15
Methyl Acetate
Concen: 51.787 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029497.D
Acq: 15 Feb 2019 15:13

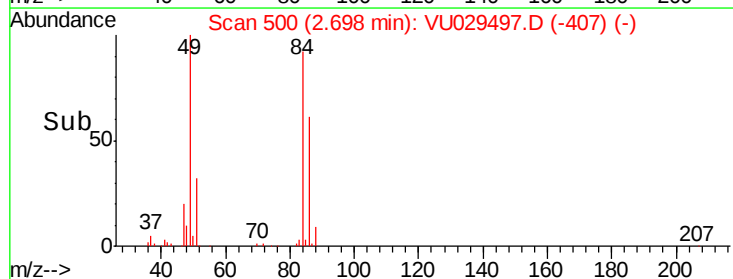
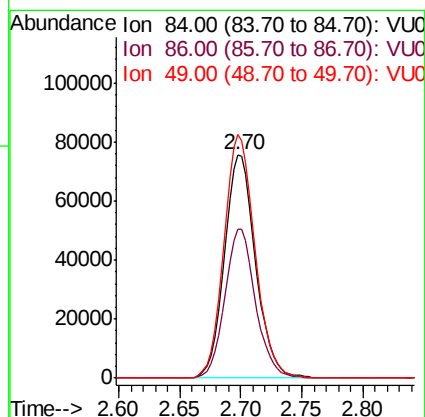
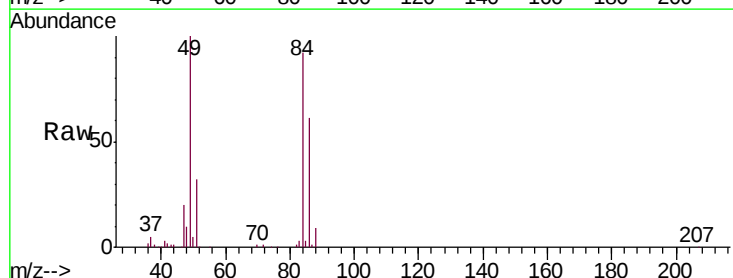
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

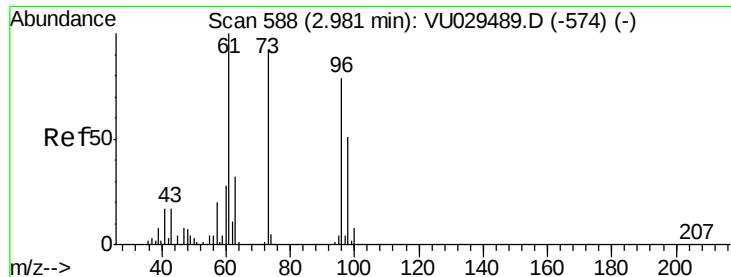
Tgt Ion: 43 Resp: 135412
Ion Ratio Lower Upper
43 100
74 27.0 21.5 32.3



#16
Methylene chloride
Concen: 49.920 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029497.D
Acq: 15 Feb 2019 15:13

Tgt Ion: 84 Resp: 135237
Ion Ratio Lower Upper
84 100
86 66.6 45.8 85.0
49 109.0 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 51.198 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

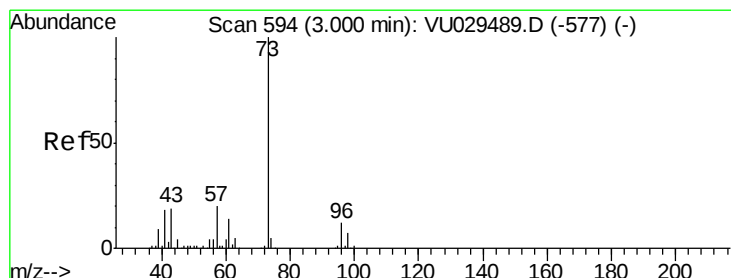
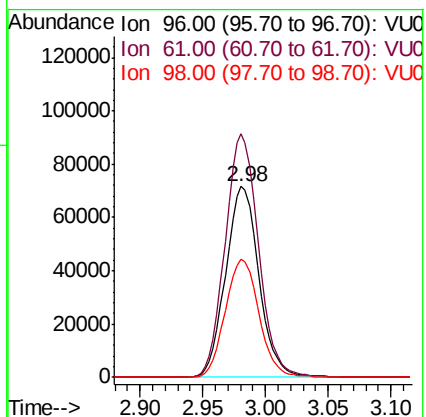
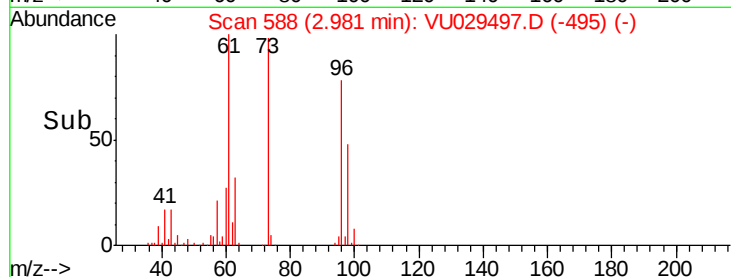
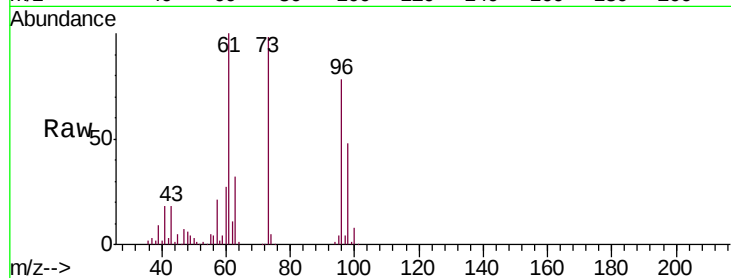
Tgt Ion: 96 Resp: 132298

Ion Ratio Lower Upper

96 100

61 127.5 88.3 163.9

98 61.5 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 50.320 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

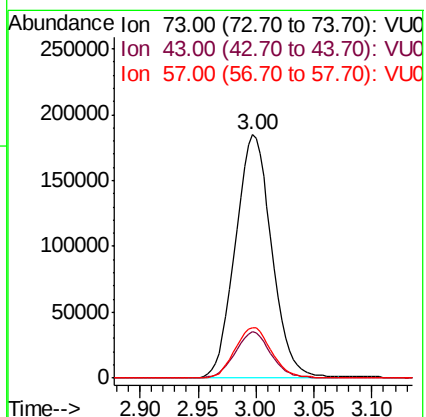
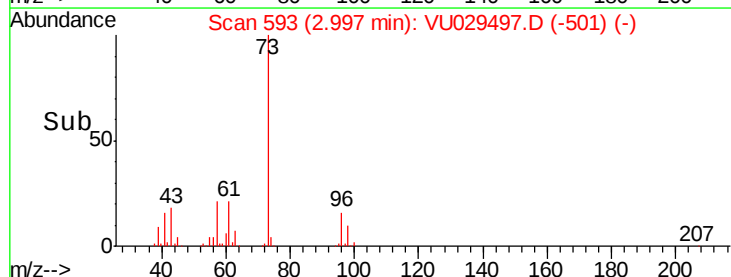
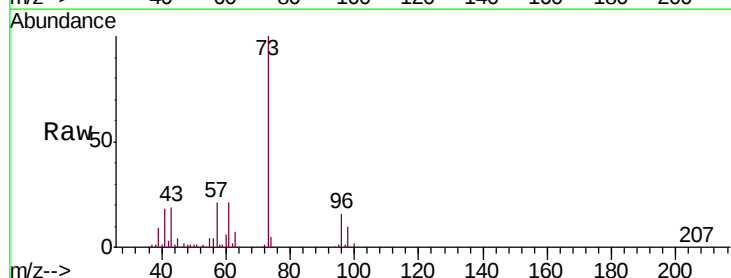
Tgt Ion: 73 Resp: 402566

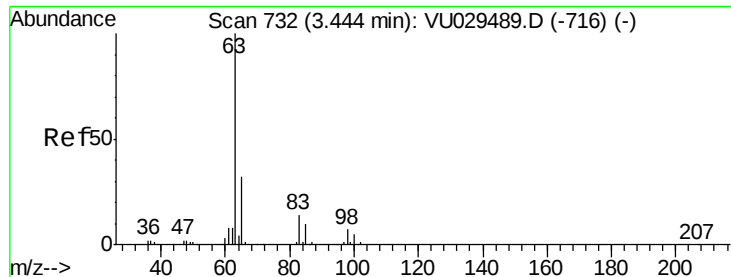
Ion Ratio Lower Upper

73 100

43 18.9 14.8 22.2

57 20.8 16.5 24.7

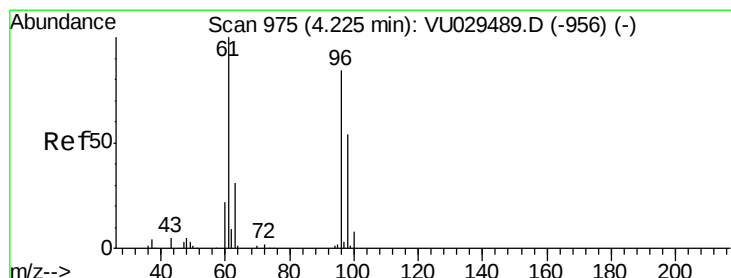
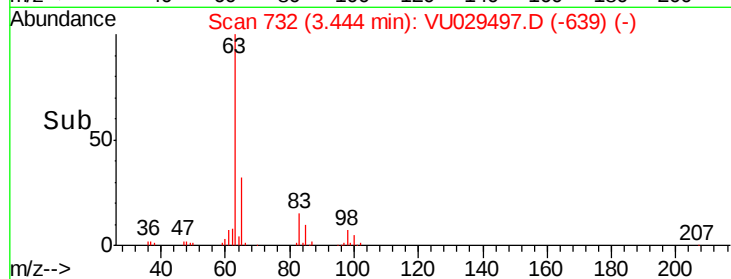
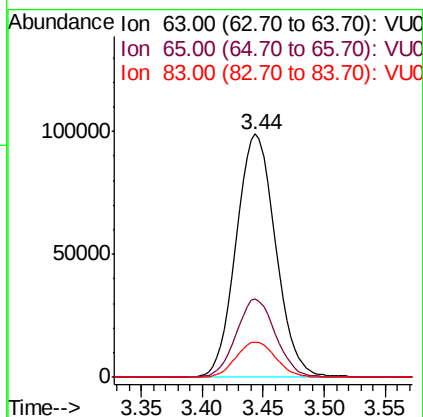
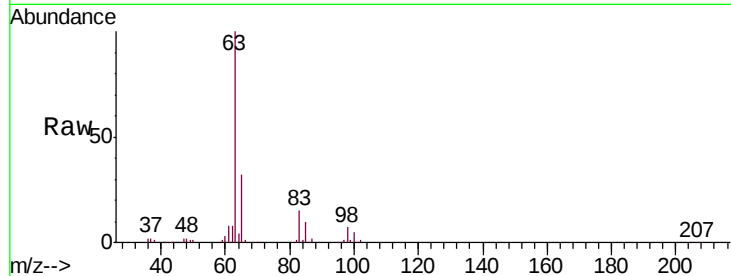




#19
 1,1-Dichloroethane
 Concen: 49.569 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

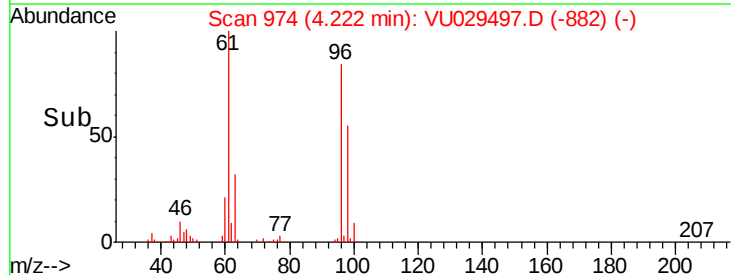
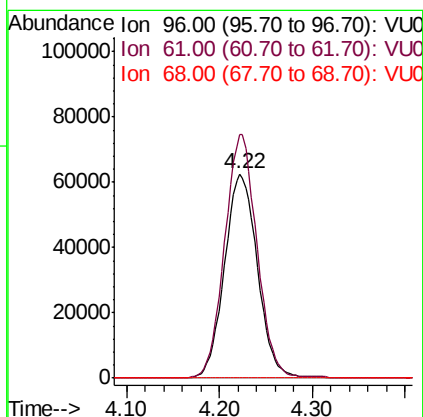
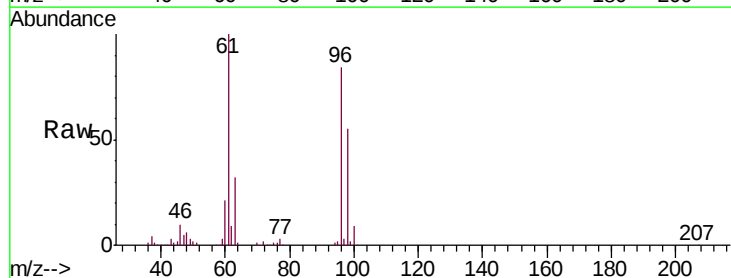
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

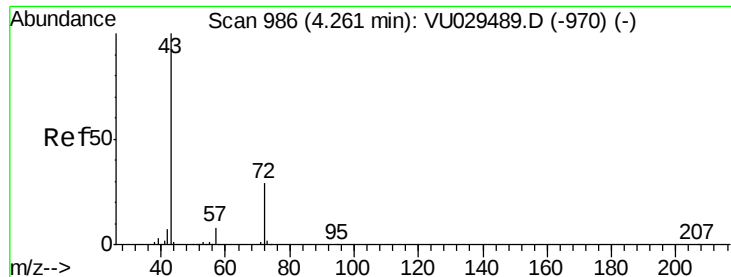
Tgt Ion:	63	Resp:	221486
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.3	41.3
83	14.5	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 51.370 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Tgt Ion:	96	Resp:	154241
Ion	Ratio	Lower	Upper
96	100		
61	119.3	83.9	155.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 100.362 ug/L

