

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032843.D
 Acq On : 19 Jun 2019 08:56
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Jun 20 05:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 17 01:26:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	101930	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	99420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54725	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29139	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.68	69	24544	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.27	63	63664	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	4.18	46	104984	56.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.52%
24) Chloroform-d	4.64	84	64604	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.30	65	36270	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
32) Benzene-d6	5.33	84	117716	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.32	67	38198	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.56	98	109664	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.85	79	16804	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.31	63	77804	47.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34731	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	46775	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	48144	5.505 ug/L	99
3) Chloromethane	1.32	50	45634	5.031 ug/L	99
5) Vinyl chloride	1.40	62	46066	5.167 ug/L	100
6) Bromomethane	1.62	94	27614	5.078 ug/L	100
8) Chloroethane	1.69	64	26678	4.684 ug/L	98
9) Trichlorofluoromethane	1.88	101	66872	5.241 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	34745	5.122 ug/L	99
12) 1,1-Dichloroethene	2.28	96	31831	4.915 ug/L	100
13) Acetone	2.32	43	77402	53.920 ug/L	93
14) Carbon disulfide	2.47	76	99361	4.791 ug/L	100
15) Methyl Acetate	2.61	43	19270	4.892 ug/L	96
16) Methylene chloride	2.69	84	34978	4.870 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	93743	4.949 ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	34750	4.973 ug/L	98
19) 1,1-Dichloroethane	3.43	63	70672	5.650 ug/L	98
21) 2-Butanone	4.27	43	115404	55.275 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	38964	4.927 ug/L	91

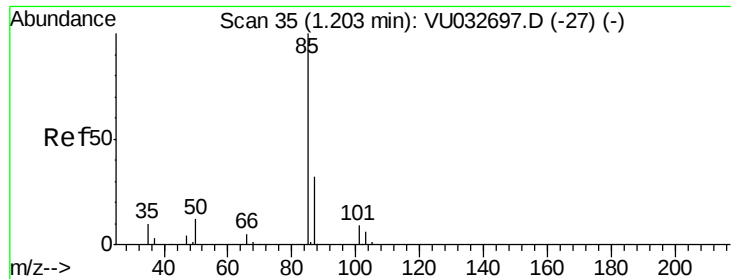
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032843.D
 Acq On : 19 Jun 2019 08:56
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Jun 20 05:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 17 01:26:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	18230	5.356	ug/L	95
25) Chloroform	4.67	83	71007	5.557	ug/L	93
27) 1,2-Dichloroethane	5.40	62	49712	5.920	ug/L	97
29) 1,1,1-Trichloroethane	4.90	97	61849	5.105	ug/L	96
30) Cyclohexane	4.98	56	59338	4.634	ug/L	97
31) Carbon tetrachloride	5.12	117	55450	5.034	ug/L	100
33) Benzene	5.38	78	148042	5.050	ug/L	100
34) Trichloroethene	6.18	95	40259	4.775	ug/L	98
35) Methylcyclohexane	6.41	83	62322	4.596	ug/L	95
37) 1,2-Dichloropropane	6.43	63	39466	5.204	ug/L	100
38) Bromodichloromethane	6.75	83	50566	5.187	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	58876	5.056	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	279915	51.864	ug/L	97
42) Toluene	7.63	91	160103	4.901	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	49260	5.299	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	28799	5.219	ug/L	98
47) Tetrachloroethene	8.22	164	33045	4.980	ug/L	98
48) 2-Hexanone	8.36	43	199976	51.849	ug/L	98
49) Dibromochloromethane	8.47	129	35064	4.968	ug/L	99
50) 1,2-Dibromoethane	8.58	107	27924	5.078	ug/L	100
51) Chlorobenzene	9.11	112	102588	5.009	ug/L	99
52) Ethylbenzene	9.24	91	175567	4.876	ug/L	100
53) m,p-Xylene	9.37	106	65110	4.770	ug/L	94
54) o-Xylene	9.77	106	63838	4.686	ug/L	93
55) Styrene	9.79	104	109311	4.878	ug/L	96
56) Isopropylbenzene	10.16	105	175513	4.884	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.45	83	37537	5.319	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	27159	5.453	ug/L	99
61) Bromoform	9.95	173	19787	4.500	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	86318	4.832	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	87893	4.840	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	84286	4.883	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	6062	5.002	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	71676	5.006	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	60080	5.204	ug/L	99
69) Naphthalene	13.74	128	95412	4.715	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	54618	4.751	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.505 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

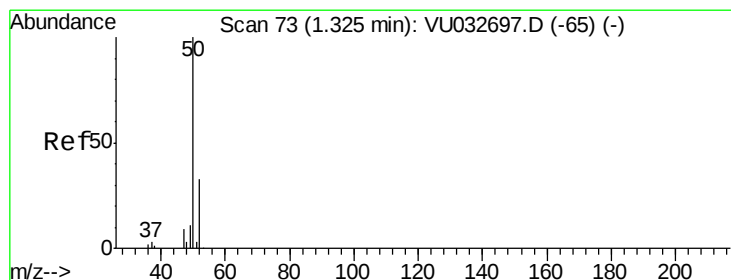
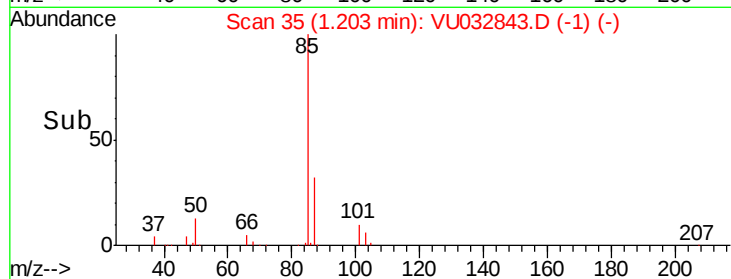
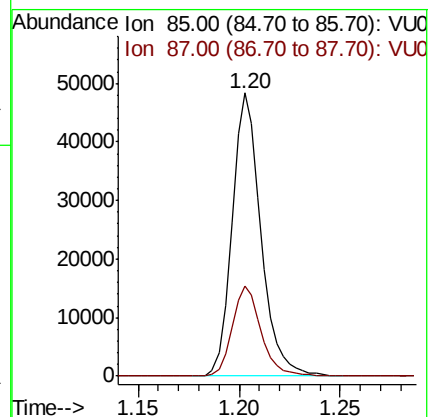
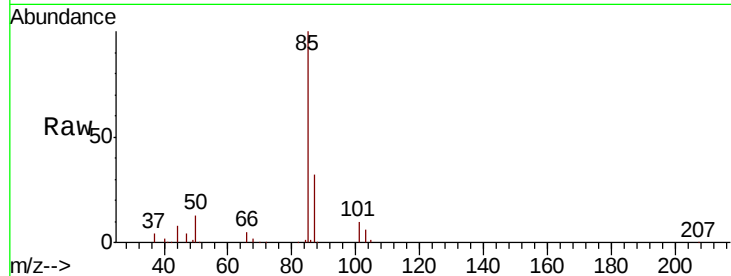
VSTD00528

Tgt Ion: 85 Resp: 48144

Ion Ratio Lower Upper

85 100

87 31.9 25.8 38.8



#3

Chloromethane

Concen: 5.031 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032843.D

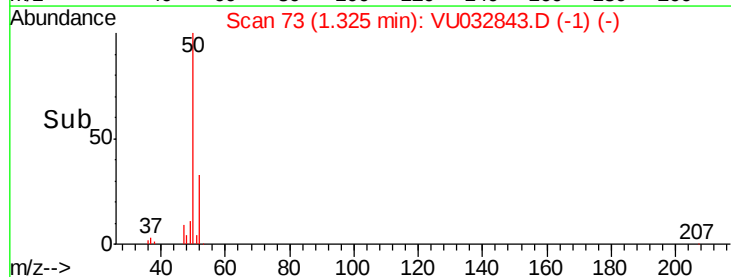
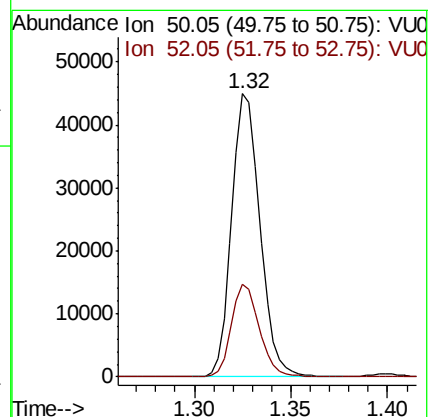
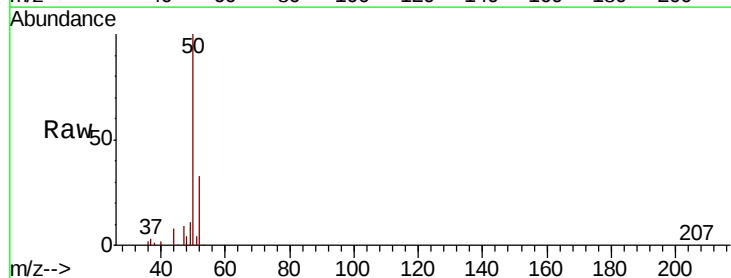
Acq: 19 Jun 2019 08:56

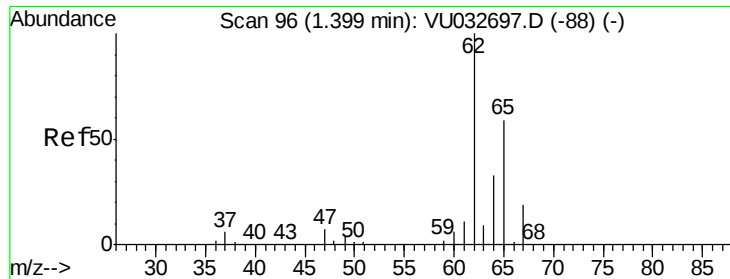
Tgt Ion: 50 Resp: 45634

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.2





#5

Vinyl chloride

Concen: 5.167 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

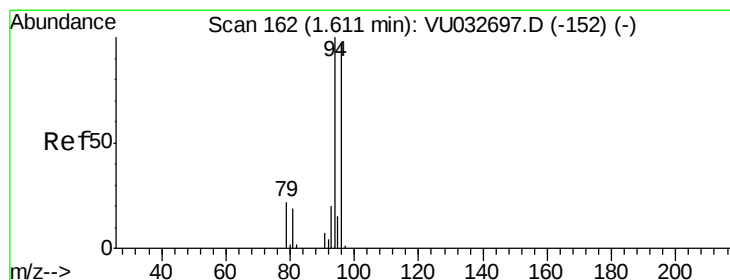
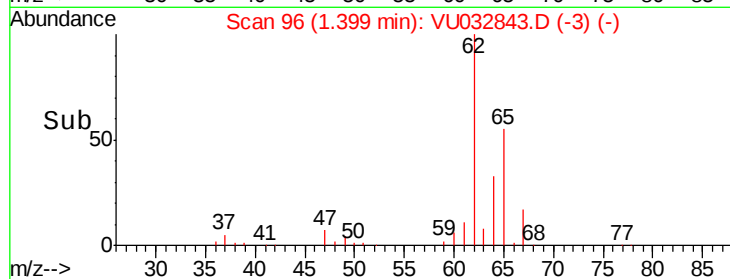
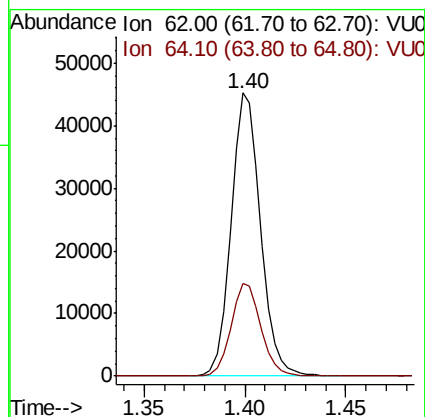
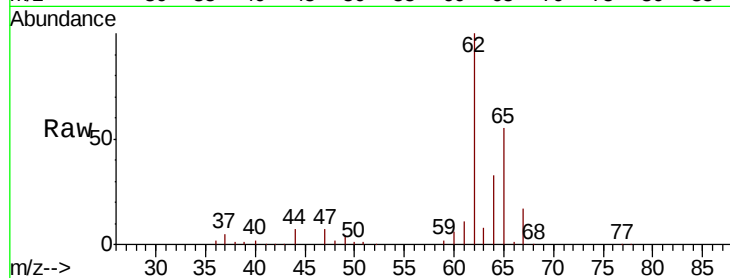
VSTD00528

Tgt Ion: 62 Resp: 46066

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 5.078 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU032843.D

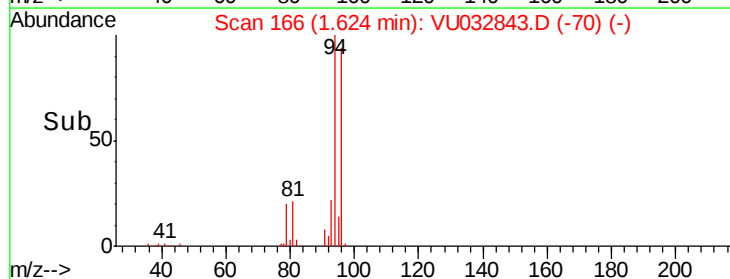
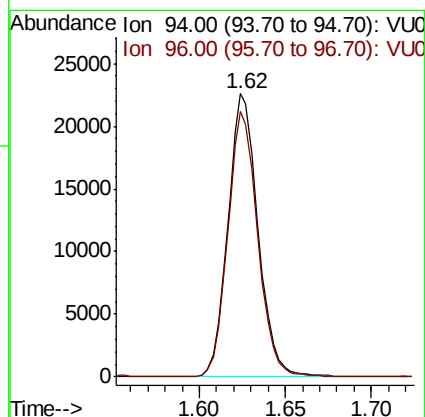
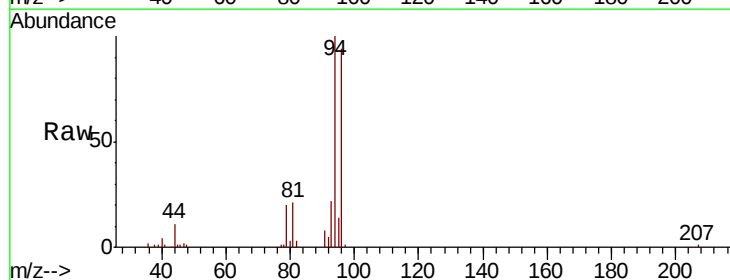
Acq: 19 Jun 2019 08:56

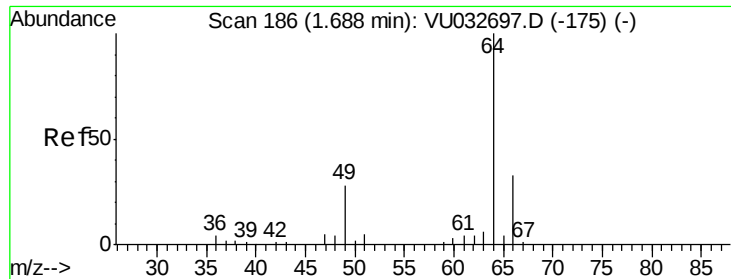
Tgt Ion: 94 Resp: 27614

Ion Ratio Lower Upper

94 100

96 93.6 65.5 121.6





#8

Chloroethane

Concen: 4.684 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

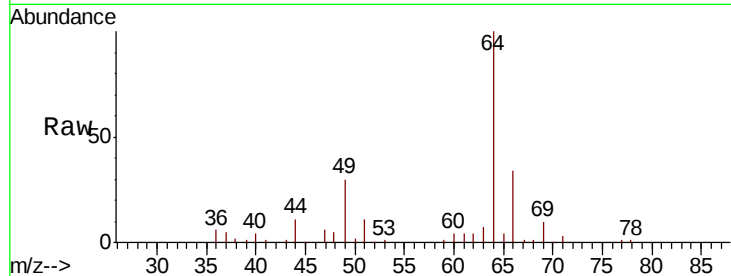
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tgt Ion: 64 Resp: 26678

Ion Ratio Lower Upper

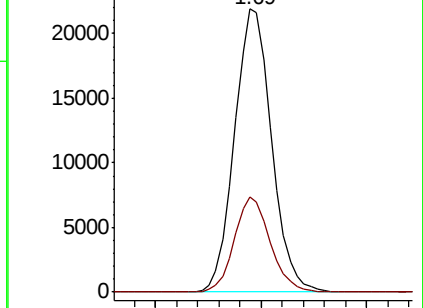
64 100

66 33.8 22.8 42.4

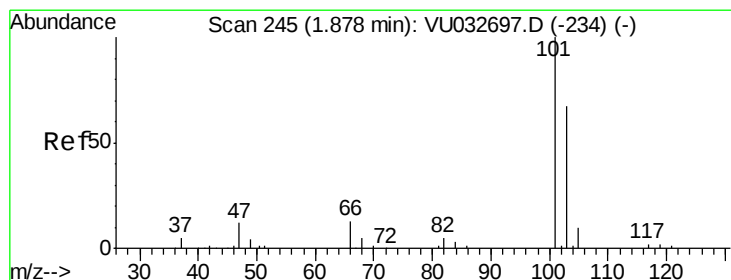
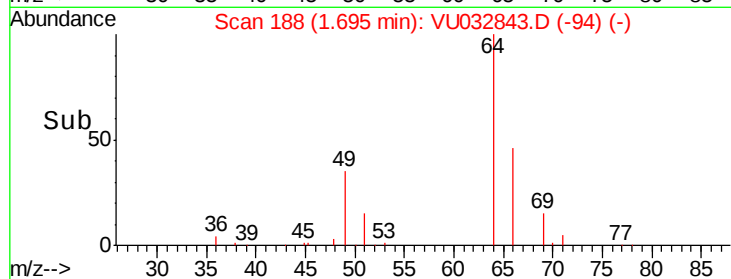


Abundance Ion 64.10 (63.80 to 64.80): VU032697.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU032697.D (-175) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 5.241 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU032843.D

