

Data File : VU032929.D
Acq On : 21 Jun 2019 08:49
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Quant Time: Jun 21 23:23:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 21 07:36:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	91467	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	91550	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	49090	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	22264	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.68	69	19580	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.00%
11) 1,1-Dichloroethene-d2	2.27	63	53359	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.18	46	92869	55.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.92%
24) Chloroform-d	4.64	84	54695	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.30	65	31454	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
32) Benzene-d6	5.33	84	94320	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
36) 1,2-Dichloropropane-d6	6.32	67	32204	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.56	98	87642	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.85	79	13102	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.31	63	66416	44.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29935	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	37771	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	44421	5.660	ug/L 99
3) Chloromethane	1.32	50	40937	5.029	ug/L 99
5) Vinyl chloride	1.40	62	40892	5.111	ug/L 99
6) Bromomethane	1.62	94	30837	6.319	ug/L 99
8) Chloroethane	1.69	64	24876	4.867	ug/L 98
9) Trichlorofluoromethane	1.88	101	62042	5.419	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	32104	5.274	ug/L 98
12) 1,1-Dichloroethene	2.28	96	28288	4.868	ug/L 96
13) Acetone	2.32	43	73145	56.783	ug/L 95
14) Carbon disulfide	2.47	76	90638	4.870	ug/L 99
15) Methyl Acetate	2.61	43	17575	4.973	ug/L 99
16) Methylene chloride	2.69	84	32947	5.112	ug/L 95
17) Methyl tert-butyl Ether	3.00	73	85459	5.028	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	31737	5.062	ug/L 92
19) 1,1-Dichloroethane	3.43	63	64318	5.731	ug/L 97
21) 2-Butanone	4.27	43	111280	59.397	ug/L 96
22) cis-1,2-Dichloroethene	4.21	96	34601	4.876	ug/L 87

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	16601	5.435	ug/L	94
25) Chloroform	4.67	83	66051	5.761	ug/L	98
27) 1,2-Dichloroethane	5.40	62	44987	5.970	ug/L	95
29) 1,1,1-Trichloroethane	4.90	97	56903	5.101	ug/L	97
30) Cyclohexane	4.98	56	51138	4.337	ug/L	97
31) Carbon tetrachloride	5.12	117	51359	5.063	ug/L	98
33) Benzene	5.38	78	131807	4.883	ug/L	100
34) Trichloroethene	6.18	95	35988	4.635	ug/L	97
35) Methylcyclohexane	6.41	83	53659	4.297	ug/L	94
37) 1,2-Dichloropropane	6.43	63	36764	5.264	ug/L	99
38) Bromodichloromethane	6.75	83	47904	5.337	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	52678	4.913	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	266091	53.541	ug/L	95
42) Toluene	7.63	91	145626	4.841	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	44683	5.220	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	25966	5.110	ug/L	97
47) Tetrachloroethene	8.22	164	29761	4.871	ug/L	96
48) 2-Hexanone	8.36	43	194805	54.850	ug/L	94
49) Dibromochloromethane	8.47	129	32589	5.014	ug/L	96
50) 1,2-Dibromoethane	8.58	107	25342	5.005	ug/L	98
51) Chlorobenzene	9.11	112	92970	4.929	ug/L	99
52) Ethylbenzene	9.24	91	158932	4.794	ug/L	98
53) m,p-Xylene	9.37	106	59085	4.701	ug/L	99
54) o-Xylene	9.77	106	57062	4.549	ug/L	95
55) Styrene	9.79	104	100869	4.888	ug/L	99
56) Isopropylbenzene	10.16	105	155470	4.699	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	34744	5.347	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	25061	5.465	ug/L	100
61) Bromoform	9.95	173	19071	4.835	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	76512	4.774	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	80659	4.951	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	75212	4.857	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	5703	5.246	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	63237	4.924	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	51065	4.931	ug/L	97
69) Naphthalene	13.74	128	79224	4.364	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	48503	4.703	ug/L	96

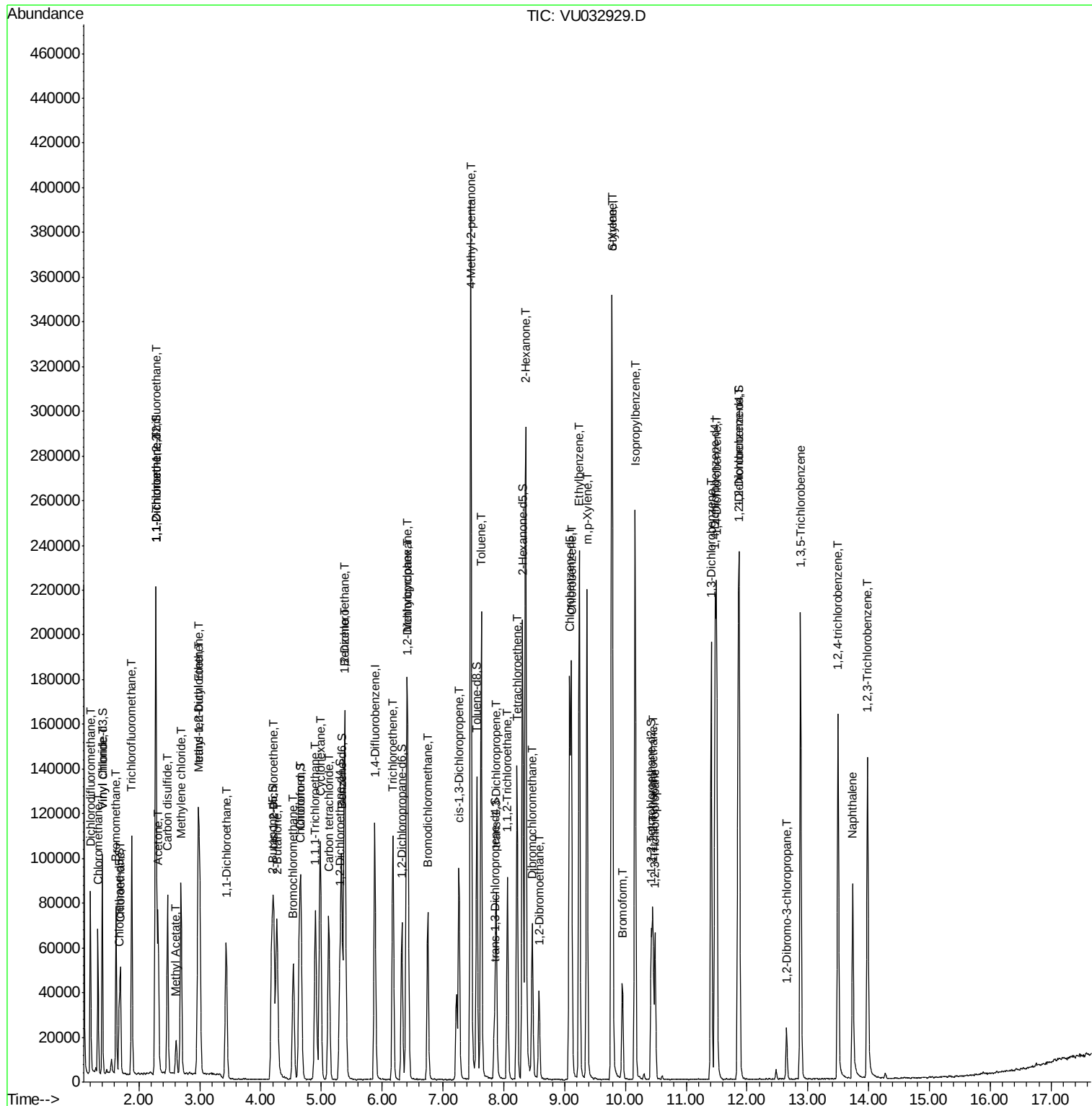
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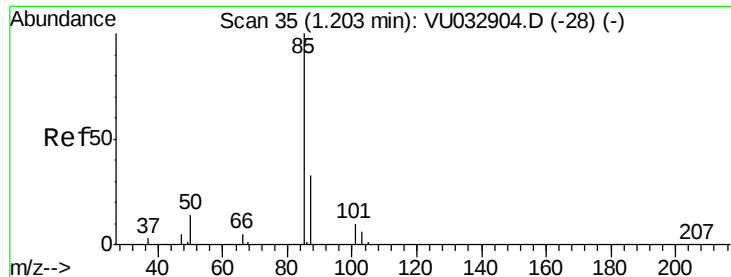
Data File : VU032929.D

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Acq On      : 21 Jun 2019   08:49
Operator    : JC/SP
Sample      : VSTDCCC005
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ClientSampleId :
VSTD00504

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#2

Dichlorodifluoromethane

Concen: 5.660 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

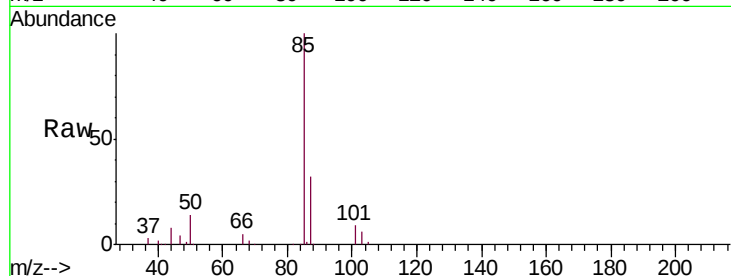
VSTD00504

Tgt Ion: 85 Resp: 44421

Ion Ratio Lower Upper

85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032904.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032904.D (-28) (-)

1.20

40000

30000

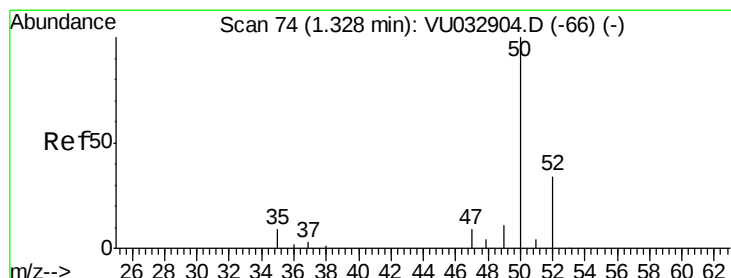
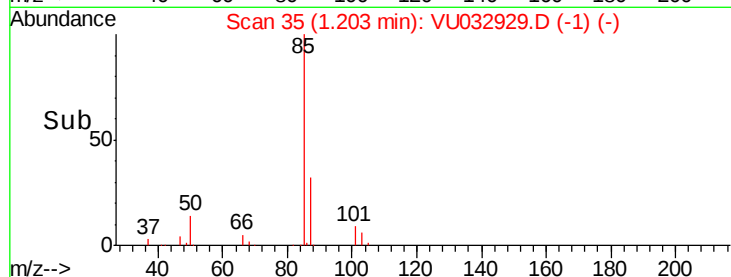
20000

10000

0

Time-->

1.15 1.20 1.25



#3

Chloromethane

Concen: 5.029 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032929.D

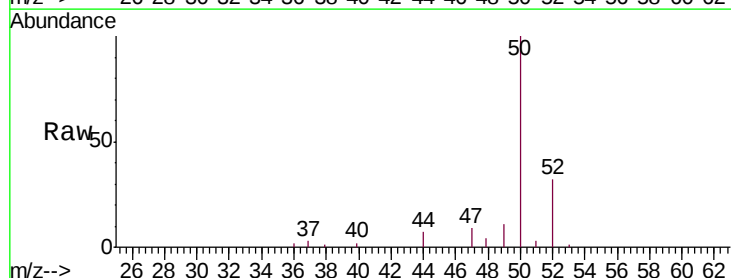
Acq: 21 Jun 2019 08:49

Tgt Ion: 50 Resp: 40937

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032904.D (-66) (-)

Ion 52.05 (51.75 to 52.75): VU032904.D (-66) (-)

1.32

40000

30000

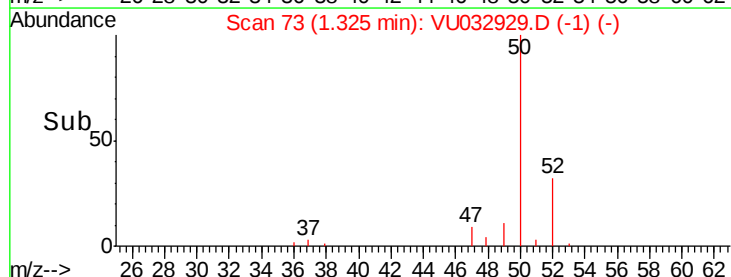
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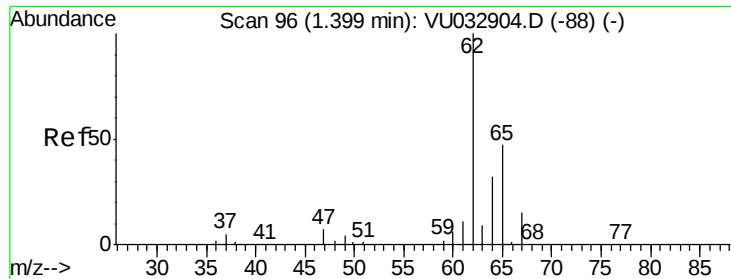
10000

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Time-->

1.30 1.35





#5

Vinyl chloride

Concen: 5.111 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

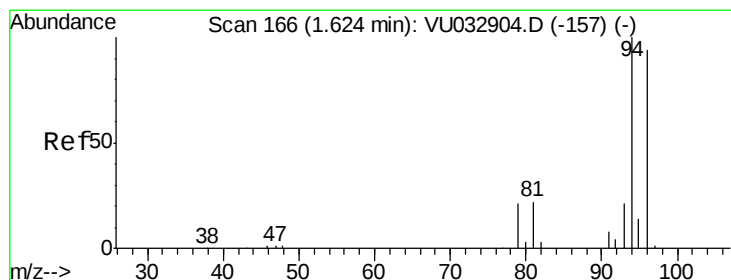
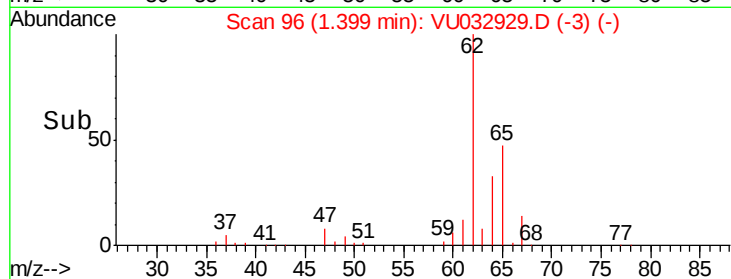
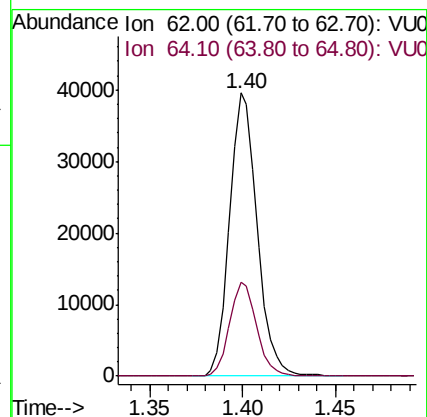
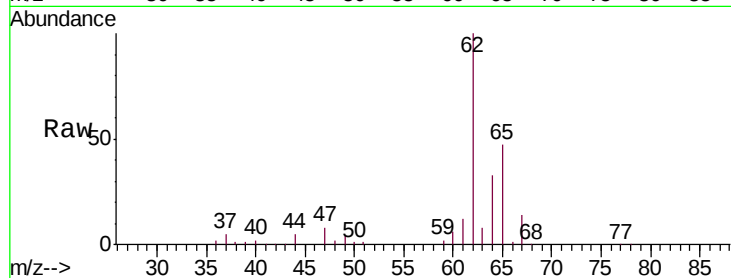
VSTD00504

Tgt Ion: 62 Resp: 40892

Ion Ratio Lower Upper

62 100

64 33.3 23.0 42.8



#6

Bromomethane

Concen: 6.319 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU032929.D

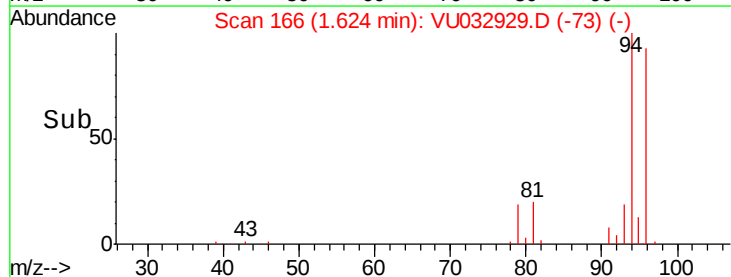
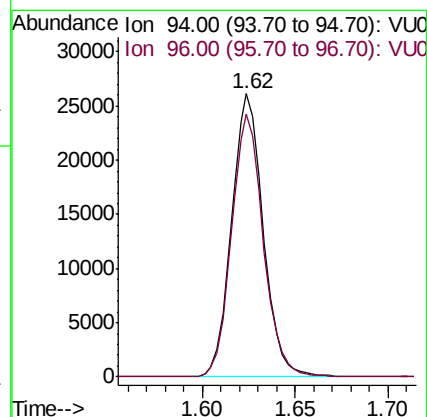
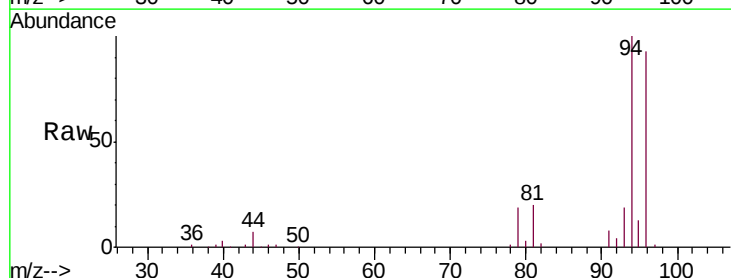
Acq: 21 Jun 2019 08:49

