

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072518\
 Data File : VU025631.D
 Acq On : 25 Jul 2018 11:50
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 7/26/2018 4:26:34 PM

Quant Time: Jul 25 12:10:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 25 11:50:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	40366	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	14884	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17203	1.34	ug/l	0.00
Spiked Amount 1.000			Recovery	=	134.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	271665	20.728	ug/l	100
3) Chloromethane	1.33	50	250949	16.525	ug/l	99
4) Vinyl Chloride	1.41	62	244294	16.769	ug/l	99
5) Bromomethane	1.63	94	120115	15.422	ug/l	99
6) Chloroethane	1.70	64	141911	17.500	ug/l	98
7) Trichlorofluoromethane	1.89	101	345455	20.658	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	190090	18.503	ug/l	99
9) 1,1-Dichloroethene	2.28	96	166390	17.444	ug/l	95
10) Iodomethane	2.41	142	184710	16.286	ug/l	94
11) Allyl Chloride	2.59	41	280227	15.983	ug/l	88
12) Acrylonitrile	2.94	53	73046	37.111	ug/l	96
13) Acetone	2.32	43	152674	91.389	ug/l	95
14) Carbon Disulfide	2.48	76	574076	18.294	ug/l	100
15) Methylene Chloride	2.70	84	183676	16.907	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	187582	18.356	ug/l	93
17) 1,1-Dichloroethane	3.45	63	378194	18.788	ug/l	98
18) 2-Butanone	4.28	43	281255	104.188	ug/l	98
19) Cyclohexane	4.99	56	310316	17.843	ug/l	89
20) Methylcyclohexane	6.42	83	380579	21.449	ug/l	93
21) 2,2-Dichloropropane	4.23	77	335670	21.029	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	238424	21.560	ug/l	93
23) Diethyl Ether	2.10	59	127473	16.347	ug/l	96
24) tert-Butyl Alcohol	2.84	59	139418	237.105	ug/l #	81
25) Methyl tert-Butyl Ether	3.00	73	451369	18.830	ug/l	99
26) Bromochloromethane	4.55	128	102083	23.361	ug/l	83
27) Chloroform	4.68	83	406396	21.438	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	371085	23.863	ug/l	98
29) 1,1-Dichloropropene	5.14	75	316969	20.774	ug/l	97
30) Carbon Tetrachloride	5.14	117	352489	26.942	ug/l	98
31) Isopropyl Ether	3.58	45	607273	17.873	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	587568	20.238	ug/l	94
33) Tert-Amyl methyl ether	5.59	73	527680	21.473	ug/l	98
34) Propionitrile	4.34	54	81996	106.679	ug/l #	93
35) Benzene	5.39	78	868629	19.154	ug/l	100
36) 1,2-Dichloroethane	5.41	62	265674	20.714	ug/l	98
37) Trichloroethene	6.19	130	253362	20.812	ug/l	99
38) 1,2-Dichloropropane	6.44	63	224005	18.010	ug/l	98
39) Methacrylonitrile	4.55	41	72179	18.365	ug/l	92
40) Methyl acrylate	4.43	55	114844	21.067	ug/l #	96
41) Tetrahydrofuran	4.65	42	73607	36.347	ug/l	91
42) 1-Chlorobutane	5.07	56	430235	19.455	ug/l	99