RT: 4.26 min Scan# 986

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

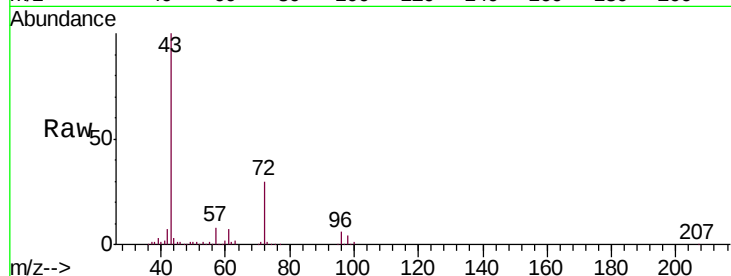
VSTD05047

Tgt Ion: 43 Resp: 230739

Ion Ratio Lower Upper

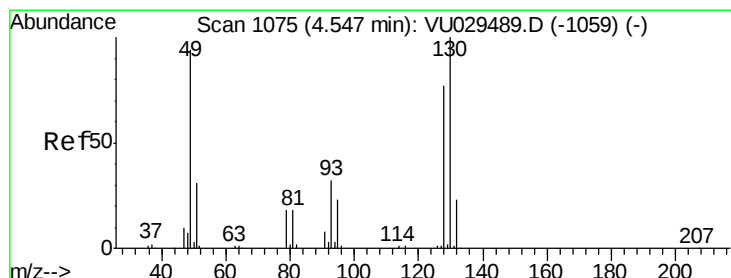
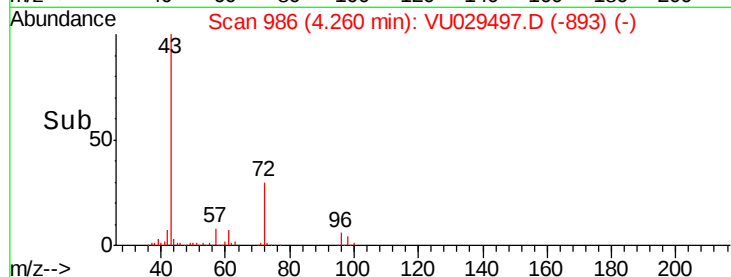
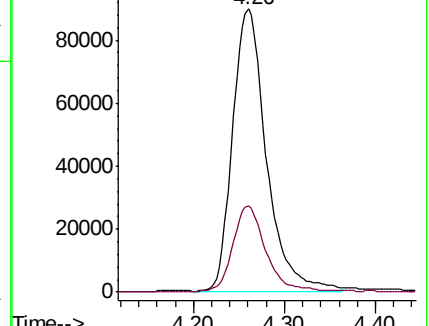
43 100

72 30.1 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) (-)



#23

Bromochloromethane

Concen: 51.589 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Tgt Ion: 128 Resp: 84915

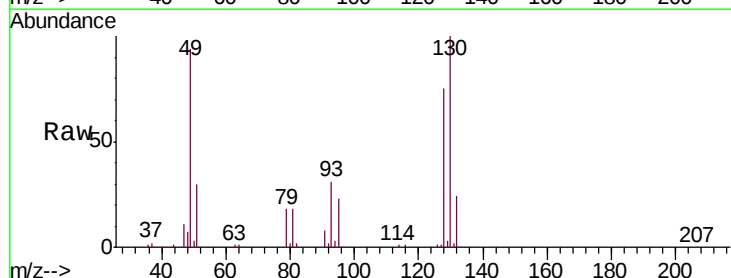
Ion Ratio Lower Upper

128 100

49 125.9 85.9 159.5

130 133.6 91.3 169.5

51 39.5 32.2 48.2

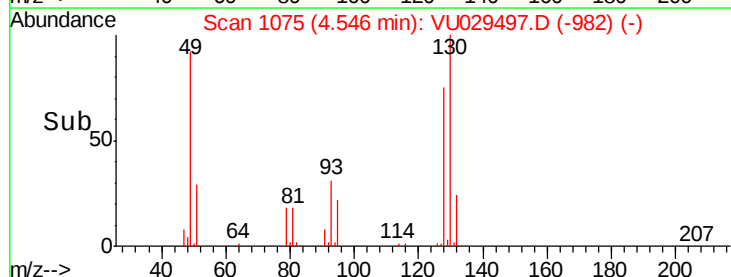
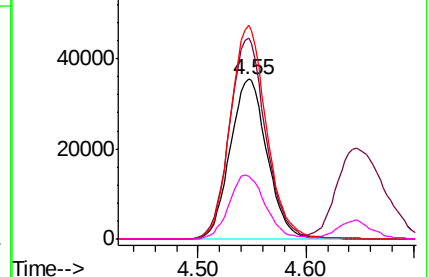


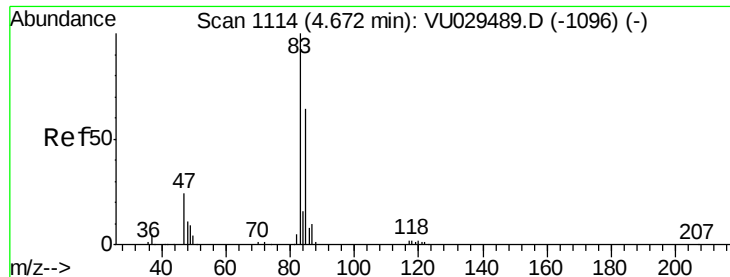
Abundance Ion 128.00 (127.70 to 128.70): VU029489.D (-1059) (-)

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: 50.768 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

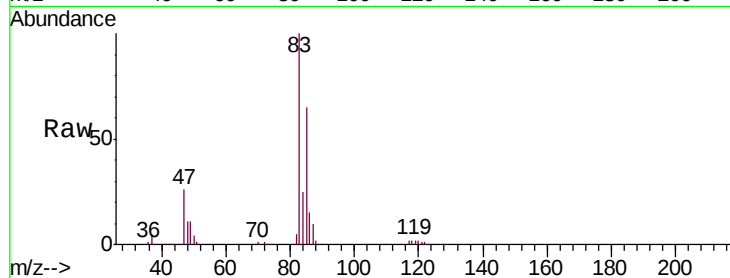
VSTD05047

Tgt Ion: 83 Resp: 253092

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

120000

100000

80000

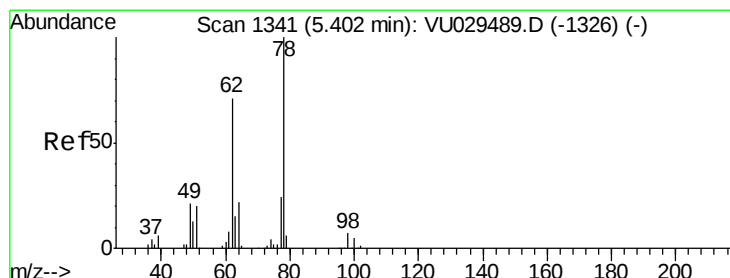
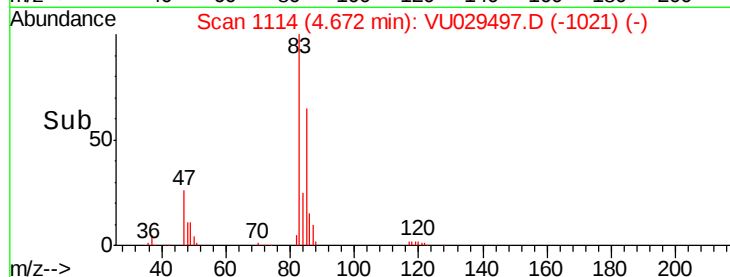
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 50.294 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029497.D

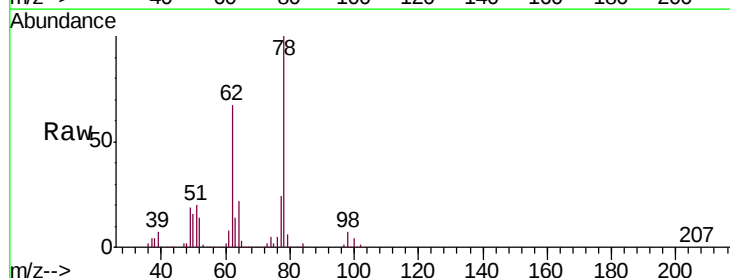
Acq: 15 Feb 2019 15:13

Tgt Ion: 62 Resp: 192773

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

100000

80000

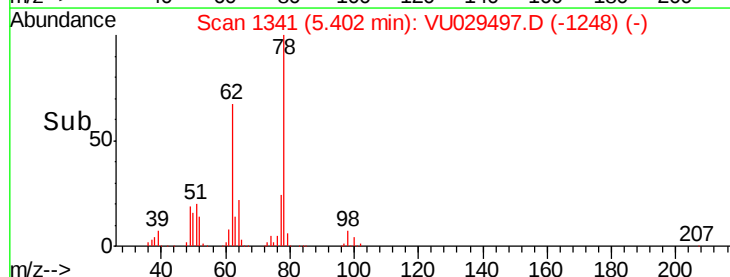
60000

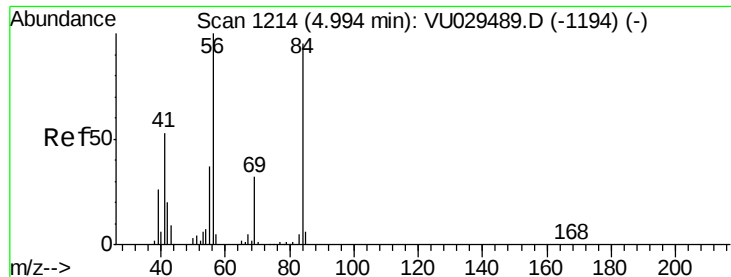
40000

20000

0

Time-->

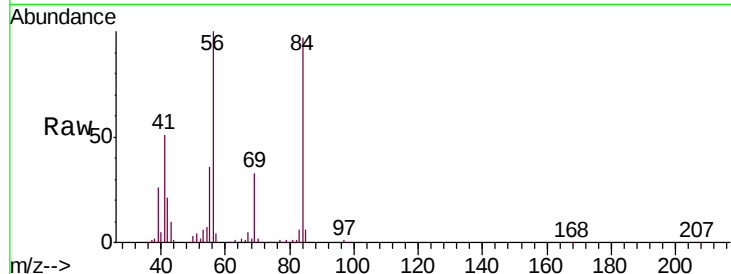




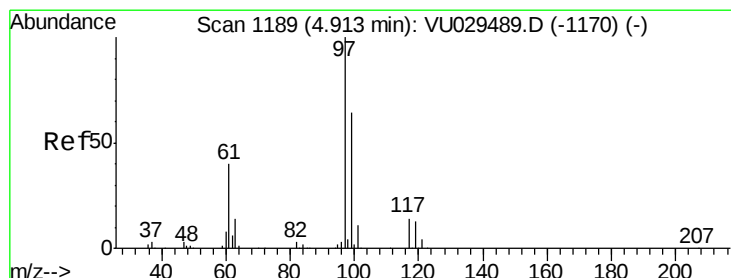
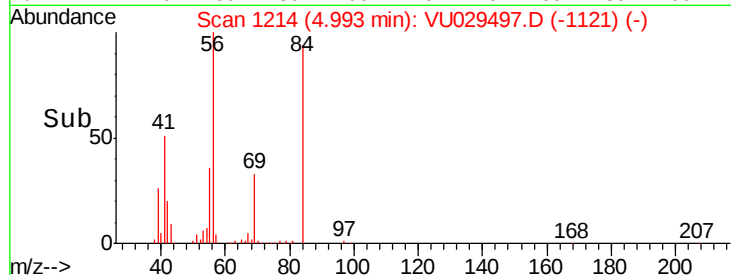
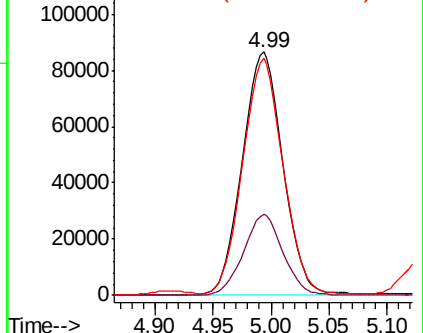
#29
Cyclohexane
Concen: 49.413 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU029497.D
Acq: 15 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion: 56 Resp: 210761
Ion Ratio Lower Upper
56 100
69 32.3 25.7 38.5
84 95.6 77.1 115.7

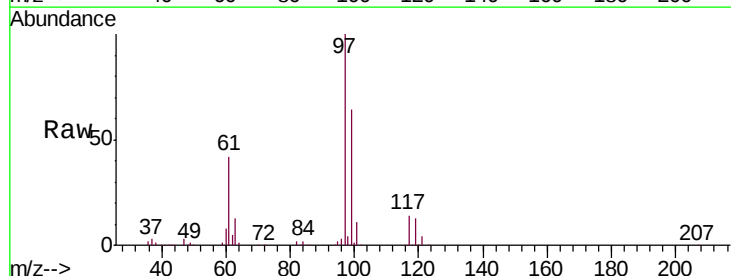


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

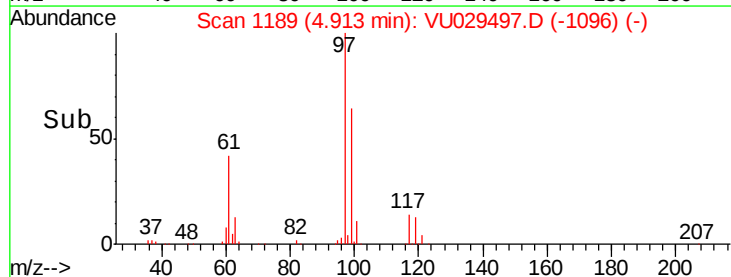
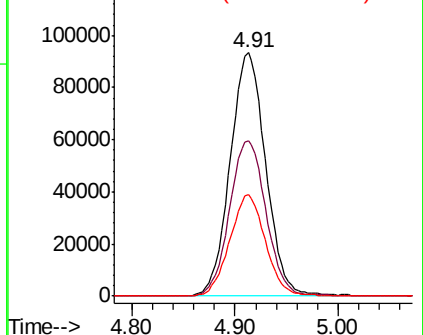


