

Data File : VU032722.D
Acq On : 14 Jun 2019 14:13
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Quant Time: Jun 14 23:49:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 07:38:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	111272	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	103603	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58429	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31981	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.66	69	27794	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.27	63	69961	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.18	46	96818	47.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.90%
24) Chloroform-d	4.64	84	69233	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.30	65	37693	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.33	84	133956	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.32	67	41834	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.56	98	125707	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
43) trans-1,3-Dichloropropene-	7.84	79	18360	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	8.31	63	90102	53.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	38340	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	53577	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	49922	5.229	ug/L 100
3) Chloromethane	1.33	50	47895	4.837	ug/L 99
5) Vinyl chloride	1.40	62	46824	4.811	ug/L 99
6) Bromomethane	1.60	94	26501	4.464	ug/L 99
8) Chloroethane	1.68	64	27980	4.500	ug/L 99
9) Trichlorofluoromethane	1.87	101	68325	4.905	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	36498	4.928	ug/L 97
12) 1,1-Dichloroethene	2.28	96	32722	4.628	ug/L 97
13) Acetone	2.32	43	78350	49.998	ug/L 97
14) Carbon disulfide	2.47	76	101669	4.491	ug/L 99
15) Methyl Acetate	2.61	43	19989	4.649	ug/L 100
16) Methylene chloride	2.69	84	36595	4.667	ug/L 95
17) Methyl tert-butyl Ether	3.00	73	99243	4.800	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	36043	4.725	ug/L 96
19) 1,1-Dichloroethane	3.43	63	70474	5.162	ug/L 99
21) 2-Butanone	4.27	43	121652	53.376	ug/L 98
22) cis-1,2-Dichloroethene	4.21	96	41409	4.797	ug/L 88

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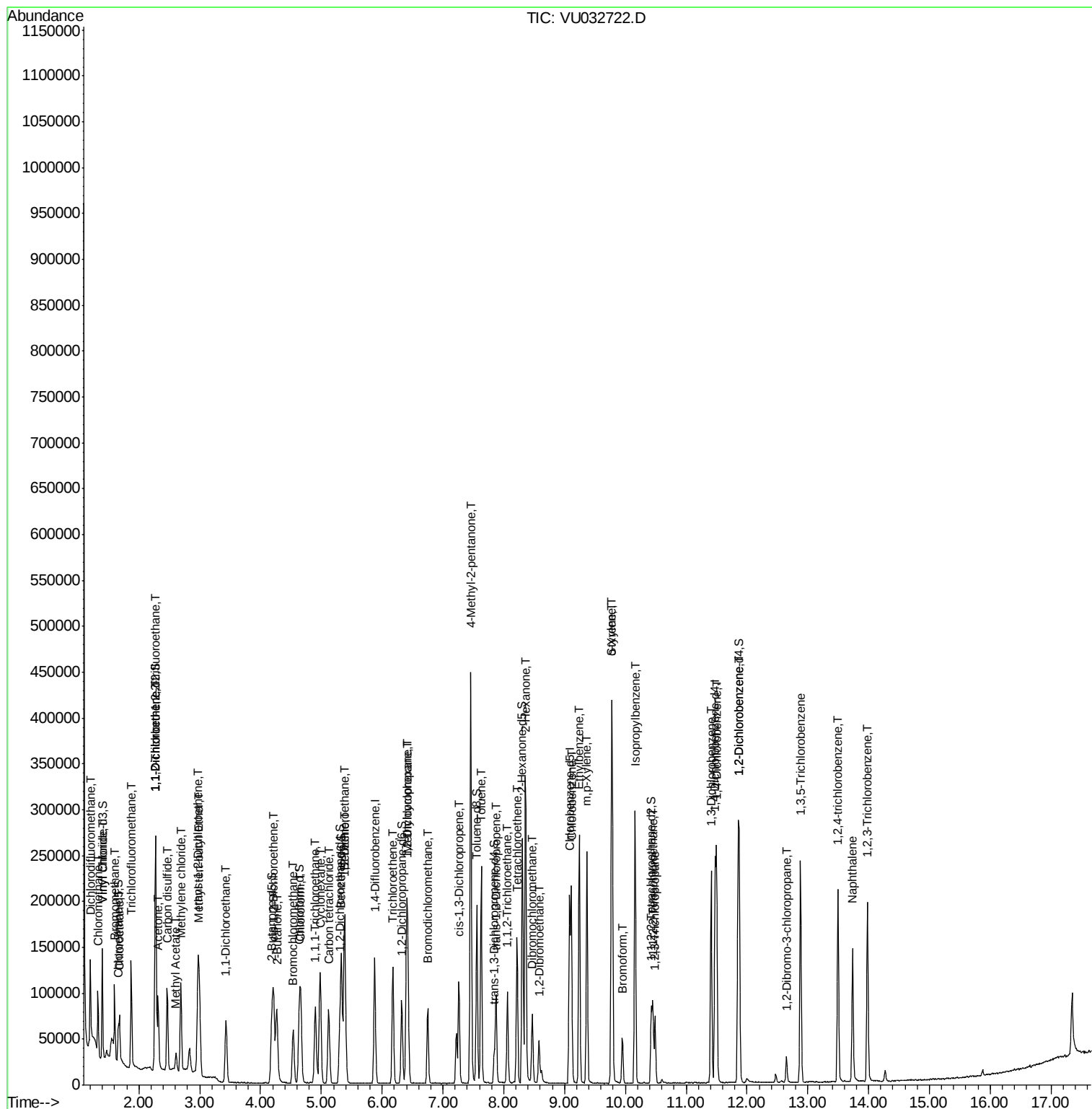
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	19274	5.187	ug/L	98
25) Chloroform	4.66	83	73122	5.242	ug/L	94
27) 1,2-Dichloroethane	5.40	62	49603	5.411	ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	64174	5.083	ug/L	98
30) Cyclohexane	4.98	56	62980	4.720	ug/L	99
31) Carbon tetrachloride	5.12	117	56956	4.962	ug/L	100
33) Benzene	5.38	78	153789	5.035	ug/L	100
34) Trichloroethene	6.18	95	41796	4.757	ug/L	98
35) Methylcyclohexane	6.41	83	67079	4.747	ug/L	98
37) 1,2-Dichloropropane	6.42	63	41046	5.194	ug/L	99
38) Bromodichloromethane	6.75	83	51507	5.070	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	60313	4.971	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	290703	51.688	ug/L	98
42) Toluene	7.63	91	166718	4.897	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	50192	5.181	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	28795	5.008	ug/L	95
47) Tetrachloroethene	8.22	164	34692	5.017	ug/L	96
48) 2-Hexanone	8.36	43	209346	52.087	ug/L	99
49) Dibromochloromethane	8.47	129	36291	4.934	ug/L	98
50) 1,2-Dibromoethane	8.58	107	29147	5.086	ug/L	100
51) Chlorobenzene	9.11	112	106294	4.980	ug/L	99
52) Ethylbenzene	9.24	91	183126	4.881	ug/L	100
53) m,p-Xylene	9.37	106	69743	4.903	ug/L	99
54) o-Xylene	9.77	106	68391	4.818	ug/L	99
55) Styrene	9.79	104	117713	5.040	ug/L	100
56) Isopropylbenzene	10.16	105	184353	4.923	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	39980	5.437	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	28299	5.453	ug/L	98
61) Bromoform	9.95	173	21951	4.676	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	91507	4.797	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	93778	4.836	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	89307	4.846	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	6785	5.243	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	76388	4.997	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	65022	5.275	ug/L	98
69) Naphthalene	13.74	128	118134	5.467	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	61084	4.976	ug/L	98

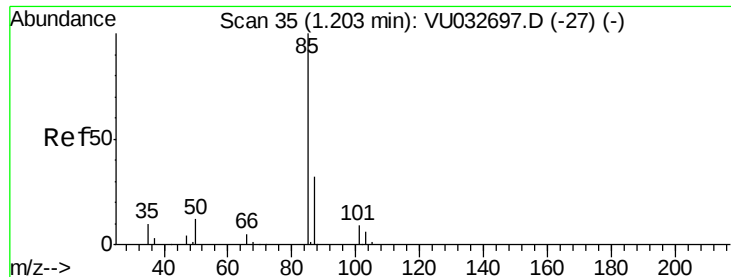
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.229 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

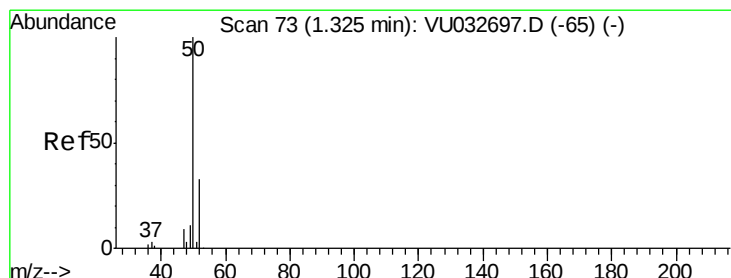
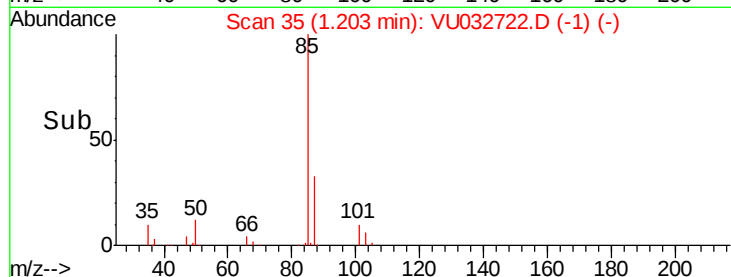
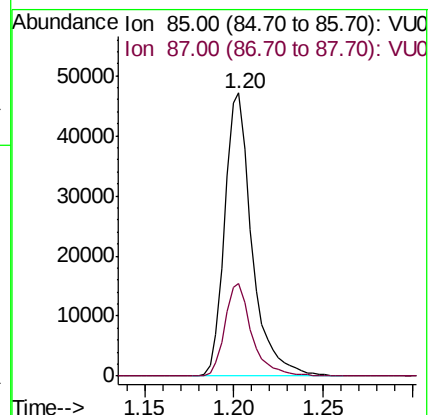
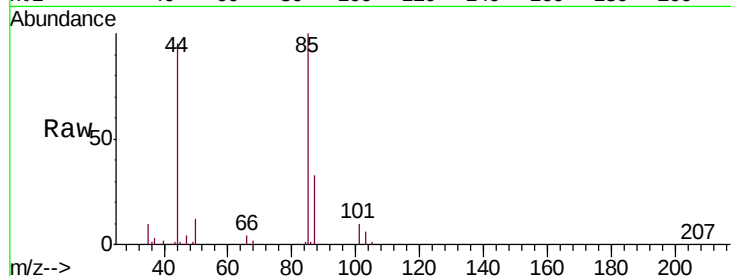
VSTD00525

Tgt Ion: 85 Resp: 49922

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



#3

Chloromethane

Concen: 4.837 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032722.D

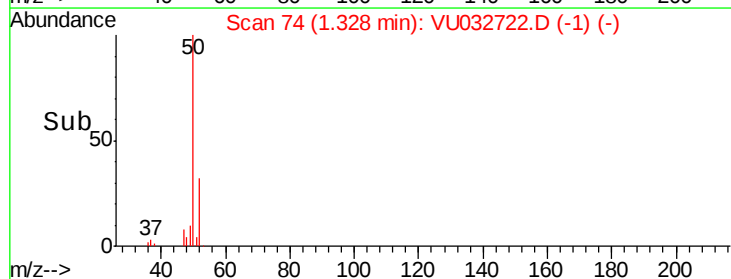
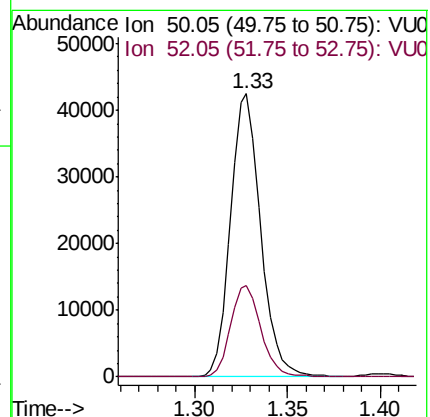
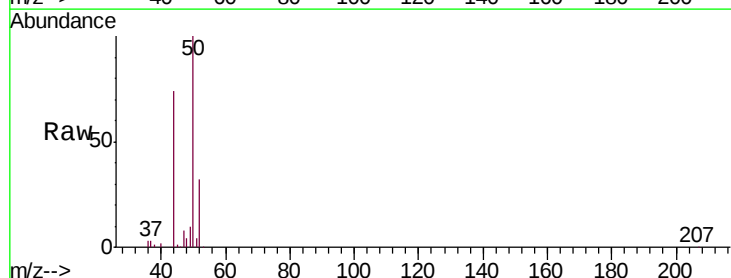
Acq: 14 Jun 2019 14:13

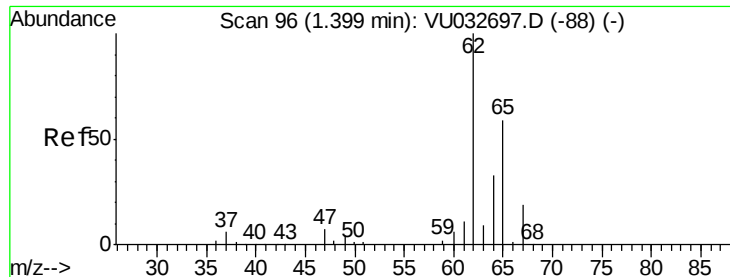
Tgt Ion: 50 Resp: 47895

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.2





#5

Vinyl chloride

Concen: 4.811 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

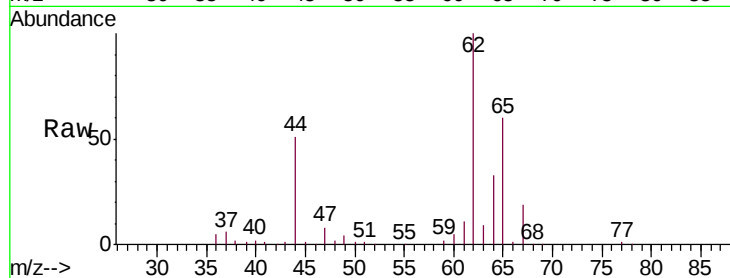
VSTD00525

Tgt Ion: 62 Resp: 46824

Ion Ratio Lower Upper

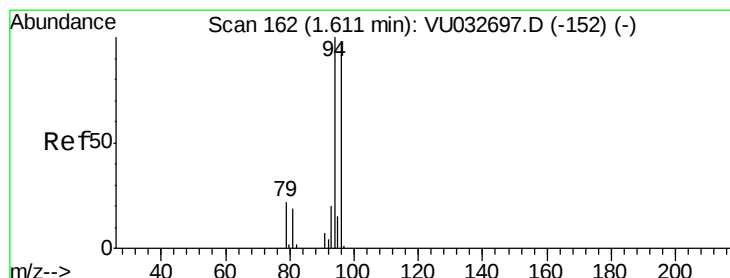
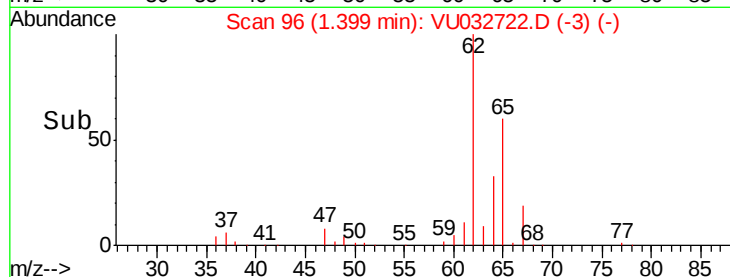
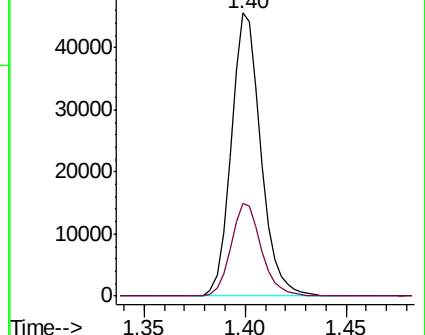
62 100

64 32.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032697.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032697.D (-88) (-)



#6

Bromomethane

Concen: 4.464 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU032722.D

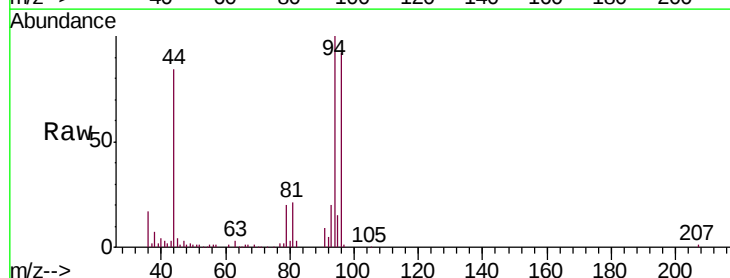
Acq: 14 Jun 2019 14:13

Tgt Ion: 94 Resp: 26501

Ion Ratio Lower Upper

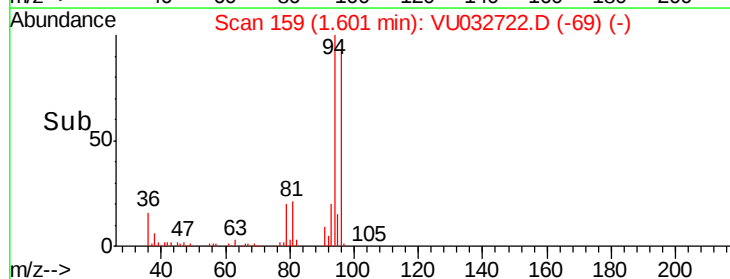
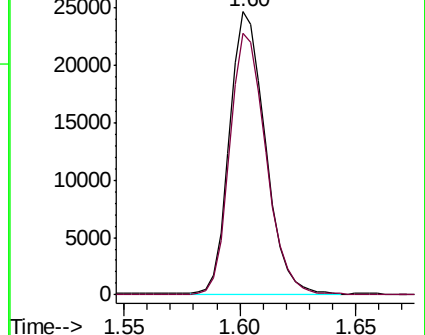
94 100

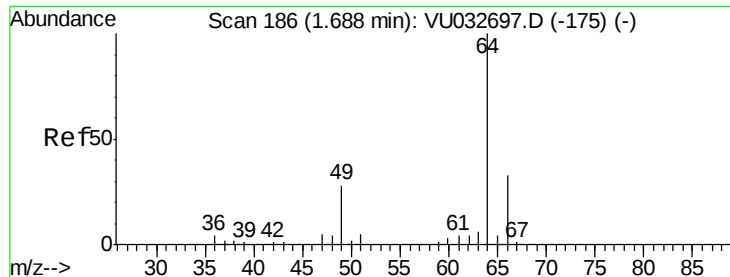
96 92.4 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032697.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU032697.D (-152) (-)





