

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073018\
 Data File : VU025729.D
 Acq On : 30 Jul 2018 17:48
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 31 03:38:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 28 02:19:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269474	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	260449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166840	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	137388	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
35) Dibromofluoromethane	4.89	113	113652	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	7.57	98	406304	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	10.31	95	158461	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	145477	56.10	ug/l	100
3) Chloromethane	1.33	50	115214	46.48	ug/l	99
4) Vinyl Chloride	1.40	62	121472	52.07	ug/l	100
5) Bromomethane	1.62	94	49105	43.10	ug/l	96
6) Chloroethane	1.70	64	69867	51.22	ug/l	100
7) Trichlorofluoromethane	1.89	101	174833	51.84	ug/l	100
8) Diethyl Ether	2.10	74	61581	50.46	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	101991	52.26	ug/l	99
10) Methyl Iodide	2.41	142	56644	34.36	ug/l	99
11) Tert butyl alcohol	2.83	59	143670	245.46	ug/l	99
12) 1,1-Dichloroethene	2.28	96	95084	51.61	ug/l	95
13) Acrolein	2.19	56	40292	189.59	ug/l	99
14) Allyl chloride	2.59	41	162835	49.18	ug/l	97
15) Acrylonitrile	2.94	53	312933	267.78	ug/l	99
16) Acetone	2.32	43	286144	219.53	ug/l	97
17) Carbon Disulfide	2.48	76	296277	49.69	ug/l	99
18) Methyl Acetate	2.62	43	184980	58.96	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	361837	54.20	ug/l	99
20) Methylene Chloride	2.70	84	114759	49.68	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	109584	51.46	ug/l	98
22) Diisopropyl ether	3.57	45	353159	54.13	ug/l	95
23) Vinyl Acetate	3.53	43	1534416	269.87	ug/l	100
24) 1,1-Dichloroethane	3.45	63	208518	53.24	ug/l	99
25) 2-Butanone	4.26	43	455728	256.85	ug/l	99
26) 2,2-Dichloropropane	4.23	77	174524	49.03	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	125426	52.24	ug/l	98
28) Bromochloromethane	4.55	49	90978	51.96	ug/l	99
29) Tetrahydrofuran	4.64	42	285112	268.21	ug/l	99
30) Chloroform	4.68	83	215477	52.13	ug/l	98
31) Cyclohexane	5.00	56	175065	51.43	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	196249	52.73	ug/l	99
36) 1,1-Dichloropropene	5.14	75	161246	51.20	ug/l	99
37) Ethyl Acetate	4.38	43	170302	52.15	ug/l	99
38) Carbon Tetrachloride	5.14	117	179322	50.27	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	173813	48.17	ug/l	98
40) Benzene	5.39	78	454408	49.36	ug/l	98
41) Methacrylonitrile	4.54	41	94745	52.24	ug/l	99
42) 1,2-Dichloroethane	5.41	62	177150	49.98	ug/l	99
43) Isopropyl Acetate	5.55	43	276692	51.28	ug/l	99
44) Trichloroethene	6.19	130	128190	50.00	ug/l	99
45) 1,2-Dichloropropane	6.44	63	120501	50.19	ug/l	100
46) Dibromomethane	6.56	93	87374	50.23	ug/l	100
47) Bromodichloromethane	6.76	83	169527	51.09	ug/l	97
48) Methyl methacrylate	6.63	41	142415	53.85	ug/l	97
49) 1,4-Dioxane	6.62	88	57552	894.25	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	881563	260.95	ug/l	100
52) Toluene	7.64	92	294727	51.54	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	195228	52.40	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	199156	52.04	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	119366	50.22	ug/l	100
56) Ethyl methacrylate	8.02	69	182370	53.71	ug/l	96
57) 1,3-Dichloropropane	8.25	76	203588	50.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	381820	248.35	ug/l	99
59) 2-Hexanone	8.36	43	688372	259.94	ug/l	98
60) Dibromochloromethane	8.48	129	143245	51.11	ug/l	99
61) 1,2-Dibromoethane	8.59	107	134497	50.89	ug/l	100
64) Tetrachloroethene	8.23	164	111818	48.78	ug/l	98
65) Chlorobenzene	9.12	112	338475	50.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	129459	53.29	ug/l	99
67) Ethyl Benzene	9.25	91	573435	51.55	ug/l	100
68) m/p-Xylenes	9.38	106	447371	104.76	ug/l	100
69) o-Xylene	9.78	106	218265	52.30	ug/l	100
70) Styrene	9.80	104	359524	53.33	ug/l	99
71) Bromoform	9.96	173	111070	52.73	ug/l #	97
73) Isopropylbenzene	10.17	105	580856	51.01	ug/l	100
74) N-amyl acetate	10.01	43	253280	54.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	197907	50.26	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	231880	64.38	ug/l	85
77) Bromobenzene	10.45	156	156545	49.84	ug/l	99
78) n-propylbenzene	10.59	91	685599	51.58	ug/l	100
79) 2-Chlorotoluene	10.66	91	403628	51.85	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	503249	52.04	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	231880	174.47	ug/l #	100
82) 4-Chlorotoluene	10.77	91	474938	51.76	ug/l	99
83) tert-Butylbenzene	11.10	119	491028	51.10	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	516167	52.67	ug/l	98
85) sec-Butylbenzene	11.33	105	585954	49.95	ug/l	99
86) p-Isopropyltoluene	11.48	119	532521	50.69	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	290801	49.88	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	297840	49.01	ug/l	99
89) n-Butylbenzene	11.89	91	473366	48.83	ug/l	100
90) Hexachloroethane	12.15	117	92522	49.54	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	290454	50.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49198	52.70	ug/l	98

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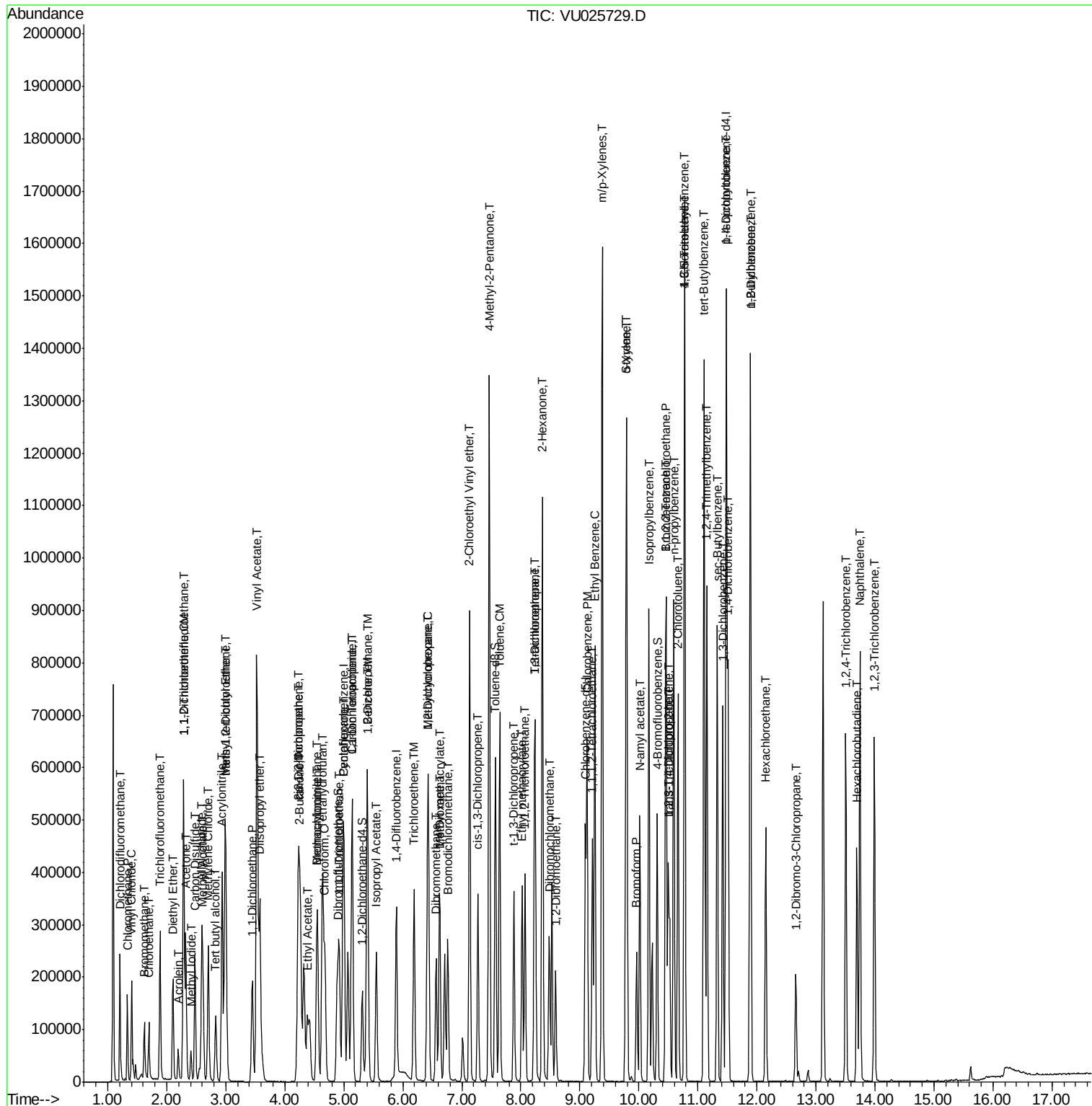
Instrument :
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ClientSampleId :
VSTDCCC050EC

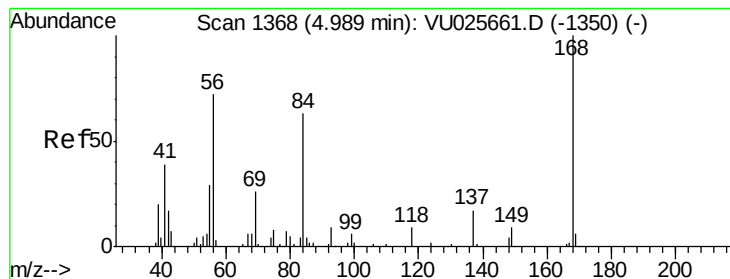
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	205004	53.15	ug/l	99
94) Hexachlorobutadiene	13.70	225	84374	41.50	ug/l	98
95) Naphthalene	13.74	128	645469	52.05	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	204325	53.11	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

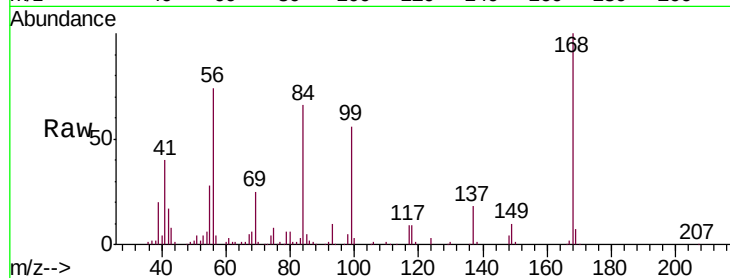
VSTDCCC050EC

Tot Ion:168 Resp: 171583

Ion Ratio Lower Upper

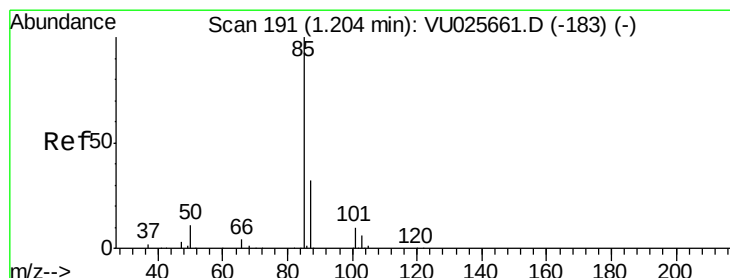
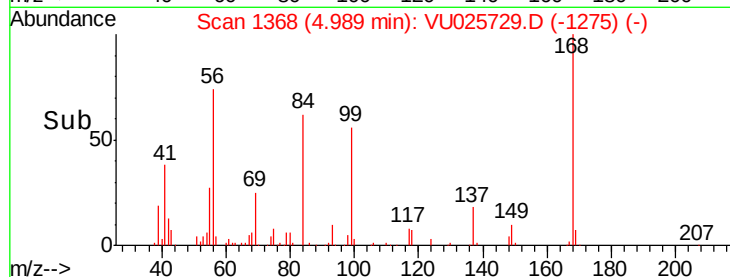
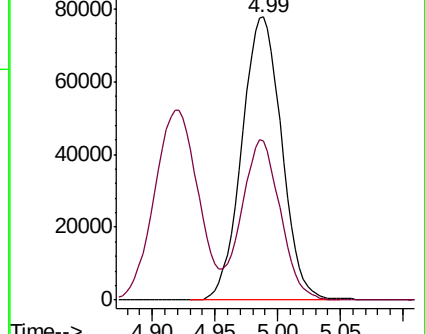
168 100

99 56.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 56.10 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025729.D

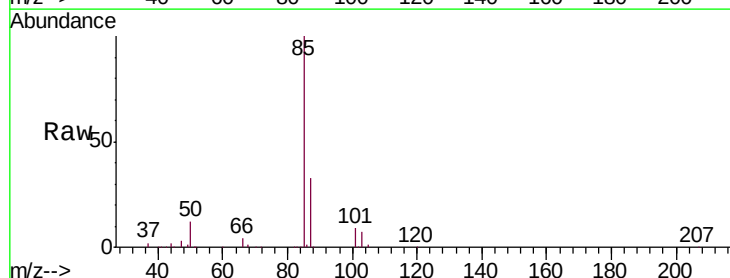
Acq: 30 Jul 2018 17:48

Tgt Ion: 85 Resp: 145477

Ion Ratio Lower Upper

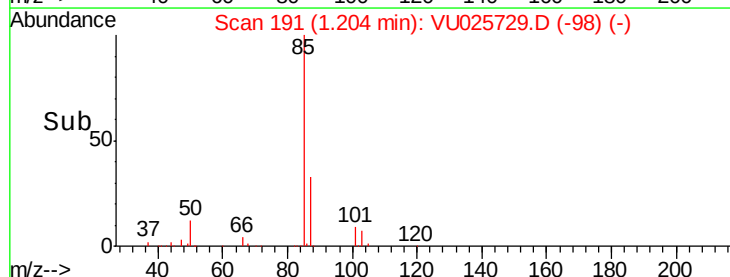
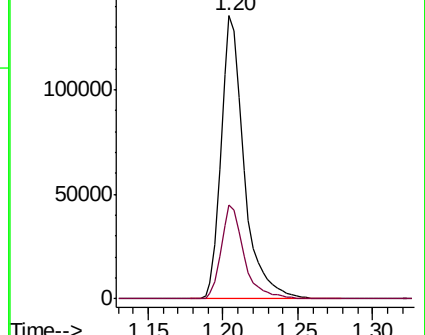
85 100

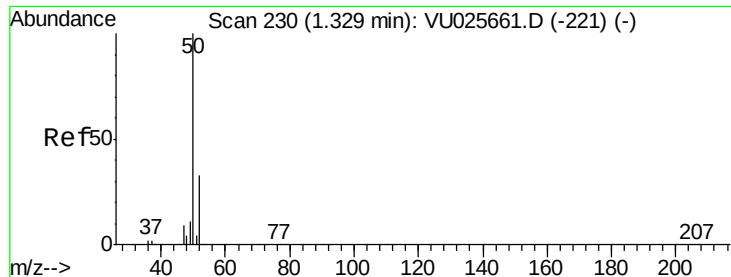
87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

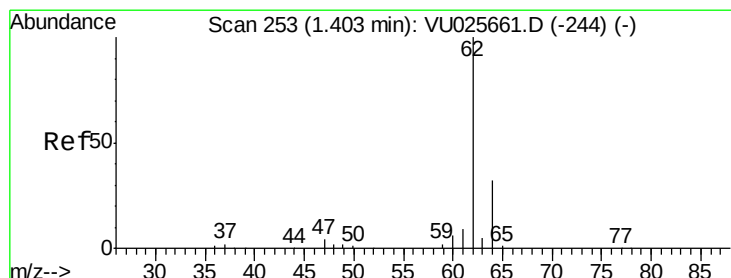
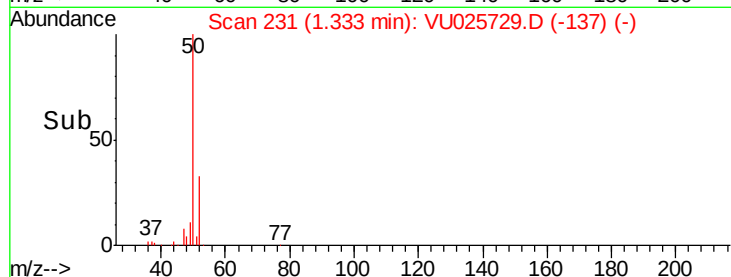
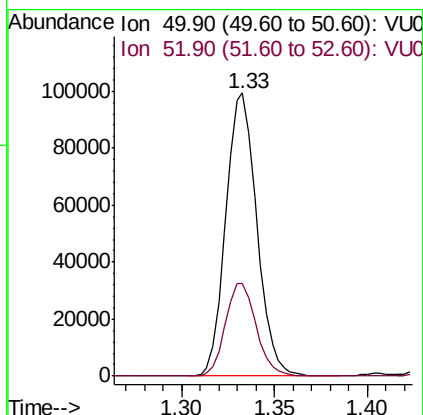
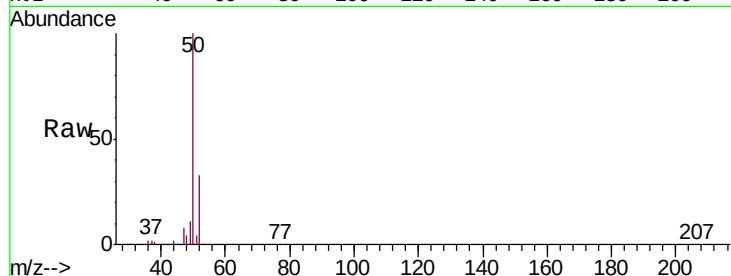




#3
Chloromethane
Concen: 46.48 ug/l
RT: 1.33 min Scan# 231
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

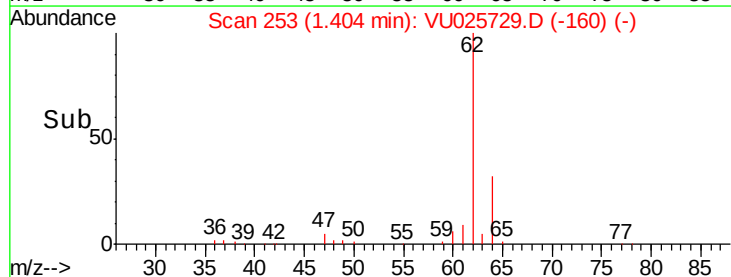
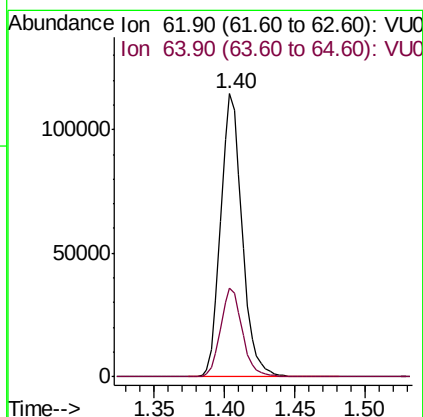
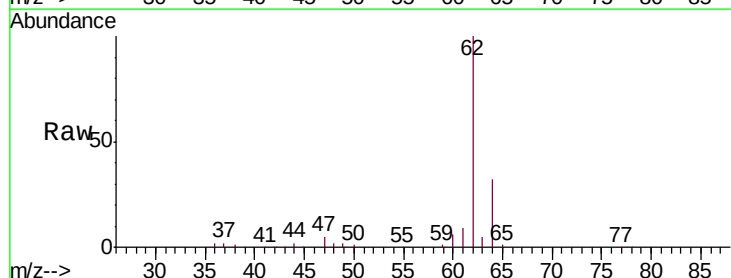
Instrument :
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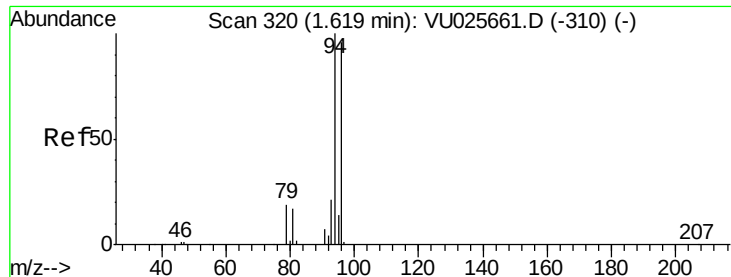
Tot Ion: 50 Resp: 115214
Ion Ratio Lower Upper
50 100
52 32.8 26.5 39.7



#4
Vinyl Chloride
Concen: 52.07 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion: 62 Resp: 121472
Ion Ratio Lower Upper
62 100
64 31.5 25.4 38.0





#5

Bromomethane

Concen: 43.10 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

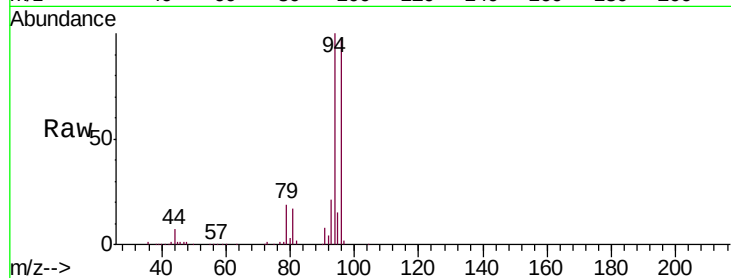
VSTDCCC050EC

Tot Ion: 94 Resp: 49105

Ion Ratio Lower Upper

94 100

96 97.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.62

40000

30000

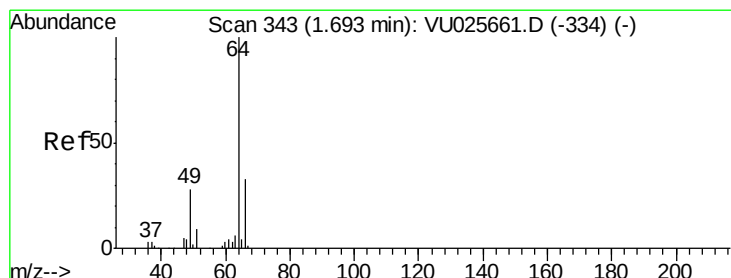
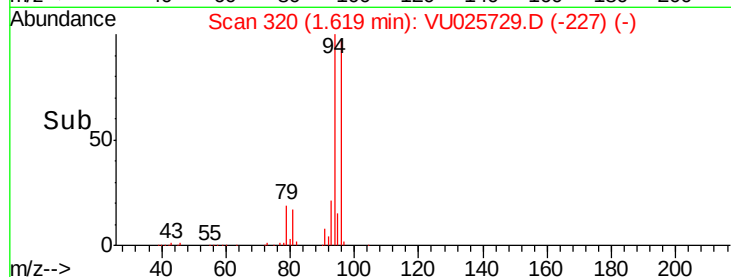
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 51.22 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025729.D

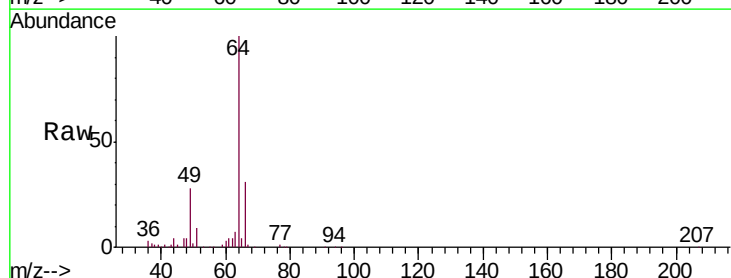
Acq: 30 Jul 2018 17:48

Tgt Ion: 64 Resp: 69867

Ion Ratio Lower Upper

64 100

66 31.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.70

60000

50000

40000

30000

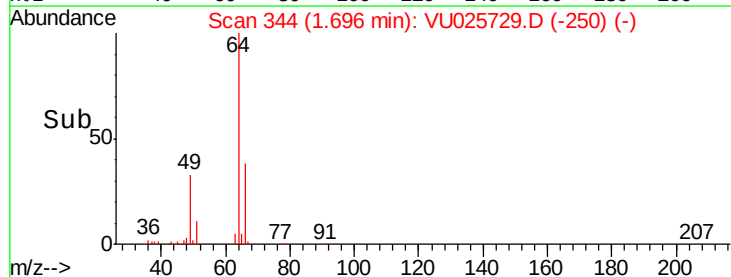
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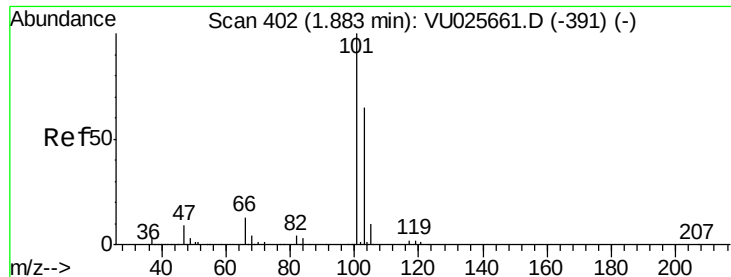
10000

0

1.60 1.65 1.70 1.75 1.80

Time-->





#7

Trichlorofluoromethane

Concen: 51.84 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

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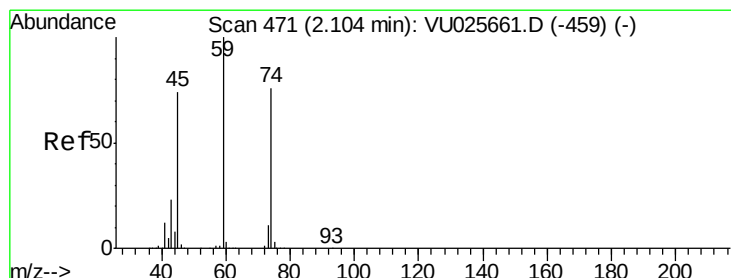
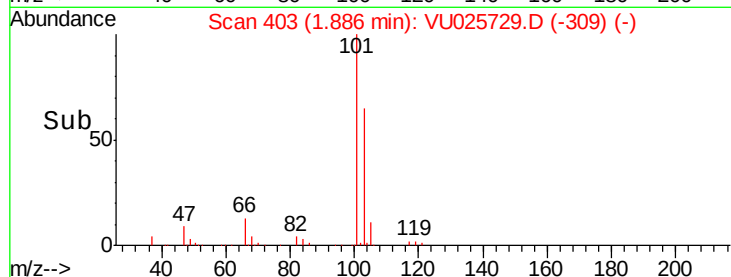
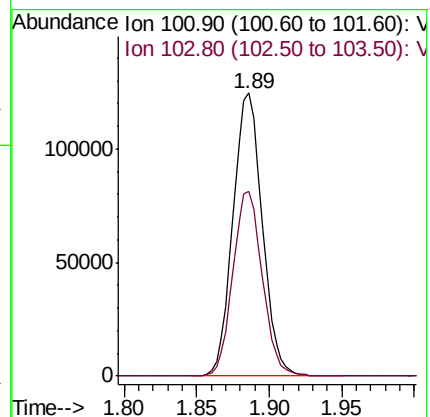
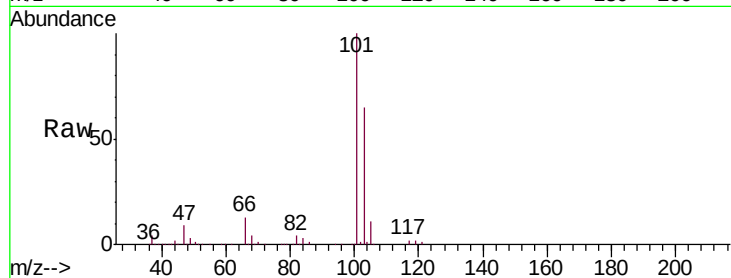
VSTDCCC050EC

Tot Ion:101 Resp: 174833

Ion Ratio Lower Upper

101 100

103 65.3 52.2 78.2



#8

Diethyl Ether

Concen: 50.46 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025729.D

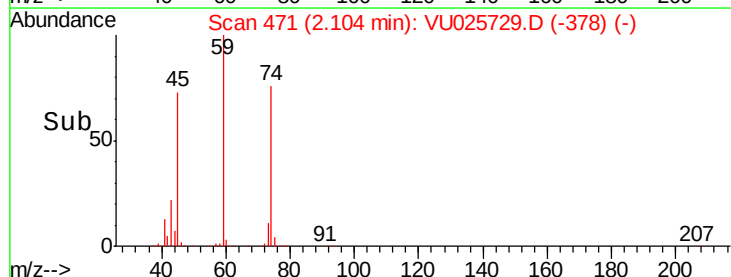
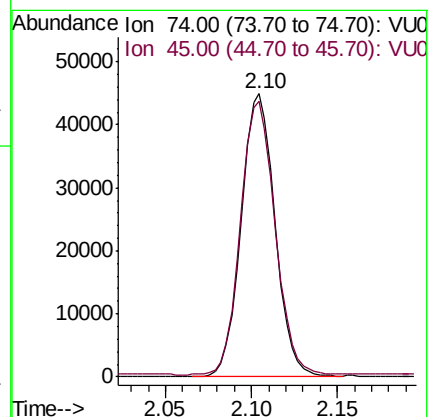
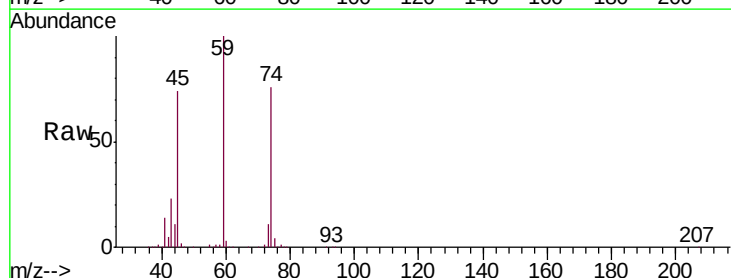
Acq: 30 Jul 2018 17:48

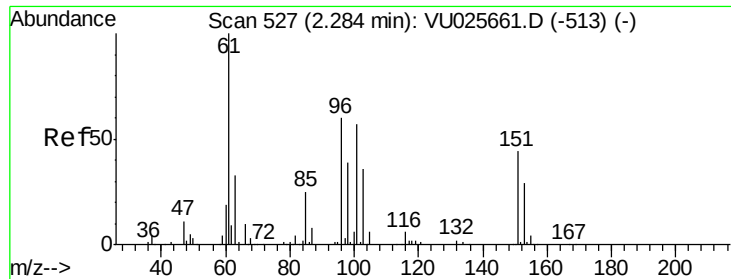
Tgt Ion: 74 Resp: 61581

Ion Ratio Lower Upper

74 100

45 99.2 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.26 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025729.D

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Instrument :

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VSTDCCC050EC

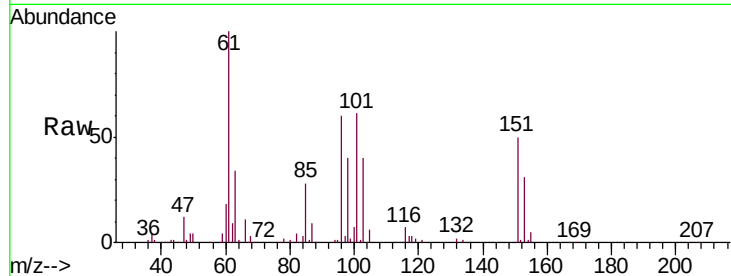
Tot Ion:101 Resp: 101991

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

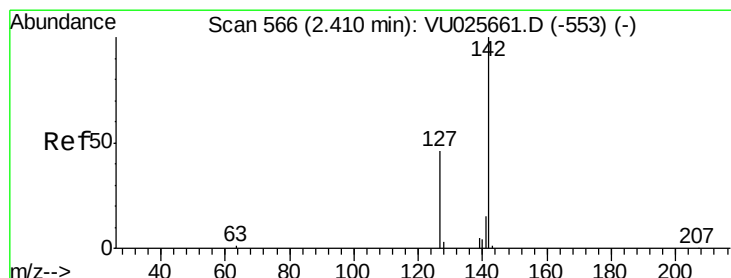
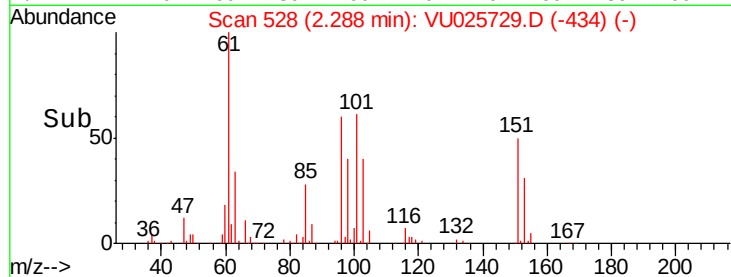
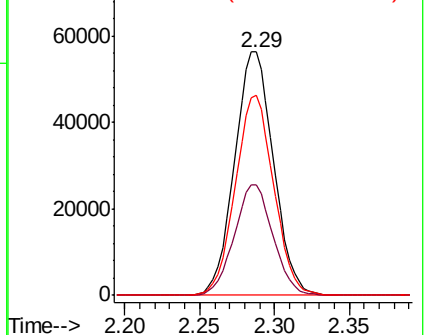
151 80.9 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.36 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