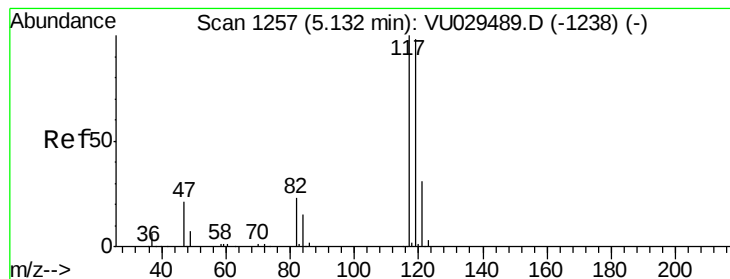
#30
1,1,1-Trichloroethane
Concen: 49.131 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU029497.D
Acq: 15 Feb 2019 15:13

Tgt Ion: 97 Resp: 224527
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.0
61 41.7 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: 49.931 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

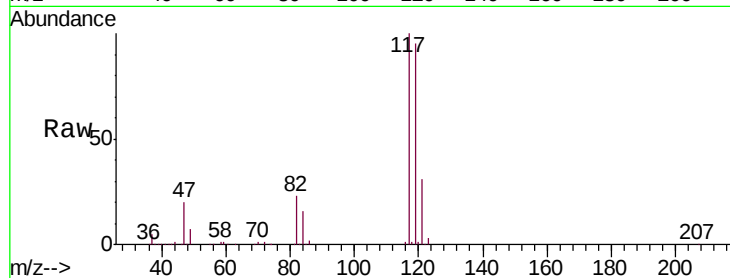
VSTD05047

Tgt Ion:117 Resp: 206528

Ion Ratio Lower Upper

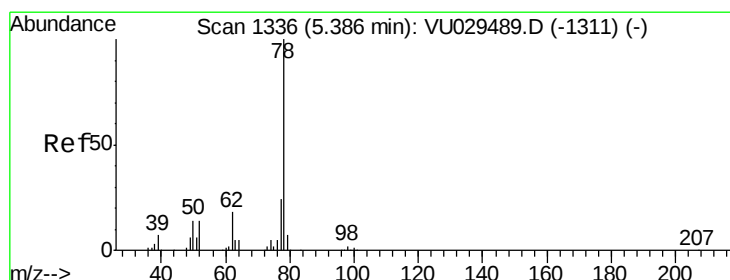
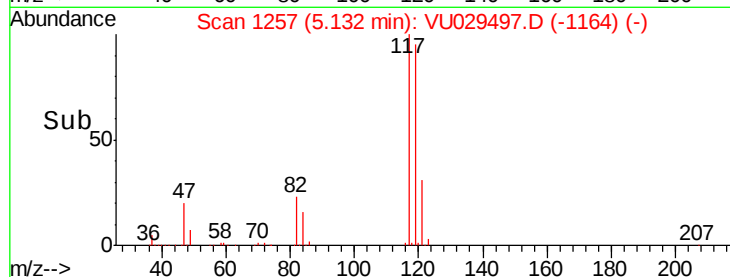
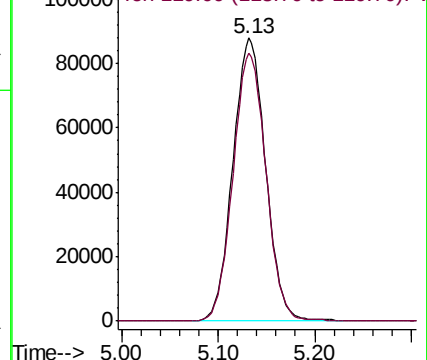
117 100

119 95.1 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: 49.212 ug/L

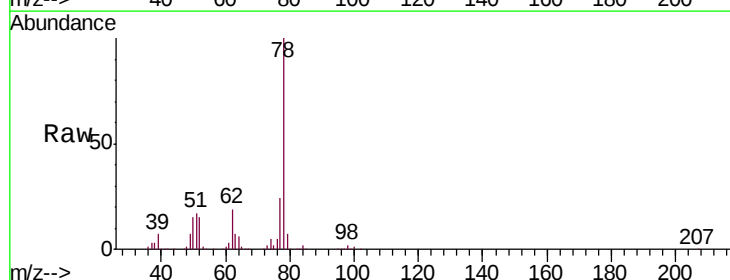
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

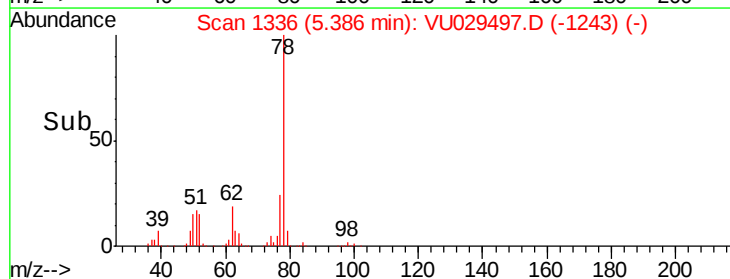
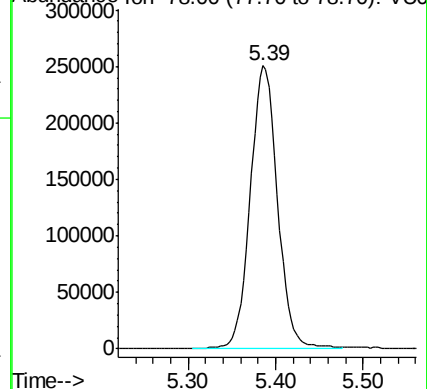
Lab File: VU029497.D

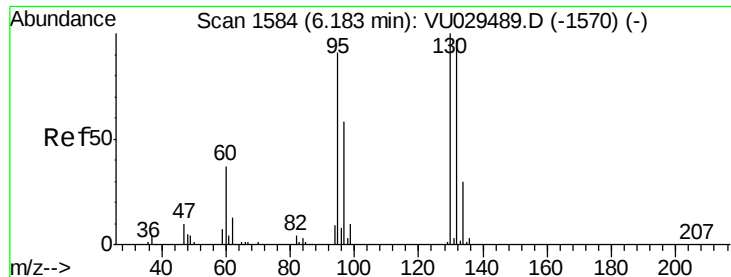
Acq: 15 Feb 2019 15:13

Tgt Ion: 78 Resp: 543813



Abundance Ion 78.00 (77.70 to 78.70): VU0

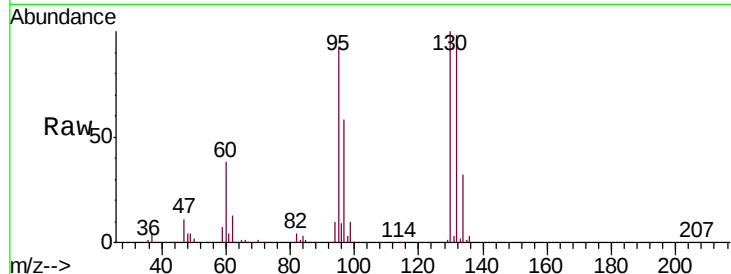




#34
 Trichloroethene
 Concen: 51.288 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.6	82.8
132	106.9	74.6	138.6
130	109.2	77.2	143.4



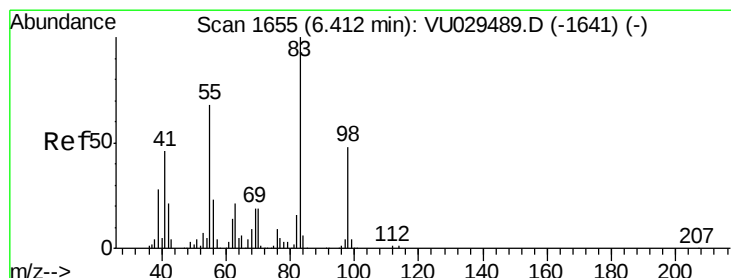
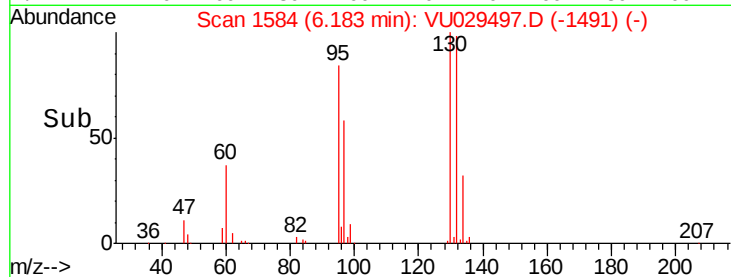
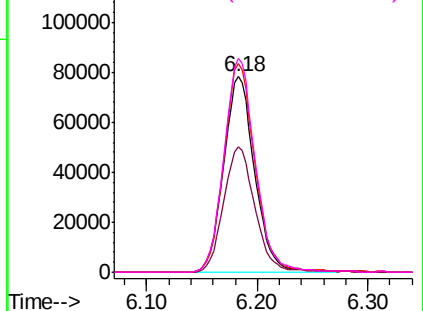
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

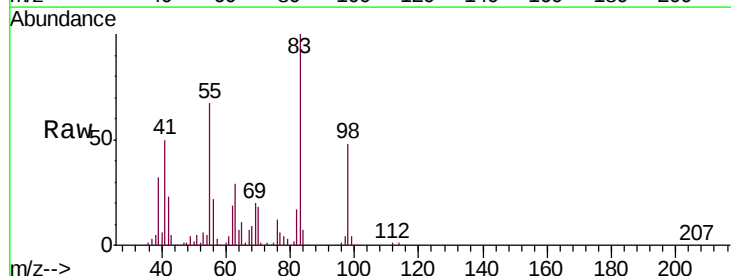
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
 Methylcyclohexane
 Concen: 51.309 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.2	55.2	82.8
98	48.4	39.4	59.2

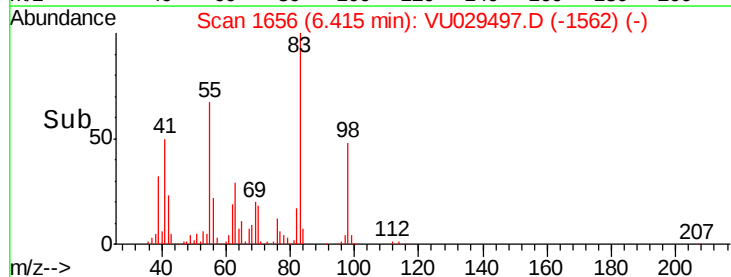
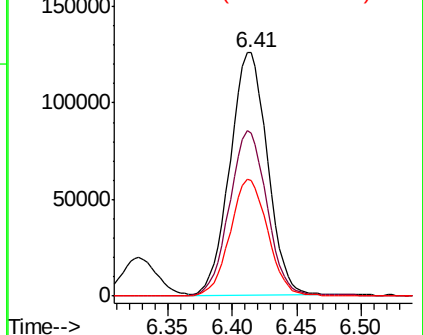


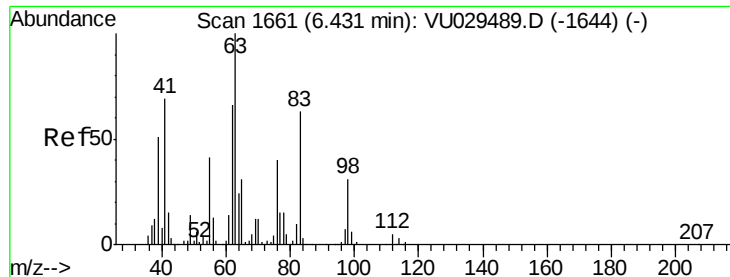
Abundance

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

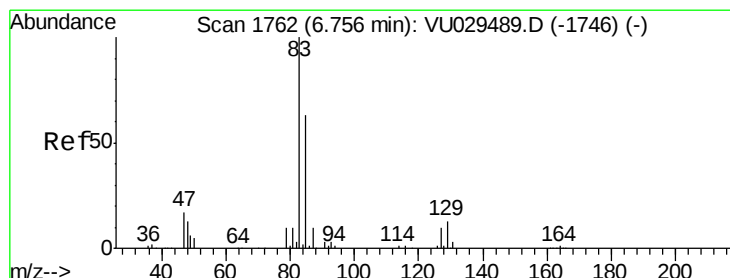
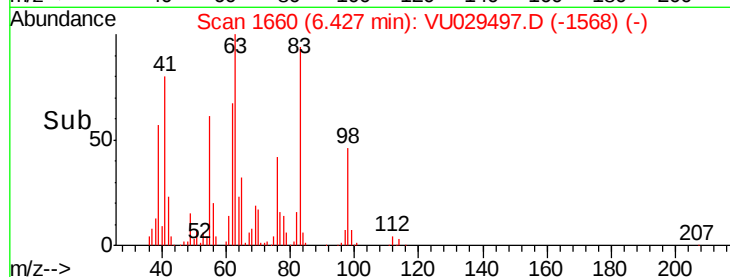
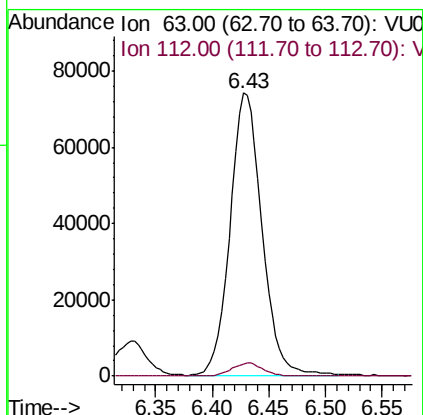
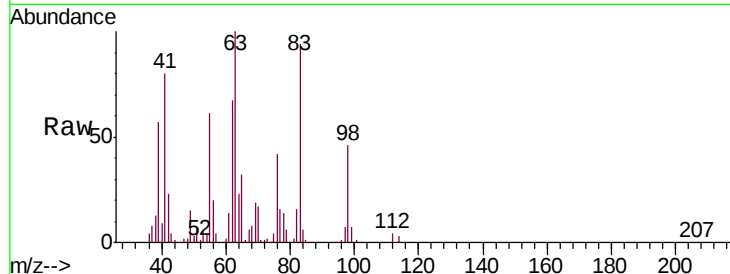




#37
 1,2-Dichloropropane
 Concen: 49.875 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

