

Data File : VU029141.D
Acq On : 11 Jan 2019 14:50
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

Quant Time: Jan 11 22:14:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 11 22:10:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	120736	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	121973	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58299	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38816	6.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.20%
7) Chloroethane-d5	1.68	69	33882	6.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.20%
11) 1,1-Dichloroethene-d2	2.27	63	77756	5.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.80%
20) 2-Butanone-d5	4.20	46	106953	63.33	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.66%
24) Chloroform-d	4.65	84	77546	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.40%
26) 1,2-Dichloroethane-d4	5.31	65	37134	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
32) Benzene-d6	5.34	84	155160	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
36) 1,2-Dichloropropane-d6	6.33	67	52235	5.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.60%
41) Toluene-d8	7.56	98	145401	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	7.85	79	18712	5.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.20%
46) 2-Hexanone-d5	8.31	63	91767	58.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	40942	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	50793	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	57891	5.475 ug/L	97
3) Chloromethane	1.32	50	62714	5.315 ug/L	98
5) Vinyl chloride	1.40	62	66569	5.522 ug/L	98
6) Bromomethane	1.63	94	28595	5.123 ug/L	96
8) Chloroethane	1.70	64	38878	5.651 ug/L	96
9) Trichlorofluoromethane	1.88	101	68094	4.939 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	44087	4.955 ug/L	97
12) 1,1-Dichloroethene	2.28	96	42002	4.855 ug/L	83
13) Acetone	2.33	43	70598	51.791 ug/L	100
14) Carbon disulfide	2.48	76	150580	4.982 ug/L	98
15) Methyl Acetate	2.62	43	22315	5.587 ug/L	95
16) Methylene chloride	2.70	84	48033	3.878 ug/L	93
17) Methyl tert-butyl Ether	3.00	73	102519	4.827 ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	46939	4.942 ug/L	99
19) 1,1-Dichloroethane	3.44	63	90017	5.583 ug/L	99
21) 2-Butanone	4.28	43	122881	60.253 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	50570	5.147 ug/L	92

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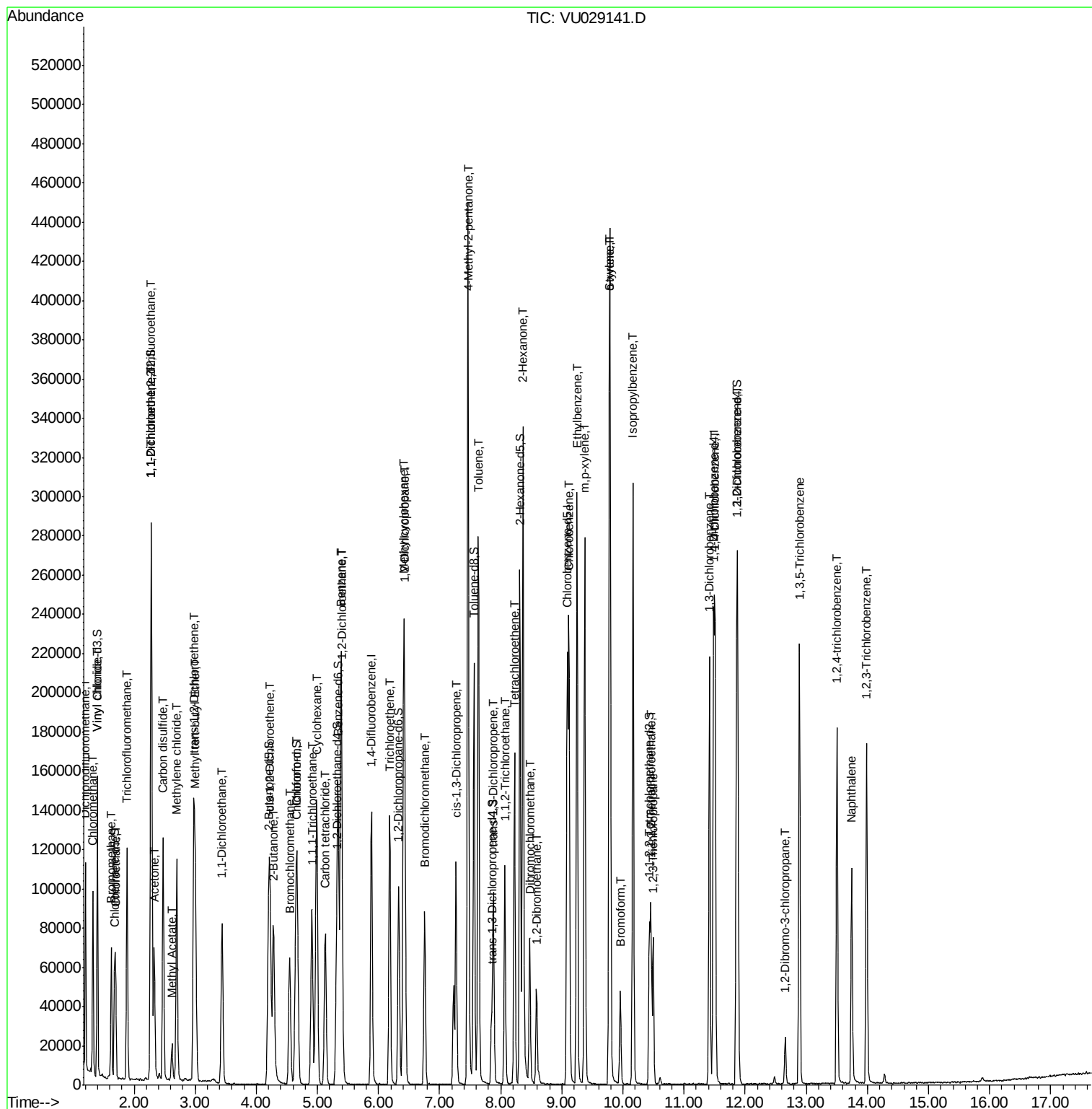
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	22079	5.538	ug/L	95
25) Chloroform	4.67	83	87379	5.704	ug/L	96
27) 1,2-Dichloroethane	5.40	62	52640	5.808	ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	69095	5.158	ug/L	97
30) Cyclohexane	4.99	56	74648	4.651	ug/L	97
31) Carbon tetrachloride	5.13	117	55378	5.192	ug/L	99
33) Benzene	5.39	78	200724	5.147	ug/L	100
34) Trichloroethene	6.18	95	49355	4.949	ug/L	97
35) Methylcyclohexane	6.41	83	76872	4.488	ug/L	93
37) 1,2-Dichloropropane	6.43	63	55339	5.569	ug/L	99
38) Bromodichloromethane	6.76	83	60162	5.378	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	67746	4.755	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	299146	56.580	ug/L	96
42) Toluene	7.63	91	207029	4.959	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	56308	5.072	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	34504	5.103	ug/L	91
47) Tetrachloroethene	8.22	164	39356	4.765	ug/L	97
48) 2-Hexanone	8.36	43	212955	58.228	ug/L	95
49) Dibromochloromethane	8.48	129	38044	5.299	ug/L	98
50) 1,2-Dibromoethane	8.58	107	32540	5.145	ug/L	100
51) Chlorobenzene	9.12	112	125862	4.806	ug/L	96
52) Ethylbenzene	9.25	91	206222	4.656	ug/L	100
53) m,p-xylene	9.37	106	80181	4.757	ug/L	97
54) o-xylene	9.78	106	77146	4.715	ug/L	99
55) Styrene	9.79	104	133612	4.906	ug/L	99
56) Isopropylbenzene	10.16	105	197932	4.587	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	45419	5.487	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	32173	5.554	ug/L	100
61) Bromoform	9.96	173	21741	5.466	ug/L	94
62) 1,3-Dichlorobenzene	11.41	146	92115	4.674	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	95969	4.772	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	91124	4.886	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	6765	6.144	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.89	180	74427	4.881	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	60003	4.722	ug/L	98
69) Naphthalene	13.74	128	96744	4.451	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	57455	4.740	ug/L	99

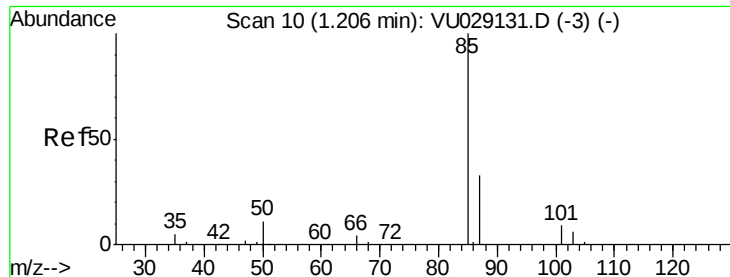
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.475 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

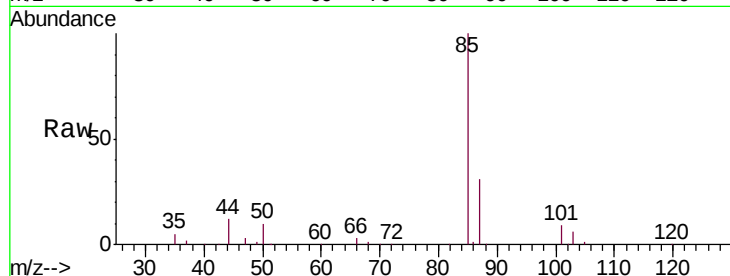
VSTD00554

Tgt Ion: 85 Resp: 57891

Ion Ratio Lower Upper

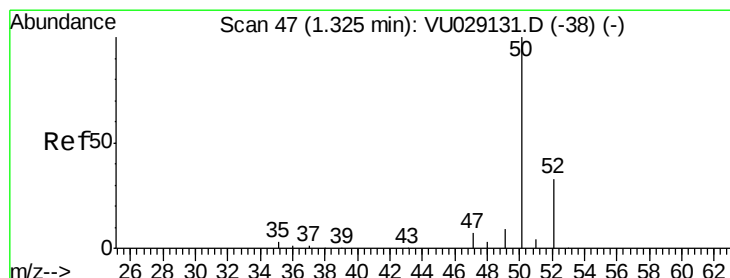
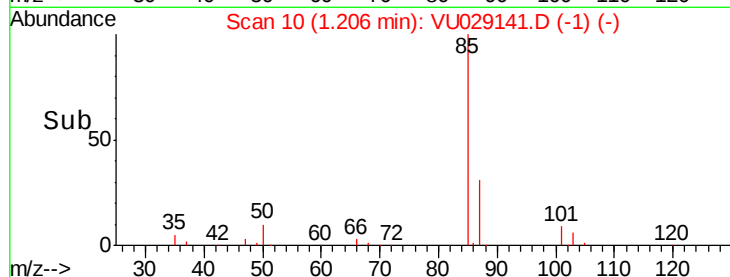
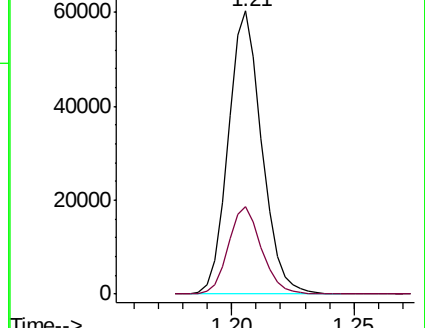
85 100

87 30.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU029141.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU029141.D (-3) (-)



#3

Chloromethane

Concen: 5.315 ug/L

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU029141.D

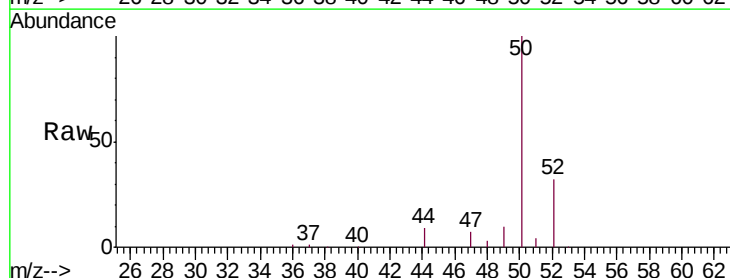
Acq: 11 Jan 2019 14:50

Tgt Ion: 50 Resp: 62714

Ion Ratio Lower Upper

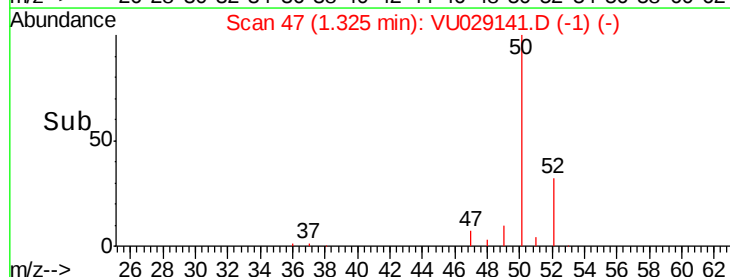
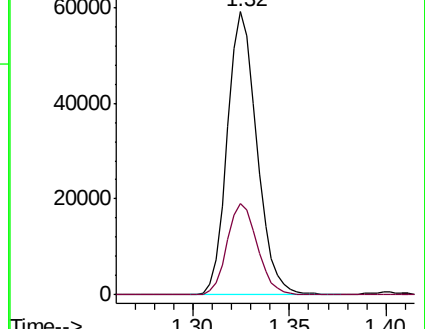
50 100

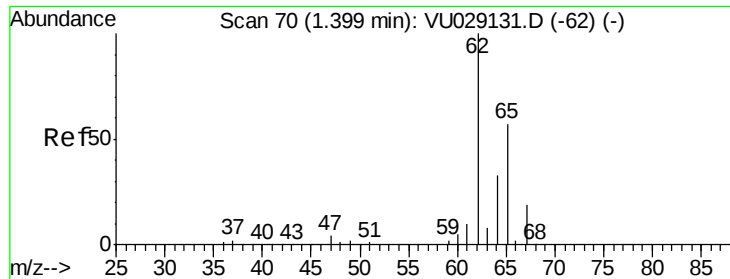
52 32.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU029141.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VU029141.D (-38) (-)





#5

Vinyl chloride

Concen: 5.522 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

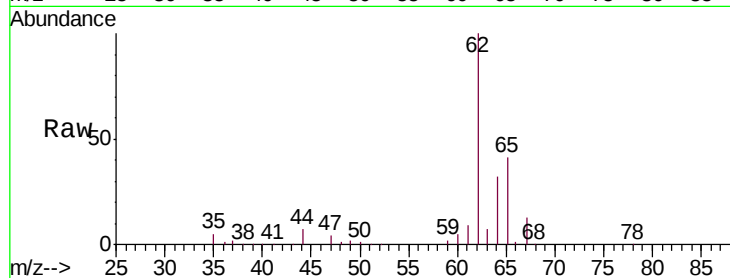
VSTD00554

Tgt Ion: 62 Resp: 66569

Ion Ratio Lower Upper

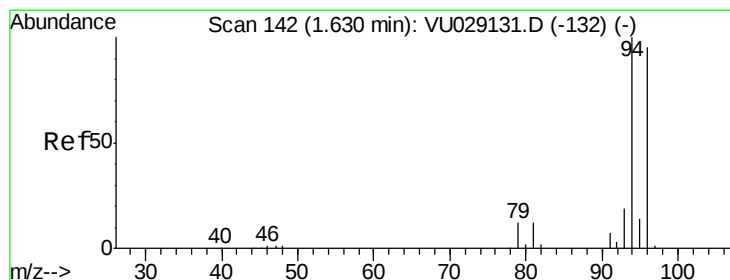
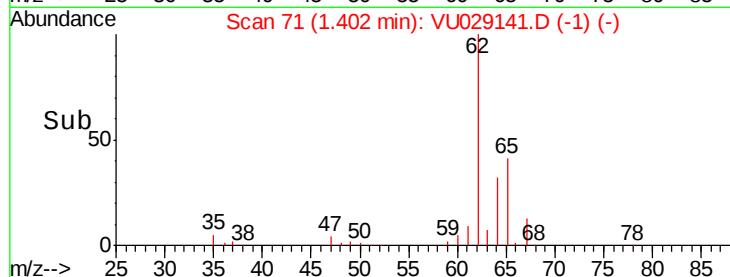
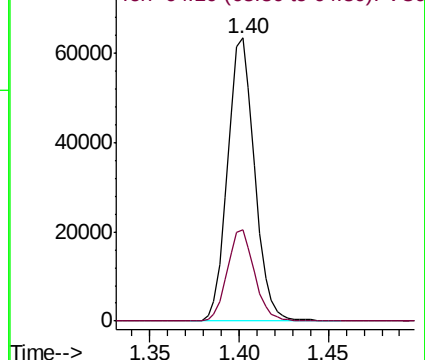
62 100

64 32.2 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.123 ug/L

RT: 1.63 min Scan# 141

Delta R.T. -0.00 min

Lab File: VU029141.D

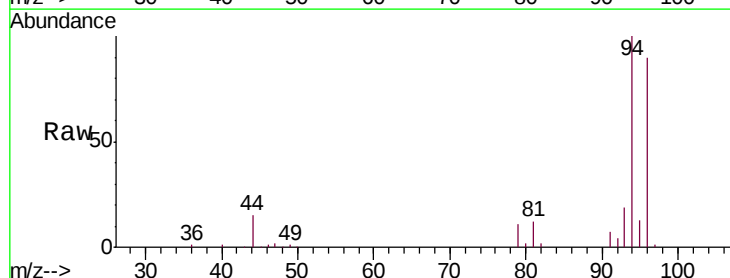
Acq: 11 Jan 2019 14:50

Tgt Ion: 94 Resp: 28595

Ion Ratio Lower Upper

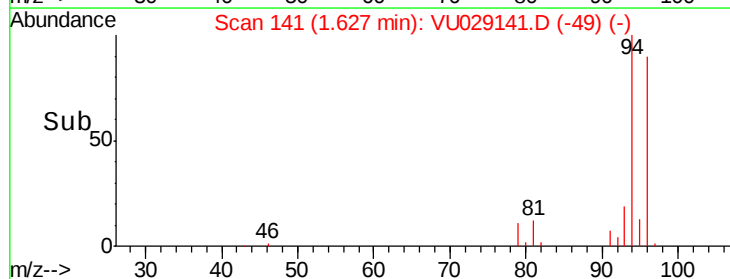
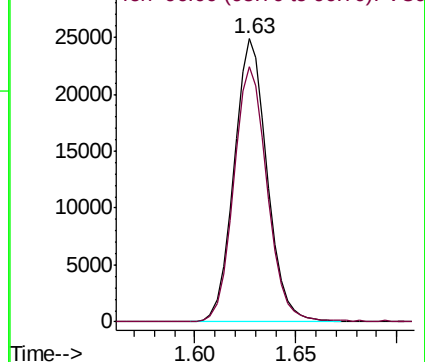
94 100

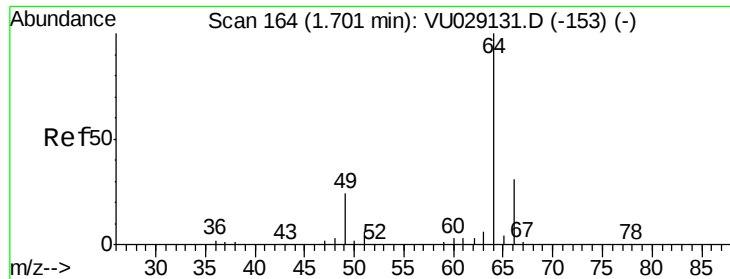
96 90.0 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.651 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

