

Data File : VU032933.D
Acq On : 21 Jun 2019 10:32
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Quant Time: Jun 21 23:27:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 21 23:24:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	87999	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	87840	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47899	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	20212	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	1.68	69	19191	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.27	63	49815	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	4.18	46	90167	56.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.94%
24) Chloroform-d	4.64	84	53280	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.30	65	30210	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
32) Benzene-d6	5.33	84	92290	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.32	67	31314	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.56	98	86651	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.85	79	13121	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.31	63	65818	45.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	30108	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	38565	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	40825	5.407 ug/L	99
3) Chloromethane	1.32	50	38975	4.977 ug/L	99
5) Vinyl chloride	1.40	62	39558	5.139 ug/L	98
6) Bromomethane	1.62	94	24941	5.312 ug/L	97
8) Chloroethane	1.69	64	23129	4.703 ug/L	98
9) Trichlorofluoromethane	1.88	101	57675	5.236 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	30224	5.161 ug/L	98
12) 1,1-Dichloroethene	2.28	96	26802	4.794 ug/L	92
13) Acetone	2.32	43	67138	54.174 ug/L	94
14) Carbon disulfide	2.47	76	83821	4.681 ug/L	99
15) Methyl Acetate	2.61	43	16118	4.740 ug/L	97
16) Methylene chloride	2.69	84	31428	5.069 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	79991	4.892 ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	29494	4.889 ug/L	94
19) 1,1-Dichloroethane	3.43	63	59891	5.547 ug/L	97
21) 2-Butanone	4.27	43	100002	55.481 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	33347	4.885 ug/L	93

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	15370	5.231	ug/L #	90
25) Chloroform	4.67	83	61265	5.554	ug/L	96
27) 1,2-Dichloroethane	5.40	62	42832	5.908	ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	53559	5.004	ug/L	96
30) Cyclohexane	4.98	56	47424	4.192	ug/L	97
31) Carbon tetrachloride	5.12	117	47378	4.868	ug/L	98
33) Benzene	5.38	78	124404	4.804	ug/L	100
34) Trichloroethene	6.18	95	33928	4.554	ug/L	99
35) Methylcyclohexane	6.41	83	49870	4.162	ug/L	94
37) 1,2-Dichloropropane	6.43	63	35185	5.251	ug/L	99
38) Bromodichloromethane	6.75	83	44102	5.121	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	49653	4.827	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	244294	51.231	ug/L	95
42) Toluene	7.63	91	136817	4.740	ug/L	96
44) trans-1,3-Dichloropropene	7.87	75	41497	5.052	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	24485	5.022	ug/L	97
47) Tetrachloroethene	8.22	164	27765	4.736	ug/L	95
48) 2-Hexanone	8.36	43	174684	51.262	ug/L	97
49) Dibromochloromethane	8.47	129	30400	4.875	ug/L	99
50) 1,2-Dibromoethane	8.58	107	23428	4.822	ug/L	97
51) Chlorobenzene	9.11	112	87612	4.841	ug/L	100
52) Ethylbenzene	9.24	91	146494	4.605	ug/L	99
53) m,p-Xylene	9.37	106	54034	4.481	ug/L	96
54) o-Xylene	9.77	106	54058	4.491	ug/L	96
55) Styrene	9.79	104	92655	4.679	ug/L	96
56) Isopropylbenzene	10.16	105	143988	4.535	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.45	83	32722	5.248	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	22950	5.216	ug/L	98
61) Bromoform	9.95	173	17451	4.535	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	71576	4.578	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	71580	4.503	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	70806	4.686	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5281	4.978	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	59604	4.756	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	46780	4.630	ug/L	99
69) Naphthalene	13.74	128	69811	3.941	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	44620	4.434	ug/L	96

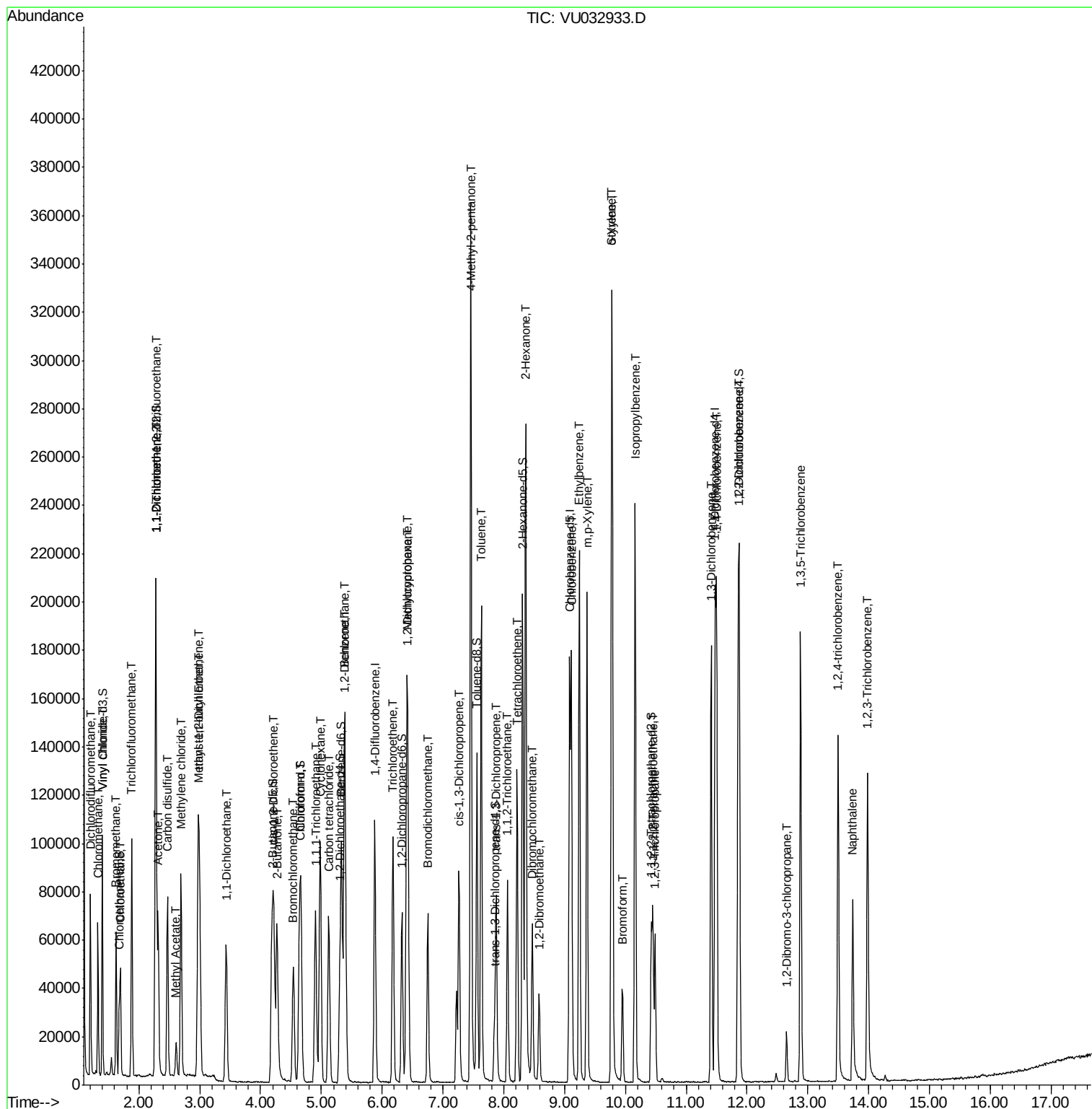
(#) = qualifier out of range (m) = manual integration (+) = signals summed

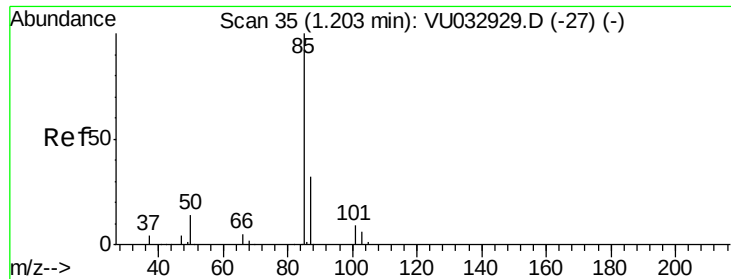
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#2

Dichlorodifluoromethane

Concen: 5.407 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

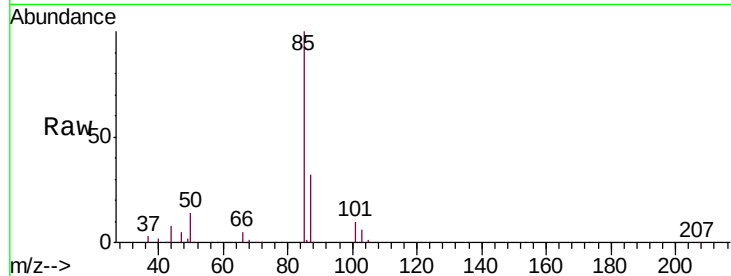
VSTD00505

Tgt Ion: 85 Resp: 40825

Ion Ratio Lower Upper

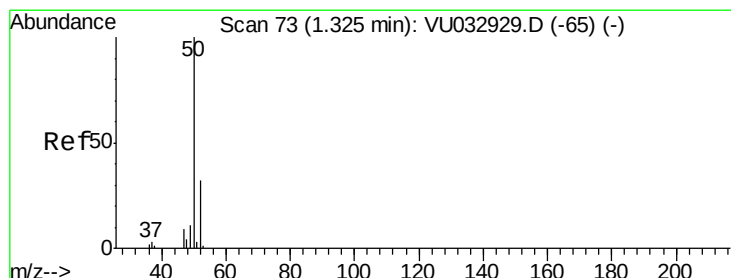
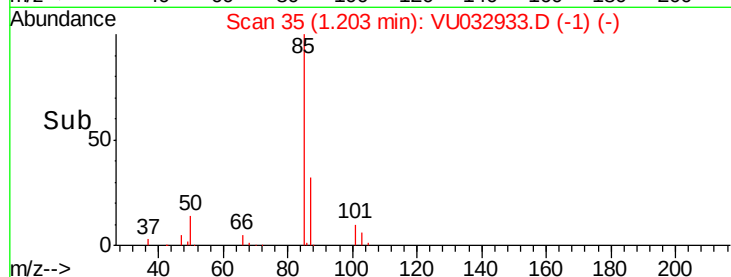
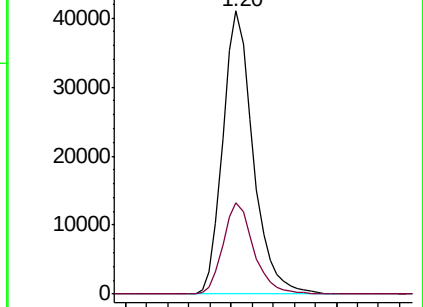
85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032929.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032929.D (-27) (-)



#3

Chloromethane

Concen: 4.977 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032933.D

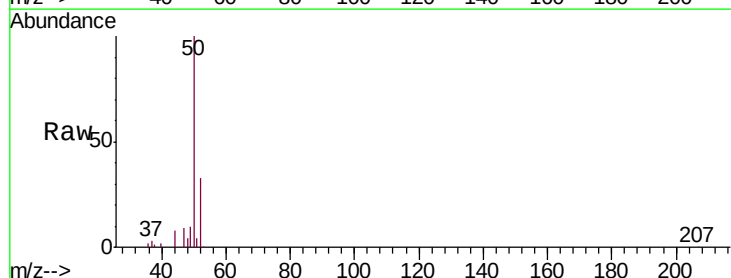
Acq: 21 Jun 2019 10:32

Tgt Ion: 50 Resp: 38975

Ion Ratio Lower Upper

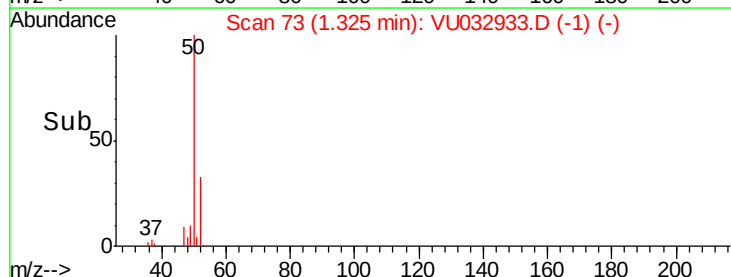
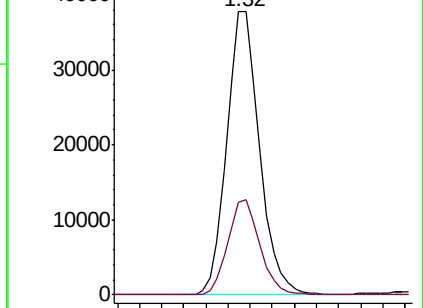
50 100

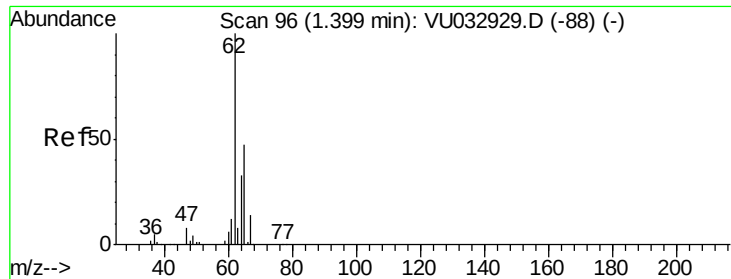
52 32.7 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032929.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032929.D (-65) (-)





#5

Vinyl chloride

Concen: 5.139 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

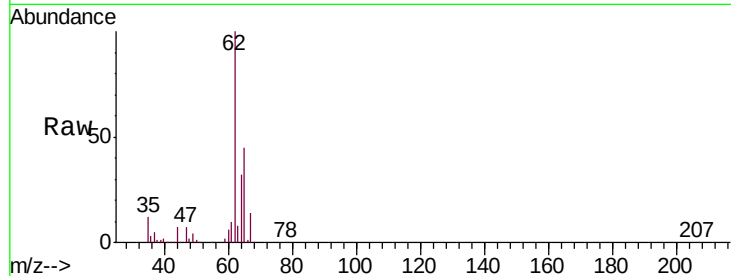
VSTD00505

Tgt Ion: 62 Resp: 39558

Ion Ratio Lower Upper

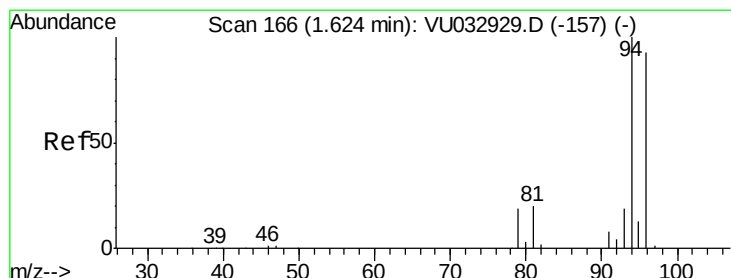
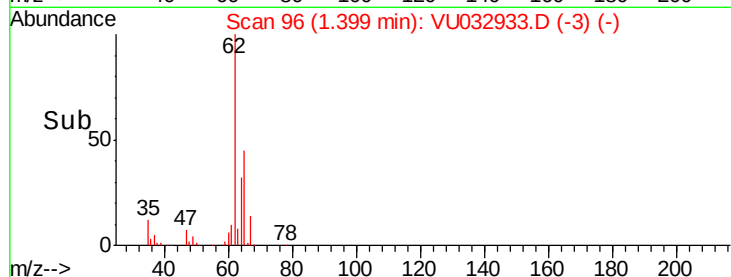
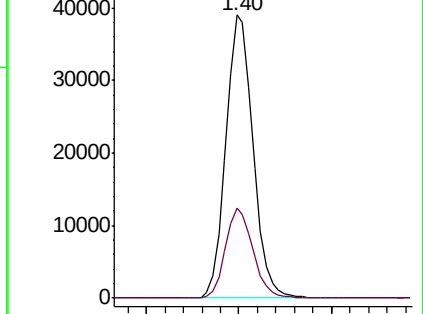
62 100

64 31.7 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032929.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032929.D (-88) (-)



#6

Bromomethane

Concen: 5.312 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU032933.D

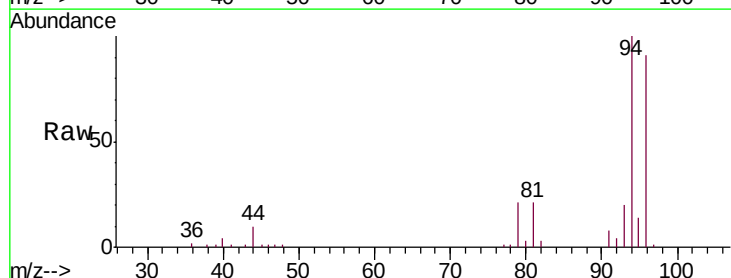
Acq: 21 Jun 2019 10:32

Tgt Ion: 94 Resp: 24941

Ion Ratio Lower Upper

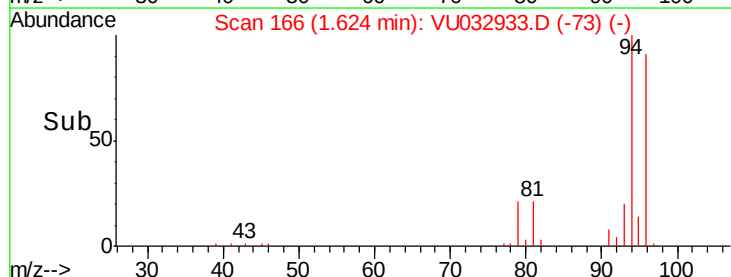
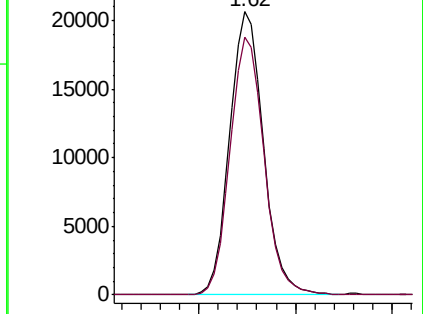
94 100

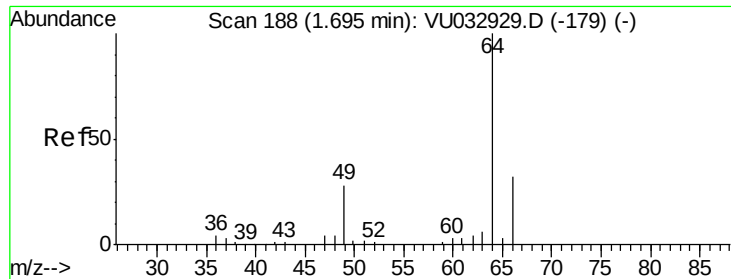
96 90.9 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032929.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU032929.D (-157) (-)