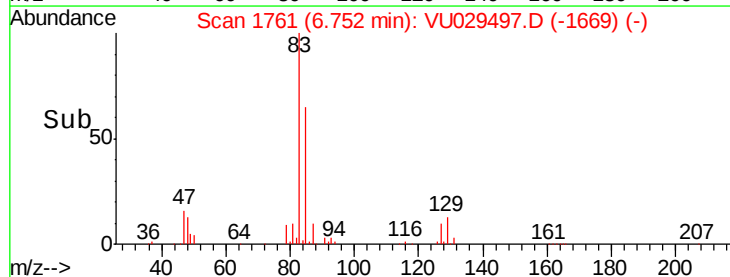
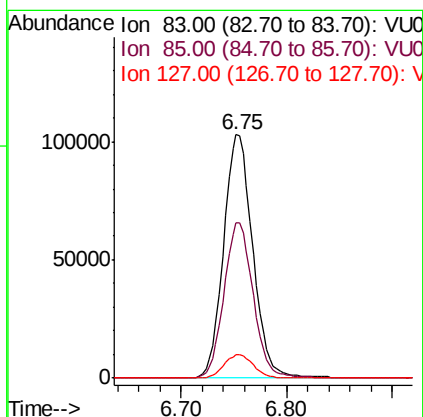
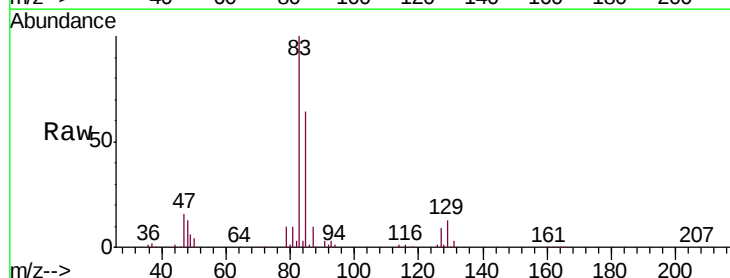
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

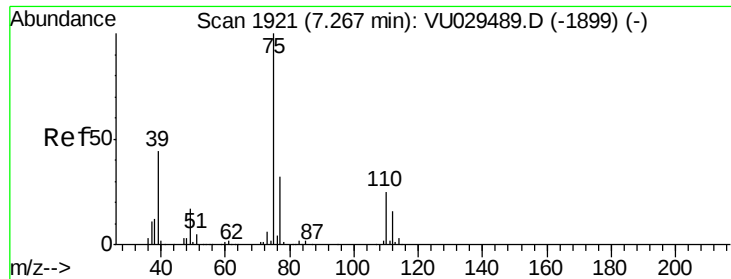
Tgt Ion: 63 Resp: 144676
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 49.961 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Tgt Ion: 83 Resp: 195378
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.2 82.0
 127 9.4 8.3 12.5



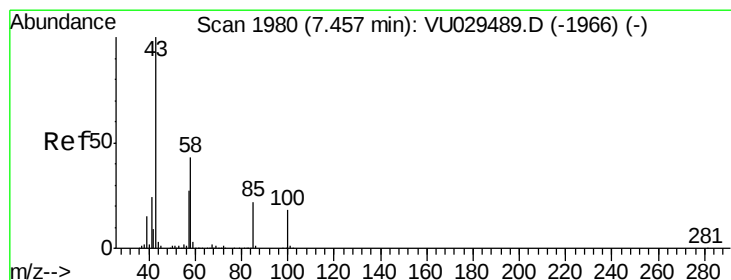
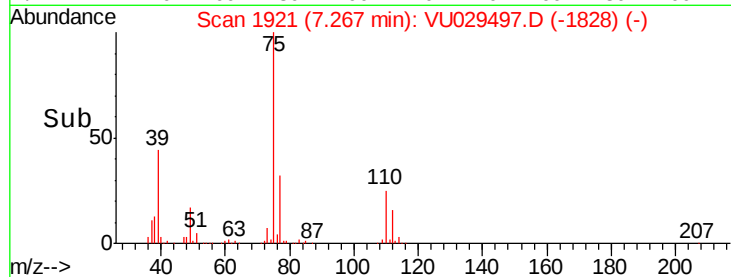
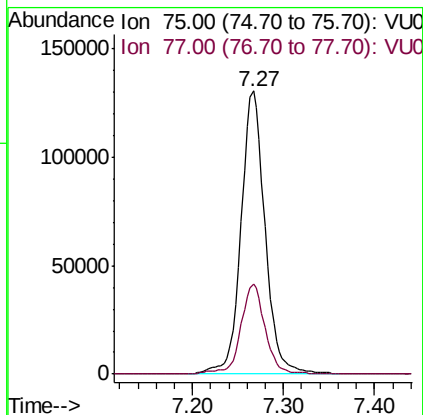
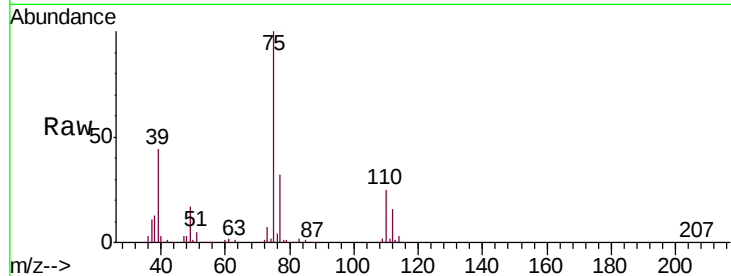


#39

cis-1,3-Dichloropropene
 Concen: 51.378 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

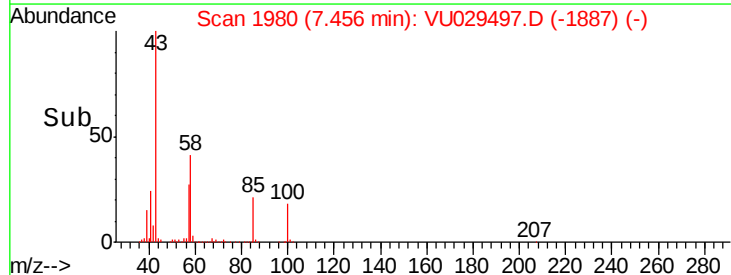
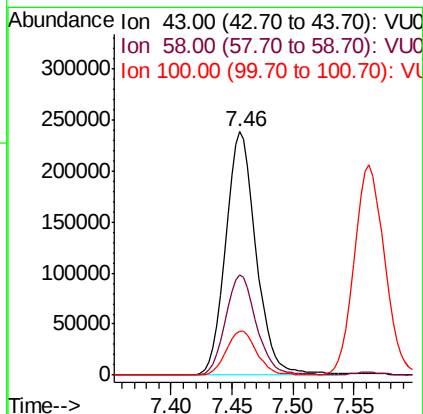
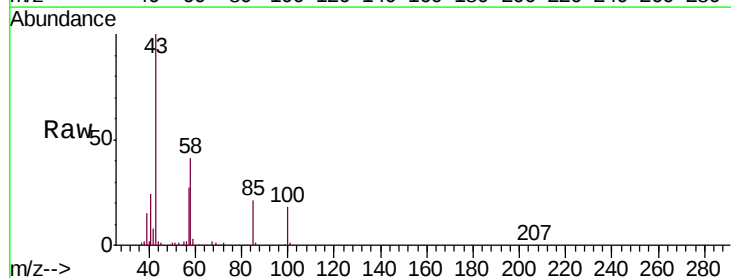
Tgt Ion: 75 Resp: 240455
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.5

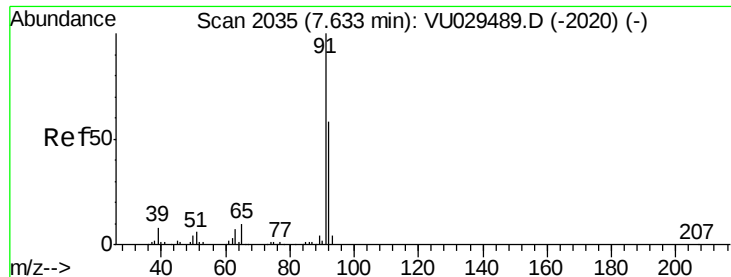


#40

4-Methyl-2-pentanone
 Concen: 102.179 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Tgt Ion: 43 Resp: 416799
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.0 49.4
 100 18.3 14.5 21.7





#42

Toluene

Concen: 49.625 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

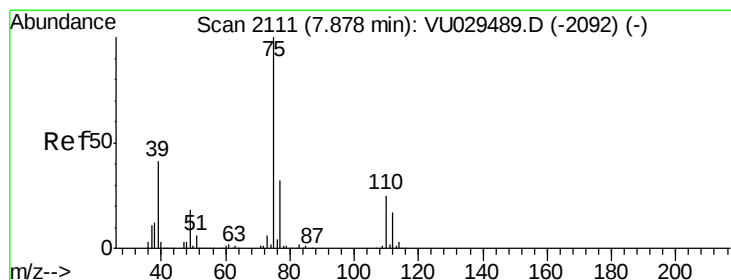
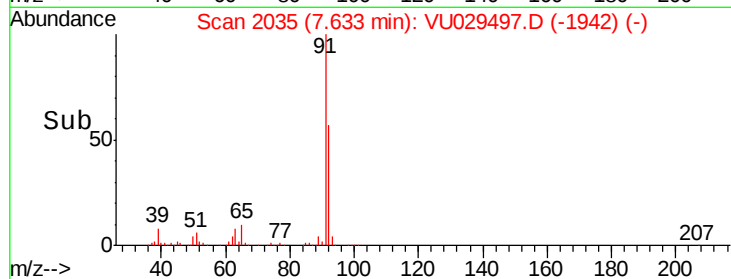
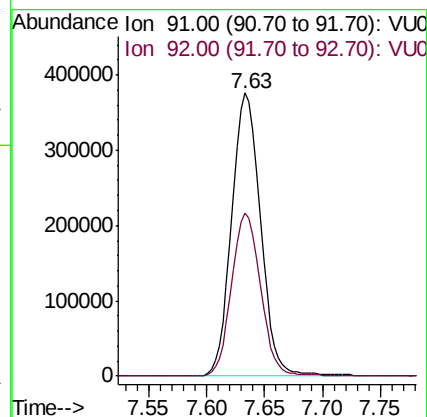
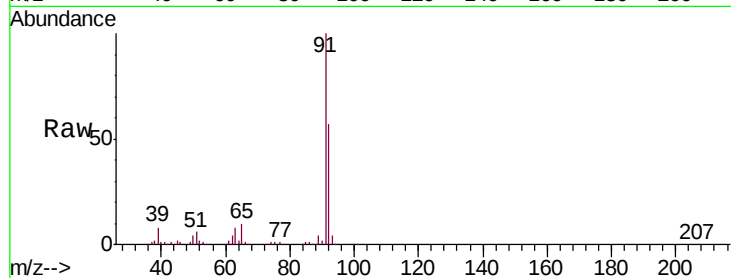
VSTD05047

Tgt Ion: 91 Resp: 648496

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 50.971 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029497.D

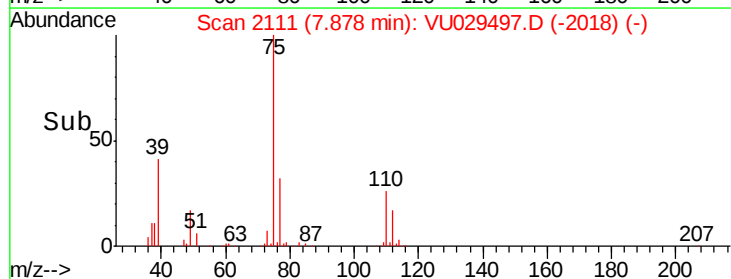
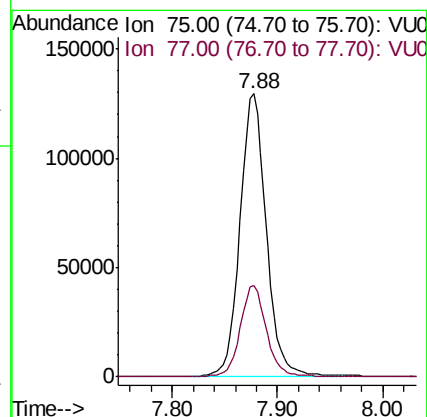
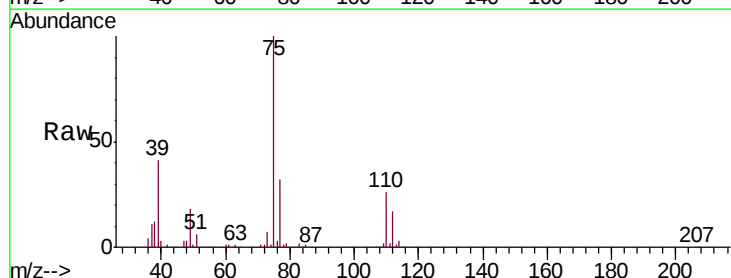
Acq: 15 Feb 2019 15:13

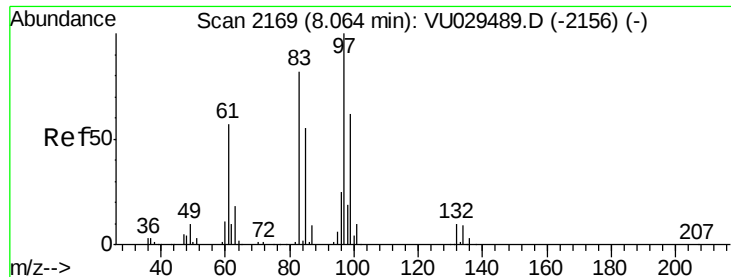
Tgt Ion: 75 Resp: 224818

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1

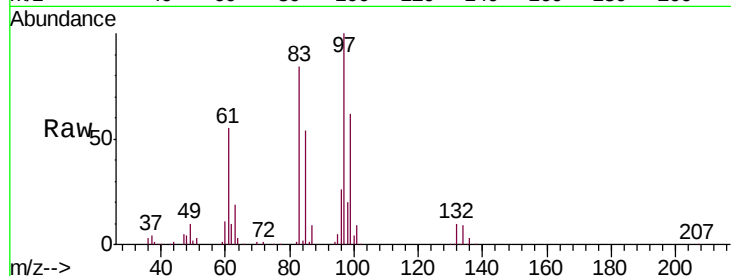




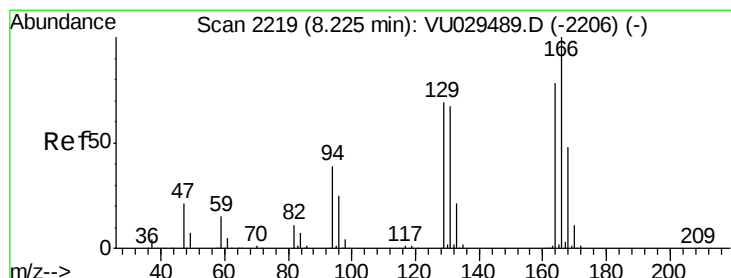
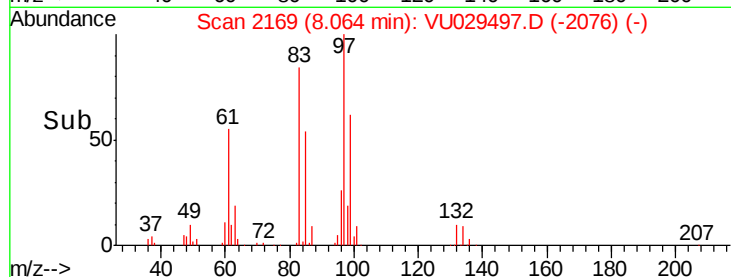
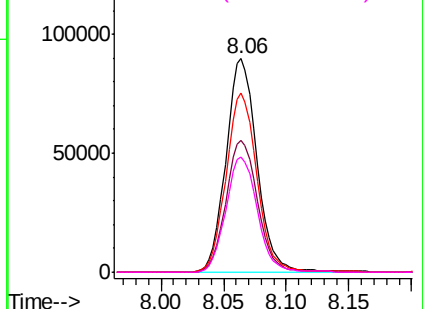
#45
 1,1,2-Trichloroethane
 Concen: 49.756 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion:	97	Resp:	153838
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.8	81.3
83	83.8	57.7	107.1
85	54.1	38.5	71.5

