

Data File : VU032720.D
Acq On : 14 Jun 2019 01:53
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Quant Time: Jun 14 07:44:16 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	105505	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	97707	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52899	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30848	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.67	69	26538	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.27	63	66856	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.18	46	104660	54.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.34%
24) Chloroform-d	4.64	84	65950	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.30	65	35414	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.33	84	124780	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.32	67	39461	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.56	98	117242	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	7.84	79	16039	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.31	63	86070	53.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	35657	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	48908	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	46142	5.097 ug/L	100
3) Chloromethane	1.32	50	76907	8.191 ug/L	100
5) Vinyl chloride	1.40	62	44599	4.833 ug/L	100
6) Bromomethane	1.61	94	11927	2.119 ug/L	99
8) Chloroethane	1.69	64	27140	4.603 ug/L	98
9) Trichlorofluoromethane	1.88	101	64116	4.855 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	33925	4.831 ug/L	99
12) 1,1-Dichloroethene	2.28	96	30987	4.623 ug/L	97
13) Acetone	2.32	43	74801	50.342 ug/L	95
14) Carbon disulfide	2.47	76	96965	4.517 ug/L	99
15) Methyl Acetate	2.61	43	18695	4.586 ug/L	100
16) Methylene chloride	2.69	84	36114	4.858 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	92359	4.711 ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	34114	4.717 ug/L	99
19) 1,1-Dichloroethane	3.43	63	66181	5.112 ug/L	95
21) 2-Butanone	4.27	43	112154	51.898 ug/L	99
22) cis-1,2-Dichloroethene	4.21	96	38751	4.734 ug/L	91

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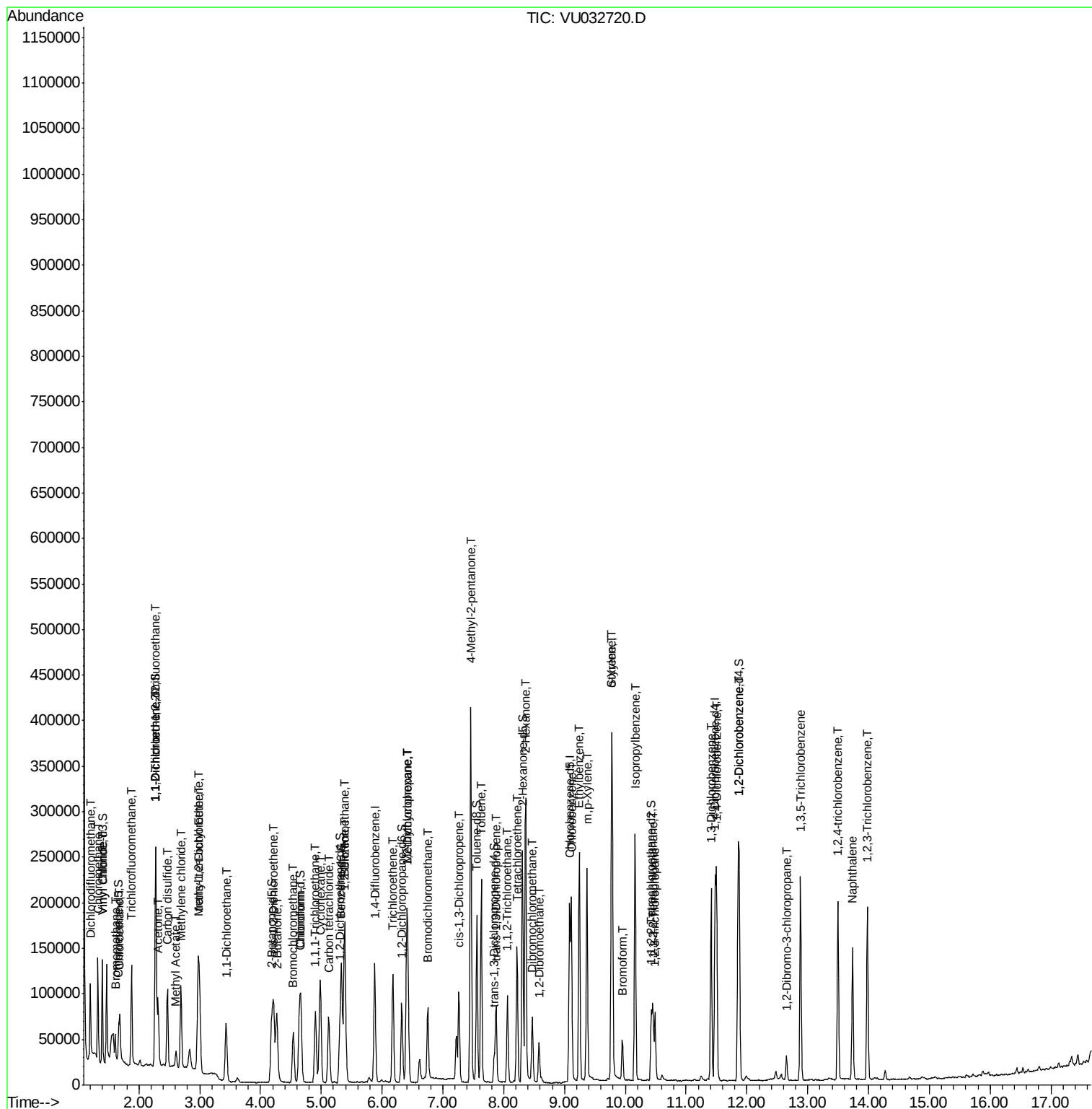
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17817	5.057	ug/L	96
25) Chloroform	4.67	83	68385	5.171	ug/L	98
27) 1,2-Dichloroethane	5.40	62	47690	5.487	ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	59994	5.039	ug/L	97
30) Cyclohexane	4.98	56	59004	4.689	ug/L	98
31) Carbon tetrachloride	5.12	117	51304	4.739	ug/L	100
33) Benzene	5.38	78	144757	5.025	ug/L	100
34) Trichloroethene	6.18	95	39160	4.726	ug/L	98
35) Methylcyclohexane	6.41	83	60065	4.507	ug/L	97
37) 1,2-Dichloropropane	6.42	63	38578	5.176	ug/L	100
38) Bromodichloromethane	6.75	83	48424	5.055	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	55442	4.845	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	273308	51.527	ug/L	97
42) Toluene	7.63	91	156363	4.870	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	43616	4.774	ug/L	96
45) 1,1,2-Trichloroethane	8.06	97	27863	5.138	ug/L	98
47) Tetrachloroethene	8.22	164	32999	5.061	ug/L	94
48) 2-Hexanone	8.36	43	195755	51.644	ug/L	99
49) Dibromochloromethane	8.47	129	33448	4.822	ug/L	99
50) 1,2-Dibromoethane	8.58	107	26932	4.983	ug/L	99
51) Chlorobenzene	9.11	112	97999	4.868	ug/L	99
52) Ethylbenzene	9.24	91	169906	4.802	ug/L	99
53) m,p-Xylene	9.37	106	65492	4.882	ug/L	100
54) o-Xylene	9.77	106	62950	4.702	ug/L	99
55) Styrene	9.79	104	110744	5.028	ug/L	99
56) Isopropylbenzene	10.16	105	166937	4.727	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	36373	5.245	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	25940	5.300	ug/L	96
61) Bromoform	9.95	173	19345	4.552	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	81887	4.742	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	82261	4.686	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	81043	4.857	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	6660	5.685	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	67556	4.881	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	59983	5.375	ug/L	98
69) Naphthalene	13.74	128	114915	5.874	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	57802	5.201	ug/L	97

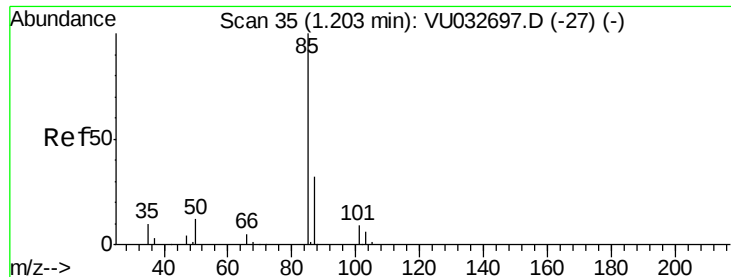
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.097 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

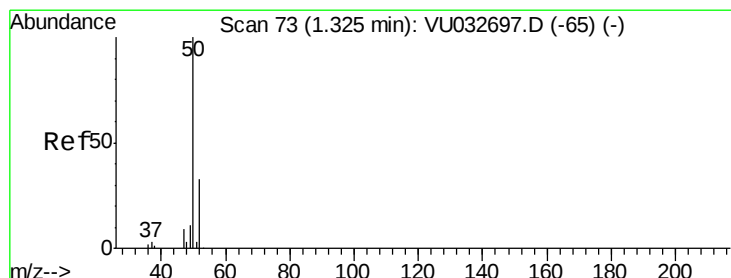
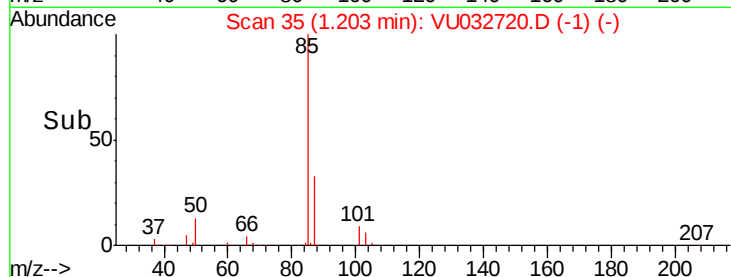
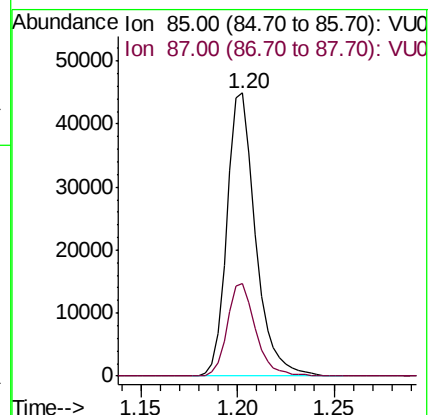
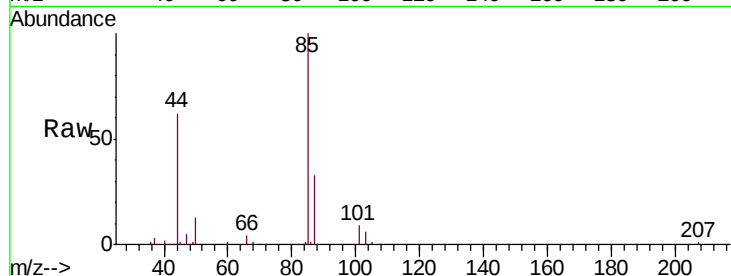
VSTD00524

Tgt Ion: 85 Resp: 46142

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



#3

Chloromethane

Concen: 8.191 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032720.D

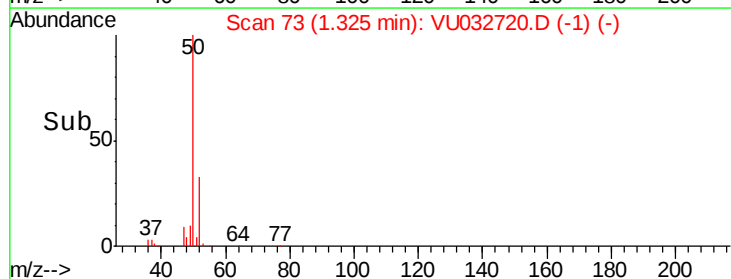
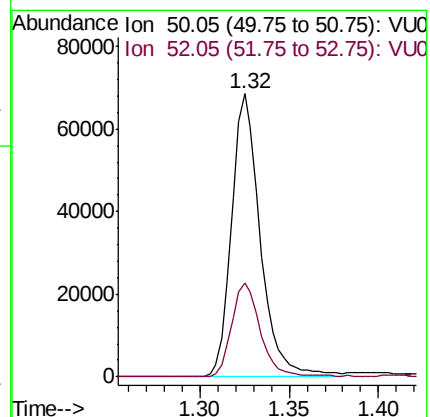
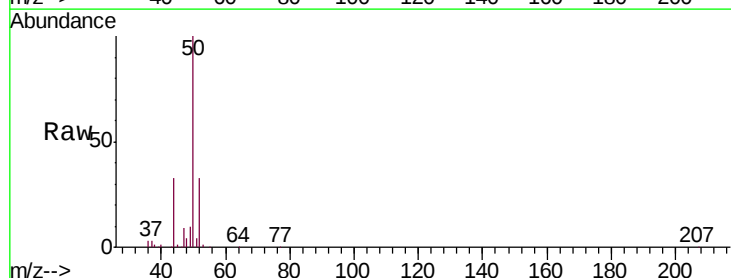
Acq: 14 Jun 2019 01:53

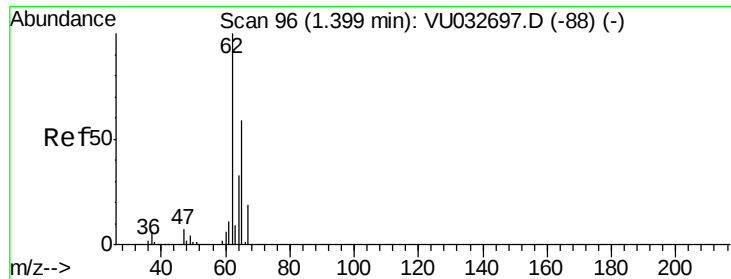
Tgt Ion: 50 Resp: 76907

Ion Ratio Lower Upper

50 100

52 33.4 23.2 43.2





#5

Vinyl chloride

Concen: 4.833 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

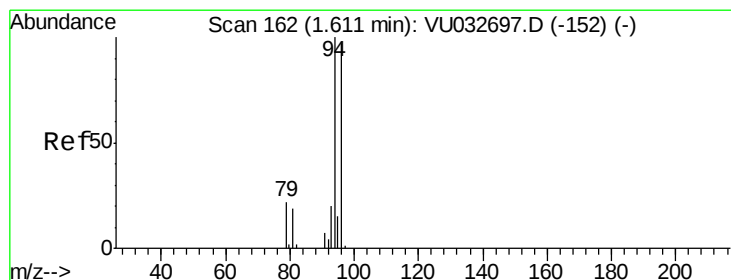
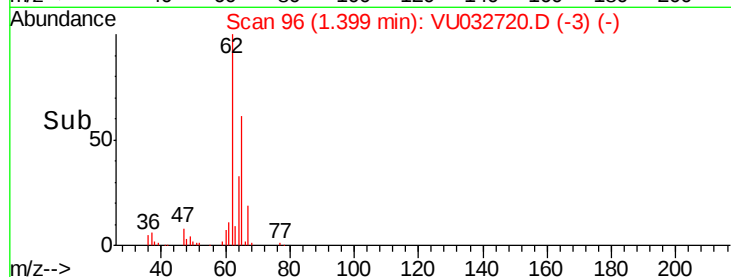
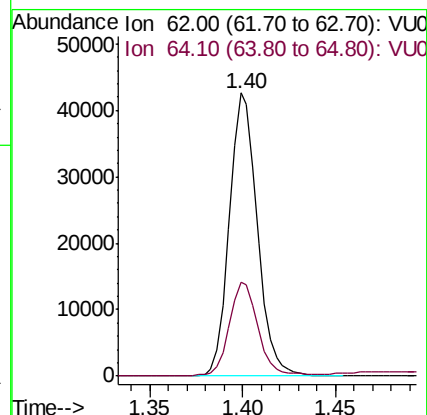
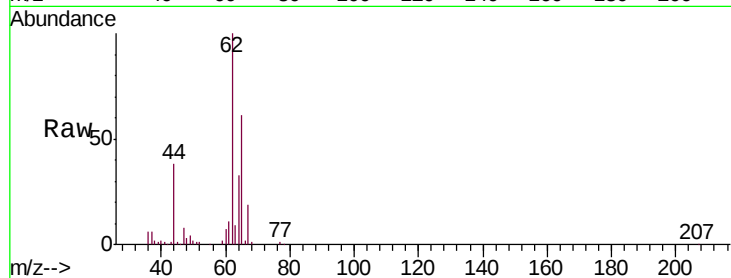
VSTD00524

Tgt Ion: 62 Resp: 44599

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.8



#6

Bromomethane

Concen: 2.119 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU032720.D

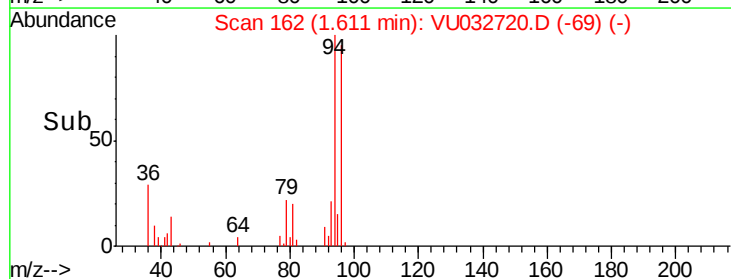
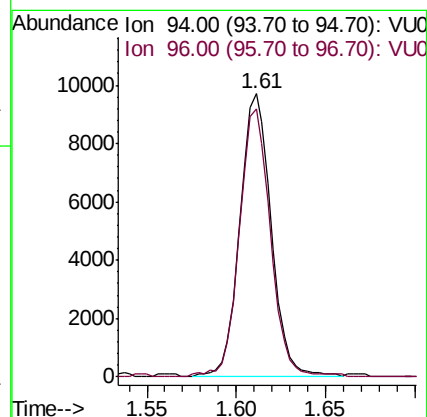
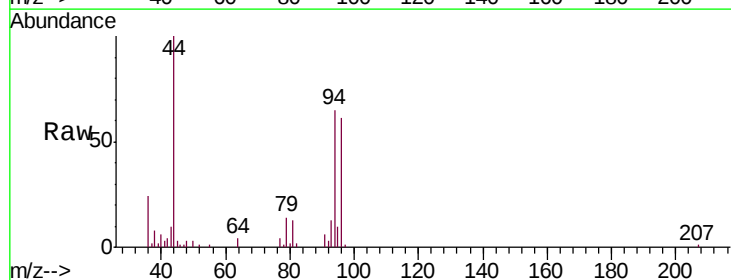
Acq: 14 Jun 2019 01:53

