

Data File : VU029485.D
Acq On : 15 Feb 2019 03:03
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00557

Quant Time: Feb 15 03:49:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	192571	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	189160	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105821	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54243	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.68	69	52135	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.28	63	133864	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	4.19	46	143976	53.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.04%
24) Chloroform-d	4.65	84	100675	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.31	65	52642	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.34	84	210853	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.33	67	62804	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.56	98	208338	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.85	79	24688	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.31	63	149121	53.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60830	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	96421	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	83778	4.968	ug/L 99
3) Chloromethane	1.32	50	60364	3.793	ug/L 100
5) Vinyl chloride	1.40	62	85779	4.625	ug/L 97
6) Bromomethane	1.63	94	17003	1.572	ug/L 99
8) Chloroethane	1.70	64	57423	4.755	ug/L 99
9) Trichlorofluoromethane	1.88	101	146758	5.170	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	86495	5.169	ug/L 99
12) 1,1-Dichloroethene	2.28	96	80773	5.097	ug/L 96
13) Acetone	2.32	43	123446	50.512	ug/L 99
14) Carbon disulfide	2.48	76	261268	5.003	ug/L 99
15) Methyl Acetate	2.62	43	33589	5.365	ug/L 97
16) Methylene chloride	2.70	84	87416	4.908	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	209295	5.274	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	88267	5.223	ug/L 95
19) 1,1-Dichloroethane	3.44	63	148213	5.822	ug/L 98
21) 2-Butanone	4.28	43	156117	51.697	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	77814	5.006	ug/L 98

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ClientSampleId :
VSTD00557

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	35815	5.104	ug/L	96
25) Chloroform	4.67	83	128900	5.060	ug/L	97
27) 1,2-Dichloroethane	5.40	62	74915	5.083	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	110736	4.733	ug/L	98
30) Cyclohexane	4.99	56	104933	4.680	ug/L	99
31) Carbon tetrachloride	5.13	117	98990	4.683	ug/L	99
33) Benzene	5.39	78	272372	4.892	ug/L	100
34) Trichloroethene	6.18	95	73307	4.683	ug/L	97
35) Methylcyclohexane	6.41	83	122240	4.642	ug/L	99
37) 1,2-Dichloropropane	6.43	63	68908	4.941	ug/L	99
38) Bromodichloromethane	6.76	83	85589	4.644	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	95932	4.371	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	405224	50.408	ug/L	99
42) Toluene	7.63	91	307581	4.922	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	78855	4.375	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	53160	4.976	ug/L	95
47) Tetrachloroethene	8.22	164	70226	4.897	ug/L	98
48) 2-Hexanone	8.36	43	292765	49.969	ug/L	99
49) Dibromochloromethane	8.48	129	68502	4.758	ug/L	99
50) 1,2-Dibromoethane	8.58	107	52911	5.005	ug/L	97
51) Chlorobenzene	9.12	112	211874	4.930	ug/L	100
52) Ethylbenzene	9.25	91	351255	4.964	ug/L	99
53) m,p-xylene	9.37	106	139208	4.933	ug/L	100
54) o-xylene	9.77	106	140379	5.068	ug/L	99
55) Styrene	9.79	104	231533	5.035	ug/L	98
56) Isopropylbenzene	10.16	105	371496	5.085	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	67581	5.184	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	46292	5.175	ug/L	98
61) Bromoform	9.95	173	41042	4.582	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	183568	4.897	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	183578	4.904	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	178443	5.052	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	10528	4.764	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	148108	4.761	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	125135	4.776	ug/L	97
69) Naphthalene	13.74	128	217060	4.798	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	117941	4.708	ug/L	98

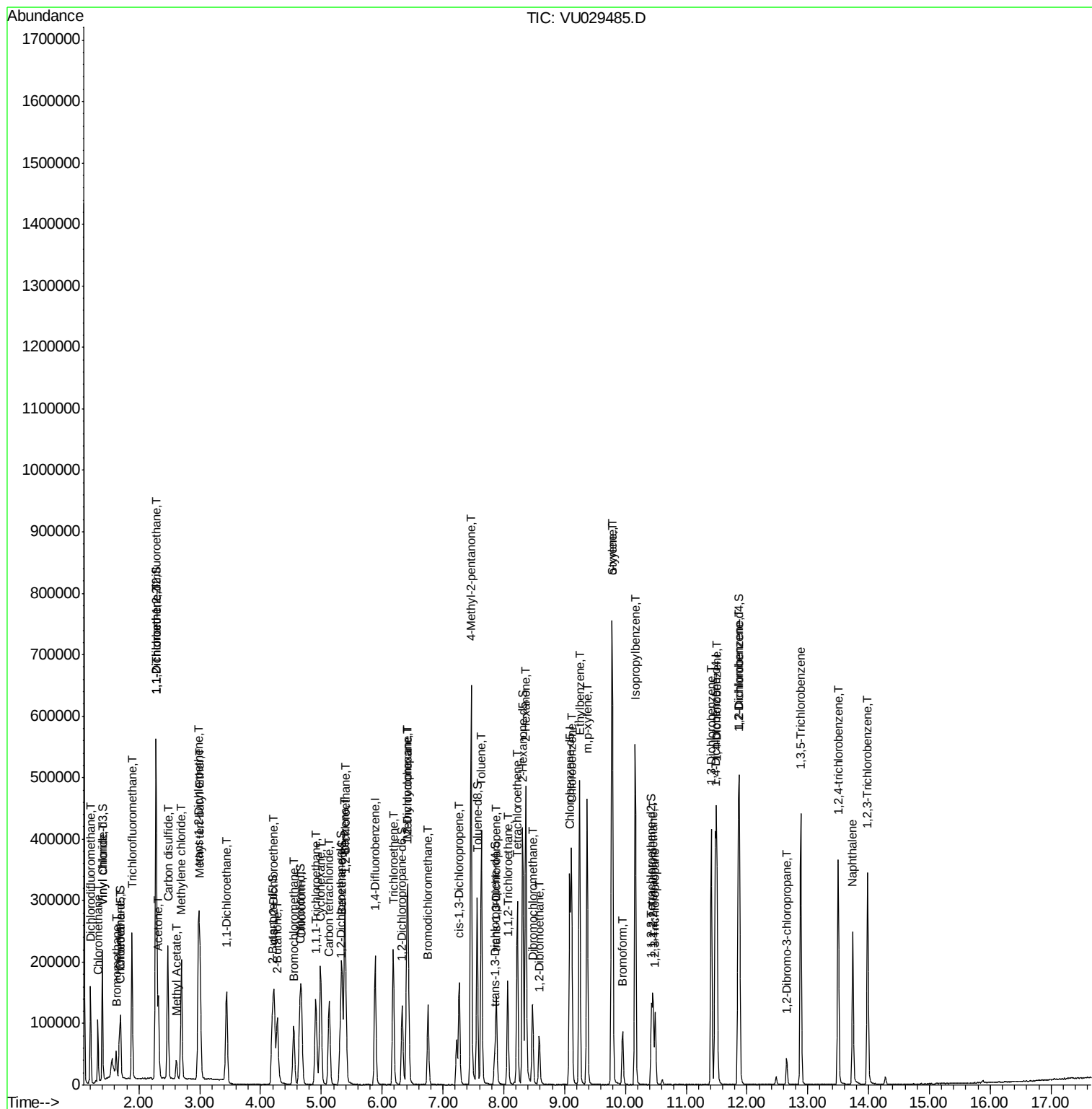
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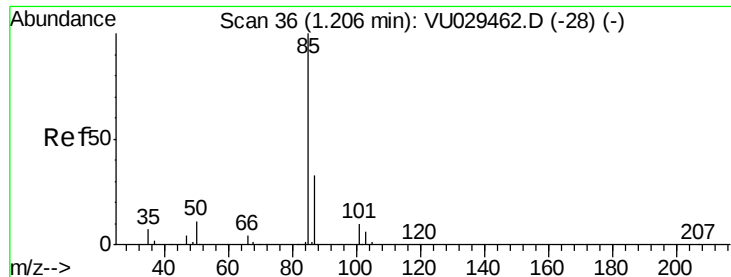
Data File : VU029485.D

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Acq On       : 15 Feb 2019   03:03
Operator    : JC/SP
Sample      : VSTDCCC005EC
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ALS Vial    : 42      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00557

Quant Time: Feb 15 03:47:06 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.968 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

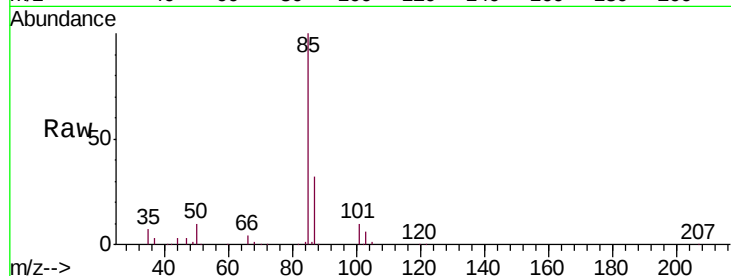
VSTD00557

Tgt Ion: 85 Resp: 83778

Ion Ratio Lower Upper

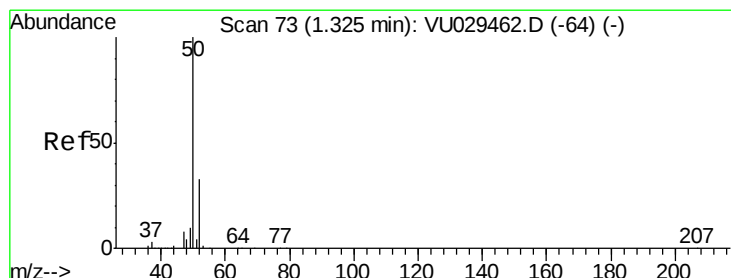
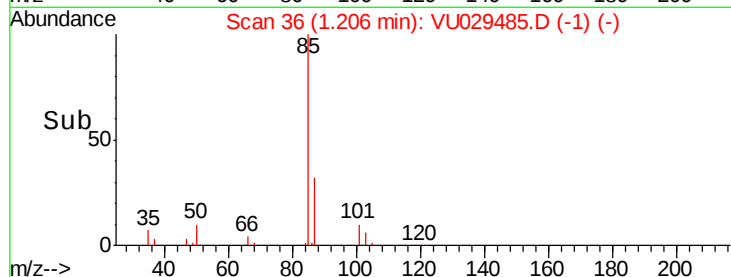
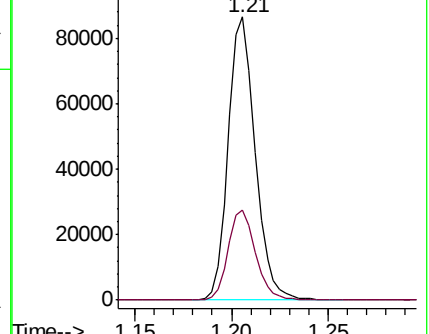
85 100

87 32.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU029462.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU029462.D (-28) (-)



#3

Chloromethane

Concen: 3.793 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029485.D

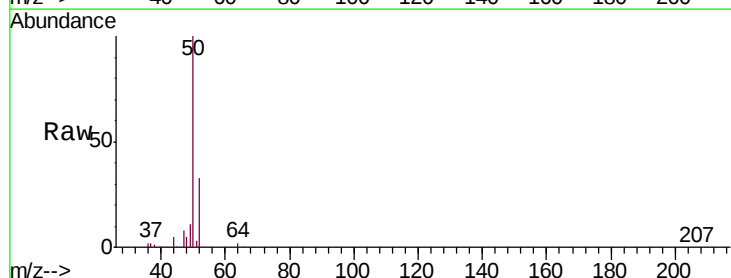
Acq: 15 Feb 2019 03:03

Tgt Ion: 50 Resp: 60364

Ion Ratio Lower Upper

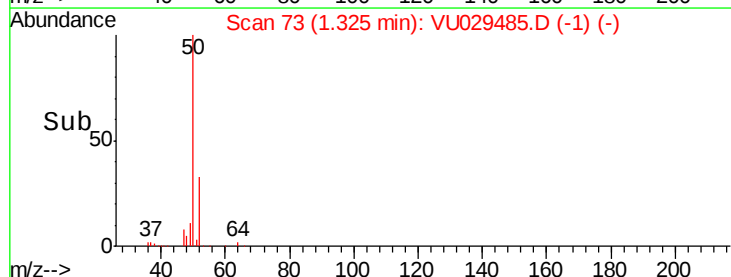
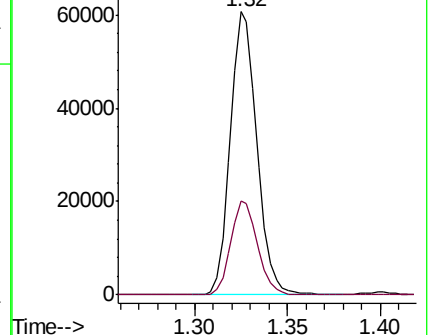
50 100

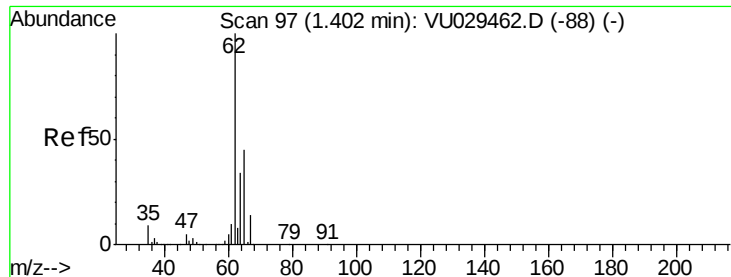
52 33.1 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU029462.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU029462.D (-64) (-)





#5

Vinyl chloride

Concen: 4.625 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

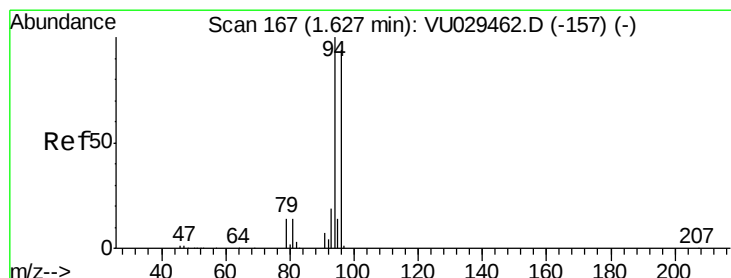
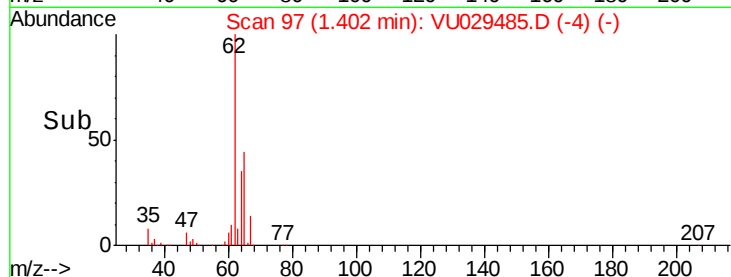
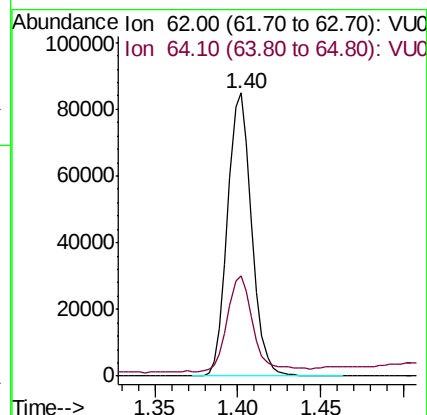
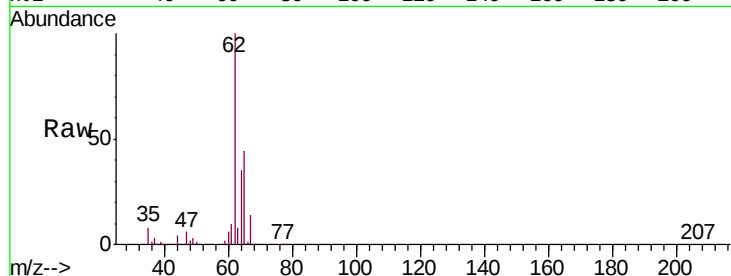
VSTD00557

Tgt Ion: 62 Resp: 85779

Ion Ratio Lower Upper

62 100

64 35.5 23.5 43.7



#6

Bromomethane

Concen: 1.572 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029485.D

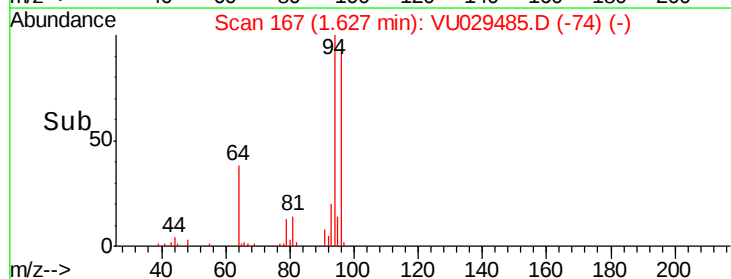
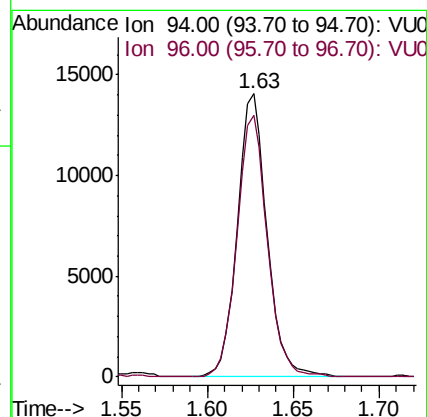
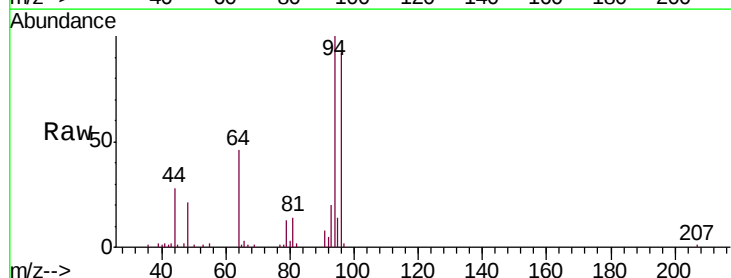
Acq: 15 Feb 2019 03:03