#8

Chloroethane

Concen: 4.500 ug/L

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

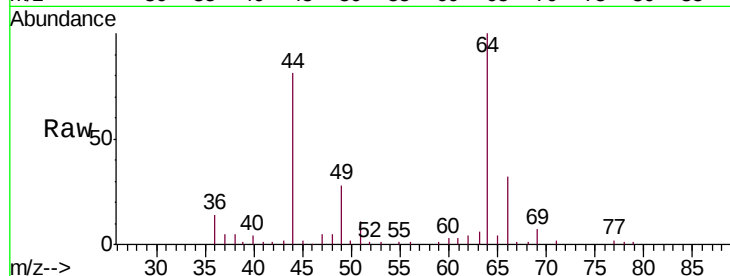
VSTD00525

Tgt Ion: 64 Resp: 27980

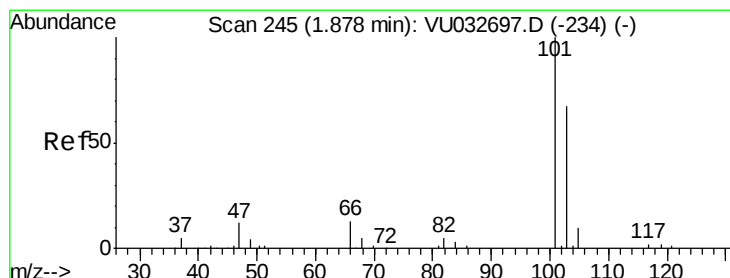
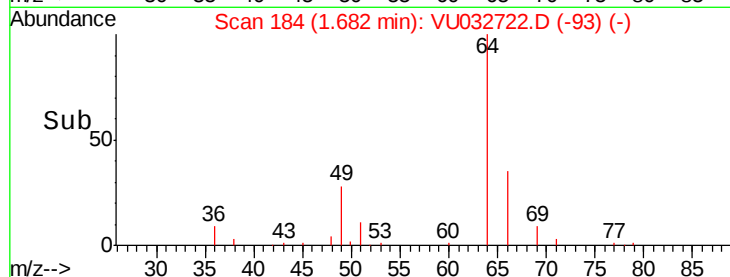
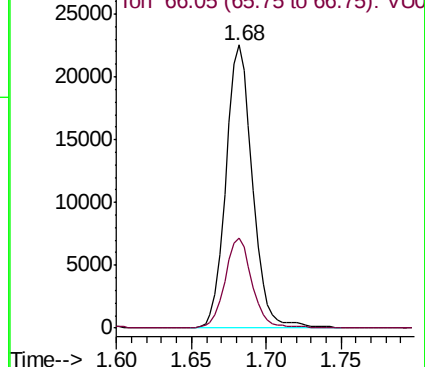
Ion Ratio Lower Upper

64 100

66 32.0 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032722.D (-93) (-)



#9

Trichlorofluoromethane

Concen: 4.905 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU032722.D

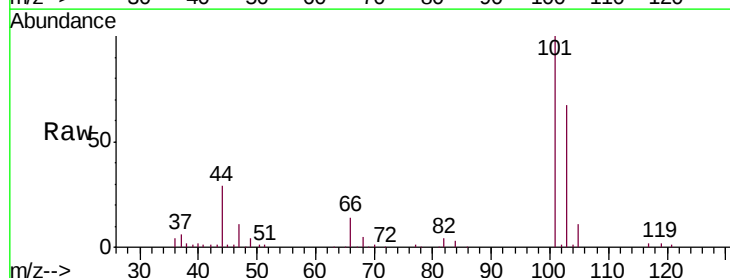
Acq: 14 Jun 2019 14:13

Tgt Ion: 101 Resp: 68325

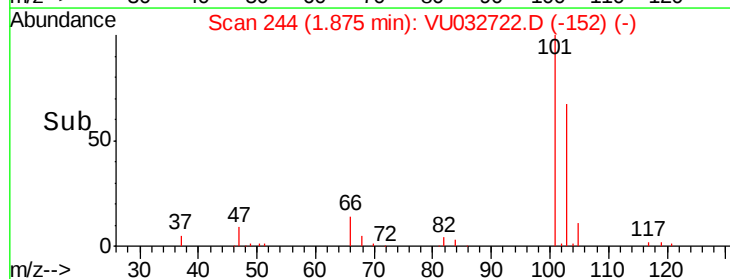
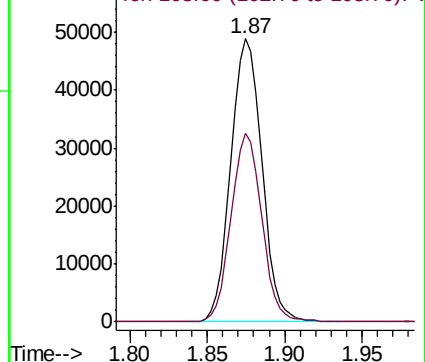
Ion Ratio Lower Upper

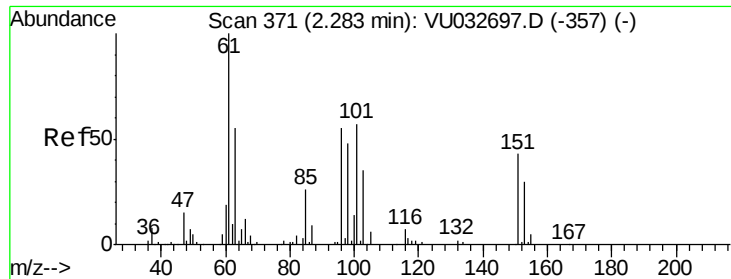
101 100

103 65.5 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032722.D (-152) (-)





#10

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

Concen: 4.928 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

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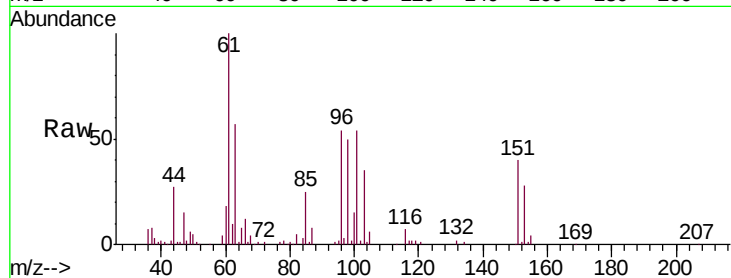
Tgt Ion: 101 Resp: 36498

Ion Ratio Lower Upper

101 100

85 46.1 38.9 58.3

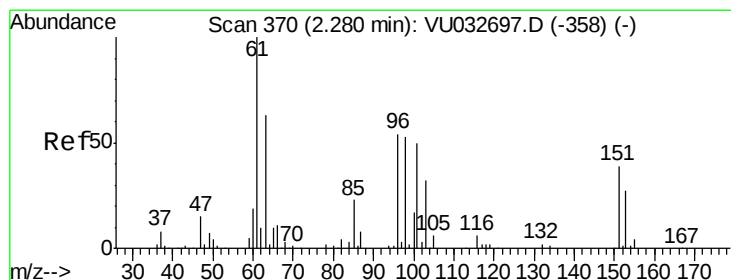
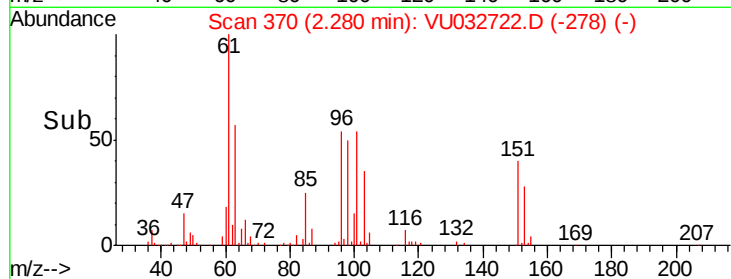
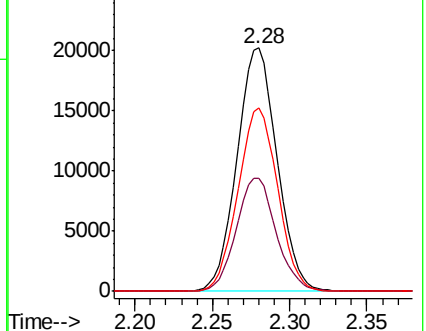
151 74.4 61.0 91.4



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: 4.628 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

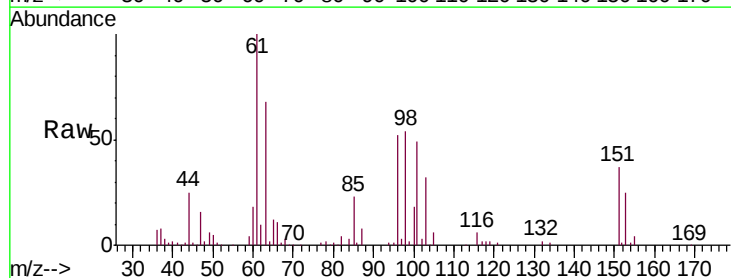
Tgt Ion: 96 Resp: 32722

Ion Ratio Lower Upper

96 100

61 193.1 131.8 244.8

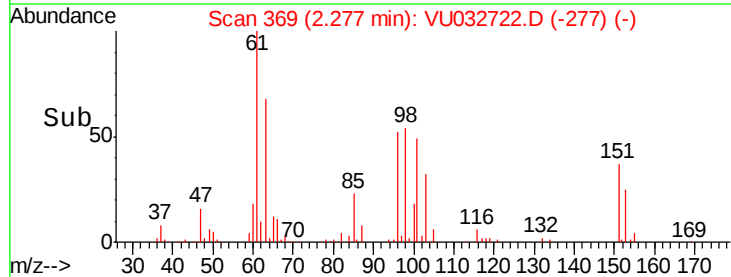
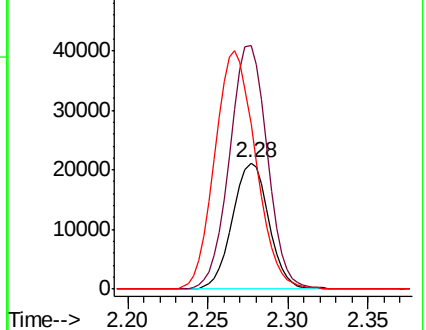
63 131.5 90.1 167.3

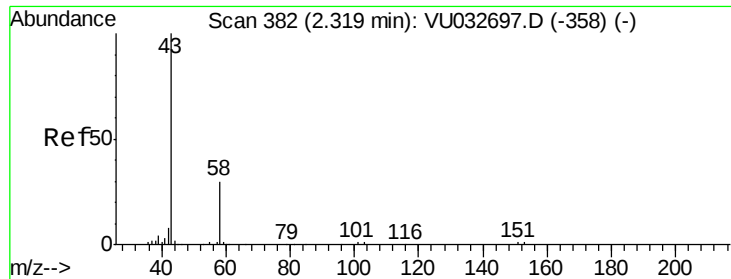


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.998 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

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ClientSampleId :

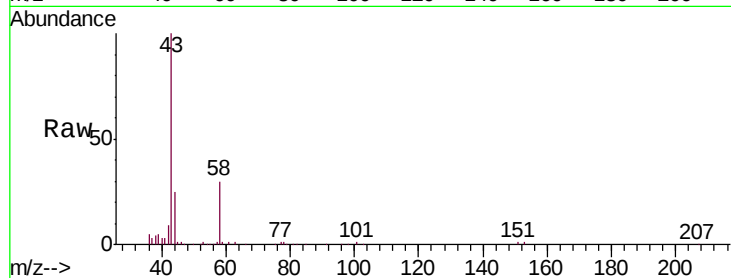
VSTD00525

Tgt Ion: 43 Resp: 78350

Ion Ratio Lower Upper

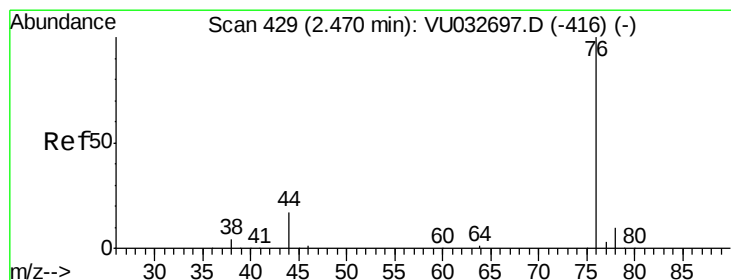
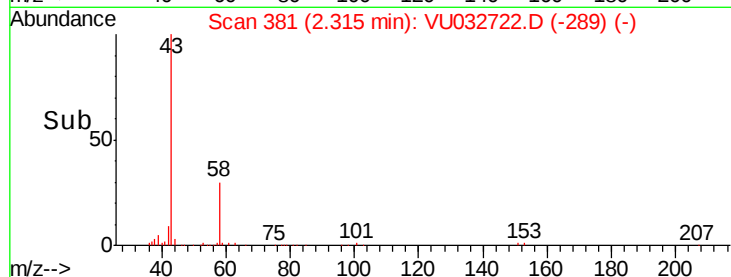
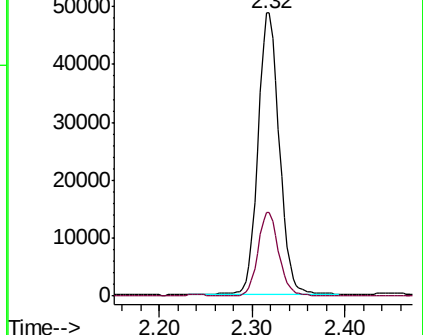
43 100

58 29.0 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) (-)



#14

Carbon disulfide

Concen: 4.491 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU032722.D

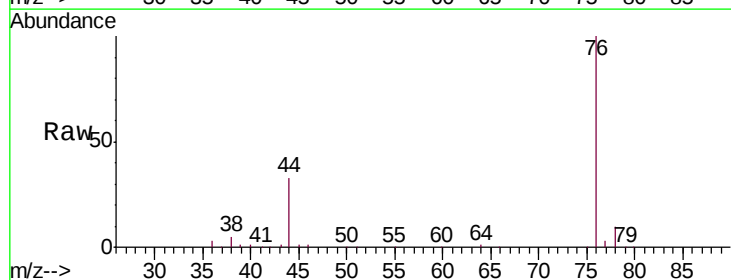
Acq: 14 Jun 2019 14:13

Tgt Ion: 76 Resp: 101669

Ion Ratio Lower Upper

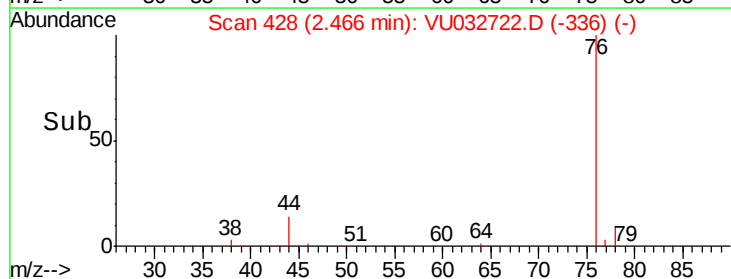
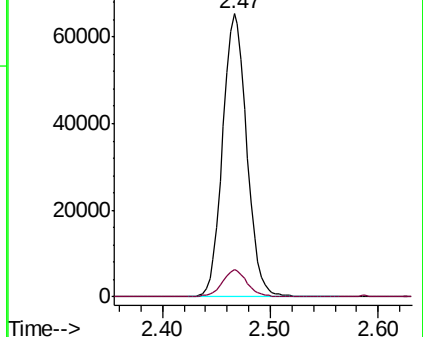
76 100

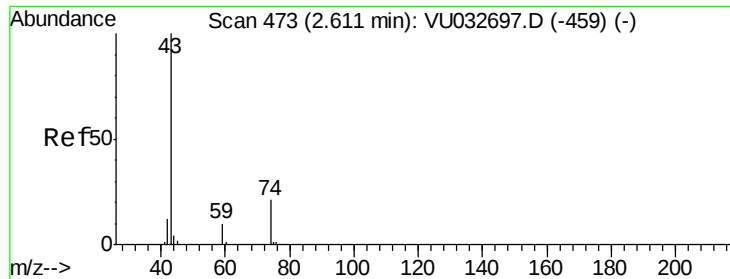
78 9.6 7.3 10.9



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

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

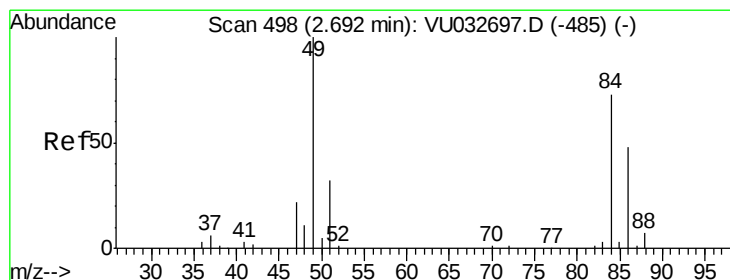
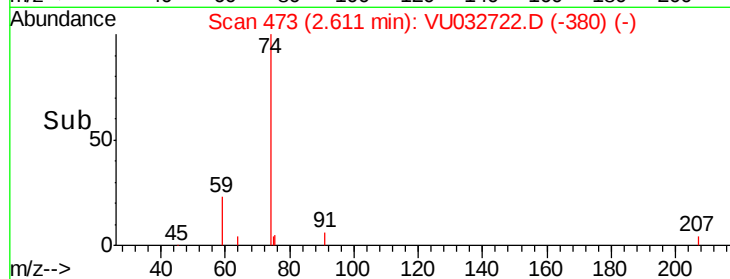
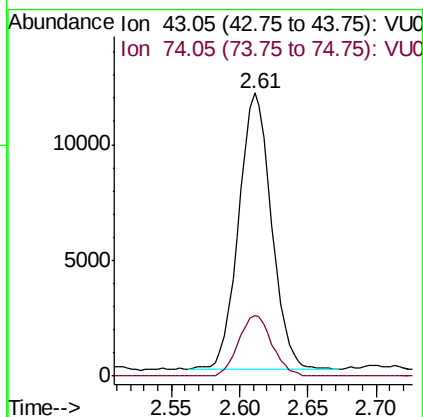
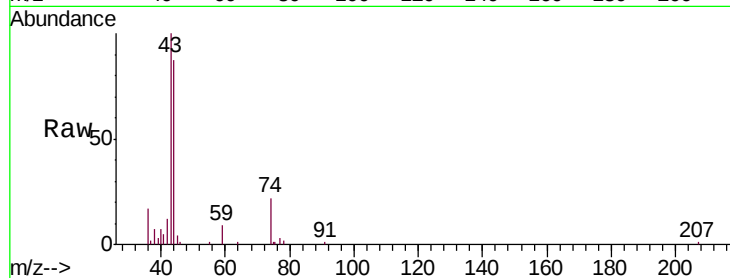




#15
Methyl Acetate
Concen: 4.649 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032722.D
Acq: 14 Jun 2019 14:13