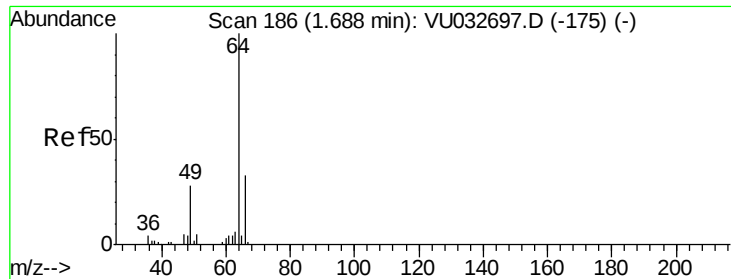
Tgt Ion: 94 Resp: 11927

Ion Ratio Lower Upper

94 100

96 94.6 65.5 121.6





#8

Chloroethane

Concen: 4.603 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

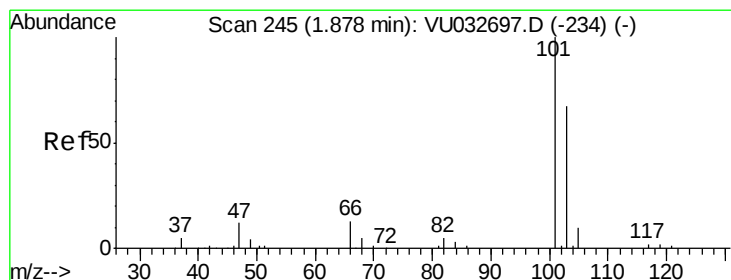
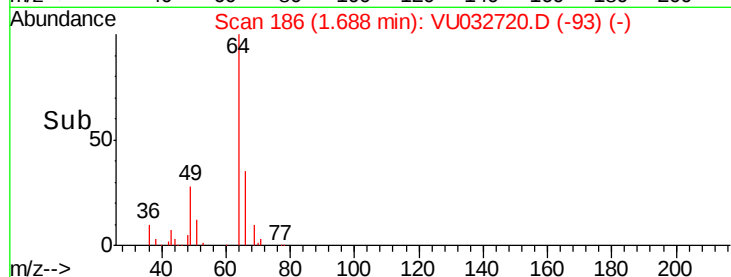
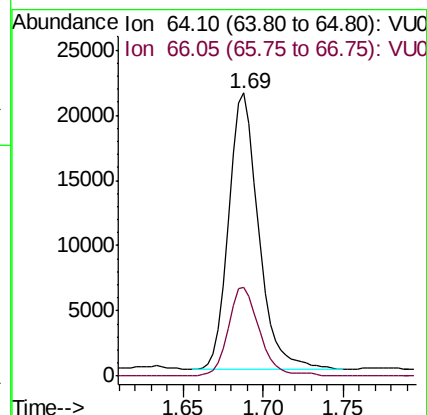
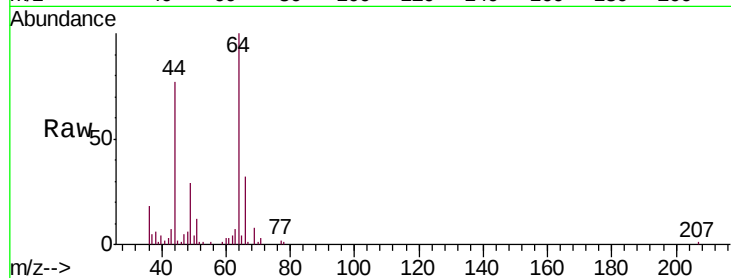
VSTD00524

Tgt Ion: 64 Resp: 27140

Ion Ratio Lower Upper

64 100

66 31.6 22.8 42.4



#9

Trichlorofluoromethane

Concen: 4.855 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032720.D

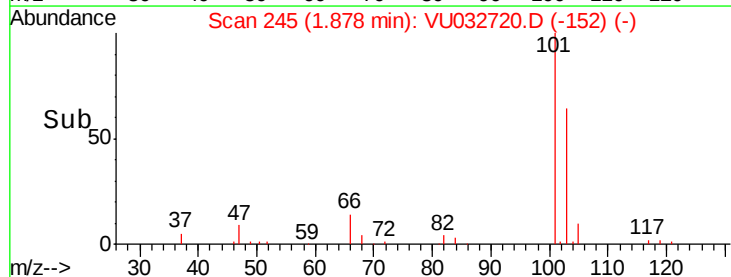
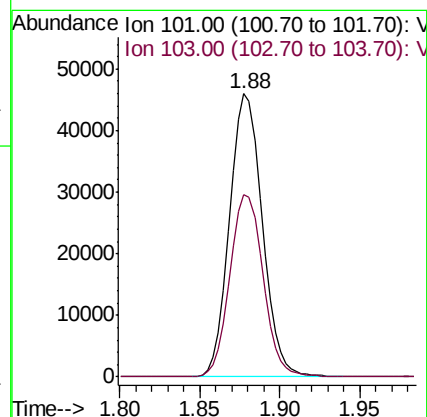
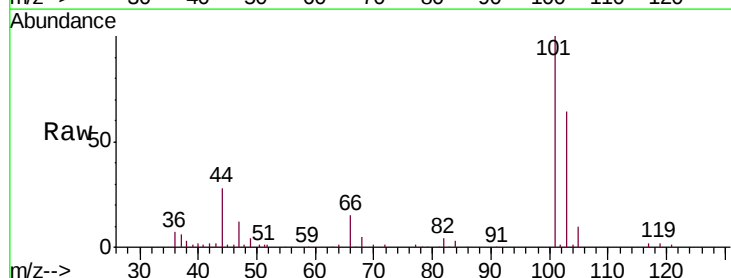
Acq: 14 Jun 2019 01:53

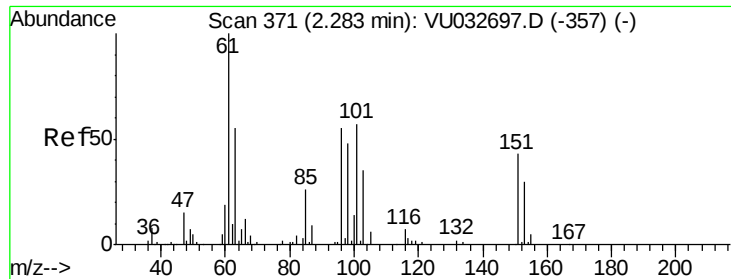
Tgt Ion: 101 Resp: 64116

Ion Ratio Lower Upper

101 100

103 65.4 52.2 78.2





#10

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

Concen: 4.831 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

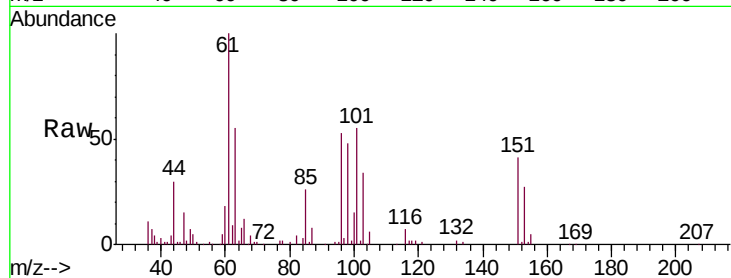
Tgt Ion: 101 Resp: 33925

Ion Ratio Lower Upper

101 100

85 47.6 38.9 58.3

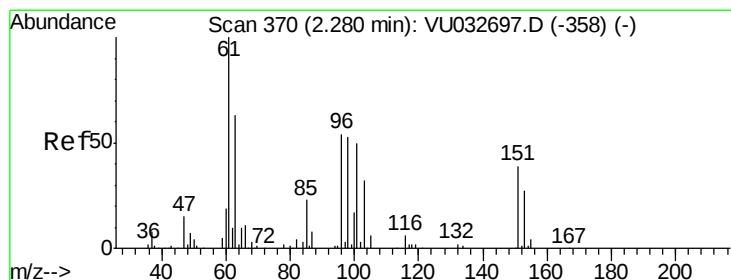
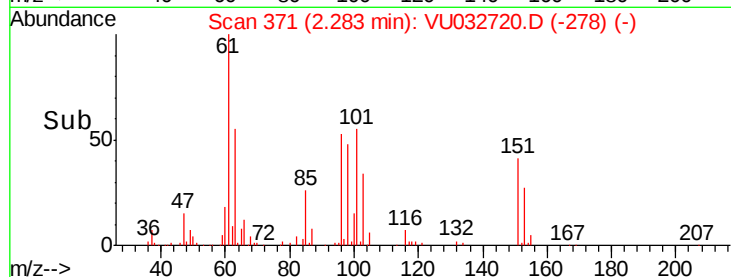
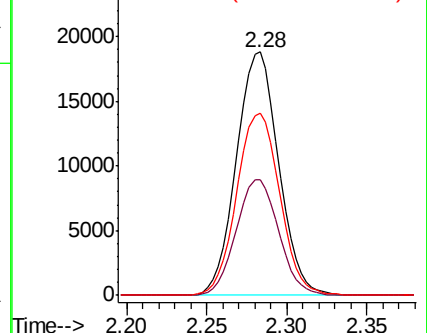
151 76.3 61.0 91.4



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: 4.623 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

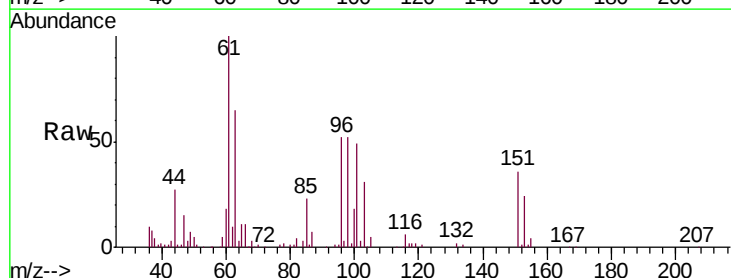
Tgt Ion: 96 Resp: 30987

Ion Ratio Lower Upper

96 100

61 193.3 131.8 244.8

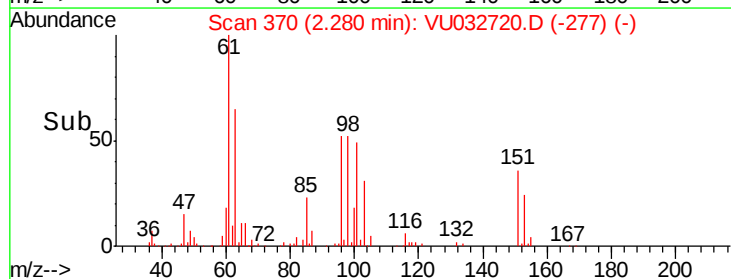
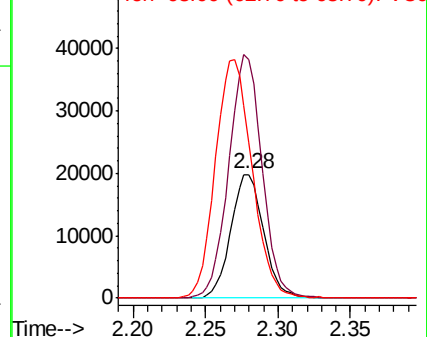
63 125.9 90.1 167.3

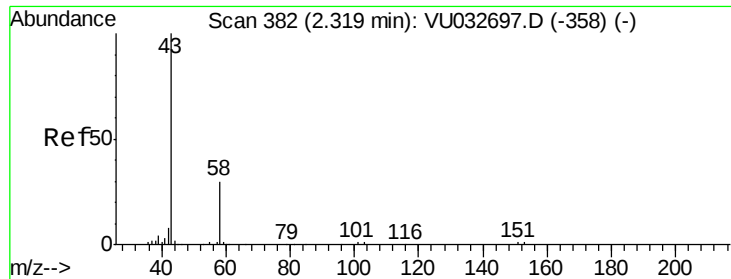


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.342 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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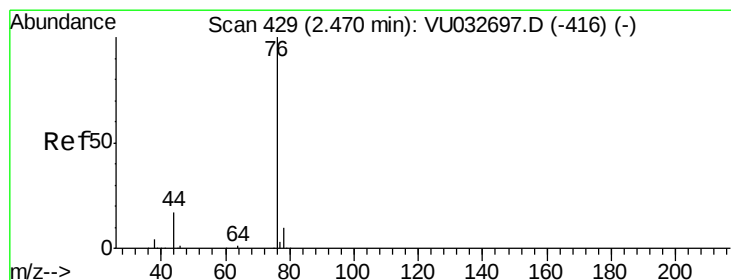
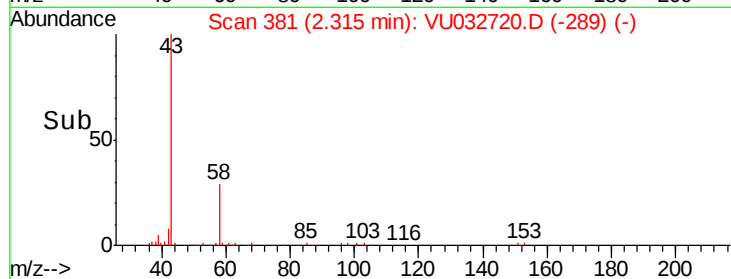
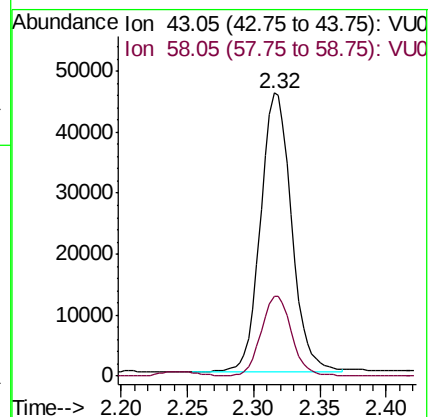
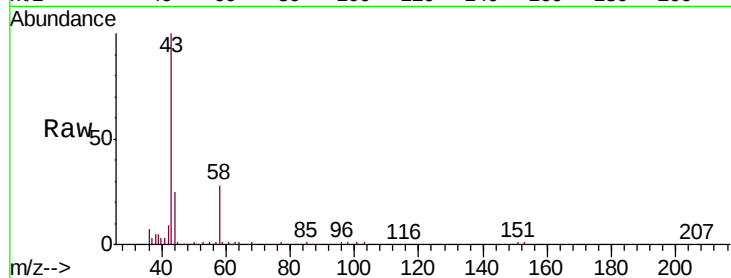
VSTD00524

Tgt Ion: 43 Resp: 74801

Ion Ratio Lower Upper

43 100

58 27.9 0.0 60.8



#14

Carbon disulfide

Concen: 4.517 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032720.D

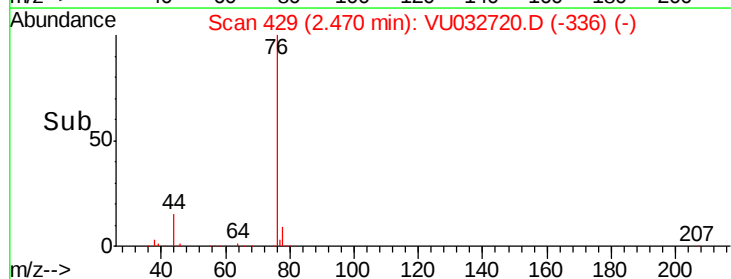
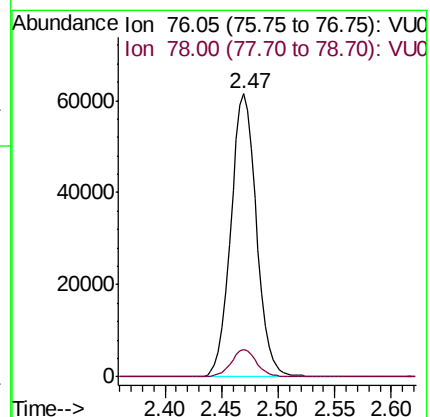
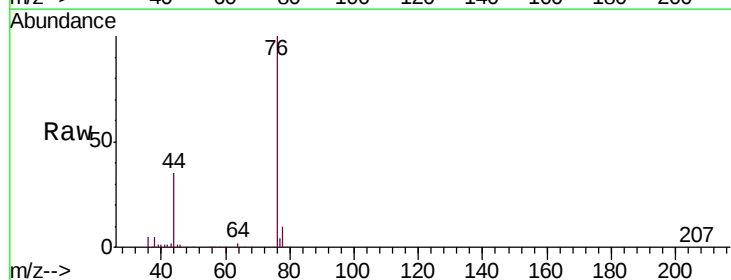
Acq: 14 Jun 2019 01:53

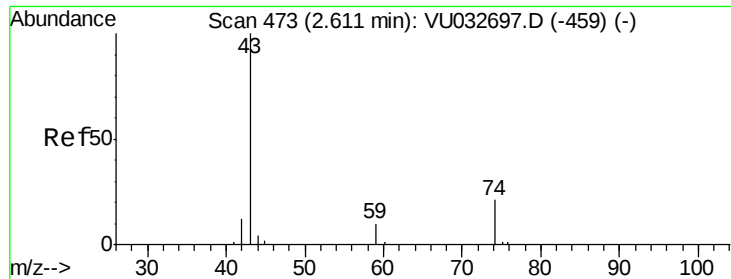
Tgt Ion: 76 Resp: 96965

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#15

Methyl Acetate

Concen: 4.586 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

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Acq: 14 Jun 2019 01:53

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ClientSampleId :

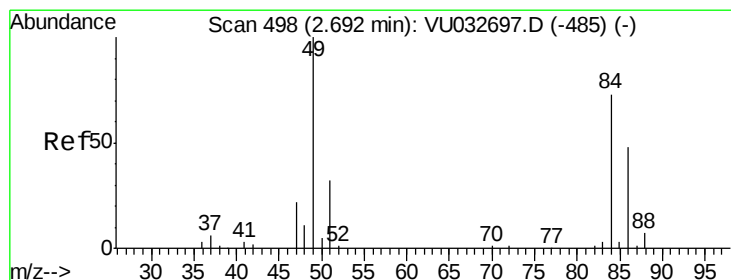
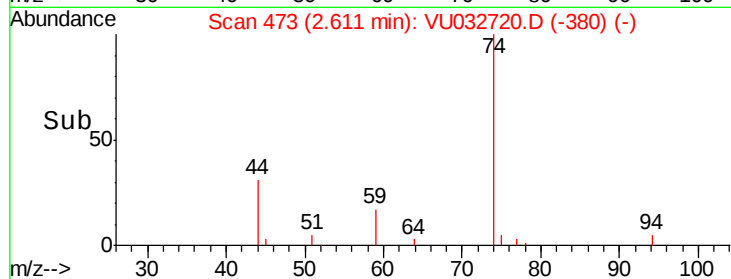
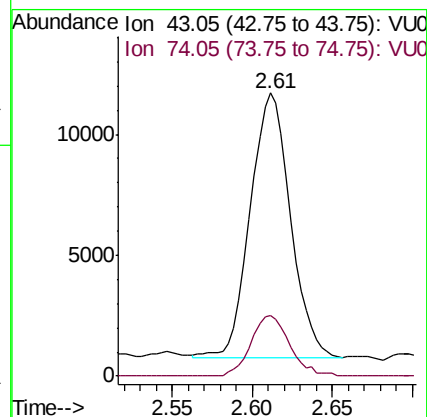
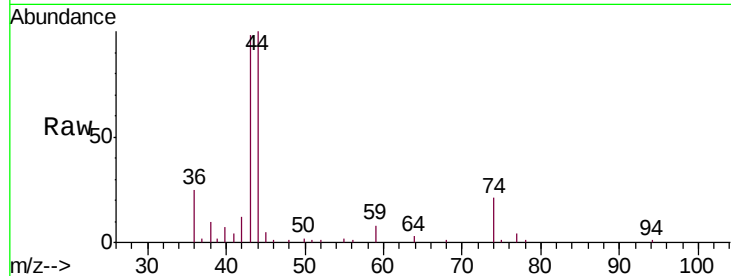
VSTD00524