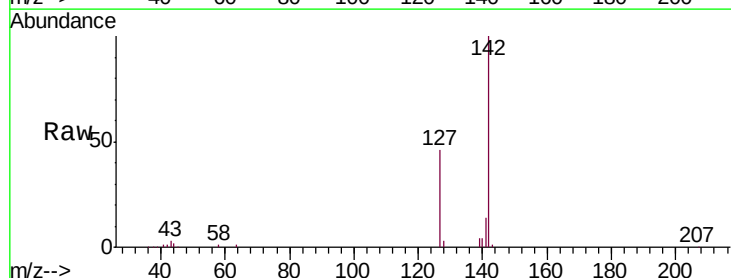
Tgt Ion:142 Resp: 56644

Ion Ratio Lower Upper

142 100

127 45.3 36.5 54.7

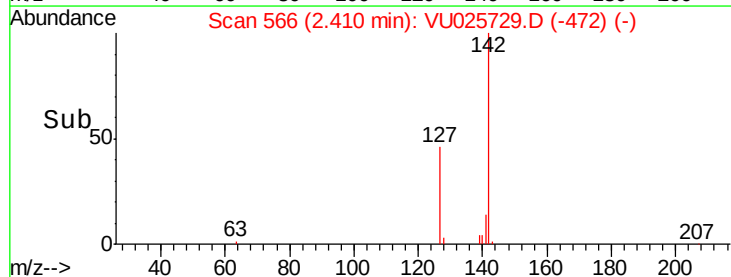
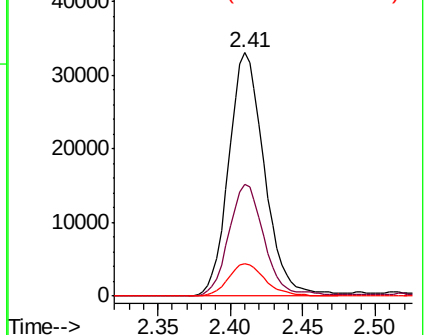
141 13.8 11.4 17.2

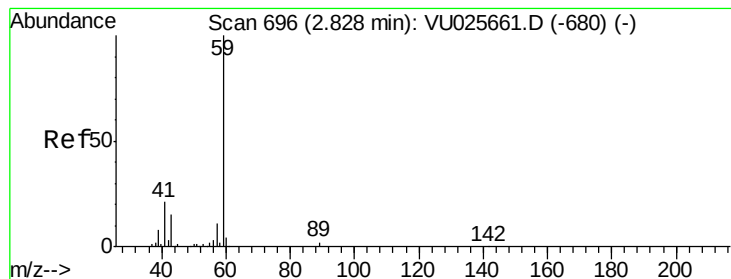


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



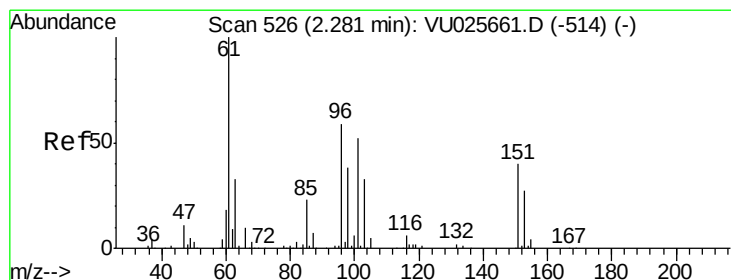
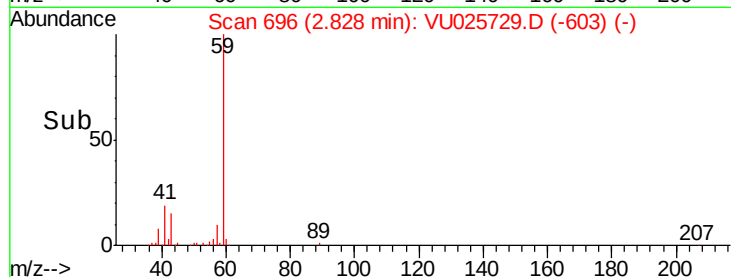
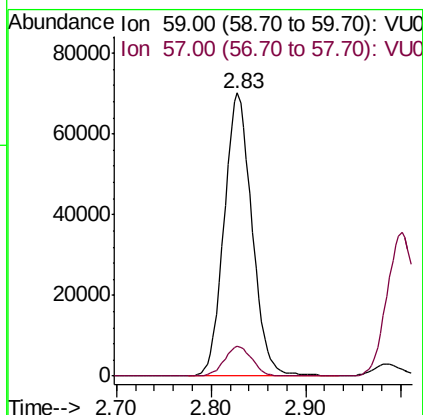
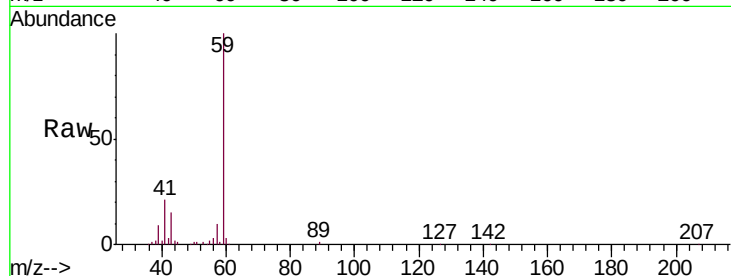


#11

Tert butyl alcohol
 Concen: 245.46 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

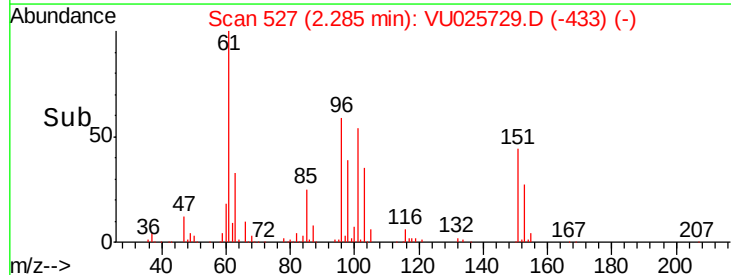
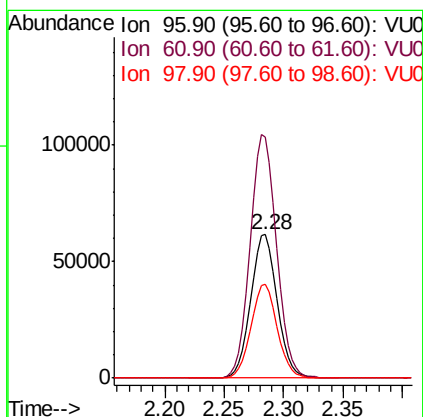
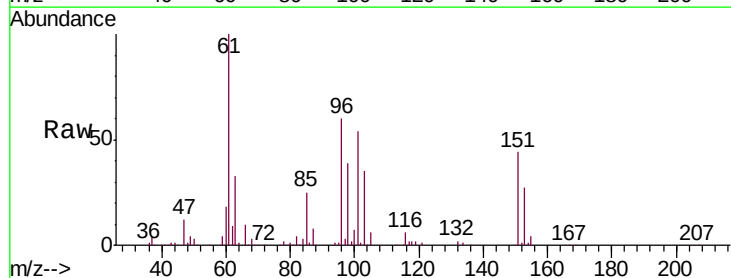
Tot Ion: 59 Resp: 143670
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

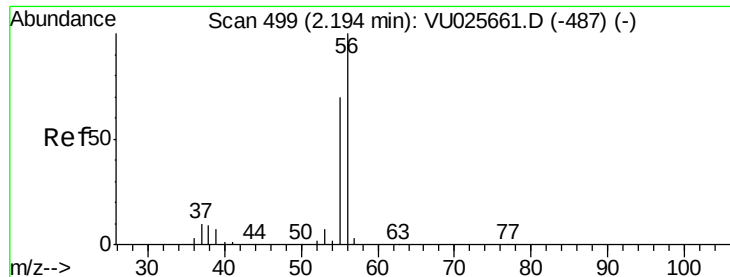


#12

1,1-Dichloroethene
 Concen: 51.61 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion: 96 Resp: 95084
 Ion Ratio Lower Upper
 96 100
 61 167.8 140.2 210.4
 98 65.8 49.3 73.9





#13

Acrolein

Concen: 189.59 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

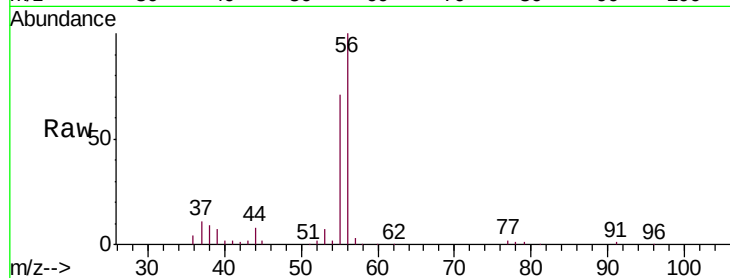
VSTDCCC050EC

Tot Ion: 56 Resp: 40292

Ion Ratio Lower Upper

56 100

55 70.7 57.2 85.8

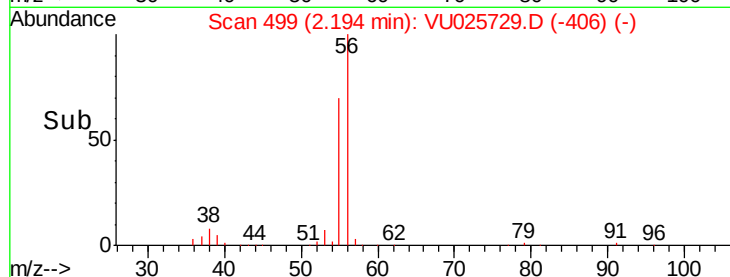


Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025661.D (-487) (-)

2.19

Time-->

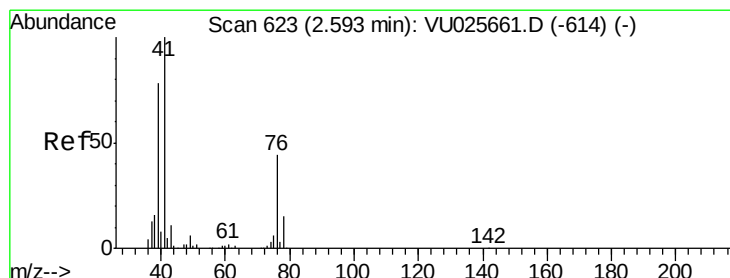


Abundance Ion 56.00 (55.70 to 56.70): VU025729.D (-406) (-)

Ion 55.00 (54.70 to 55.70): VU025729.D (-406) (-)

2.19

Time-->



#14

Allyl chloride

Concen: 49.18 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

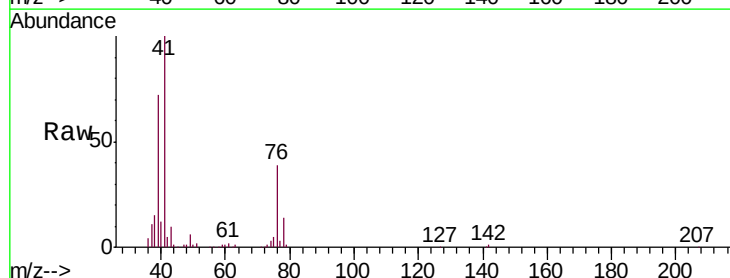
Tgt Ion: 41 Resp: 162835

Ion Ratio Lower Upper

41 100

39 72.0 60.6 91.0

76 38.9 30.5 45.7



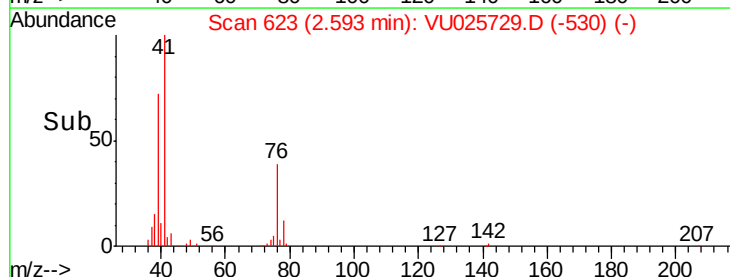
Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-614) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-614) (-)

Ion 75.90 (75.60 to 76.60): VU025661.D (-614) (-)

2.59

Time-->



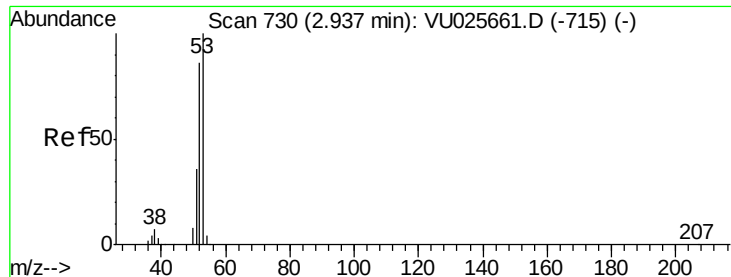
Abundance Ion 41.00 (40.70 to 41.70): VU025729.D (-530) (-)

Ion 39.00 (38.70 to 39.70): VU025729.D (-530) (-)

Ion 75.90 (75.60 to 76.60): VU025729.D (-530) (-)

2.59

Time-->



#15

Acrylonitrile

Concen: 267.78 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

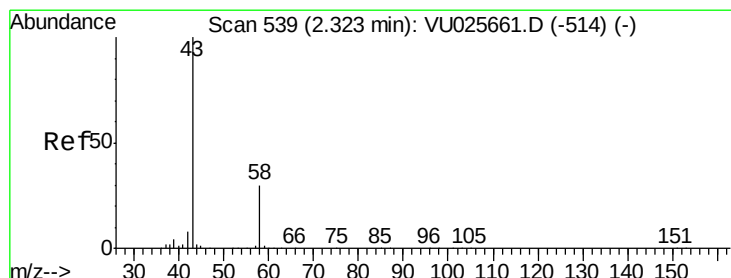
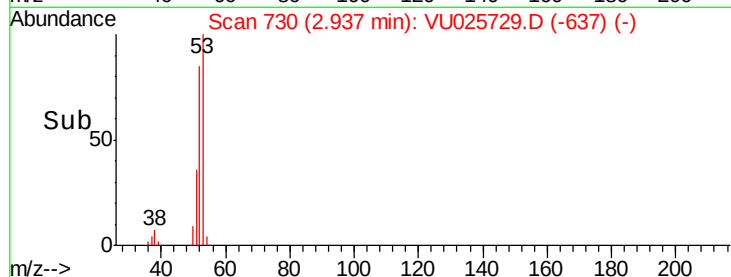
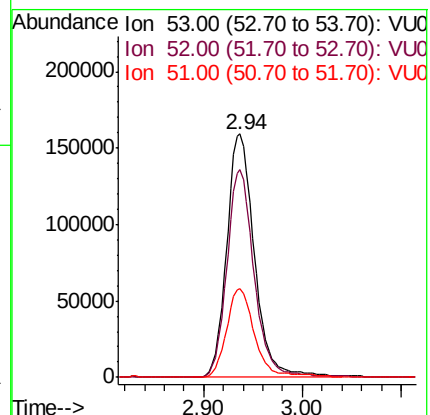
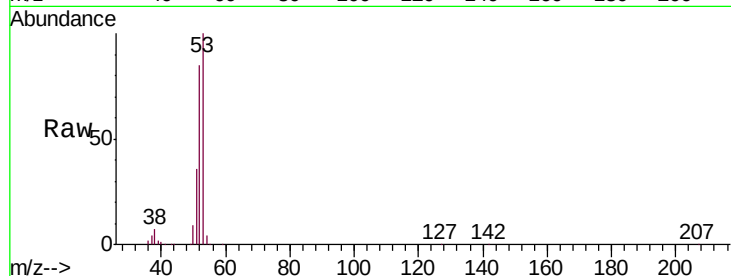
Tot Ion: 53 Resp: 312933

Ion Ratio Lower Upper

53 100

52 84.2 66.6 99.8

51 37.3 29.4 44.2



#16

Acetone

Concen: 219.53 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025729.D

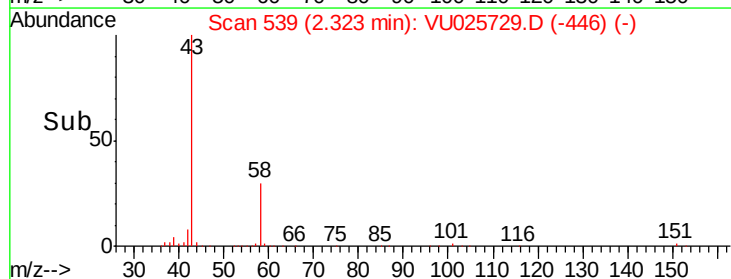
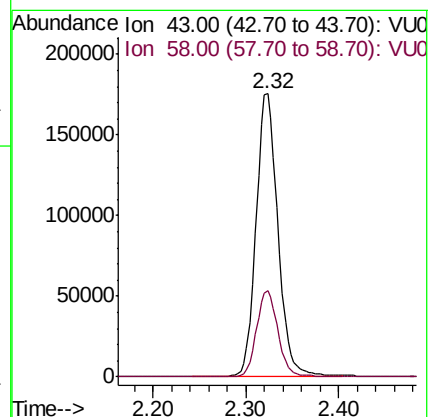
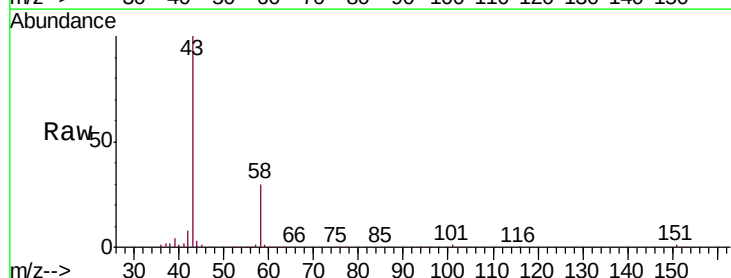
Acq: 30 Jul 2018 17:48

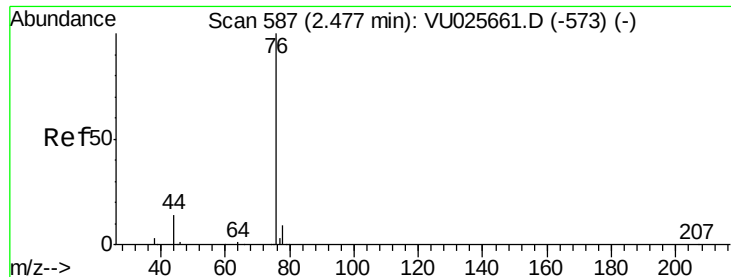
Tgt Ion: 43 Resp: 286144

Ion Ratio Lower Upper

43 100

58 30.4 23.1 34.7





#17

Carbon Disulfide

Concen: 49.69 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

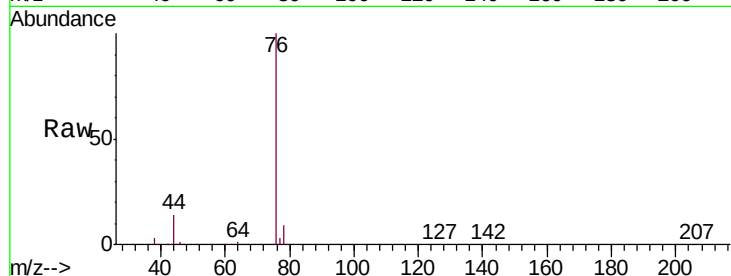
VSTDCCC050EC

Tot Ion: 76 Resp: 296277

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025661.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025661.D (-573) (-)

2.48

200000

150000

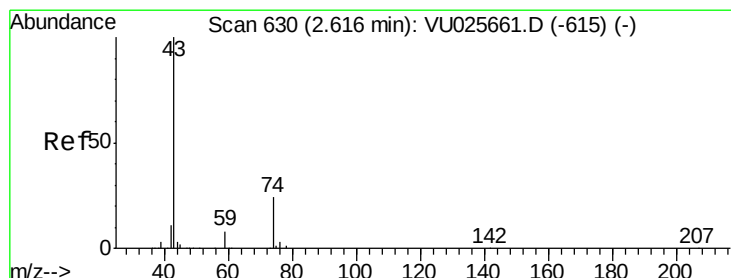
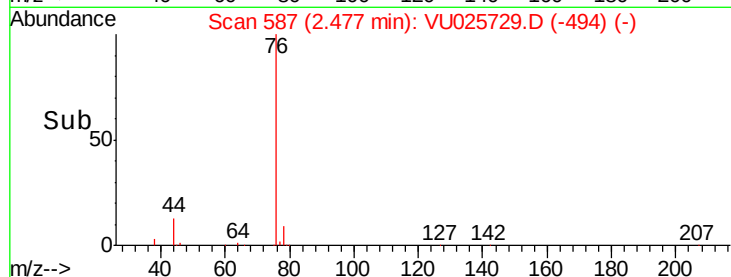
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 58.96 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025729.D

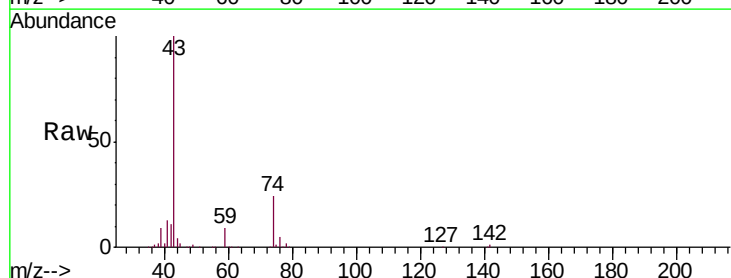
Acq: 30 Jul 2018 17:48

Tgt Ion: 43 Resp: 184980

Ion Ratio Lower Upper

43 100

74 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-615) (-)

Ion 74.00 (73.70 to 74.70): VU025661.D (-615) (-)

2.62

120000

100000

80000

60000

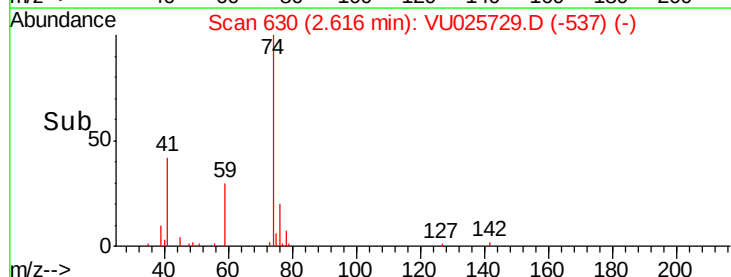
40000

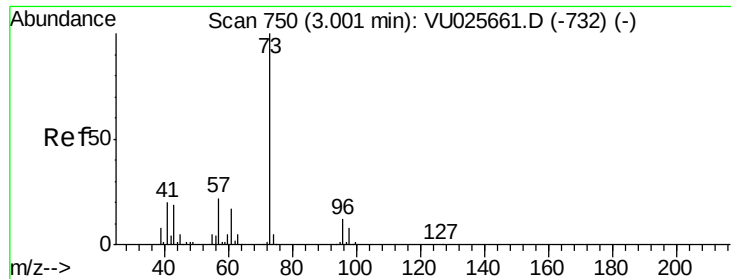
20000

0

2.55 2.60 2.65 2.70

Time-->

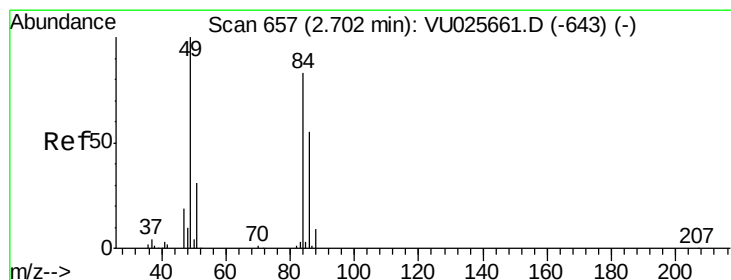
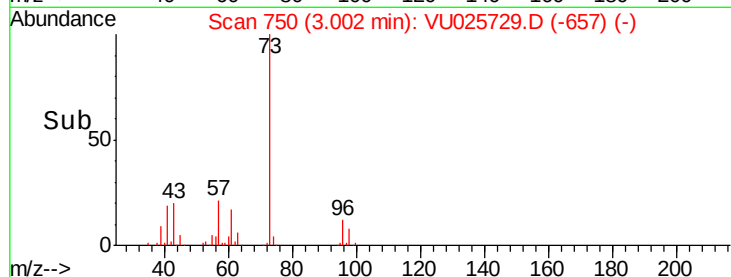
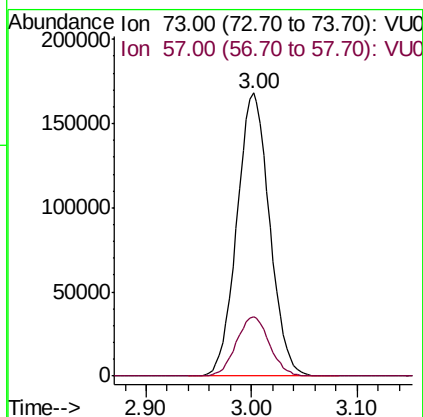
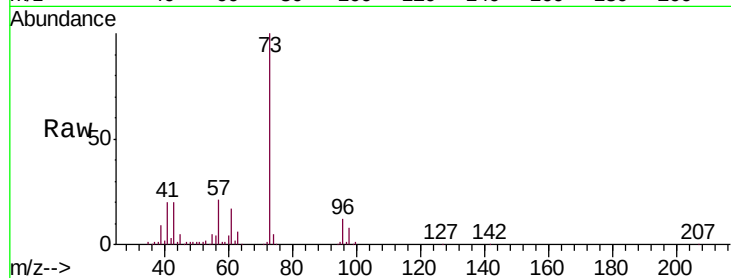




#19
Methyl tert-butyl Ether
Concen: 54.20 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

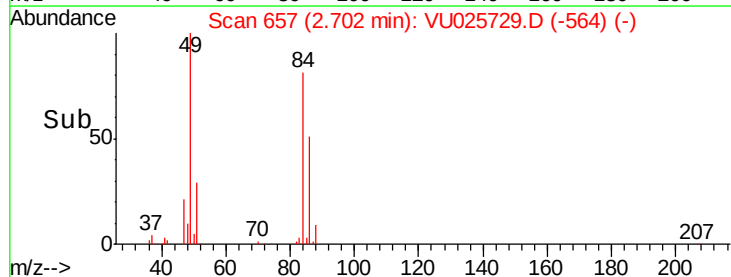
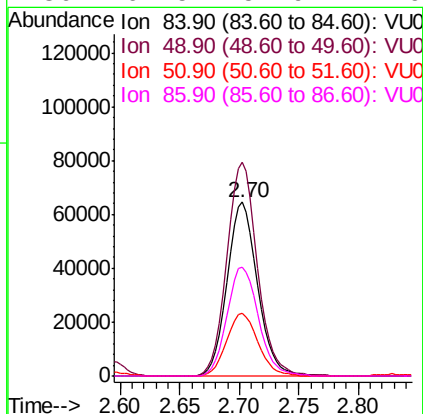
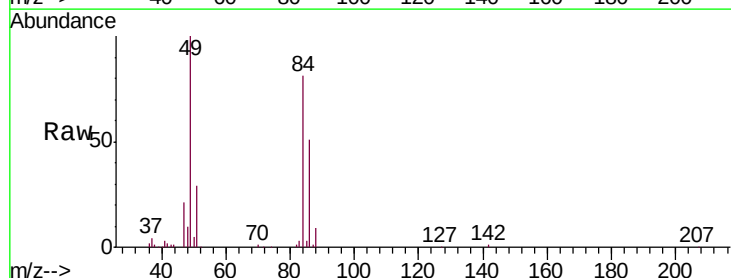
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

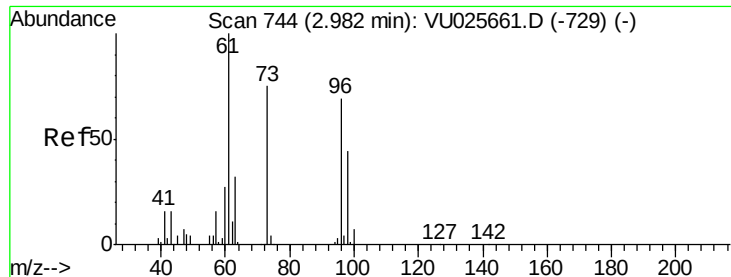
Tot Ion: 73 Resp: 361837
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.2



#20
Methylene Chloride
Concen: 49.68 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion: 84 Resp: 114759
Ion Ratio Lower Upper
84 100
49 122.8 101.8 152.6
51 35.8 30.8 46.2
86 62.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 51.46 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

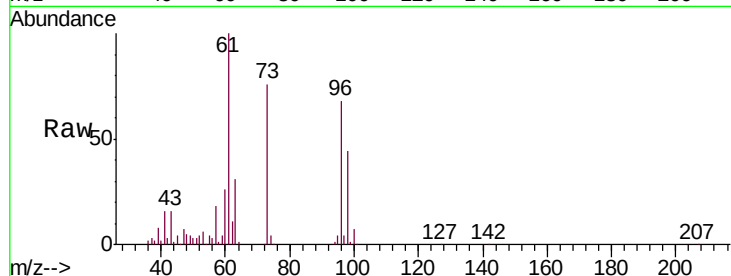
Tot Ion: 96 Resp: 109584

Ion Ratio Lower Upper

96 100

61 146.0 114.5 171.7

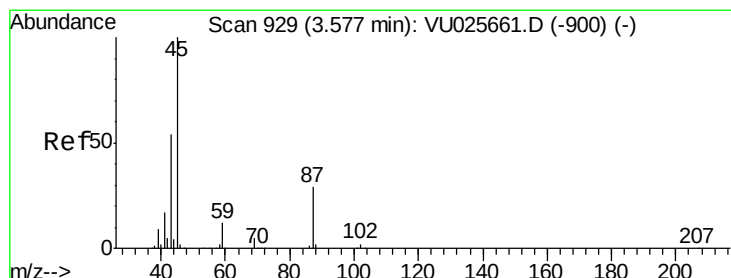
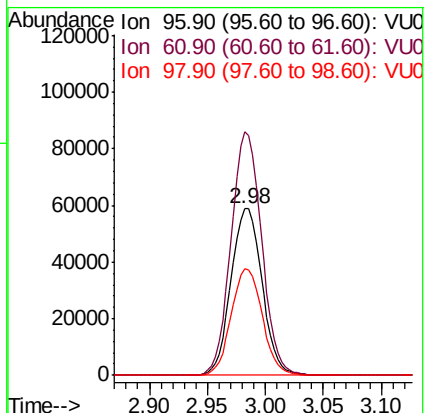
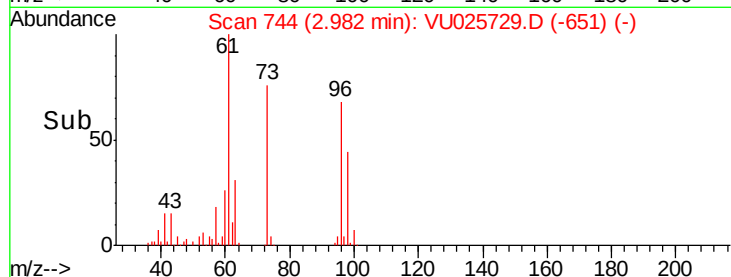
98 63.9 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025729.D (-651) (-)

Ion 60.90 (60.60 to 61.60): VU025729.D (-651) (-)

Ion 97.90 (97.60 to 98.60): VU025729.D (-651) (-)



#22

Diisopropyl ether

Concen: 54.13 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Tgt Ion: 45 Resp: 353159