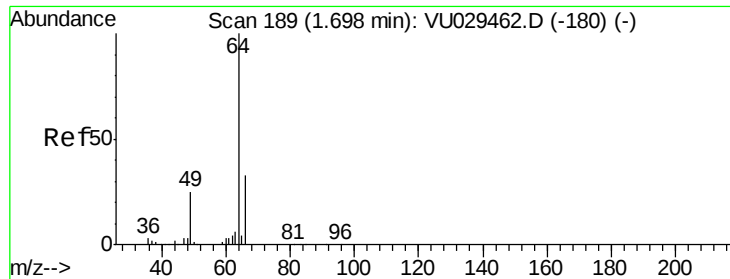
Tgt Ion: 94 Resp: 17003

Ion Ratio Lower Upper

94 100

96 92.5 65.2 121.0





#8

Chloroethane

Concen: 4.755 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

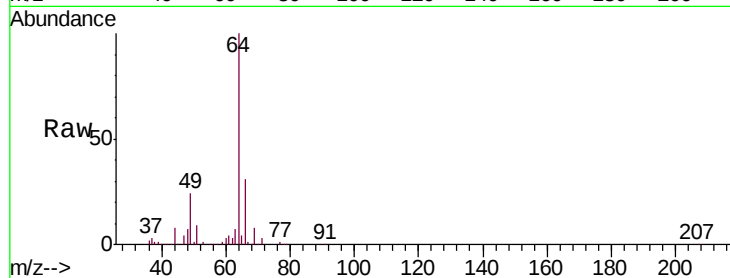
VSTD00557

Tgt Ion: 64 Resp: 57423

Ion Ratio Lower Upper

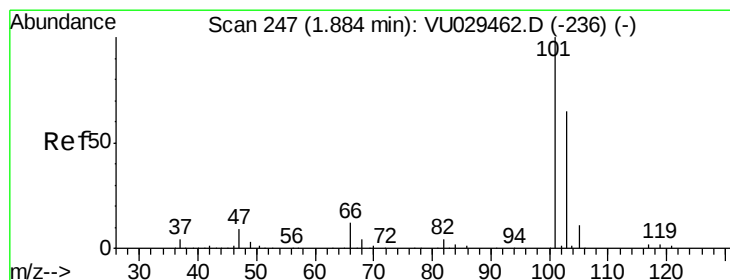
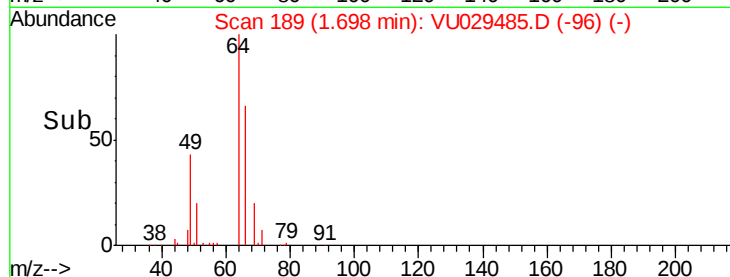
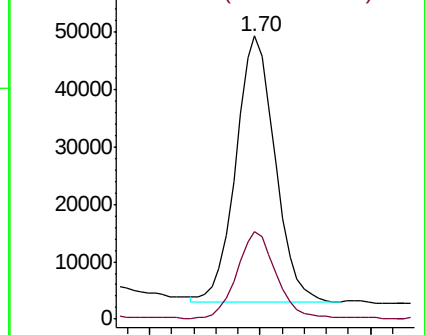
64 100

66 30.8 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 5.170 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029485.D

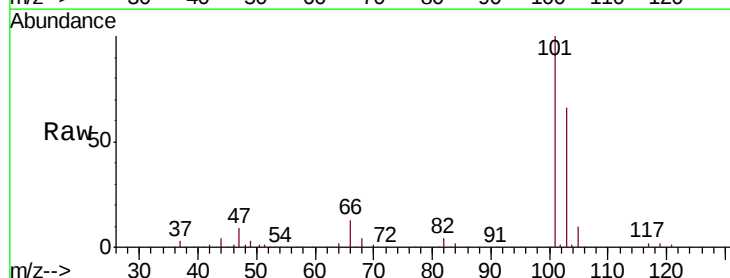
Acq: 15 Feb 2019 03:03

Tgt Ion: 101 Resp: 146758

Ion Ratio Lower Upper

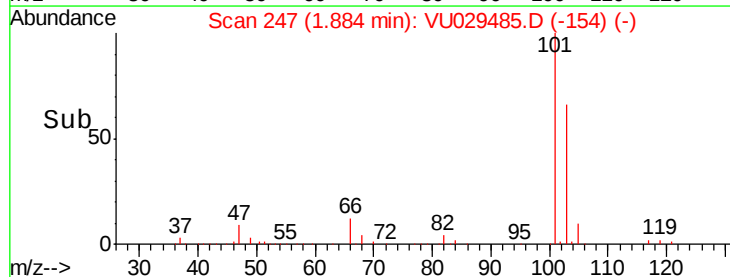
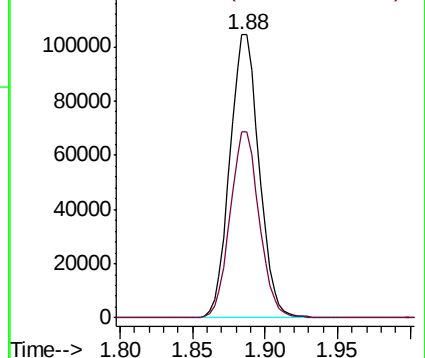
101 100

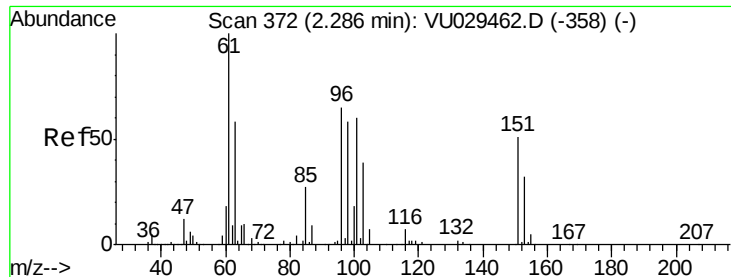
103 65.4 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.169 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029485.D

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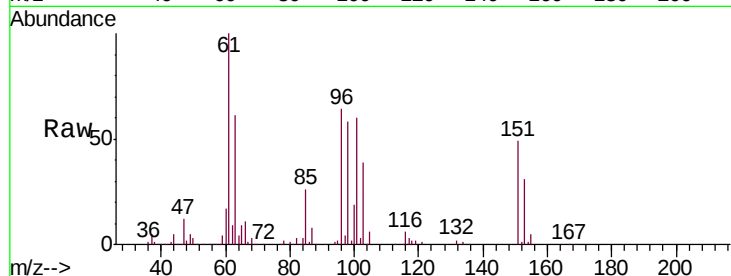
Tgt Ion: 101 Resp: 86495

Ion Ratio Lower Upper

101 100

85 43.1 35.1 52.7

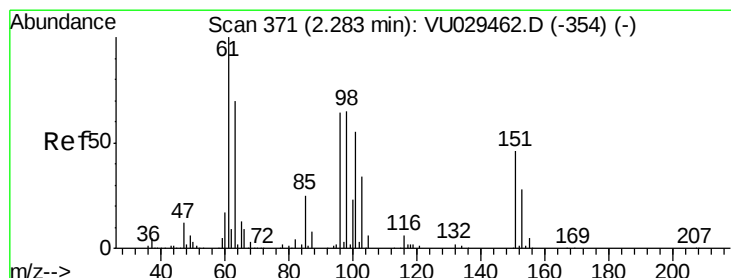
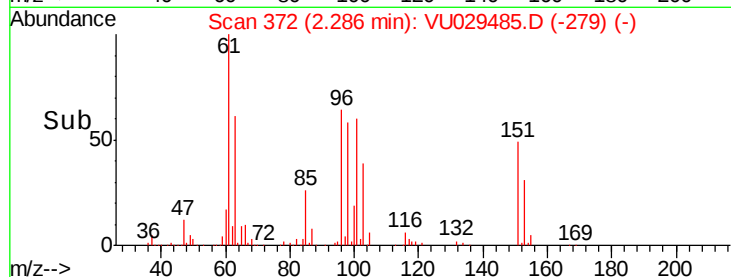
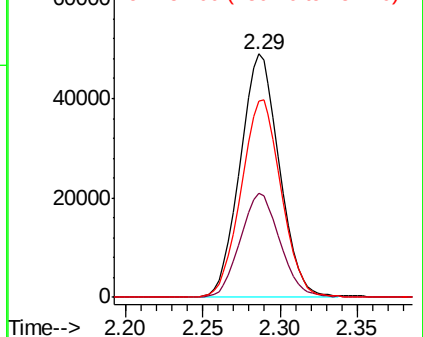
151 82.9 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.097 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

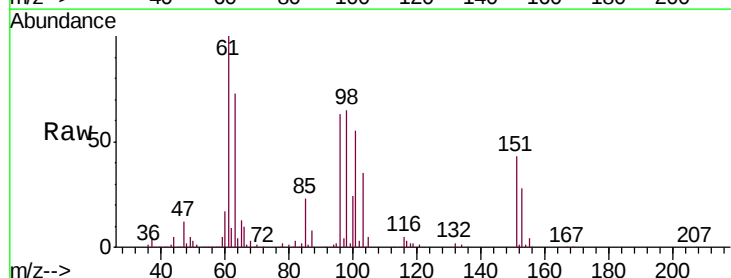
Tgt Ion: 96 Resp: 80773

Ion Ratio Lower Upper

96 100

61 157.7 115.1 213.7

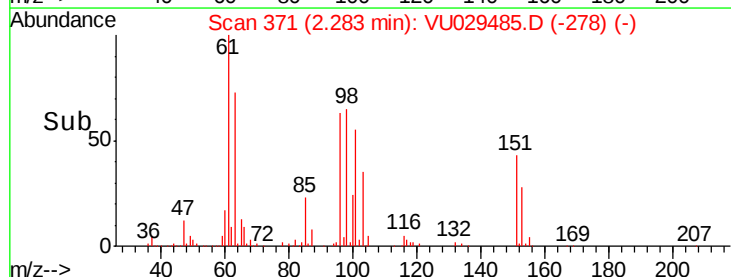
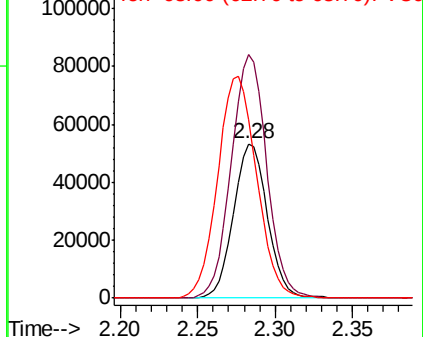
63 115.2 83.5 155.1

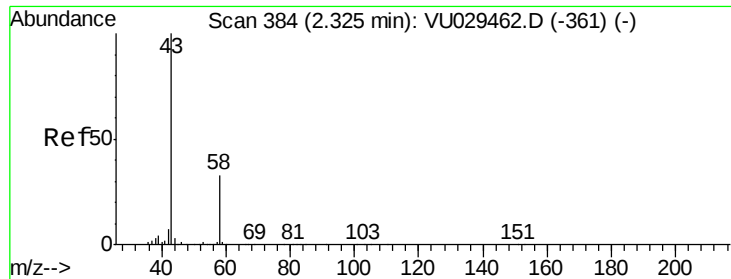


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.512 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

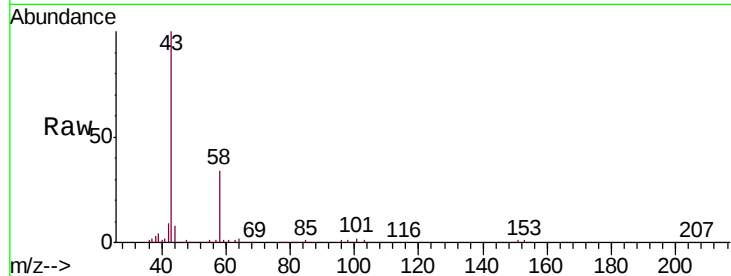
VSTD00557

Tgt Ion: 43 Resp: 123446

Ion Ratio Lower Upper

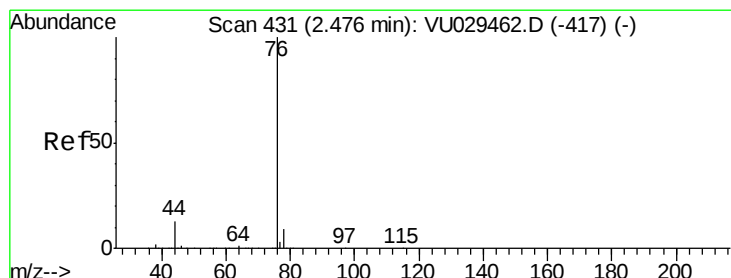
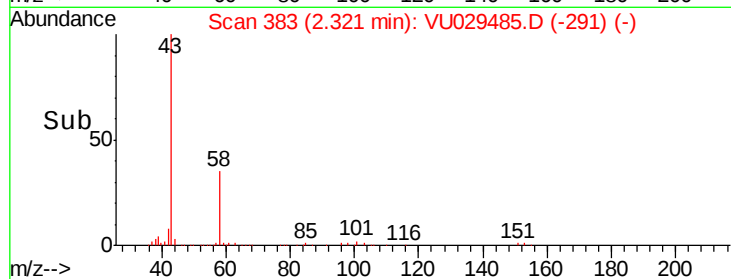
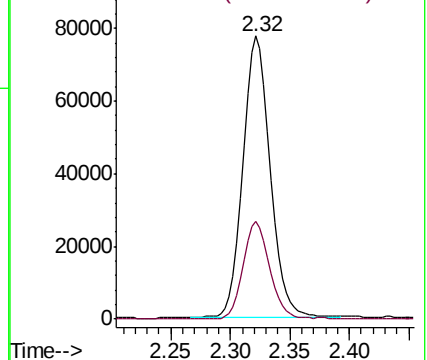
43 100

58 33.0 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU029462.D (-361) (-)

Ion 58.05 (57.75 to 58.75): VU029462.D (-361) (-)



#14

Carbon disulfide

Concen: 5.003 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029485.D

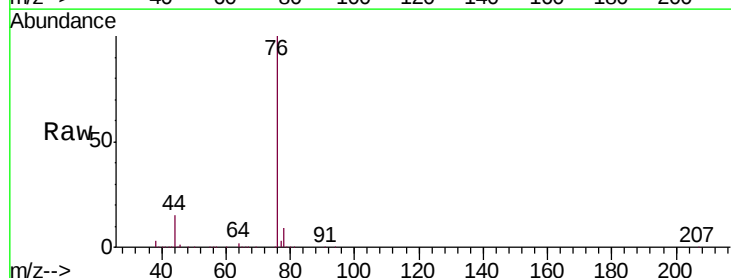
Acq: 15 Feb 2019 03:03

Tgt Ion: 76 Resp: 261268

Ion Ratio Lower Upper

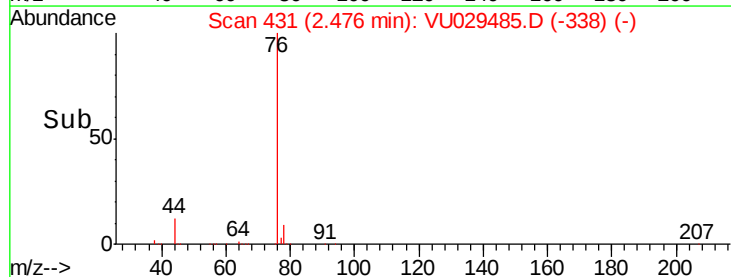
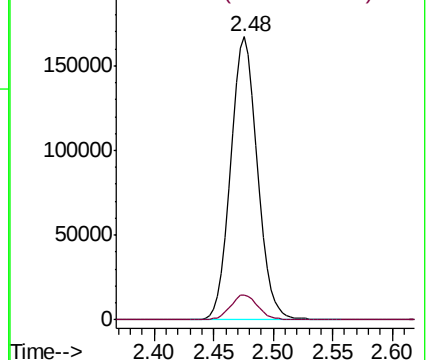
76 100

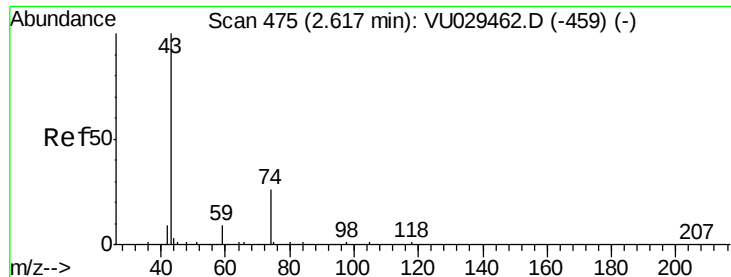
78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU029462.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029462.D (-417) (-)

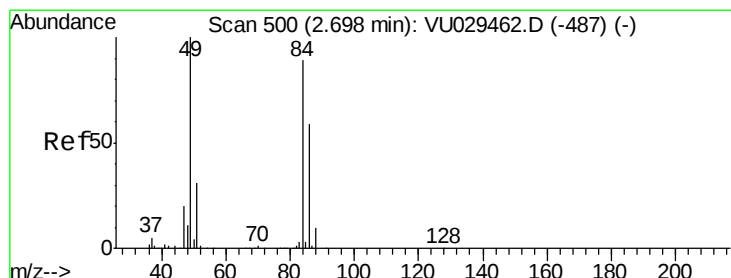
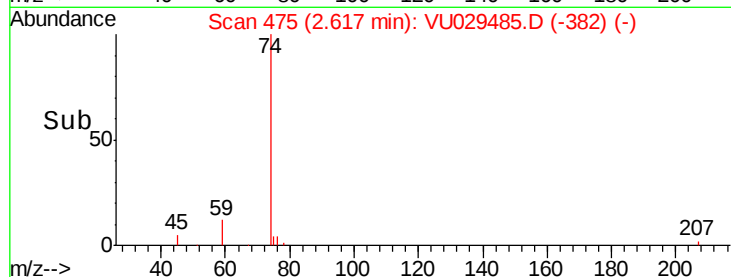
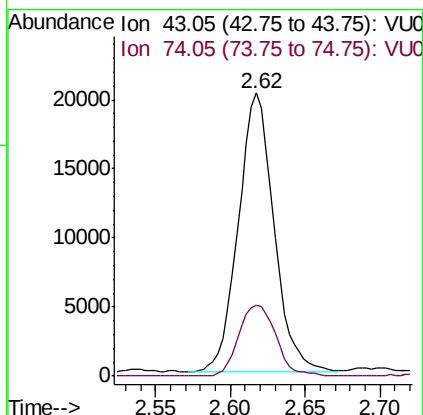
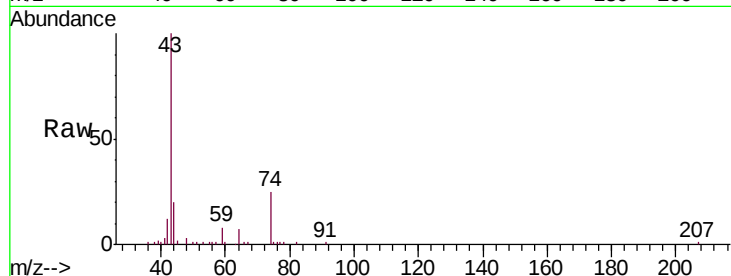