Tgt Ion: 43 Resp: 18695

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.8



#16

Methylene chloride

Concen: 4.858 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

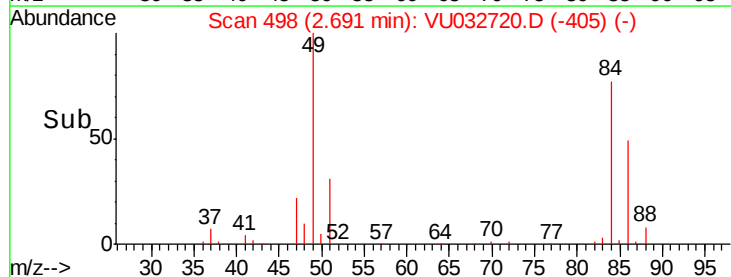
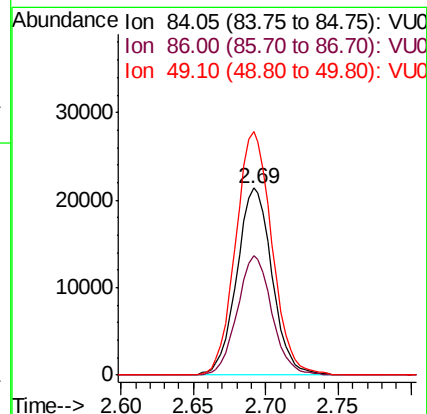
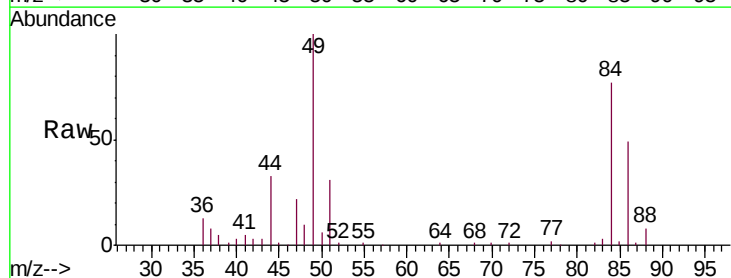
Tgt Ion: 84 Resp: 36114

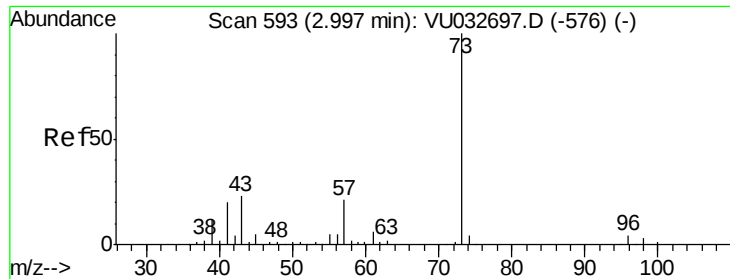
Ion Ratio Lower Upper

84 100

86 63.9 47.2 87.6

49 130.1 95.9 178.1





#17

Methyl tert-butyl Ether

Concen: 4.711 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

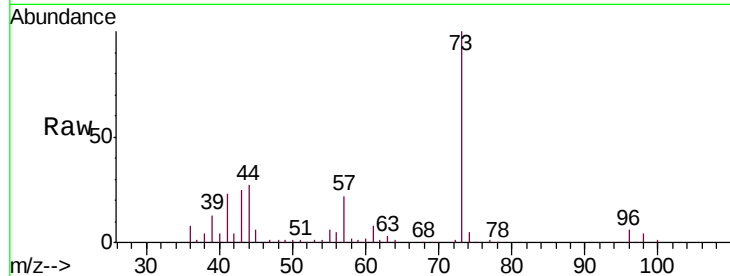
Tgt Ion: 73 Resp: 92359

Ion Ratio Lower Upper

73 100

43 23.9 18.6 27.8

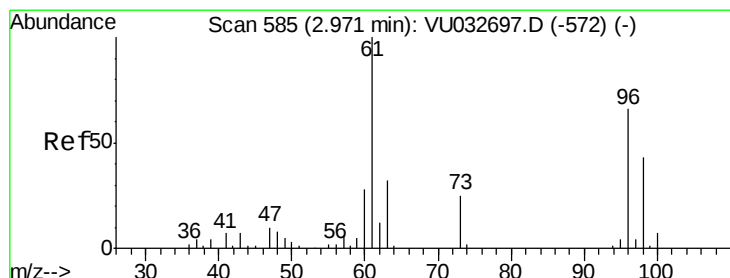
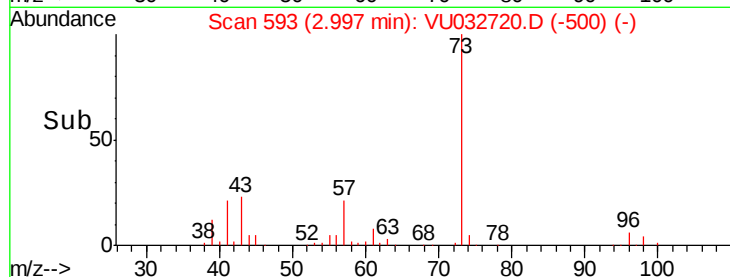
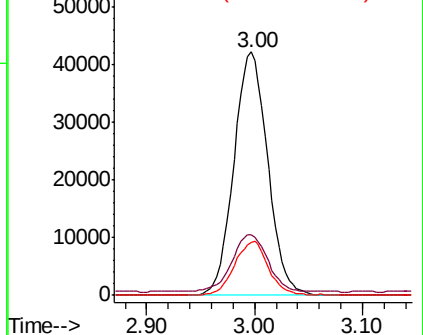
57 22.1 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU032720.D (-500) (-)

Ion 43.05 (42.75 to 43.75): VU032720.D (-500) (-)

Ion 57.10 (56.80 to 57.80): VU032720.D (-500) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.717 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

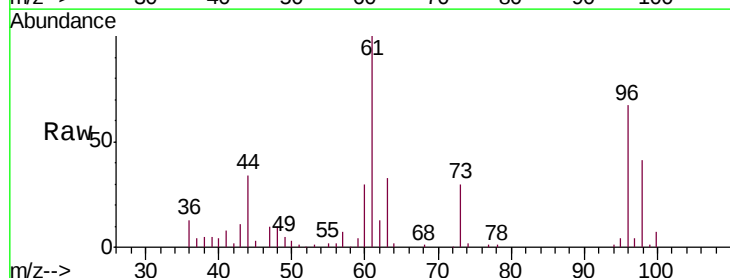
Tgt Ion: 96 Resp: 34114

Ion Ratio Lower Upper

96 100

61 149.6 103.1 191.5

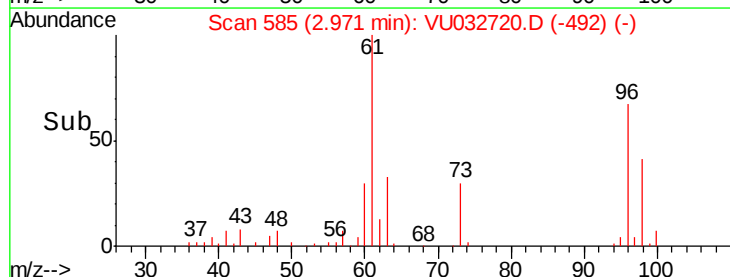
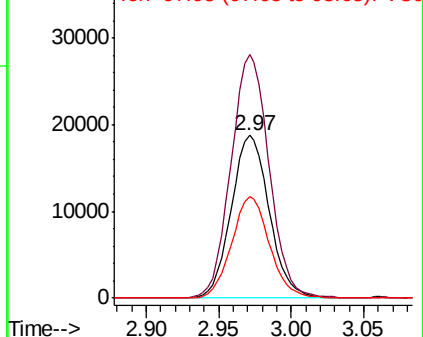
98 62.0 43.7 81.1

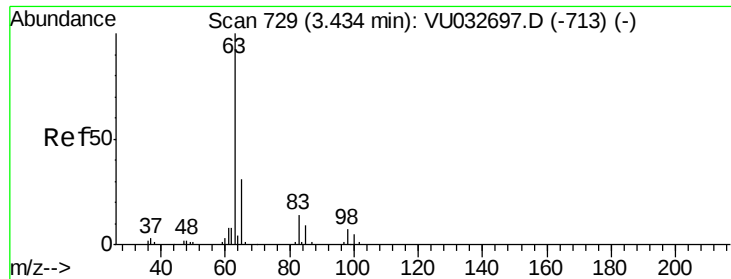


Abundance Ion 96.00 (95.70 to 96.70): VU032720.D (-492) (-)

Ion 61.05 (60.75 to 61.75): VU032720.D (-492) (-)

Ion 97.95 (97.65 to 98.65): VU032720.D (-492) (-)

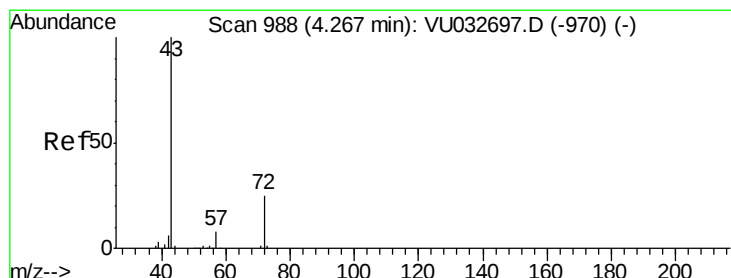
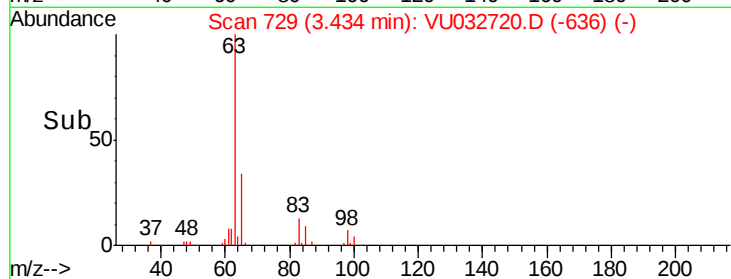
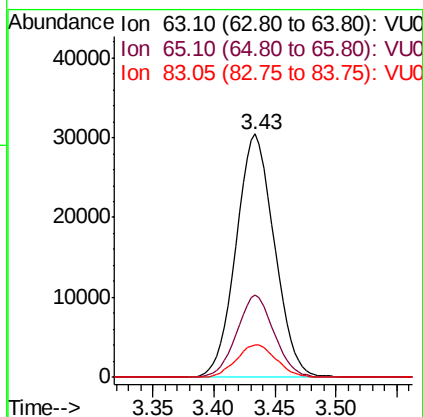
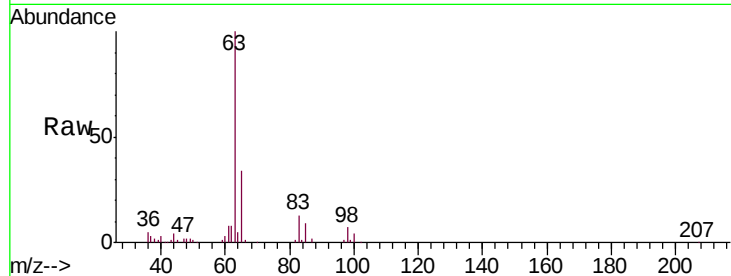




#19
 1,1-Dichloroethane
 Concen: 5.112 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

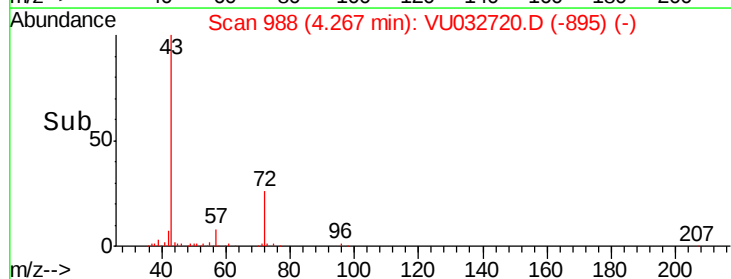
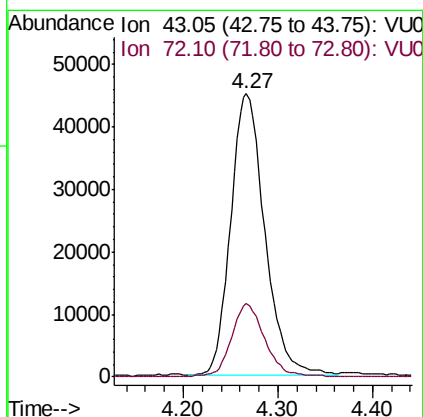
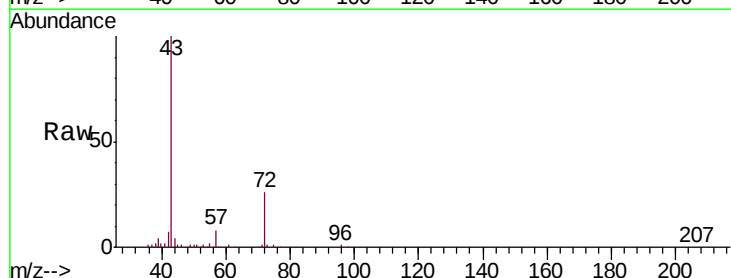
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

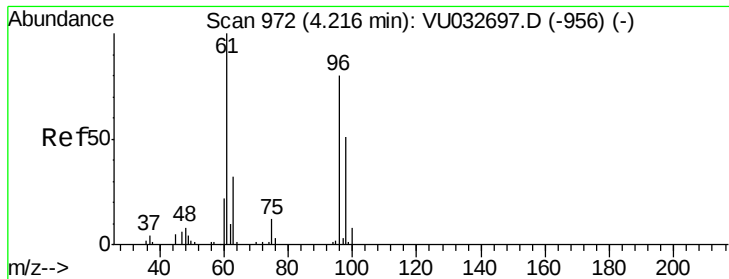
Tgt Ion: 63 Resp: 66181
 Ion Ratio Lower Upper
 63 100
 65 33.9 21.3 39.6
 83 13.2 10.1 18.7



#21
 2-Butanone
 Concen: 51.898 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion: 43 Resp: 112154
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.1 39.3



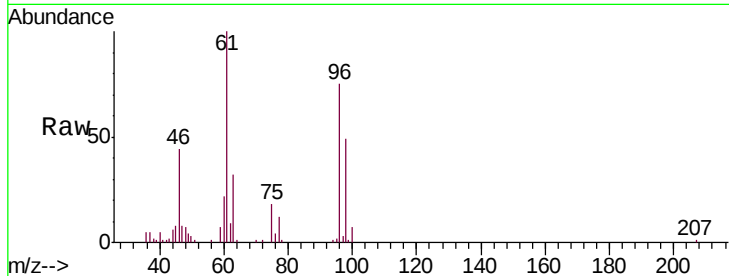


#22

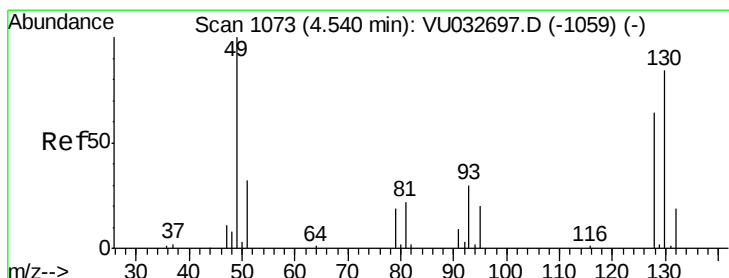
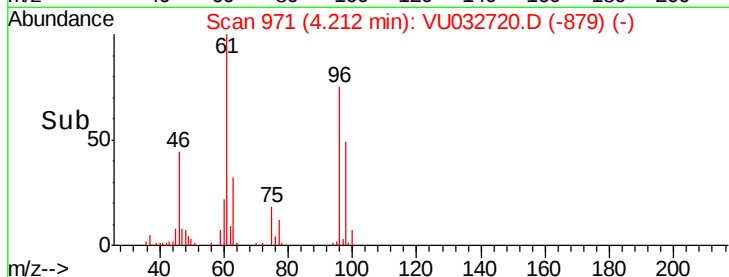
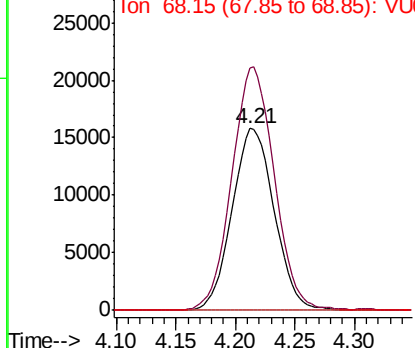
cis-1,2-Dichloroethene
 Concen: 4.734 ug/L
 RT: 4.21 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00524

Tgt Ion: 96 Resp: 38751
 Ion Ratio Lower Upper
 96 100
 61 133.5 86.6 160.8
 68 0.0 0.0 0.0



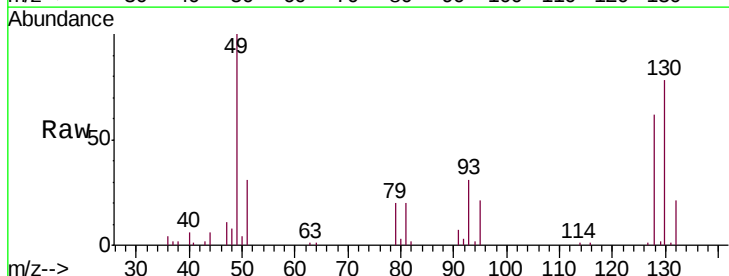
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



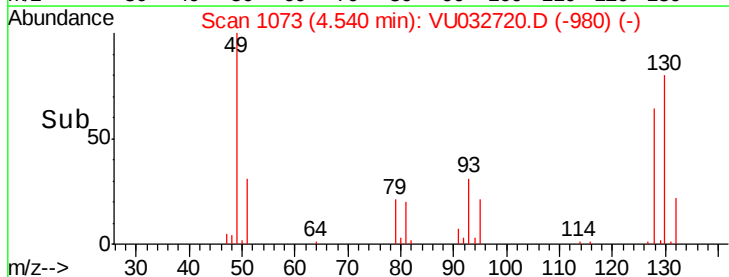
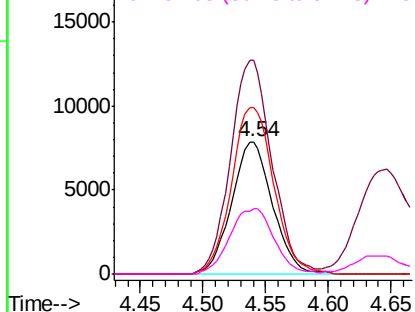
#23

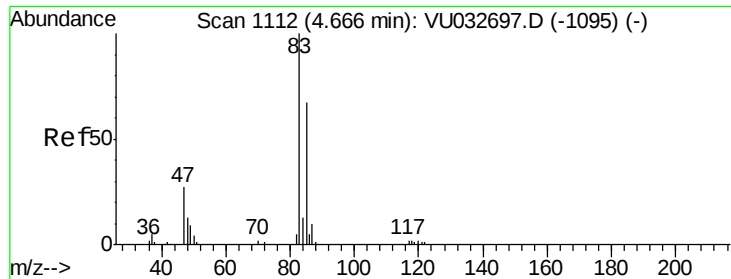
Bromochloromethane
 Concen: 5.057 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion: 128 Resp: 17817
 Ion Ratio Lower Upper
 128 100
 49 161.2 107.8 200.2
 130 125.5 89.3 165.9
 51 49.4 38.2 57.4