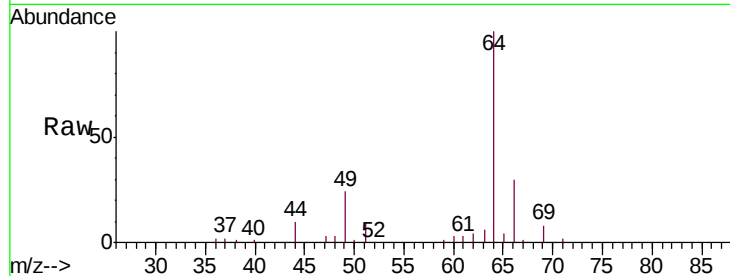
VSTD00554

Tgt Ion: 64 Resp: 38878

Ion Ratio Lower Upper

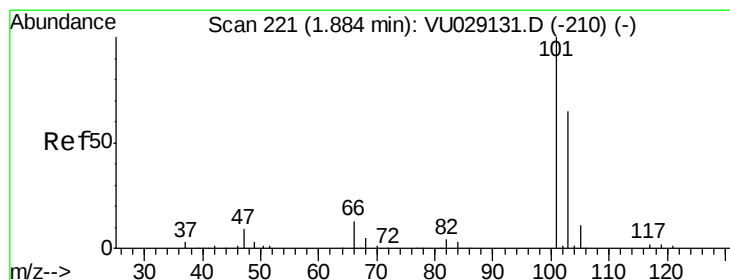
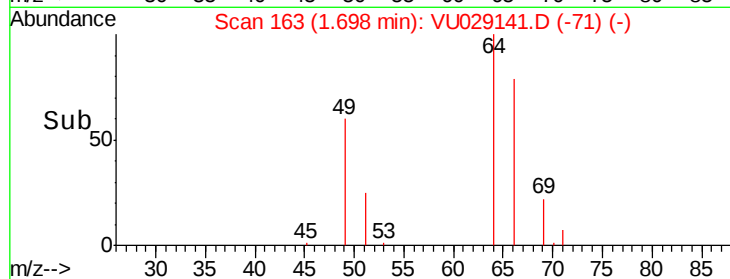
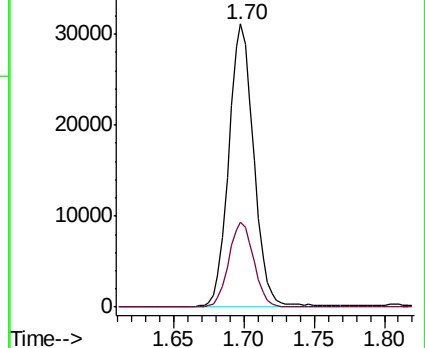
64 100

66 29.9 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 4.939 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU029141.D

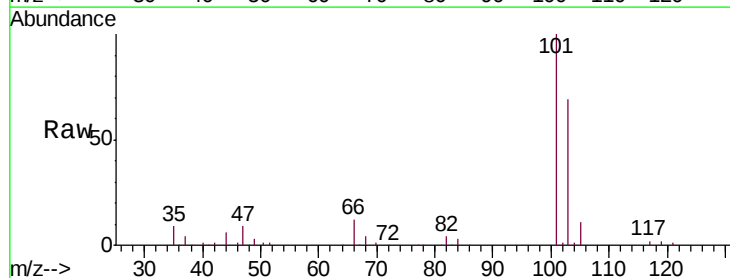
Acq: 11 Jan 2019 14:50

Tgt Ion: 101 Resp: 68094

Ion Ratio Lower Upper

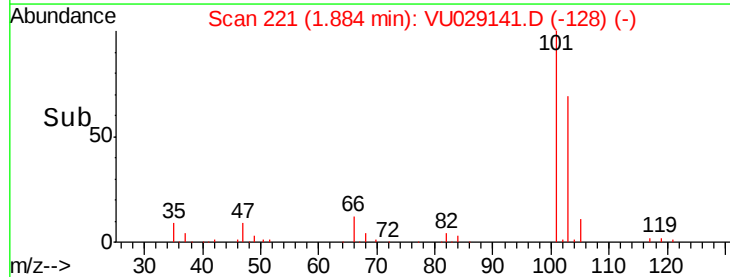
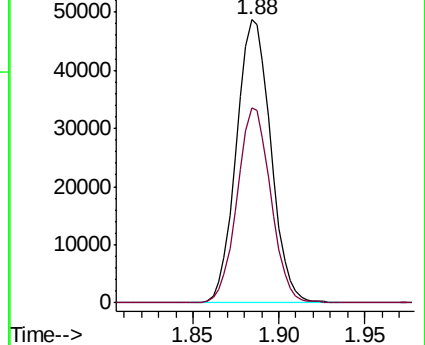
101 100

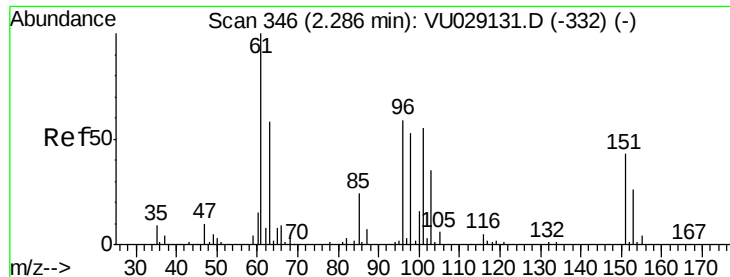
103 67.2 51.2 76.8



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: 4.955 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

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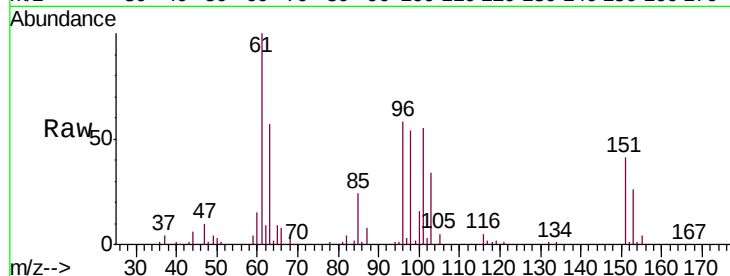
Tgt Ion: 101 Resp: 44087

Ion Ratio Lower Upper

101 100

85 43.4 33.8 50.6

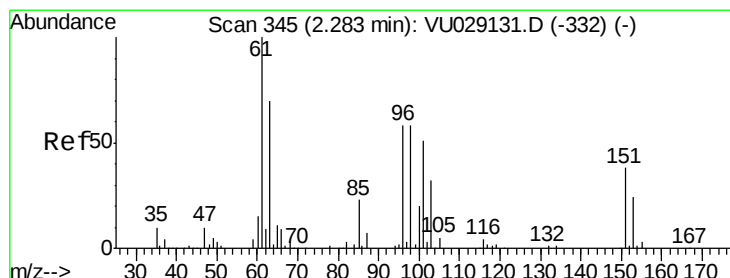
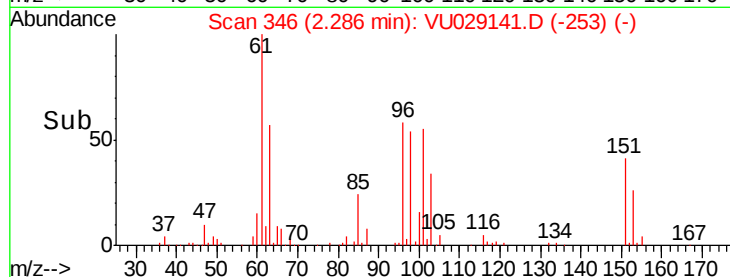
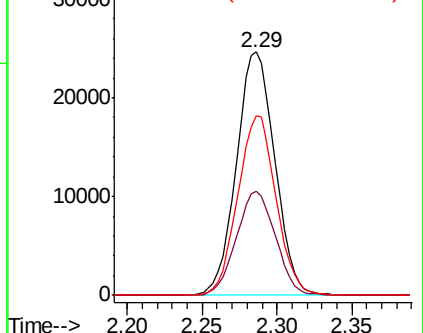
151 73.5 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.855 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029141.D

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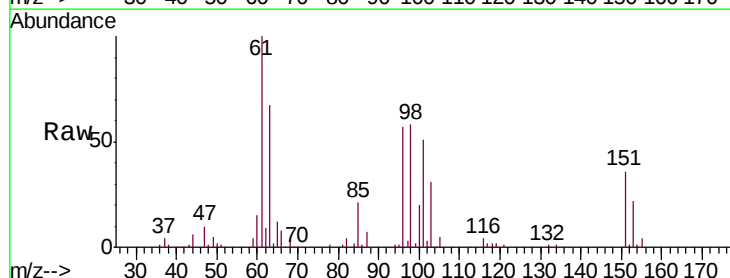
Tgt Ion: 96 Resp: 42002

Ion Ratio Lower Upper

96 100

61 176.4 110.5 205.3

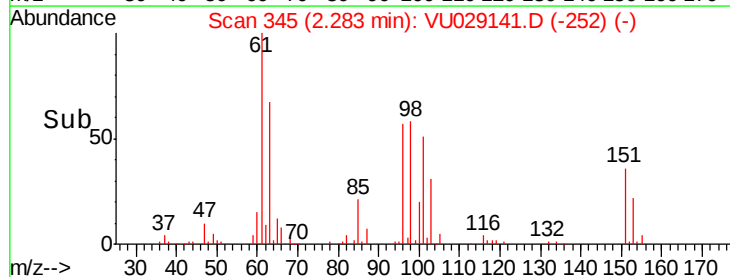
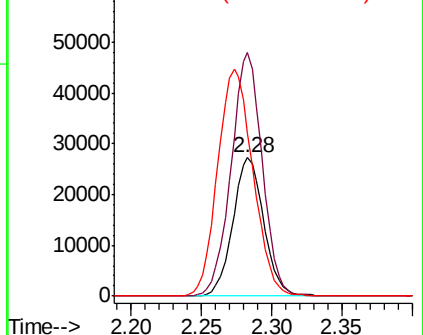
63 118.3 67.6 125.6

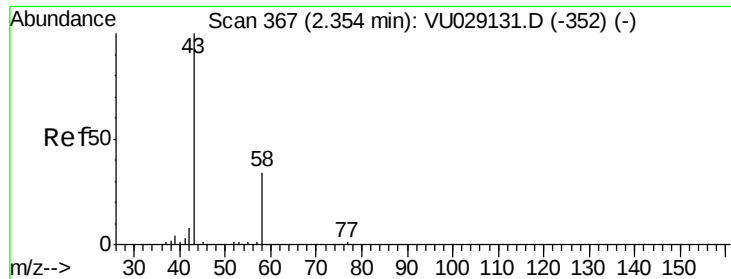


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.791 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.03 min

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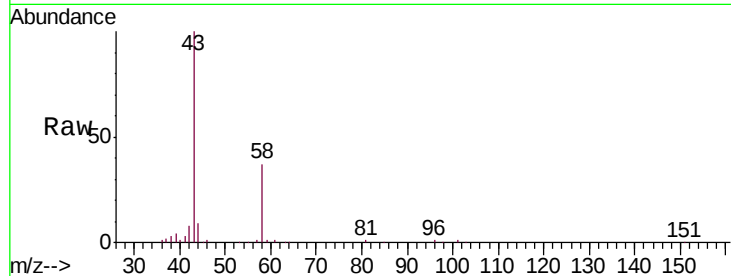
VSTD00554

Tgt Ion: 43 Resp: 70598

Ion Ratio Lower Upper

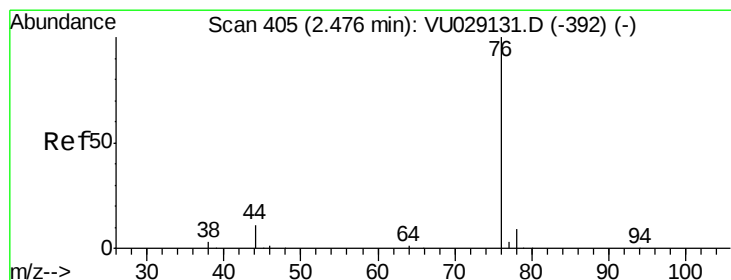
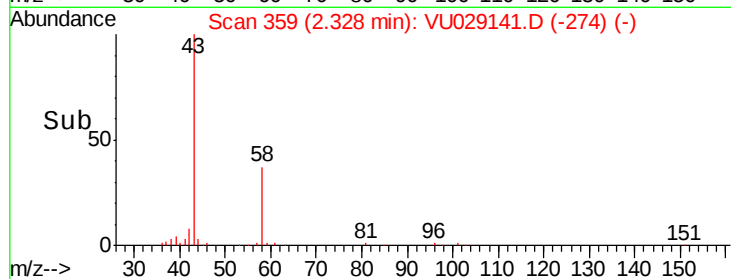
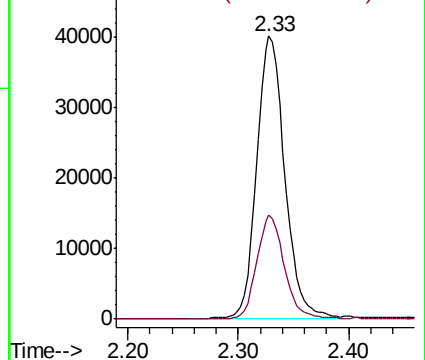
43 100

58 36.2 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU029141.D (-352) (-)

Ion 58.05 (57.75 to 58.75): VU029141.D (-352) (-)



#14

Carbon disulfide

Concen: 4.982 ug/L

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029141.D

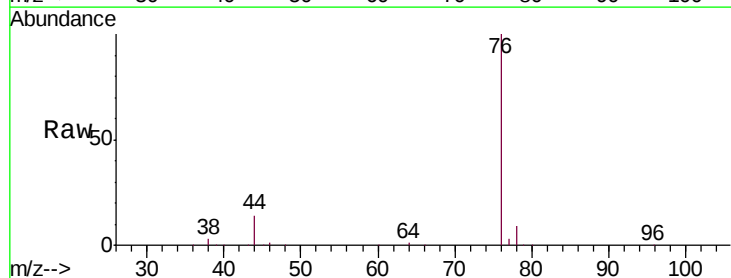
Acq: 11 Jan 2019 14:50

Tgt Ion: 76 Resp: 150580

Ion Ratio Lower Upper

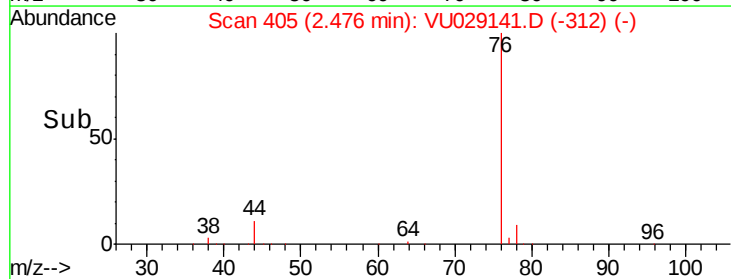
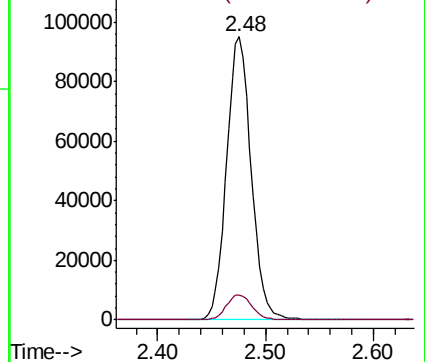
76 100

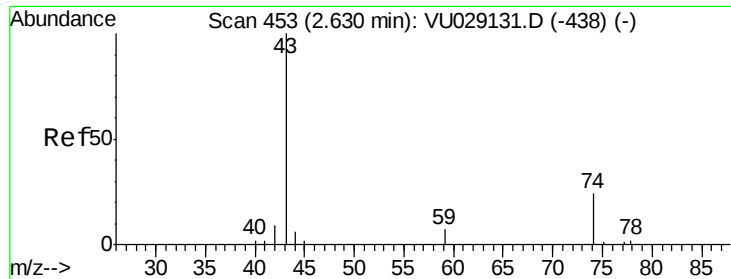
78 8.8 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU029141.D (-392) (-)

Ion 78.00 (77.70 to 78.70): VU029141.D (-392) (-)





#15

Methyl Acetate

Concen: 5.587 ug/L

RT: 2.62 min Scan# 450

Delta R.T. -0.01 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampled :

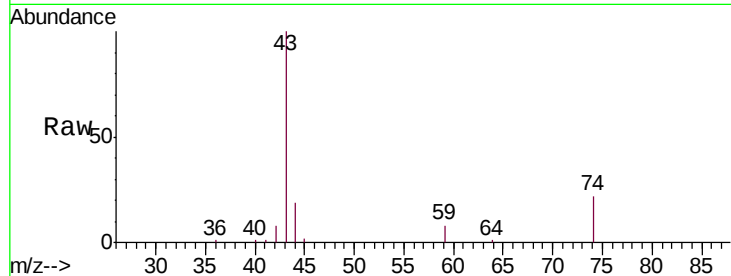
VSTD00554

Tgt Ion: 43 Resp: 22315

Ion Ratio Lower Upper

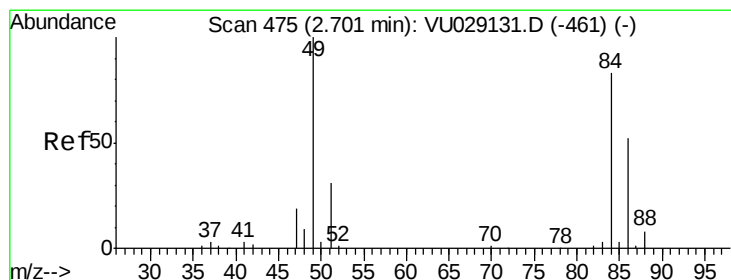
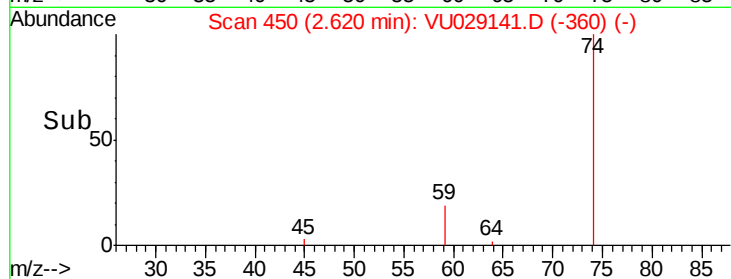
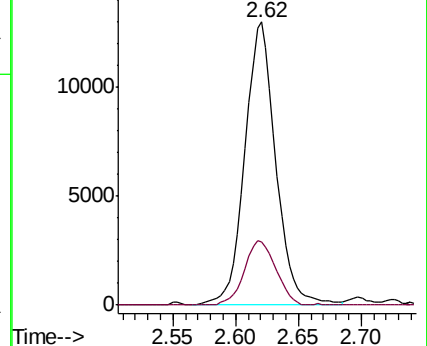
43 100