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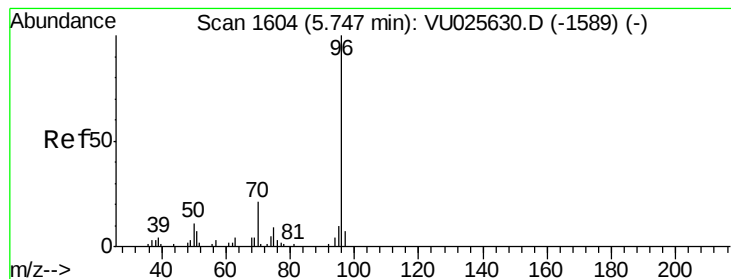
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Quant Time: Jul 25 12:10:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	117568	21.977	ug/l	97
44) Bromodichloromethane	6.76	83	301562	22.434	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	686778	108.625	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	123829m	66.243	ug/l	
47) Methyl methacrylate	6.63	69	210488	43.426	ug/l	95
48) Ethyl methacrylate	8.02	69	215032	25.373	ug/l	98
49) Toluene	7.64	92	554356	21.162	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	287672	25.072	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	333683	22.343	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	158763	20.857	ug/l	98
53) 1,3-Dichloropropane	8.25	76	275462	20.357	ug/l	99
54) 2-Hexanone	8.37	43	485941	112.829	ug/l	98
55) Dibromochloromethane	8.48	129	212368	25.463	ug/l	97
56) 1,2-Dibromoethane	8.59	107	156634	23.882	ug/l	99
58) Tetrachloroethene	8.23	164	237180	21.368	ug/l	97
59) Chlorobenzene	9.12	112	630366	22.481	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	234119	24.583	ug/l	98
61) Pentachloroethane	11.10	117	183141	27.093	ug/l	94
62) Hexachloroethane	12.15	117	199754	30.789	ug/l	97
63) Ethyl Benzene	9.25	91	1101519	23.634	ug/l	99
64) m/p-Xylenes	9.38	106	860021	47.848	ug/l	99
65) o-Xylene	9.78	106	419319	24.226	ug/l	97
66) Styrene	9.80	104	713146	24.984	ug/l	99
67) Bromoform	9.96	173	126890	29.130	ug/l	99
69) Isopropylbenzene	10.17	105	1128830	25.319	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	201879	23.531	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	143754m	23.413	ug/l	
72) Bromobenzene	10.45	156	282165	25.421	ug/l	95
73) n-propylbenzene	10.59	120	321866	26.116	ug/l	93
74) 2-Chlorotoluene	10.66	126	277678	25.481	ug/l	87
75) 1,3,5-Trimethylbenzene	10.78	105	984094	26.199	ug/l	100
76) 4-Chlorotoluene	10.78	126	286934	25.416	ug/l	94
77) tert-Butylbenzene	11.10	119	966213	27.457	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	1015246	26.771	ug/l	100
79) sec-Butylbenzene	11.33	105	1283097	26.039	ug/l	98
80) Nitrobenzene	12.87	77	39744	133.381	ug/l	97
81) p-Isopropyltoluene	11.48	119	1110452	27.422	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	576823	26.037	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	571448	25.829	ug/l	100
84) n-Butylbenzene	11.89	91	1044928	26.432	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	525237	26.260	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	37246	30.764	ug/l	93
87) 1,2,4-Trichlorobenzene	13.51	180	399150	27.590	ug/l	99
88) Hexachlorobutadiene	13.70	225	227485	25.933	ug/l	98
89) Naphthalene	13.74	128	666819	30.607	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	357357	26.315	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU025631.D

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Instrument :

MSVOA_U

ClientSampleId :