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





#25

Chloroform

Concen: 5.171 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

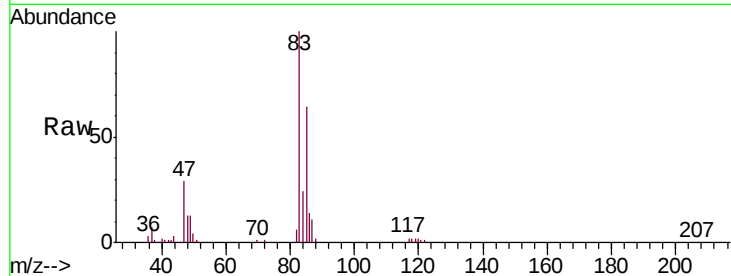
VSTD00524

Tgt Ion: 83 Resp: 68385

Ion Ratio Lower Upper

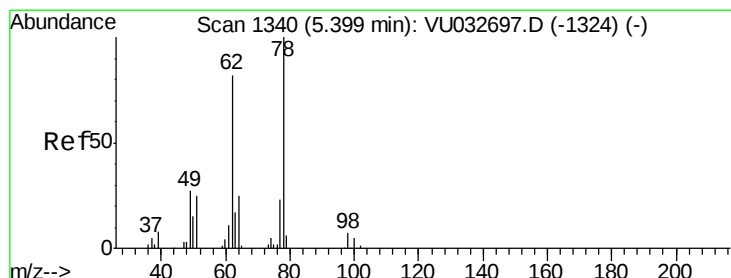
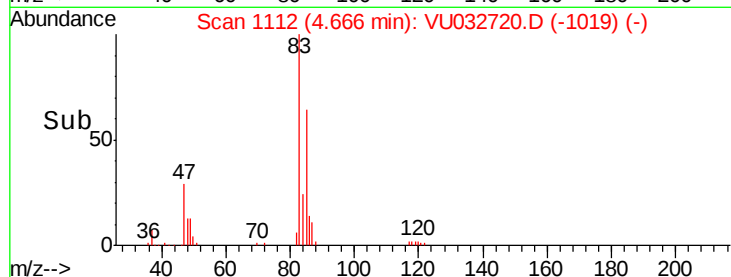
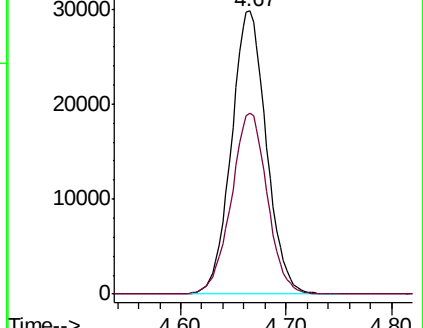
83 100

85 64.1 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: 5.487 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU032720.D

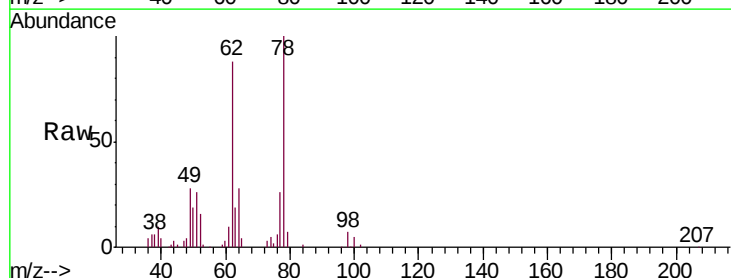
Acq: 14 Jun 2019 01:53

Tgt Ion: 62 Resp: 47690

Ion Ratio Lower Upper

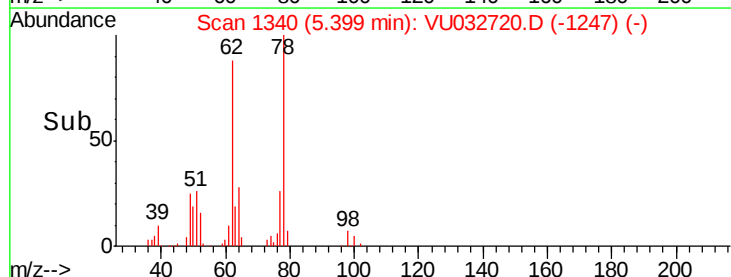
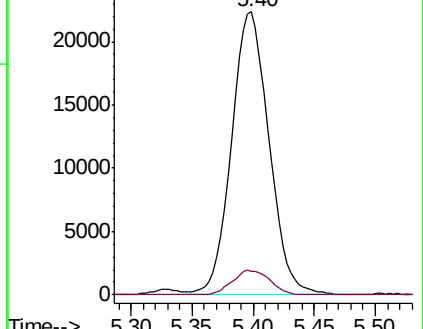
62 100

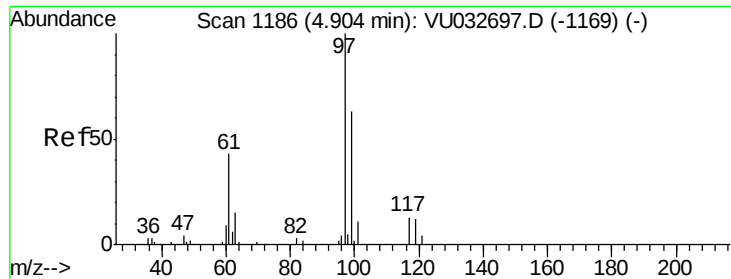
98 8.5 7.0 10.6



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

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

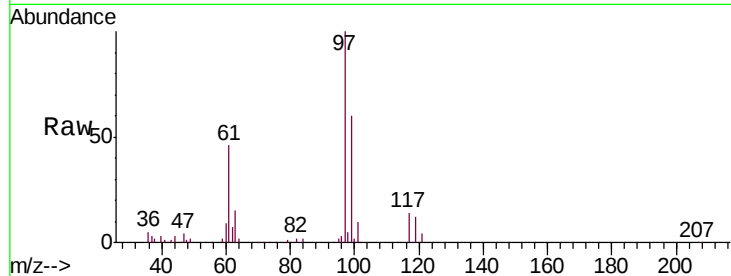




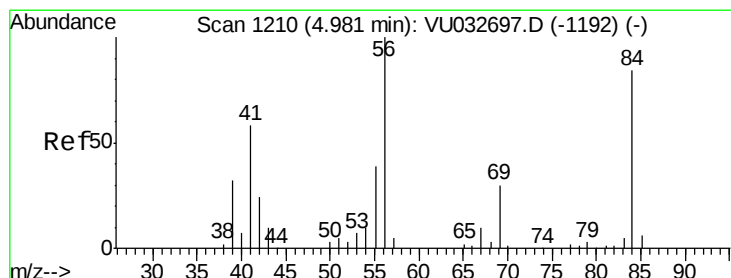
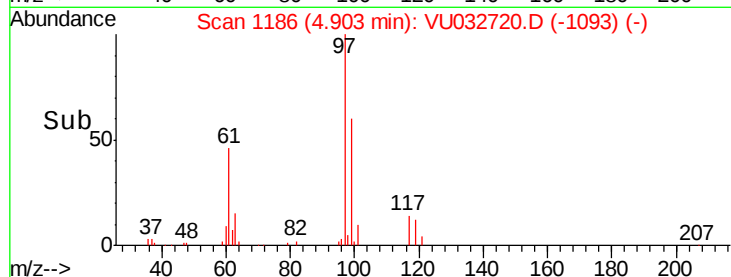
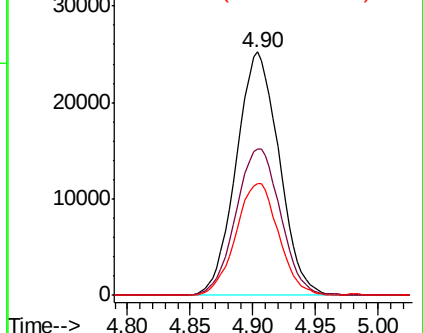
#29
 1,1,1-Trichloroethane
 Concen: 5.039 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion: 97 Resp: 59994
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.8 77.6
 61 45.9 34.7 52.1

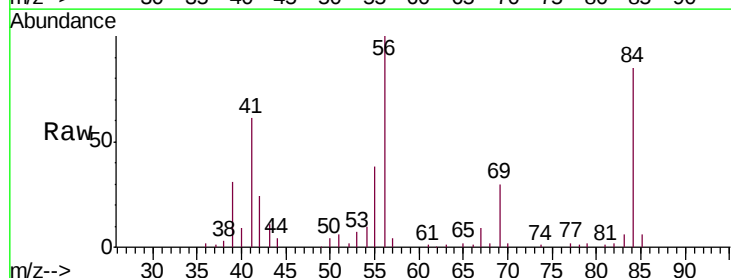


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

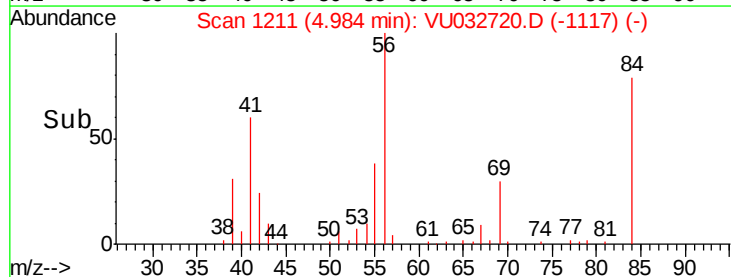
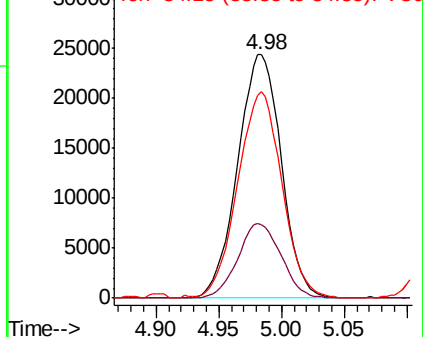


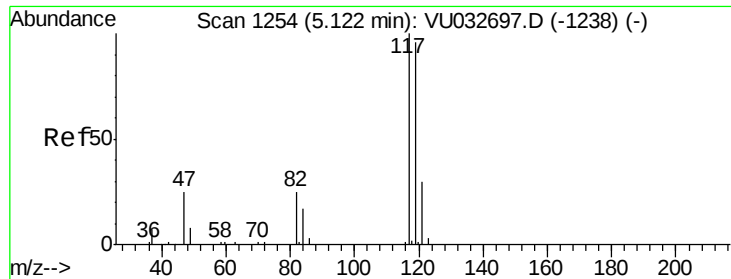
#30
 Cyclohexane
 Concen: 4.689 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion: 56 Resp: 59004
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.9 37.3
 84 85.9 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: 4.739 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

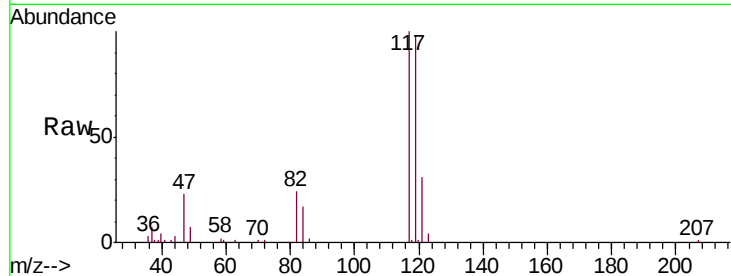
VSTD00524

Tgt Ion:117 Resp: 51304

Ion Ratio Lower Upper

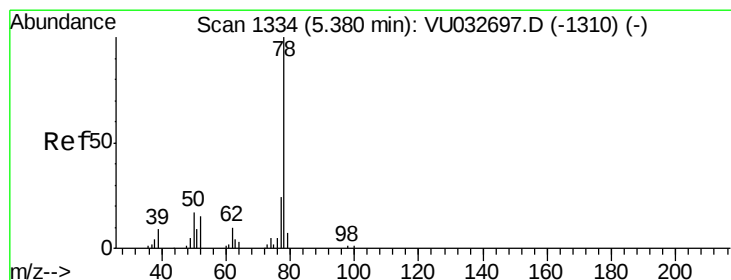
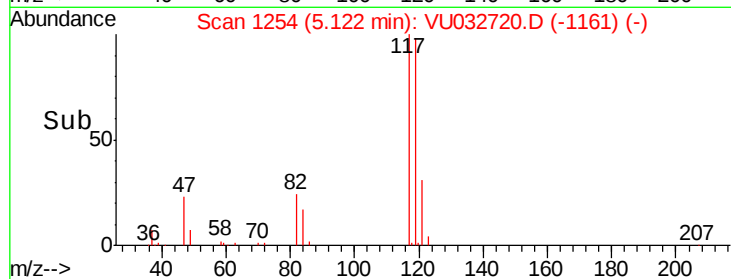
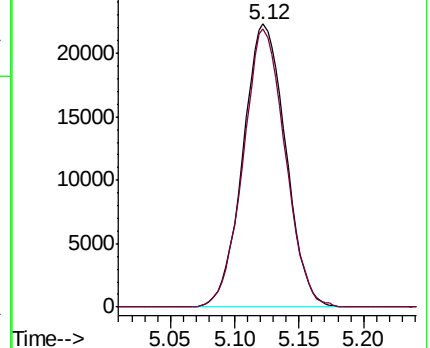
117 100

119 96.7 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: 5.025 ug/L

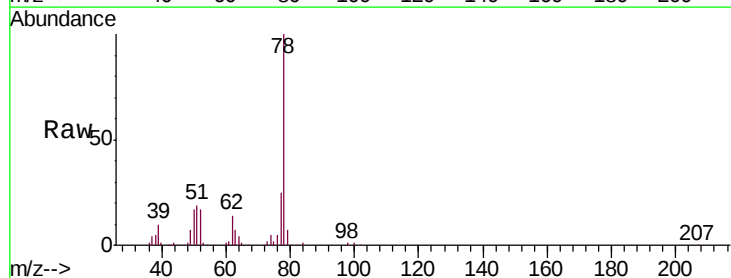
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

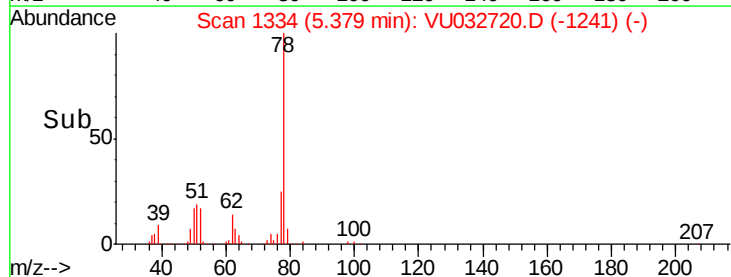
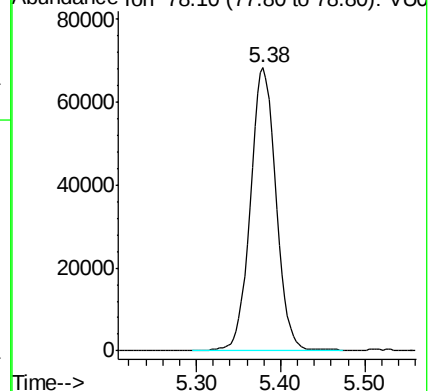
Lab File: VU032720.D

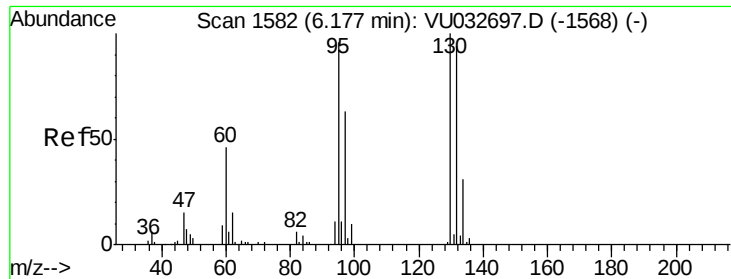
Acq: 14 Jun 2019 01:53

Tgt Ion: 78 Resp: 144757



Abundance Ion 78.10 (77.80 to 78.80): VU0

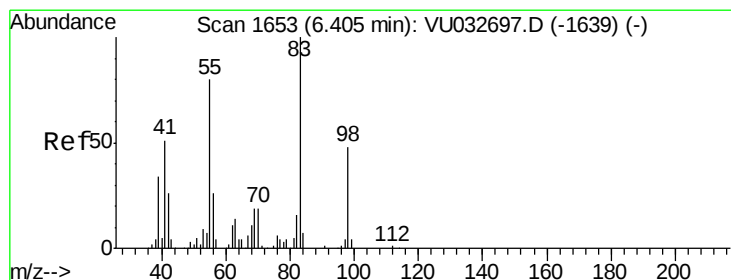
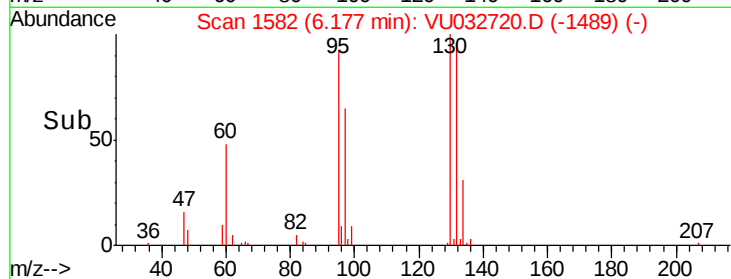
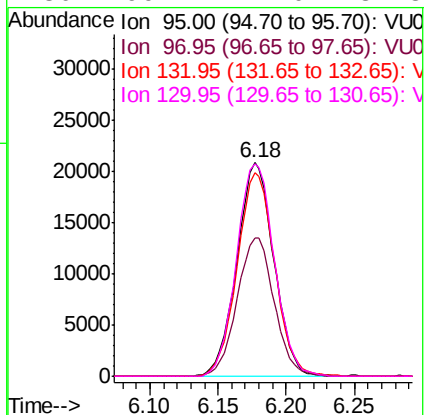
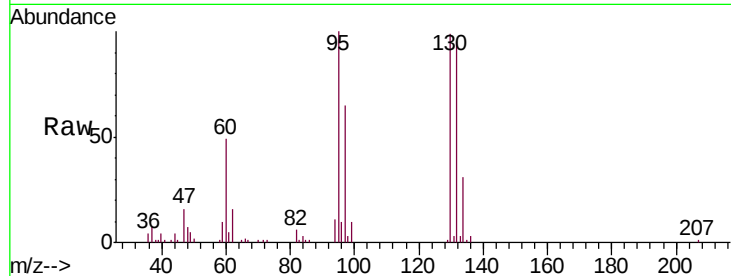




#34
 Trichloroethene
 Concen: 4.726 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