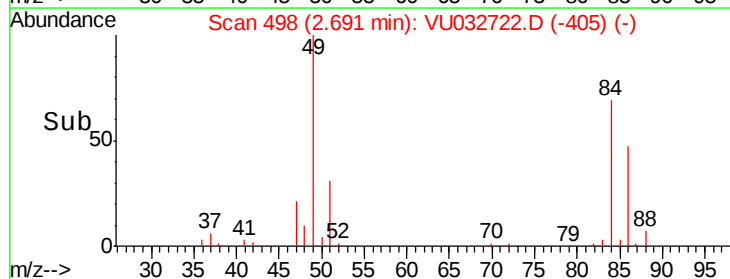
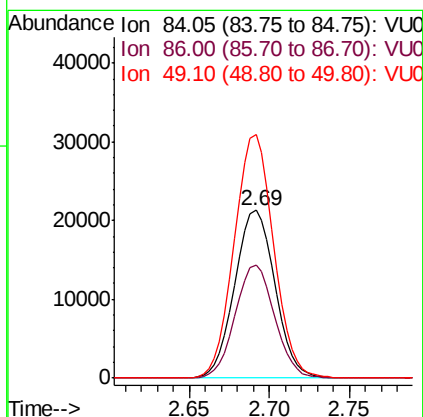
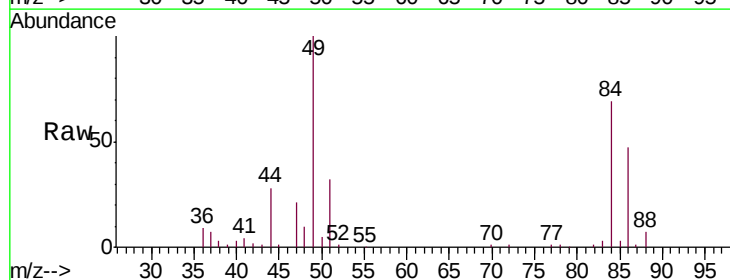
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

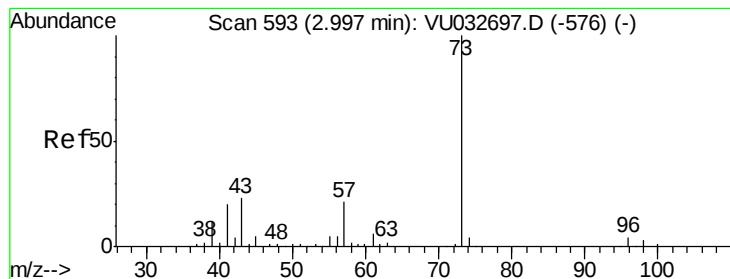
Tgt Ion: 43 Resp: 19989
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



#16
Methylene chloride
Concen: 4.667 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU032722.D
Acq: 14 Jun 2019 14:13

Tgt Ion: 84 Resp: 36595
Ion Ratio Lower Upper
84 100
86 67.8 47.2 87.6
49 145.2 95.9 178.1





#17

Methyl tert-butyl Ether

Concen: 4.800 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

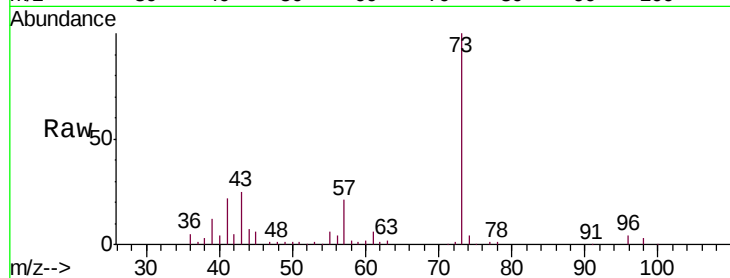
Tgt Ion: 73 Resp: 99243

Ion Ratio Lower Upper

73 100

43 23.7 18.6 27.8

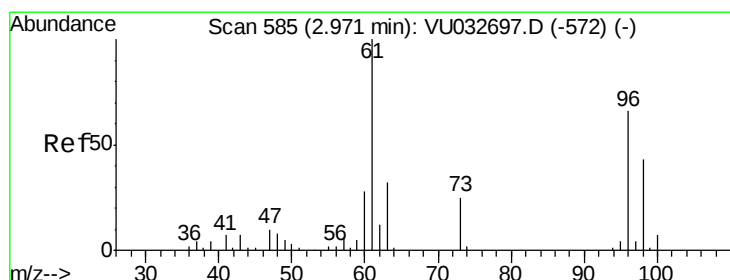
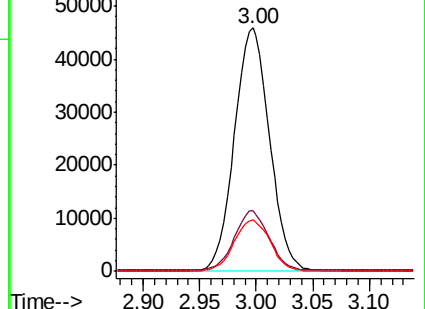
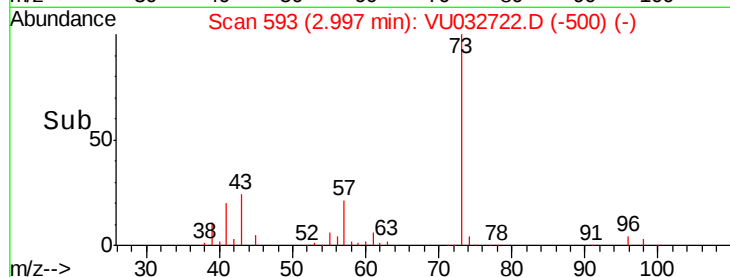
57 21.8 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU032722.D (-500) (-)

Ion 43.05 (42.75 to 43.75): VU032722.D (-500) (-)

Ion 57.10 (56.80 to 57.80): VU032722.D (-500) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.725 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

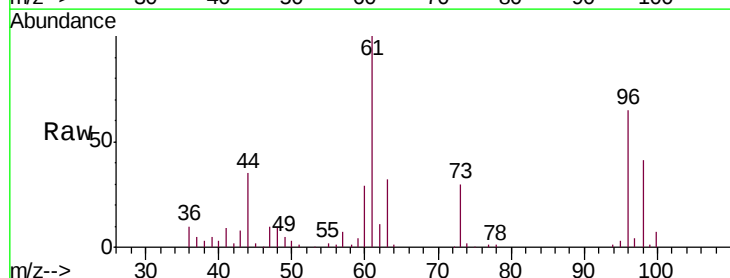
Tgt Ion: 96 Resp: 36043

Ion Ratio Lower Upper

96 100

61 153.6 103.1 191.5

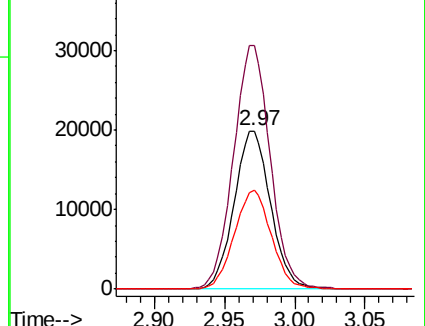
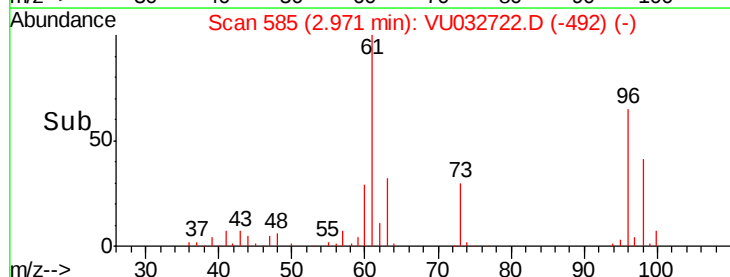
98 62.4 43.7 81.1

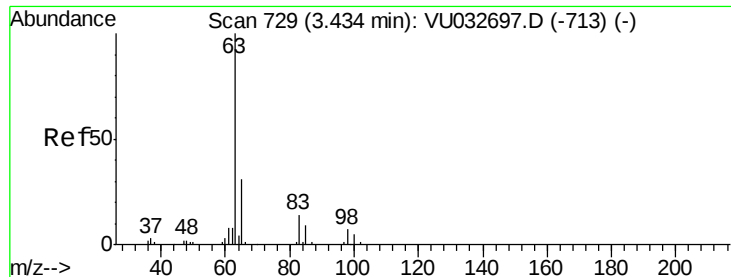


Abundance Ion 96.00 (95.70 to 96.70): VU032722.D (-492) (-)

Ion 61.05 (60.75 to 61.75): VU032722.D (-492) (-)

Ion 97.95 (97.65 to 98.65): VU032722.D (-492) (-)

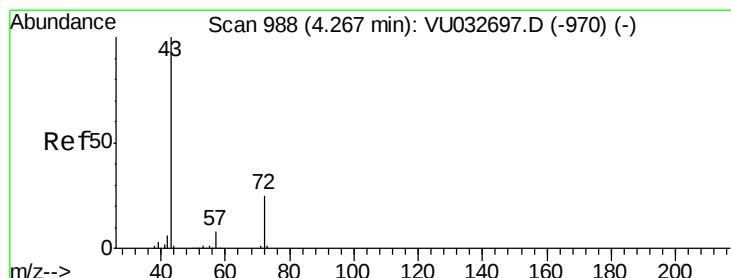
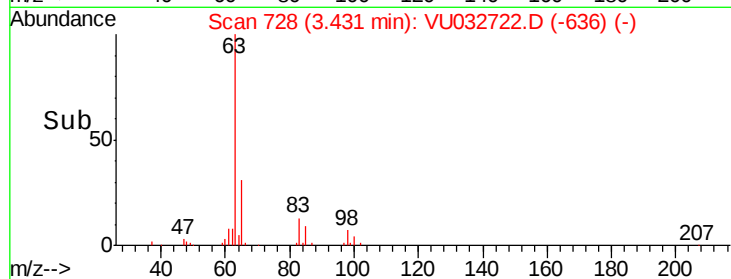
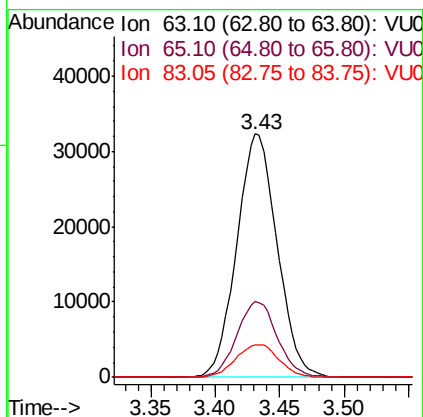
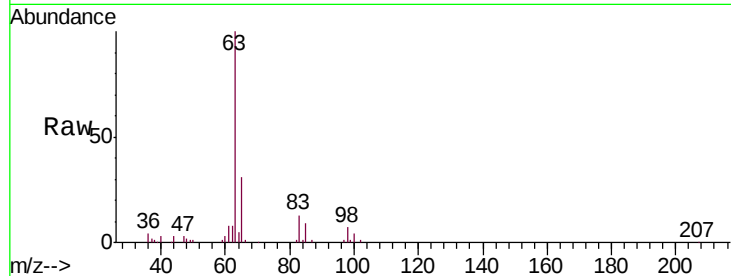




#19
 1,1-Dichloroethane
 Concen: 5.162 ug/L
 RT: 3.43 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

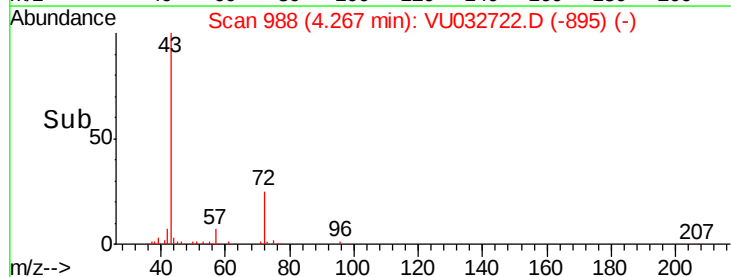
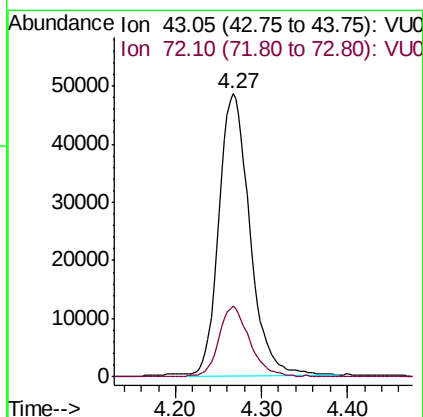
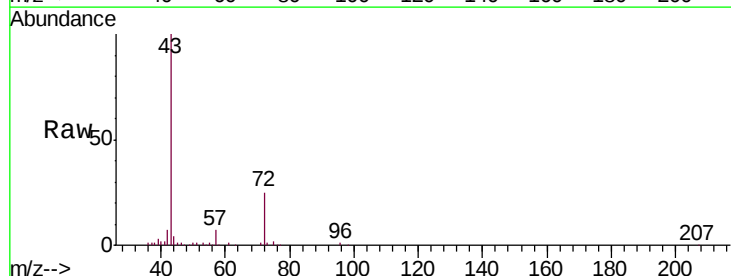
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

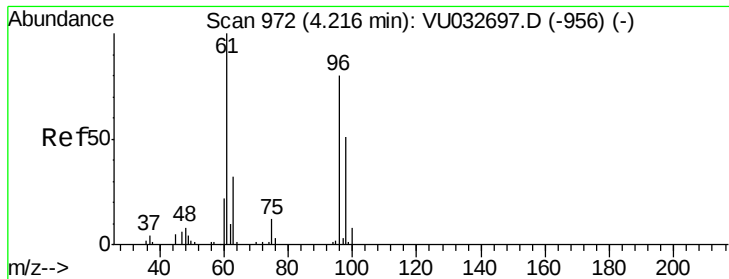
Tgt Ion: 63 Resp: 70474
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.3 39.6
 83 13.2 10.1 18.7



#21
 2-Butanone
 Concen: 53.376 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion: 43 Resp: 121652
 Ion Ratio Lower Upper
 43 100
 72 25.0 13.1 39.3



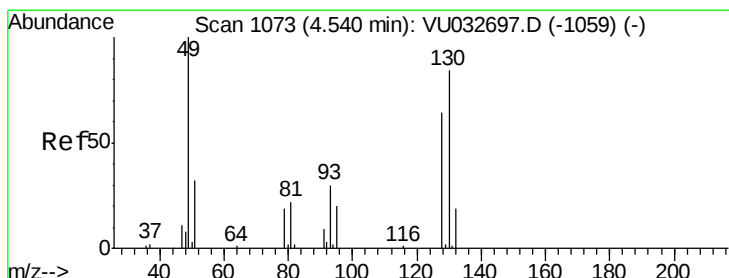
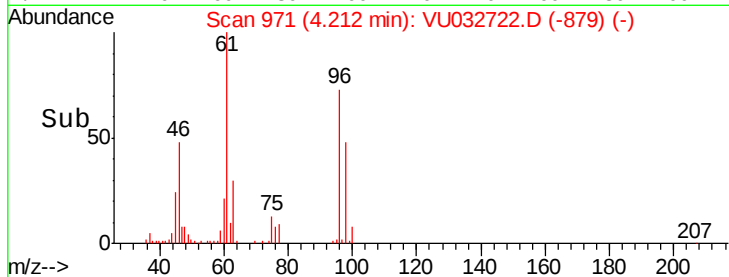
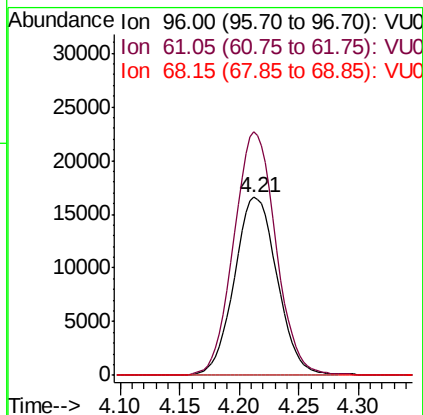
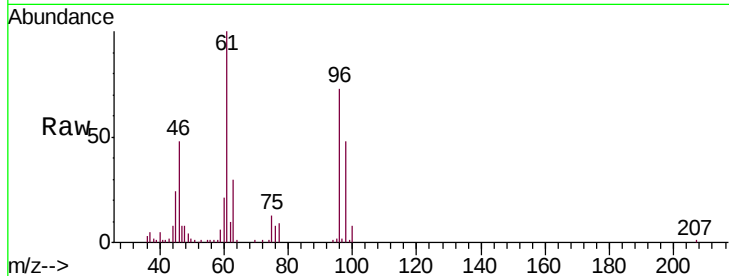


#22

cis-1,2-Dichloroethene
 Concen: 4.797 ug/L
 RT: 4.21 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

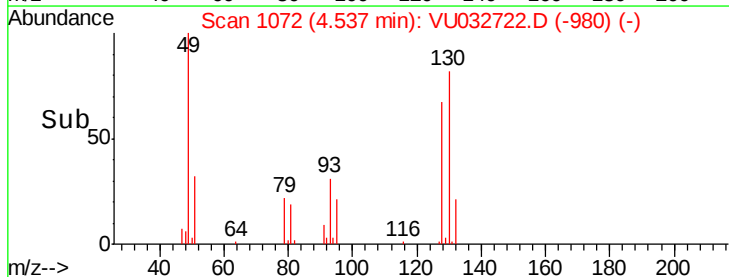
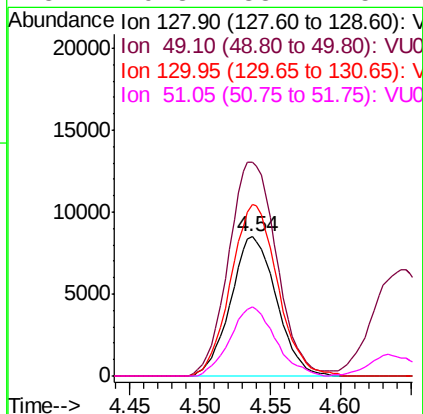
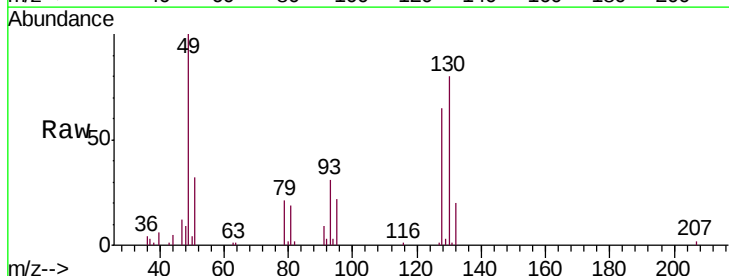
Tgt Ion: 96 Resp: 41409
 Ion Ratio Lower Upper
 96 100
 61 136.9 86.6 160.8
 68 0.0 0.0 0.0

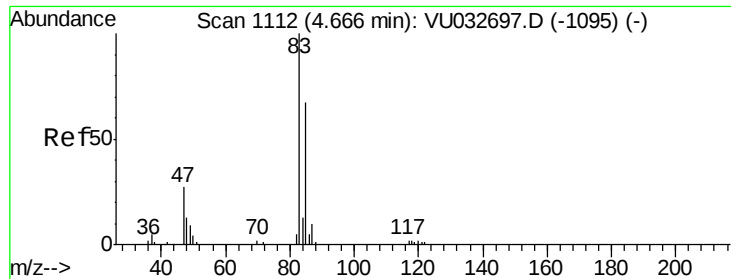


#23

Bromochloromethane
 Concen: 5.187 ug/L
 RT: 4.54 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion: 128 Resp: 19274
 Ion Ratio Lower Upper
 128 100
 49 153.6 107.8 200.2
 130 123.6 89.3 165.9
 51 49.3 38.2 57.4