74 23.1 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU029141.D (-360) (-)

Ion 74.05 (73.75 to 74.75): VU029141.D (-360) (-)



#16

Methylene chloride

Concen: 3.878 ug/L

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

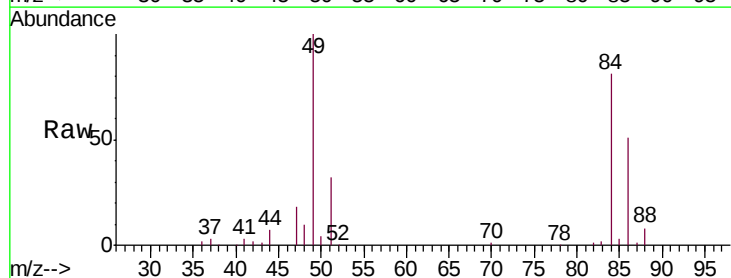
Tgt Ion: 84 Resp: 48033

Ion Ratio Lower Upper

84 100

86 62.8 45.6 84.6

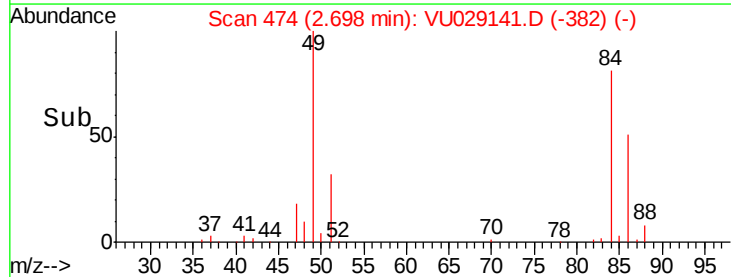
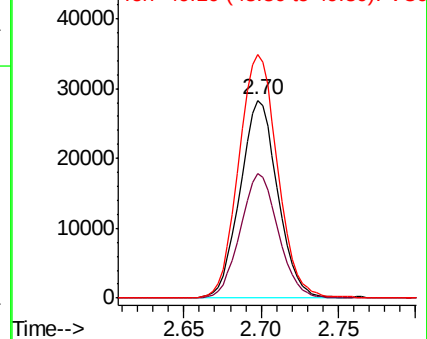
49 123.2 79.7 148.1

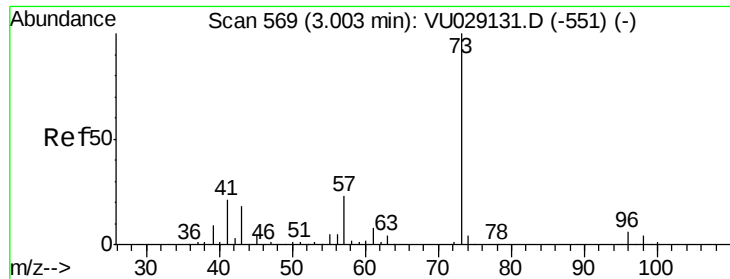


Abundance Ion 84.05 (83.75 to 84.75): VU029141.D (-382) (-)

Ion 86.00 (85.70 to 86.70): VU029141.D (-382) (-)

Ion 49.10 (48.80 to 49.80): VU029141.D (-382) (-)

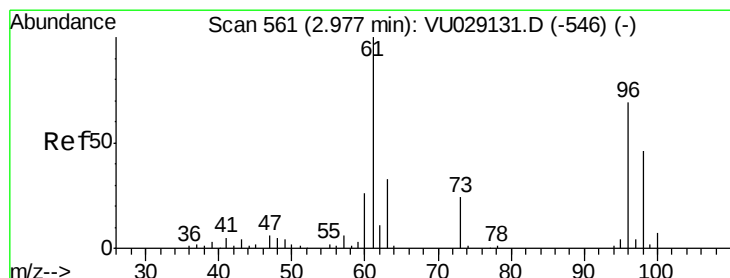
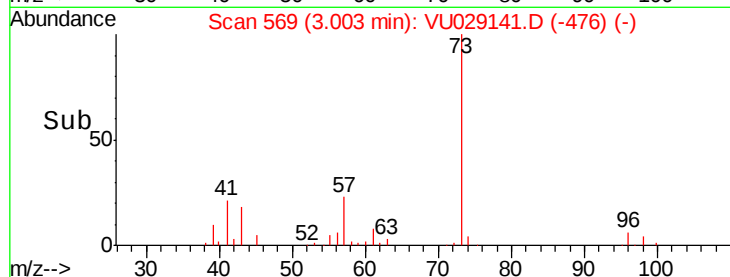
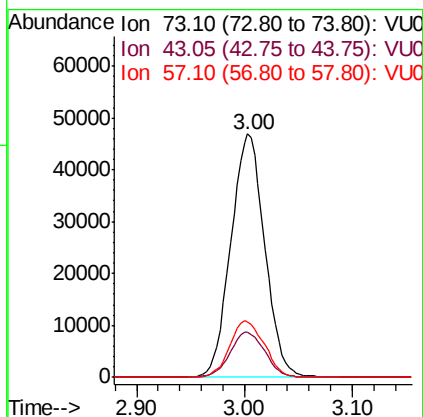
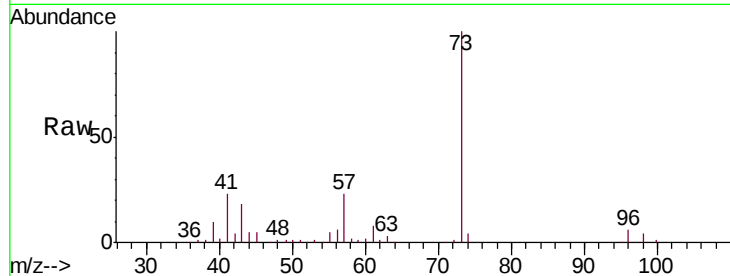




#17
Methyl tert-butyl Ether
Concen: 4.827 ug/L
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

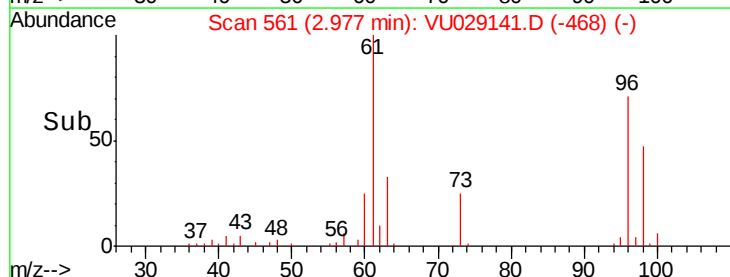
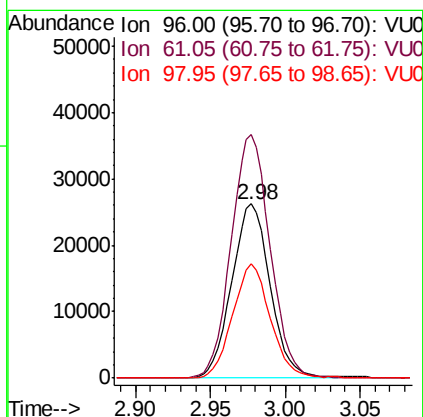
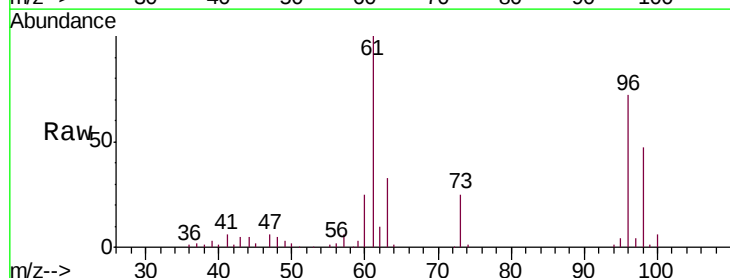
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

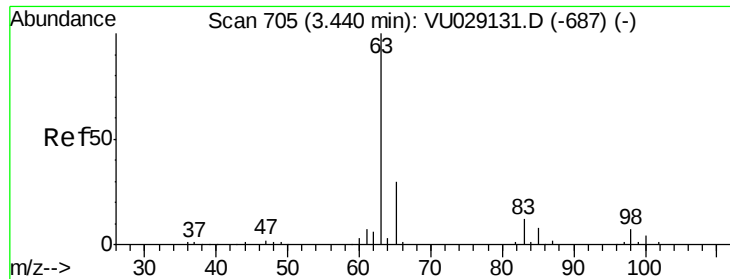
Tgt Ion: 73 Resp: 102519
Ion Ratio Lower Upper
73 100
43 19.2 13.8 20.8
57 23.7 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 4.942 ug/L
RT: 2.98 min Scan# 561
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

Tgt Ion: 96 Resp: 46939
Ion Ratio Lower Upper
96 100
61 139.7 96.6 179.4
98 65.2 46.0 85.4

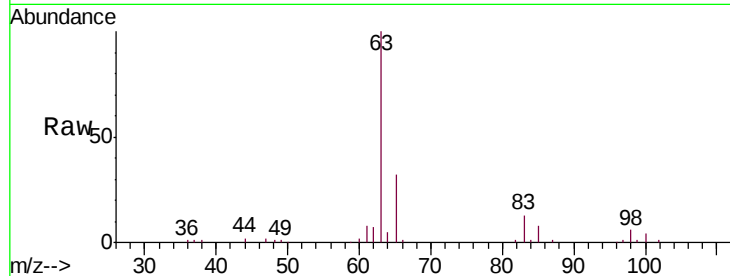




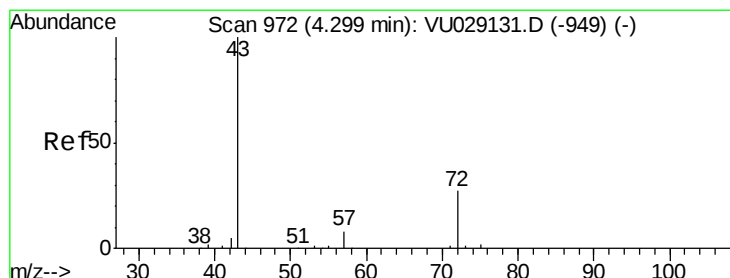
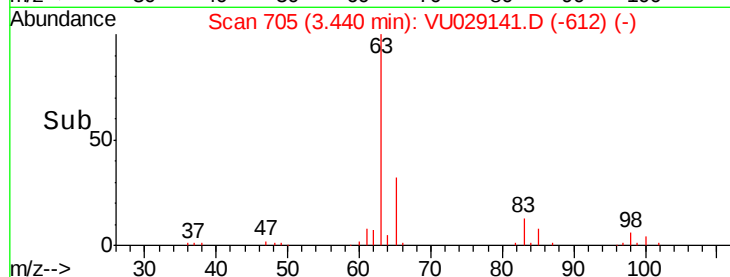
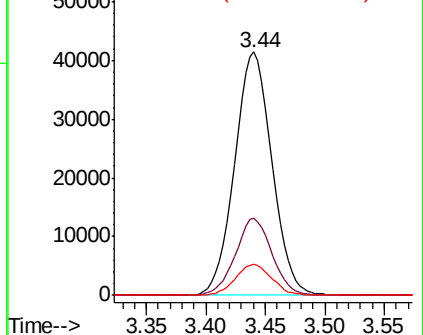
#19
 1,1-Dichloroethane
 Concen: 5.583 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion: 63 Resp: 90017
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.8 40.6
 83 12.6 9.3 17.3

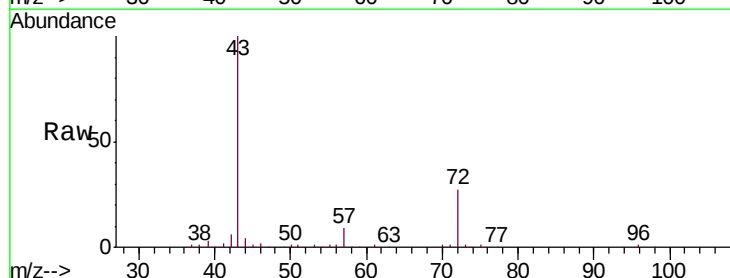


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

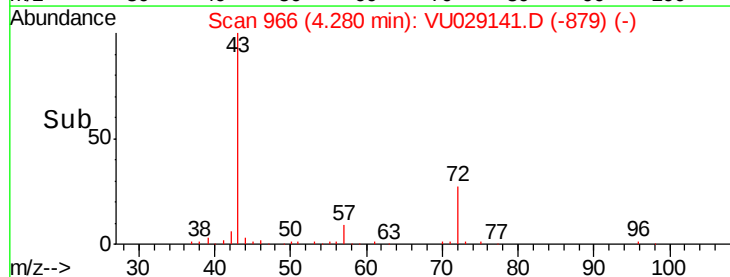
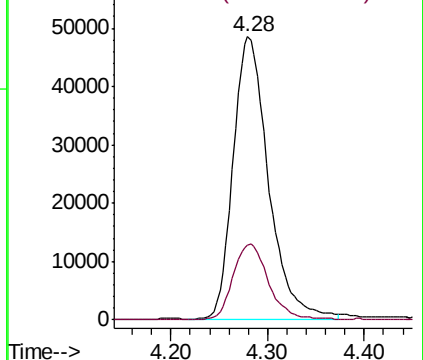


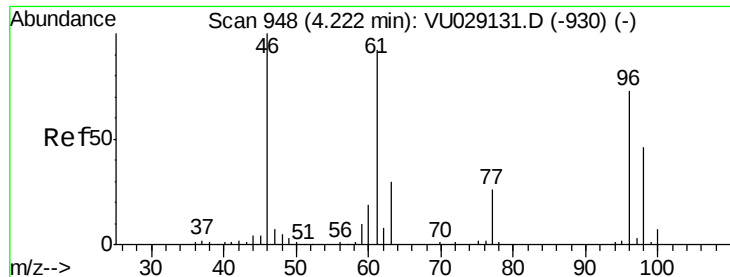
#21
 2-Butanone
 Concen: 60.253 ug/L
 RT: 4.28 min Scan# 966
 Delta R.T. -0.02 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Tgt Ion: 43 Resp: 122881
 Ion Ratio Lower Upper
 43 100
 72 27.1 15.2 45.5



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



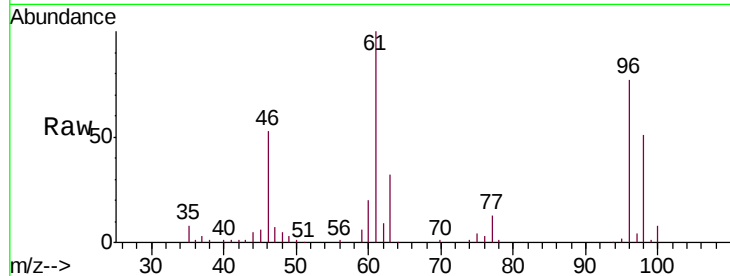


#22

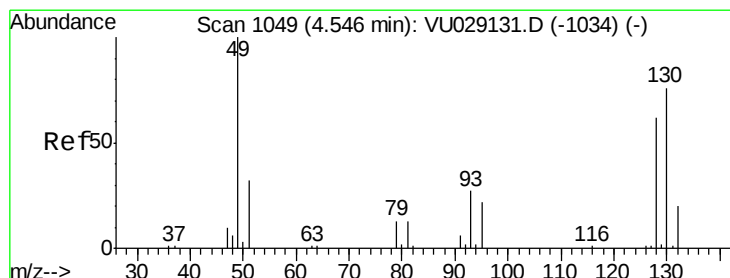
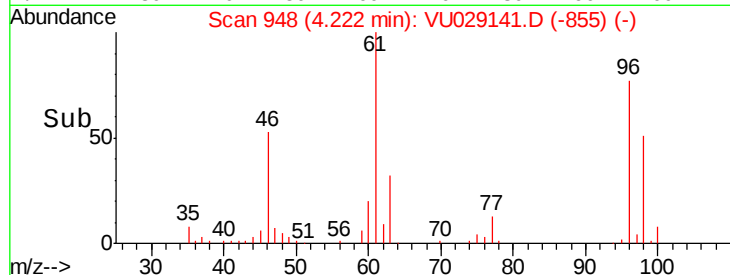
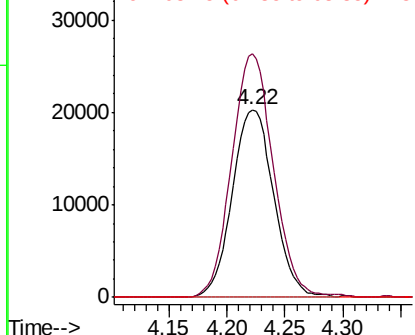
cis-1,2-Dichloroethene
Concen: 5.147 ug/L
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

Tgt Ion: 96 Resp: 50570
Ion Ratio Lower Upper
96 100
61 129.6 84.7 157.3
68 0.0 0.0 0.0



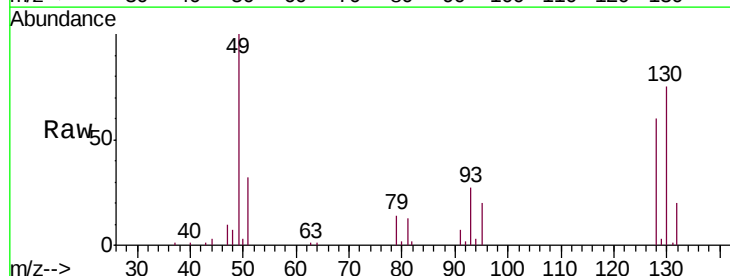
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



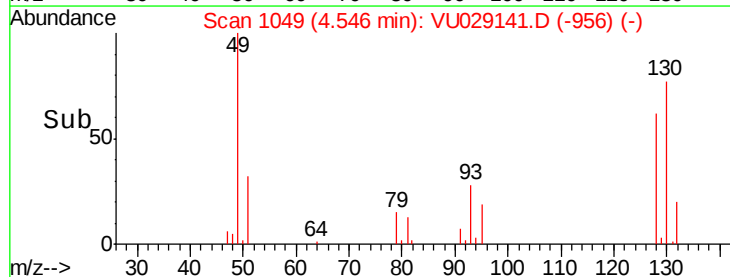
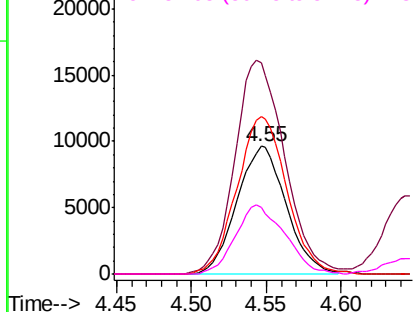
#23

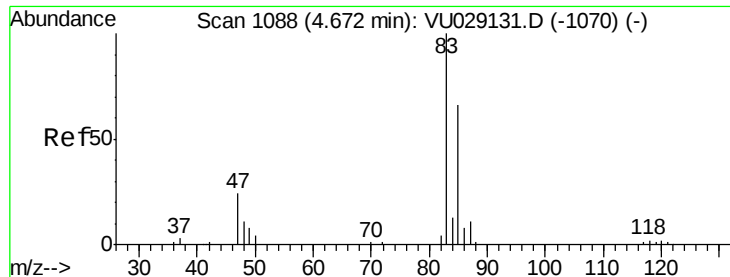
Bromochloromethane
Concen: 5.538 ug/L
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