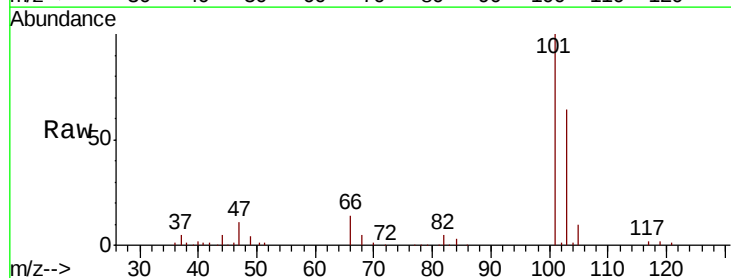
Acq: 19 Jun 2019 08:56

Tgt Ion: 101 Resp: 66872

Ion Ratio Lower Upper

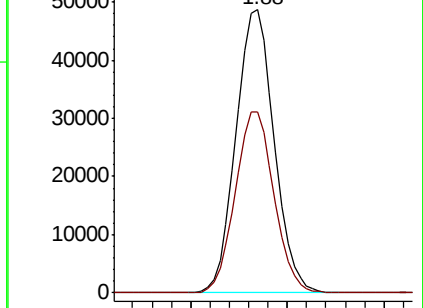
101 100

103 64.9 52.2 78.2

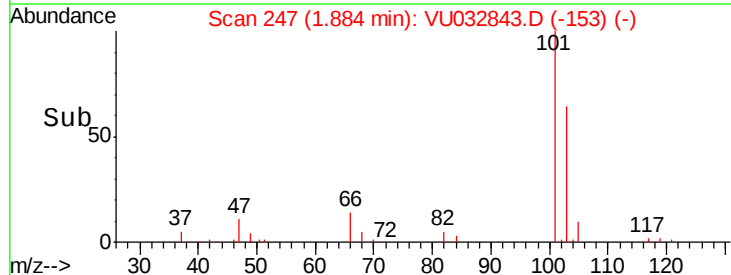


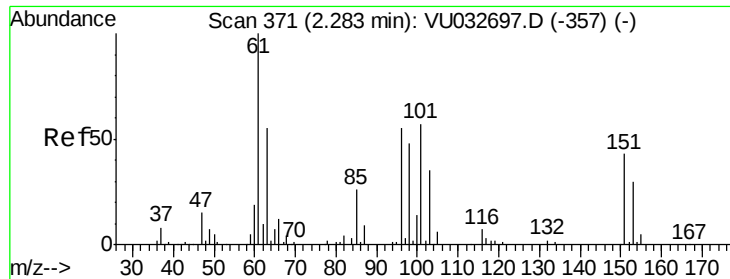
Abundance Ion 101.00 (100.70 to 101.70): VU032697.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU032697.D (-234) (-)



Time-->





#10

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

Concen: 5.122 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

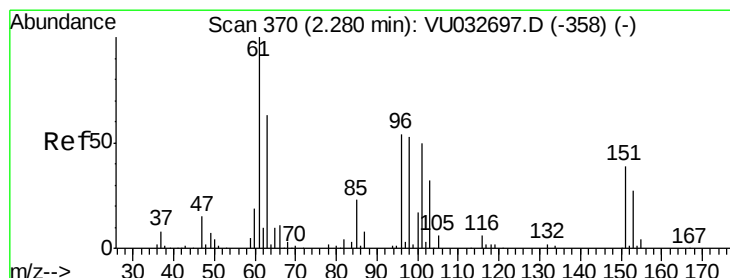
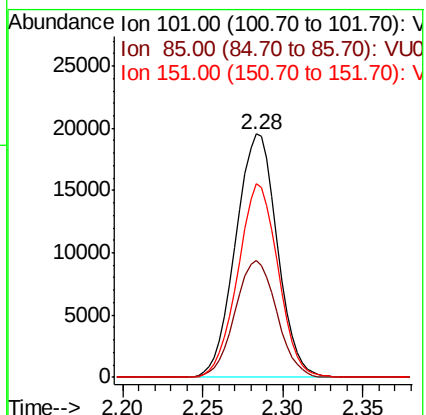
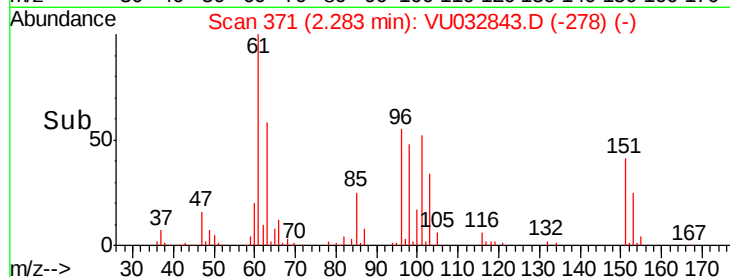
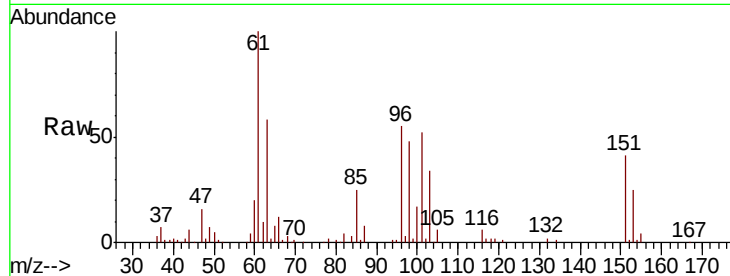
Tgt Ion:101 Resp: 34745

Ion Ratio Lower Upper

101 100

85 47.9 38.9 58.3

151 76.9 61.0 91.4



#12

1,1-Dichloroethene

Concen: 4.915 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

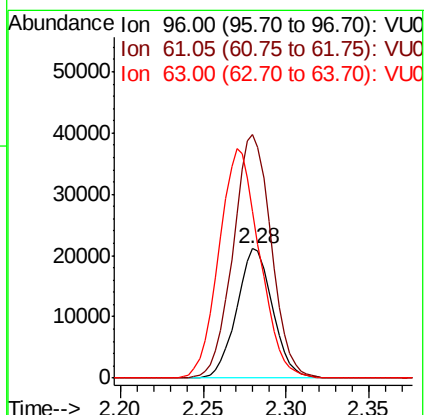
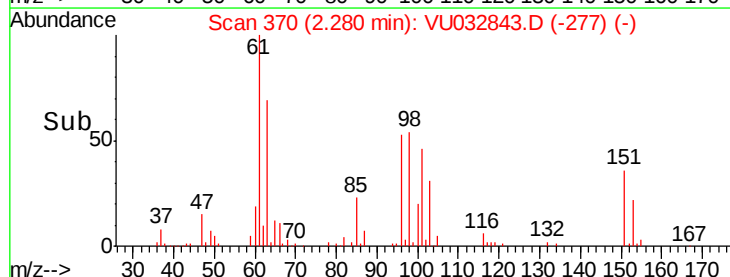
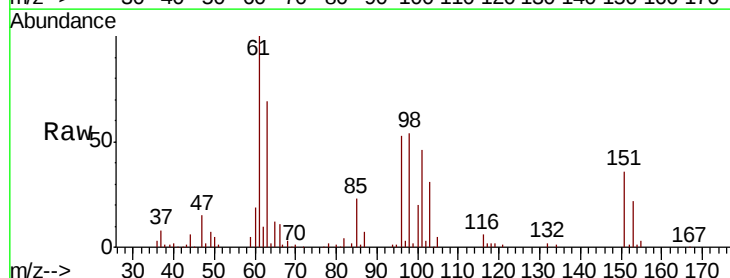
Tgt Ion: 96 Resp: 31831

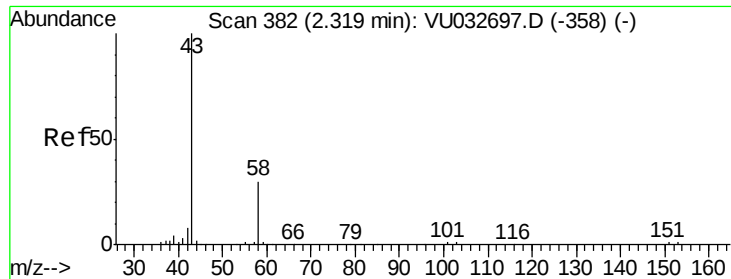
Ion Ratio Lower Upper

96 100

61 188.6 131.8 244.8

63 129.4 90.1 167.3





#13

Acetone

Concen: 53.920 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

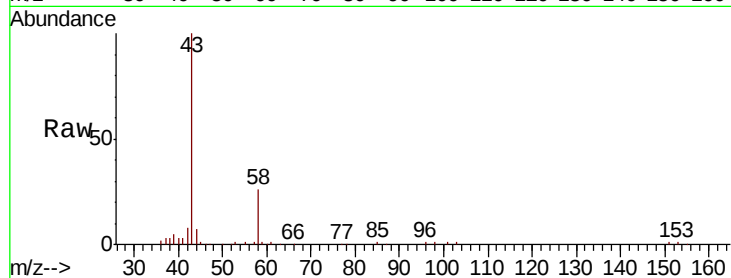
VSTD00528

Tgt Ion: 43 Resp: 77402

Ion Ratio Lower Upper

43 100

58 26.3 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032697.D (-358) (-)

Ion 58.05 (57.75 to 58.75): VU032697.D (-358) (-)

2.32

50000

40000

30000

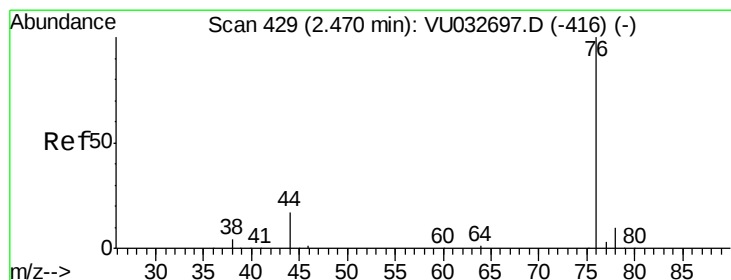
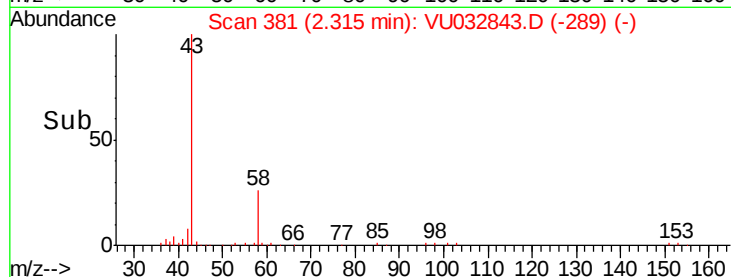
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.791 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032843.D

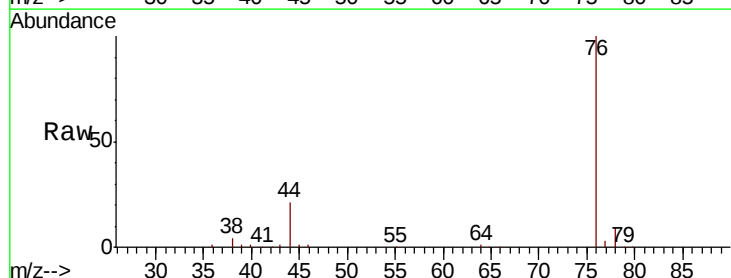
Acq: 19 Jun 2019 08:56

Tgt Ion: 76 Resp: 99361

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU032697.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032697.D (-416) (-)

2.47

60000

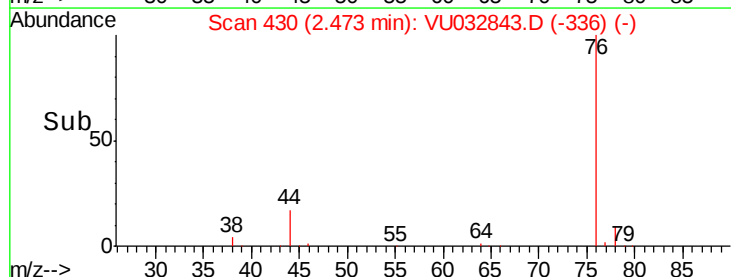
40000

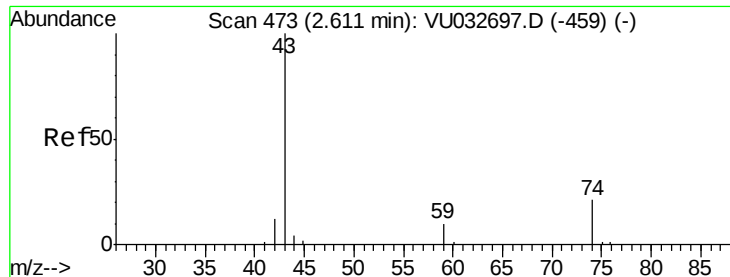
20000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 4.892 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

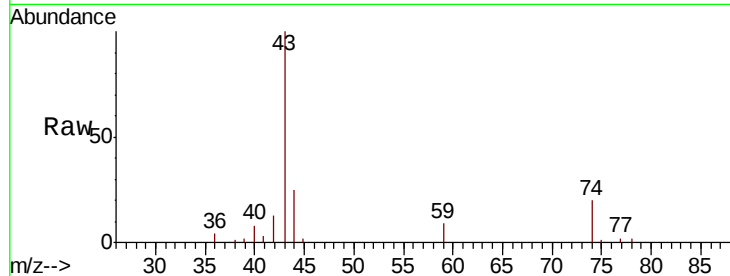
VSTD00528

Tgt Ion: 43 Resp: 19270

Ion Ratio Lower Upper

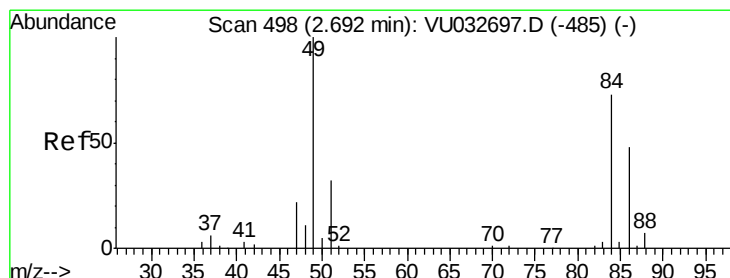
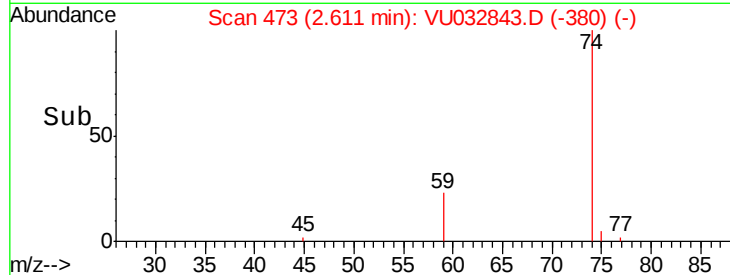
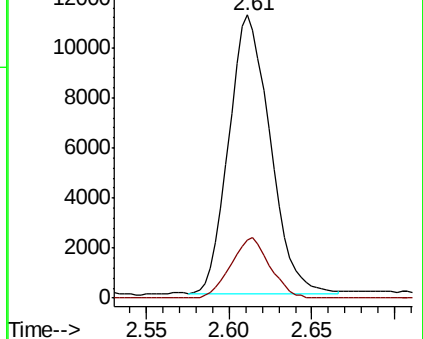
43 100

74 20.3 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU032697.D (-459) (-)

Ion 74.05 (73.75 to 74.75): VU032697.D (-459) (-)



#16

Methylene chloride

Concen: 4.870 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

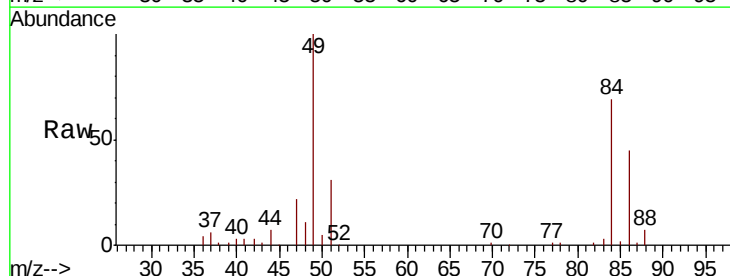
Tgt Ion: 84 Resp: 34978

Ion Ratio Lower Upper

84 100

86 65.3 47.2 87.6

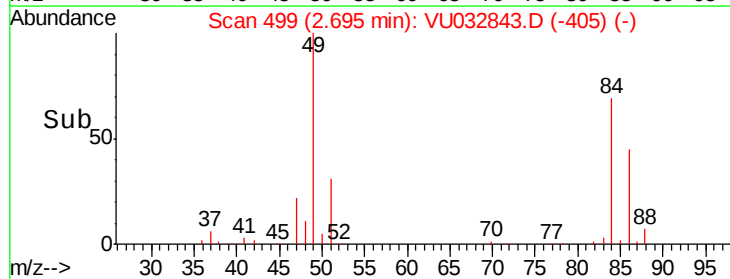
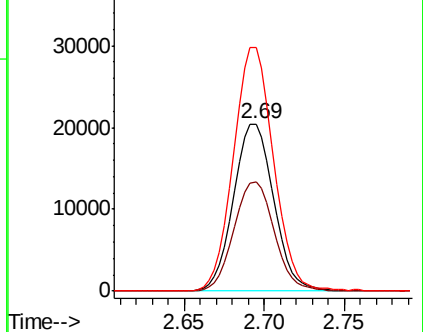
49 145.8 95.9 178.1

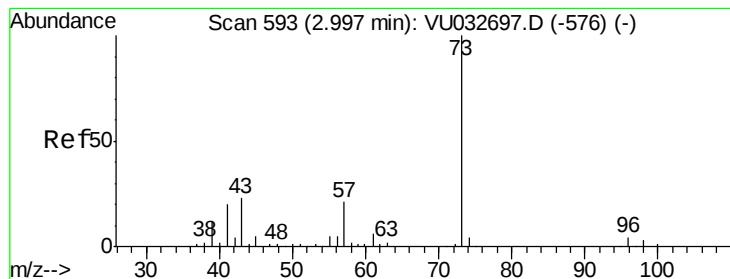


Abundance Ion 84.05 (83.75 to 84.75): VU032697.D (-485) (-)

Ion 86.00 (85.70 to 86.70): VU032697.D (-485) (-)

Ion 49.10 (48.80 to 49.80): VU032697.D (-485) (-)