#15
Methyl Acetate
Concen: 5.365 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

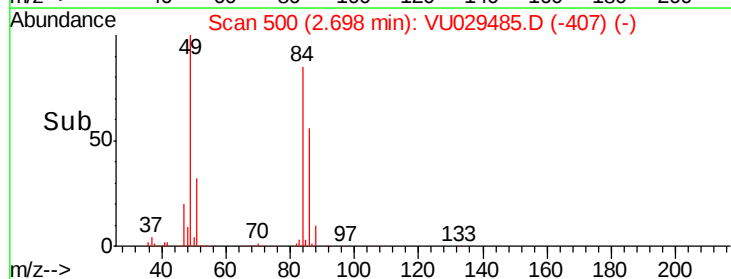
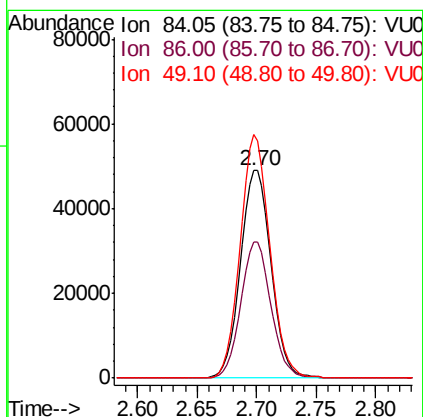
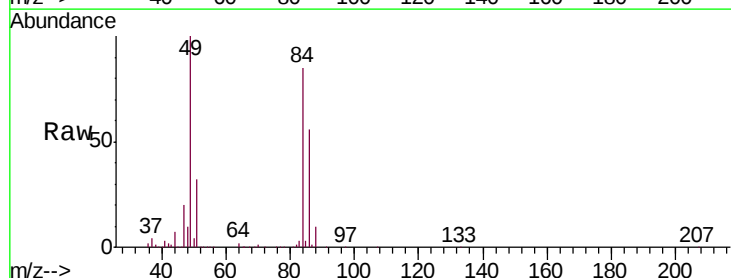
Instrument :
MSVOA_U
ClientSampleId :
VSTD00557

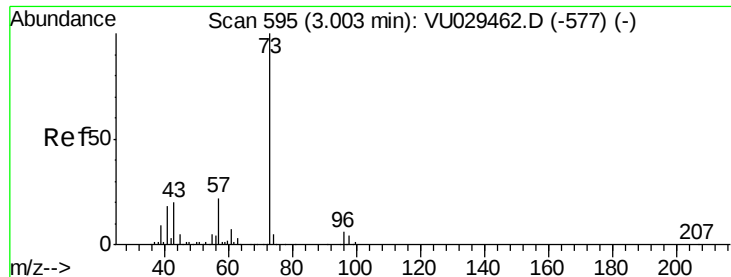
Tgt Ion: 43 Resp: 33589
Ion Ratio Lower Upper
43 100
74 26.5 22.3 33.5



#16
Methylene chloride
Concen: 4.908 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Tgt Ion: 84 Resp: 87416
Ion Ratio Lower Upper
84 100
86 65.6 45.1 83.9
49 117.3 81.8 151.8

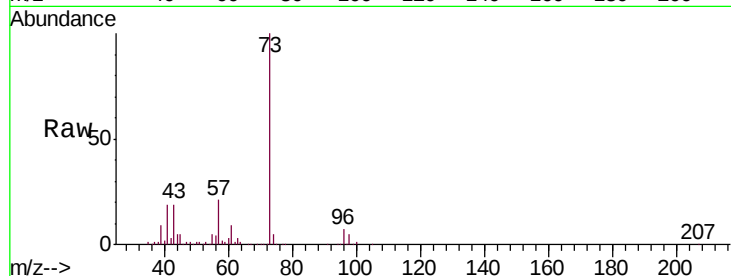




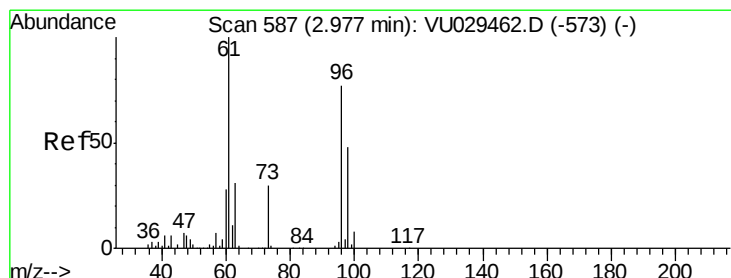
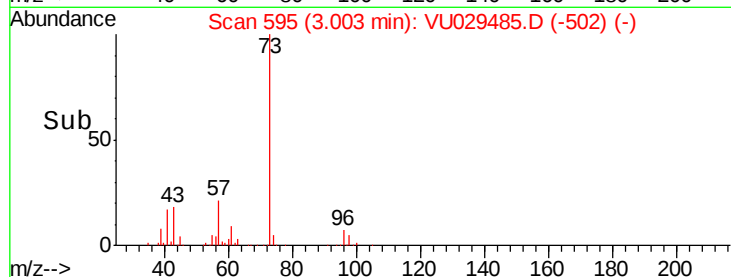
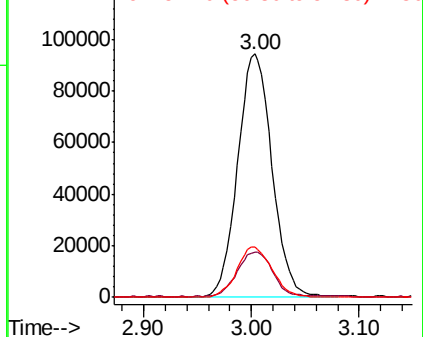
#17
Methyl tert-butyl Ether
Concen: 5.274 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00557

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.4	16.0	24.0
57	20.9	16.9	25.3

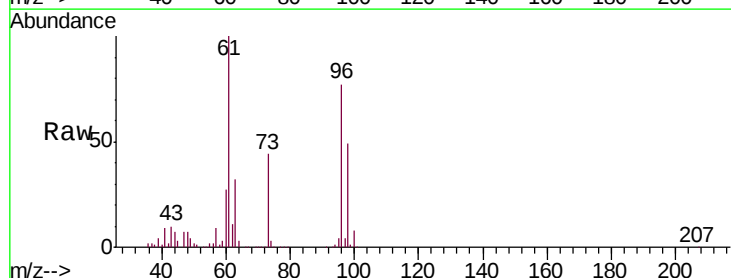


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

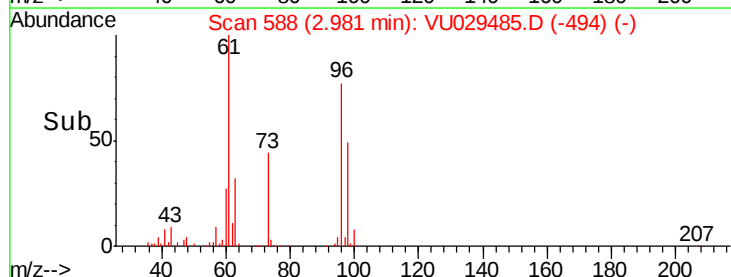
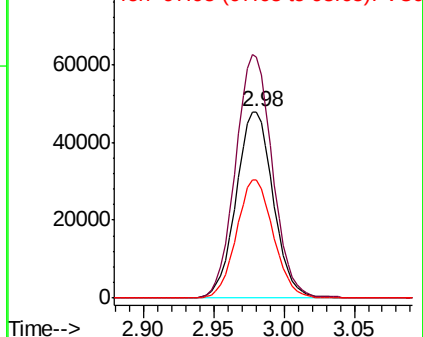


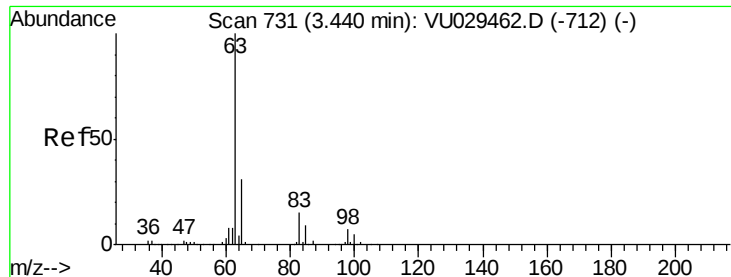
#18
trans-1,2-Dichloroethene
Concen: 5.223 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.6	95.4	177.2
98	63.6	45.8	85.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.822 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00557

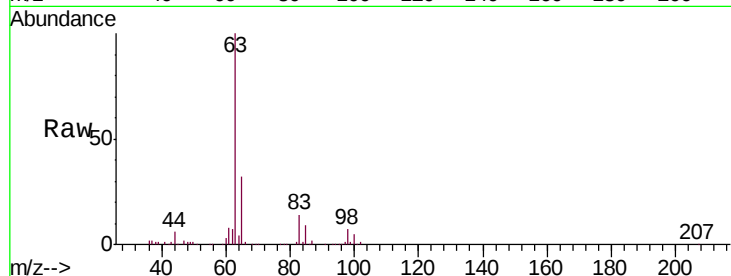
Tgt Ion: 63 Resp: 148213

Ion Ratio Lower Upper

63 100

65 32.4 23.5 43.7

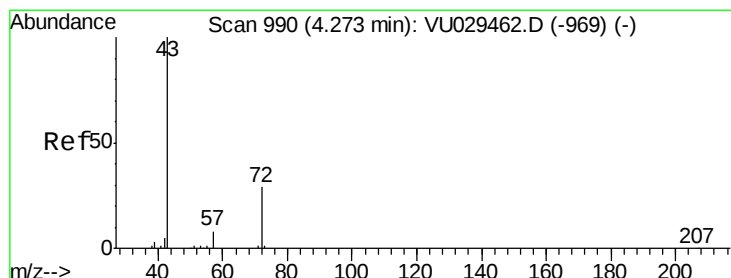
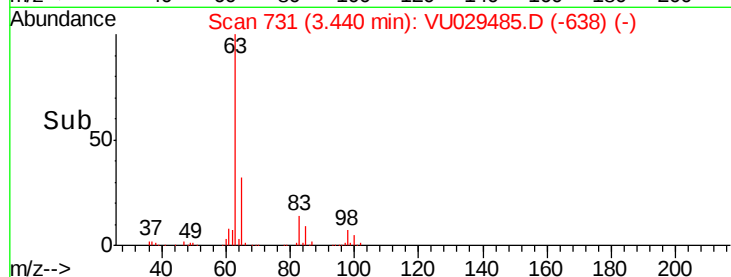
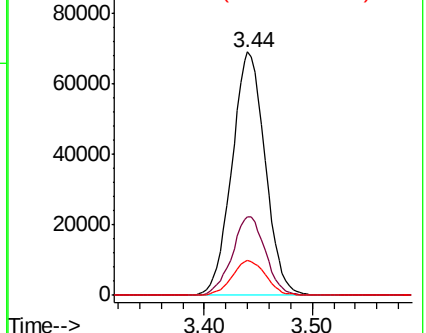
83 14.2 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 51.697 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VU029485.D

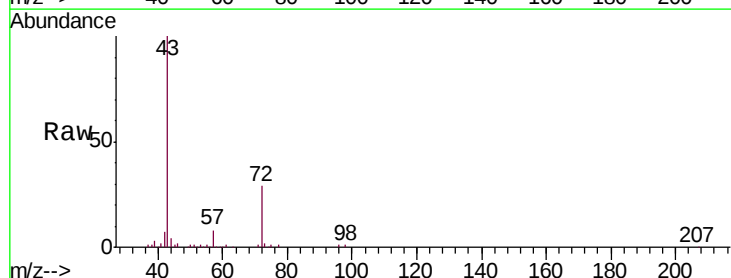
Acq: 15 Feb 2019 03:03

Tgt Ion: 43 Resp: 156117

Ion Ratio Lower Upper

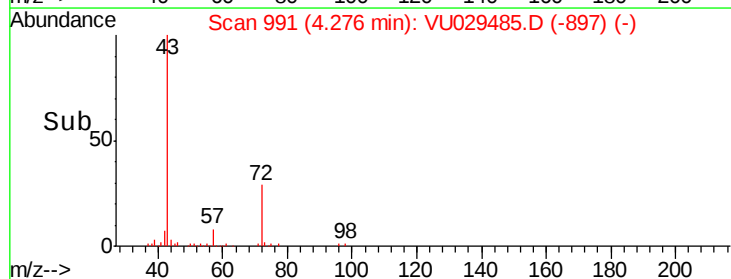
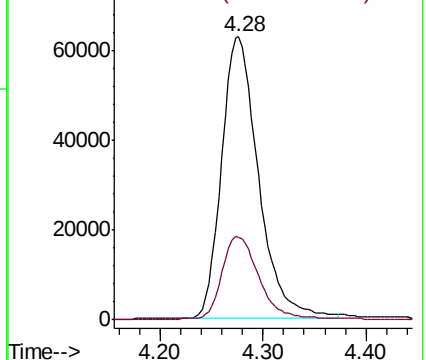
43 100

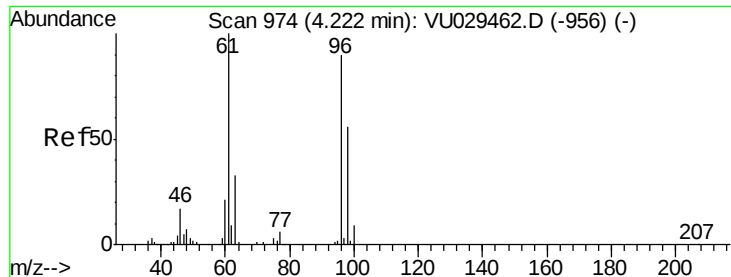
72 29.3 14.7 44.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



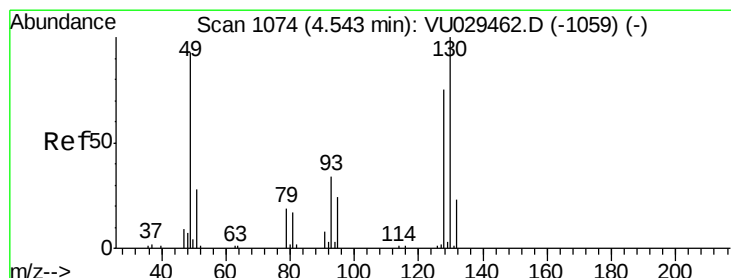
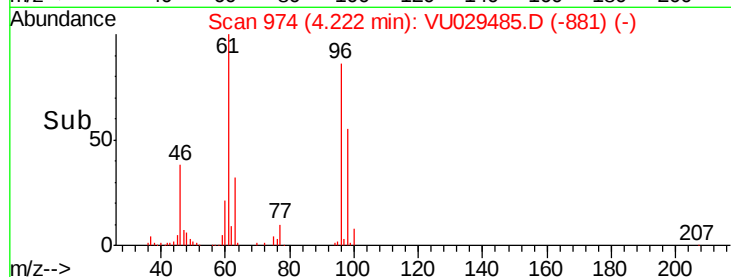
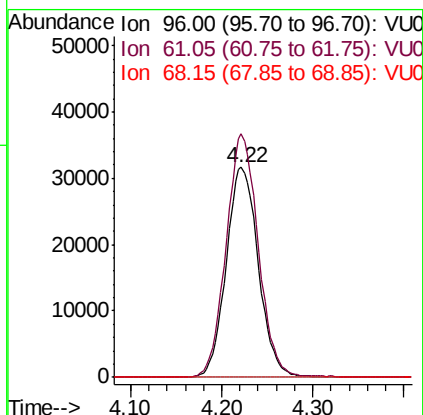
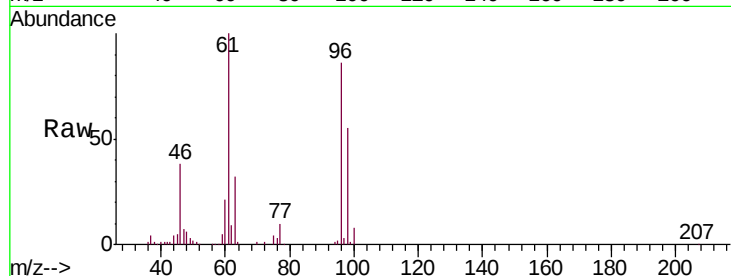


#22

cis-1,2-Dichloroethene
Concen: 5.006 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00557

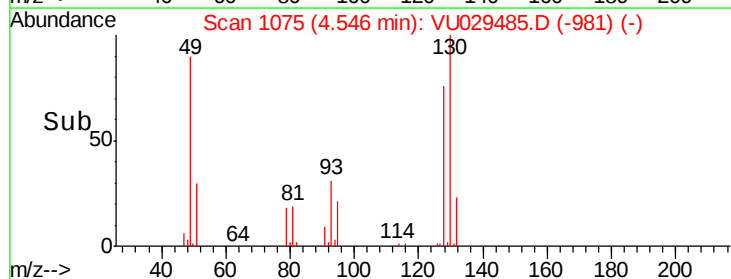
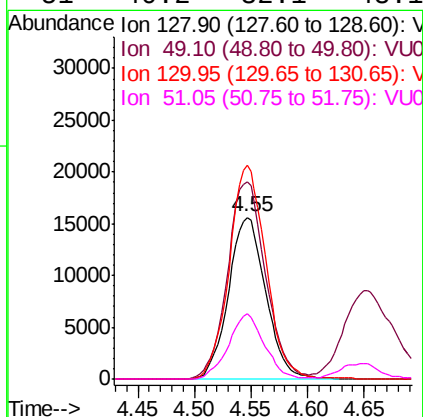
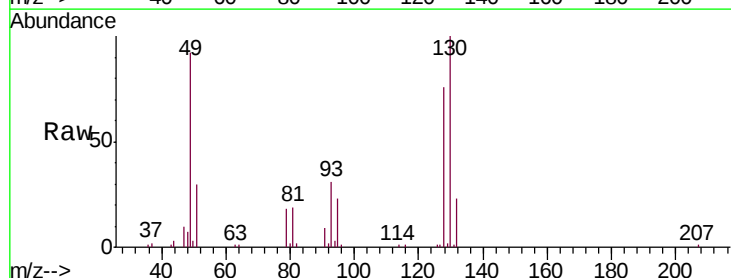
Tgt Ion: 96 Resp: 77814
Ion Ratio Lower Upper
96 100
61 116.0 79.9 148.5
68 0.0 0.0 0.0