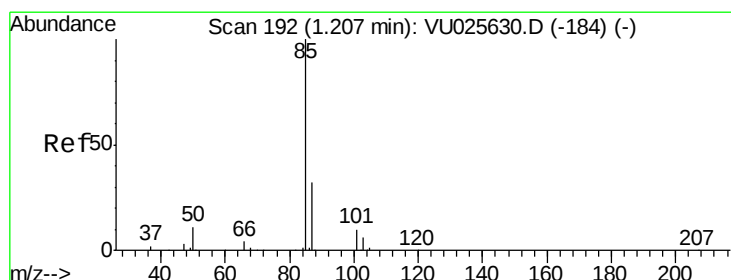
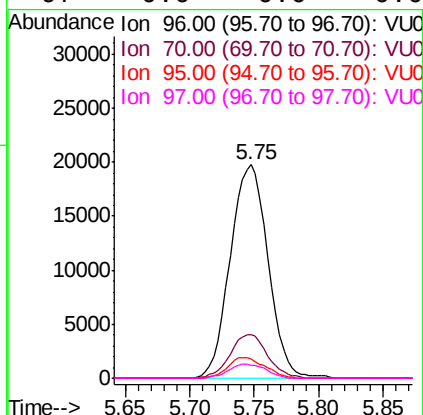
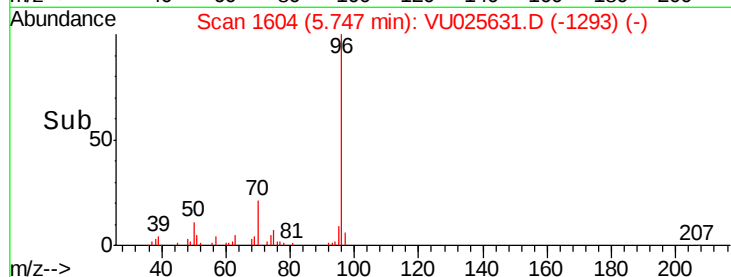
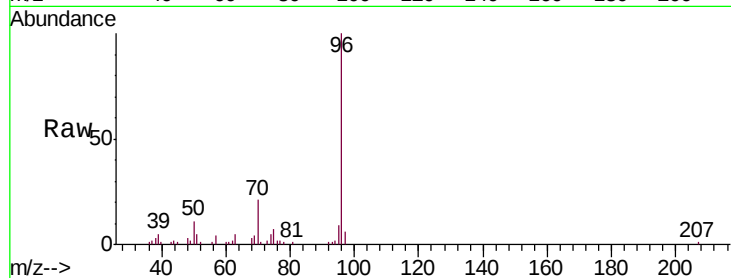
VSTDIC020

Tot Ion:	96	Resp:	40366
Ion	Ratio	Lower	Upper
96	100		
70	20.3	16.2	24.4
95	0.0	6.9	10.3
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 20.728 ug/l

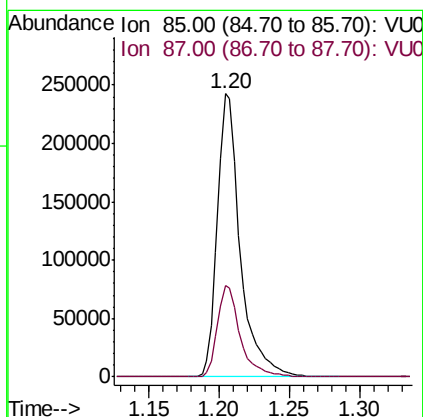
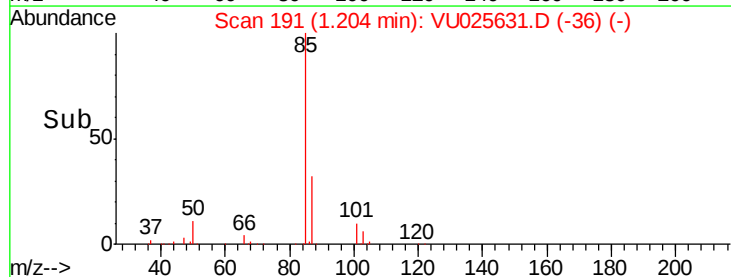
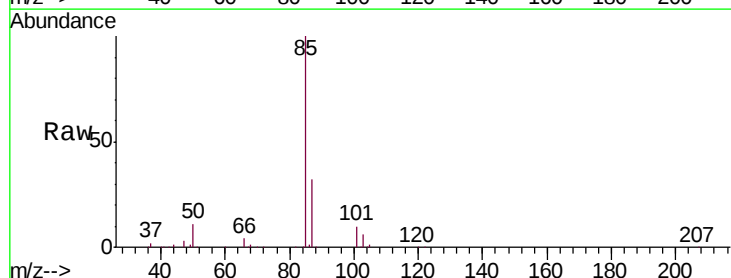
RT: 1.20 min Scan# 191