#17

Methyl tert-butyl Ether

Concen: 4.949 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

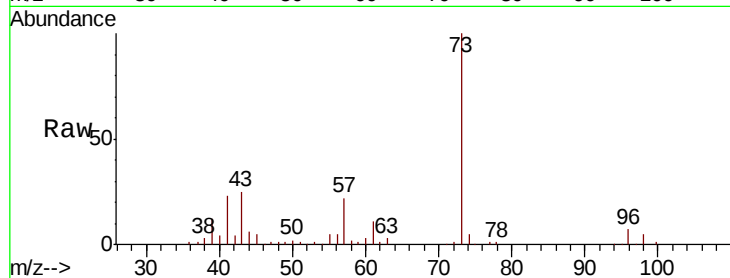
Tgt Ion: 73 Resp: 93743

Ion Ratio Lower Upper

73 100

43 24.2 18.6 27.8

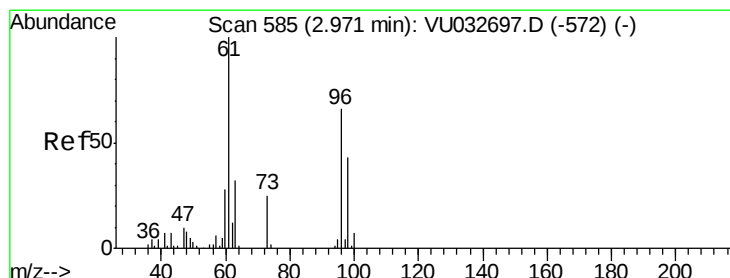
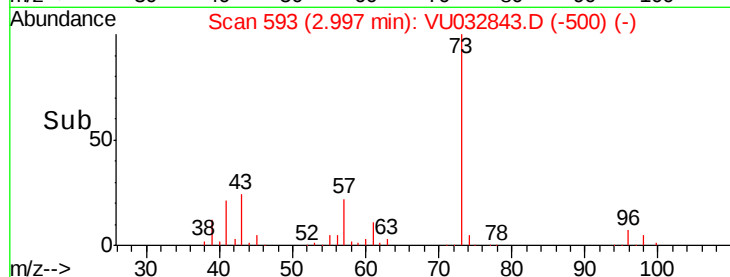
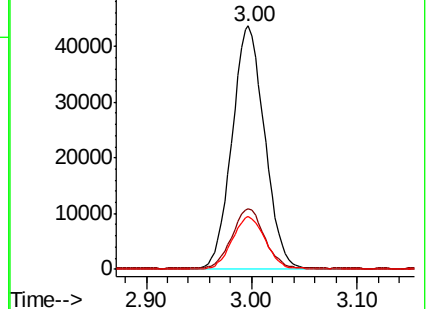
57 21.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU032697.D (-576) (-)

Ion 43.05 (42.75 to 43.75): VU032697.D (-576) (-)

Ion 57.10 (56.80 to 57.80): VU032697.D (-576) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.973 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

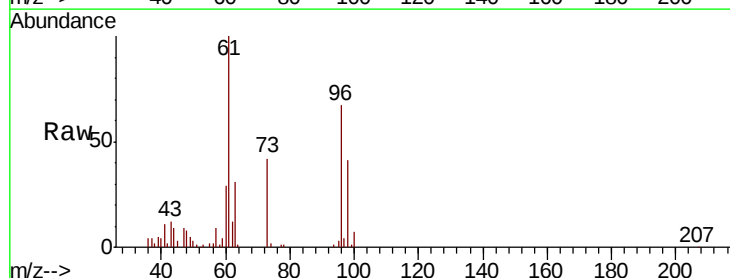
Tgt Ion: 96 Resp: 34750

Ion Ratio Lower Upper

96 100

61 149.2 103.1 191.5

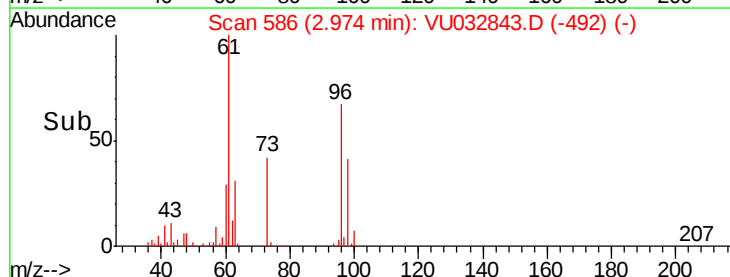
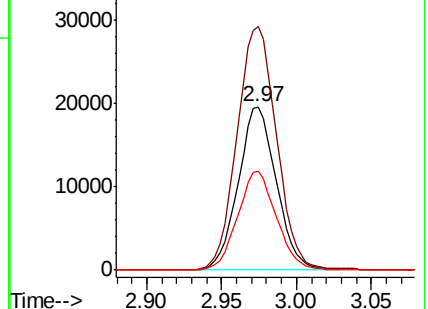
98 60.6 43.7 81.1

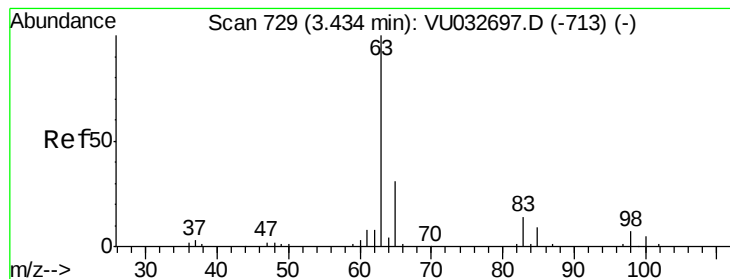


Abundance Ion 96.00 (95.70 to 96.70): VU032697.D (-572) (-)

Ion 61.05 (60.75 to 61.75): VU032697.D (-572) (-)

Ion 97.95 (97.65 to 98.65): VU032697.D (-572) (-)

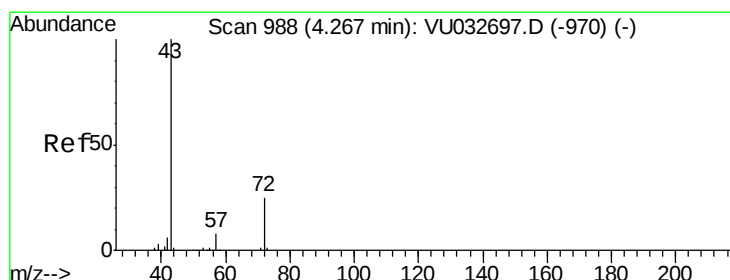
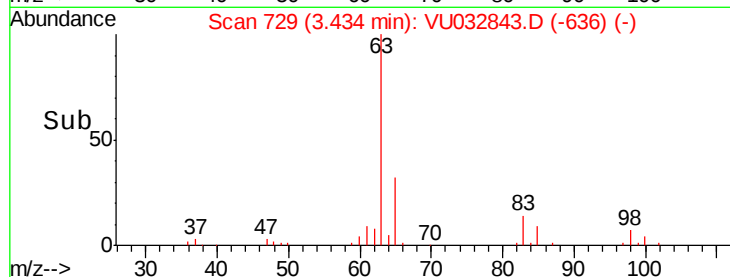
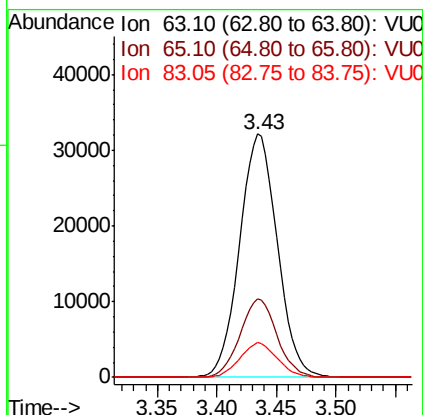
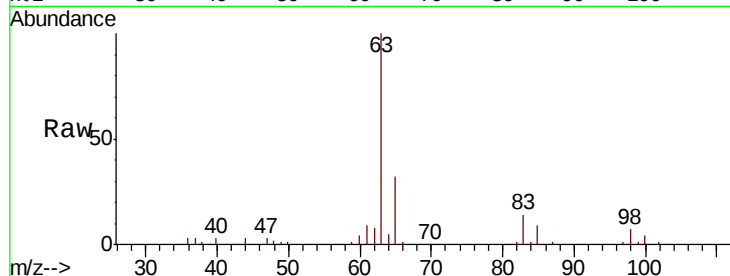




#19
 1,1-Dichloroethane
 Concen: 5.650 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

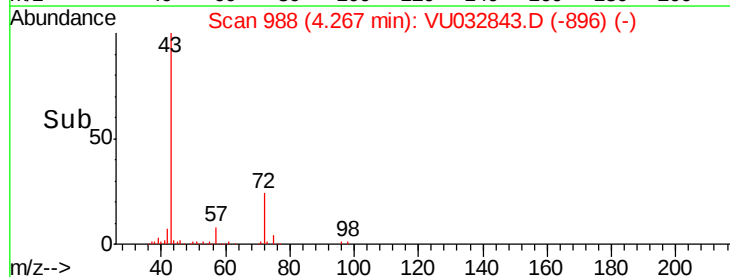
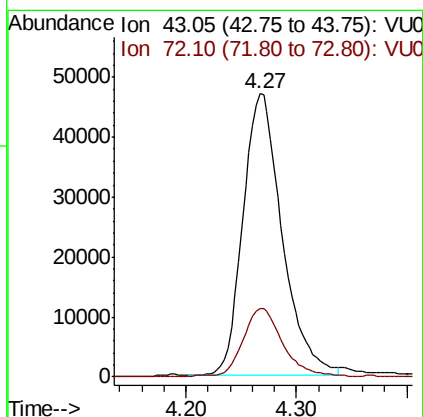
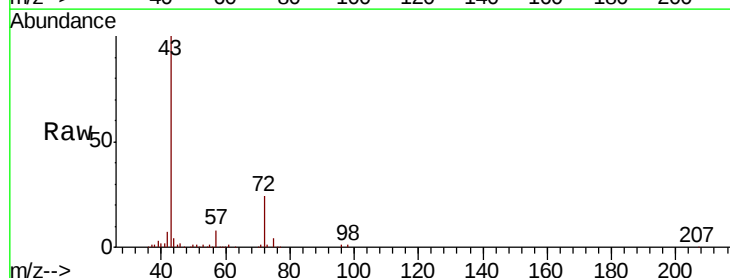
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

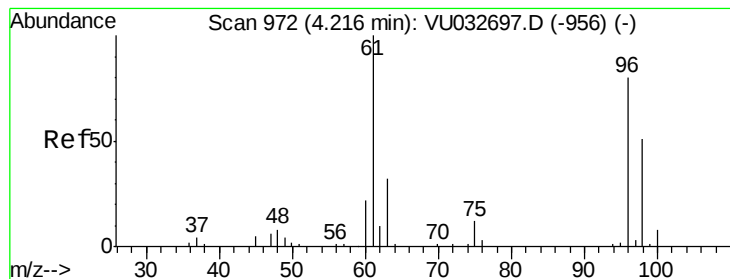
Tgt Ion: 63 Resp: 70672
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.3 39.6
 83 14.2 10.1 18.7



#21
 2-Butanone
 Concen: 55.275 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Tgt Ion: 43 Resp: 115404
 Ion Ratio Lower Upper
 43 100
 72 25.1 13.1 39.3



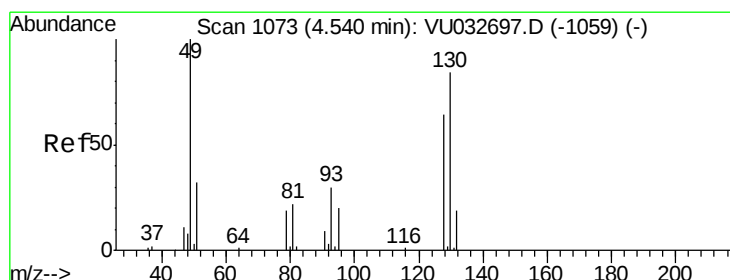
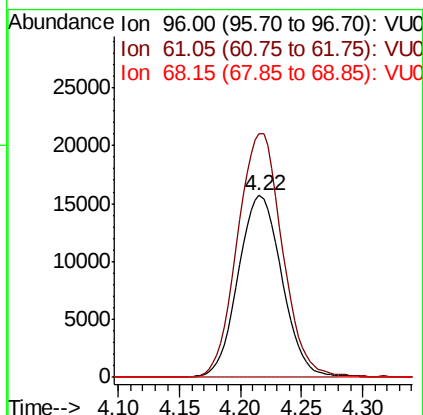
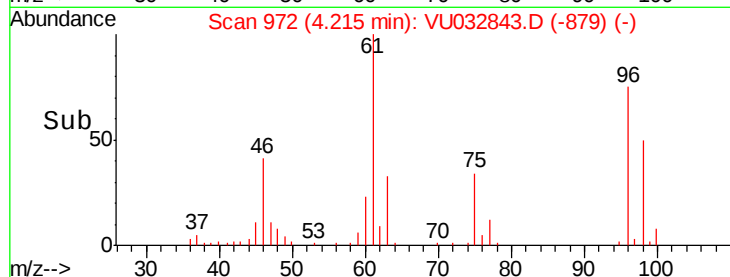
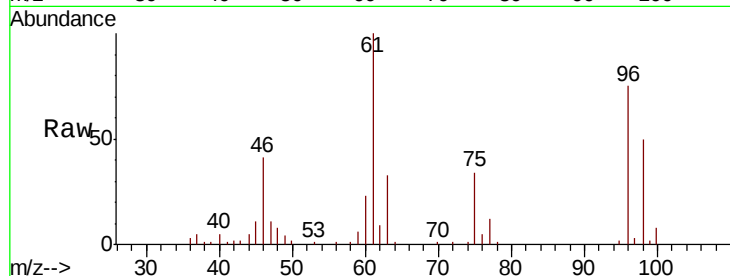


#22

cis-1,2-Dichloroethene
Concen: 4.927 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU032843.D
Acq: 19 Jun 2019 08:56

Instrument :
MSVOA_U
ClientSampled :
VSTD00528

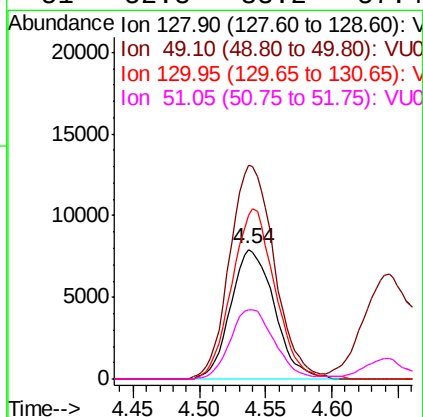
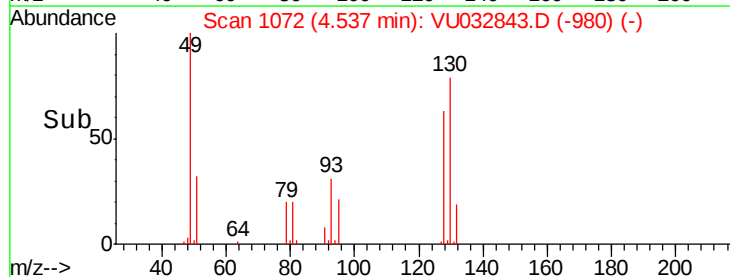
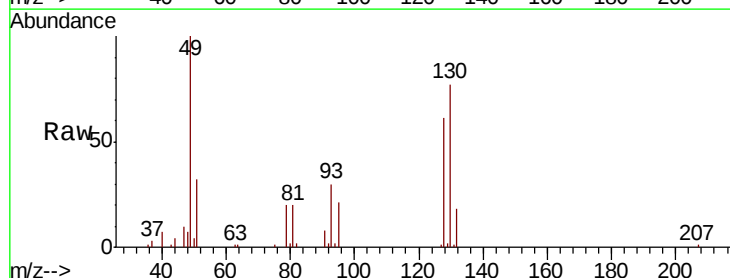
Tgt Ion: 96 Resp: 38964
Ion Ratio Lower Upper
96 100
61 134.0 86.6 160.8
68 0.0 0.0 0.0

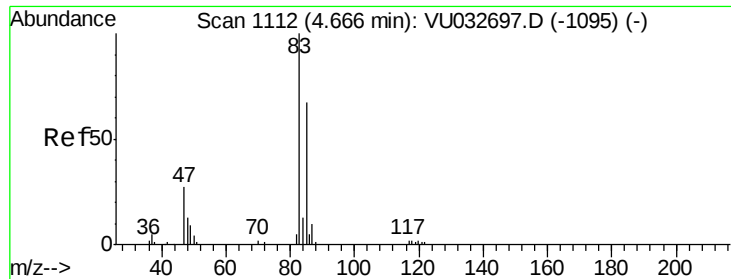


#23

Bromochloromethane
Concen: 5.356 ug/L
RT: 4.54 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VU032843.D
Acq: 19 Jun 2019 08:56

Tgt Ion: 128 Resp: 18230
Ion Ratio Lower Upper
128 100
49 164.5 107.8 200.2
130 126.1 89.3 165.9
51 52.8 38.2 57.4





#25

Chloroform

Concen: 5.557 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

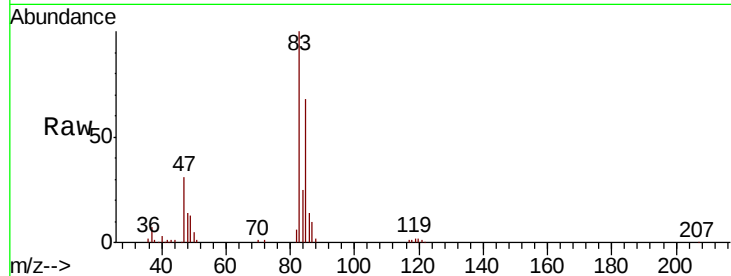
VSTD00528

Tgt Ion: 83 Resp: 71007

Ion Ratio Lower Upper

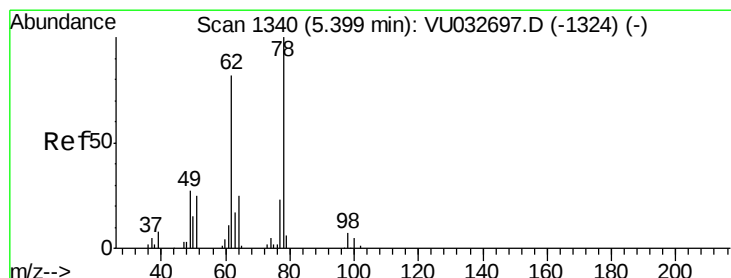
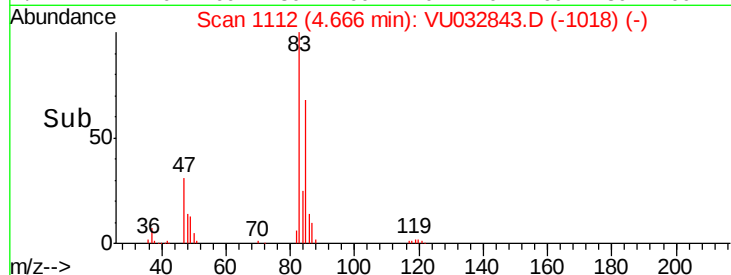
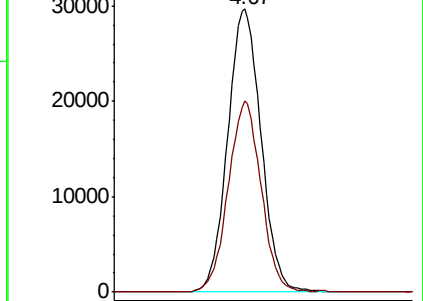
83 100