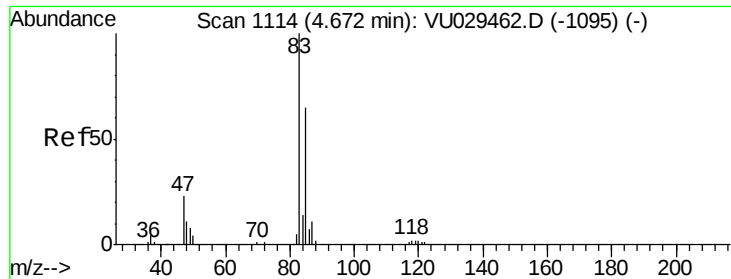


#23

Bromochloromethane
Concen: 5.104 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Tgt Ion: 128 Resp: 35815
Ion Ratio Lower Upper
128 100
49 122.1 89.0 165.4
130 132.2 88.0 163.4
51 40.2 32.1 48.1





#25

Chloroform

Concen: 5.060 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

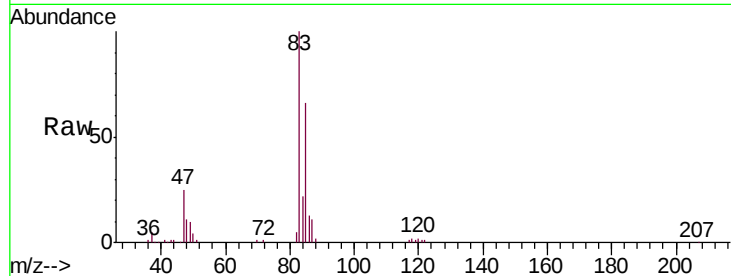
VSTD00557

Tgt Ion: 83 Resp: 128900

Ion Ratio Lower Upper

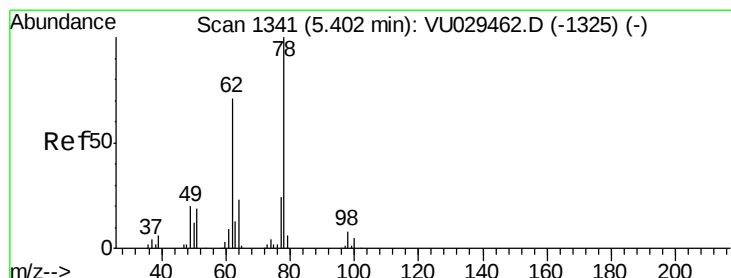
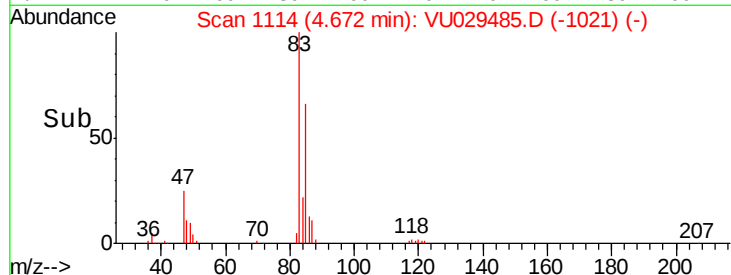
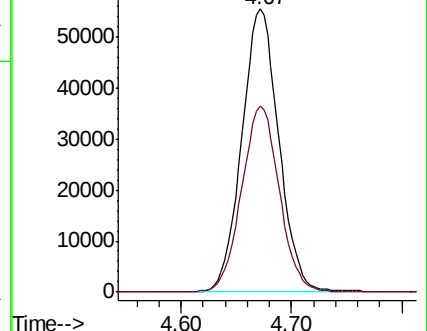
83 100

85 65.6 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 5.083 ug/L

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029485.D

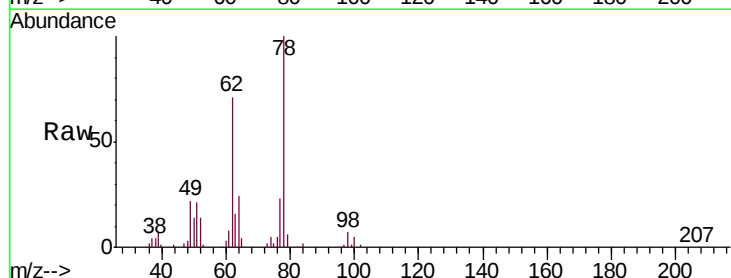
Acq: 15 Feb 2019 03:03

Tgt Ion: 62 Resp: 74915

Ion Ratio Lower Upper

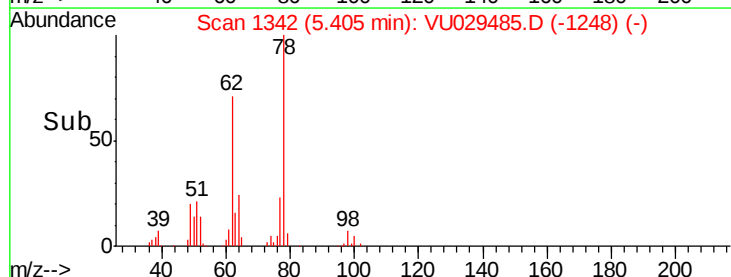
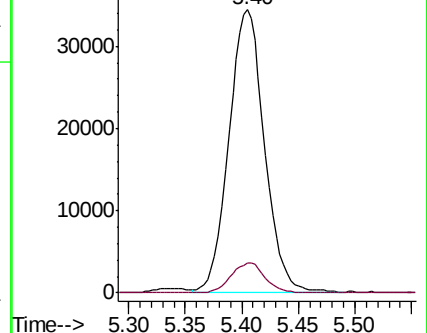
62 100

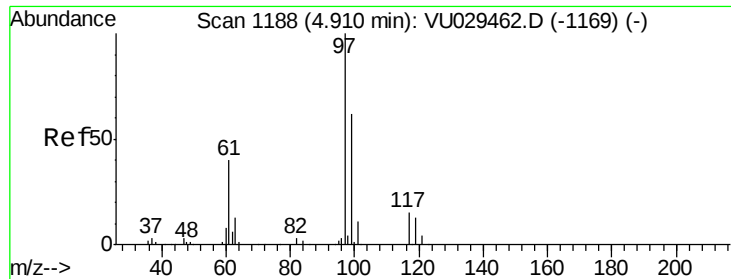
98 10.4 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

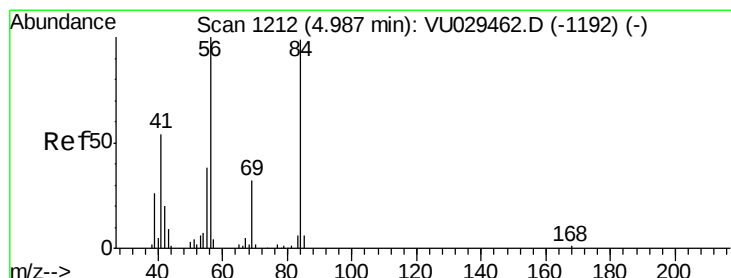
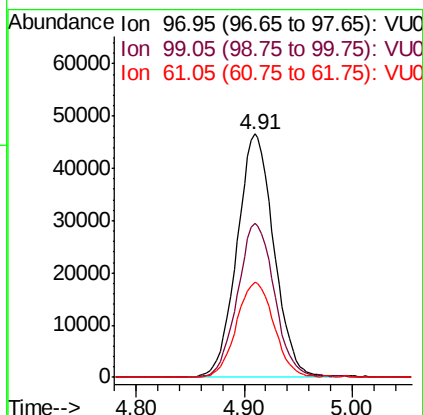
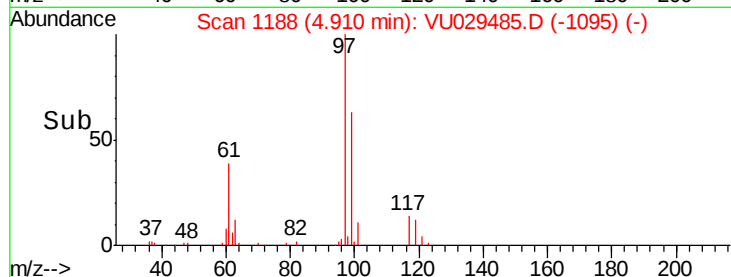
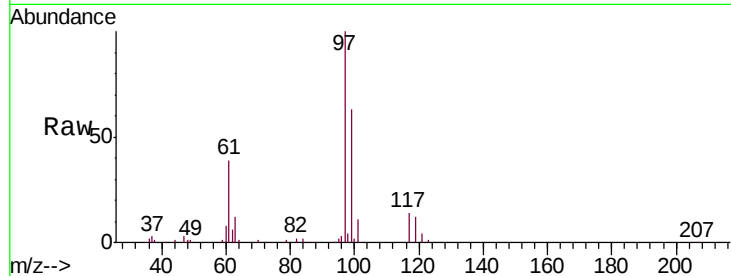




#29
 1,1,1-Trichloroethane
 Concen: 4.733 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029485.D
 Acq: 15 Feb 2019 03:03

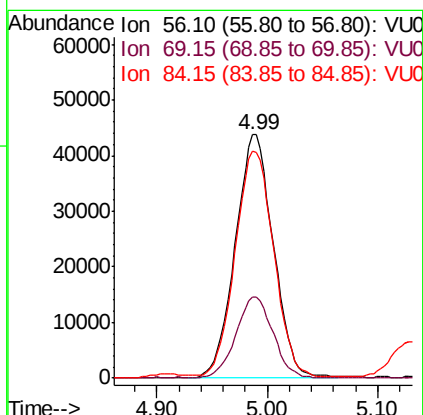
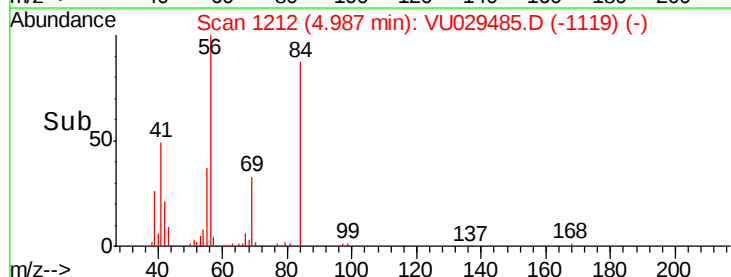
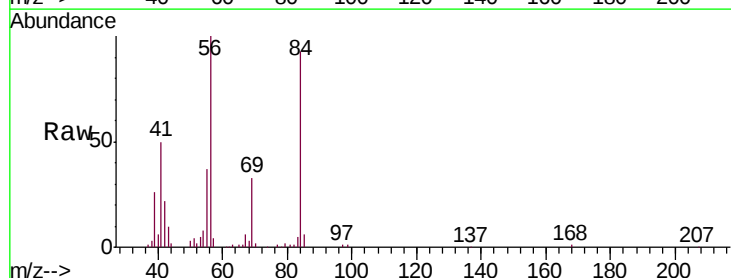
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00557

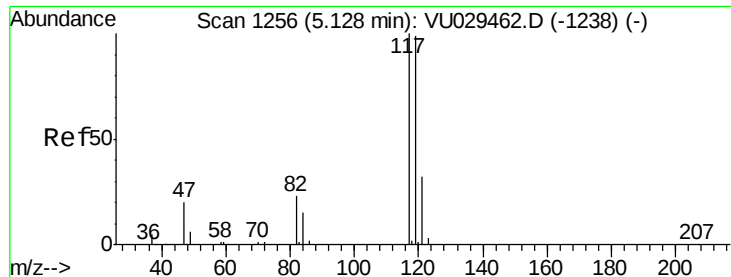
Tgt Ion: 97 Resp: 110736
 Ion Ratio Lower Upper
 97 100
 99 63.3 52.2 78.2
 61 39.8 32.0 48.0



#30
 Cyclohexane
 Concen: 4.680 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU029485.D
 Acq: 15 Feb 2019 03:03

Tgt Ion: 56 Resp: 104933
 Ion Ratio Lower Upper
 56 100
 69 32.6 25.8 38.6
 84 94.8 75.0 112.6





#31

Carbon tetrachloride

Concen: 4.683 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

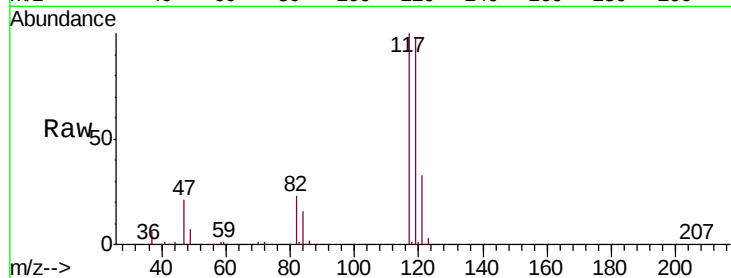
VSTD00557

Tgt Ion:117 Resp: 98990

Ion Ratio Lower Upper

117 100

119 96.5 78.1 117.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

40000

30000

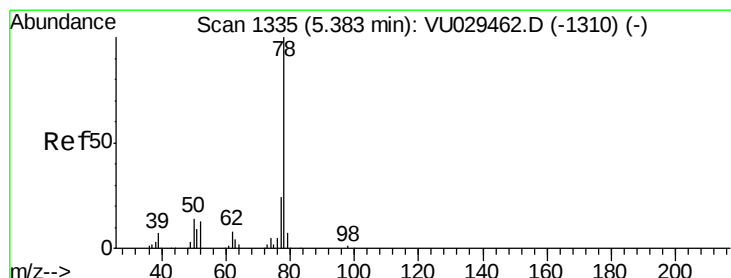
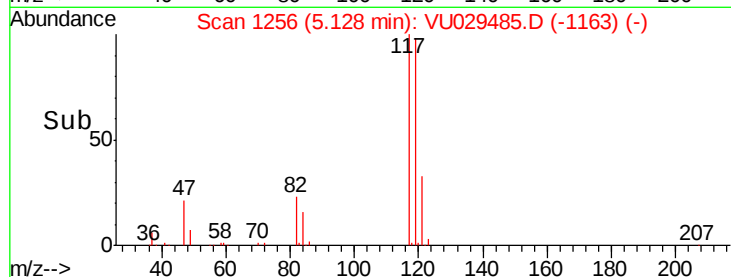
20000

10000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 4.892 ug/L

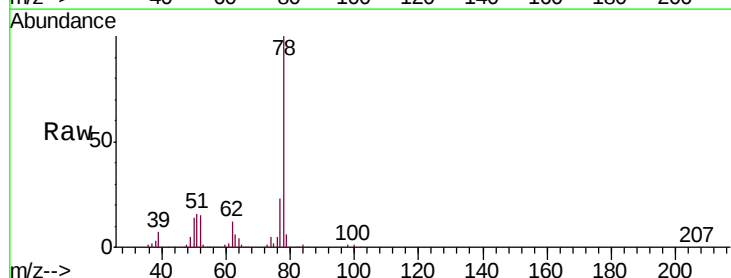
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Tgt Ion: 78 Resp: 272372



Abundance Ion 78.10 (77.80 to 78.80): VU0

150000

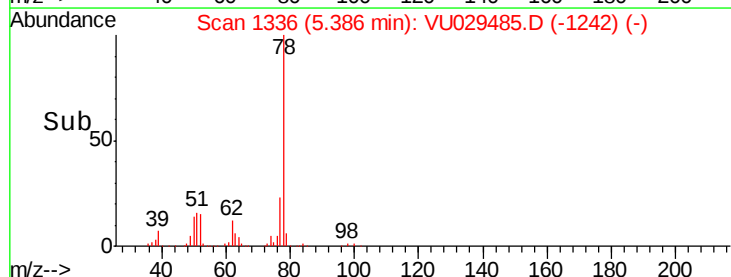
100000

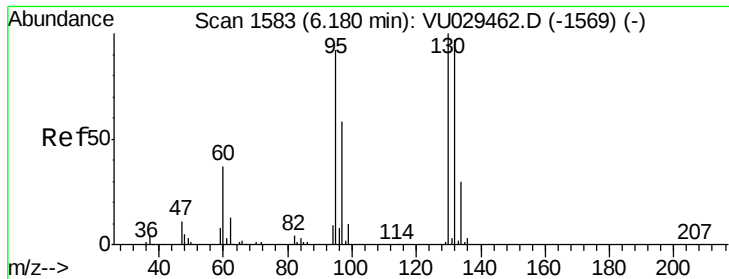
50000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 4.683 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00557

Tgt Ion: 95 Resp: 73307

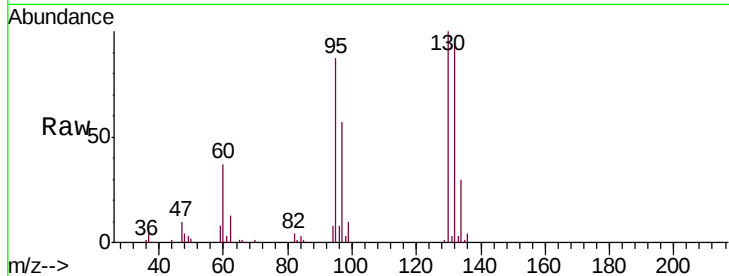
Ion Ratio Lower Upper

95 100

97 66.0 46.3 86.1

132 108.7 72.9 135.3

130 115.5 79.2 147.0

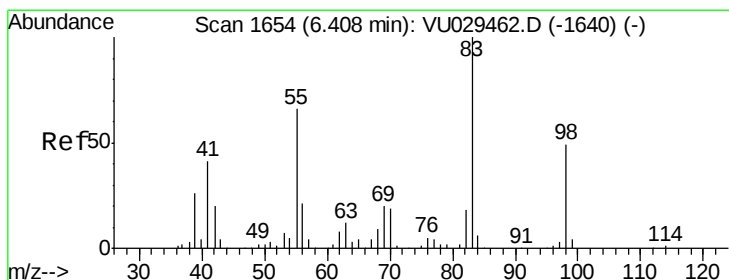
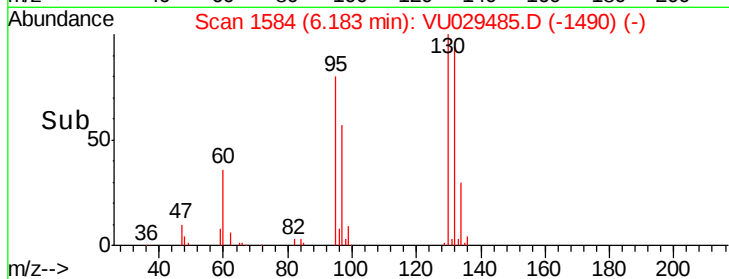
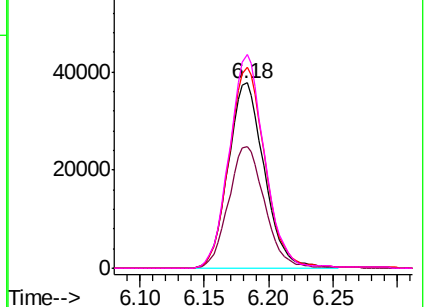


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.642 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

