

Data File : VU032745.D
Acq On : 15 Jun 2019 01:03
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Quant Time: Jun 15 03:30:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 23:49:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	109461	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	102998	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	55045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28335	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.67	69	24570	4.04	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.27	63	63441	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	4.18	46	97106	48.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.78%
24) Chloroform-d	4.64	84	63750	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.30	65	34481	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.33	84	116542	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.32	67	38939	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.56	98	109778	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.84	79	15712	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.31	63	79088	46.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34588	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	45354	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	48158	5.128	ug/L 98
3) Chloromethane	1.33	50	45768	4.699	ug/L 98
5) Vinyl chloride	1.40	62	45641	4.767	ug/L 97
6) Bromomethane	1.61	94	26127	4.474	ug/L 100
8) Chloroethane	1.69	64	26341	4.306	ug/L 99
9) Trichlorofluoromethane	1.88	101	65500	4.780	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	34211	4.696	ug/L 99
12) 1,1-Dichloroethene	2.28	96	30956	4.451	ug/L 93
13) Acetone	2.32	43	73637	47.768	ug/L 95
14) Carbon disulfide	2.47	76	97615	4.383	ug/L 100
15) Methyl Acetate	2.61	43	18772	4.438	ug/L 97
16) Methylene chloride	2.69	84	36143	4.686	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	91937	4.520	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	34152	4.551	ug/L 93
19) 1,1-Dichloroethane	3.43	63	68499	5.100	ug/L 98
21) 2-Butanone	4.27	43	113827	50.769	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	39230	4.620	ug/L 90

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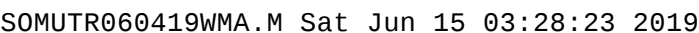
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

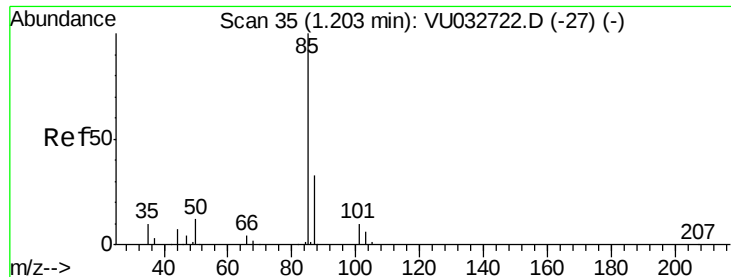
Quant Time: Jun 15 03:30:39 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 23:49:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	18043	4.936	ug/L	96
25) Chloroform	4.66	83	70086	5.108	ug/L	97
27) 1,2-Dichloroethane	5.40	62	47434	5.260	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	61989	4.939	ug/L	98
30) Cyclohexane	4.98	56	59308	4.471	ug/L	97
31) Carbon tetrachloride	5.12	117	55854	4.895	ug/L	99
33) Benzene	5.38	78	146966	4.840	ug/L	100
34) Trichloroethene	6.18	95	39240	4.492	ug/L	99
35) Methylcyclohexane	6.41	83	60689	4.320	ug/L	98
37) 1,2-Dichloropropane	6.43	63	39653	5.047	ug/L	98
38) Bromodichloromethane	6.75	83	50339	4.985	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	56985	4.724	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	279927	50.064	ug/L	98
42) Toluene	7.63	91	158398	4.680	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	45355	4.709	ug/L	95
45) 1,1,2-Trichloroethane	8.06	97	28175	4.929	ug/L	95
47) Tetrachloroethene	8.22	164	33148	4.822	ug/L	94
48) 2-Hexanone	8.36	43	196116	49.082	ug/L	99
49) Dibromochloromethane	8.47	129	34975	4.783	ug/L	97
50) 1,2-Dibromoethane	8.58	107	27716	4.865	ug/L	97
51) Chlorobenzene	9.11	112	102434	4.827	ug/L	99
52) Ethylbenzene	9.24	91	174227	4.671	ug/L	99
53) m,p-Xylene	9.37	106	64739	4.578	ug/L	99
54) o-Xylene	9.77	106	64564	4.575	ug/L	100
55) Styrene	9.79	104	110478	4.758	ug/L	98
56) Isopropylbenzene	10.16	105	169594	4.556	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	37422	5.119	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	26883	5.210	ug/L	98
61) Bromoform	9.95	173	20369	4.606	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	83187	4.629	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	83076	4.548	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	82346	4.743	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	6415	5.262	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	67234	4.669	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	56026	4.825	ug/L	99
69) Naphthalene	13.74	128	101095	4.966	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	54205	4.688	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 5.128 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

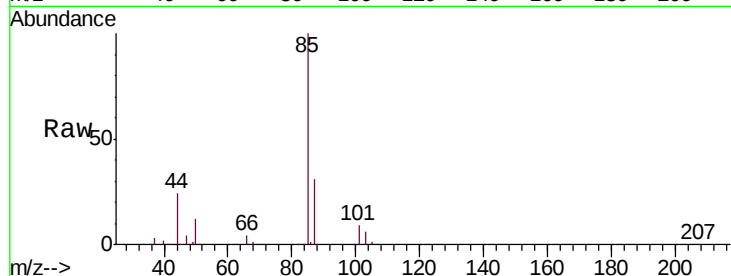
VSTD00526

Tgt Ion: 85 Resp: 48158

Ion Ratio Lower Upper

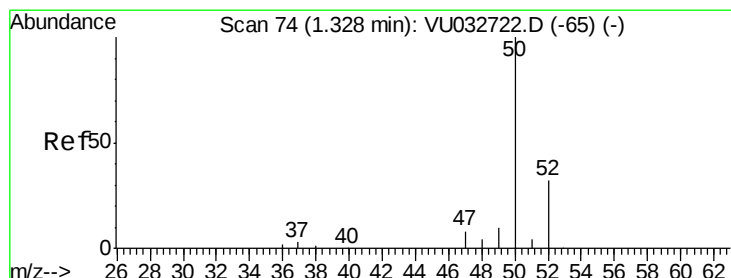
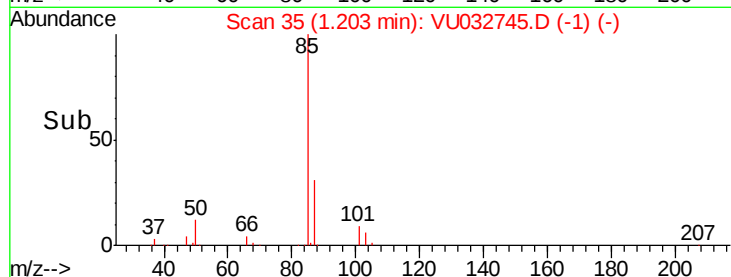
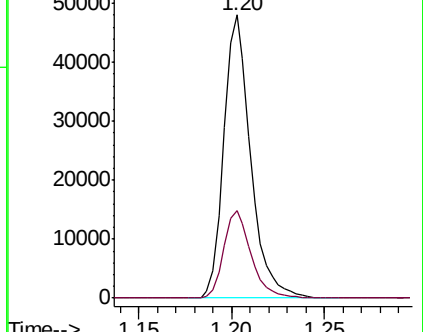
85 100

87 31.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032722.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032722.D (-27) (-)



#3

Chloromethane

Concen: 4.699 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032745.D

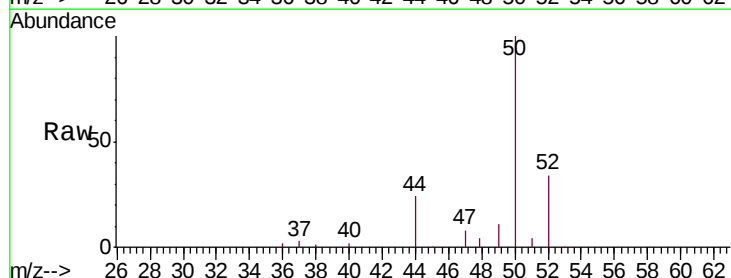
Acq: 15 Jun 2019 01:03

Tgt Ion: 50 Resp: 45768

Ion Ratio Lower Upper

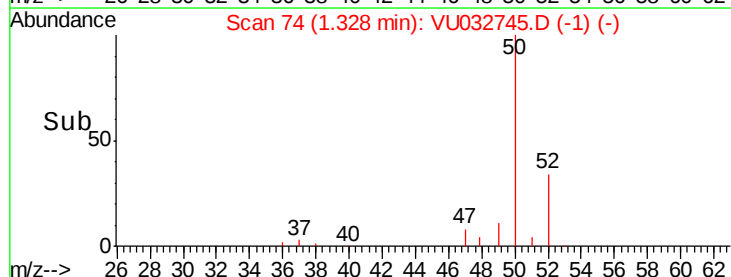
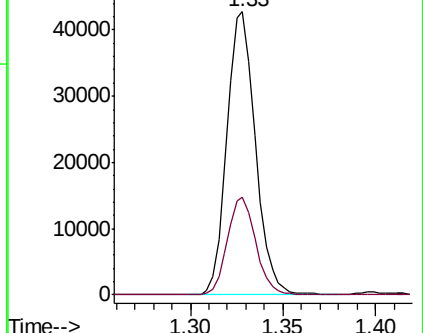
50 100

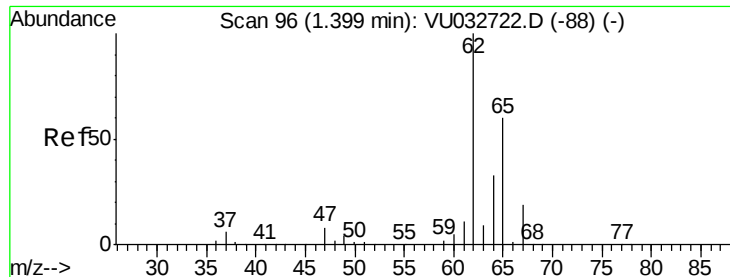
52 34.5 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032722.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032722.D (-65) (-)





#5

Vinyl chloride

Concen: 4.767 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

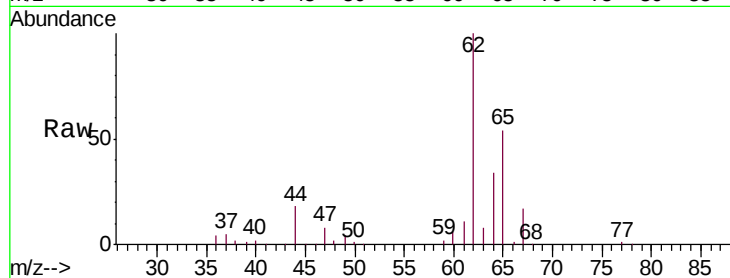
VSTD00526

Tgt Ion: 62 Resp: 45641

Ion Ratio Lower Upper

62 100

64 34.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032722.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032745.D (-3) (-)

1.40

40000

30000

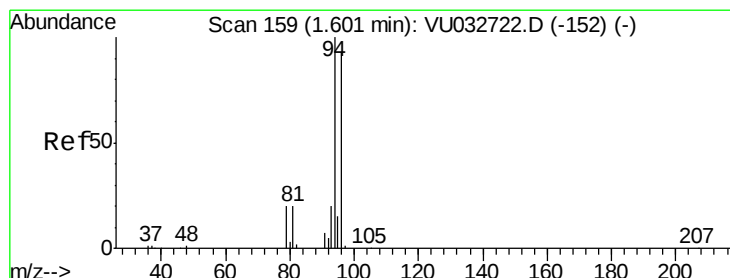
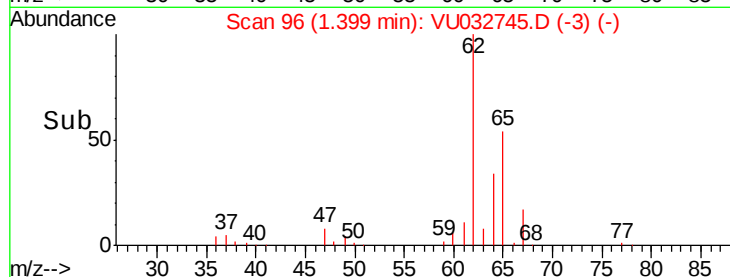
20000

10000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 4.474 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU032745.D

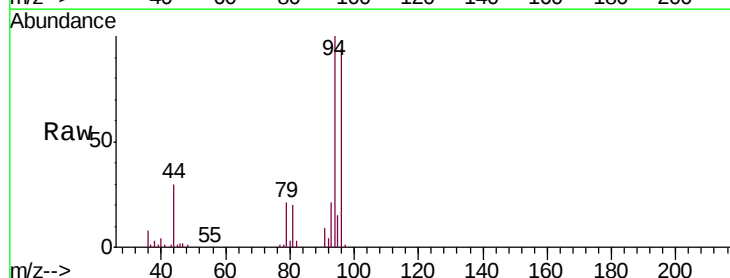
Acq: 15 Jun 2019 01:03

Tgt Ion: 94 Resp: 26127

Ion Ratio Lower Upper

94 100

96 93.6 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032722.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU032745.D (-66) (-)

1.61

25000

20000

15000

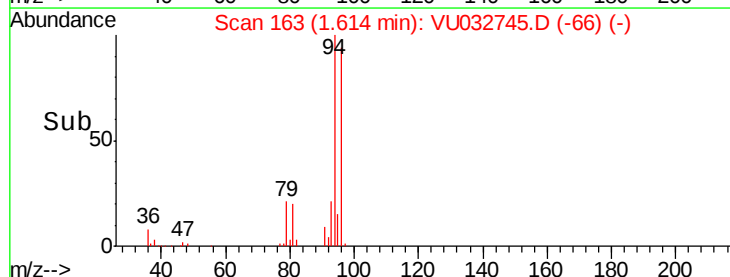
10000

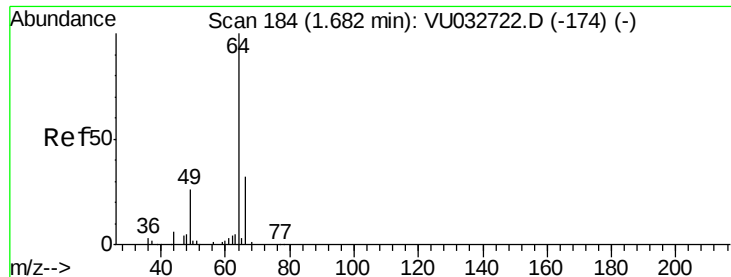
5000

0

Time-->

1.55 1.60 1.65





#8

Chloroethane

Concen: 4.306 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.01 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

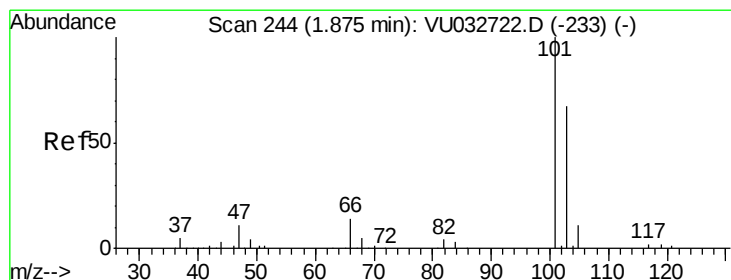
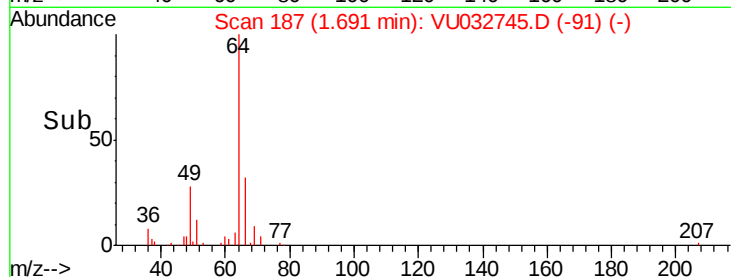
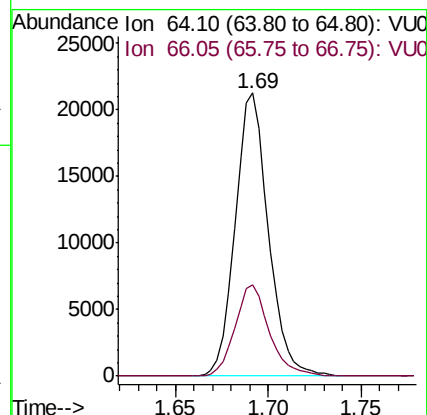
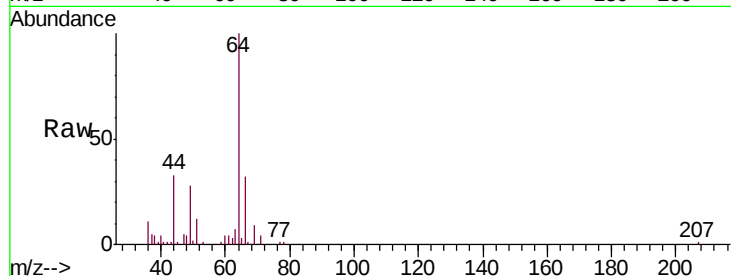
VSTD00526

Tgt Ion: 64 Resp: 26341

Ion Ratio Lower Upper

64 100

66 32.2 22.8 42.4



#9

Trichlorofluoromethane

Concen: 4.780 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.01 min

Lab File: VU032745.D

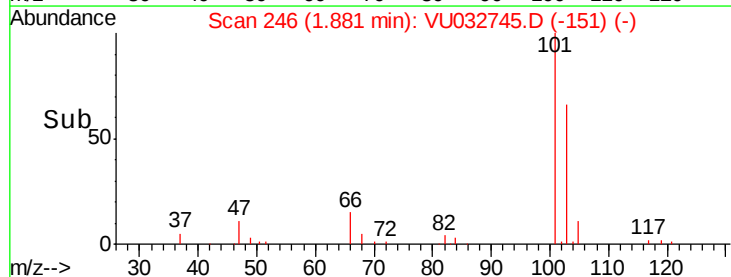
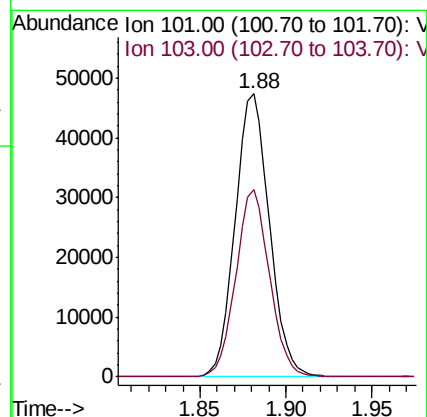
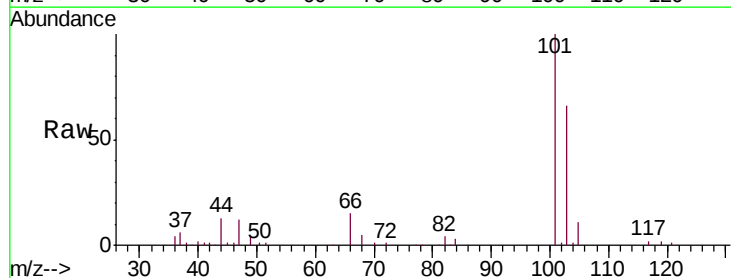
Acq: 15 Jun 2019 01:03