85 67.7 43.8 81.3



Abundance Ion 83.05 (82.75 to 83.75): VU032697.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU032697.D (-1095) (-)



#27

1,2-Dichloroethane

Concen: 5.920 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU032843.D

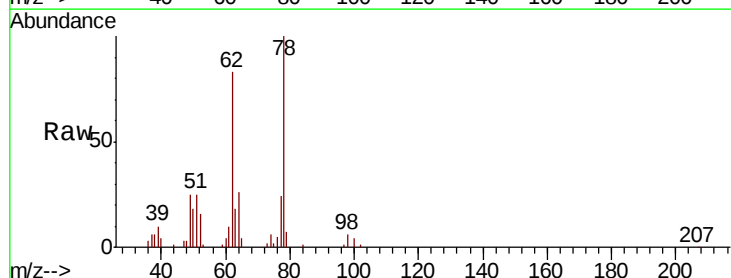
Acq: 19 Jun 2019 08:56

Tgt Ion: 62 Resp: 49712

Ion Ratio Lower Upper

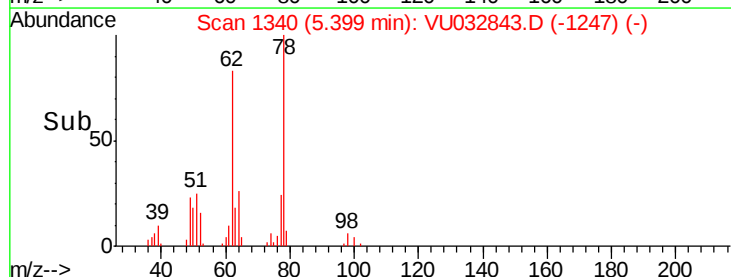
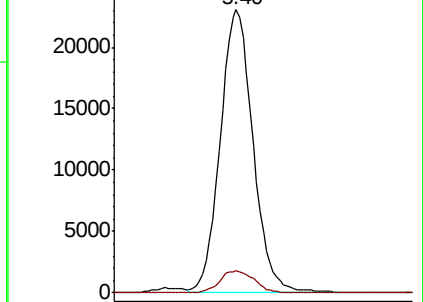
62 100

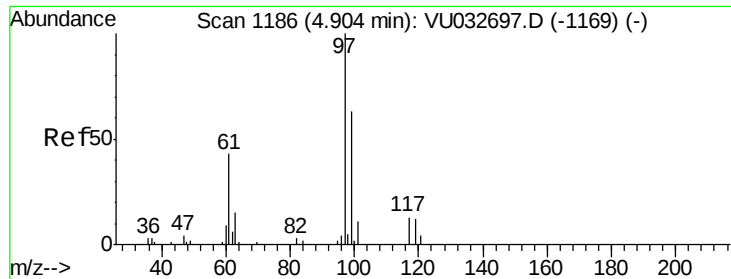
98 7.7 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU032697.D (-1324) (-)

Ion 98.05 (97.75 to 98.75): VU032697.D (-1324) (-)

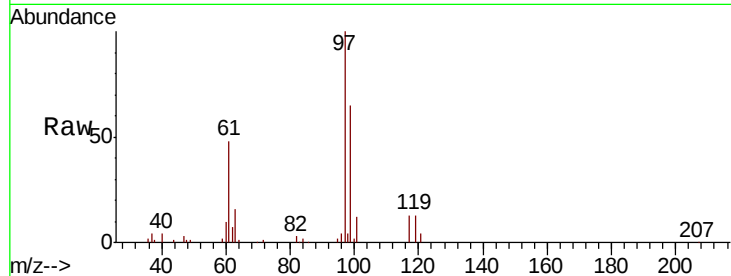




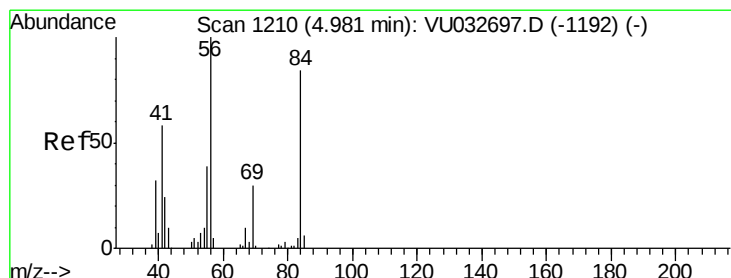
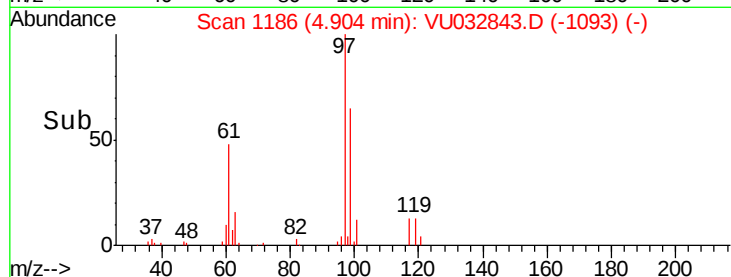
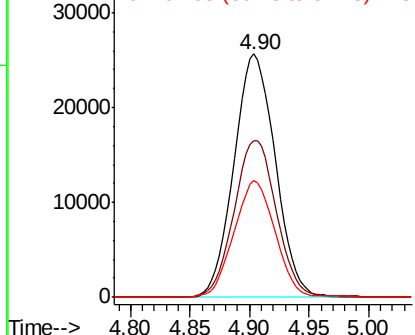
#29
 1,1,1-Trichloroethane
 Concen: 5.105 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion: 97 Resp: 61849
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.8 77.6
 61 47.8 34.7 52.1

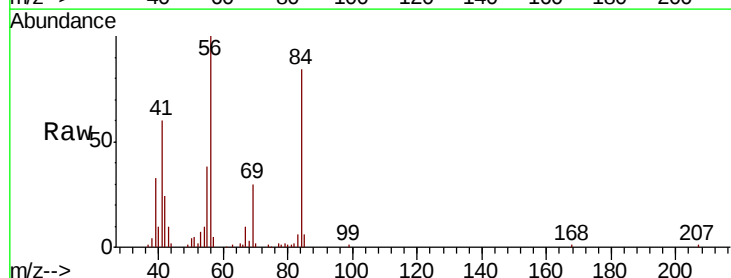


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

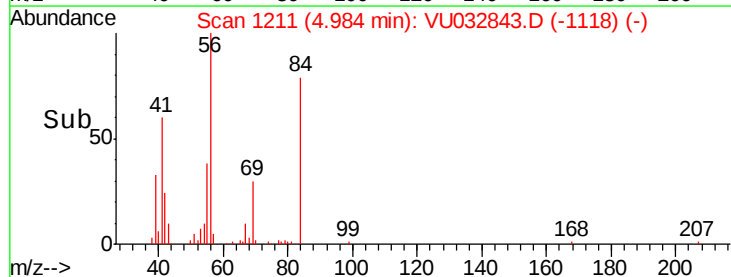
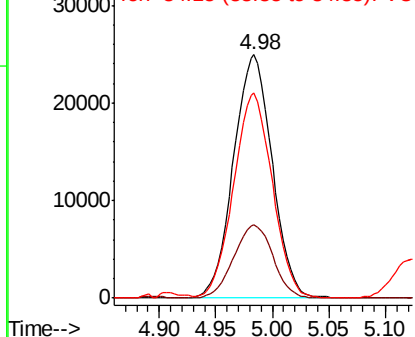


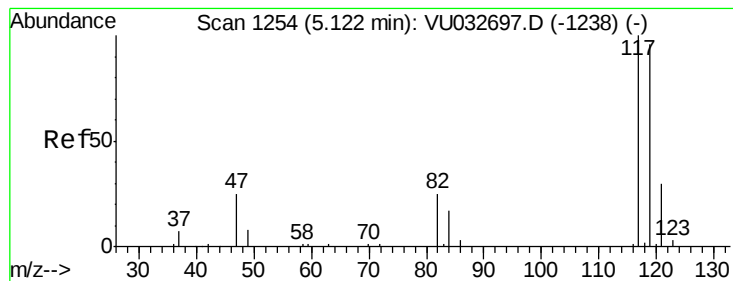
#30
 Cyclohexane
 Concen: 4.634 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Tgt Ion: 56 Resp: 59338
 Ion Ratio Lower Upper
 56 100
 69 30.4 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: 5.034 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

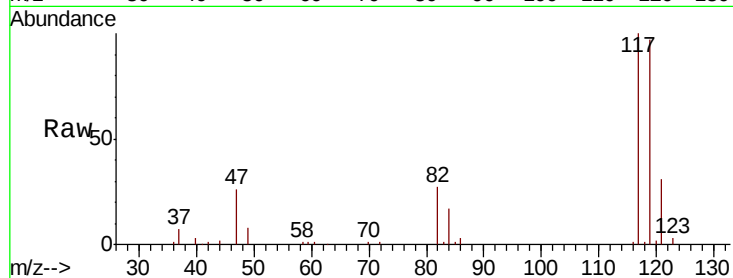
VSTD00528

Tgt Ion:117 Resp: 55450

Ion Ratio Lower Upper

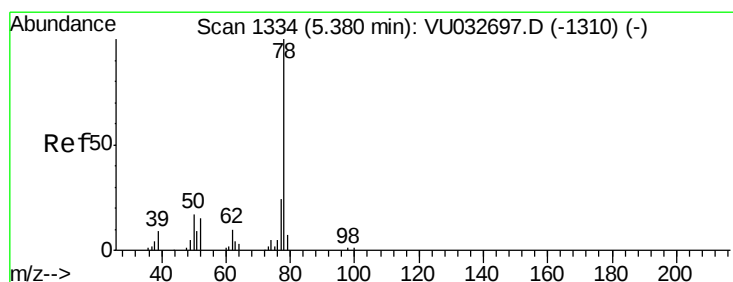
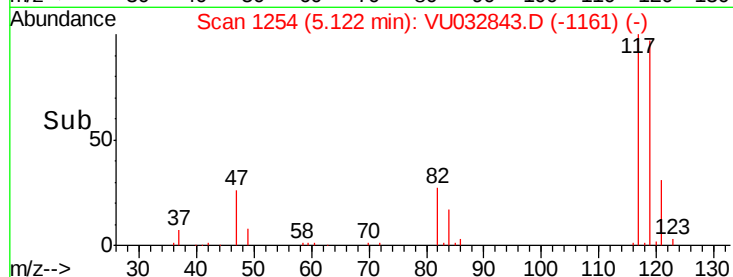
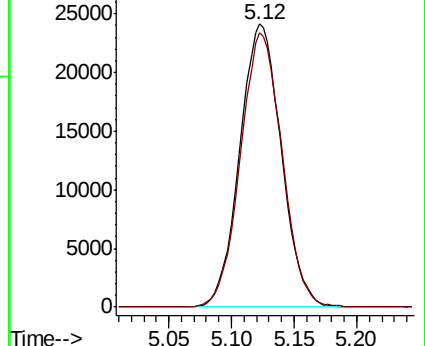
117 100

119 97.0 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: 5.050 ug/L

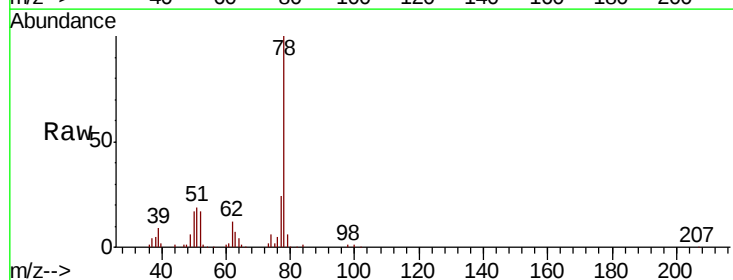
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

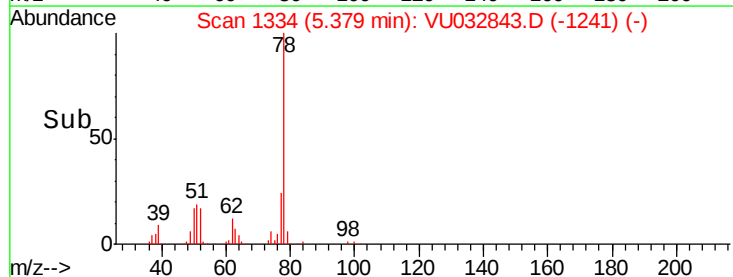
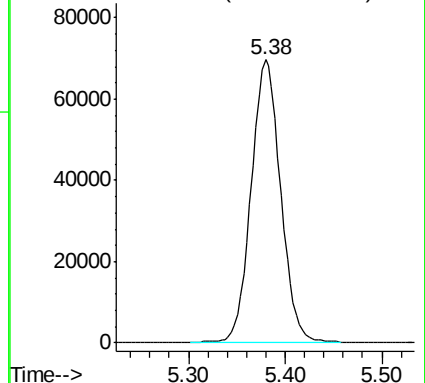
Lab File: VU032843.D

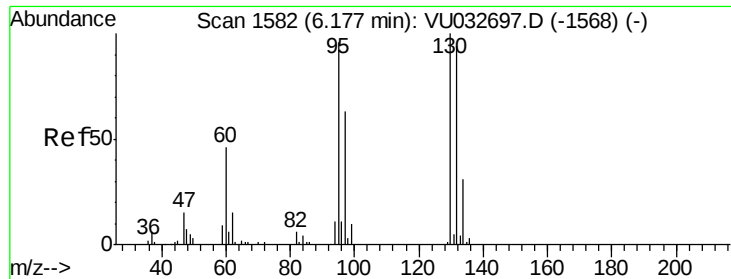
Acq: 19 Jun 2019 08:56

Tgt Ion: 78 Resp: 148042



Abundance Ion 78.10 (77.80 to 78.80): VU0

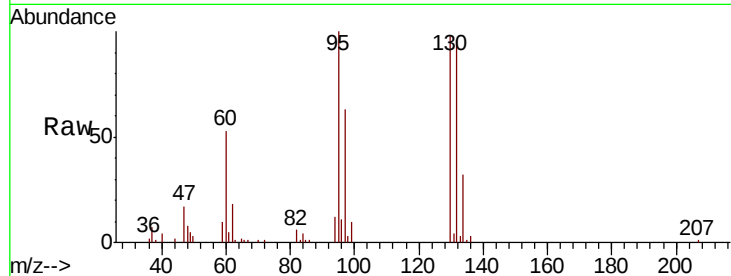




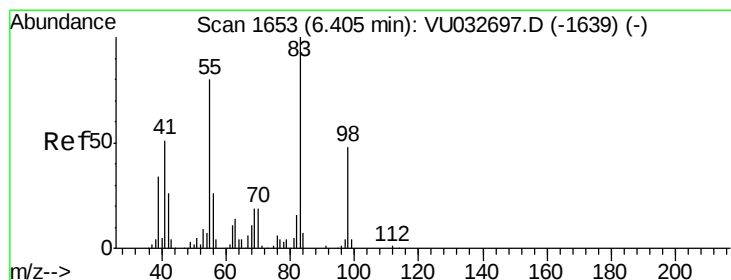
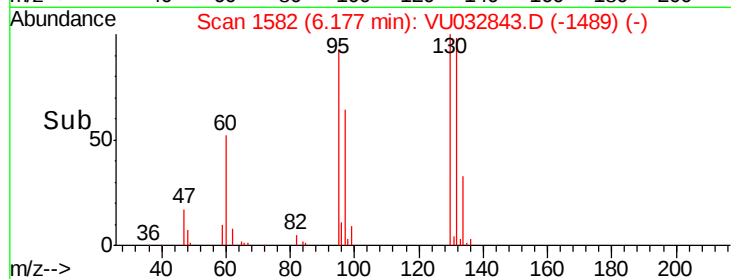
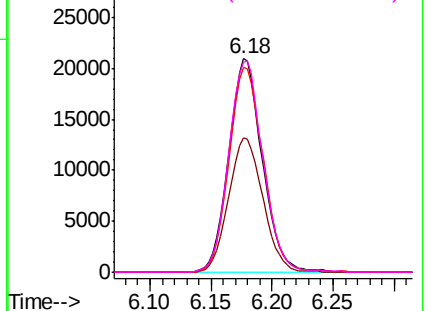
#34
 Trichloroethene
 Concen: 4.775 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion:	95	Resp:	40259
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.1	81.9
132	95.8	68.8	127.8
130	98.1	71.0	131.8

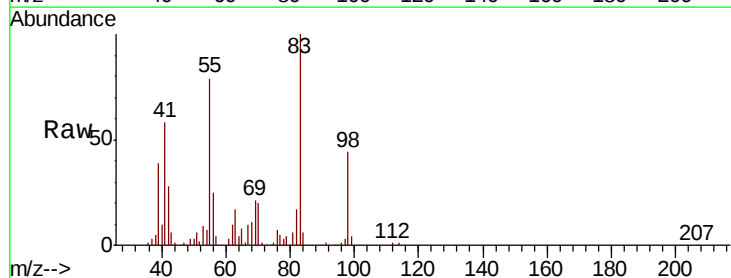


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

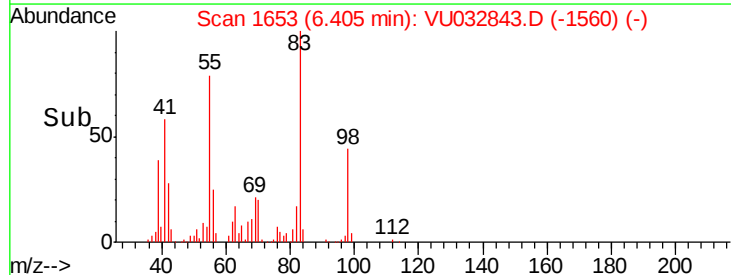
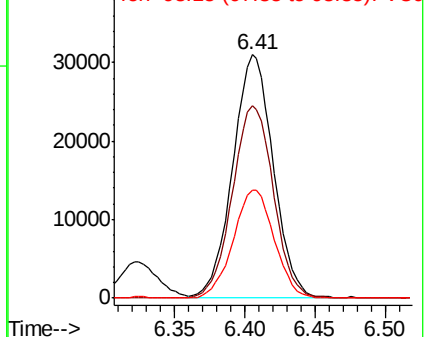