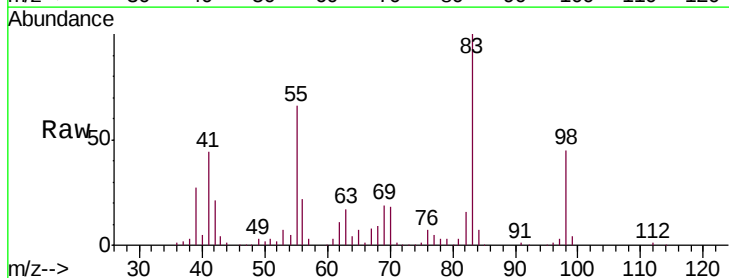
Tgt Ion: 83 Resp: 122240

Ion Ratio Lower Upper

83 100

55 68.7 55.9 83.9

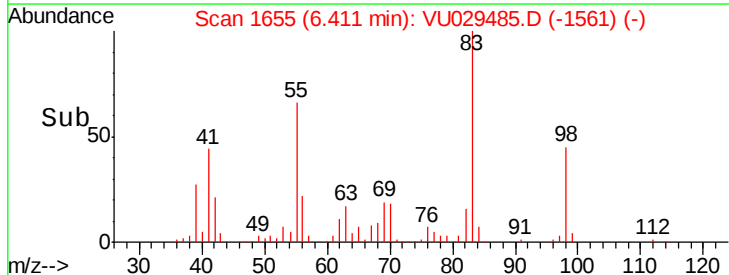
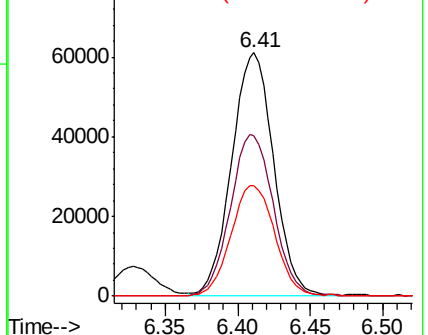
98 47.6 38.6 57.8

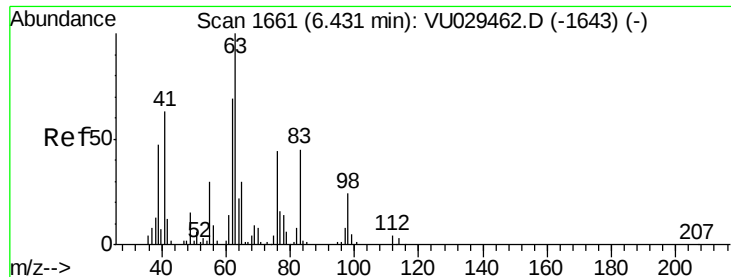


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.941 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

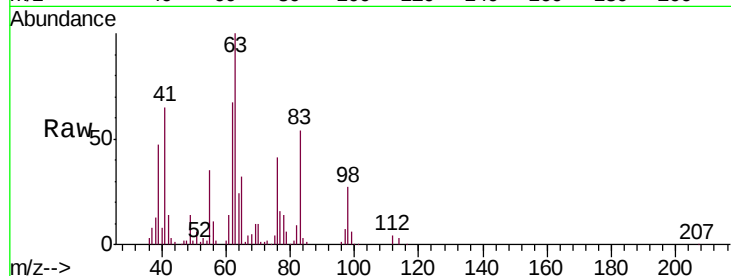
VSTD00557

Tgt Ion: 63 Resp: 68908

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6.43

40000

30000

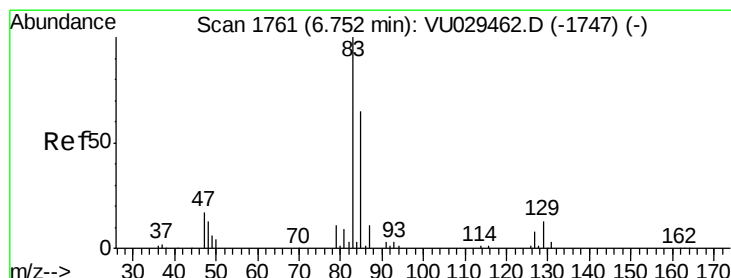
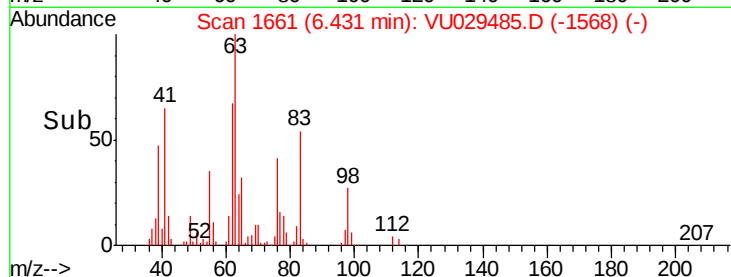
20000

10000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#38

Bromodichloromethane

Concen: 4.644 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

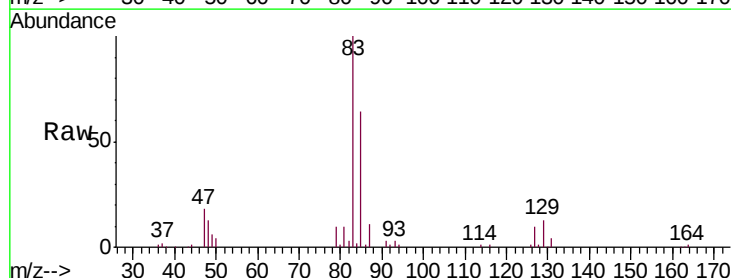
Tgt Ion: 83 Resp: 85589

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

127 9.7 7.8 11.8



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

6.76

60000

50000

40000

30000

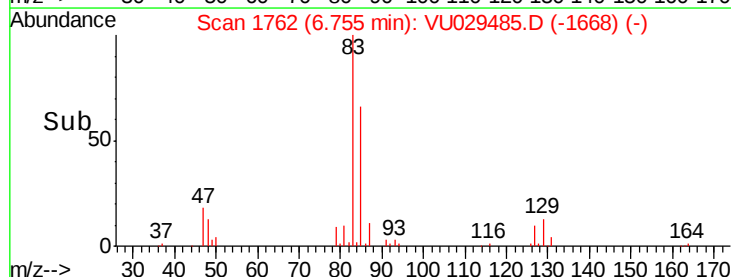
20000

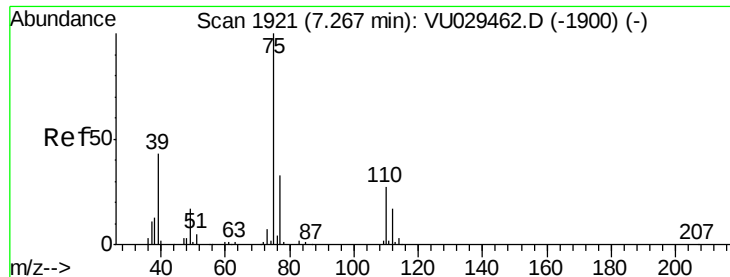
10000

0

6.70 6.75 6.80 6.85

Time-->

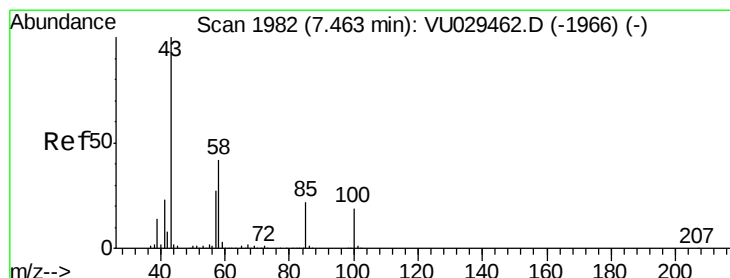
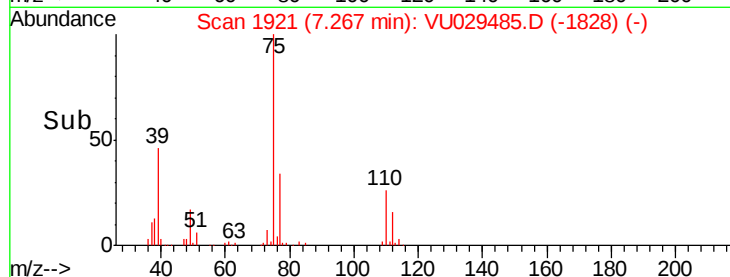
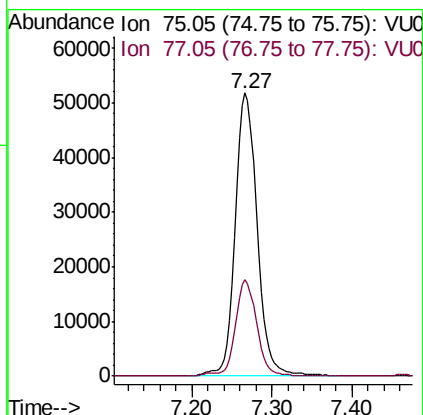
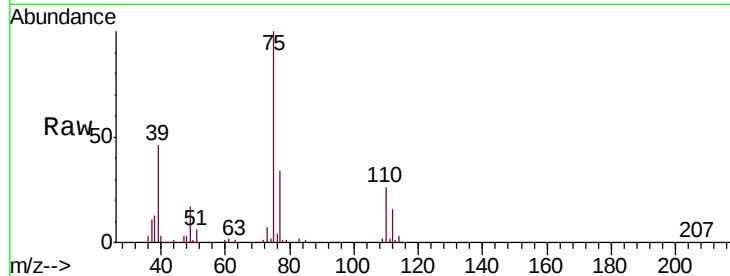




#39
 cis-1,3-Dichloropropene
 Concen: 4.371 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029485.D
 Acq: 15 Feb 2019 03:03

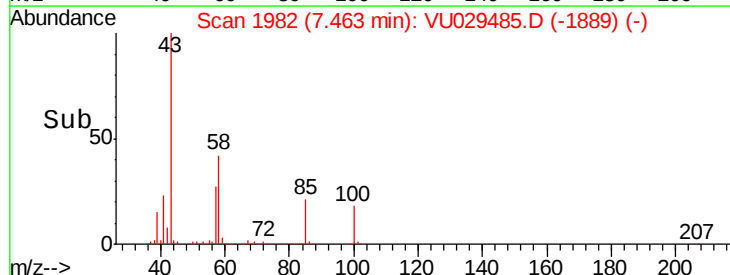
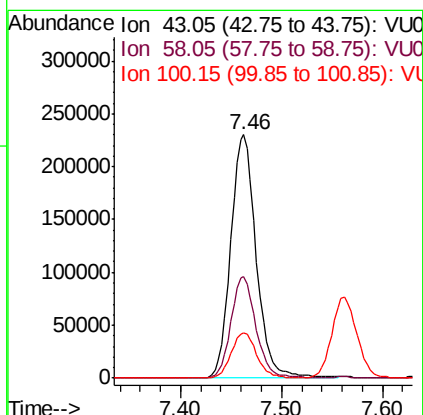
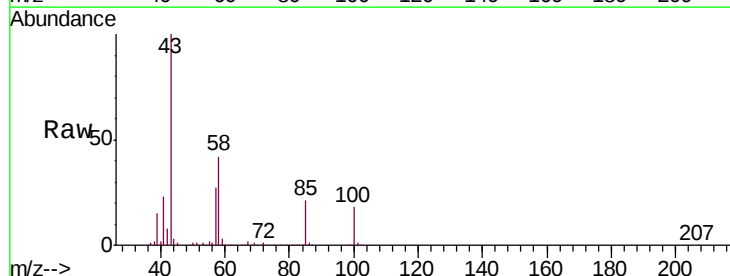
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00557

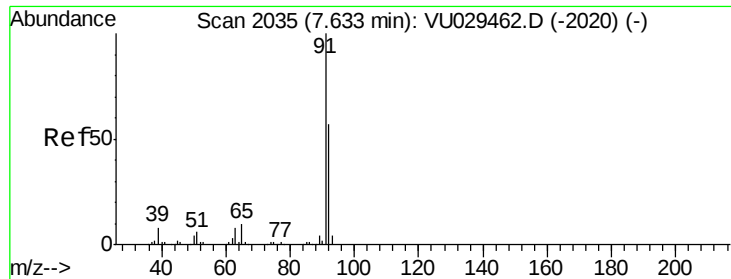
Tgt Ion: 75 Resp: 95932
 Ion Ratio Lower Upper
 75 100
 77 34.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 50.408 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU029485.D
 Acq: 15 Feb 2019 03:03

Tgt Ion: 43 Resp: 405224
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.4 50.2
 100 18.6 14.4 21.6





#42

Toluene

Concen: 4.922 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

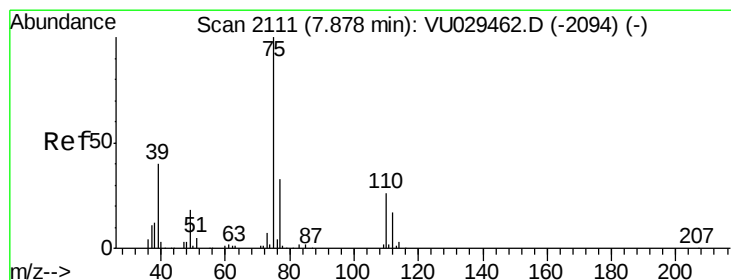
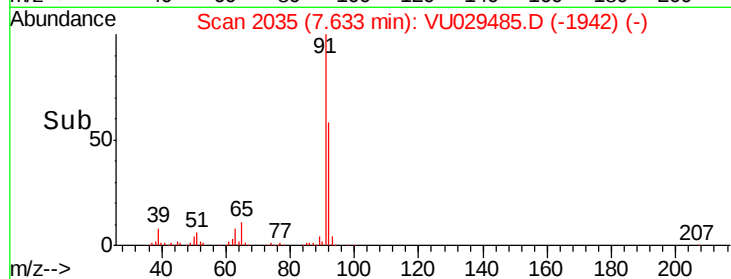
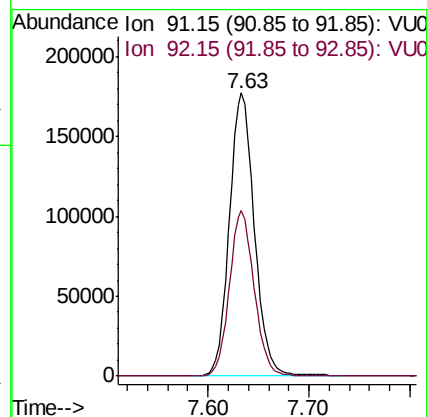
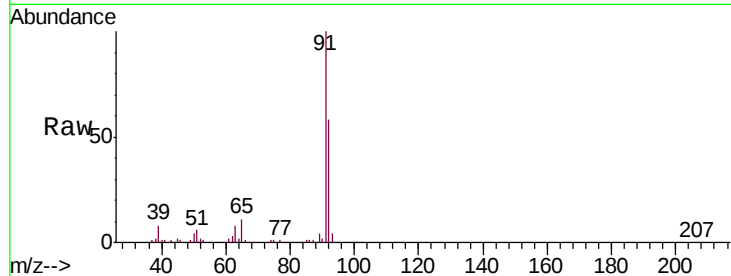
VSTD00557

Tgt Ion: 91 Resp: 307581

Ion Ratio Lower Upper

91 100

92 58.4 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.375 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029485.D

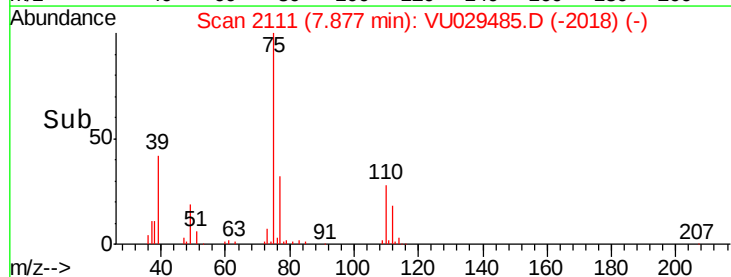
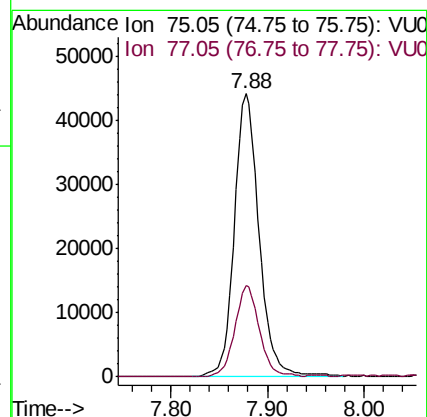
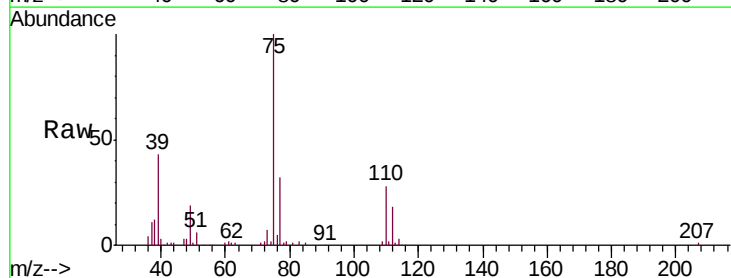
Acq: 15 Feb 2019 03:03

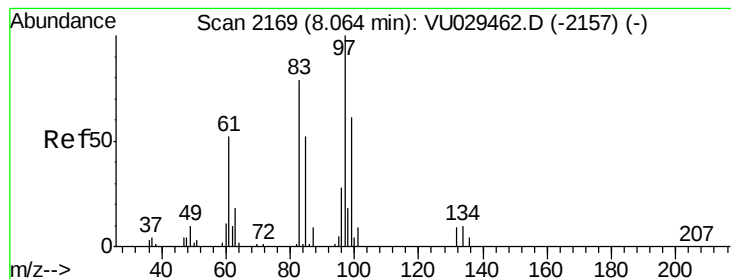
Tgt Ion: 75 Resp: 78855

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 4.976 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00557