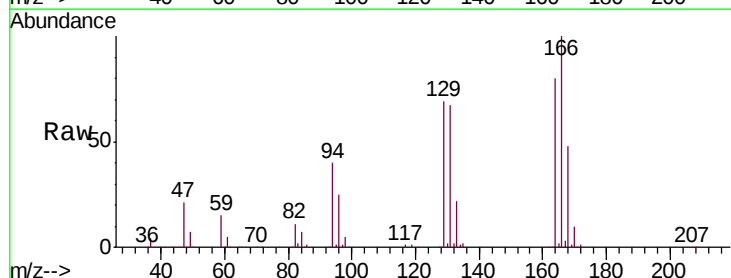


Abundance Ion 97.00 (96.70 to 97.70): VU029497.D (-2166) (-)
 Ion 99.00 (98.70 to 99.70): VU029497.D (-2166) (-)
 Ion 83.00 (82.70 to 83.70): VU029497.D (-2166) (-)
 Ion 85.00 (84.70 to 85.70): VU029497.D (-2166) (-)

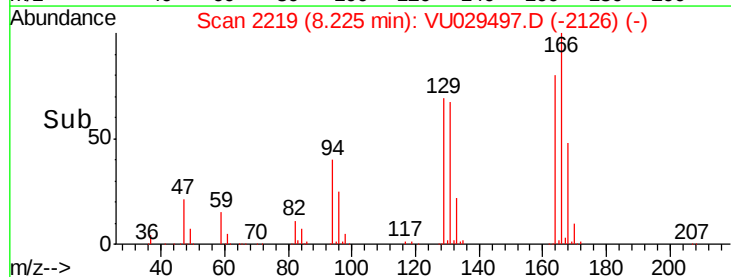
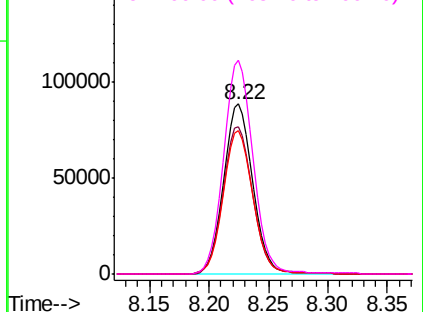


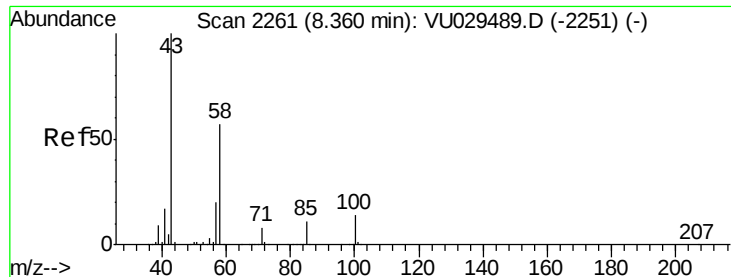
#46
 Tetrachloroethene
 Concen: 51.659 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Tgt Ion:	164	Resp:	150516
Ion	Ratio	Lower	Upper
164	100		
129	87.0	62.1	115.3
131	84.3	60.1	111.5
166	125.8	89.7	166.5



Abundance Ion 164.00 (163.70 to 164.70): VU029497.D (-2216) (-)
 Ion 129.00 (128.70 to 129.70): VU029497.D (-2216) (-)
 Ion 131.00 (130.70 to 131.70): VU029497.D (-2216) (-)
 Ion 166.00 (165.70 to 166.70): VU029497.D (-2216) (-)

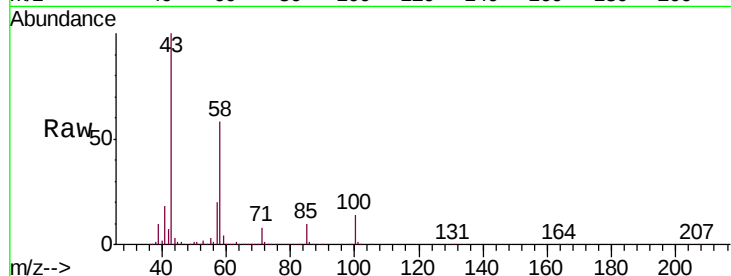




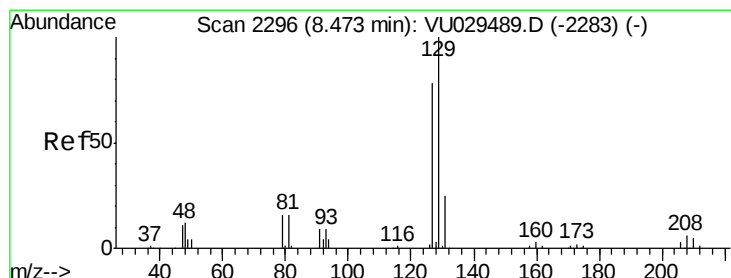
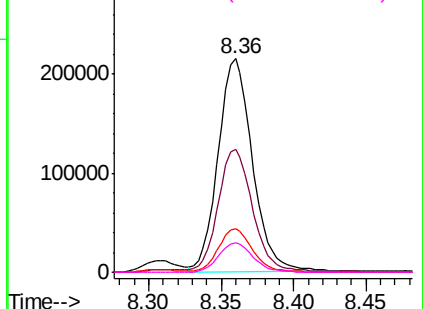
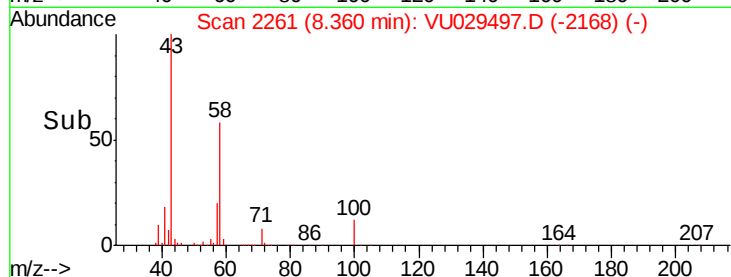
#48
2-Hexanone
Concen: 98.929 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU029497.D
Acq: 15 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion:	43	Resp:	352524
Ion	Ratio	Lower	Upper
43	100		
58	58.9	46.4	69.6
57	20.8	15.7	23.5
100	14.0	10.9	16.3

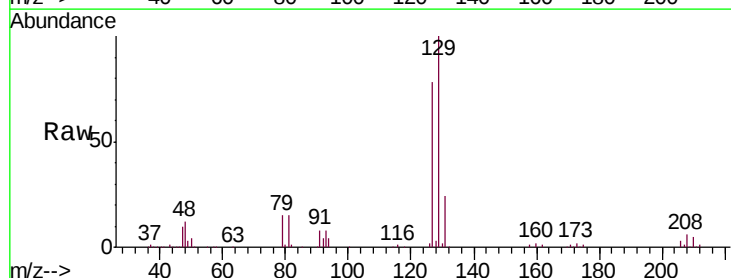


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

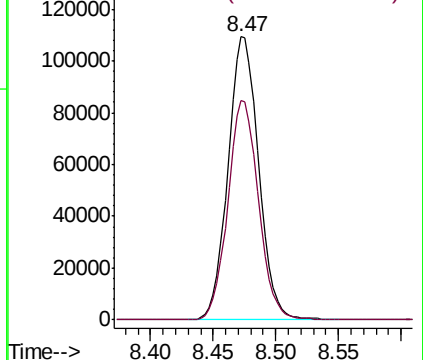
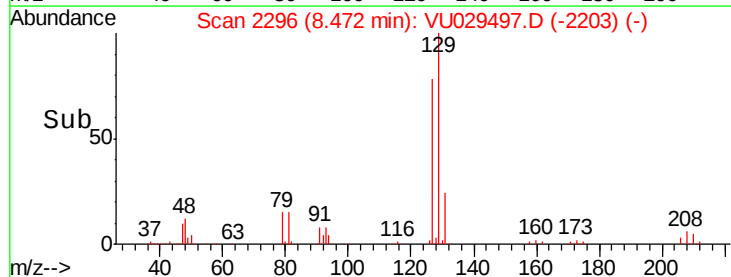


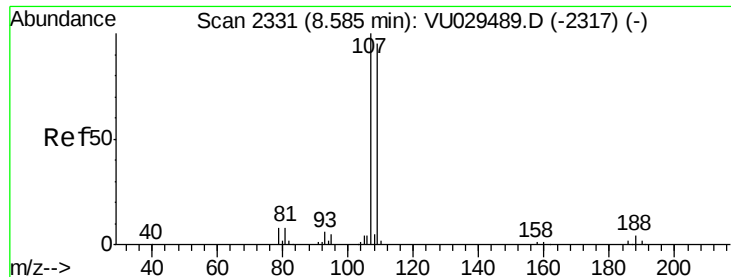
#49
Dibromochloromethane
Concen: 49.709 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029497.D
Acq: 15 Feb 2019 15:13

Tgt Ion:	129	Resp:	186324
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.4	101.0



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

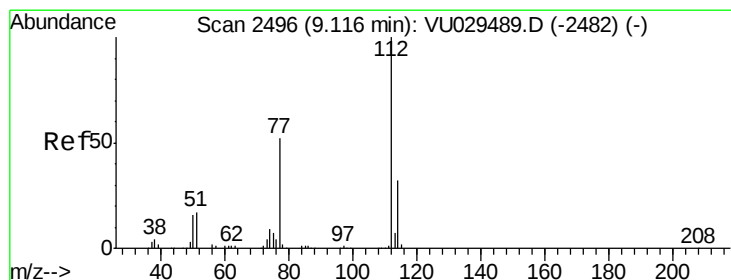
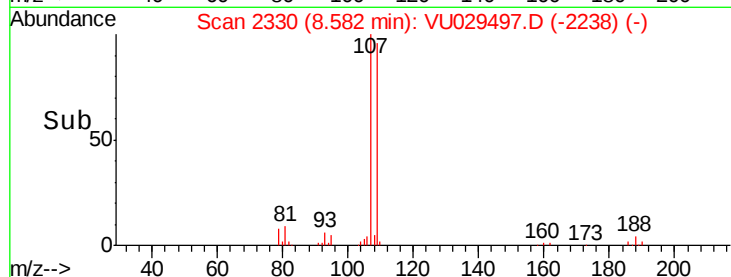
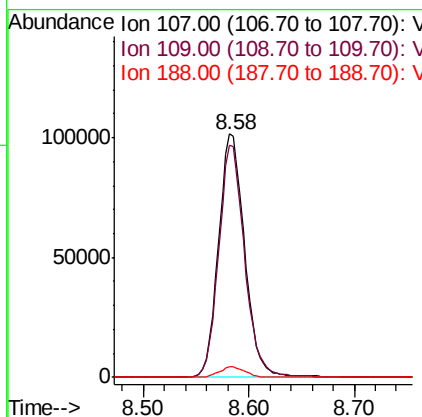
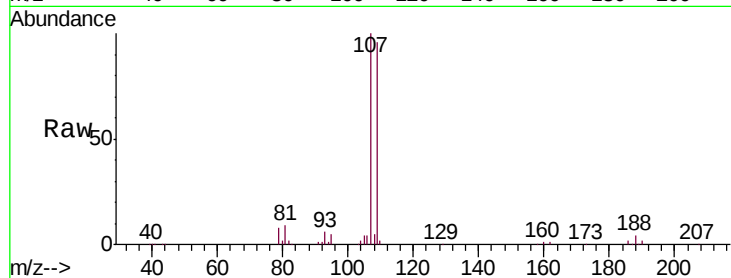




#50
1,2-Dibromoethane
Concen: 50.835 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU029497.D
Acq: 15 Feb 2019 15:13

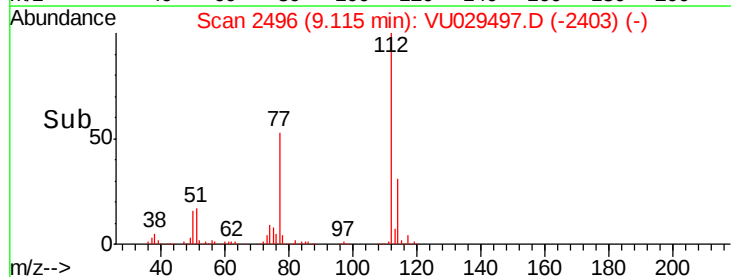
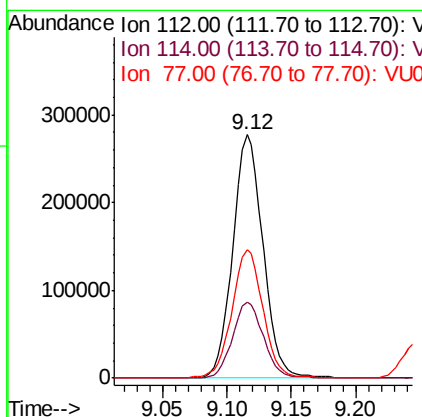
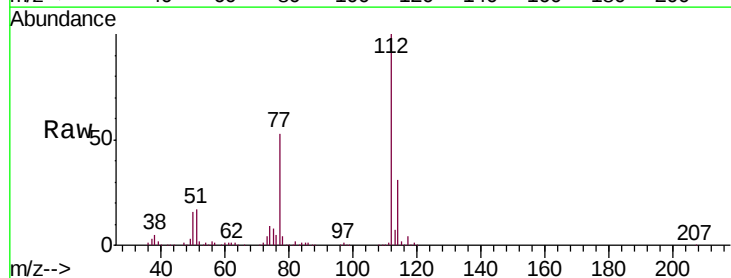
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