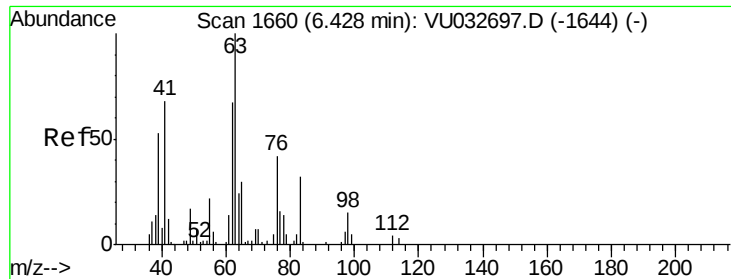
#35
 Methylcyclohexane
 Concen: 4.596 ug/L
 RT: 6.41 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Tgt Ion:	83	Resp:	62322
Ion	Ratio	Lower	Upper
83	100		
55	79.9	60.0	90.0
98	45.0	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

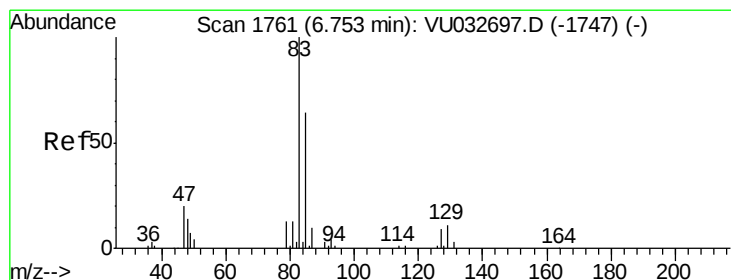
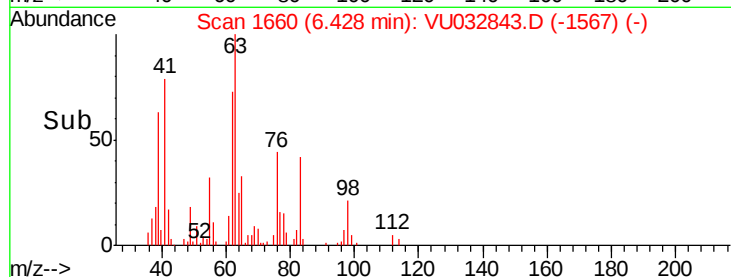
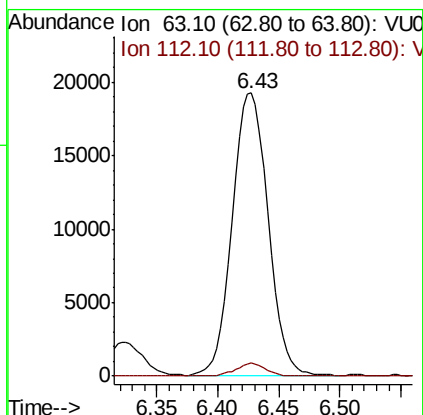
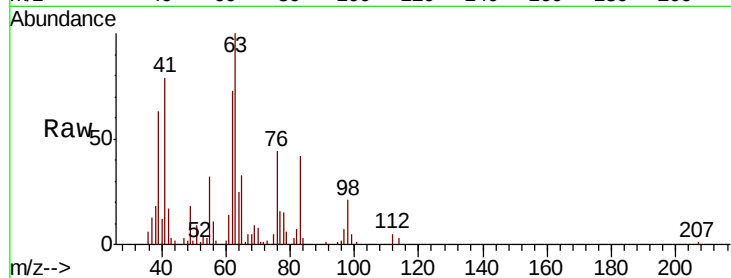




#37
 1,2-Dichloropropane
 Concen: 5.204 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

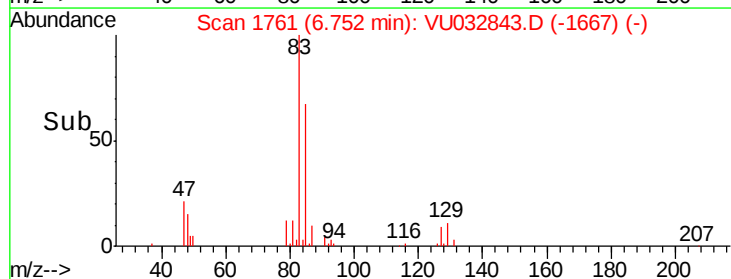
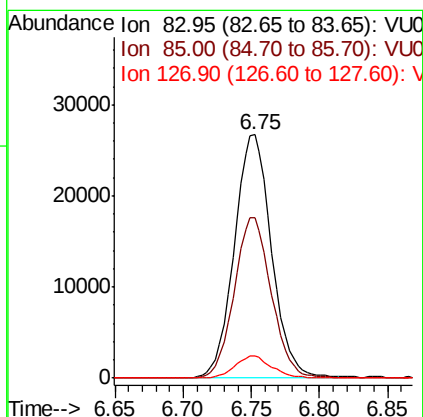
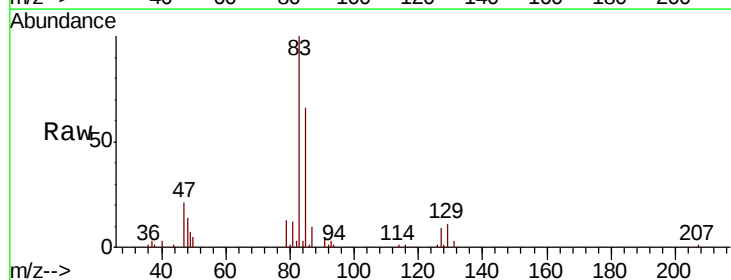
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

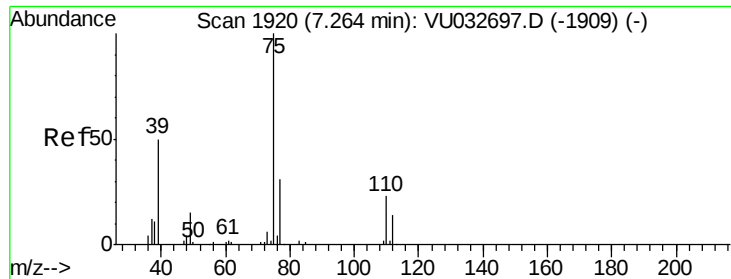
Tgt Ion: 63 Resp: 39466
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.187 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Tgt Ion: 83 Resp: 50566
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.2 84.0
 127 9.3 7.4 11.2

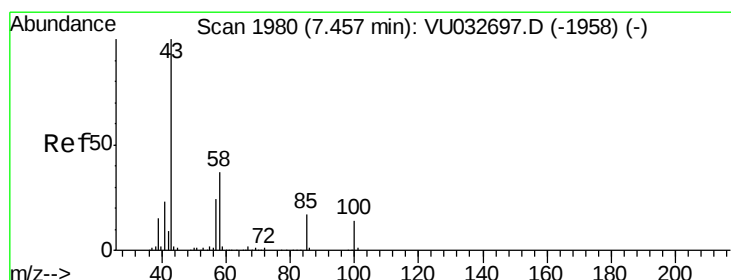
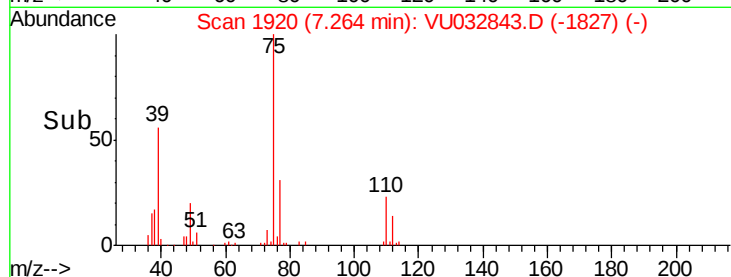
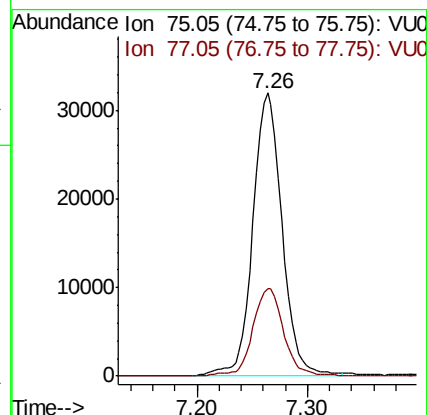
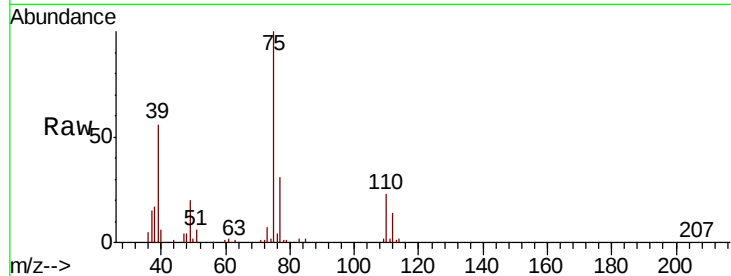




#39
 cis-1,3-Dichloropropene
 Concen: 5.056 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

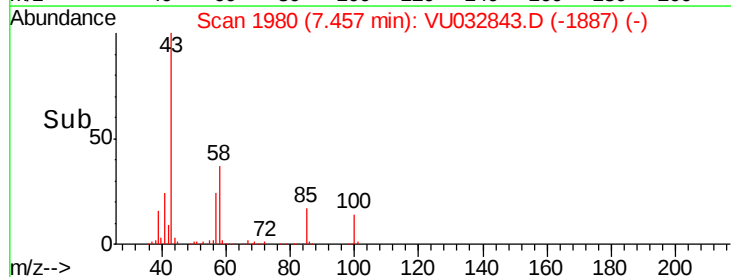
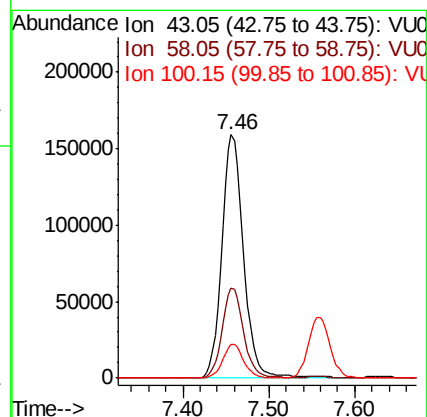
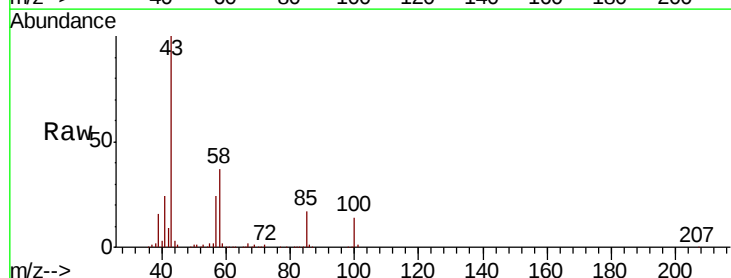
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

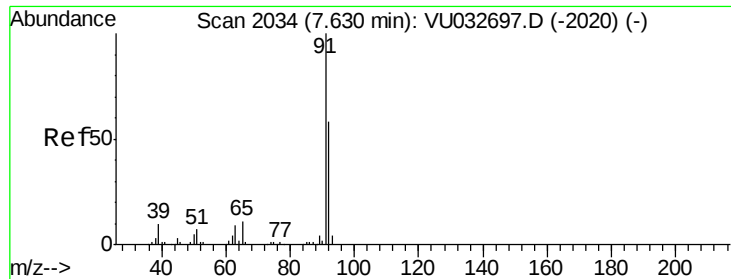
Tgt Ion: 75 Resp: 58876
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 51.864 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Tgt Ion: 43 Resp: 279915
 Ion Ratio Lower Upper
 43 100
 58 36.5 30.9 46.3
 100 13.5 11.9 17.9





#42

Toluene

Concen: 4.901 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

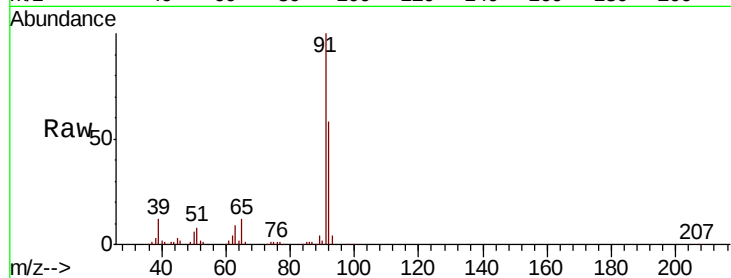
VSTD00528

Tgt Ion: 91 Resp: 160103

Ion Ratio Lower Upper

91 100

92 57.5 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032697.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032697.D (-2020) (-)

7.63

100000

80000

60000

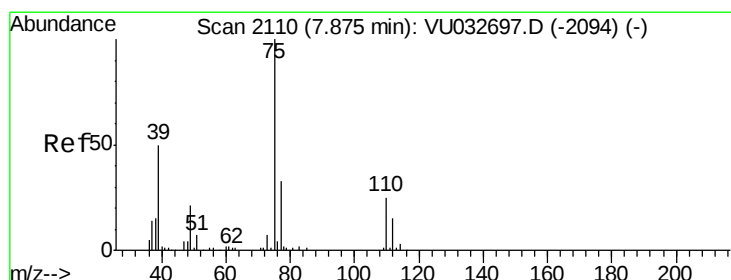
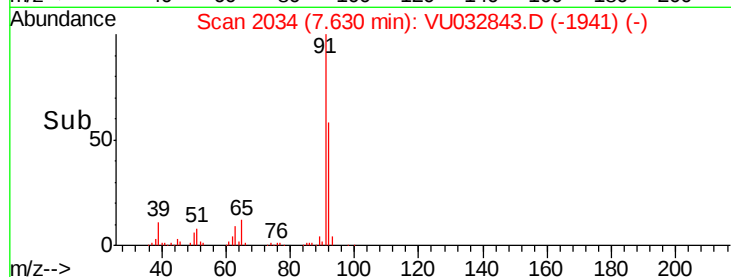
40000

20000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.299 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032843.D

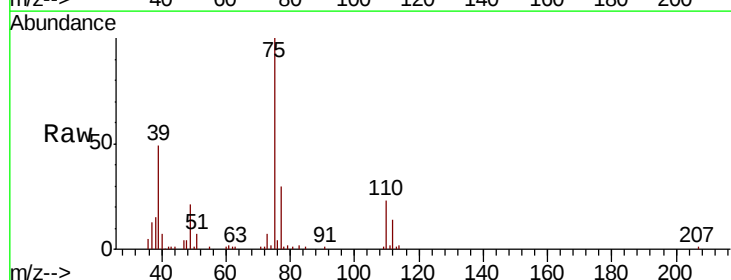
Acq: 19 Jun 2019 08:56

Tgt Ion: 75 Resp: 49260

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032697.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032697.D (-2094) (-)

7.87

30000

25000

20000

15000

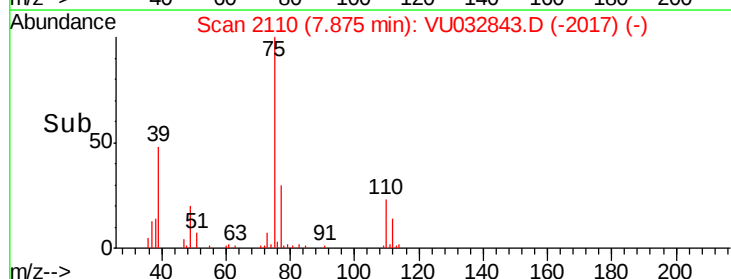
10000

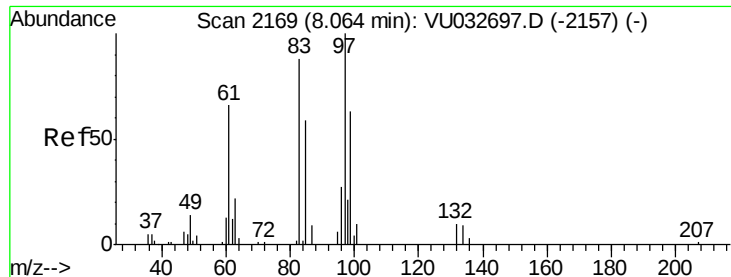
5000

0

7.80 7.85 7.90 7.95

Time-->

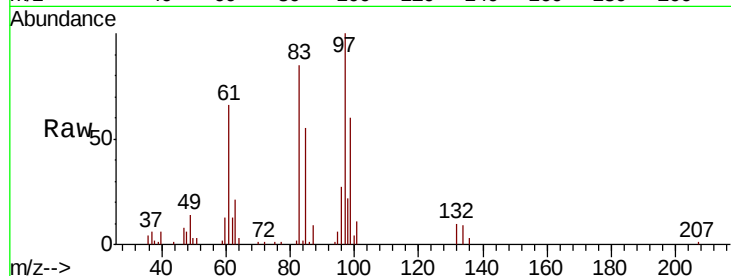




#45
 1,1,2-Trichloroethane
 Concen: 5.219 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion:	97	Resp:	28799
Ion	Ratio	Lower	Upper
97	100		
99	60.2	44.9	83.3
83	84.6	58.7	108.9
85	54.8	37.9	70.5



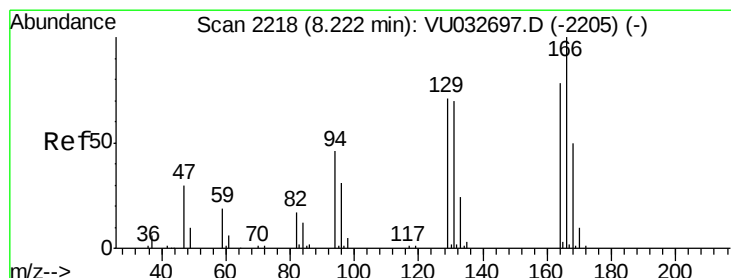
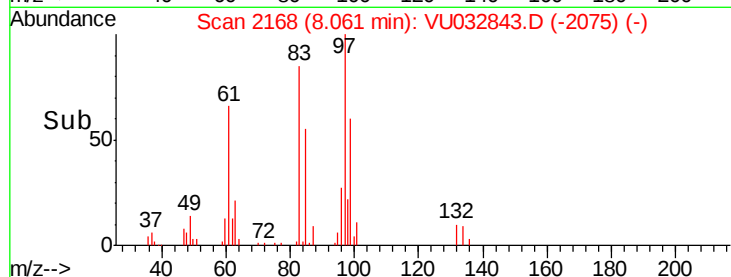
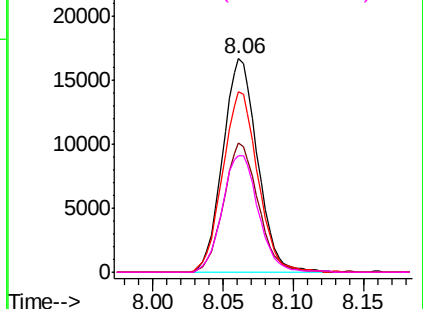
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