Tgt Ion: 97 Resp: 53160

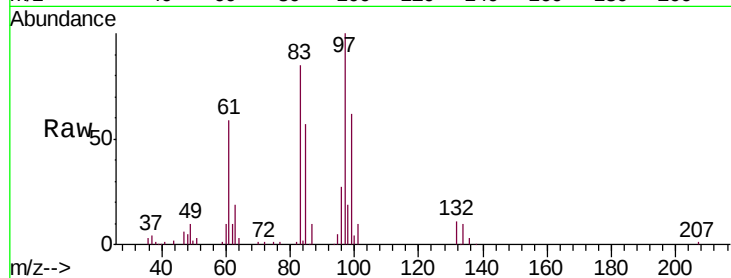
Ion Ratio Lower Upper

97 100

99 62.3 41.6 77.2

83 85.4 55.8 103.6

85 57.0 37.2 69.0



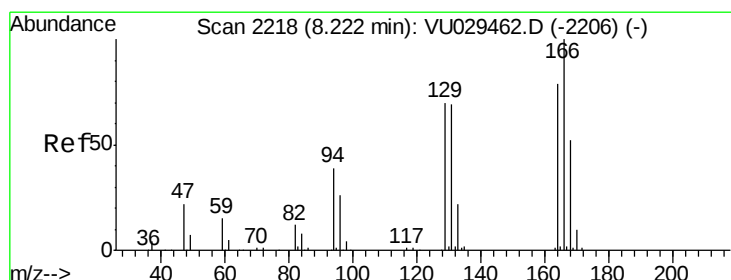
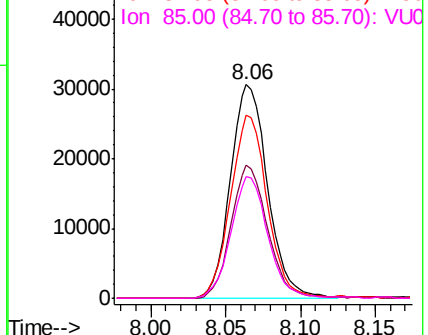
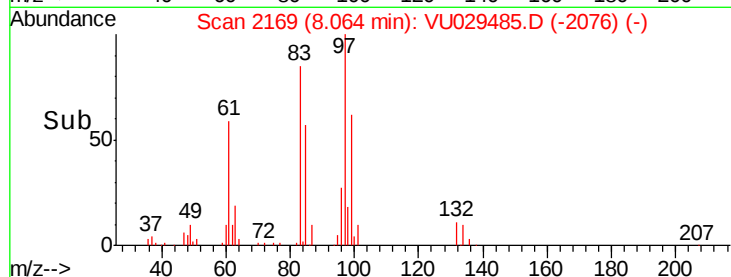
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.897 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Tgt Ion: 164 Resp: 70226

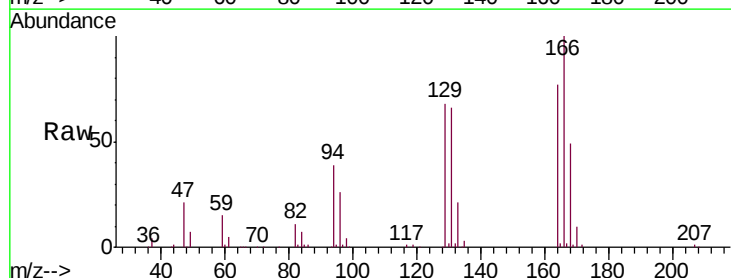
Ion Ratio Lower Upper

164 100

129 87.4 62.9 116.9

131 84.5 62.1 115.3

166 129.0 89.8 166.8



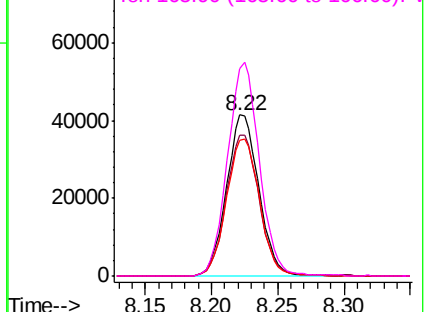
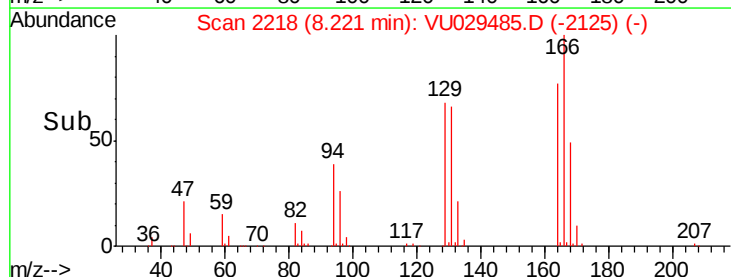
Abundance

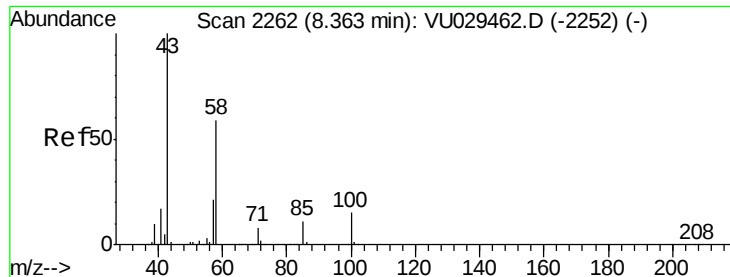
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

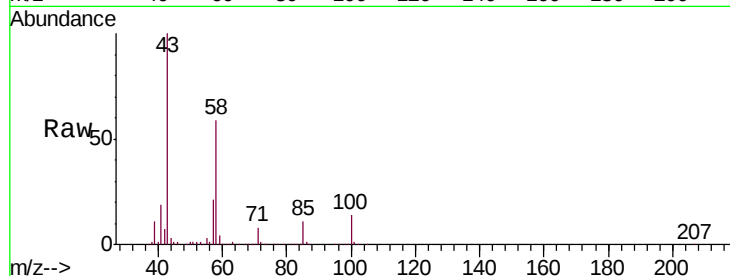




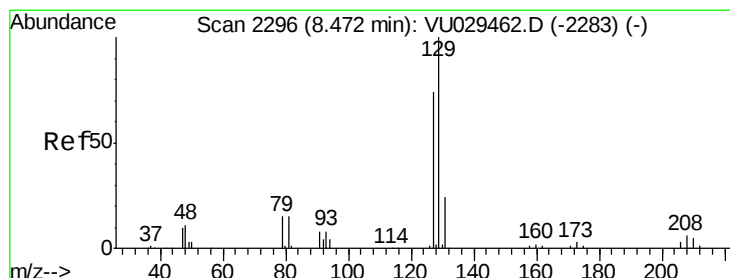
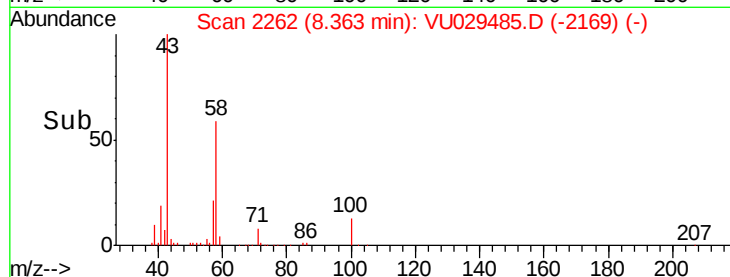
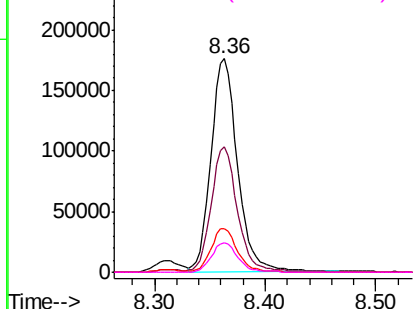
#48
2-Hexanone
Concen: 49.969 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00557

Tgt Ion: 43 Resp: 292765
Ion Ratio Lower Upper
43 100
58 57.9 45.7 68.5
57 20.2 16.4 24.6
100 13.8 11.1 16.7

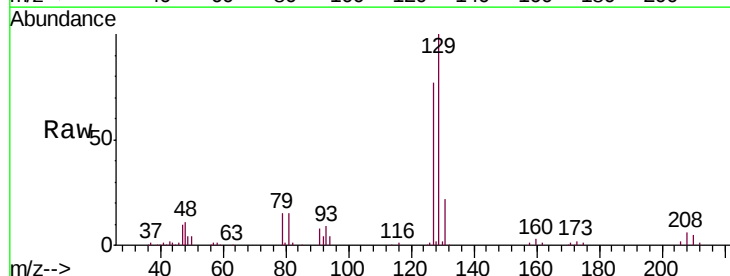


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

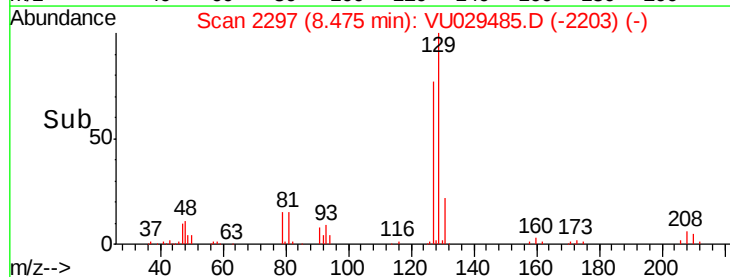
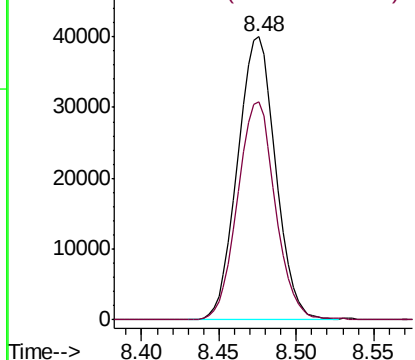


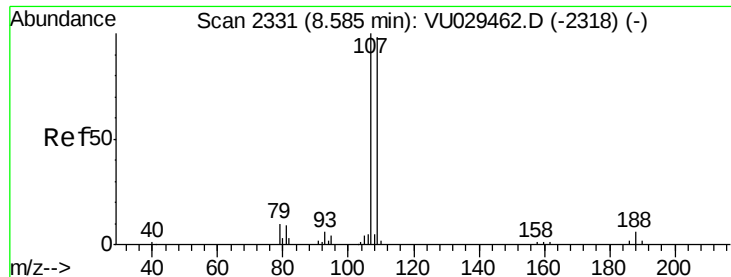
#49
Dibromochloromethane
Concen: 4.758 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Tgt Ion: 129 Resp: 68502
Ion Ratio Lower Upper
129 100
127 77.0 53.3 99.1



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

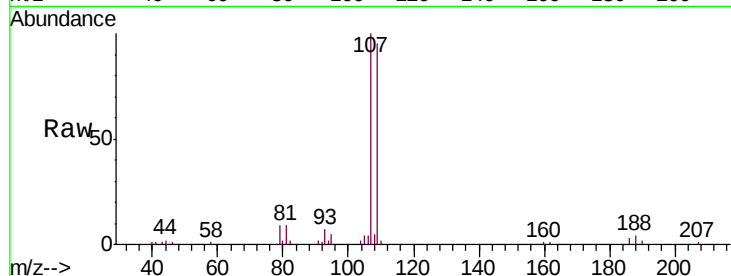




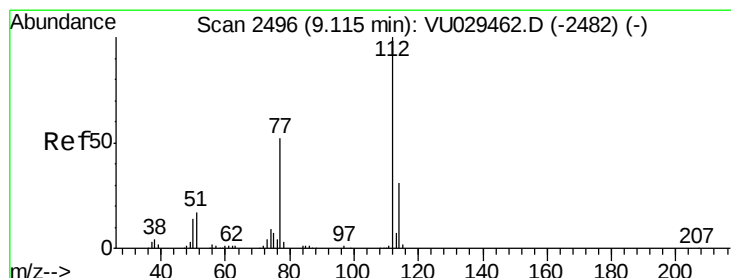
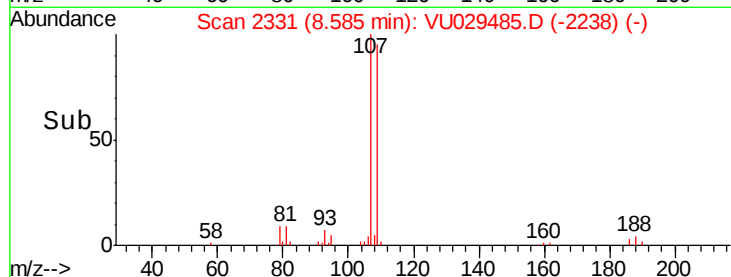
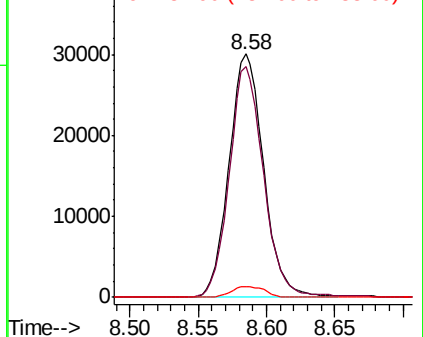
#50
1,2-Dibromoethane
Concen: 5.005 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00557

Tgt Ion:107 Resp: 52911
Ion Ratio Lower Upper
107 100
109 94.7 64.1 119.1
188 4.2 3.7 5.5

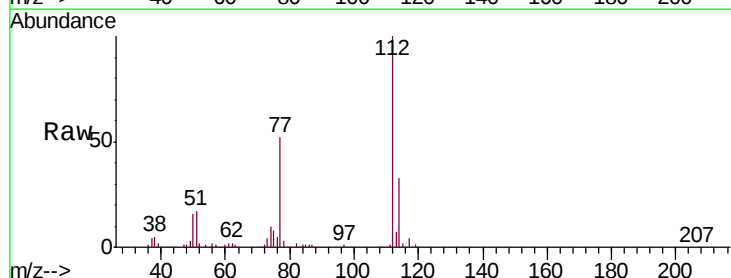


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

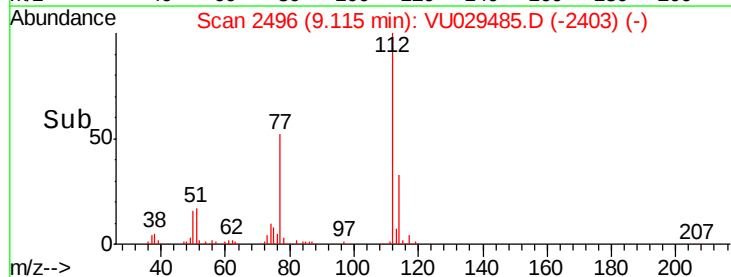
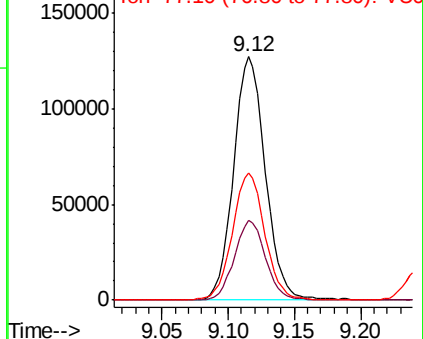


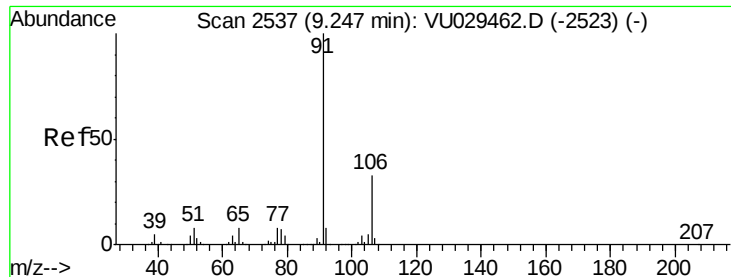
#51
Chlorobenzene
Concen: 4.930 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Tgt Ion:112 Resp: 211874
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 52.3 41.8 62.6



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





#52

Ethylbenzene

Concen: 4.964 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

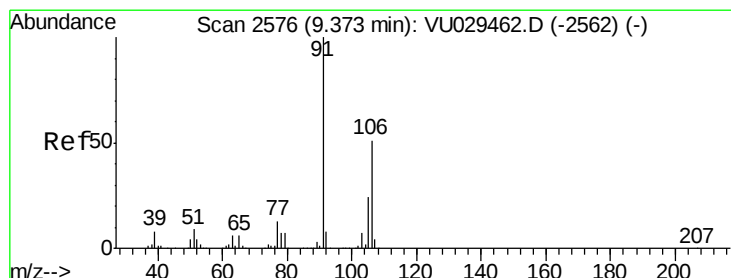
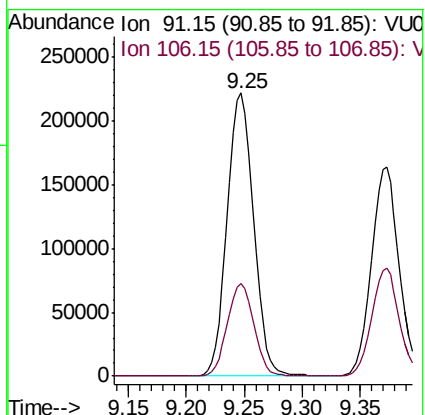
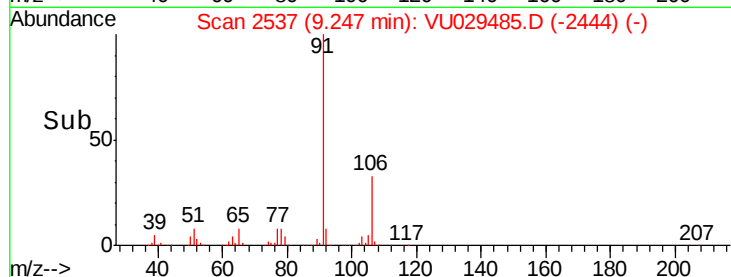
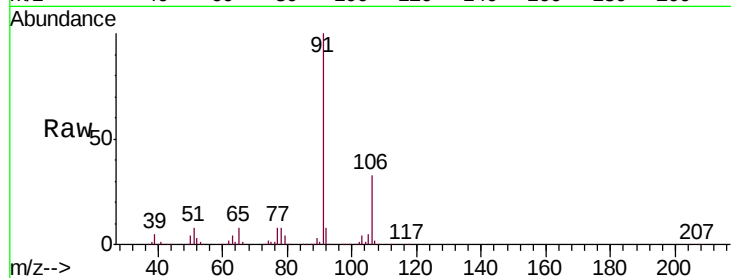
VSTD00557