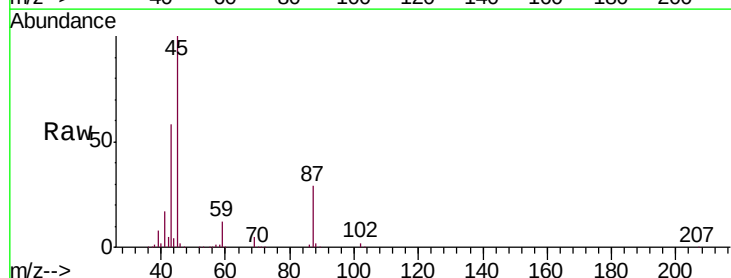
Ion Ratio Lower Upper

45 100

43 57.3 50.9 76.3

87 29.0 23.8 35.8

59 11.7 9.0 13.4

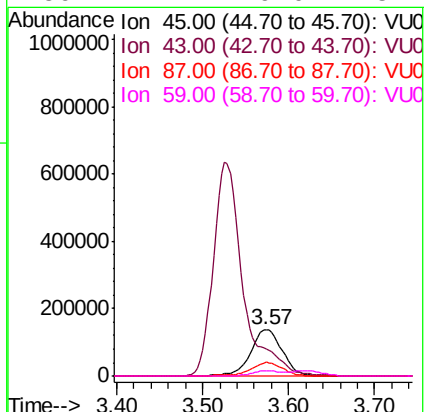
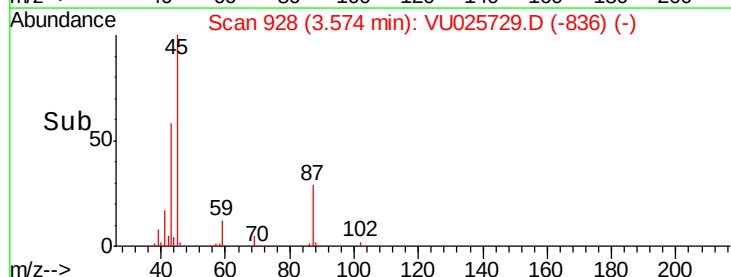


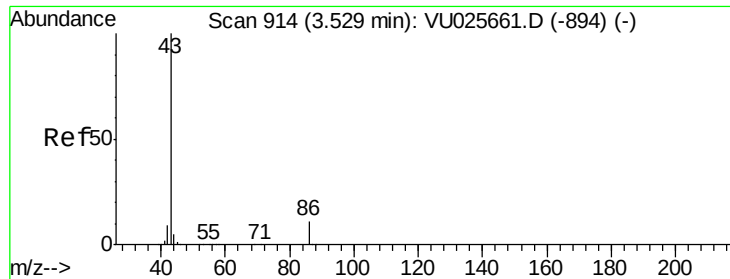
Abundance Ion 45.00 (44.70 to 45.70): VU025729.D (-836) (-)

Ion 43.00 (42.70 to 43.70): VU025729.D (-836) (-)

Ion 87.00 (86.70 to 87.70): VU025729.D (-836) (-)

Ion 59.00 (58.70 to 59.70): VU025729.D (-836) (-)





#23

Vinyl Acetate

Concen: 269.87 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

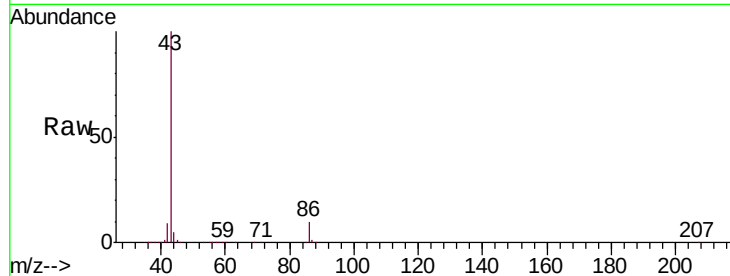
VSTDCCC050EC

Tot Ion: 43 Resp: 1534416

Ion Ratio Lower Upper

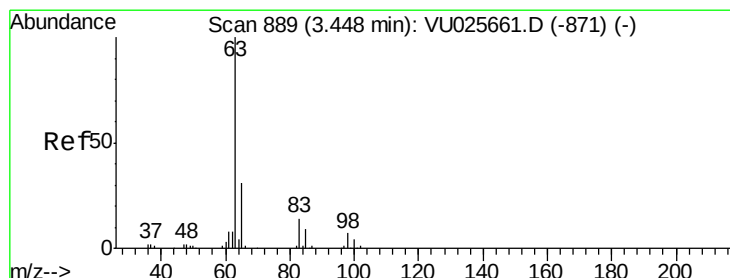
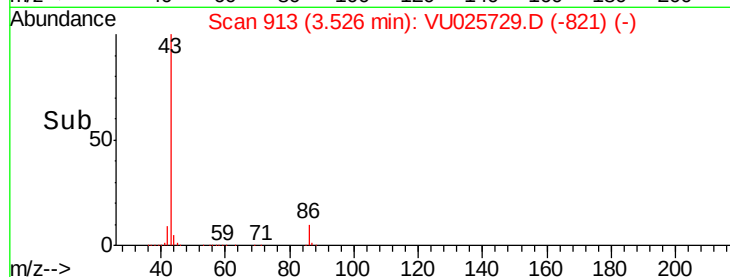
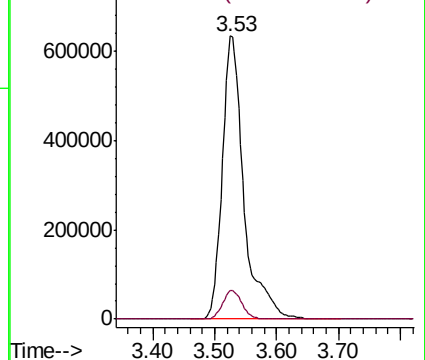
43 100

86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 53.24 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

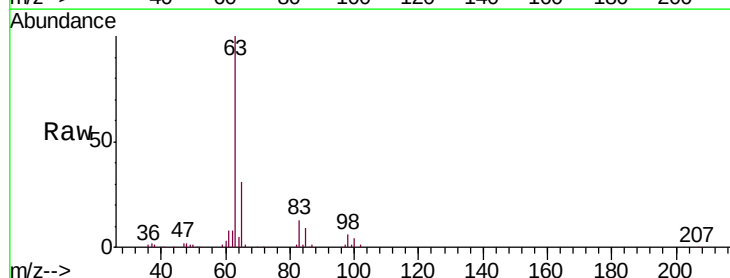
Tgt Ion: 63 Resp: 208518

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

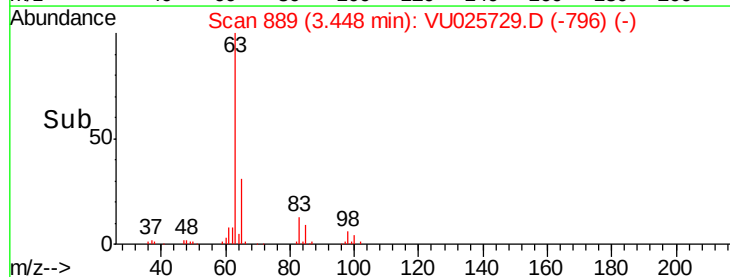
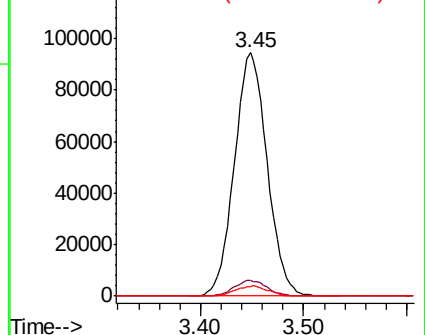
100 4.1 2.0 6.0

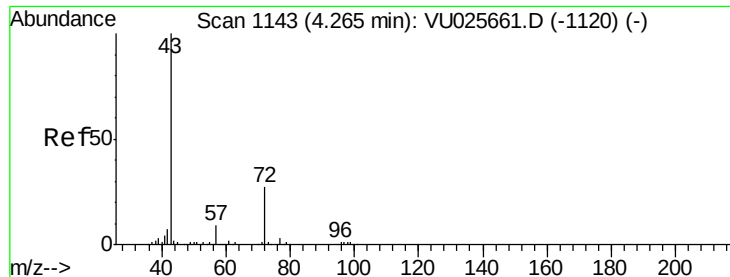


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 256.85 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

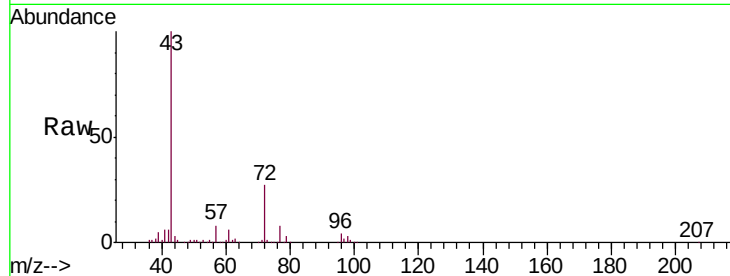
VSTDCCC050EC

Tot Ion: 43 Resp: 455728

Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

200000

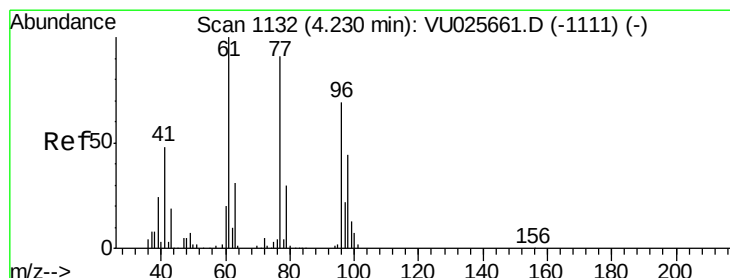
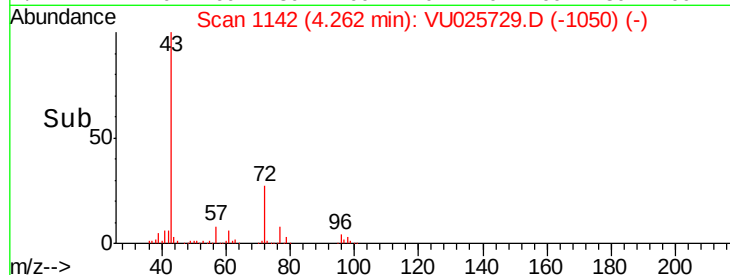
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.03 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025729.D

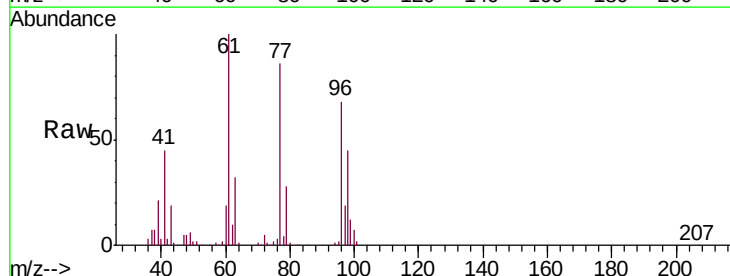
Acq: 30 Jul 2018 17:48

Tgt Ion: 77 Resp: 174524

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

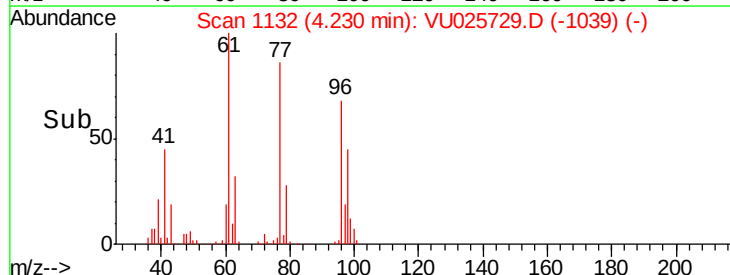
60000

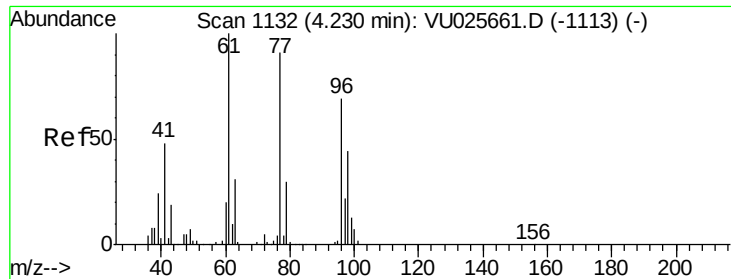
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.24 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

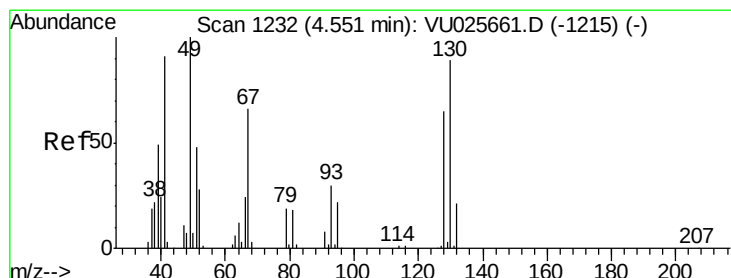
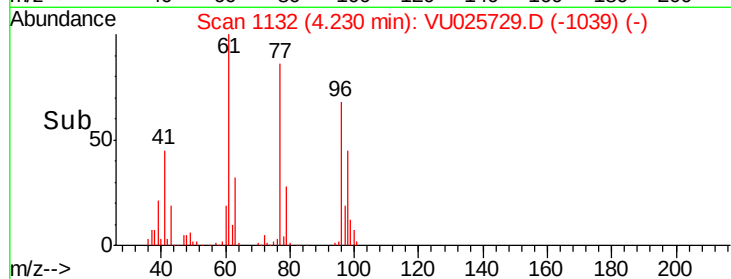
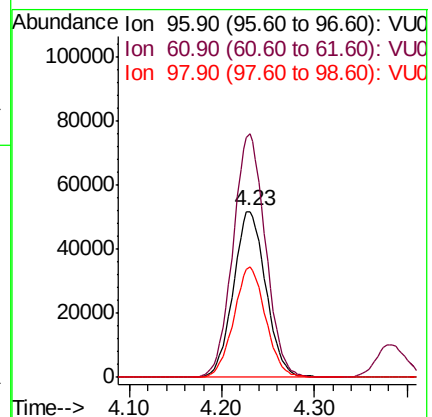
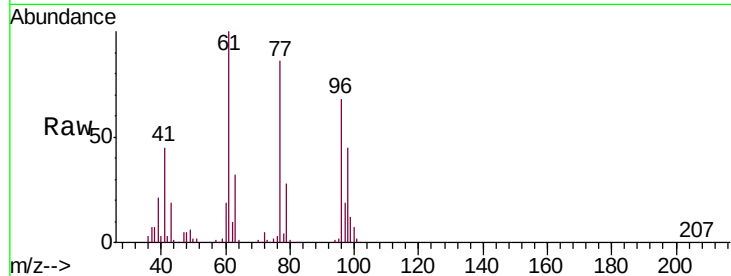
Tot Ion: 96 Resp: 125426

Ion Ratio Lower Upper

96 100

61 146.9 0.0 299.8

98 65.1 0.0 128.6



#28

Bromochloromethane

Concen: 51.96 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

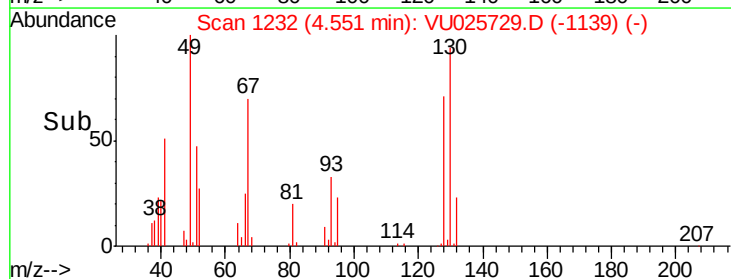
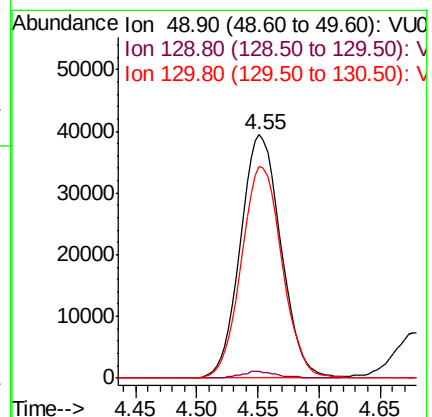
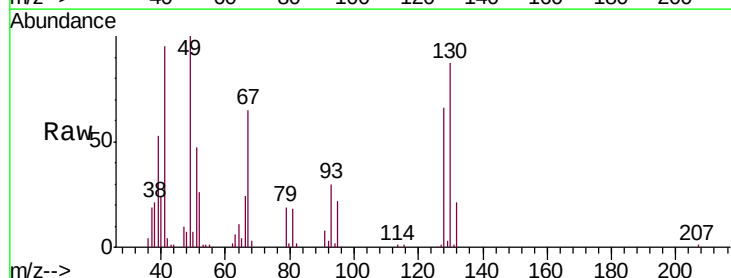
Tgt Ion: 49 Resp: 90978

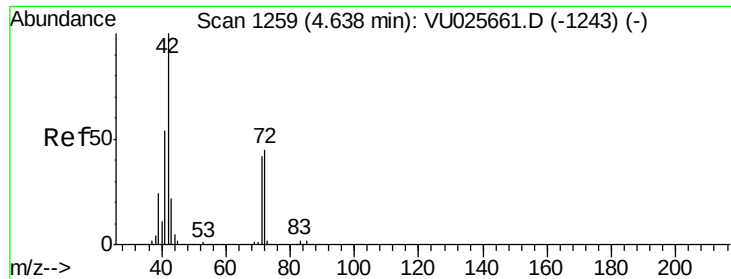
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

130 87.1 68.6 102.8

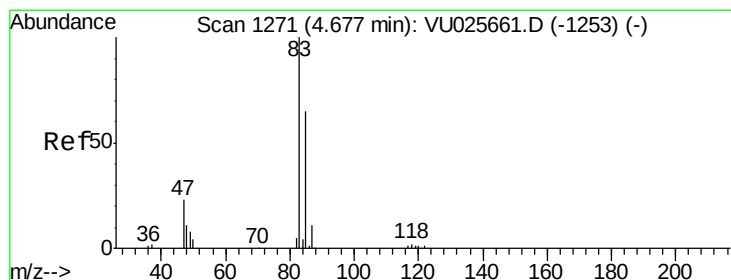
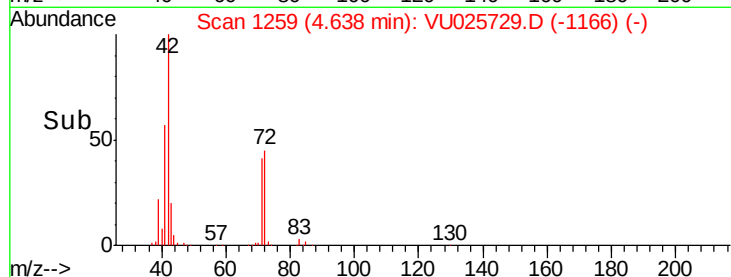
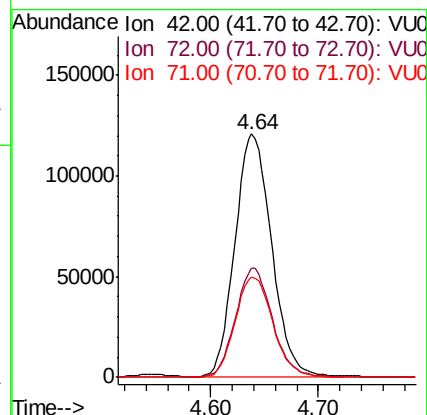
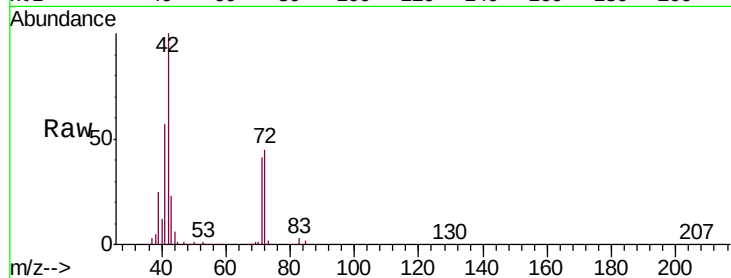




#29
Tetrahydrofuran
Concen: 268.21 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

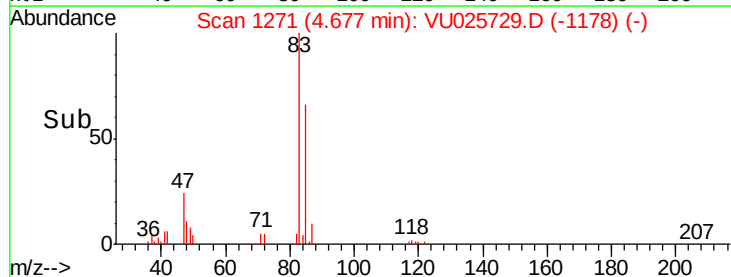
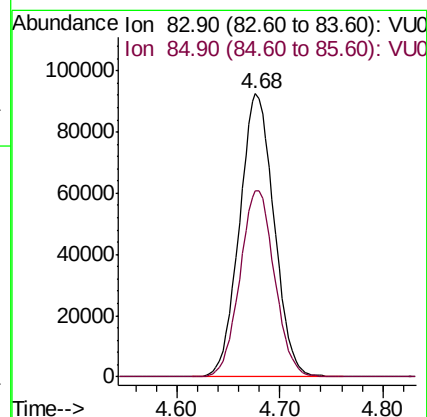
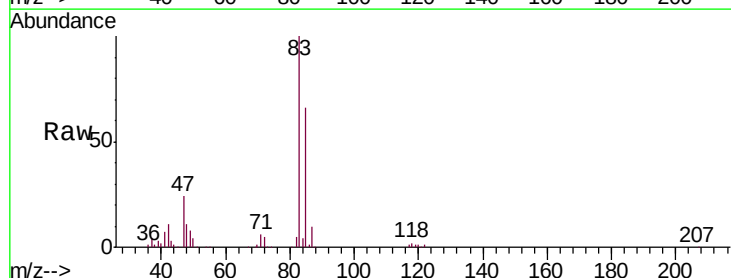
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

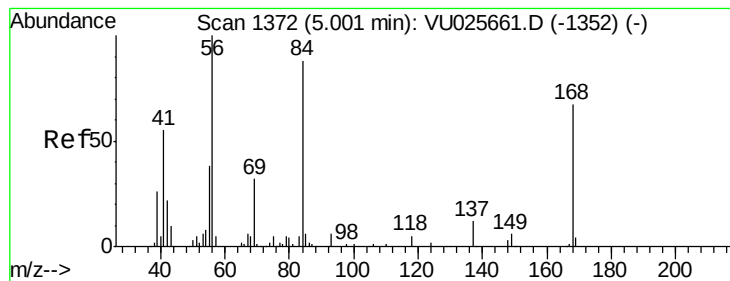
Tot Ion: 42 Resp: 285112
Ion Ratio Lower Upper
42 100
72 45.2 36.7 55.1
71 42.7 33.9 50.9



#30
Chloroform
Concen: 52.13 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion: 83 Resp: 215477
Ion Ratio Lower Upper
83 100
85 65.8 51.5 77.3





#31

Cyclohexane

Concen: 51.43 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

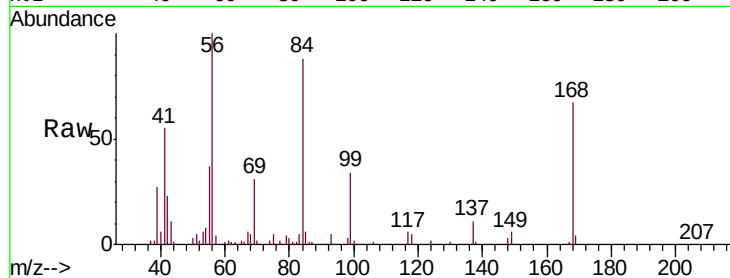
Tot Ion: 56 Resp: 175065

Ion Ratio Lower Upper

56 100

69 31.5 26.8 40.2

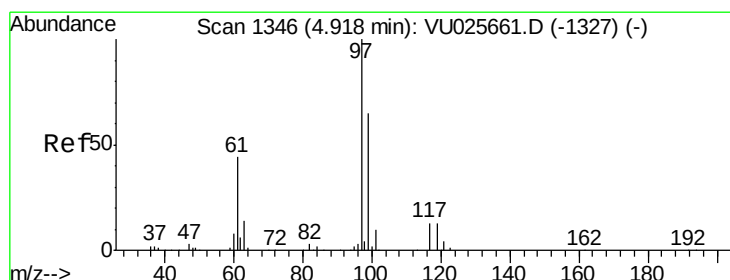
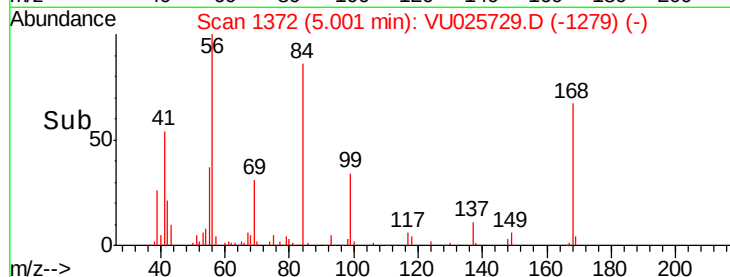
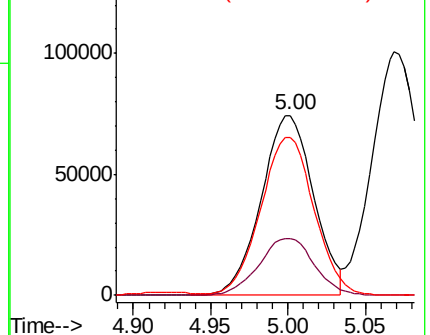
84 86.8 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 52.73 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

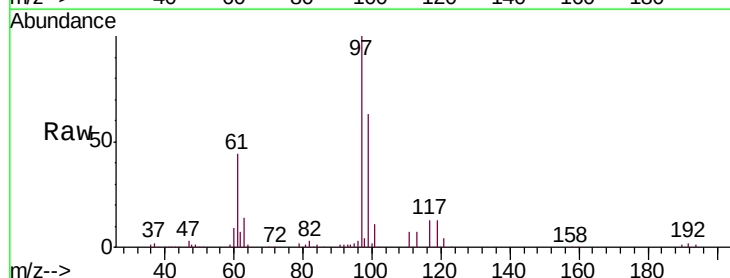
Tgt Ion: 97 Resp: 196249

Ion Ratio Lower Upper

97 100

99 64.6 50.8 76.2

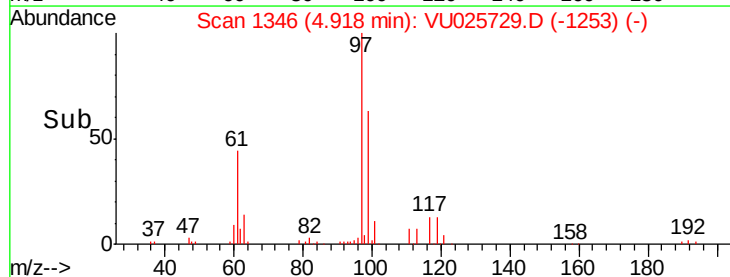
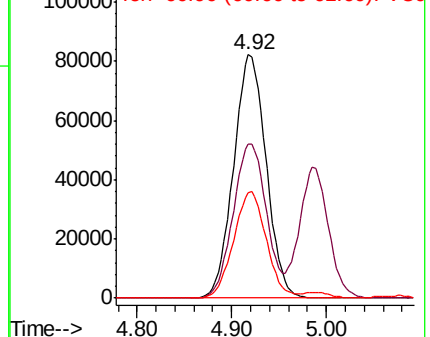
61 44.1 35.2 52.8

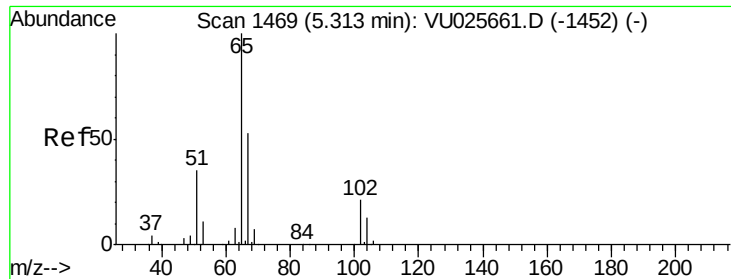


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 51.39 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

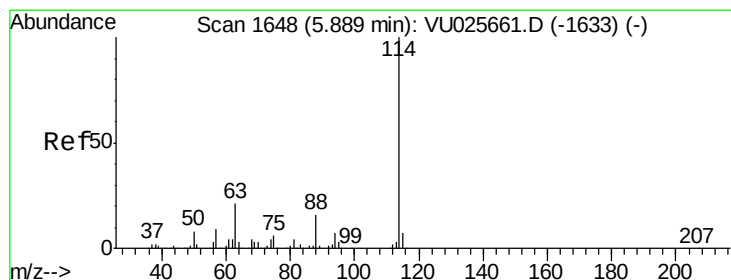
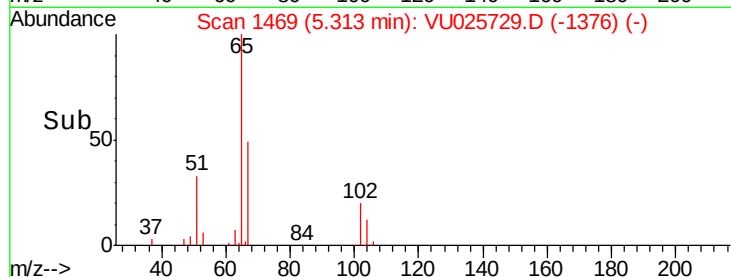
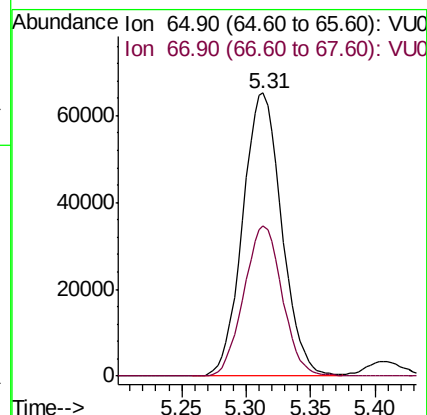
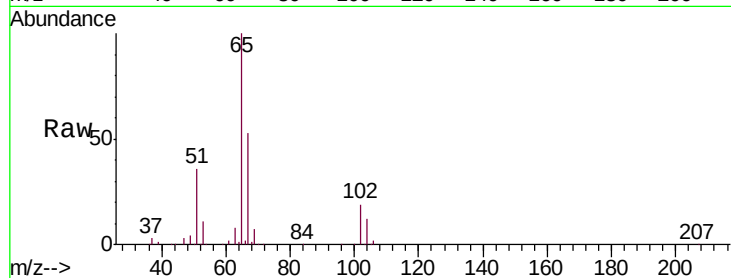
VSTDCCC050EC

Tot Ion: 65 Resp: 137388

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

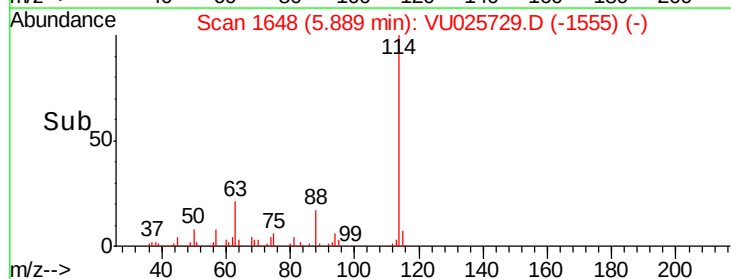
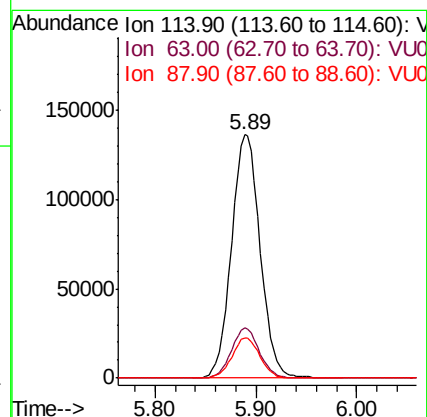
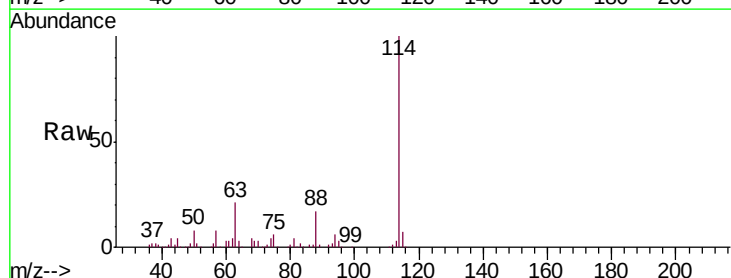
Tgt Ion: 114 Resp: 269474