#25

Chloroform

Concen: 5.242 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

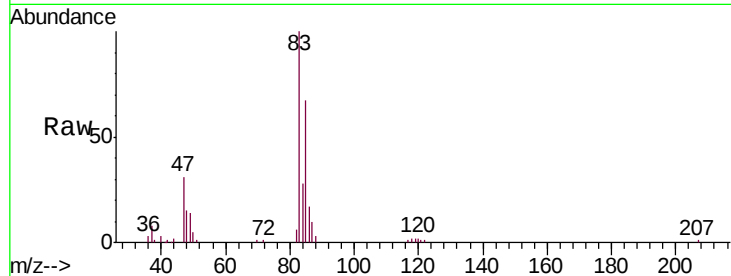
VSTD00525

Tgt Ion: 83 Resp: 73122

Ion Ratio Lower Upper

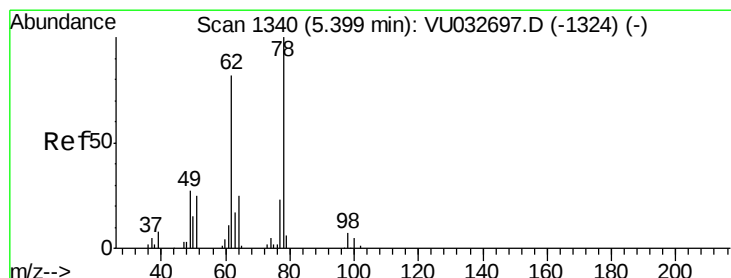
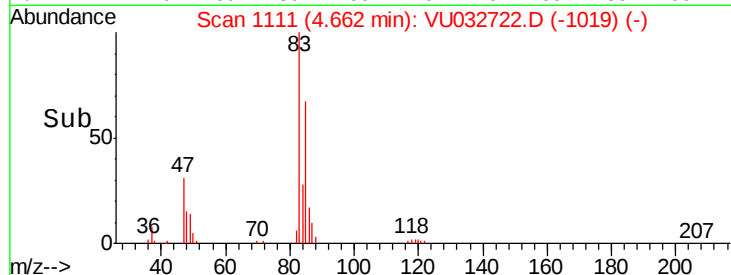
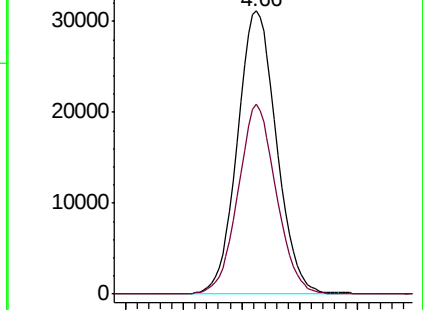
83 100

85 67.0 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: 5.411 ug/L

RT: 5.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VU032722.D

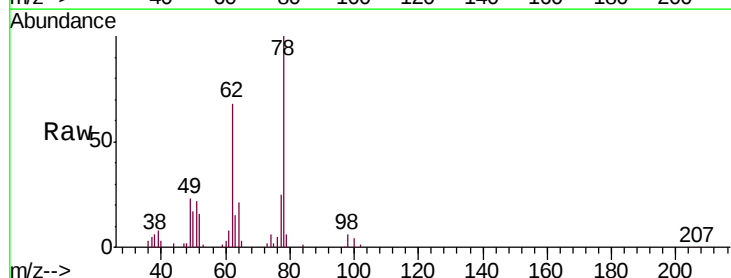
Acq: 14 Jun 2019 14:13

Tgt Ion: 62 Resp: 49603

Ion Ratio Lower Upper

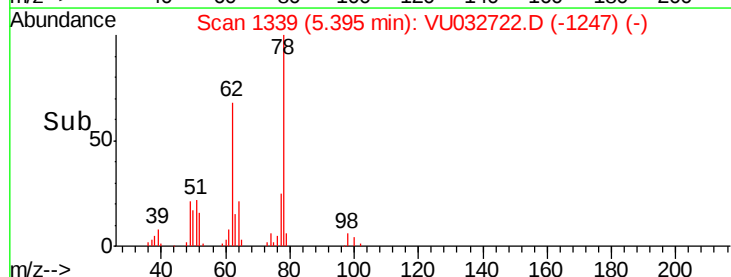
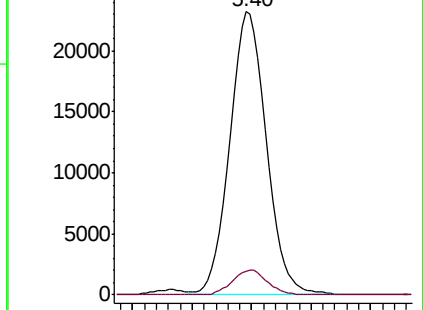
62 100

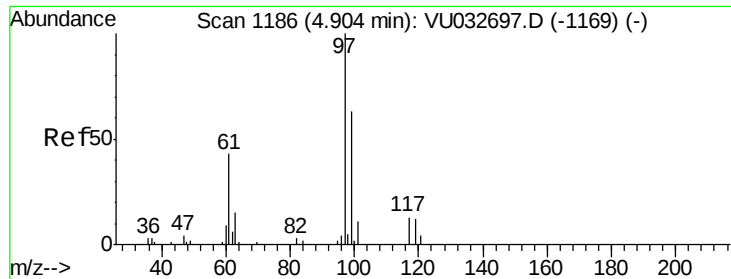
98 8.3 7.0 10.6



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

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

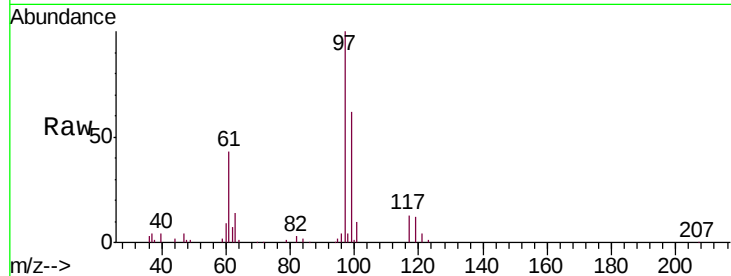




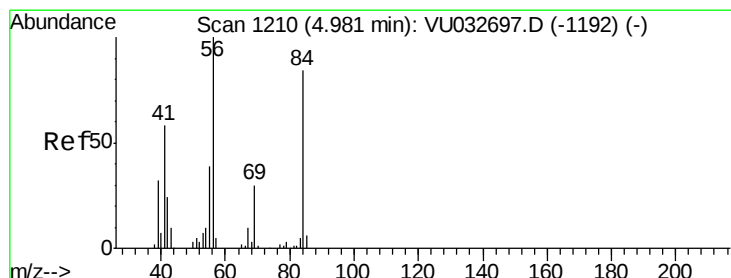
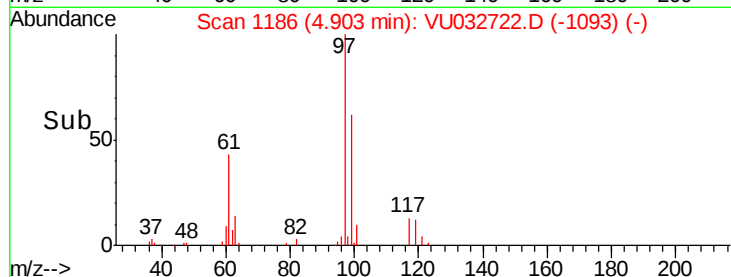
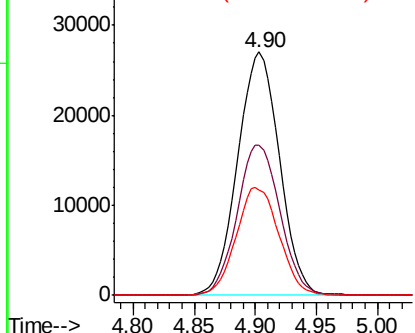
#29
 1,1,1-Trichloroethane
 Concen: 5.083 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion: 97 Resp: 64174
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.8 77.6
 61 45.5 34.7 52.1

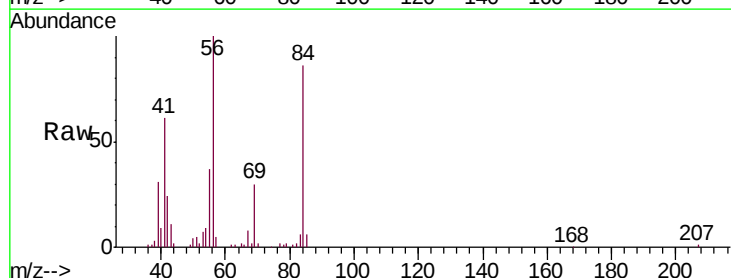


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

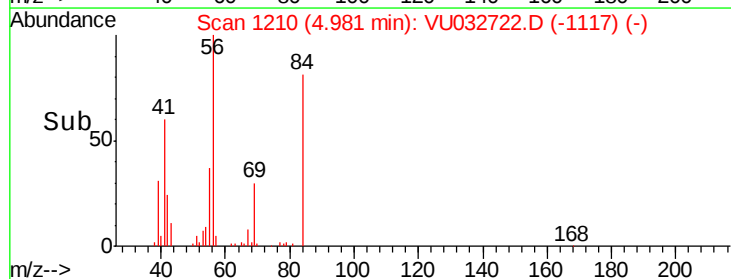
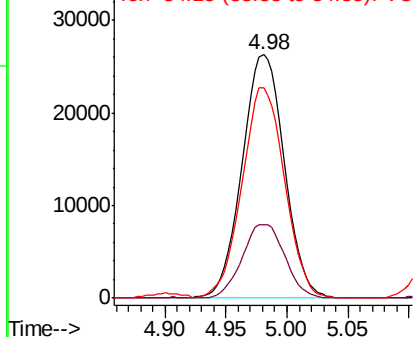


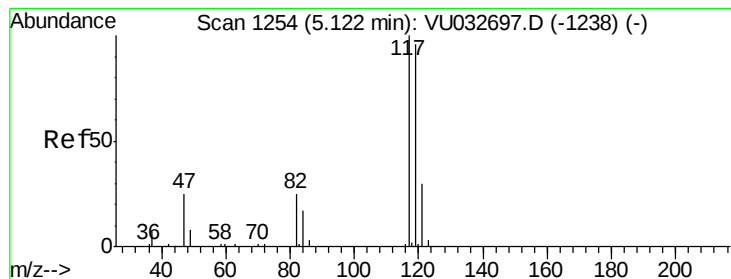
#30
 Cyclohexane
 Concen: 4.720 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion: 56 Resp: 62980
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.9 37.3
 84 87.1 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: 4.962 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

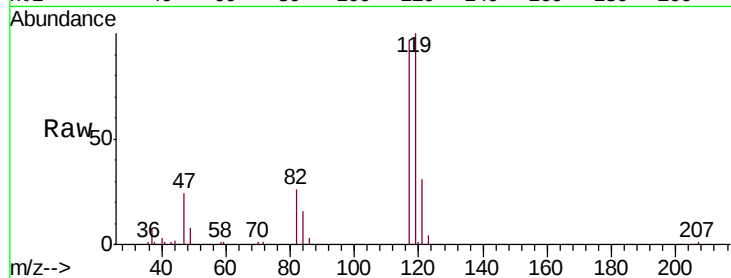
VSTD00525

Tgt Ion:117 Resp: 56956

Ion Ratio Lower Upper

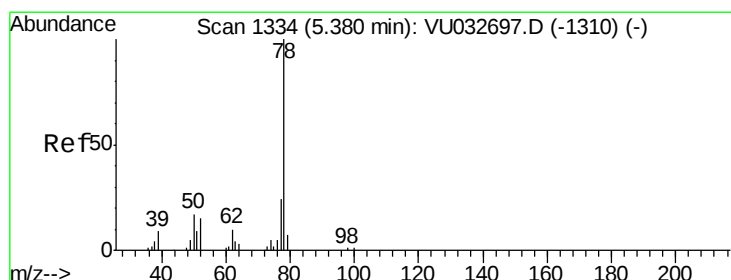
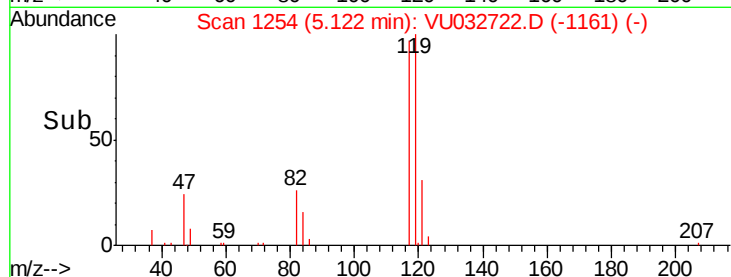
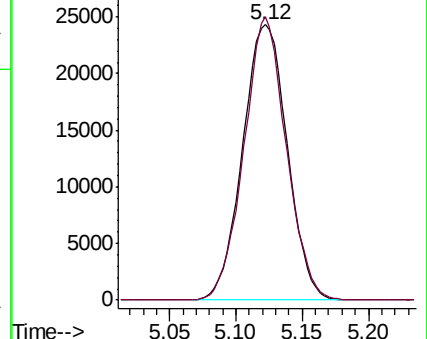
117 100

119 97.5 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: 5.035 ug/L

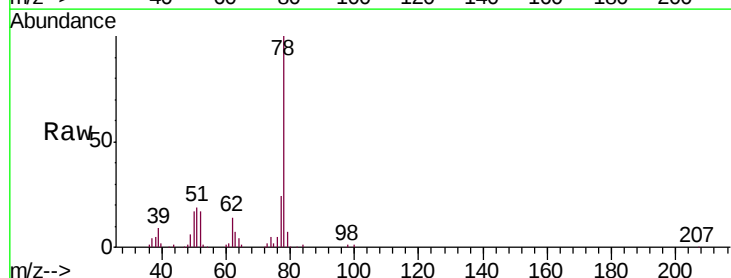
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

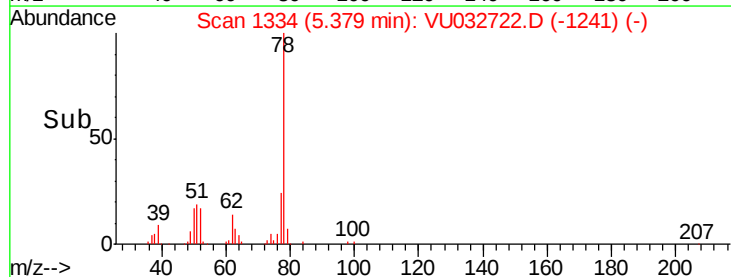
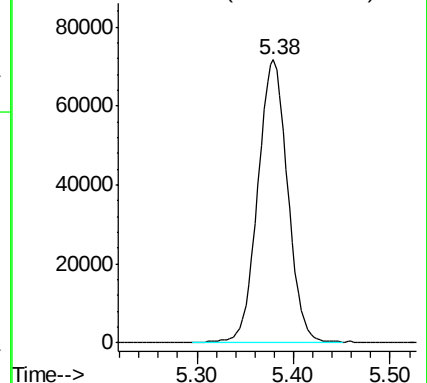
Lab File: VU032722.D

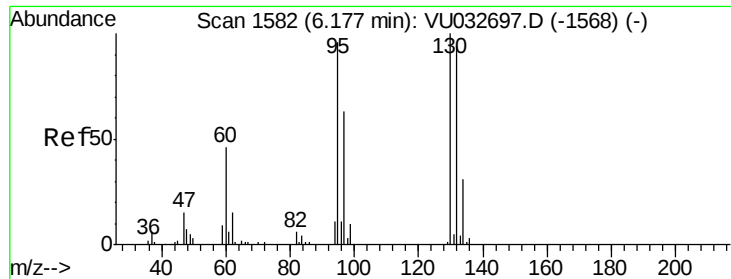
Acq: 14 Jun 2019 14:13

Tgt Ion: 78 Resp: 153789



Abundance Ion 78.10 (77.80 to 78.80): VU0

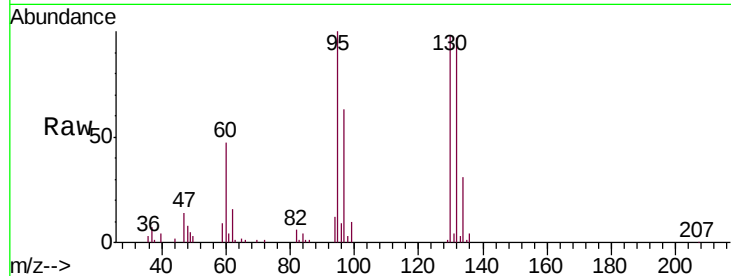




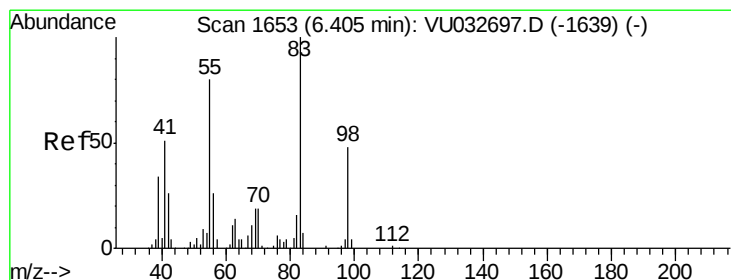
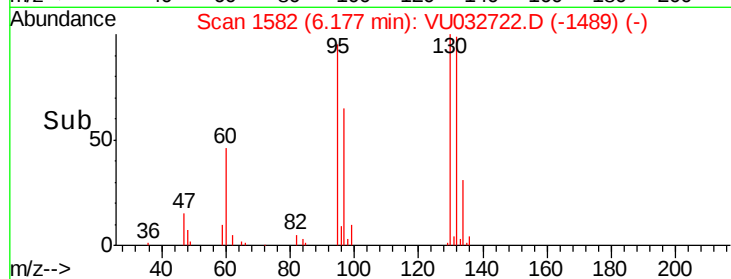
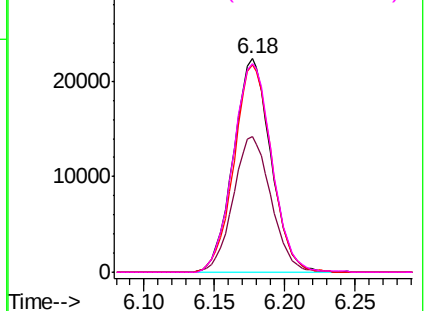
#34
 Trichloroethene
 Concen: 4.757 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion:	95	Resp:	41796
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.1	81.9
132	97.3	68.8	127.8
130	97.9	71.0	131.8