Tgt Ion: 91 Resp: 351255

Ion Ratio Lower Upper

91 100

106 32.9 22.8 42.4



#53

m,p-xylene

Concen: 4.933 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029485.D

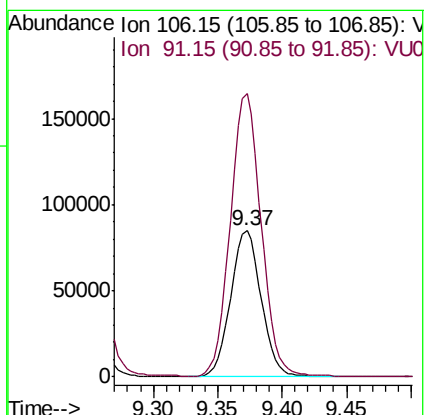
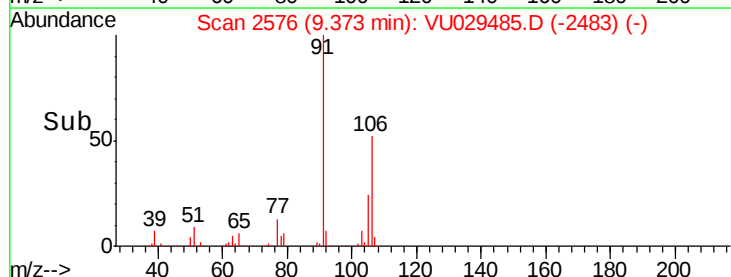
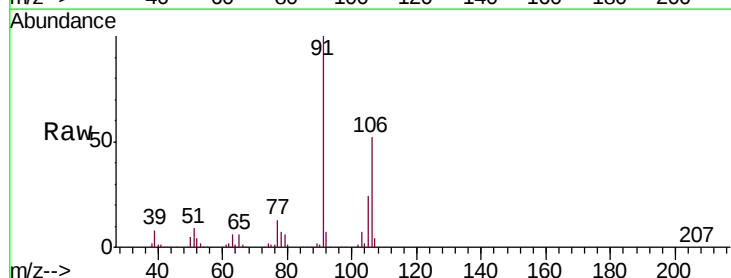
Acq: 15 Feb 2019 03:03

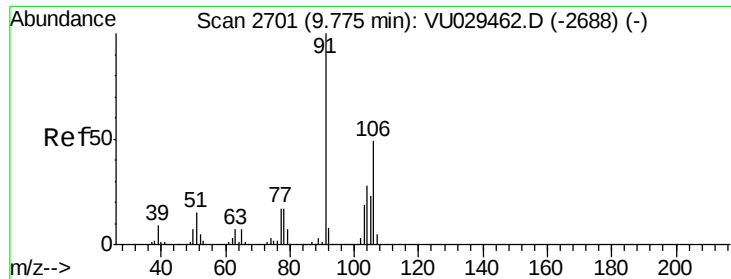
Tgt Ion: 106 Resp: 139208

Ion Ratio Lower Upper

106 100

91 193.5 135.7 251.9





#54

o-xylene

Concen: 5.068 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

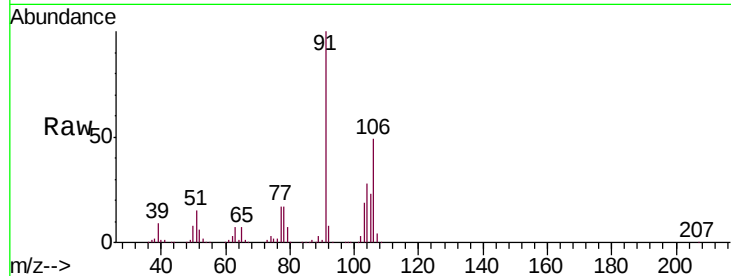
VSTD00557

Tgt Ion:106 Resp: 140379

Ion Ratio Lower Upper

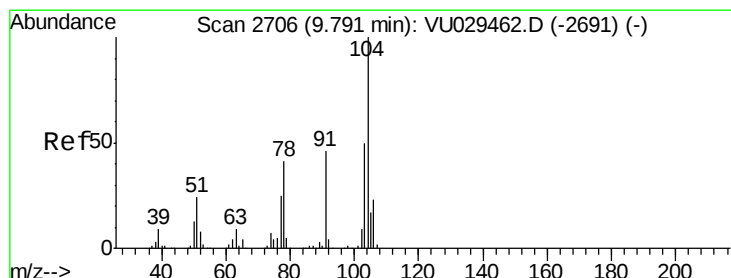
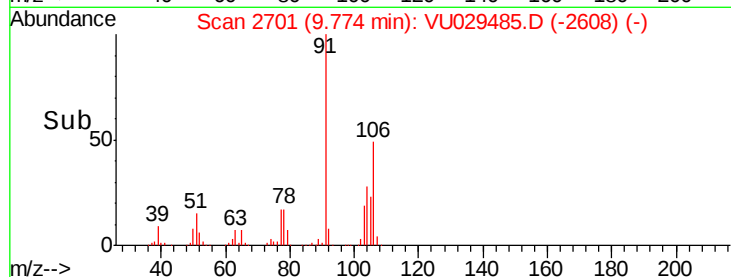
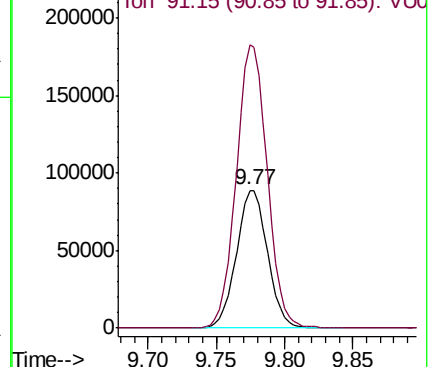
106 100

91 205.7 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.035 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029485.D

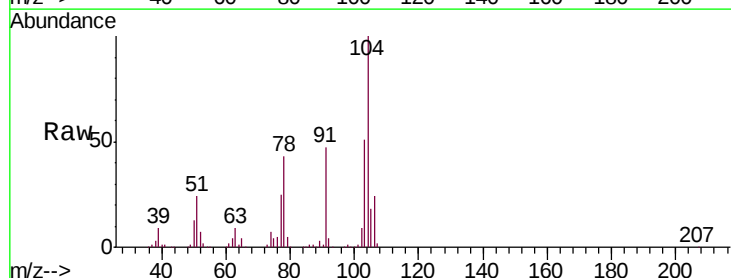
Acq: 15 Feb 2019 03:03

Tgt Ion:104 Resp: 231533

Ion Ratio Lower Upper

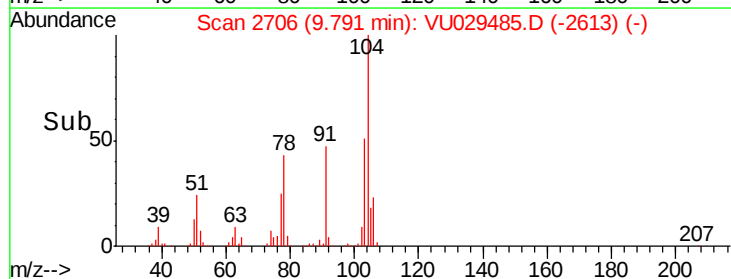
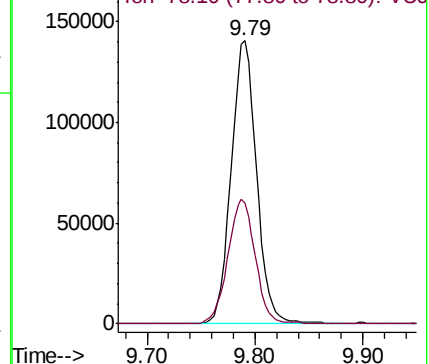
104 100

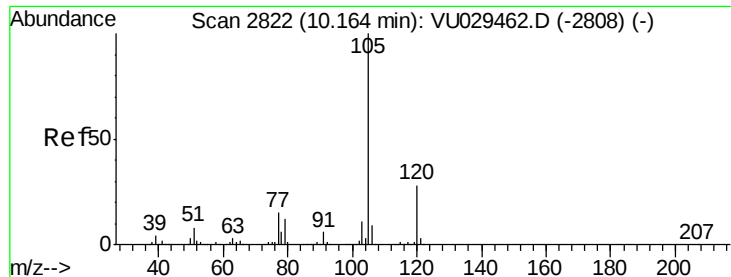
78 42.6 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

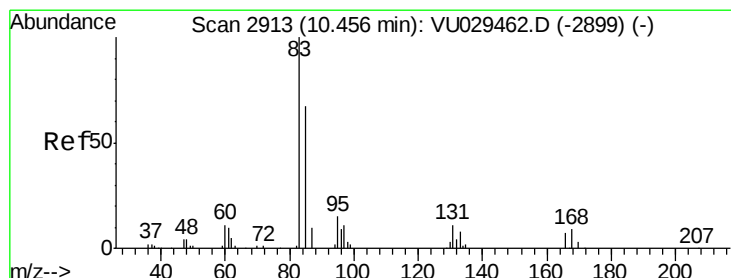
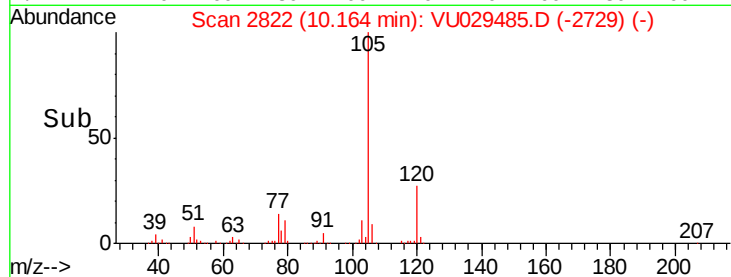
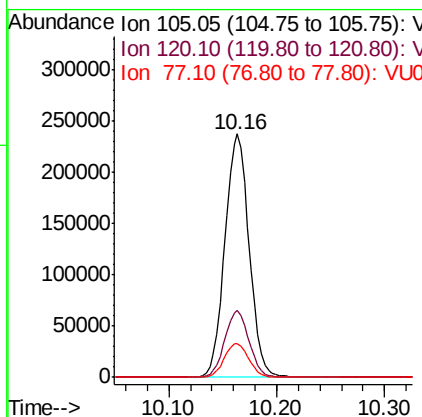
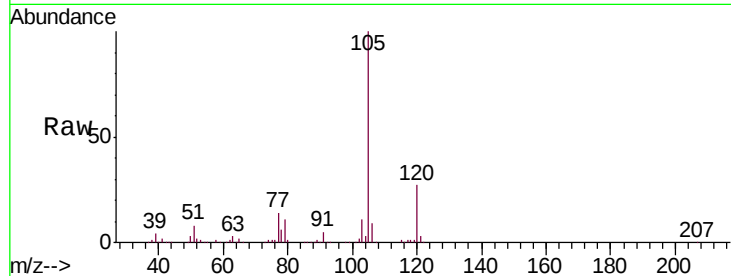




#56
Isopropylbenzene
Concen: 5.085 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

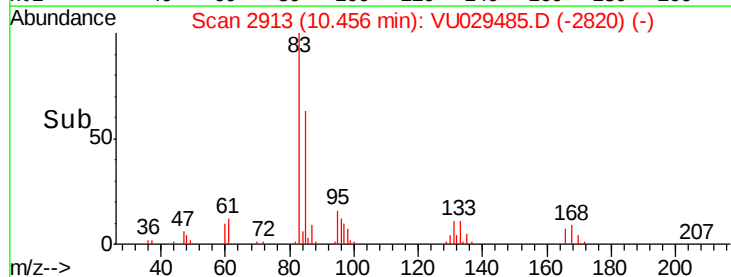
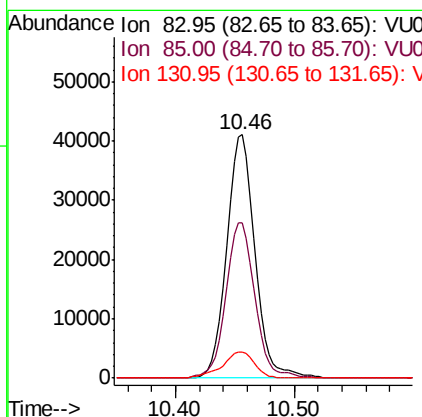
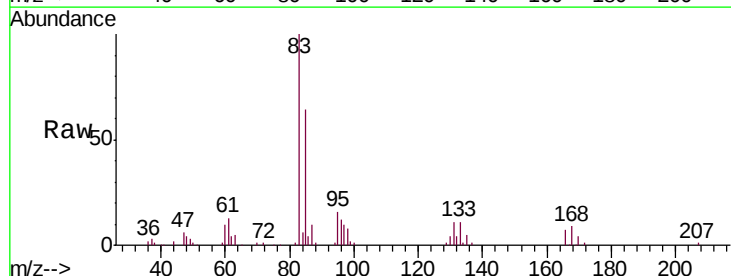
Instrument :
MSVOA_U
ClientSampleId :
VSTD00557

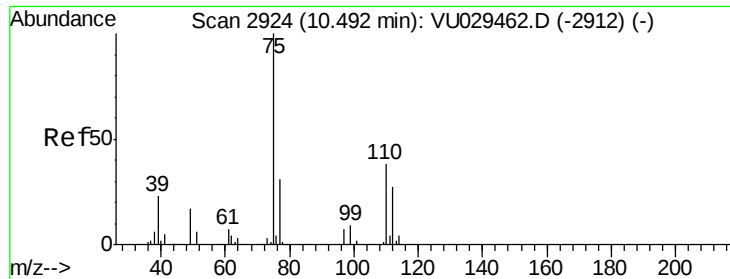
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	22.2	33.4
77	14.2	11.5	17.3



#58
1,1,2,2-Tetrachloroethane
Concen: 5.184 ug/L
RT: 10.46 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VU029485.D
Acq: 15 Feb 2019 03:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	46.5	86.3
131	10.9	8.3	12.5





#59

1,2,3-Trichloropropane

Concen: 5.175 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

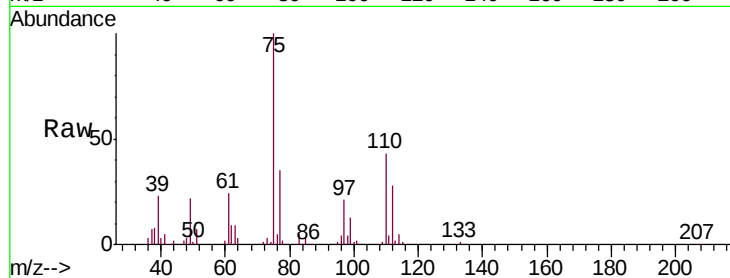
VSTD00557

Tgt Ion: 75 Resp: 46292

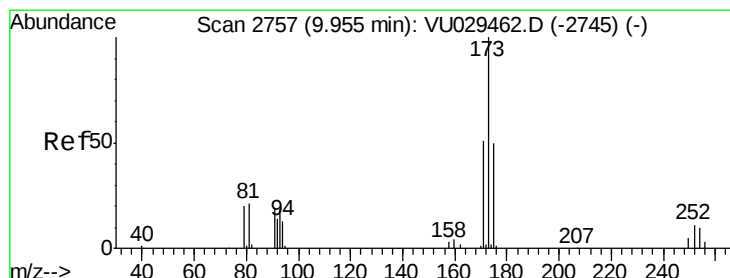
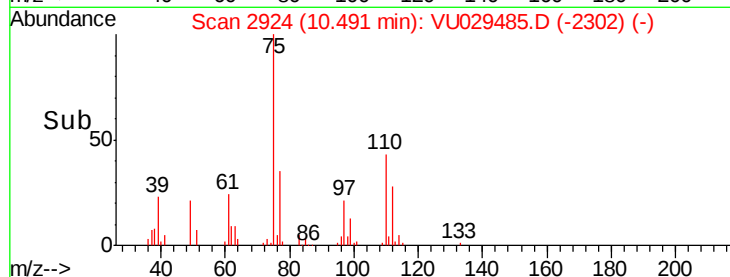
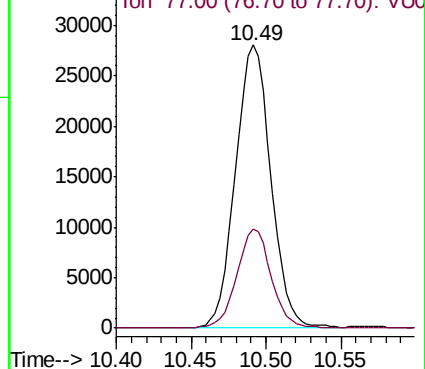
Ion Ratio Lower Upper

75 100

77 34.1 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029462.D (-2912) (-)



#61

Bromoform

Concen: 4.582 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

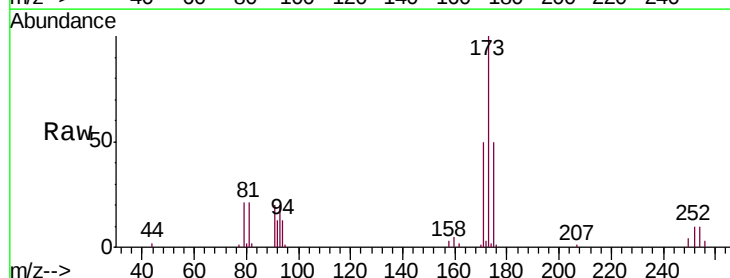
Tgt Ion: 173 Resp: 41042

Ion Ratio Lower Upper

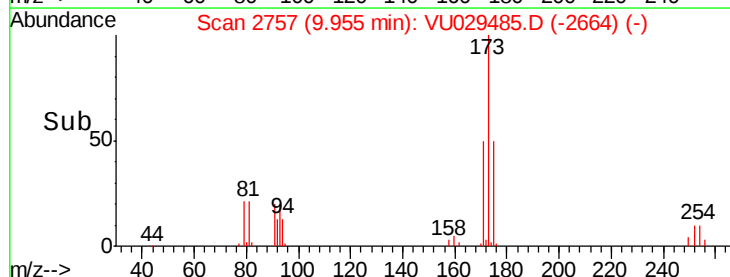
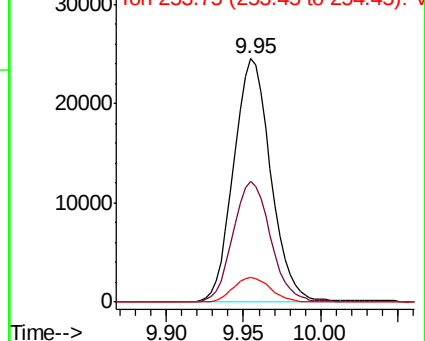
173 100

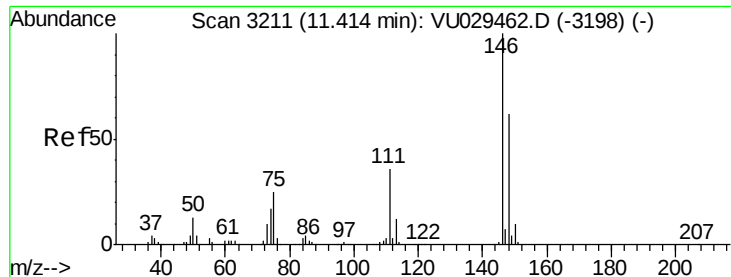
175 50.0 39.2 58.8

254 9.9 7.8 11.6



Abundance Ion 172.90 (172.60 to 173.60): VU029462.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 4.897 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00557