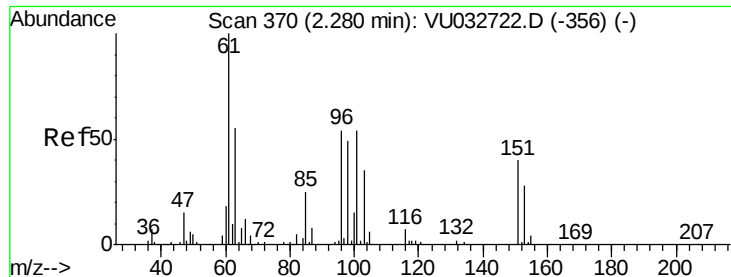
Tgt Ion: 101 Resp: 65500

Ion Ratio Lower Upper

101 100

103 65.3 52.2 78.2





#10

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

Concen: 4.696 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

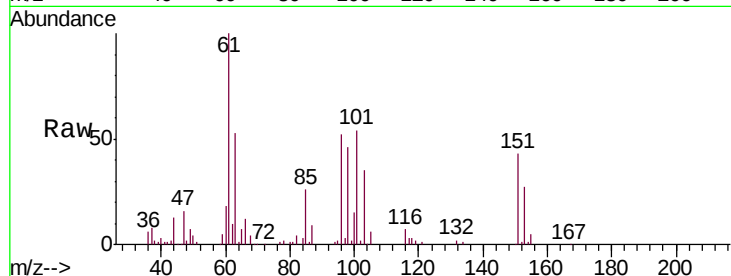
Tgt Ion: 101 Resp: 34211

Ion Ratio Lower Upper

101 100

85 47.1 38.9 58.3

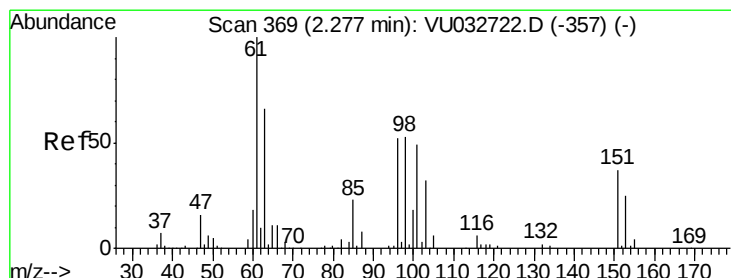
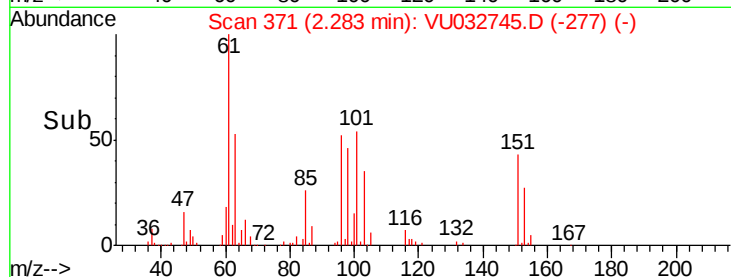
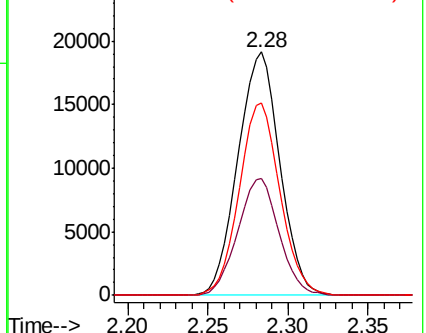
151 76.7 61.0 91.4



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: 4.451 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

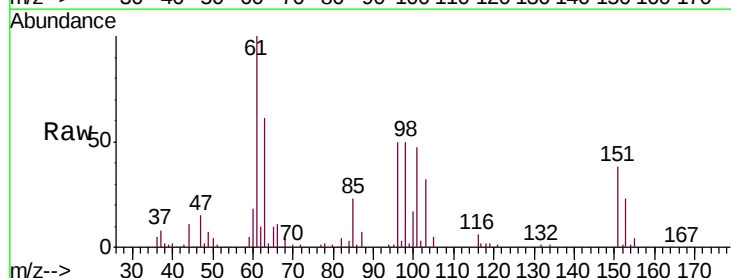
Tgt Ion: 96 Resp: 30956

Ion Ratio Lower Upper

96 100

61 199.5 131.8 244.8

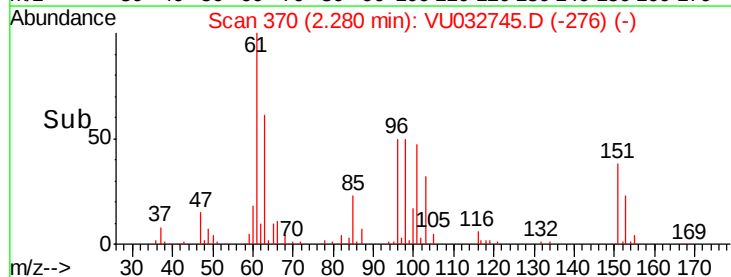
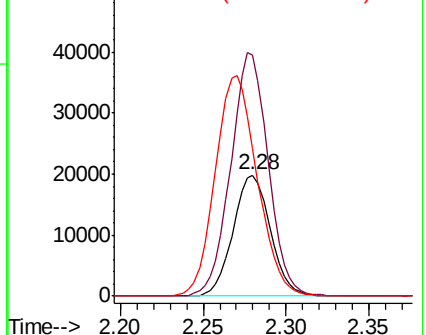
63 122.0 90.1 167.3

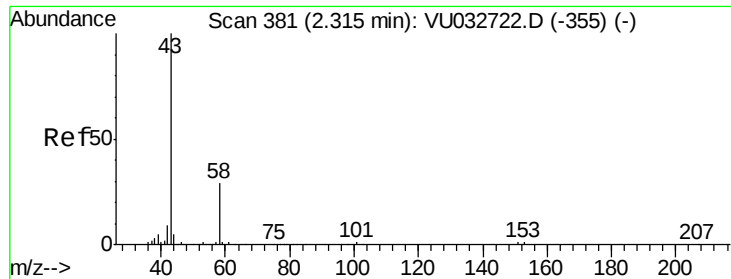


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.768 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

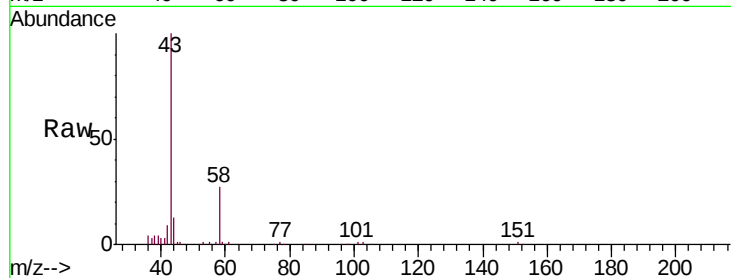
VSTD00526

Tgt Ion: 43 Resp: 73637

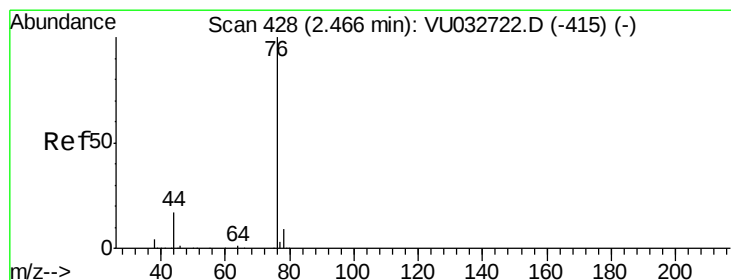
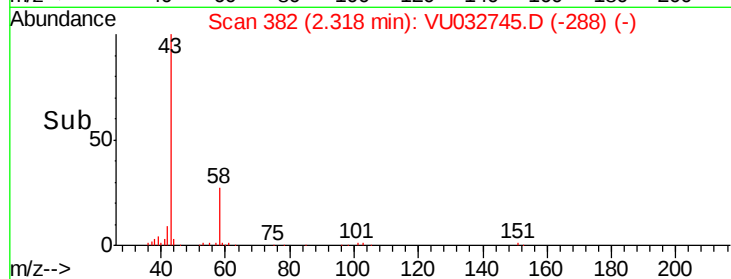
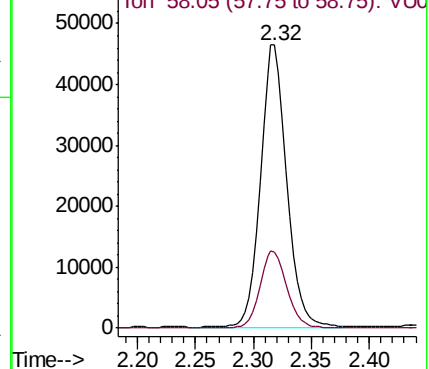
Ion Ratio Lower Upper

43 100

58 27.9 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032722.D (-355) (-)



#14

Carbon disulfide

Concen: 4.383 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032745.D

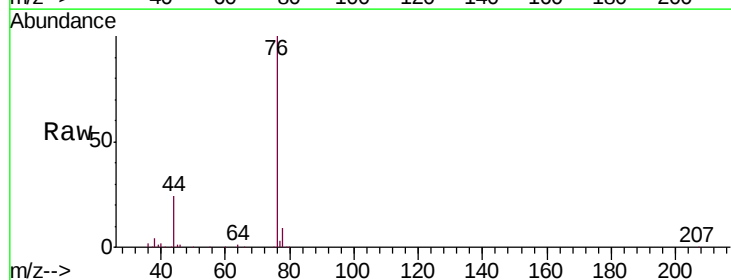
Acq: 15 Jun 2019 01:03

Tgt Ion: 76 Resp: 97615

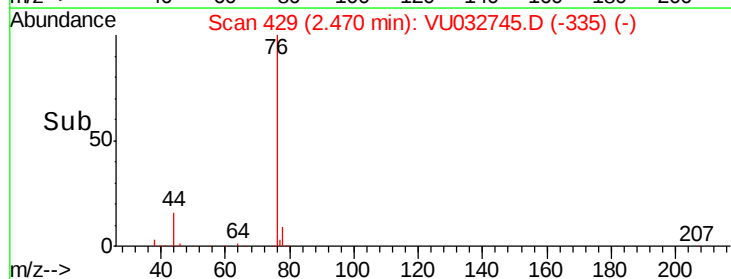
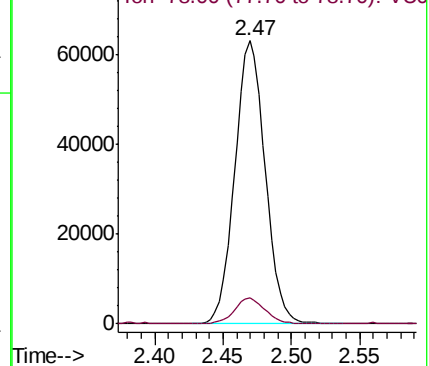
Ion Ratio Lower Upper

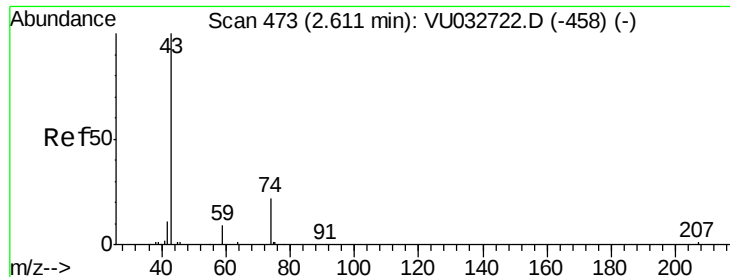
76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU032722.D (-415) (-)

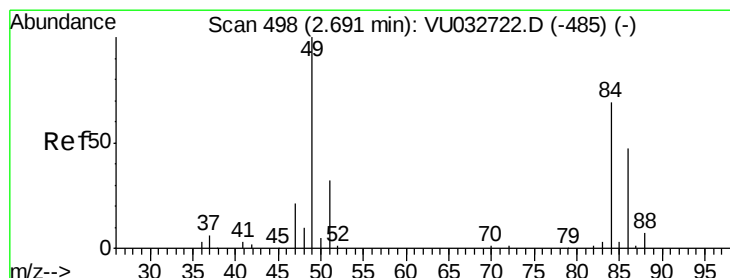
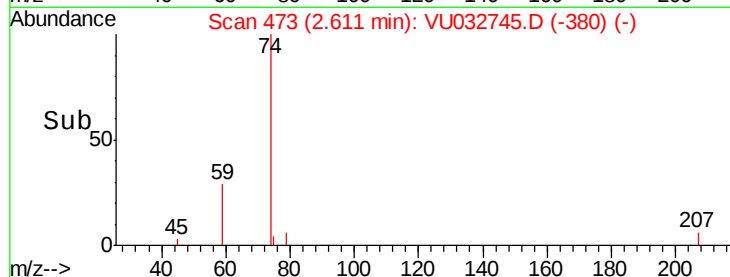
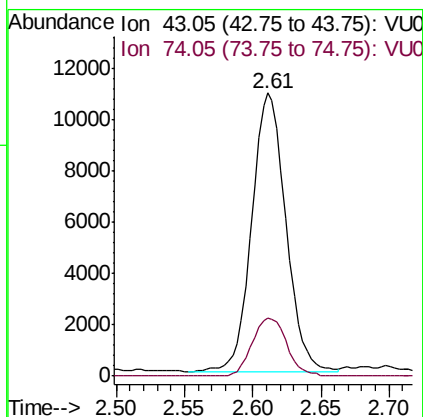
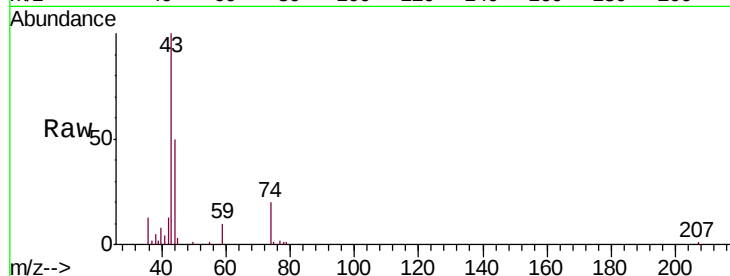




#15
Methyl Acetate
Concen: 4.438 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

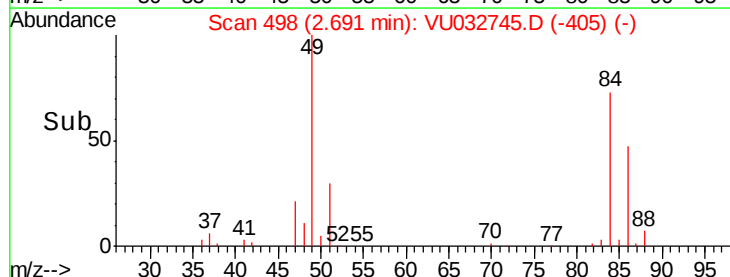
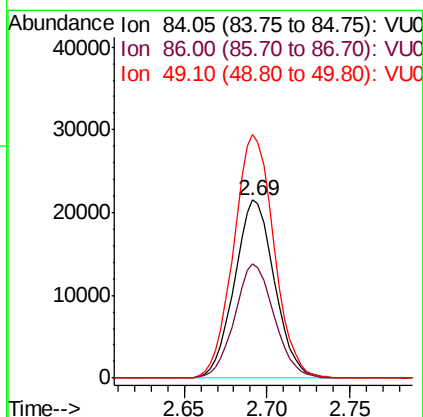
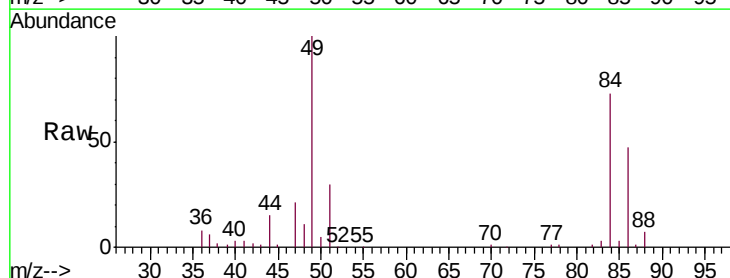
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

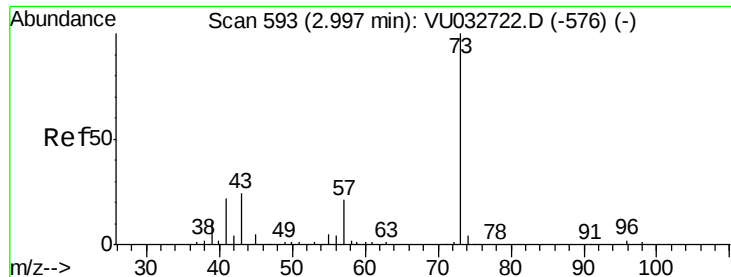
Tgt Ion: 43 Resp: 18772
Ion Ratio Lower Upper
43 100
74 21.0 17.8 26.8



#16
Methylene chloride
Concen: 4.686 ug/L
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

Tgt Ion: 84 Resp: 36143
Ion Ratio Lower Upper
84 100
86 64.3 47.2 87.6
49 136.6 95.9 178.1