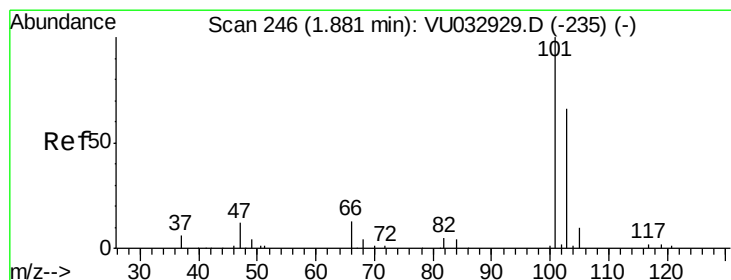
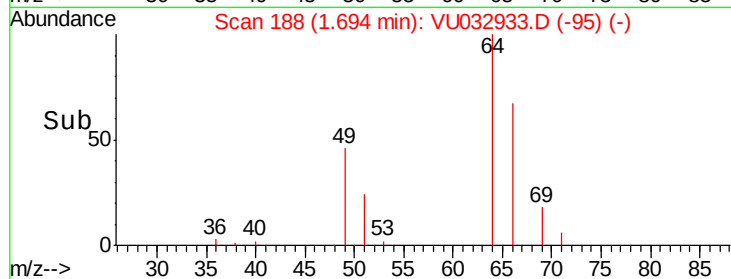
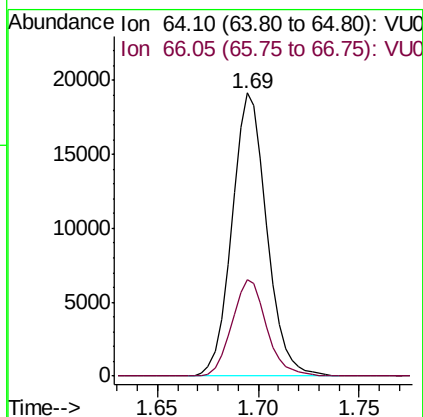
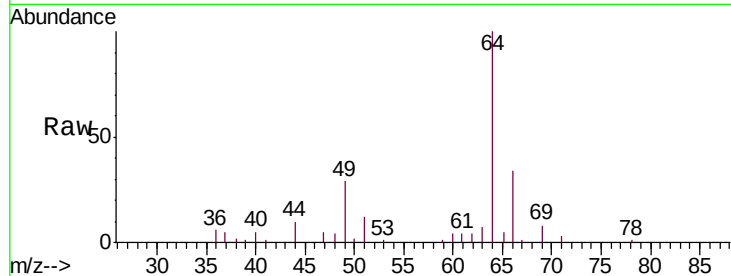




#8
Chloroethane
Concen: 4.703 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

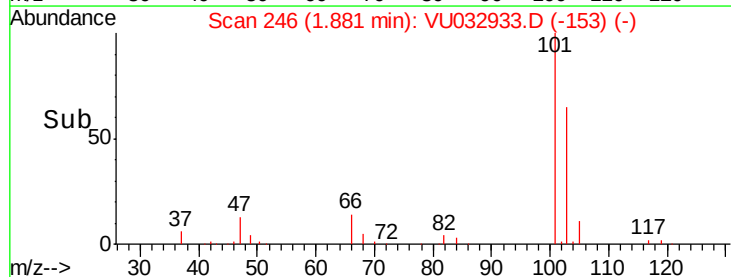
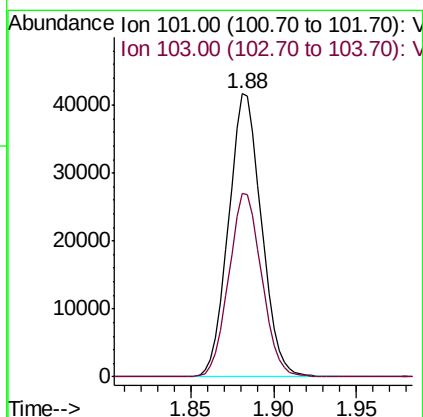
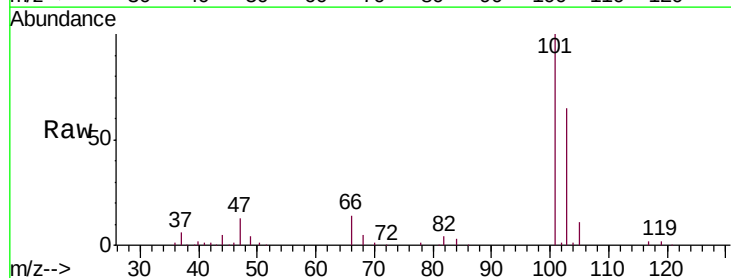
Instrument :
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ClientSampleId :
VSTD00505

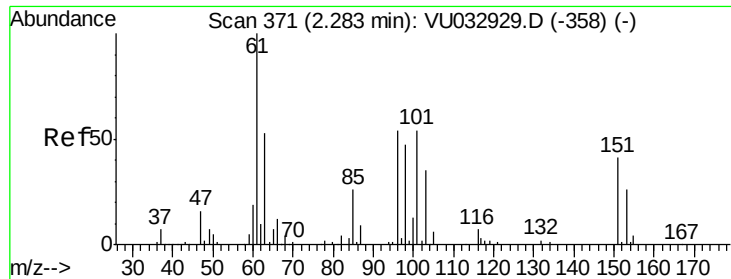
Tgt Ion: 64 Resp: 23129
Ion Ratio Lower Upper
64 100
66 34.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.236 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

Tgt Ion: 101 Resp: 57675
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.2





#10

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

Concen: 5.161 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

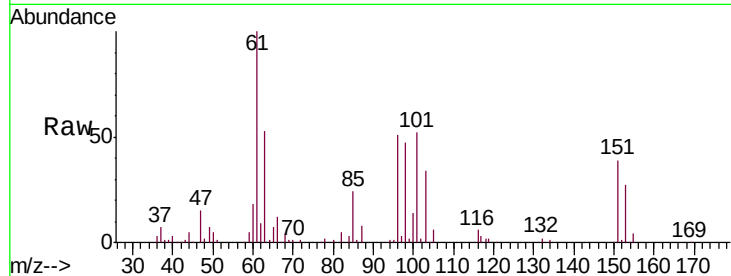
Tgt Ion:101 Resp: 30224

Ion Ratio Lower Upper

101 100

85 47.0 38.9 58.3

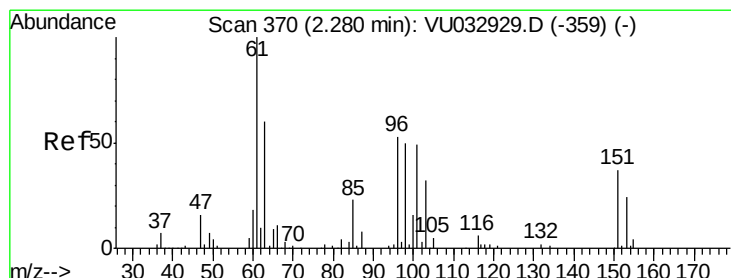
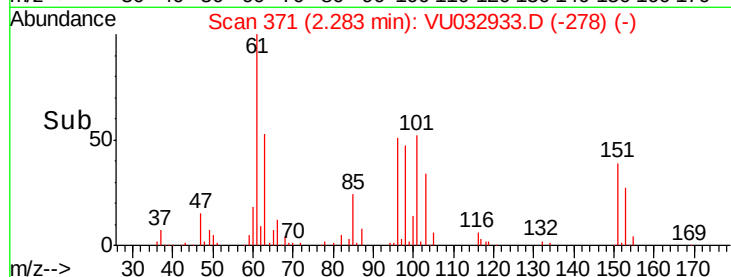
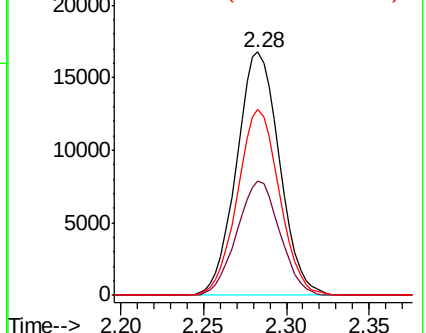
151 74.6 61.0 91.4



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: 4.794 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

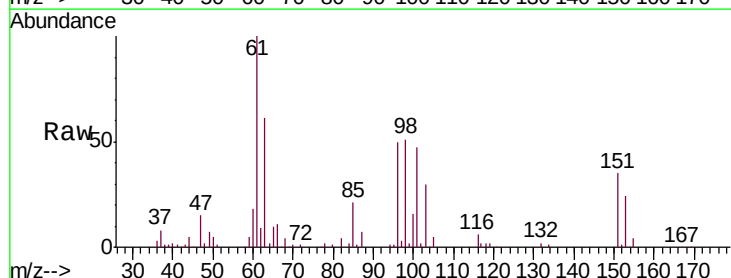
Tgt Ion: 96 Resp: 26802

Ion Ratio Lower Upper

96 100

61 201.9 131.8 244.8

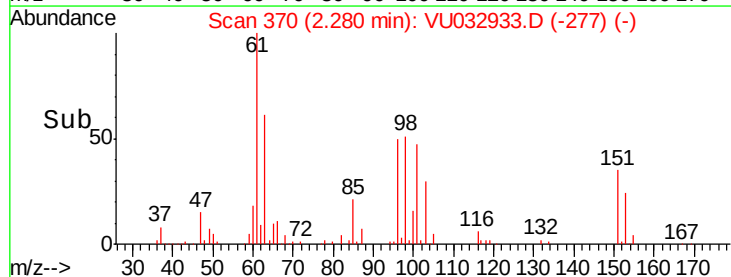
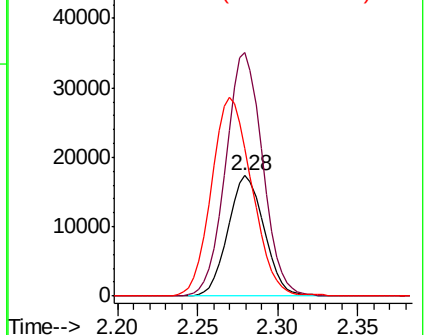
63 122.5 90.1 167.3

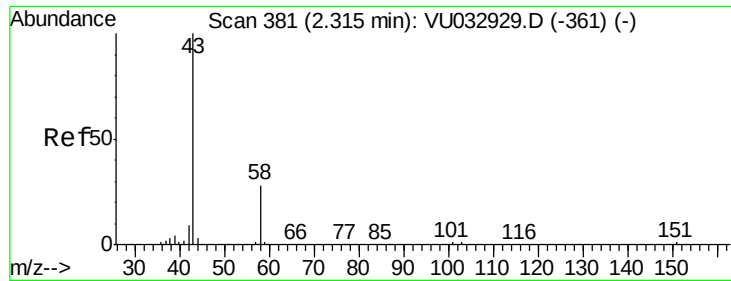


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.174 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

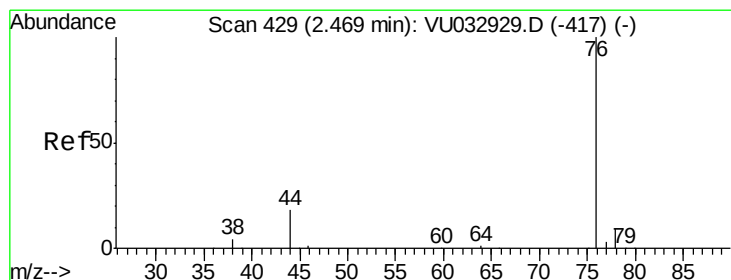
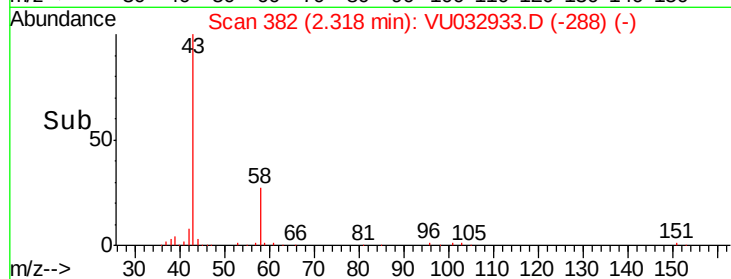
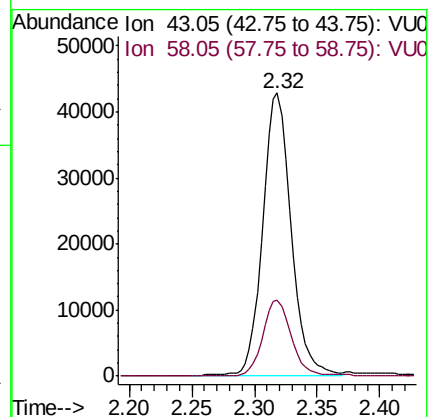
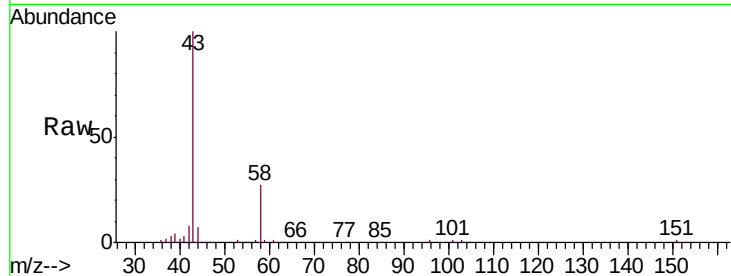
VSTD00505

Tgt Ion: 43 Resp: 67138

Ion Ratio Lower Upper

43 100

58 27.1 0.0 60.8



#14

Carbon disulfide

Concen: 4.681 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032933.D

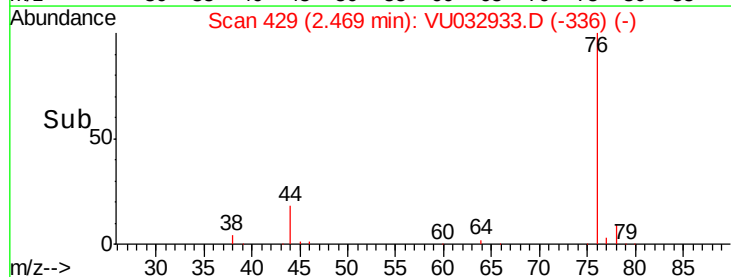
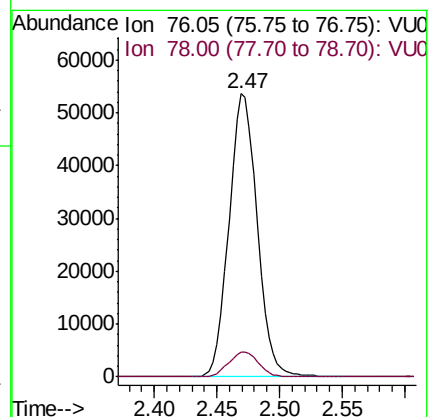
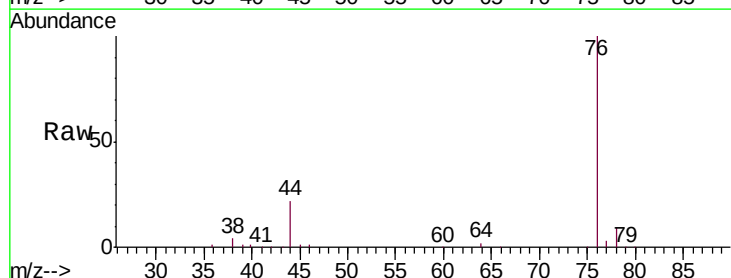
Acq: 21 Jun 2019 10:32

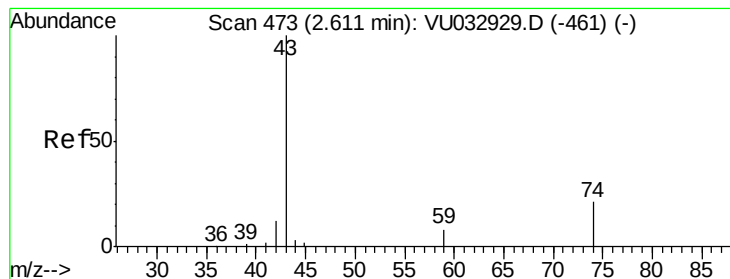
Tgt Ion: 76 Resp: 83821

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9





#15

Methyl Acetate

Concen: 4.740 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

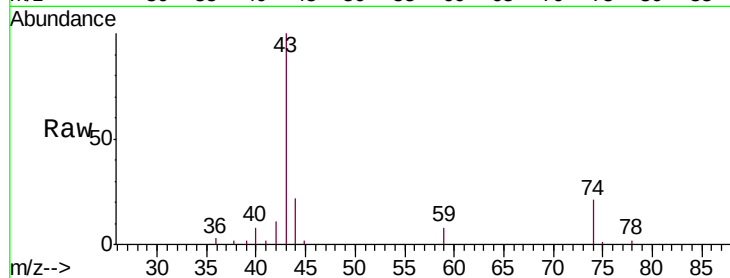
VSTD00505

Tgt Ion: 43 Resp: 16118

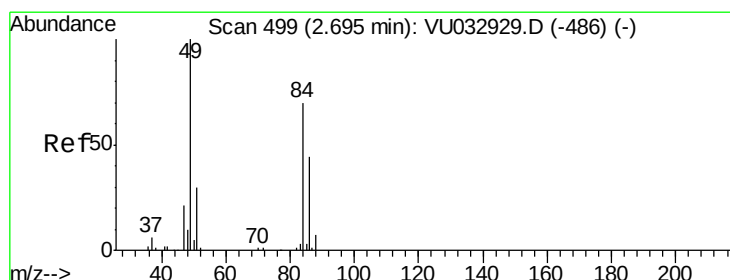
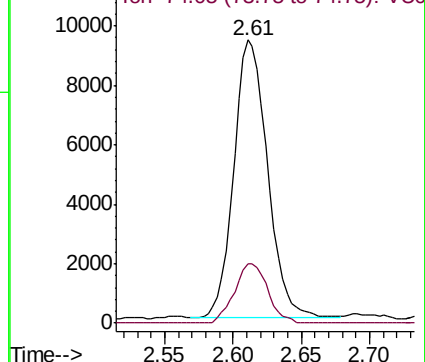
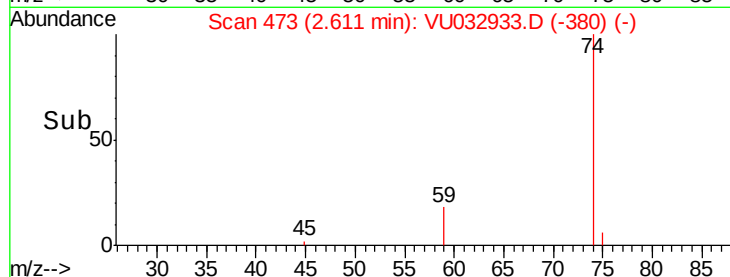
Ion Ratio Lower Upper

43 100

74 20.9 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU032933.D (-380) (-)