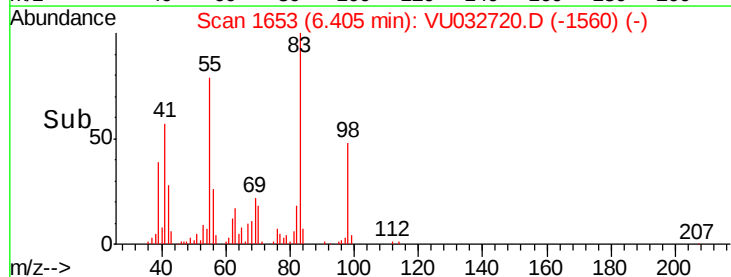
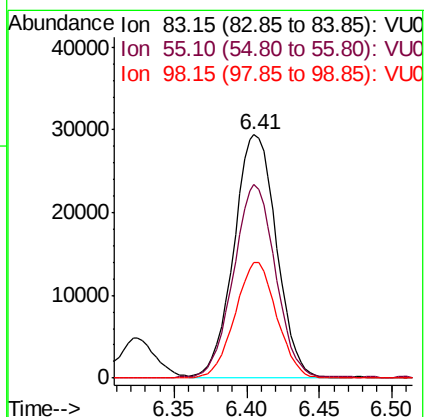
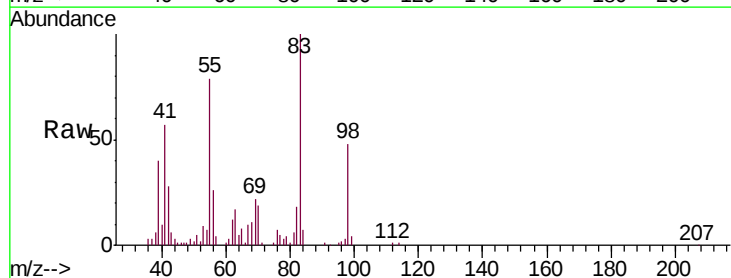
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

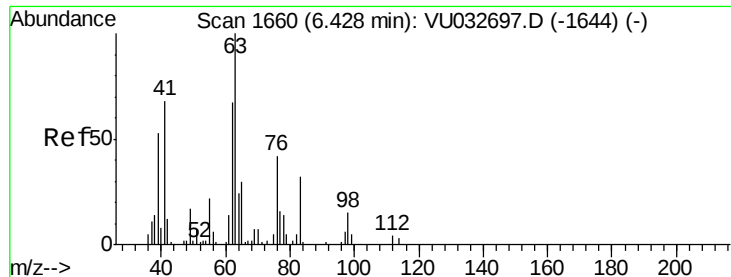
Tgt Ion:	95	Resp:	39160
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.1	81.9
132	95.4	68.8	127.8
130	99.4	71.0	131.8



#35
 Methylcyclohexane
 Concen: 4.507 ug/L
 RT: 6.41 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion:	83	Resp:	60065
Ion	Ratio	Lower	Upper
83	100		
55	78.5	60.0	90.0
98	46.4	37.8	56.8

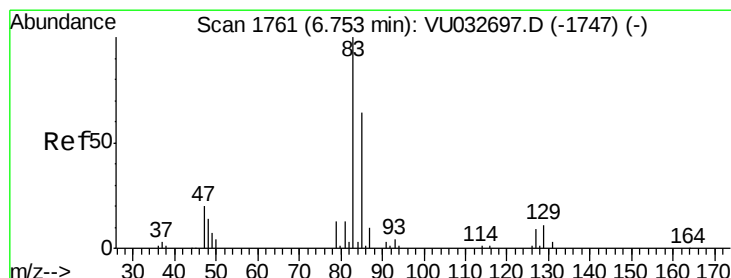
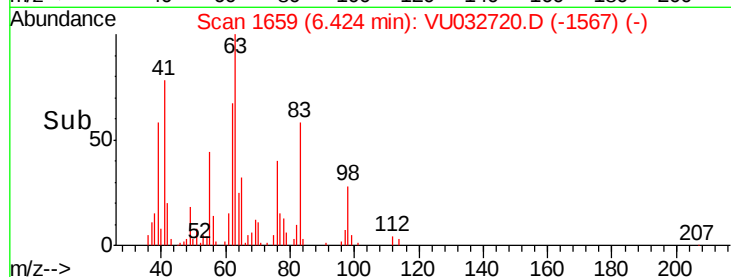
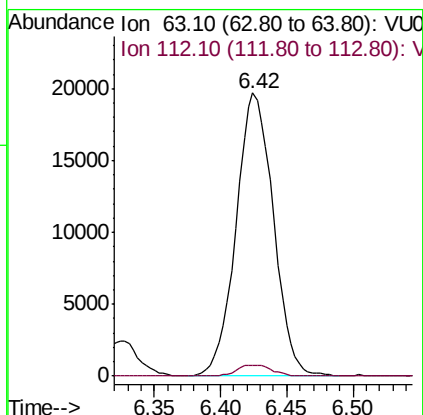
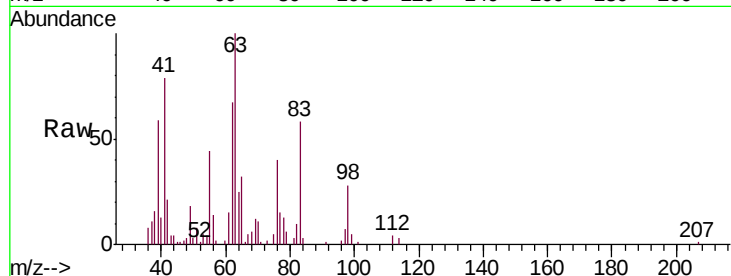




#37
 1,2-Dichloropropane
 Concen: 5.176 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

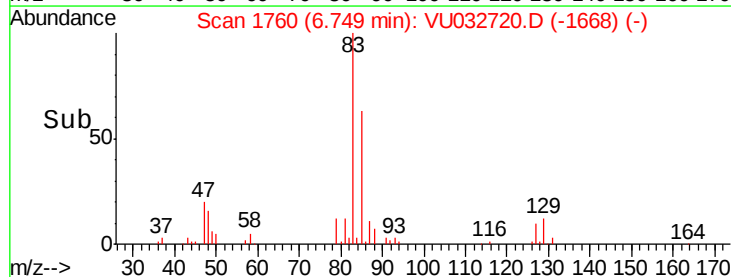
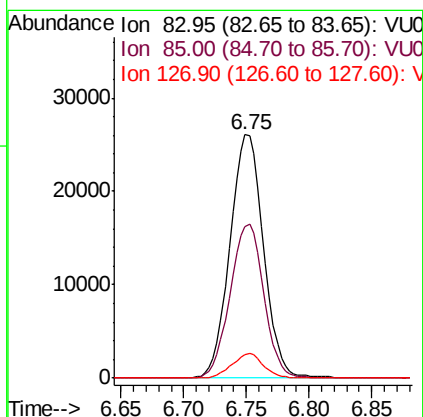
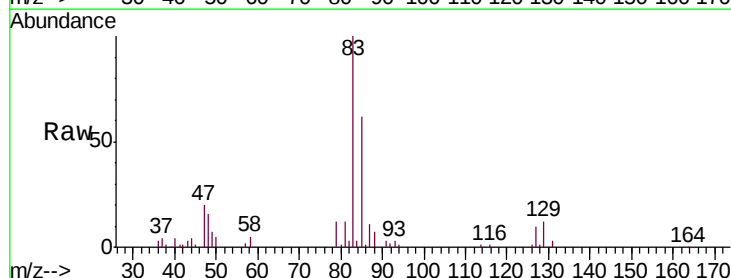
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

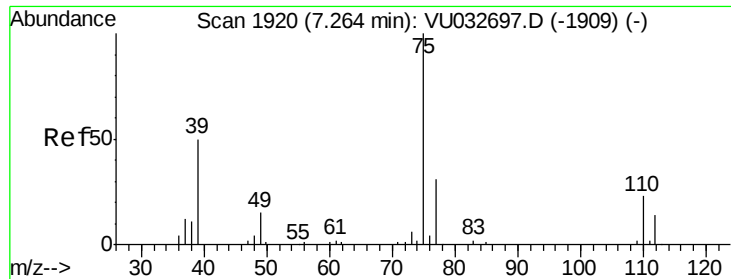
Tgt Ion: 63 Resp: 38578
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.055 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion: 83 Resp: 48424
 Ion Ratio Lower Upper
 83 100
 85 62.5 45.2 84.0
 127 9.9 7.4 11.2

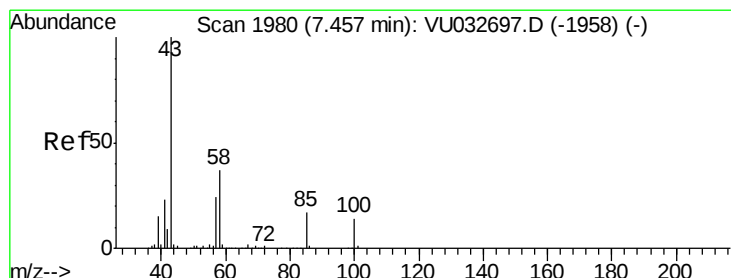
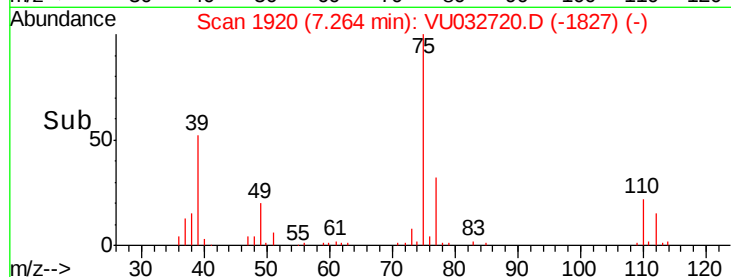
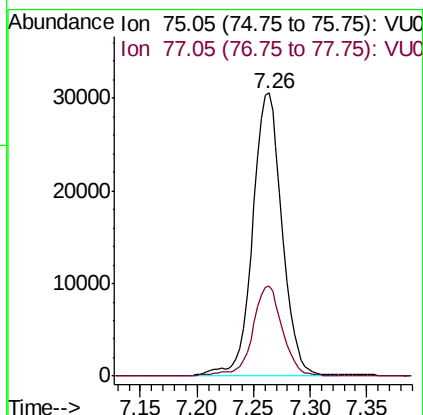
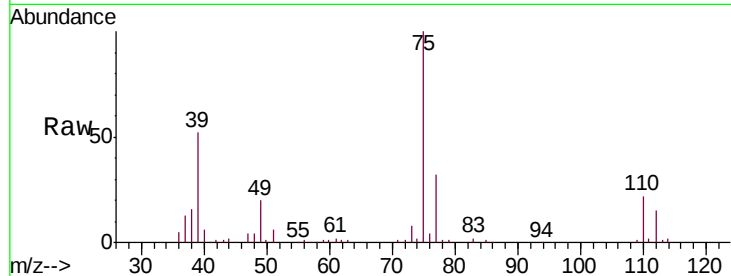




#39
 cis-1,3-Dichloropropene
 Concen: 4.845 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

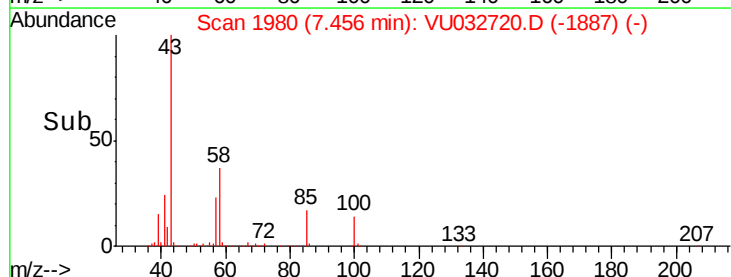
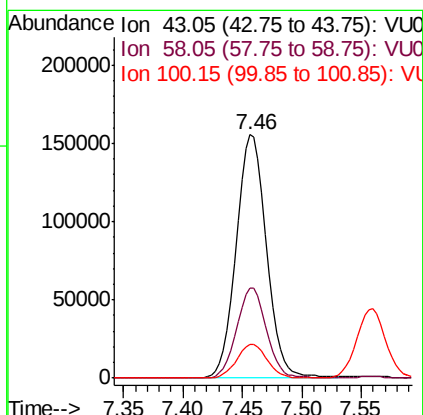
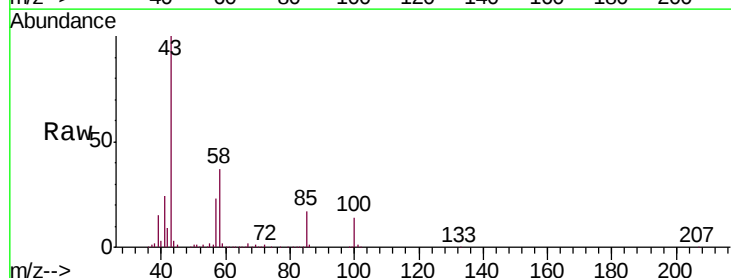
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

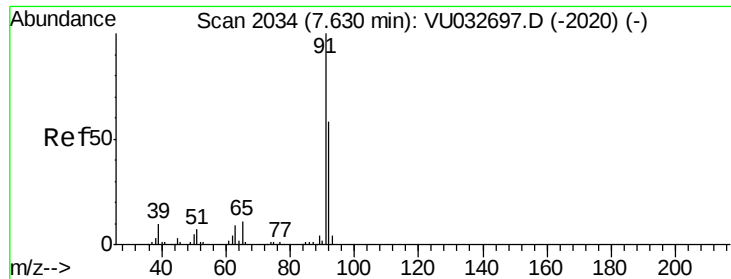
Tgt Ion: 75 Resp: 55442
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 51.527 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion: 43 Resp: 273308
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.9 46.3
 100 14.0 11.9 17.9





#42

Toluene

Concen: 4.870 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

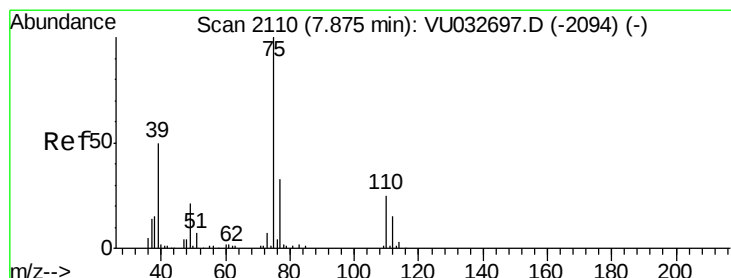
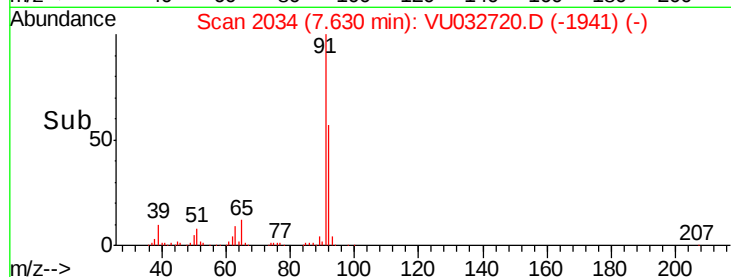
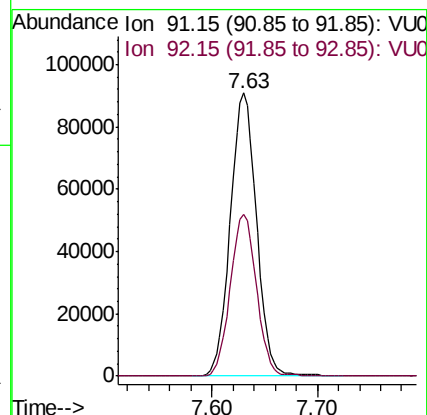
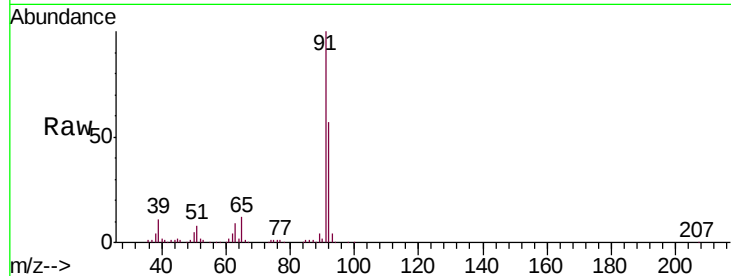
VSTD00524

Tgt Ion: 91 Resp: 156363

Ion Ratio Lower Upper

91 100

92 57.2 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.774 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032720.D

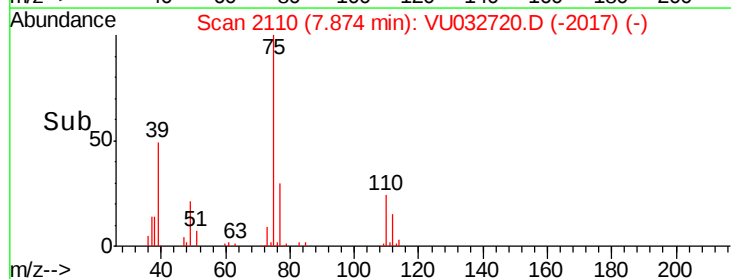
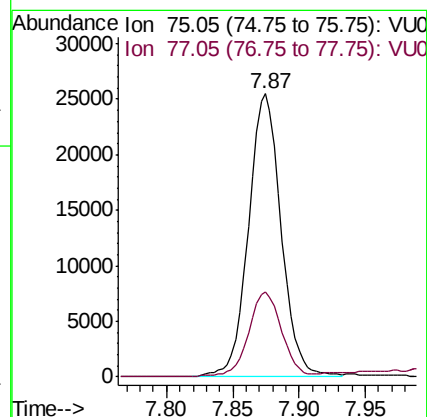
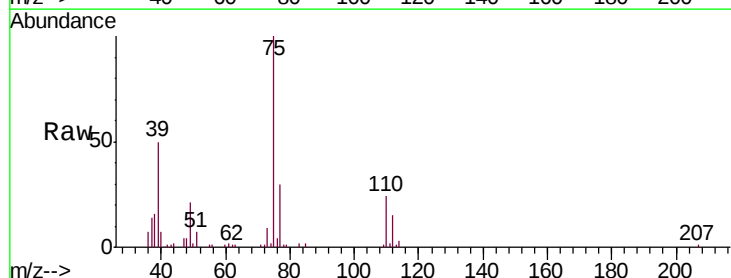
Acq: 14 Jun 2019 01:53

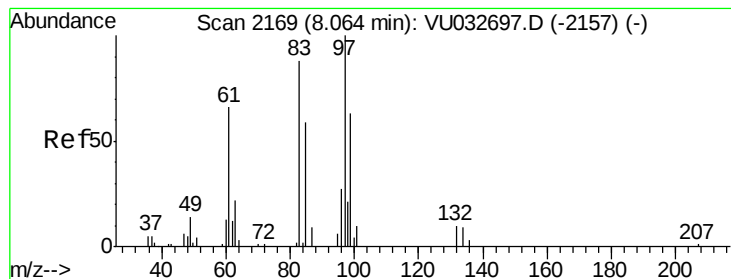
Tgt Ion: 75 Resp: 43616

Ion Ratio Lower Upper

75 100

77 30.0 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.138 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tgt Ion: 97 Resp: 27863