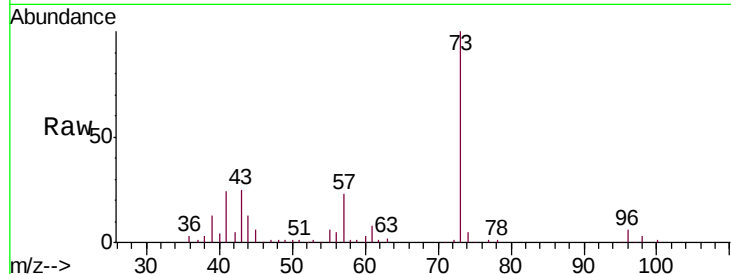




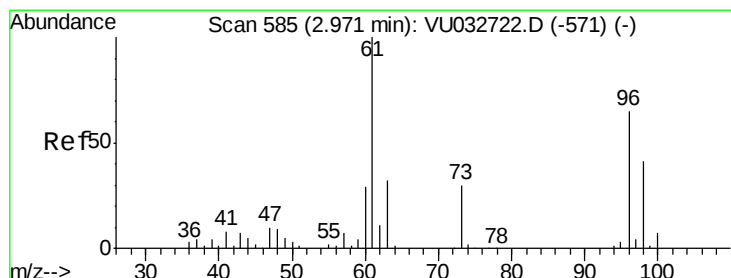
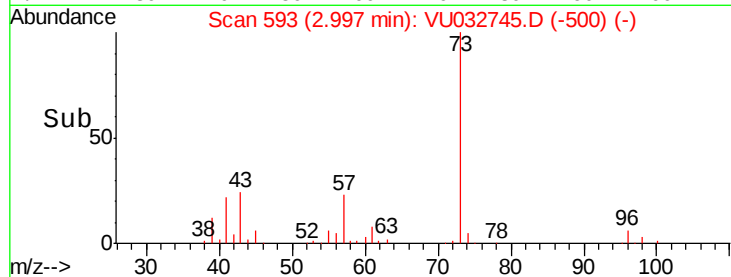
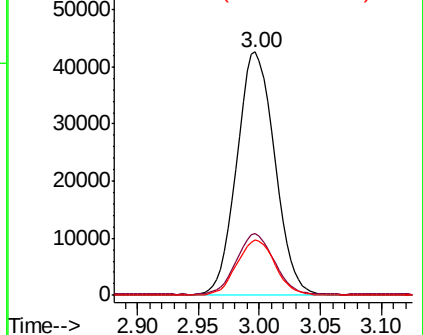
#17
Methyl tert-butyl Ether
Concen: 4.520 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

Instrument :
MSVOA_U
ClientSampled :
VSTD00526

Tgt Ion: 73 Resp: 91937
Ion Ratio Lower Upper
73 100
43 24.6 18.6 27.8
57 23.0 18.3 27.5

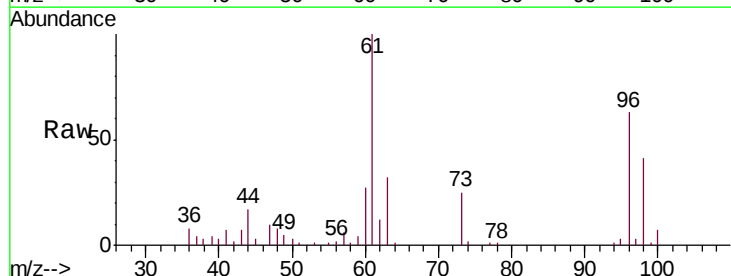


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

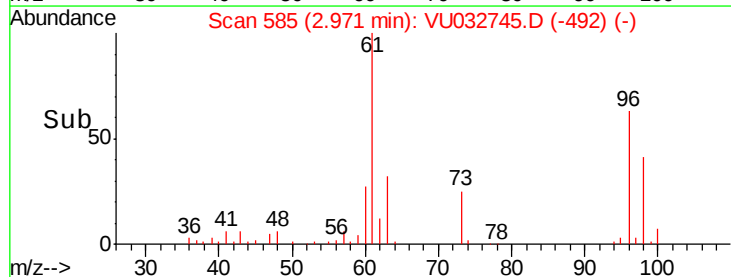
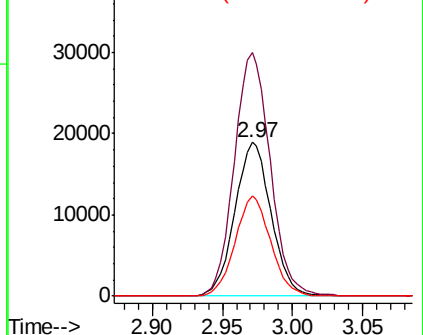


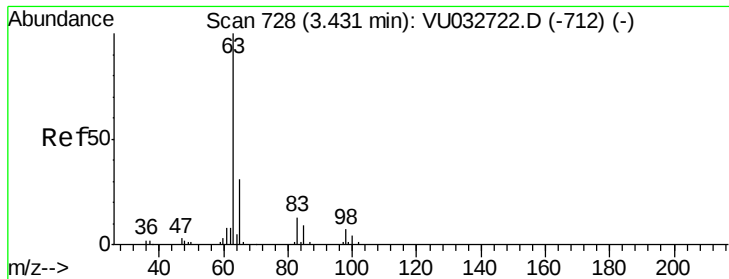
#18
trans-1,2-Dichloroethene
Concen: 4.551 ug/L
RT: 2.97 min Scan# 585
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

Tgt Ion: 96 Resp: 34152
Ion Ratio Lower Upper
96 100
61 158.5 103.1 191.5
98 65.3 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

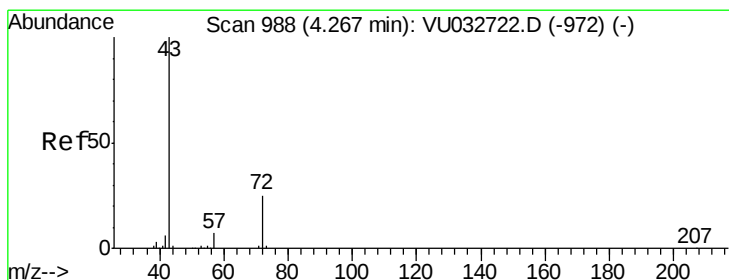
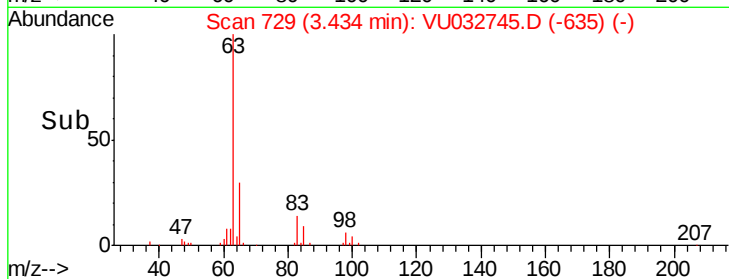
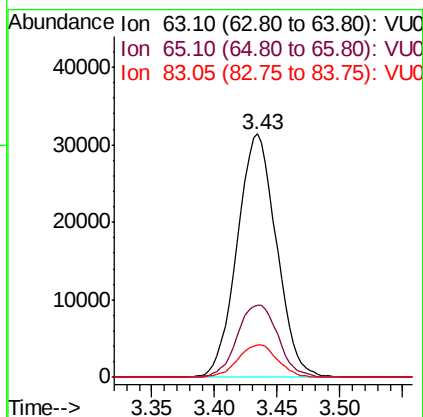
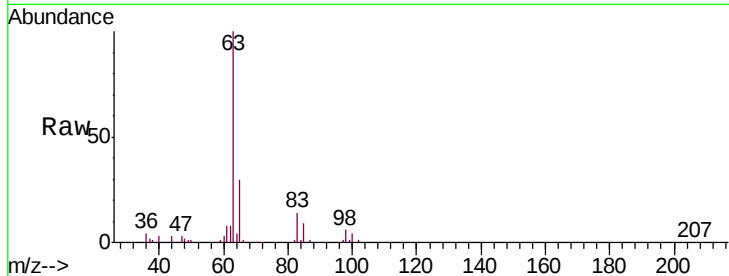




#19
 1,1-Dichloroethane
 Concen: 5.100 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

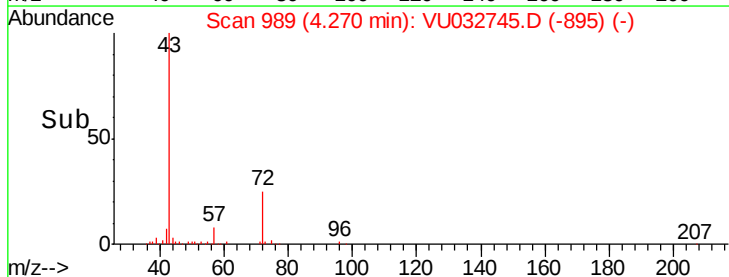
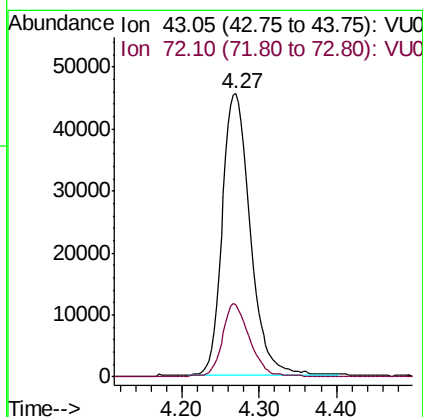
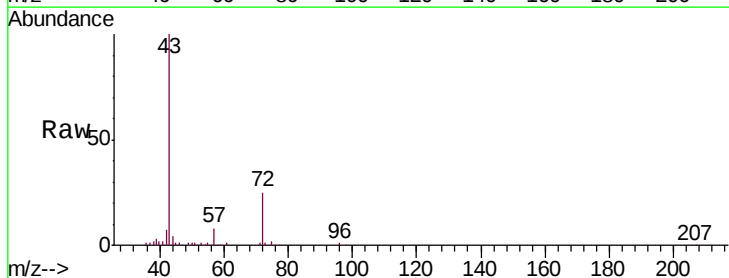
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

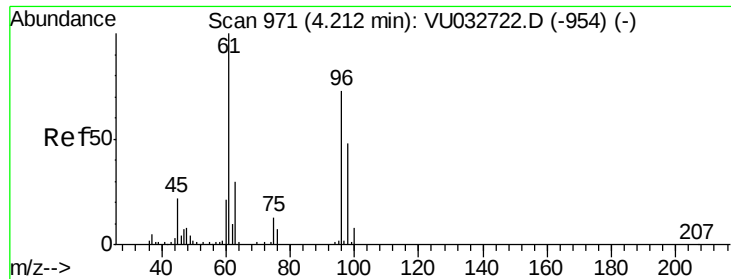
Tgt Ion: 63 Resp: 68499
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.3 39.6
 83 13.5 10.1 18.7



#21
 2-Butanone
 Concen: 50.769 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Tgt Ion: 43 Resp: 113827
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.1 39.3



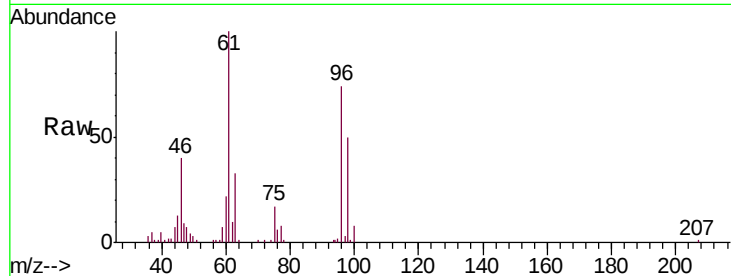


#22

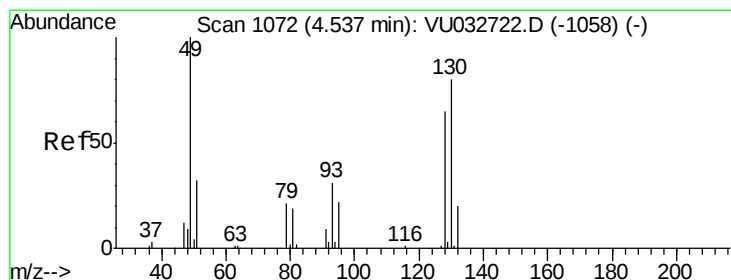
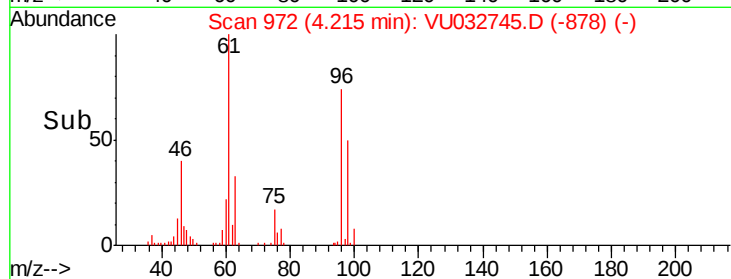
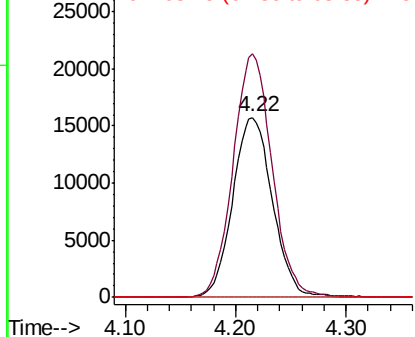
cis-1,2-Dichloroethene
 Concen: 4.620 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00526

Tgt Ion: 96 Resp: 39230
 Ion Ratio Lower Upper
 96 100
 61 135.2 86.6 160.8
 68 0.0 0.0 0.0



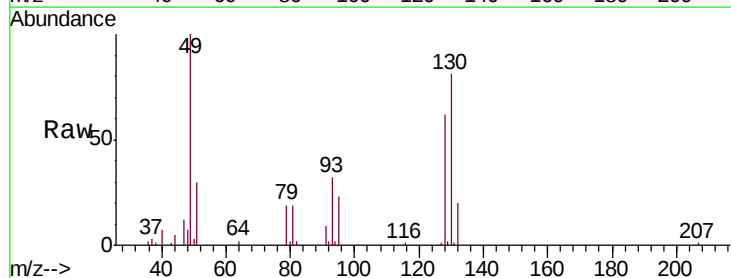
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



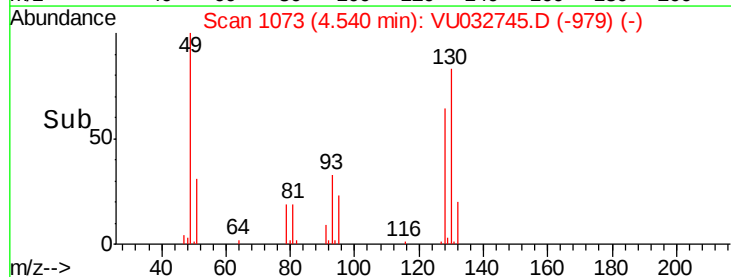
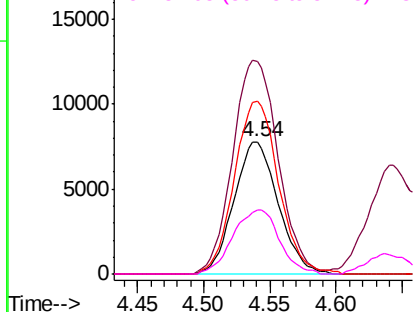
#23

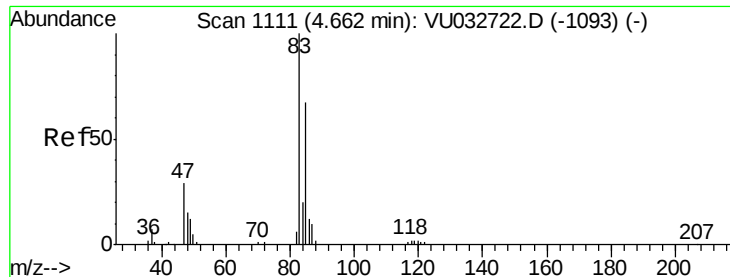
Bromochloromethane
 Concen: 4.936 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Tgt Ion: 128 Resp: 18043
 Ion Ratio Lower Upper
 128 100
 49 161.6 107.8 200.2
 130 131.2 89.3 165.9
 51 48.8 38.2 57.4



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

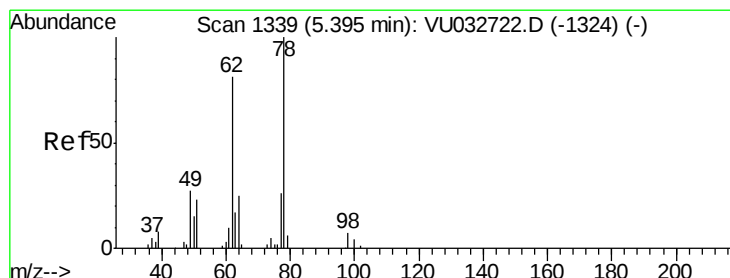
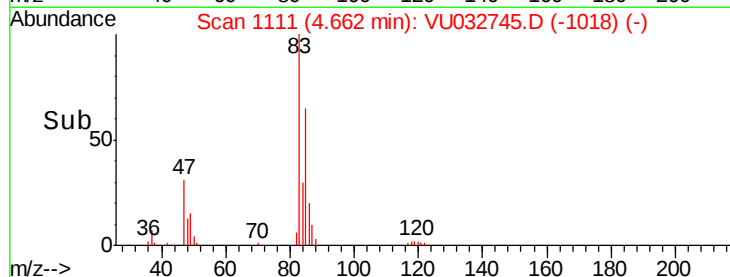
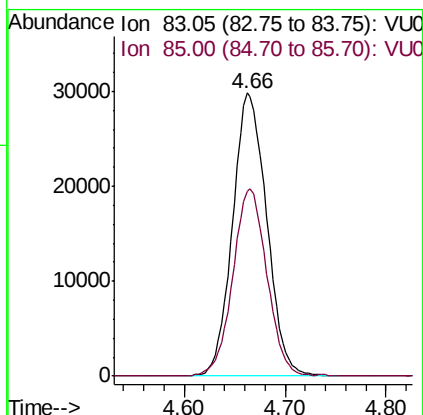
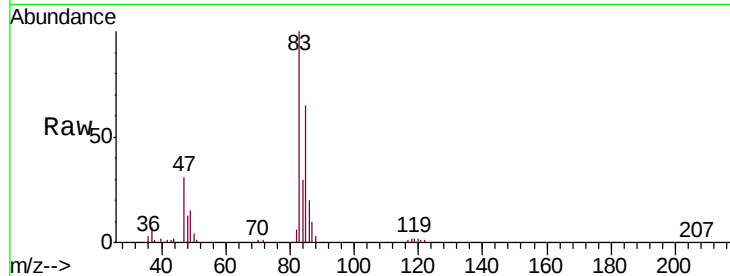




#25
Chloroform
Concen: 5.108 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