#16

Methylene chloride

Concen: 5.069 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

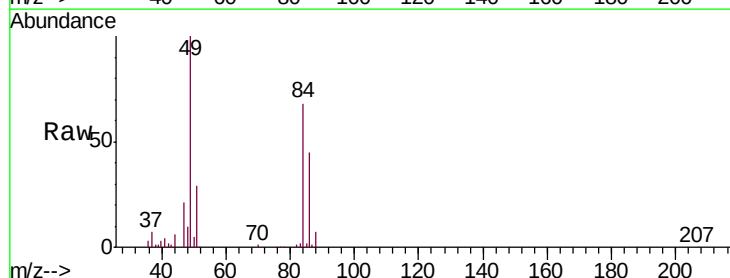
Tgt Ion: 84 Resp: 31428

Ion Ratio Lower Upper

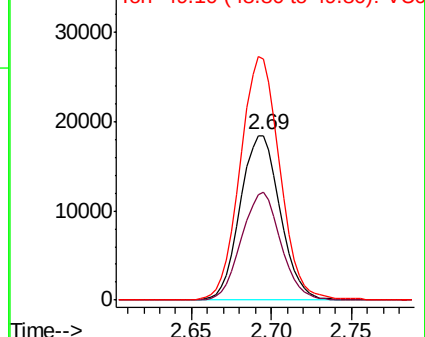
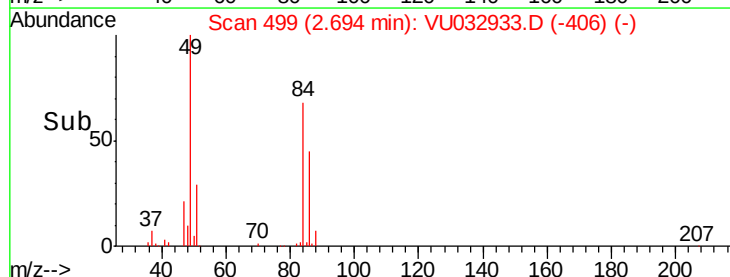
84 100

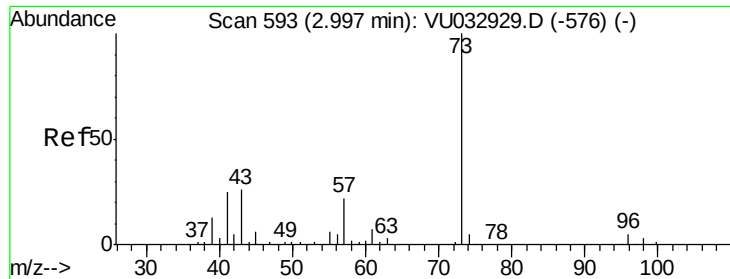
86 65.4 47.2 87.6

49 146.6 95.9 178.1



Abundance Ion 84.05 (83.75 to 84.75): VU032933.D (-406) (-)

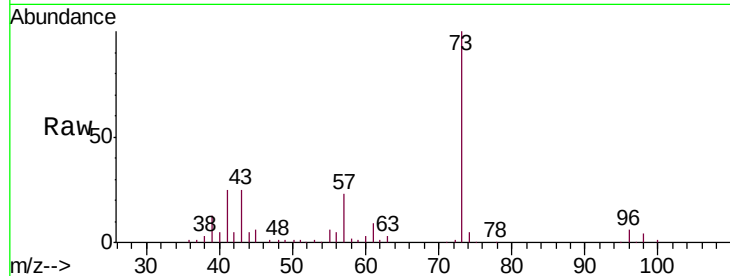




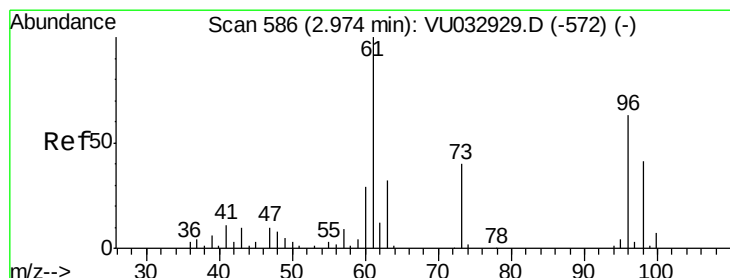
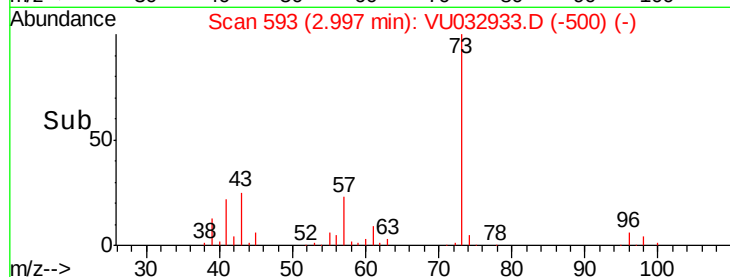
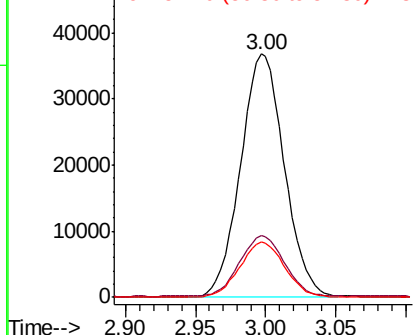
#17
Methyl tert-butyl Ether
Concen: 4.892 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 73 Resp: 79991
Ion Ratio Lower Upper
73 100
43 25.4 18.6 27.8
57 23.4 18.3 27.5

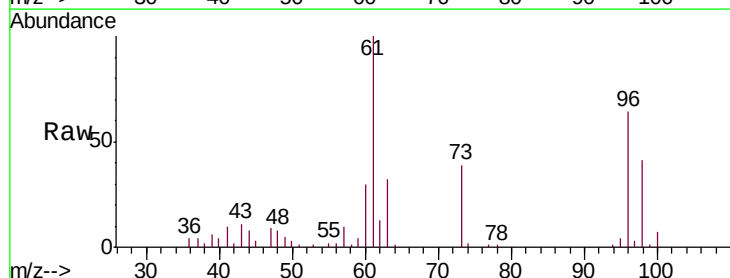


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

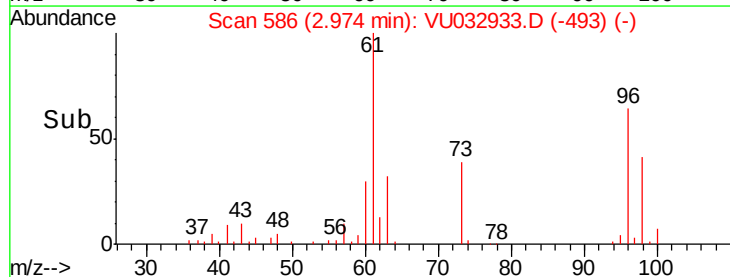
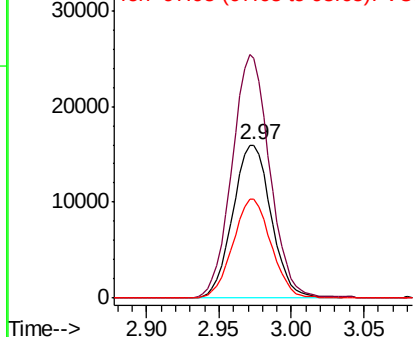


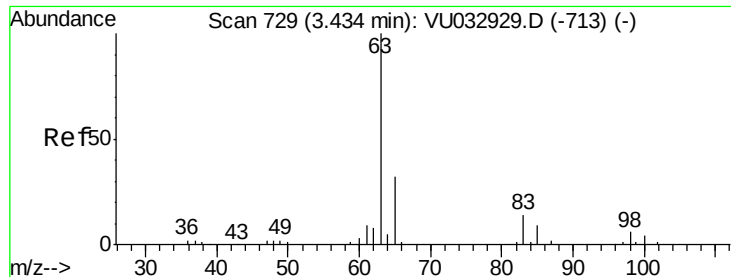
#18
trans-1,2-Dichloroethene
Concen: 4.889 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

Tgt Ion: 96 Resp: 29494
Ion Ratio Lower Upper
96 100
61 156.9 103.1 191.5
98 64.3 43.7 81.1



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

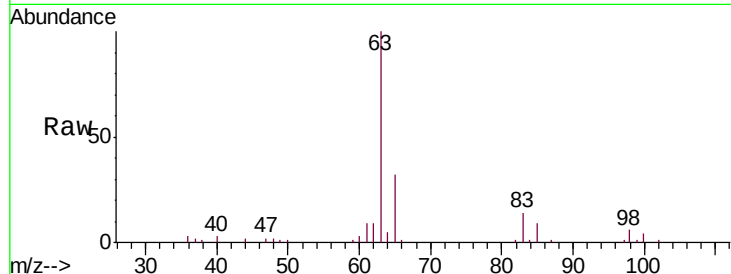




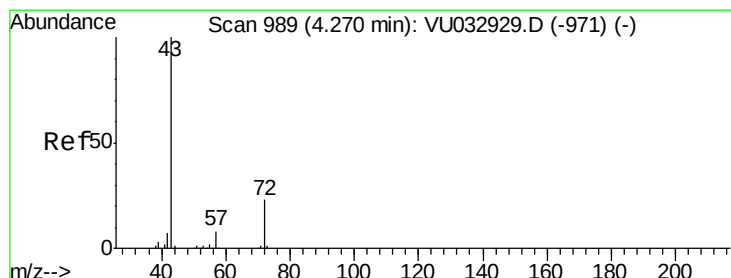
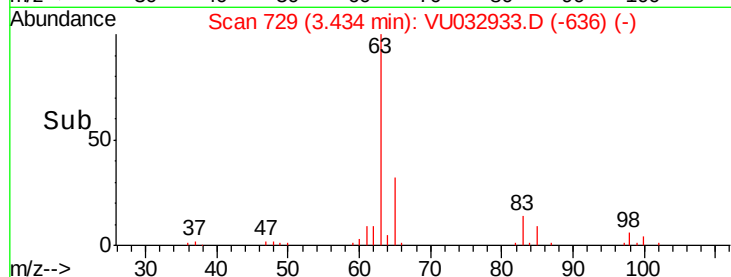
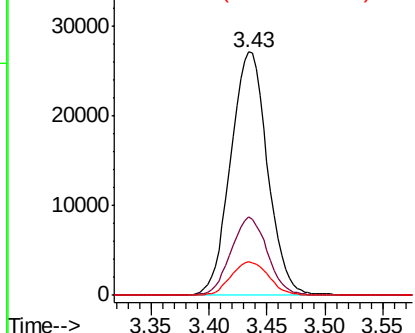
#19
 1,1-Dichloroethane
 Concen: 5.547 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion: 63 Resp: 59891
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.3 39.6
 83 13.6 10.1 18.7

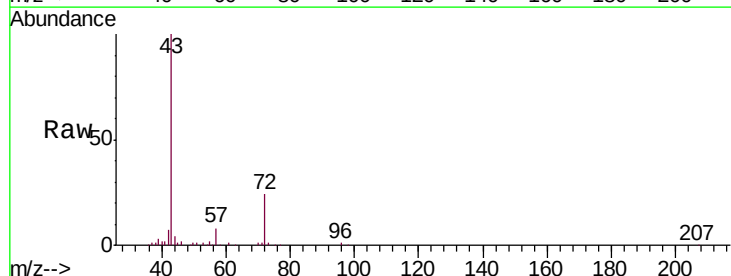


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

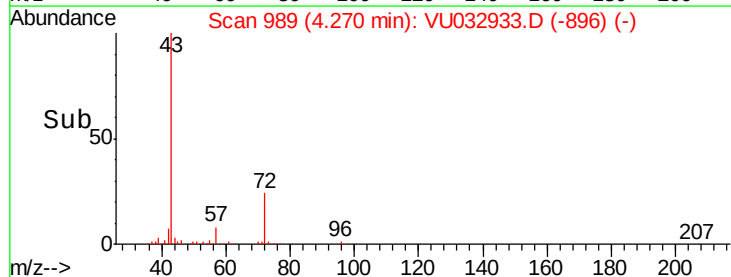
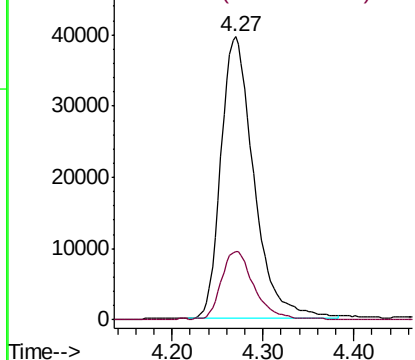


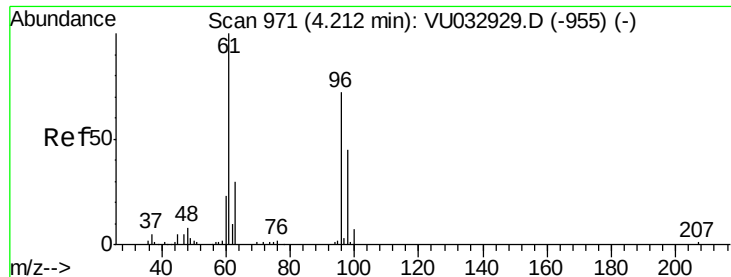
#21
 2-Butanone
 Concen: 55.481 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Tgt Ion: 43 Resp: 100002
 Ion Ratio Lower Upper
 43 100
 72 23.5 13.1 39.3



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: 4.885 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

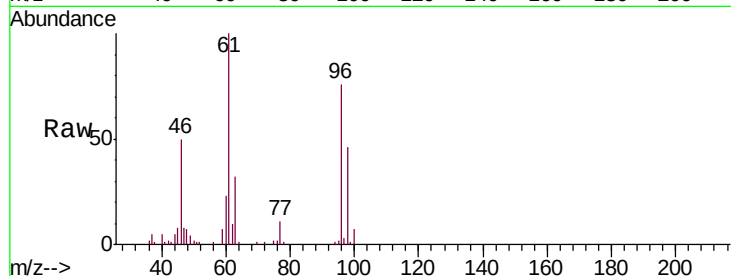
Tgt Ion: 96 Resp: 33347

Ion Ratio Lower Upper

96 100

61 131.3 86.6 160.8

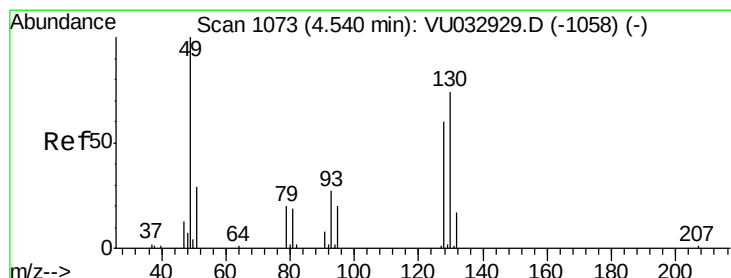
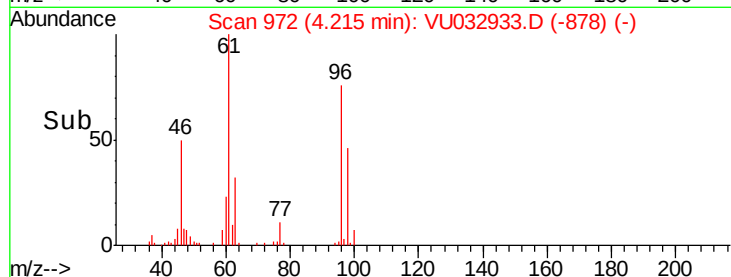
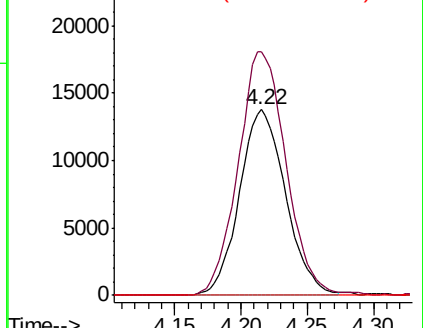
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032933.D (-978) (-)

Ion 61.05 (60.75 to 61.75): VU032933.D (-978) (-)

Ion 68.15 (67.85 to 68.85): VU032933.D (-978) (-)



#23

Bromochloromethane

Concen: 5.231 ug/L

RT: 4.54 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Tgt Ion: 128 Resp: 15370

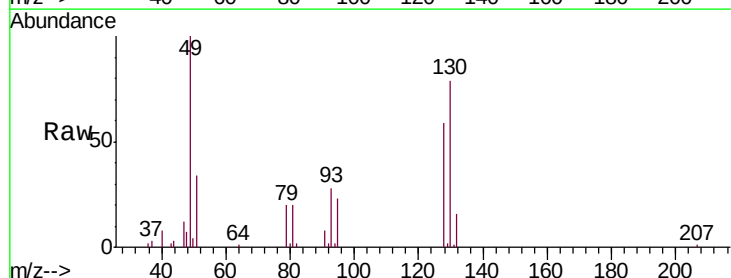
Ion Ratio Lower Upper

128 100

49 170.2 107.8 200.2

130 134.2 89.3 165.9

51 57.6 38.2 57.4#

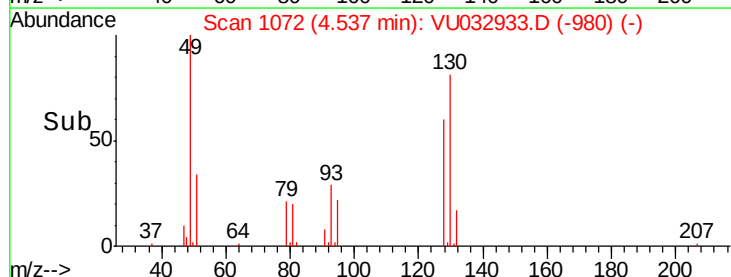
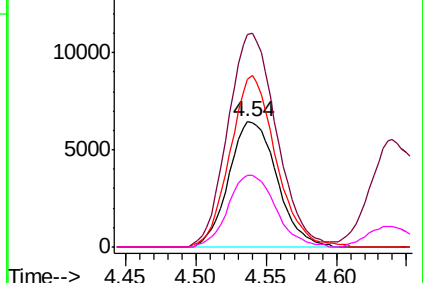


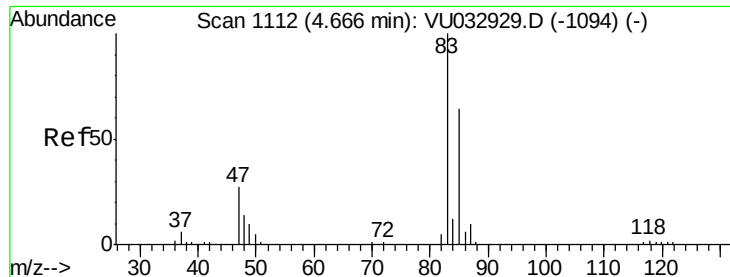
Abundance Ion 127.90 (127.60 to 128.60): VU032933.D (-980) (-)