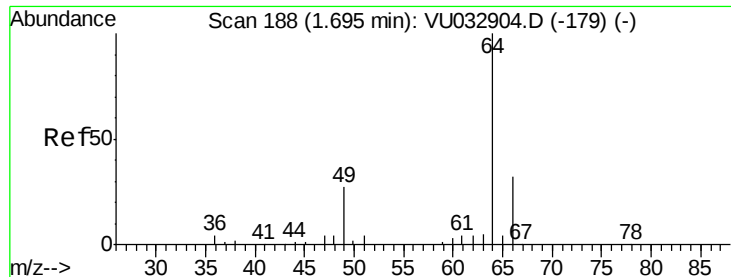
Tgt Ion: 94 Resp: 30837

Ion Ratio Lower Upper

94 100

96 92.7 65.5 121.6





#8

Chloroethane

Concen: 4.867 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

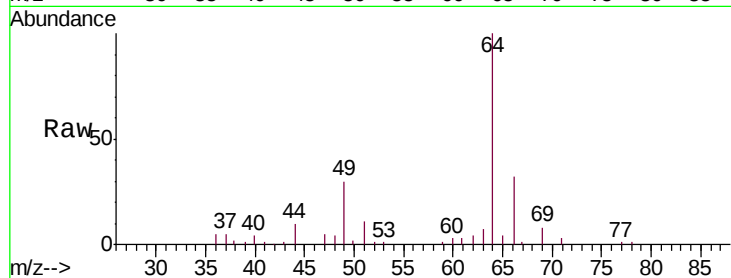
VSTD00504

Tgt Ion: 64 Resp: 24876

Ion Ratio Lower Upper

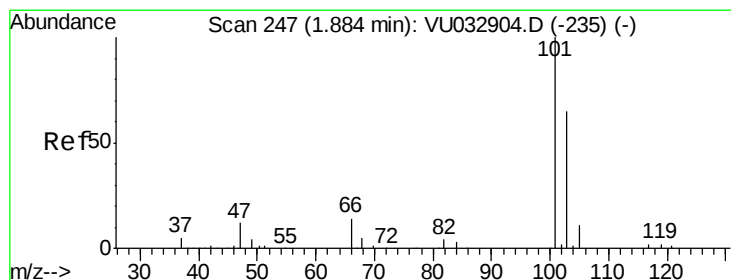
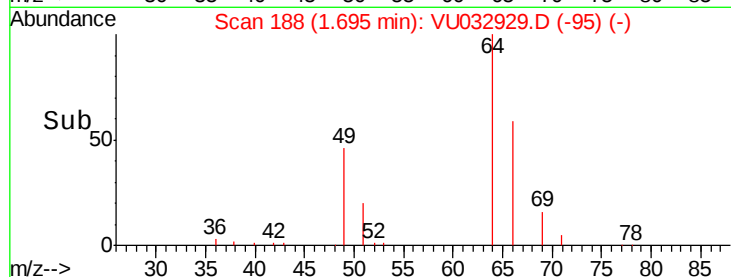
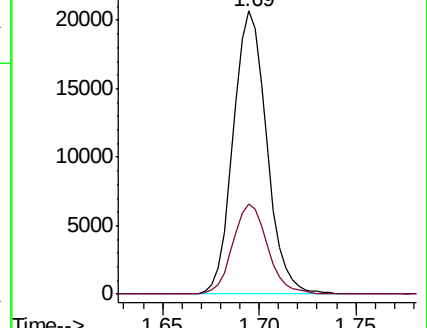
64 100

66 31.7 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032929.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU032929.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 5.419 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032929.D

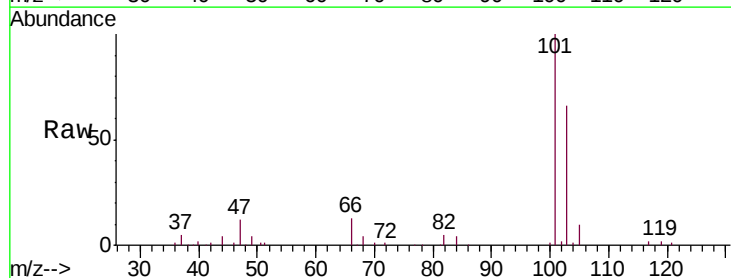
Acq: 21 Jun 2019 08:49

Tgt Ion: 101 Resp: 62042

Ion Ratio Lower Upper

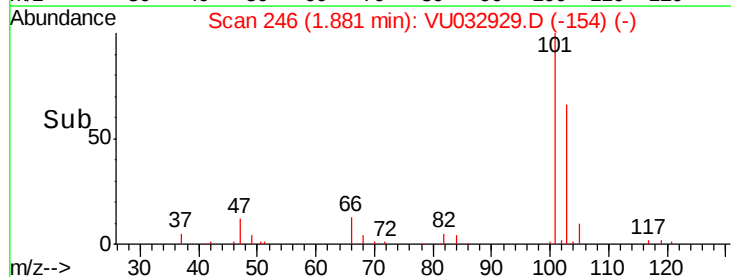
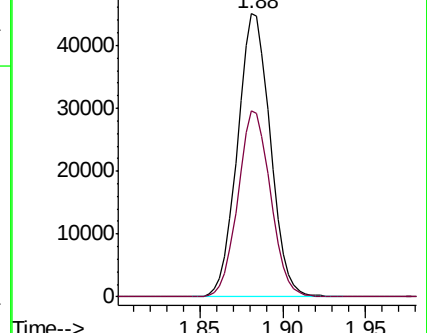
101 100

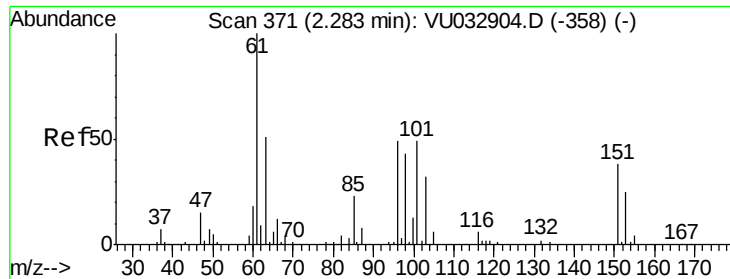
103 65.1 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032929.D (-154) (-)

Ion 103.00 (102.70 to 103.70): VU032929.D (-154) (-)





#10

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

Concen: 5.274 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

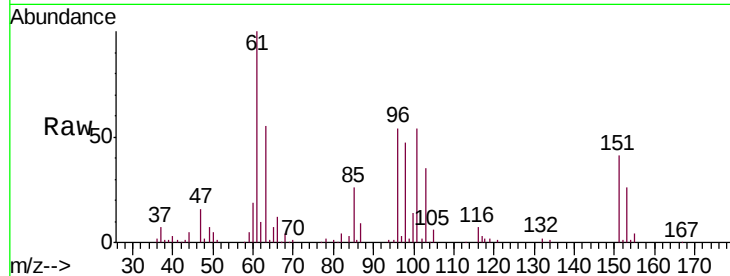
Tgt Ion:101 Resp: 32104

Ion Ratio Lower Upper

101 100

85 47.0 38.9 58.3

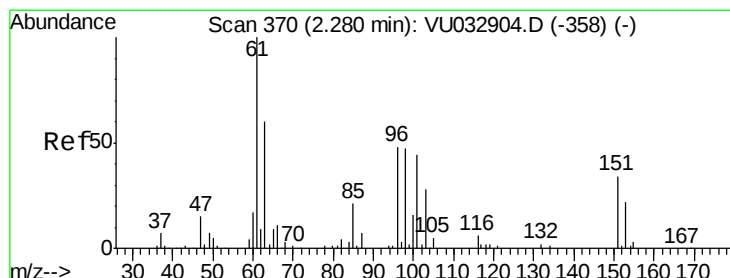
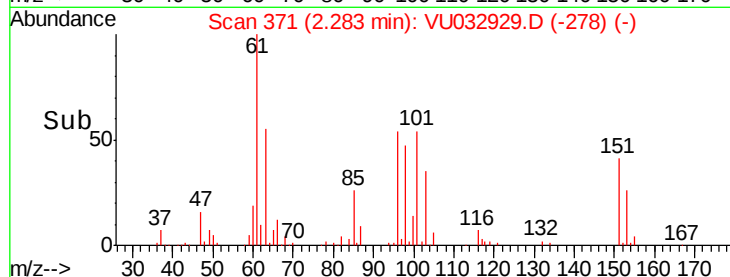
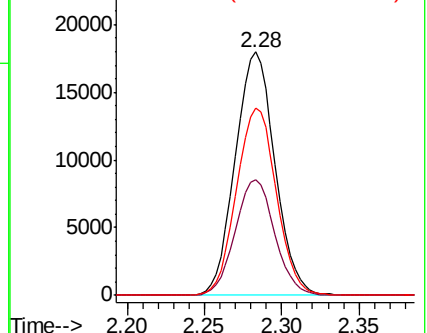
151 77.1 61.0 91.4



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: 4.868 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

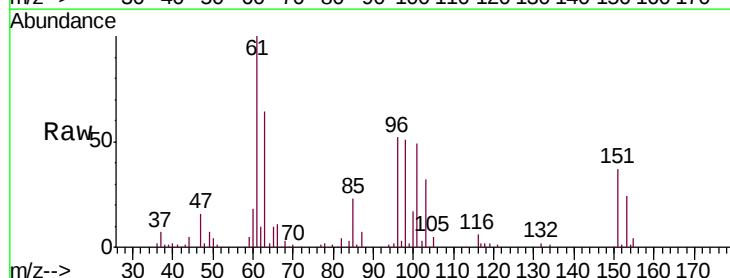
Tgt Ion: 96 Resp: 28288

Ion Ratio Lower Upper

96 100

61 191.3 131.8 244.8

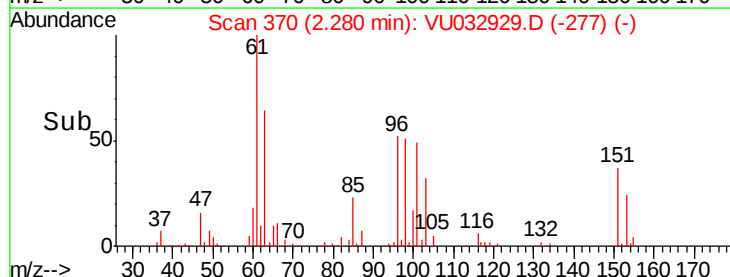
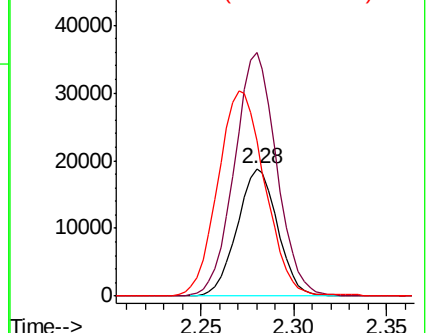
63 121.7 90.1 167.3

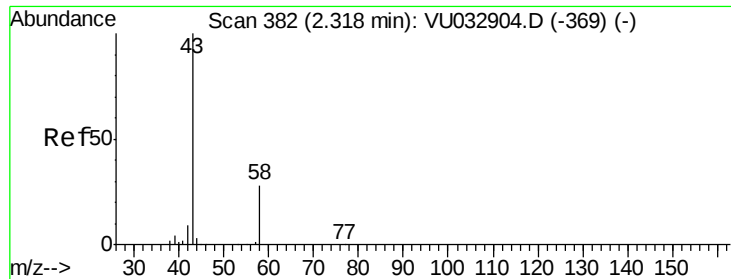


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.783 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

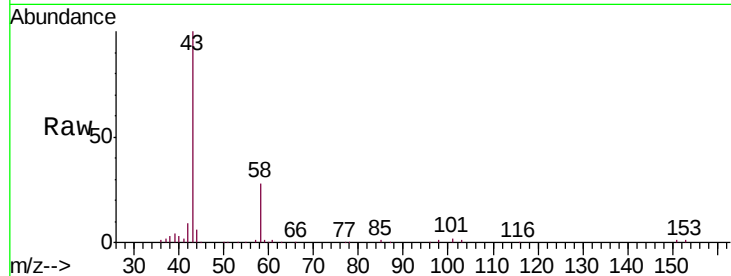
VSTD00504

Tgt Ion: 43 Resp: 73145

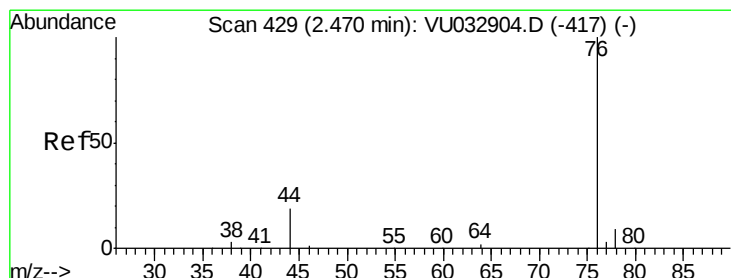
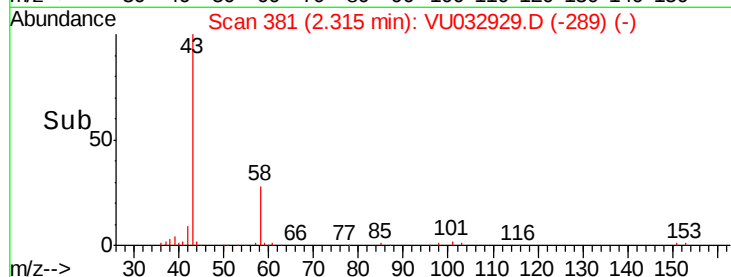
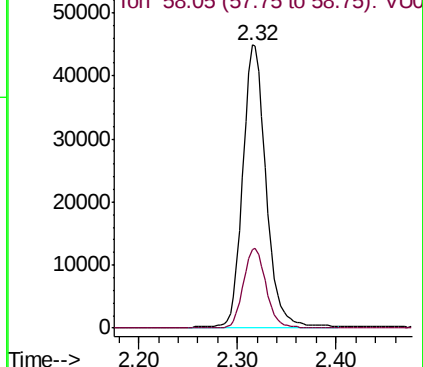
Ion Ratio Lower Upper

43 100

58 27.6 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032929.D (-289) (-)



#14

Carbon disulfide

Concen: 4.870 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032929.D

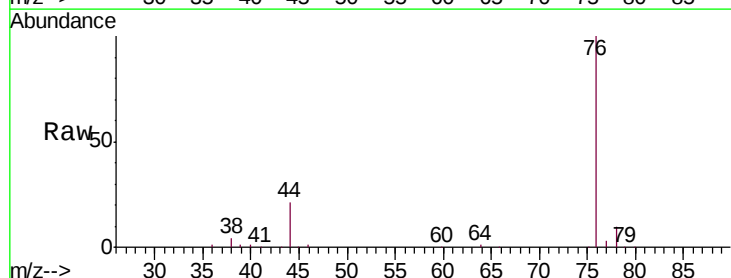
Acq: 21 Jun 2019 08:49

Tgt Ion: 76 Resp: 90638

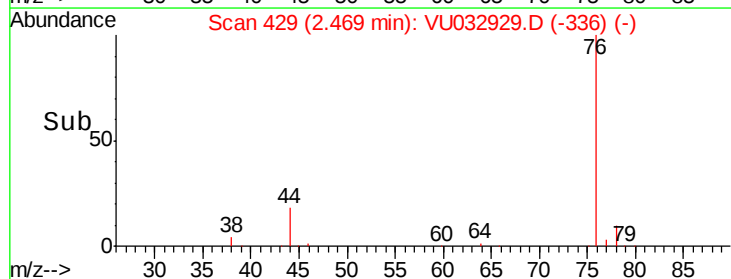
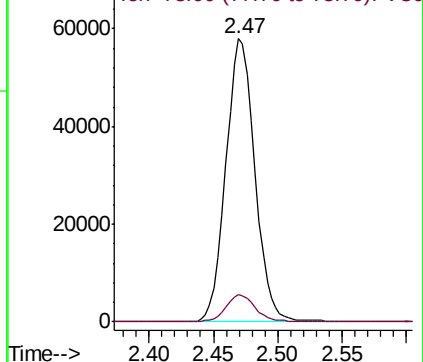
Ion Ratio Lower Upper

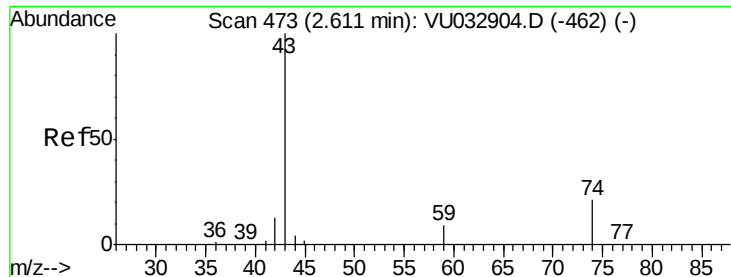
76 100

78 9.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU032929.D (-336) (-)





#15

Methyl Acetate

Concen: 4.973 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

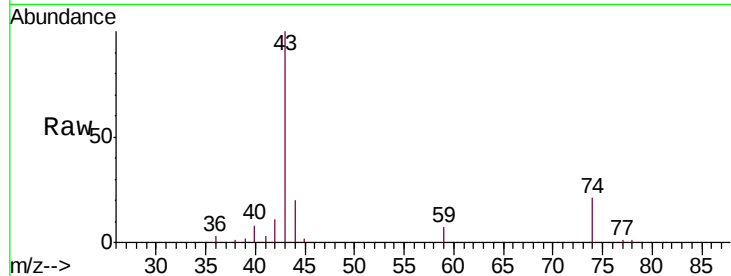
VSTD00504

Tgt Ion: 43 Resp: 17575

Ion Ratio Lower Upper

43 100

74 21.6 17.8 26.8

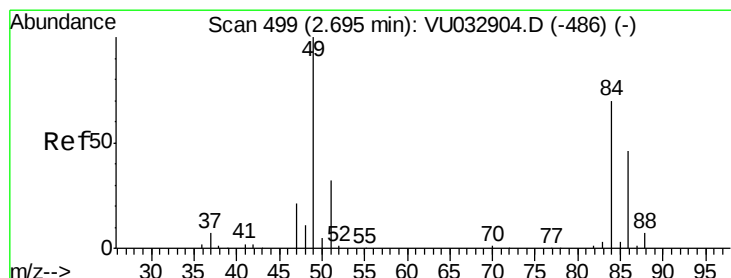
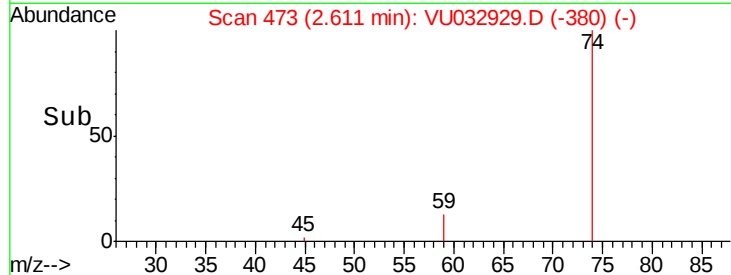


Abundance Ion 43.05 (42.75 to 43.75): VU032929.D (-380) (-)

Ion 74.05 (73.75 to 74.75): VU032929.D (-380) (-)

2.61

Time-->



#16

Methylene chloride

Concen: 5.112 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

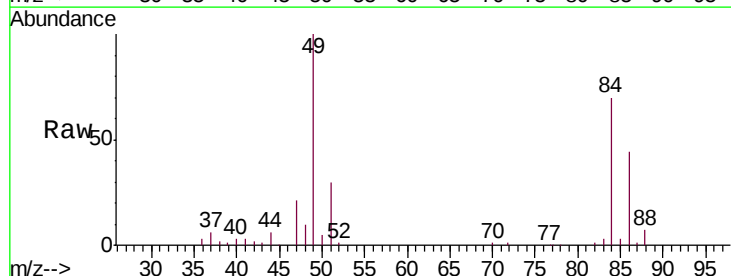
Tgt Ion: 84 Resp: 32947

Ion Ratio Lower Upper

84 100

86 62.9 47.2 87.6

49 142.4 95.9 178.1



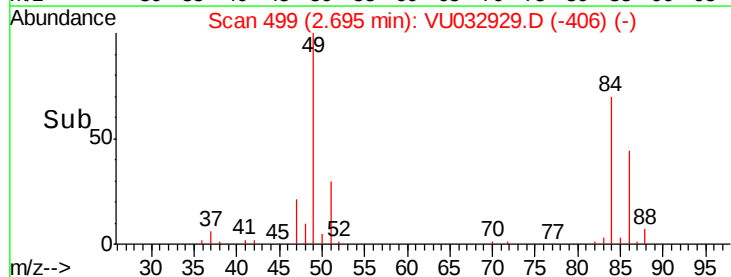
Abundance Ion 84.05 (83.75 to 84.75): VU032929.D (-406) (-)