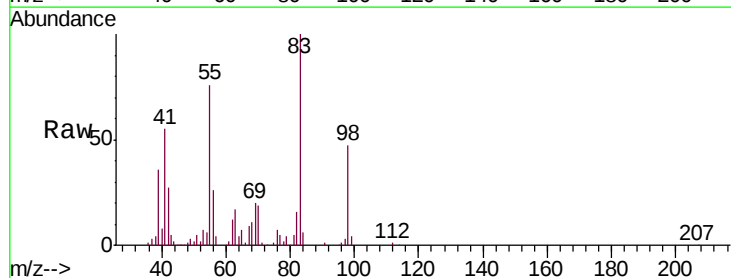


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

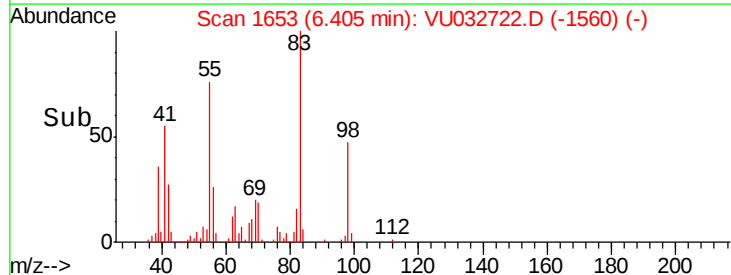
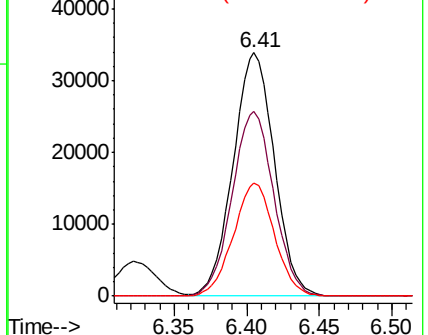


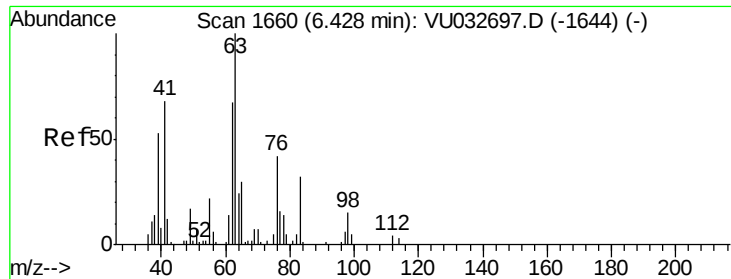
#35
 Methylcyclohexane
 Concen: 4.747 ug/L
 RT: 6.41 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion:	83	Resp:	67079
Ion	Ratio	Lower	Upper
83	100		
55	76.6	60.0	90.0
98	46.4	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

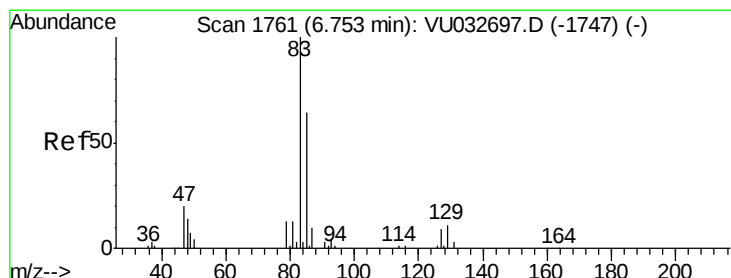
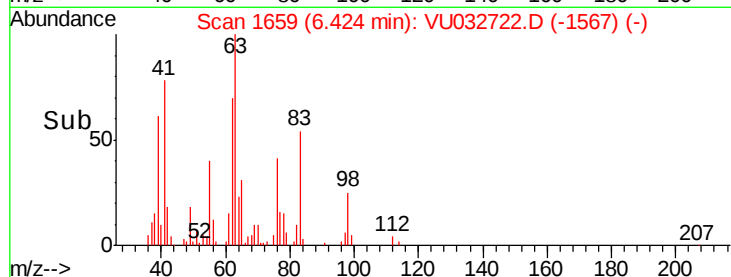
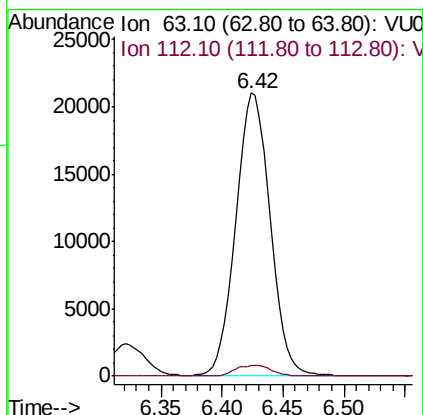
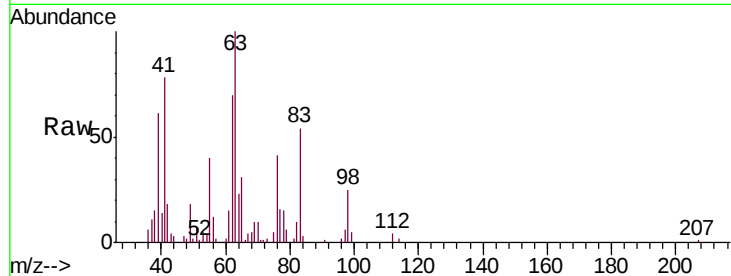




#37
 1,2-Dichloropropane
 Concen: 5.194 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

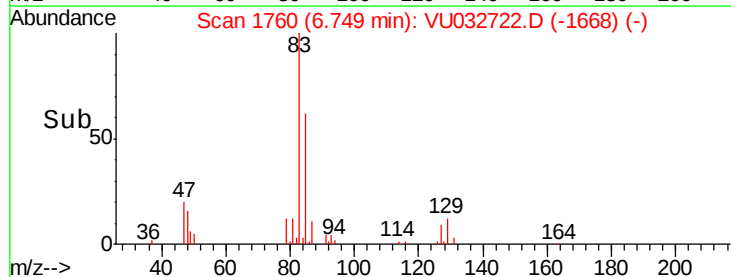
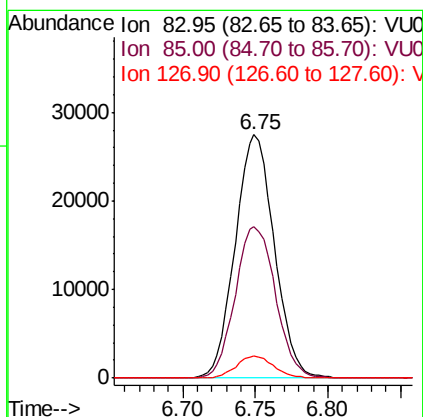
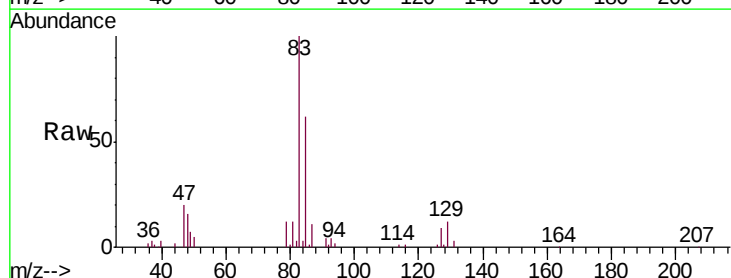
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

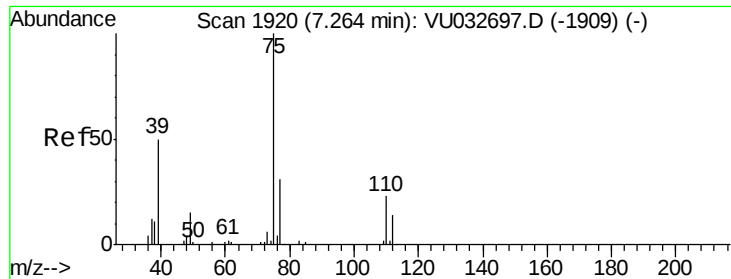
Tgt Ion: 63 Resp: 41046
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.070 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion: 83 Resp: 51507
 Ion Ratio Lower Upper
 83 100
 85 62.2 45.2 84.0
 127 8.9 7.4 11.2

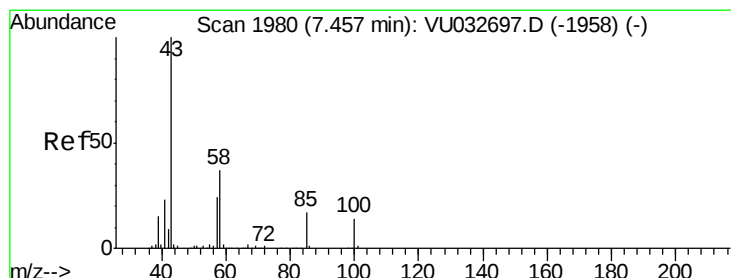
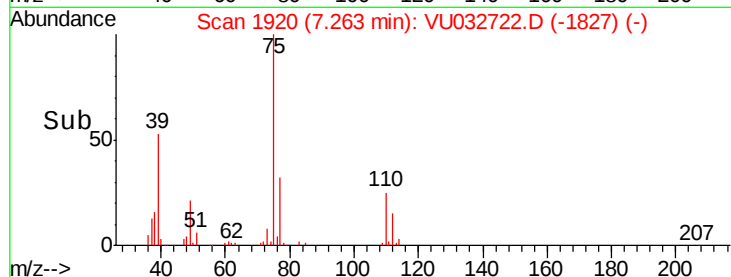
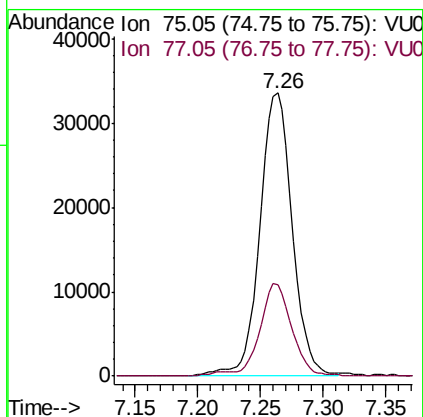
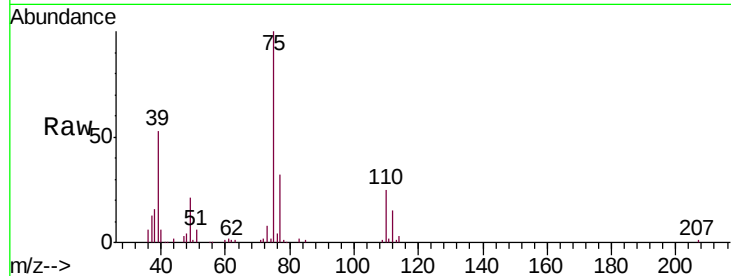




#39
 cis-1,3-Dichloropropene
 Concen: 4.971 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

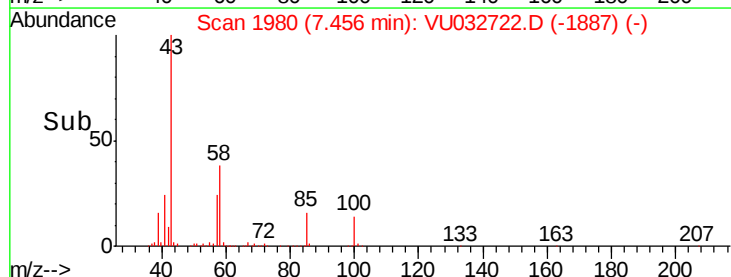
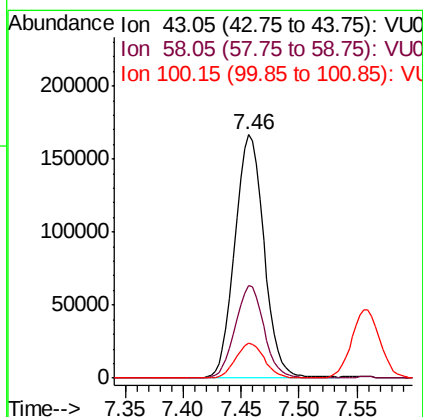
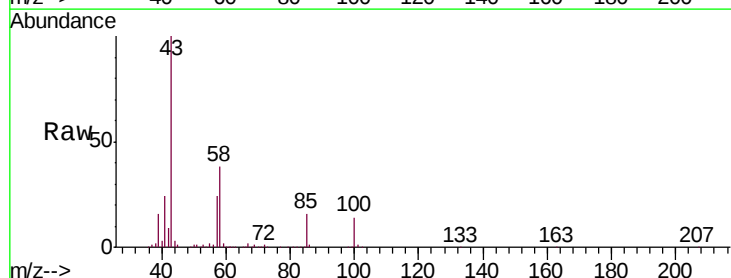
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

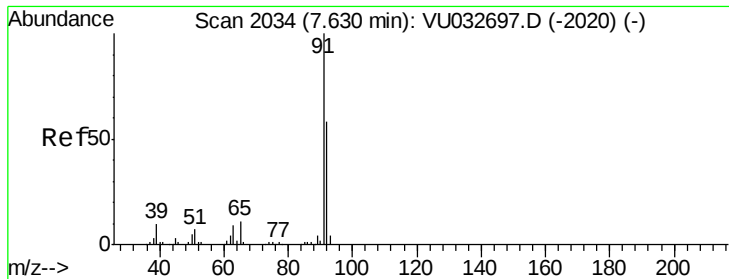
Tgt Ion: 75 Resp: 60313
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 51.688 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion: 43 Resp: 290703
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.9 46.3
 100 14.0 11.9 17.9





#42

Toluene

Concen: 4.897 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

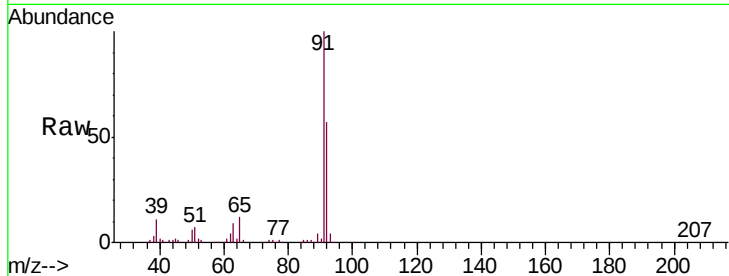
VSTD00525

Tgt Ion: 91 Resp: 166718

Ion Ratio Lower Upper

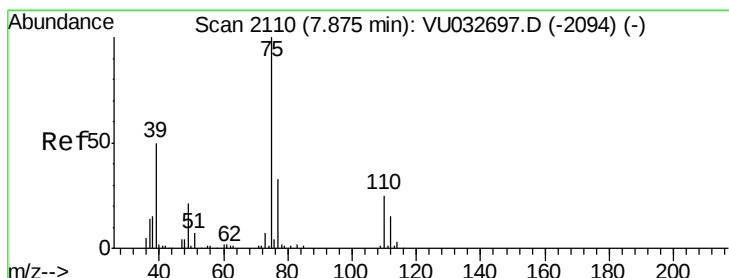
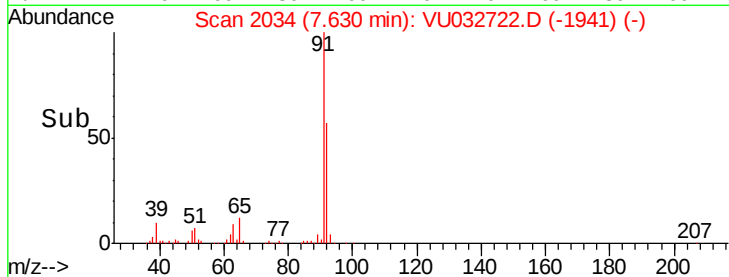
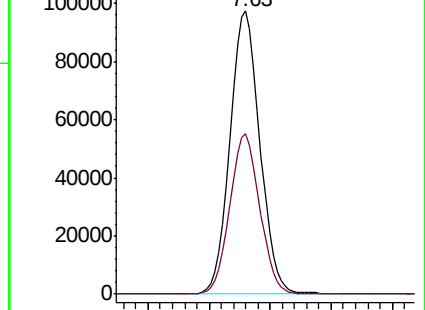
91 100

92 56.7 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032722.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU032722.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.181 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032722.D

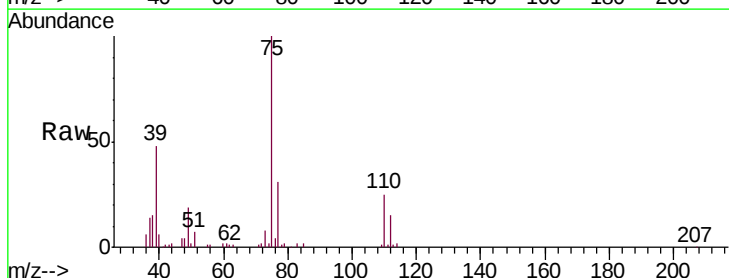
Acq: 14 Jun 2019 14:13

Tgt Ion: 75 Resp: 50192

Ion Ratio Lower Upper

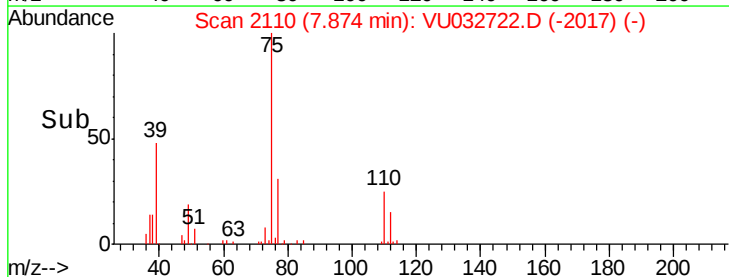
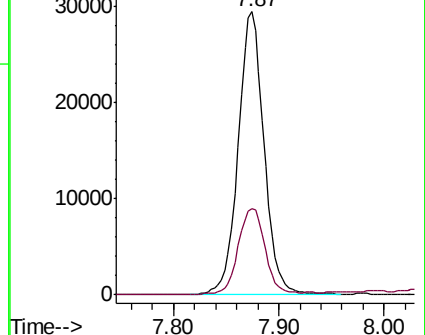
75 100

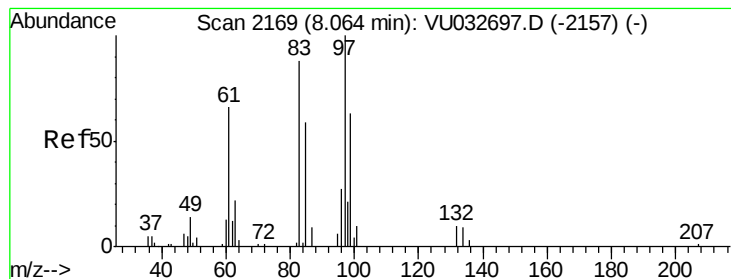
77 30.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032722.D (-2017) (-)

Ion 77.05 (76.75 to 77.75): VU032722.D (-2017) (-)





#45

1,1,2-Trichloroethane

Concen: 5.008 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion: 97 Resp: 28795