Ion 49.10 (48.80 to 49.80): VU032933.D (-980) (-)

Ion 129.95 (129.65 to 130.65): VU032933.D (-980) (-)

Ion 51.05 (50.75 to 51.75): VU032933.D (-980) (-)

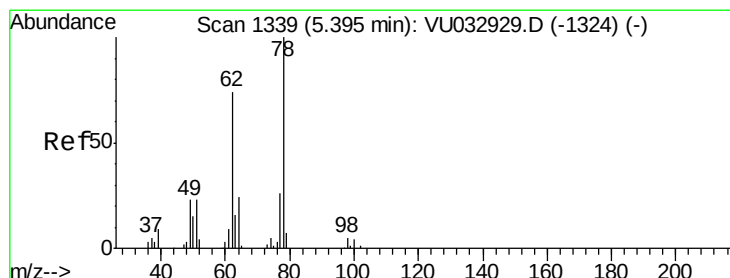
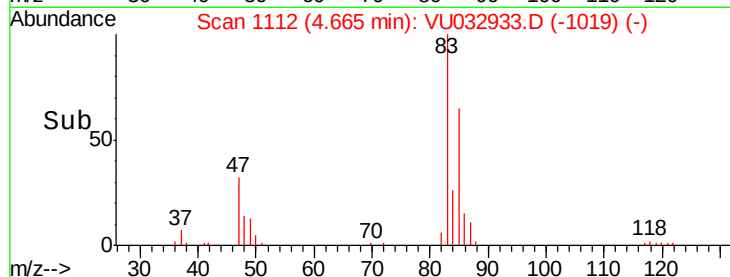
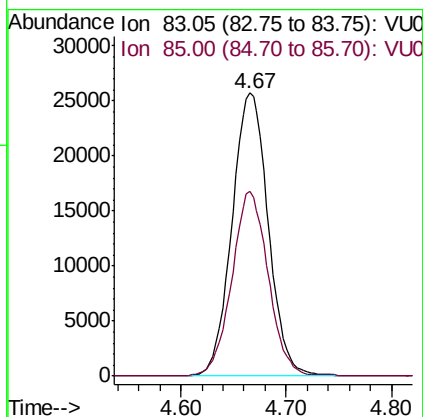
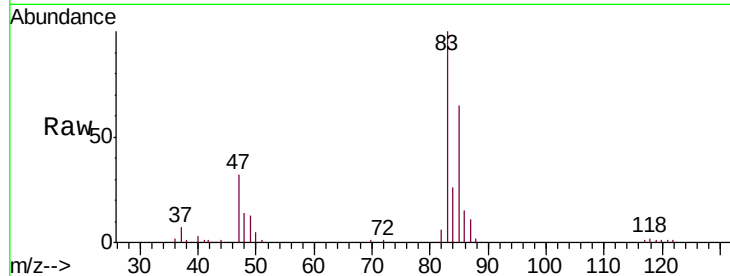




#25
Chloroform
Concen: 5.554 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

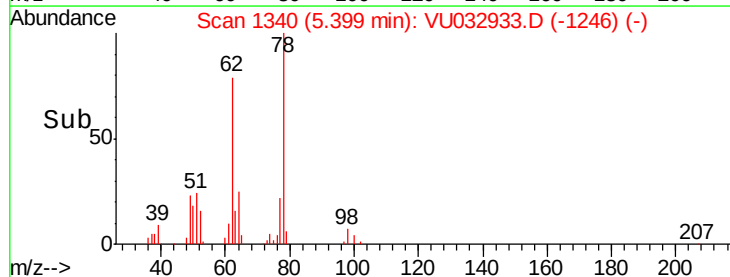
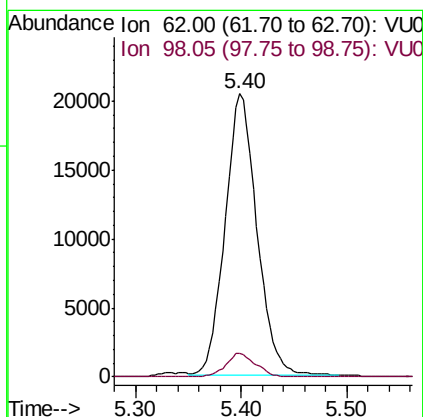
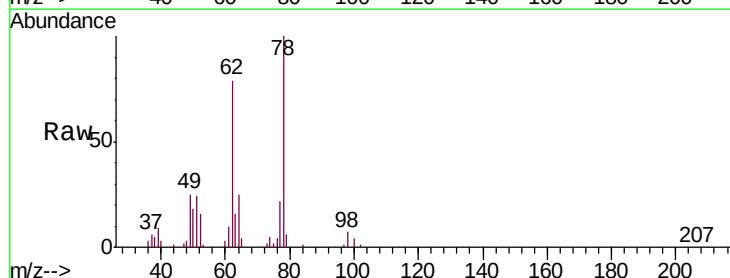
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

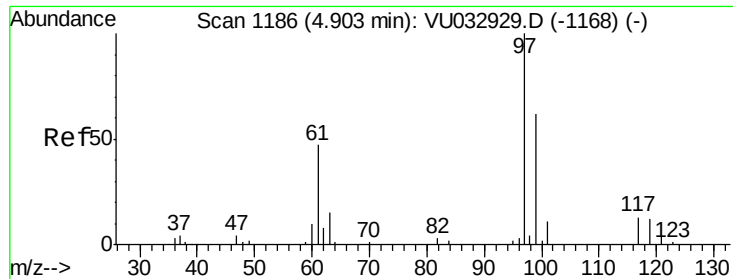
Tgt Ion: 83 Resp: 61265
Ion Ratio Lower Upper
83 100
85 65.4 43.8 81.3



#27
1,2-Dichloroethane
Concen: 5.908 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

Tgt Ion: 62 Resp: 42832
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.6

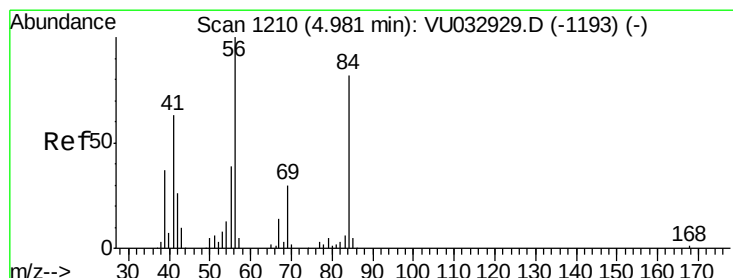
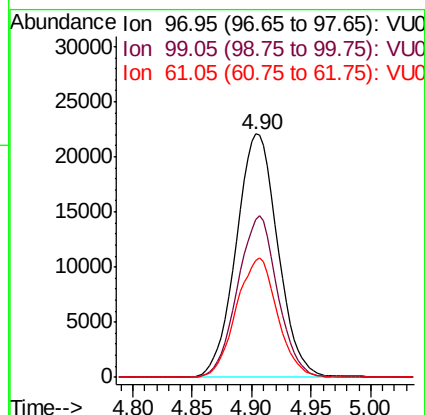
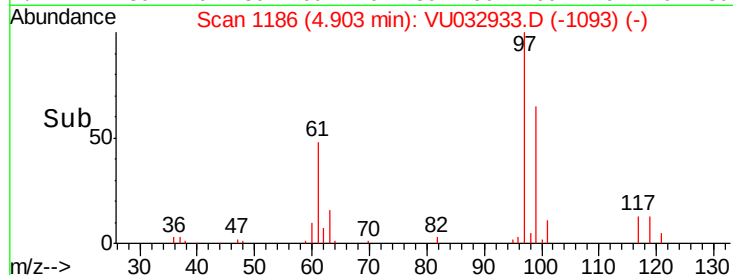
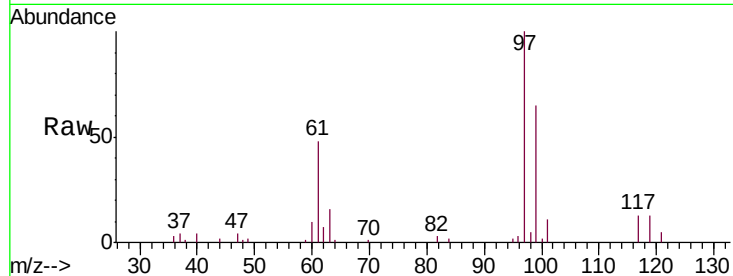




#29
 1,1,1-Trichloroethane
 Concen: 5.004 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

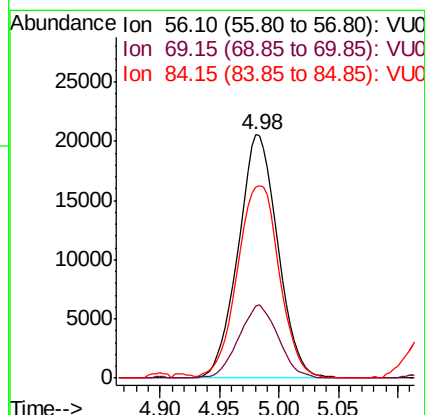
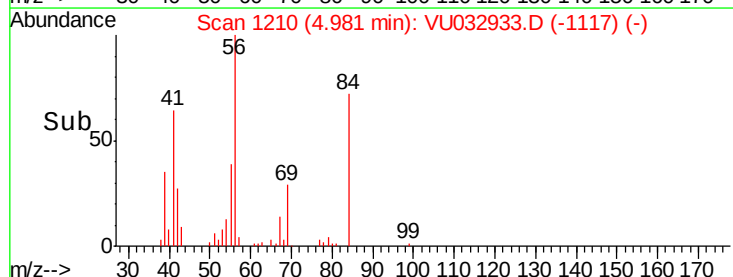
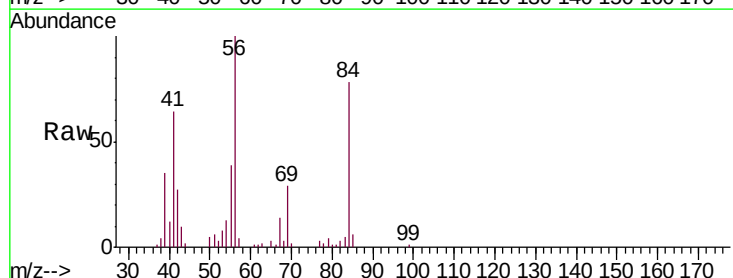
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

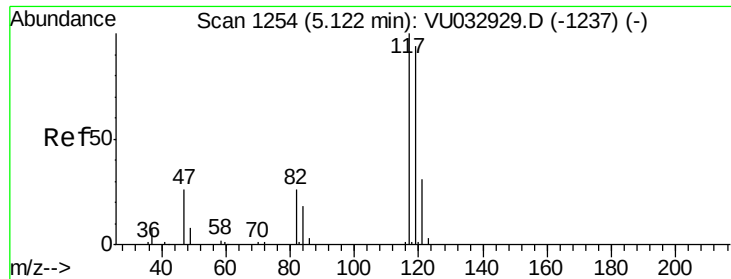
Tgt Ion: 97 Resp: 53559
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.8 77.6
 61 48.3 34.7 52.1



#30
 Cyclohexane
 Concen: 4.192 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Tgt Ion: 56 Resp: 47424
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.9 37.3
 84 84.1 70.2 105.2





#31

Carbon tetrachloride

Concen: 4.868 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

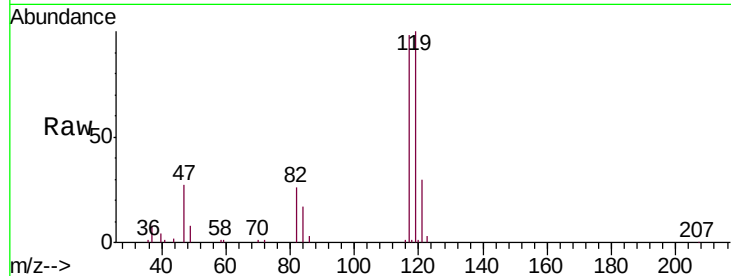
VSTD00505

Tgt Ion:117 Resp: 47378

Ion Ratio Lower Upper

117 100

119 98.8 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.12

25000

20000

15000

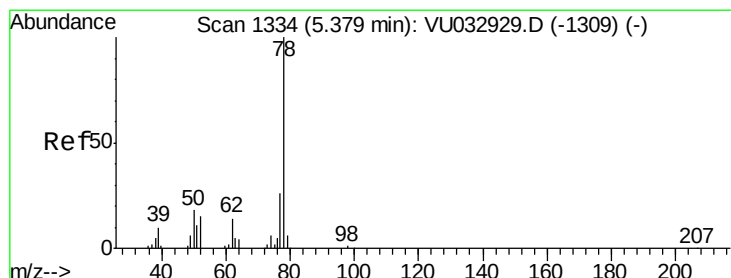
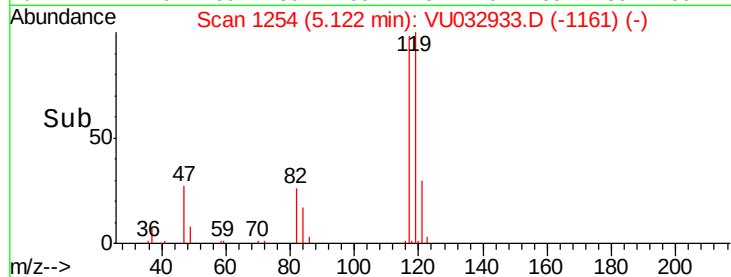
10000

5000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 4.804 ug/L

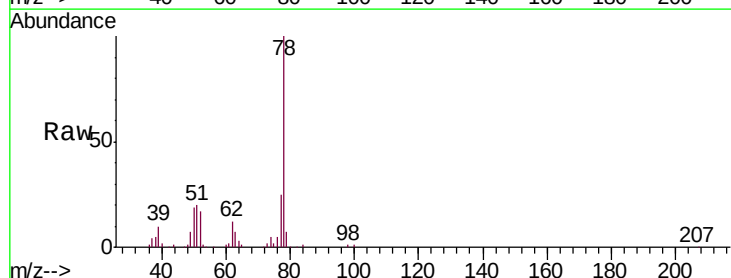
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Tgt Ion: 78 Resp: 124404



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.38

60000

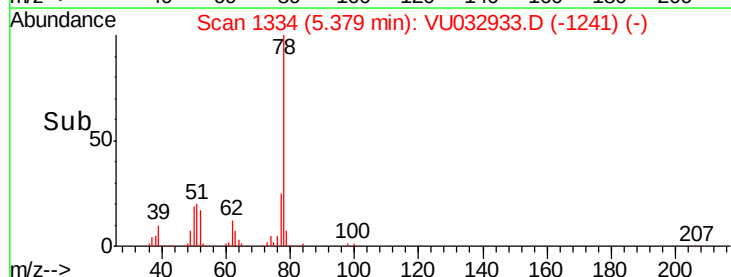
40000

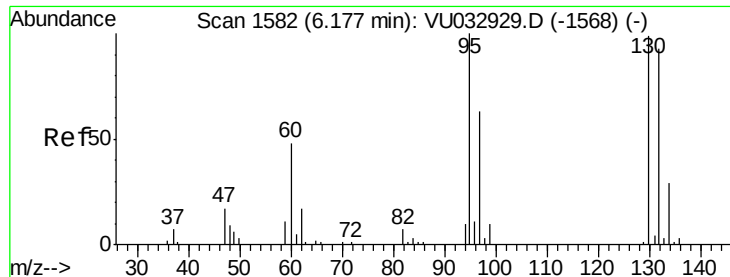
20000

0

Time-->

5.30 5.40





#34

Trichloroethene

Concen: 4.554 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

Tgt Ion: 95 Resp: 33928

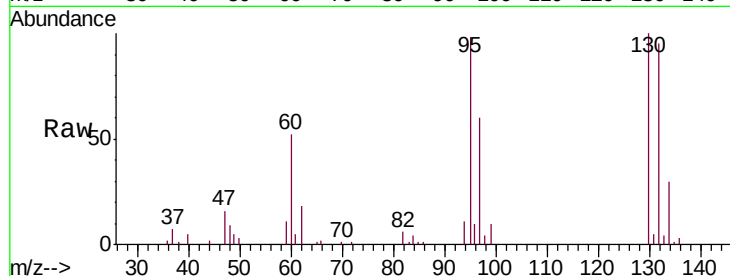
Ion Ratio Lower Upper

95 100

97 61.5 44.1 81.9

132 96.2 68.8 127.8

130 101.7 71.0 131.8

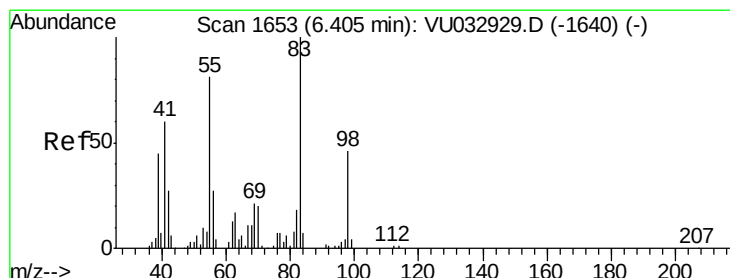
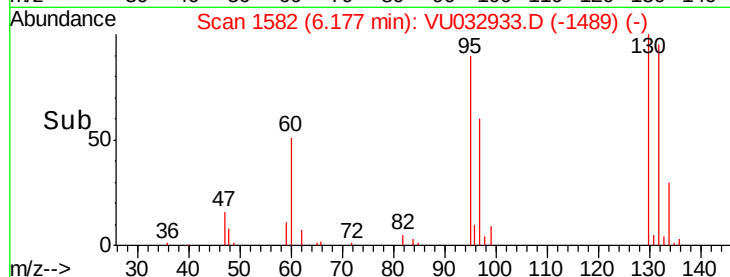
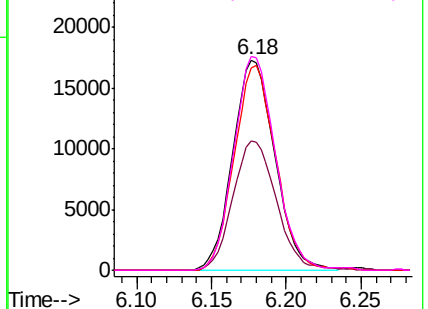


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.162 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