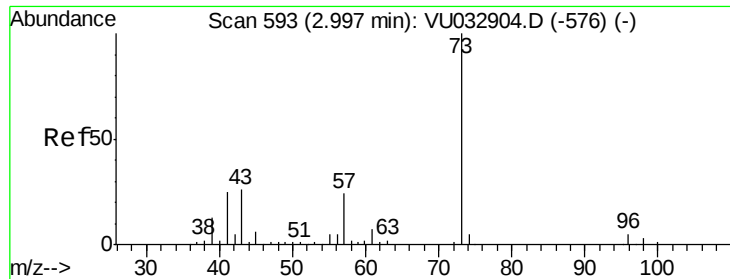
Ion 86.00 (85.70 to 86.70): VU032929.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU032929.D (-406) (-)

2.69

Time-->

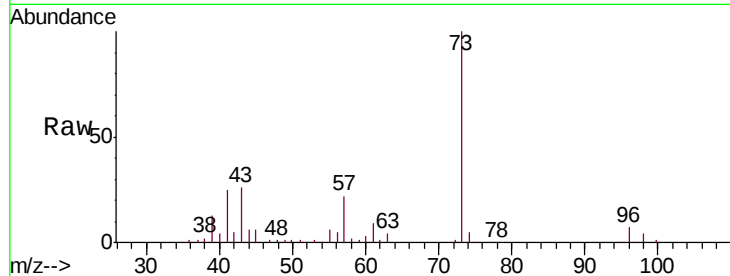




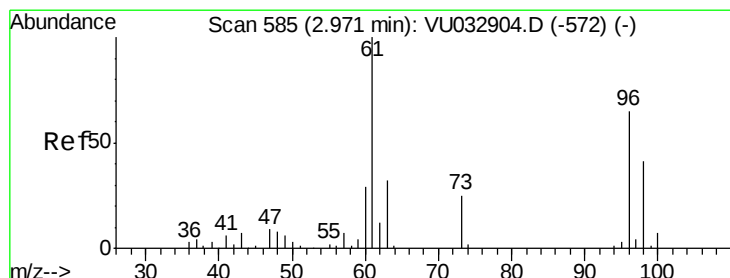
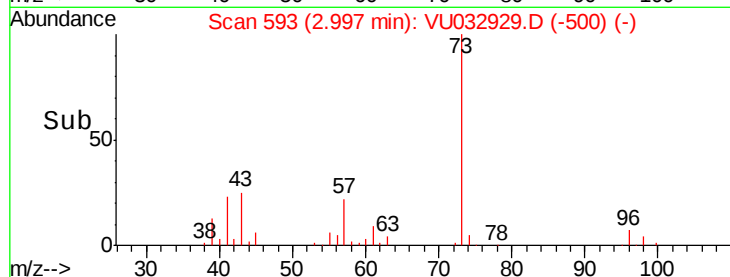
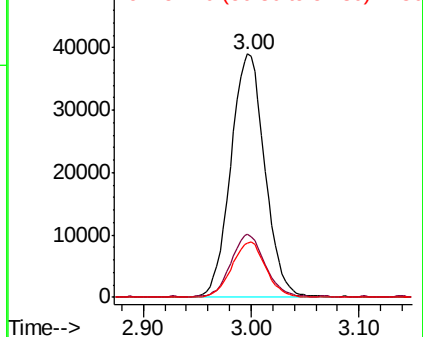
#17
Methyl tert-butyl Ether
Concen: 5.028 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 73 Resp: 85459
Ion Ratio Lower Upper
73 100
43 25.2 18.6 27.8
57 22.7 18.3 27.5

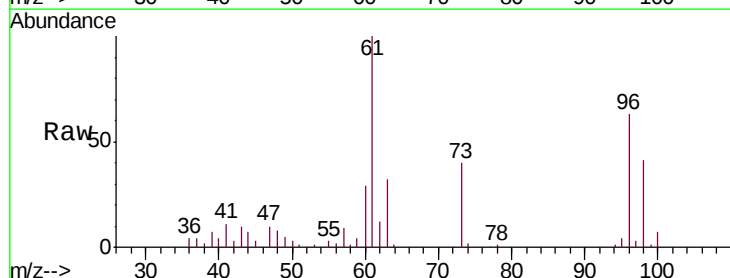


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

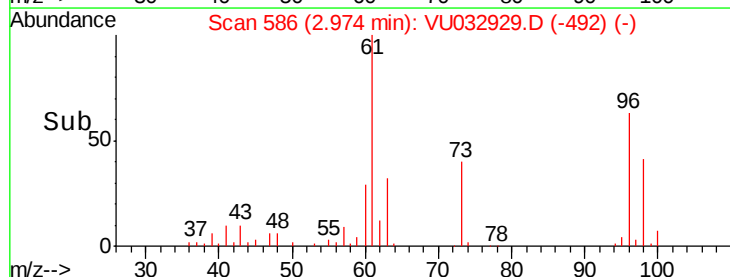
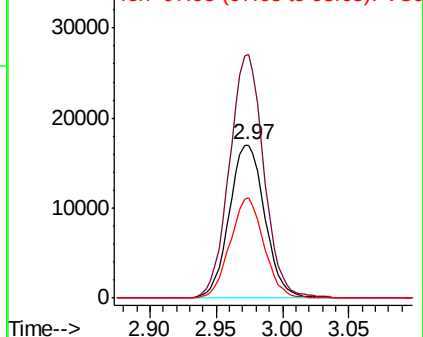


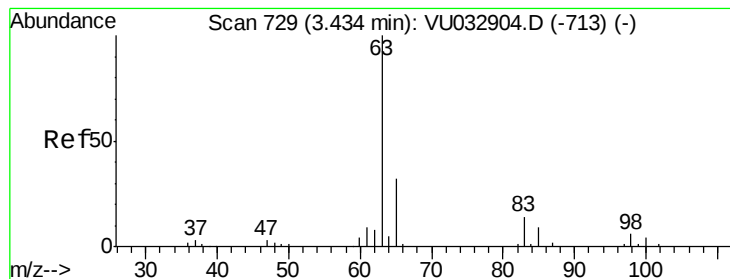
#18
trans-1,2-Dichloroethene
Concen: 5.062 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

Tgt Ion: 96 Resp: 31737
Ion Ratio Lower Upper
96 100
61 159.3 103.1 191.5
98 65.9 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: 5.731 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

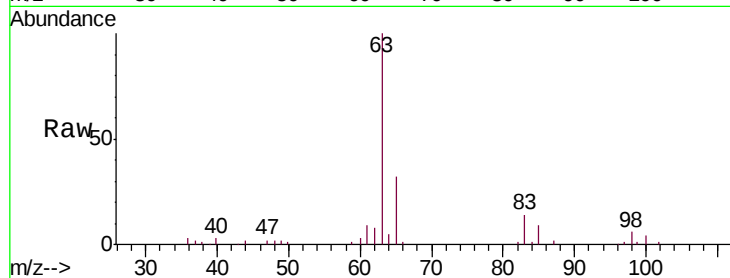
Tgt Ion: 63 Resp: 64318

Ion Ratio Lower Upper

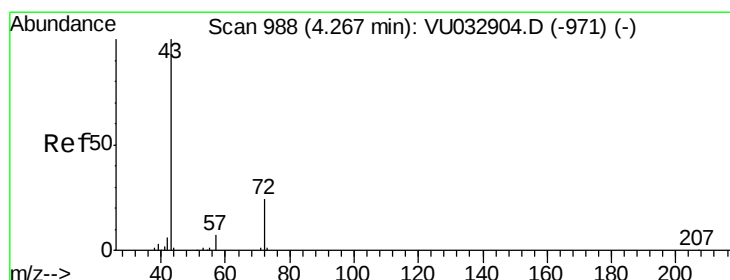
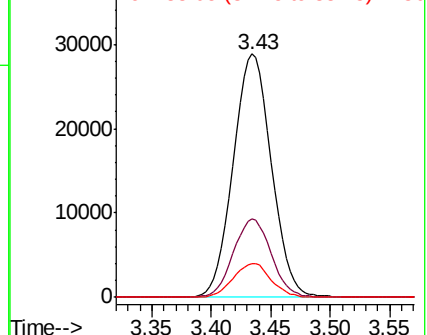
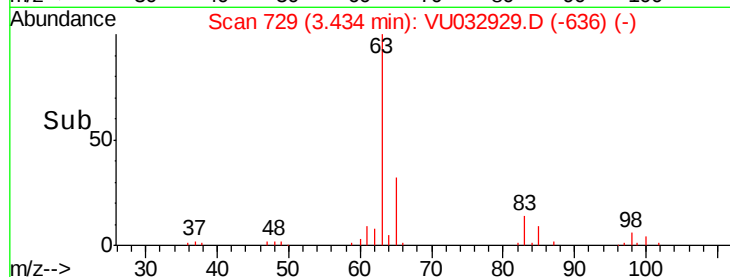
63 100

65 32.3 21.3 39.6

83 13.9 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU032929.D (-636) (-)



#21

2-Butanone

Concen: 59.397 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VU032929.D

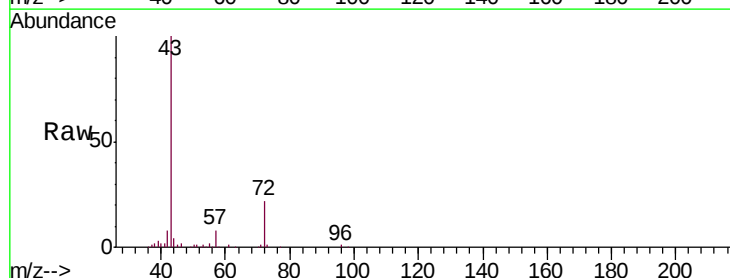
Acq: 21 Jun 2019 08:49

Tgt Ion: 43 Resp: 111280

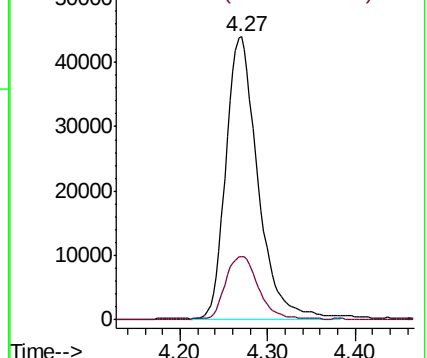
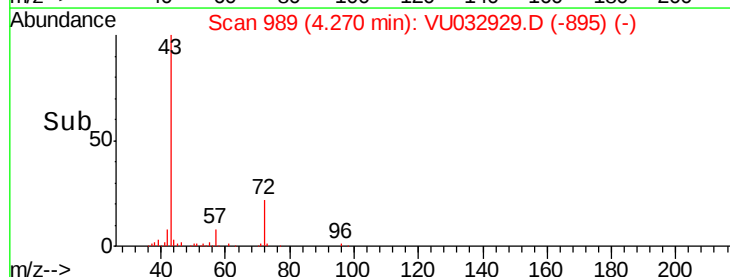
Ion Ratio Lower Upper

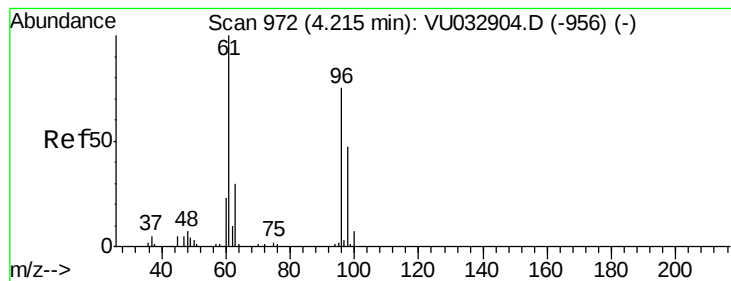
43 100

72 24.0 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU032929.D (-895) (-)



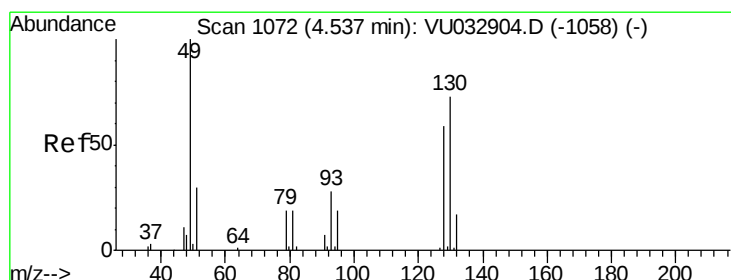
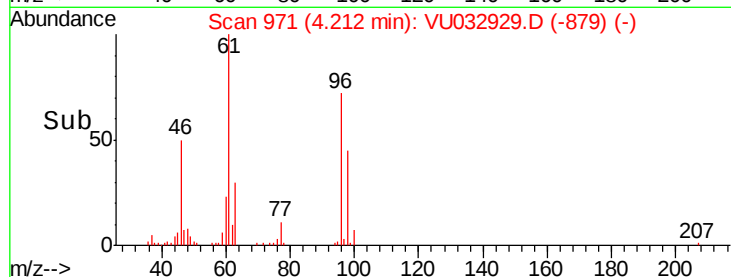
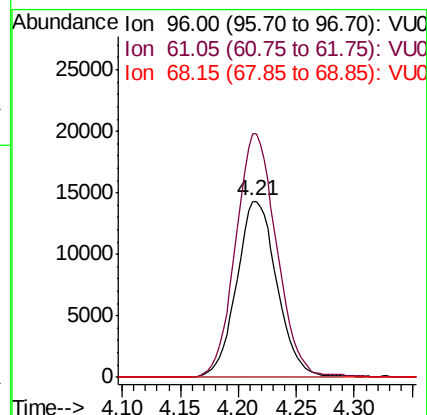
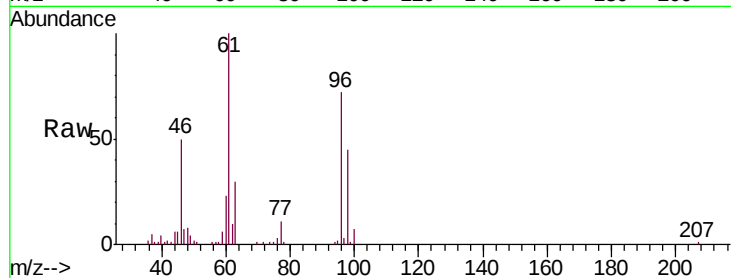


#22

cis-1,2-Dichloroethene
 Concen: 4.876 ug/L
 RT: 4.21 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

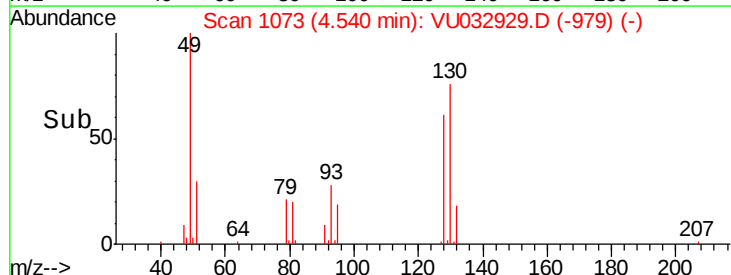
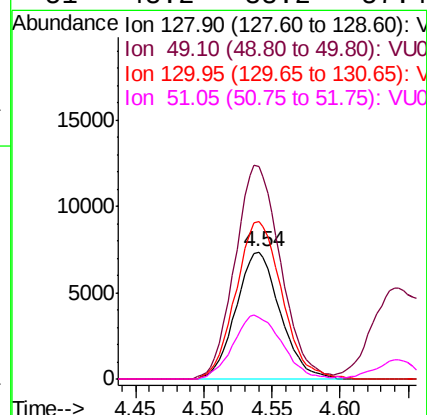
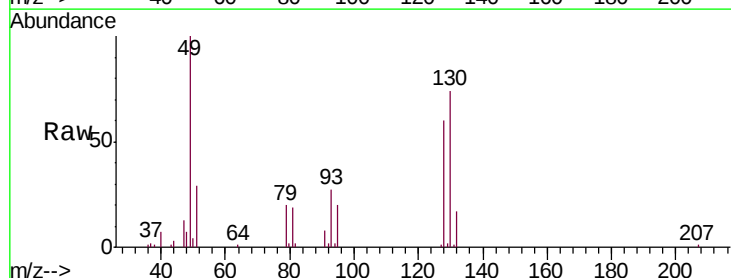
Tgt Ion: 96 Resp: 34601
 Ion Ratio Lower Upper
 96 100
 61 138.2 86.6 160.8
 68 0.0 0.0 0.0

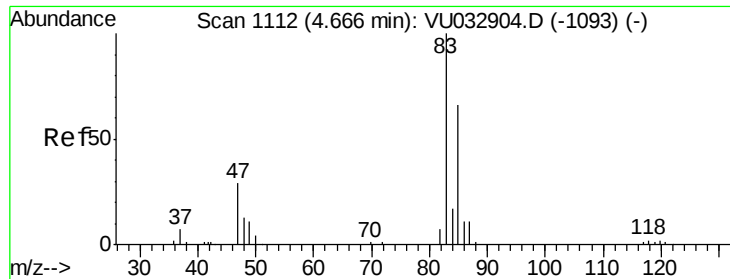


#23

Bromochloromethane
 Concen: 5.435 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Tgt Ion: 128 Resp: 16601
 Ion Ratio Lower Upper
 128 100
 49 167.6 107.8 200.2
 130 124.1 89.3 165.9
 51 48.2 38.2 57.4