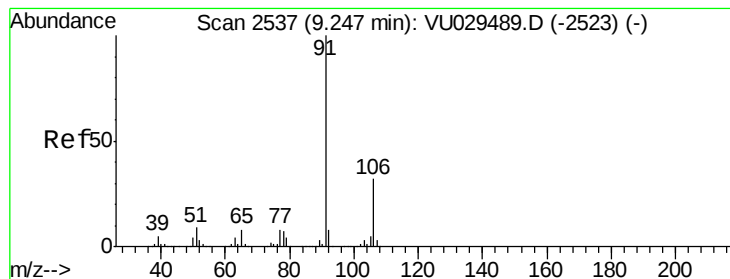
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.4	123.4
188	4.2	3.5	5.3



#51
Chlorobenzene
Concen: 50.435 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029497.D
Acq: 15 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.7	42.1
77	52.7	42.1	63.1





#52

Ethylbenzene

Concen: 50.500 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

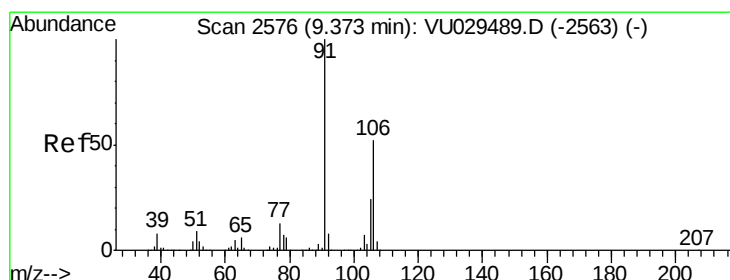
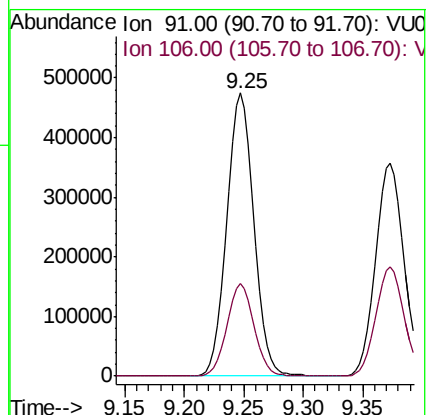
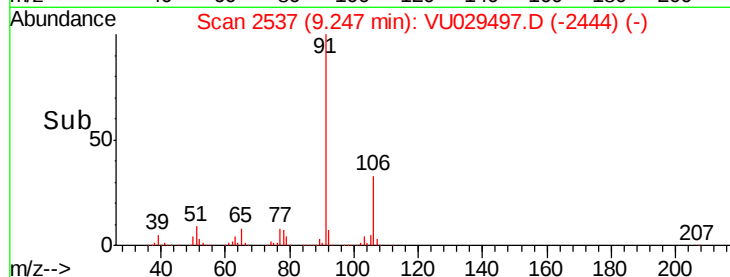
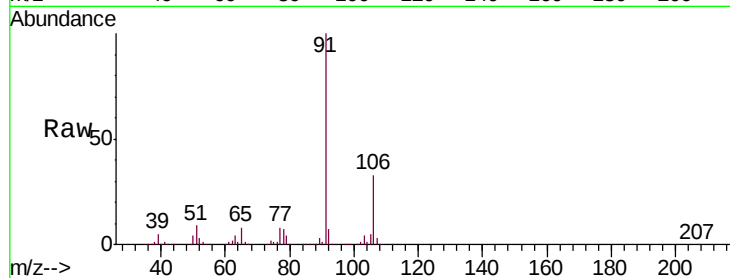
VSTD05047

Tgt Ion: 91 Resp: 749513

Ion Ratio Lower Upper

91 100

106 32.7 22.7 42.1



#53

m,p-Xylene

Concen: 51.026 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029497.D

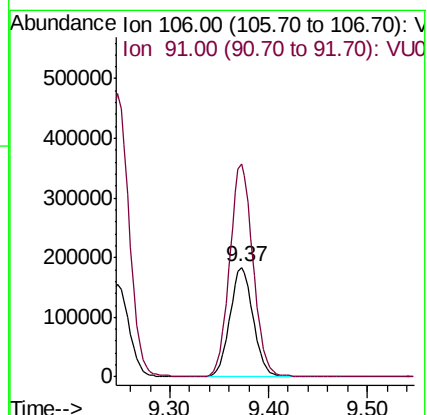
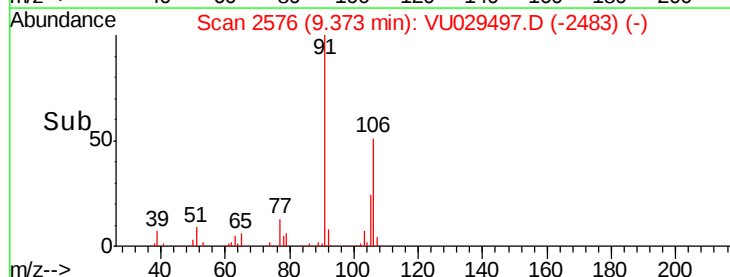
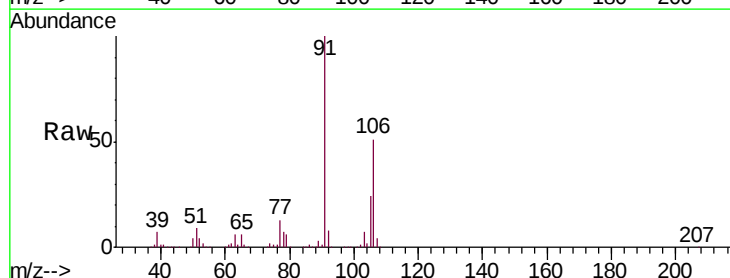
Acq: 15 Feb 2019 15:13

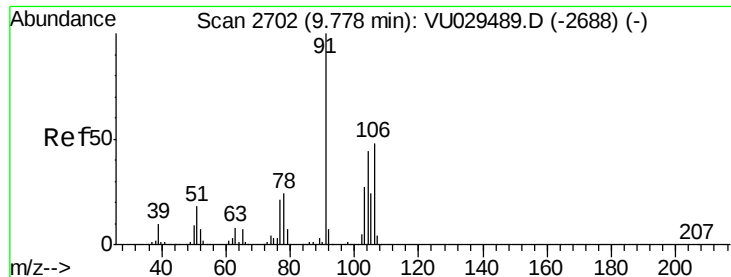
Tgt Ion: 106 Resp: 304000

Ion Ratio Lower Upper

106 100

91 194.4 135.3 251.3





#54

o-xylene

Concen: 50.250 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

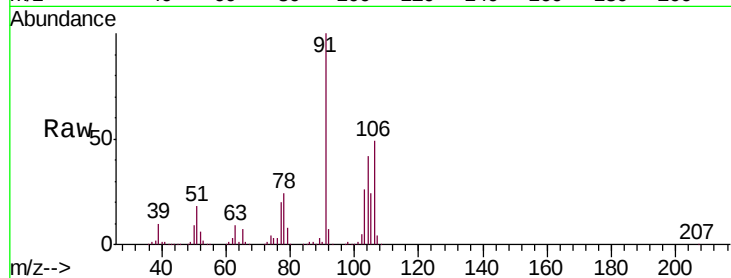
VSTD05047

Tgt Ion:106 Resp: 300718

Ion Ratio Lower Upper

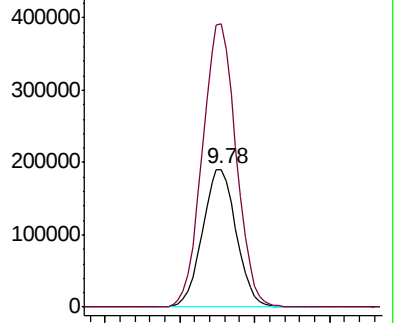
106 100

91 205.1 144.5 268.3

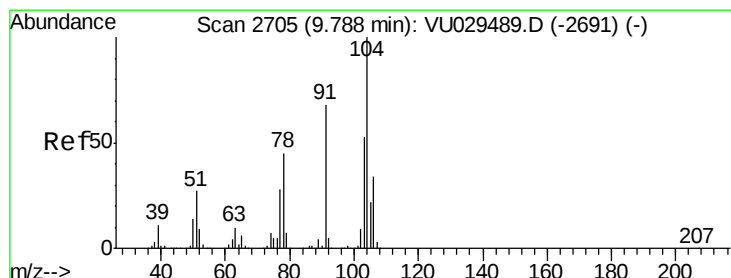
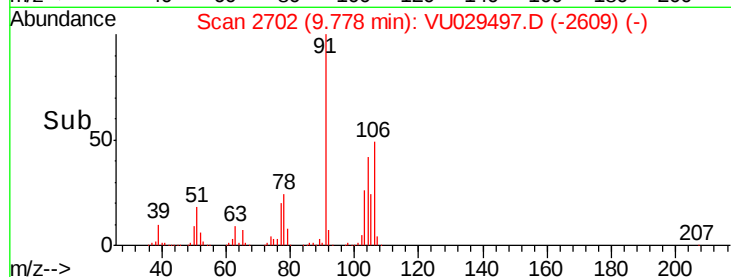


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 50.731 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029497.D

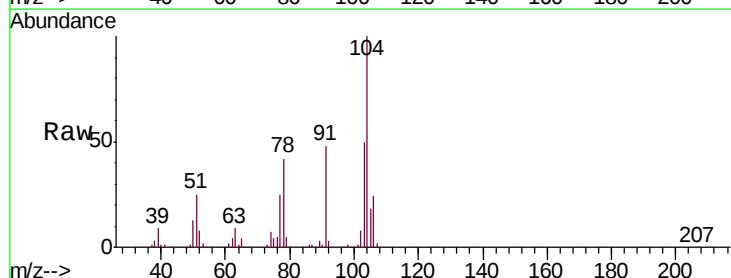
Acq: 15 Feb 2019 15:13

Tgt Ion:104 Resp: 512504

Ion Ratio Lower Upper

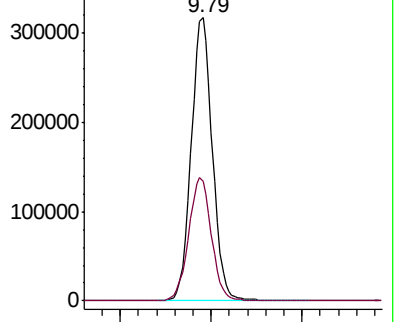
104 100

78 42.2 31.3 58.1

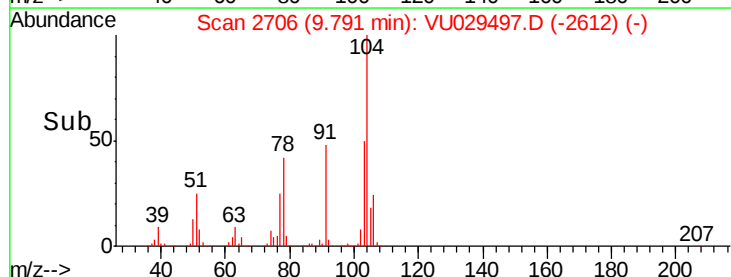


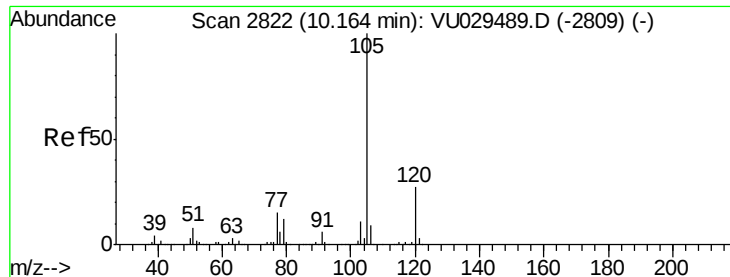
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 50.889 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

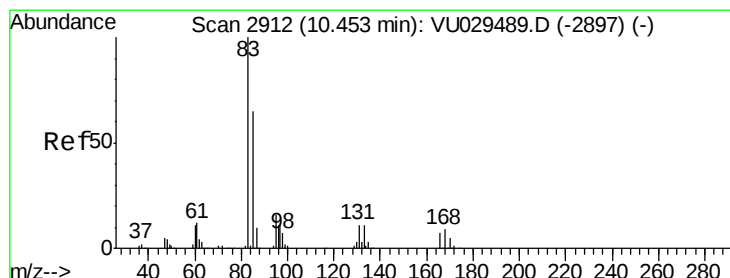
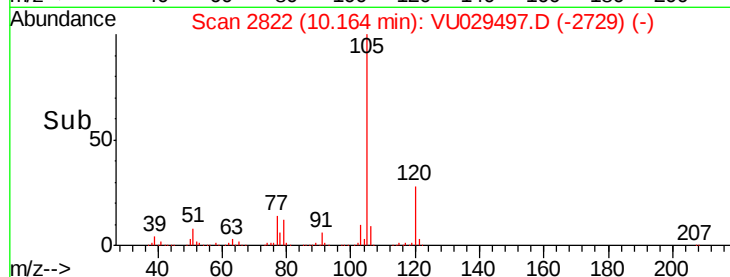
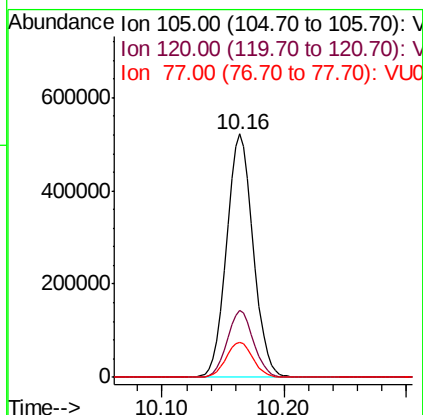
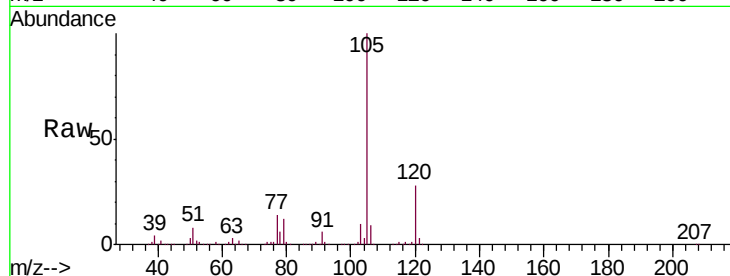
Tgt Ion: 105 Resp: 796911