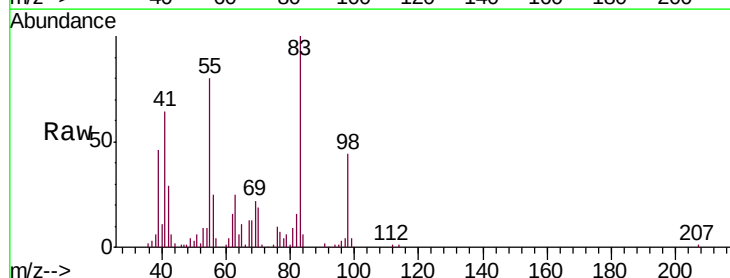
Tgt Ion: 83 Resp: 49870

Ion Ratio Lower Upper

83 100

55 82.2 60.0 90.0

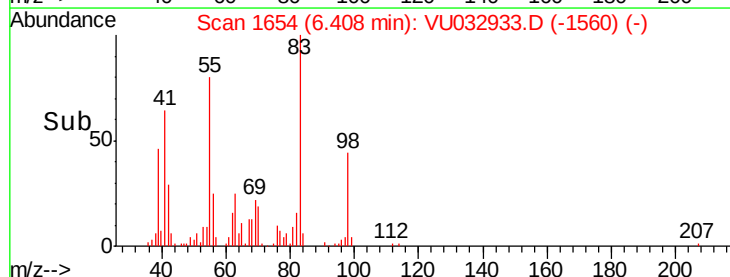
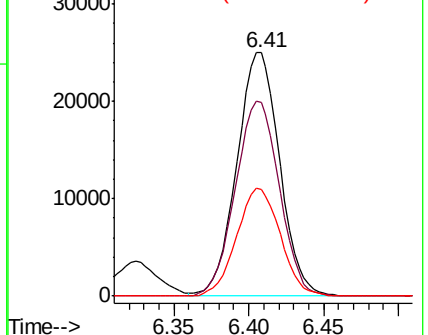
98 45.2 37.8 56.8

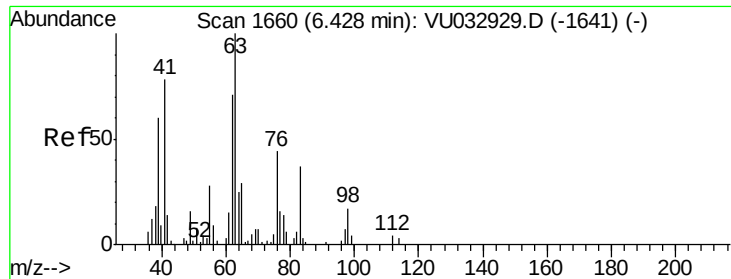


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

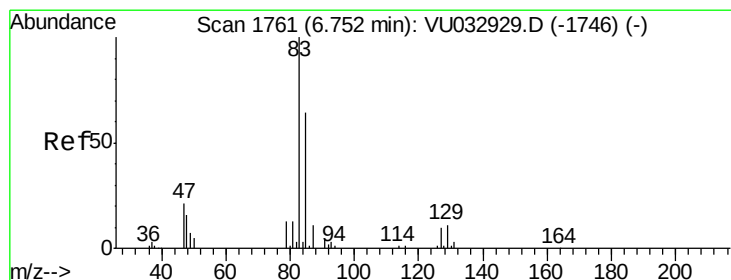
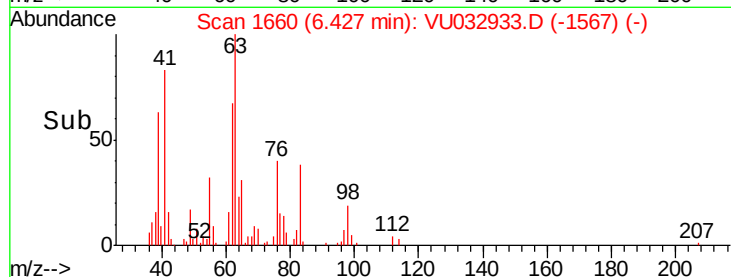
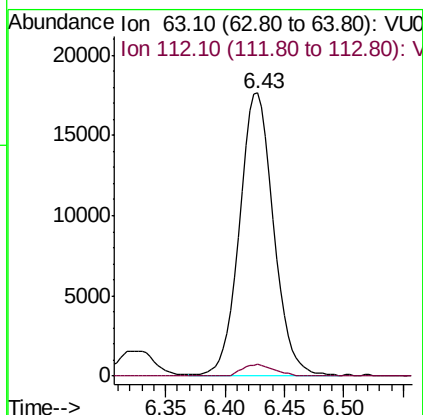
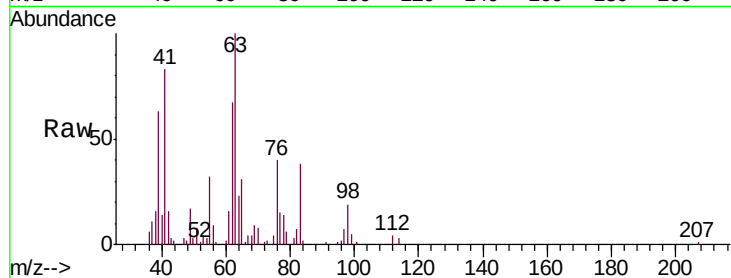




#37
 1,2-Dichloropropane
 Concen: 5.251 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

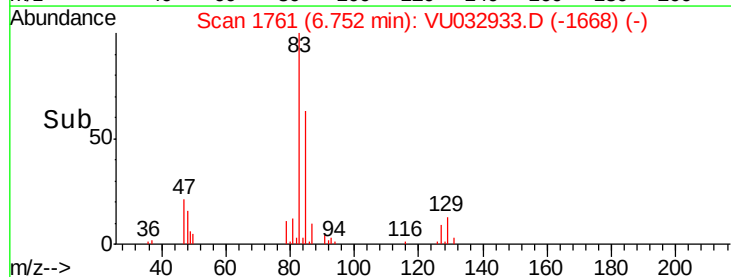
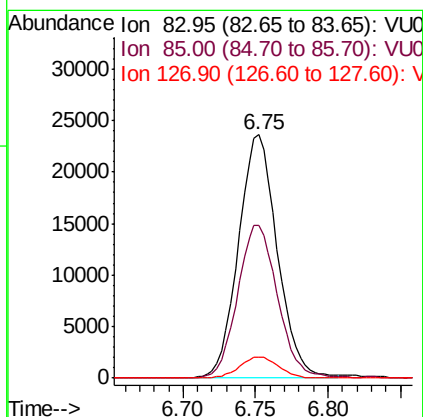
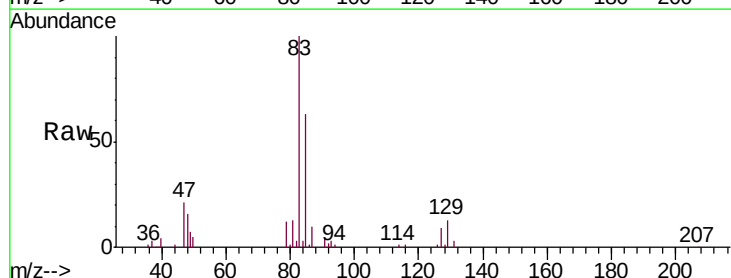
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

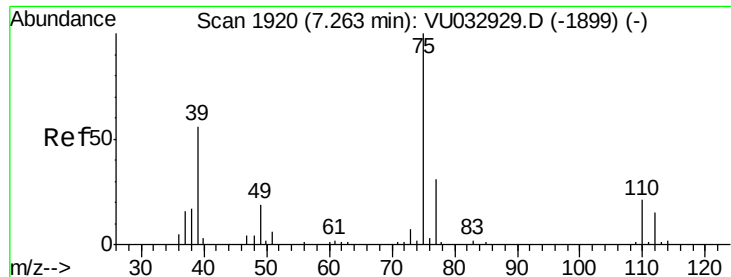
Tgt Ion: 63 Resp: 35185
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.121 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Tgt Ion: 83 Resp: 44102
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.2 84.0
 127 8.7 7.4 11.2

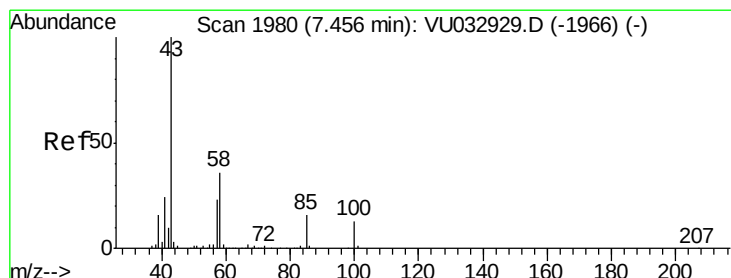
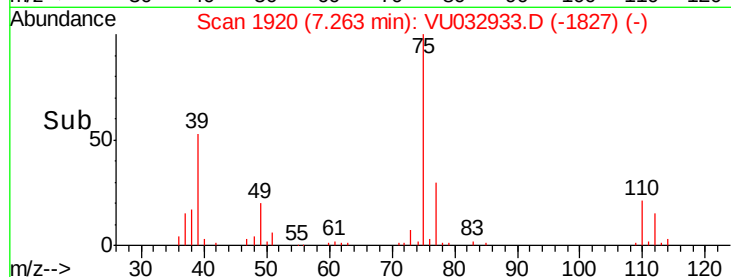
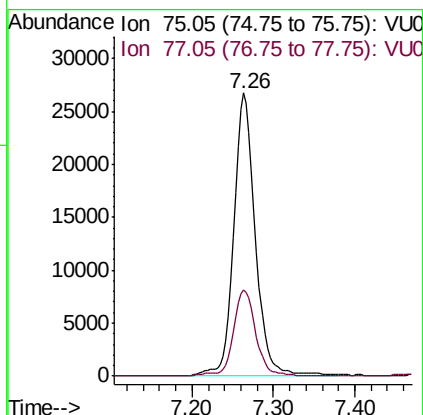
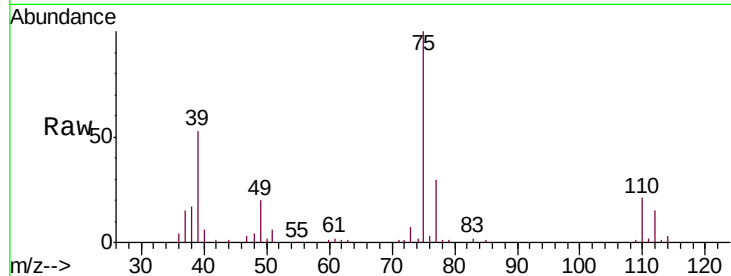




#39
 cis-1,3-Dichloropropene
 Concen: 4.827 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

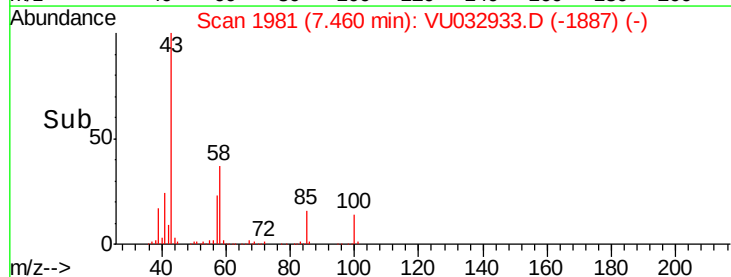
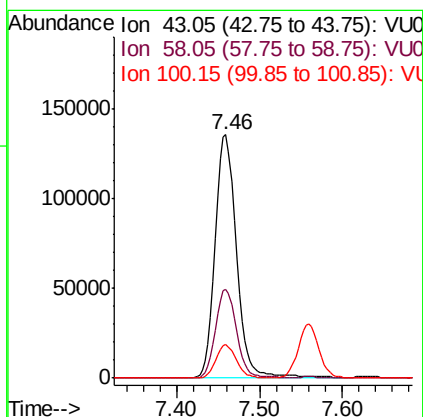
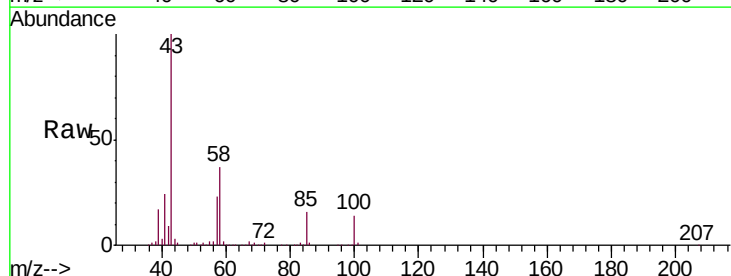
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

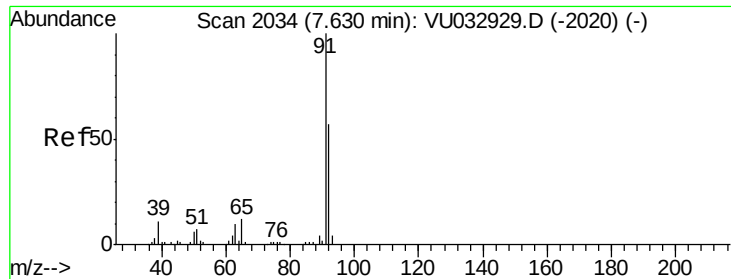
Tgt Ion: 75 Resp: 49653
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 51.231 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Tgt Ion: 43 Resp: 244294
 Ion Ratio Lower Upper
 43 100
 58 35.8 30.9 46.3
 100 13.0 11.9 17.9





#42

Toluene

Concen: 4.740 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

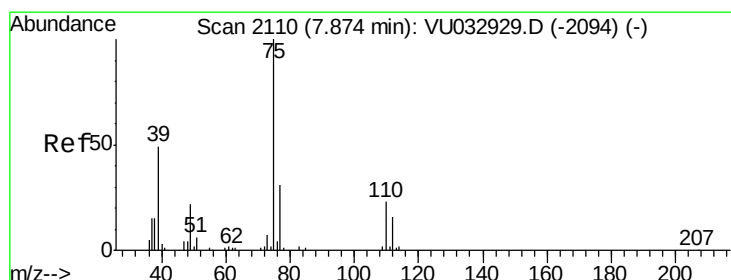
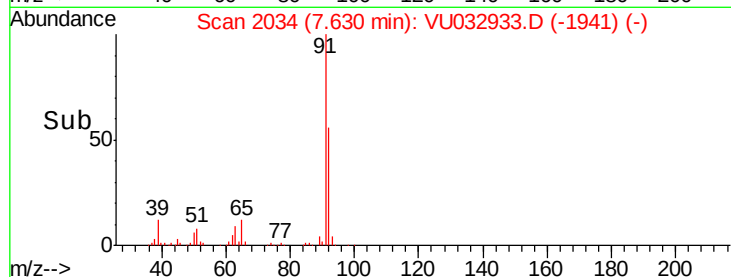
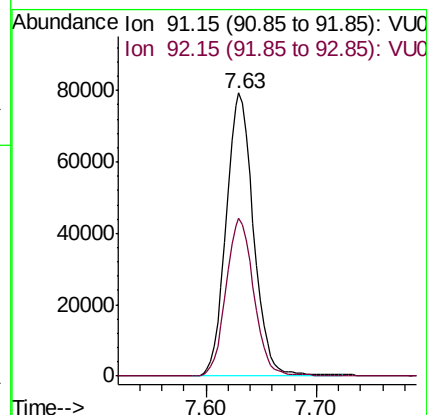
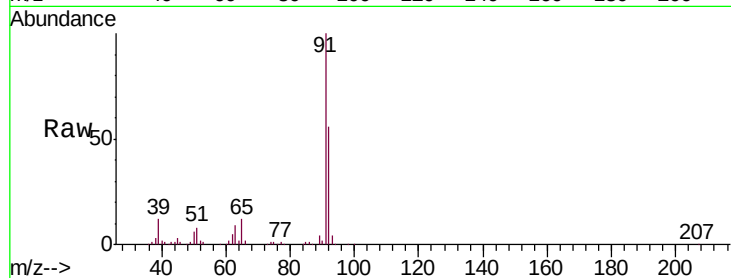
VSTD00505

Tgt Ion: 91 Resp: 136817

Ion Ratio Lower Upper

91 100

92 55.7 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.052 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032933.D

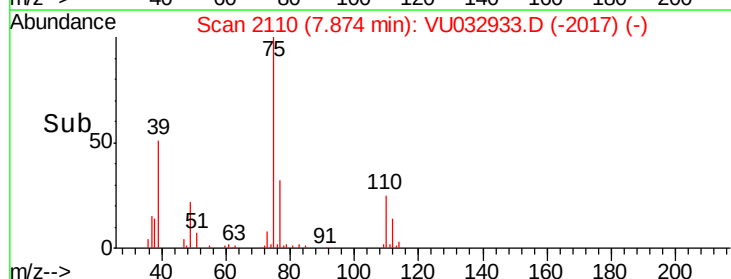
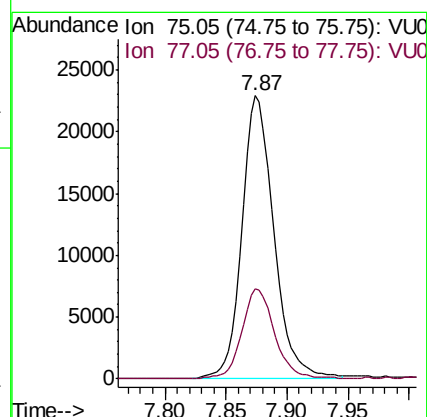
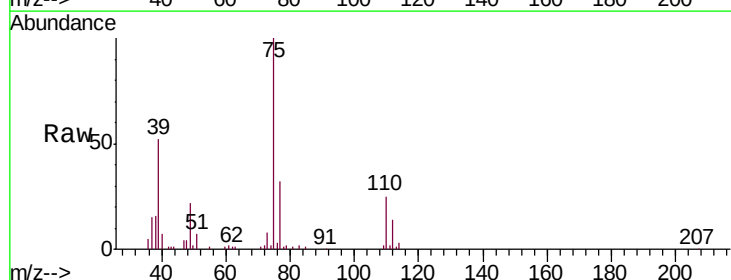
Acq: 21 Jun 2019 10:32

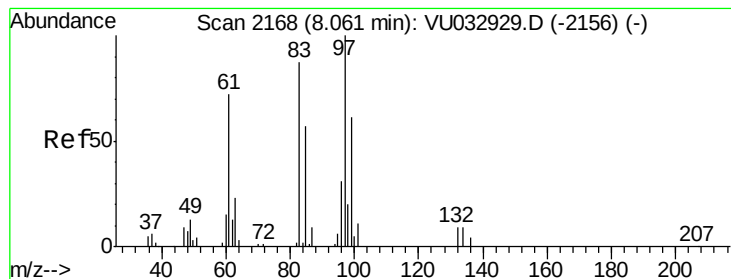
Tgt Ion: 75 Resp: 41497

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.022 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