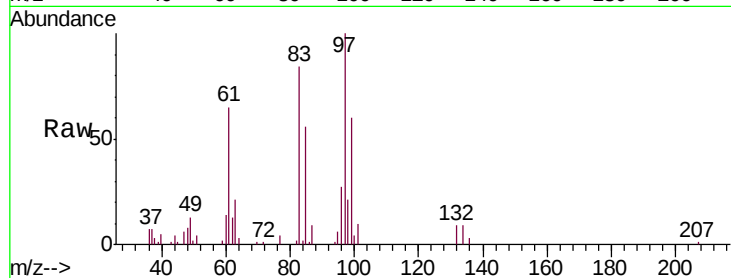
Ion Ratio Lower Upper

97 100

99 60.5 44.9 83.3

83 83.9 58.7 108.9

85 55.5 37.9 70.5

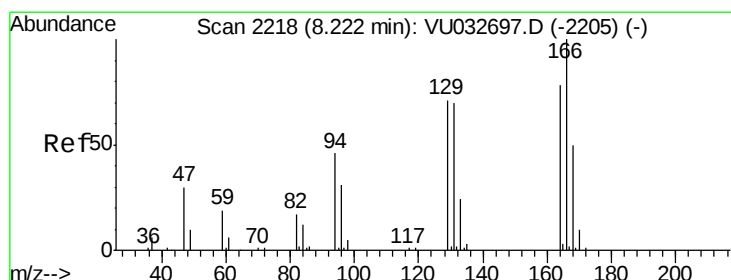
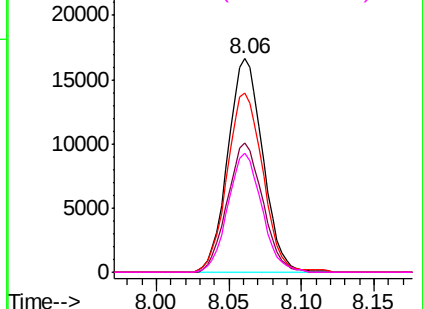
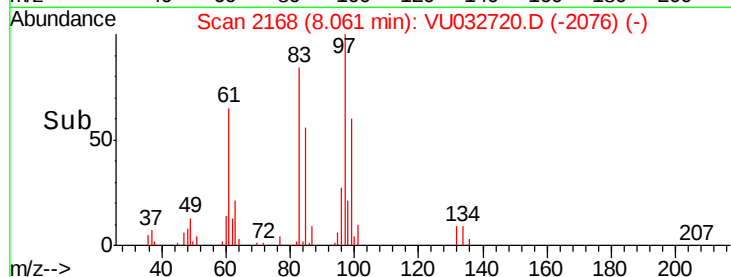


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.061 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Tgt Ion: 164 Resp: 32999

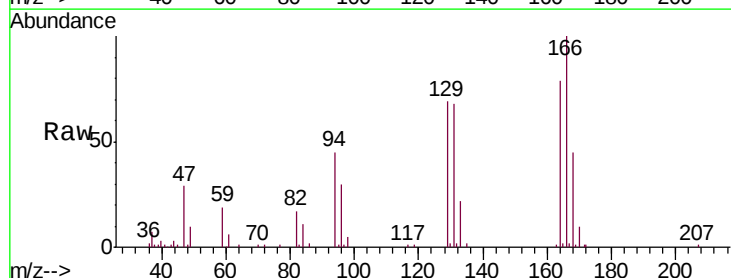
Ion Ratio Lower Upper

164 100

129 88.3 66.1 122.7

131 86.1 65.6 121.8

166 127.3 93.2 173.2

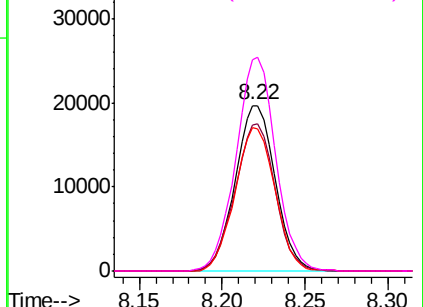
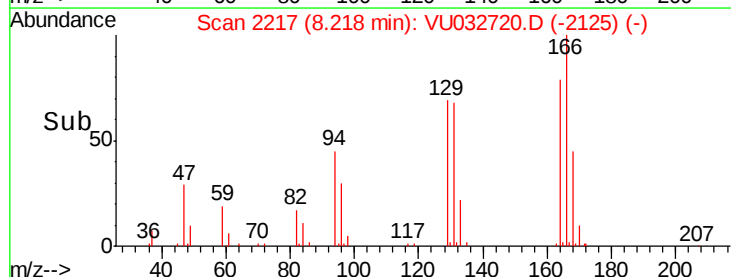


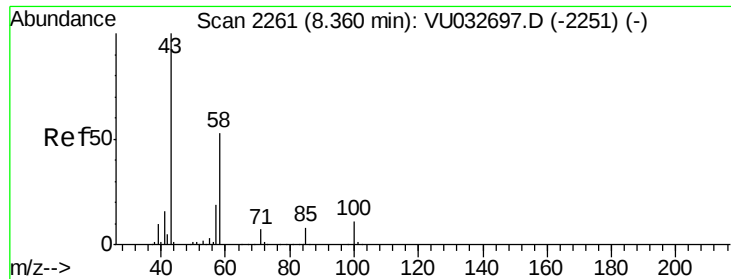
Abundance Ion 163.90 (163.60 to 164.60): V

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

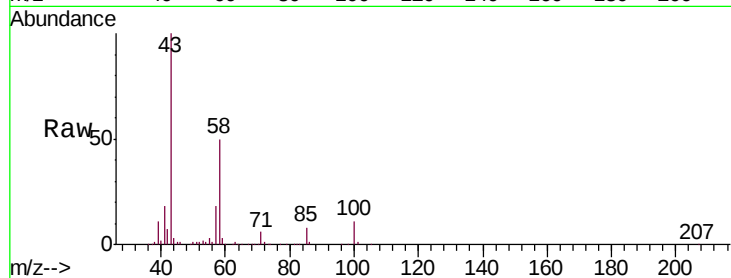




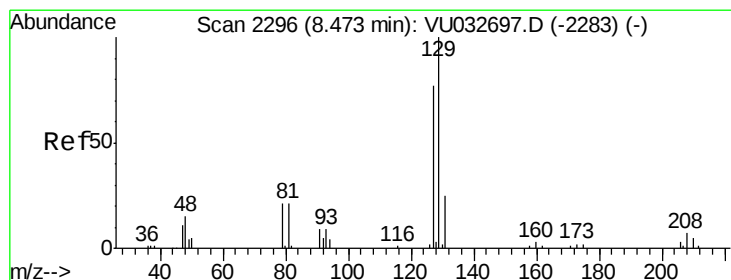
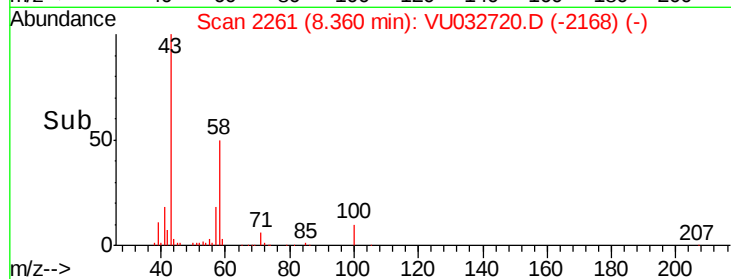
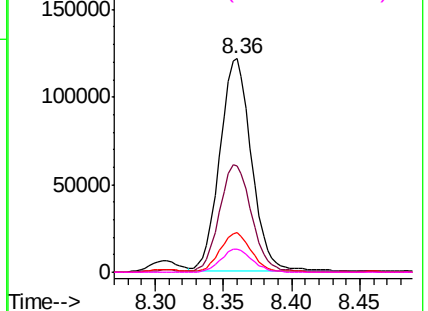
#48
2-Hexanone
Concen: 51.644 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU032720.D
Acq: 14 Jun 2019 01:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tgt Ion:	43	Resp:	195755
Ion	Ratio	Lower	Upper
43	100		
58	51.4	41.9	62.9
57	18.3	15.1	22.7
100	11.0	9.0	13.6

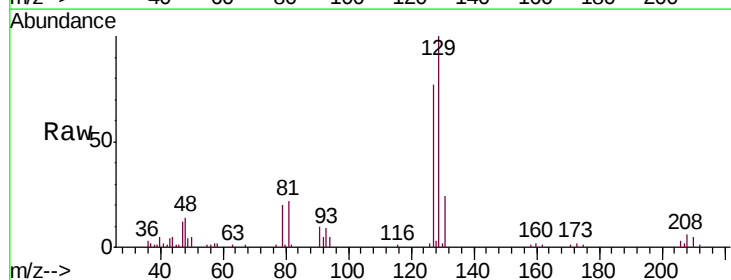


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

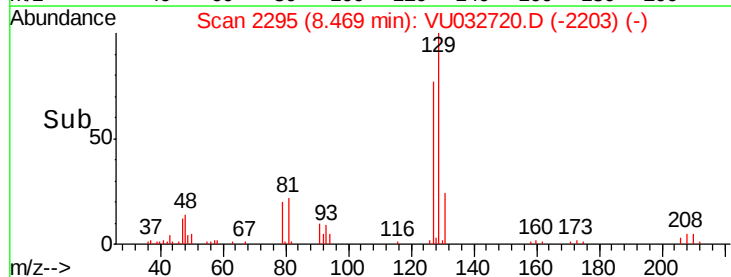
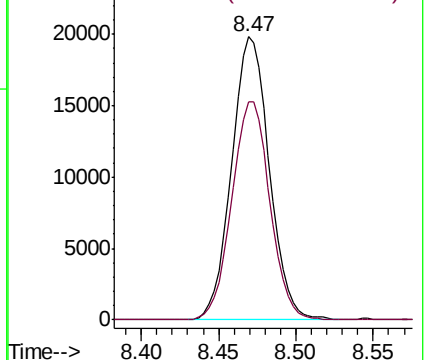


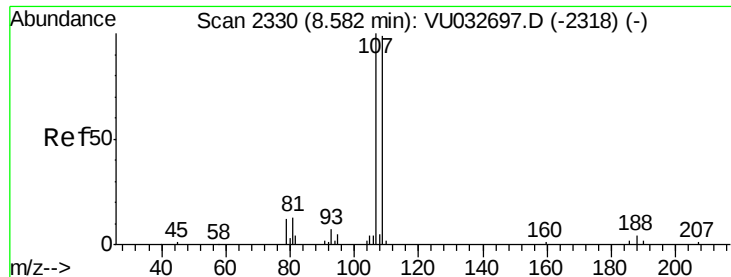
#49
Dibromochloromethane
Concen: 4.822 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032720.D
Acq: 14 Jun 2019 01:53

Tgt Ion:	129	Resp:	33448
Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.3	98.9



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





#50

1,2-Dibromoethane

Concen: 4.983 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

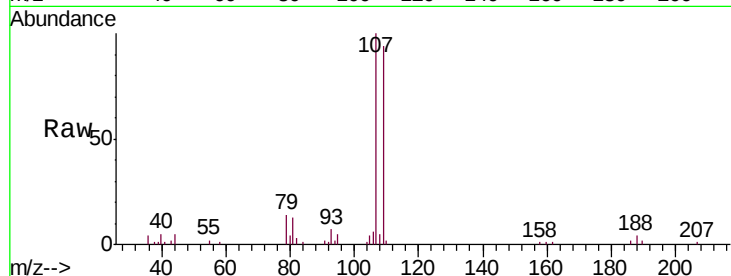
Tgt Ion:107 Resp: 26932

Ion Ratio Lower Upper

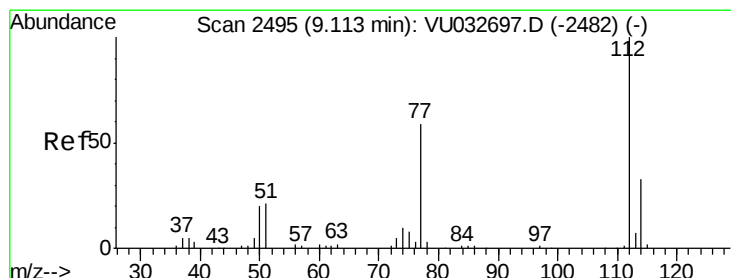
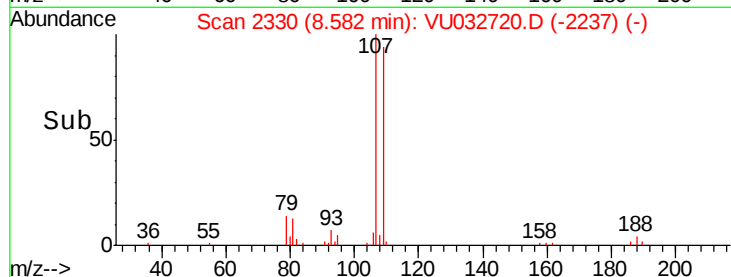
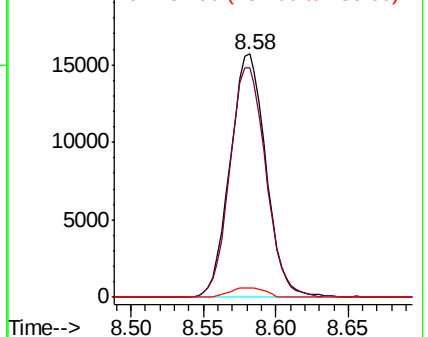
107 100

109 94.4 65.2 121.0

188 3.9 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: 4.868 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

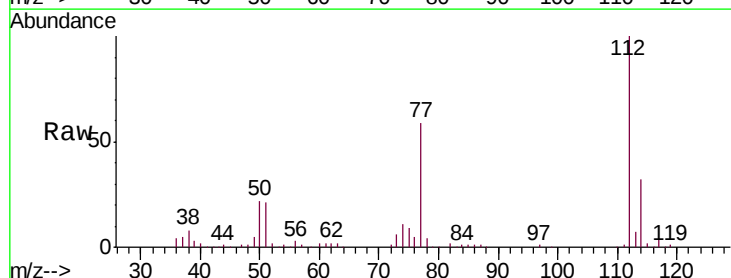
Tgt Ion:112 Resp: 97999

Ion Ratio Lower Upper

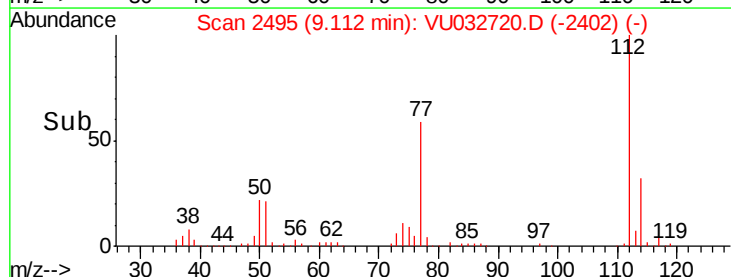
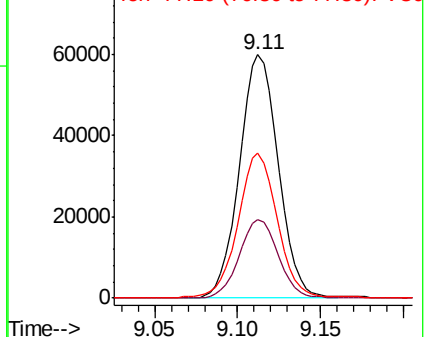
112 100

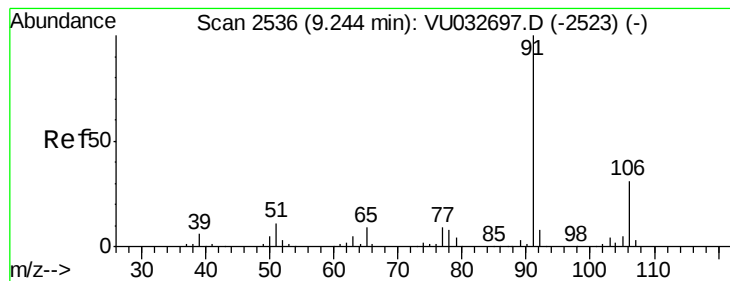
114 32.5 22.4 41.6

77 59.4 46.5 69.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.802 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

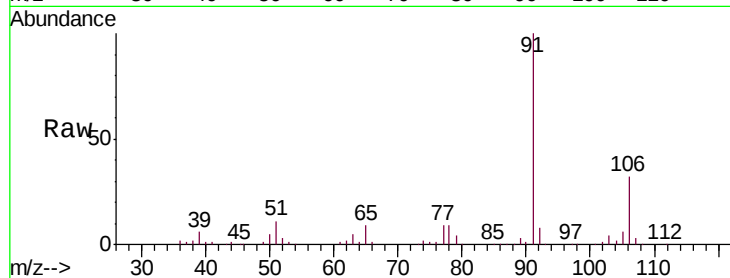
VSTD00524

Tgt Ion: 91 Resp: 169906

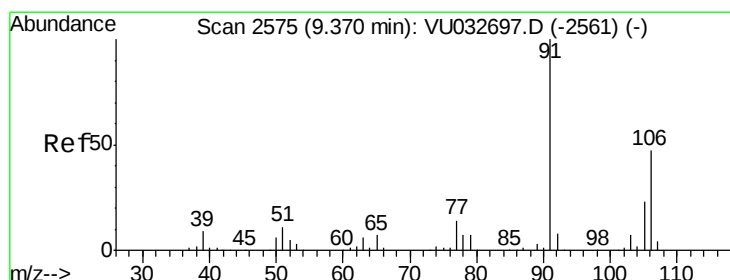
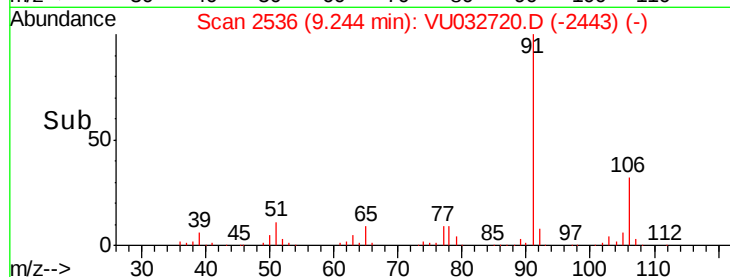
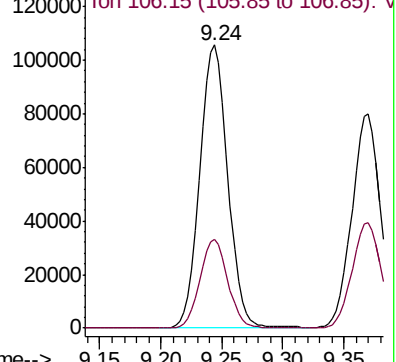
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032720.D (-2443) (-)