Tgt Ion: 128 Resp: 22079
Ion Ratio Lower Upper
128 100
49 165.5 109.3 202.9
130 123.9 88.7 164.7
51 52.1 38.8 58.2



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

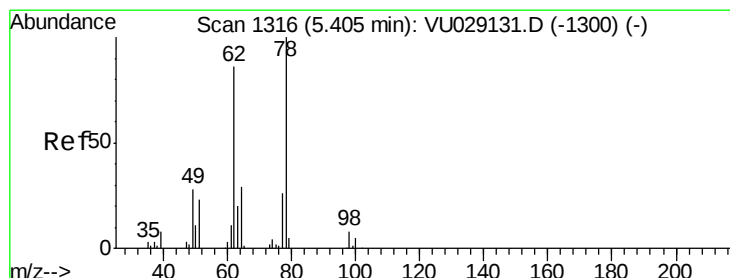
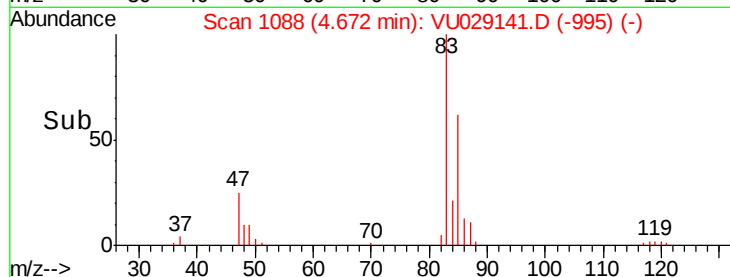
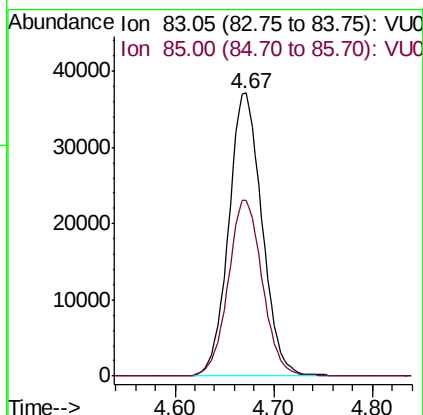
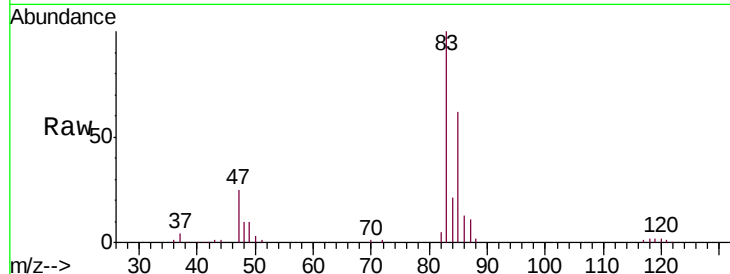




#25
Chloroform
Concen: 5.704 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

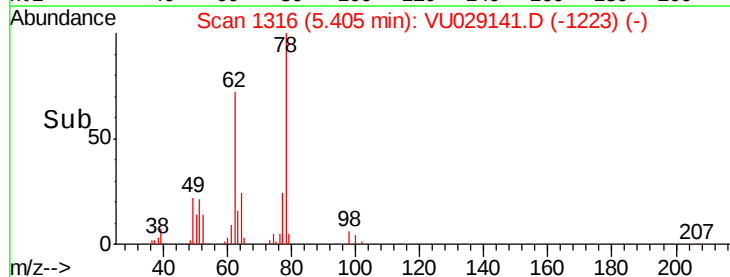
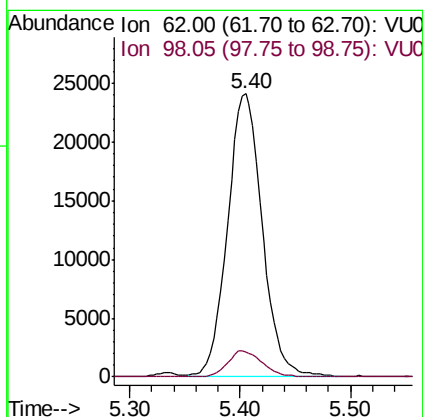
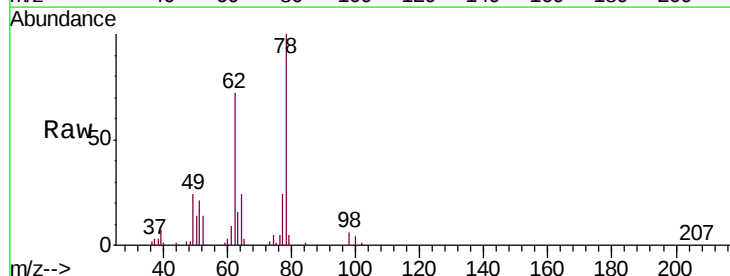
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

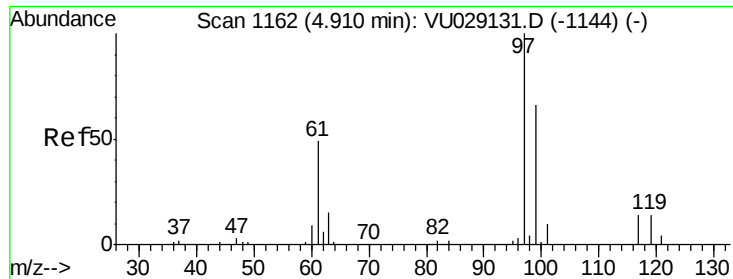
Tgt Ion: 83 Resp: 87379
Ion Ratio Lower Upper
83 100
85 62.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.808 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

Tgt Ion: 62 Resp: 52640
Ion Ratio Lower Upper
62 100
98 8.6 8.2 12.2

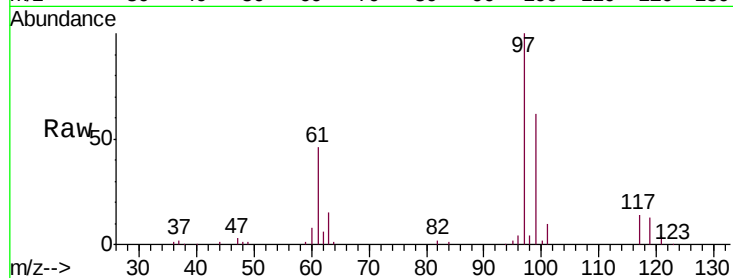




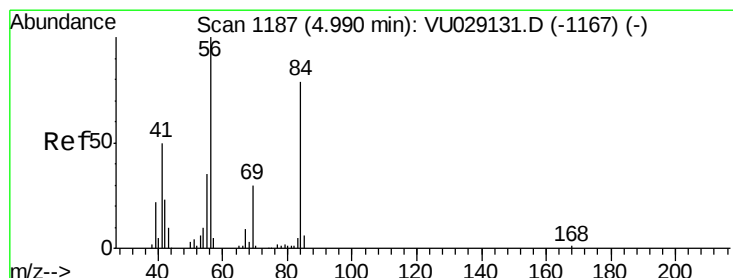
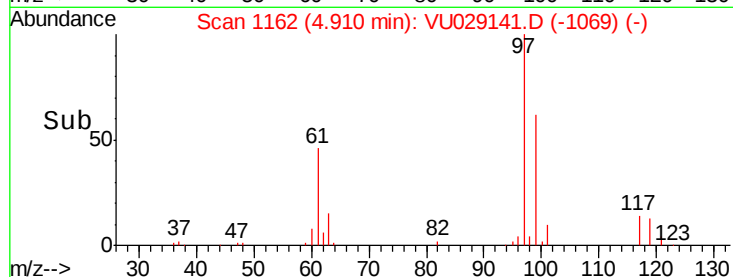
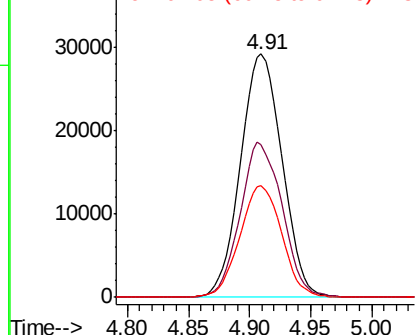
#29
 1,1,1-Trichloroethane
 Concen: 5.158 ug/L
 RT: 4.91 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion: 97 Resp: 69095
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.6 77.4
 61 46.3 34.1 51.1

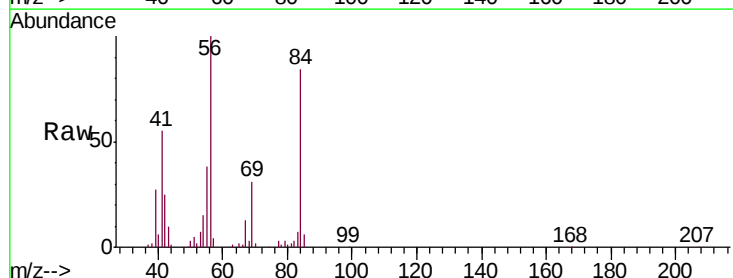


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

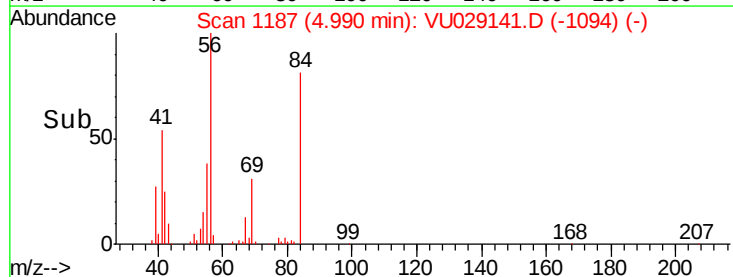
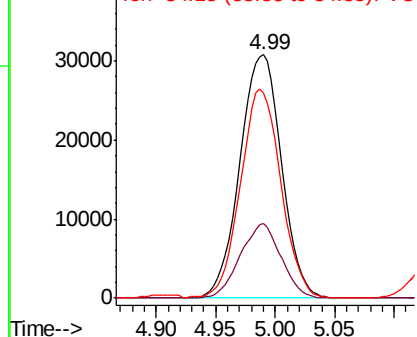


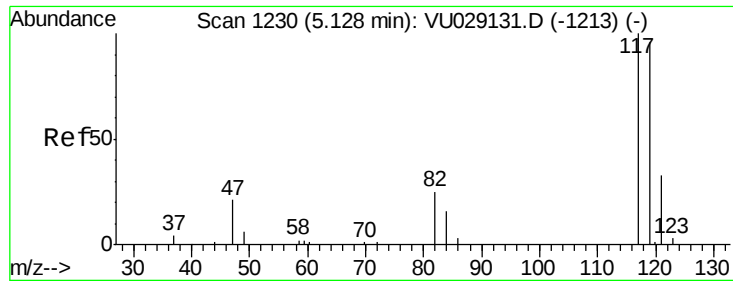
#30
 Cyclohexane
 Concen: 4.651 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Tgt Ion: 56 Resp: 74648
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.8 37.2
 84 83.3 69.1 103.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

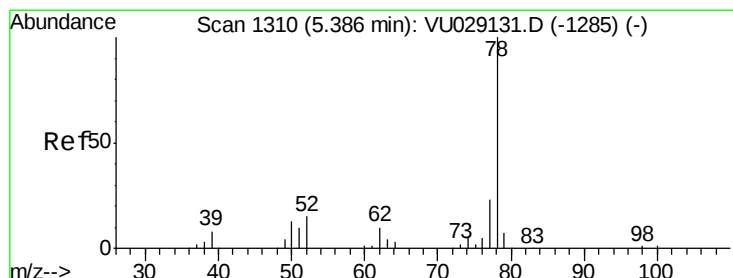
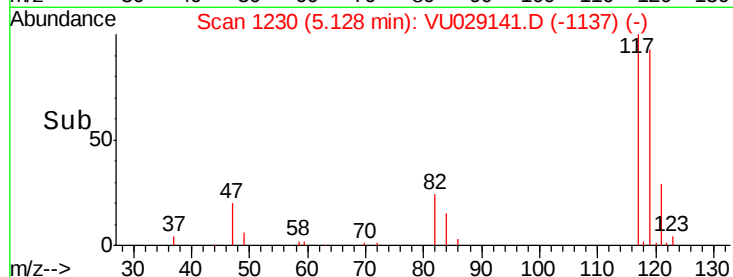
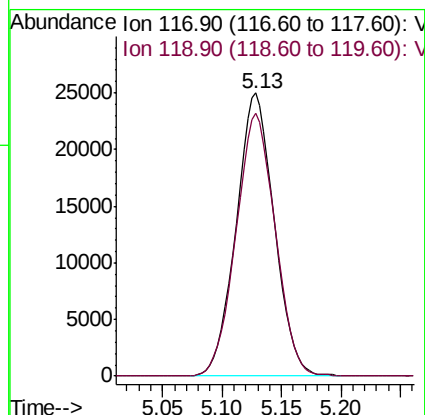
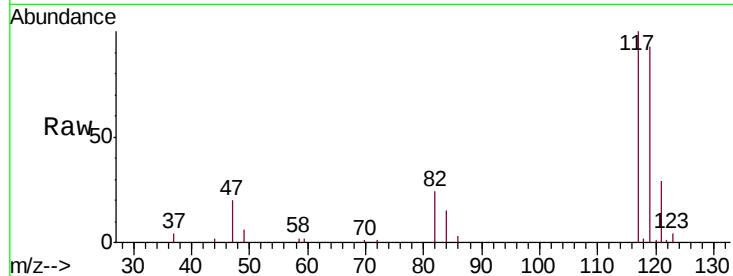




#31
Carbon tetrachloride
Concen: 5.192 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

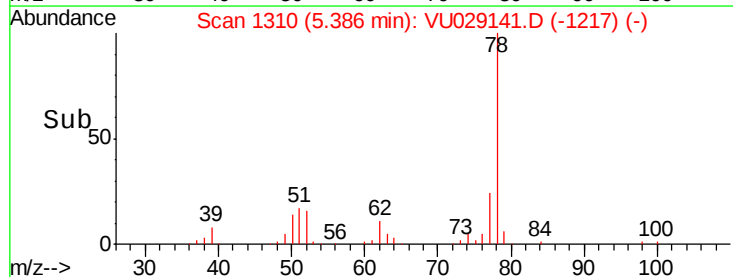
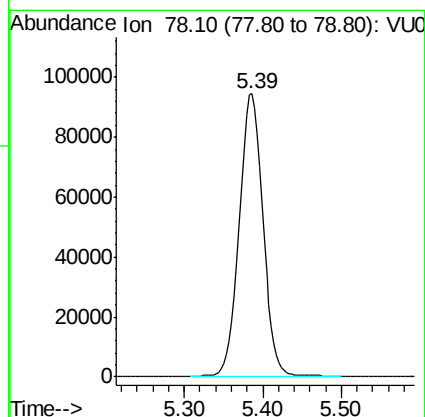
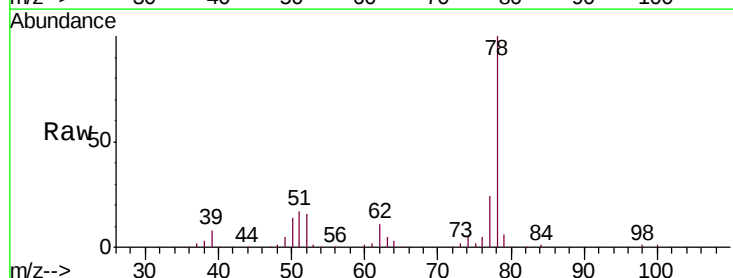
Instrument :
MSVOA_U
ClientSampled :
VSTD00554

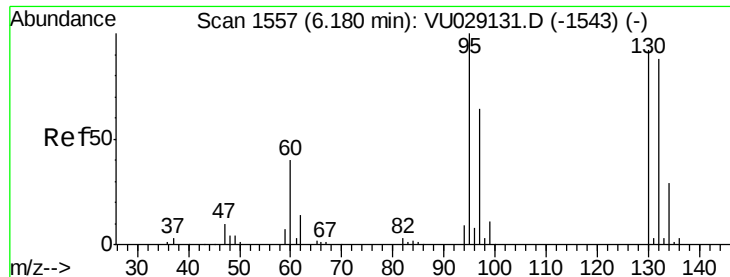
Tgt Ion:117 Resp: 55378
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.2



#33
Benzene
Concen: 5.147 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

Tgt Ion: 78 Resp: 200724





#34

Trichloroethene

Concen: 4.949 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

Tgt Ion: 95 Resp: 49355

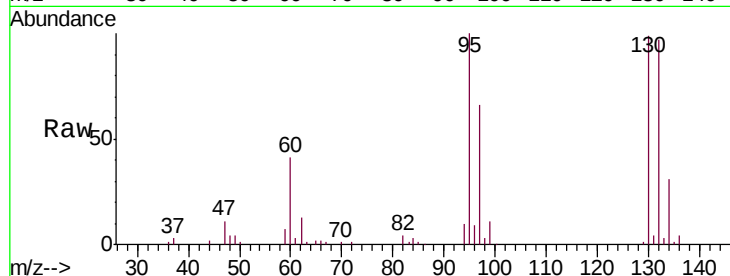
Ion Ratio Lower Upper

95 100

97 66.4 45.4 84.2

132 96.6 70.8 131.6

130 98.8 70.7 131.3

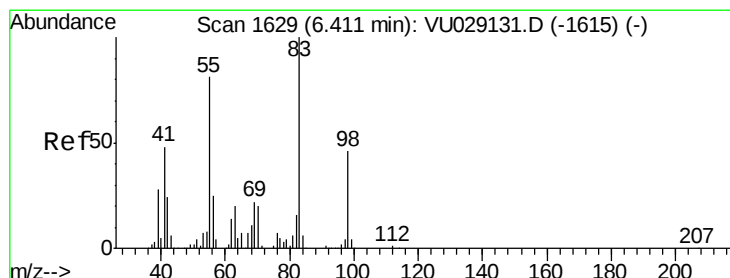
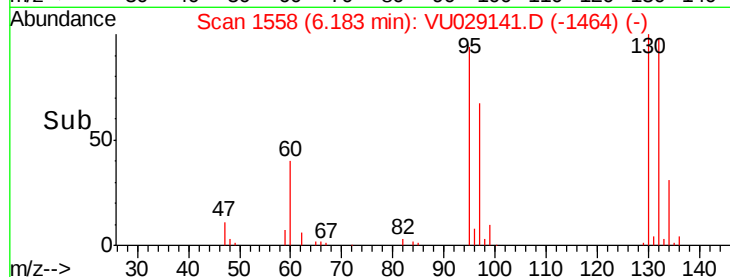
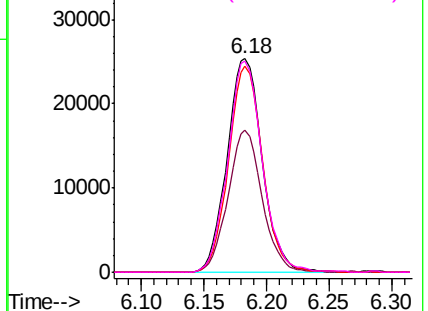