Tgt Ion: 97 Resp: 24485

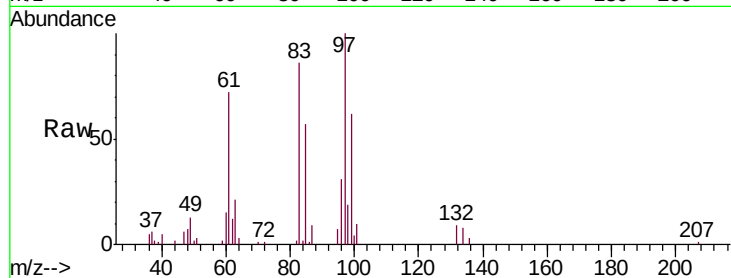
Ion Ratio Lower Upper

97 100

99 61.7 44.9 83.3

83 85.7 58.7 108.9

85 57.1 37.9 70.5

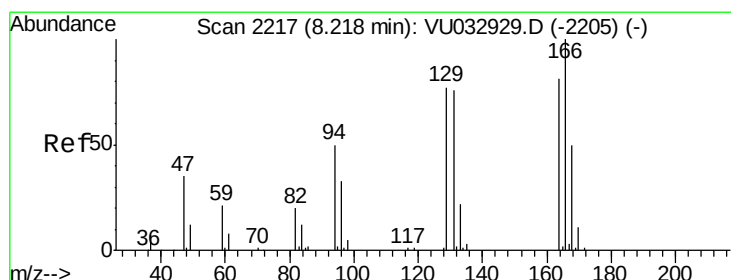
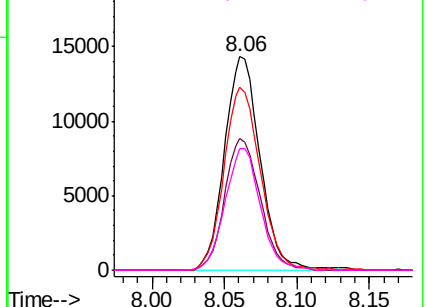
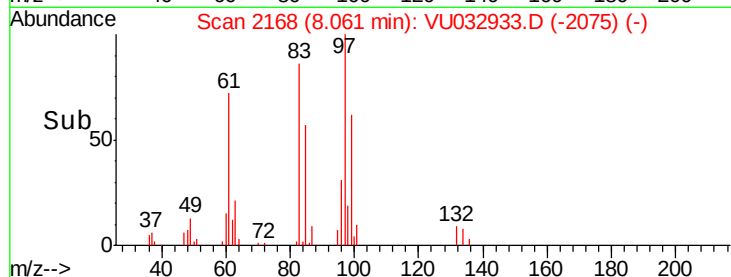


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.736 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Tgt Ion: 164 Resp: 27765

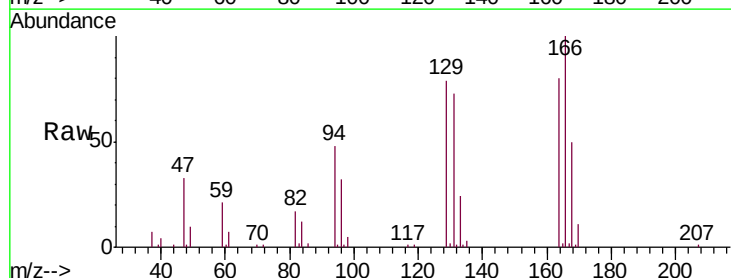
Ion Ratio Lower Upper

164 100

129 98.1 66.1 122.7

131 91.7 65.6 121.8

166 124.9 93.2 173.2

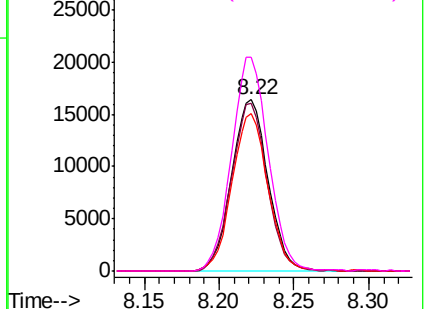
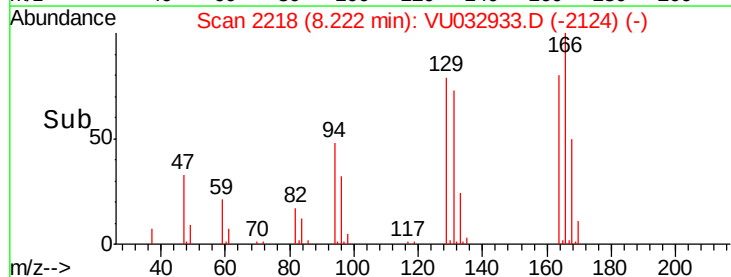


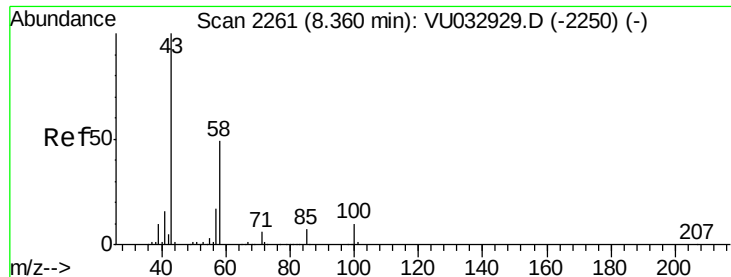
Abundance Ion 163.90 (163.60 to 164.60): V

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

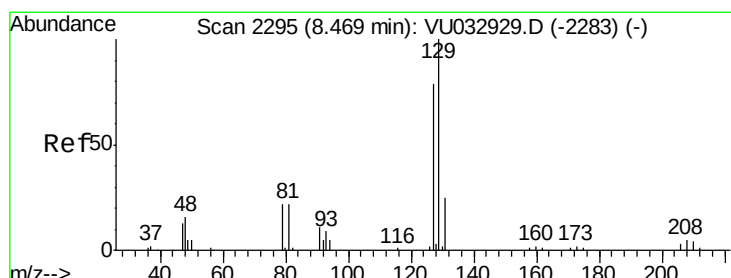
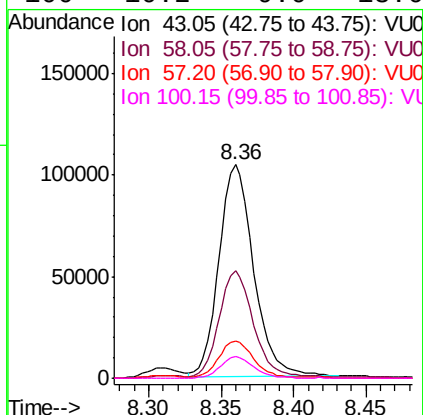
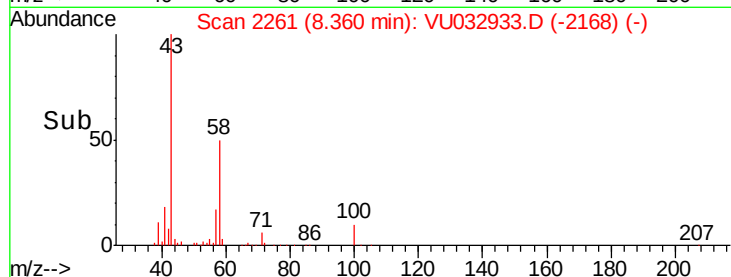
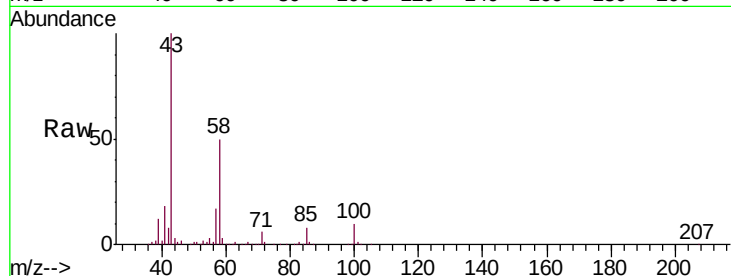




#48
2-Hexanone
Concen: 51.262 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

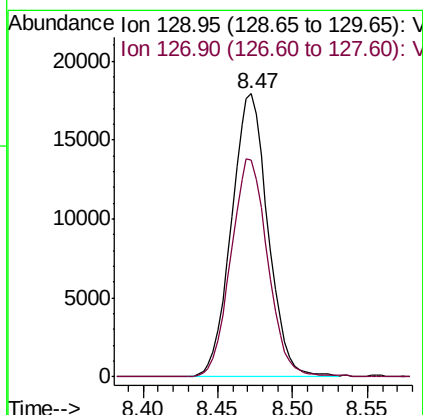
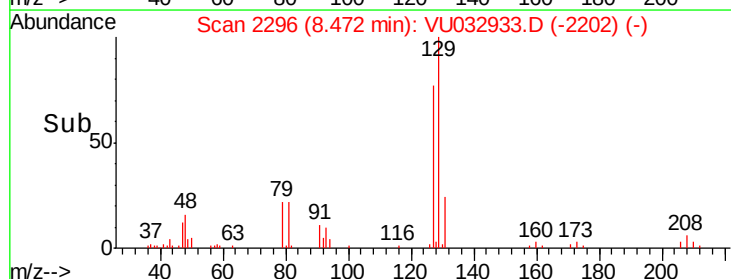
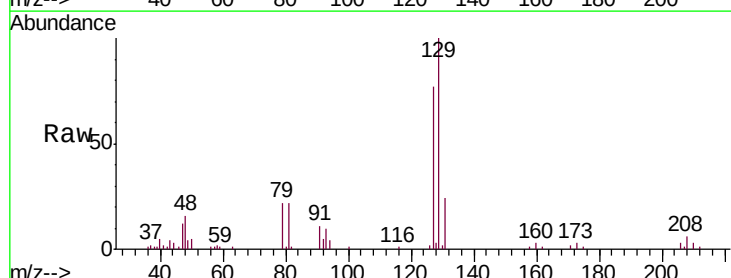
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

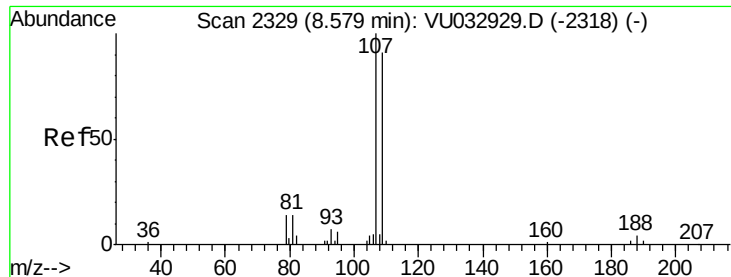
Tgt Ion: 43 Resp: 174684
Ion Ratio Lower Upper
43 100
58 50.8 41.9 62.9
57 17.2 15.1 22.7
100 10.2 9.0 13.6



#49
Dibromochloromethane
Concen: 4.875 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

Tgt Ion: 129 Resp: 30400
Ion Ratio Lower Upper
129 100
127 76.8 53.3 98.9

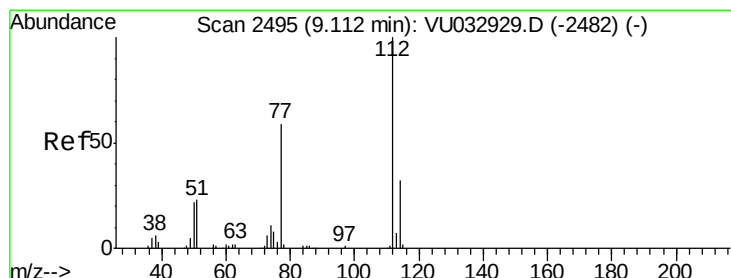
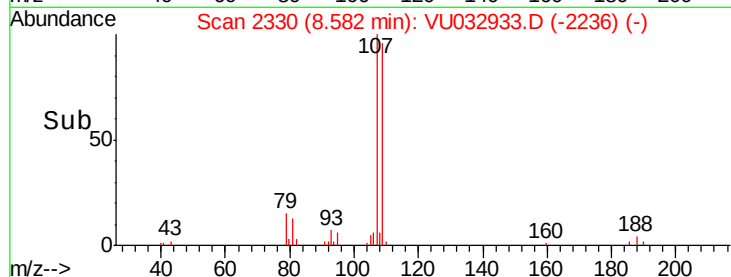
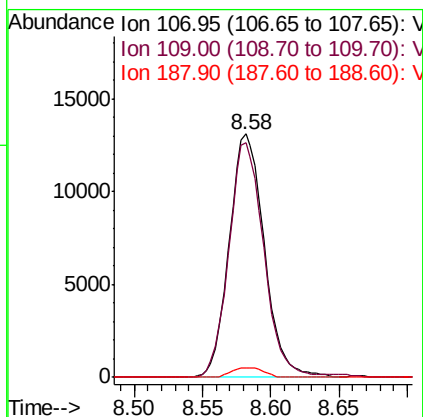
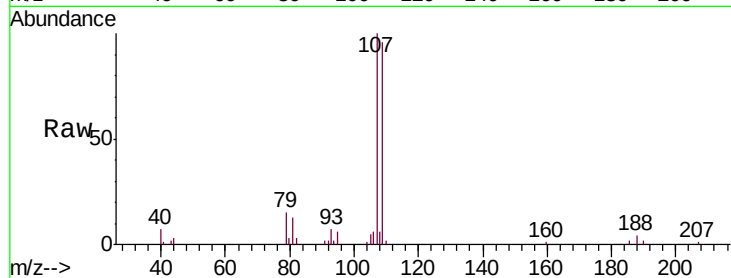




#50
1,2-Dibromoethane
Concen: 4.822 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

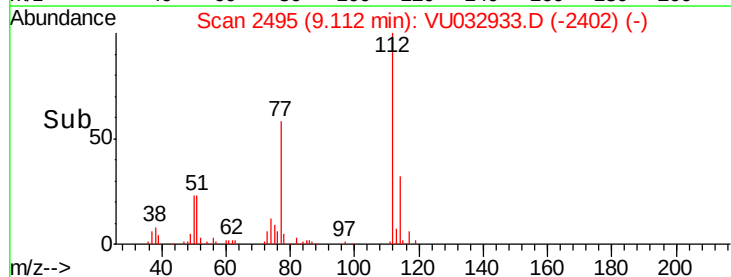
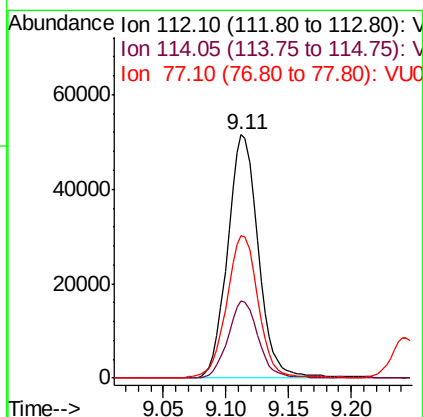
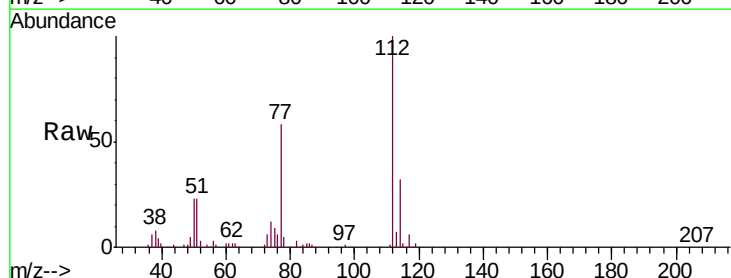
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

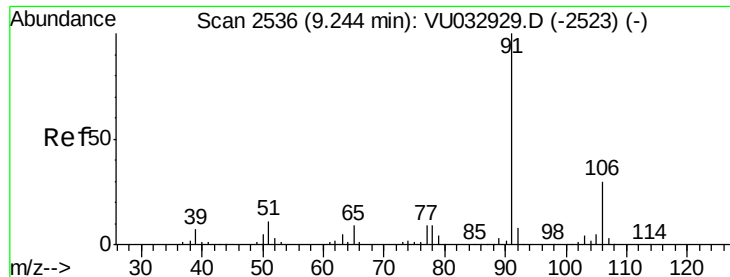
Tgt Ion:107 Resp: 23428
Ion Ratio Lower Upper
107 100
109 96.1 65.2 121.0
188 3.8 3.1 4.7



#51
Chlorobenzene
Concen: 4.841 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

Tgt Ion:112 Resp: 87612
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 58.4 46.5 69.7





#52

Ethylbenzene

Concen: 4.605 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

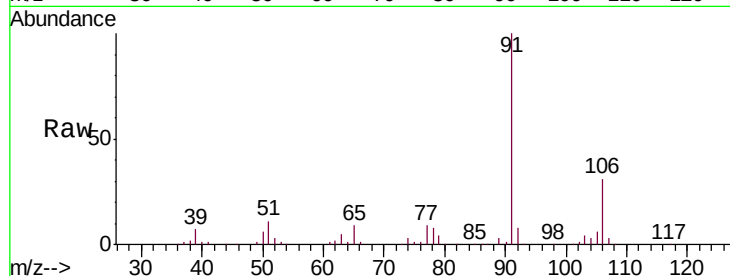
VSTD00505

Tgt Ion: 91 Resp: 146494

Ion Ratio Lower Upper

91 100

106 30.6 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032929.D (-2523) (-)

Ion 106.15 (105.85 to 106.85): VU032929.D (-2523) (-)

9.24

100000

80000

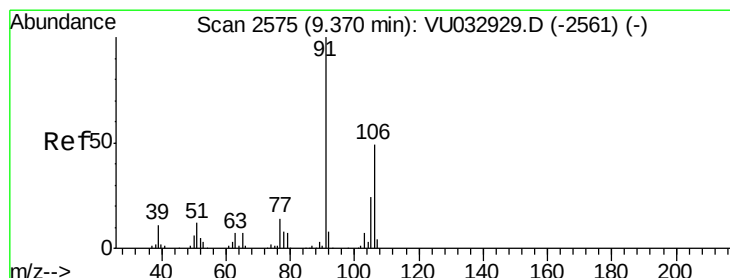
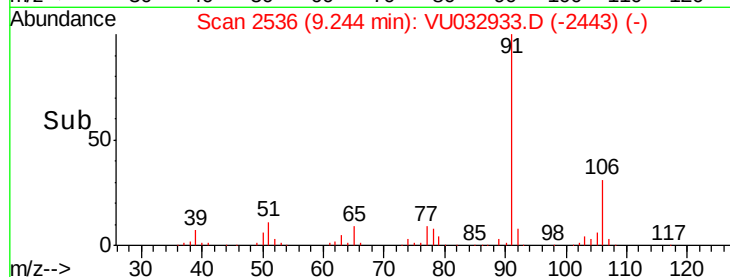
60000

40000

20000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 4.481 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032933.D

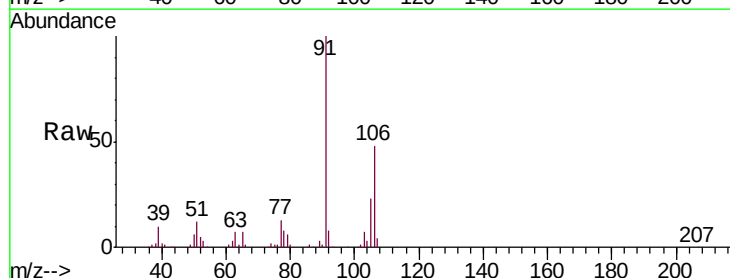
Acq: 21 Jun 2019 10:32

Tgt Ion: 106 Resp: 54034

Ion Ratio Lower Upper

106 100

91 209.5 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032929.D (-2561) (-)