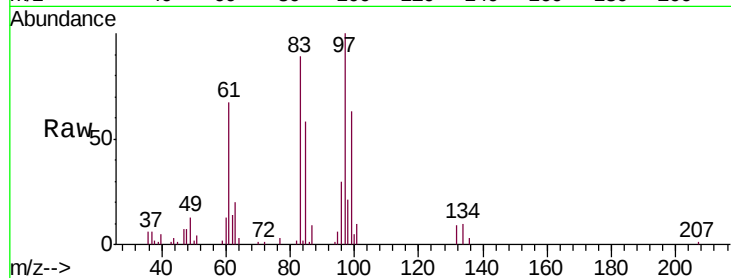
Ion Ratio Lower Upper

97 100

99 62.7 44.9 83.3

83 89.2 58.7 108.9

85 58.4 37.9 70.5

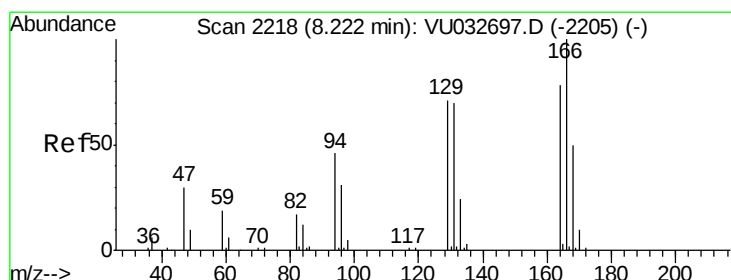
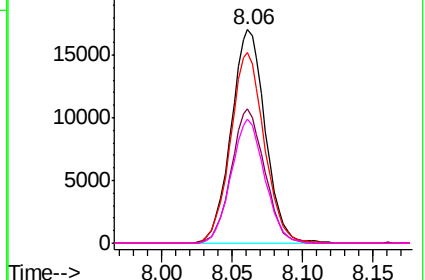
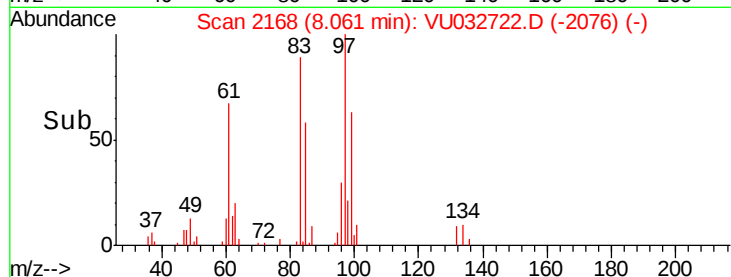


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.017 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Tgt Ion: 164 Resp: 34692

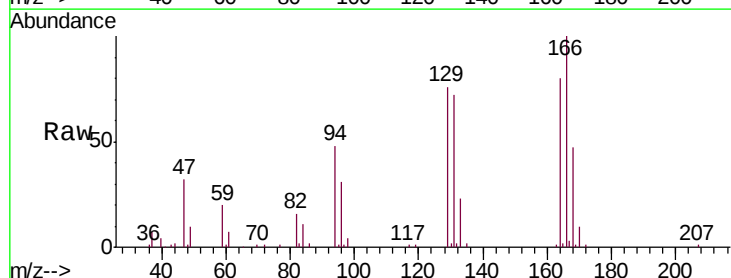
Ion Ratio Lower Upper

164 100

129 95.1 66.1 122.7

131 89.8 65.6 121.8

166 125.1 93.2 173.2

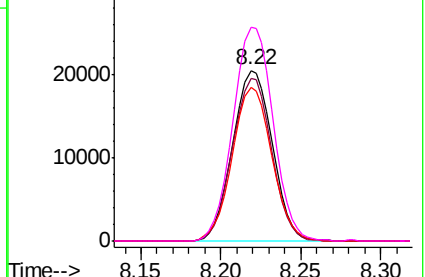
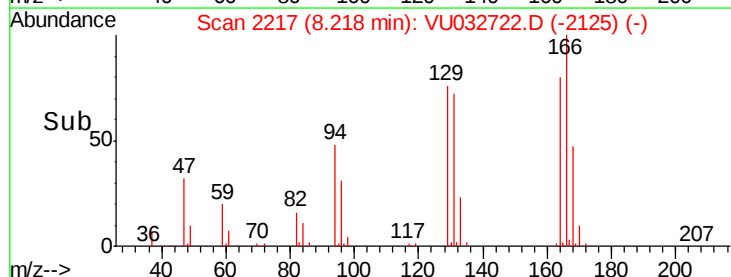


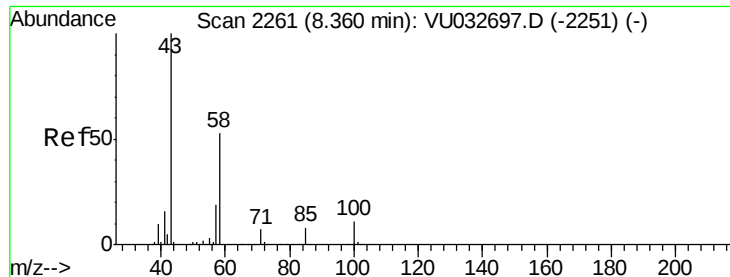
Abundance Ion 163.90 (163.60 to 164.60): V

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

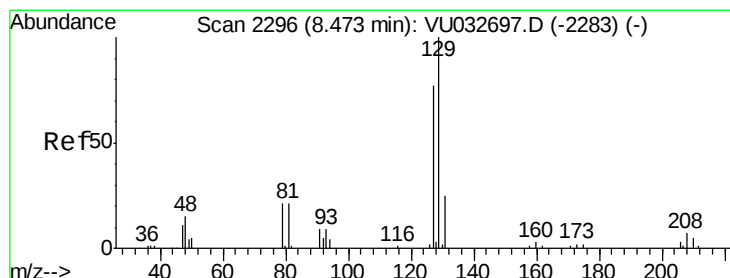
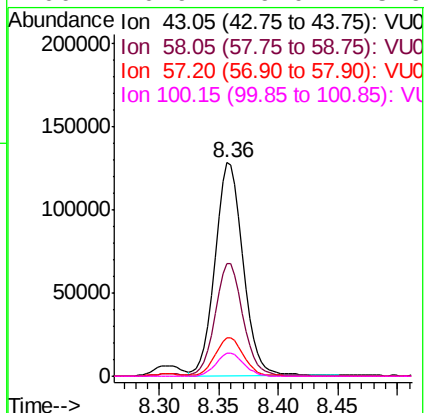
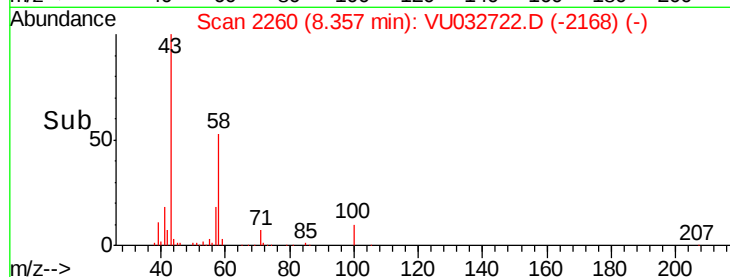
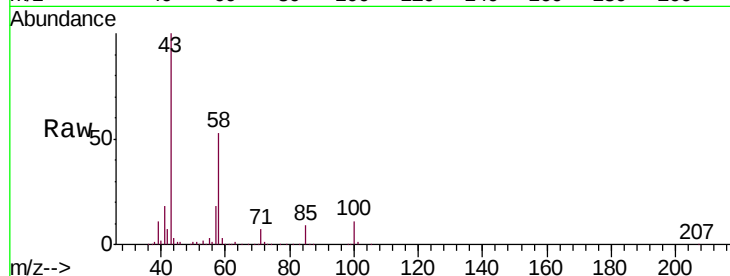




#48
2-Hexanone
Concen: 52.087 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032722.D
Acq: 14 Jun 2019 14:13

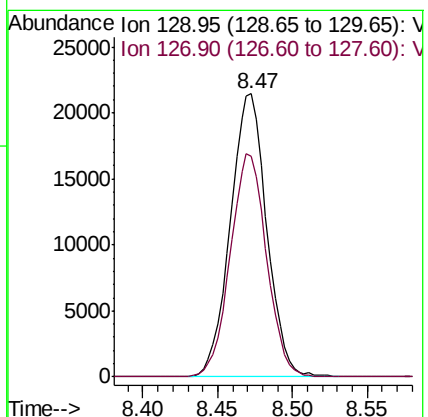
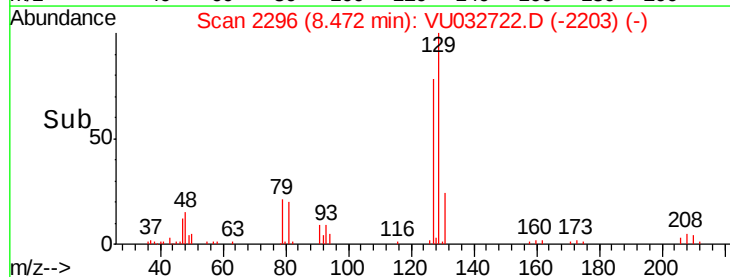
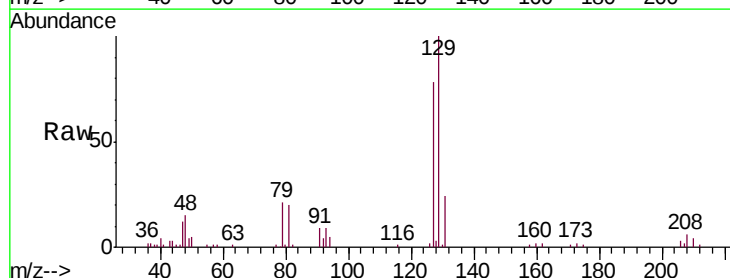
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

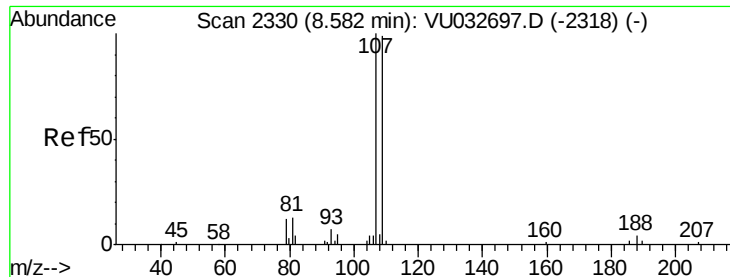
Tgt Ion: 43 Resp: 209346
Ion Ratio Lower Upper
43 100
58 52.3 41.9 62.9
57 18.2 15.1 22.7
100 10.9 9.0 13.6



#49
Dibromochloromethane
Concen: 4.934 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032722.D
Acq: 14 Jun 2019 14:13

Tgt Ion: 129 Resp: 36291
Ion Ratio Lower Upper
129 100
127 77.9 53.3 98.9

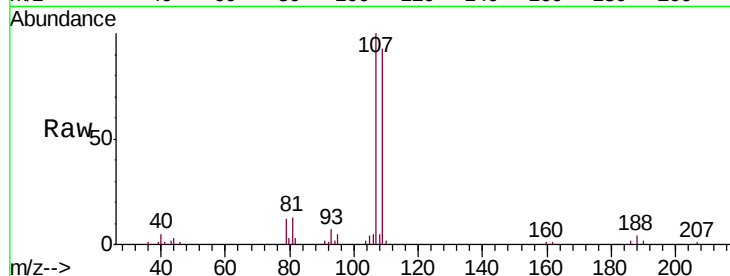




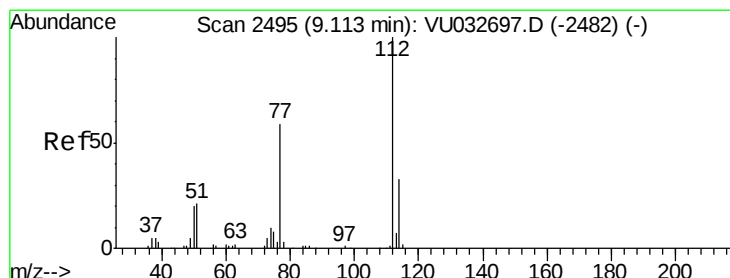
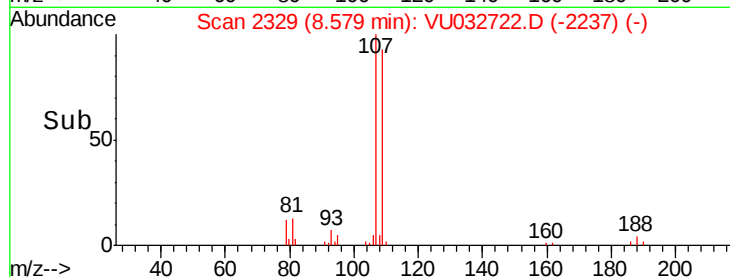
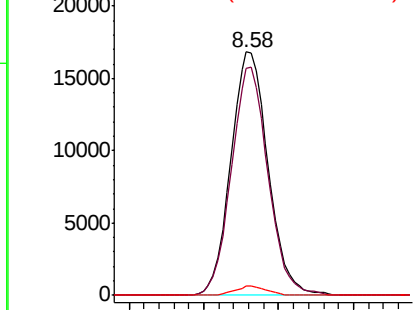
#50
1,2-Dibromoethane
Concen: 5.086 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU032722.D
Acq: 14 Jun 2019 14:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion:107 Resp: 29147
Ion Ratio Lower Upper
107 100
109 93.3 65.2 121.0
188 3.6 3.1 4.7

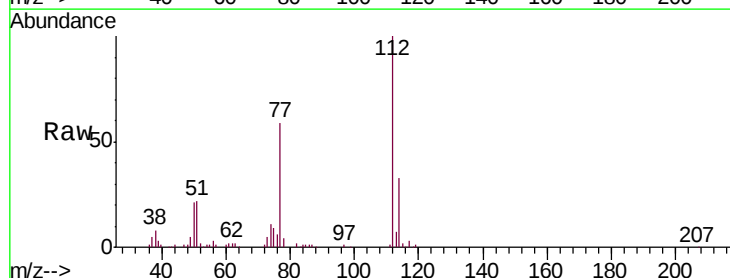


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

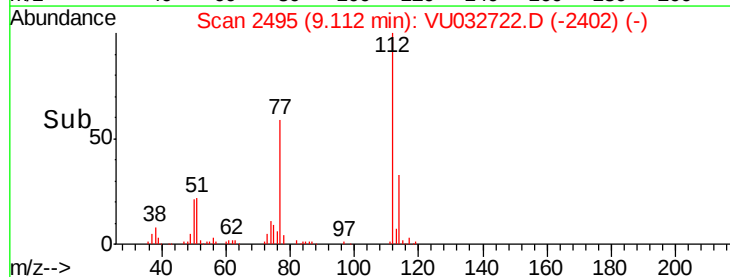
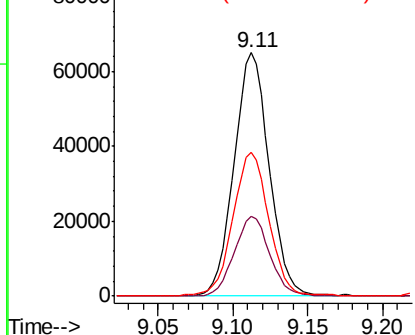


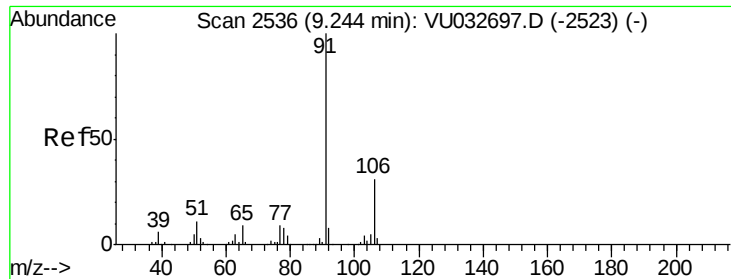
#51
Chlorobenzene
Concen: 4.980 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032722.D
Acq: 14 Jun 2019 14:13

Tgt Ion:112 Resp: 106294
Ion Ratio Lower Upper
112 100
114 32.7 22.4 41.6
77 59.0 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: 4.881 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

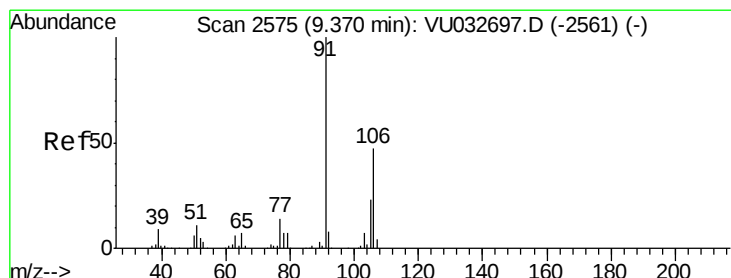
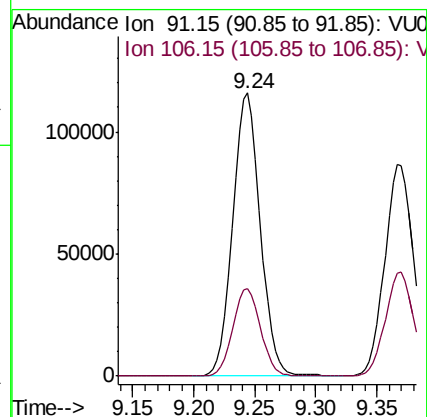
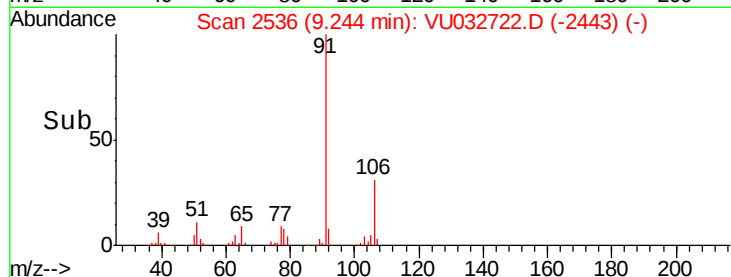
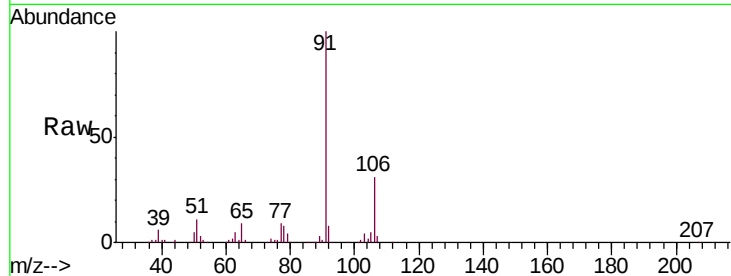
VSTD00525