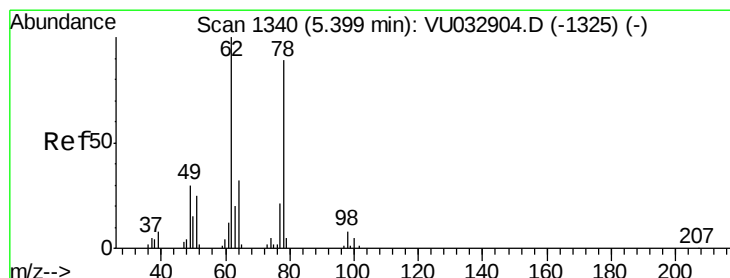
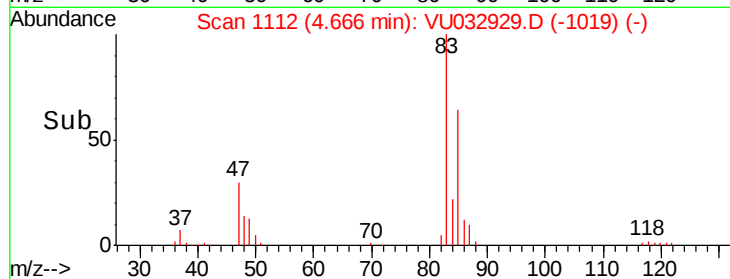
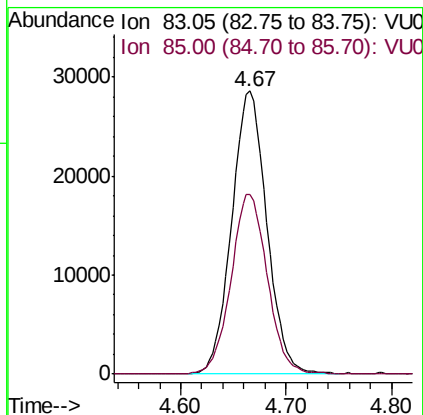
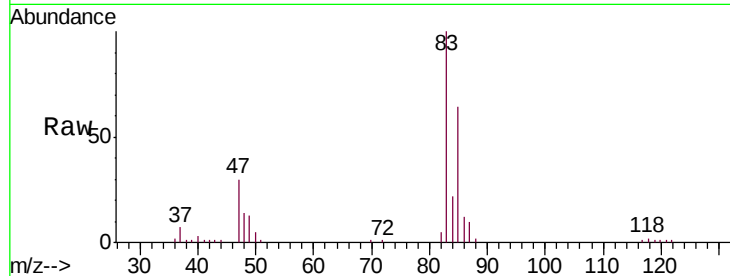




#25
Chloroform
Concen: 5.761 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

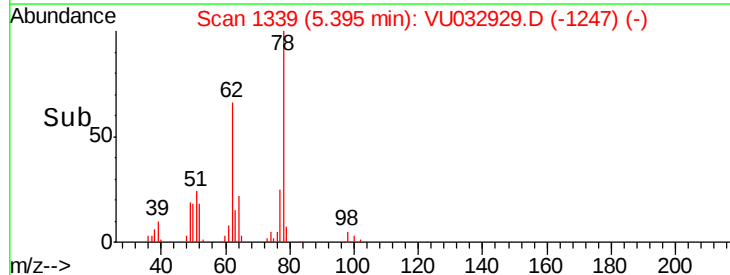
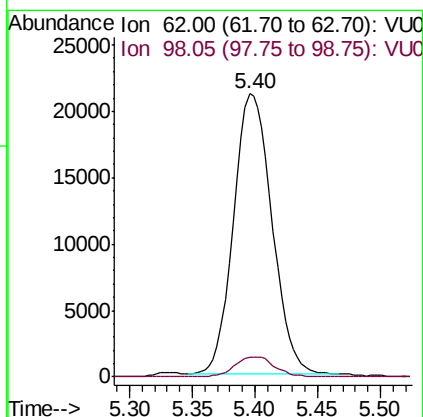
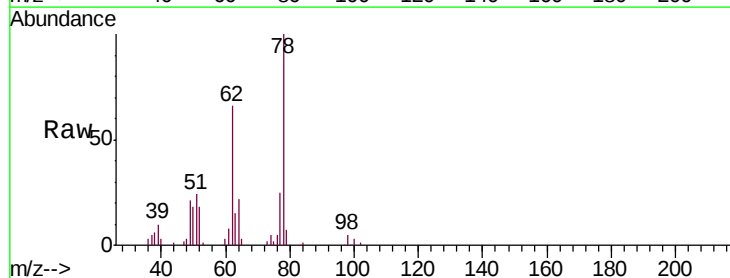
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

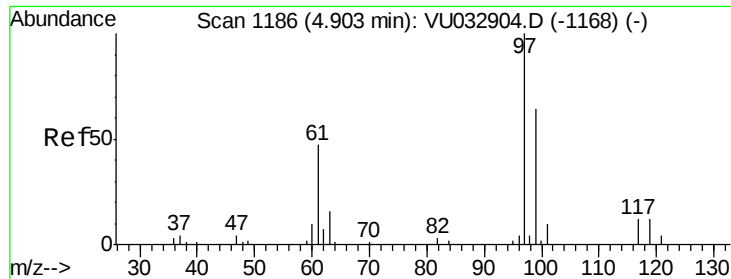
Tgt Ion: 83 Resp: 66051
Ion Ratio Lower Upper
83 100
85 63.7 43.8 81.3



#27
1,2-Dichloroethane
Concen: 5.970 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

Tgt Ion: 62 Resp: 44987
Ion Ratio Lower Upper
62 100
98 7.0 7.0 10.6

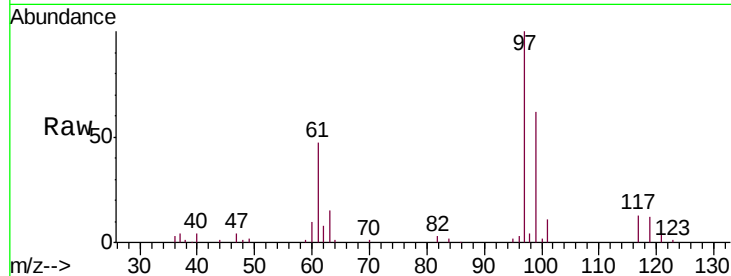




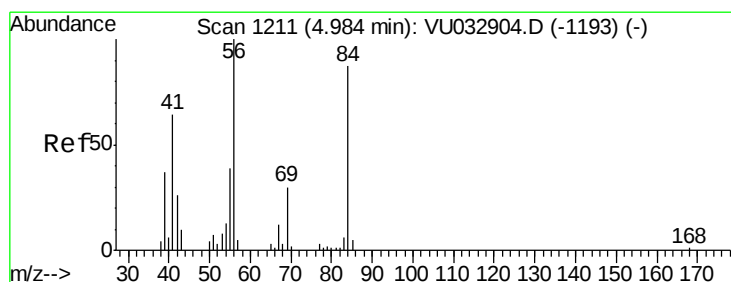
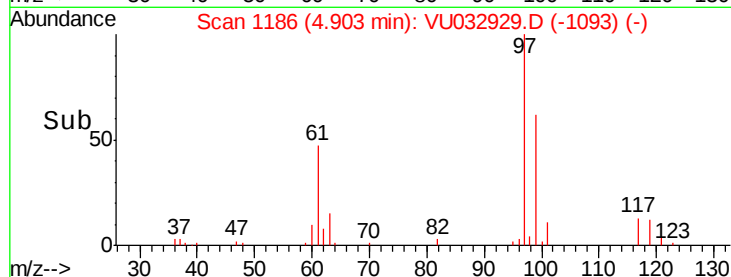
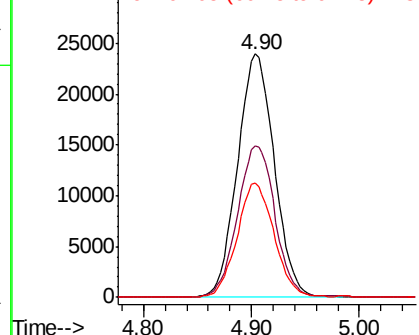
#29
 1,1,1-Trichloroethane
 Concen: 5.101 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion: 97 Resp: 56903
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.8 77.6
 61 47.3 34.7 52.1

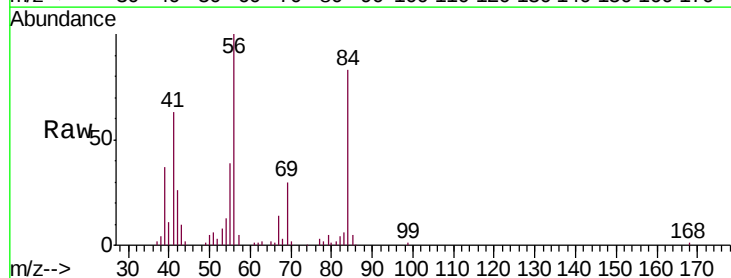


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

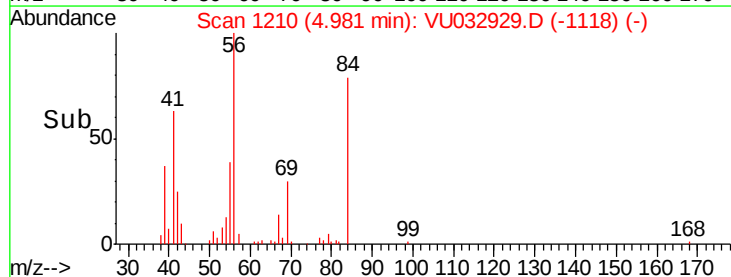
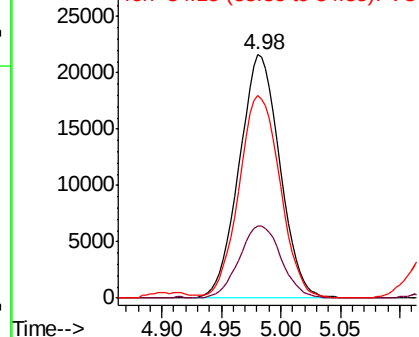


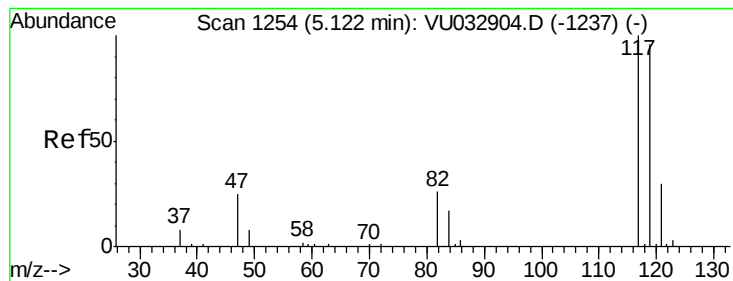
#30
 Cyclohexane
 Concen: 4.337 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Tgt Ion: 56 Resp: 51138
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.9 37.3
 84 84.4 70.2 105.2



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: 5.063 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

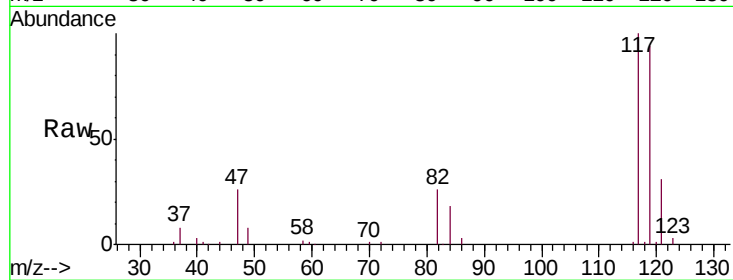
VSTD00504

Tgt Ion:117 Resp: 51359

Ion Ratio Lower Upper

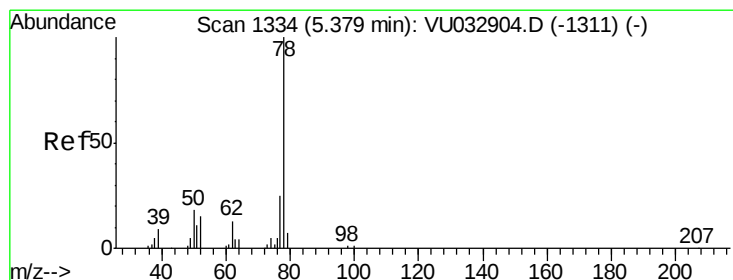
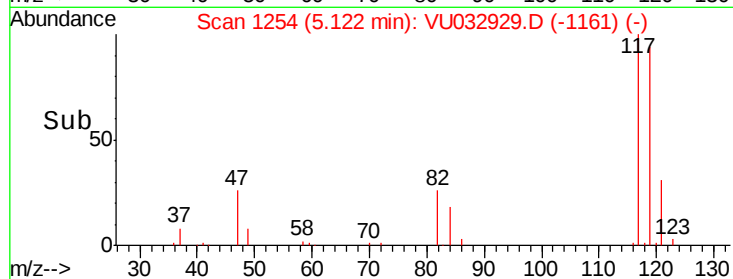
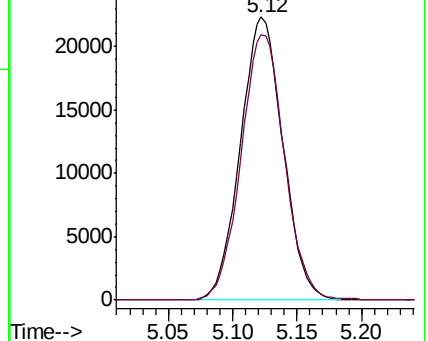
117 100

119 95.3 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.883 ug/L

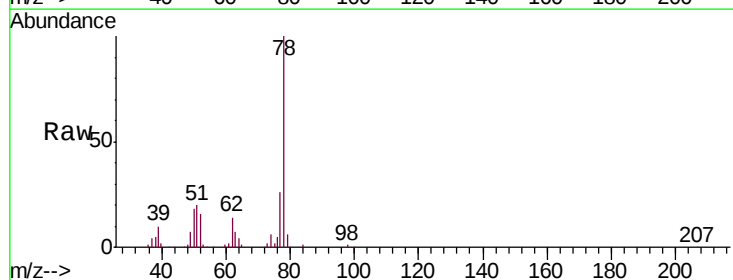
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

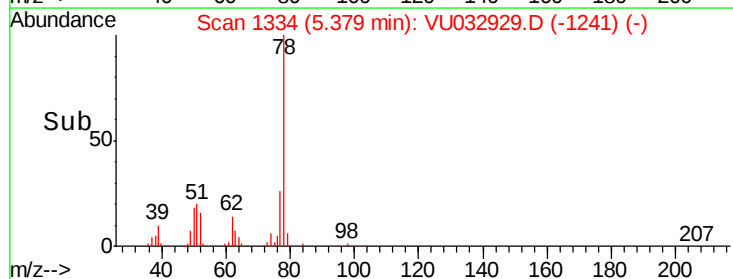
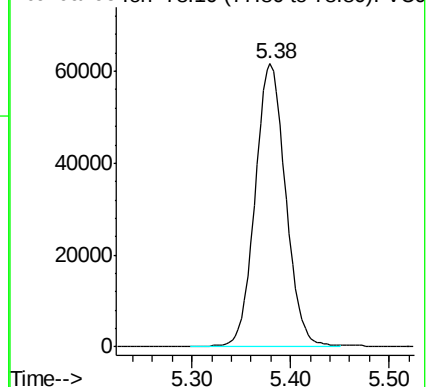
Lab File: VU032929.D

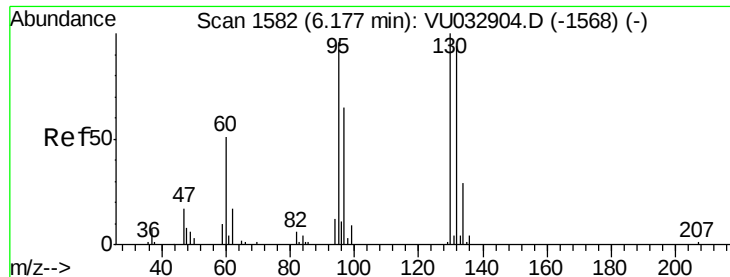
Acq: 21 Jun 2019 08:49

Tgt Ion: 78 Resp: 131807



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.635 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

Tgt Ion: 95 Resp: 35988

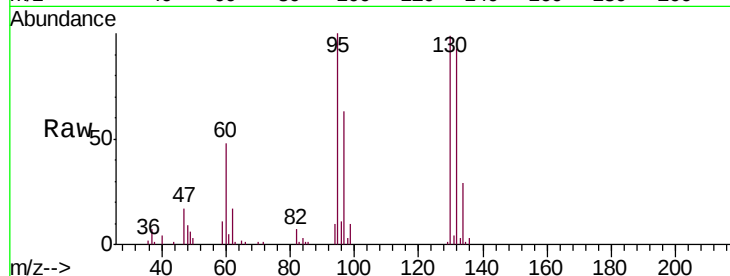
Ion Ratio Lower Upper

95 100

97 62.8 44.1 81.9

132 93.0 68.8 127.8

130 98.7 71.0 131.8

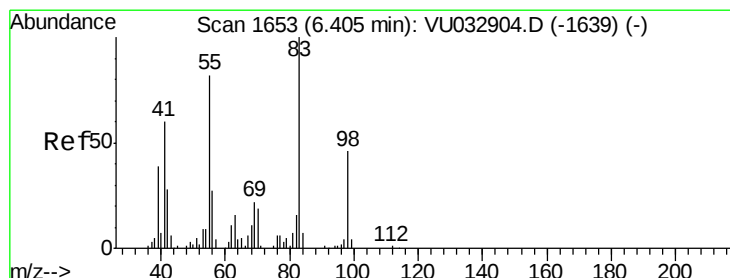
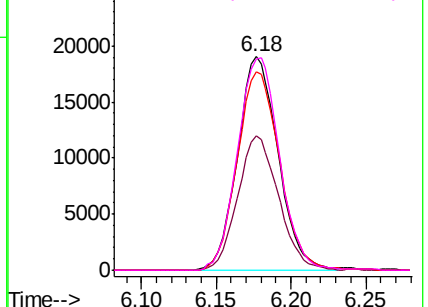
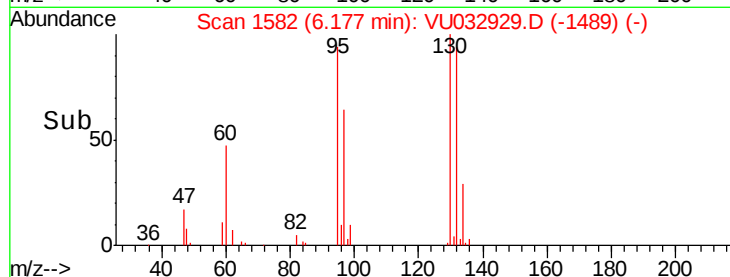


Abundance Ion 95.00 (94.70 to 95.70): VU032929.D (-1489) (-)

Ion 96.95 (96.65 to 97.65): VU032929.D (-1489) (-)

Ion 131.95 (131.65 to 132.65): VU032929.D (-1489) (-)

Ion 129.95 (129.65 to 130.65): VU032929.D (-1489) (-)