Abundance Ion 95.00 (94.70 to 95.70): VU029141.D (-1543) (-)

Ion 96.95 (96.65 to 97.65): VU029141.D (-1543) (-)

Ion 131.95 (131.65 to 132.65): VU029141.D (-1543) (-)

Ion 129.95 (129.65 to 130.65): VU029141.D (-1543) (-)



#35

Methylcyclohexane

Concen: 4.488 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

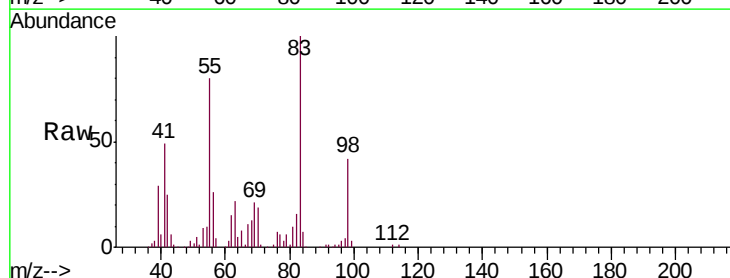
Tgt Ion: 83 Resp: 76872

Ion Ratio Lower Upper

83 100

55 82.0 59.8 89.6

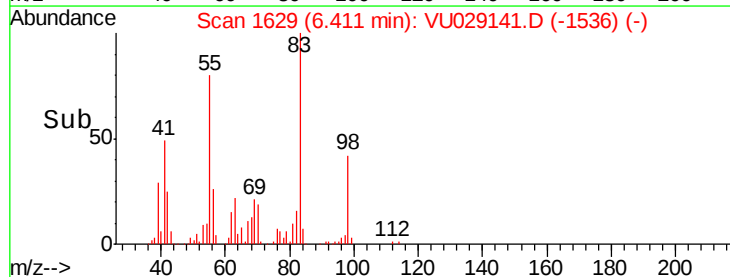
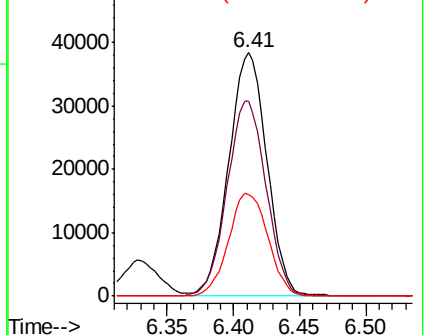
98 43.5 37.0 55.6

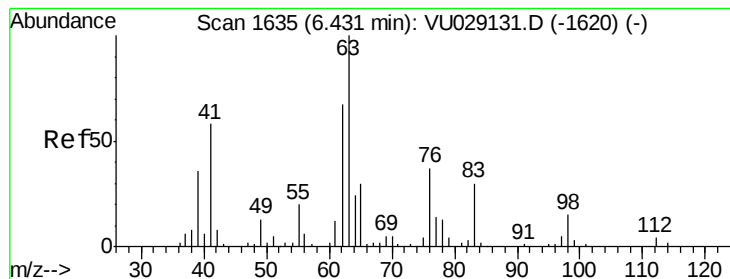


Abundance Ion 83.15 (82.85 to 83.85): VU029141.D (-1536) (-)

Ion 55.10 (54.80 to 55.80): VU029141.D (-1536) (-)

Ion 98.15 (97.85 to 98.85): VU029141.D (-1536) (-)





#37

1,2-Dichloropropane

Concen: 5.569 ug/L

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

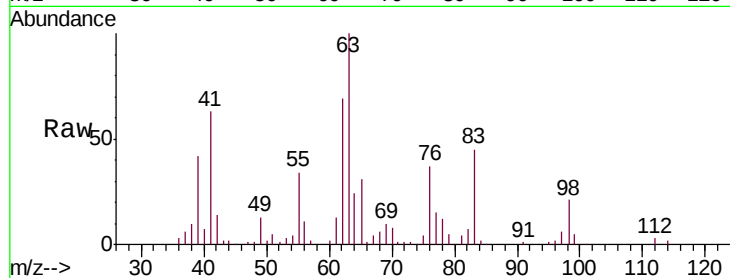
VSTD00554

Tgt Ion: 63 Resp: 55339

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6.43

30000

25000

20000

15000

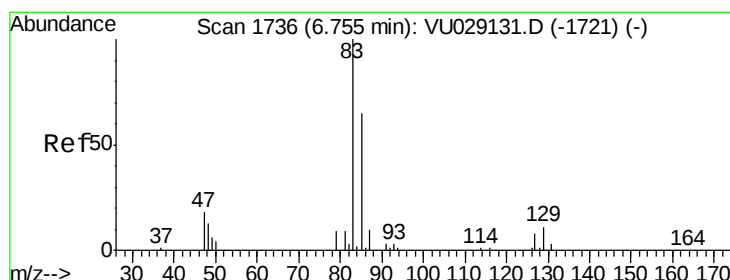
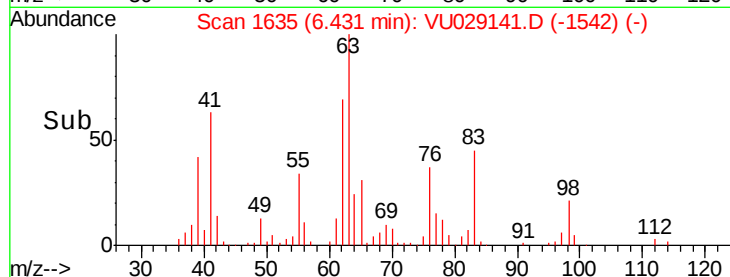
10000

5000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#38

Bromodichloromethane

Concen: 5.378 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

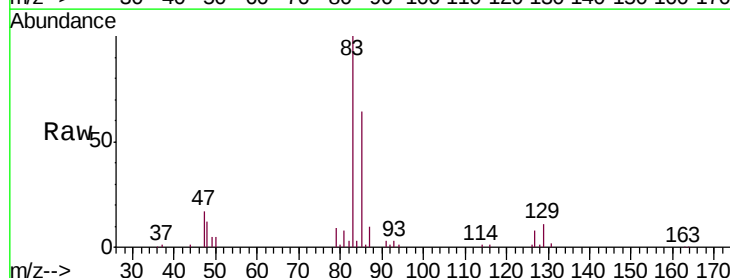
Tgt Ion: 83 Resp: 60162

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

127 8.5 6.8 10.2



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

40000

30000

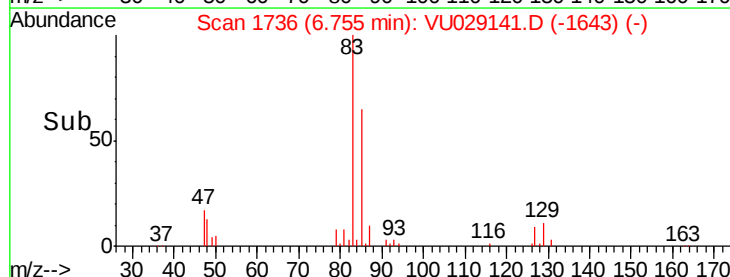
20000

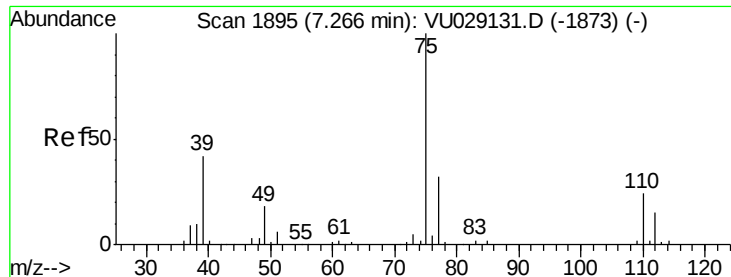
10000

0

6.70 6.75 6.80

Time-->

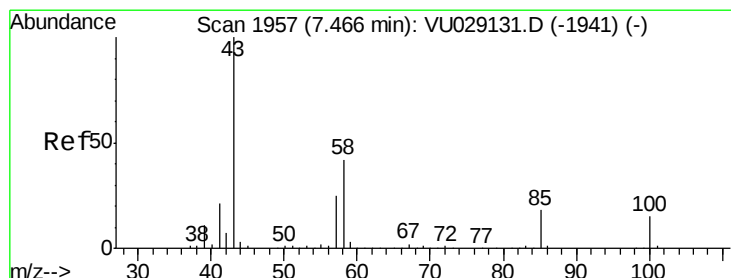
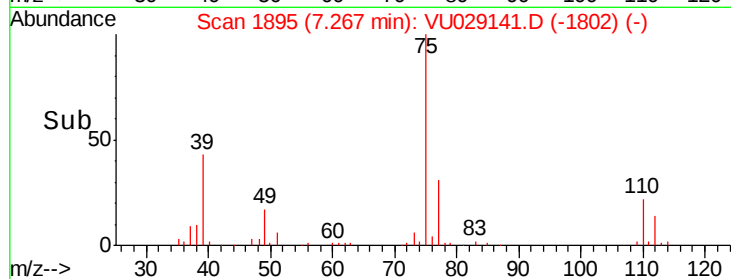
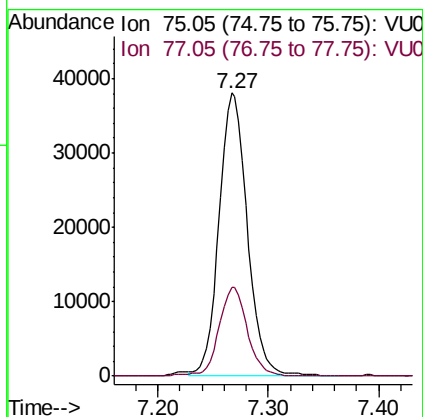
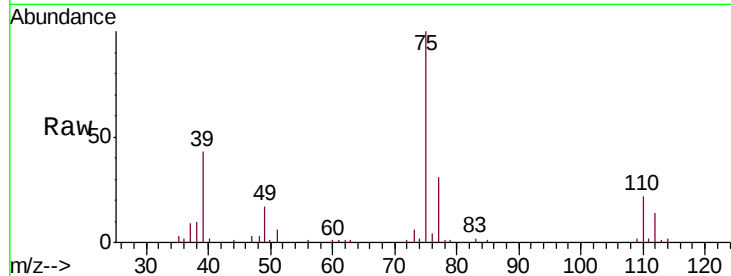




#39
 cis-1,3-Dichloropropene
 Concen: 4.755 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

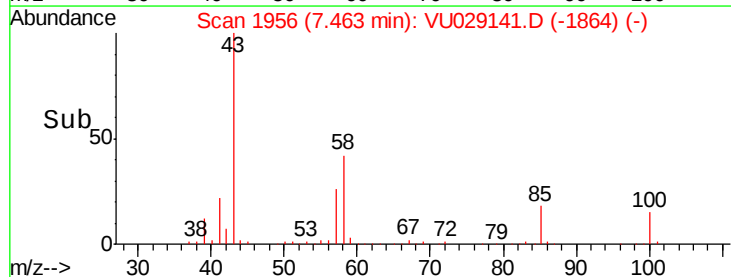
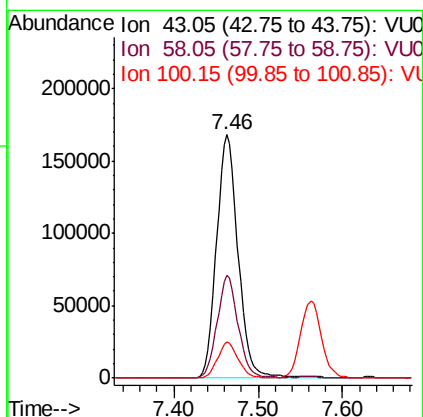
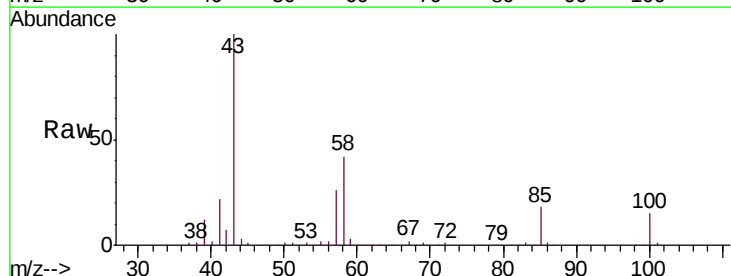
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

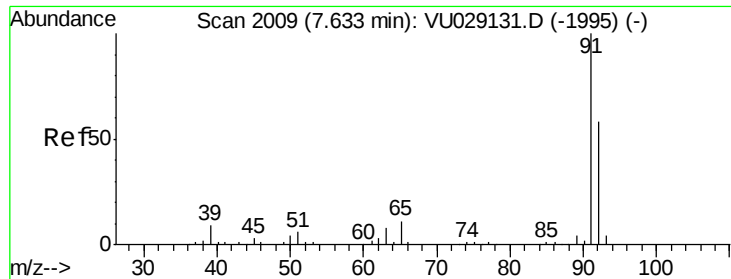
Tgt Ion: 75 Resp: 67746
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 56.580 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Tgt Ion: 43 Resp: 299146
 Ion Ratio Lower Upper
 43 100
 58 40.8 34.6 51.8
 100 14.2 13.4 20.0





#42

Toluene

Concen: 4.959 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

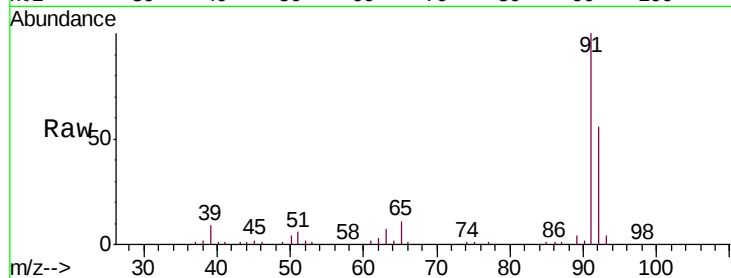
VSTD00554

Tgt Ion: 91 Resp: 207029

Ion Ratio Lower Upper

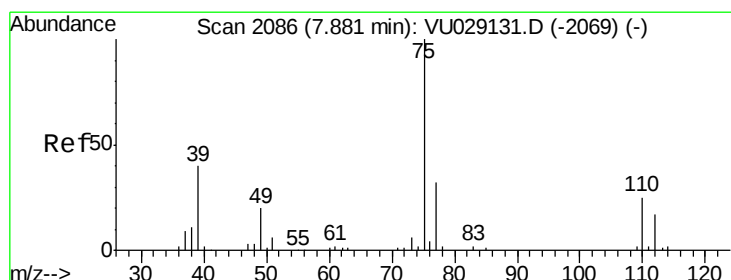
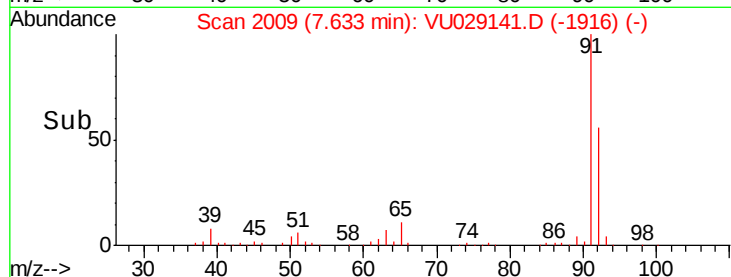
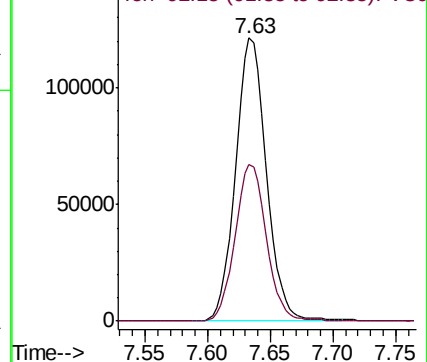
91 100

92 55.5 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.072 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU029141.D

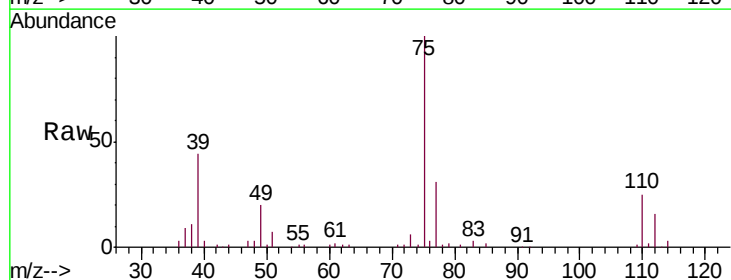
Acq: 11 Jan 2019 14:50

Tgt Ion: 75 Resp: 56308

Ion Ratio Lower Upper

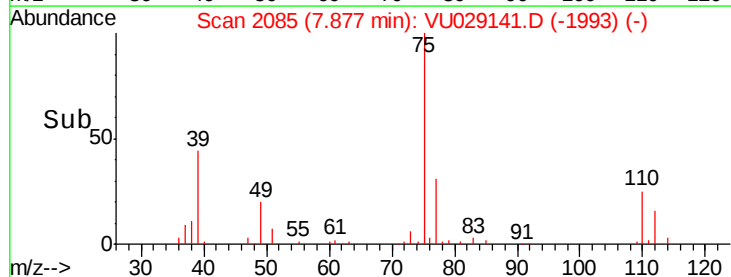
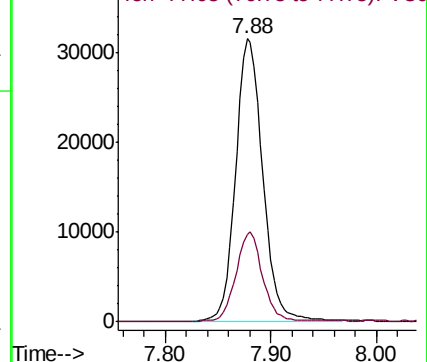
75 100

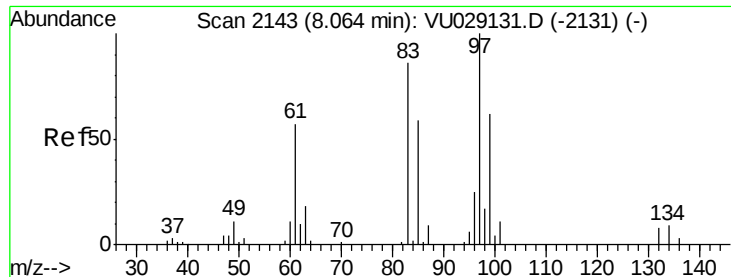
77 30.9 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