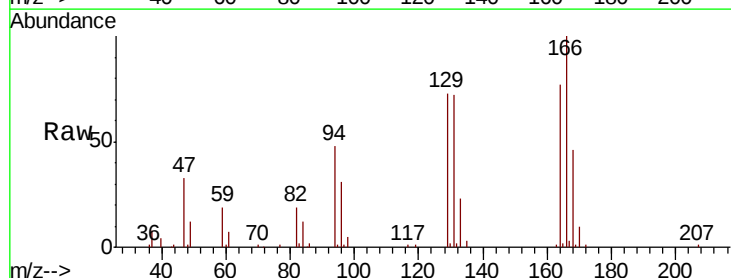
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.980 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Tgt Ion:	164	Resp:	33045
Ion	Ratio	Lower	Upper
164	100		
129	95.0	66.1	122.7
131	93.2	65.6	121.8
166	129.5	93.2	173.2



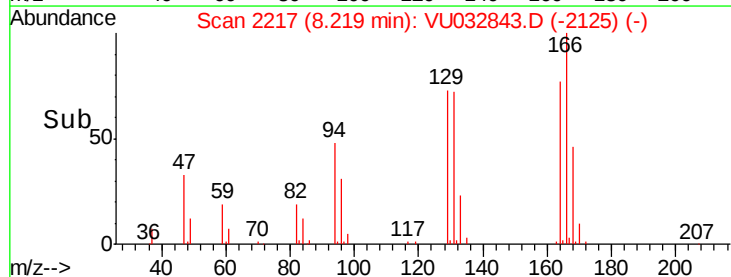
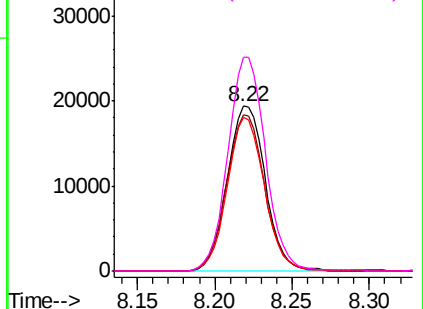
Abundance

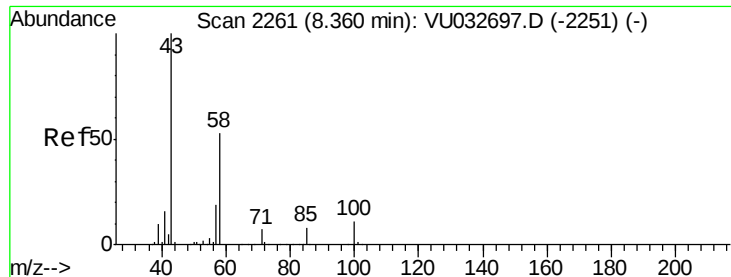
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

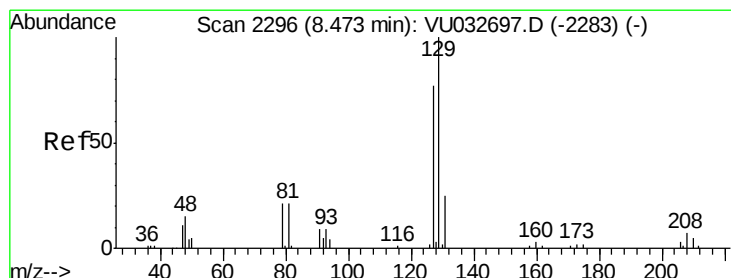
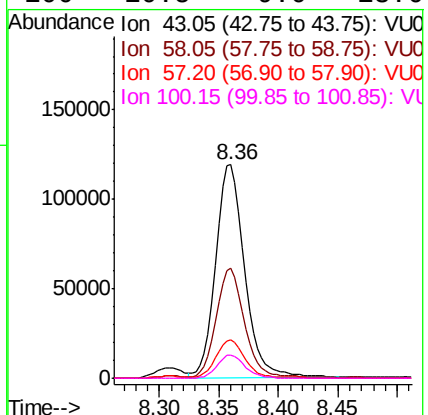
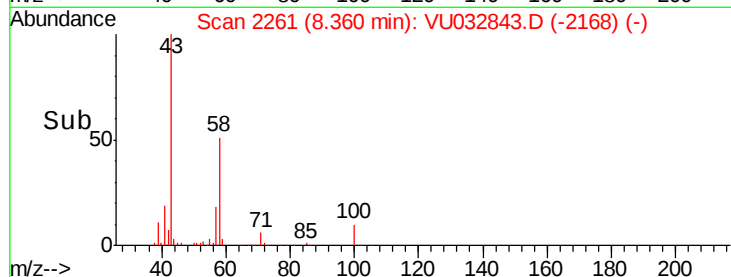
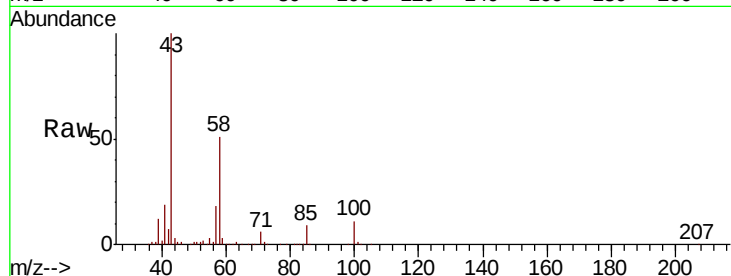




#48
2-Hexanone
Concen: 51.849 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032843.D
Acq: 19 Jun 2019 08:56

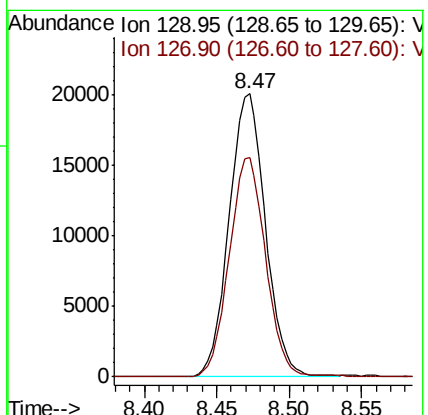
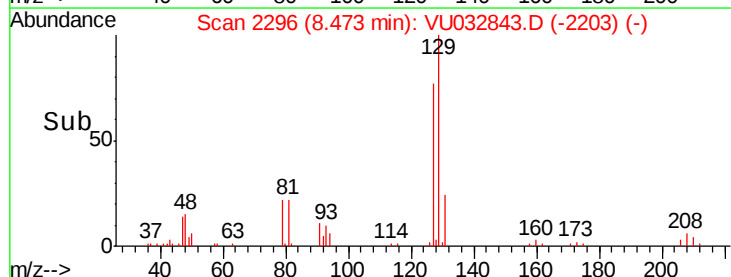
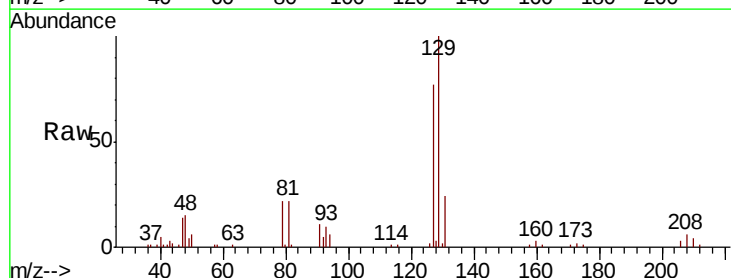
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

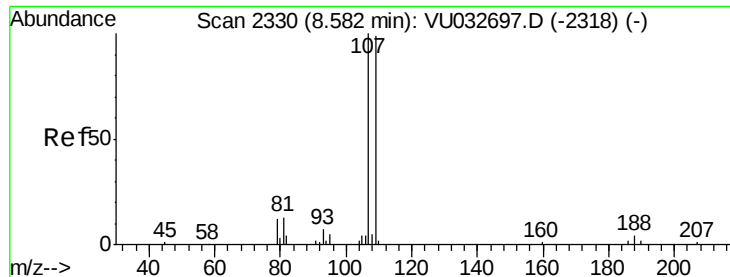
Tgt Ion: 43 Resp: 199976
Ion Ratio Lower Upper
43 100
58 50.8 41.9 62.9
57 18.3 15.1 22.7
100 10.5 9.0 13.6



#49
Dibromochloromethane
Concen: 4.968 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032843.D
Acq: 19 Jun 2019 08:56

Tgt Ion: 129 Resp: 35064
Ion Ratio Lower Upper
129 100
127 77.3 53.3 98.9

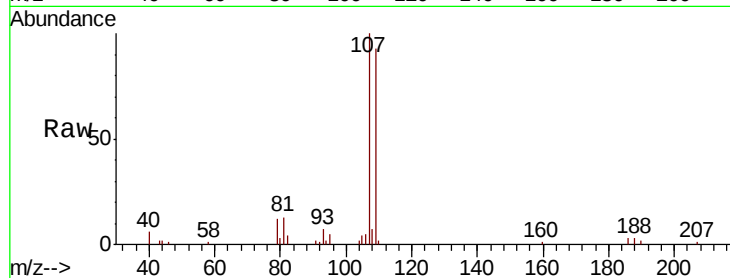




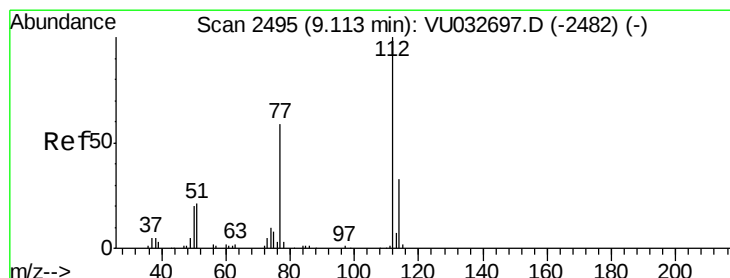
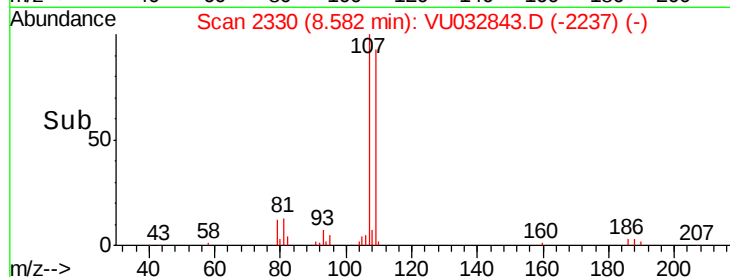
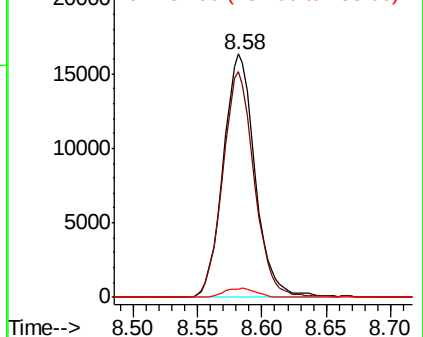
#50
1,2-Dibromoethane
Concen: 5.078 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032843.D
Acq: 19 Jun 2019 08:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tgt Ion:107 Resp: 27924
Ion Ratio Lower Upper
107 100
109 92.9 65.2 121.0
188 3.5 3.1 4.7

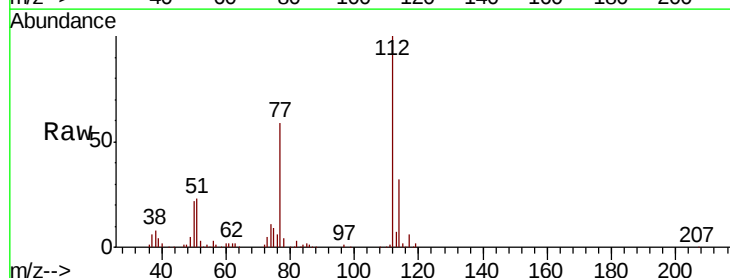


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

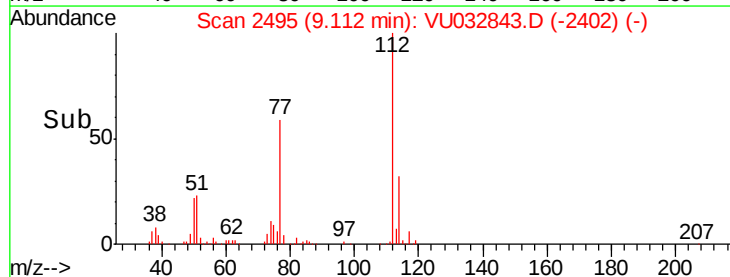
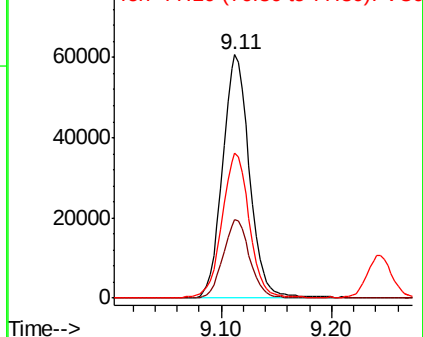


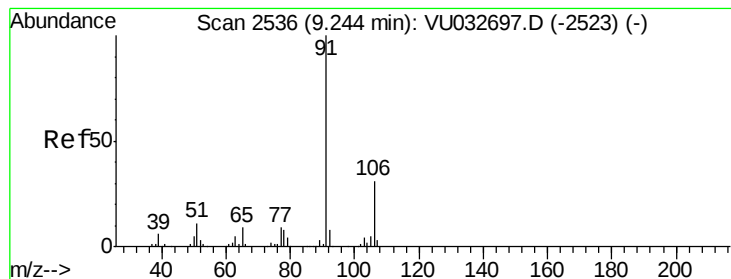
#51
Chlorobenzene
Concen: 5.009 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032843.D
Acq: 19 Jun 2019 08:56

Tgt Ion:112 Resp: 102588
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 59.3 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): V





#52

Ethylbenzene

Concen: 4.876 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

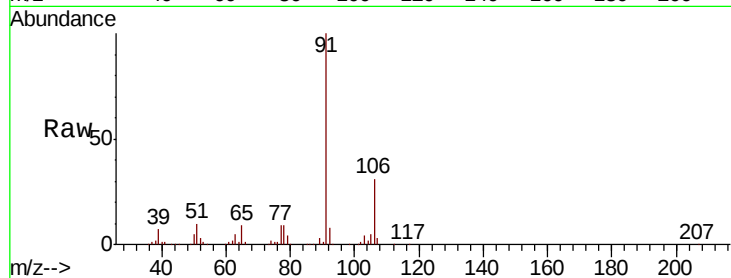
VSTD00528

Tgt Ion: 91 Resp: 175567

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032697.D (-2523) (-)

Ion 106.15 (105.85 to 106.85): VU032697.D (-2523) (-)

9.24

120000

100000

80000

60000

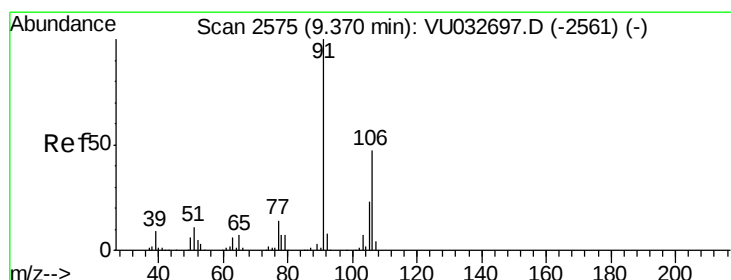
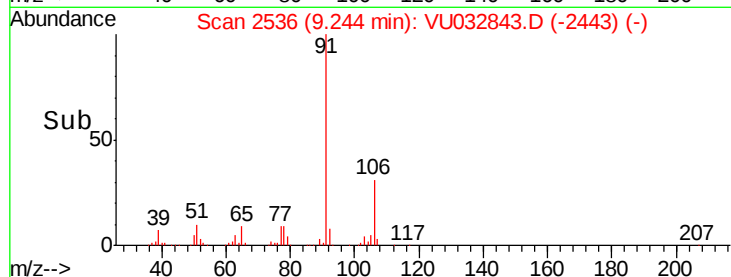
40000

20000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 4.770 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032843.D

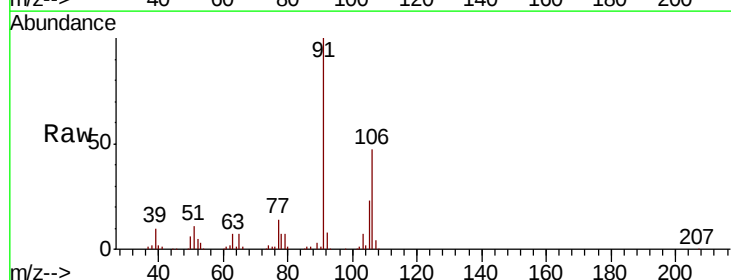
Acq: 19 Jun 2019 08:56

Tgt Ion: 106 Resp: 65110

Ion Ratio Lower Upper

106 100

91 212.8 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032697.D (-2561) (-)

Ion 91.15 (90.85 to 91.85): VU032697.D (-2561) (-)