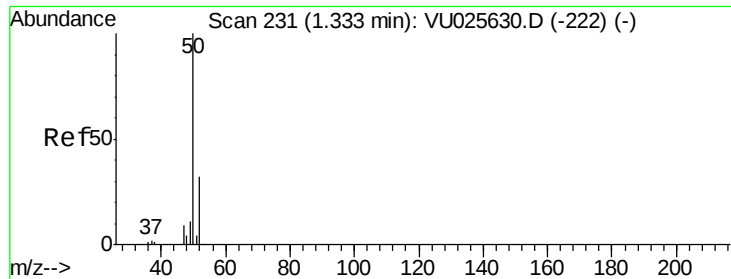
Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Tgt Ion:	85	Resp:	271665
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.2	48.5





#3

Chloromethane

Concen: 16.525 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 250949

Ion Ratio Lower Upper

50 100

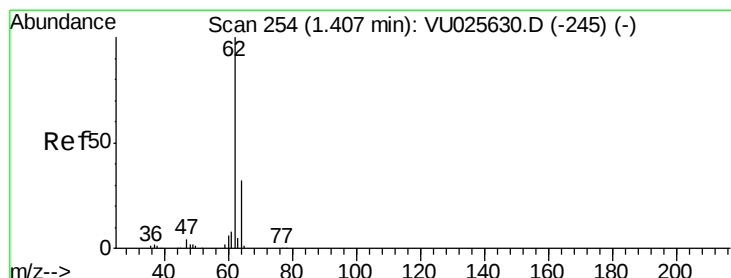
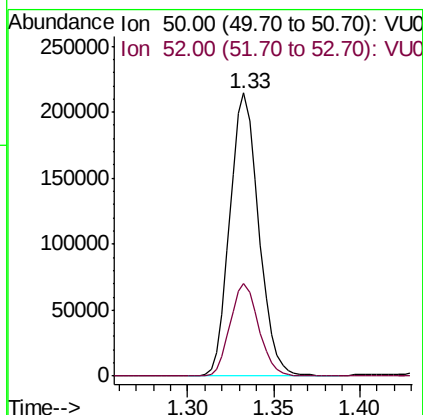
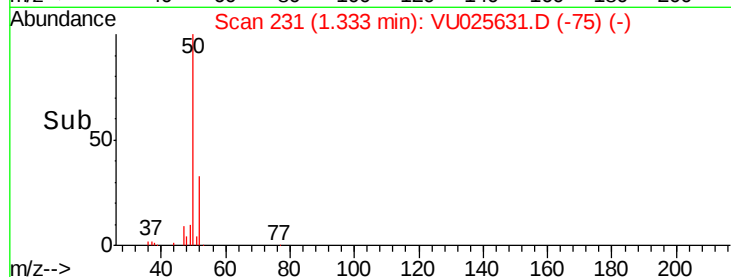
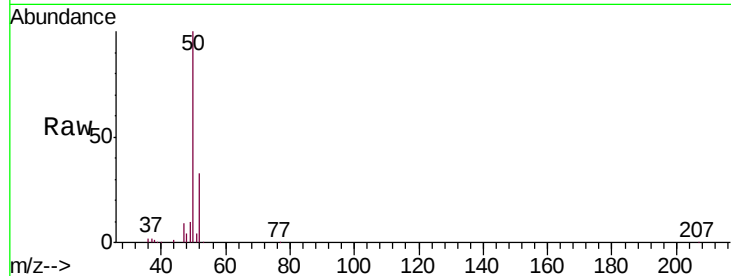
52 32.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 16.769 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025631.D