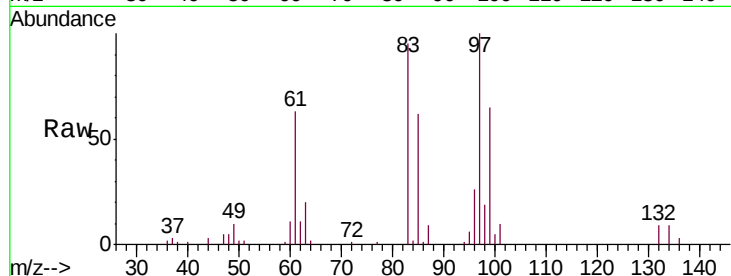




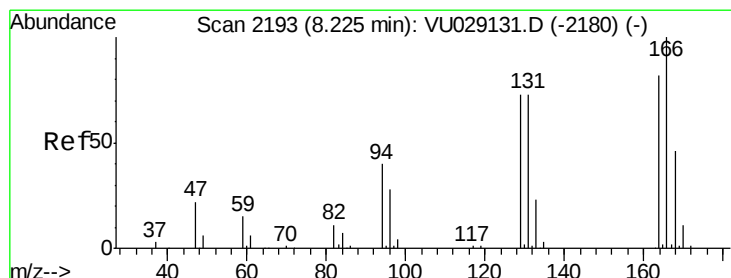
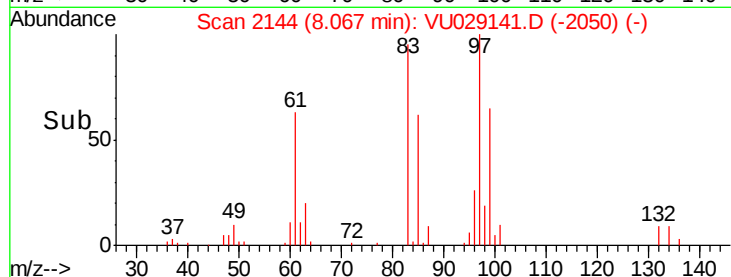
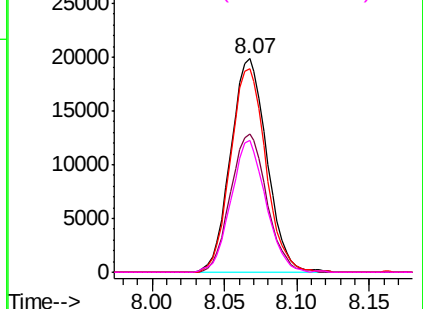
#45
 1,1,2-Trichloroethane
 Concen: 5.103 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion: 97 Resp: 34504
 Ion Ratio Lower Upper
 97 100
 99 64.9 42.4 78.6
 83 95.0 59.6 110.6
 85 61.7 39.0 72.4

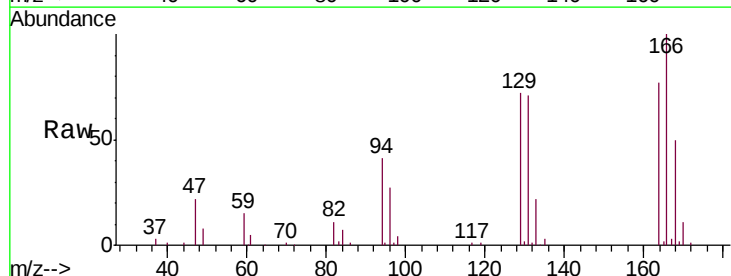


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

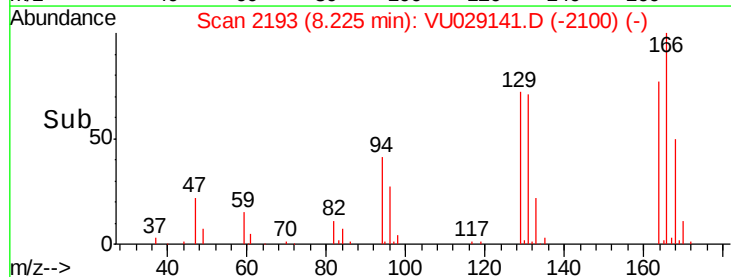
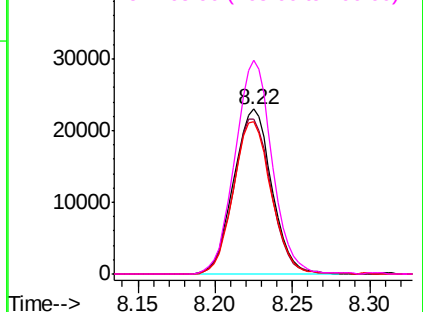


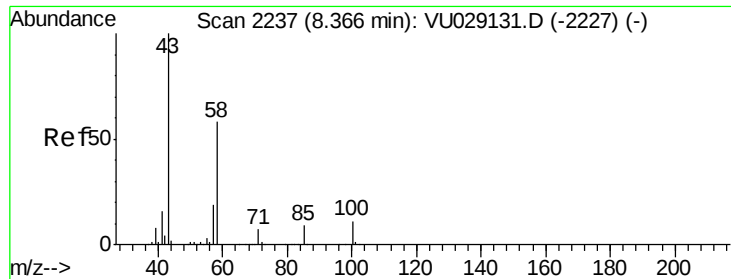
#47
 Tetrachloroethene
 Concen: 4.765 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Tgt Ion: 164 Resp: 39356
 Ion Ratio Lower Upper
 164 100
 129 94.0 65.3 121.3
 131 92.1 62.9 116.7
 166 129.6 86.7 160.9



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

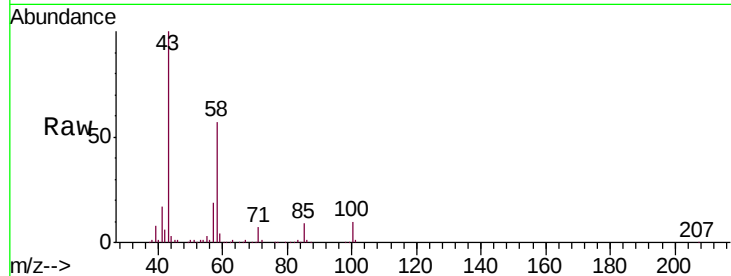




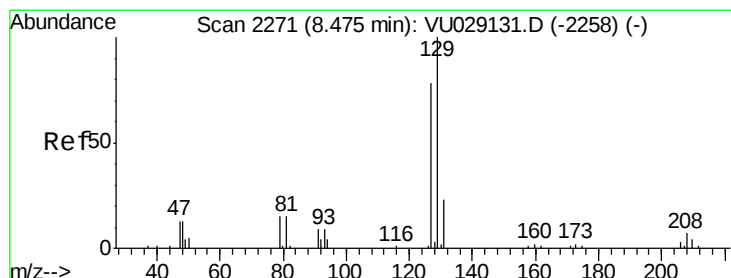
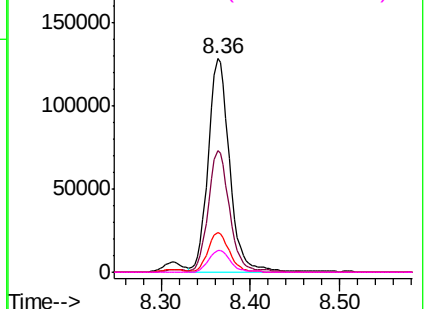
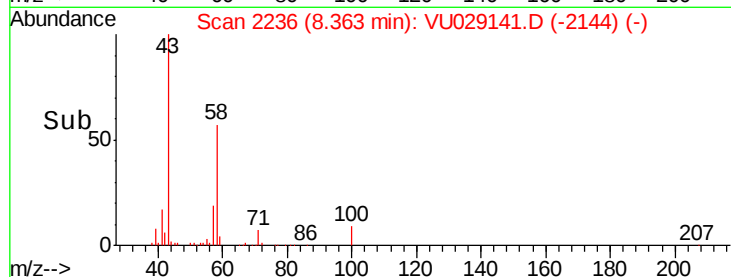
#48
2-Hexanone
Concen: 58.228 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

Tgt Ion:	43	Resp:	212955
Ion	Ratio	Lower	Upper
43	100		
58	56.6	48.8	73.2
57	18.3	16.0	24.0
100	10.6	10.2	15.4

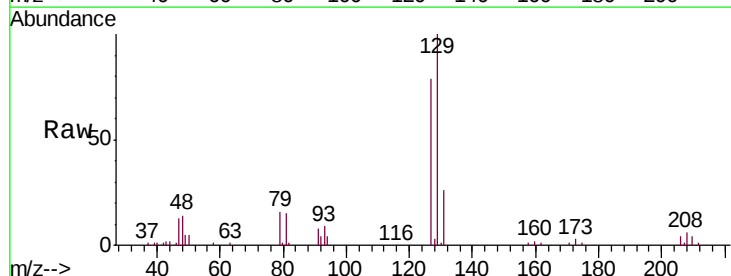


Abundance Ion 43.05 (42.75 to 43.75): VU029141.D (-2144) (-)
Ion 58.05 (57.75 to 58.75): VU029141.D (-2144) (-)
Ion 57.20 (56.90 to 57.90): VU029141.D (-2144) (-)
Ion 100.15 (99.85 to 100.85): VU029141.D (-2144) (-)

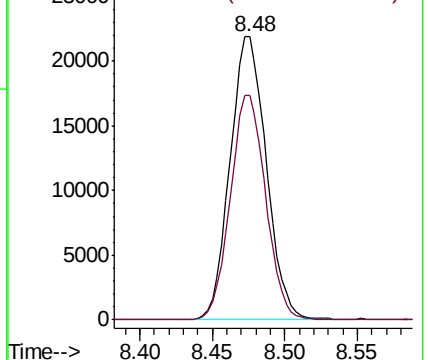
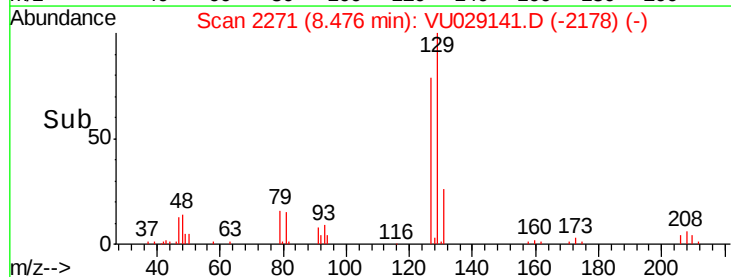


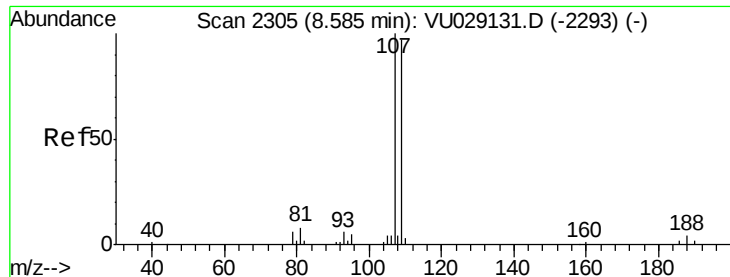
#49
Dibromochloromethane
Concen: 5.299 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

Tgt Ion:	129	Resp:	38044
Ion	Ratio	Lower	Upper
129	100		
127	79.3	54.4	101.0



Abundance Ion 128.95 (128.65 to 129.65): VU029141.D (-2178) (-)
Ion 126.90 (126.60 to 127.60): VU029141.D (-2178) (-)

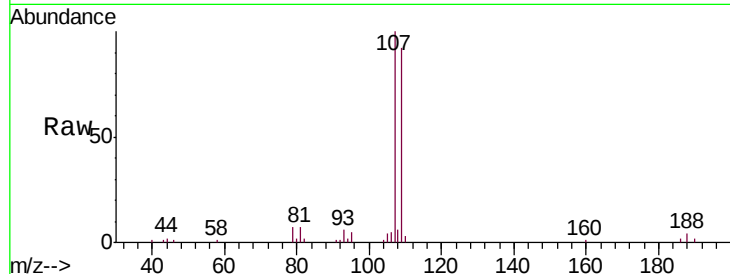




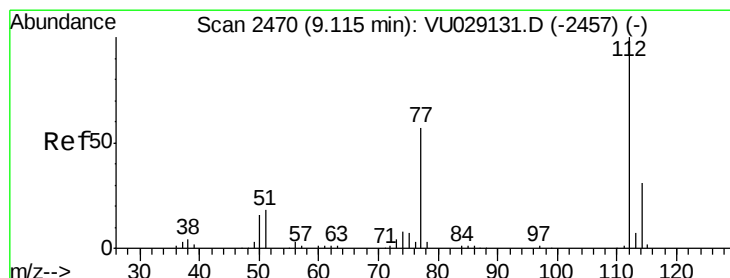
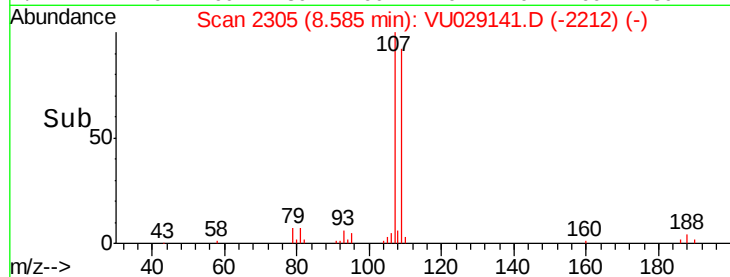
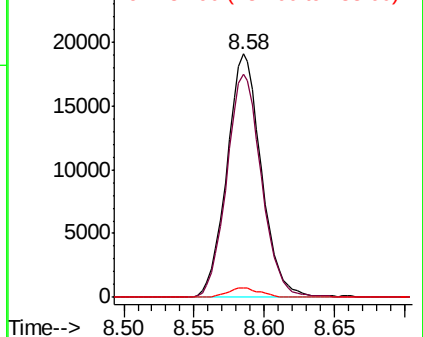
#50
 1,2-Dibromoethane
 Concen: 5.145 ug/L
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion:107 Resp: 32540
 Ion Ratio Lower Upper
 107 100
 109 91.6 64.0 119.0
 188 4.0 3.0 4.4

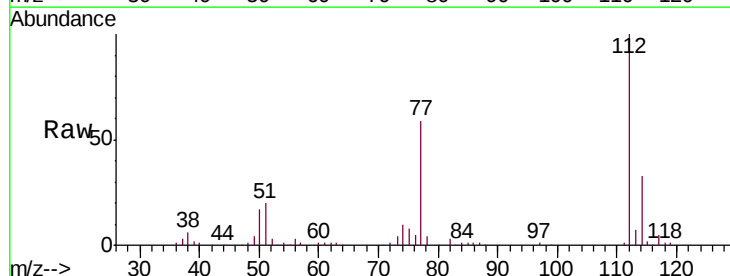


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

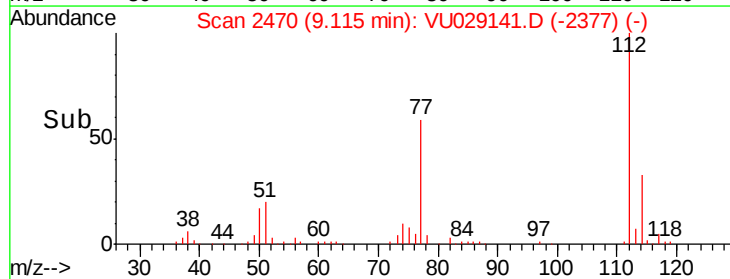
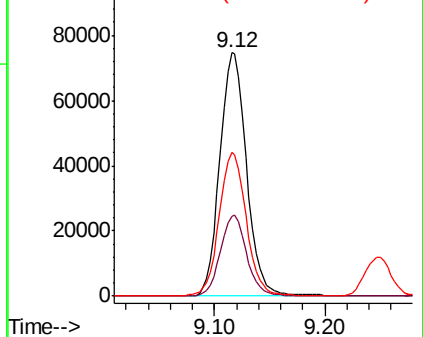


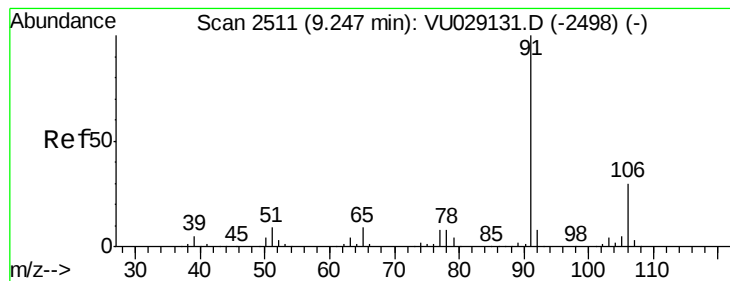
#51
 Chlorobenzene
 Concen: 4.806 ug/L
 RT: 9.12 min Scan# 2470
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Tgt Ion:112 Resp: 125862
 Ion Ratio Lower Upper
 112 100
 114 32.9 22.2 41.2
 77 59.2 44.9 67.3



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: 4.656 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampled :

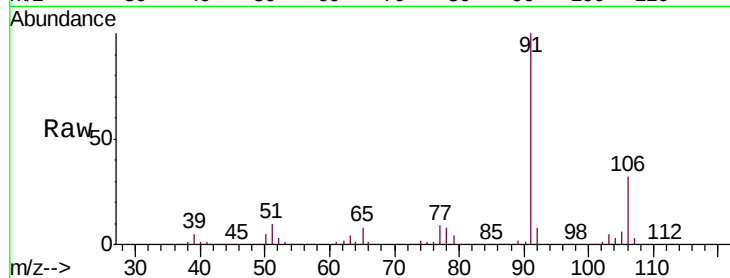
VSTD00554

Tgt Ion: 91 Resp: 206222

Ion Ratio Lower Upper

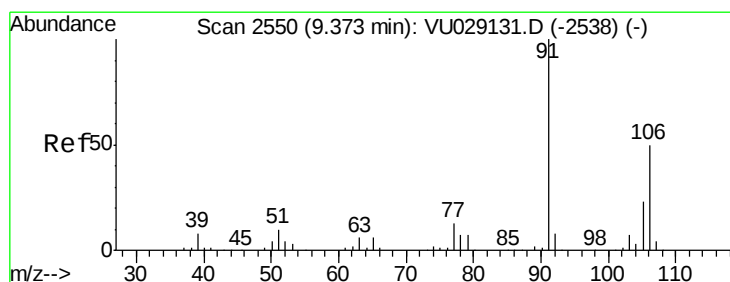
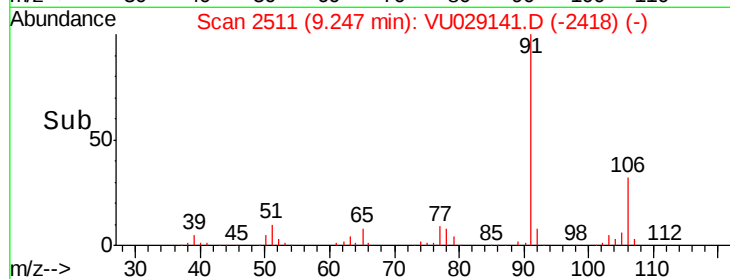
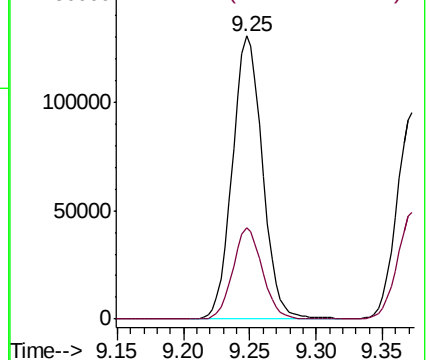
91 100