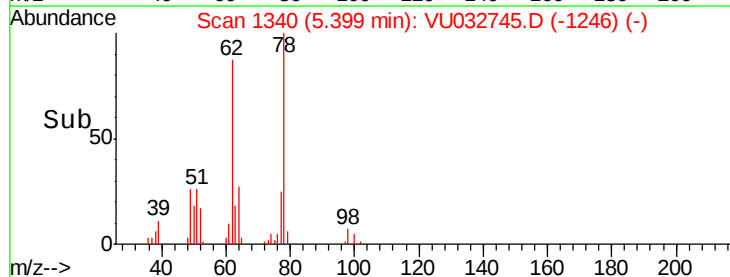
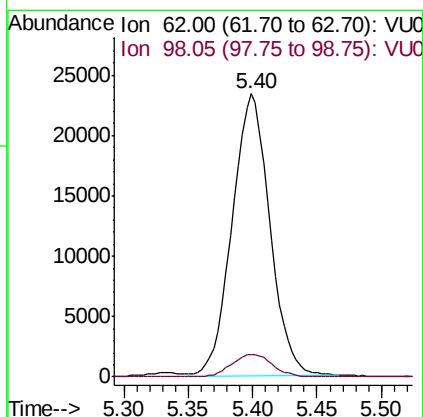
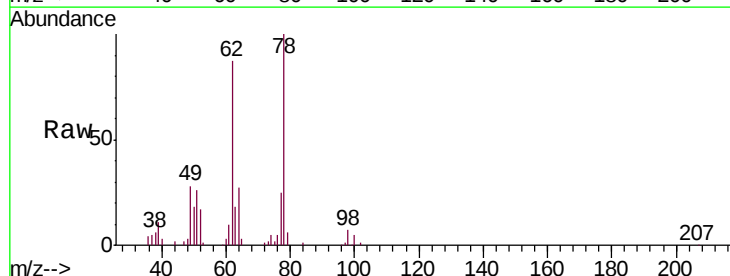
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

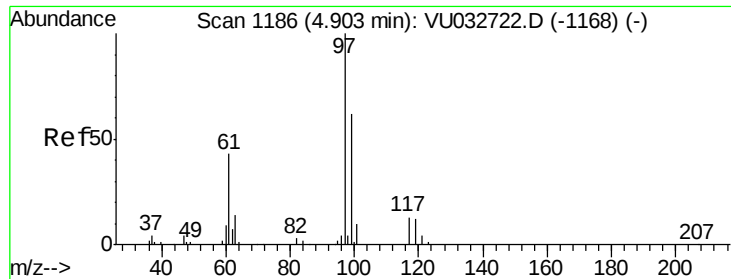
Tgt Ion: 83 Resp: 70086
Ion Ratio Lower Upper
83 100
85 65.1 43.8 81.3



#27
1,2-Dichloroethane
Concen: 5.260 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

Tgt Ion: 62 Resp: 47434
Ion Ratio Lower Upper
62 100
98 8.0 7.0 10.6

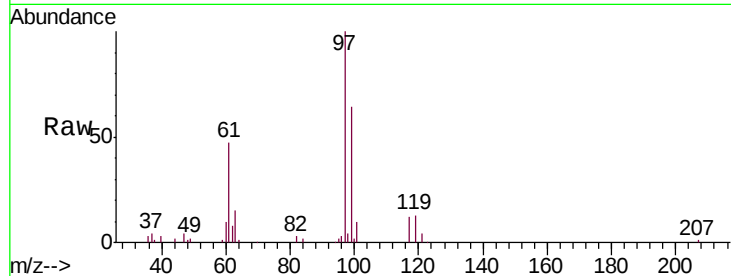




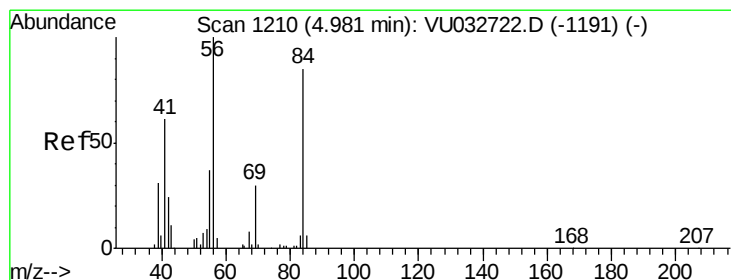
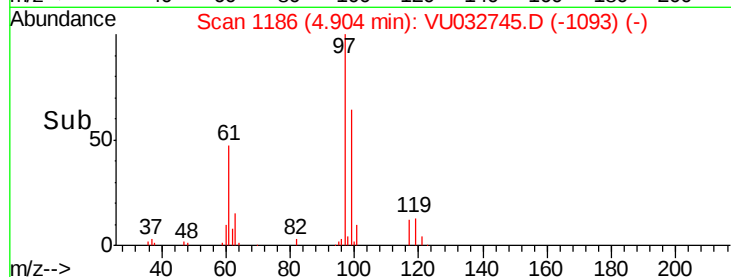
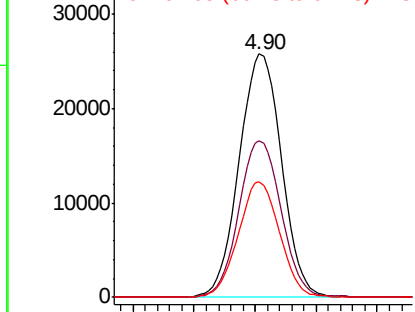
#29
 1,1,1-Trichloroethane
 Concen: 4.939 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion	Resp	Lower	Upper
97	61989		
99	64.2	51.8	77.6
61	46.2	34.7	52.1

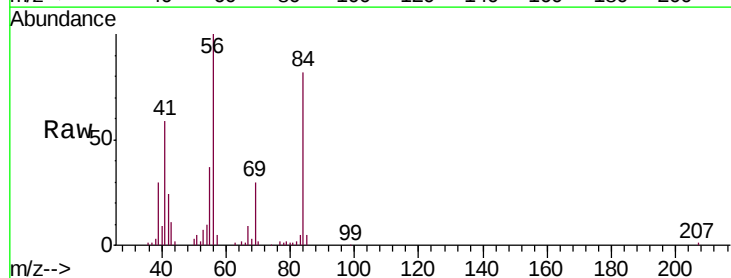


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

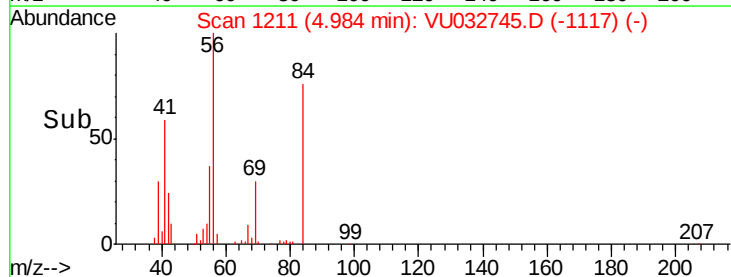
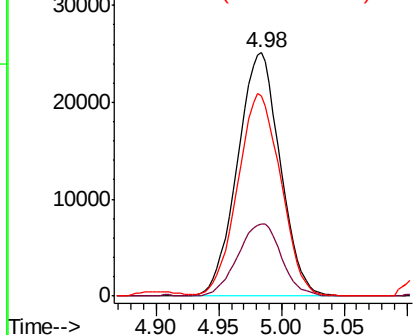


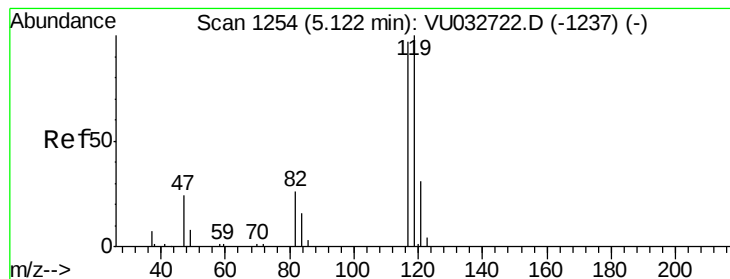
#30
 Cyclohexane
 Concen: 4.471 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Tgt Ion	Resp	Lower	Upper
56	59308		
69	30.3	24.9	37.3
84	84.0	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: 4.895 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

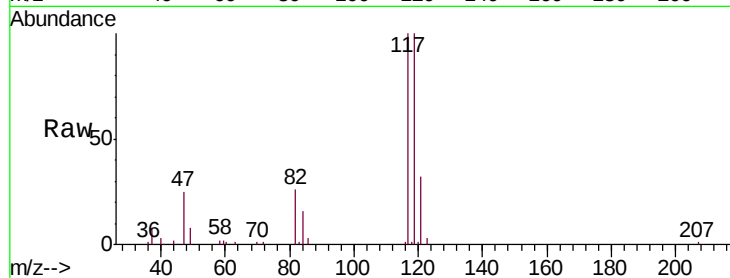
VSTD00526

Tgt Ion:117 Resp: 55854

Ion Ratio Lower Upper

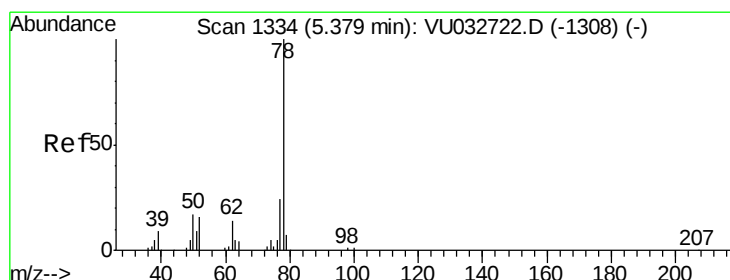
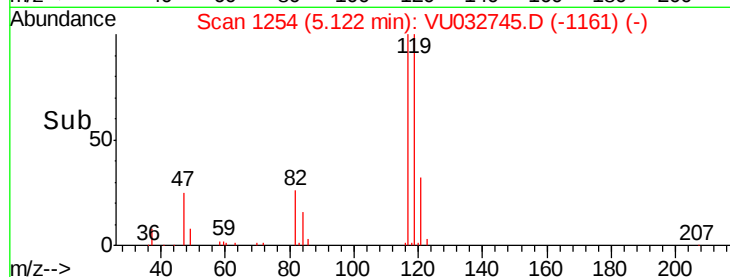
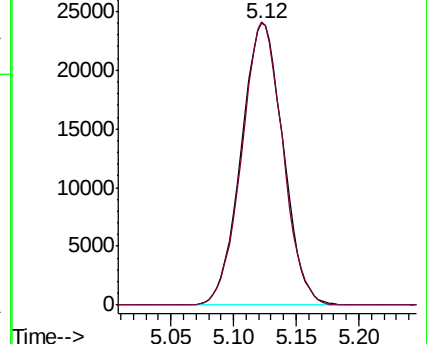
117 100

119 97.9 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: 4.840 ug/L

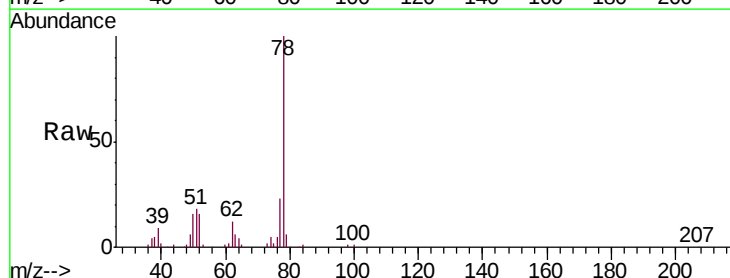
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

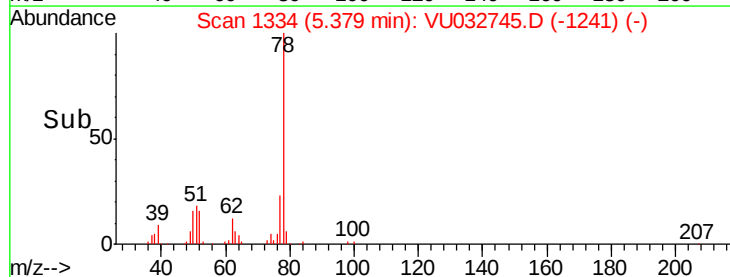
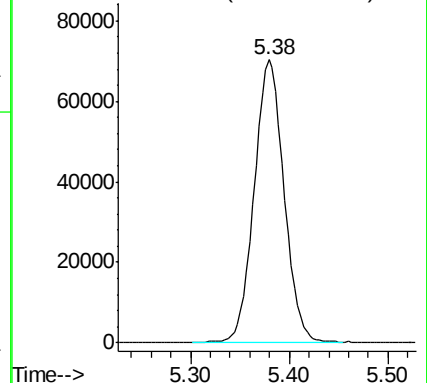
Lab File: VU032745.D

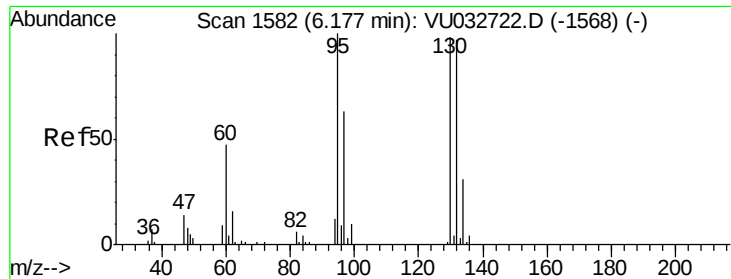
Acq: 15 Jun 2019 01:03

Tgt Ion: 78 Resp: 146966



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.492 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tgt Ion: 95 Resp: 39240

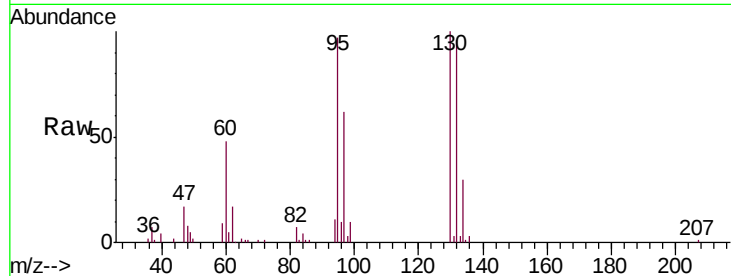
Ion Ratio Lower Upper

95 100

97 64.2 44.1 81.9

132 98.9 68.8 127.8

130 103.2 71.0 131.8

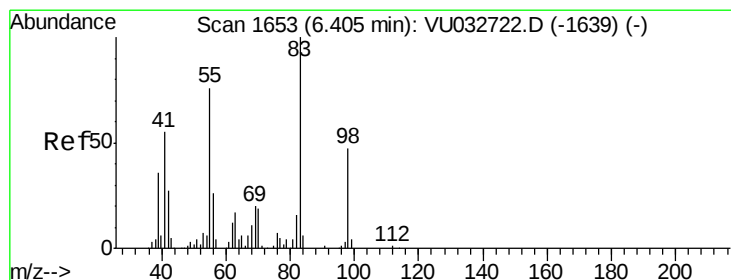
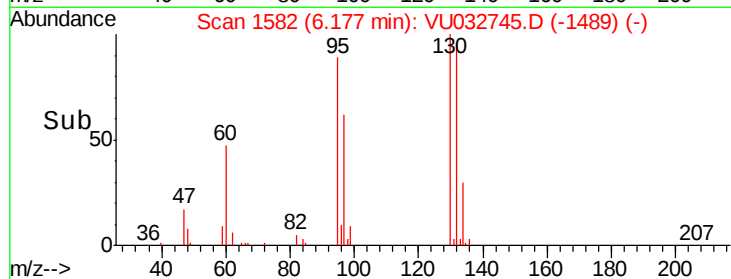
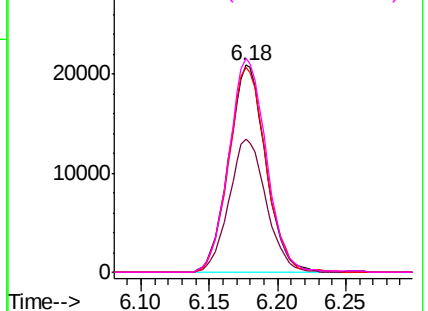


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.320 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

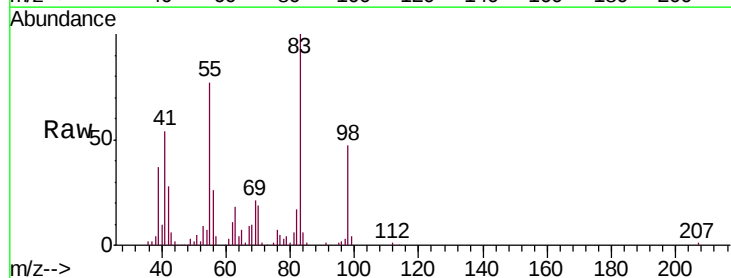
Tgt Ion: 83 Resp: 60689

Ion Ratio Lower Upper

83 100

55 77.4 60.0 90.0

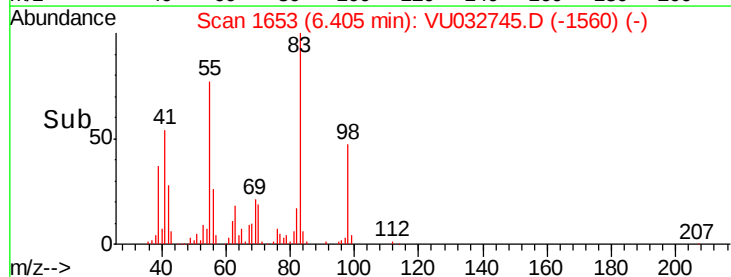
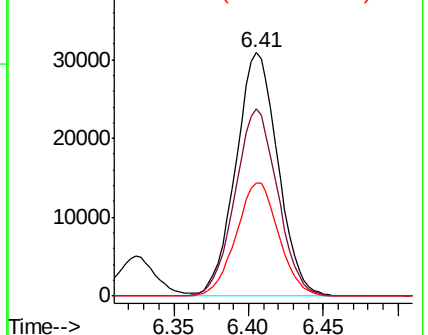
98 46.9 37.8 56.8