#53

m,p-Xylene

Concen: 4.882 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032720.D

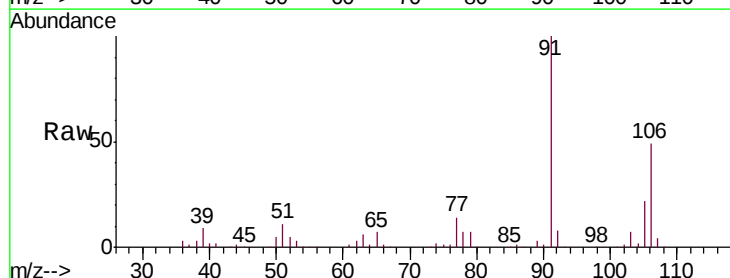
Acq: 14 Jun 2019 01:53

Tgt Ion: 106 Resp: 65492

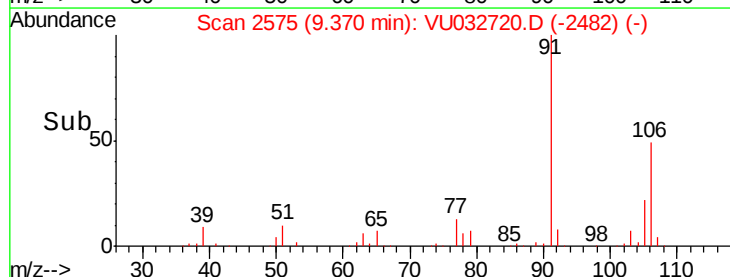
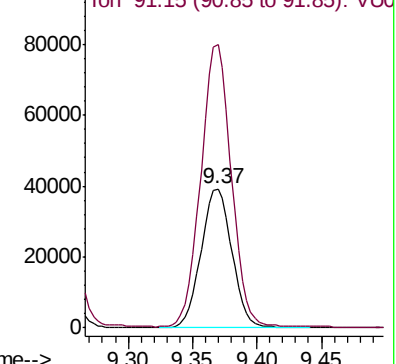
Ion Ratio Lower Upper

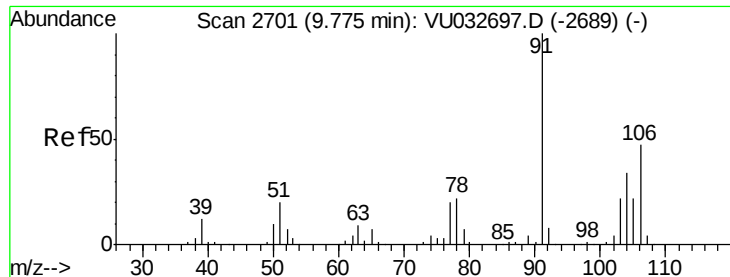
106 100

91 203.5 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032720.D (-2482) (-)

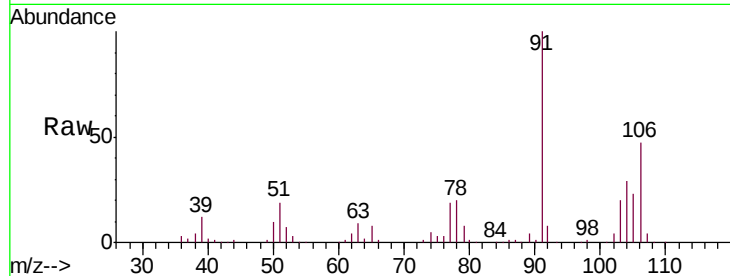




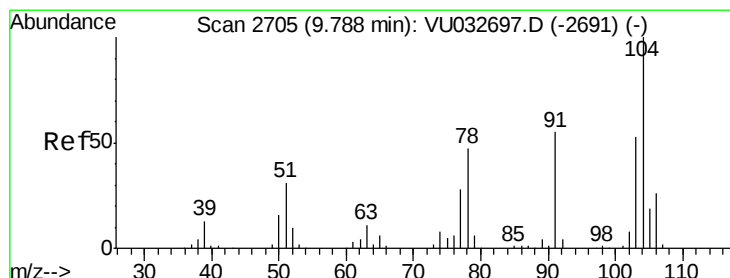
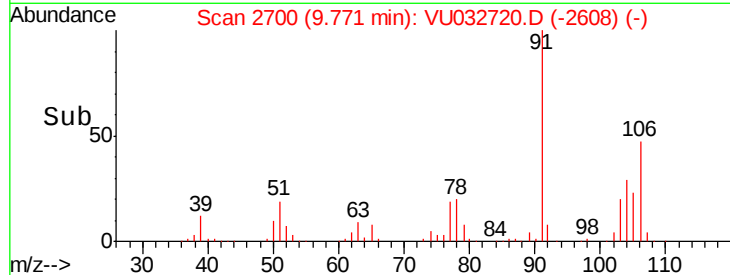
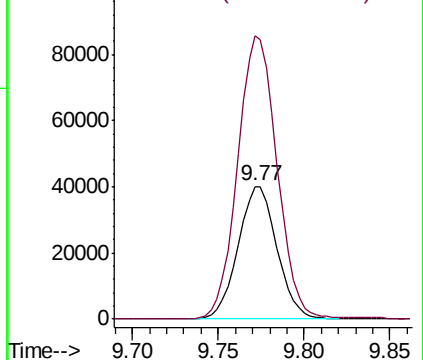
#54
o-Xylene
Concen: 4.702 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU032720.D
Acq: 14 Jun 2019 01:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tgt Ion:106 Resp: 62950
Ion Ratio Lower Upper
106 100
91 213.5 148.8 276.4

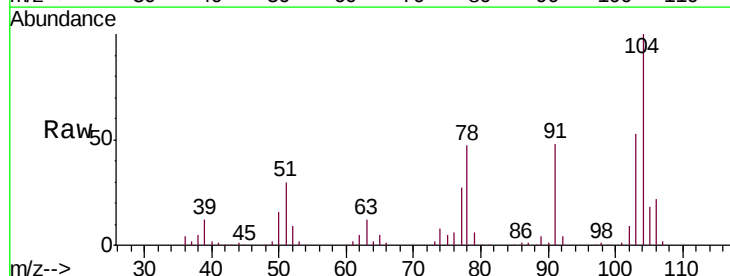


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

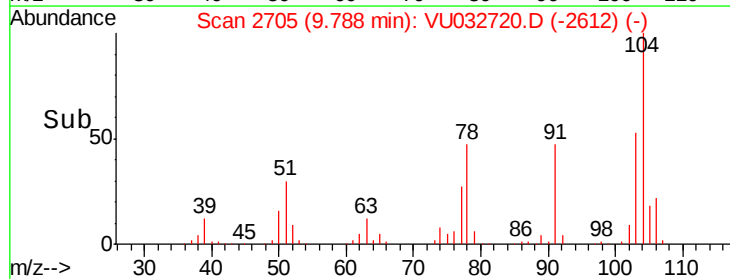
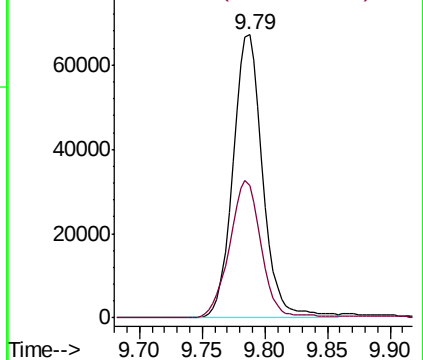


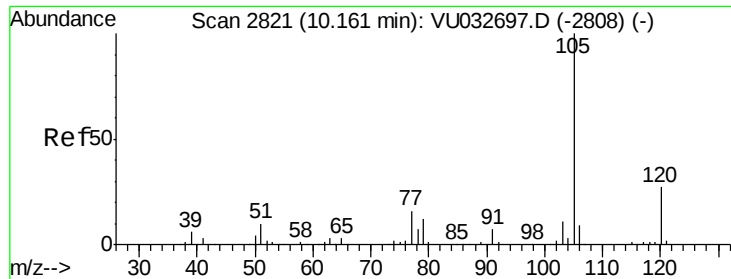
#55
Styrene
Concen: 5.028 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032720.D
Acq: 14 Jun 2019 01:53

Tgt Ion:104 Resp: 110744
Ion Ratio Lower Upper
104 100
78 46.7 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.727 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

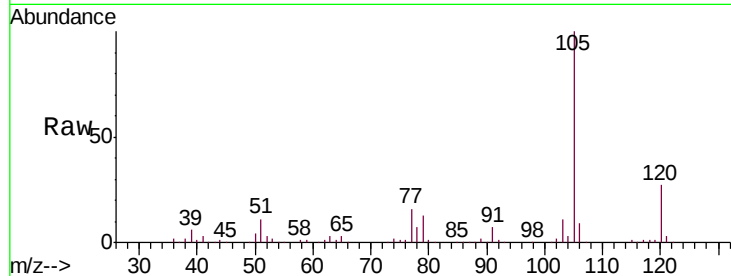
Tgt Ion: 105 Resp: 166937

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

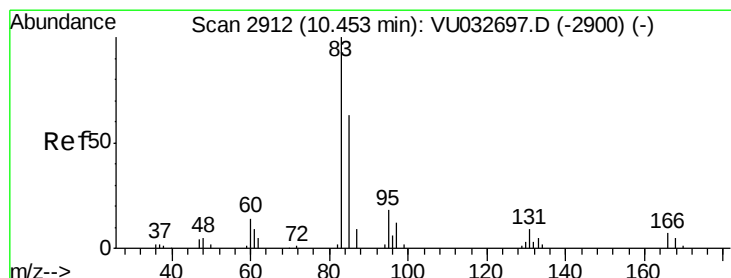
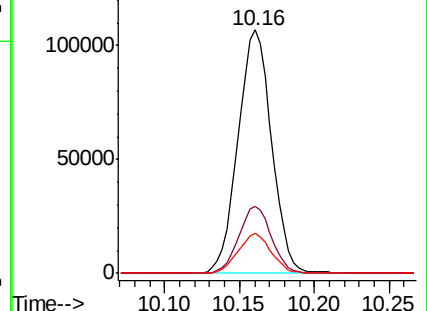
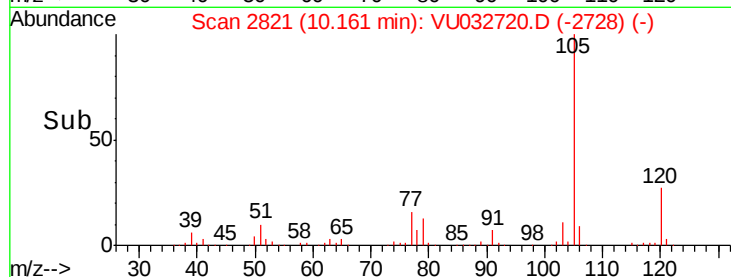
77 16.3 12.3 18.5



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: 5.245 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

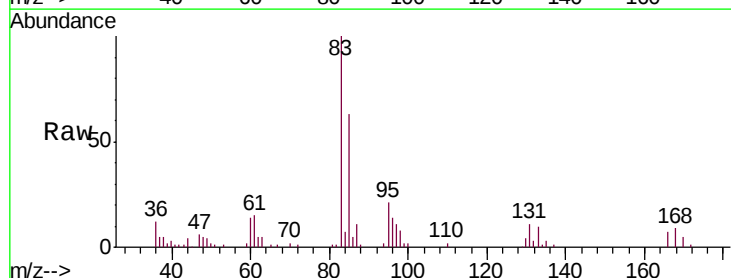
Tgt Ion: 83 Resp: 36373

Ion Ratio Lower Upper

83 100

85 63.4 45.7 84.9

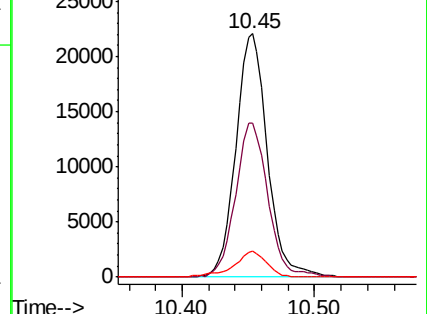
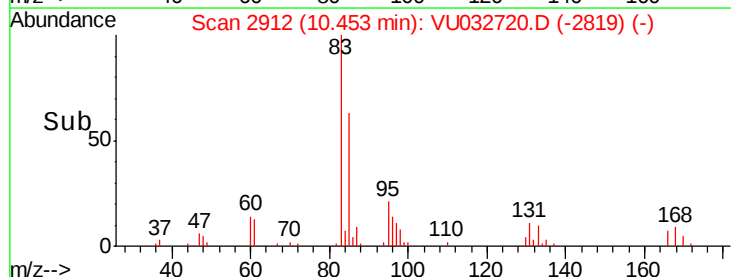
131 10.5 8.0 12.0

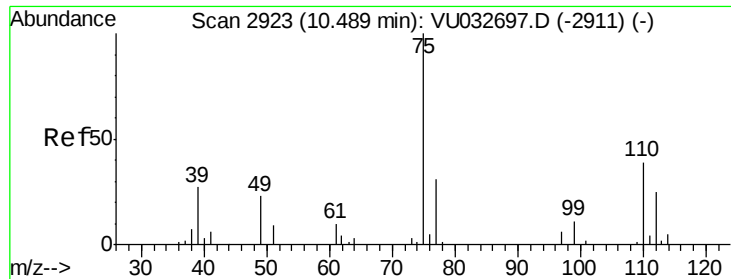


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

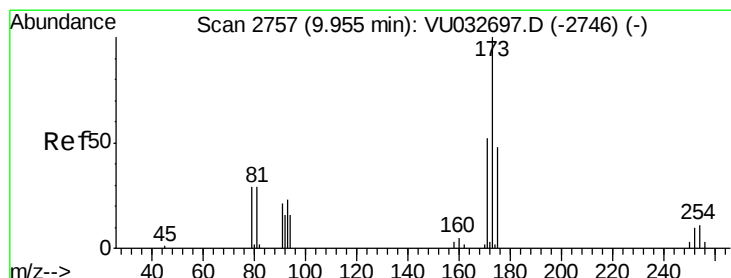
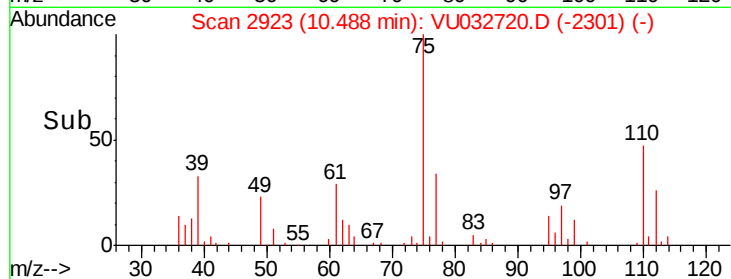
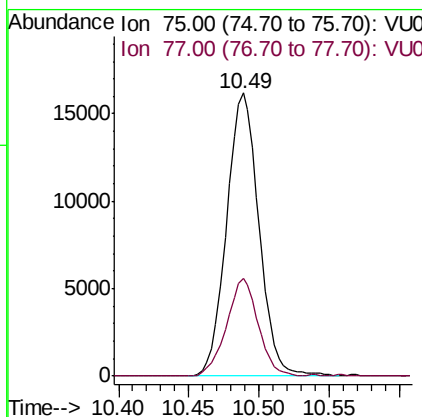
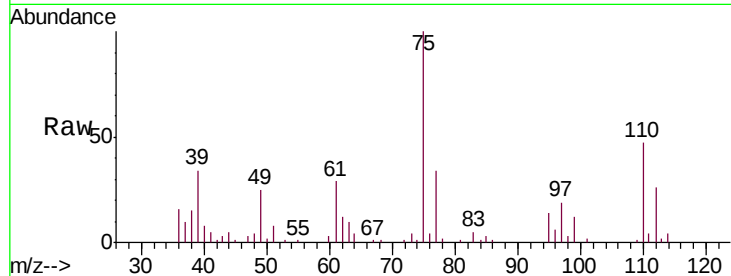




#59
 1,2,3-Trichloropropane
 Concen: 5.300 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

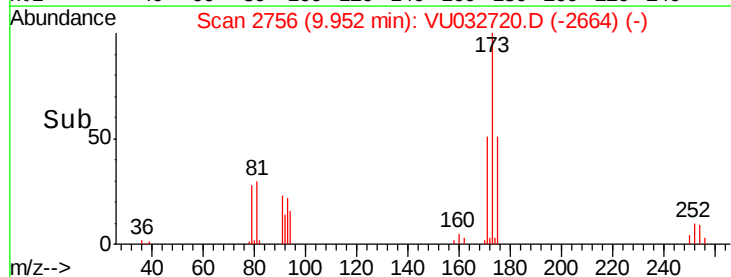
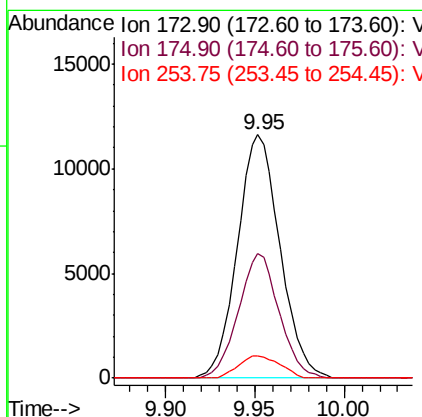
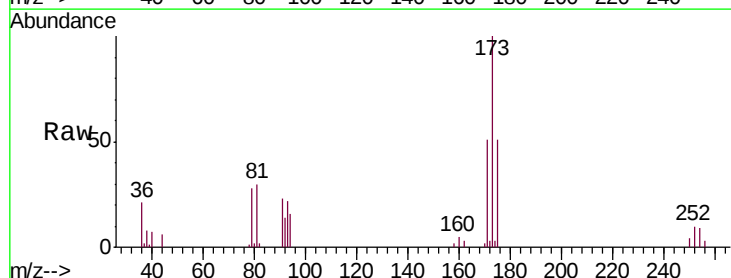
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

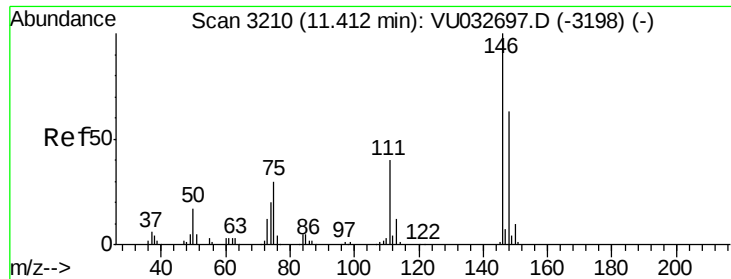
Tgt Ion: 75 Resp: 25940
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.3 37.9



#61
 Bromoform
 Concen: 4.552 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion: 173 Resp: 19345
 Ion Ratio Lower Upper
 173 100
 175 48.8 37.9 56.9
 254 8.9 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.742 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