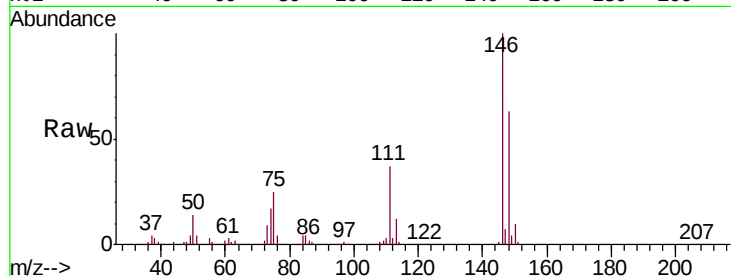
Tgt Ion:146 Resp: 183568

Ion Ratio Lower Upper

146 100

111 37.0 26.1 48.5

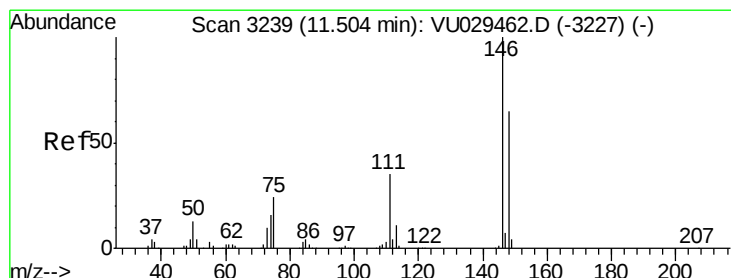
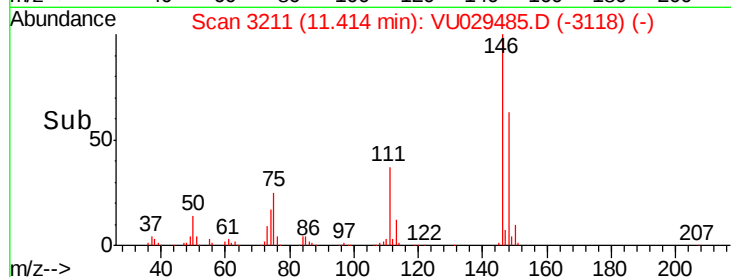
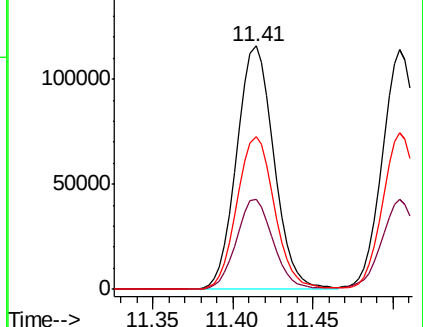
148 62.8 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.904 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

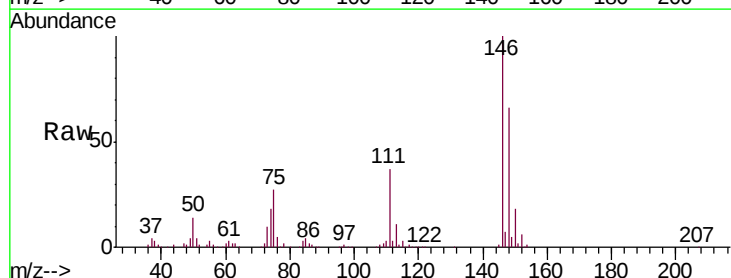
Tgt Ion:146 Resp: 183578

Ion Ratio Lower Upper

146 100

111 37.4 25.6 47.6

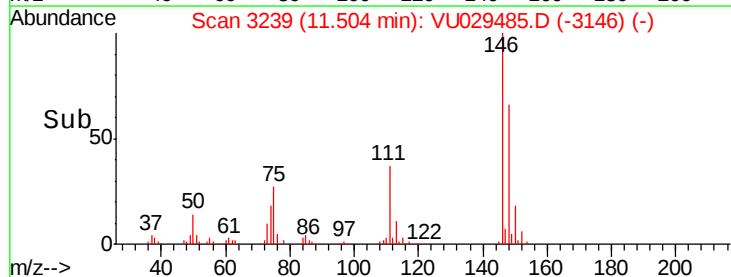
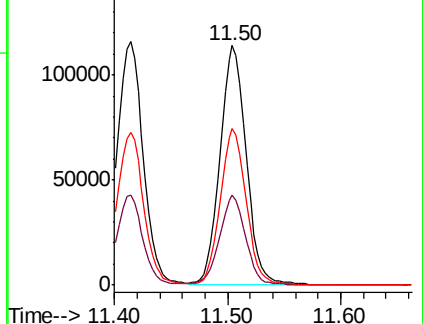
148 65.6 44.2 82.0

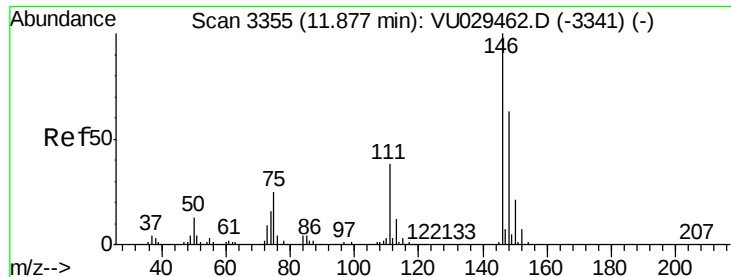


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

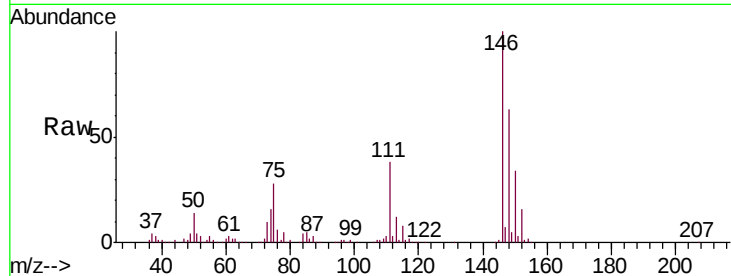




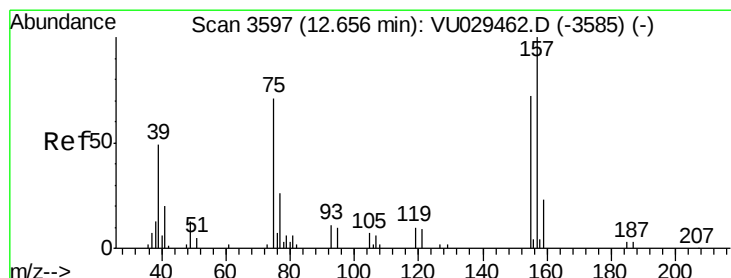
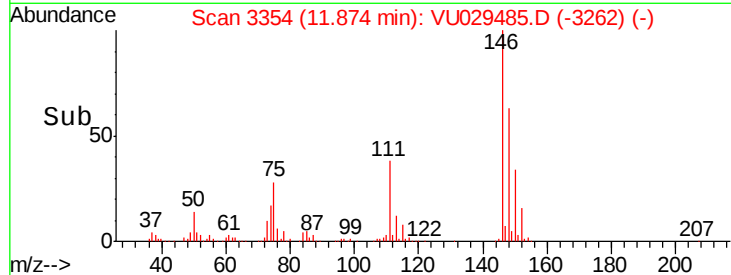
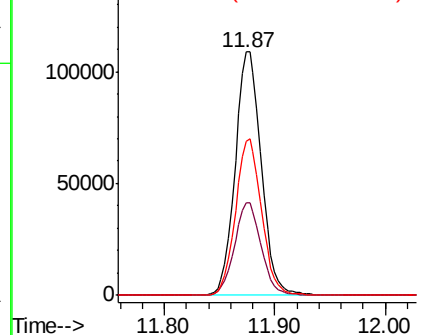
#65
 1,2-Dichlorobenzene
 Concen: 5.052 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029485.D
 Acq: 15 Feb 2019 03:03

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00557

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	30.9	46.3
148	63.1	51.0	76.4

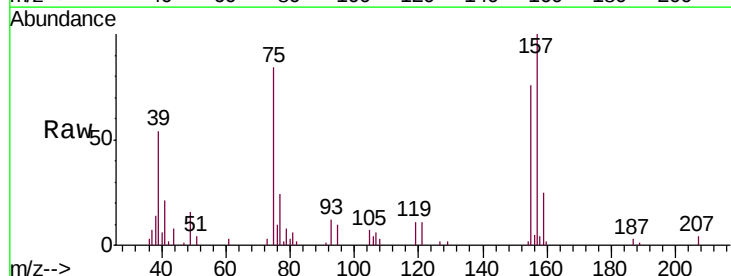


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

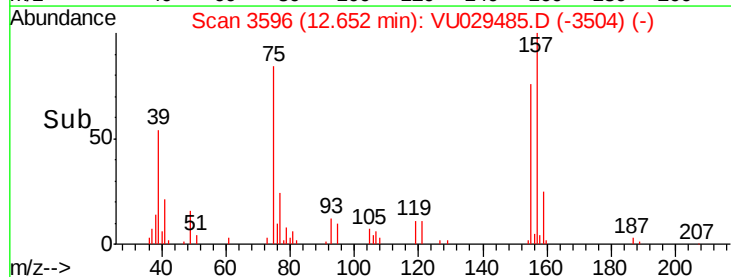
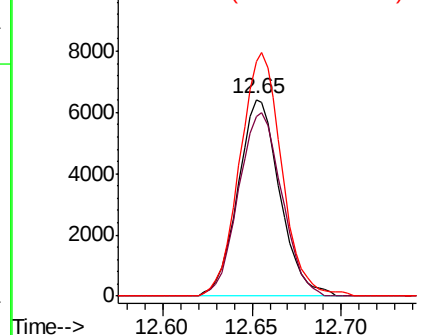


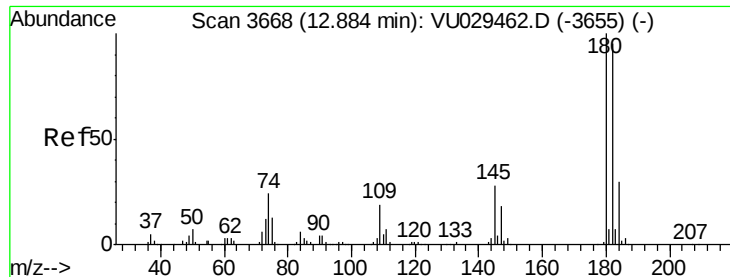
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.764 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029485.D
 Acq: 15 Feb 2019 03:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	75.3	112.9
157	119.5	103.0	154.4



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

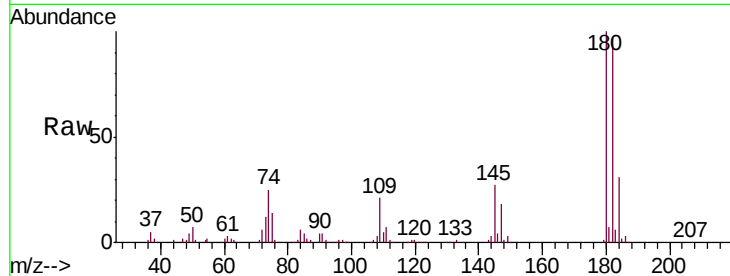




#67
 1,3,5-Trichlorobenzene
 Concen: 4.761 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029485.D
 Acq: 15 Feb 2019 03:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00557

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.0	114.0
184	30.5	24.1	36.1
145	27.2	22.6	34.0



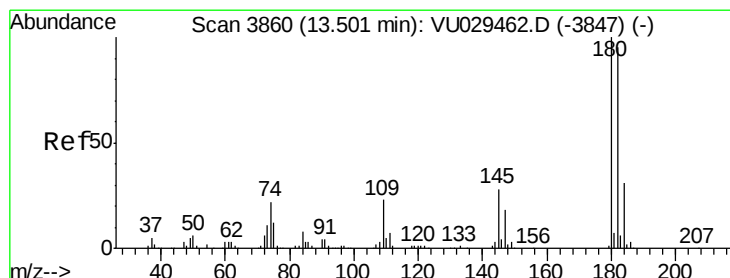
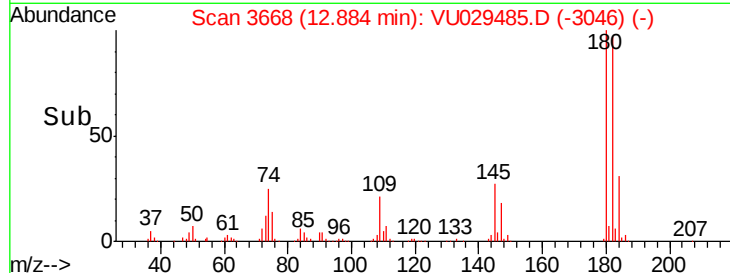
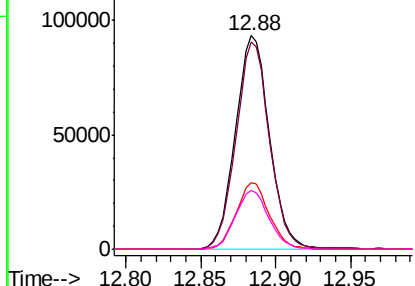
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

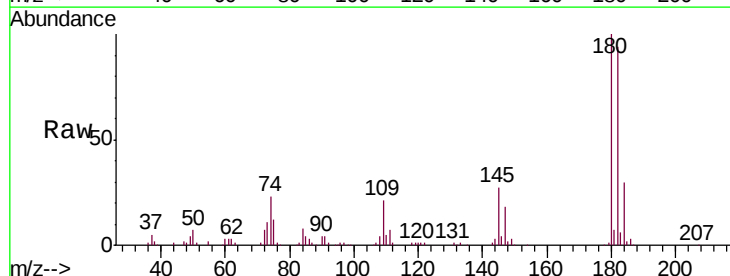
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.776 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029485.D
 Acq: 15 Feb 2019 03:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.1	115.7
145	27.3	23.1	34.7

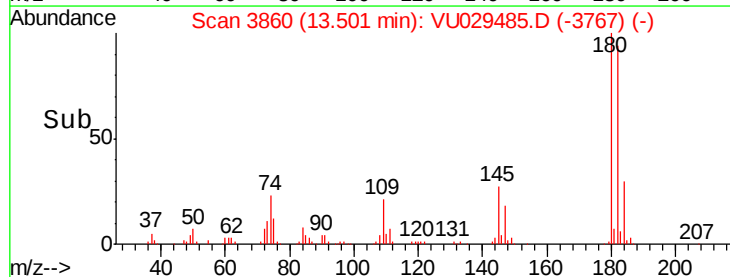
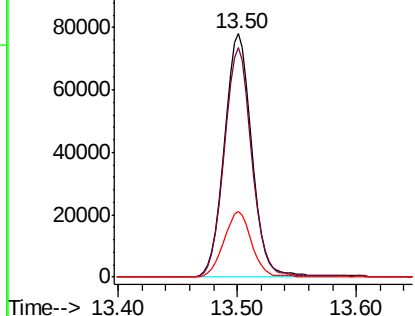


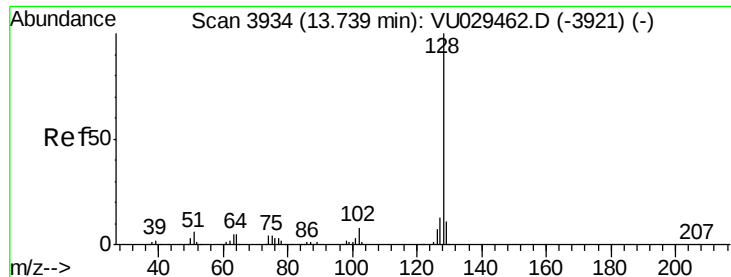
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.798 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00557

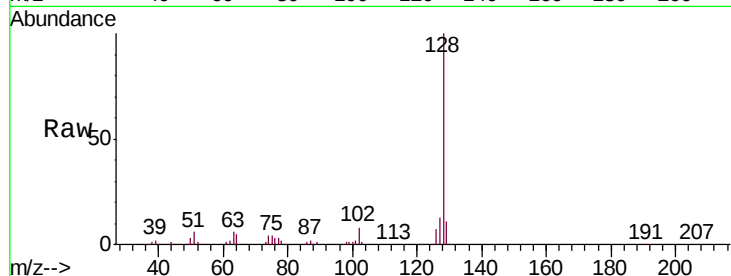
Tgt Ion:128 Resp: 217060

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

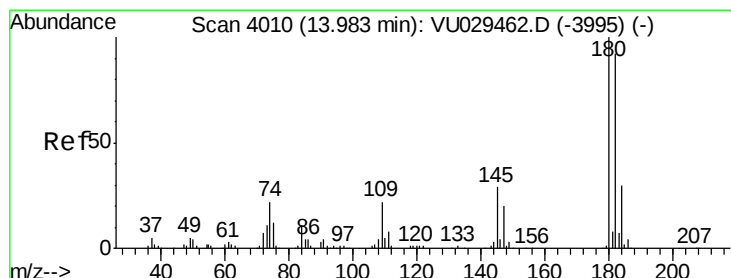
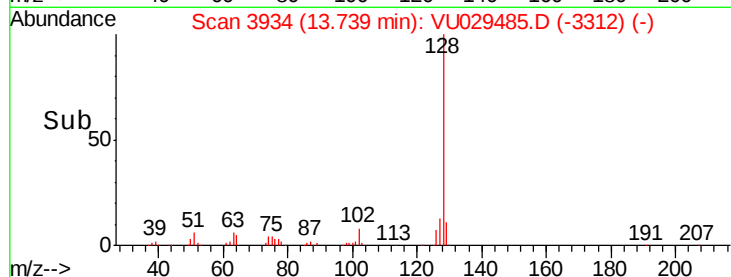
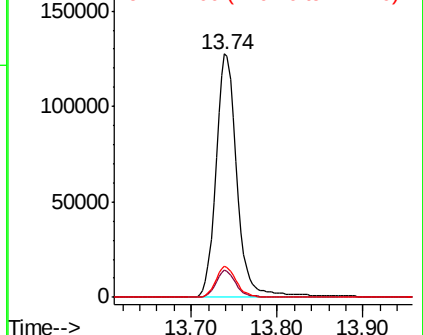
127 12.5 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.708 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029485.D

Acq: 15 Feb 2019 03:03

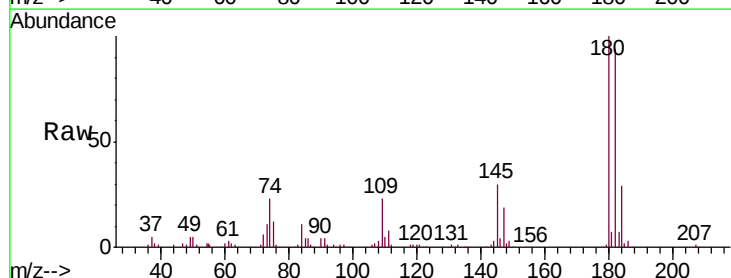
Tgt Ion:180 Resp: 117941

Ion Ratio Lower Upper

180 100

182 96.8 75.9 113.9

145 30.4 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