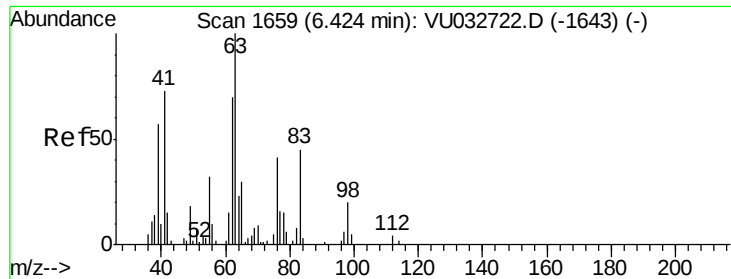


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

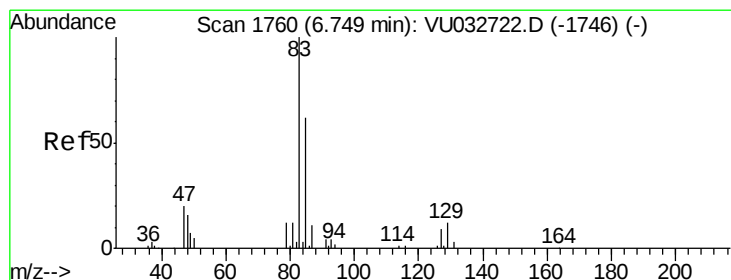
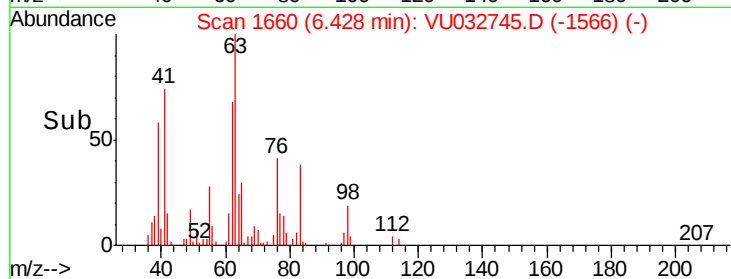
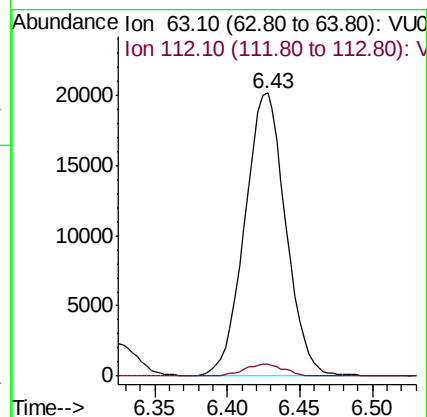
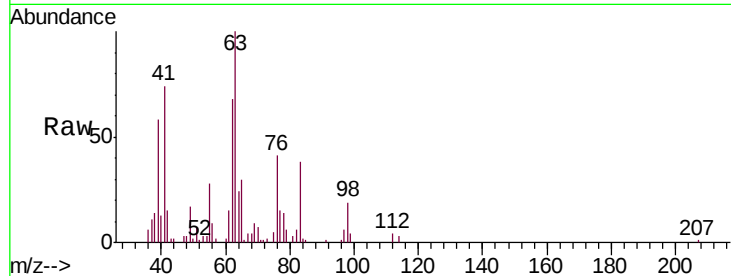




#37
 1,2-Dichloropropane
 Concen: 5.047 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

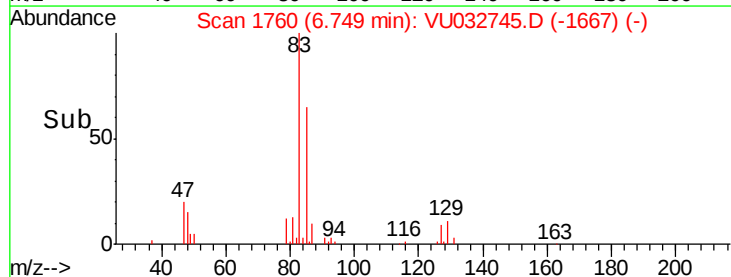
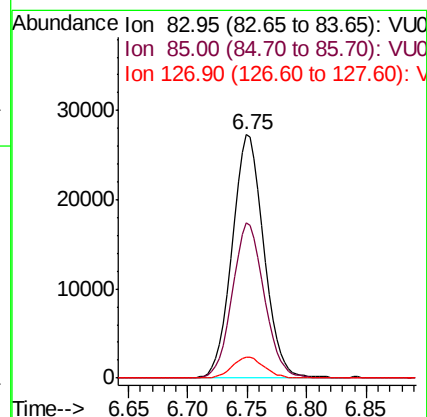
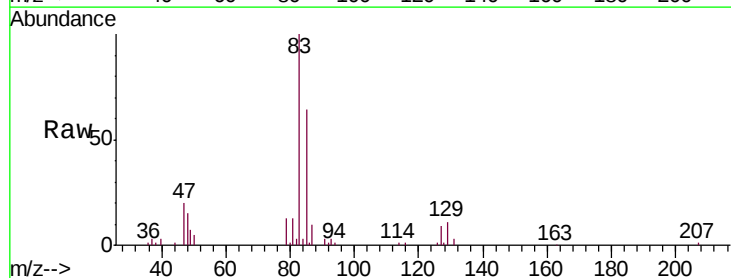
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

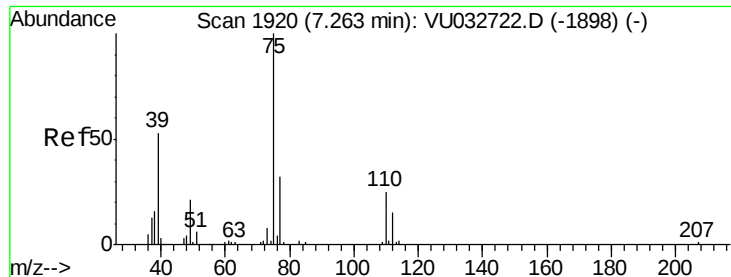
Tgt Ion: 63 Resp: 39653
 Ion Ratio Lower Upper
 63 100
 112 4.1 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.985 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Tgt Ion: 83 Resp: 50339
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.2 84.0
 127 8.6 7.4 11.2

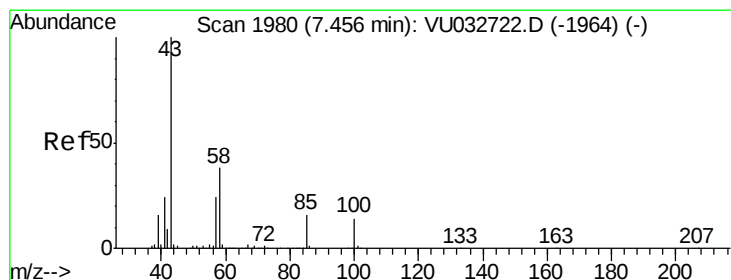
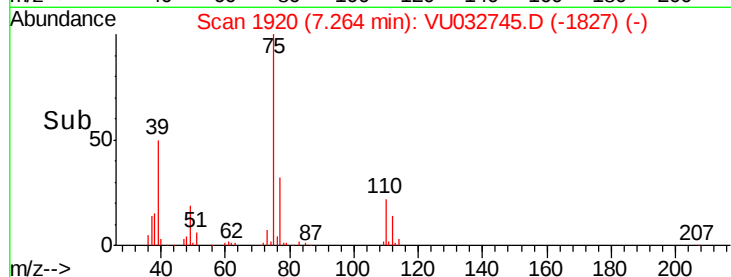
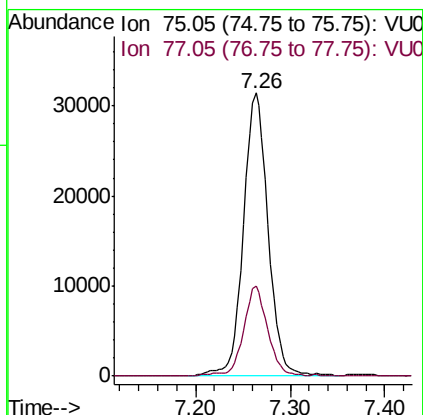
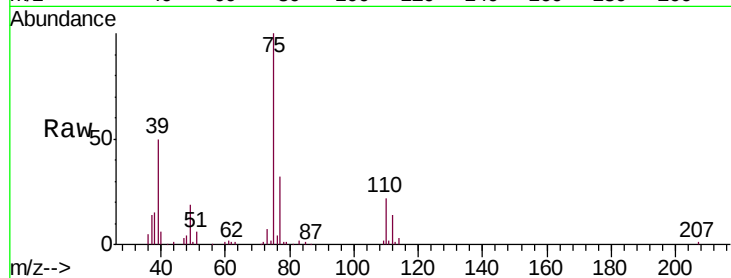




#39
 cis-1,3-Dichloropropene
 Concen: 4.724 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

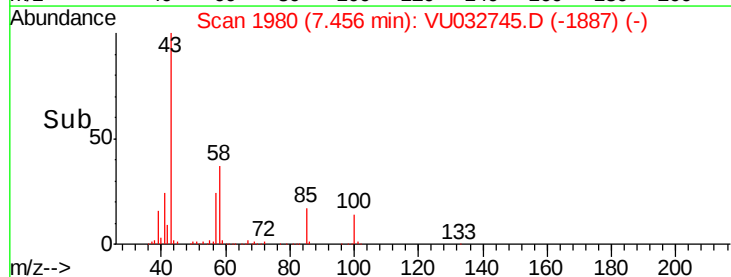
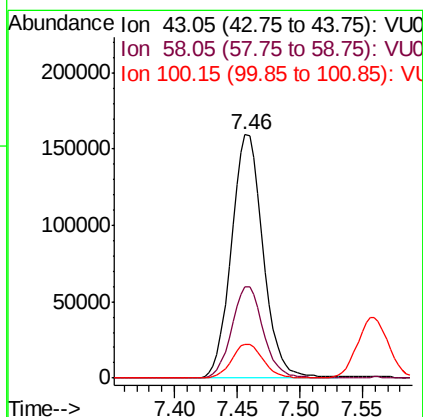
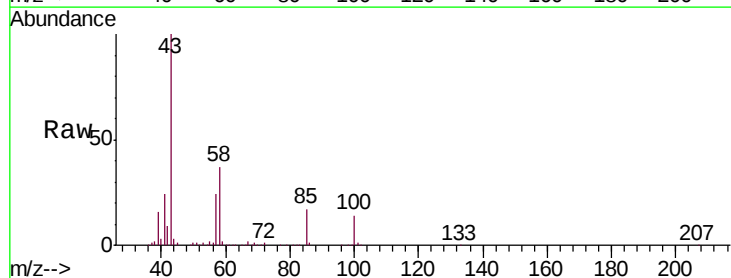
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

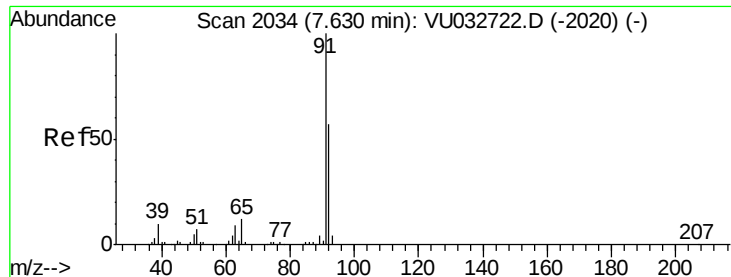
Tgt Ion: 75 Resp: 56985
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 50.064 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Tgt Ion: 43 Resp: 279927
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.9 46.3
 100 13.8 11.9 17.9





#42

Toluene

Concen: 4.680 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

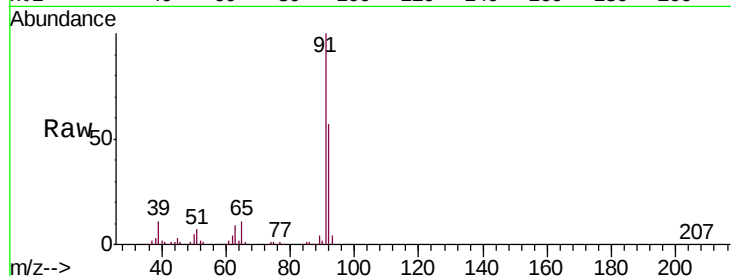
VSTD00526

Tgt Ion: 91 Resp: 158398

Ion Ratio Lower Upper

91 100

92 56.5 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032722.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032722.D (-2020) (-)

7.63

100000

80000

60000

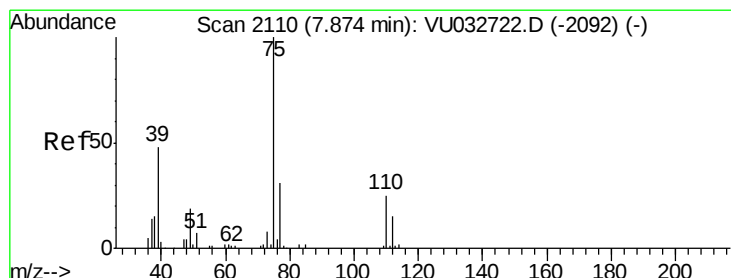
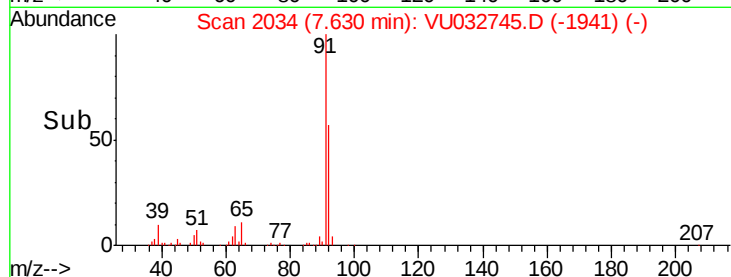
40000

20000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.709 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032745.D

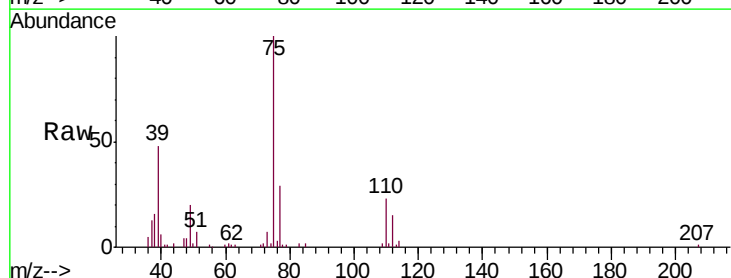
Acq: 15 Jun 2019 01:03

Tgt Ion: 75 Resp: 45355

Ion Ratio Lower Upper

75 100

77 29.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032722.D (-2092) (-)

Ion 77.05 (76.75 to 77.75): VU032722.D (-2092) (-)

7.87

30000

25000

20000

15000

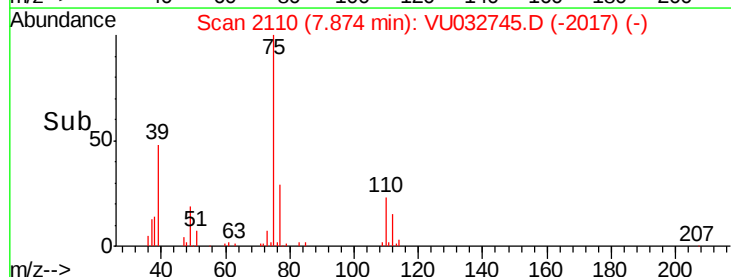
10000

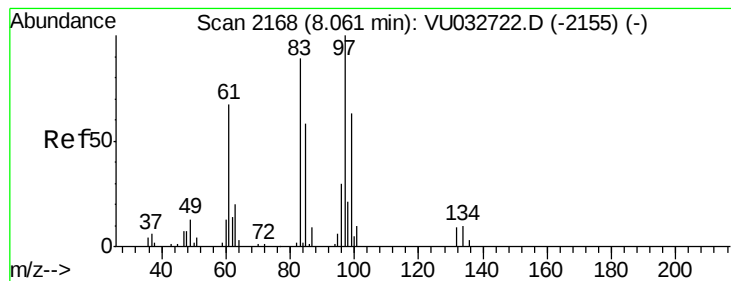
5000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.929 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tgt Ion: 97 Resp: 28175

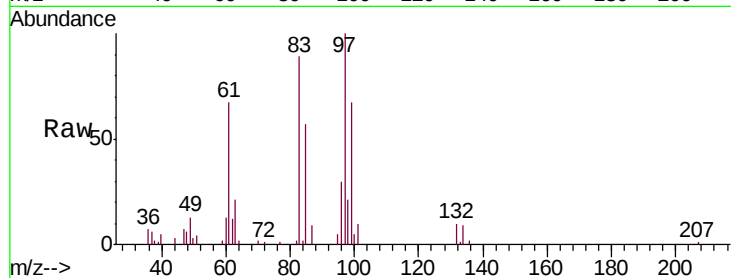
Ion Ratio Lower Upper

97 100

99 66.9 44.9 83.3

83 89.4 58.7 108.9

85 57.2 37.9 70.5

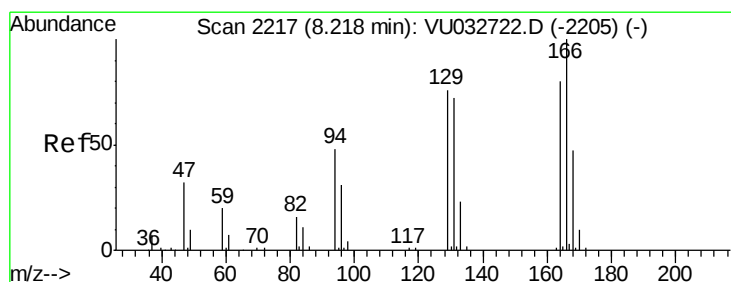
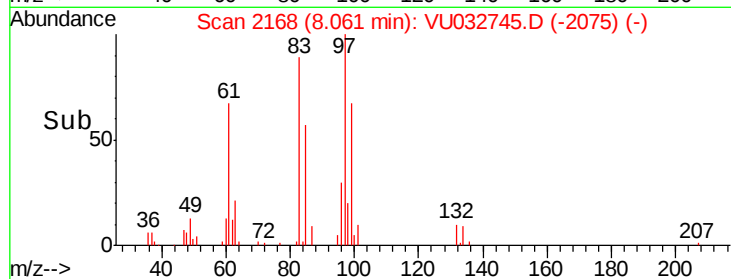
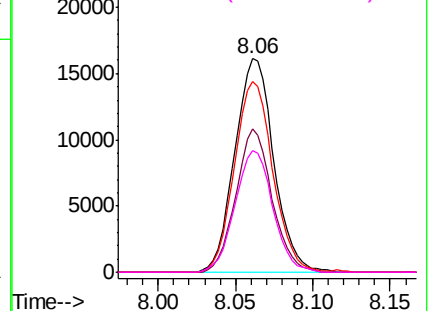