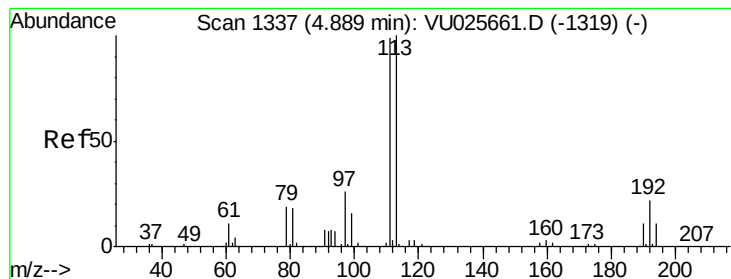
Ion Ratio Lower Upper

114 100

63 20.5

88 16.7 0.0 41.6





#35

Dibromofluoromethane

Concen: 48.49 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

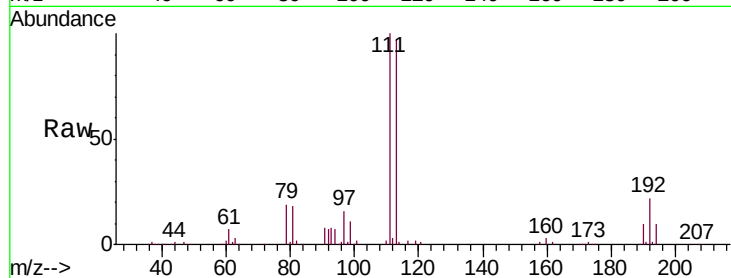
Tot Ion:113 Resp: 113652

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

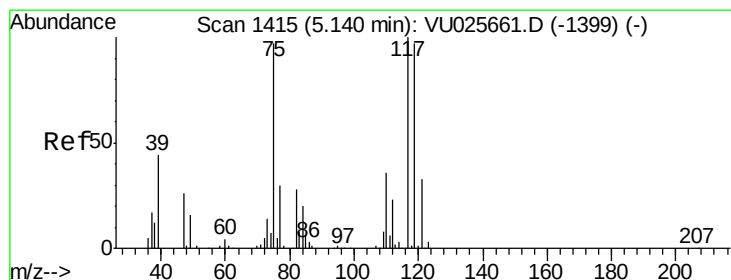
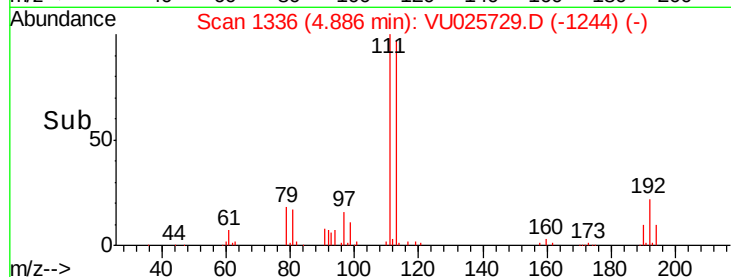
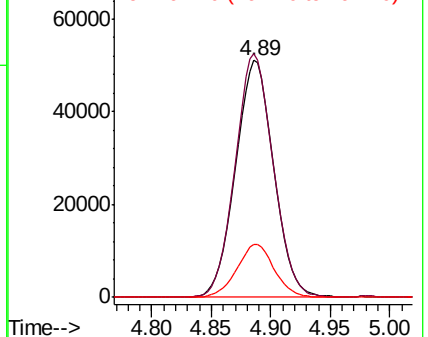
192 21.9 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.20 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

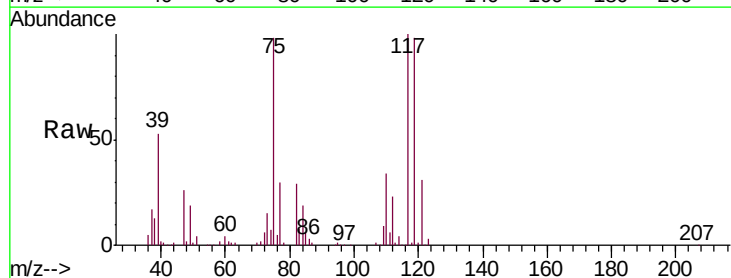
Tgt Ion: 75 Resp: 161246

Ion Ratio Lower Upper

75 100

110 35.7 17.6 52.9

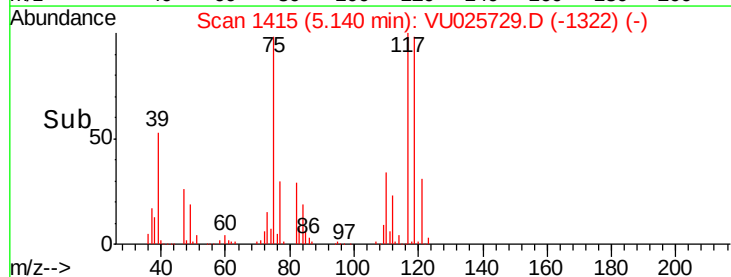
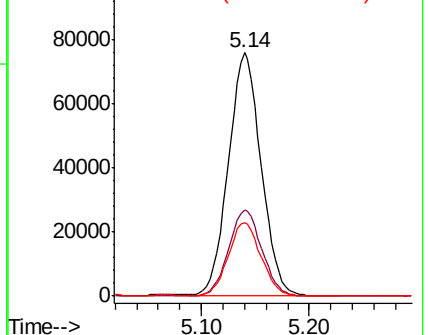
77 29.7 24.4 36.6

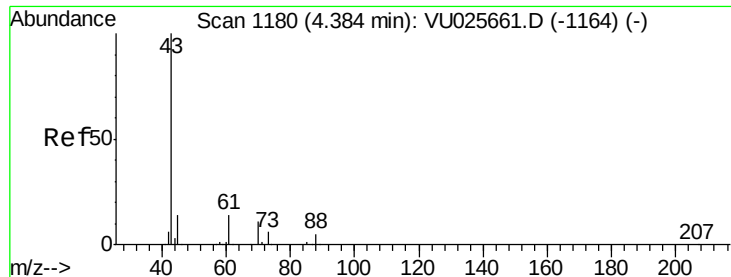


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

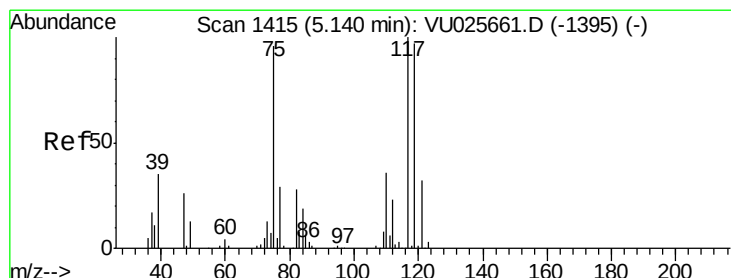
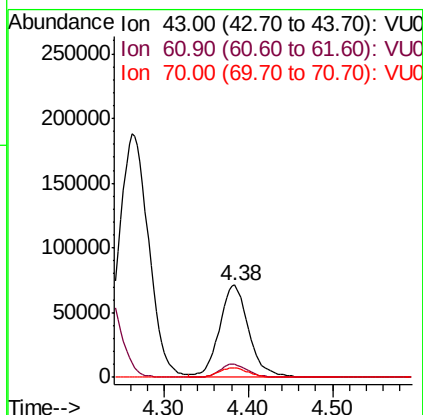
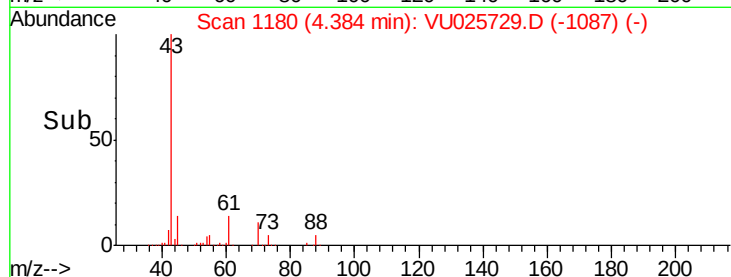
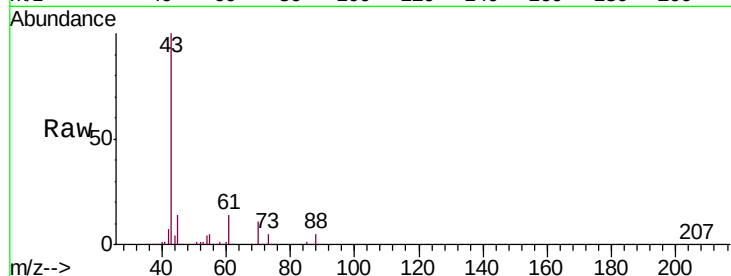




#37
Ethyl Acetate
Concen: 52.15 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

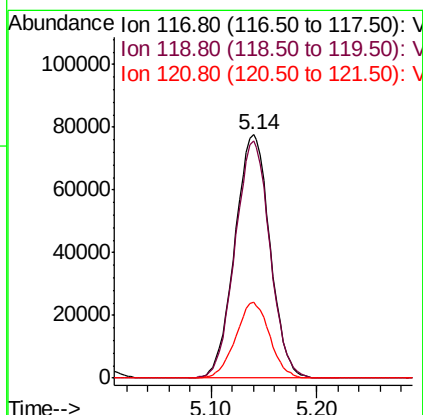
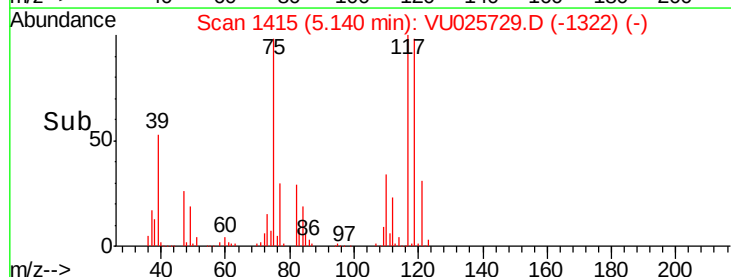
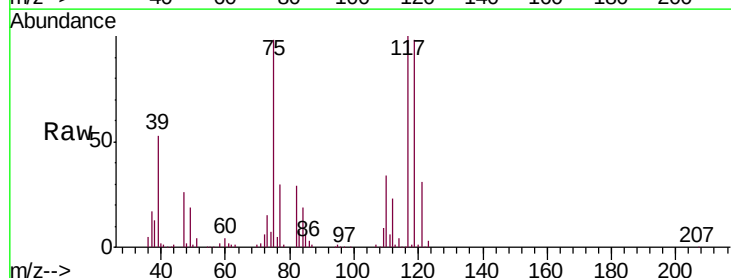
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

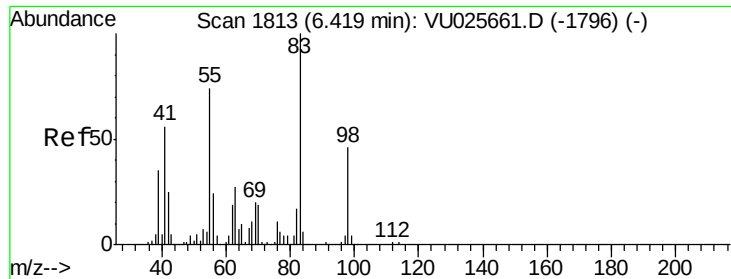
Tot Ion: 43 Resp: 170302
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.27 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion: 117 Resp: 179322
Ion Ratio Lower Upper
117 100
119 97.6 75.7 113.5
121 31.0 24.6 36.8

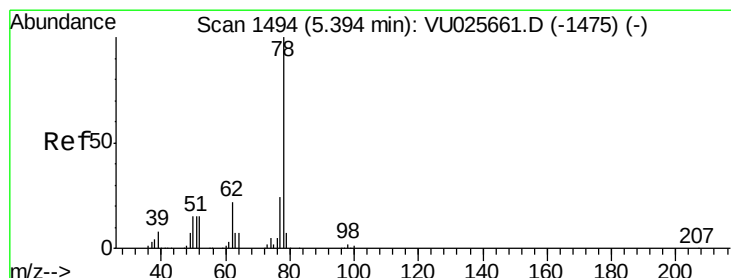
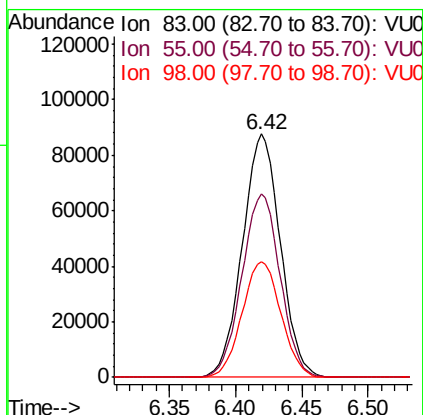
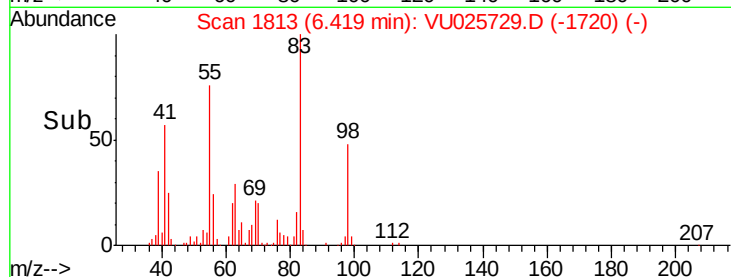
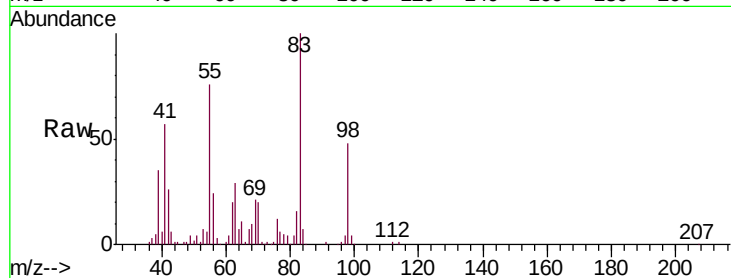




#39
Methylvlcyclohexane
Concen: 48.17 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

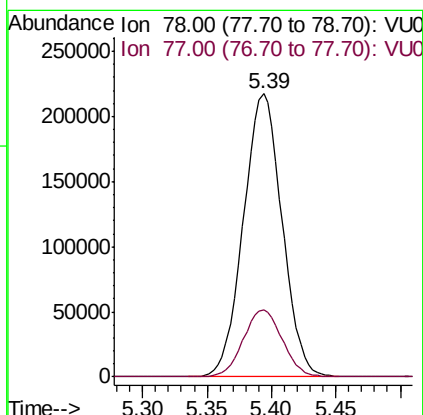
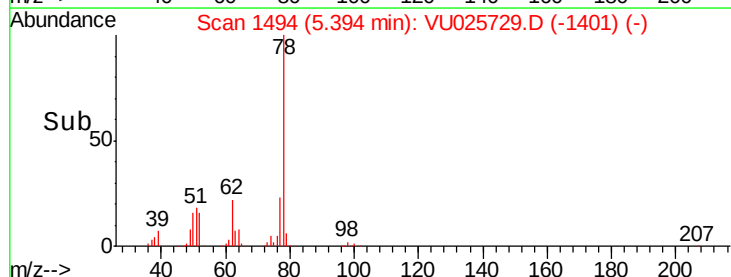
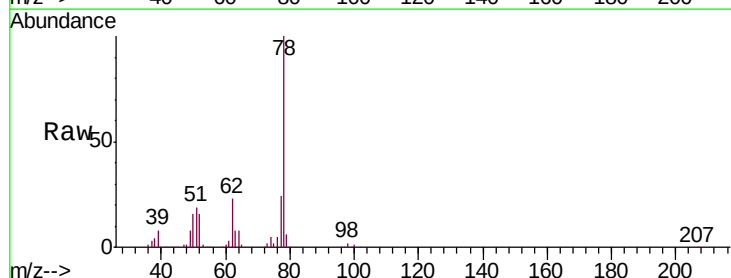
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

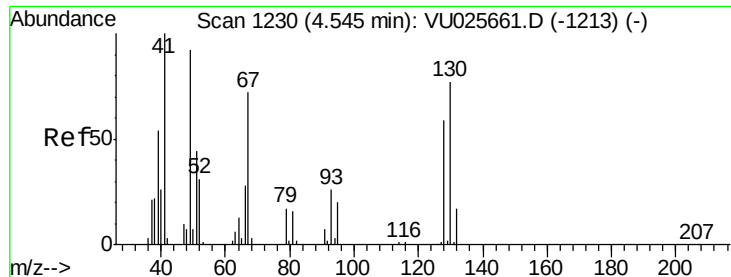
Tot Ion: 83 Resp: 173813
Ion Ratio Lower Upper
83 100
55 75.6 60.0 90.0
98 47.6 36.1 54.1



#40
Benzene
Concen: 49.36 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion: 78 Resp: 454408
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.6

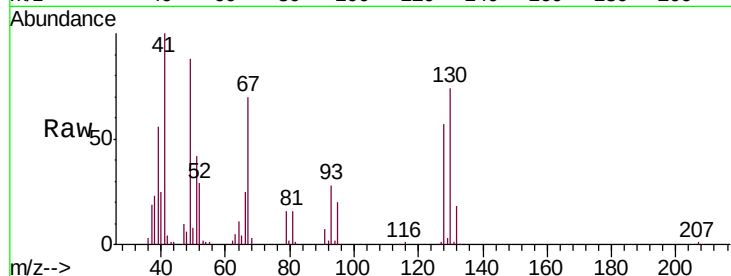




#41
Methacrylonitrile
Concen: 52.24 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	94745
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.4	66.6
67	70.4	56.0	84.0
52	29.7	24.6	36.8



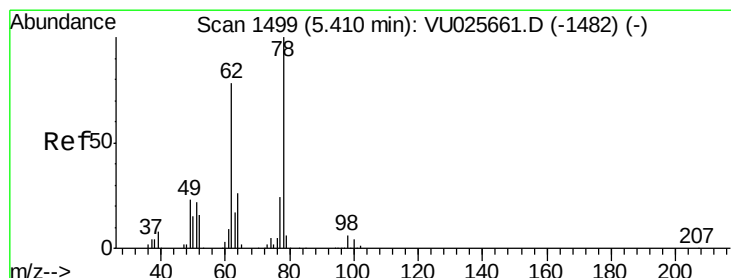
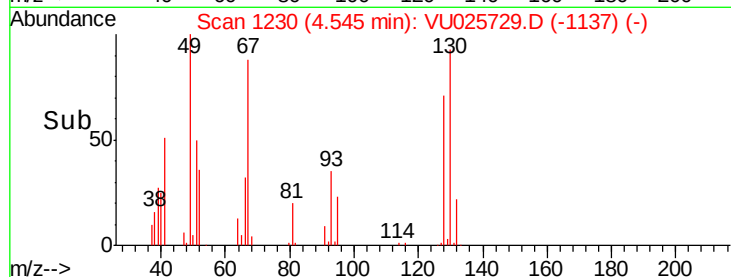
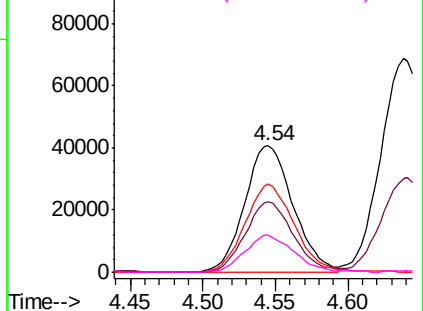
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

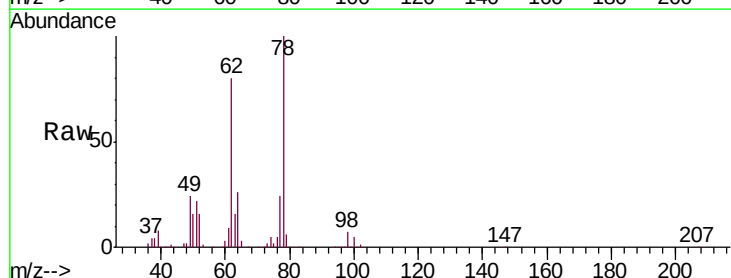
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 49.98 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

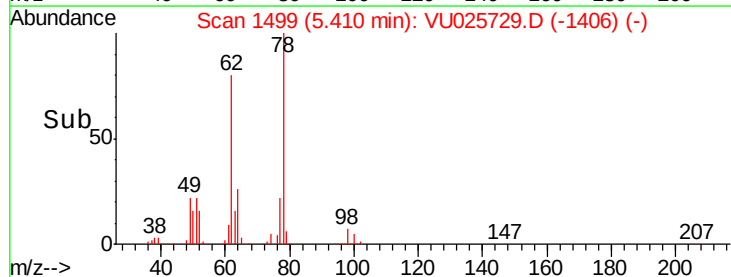
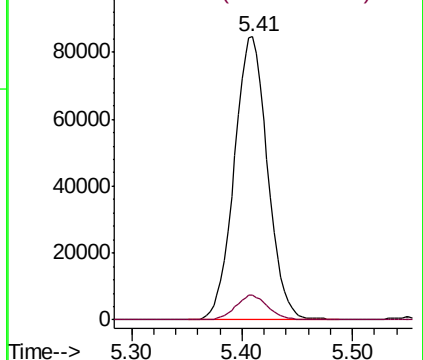
Tgt Ion:	62	Resp:	177150
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4

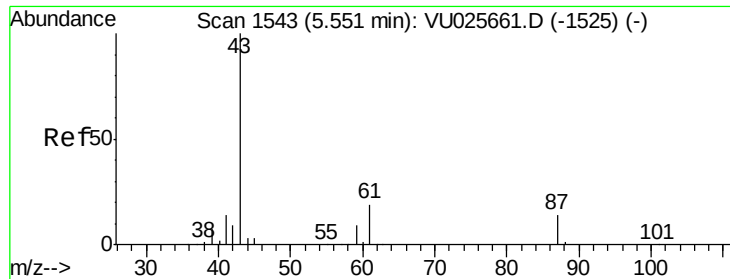


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.28 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

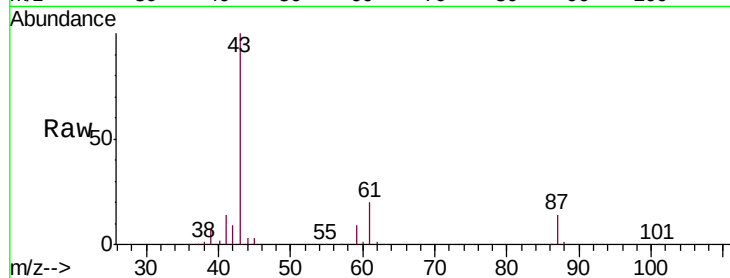
Tot Ion: 43 Resp: 276692

Ion Ratio Lower Upper

43 100

61 20.1 15.5 23.3

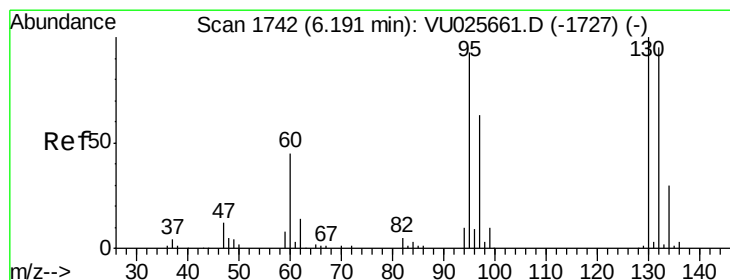
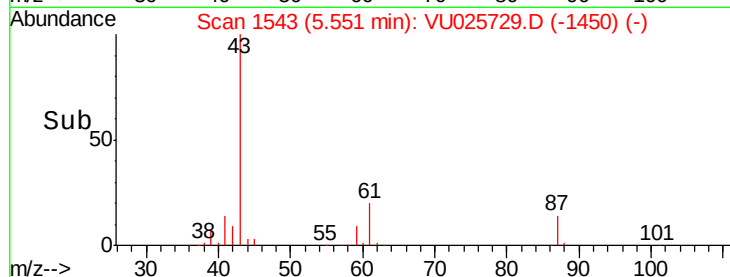
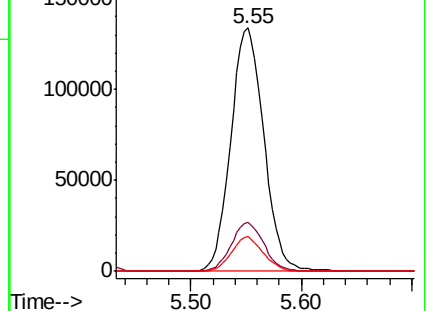
87 13.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 50.00 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025729.D

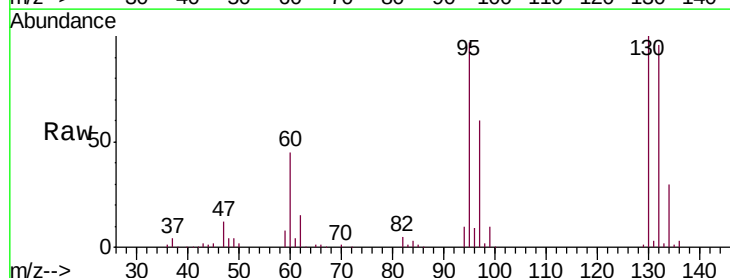
Acq: 30 Jul 2018 17:48

Tgt Ion:130 Resp: 128190

Ion Ratio Lower Upper

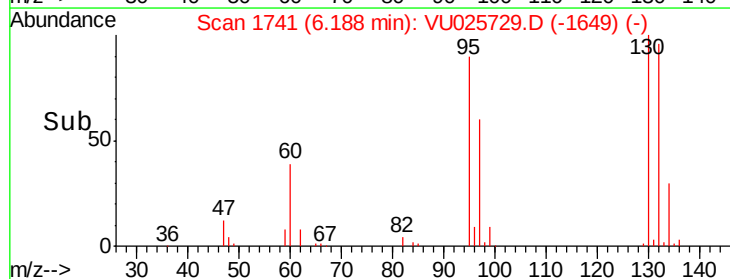
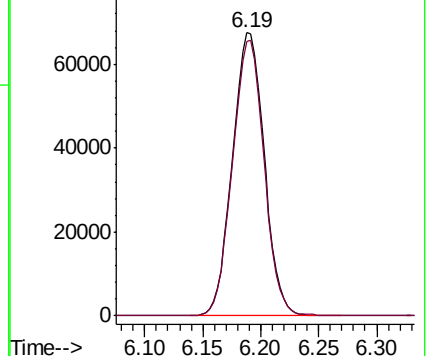
130 100

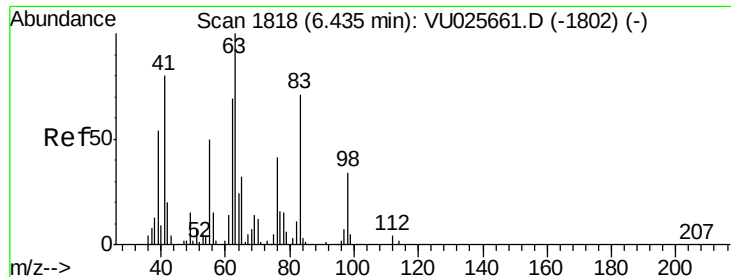
95 97.0 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

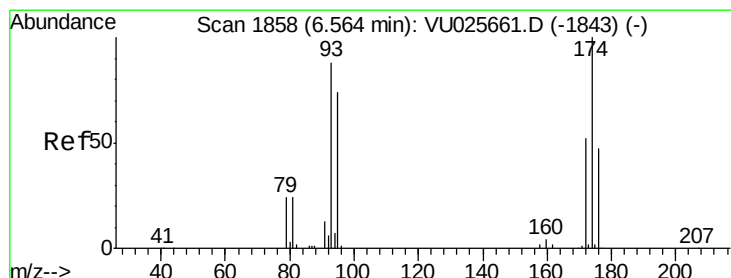
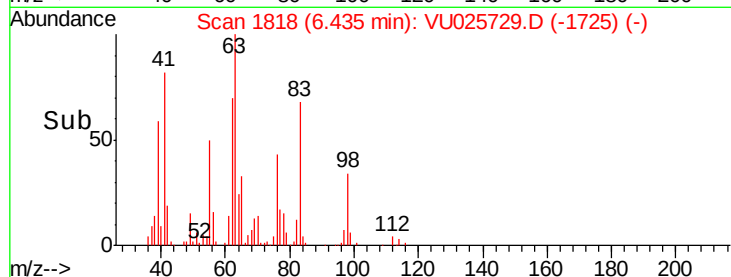
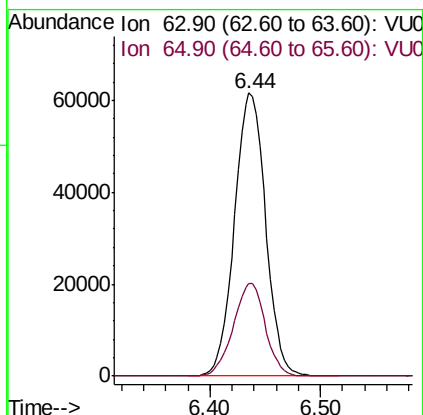
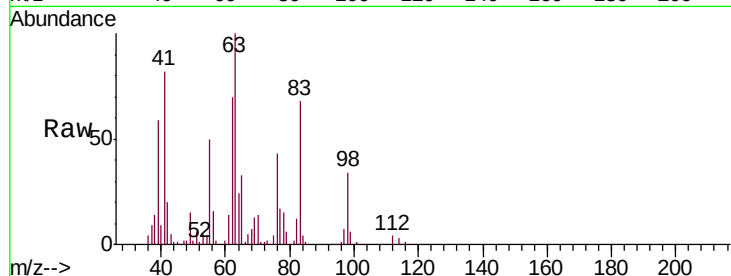




#45
 1,2-Dichloropropane
 Concen: 50.19 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

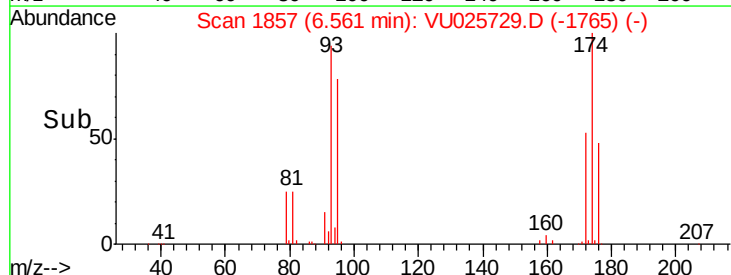
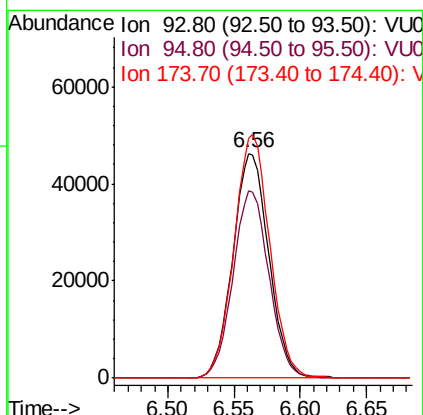
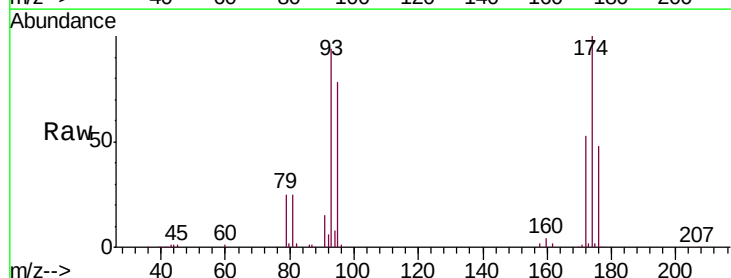
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