#35

Methylcyclohexane

Concen: 4.297 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

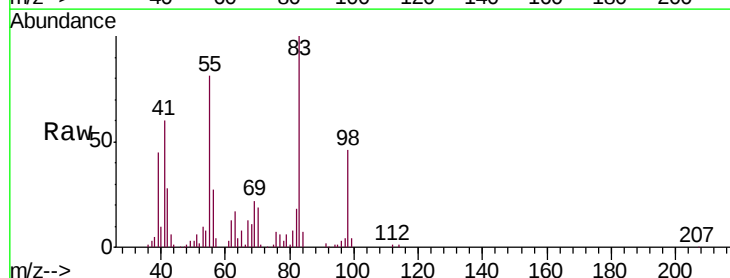
Tgt Ion: 83 Resp: 53659

Ion Ratio Lower Upper

83 100

55 81.9 60.0 90.0

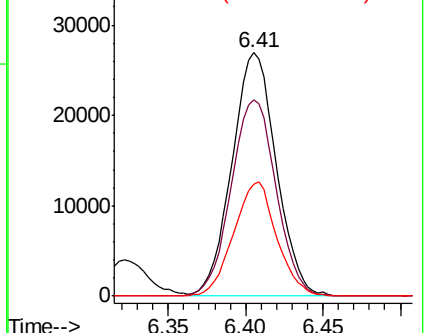
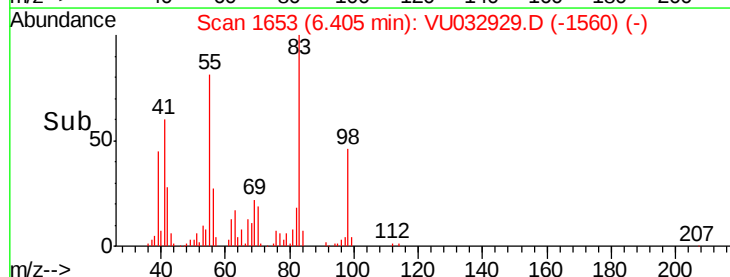
98 45.4 37.8 56.8

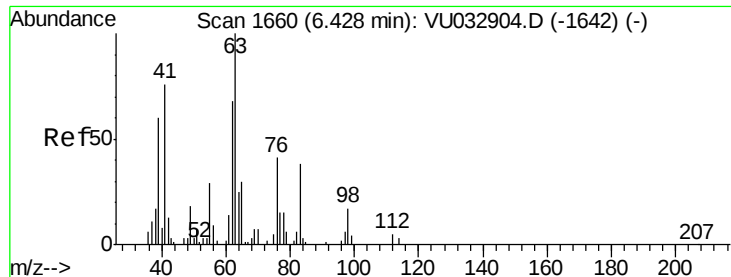


Abundance Ion 83.15 (82.85 to 83.85): VU032929.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU032929.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU032929.D (-1560) (-)





#37

1,2-Dichloropropane

Concen: 5.264 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

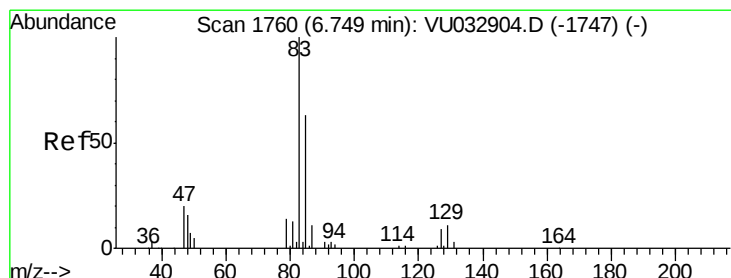
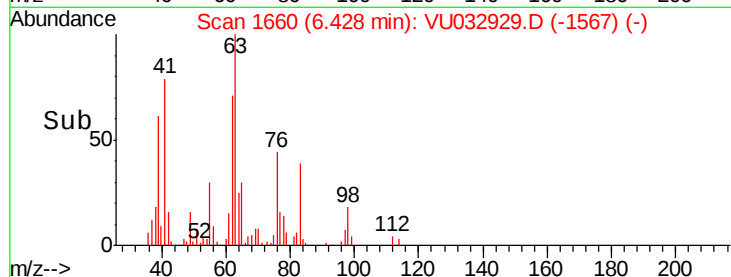
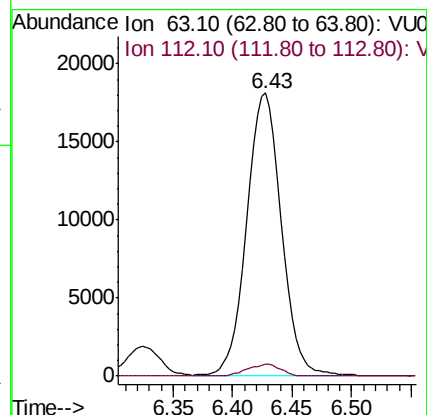
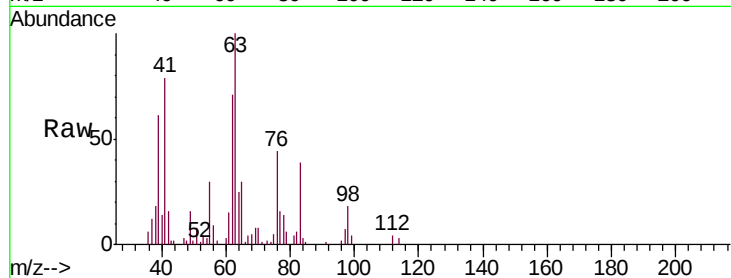
VSTD00504

Tgt Ion: 63 Resp: 36764

Ion Ratio Lower Upper

63 100

112 4.0 2.9 4.3



#38

Bromodichloromethane

Concen: 5.337 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

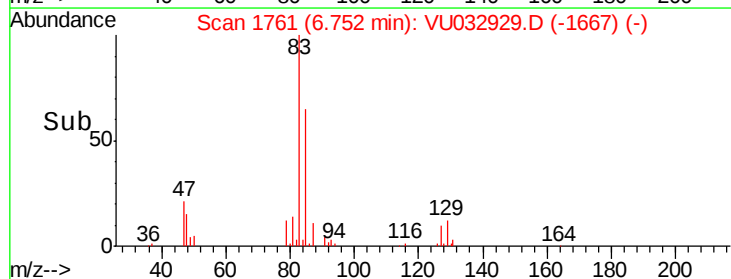
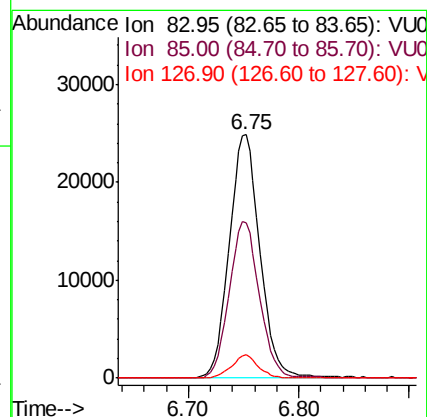
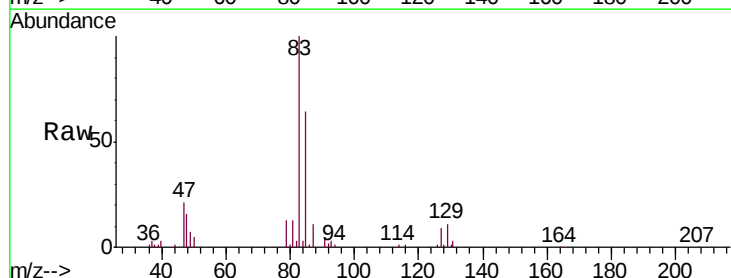
Tgt Ion: 83 Resp: 47904

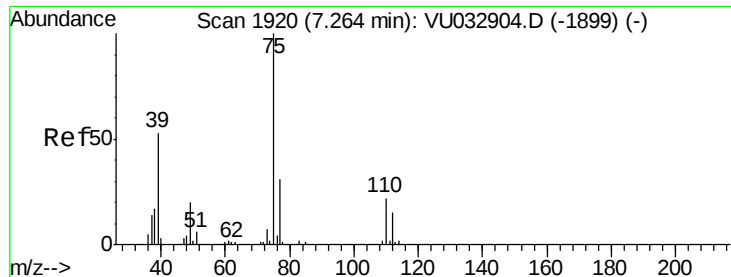
Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0

127 9.5 7.4 11.2

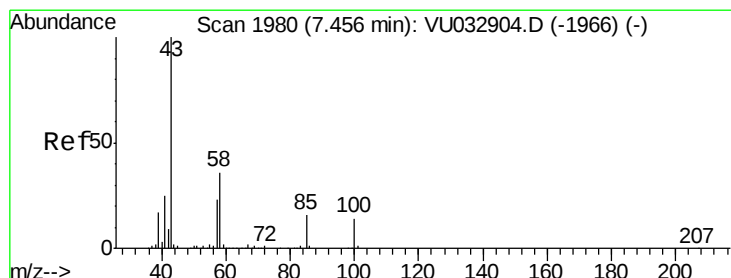
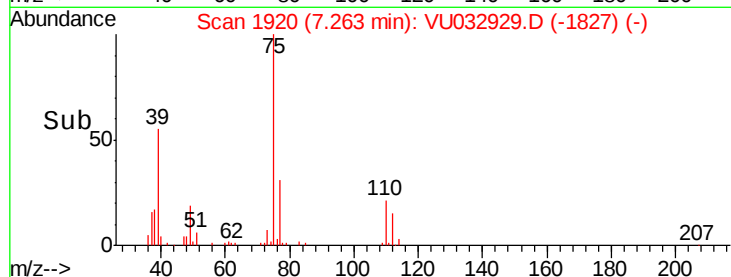
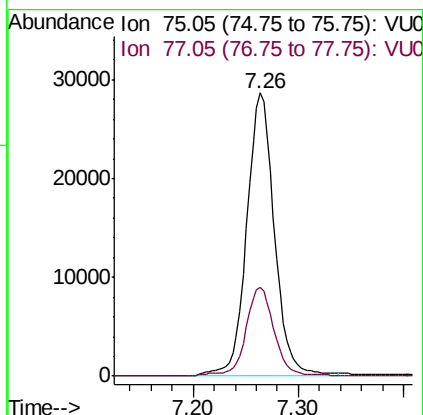
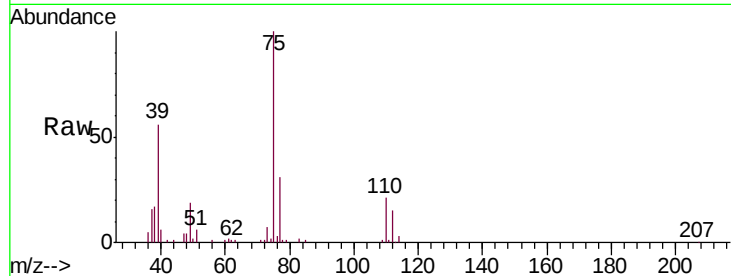




#39
 cis-1,3-Dichloropropene
 Concen: 4.913 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

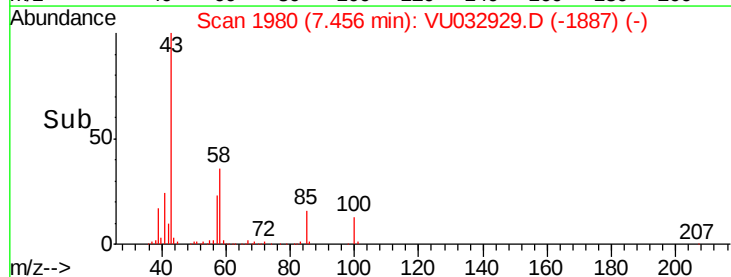
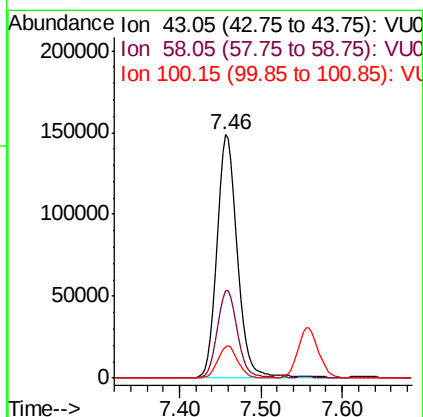
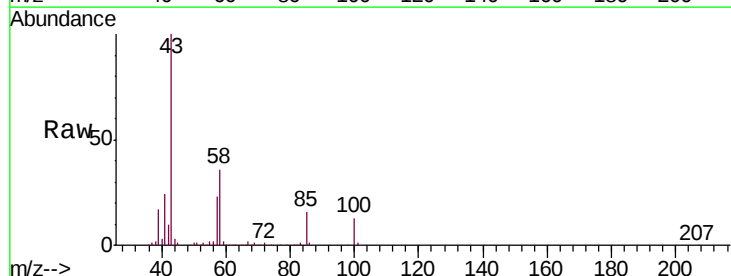
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

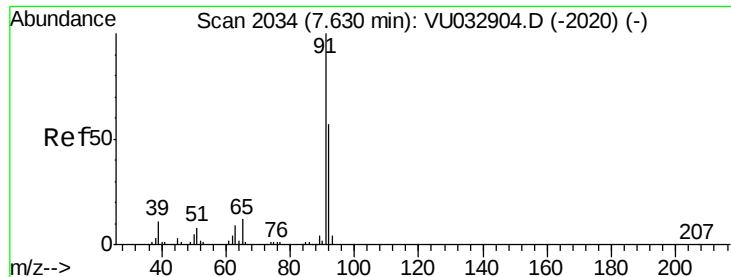
Tgt Ion: 75 Resp: 52678
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 53.541 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Tgt Ion: 43 Resp: 266091
 Ion Ratio Lower Upper
 43 100
 58 35.5 30.9 46.3
 100 13.0 11.9 17.9





#42

Toluene

Concen: 4.841 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

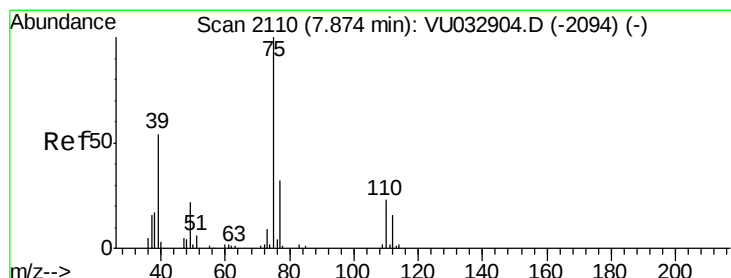
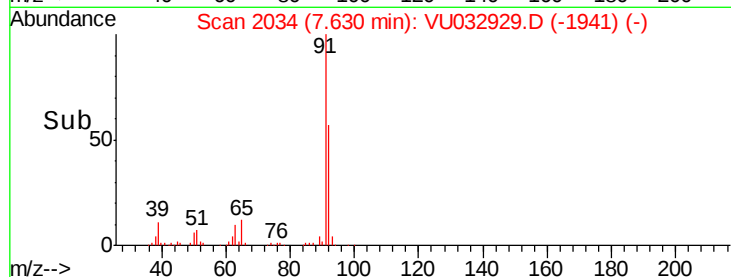
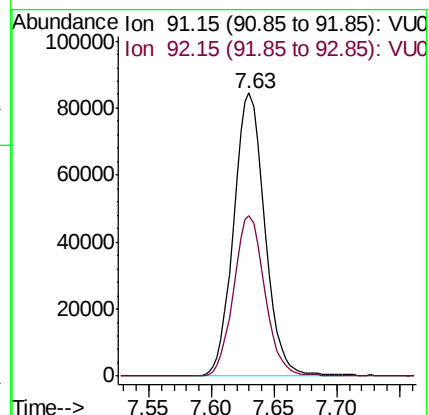
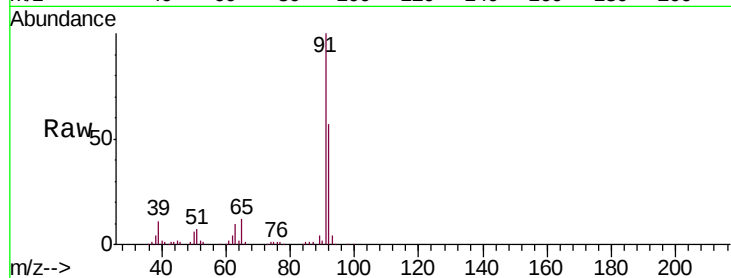
VSTD00504

Tgt Ion: 91 Resp: 145626

Ion Ratio Lower Upper

91 100

92 56.9 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.220 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032929.D

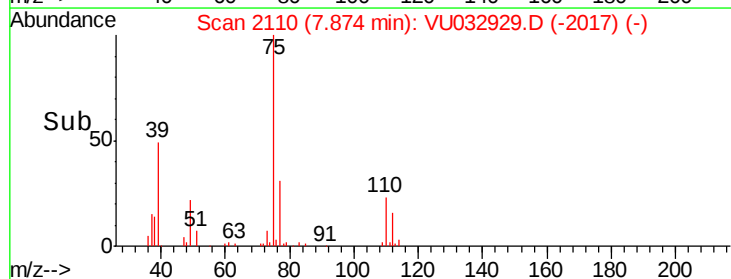
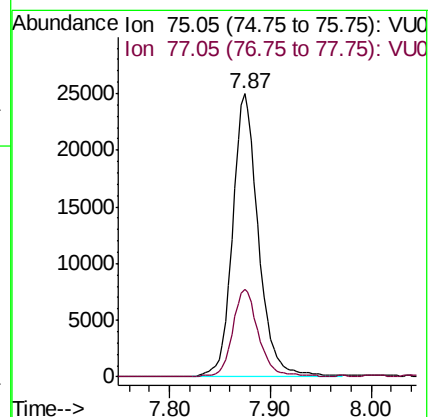
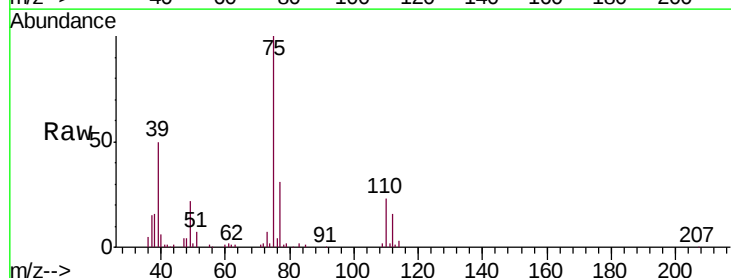
Acq: 21 Jun 2019 08:49