106 32.2 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VU029141.D (-2498) (-)

Ion 106.15 (105.85 to 106.85): VU029141.D (-2498) (-)



#53

m,p-xylene

Concen: 4.757 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029141.D

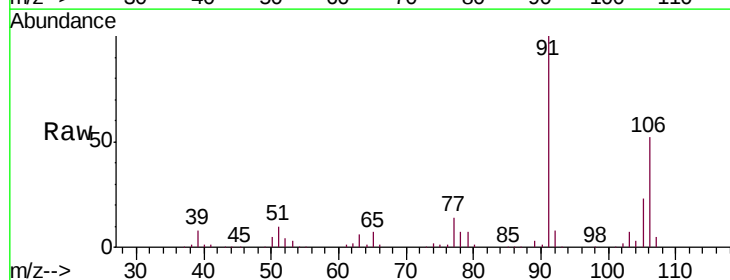
Acq: 11 Jan 2019 14:50

Tgt Ion: 106 Resp: 80181

Ion Ratio Lower Upper

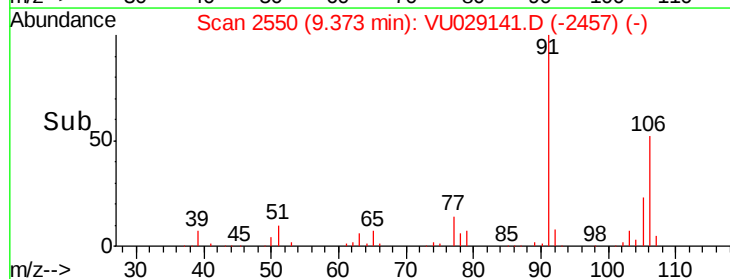
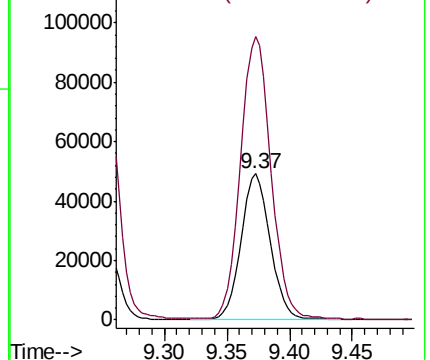
106 100

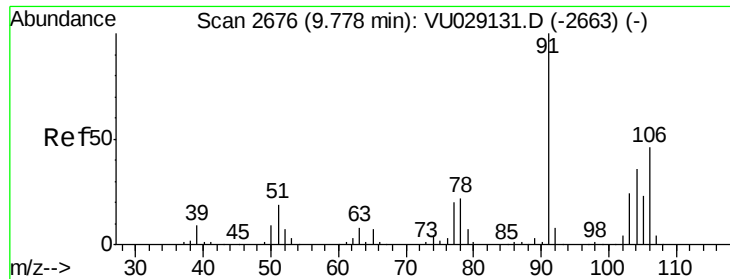
91 193.8 138.5 257.1



Abundance Ion 106.15 (105.85 to 106.85): VU029141.D (-2538) (-)

Ion 91.15 (90.85 to 91.85): VU029141.D (-2538) (-)

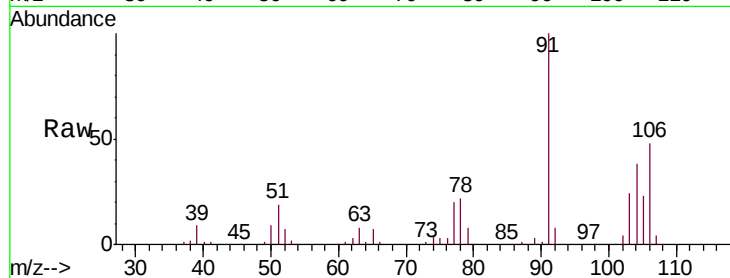




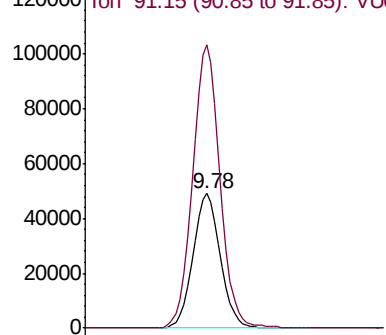
#54
o-xylene
Concen: 4.715 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

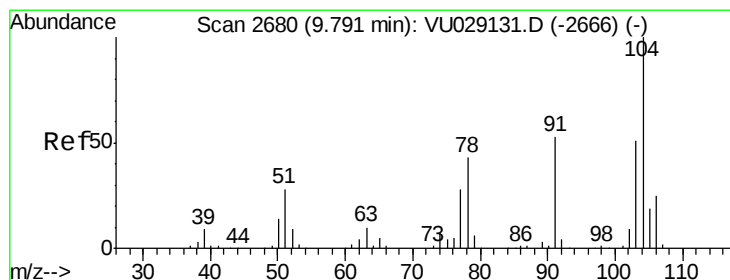
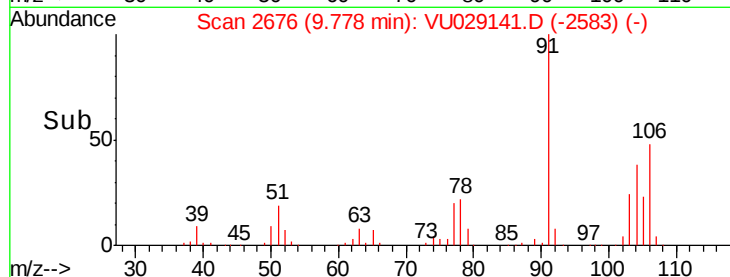
Tgt Ion:106 Resp: 77146
Ion Ratio Lower Upper
106 100
91 210.1 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

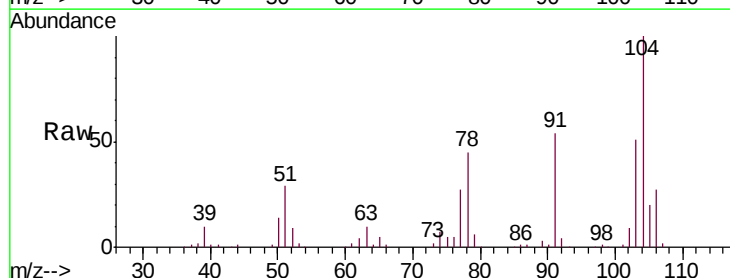


Time-->

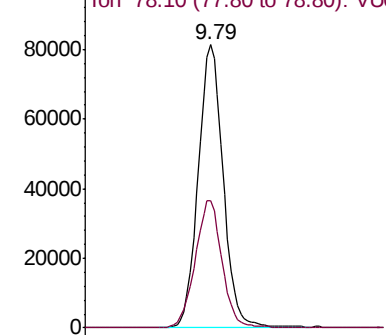


#55
Styrene
Concen: 4.906 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029141.D
Acq: 11 Jan 2019 14:50

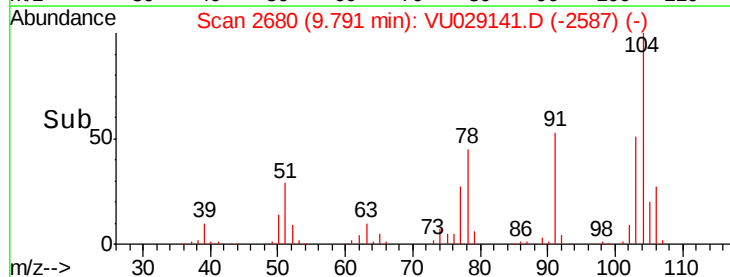
Tgt Ion:104 Resp: 133612
Ion Ratio Lower Upper
104 100
78 45.2 30.9 57.5

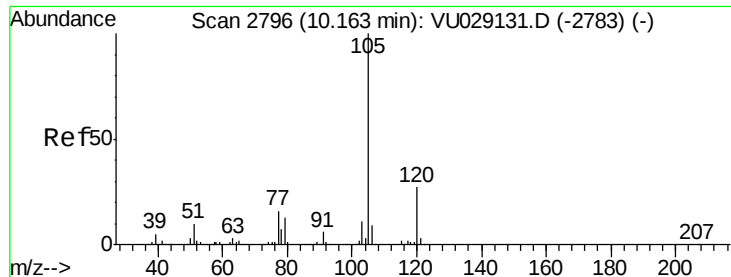


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 4.587 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

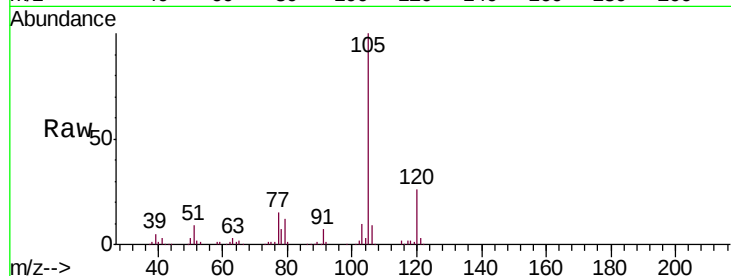
Tgt Ion: 105 Resp: 197932

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

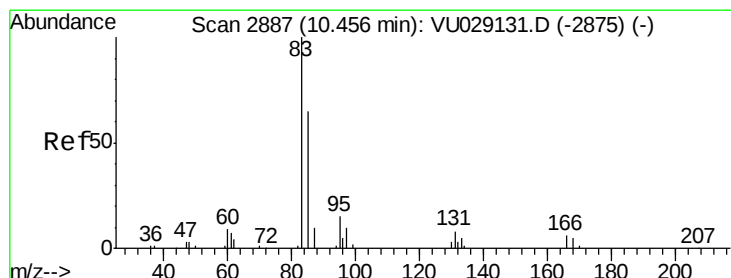
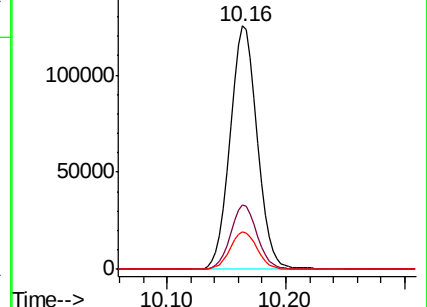
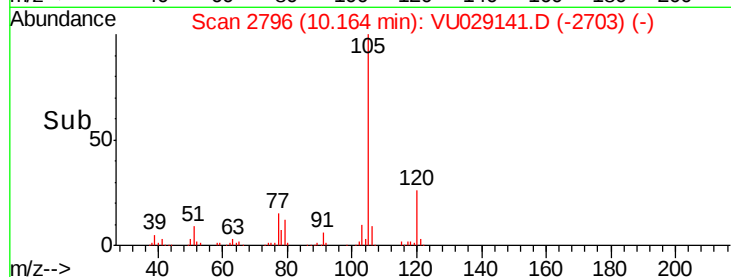
77 15.6 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.487 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

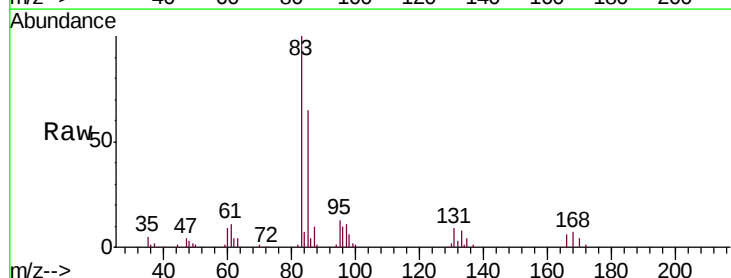
Tgt Ion: 83 Resp: 45419

Ion Ratio Lower Upper

83 100

85 65.3 44.0 81.8

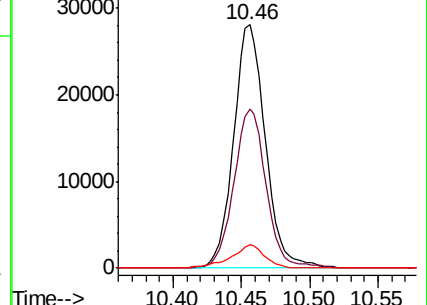
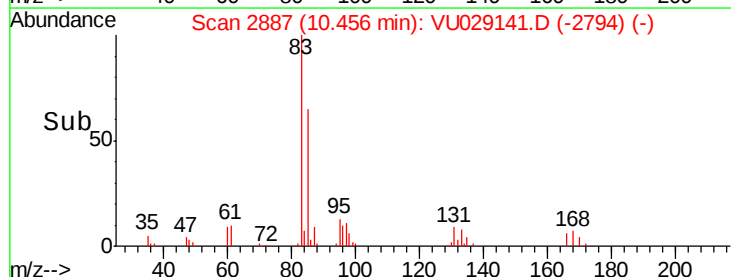
131 9.4 7.8 11.8

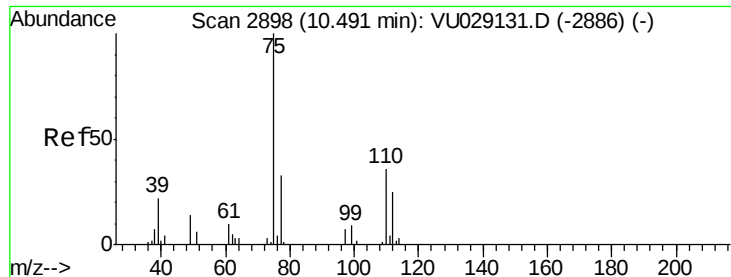


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

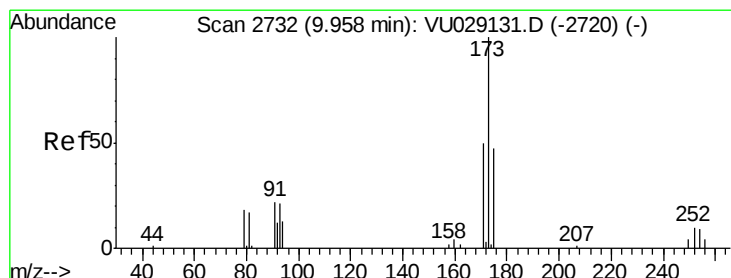
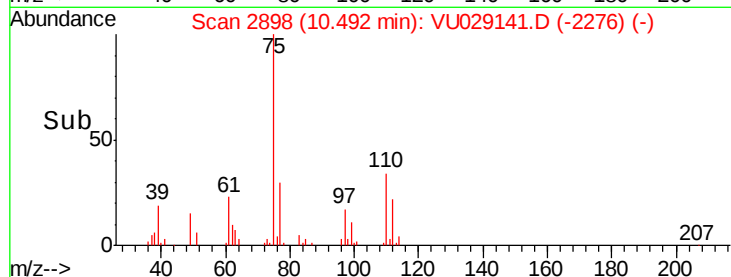
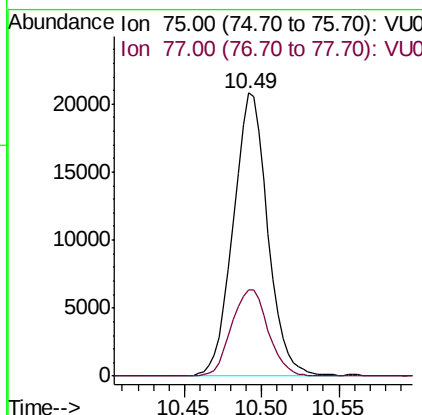
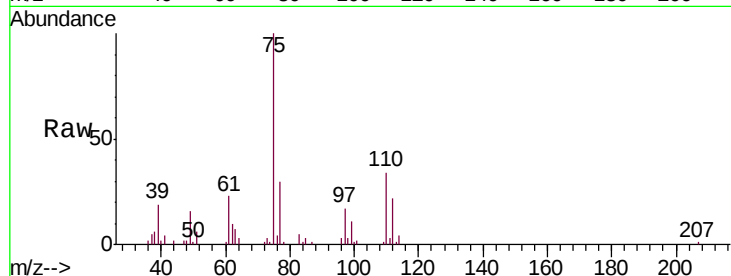




#59
 1,2,3-Trichloropropane
 Concen: 5.554 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

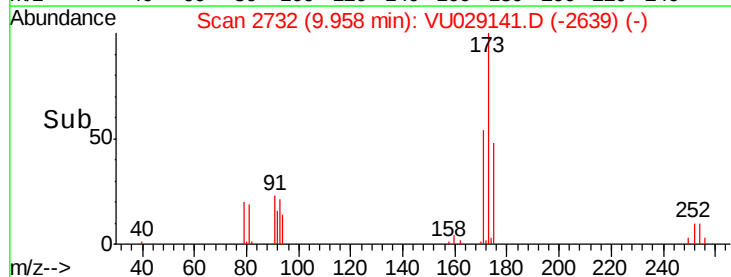
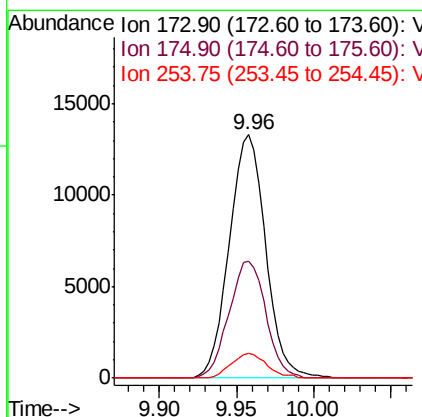
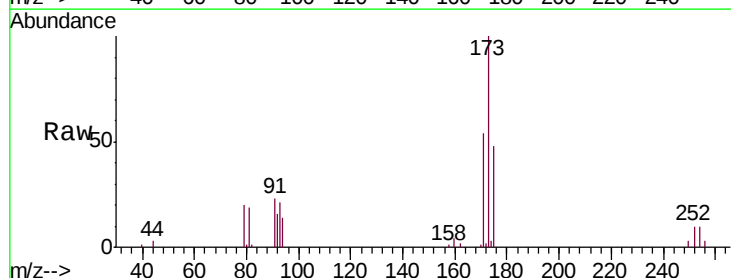
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

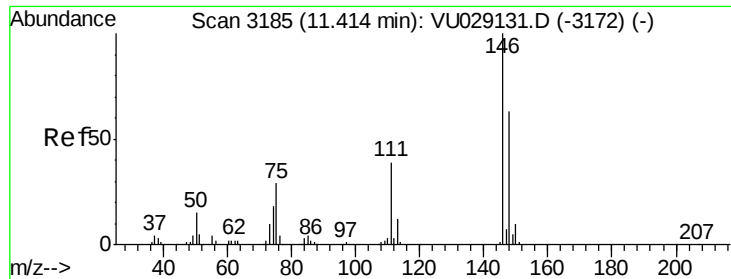
Tgt Ion: 75 Resp: 32173
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0



#61
 Bromoform
 Concen: 5.466 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Tgt Ion: 173 Resp: 21741
 Ion Ratio Lower Upper
 173 100
 175 48.5 35.4 53.2
 254 9.9 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.674 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