9.37

120000

100000

80000

60000

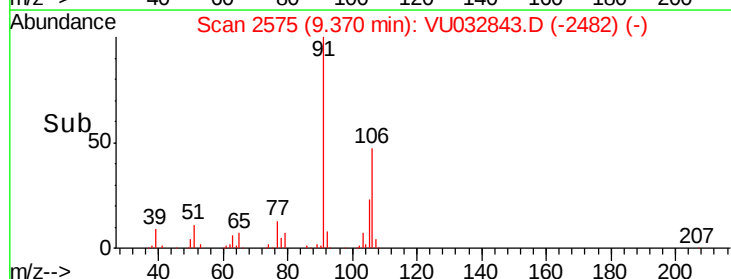
40000

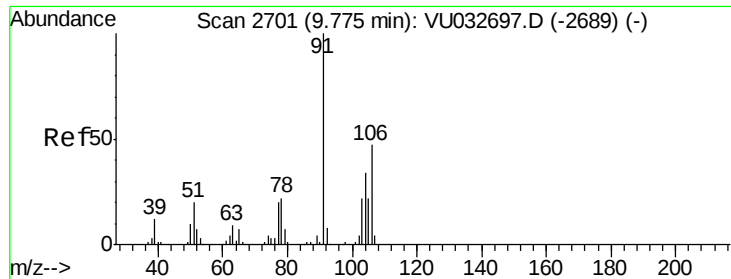
20000

0

9.30 9.40 9.50

Time-->

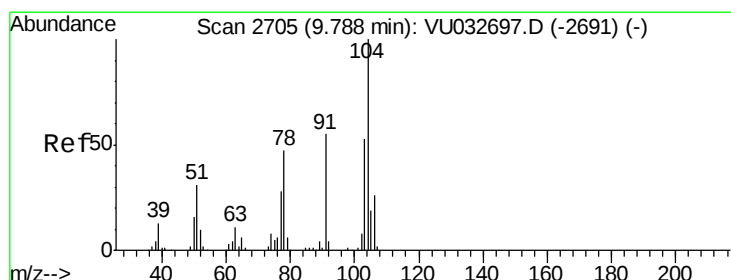
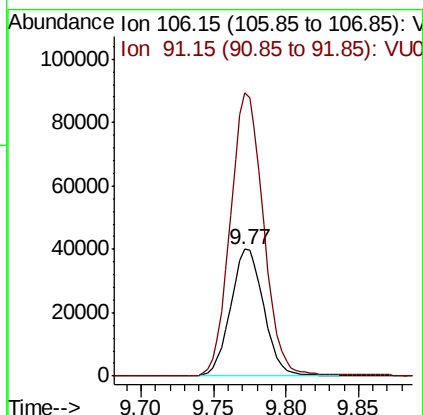
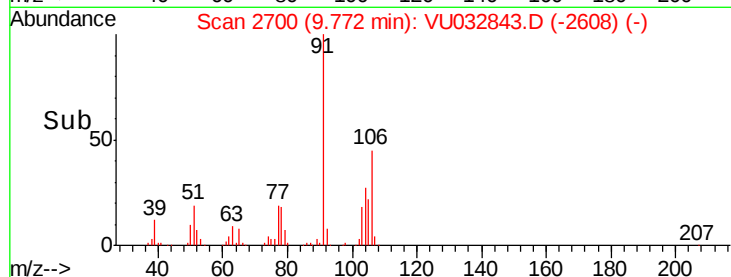
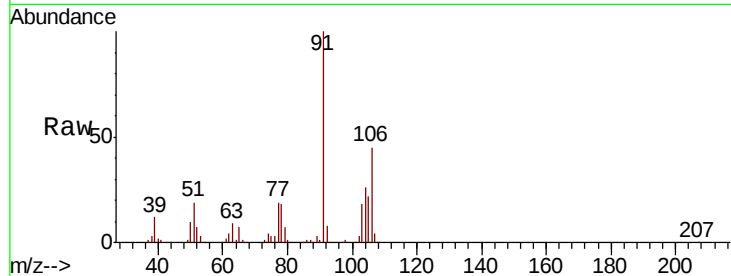




#54
o-Xylene
Concen: 4.686 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU032843.D
Acq: 19 Jun 2019 08:56

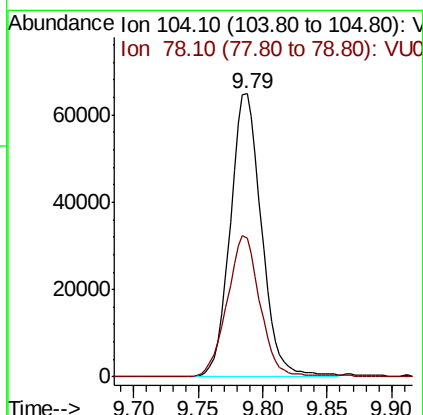
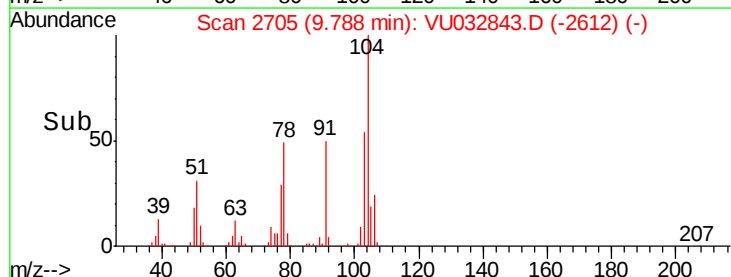
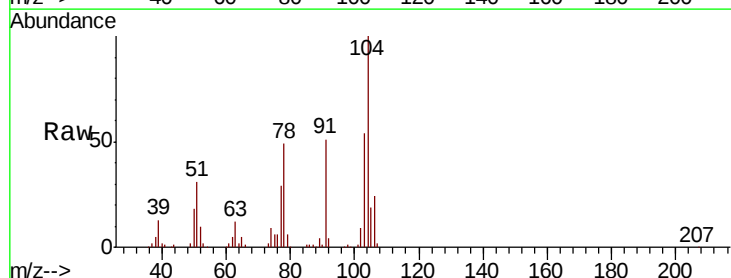
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

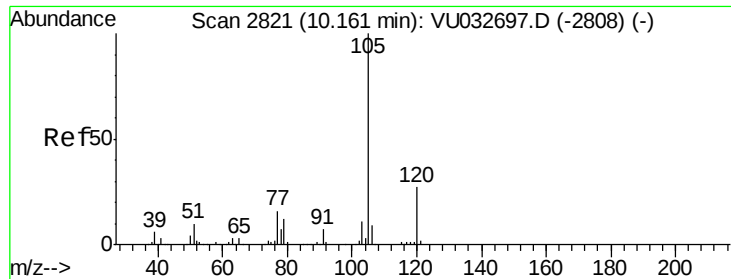
Tgt Ion:106 Resp: 63838
Ion Ratio Lower Upper
106 100
91 223.2 148.8 276.4



#55
Styrene
Concen: 4.878 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032843.D
Acq: 19 Jun 2019 08:56

Tgt Ion:104 Resp: 109311
Ion Ratio Lower Upper
104 100
78 48.9 32.2 59.8





#56

Isopropylbenzene

Concen: 4.884 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

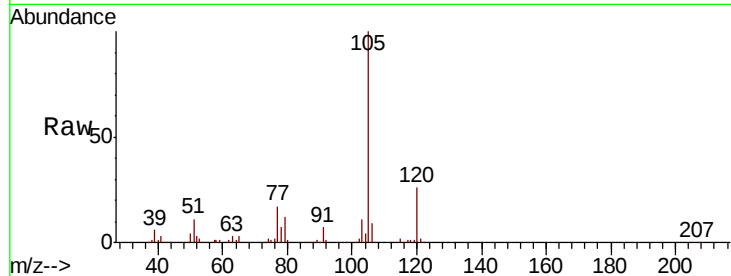
Tgt Ion: 105 Resp: 175513

Ion Ratio Lower Upper

105 100

120 26.0 21.6 32.4

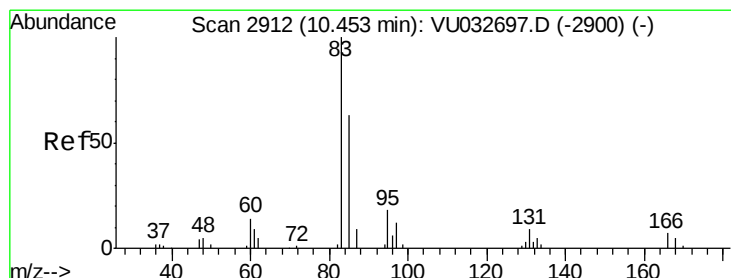
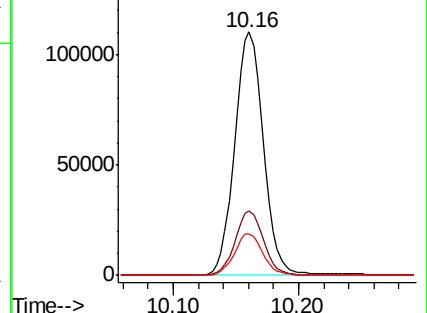
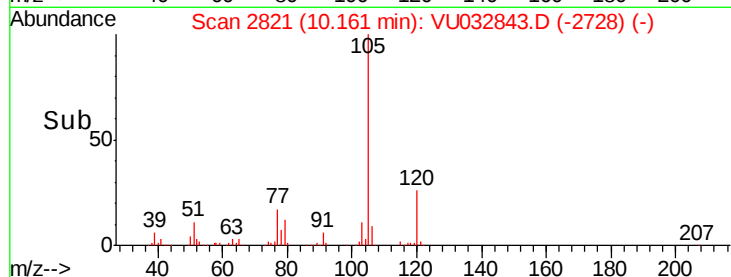
77 16.9 12.3 18.5



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: 5.319 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

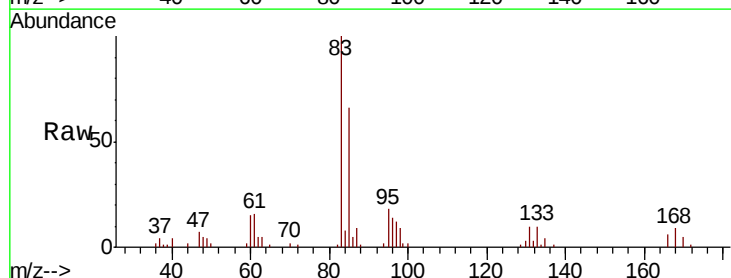
Tgt Ion: 83 Resp: 37537

Ion Ratio Lower Upper

83 100

85 65.9 45.7 84.9

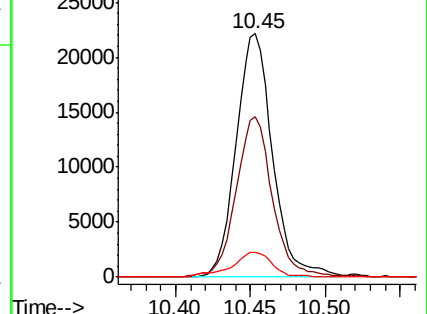
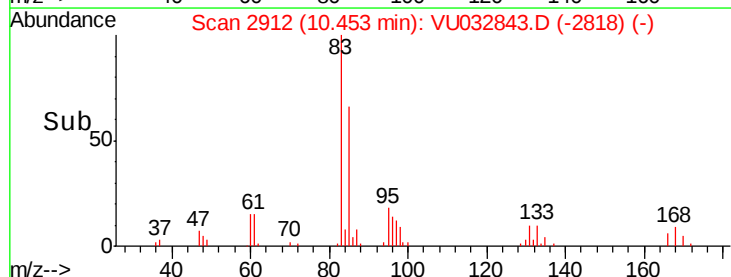
131 10.2 8.0 12.0

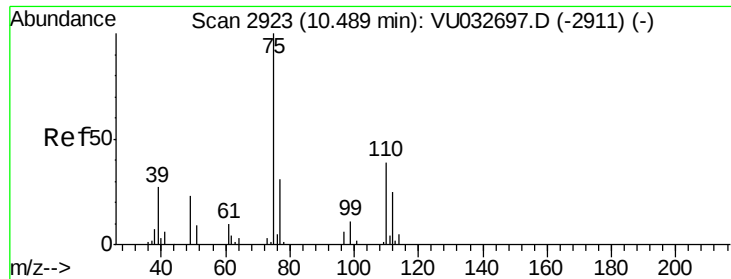


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

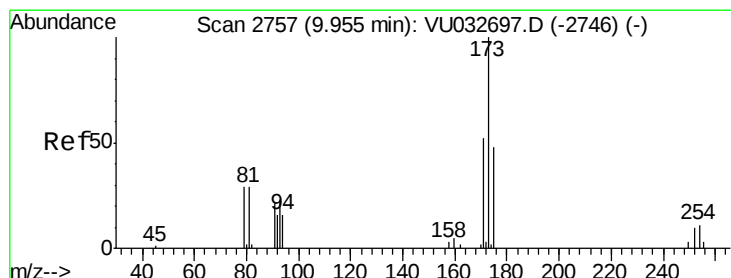
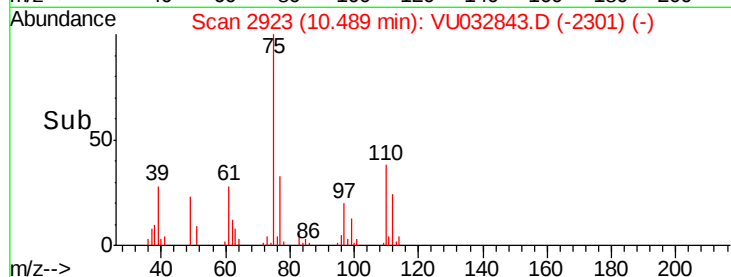
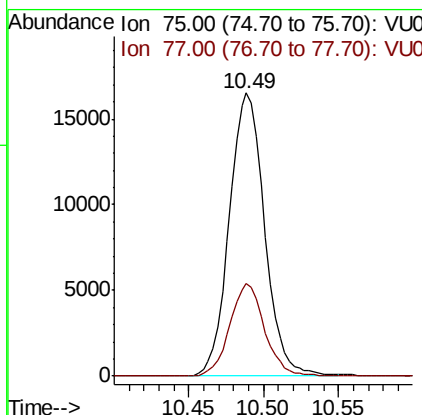
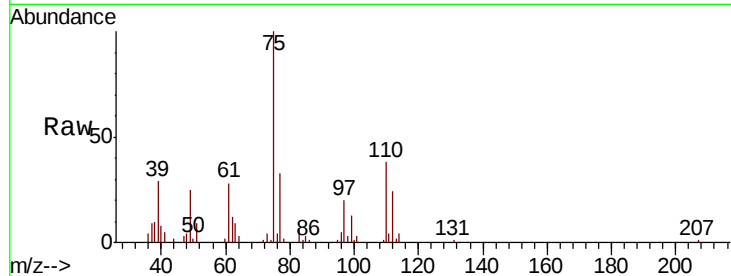




#59
 1,2,3-Trichloropropane
 Concen: 5.453 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

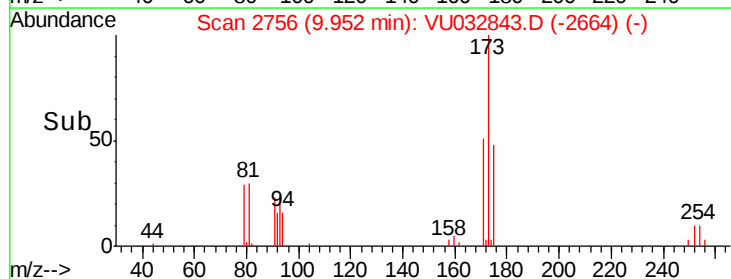
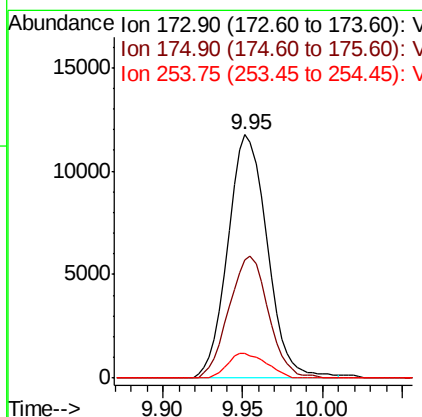
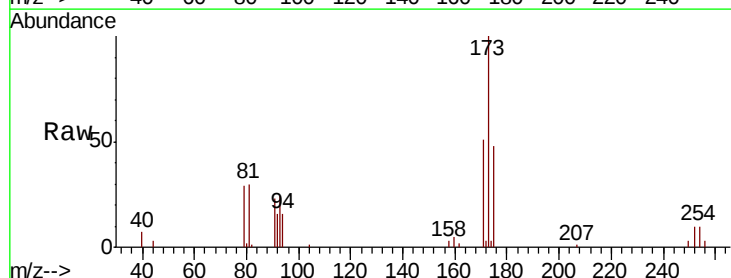
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

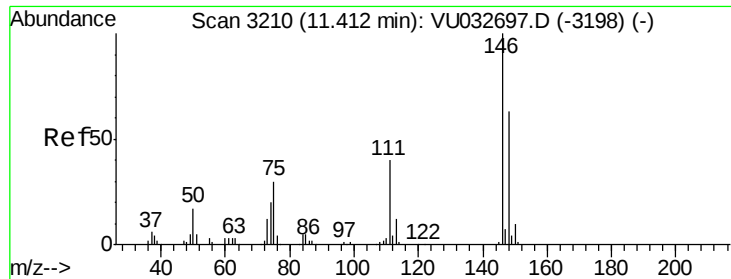
Tgt Ion: 75 Resp: 27159
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9



#61
 Bromoform
 Concen: 4.500 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Tgt Ion: 173 Resp: 19787
 Ion Ratio Lower Upper
 173 100
 175 49.9 37.9 56.9
 254 9.9 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.832 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