Tgt Ion: 91 Resp: 183126

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



#53

m,p-Xylene

Concen: 4.903 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032722.D

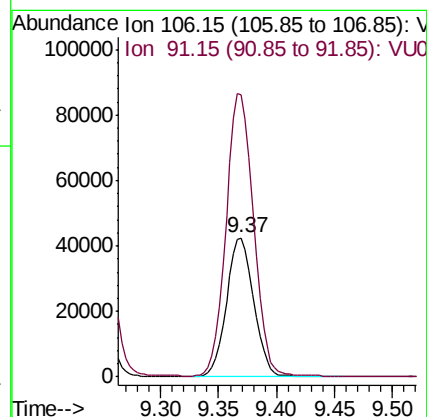
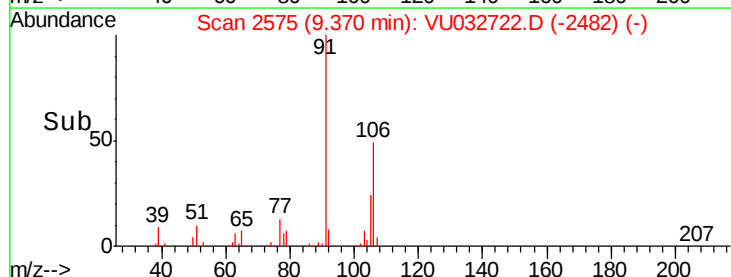
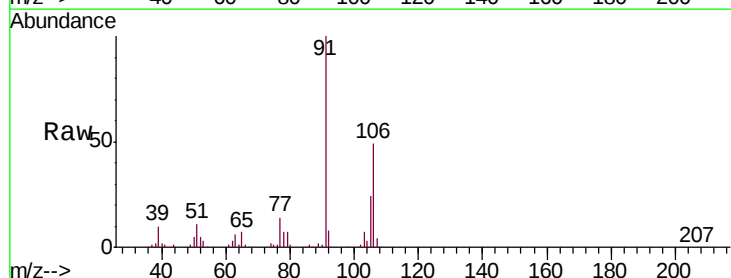
Acq: 14 Jun 2019 14:13

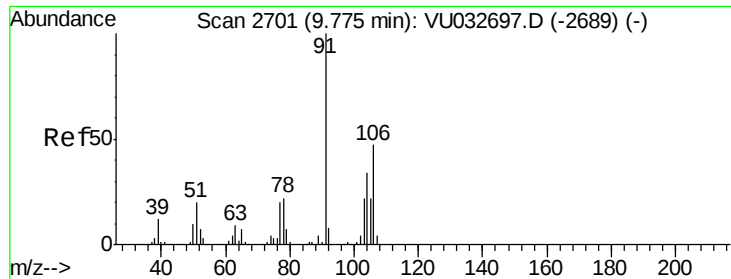
Tgt Ion: 106 Resp: 69743

Ion Ratio Lower Upper

106 100

91 202.3 142.4 264.4

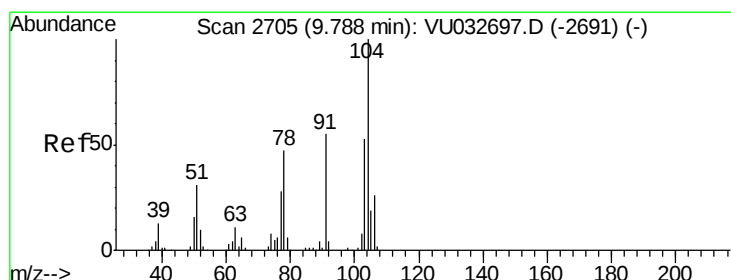
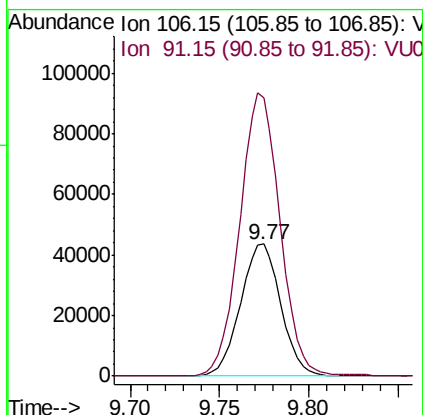
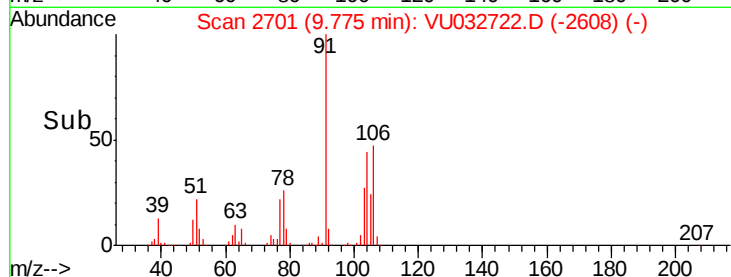
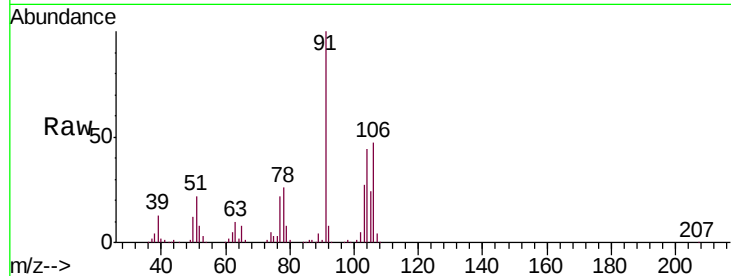




#54
o-Xylene
Concen: 4.818 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU032722.D
Acq: 14 Jun 2019 14:13

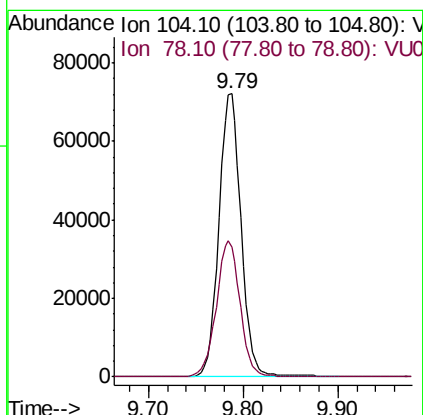
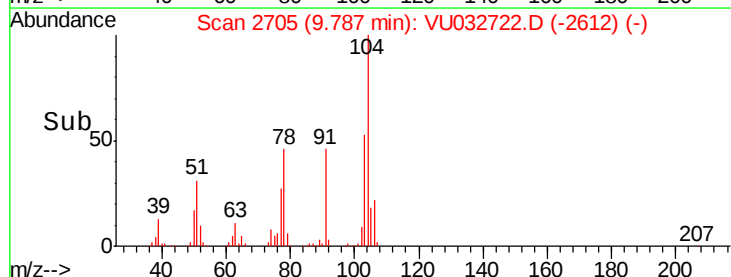
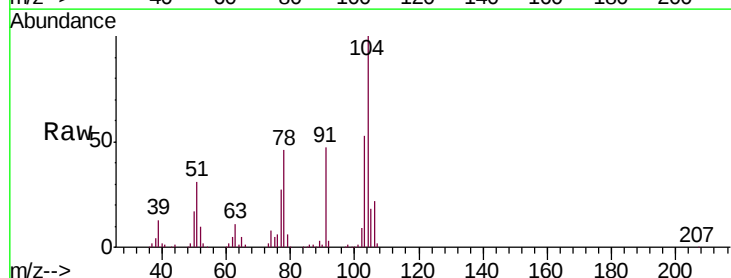
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

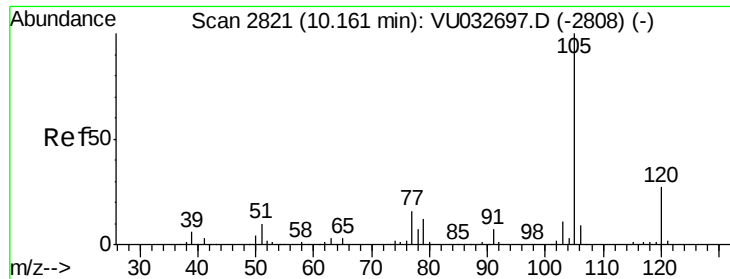
Tgt Ion:106 Resp: 68391
Ion Ratio Lower Upper
106 100
91 210.9 148.8 276.4



#55
Styrene
Concen: 5.040 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032722.D
Acq: 14 Jun 2019 14:13

Tgt Ion:104 Resp: 117713
Ion Ratio Lower Upper
104 100
78 45.9 32.2 59.8





#56

Isopropylbenzene

Concen: 4.923 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

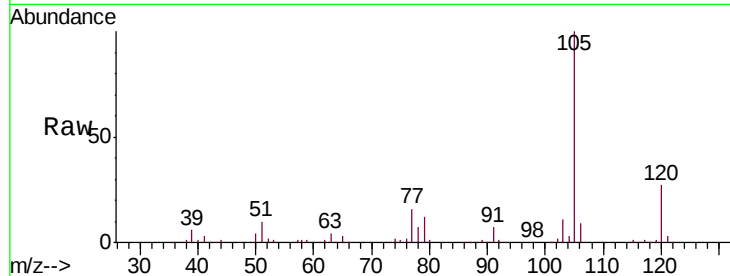
Tgt Ion: 105 Resp: 184353

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

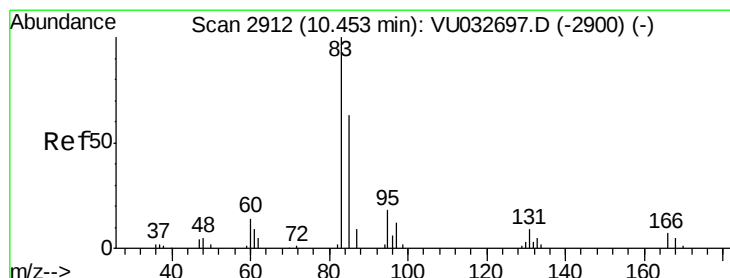
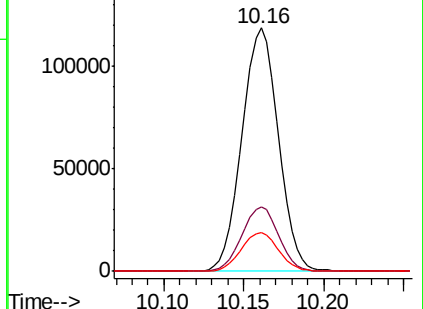
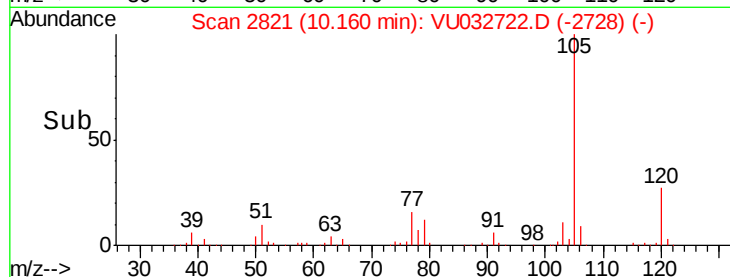
77 16.4 12.3 18.5



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: 5.437 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

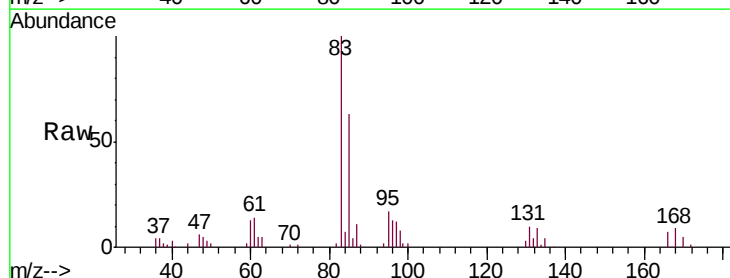
Tgt Ion: 83 Resp: 39980

Ion Ratio Lower Upper

83 100

85 63.4 45.7 84.9

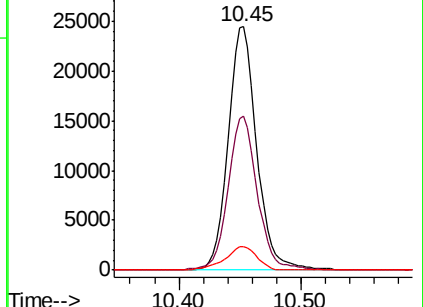
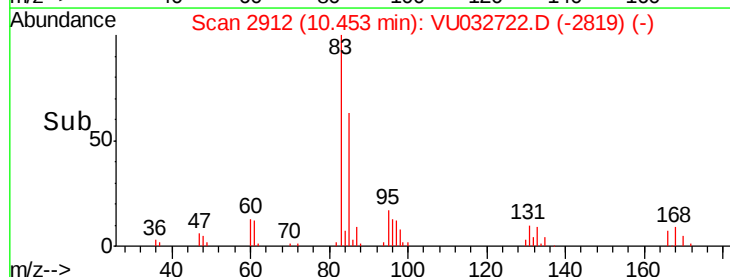
131 9.8 8.0 12.0

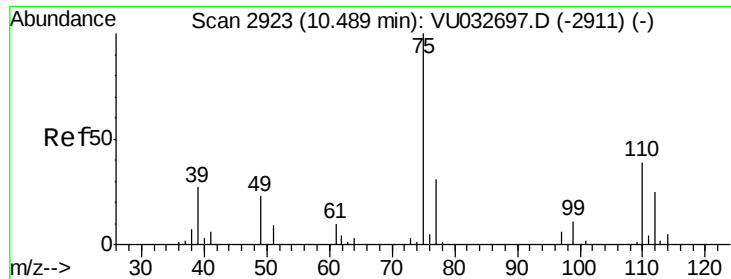


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

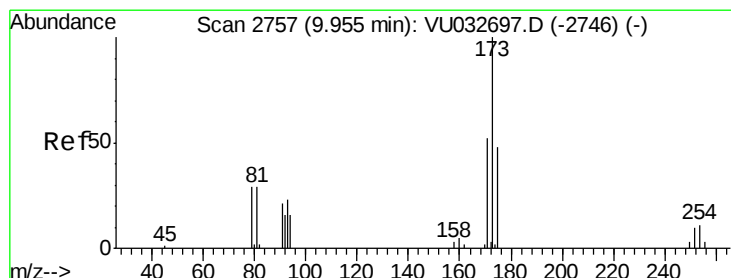
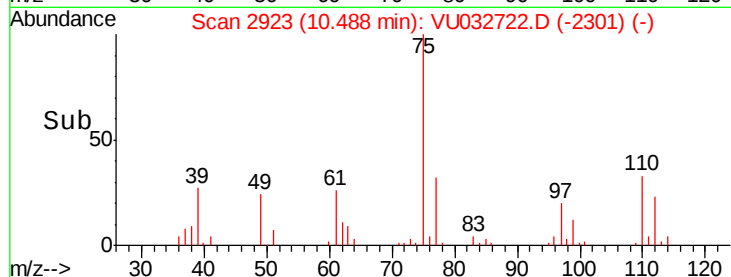
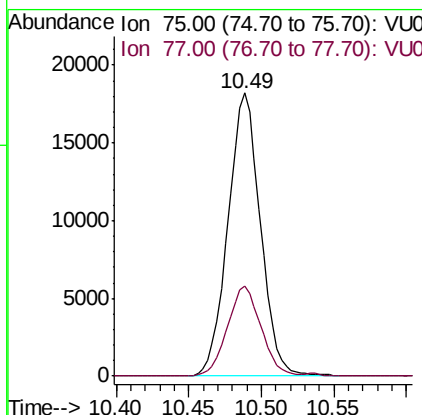
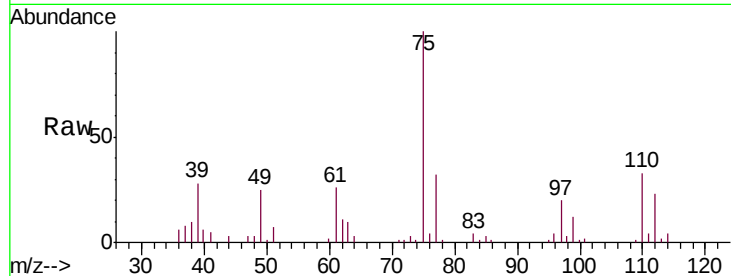




#59
 1,2,3-Trichloropropane
 Concen: 5.453 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

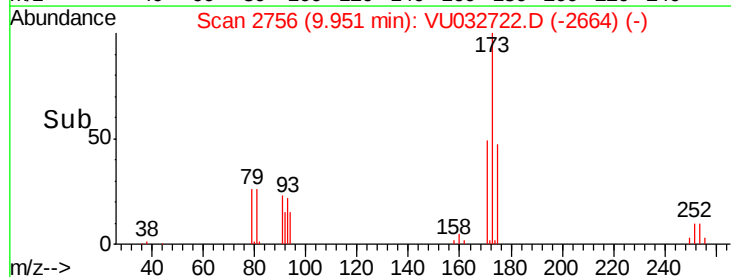
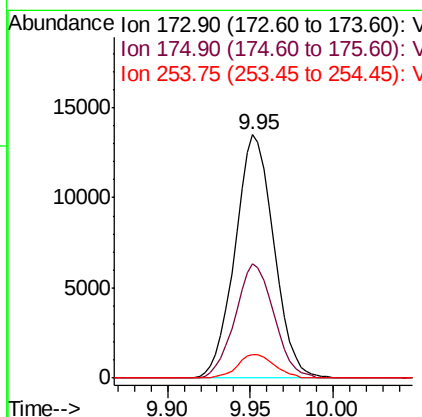
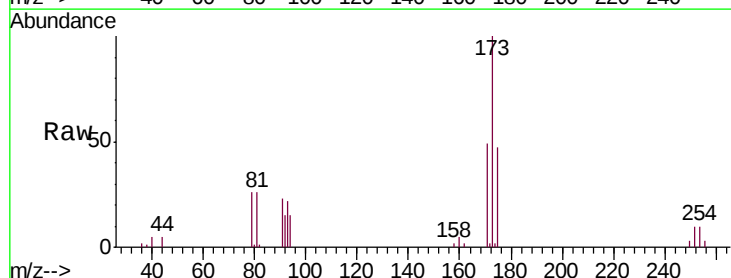
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

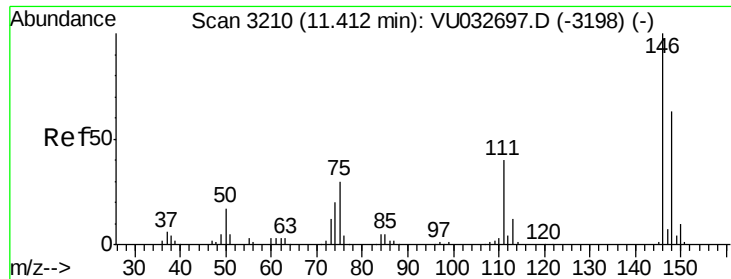
Tgt Ion: 75 Resp: 28299
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.3 37.9



#61
 Bromoform
 Concen: 4.676 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion: 173 Resp: 21951
 Ion Ratio Lower Upper
 173 100
 175 47.0 37.9 56.9
 254 9.3 6.8 10.2