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: 49.447 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

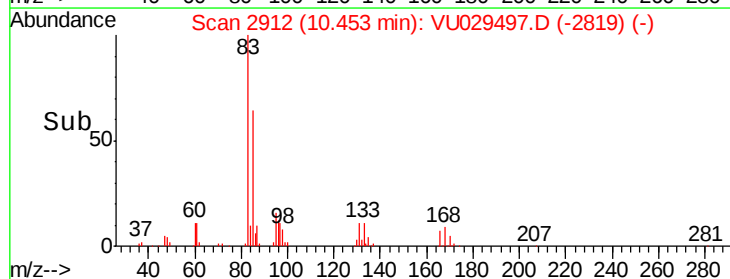
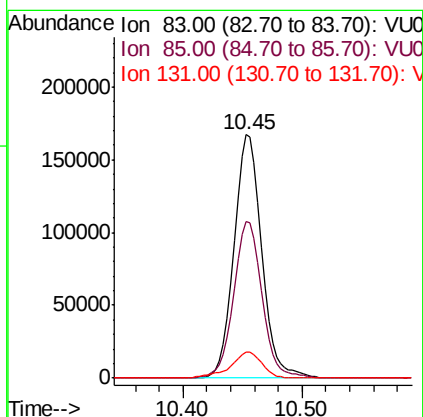
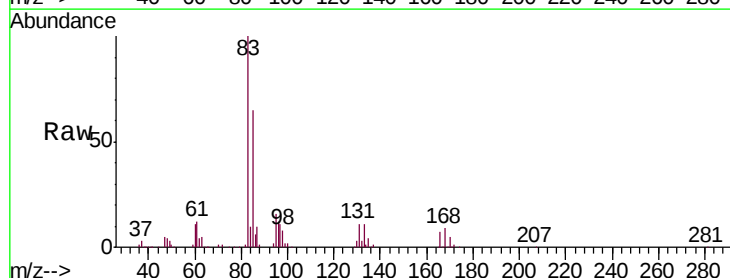
Tgt Ion: 83 Resp: 270344

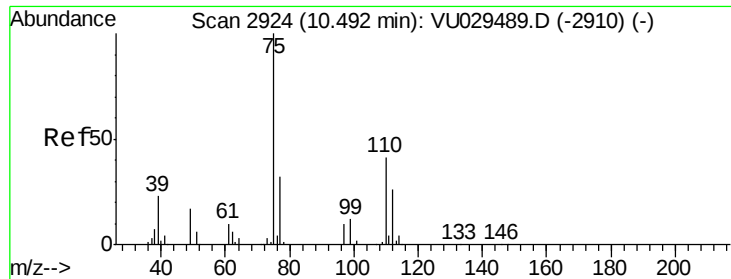
Ion Ratio Lower Upper

83 100

85 64.6 45.5 84.5

131 10.6 8.6 12.8

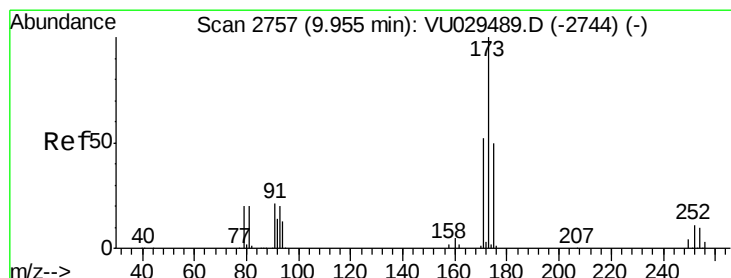
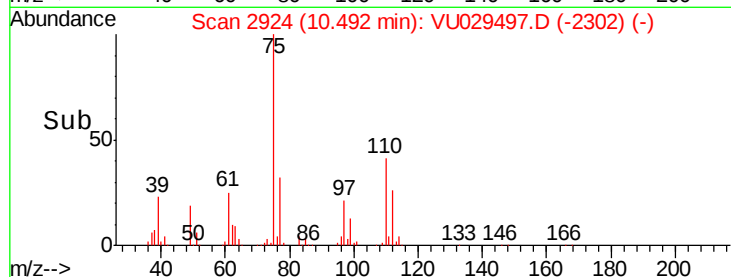
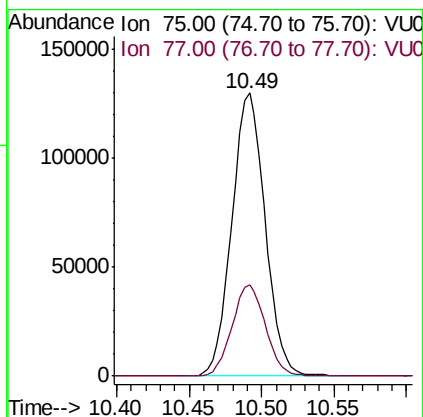
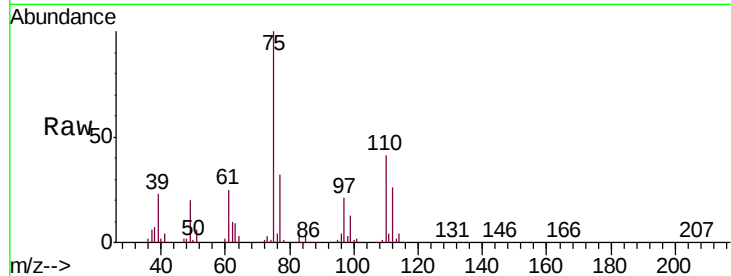




#59
 1,2,3-Trichloropropane
 Concen: 50.173 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

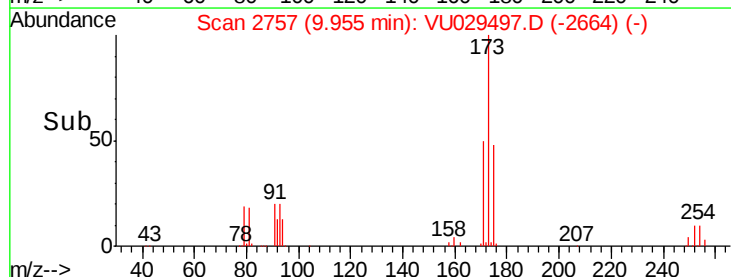
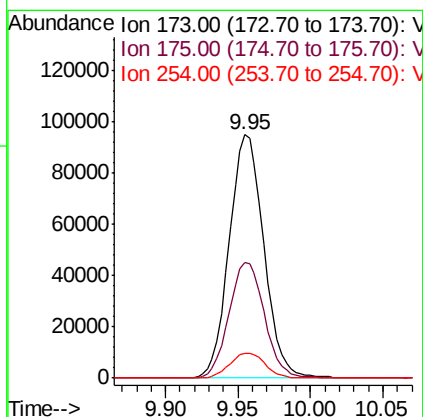
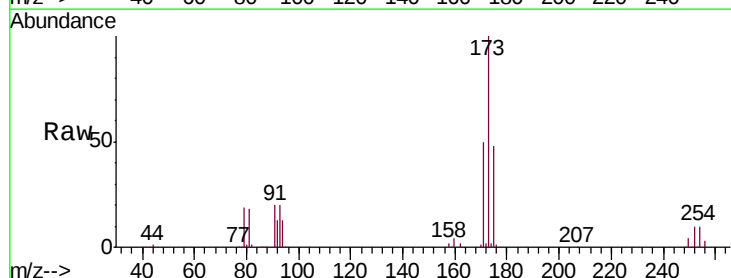
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

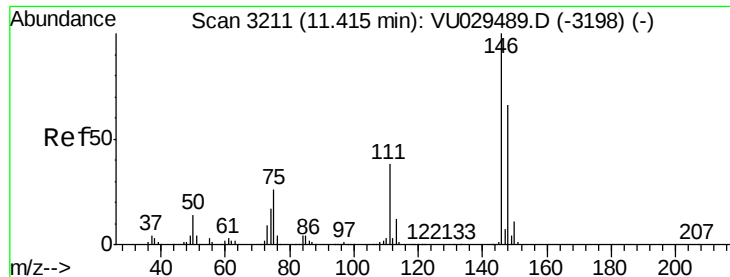
Tgt Ion: 75 Resp: 207513
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#61
 Bromoform
 Concen: 48.020 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Tgt Ion: 173 Resp: 157547
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.4
 254 10.4 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 50.776 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

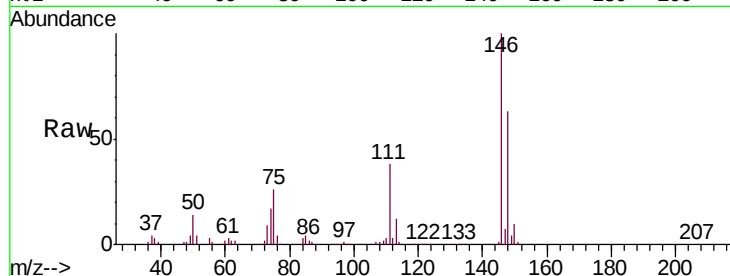
Tgt Ion:146 Resp: 394418

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.5

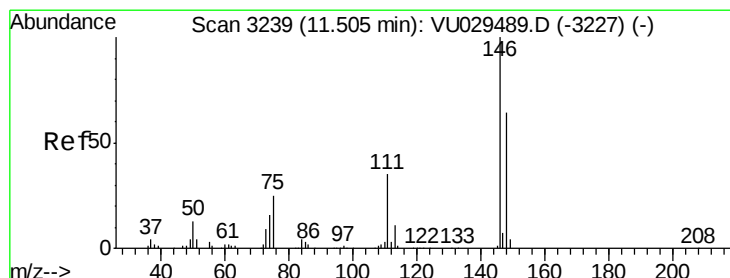
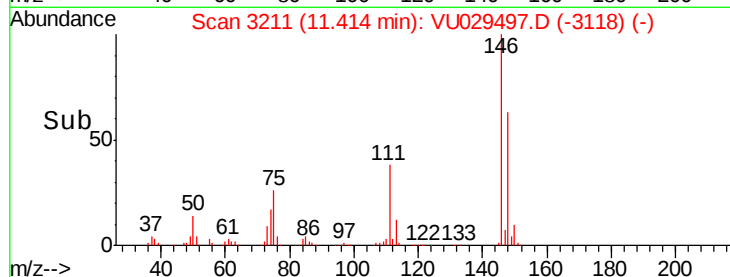
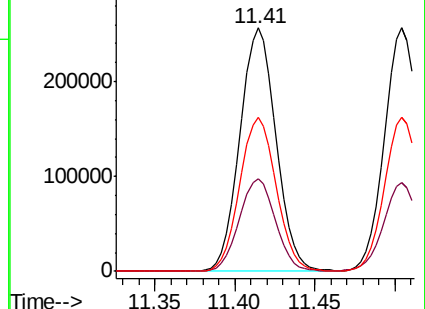
148 63.3 45.9 85.3



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: 50.613 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

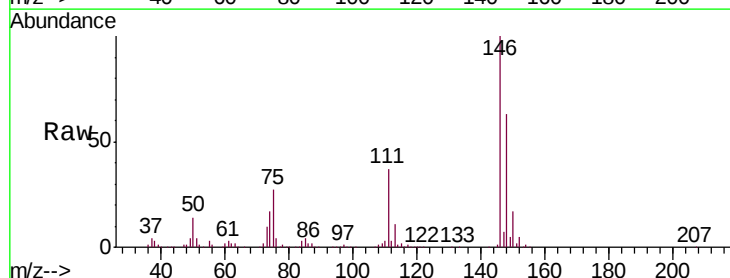
Tgt Ion:146 Resp: 395644

Ion Ratio Lower Upper

146 100

111 36.6 25.1 46.5

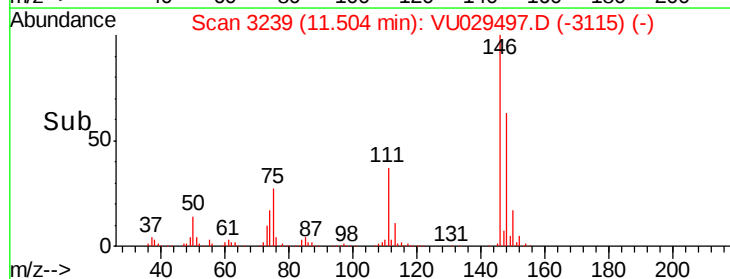
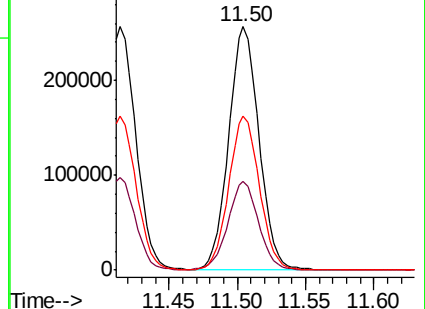
148 63.4 45.0 83.6