Abundance Ion 96.95 (96.65 to 97.65): VU032722.D (-2155) (-)

Ion 99.05 (98.75 to 99.75): VU032722.D (-2155) (-)

Ion 82.95 (82.65 to 83.65): VU032722.D (-2155) (-)

Ion 85.00 (84.70 to 85.70): VU032722.D (-2155) (-)



#47

Tetrachloroethene

Concen: 4.822 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Tgt Ion: 164 Resp: 33148

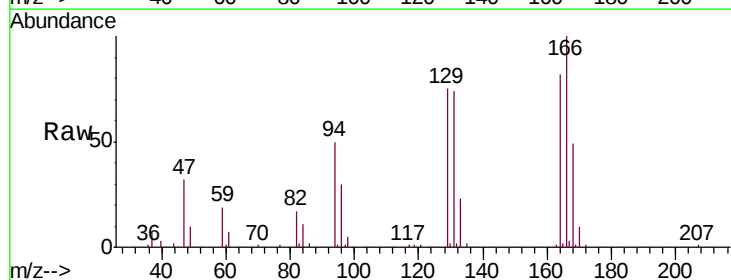
Ion Ratio Lower Upper

164 100

129 90.6 66.1 122.7

131 89.8 65.6 121.8

166 121.6 93.2 173.2

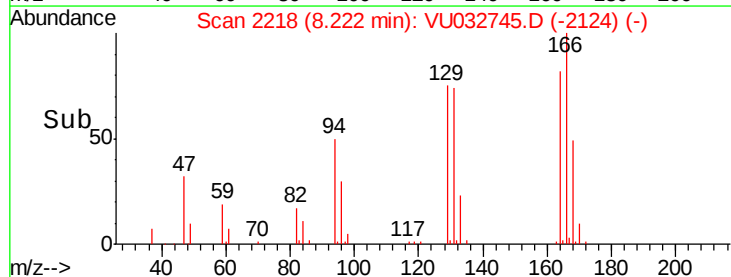
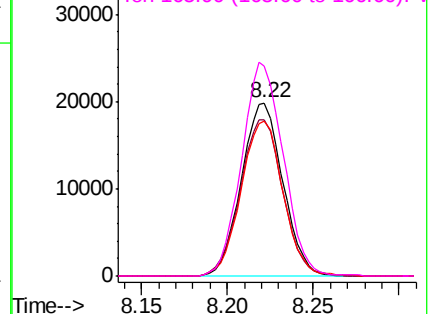


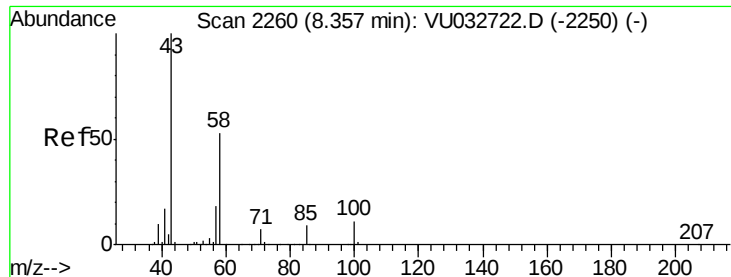
Abundance Ion 163.90 (163.60 to 164.60): VU032722.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU032722.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU032722.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU032722.D (-2205) (-)

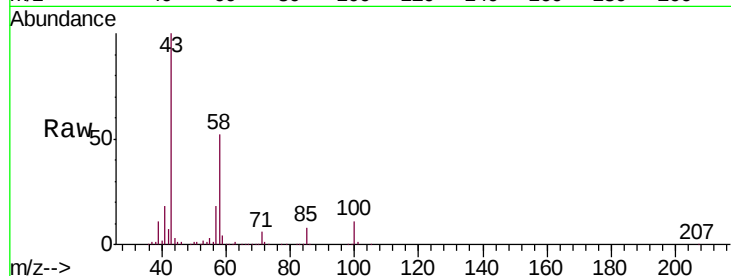




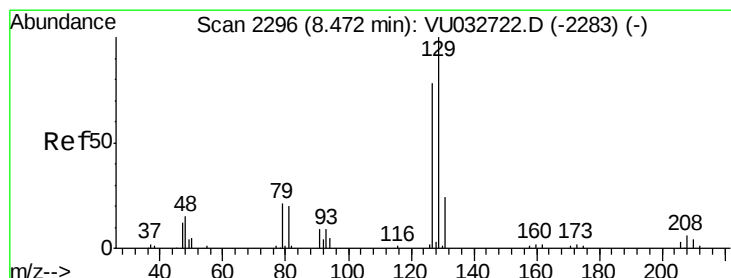
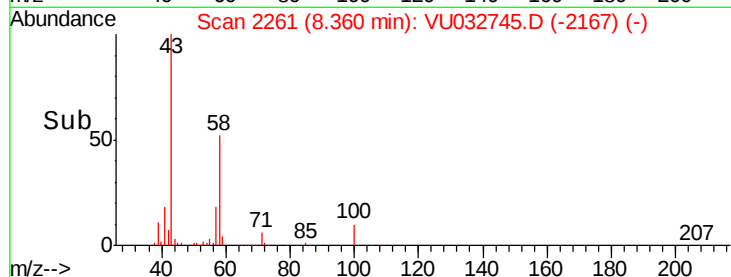
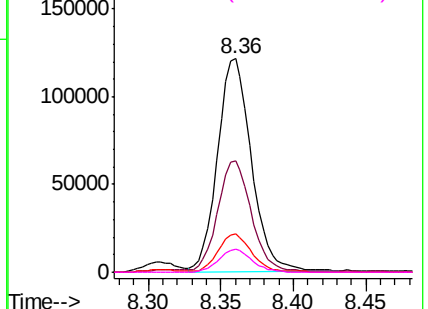
#48
2-Hexanone
Concen: 49.082 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tgt Ion: 43 Resp: 196116
Ion Ratio Lower Upper
43 100
58 52.2 41.9 62.9
57 17.9 15.1 22.7
100 10.8 9.0 13.6

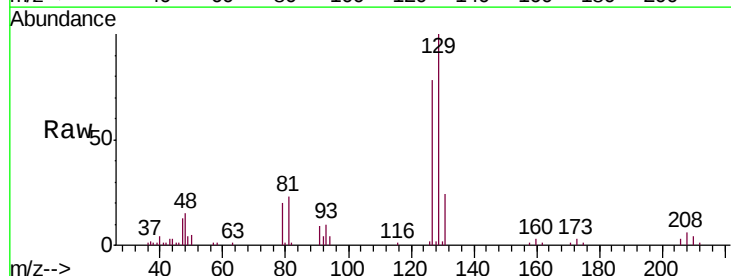


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

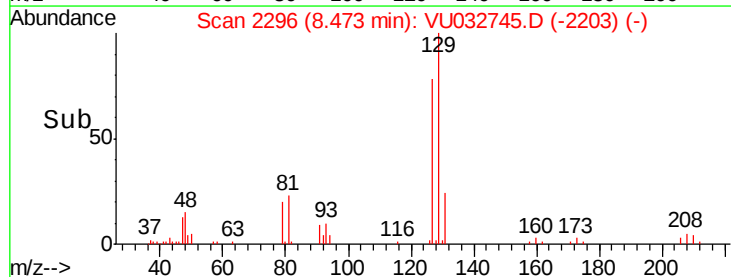
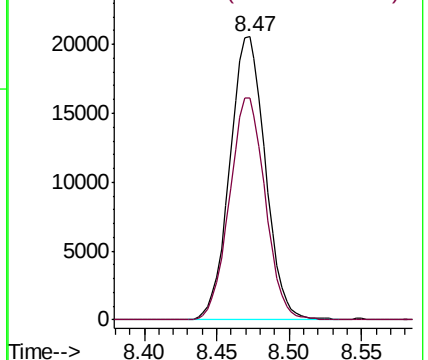


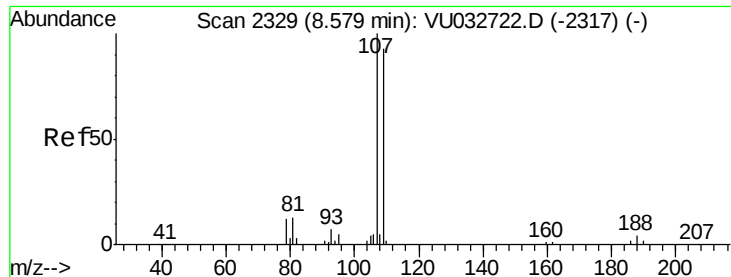
#49
Dibromochloromethane
Concen: 4.783 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

Tgt Ion: 129 Resp: 34975
Ion Ratio Lower Upper
129 100
127 78.4 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: 4.865 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

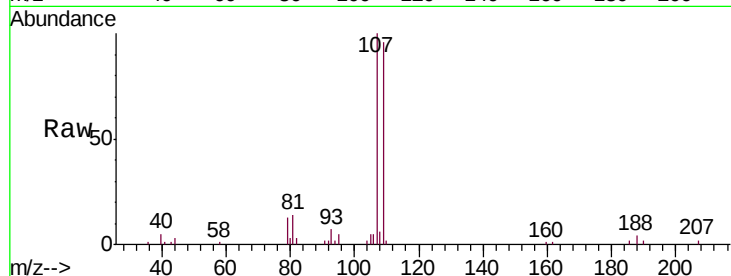
Tgt Ion:107 Resp: 27716

Ion Ratio Lower Upper

107 100

109 95.6 65.2 121.0

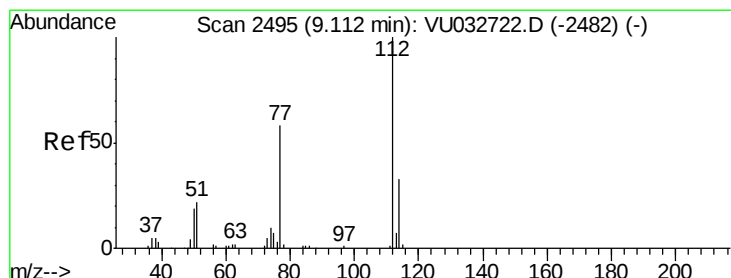
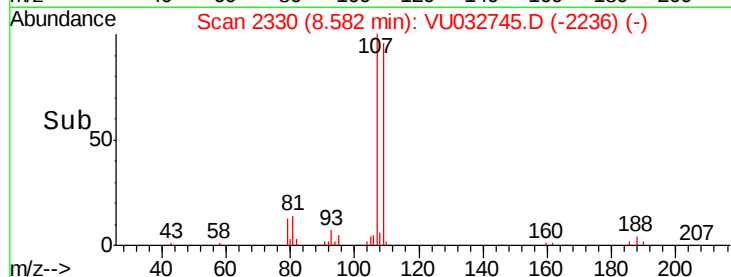
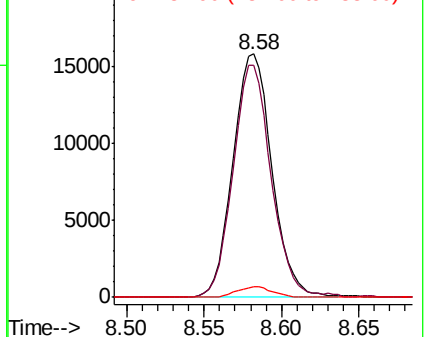
188 4.2 3.1 4.7



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: 4.827 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

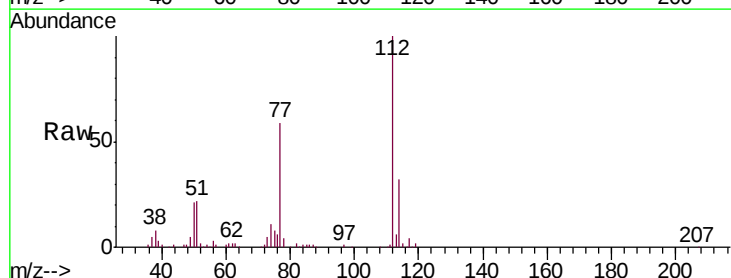
Tgt Ion:112 Resp: 102434

Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

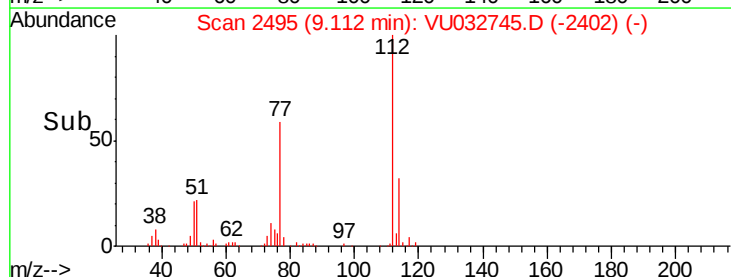
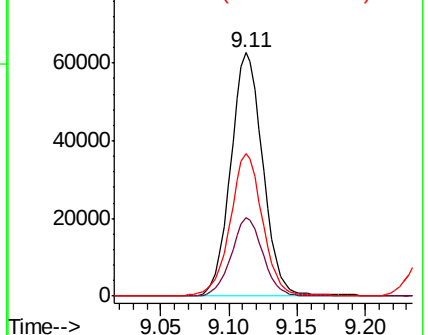
77 58.7 46.5 69.7

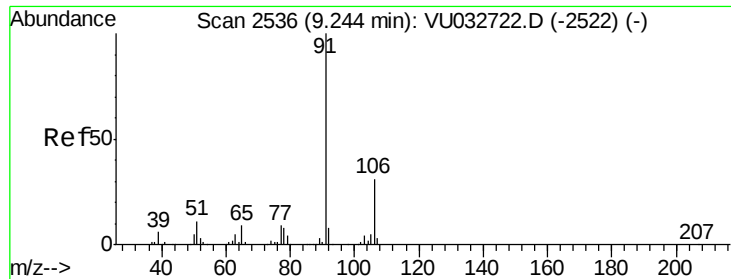


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU

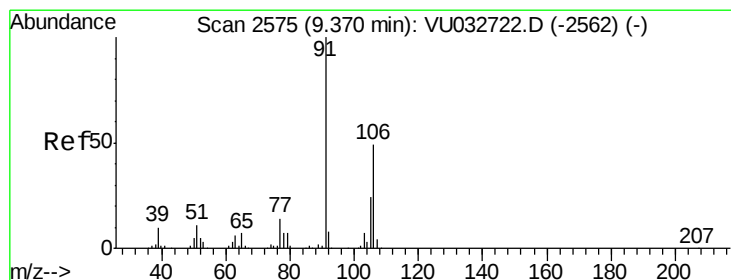
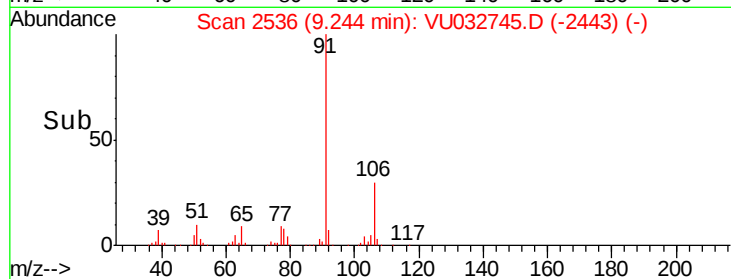
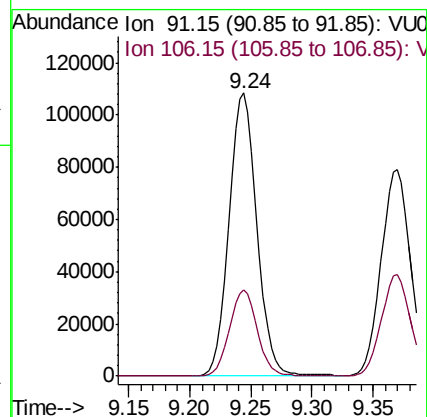
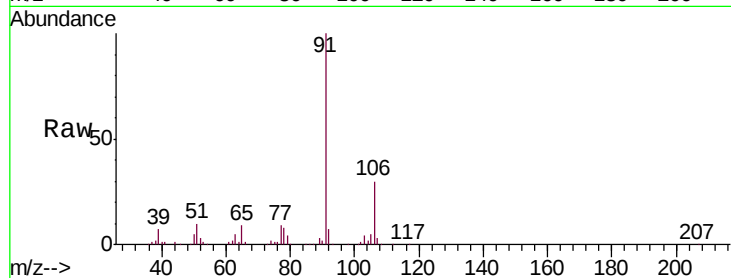




#52
Ethylbenzene
Concen: 4.671 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

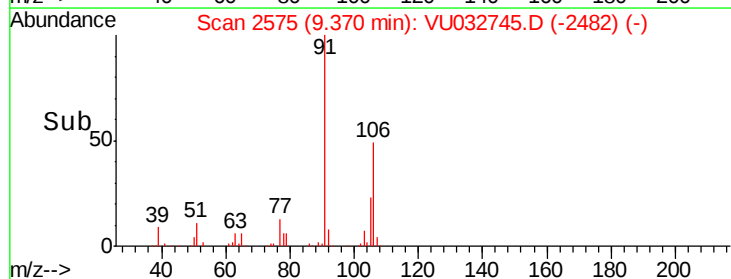
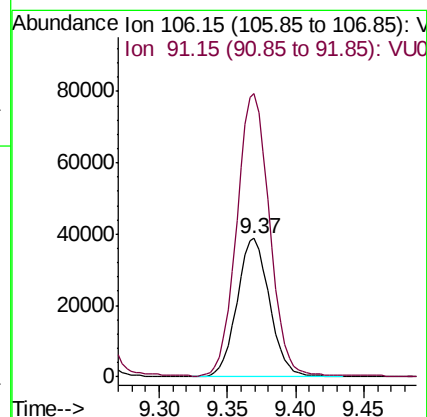
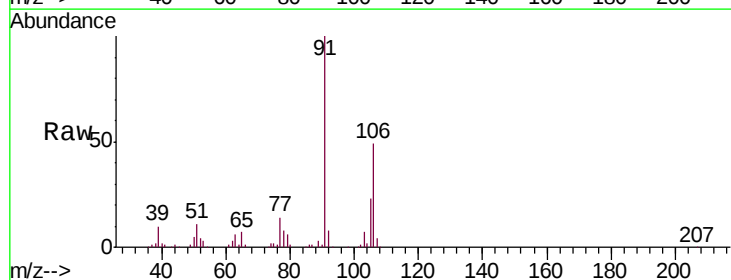
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