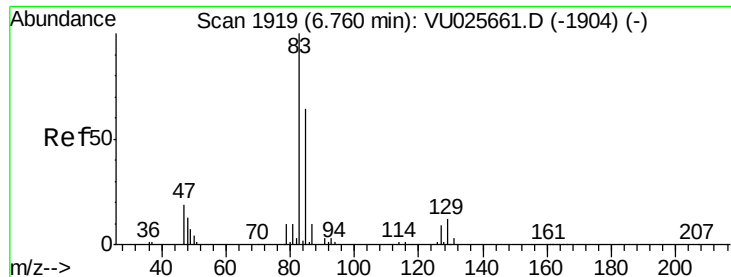
Tot Ion: 63 Resp: 120501
 Ion Ratio Lower Upper
 63 100
 65 32.6 26.1 39.1



#46
 Dibromomethane
 Concen: 50.23 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion: 93 Resp: 87374
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 107.6 85.8 128.8





#47

Bromodichloromethane

Concen: 51.09 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

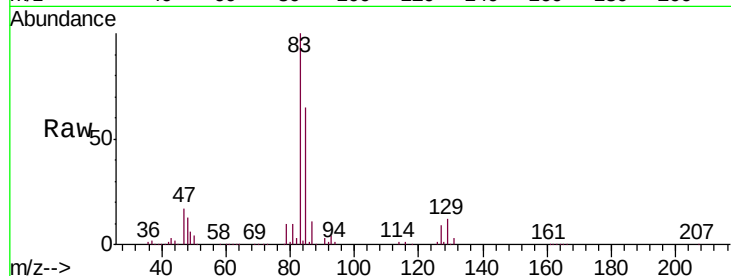
Tot Ion: 83 Resp: 169527

Ion Ratio Lower Upper

83 100

85 65.4 50.2 75.4

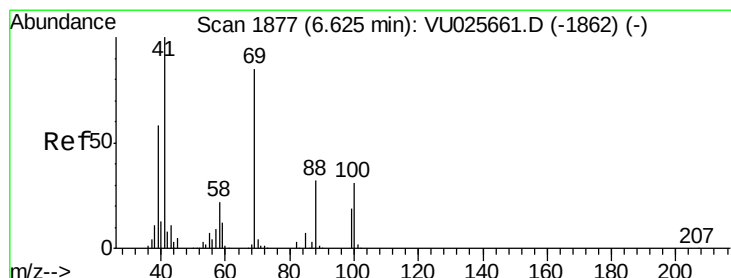
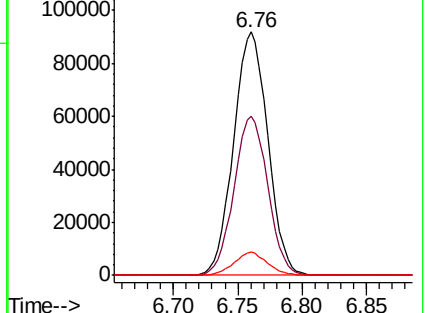
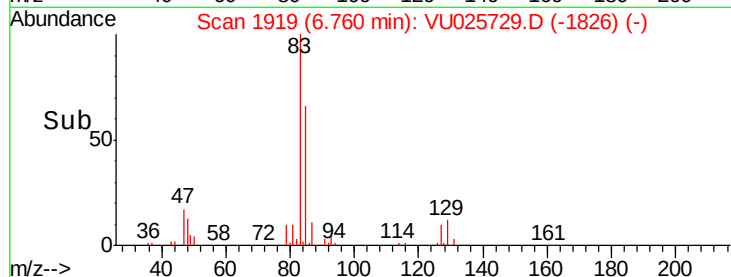
127 9.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025729.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025729.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025729.D (-1826) (-)



#48

Methyl methacrylate

Concen: 53.85 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

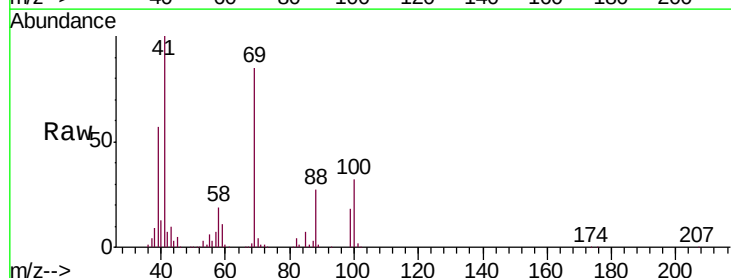
Tgt Ion: 41 Resp: 142415

Ion Ratio Lower Upper

41 100

69 84.0 65.0 97.4

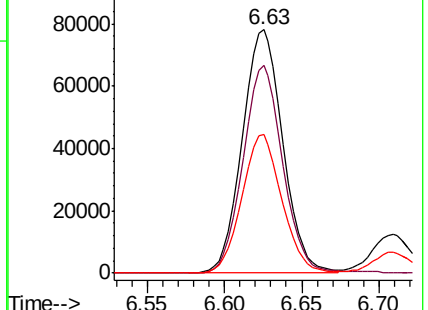
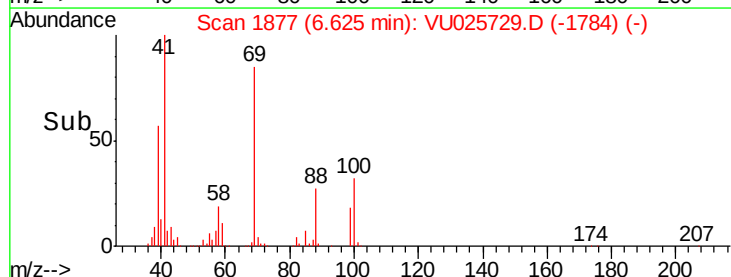
39 56.3 46.4 69.6

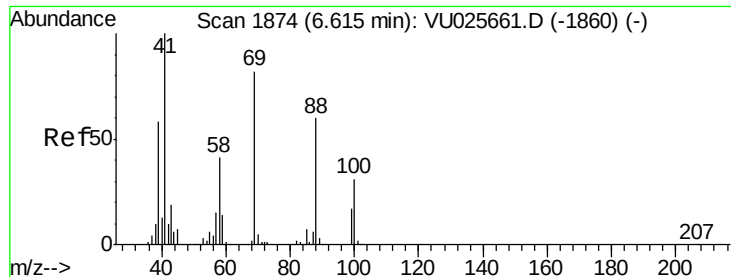


Abundance Ion 41.00 (40.70 to 41.70): VU025729.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025729.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025729.D (-1784) (-)

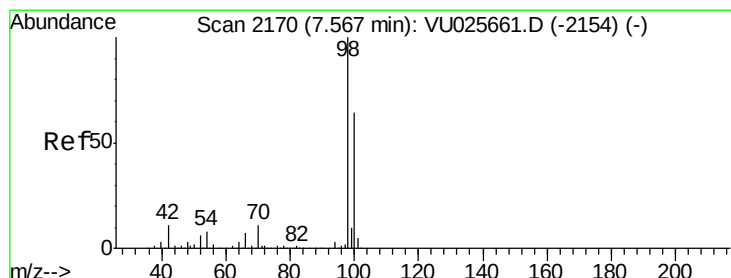
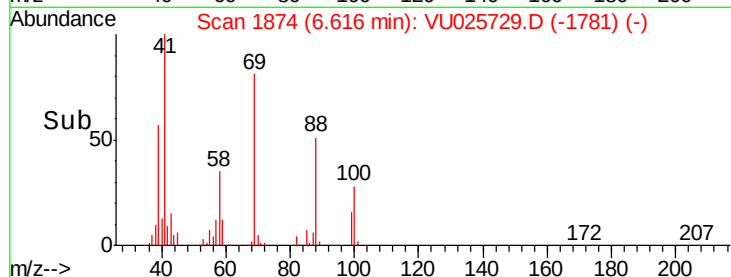
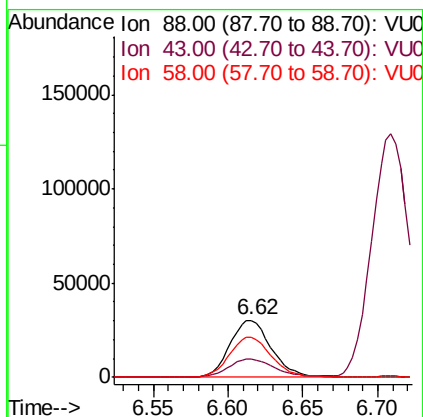
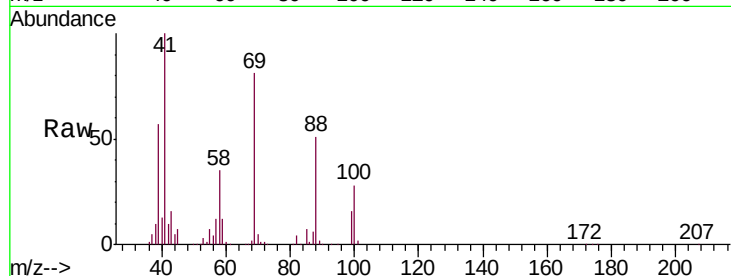




#49
1,4-Dioxane
Concen: 894.25 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

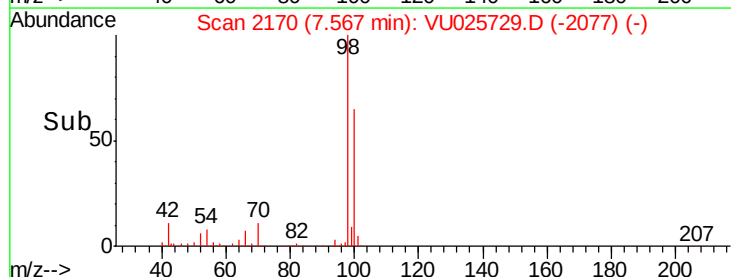
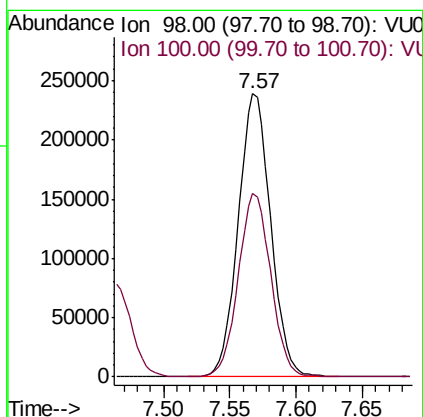
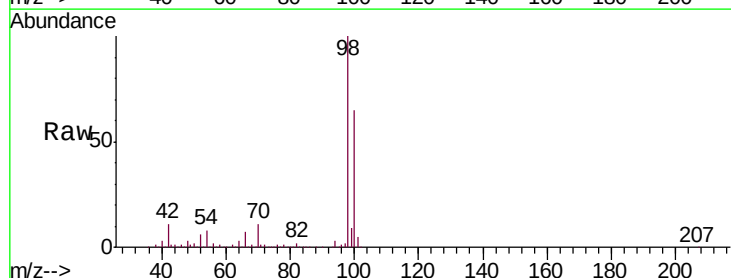
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

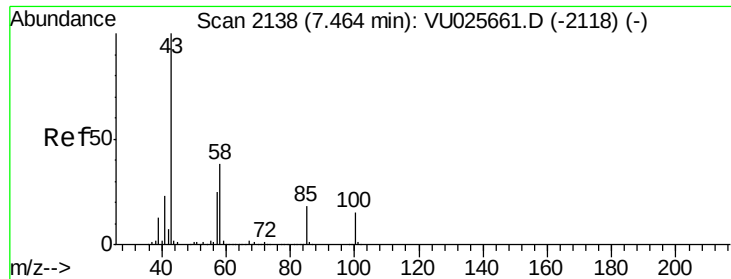
Tot Ion: 88 Resp: 57552
Ion Ratio Lower Upper
88 100
43 33.0 27.3 40.9
58 73.7 57.6 86.4



#50
Toluene-d8
Concen: 49.54 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion: 98 Resp: 406304
Ion Ratio Lower Upper
98 100
100 64.8 51.1 76.7

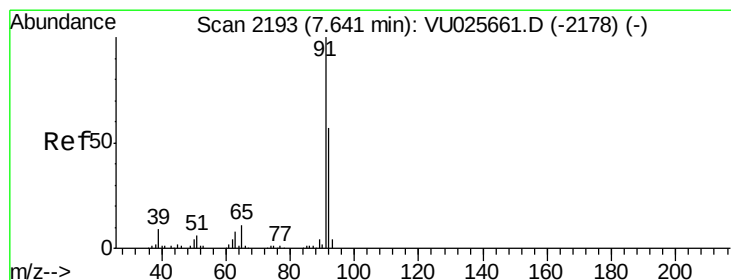
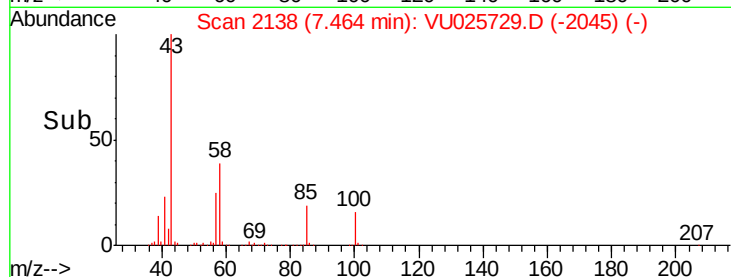
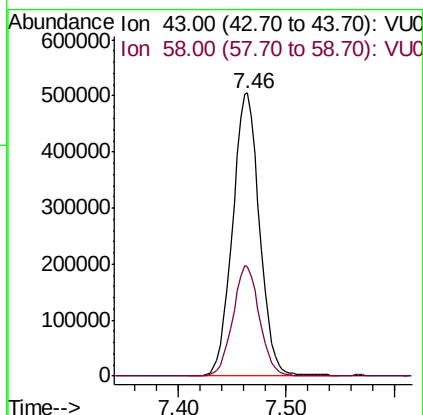
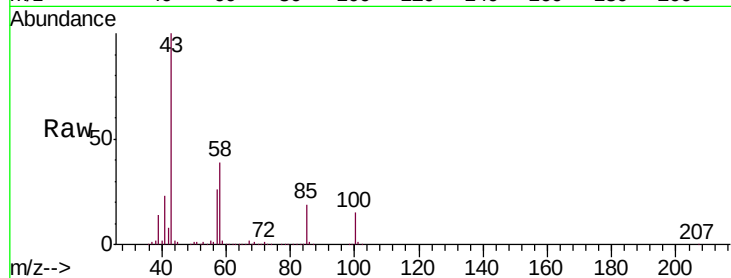




#51
 4-Methyl-2-Pentanone
 Concen: 260.95 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

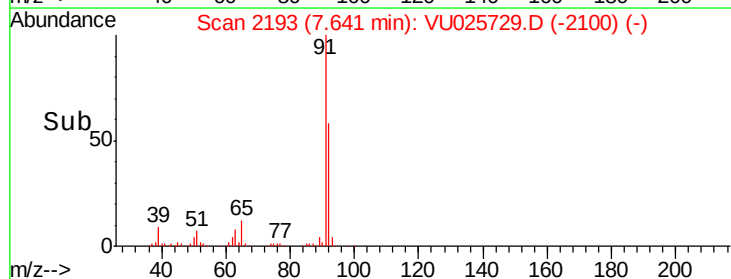
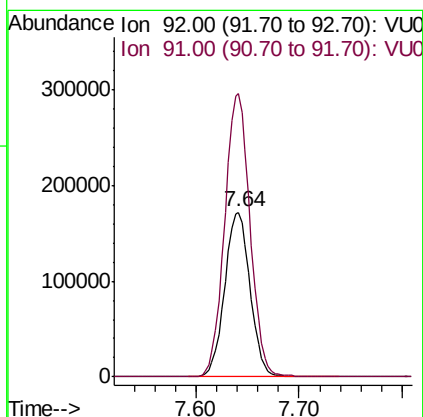
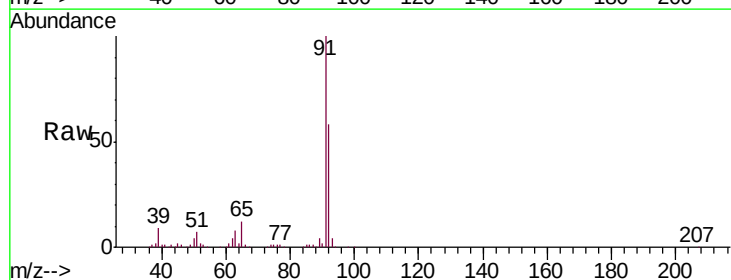
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

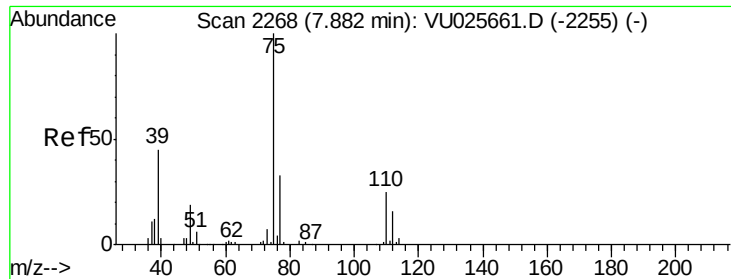
Tot Ion: 43 Resp: 881563
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4



#52
 Toluene
 Concen: 51.54 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion: 92 Resp: 294727
 Ion Ratio Lower Upper
 92 100
 91 172.8 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 52.40 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

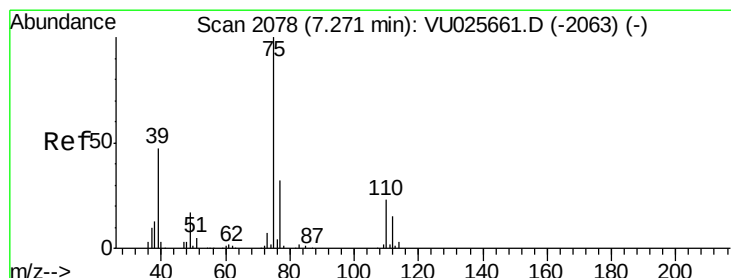
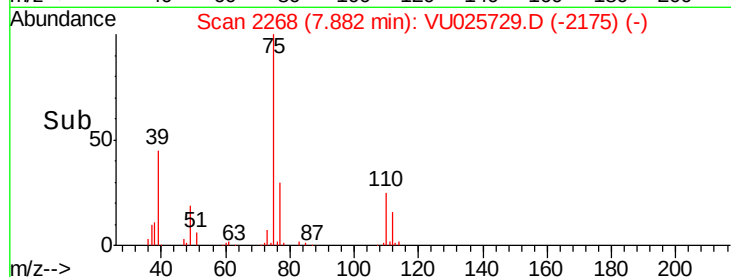
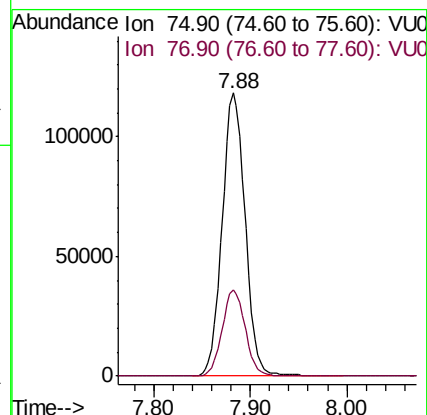
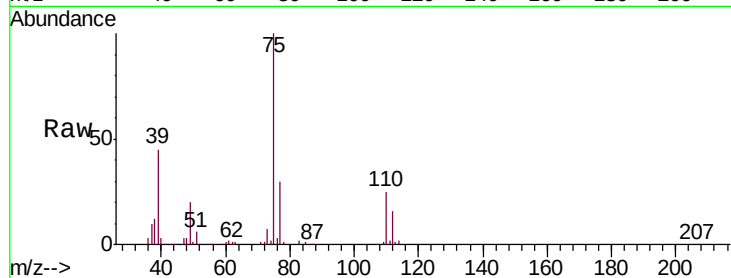
VSTDCCC050EC

Tot Ion: 75 Resp: 195228

Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 52.04 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

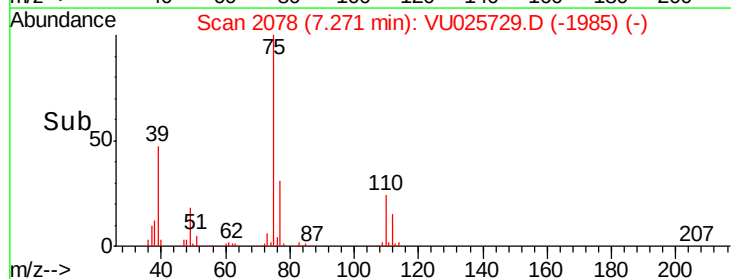
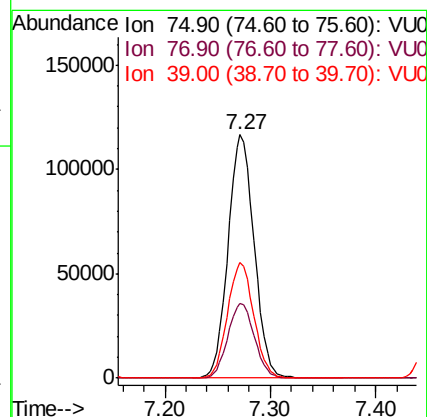
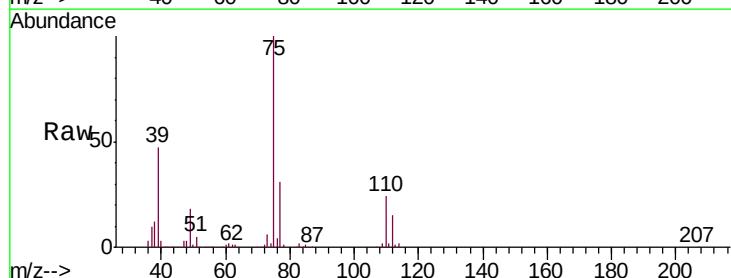
Tgt Ion: 75 Resp: 199156

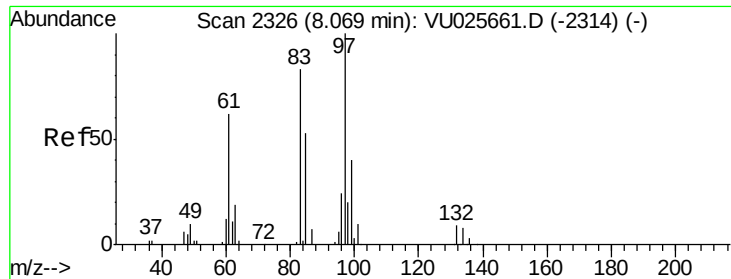
Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4

39 47.5 40.0 60.0

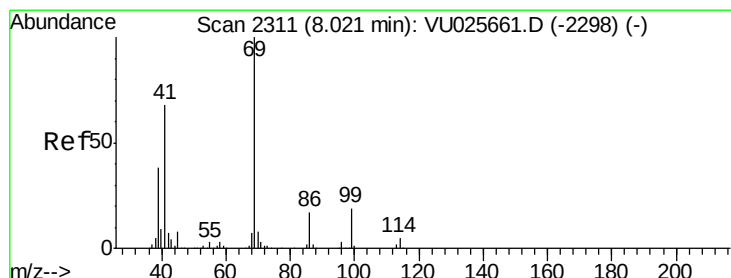
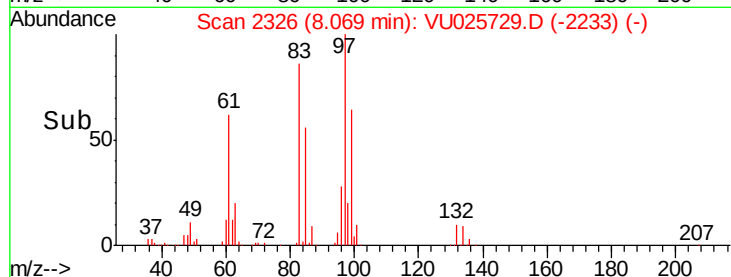
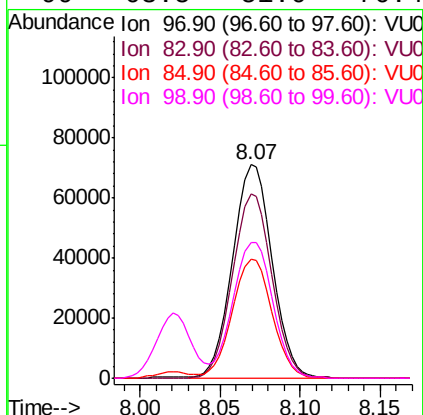
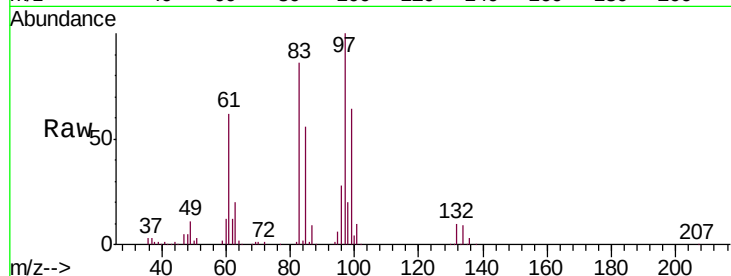




#55
 1,1,2-Trichloroethane
 Concen: 50.22 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

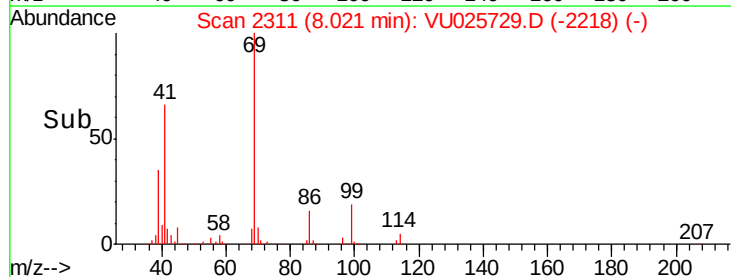
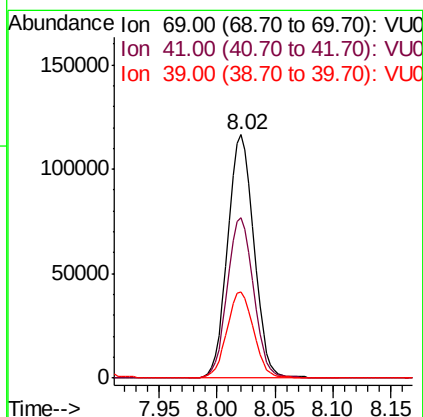
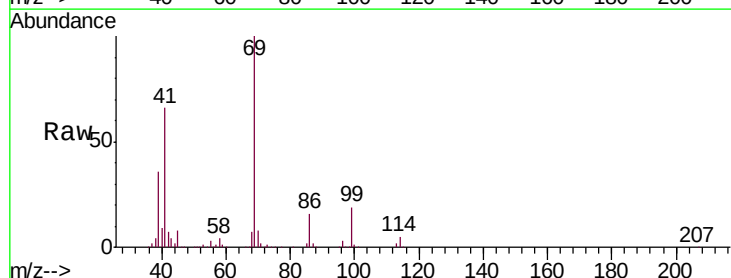
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

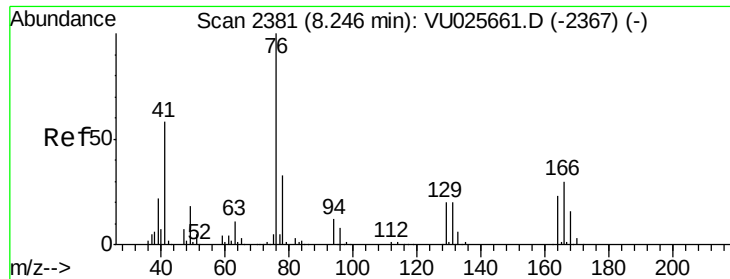
Tot Ion:	97	Resp:	119366
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.9	103.3
85	56.1	44.4	66.6
99	63.5	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 53.71 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion:	69	Resp:	182370
Ion	Ratio	Lower	Upper
69	100		
41	66.1	54.8	82.2
39	35.8	31.1	46.7

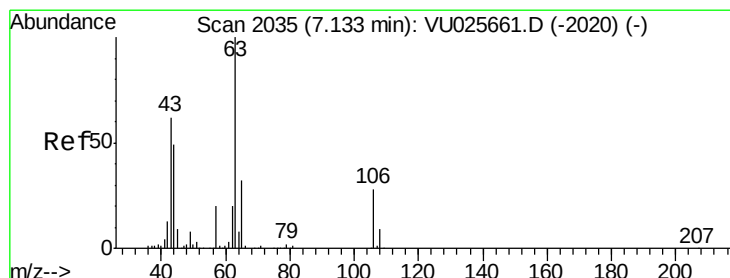
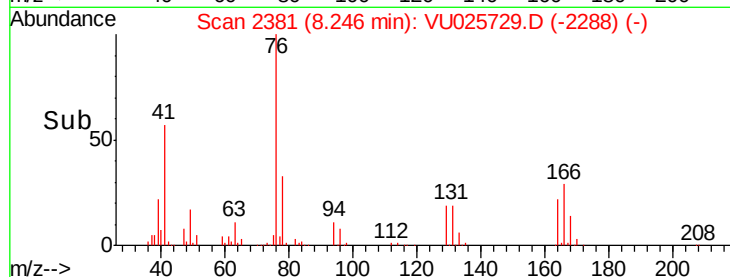
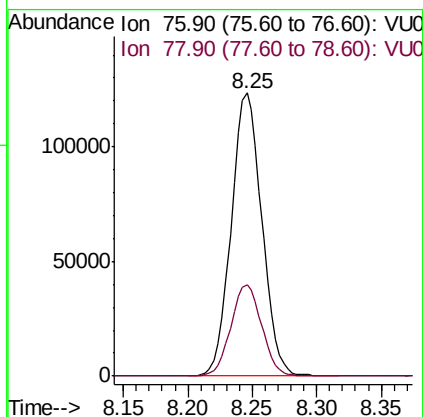
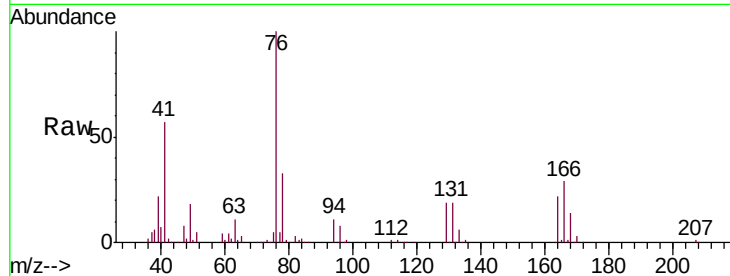




#57
 1,3-Dichloropropane
 Concen: 50.94 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

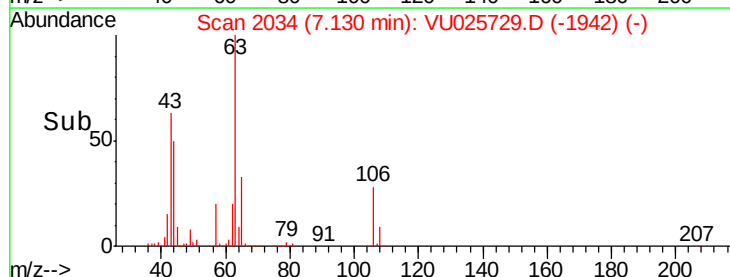
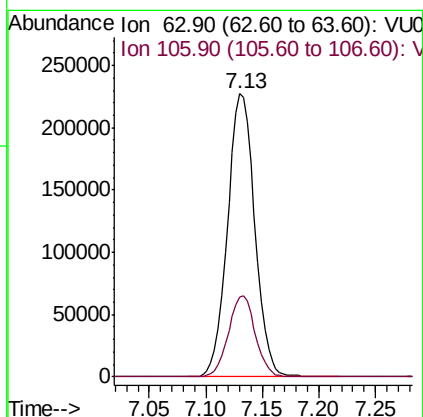
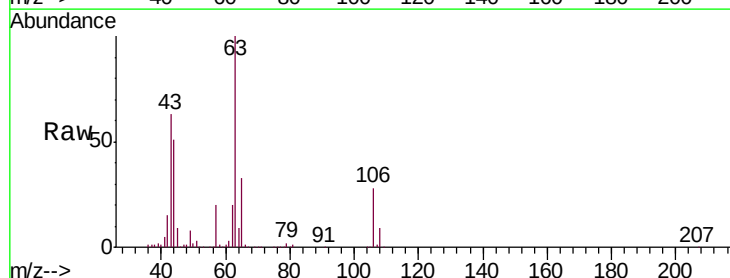
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