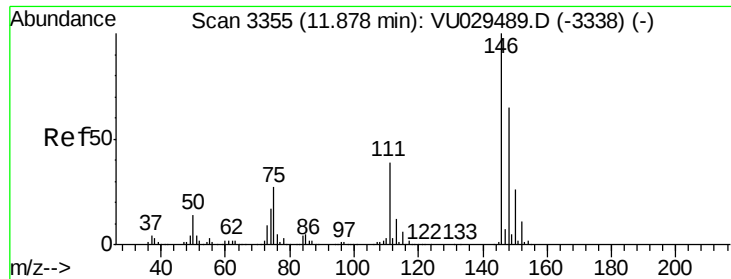


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

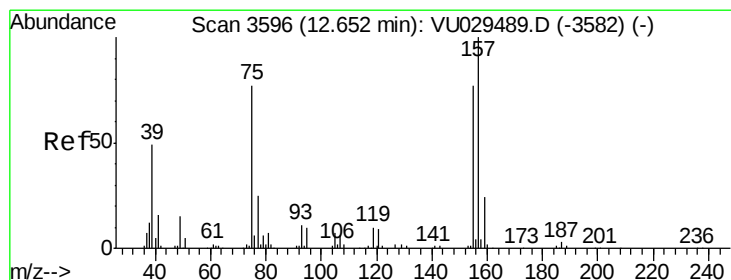
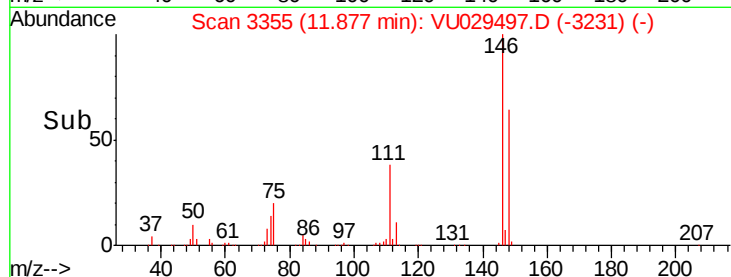
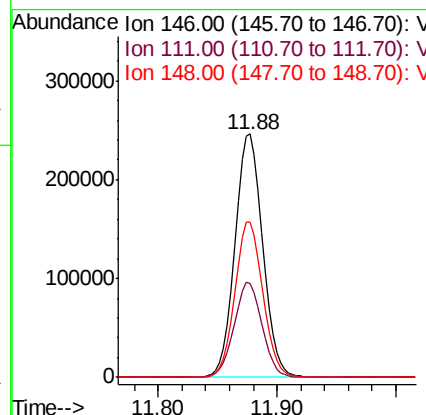
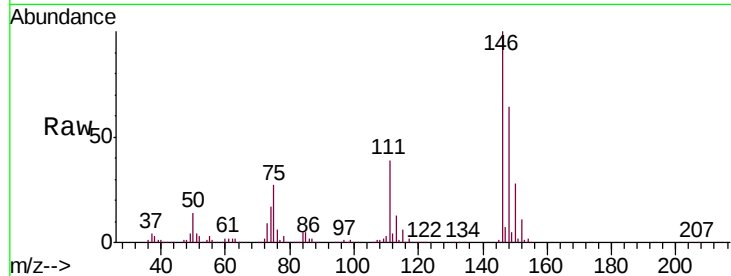




#65
 1,2-Dichlorobenzene
 Concen: 48.930 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

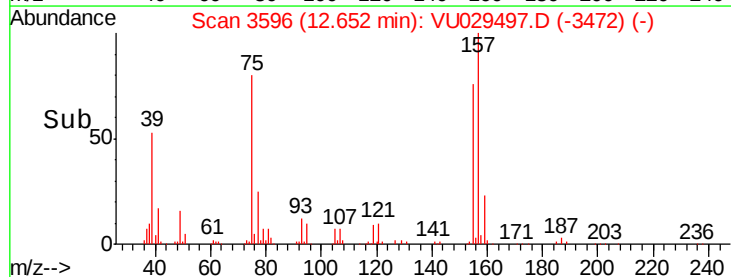
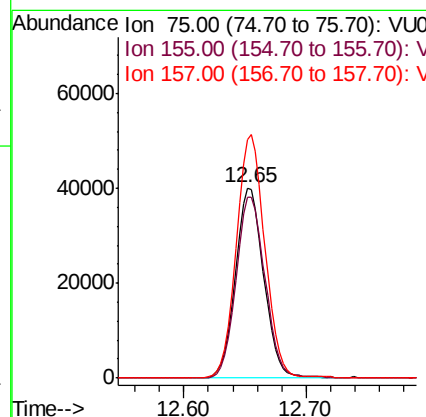
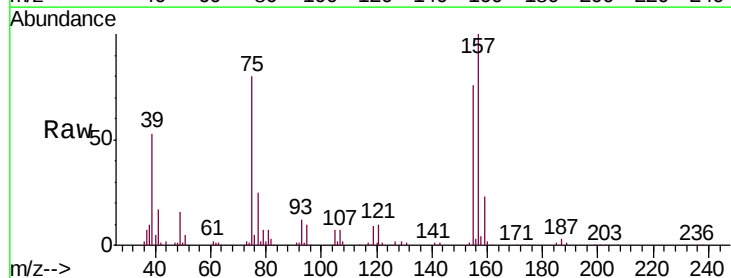
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

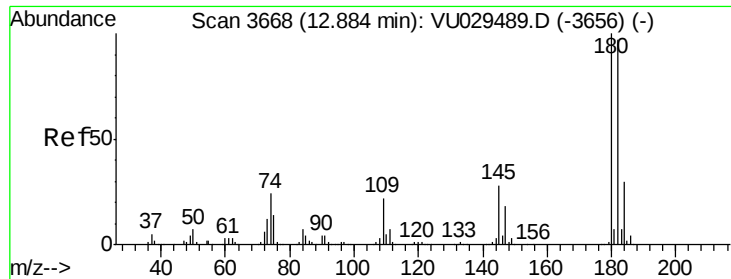
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	31.2	46.8
148	64.0	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.443 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	79.5	119.3
157	125.2	103.4	155.0

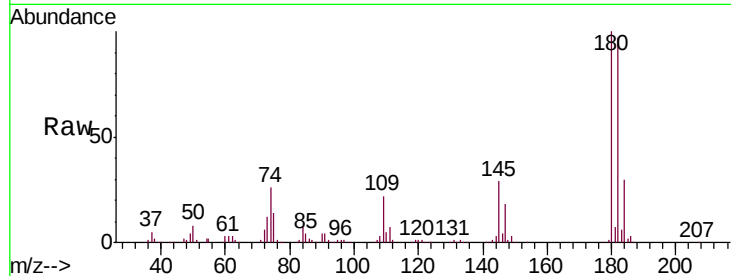




#67
 1,3,5-Trichlorobenzene
 Concen: 53.077 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion:	180	Resp:	314618
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.9	116.9
184	30.8	24.5	36.7
145	28.3	22.4	33.6



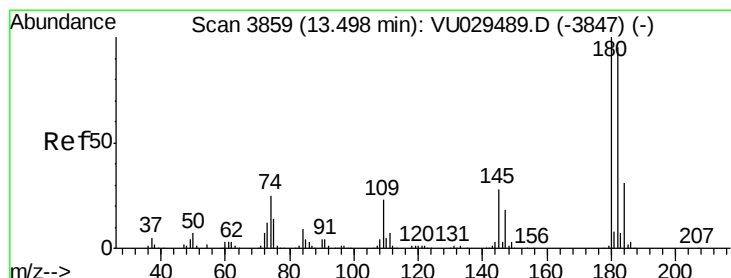
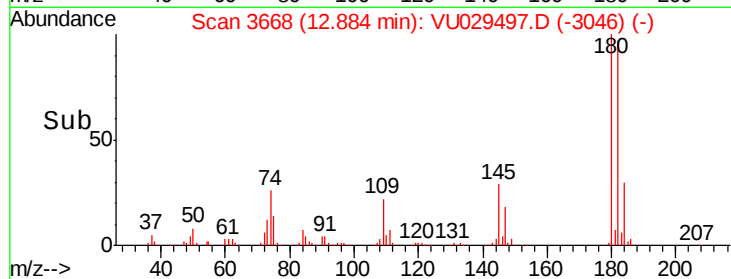
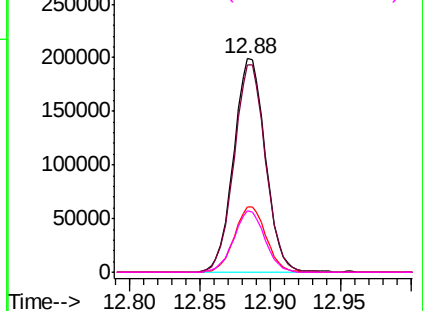
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

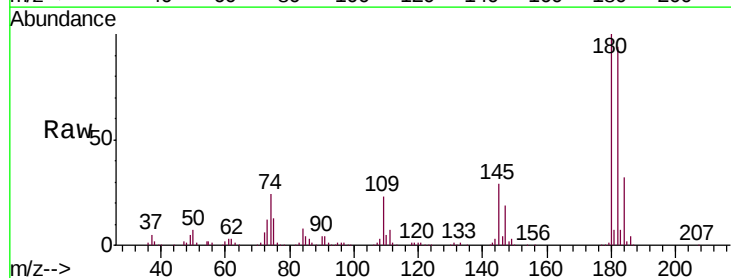
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.870 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029497.D
 Acq: 15 Feb 2019 15:13

Tgt Ion:	180	Resp:	281309
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	28.5	22.7	34.1

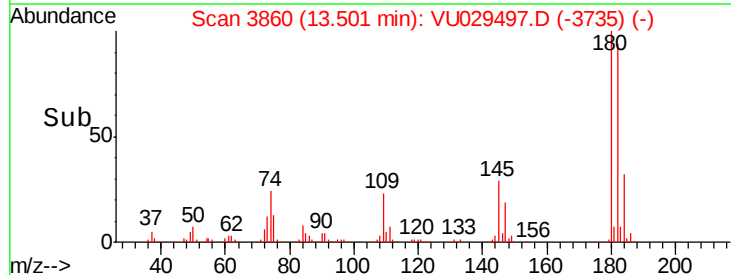
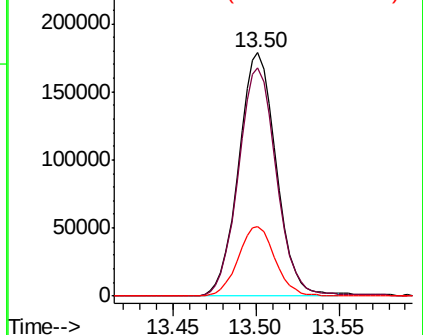


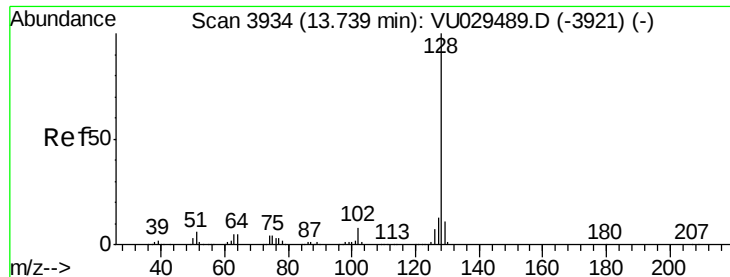
Abundance

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: 55.158 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

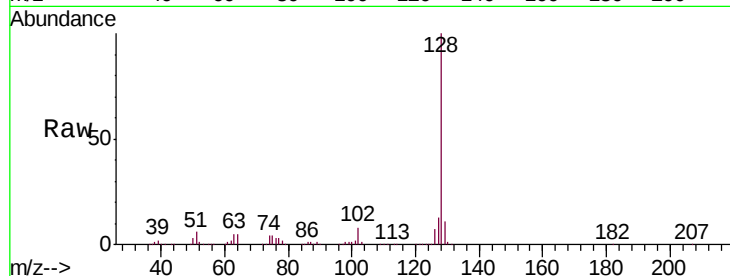
Tgt Ion:128 Resp: 869207

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

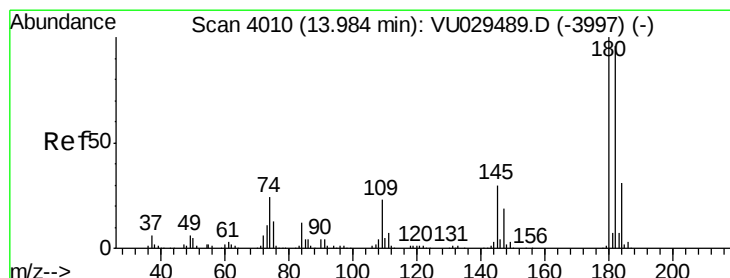
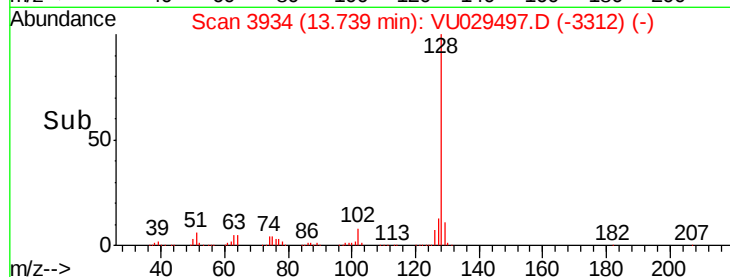
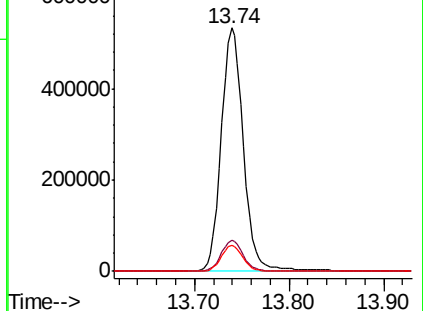
129 10.6 8.5 12.7



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: 53.286 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029497.D

Acq: 15 Feb 2019 15:13

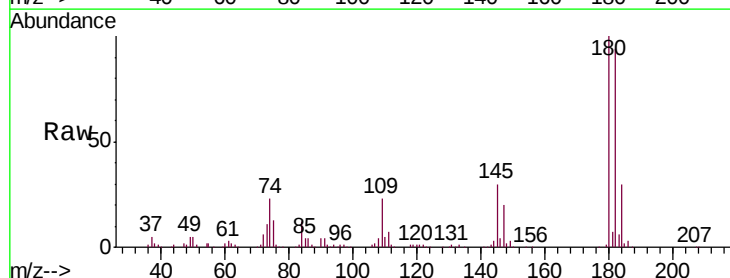
Tgt Ion:180 Resp: 290109

Ion Ratio Lower Upper

180 100

182 94.5 76.8 115.2

145 29.5 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