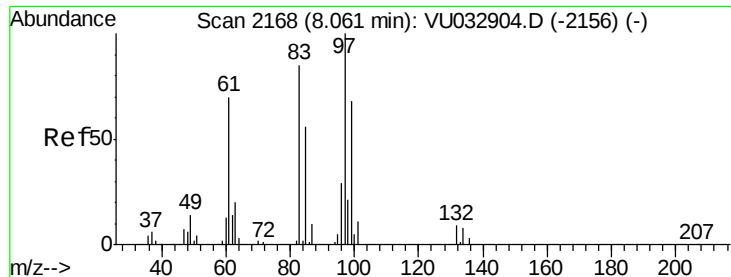
Tgt Ion: 75 Resp: 44683

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7

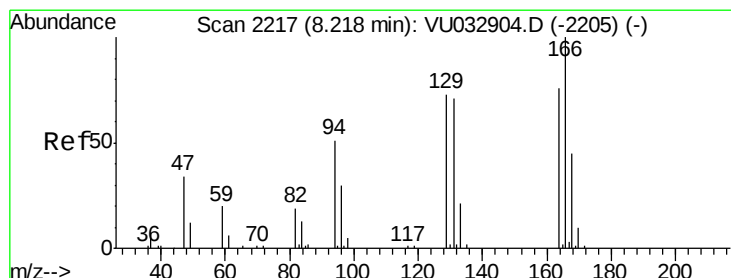
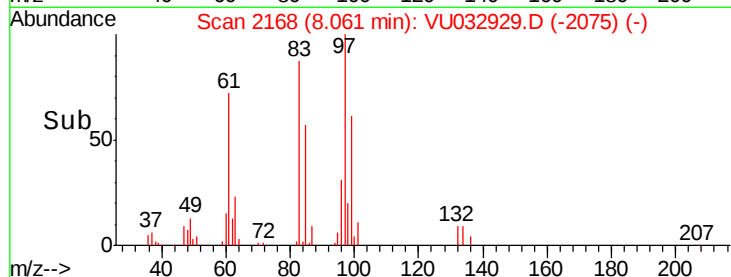
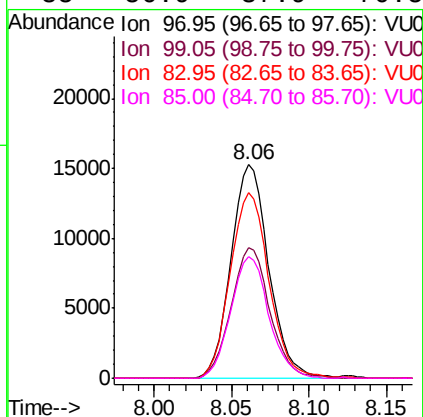
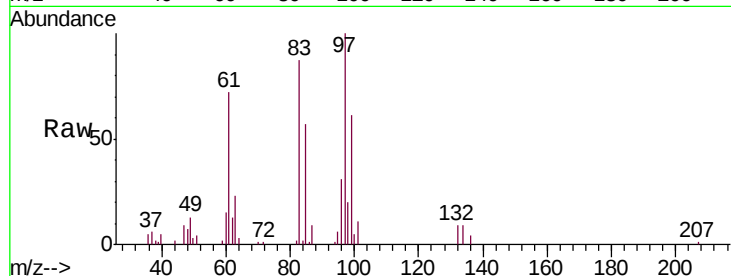




#45
 1,1,2-Trichloroethane
 Concen: 5.110 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

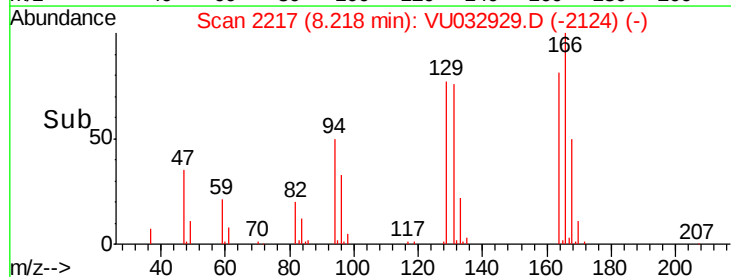
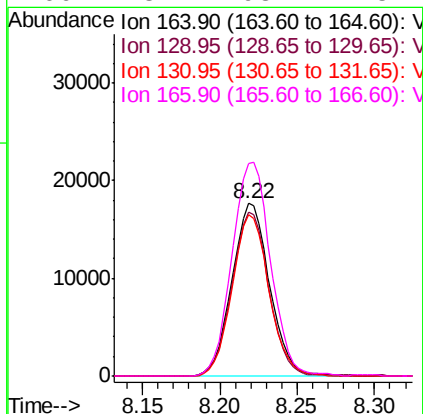
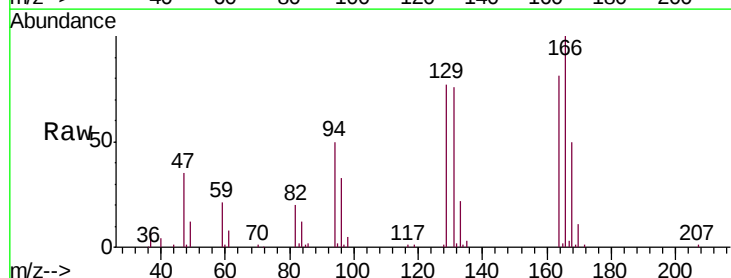
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

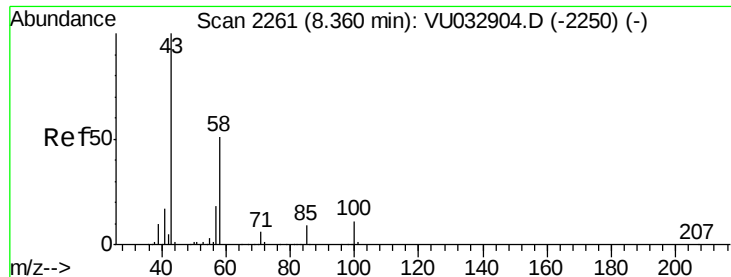
Tgt Ion:	97	Resp:	25966
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.9	83.3
83	86.6	58.7	108.9
85	56.9	37.9	70.5



#47
 Tetrachloroethene
 Concen: 4.871 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Tgt Ion:	164	Resp:	29761
Ion	Ratio	Lower	Upper
164	100		
129	94.7	66.1	122.7
131	93.4	65.6	121.8
166	123.2	93.2	173.2

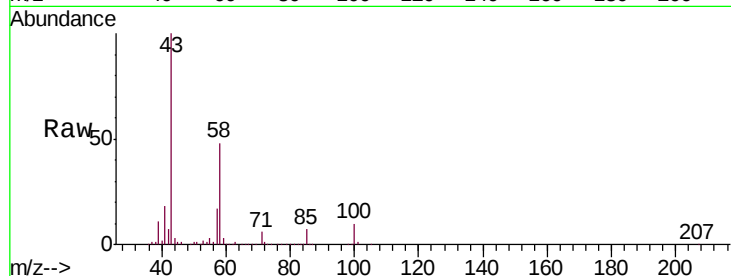




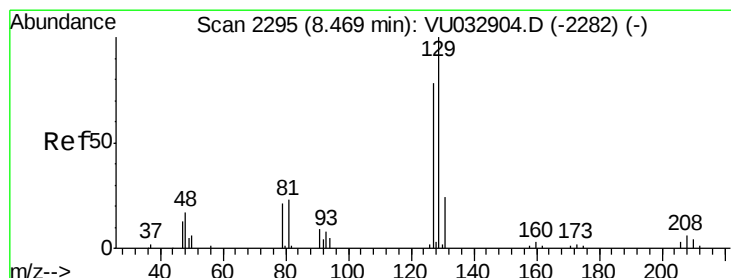
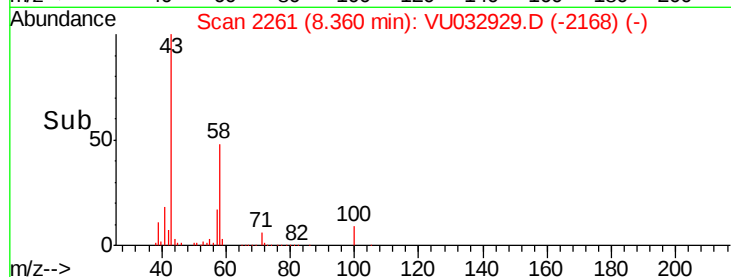
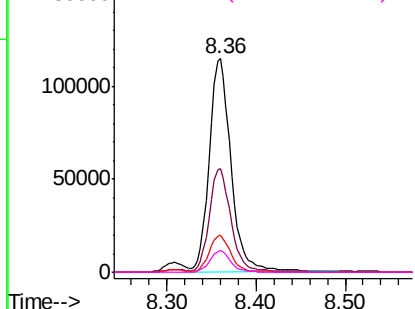
#48
2-Hexanone
Concen: 54.850 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 43 Resp: 194805
Ion Ratio Lower Upper
43 100
58 47.1 41.9 62.9
57 17.0 15.1 22.7
100 9.8 9.0 13.6

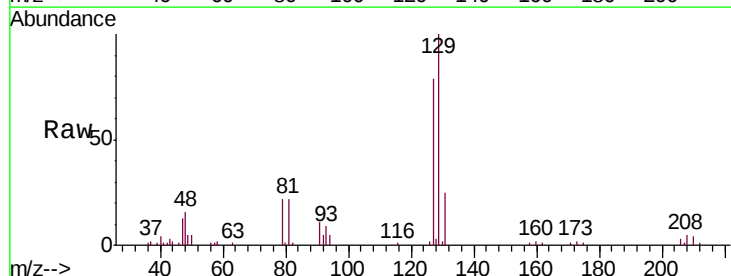


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

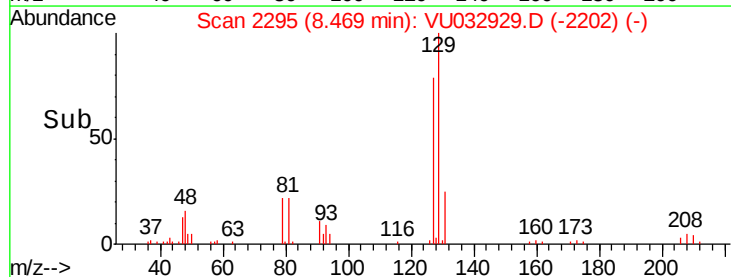
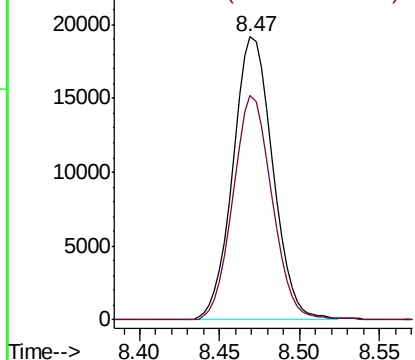


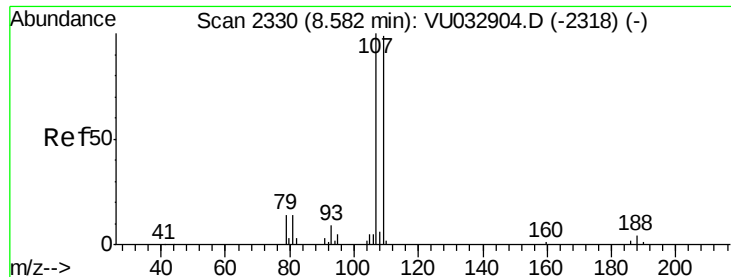
#49
Dibromochloromethane
Concen: 5.014 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

Tgt Ion: 129 Resp: 32589
Ion Ratio Lower Upper
129 100
127 79.3 53.3 98.9



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

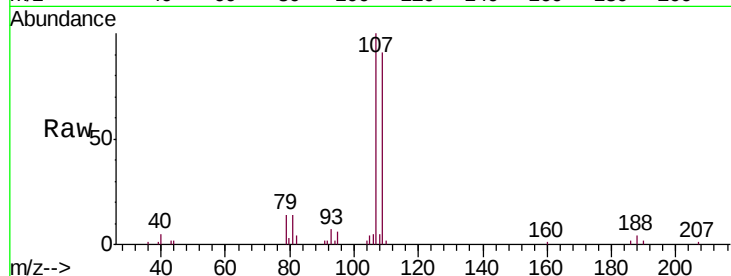




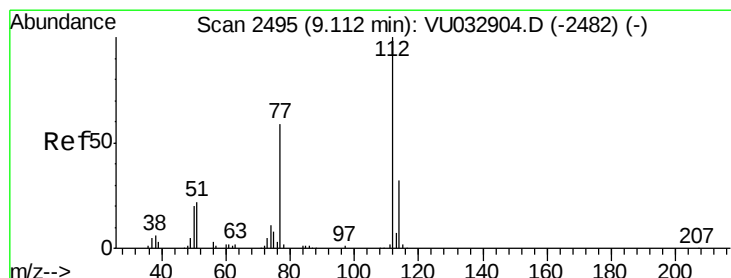
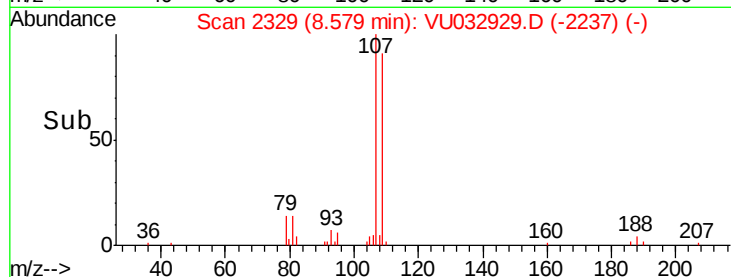
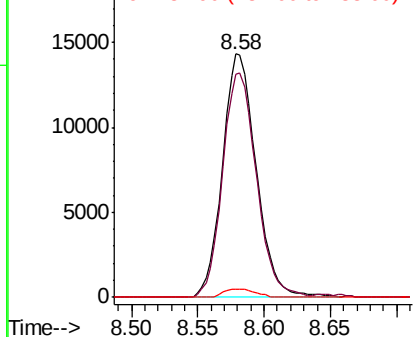
#50
1,2-Dibromoethane
Concen: 5.005 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion:107 Resp: 25342
Ion Ratio Lower Upper
107 100
109 91.5 65.2 121.0
188 3.6 3.1 4.7

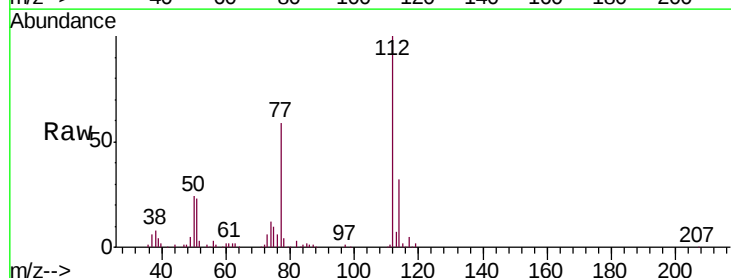


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

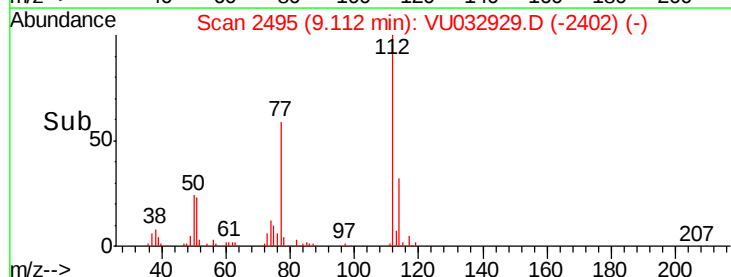
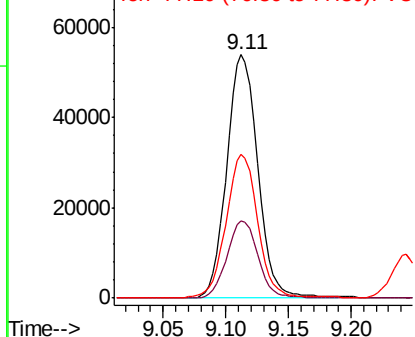


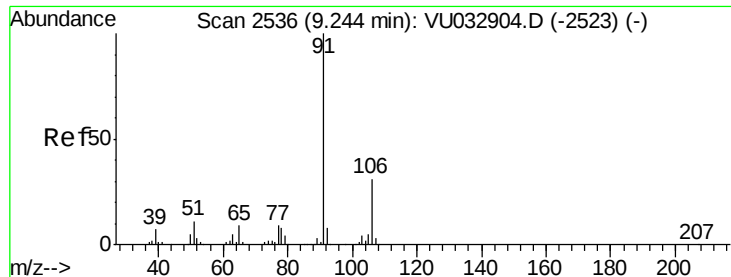
#51
Chlorobenzene
Concen: 4.929 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

Tgt Ion:112 Resp: 92970
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 59.2 46.5 69.7



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): VU





#52

Ethylbenzene

Concen: 4.794 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

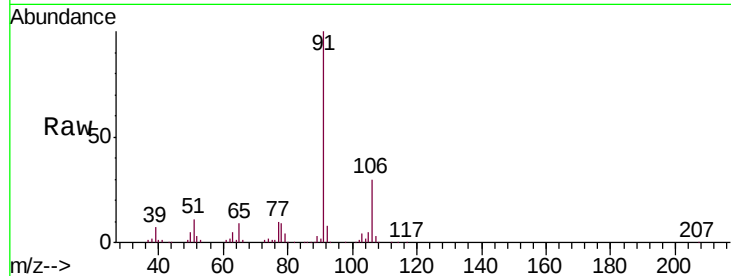
VSTD00504

Tgt Ion: 91 Resp: 158932

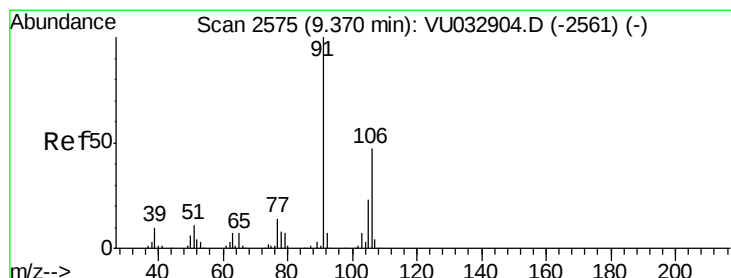
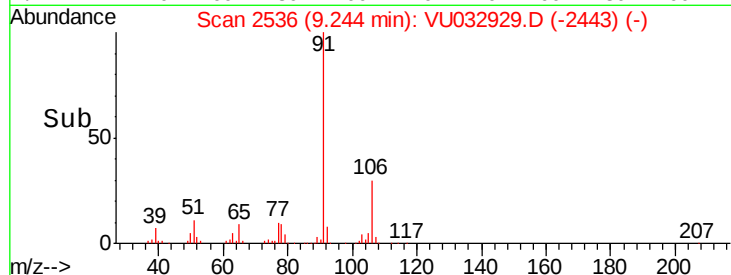
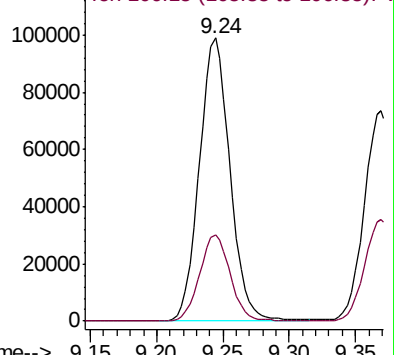
Ion Ratio Lower Upper

91 100

106 30.3 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032929.D (-2443) (-)