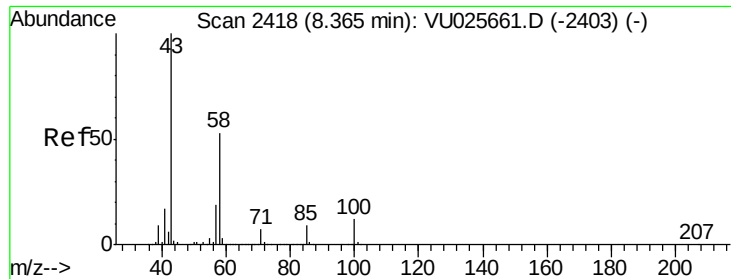
Tot Ion: 76 Resp: 203588
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.35 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion: 63 Resp: 381820
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.3 33.5

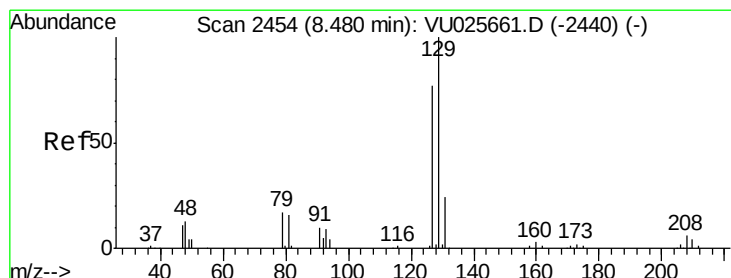
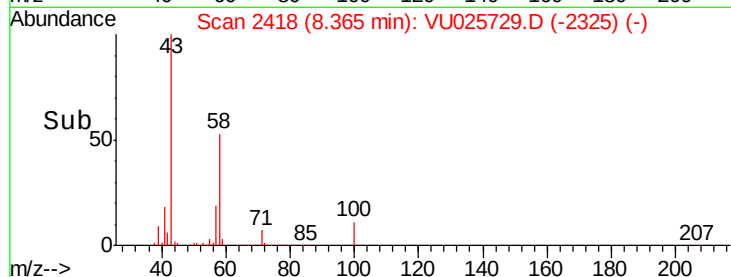
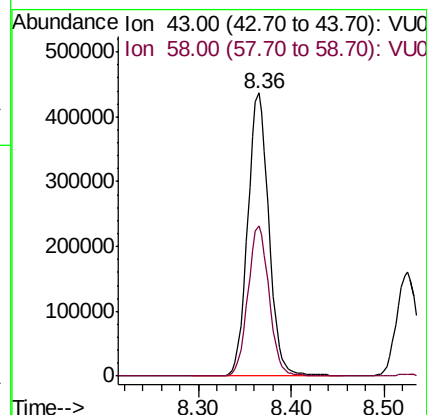
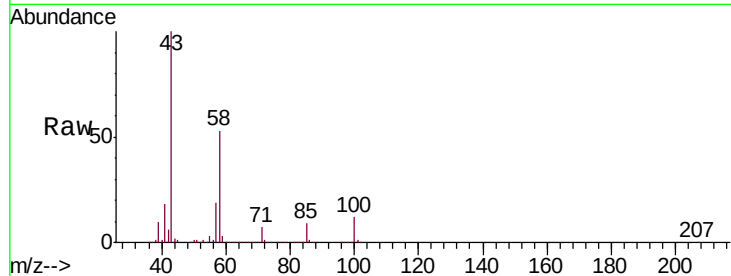




#59
2-Hexanone
Concen: 259.94 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

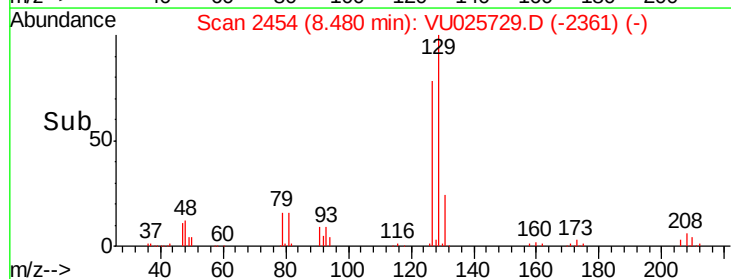
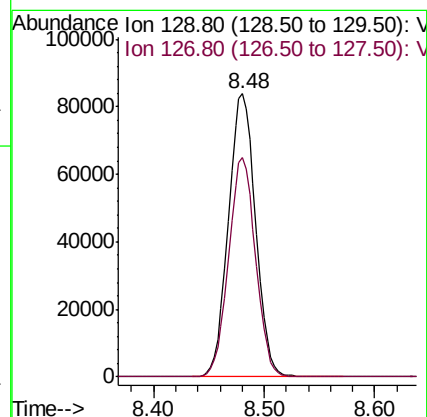
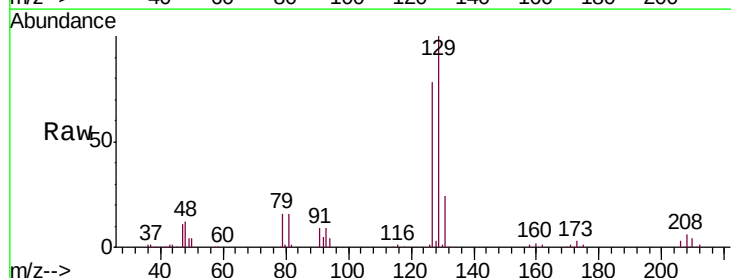
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

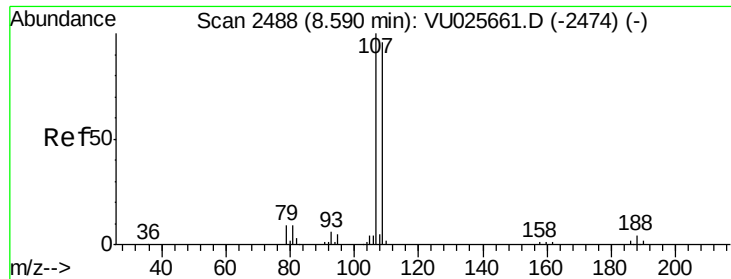
Tot Ion: 43 Resp: 688372
Ion Ratio Lower Upper
43 100
58 53.5 26.2 78.5



#60
Dibromochloromethane
Concen: 51.11 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion: 129 Resp: 143245
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.89 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

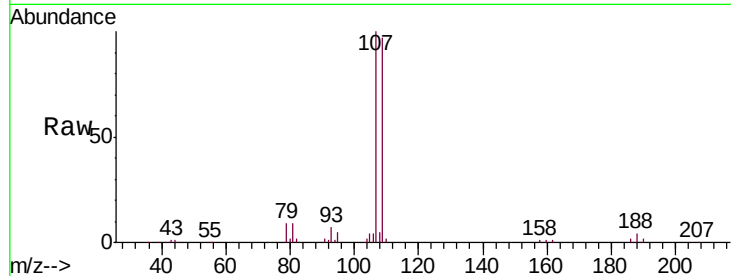
VSTDCCC050EC

Tot Ion:107 Resp: 134497

Ion Ratio Lower Upper

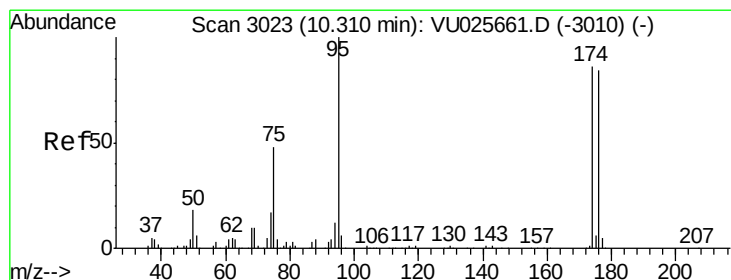
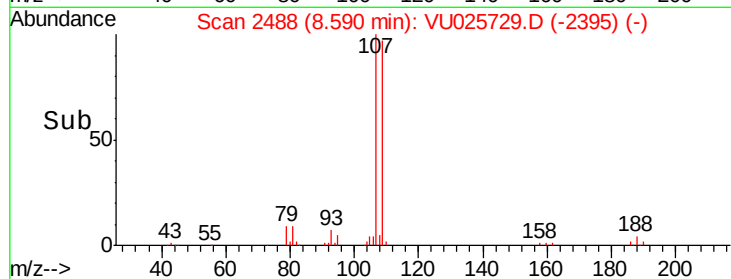
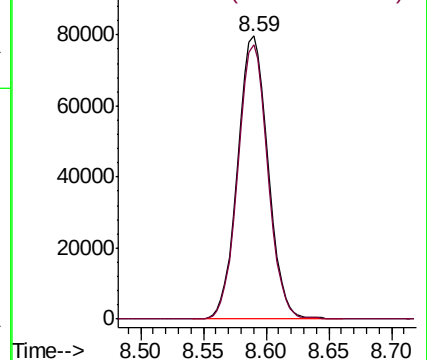
107 100

109 95.3 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.78 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

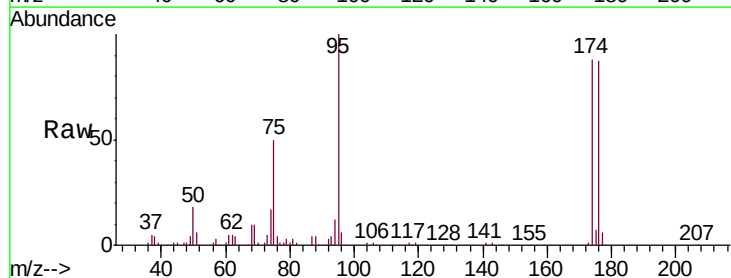
Tgt Ion: 95 Resp: 158461

Ion Ratio Lower Upper

95 100

174 88.7 0.0 172.2

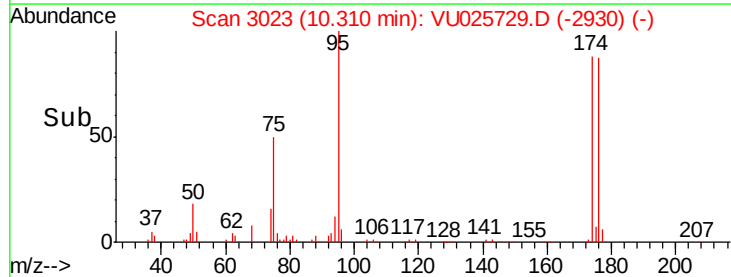
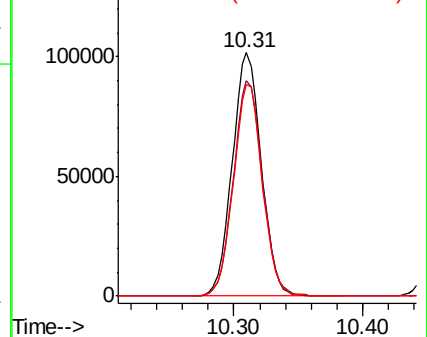
176 86.6 0.0 162.6

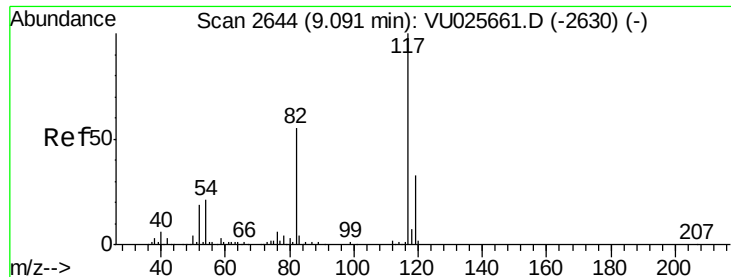


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

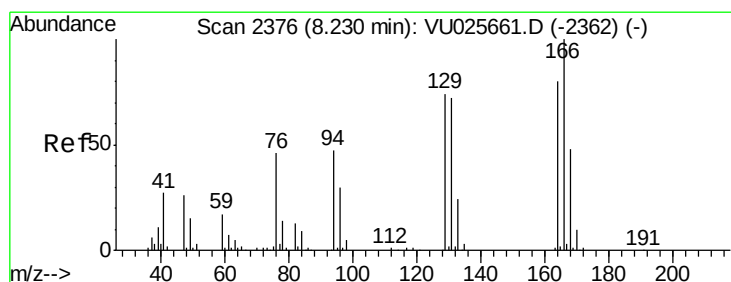
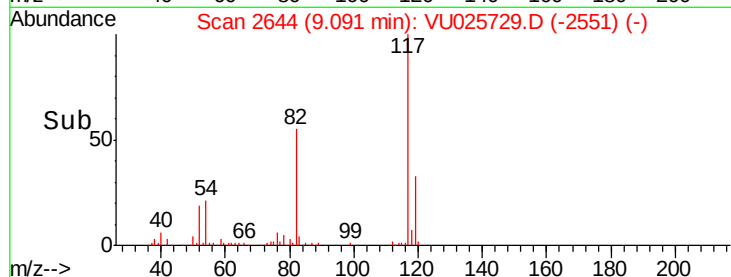
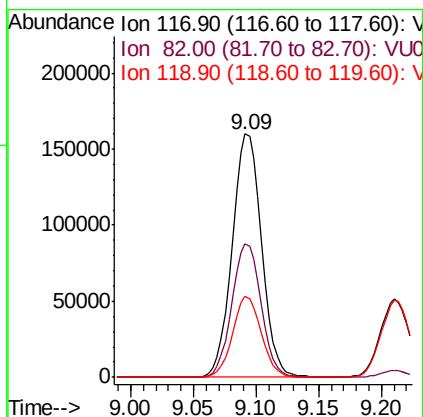
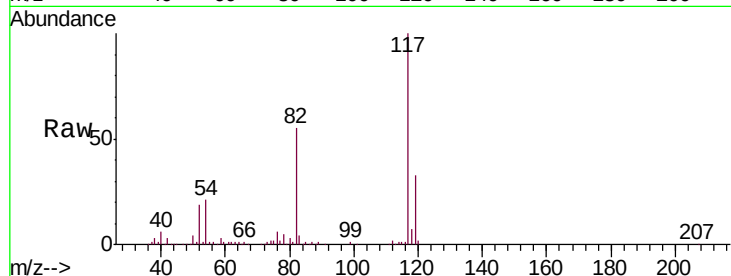




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

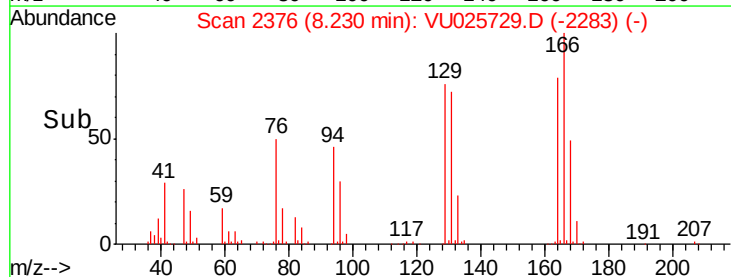
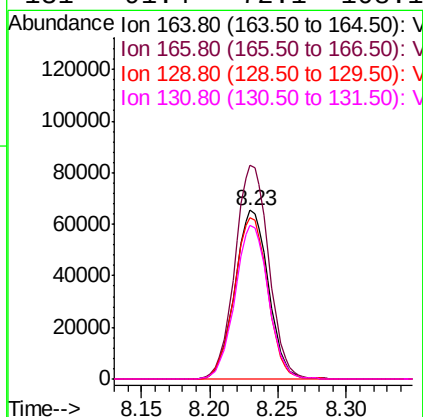
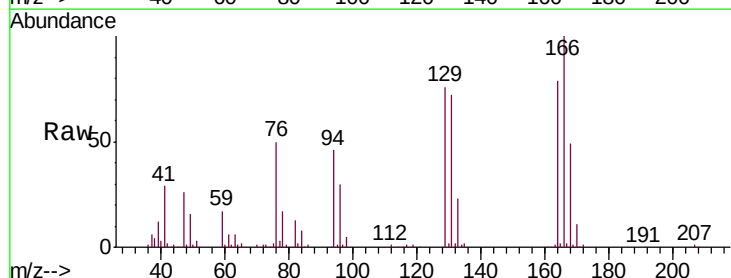
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

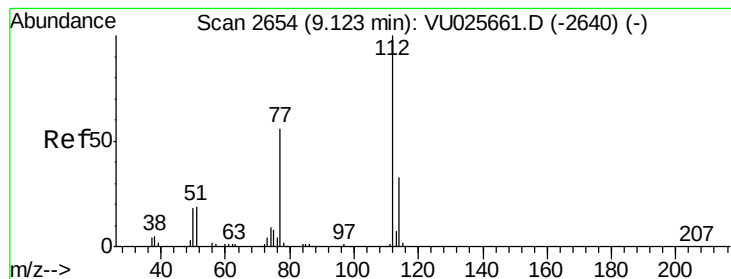
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.0	69.0
119	33.1	26.0	39.0



#64
Tetrachloroethene
Concen: 48.78 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.1	151.7
129	96.1	73.0	109.6
131	91.4	72.1	108.1





#65

Chlorobenzene

Concen: 50.41 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

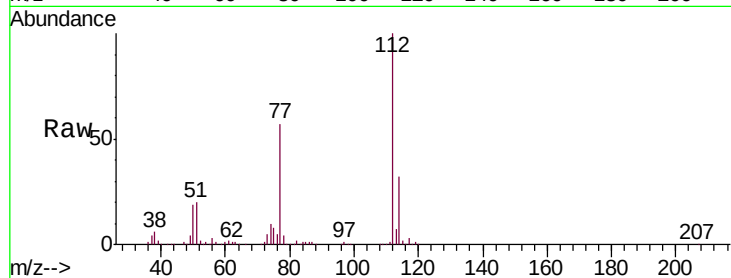
VSTDCCC050EC

Tot Ion:112 Resp: 338475

Ion Ratio Lower Upper

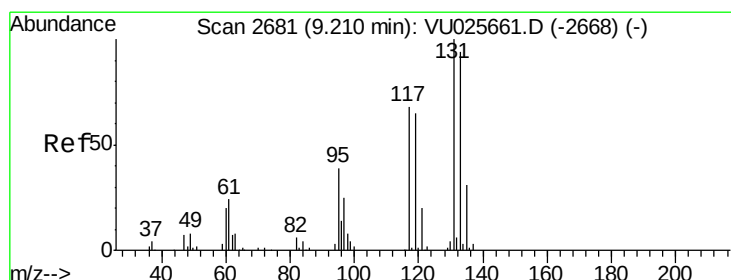
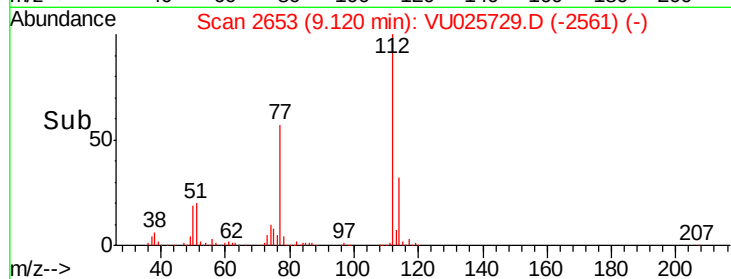
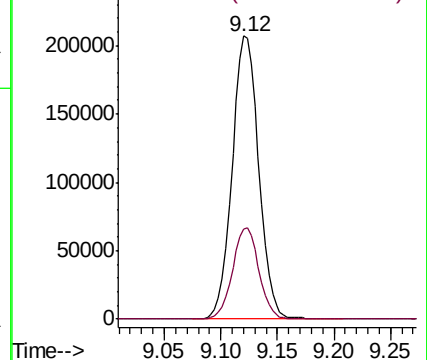
112 100

114 31.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.29 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

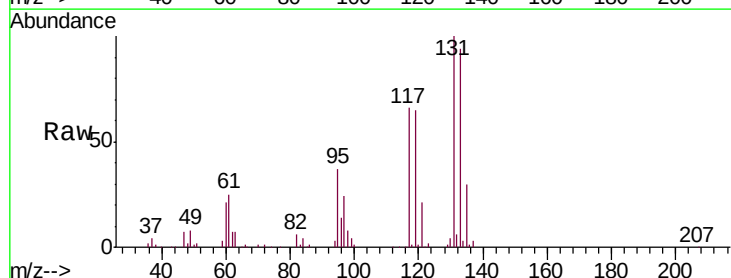
Tgt Ion:131 Resp: 129459

Ion Ratio Lower Upper

131 100

133 94.0 47.8 143.3

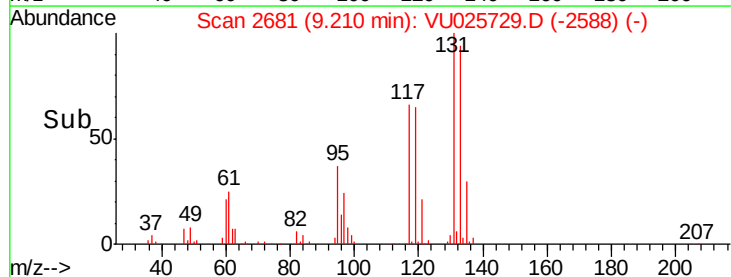
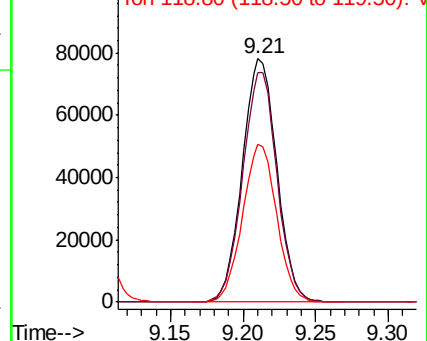
119 64.2 31.6 95.0

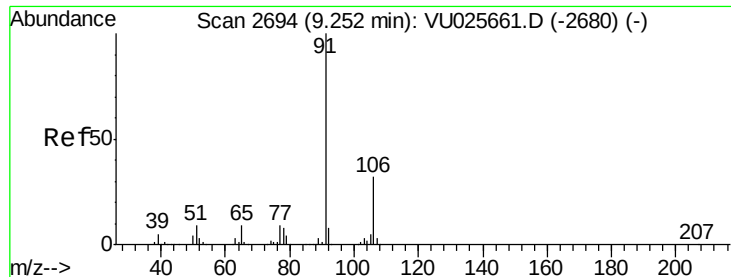


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.55 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

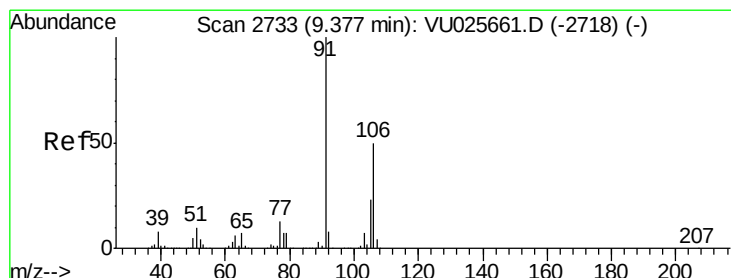
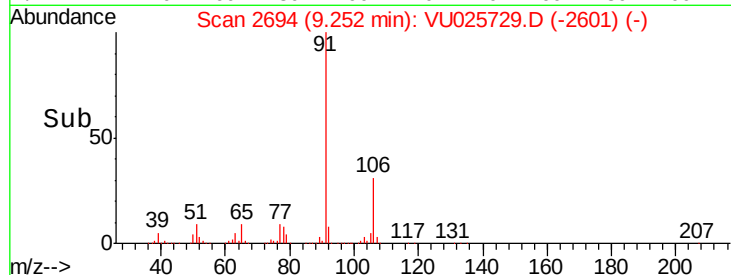
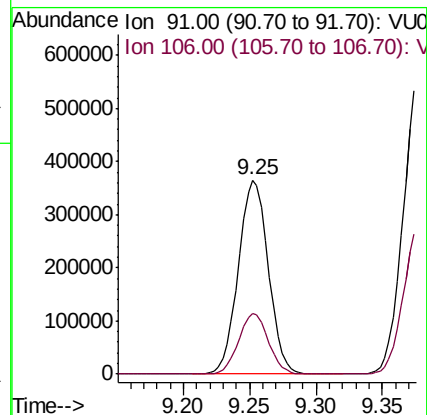
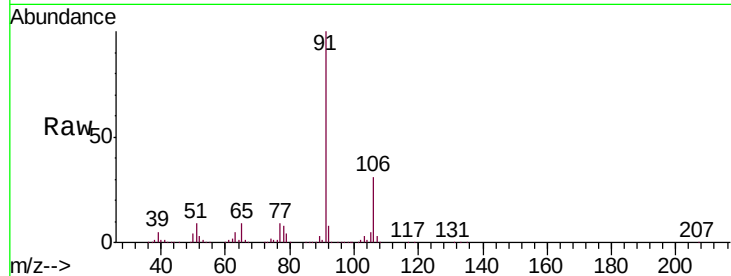
VSTDCCC050EC

Tot Ion: 91 Resp: 573435

Ion Ratio Lower Upper

91 100

106 31.4 25.3 37.9



#68

m/p-Xylenes

Concen: 104.76 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025729.D

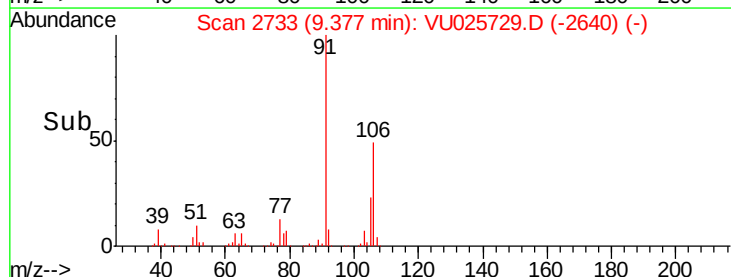
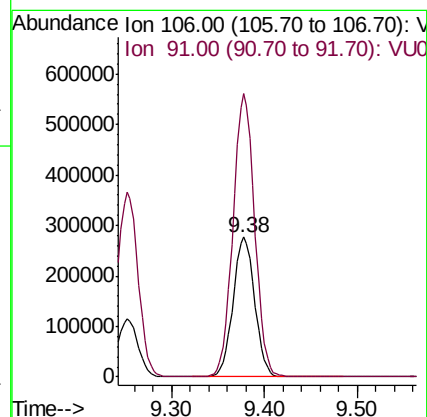
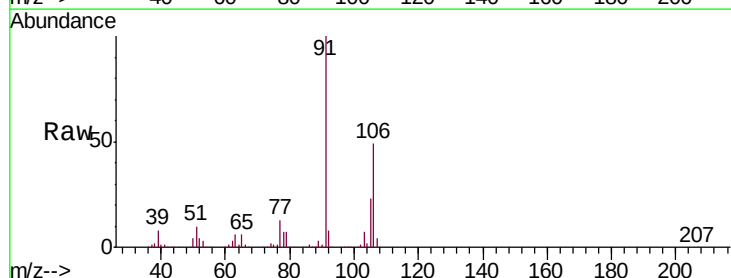
Acq: 30 Jul 2018 17:48

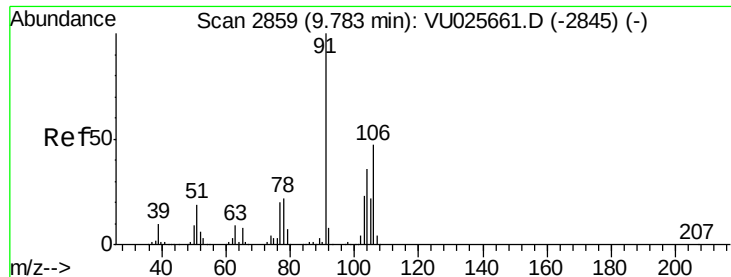
Tgt Ion: 106 Resp: 447371

Ion Ratio Lower Upper

106 100

91 202.4 162.3 243.5

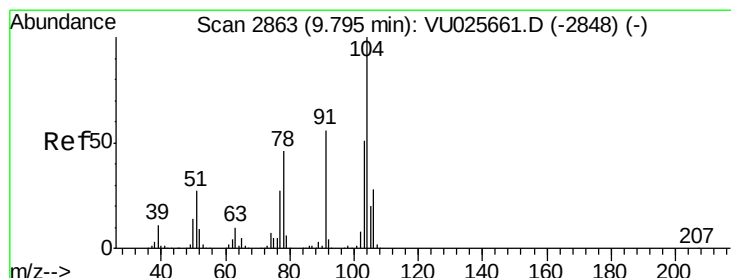
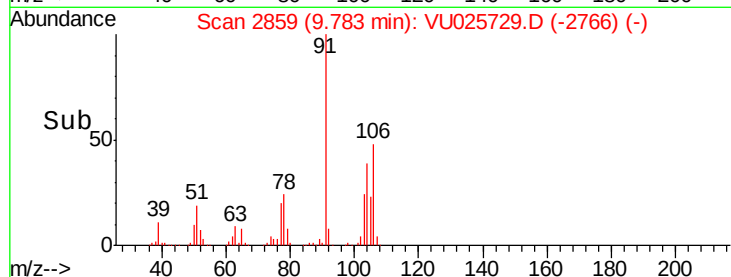
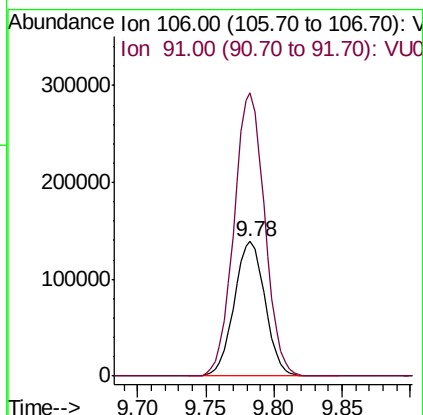
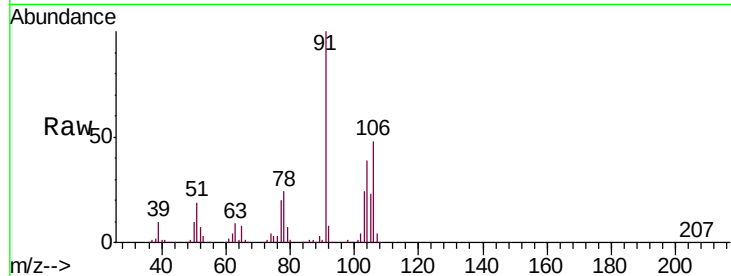




#69
o-Xylene
Concen: 52.30 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

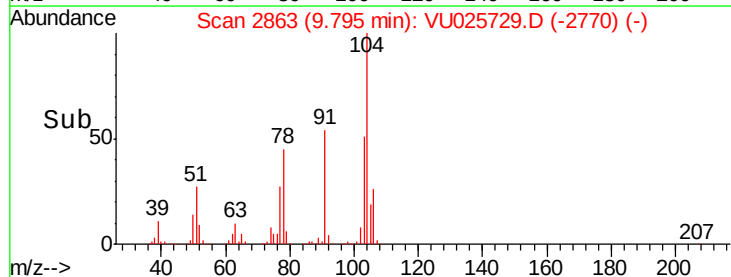
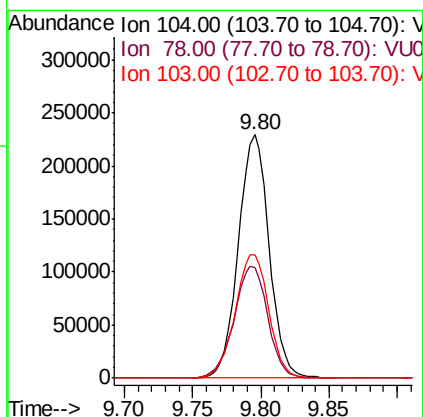
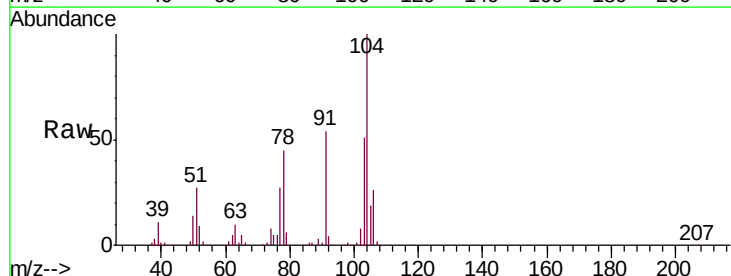
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

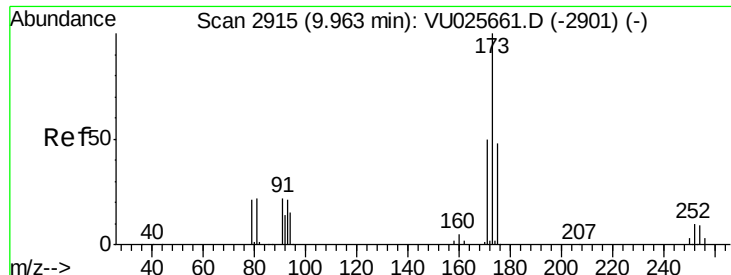
Tot Ion:106 Resp: 218265
Ion Ratio Lower Upper
106 100
91 209.9 105.3 315.8