Ion 91.15 (90.85 to 91.85): VU032929.D (-2561) (-)

9.37

80000

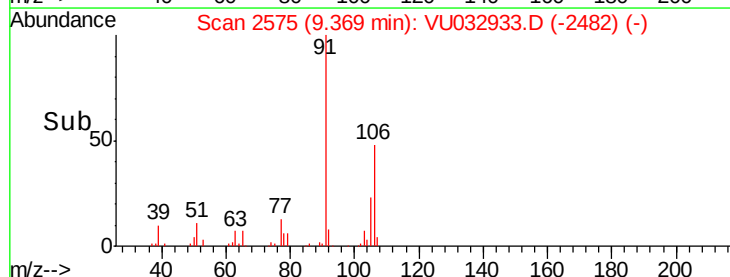
60000

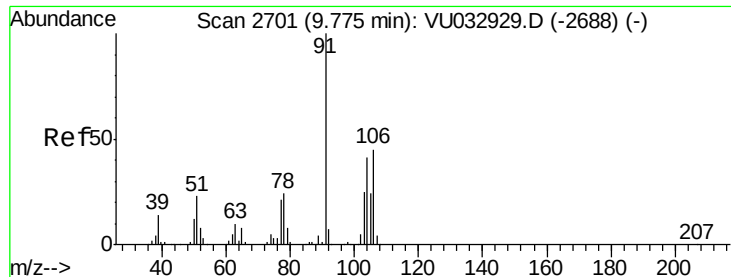
40000

20000

0

Time--> 9.30 9.35 9.40 9.45

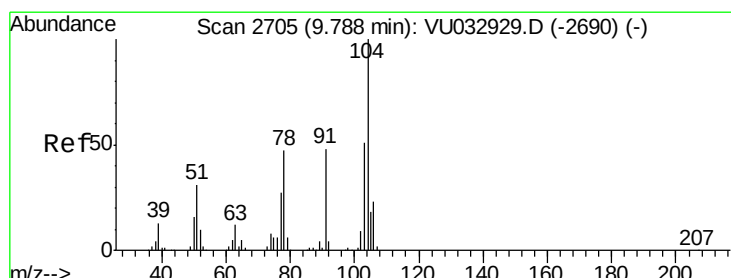
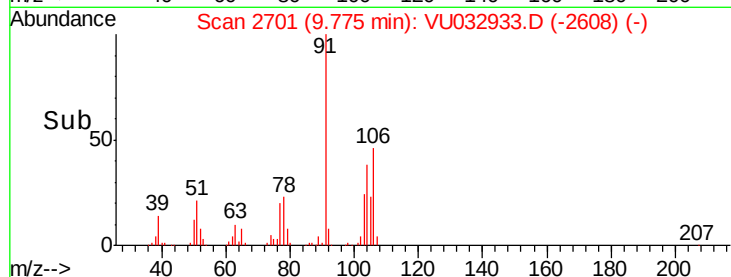
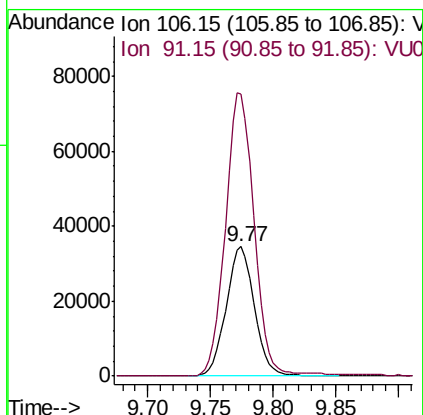
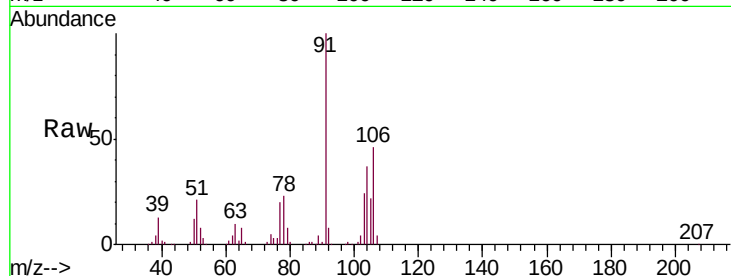




#54
o-Xylene
Concen: 4.491 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

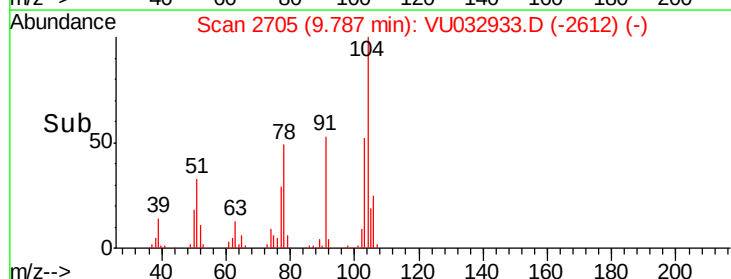
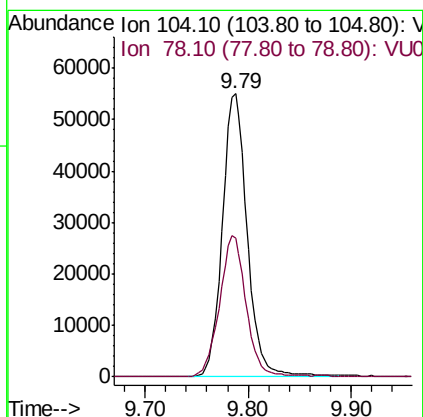
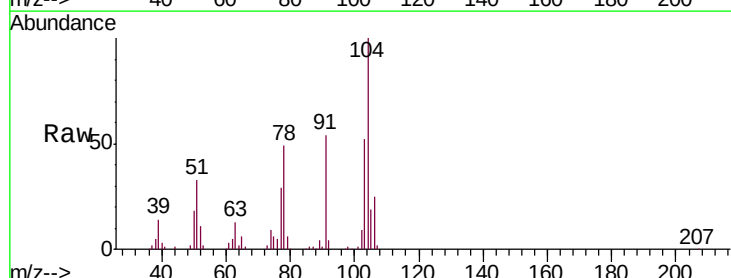
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

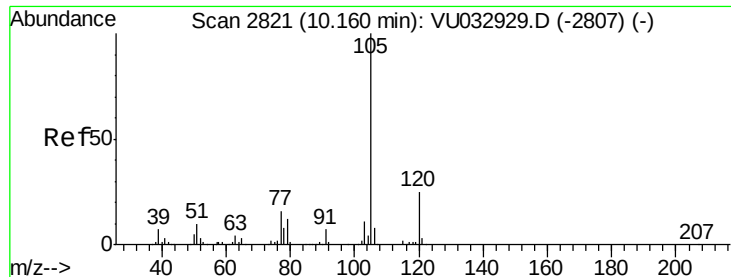
Tgt Ion:106 Resp: 54058
Ion Ratio Lower Upper
106 100
91 218.7 148.8 276.4



#55
Styrene
Concen: 4.679 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032933.D
Acq: 21 Jun 2019 10:32

Tgt Ion:104 Resp: 92655
Ion Ratio Lower Upper
104 100
78 48.9 32.2 59.8





#56

Isopropylbenzene

Concen: 4.535 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

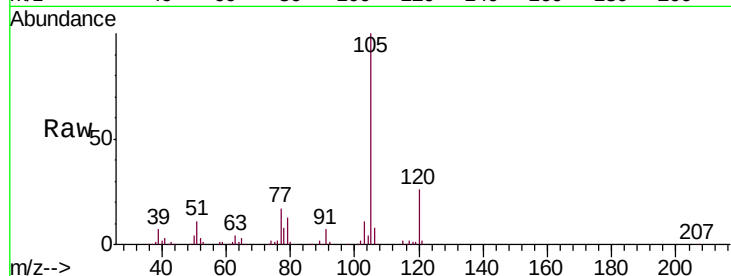
Tgt Ion: 105 Resp: 143988

Ion Ratio Lower Upper

105 100

120 26.1 21.6 32.4

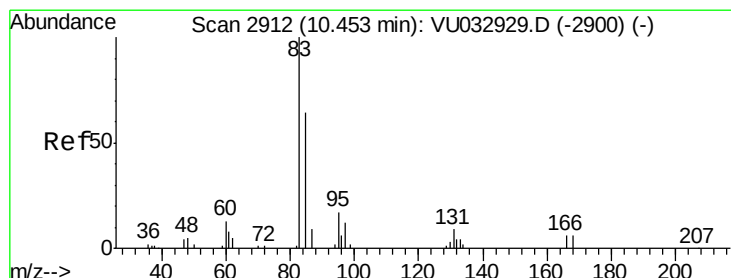
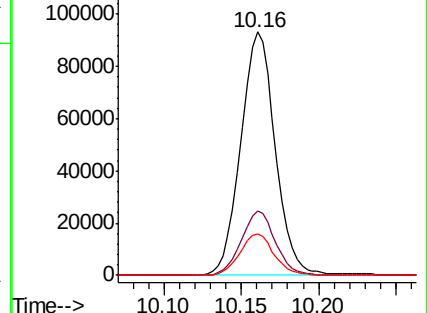
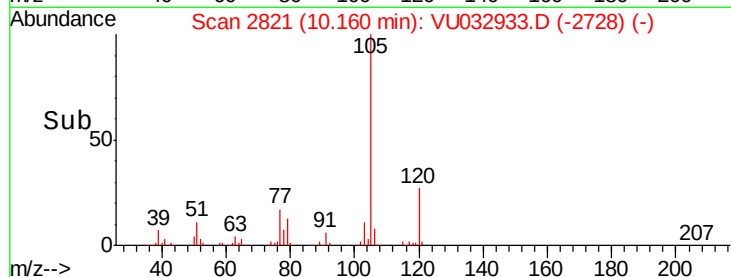
77 17.1 12.3 18.5



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: 5.248 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

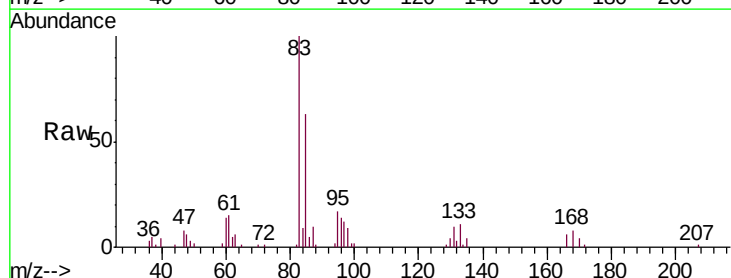
Tgt Ion: 83 Resp: 32722

Ion Ratio Lower Upper

83 100

85 62.8 45.7 84.9

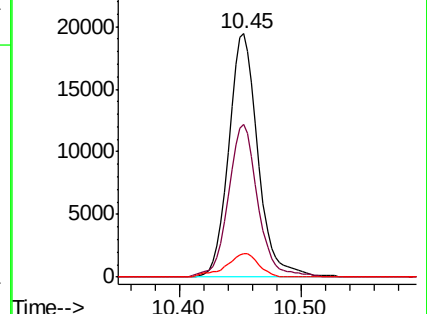
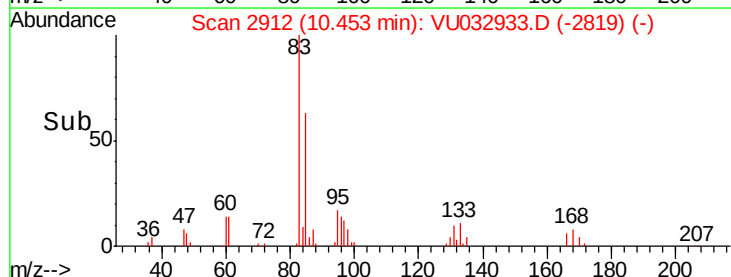
131 9.6 8.0 12.0

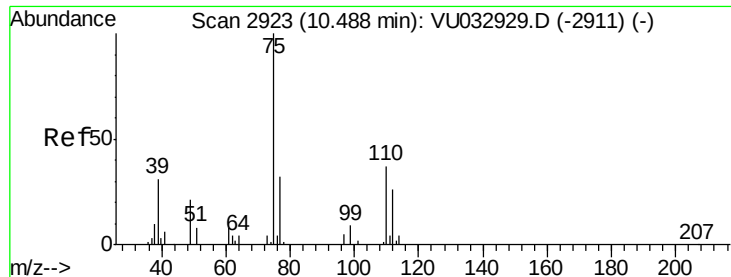


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

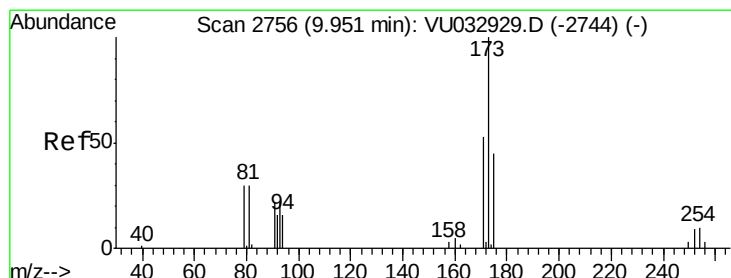
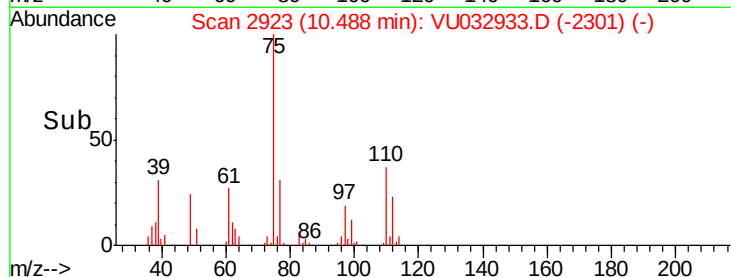
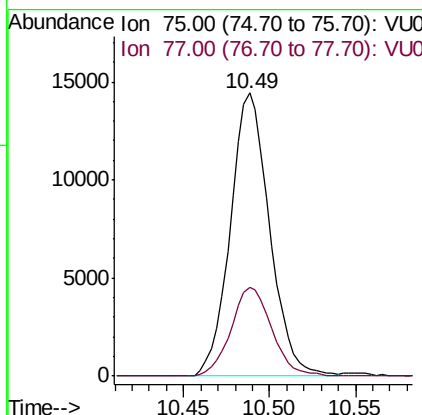
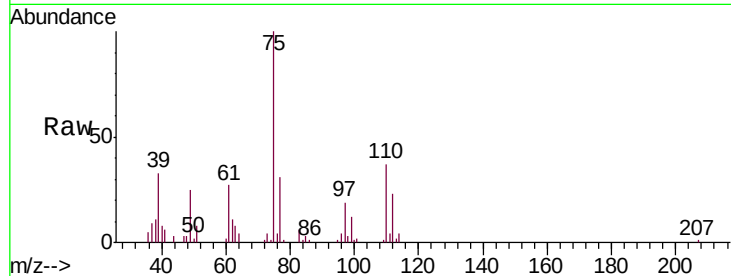




#59
 1,2,3-Trichloropropane
 Concen: 5.216 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

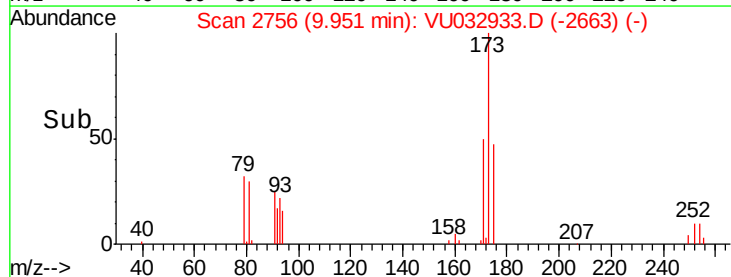
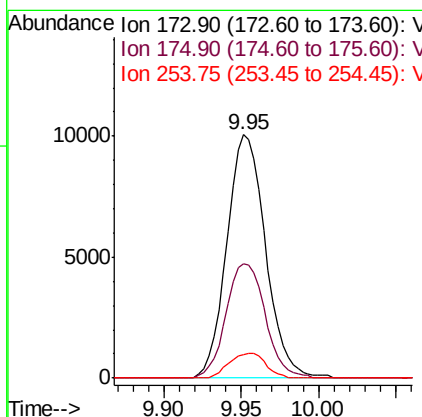
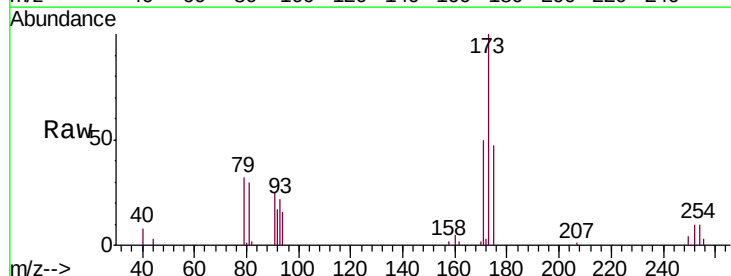
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

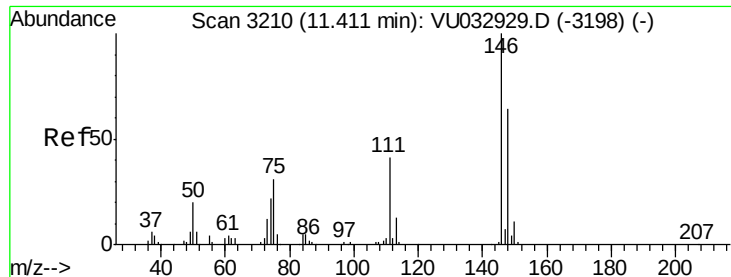
Tgt Ion: 75 Resp: 22950
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.3 37.9



#61
 Bromoform
 Concen: 4.535 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Tgt Ion: 173 Resp: 17451
 Ion Ratio Lower Upper
 173 100
 175 47.6 37.9 56.9
 254 9.7 6.8 10.2