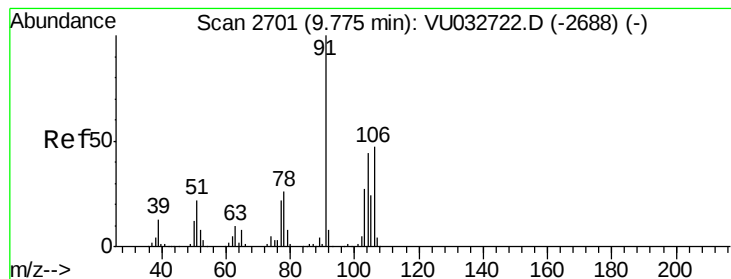
Tgt Ion: 91 Resp: 174227
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.6



#53
m,p-Xylene
Concen: 4.578 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU032745.D
Acq: 15 Jun 2019 01:03

Tgt Ion: 106 Resp: 64739
Ion Ratio Lower Upper
106 100
91 204.9 142.4 264.4





#54

o-Xylene

Concen: 4.575 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

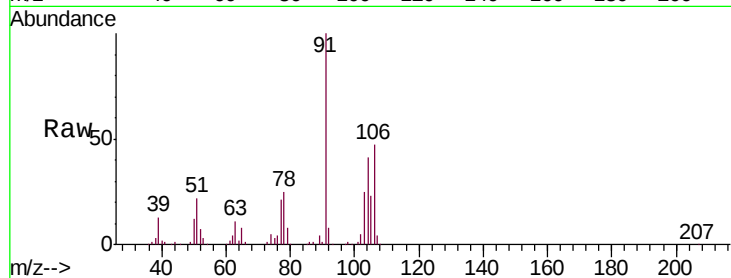
VSTD00526

Tgt Ion:106 Resp: 64564

Ion Ratio Lower Upper

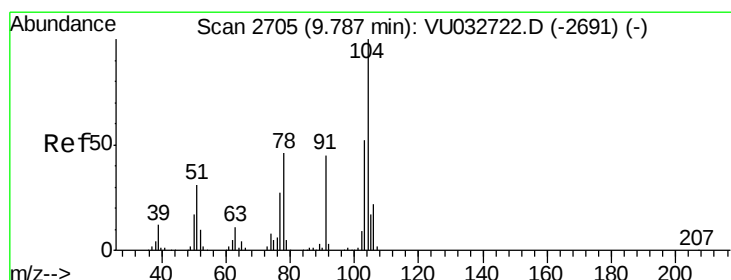
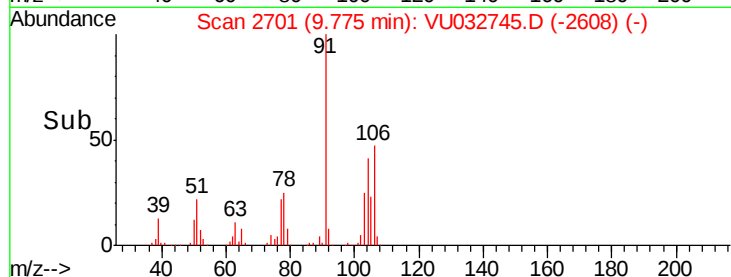
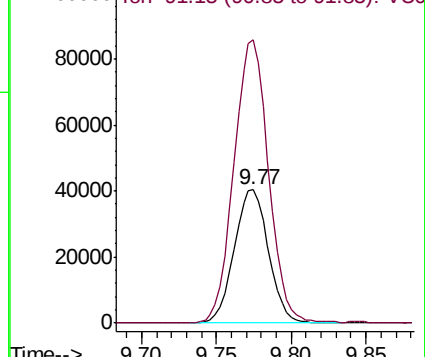
106 100

91 212.5 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



#55

Styrene

Concen: 4.758 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032745.D

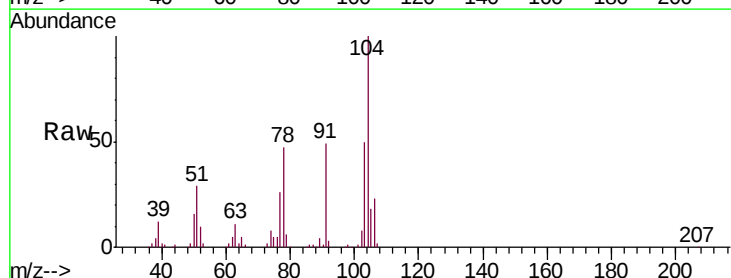
Acq: 15 Jun 2019 01:03

Tgt Ion:104 Resp: 110478

Ion Ratio Lower Upper

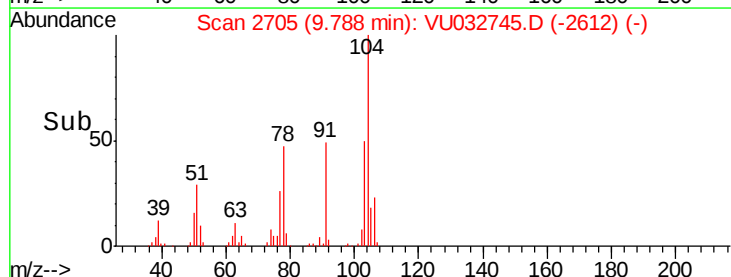
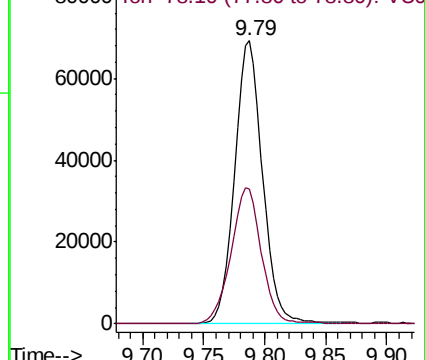
104 100

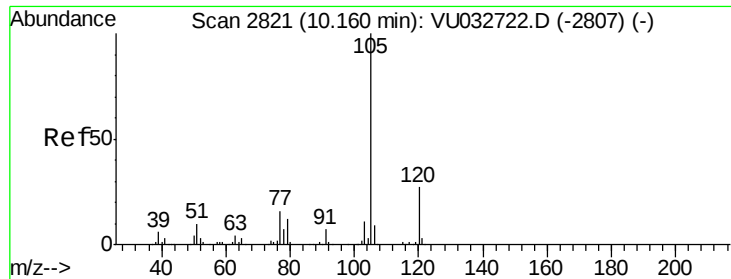
78 47.5 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#56

Isopropylbenzene

Concen: 4.556 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampled :

VSTD00526

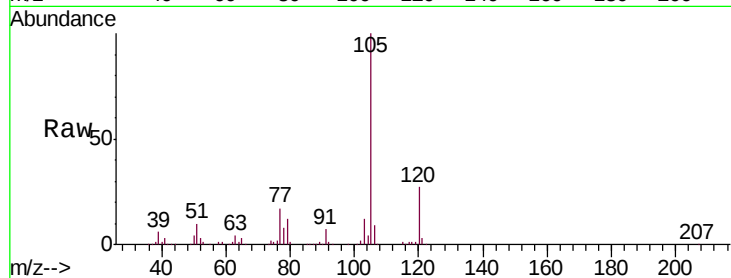
Tgt Ion: 105 Resp: 169594

Ion Ratio Lower Upper

105 100

120 26.3 21.6 32.4

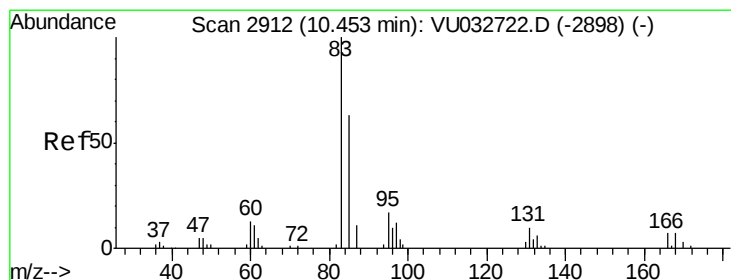
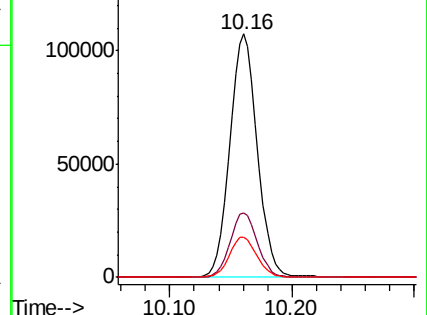
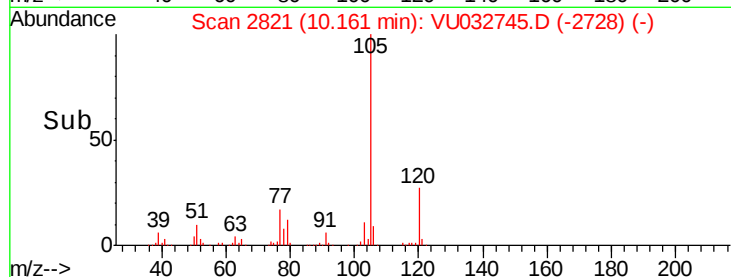
77 16.6 12.3 18.5



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: 5.119 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

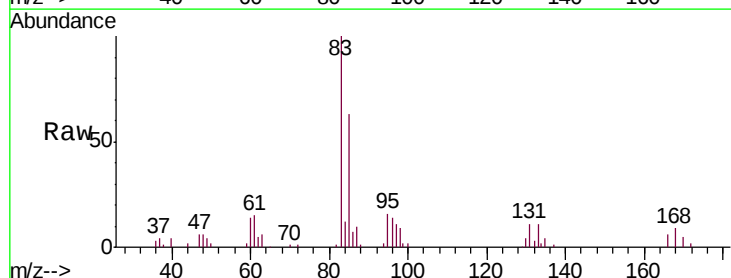
Tgt Ion: 83 Resp: 37422

Ion Ratio Lower Upper

83 100

85 63.2 45.7 84.9

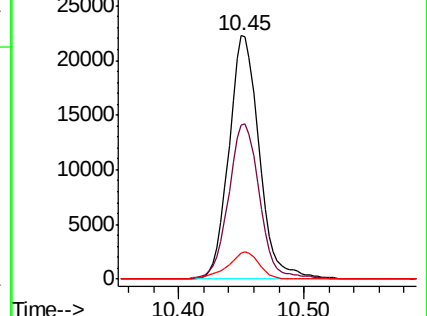
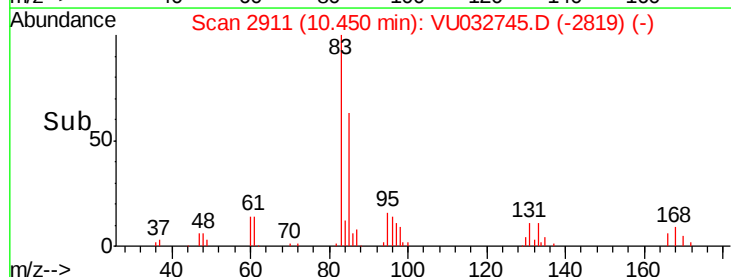
131 10.6 8.0 12.0

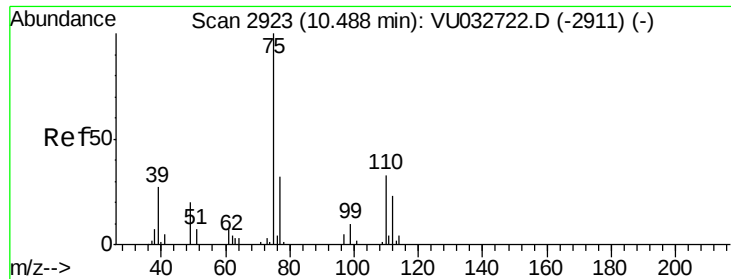


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

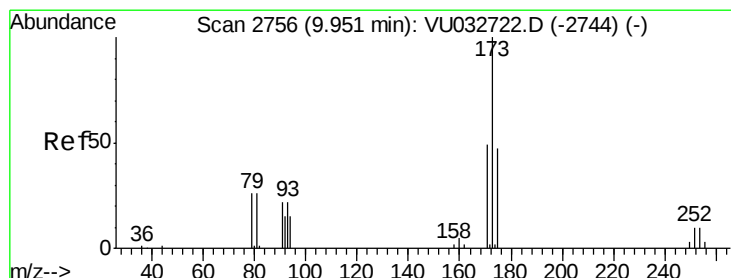
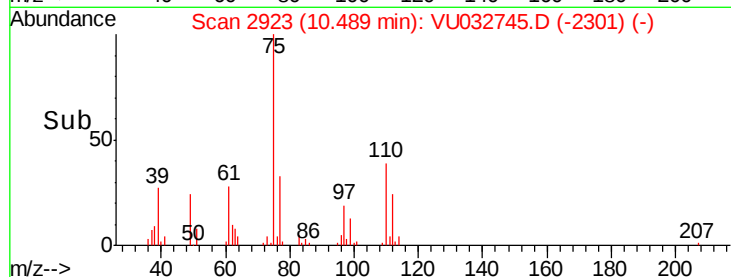
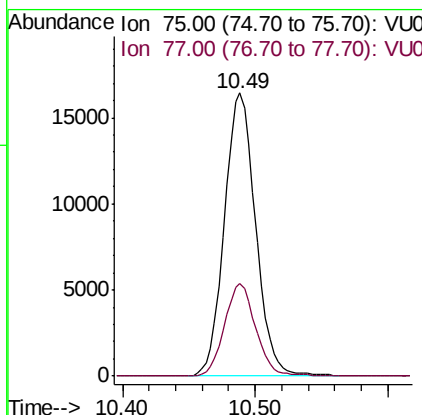
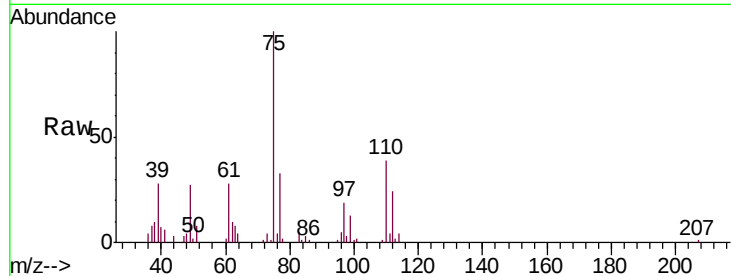




#59
 1,2,3-Trichloropropane
 Concen: 5.210 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

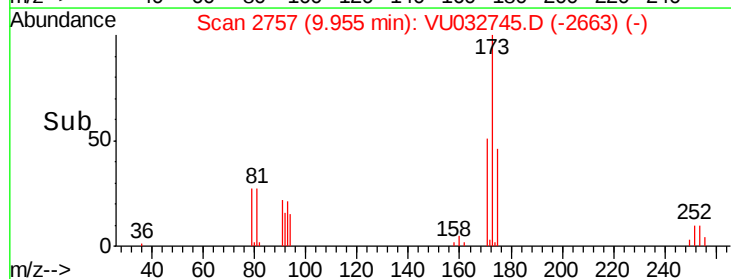
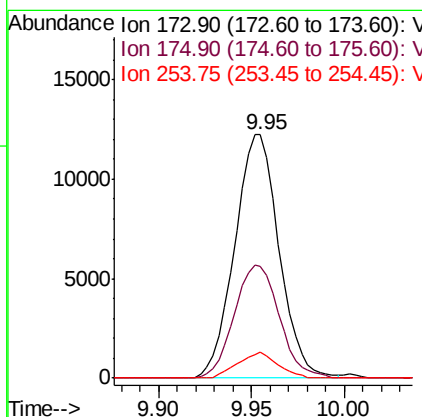
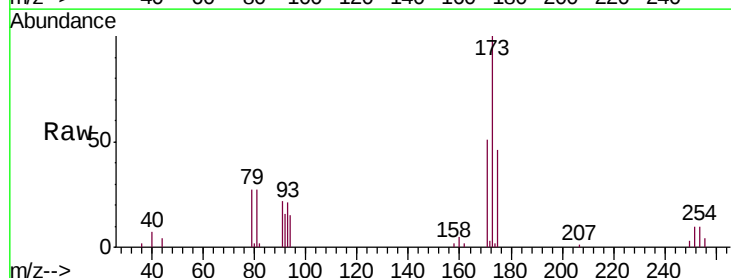
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

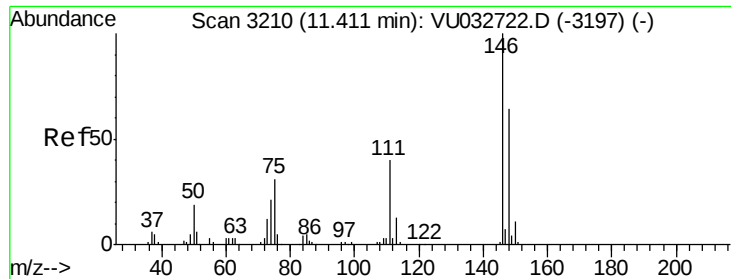
Tgt Ion: 75 Resp: 26883
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.3 37.9



#61
 Bromoform
 Concen: 4.606 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Tgt Ion: 173 Resp: 20369
 Ion Ratio Lower Upper
 173 100
 175 47.3 37.9 56.9
 254 9.6 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.629 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