#53

m,p-Xylene

Concen: 4.701 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032929.D

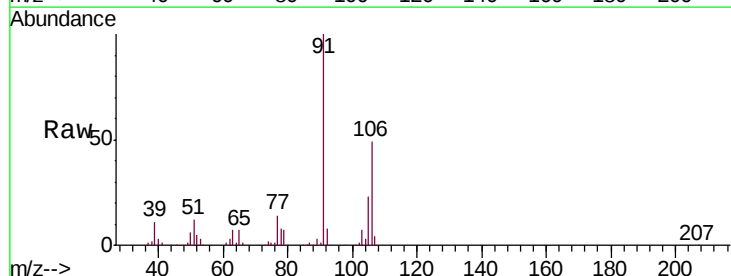
Acq: 21 Jun 2019 08:49

Tgt Ion: 106 Resp: 59085

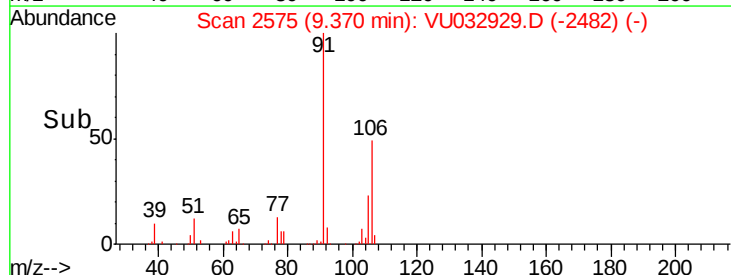
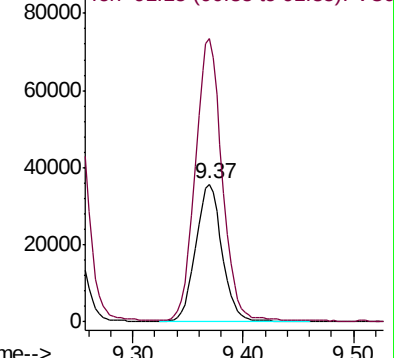
Ion Ratio Lower Upper

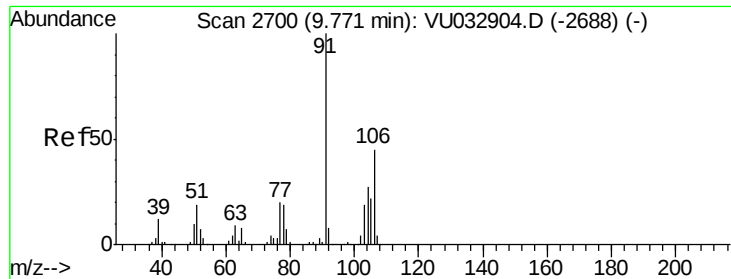
106 100

91 205.4 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032929.D (-2482) (-)

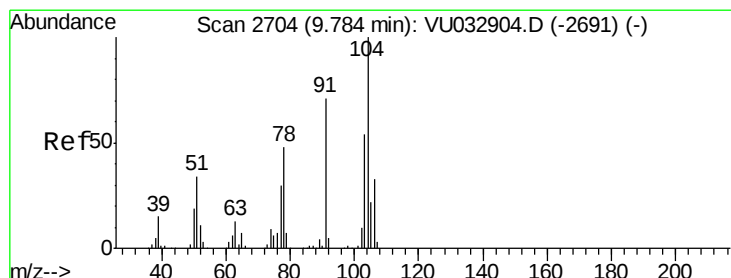
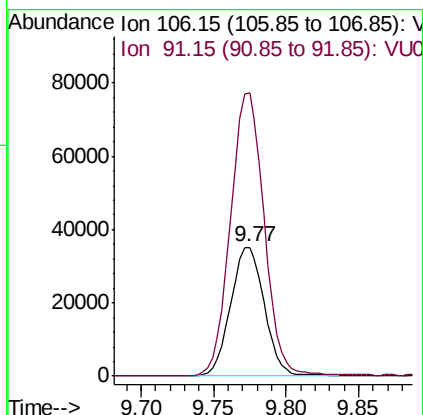
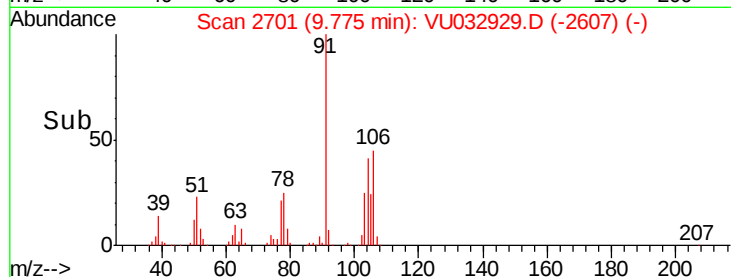
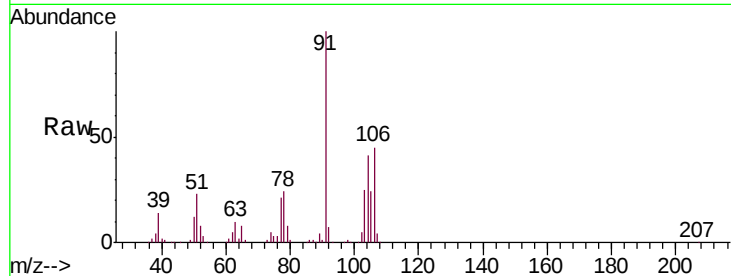




#54
o-Xylene
Concen: 4.549 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

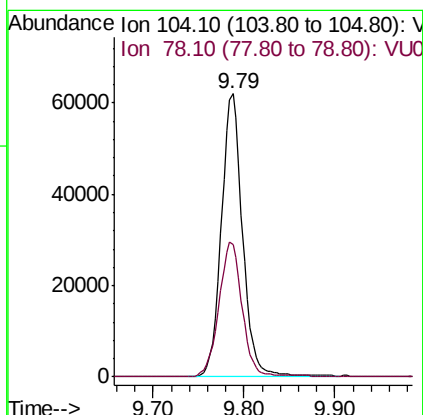
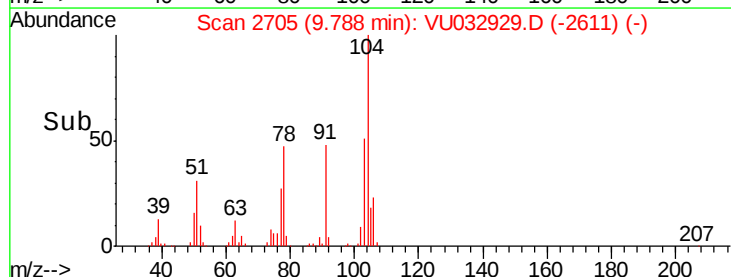
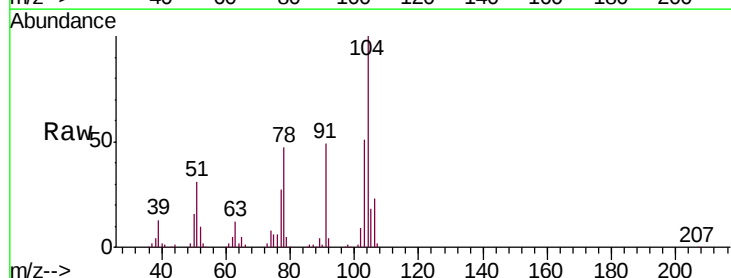
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

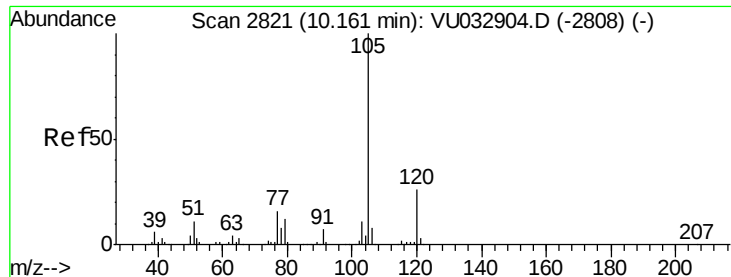
Tgt Ion:106 Resp: 57062
Ion Ratio Lower Upper
106 100
91 220.0 148.8 276.4



#55
Styrene
Concen: 4.888 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032929.D
Acq: 21 Jun 2019 08:49

Tgt Ion:104 Resp: 100869
Ion Ratio Lower Upper
104 100
78 46.9 32.2 59.8





#56

Isopropylbenzene

Concen: 4.699 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

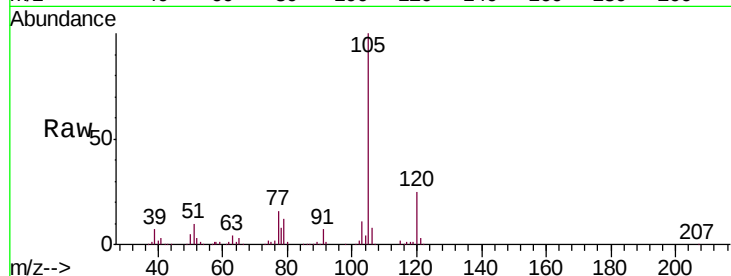
Tgt Ion: 105 Resp: 155470

Ion Ratio Lower Upper

105 100

120 26.2 21.6 32.4

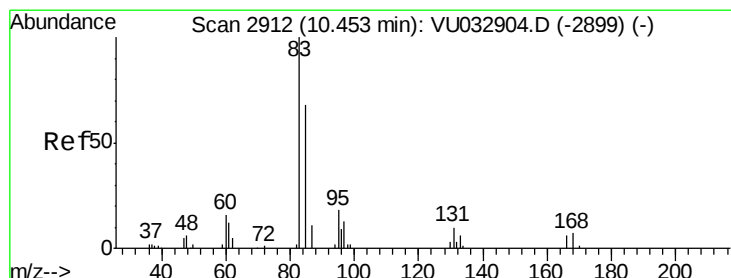
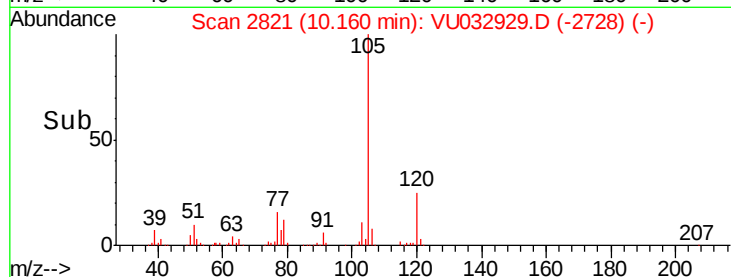
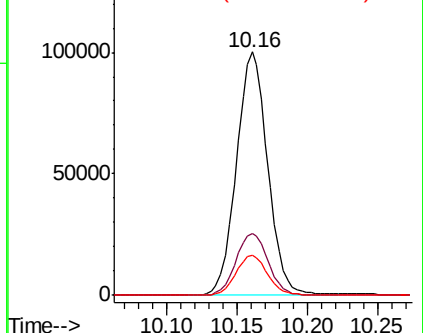
77 16.8 12.3 18.5



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: 5.347 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

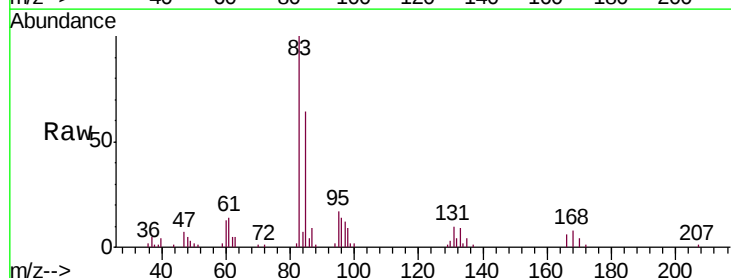
Tgt Ion: 83 Resp: 34744

Ion Ratio Lower Upper

83 100

85 64.3 45.7 84.9

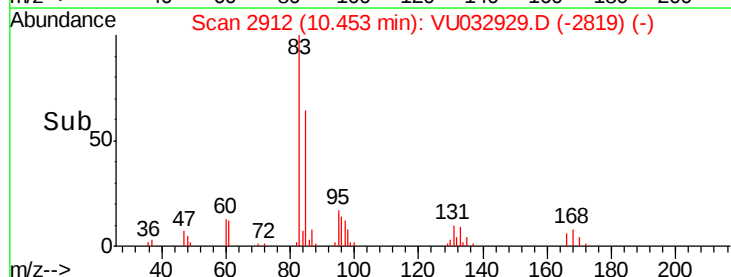
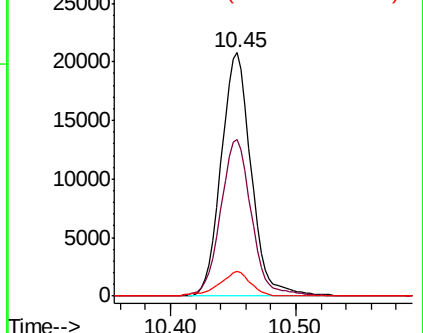
131 10.4 8.0 12.0

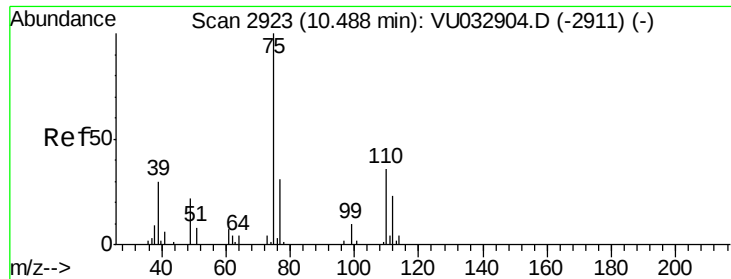


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.465 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

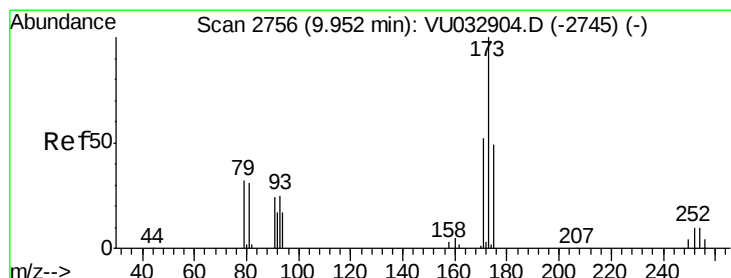
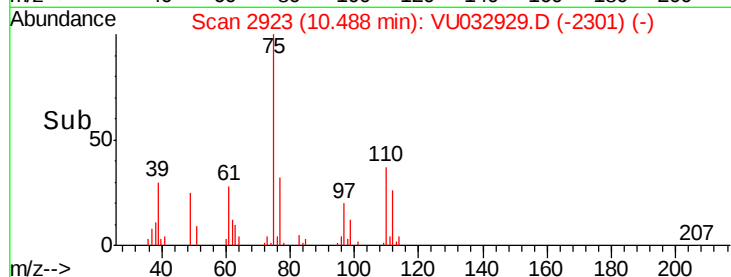
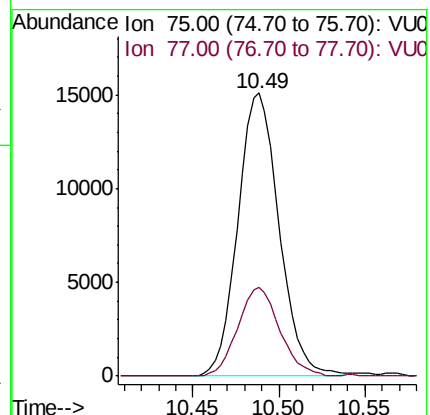
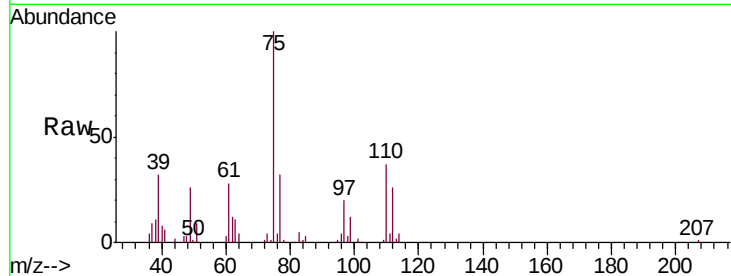
VSTD00504

Tgt Ion: 75 Resp: 25061

Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9



#61

Bromoform

Concen: 4.835 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

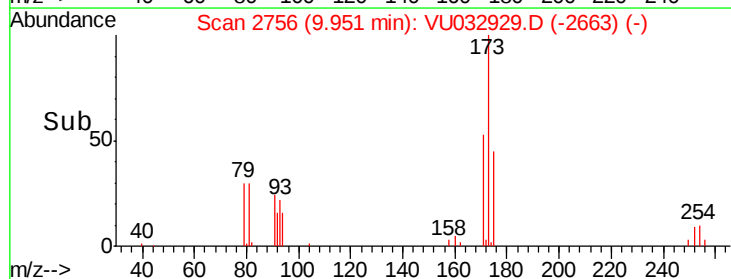
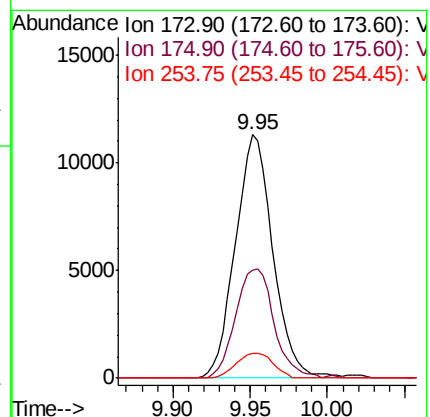
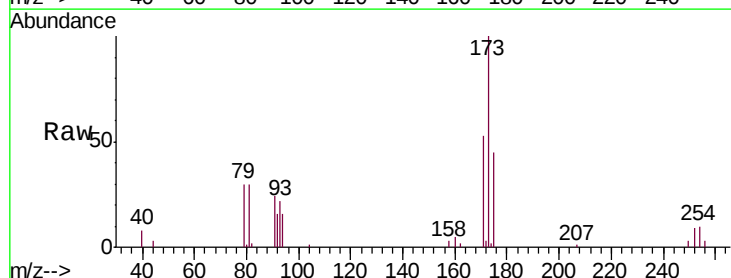
Tgt Ion: 173 Resp: 19071

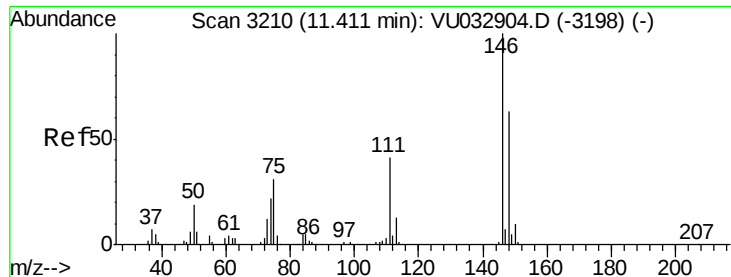
Ion Ratio Lower Upper

173 100

175 45.9 37.9 56.9

254 10.0 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.774 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