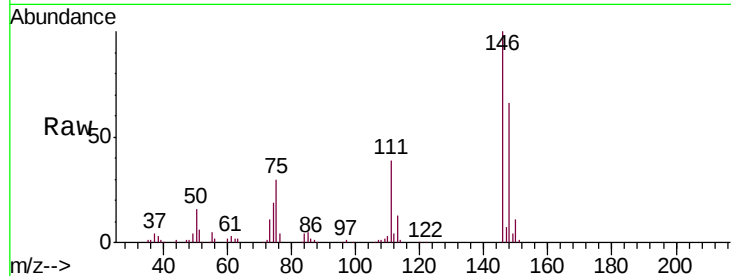
Tgt Ion:146 Resp: 92115

Ion Ratio Lower Upper

146 100

111 39.2 27.7 51.5

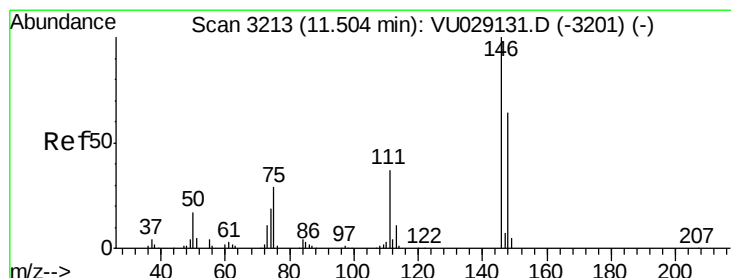
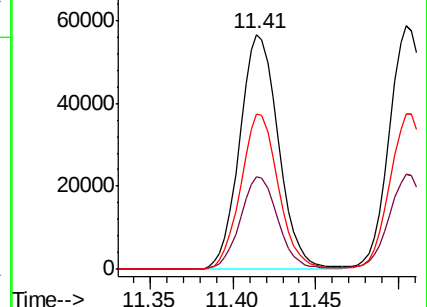
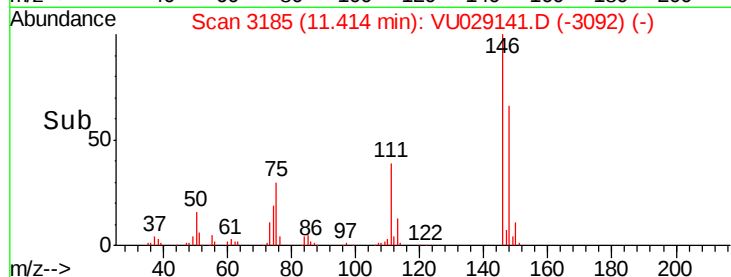
148 65.8 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.772 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

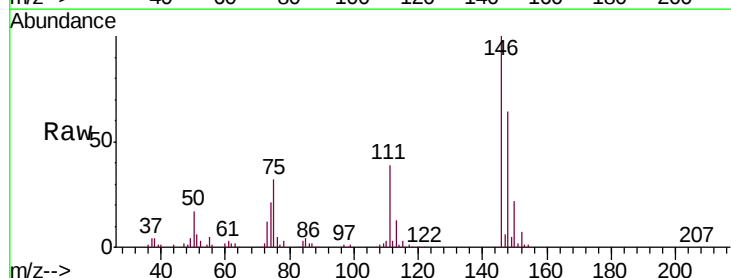
Tgt Ion:146 Resp: 95969

Ion Ratio Lower Upper

146 100

111 38.9 24.9 46.3

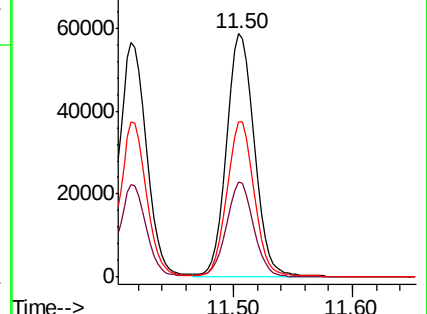
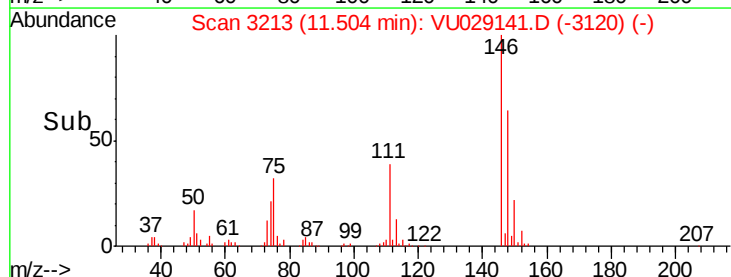
148 63.8 44.9 83.3

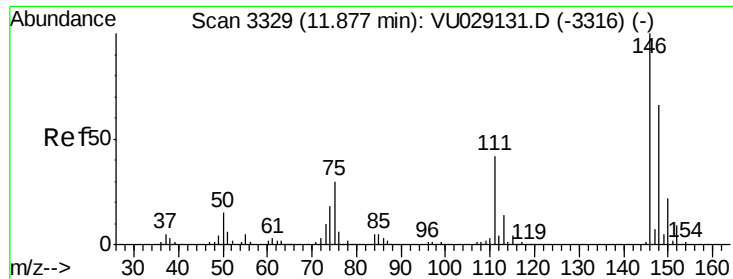


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.886 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

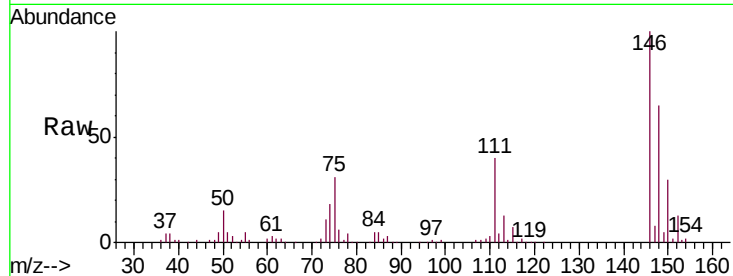
Tgt Ion:146 Resp: 91124

Ion Ratio Lower Upper

146 100

111 40.3 32.2 48.4

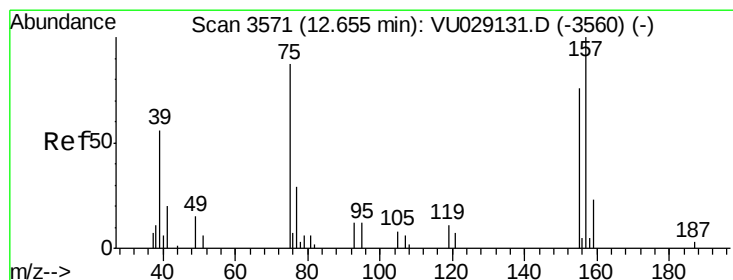
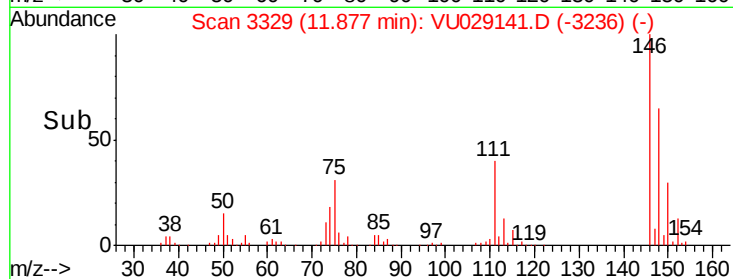
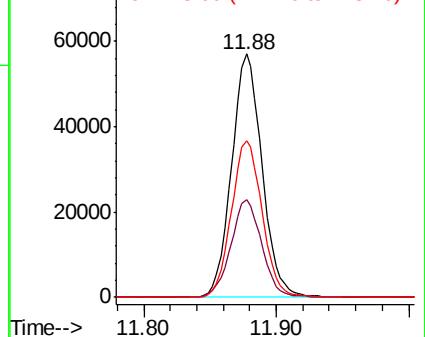
148 64.6 53.2 79.8



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: 6.144 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

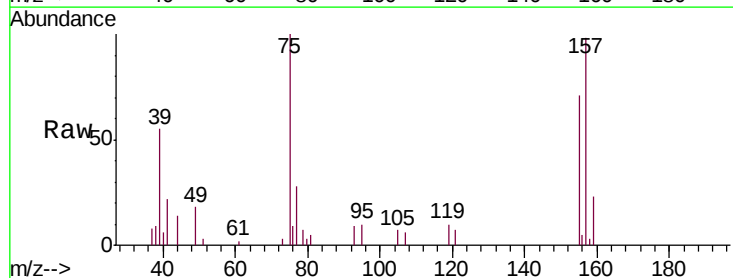
Tgt Ion: 75 Resp: 6765

Ion Ratio Lower Upper

75 100

155 71.3 72.2 108.2#

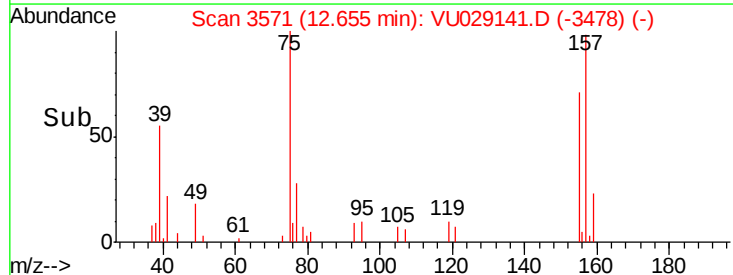
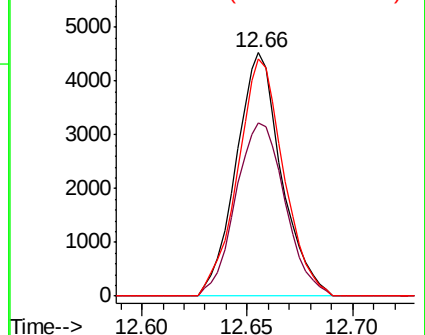
157 97.6 93.0 139.6

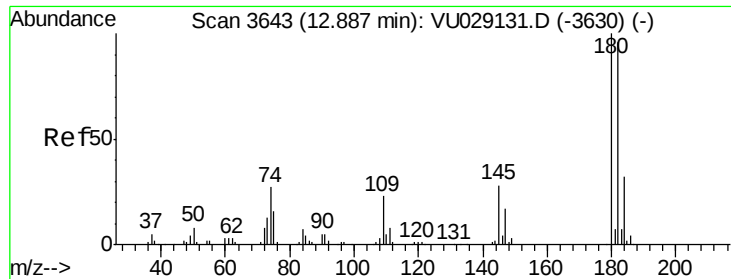


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

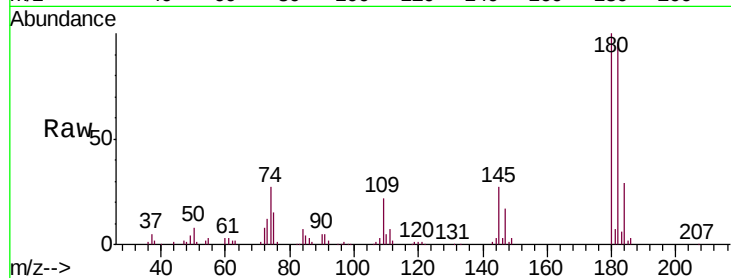




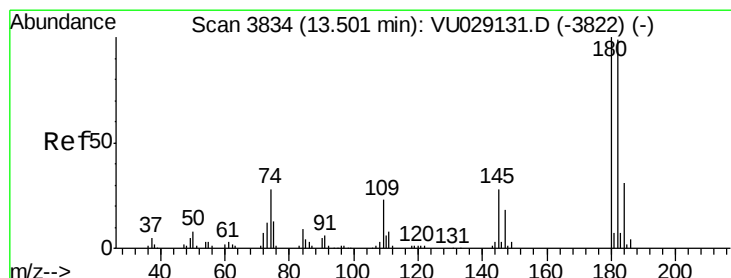
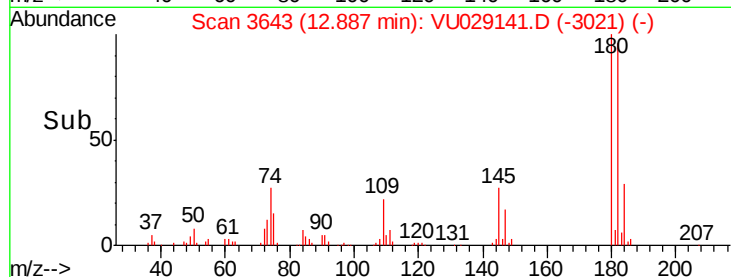
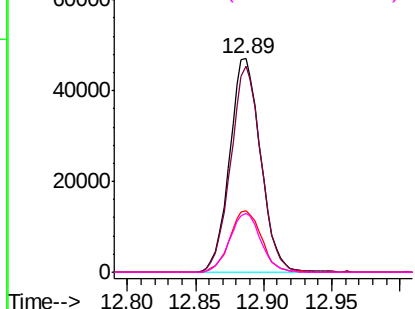
#67
 1,3,5-Trichlorobenzene
 Concen: 4.881 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion:	180	Resp:	74427
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	114.8
184	29.3	24.4	36.6
145	27.5	21.7	32.5

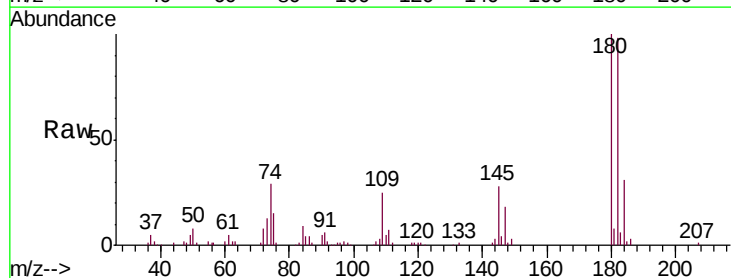


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

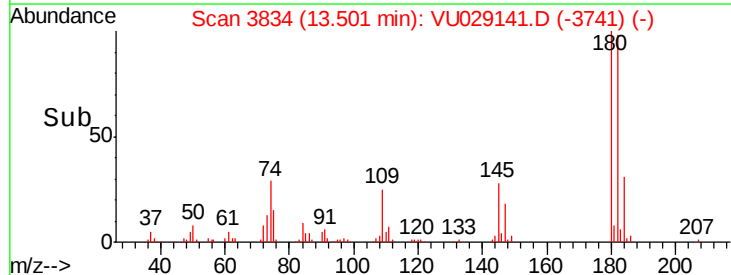
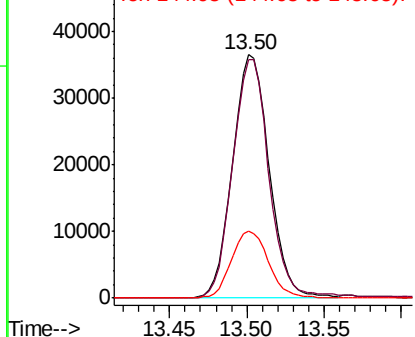


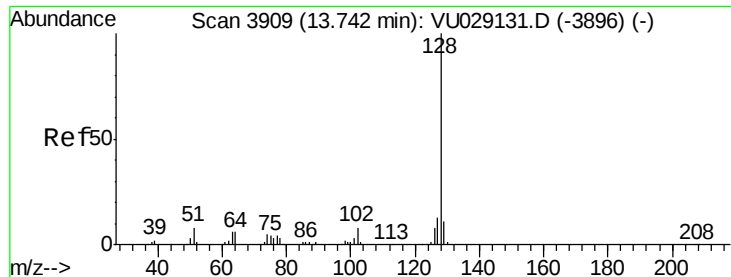
#68
 1,2,4-trichlorobenzene
 Concen: 4.722 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029141.D
 Acq: 11 Jan 2019 14:50

Tgt Ion:	180	Resp:	60003
Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.0	114.0
145	28.0	22.6	33.8



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: 4.451 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

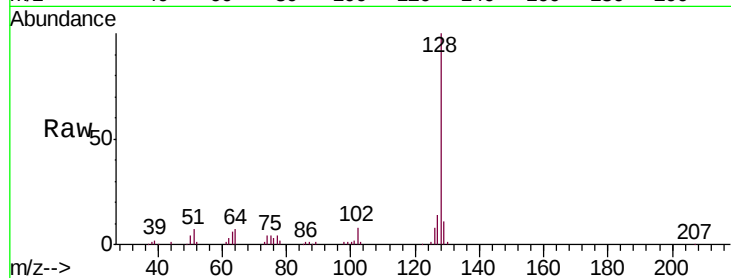
Tgt Ion:128 Resp: 96744

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

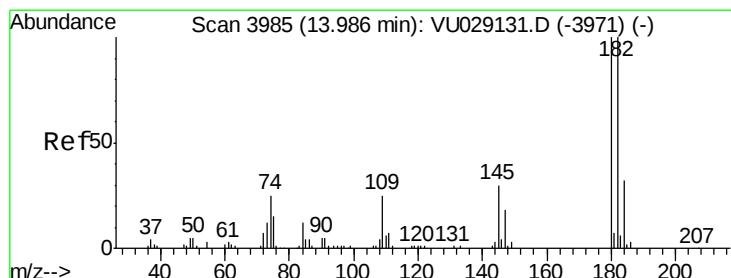
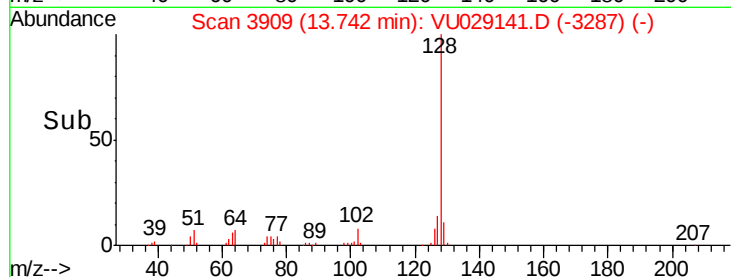
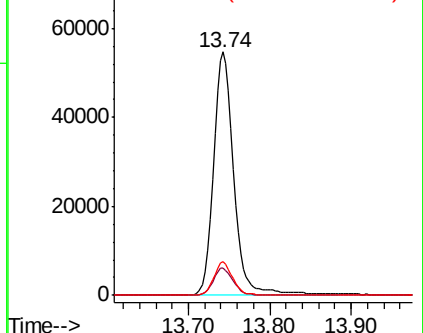
127 13.0 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.740 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029141.D

Acq: 11 Jan 2019 14:50

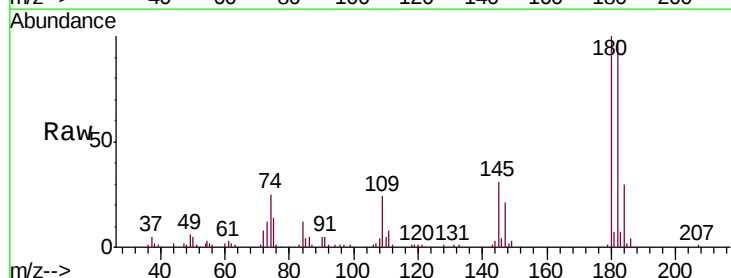
Tgt Ion:180 Resp: 57455

Ion Ratio Lower Upper

180 100

182 97.0 77.1 115.7

145 30.4 24.6 36.8



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