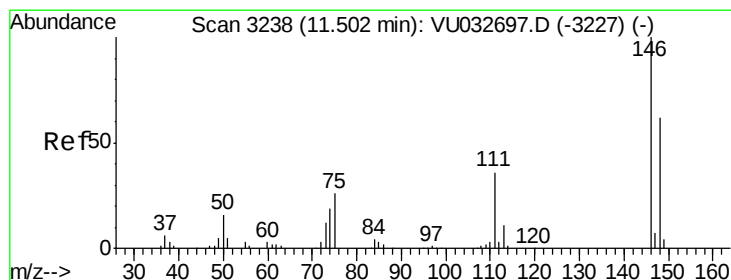
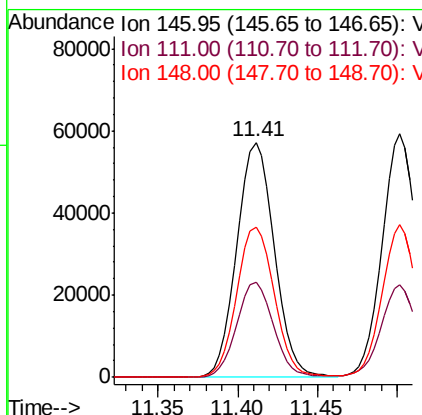
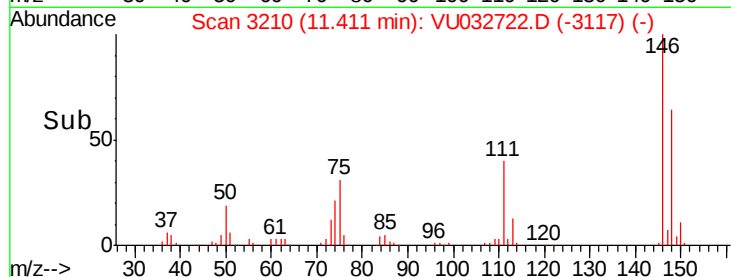
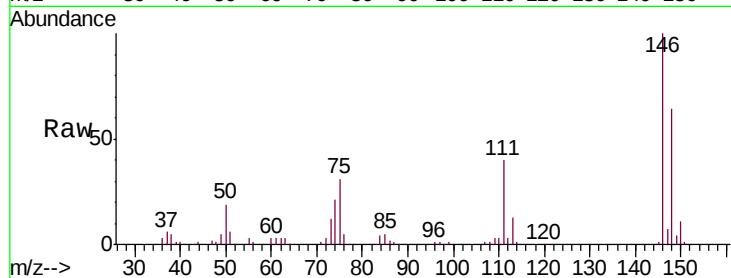




#62
 1,3-Dichlorobenzene
 Concen: 4.797 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

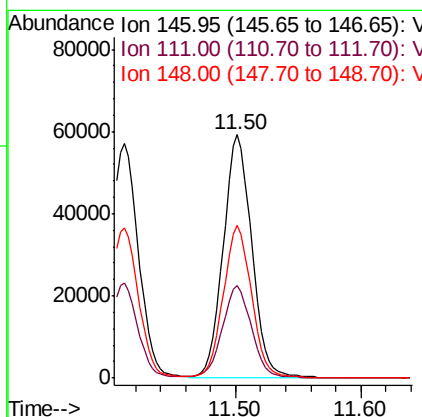
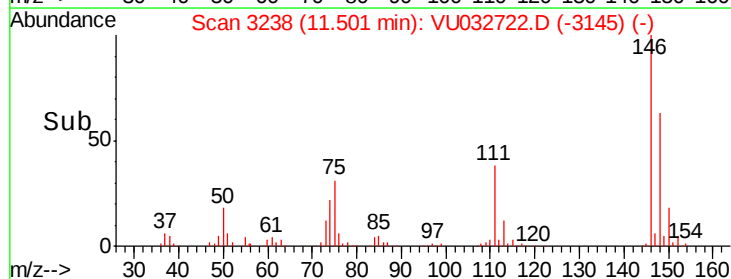
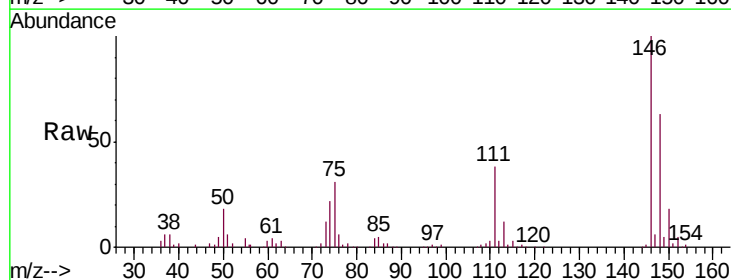
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

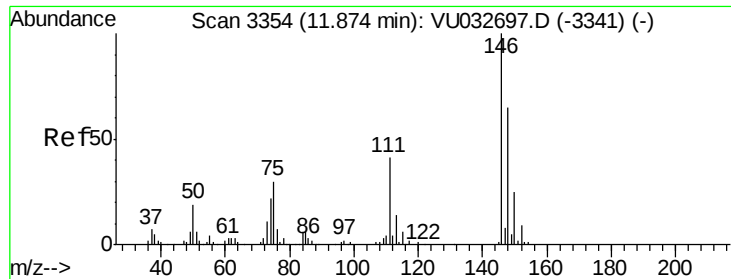
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	27.7	51.5
148	63.8	44.7	83.1



#63
 1,4-Dichlorobenzene
 Concen: 4.836 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.2	48.6
148	62.6	43.9	81.5

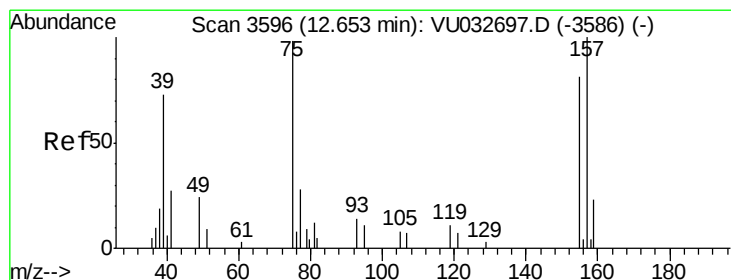
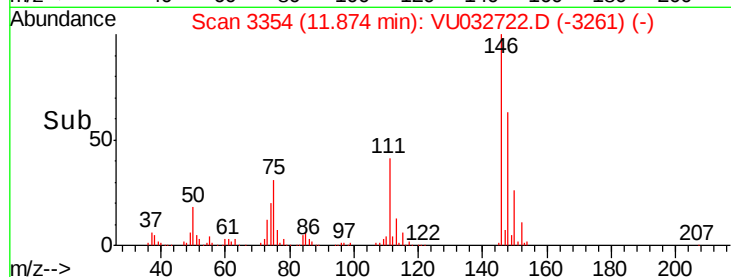
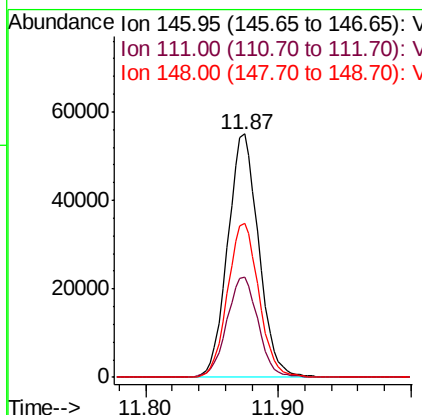
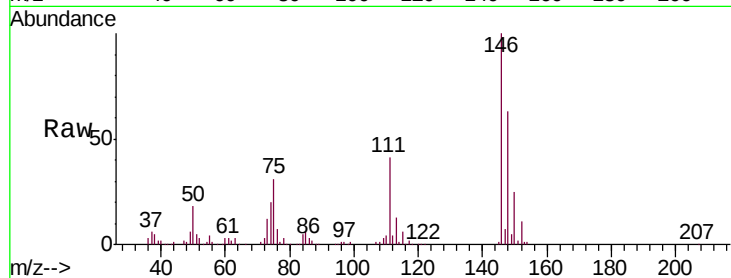




#65
 1,2-Dichlorobenzene
 Concen: 4.846 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

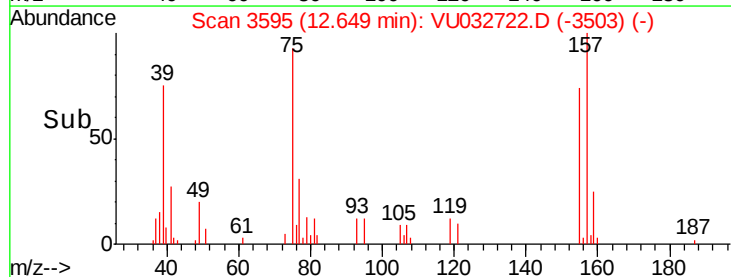
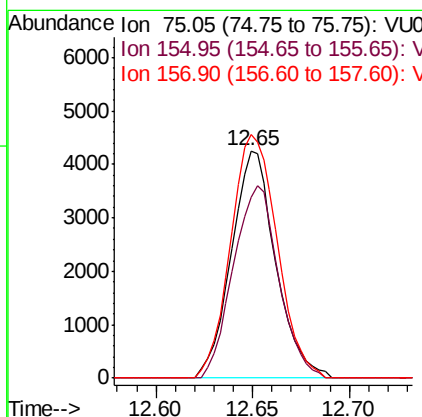
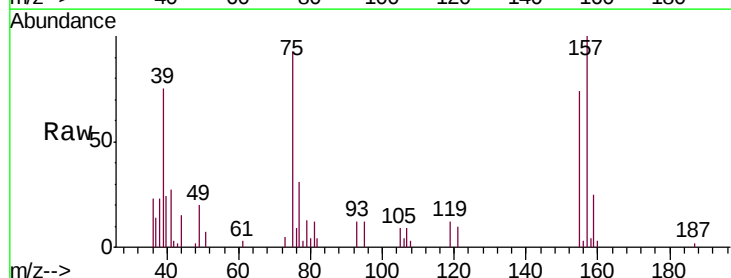
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

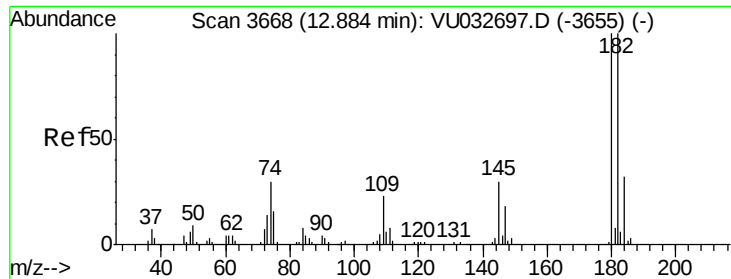
Tgt Ion: 146 Resp: 89307
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.0 49.4
 148 63.5 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.243 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion: 75 Resp: 6785
 Ion Ratio Lower Upper
 75 100
 155 79.4 72.3 108.5
 157 107.1 87.4 131.0

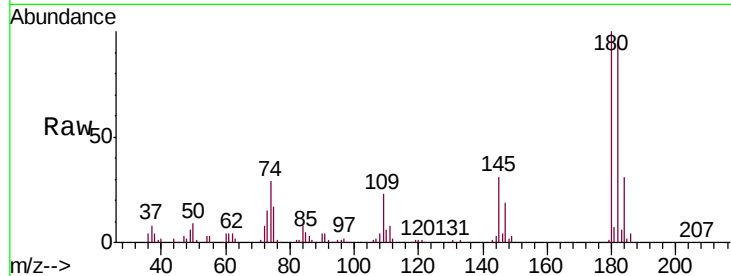




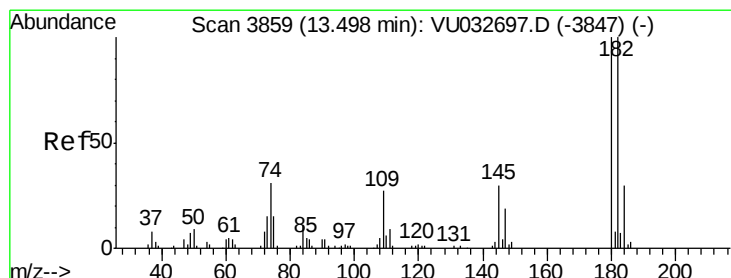
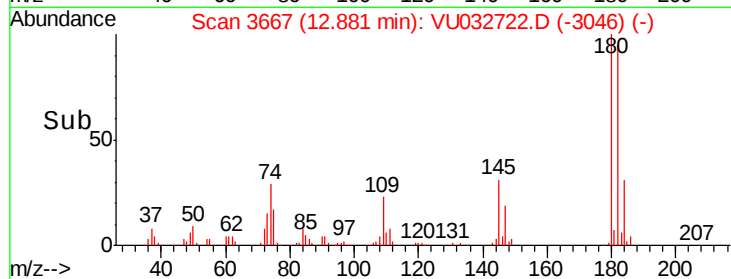
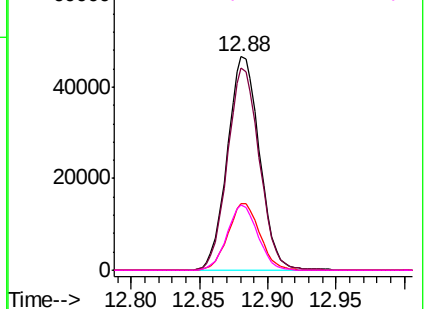
#67
 1,3,5-Trichlorobenzene
 Concen: 4.997 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion:180 Resp: 76388
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.6 115.0
 184 30.8 24.2 36.4
 145 28.9 23.5 35.3

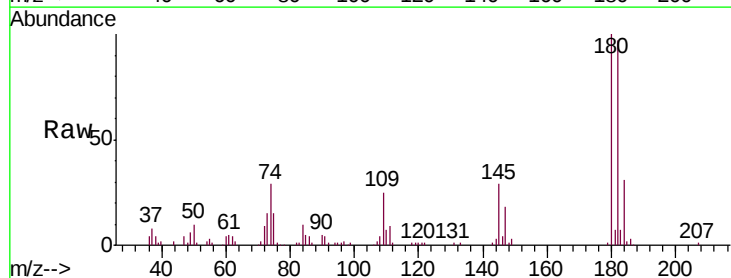


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

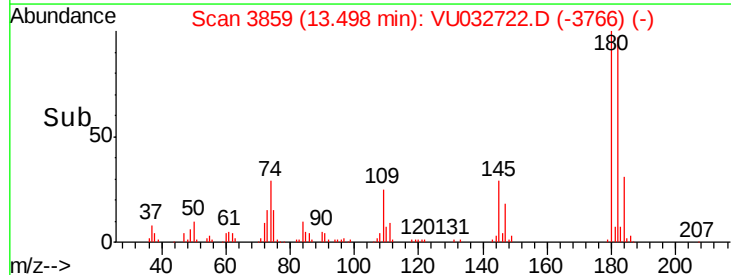
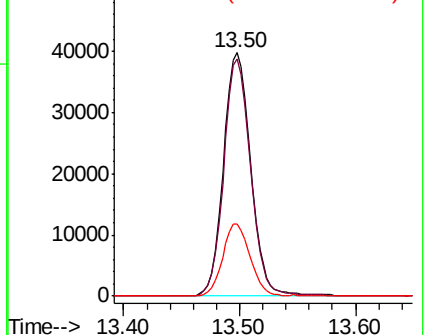


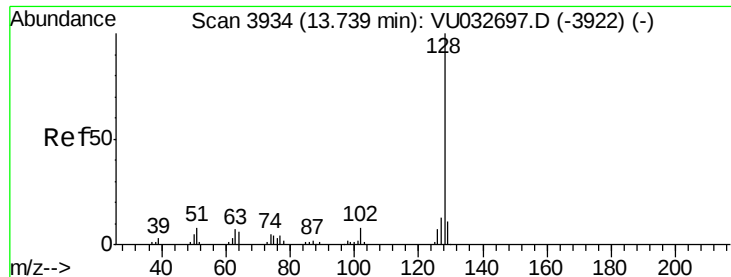
#68
 1,2,4-trichlorobenzene
 Concen: 5.275 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032722.D
 Acq: 14 Jun 2019 14:13

Tgt Ion:180 Resp: 65022
 Ion Ratio Lower Upper
 180 100
 182 96.0 74.8 112.2
 145 29.5 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: 5.467 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

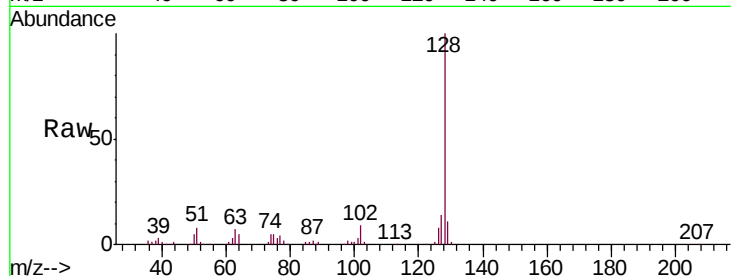
Tgt Ion:128 Resp: 118134

Ion Ratio Lower Upper

128 100

129 10.9 8.1 12.1

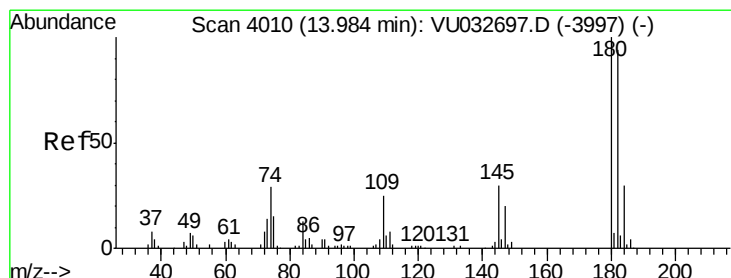
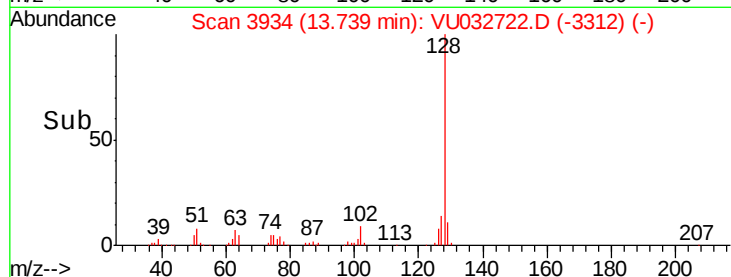
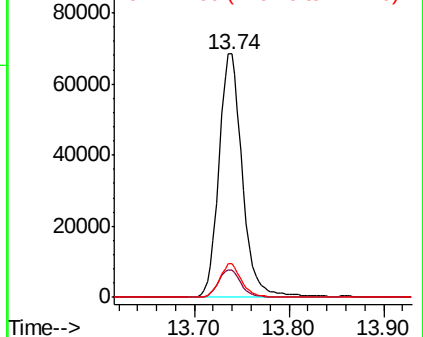
127 12.9 10.4 15.6



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: 4.976 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032722.D

Acq: 14 Jun 2019 14:13

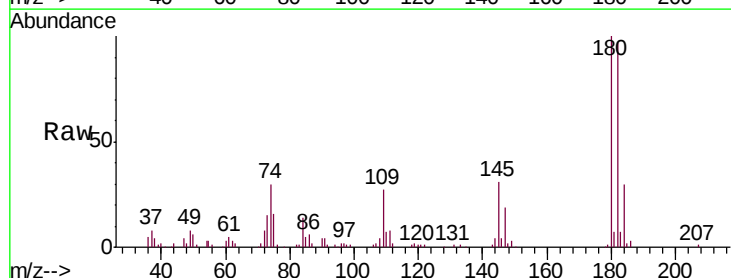
Tgt Ion:180 Resp: 61084

Ion Ratio Lower Upper

180 100

182 94.8 73.8 110.6

145 30.9 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