#70
Styrene
Concen: 53.33 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion:104 Resp: 359524
Ion Ratio Lower Upper
104 100
78 50.4 41.6 62.4
103 55.5 44.6 66.8





#71

Bromoform

Concen: 52.73 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

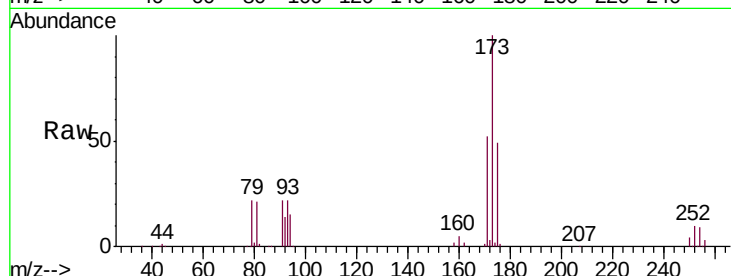
Tot Ion:173 Resp: 111070

Ion Ratio Lower Upper

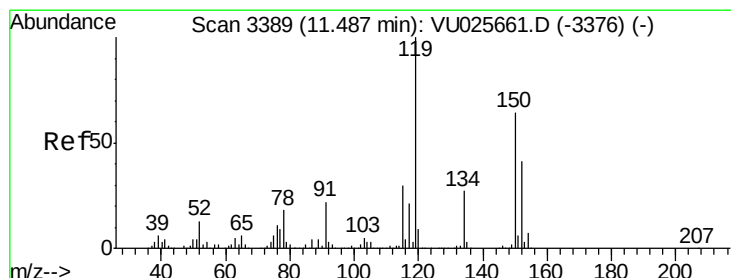
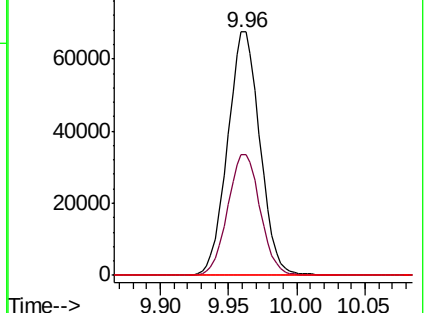
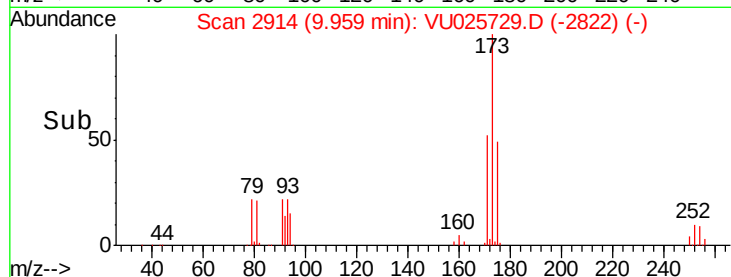
173 100

175 49.8 24.0 72.0

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

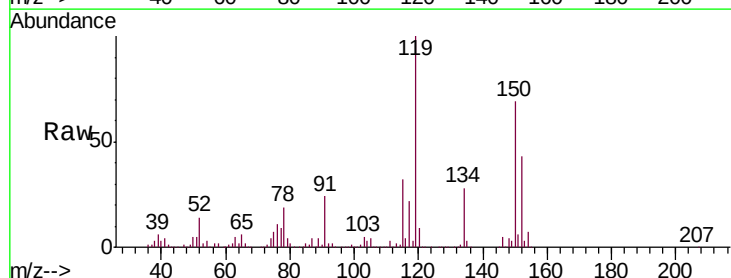
Tgt Ion:152 Resp: 166840

Ion Ratio Lower Upper

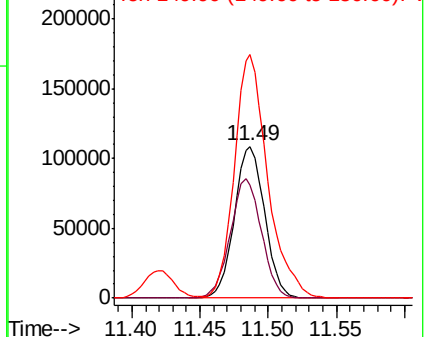
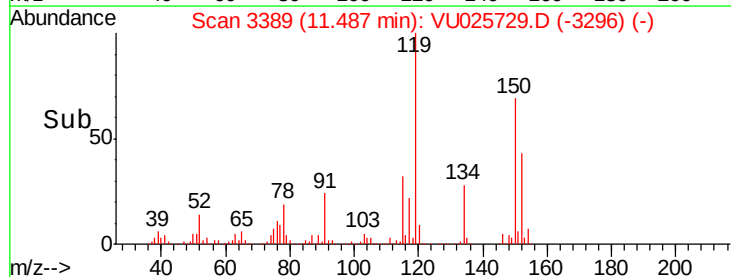
152 100

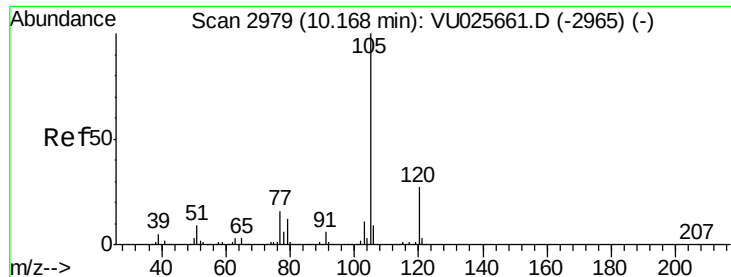
115 81.1 40.1 120.3

150 176.9 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.01 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

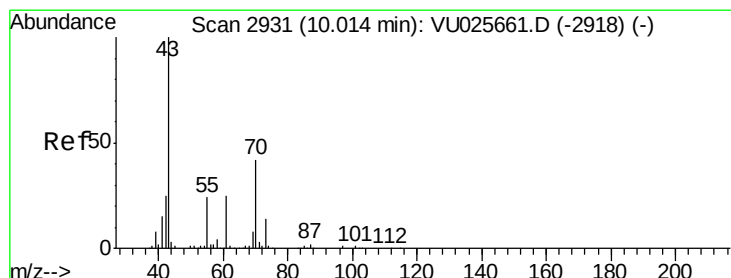
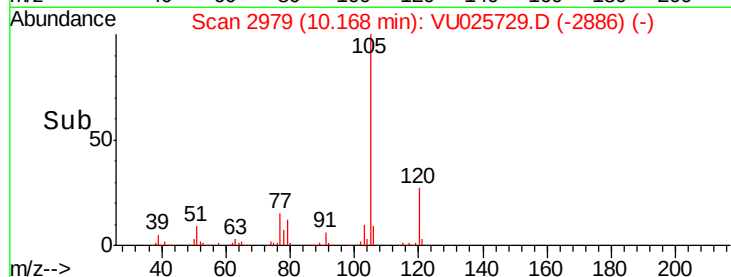
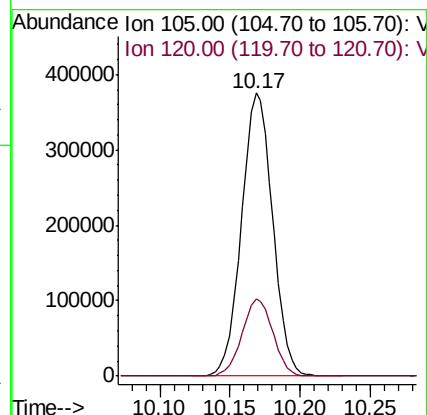
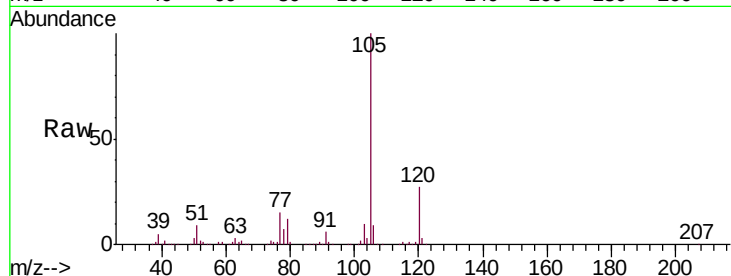
VSTDCCC050EC

Tot Ion:105 Resp: 580856

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



#74

N-ethyl acetate

Concen: 54.48 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Tgt Ion: 43 Resp: 253280

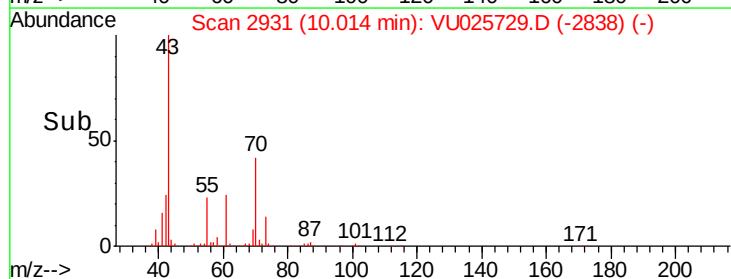
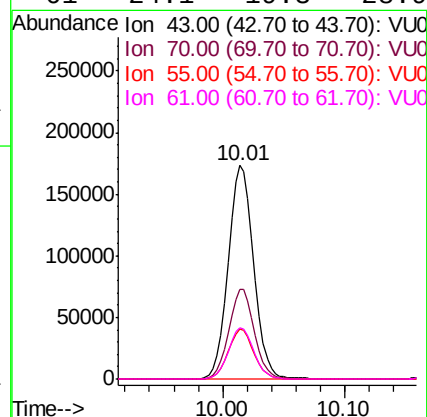
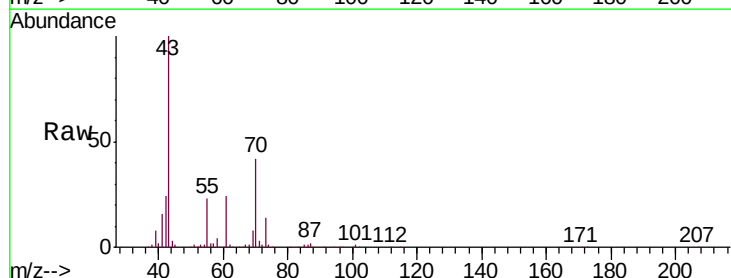
Ion Ratio Lower Upper

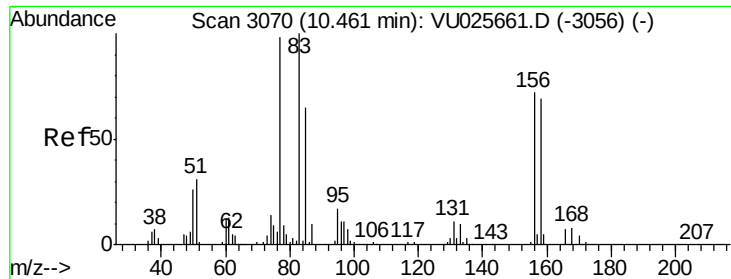
43 100

70 42.3 33.4 50.2

55 23.6 19.0 28.6

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.26 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

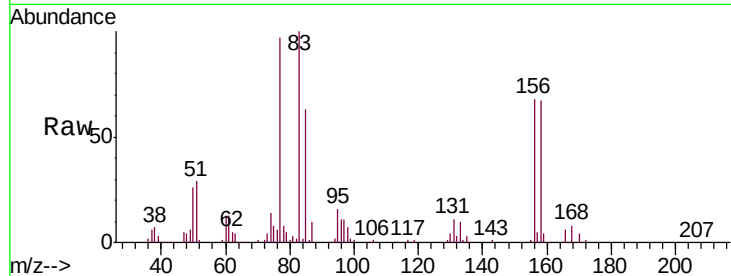
Tot Ion: 83 Resp: 197907

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

85 64.1 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

10.46

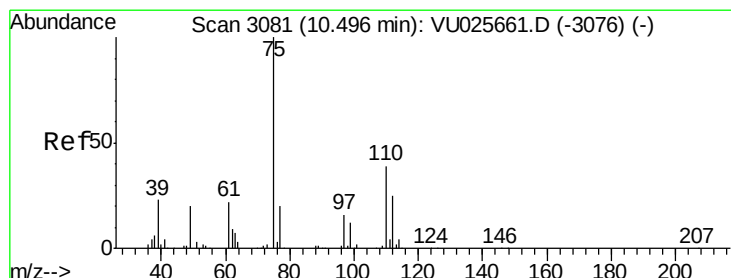
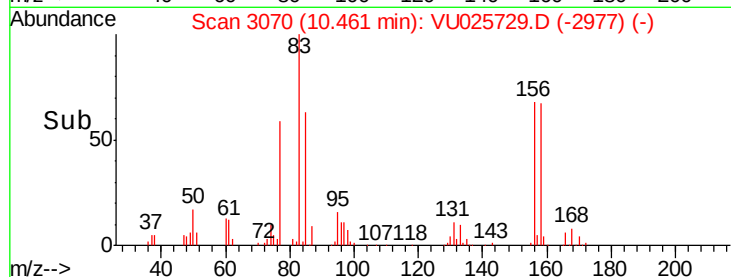
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 64.38 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025729.D

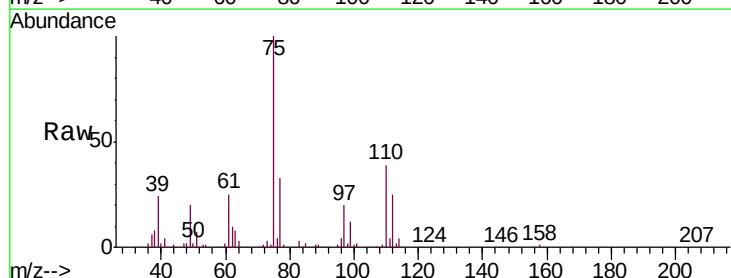
Acq: 30 Jul 2018 17:48

Tgt Ion: 75 Resp: 231880

Ion Ratio Lower Upper

75 100

77 31.4 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

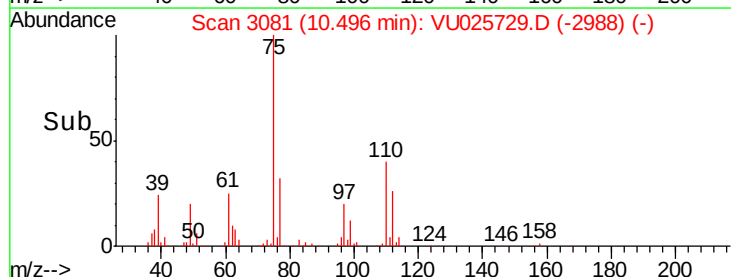
150000

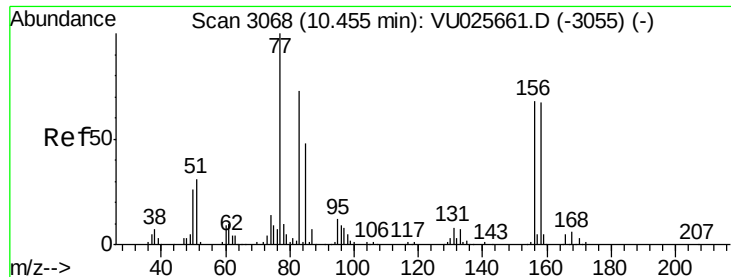
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 49.84 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

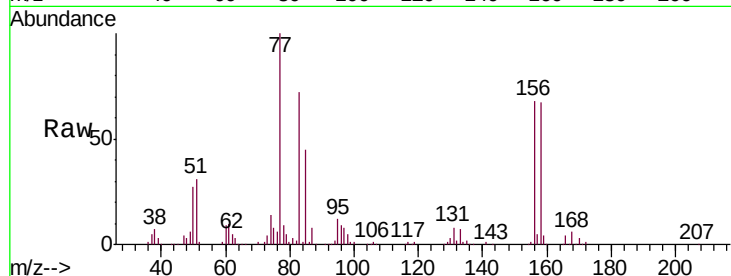
Tot Ion:156 Resp: 156545

Ion Ratio Lower Upper

156 100

77 149.0 73.8 221.4

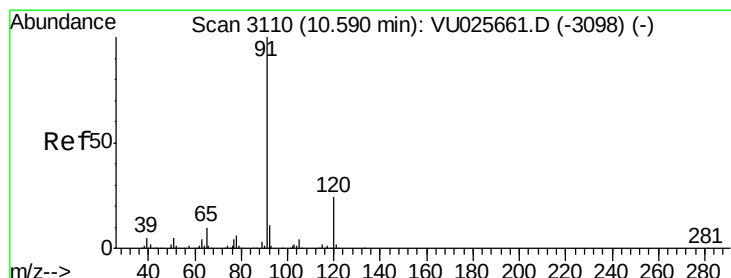
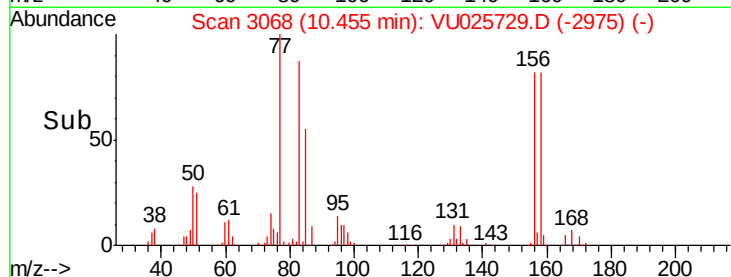
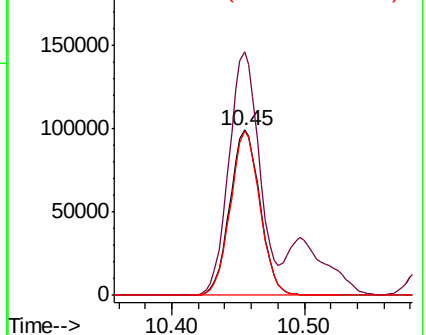
158 97.4 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.58 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025729.D

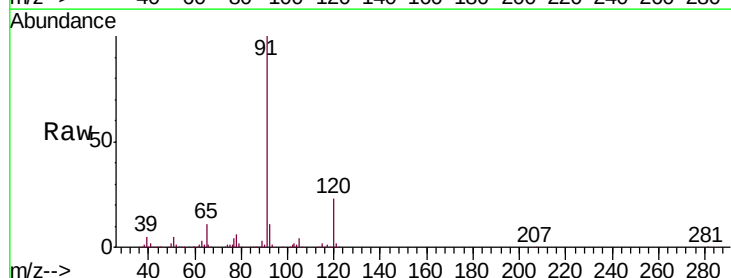
Acq: 30 Jul 2018 17:48

Tgt Ion: 91 Resp: 685599

Ion Ratio Lower Upper

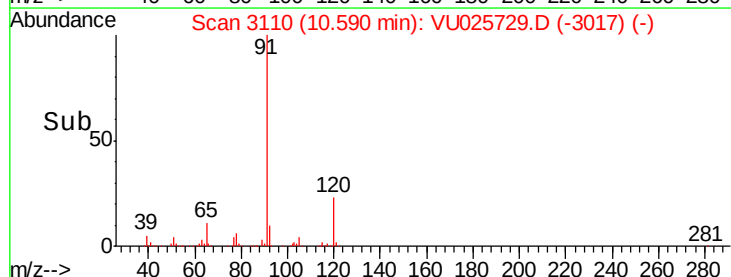
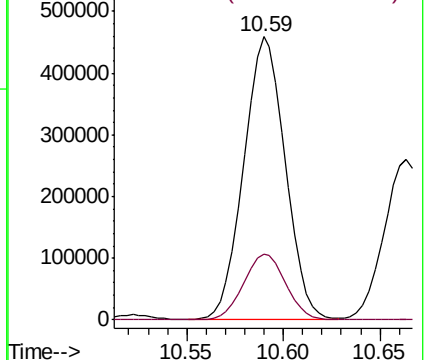
91 100

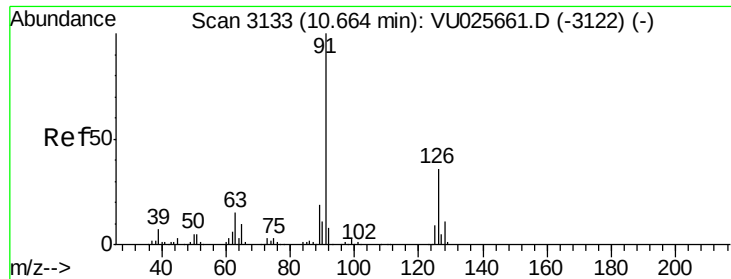
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.85 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

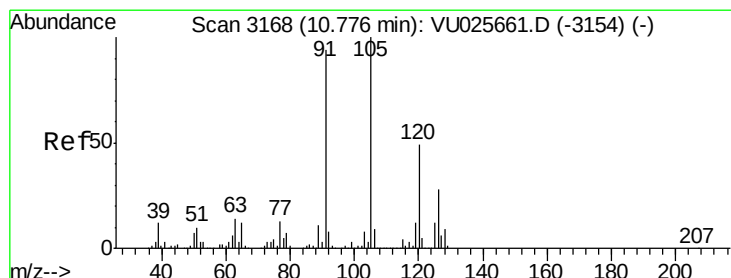
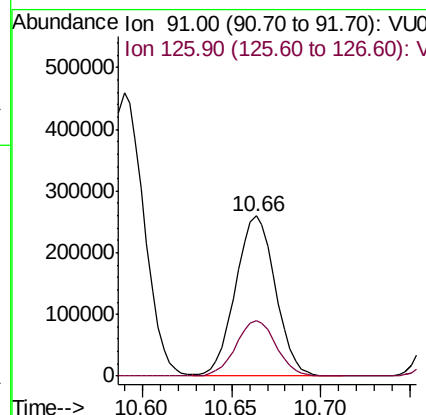
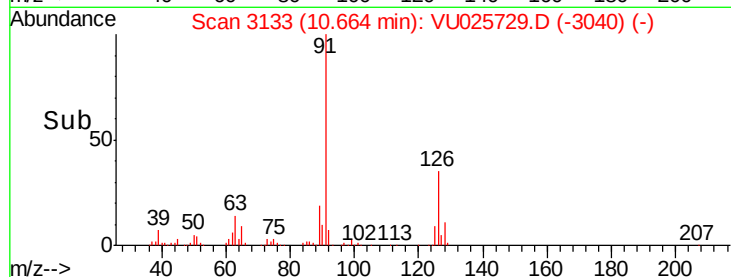
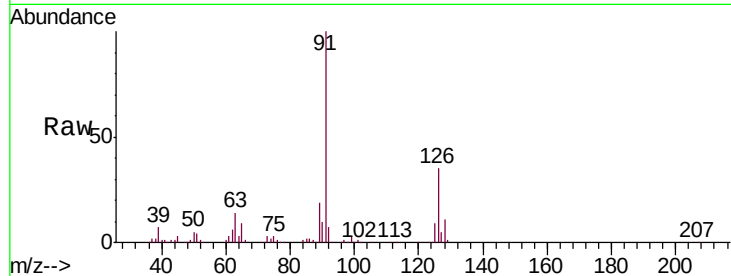
VSTDCCC050EC

Tot Ion: 91 Resp: 403628

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 52.04 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025729.D

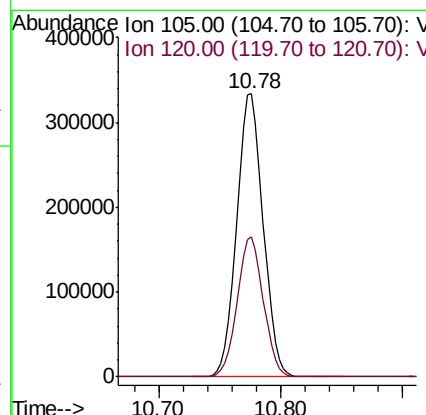
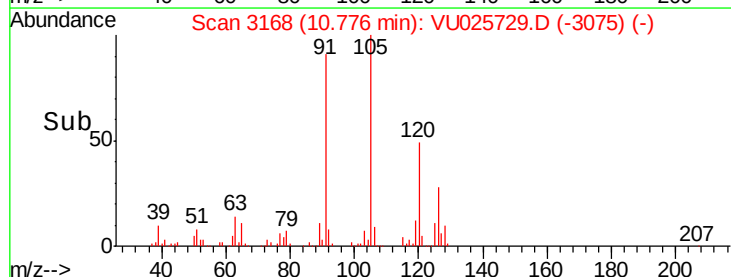
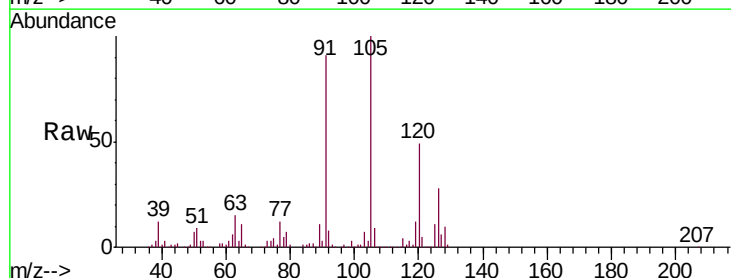
Acq: 30 Jul 2018 17:48

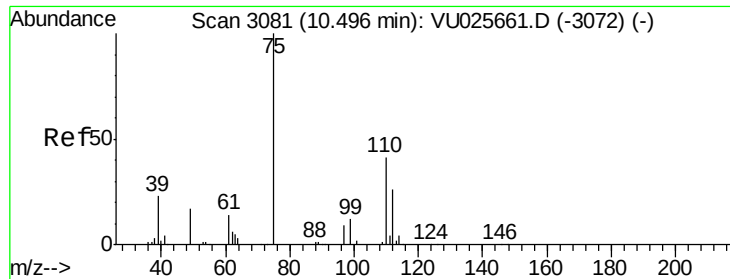
Tgt Ion: 105 Resp: 503249

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 174.47 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

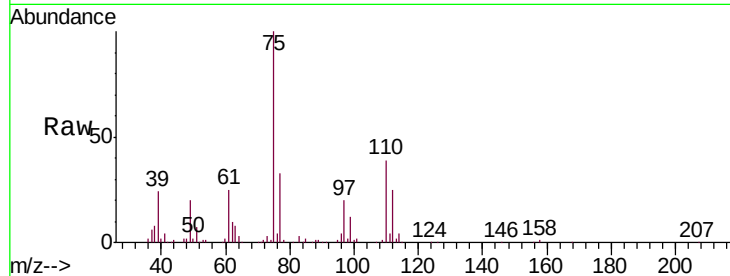
Tot Ion: 75 Resp: 231880

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

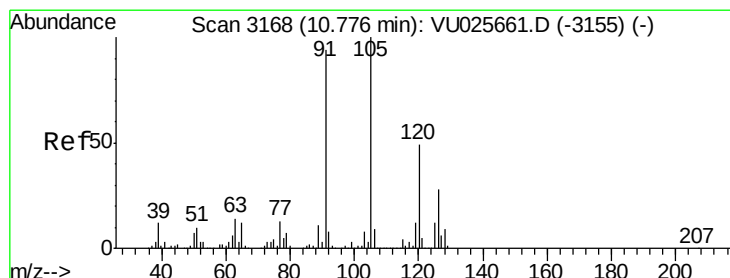
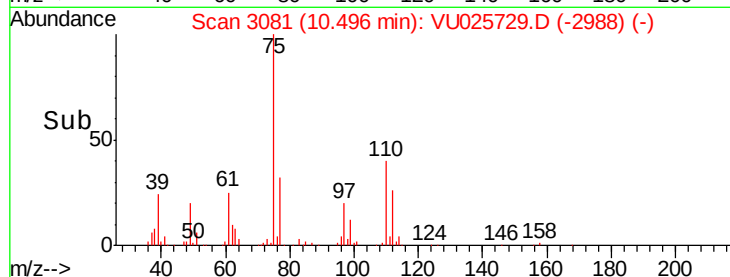
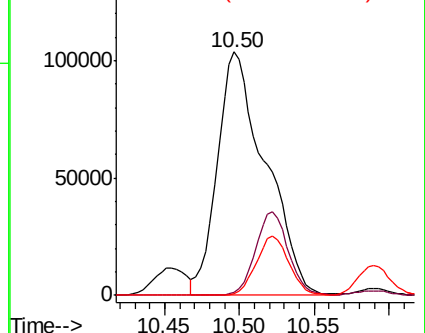
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 51.76 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025729.D

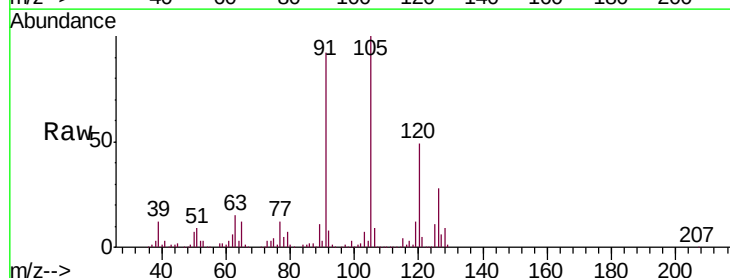
Acq: 30 Jul 2018 17:48

Tgt Ion: 91 Resp: 474938

Ion Ratio Lower Upper

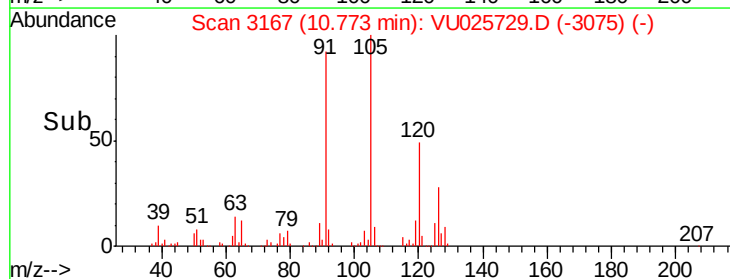
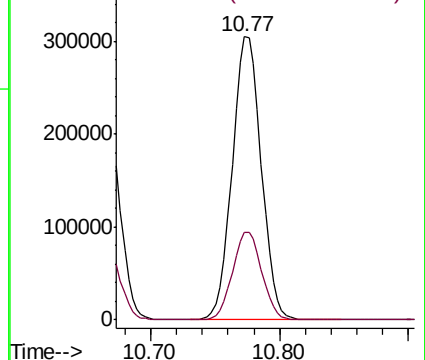
91 100

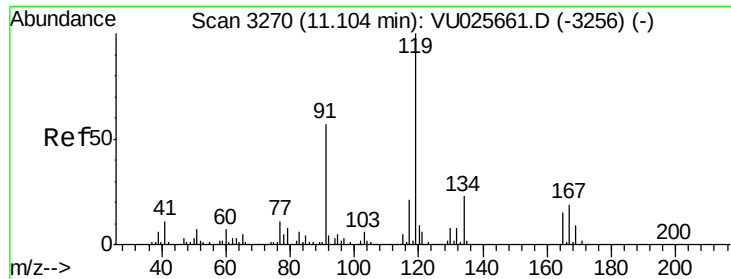
126 31.3 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

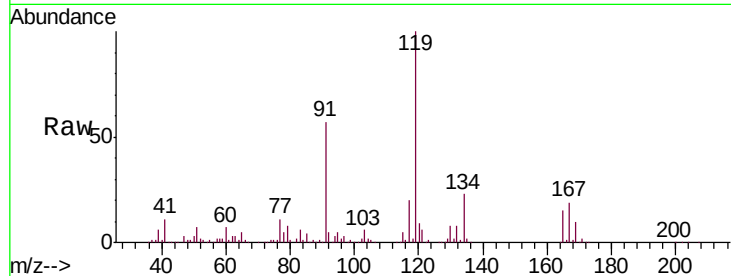




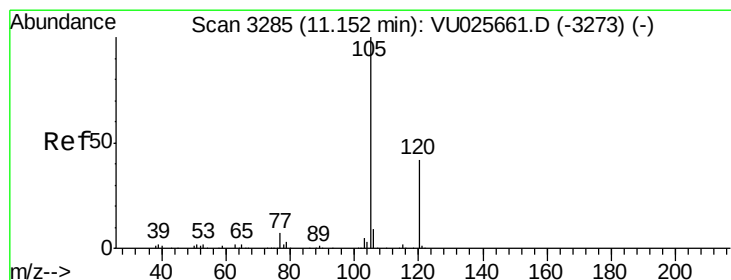
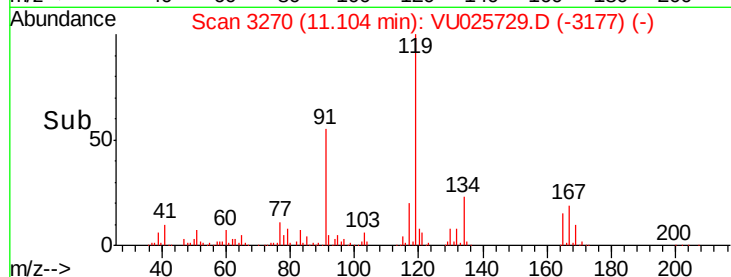
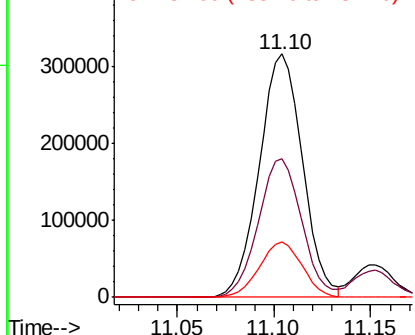
#83
 tert-Butylbenzene
 Concen: 51.10 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 491028
 Ion Ratio Lower Upper
 119 100
 91 57.0 29.7 89.1
 134 22.5 11.5 34.5