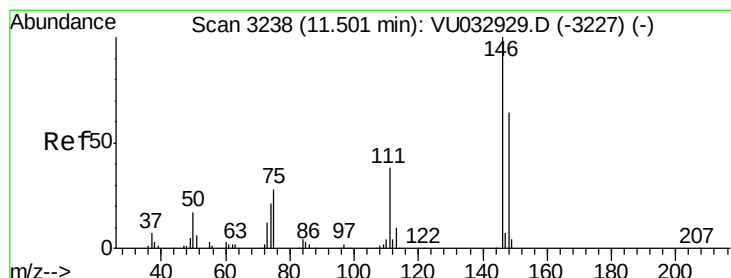
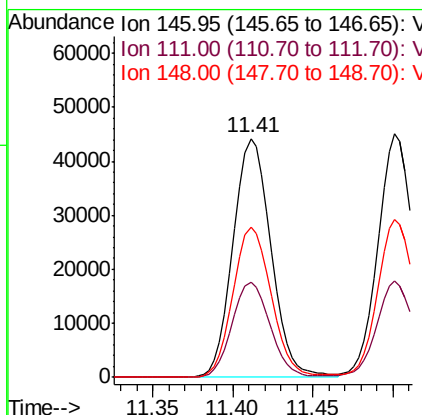
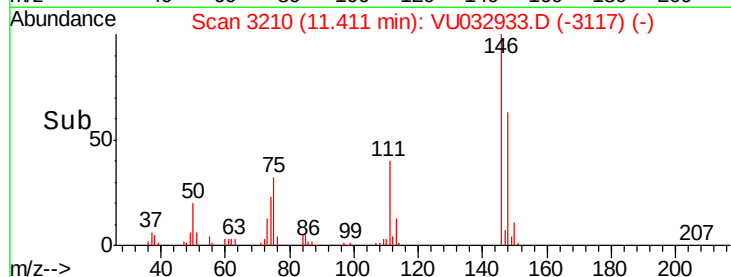
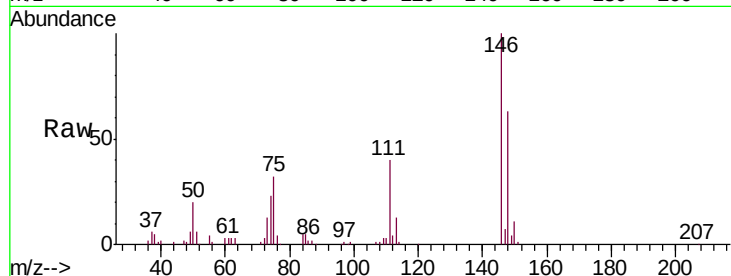




#62
 1,3-Dichlorobenzene
 Concen: 4.578 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

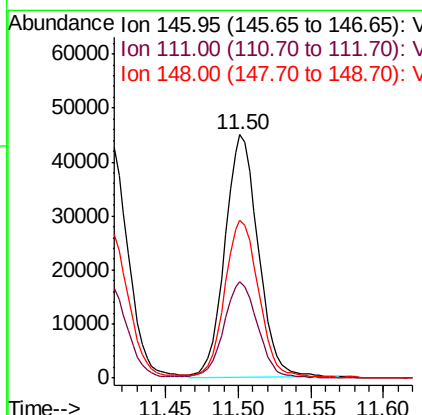
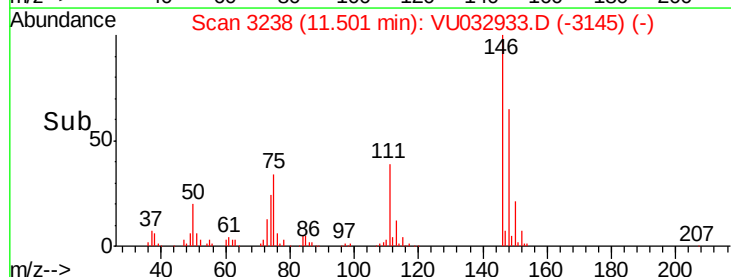
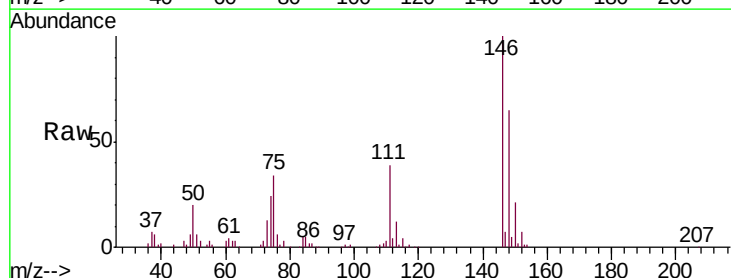
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

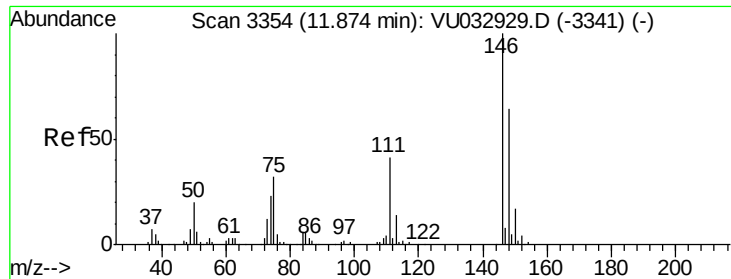
Tgt Ion:146 Resp: 71576
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.7 51.5
 148 62.7 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 4.503 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Tgt Ion:146 Resp: 71580
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.2 48.6
 148 64.7 43.9 81.5

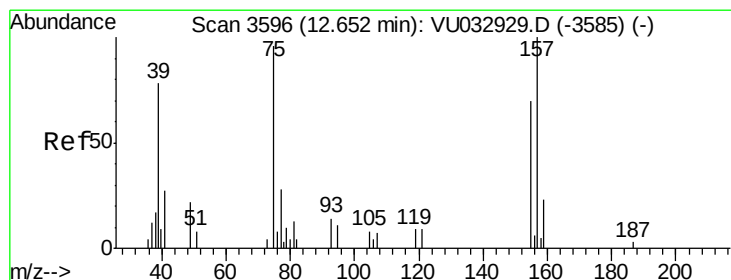
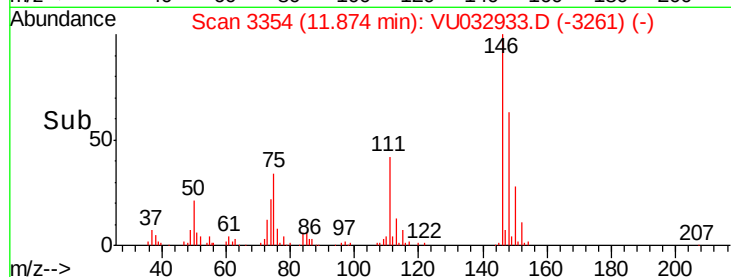
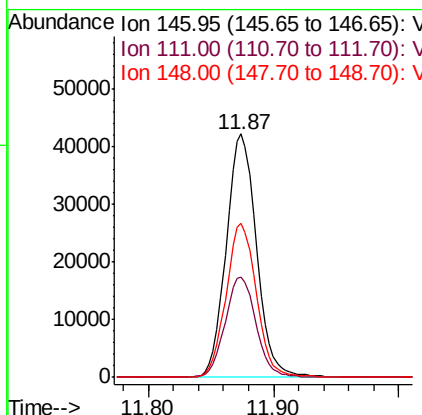
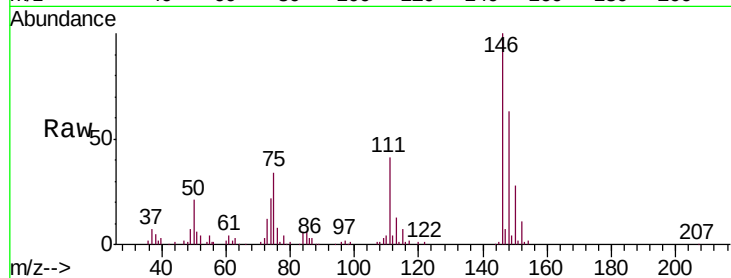




#65
 1,2-Dichlorobenzene
 Concen: 4.686 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

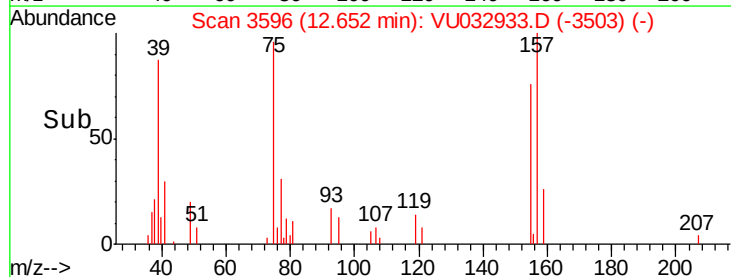
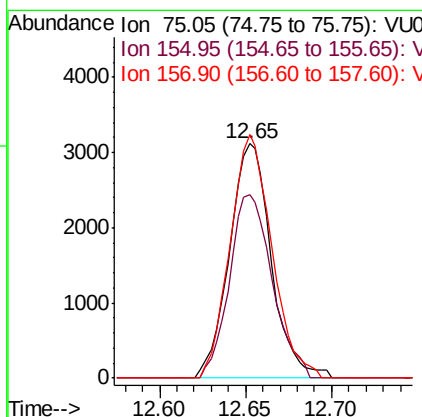
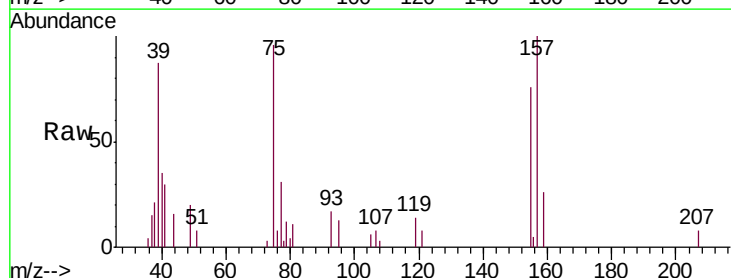
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

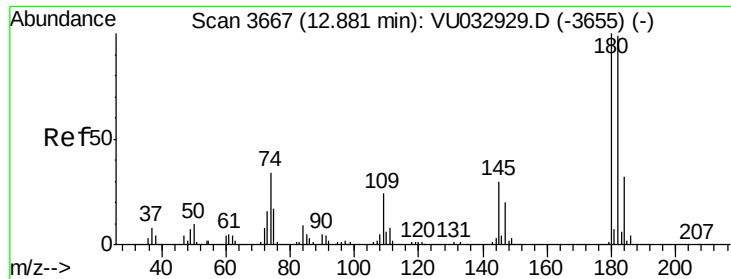
Tgt Ion: 146 Resp: 70806
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.0 49.4
 148 63.2 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.978 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Tgt Ion: 75 Resp: 5281
 Ion Ratio Lower Upper
 75 100
 155 78.5 72.3 108.5
 157 103.8 87.4 131.0

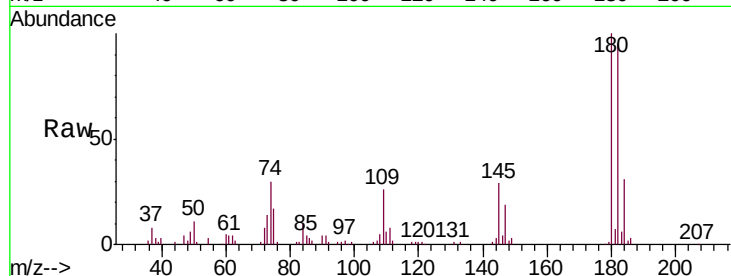




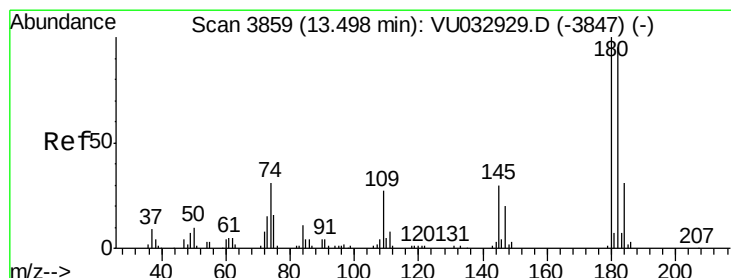
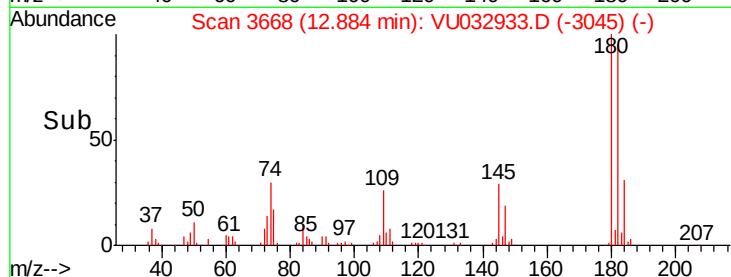
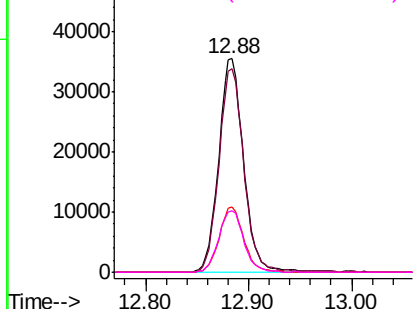
#67
 1,3,5-Trichlorobenzene
 Concen: 4.756 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:180 Resp: 59604
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 115.0
 184 29.8 24.2 36.4
 145 29.0 23.5 35.3

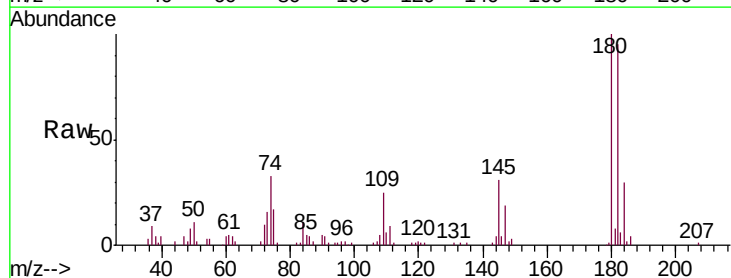


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

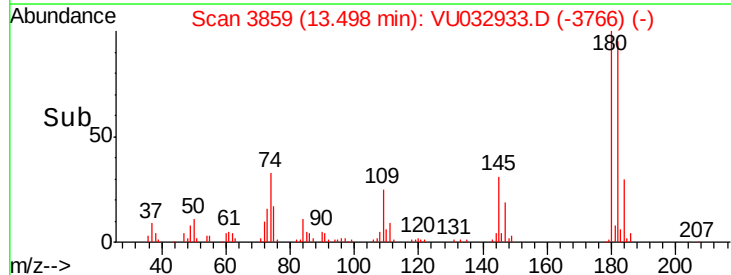
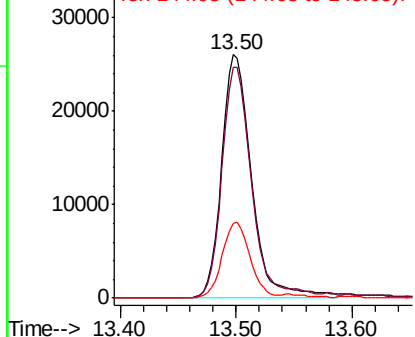


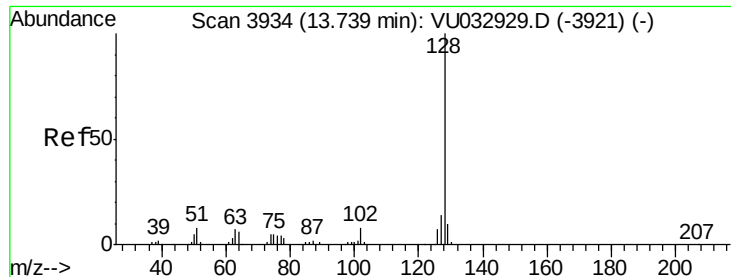
#68
 1,2,4-trichlorobenzene
 Concen: 4.630 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032933.D
 Acq: 21 Jun 2019 10:32

Tgt Ion:180 Resp: 46780
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.8 112.2
 145 29.0 24.3 36.5



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: 3.941 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

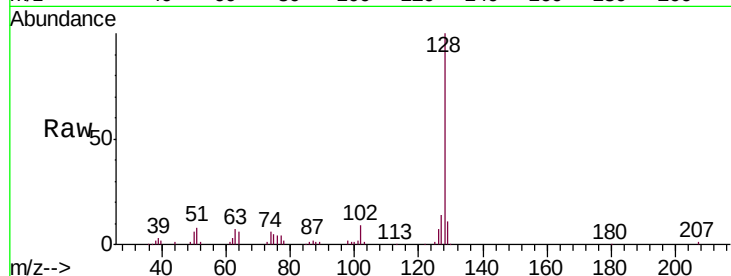
Tgt Ion:128 Resp: 69811

Ion Ratio Lower Upper

128 100

129 10.4 8.1 12.1

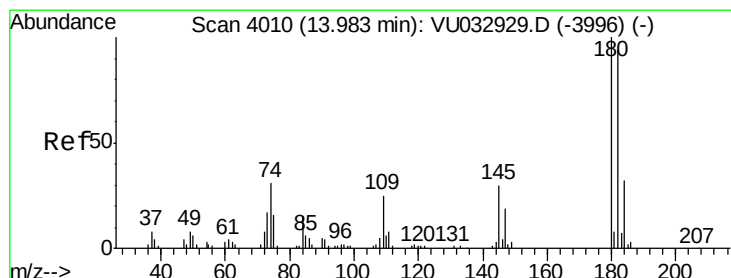
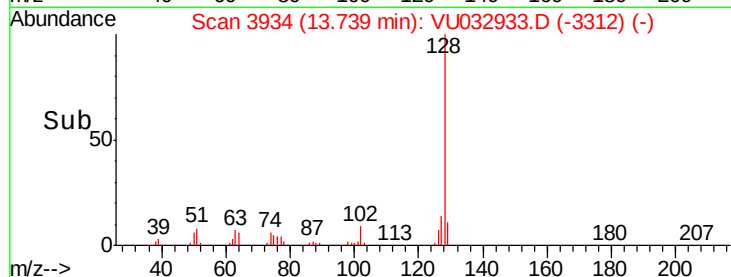
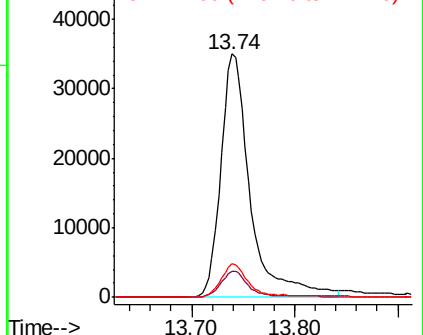
127 12.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.434 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032933.D

Acq: 21 Jun 2019 10:32

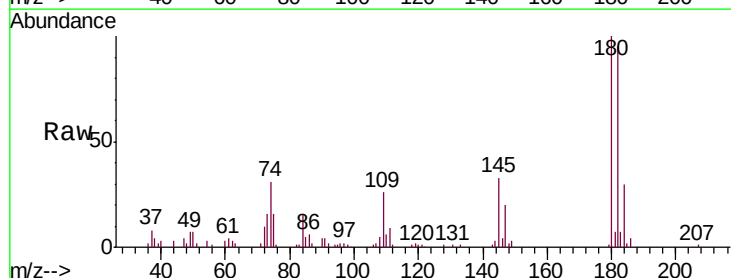
Tgt Ion:180 Resp: 44620

Ion Ratio Lower Upper

180 100

182 97.2 73.8 110.6

145 31.0 25.3 37.9



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