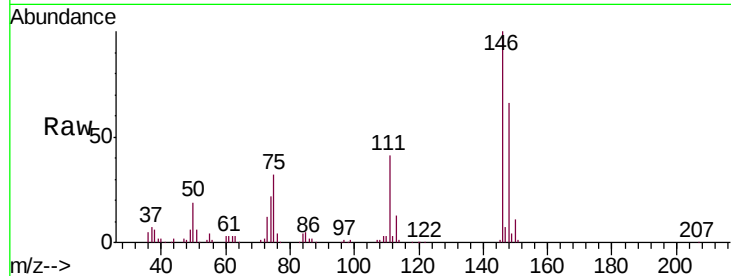
Tgt Ion:146 Resp: 81887

Ion Ratio Lower Upper

146 100

111 40.9 27.7 51.5

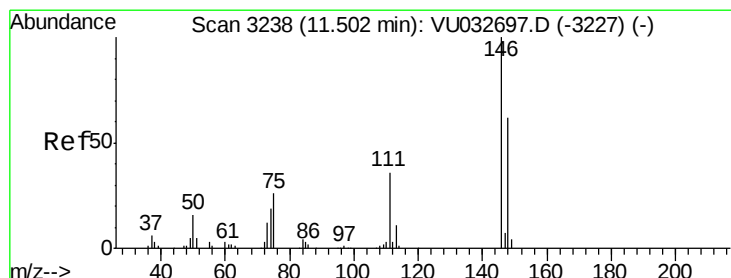
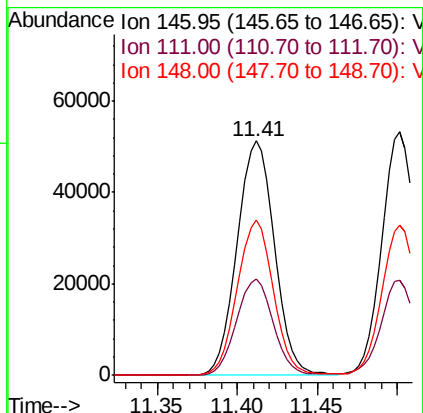
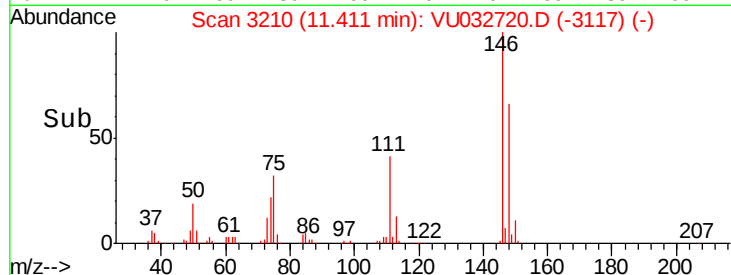
148 66.0 44.7 83.1



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: 4.686 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

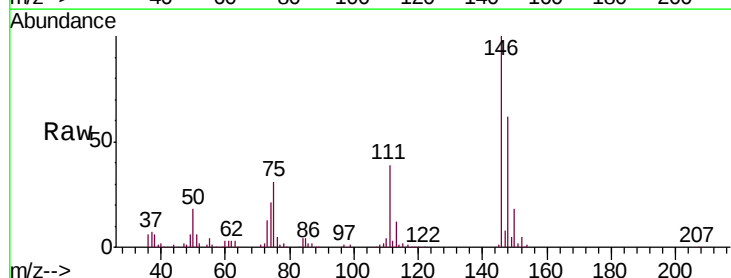
Tgt Ion:146 Resp: 82261

Ion Ratio Lower Upper

146 100

111 39.3 26.2 48.6

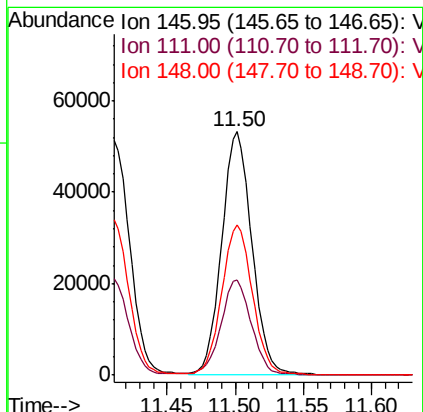
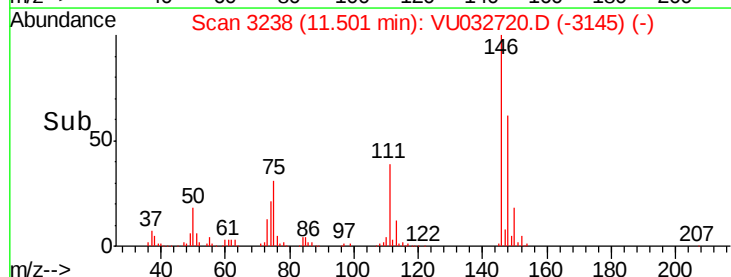
148 61.9 43.9 81.5

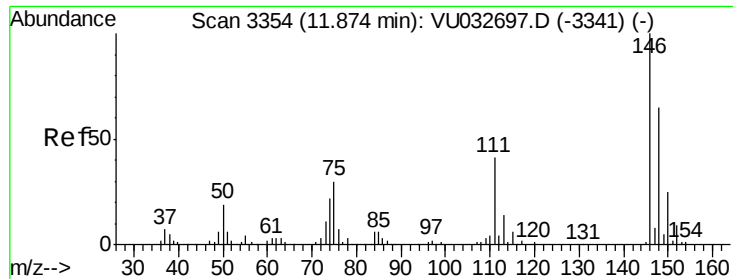


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

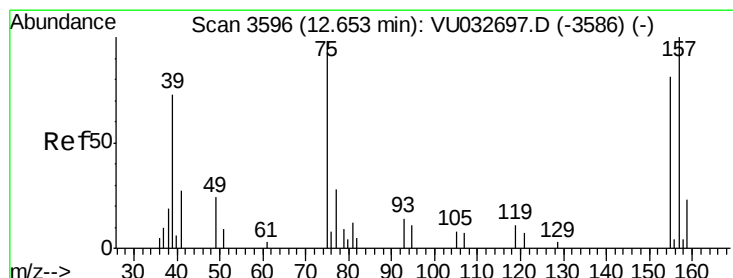
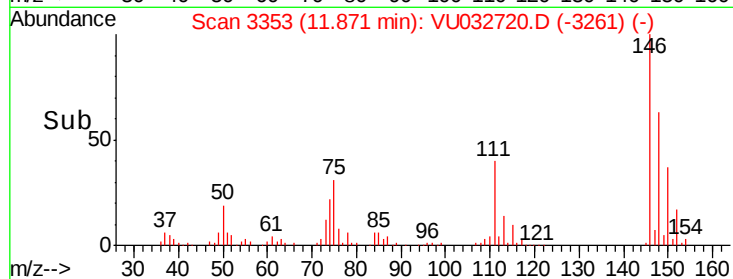
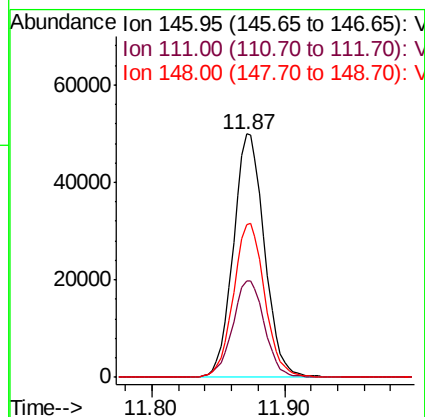
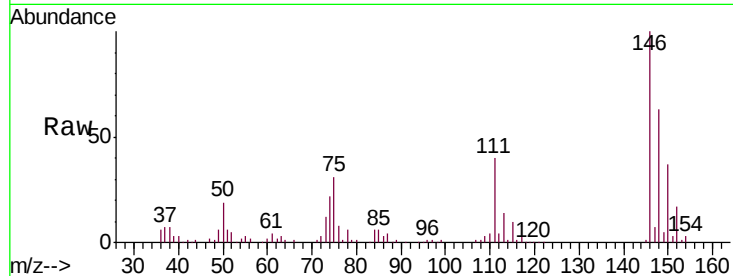




#65
 1,2-Dichlorobenzene
 Concen: 4.857 ug/L
 RT: 11.87 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

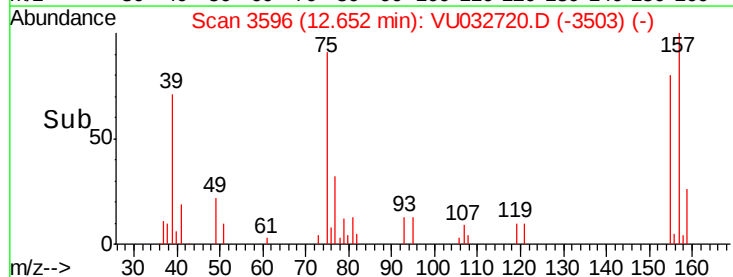
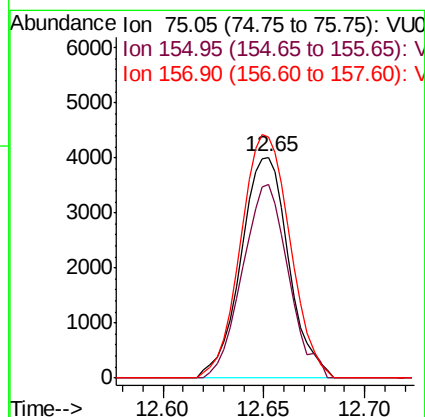
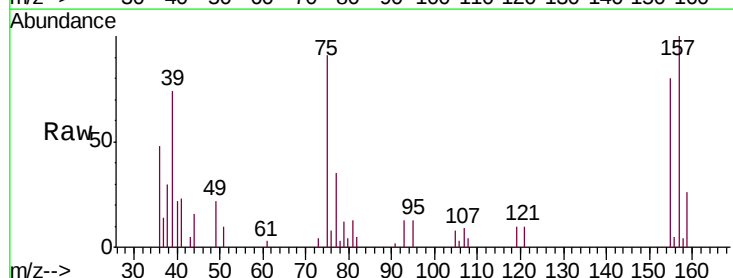
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

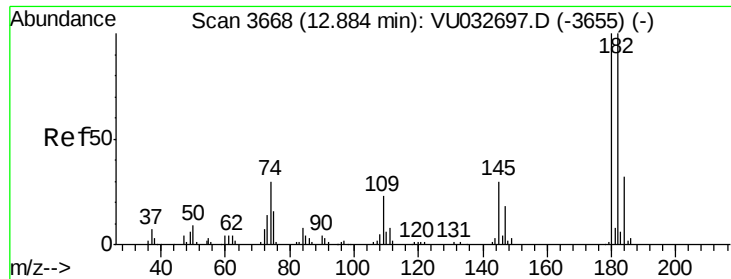
Tgt Ion: 146 Resp: 81043
 Ion Ratio Lower Upper
 146 100
 111 39.8 33.0 49.4
 148 62.7 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.685 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion: 75 Resp: 6660
 Ion Ratio Lower Upper
 75 100
 155 87.6 72.3 108.5
 157 109.3 87.4 131.0

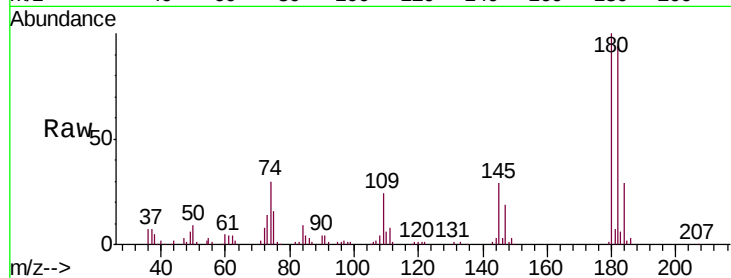




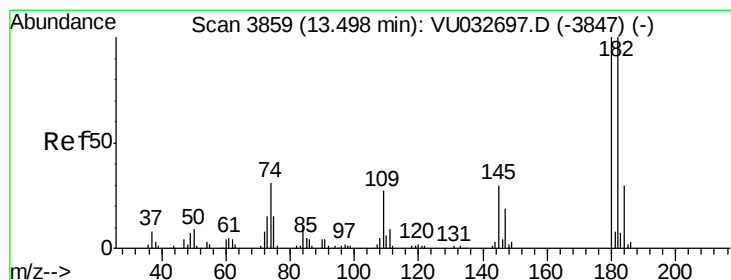
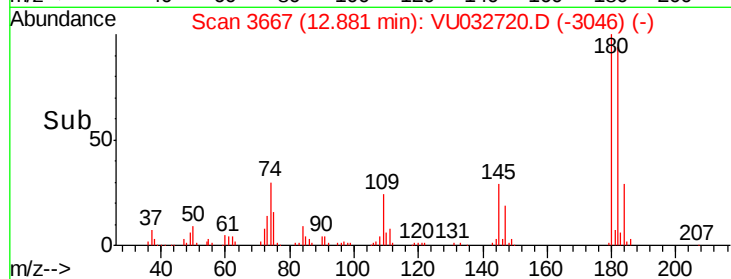
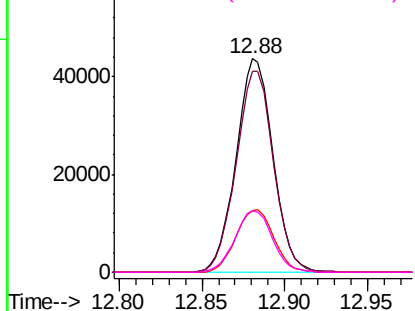
#67
 1,3,5-Trichlorobenzene
 Concen: 4.881 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion:180 Resp: 67556
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 115.0
 184 30.1 24.2 36.4
 145 29.5 23.5 35.3

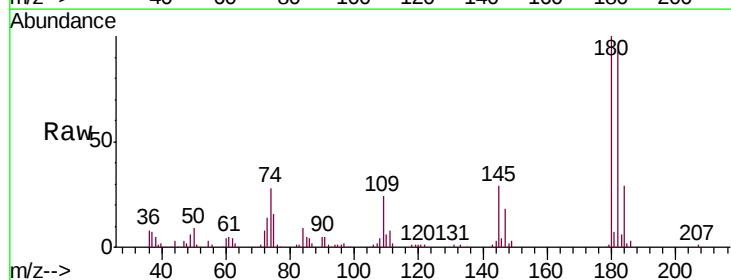


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

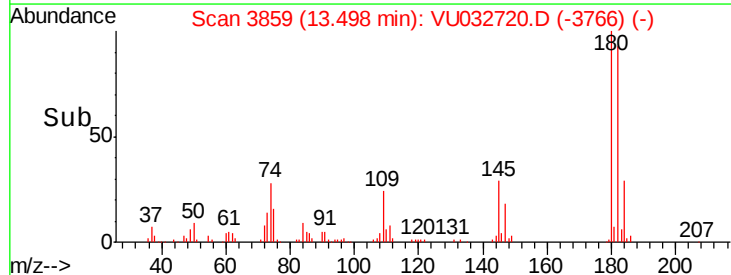
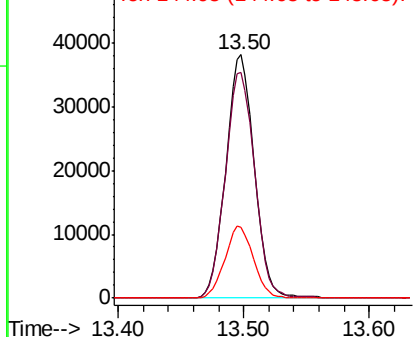


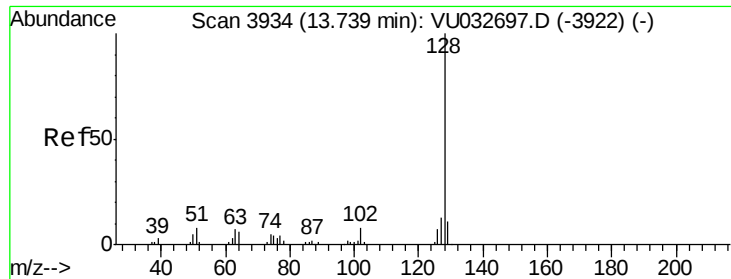
#68
 1,2,4-trichlorobenzene
 Concen: 5.375 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032720.D
 Acq: 14 Jun 2019 01:53

Tgt Ion:180 Resp: 59983
 Ion Ratio Lower Upper
 180 100
 182 95.6 74.8 112.2
 145 29.6 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: 5.874 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

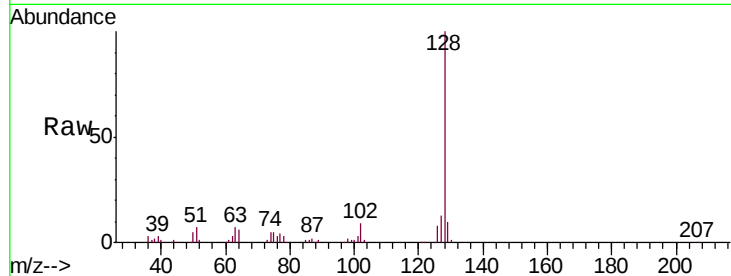
Tgt Ion:128 Resp: 114915

Ion Ratio Lower Upper

128 100

129 10.6 8.1 12.1

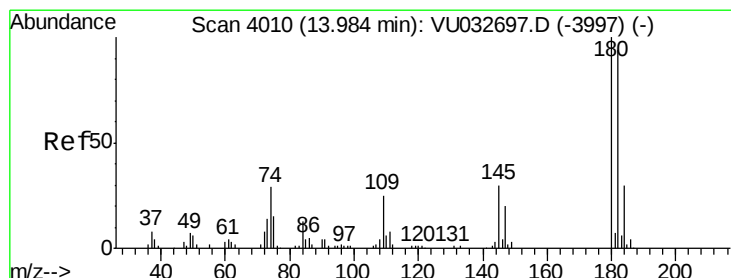
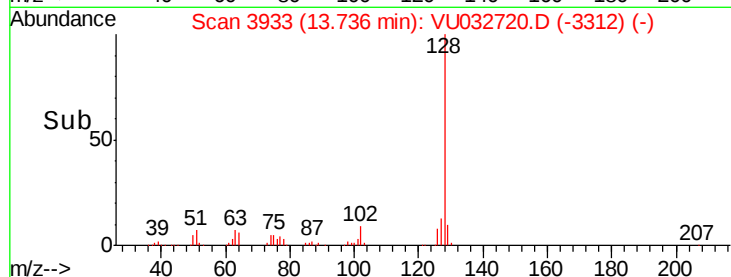
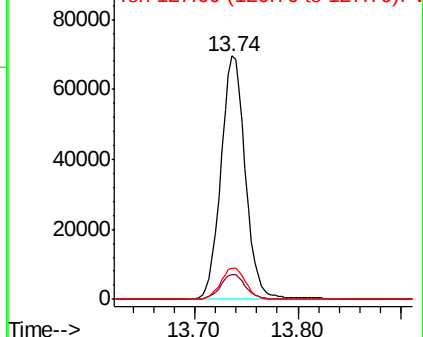
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.201 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032720.D

Acq: 14 Jun 2019 01:53

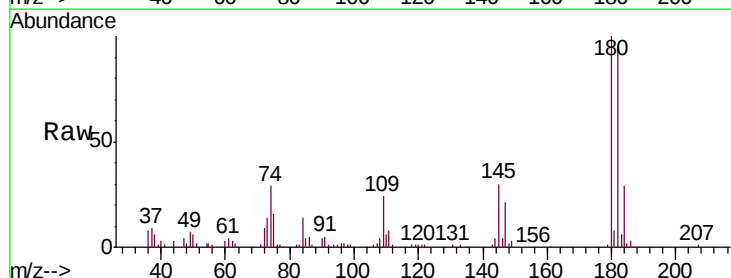
Tgt Ion:180 Resp: 57802

Ion Ratio Lower Upper

180 100

182 96.1 73.8 110.6

145 30.6 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