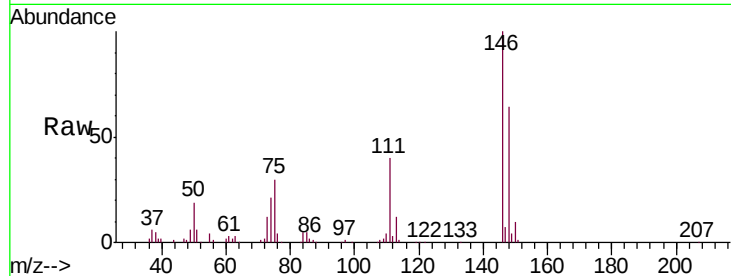
Tgt Ion:146 Resp: 83187

Ion Ratio Lower Upper

146 100

111 40.0 27.7 51.5

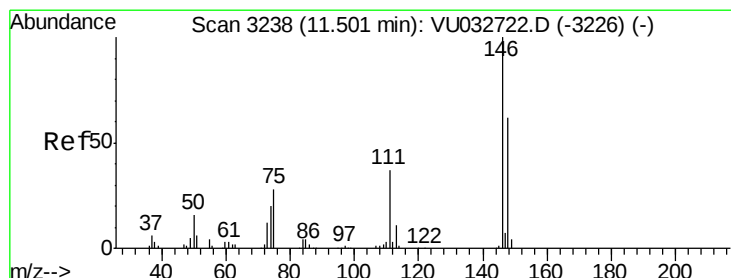
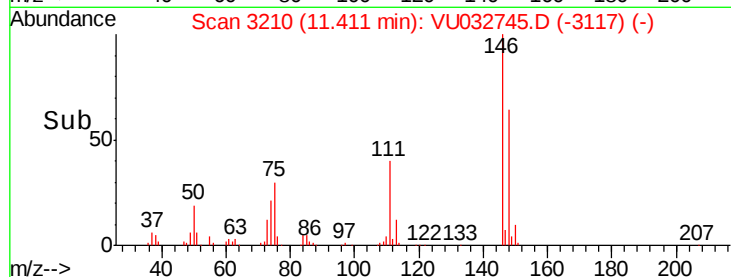
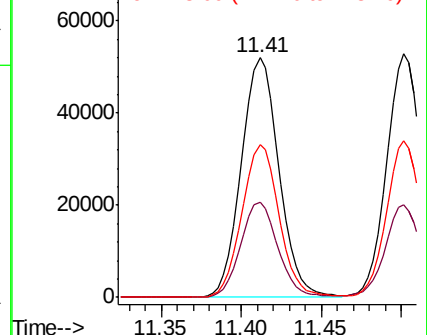
148 63.6 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.548 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

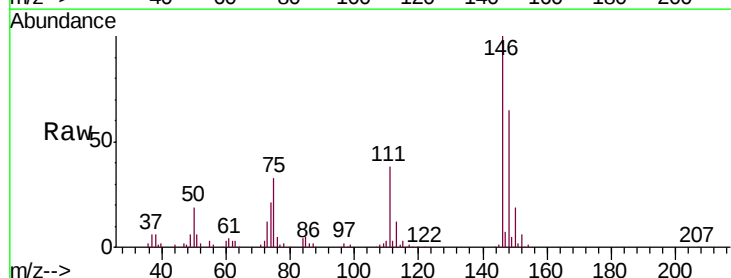
Tgt Ion:146 Resp: 83076

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.6

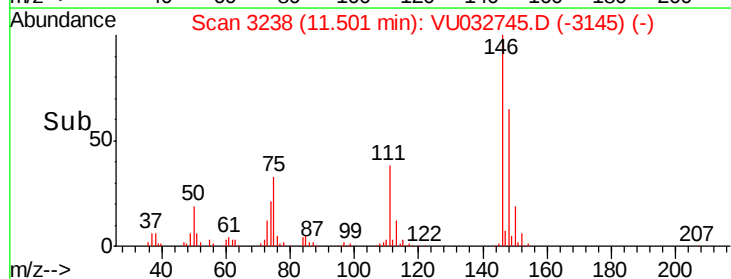
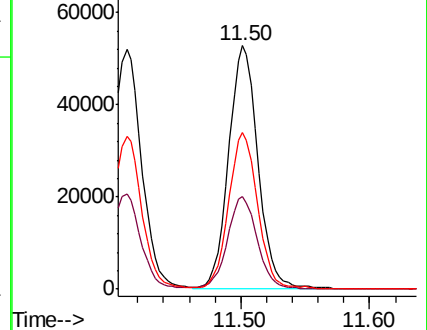
148 64.5 43.9 81.5

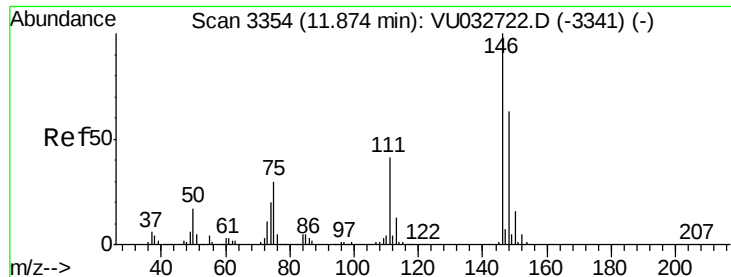


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

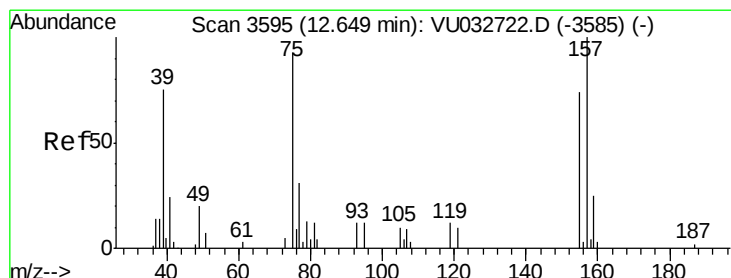
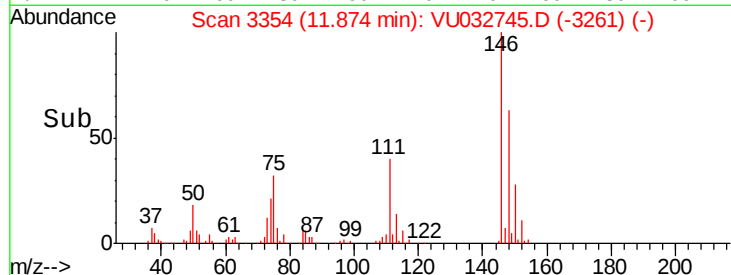
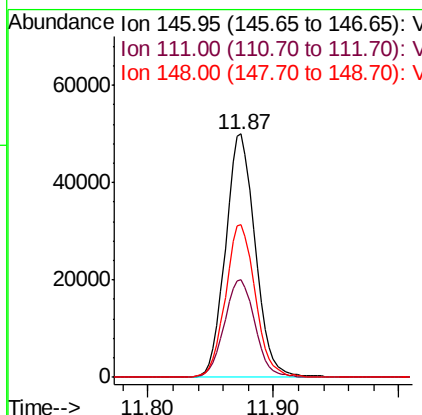
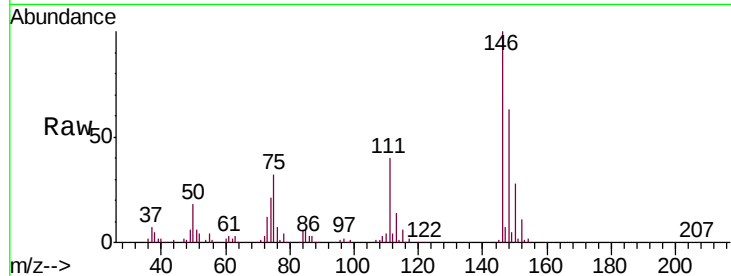




#65
 1,2-Dichlorobenzene
 Concen: 4.743 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

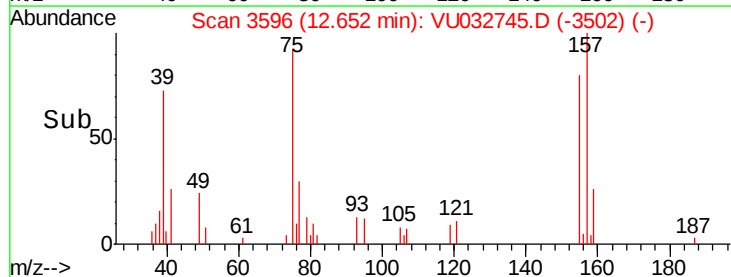
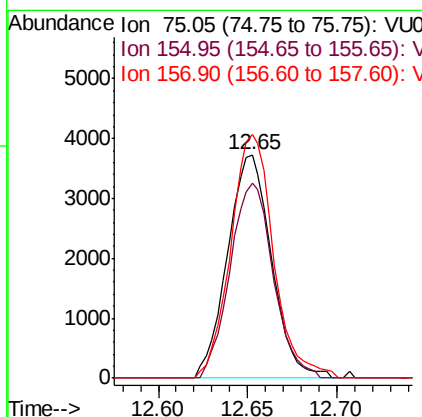
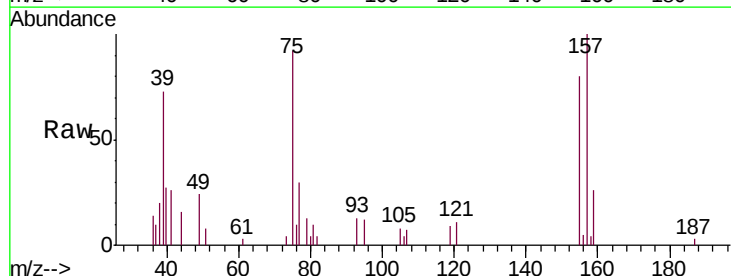
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

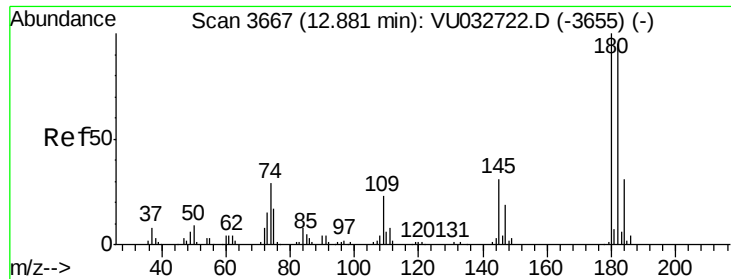
Tgt Ion: 146 Resp: 82346
 Ion Ratio Lower Upper
 146 100
 111 40.1 33.0 49.4
 148 63.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.262 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Tgt Ion: 75 Resp: 6415
 Ion Ratio Lower Upper
 75 100
 155 87.3 72.3 108.5
 157 109.1 87.4 131.0

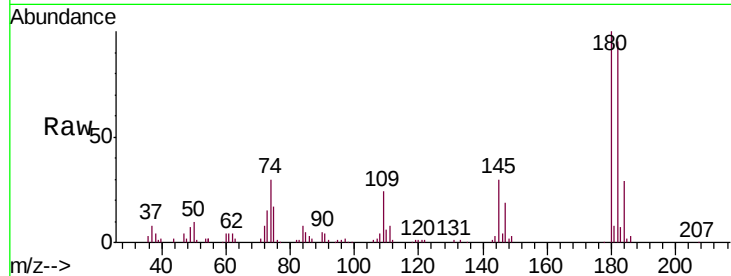




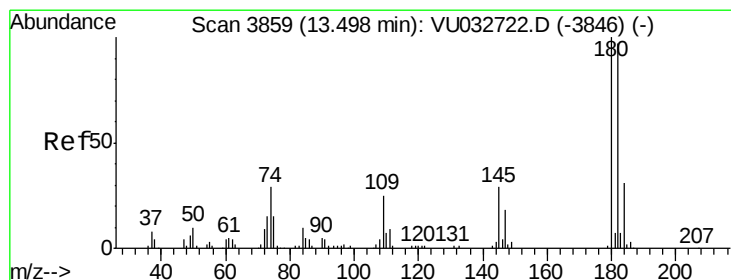
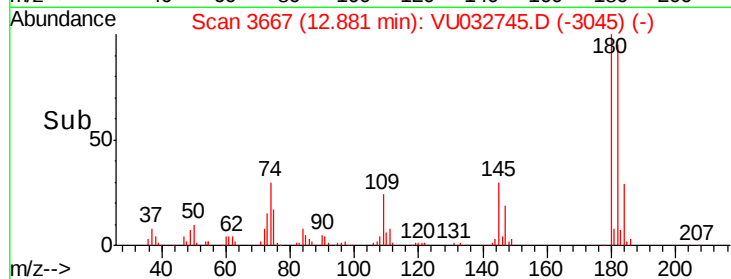
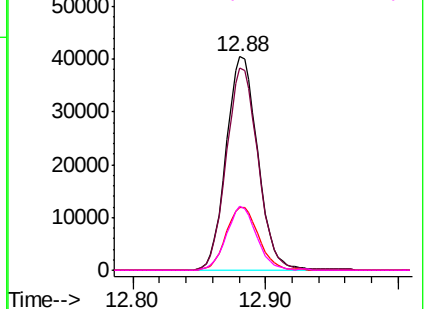
#67
 1,3,5-Trichlorobenzene
 Concen: 4.669 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion:180 Resp: 67234
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 115.0
 184 30.1 24.2 36.4
 145 28.5 23.5 35.3

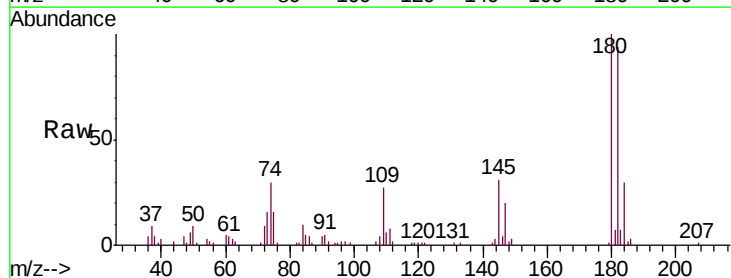


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

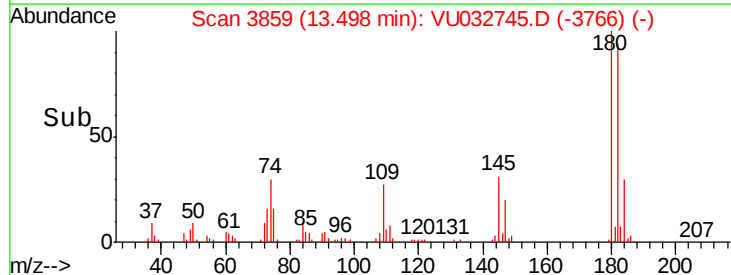
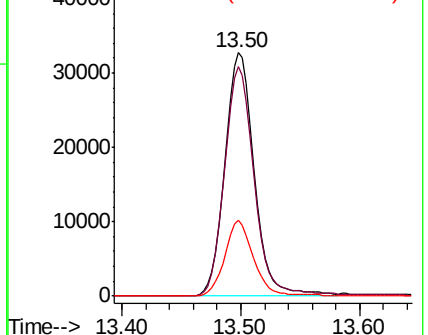


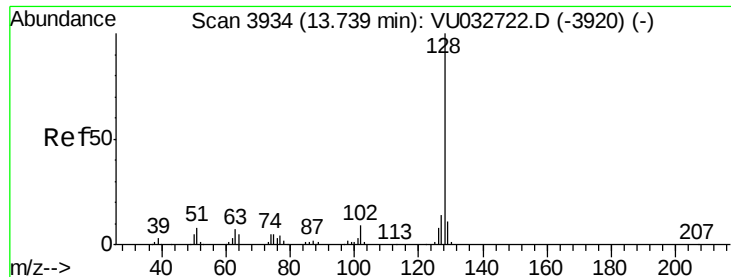
#68
 1,2,4-trichlorobenzene
 Concen: 4.825 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032745.D
 Acq: 15 Jun 2019 01:03

Tgt Ion:180 Resp: 56026
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.8 112.2
 145 30.0 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: 4.966 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

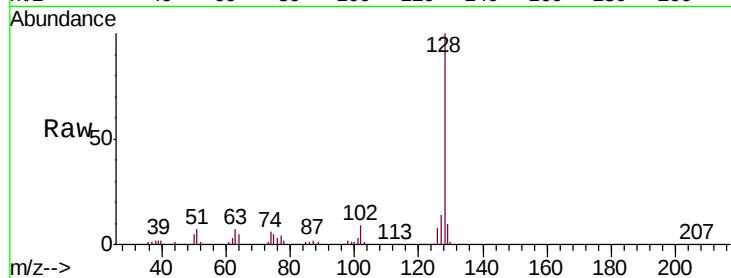
Tgt Ion:128 Resp: 101095

Ion Ratio Lower Upper

128 100

129 9.9 8.1 12.1

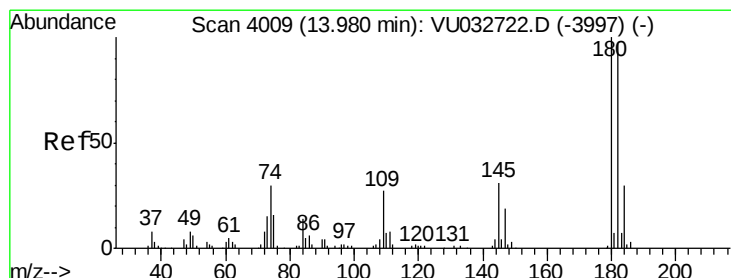
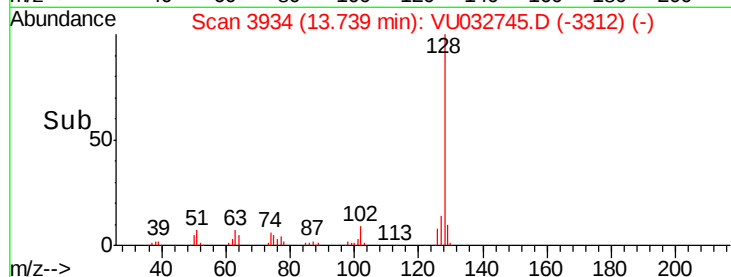
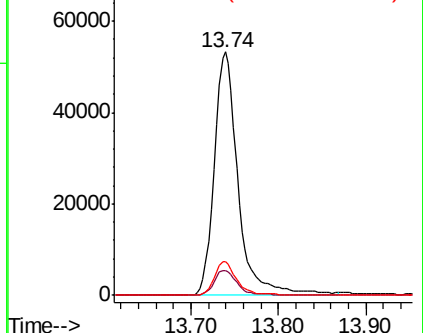
127 13.0 10.4 15.6



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: 4.688 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032745.D

Acq: 15 Jun 2019 01:03

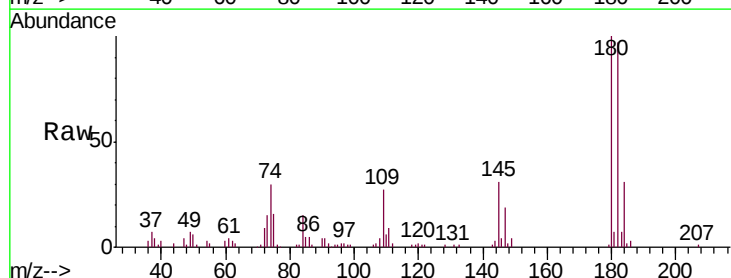
Tgt Ion:180 Resp: 54205

Ion Ratio Lower Upper

180 100

182 96.0 73.8 110.6

145 31.2 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