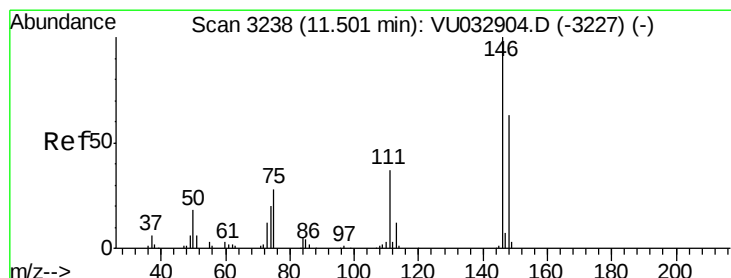
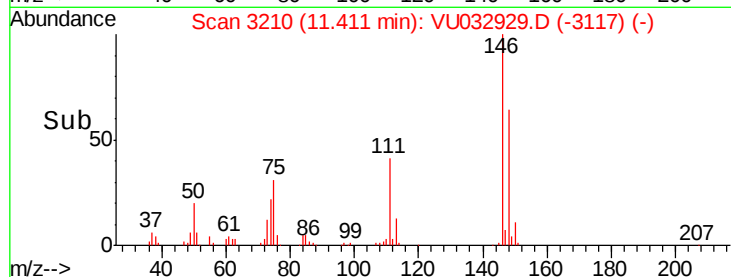
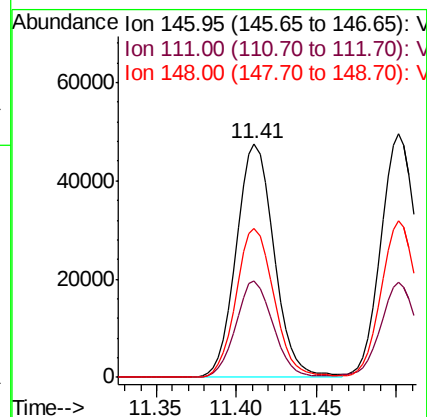
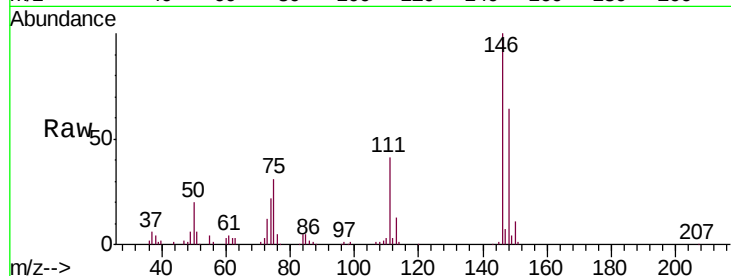
Tgt Ion:146 Resp: 76512

Ion Ratio Lower Upper

146 100

111 41.3 27.7 51.5

148 63.6 44.7 83.1



#63

1,4-Dichlorobenzene

Concen: 4.951 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

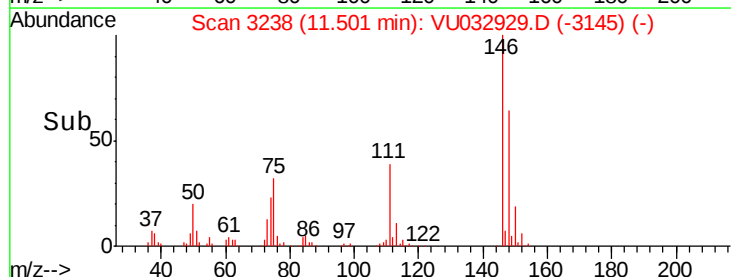
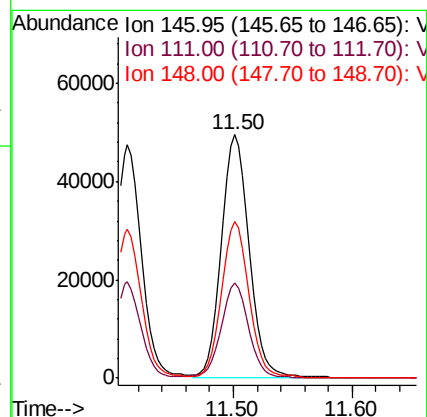
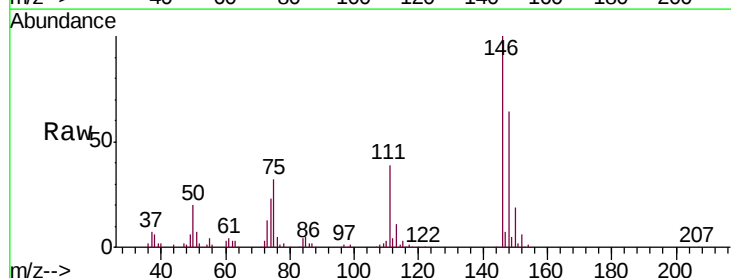
Tgt Ion:146 Resp: 80659

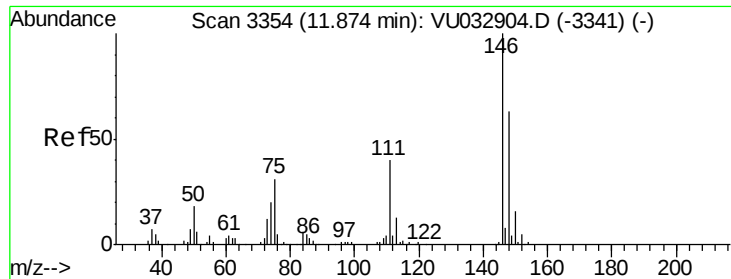
Ion Ratio Lower Upper

146 100

111 38.9 26.2 48.6

148 64.3 43.9 81.5

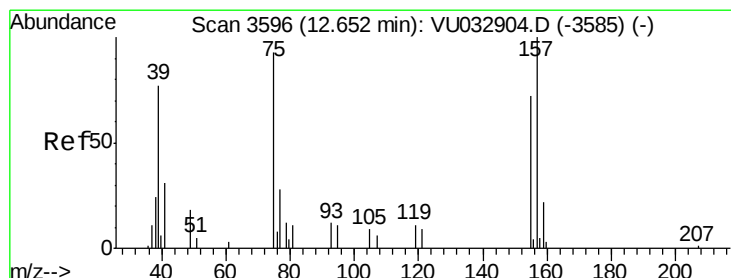
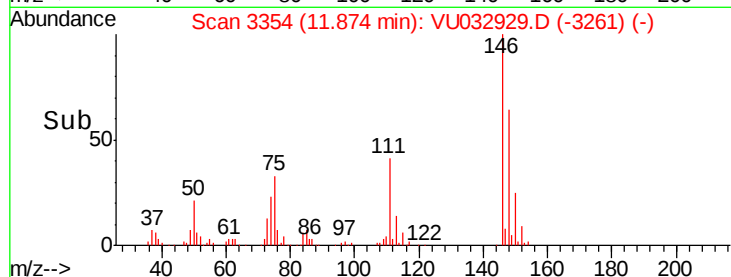
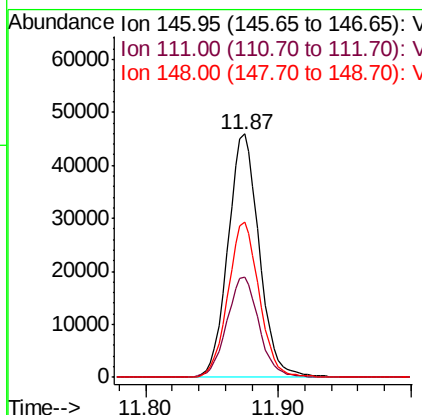
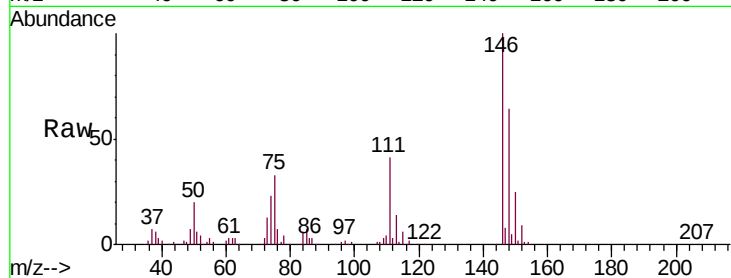




#65
 1,2-Dichlorobenzene
 Concen: 4.857 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

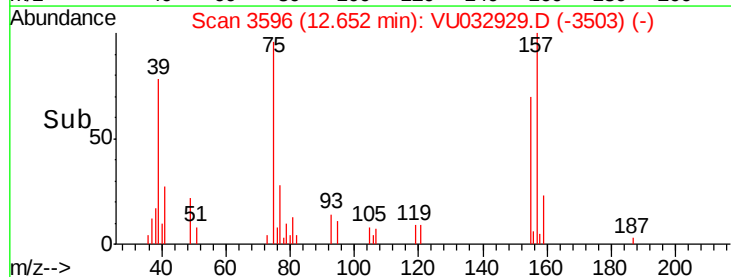
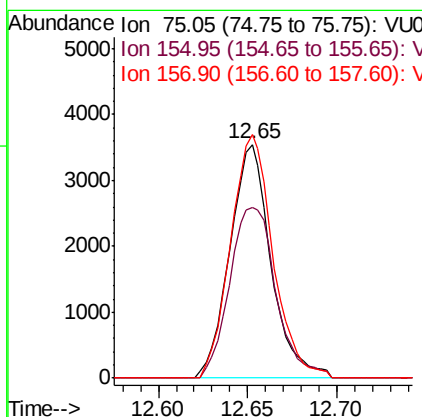
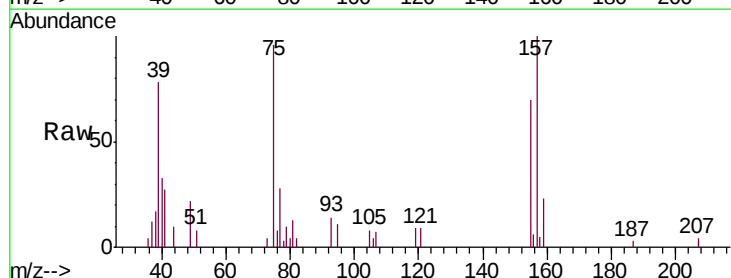
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

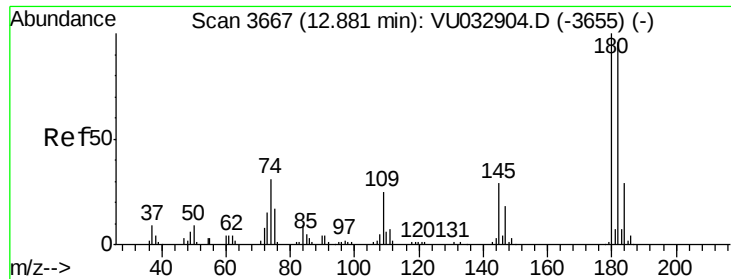
Tgt Ion: 146 Resp: 75212
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.0 49.4
 148 64.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.246 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Tgt Ion: 75 Resp: 5703
 Ion Ratio Lower Upper
 75 100
 155 73.2 72.3 108.5
 157 104.3 87.4 131.0

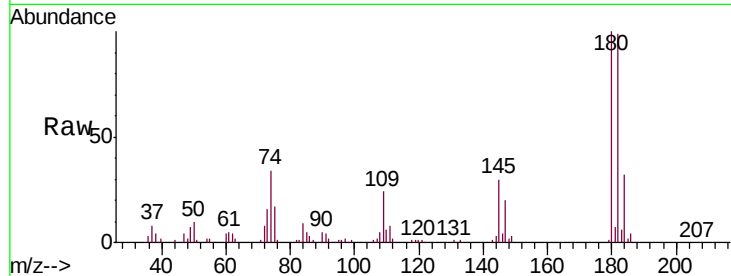




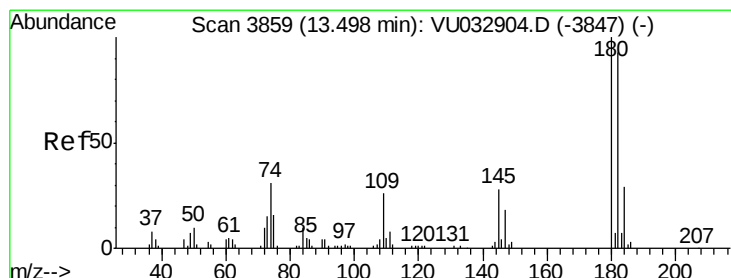
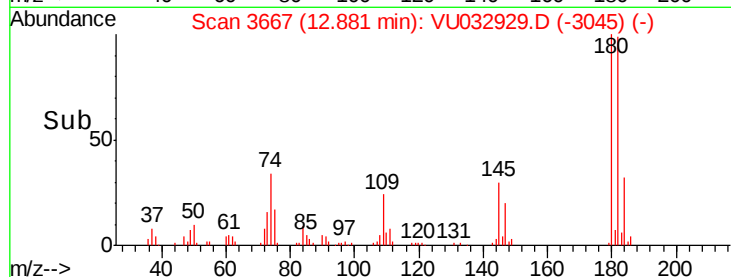
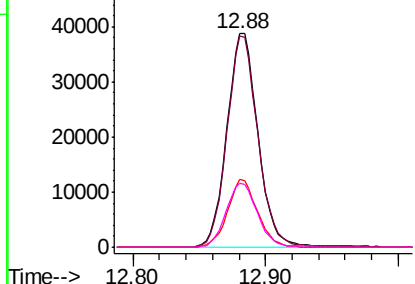
#67
 1,3,5-Trichlorobenzene
 Concen: 4.924 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion:180 Resp: 63237
 Ion Ratio Lower Upper
 180 100
 182 98.2 76.6 115.0
 184 30.4 24.2 36.4
 145 29.8 23.5 35.3

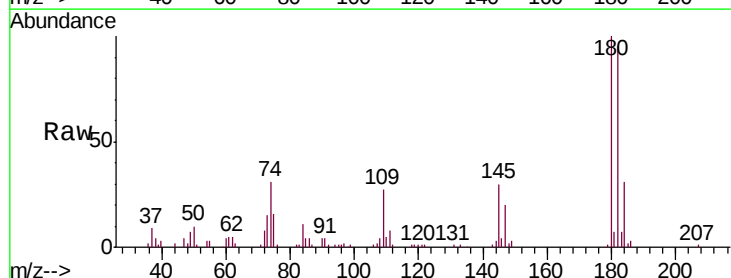


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

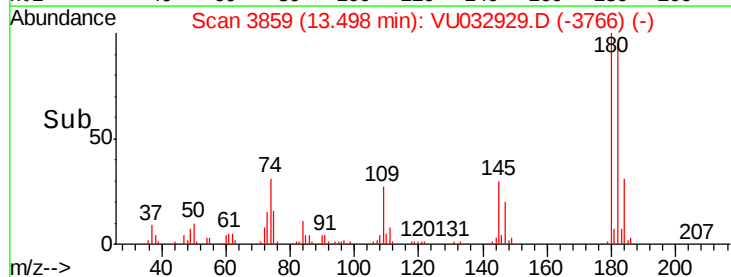
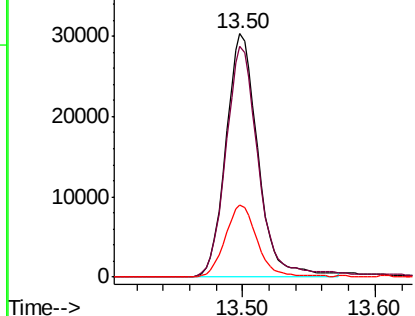


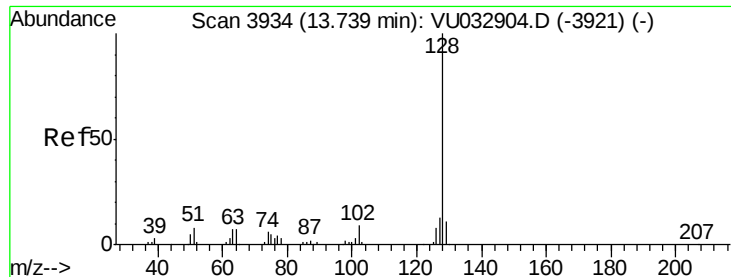
#68
 1,2,4-trichlorobenzene
 Concen: 4.931 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032929.D
 Acq: 21 Jun 2019 08:49

Tgt Ion:180 Resp: 51065
 Ion Ratio Lower Upper
 180 100
 182 97.3 74.8 112.2
 145 29.7 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: 4.364 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

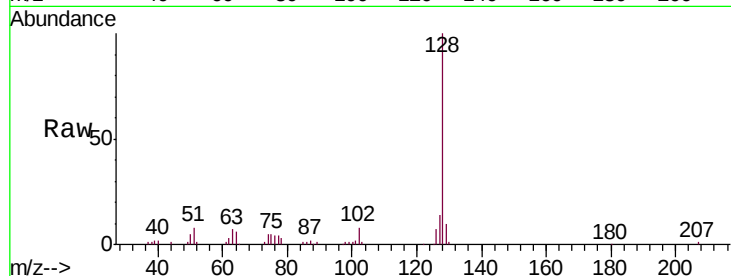
Tgt Ion:128 Resp: 79224

Ion Ratio Lower Upper

128 100

129 10.3 8.1 12.1

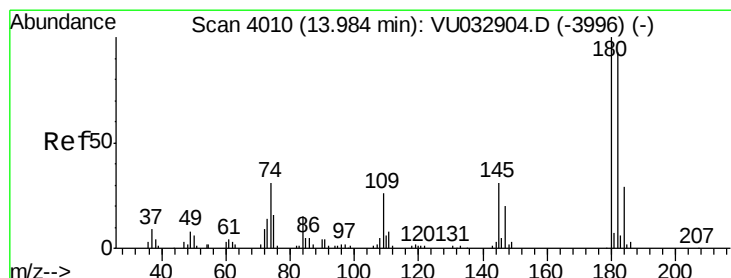
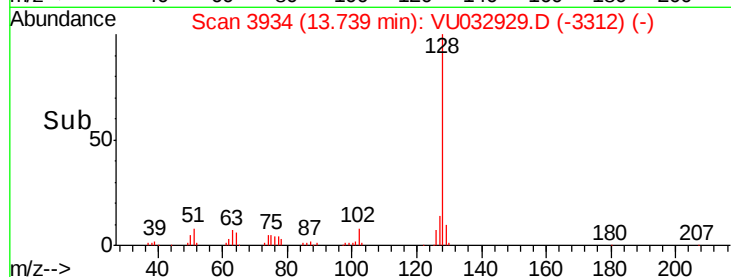
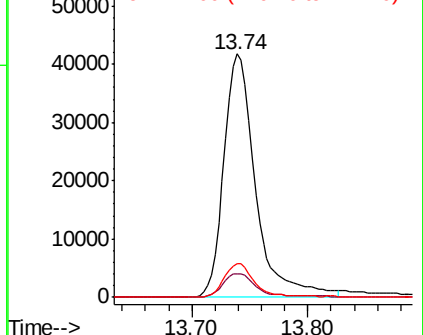
127 13.4 10.4 15.6



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: 4.703 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032929.D

Acq: 21 Jun 2019 08:49

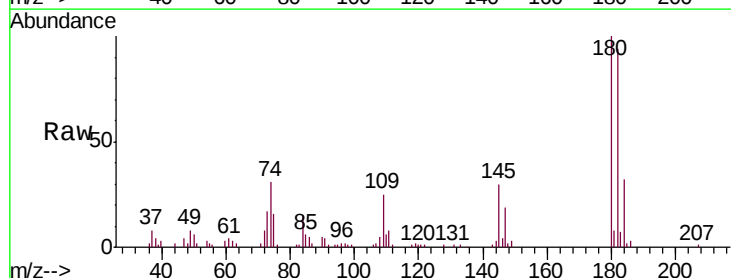
Tgt Ion:180 Resp: 48503

Ion Ratio Lower Upper

180 100

182 97.0 73.8 110.6

145 30.5 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