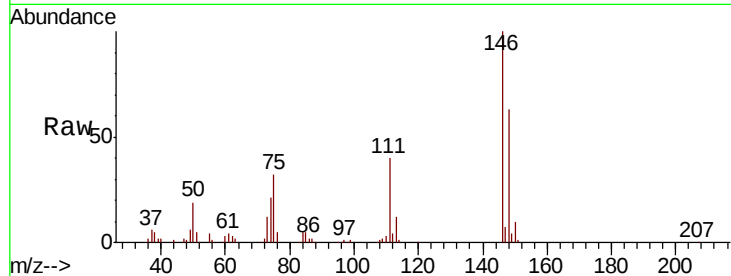
Tgt Ion:146 Resp: 86318

Ion Ratio Lower Upper

146 100

111 40.4 27.7 51.5

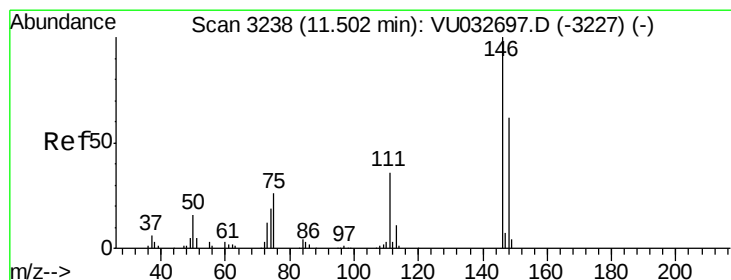
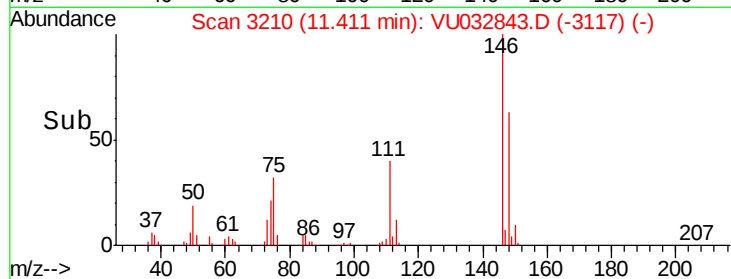
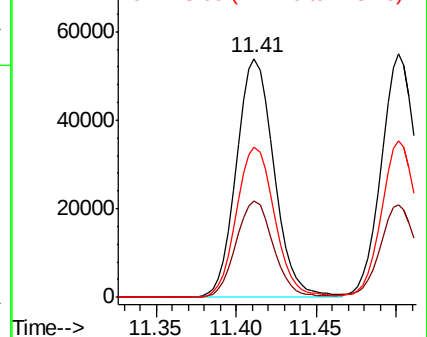
148 62.7 44.7 83.1



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: 4.840 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

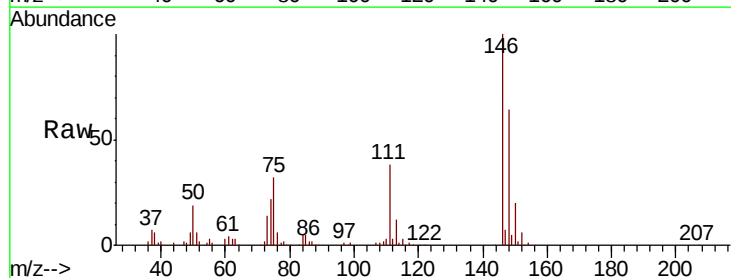
Tgt Ion:146 Resp: 87893

Ion Ratio Lower Upper

146 100

111 38.2 26.2 48.6

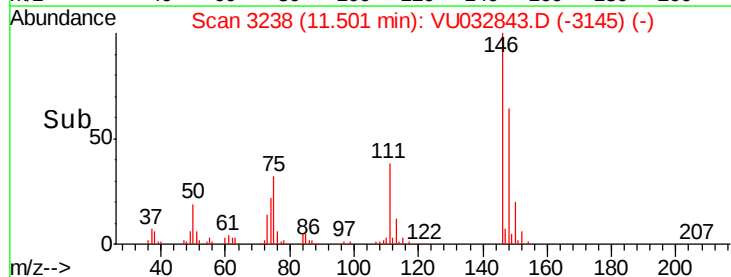
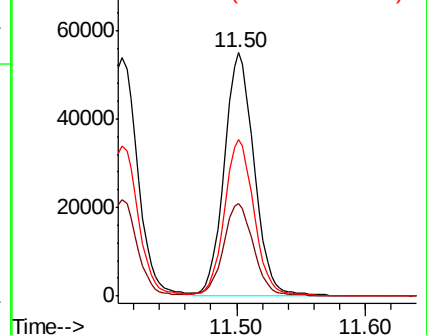
148 64.4 43.9 81.5

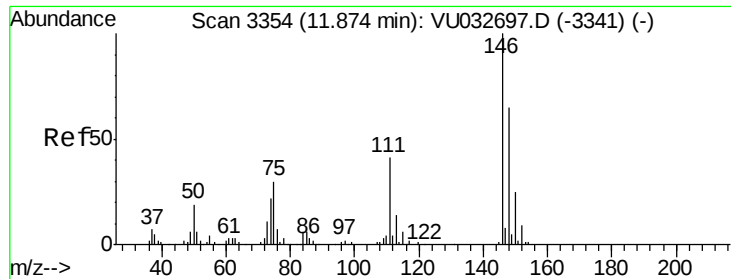


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.883 ug/L

RT: 11.87 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

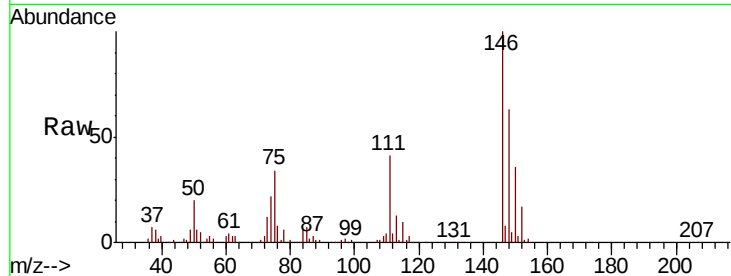
Tgt Ion:146 Resp: 84286

Ion Ratio Lower Upper

146 100

111 40.8 33.0 49.4

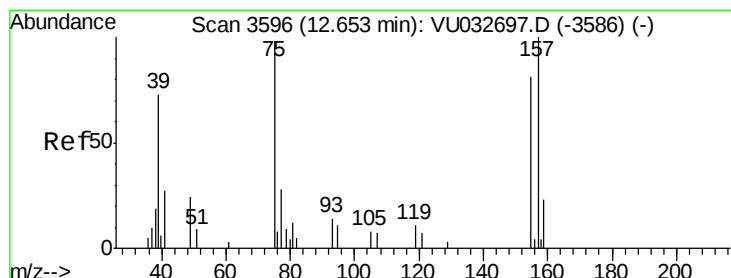
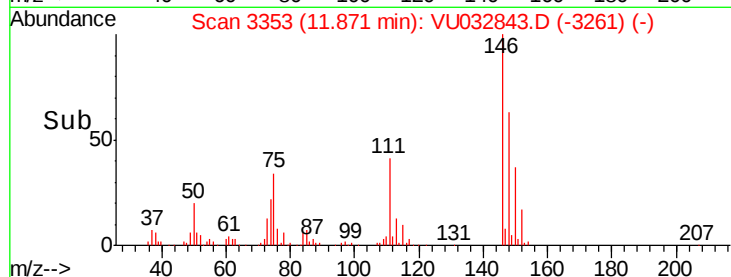
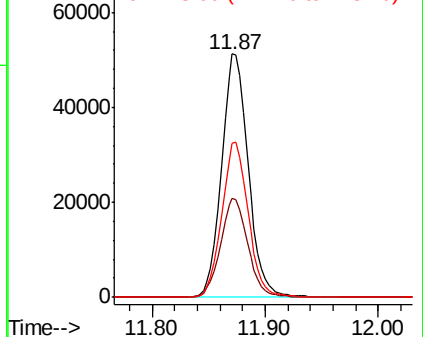
148 63.4 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.002 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

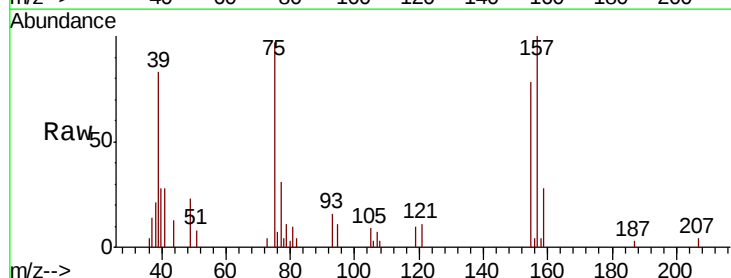
Tgt Ion: 75 Resp: 6062

Ion Ratio Lower Upper

75 100

155 80.0 72.3 108.5

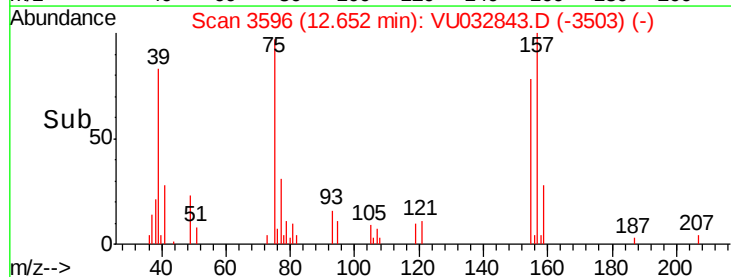
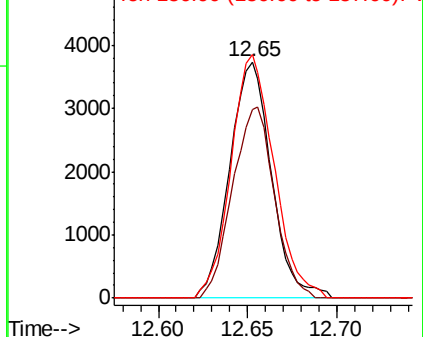
157 103.2 87.4 131.0

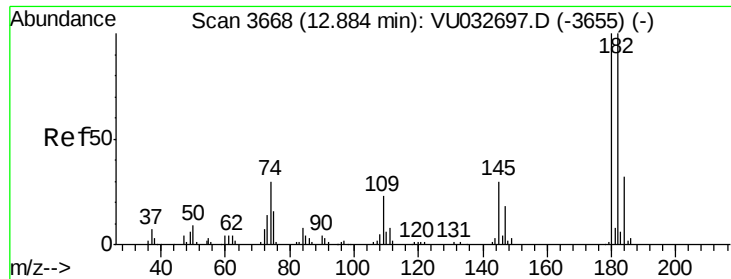


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

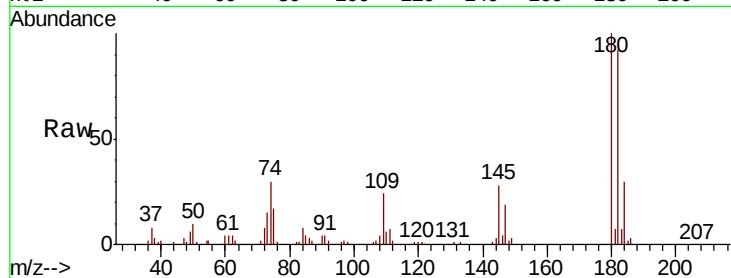




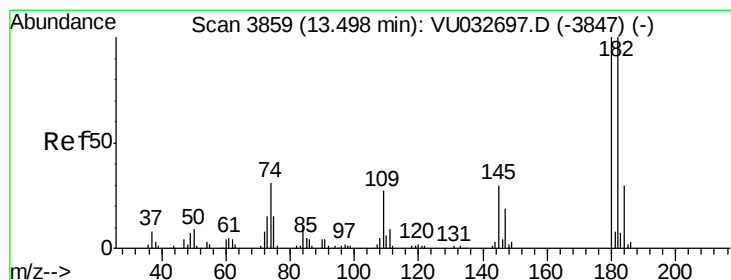
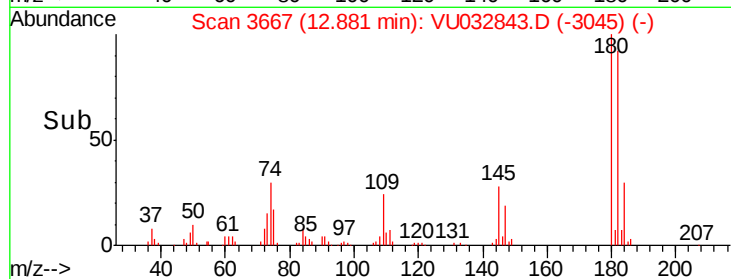
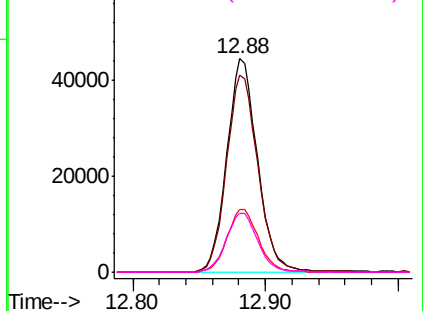
#67
 1,3,5-Trichlorobenzene
 Concen: 5.006 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion:180 Resp: 71676
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.6 115.0
 184 30.1 24.2 36.4
 145 28.4 23.5 35.3

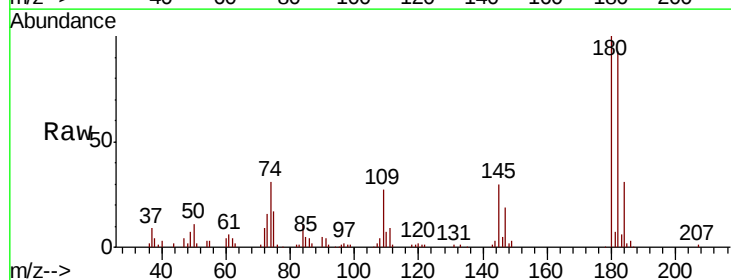


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

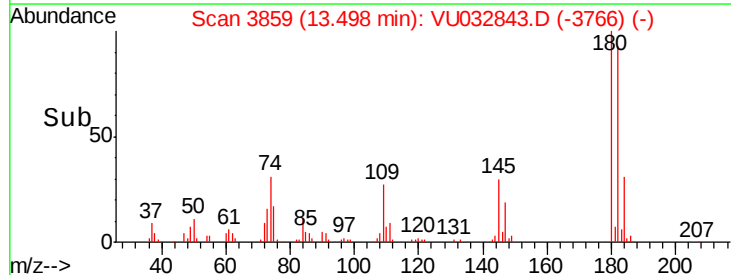
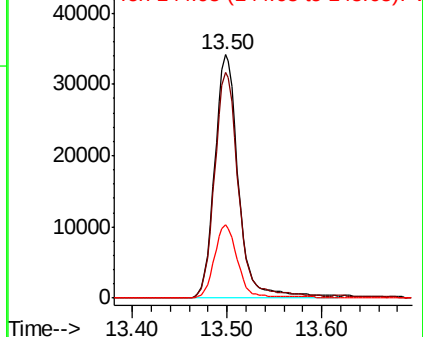


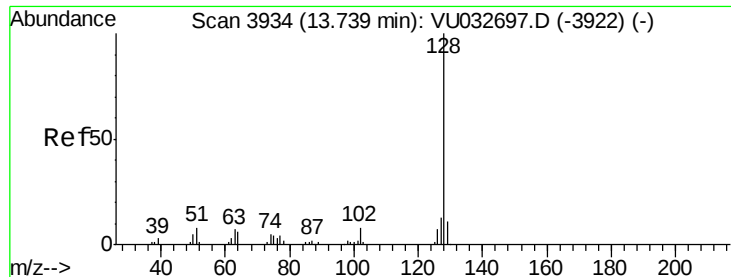
#68
 1,2,4-trichlorobenzene
 Concen: 5.204 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032843.D
 Acq: 19 Jun 2019 08:56

Tgt Ion:180 Resp: 60080
 Ion Ratio Lower Upper
 180 100
 182 92.8 74.8 112.2
 145 29.0 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.715 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

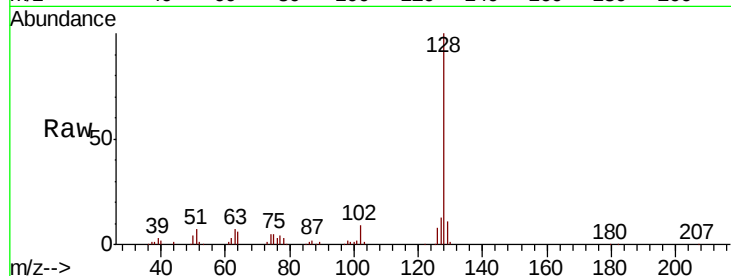
Tgt Ion:128 Resp: 95412

Ion Ratio Lower Upper

128 100

129 10.0 8.1 12.1

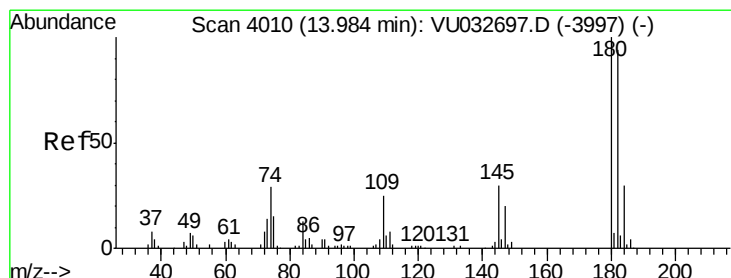
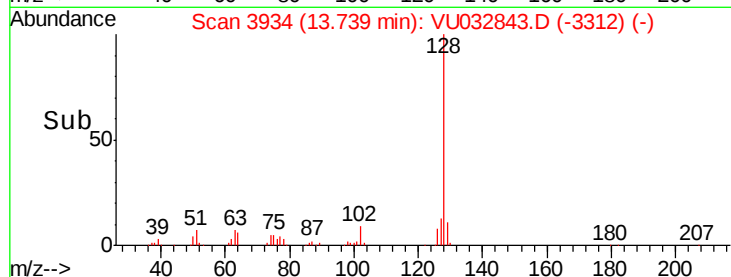
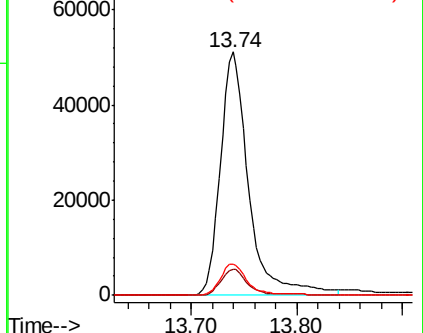
127 12.5 10.4 15.6



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: 4.751 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032843.D

Acq: 19 Jun 2019 08:56

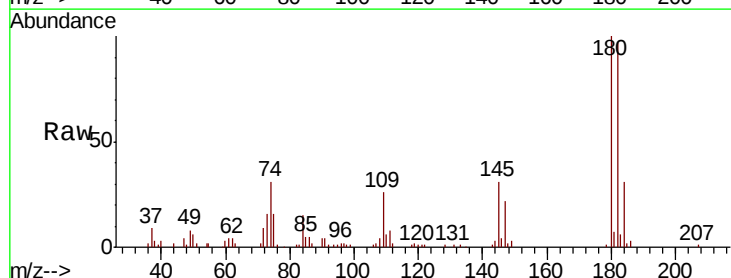
Tgt Ion:180 Resp: 54618

Ion Ratio Lower Upper

180 100

182 95.1 73.8 110.6

145 31.8 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