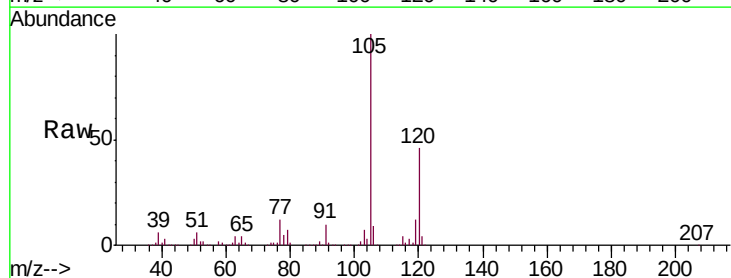


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

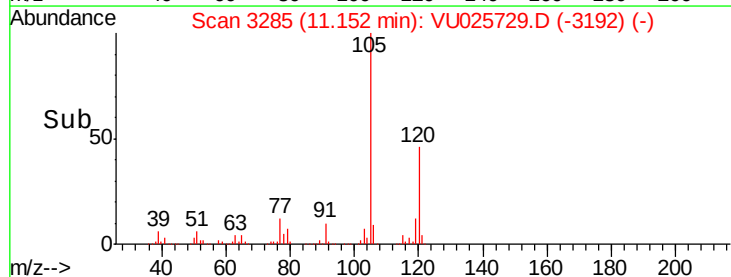
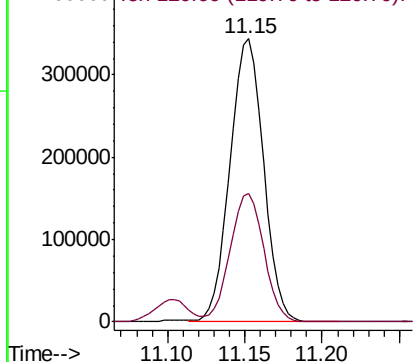


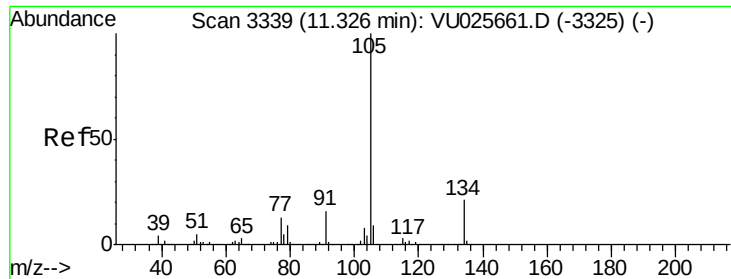
#84
 1,2,4-Trimethylbenzene
 Concen: 52.67 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion:105 Resp: 516167
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.95 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

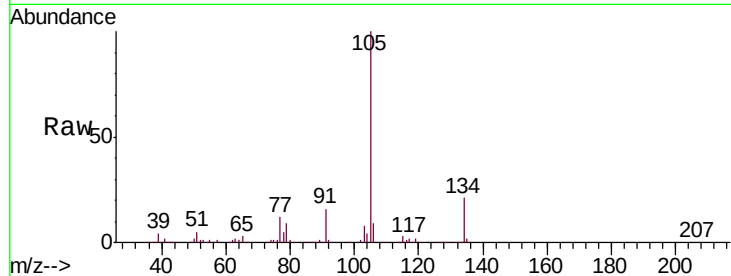
VSTDCCC050EC

Tot Ion:105 Resp: 585954

Ion Ratio Lower Upper

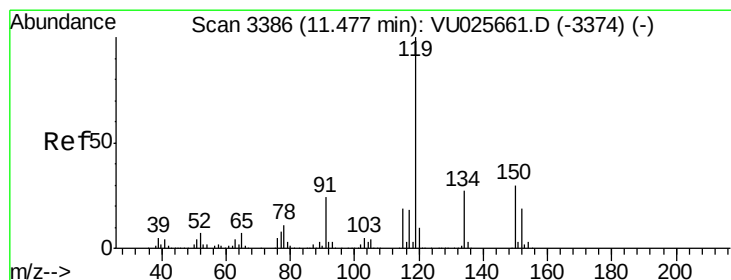
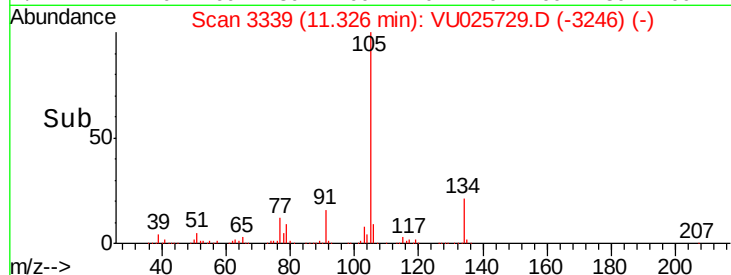
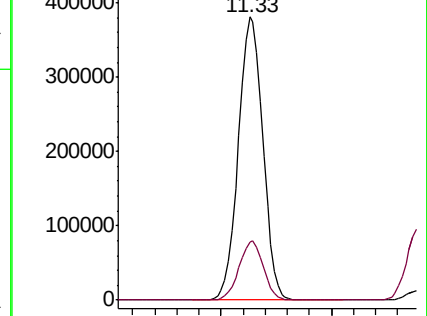
105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.69 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

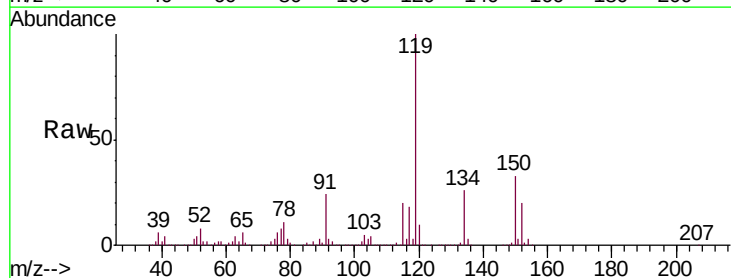
Tgt Ion:119 Resp: 532521

Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

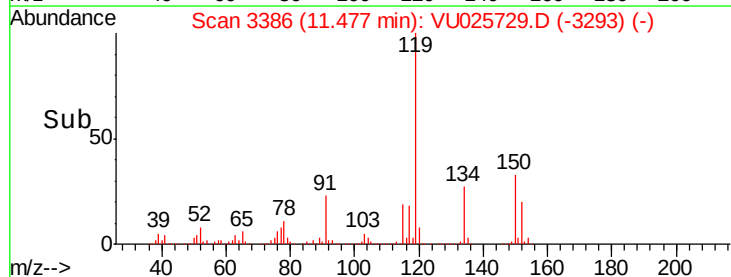
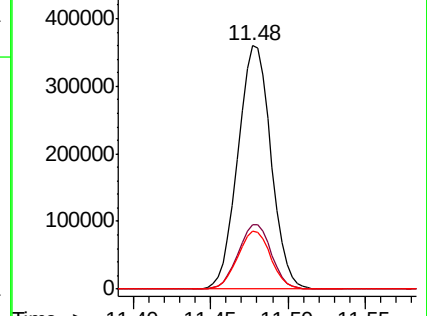
91 23.9 12.0 36.1

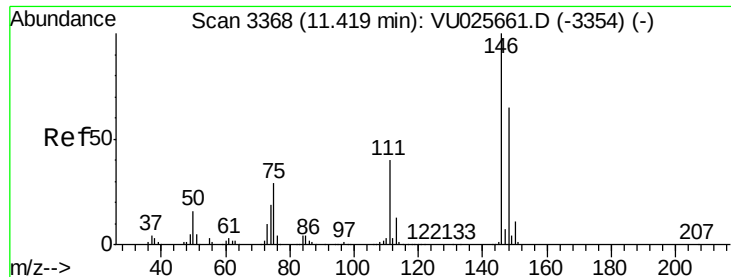


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

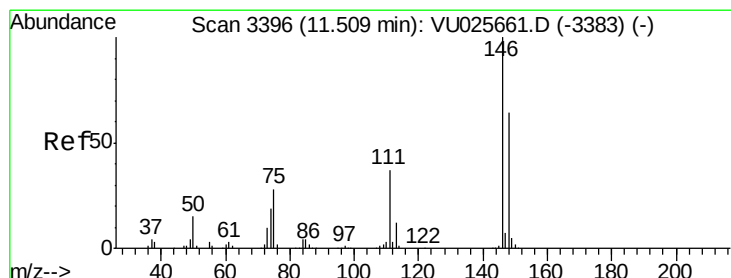
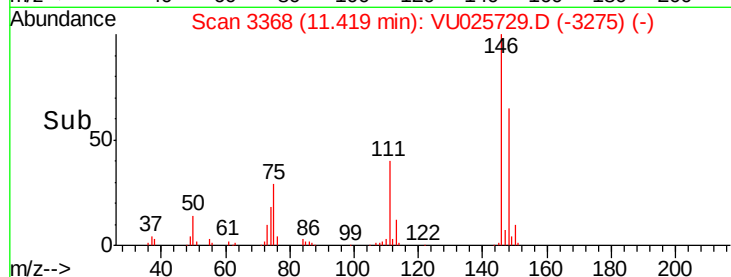
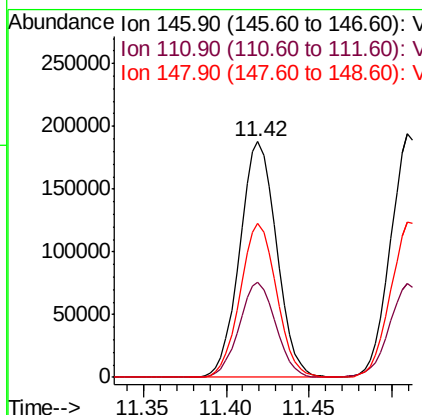
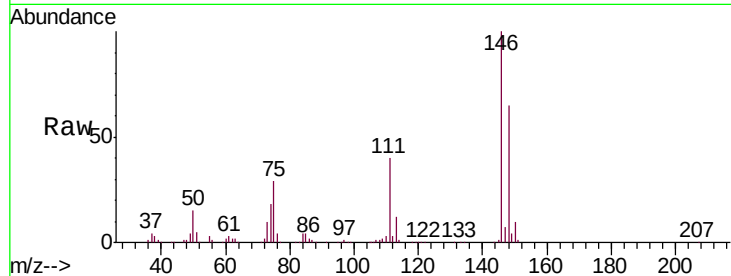




#87
 1,3-Dichlorobenzene
 Concen: 49.88 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

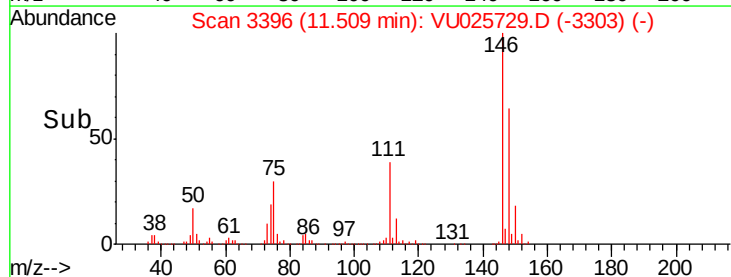
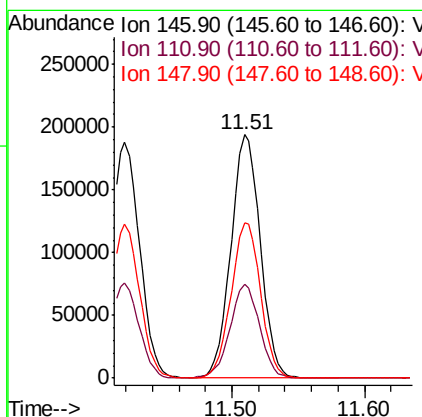
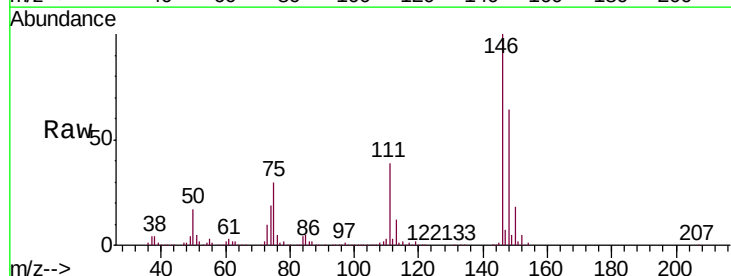
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

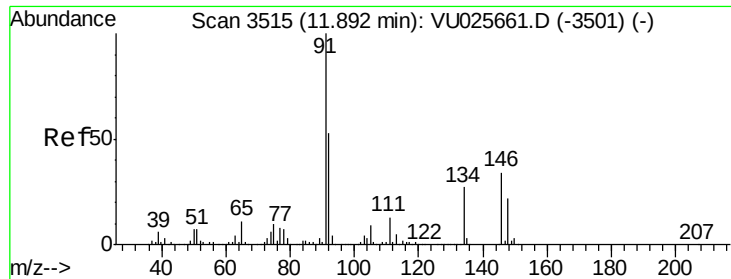
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	64.5	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.01 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	64.4	31.7	95.1

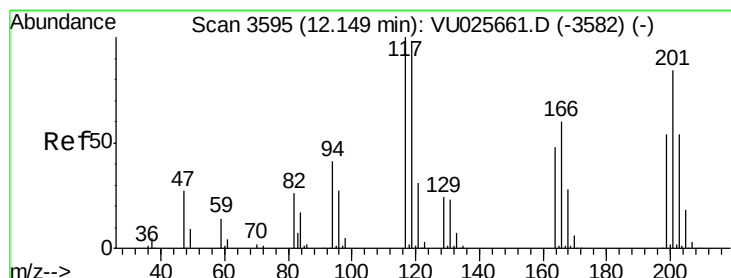
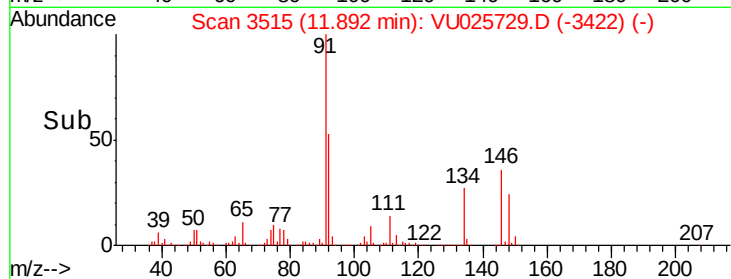
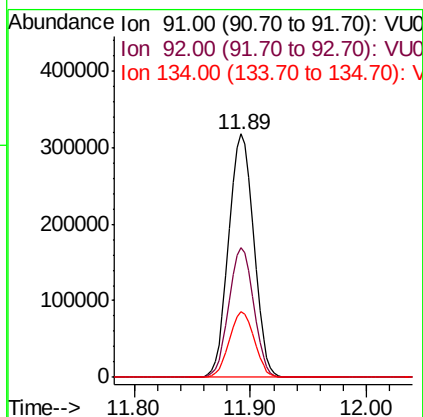
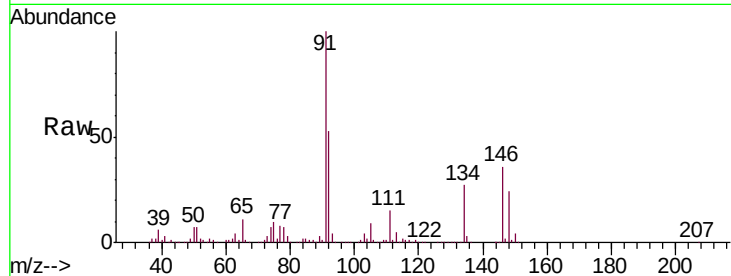




#89
n-Butylbenzene
Concen: 48.83 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

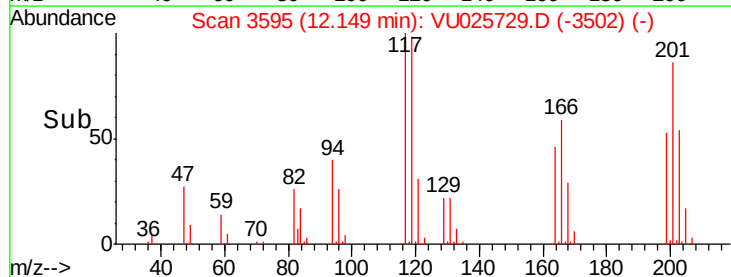
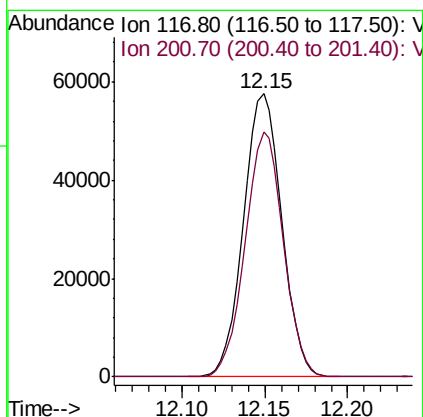
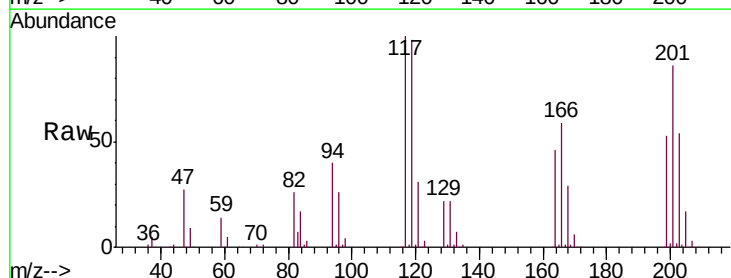
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

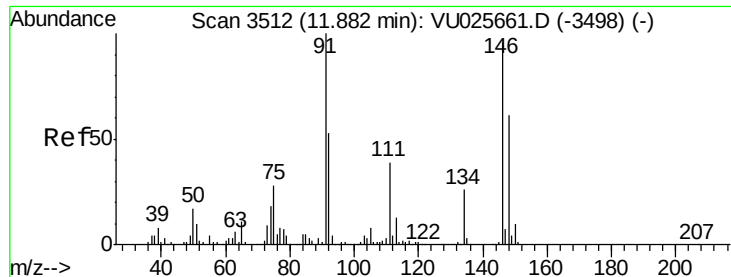
Tot Ion: 91 Resp: 473366
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.5
134 26.9 13.6 40.7



#90
Hexachloroethane
Concen: 49.54 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion: 117 Resp: 92522
Ion Ratio Lower Upper
117 100
201 86.1 42.5 127.6

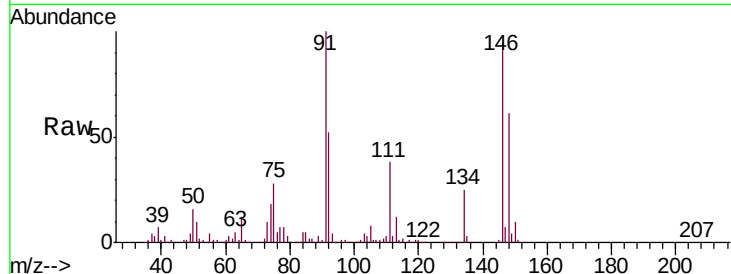




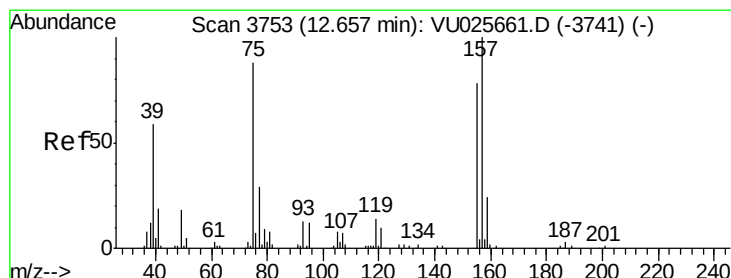
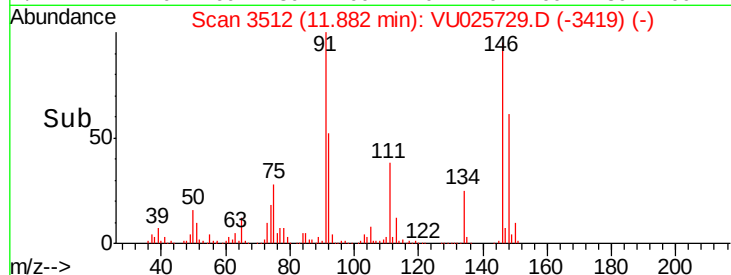
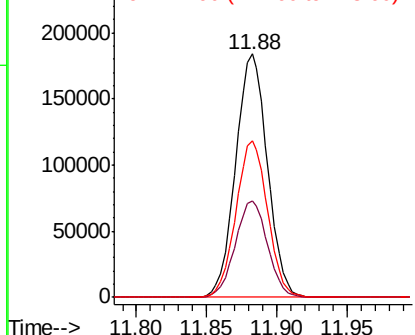
#91
 1,2-Dichlorobenzene
 Concen: 50.83 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	64.2	31.5	94.5

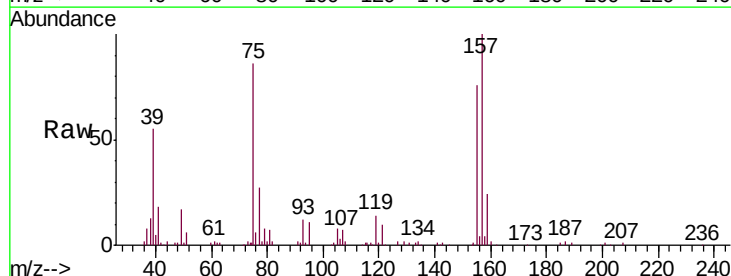


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

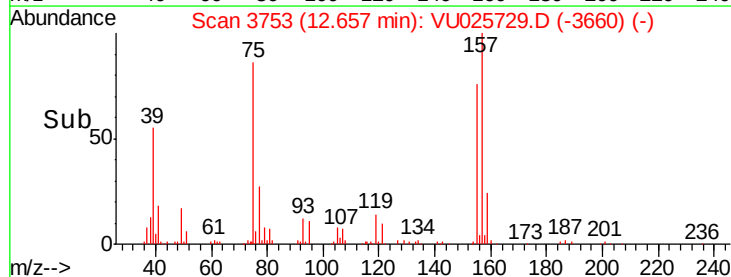
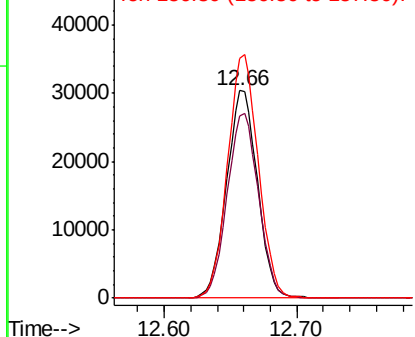


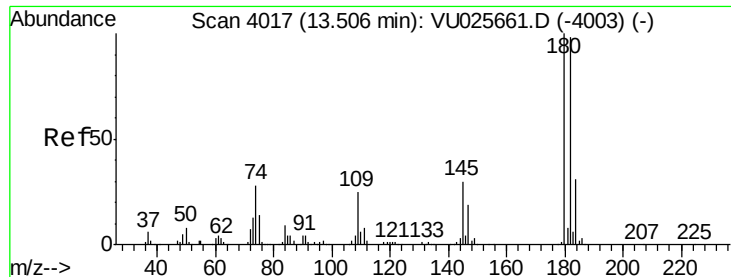
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.70 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	44.5	133.3
157	116.5	57.0	170.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

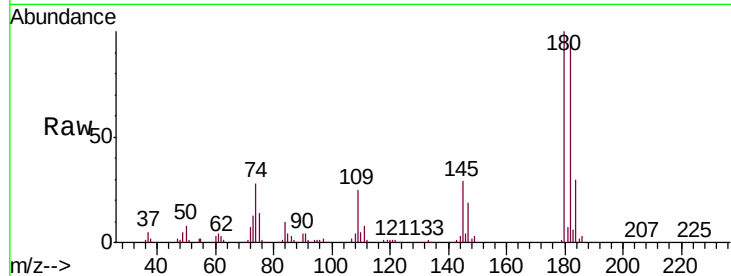




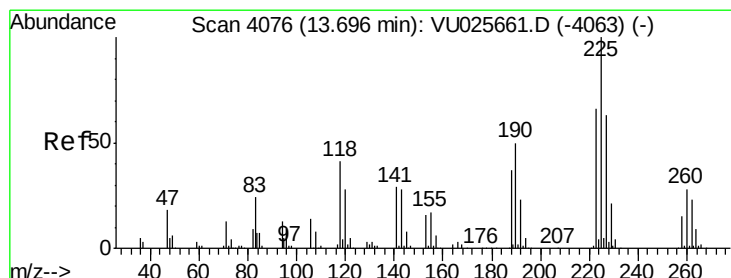
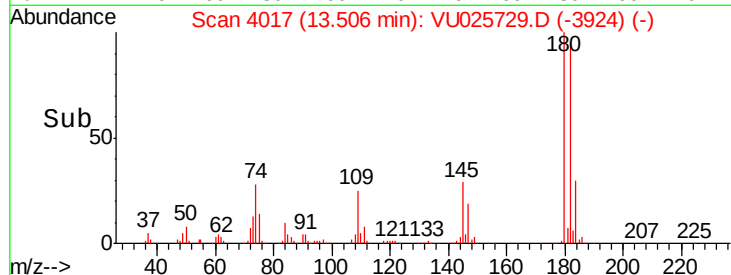
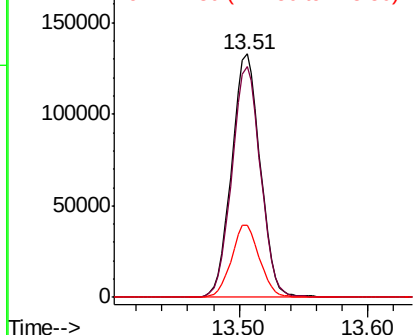
#93
 1,2,4-Trichlorobenzene
 Concen: 53.15 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 205004
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 141.9
 145 29.1 14.9 44.7

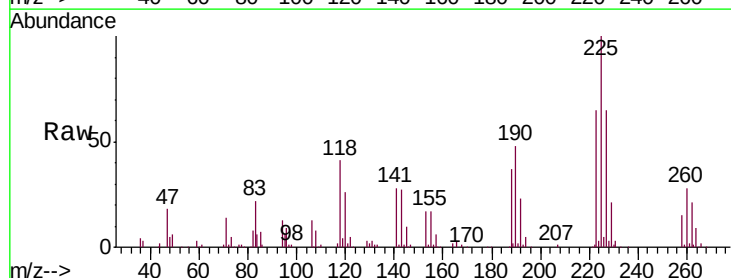


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

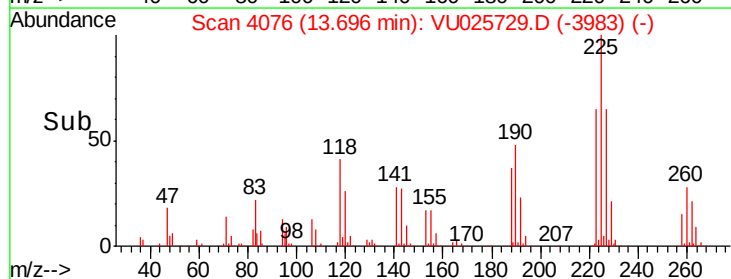
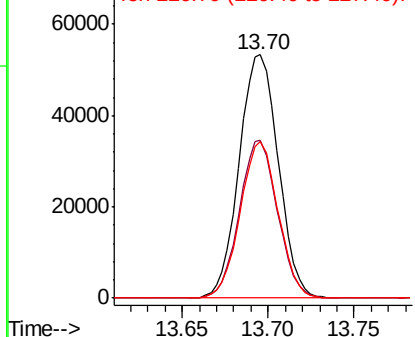


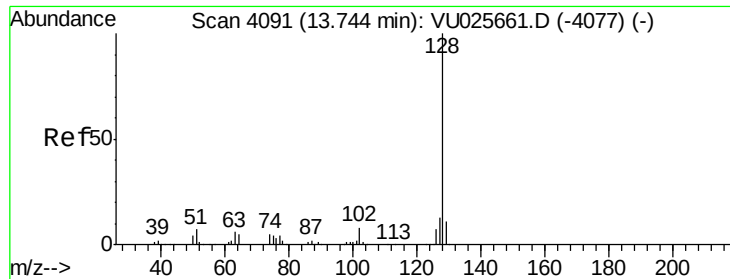
#94
 Hexachlorobutadiene
 Concen: 41.50 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025729.D
 Acq: 30 Jul 2018 17:48

Tgt Ion:225 Resp: 84374
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.7
 227 62.2 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

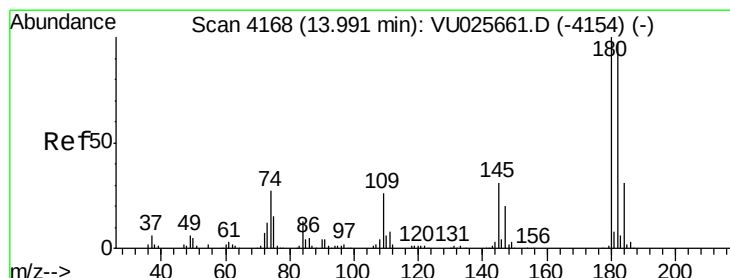
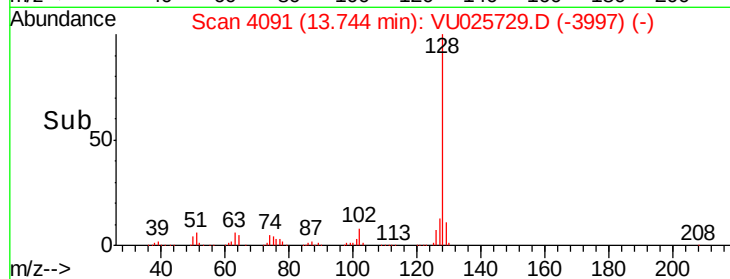
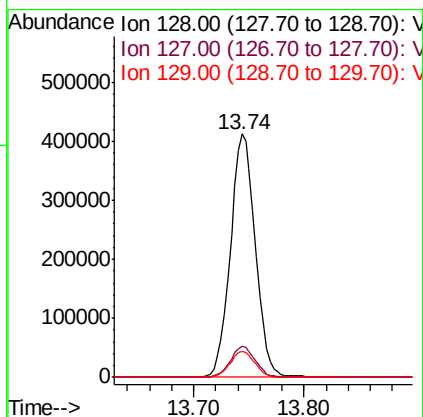
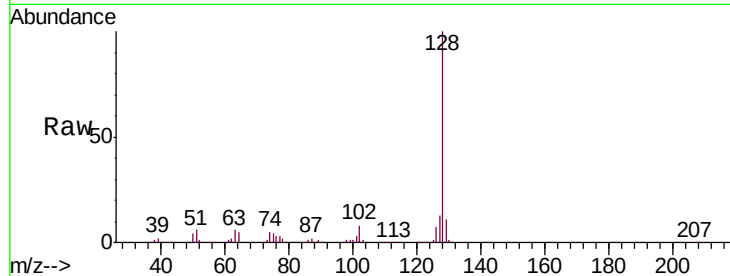




#95
Naphthalene
Concen: 52.05 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 645469
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 53.11 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025729.D
Acq: 30 Jul 2018 17:48

Tgt Ion:180 Resp: 204325
Ion Ratio Lower Upper
180 100
182 96.3 47.8 143.3
145 31.9 15.6 46.8