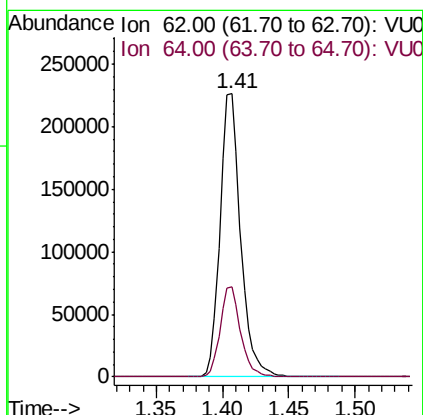
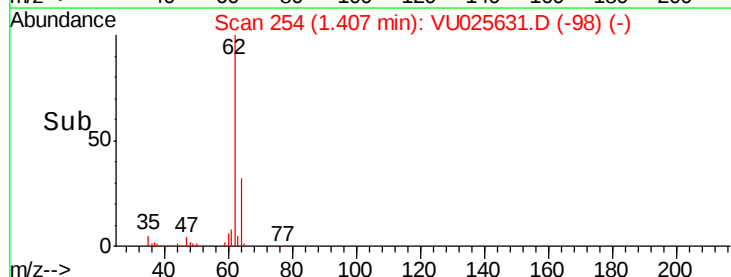
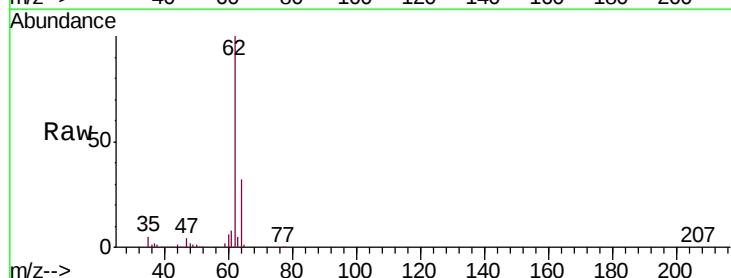
Acq: 25 Jul 2018 11:50

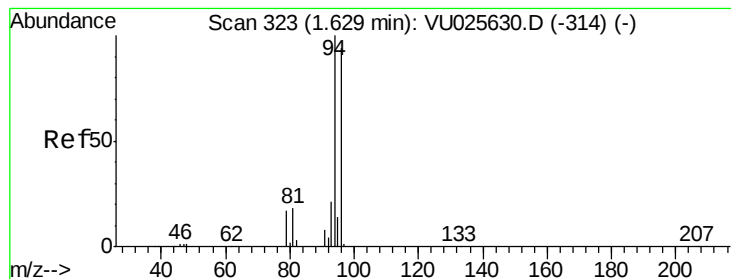
Tgt Ion: 62 Resp: 244294

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 15.422 ug/l

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 120115

Ion Ratio Lower Upper

94 100

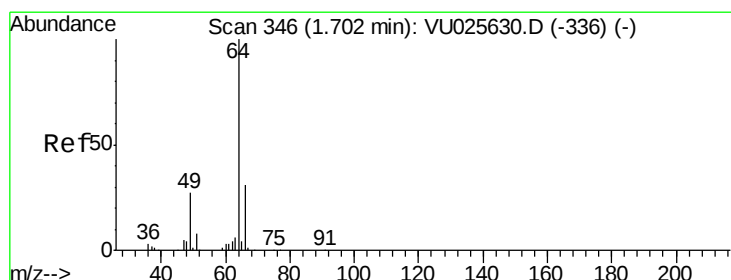
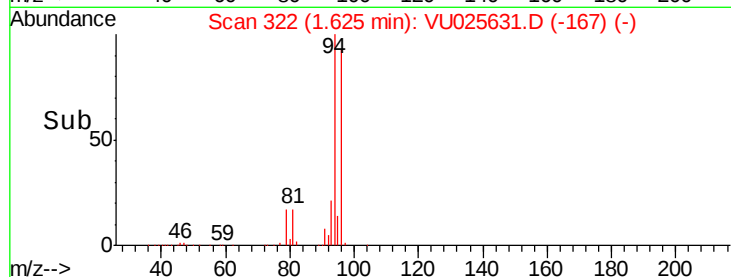
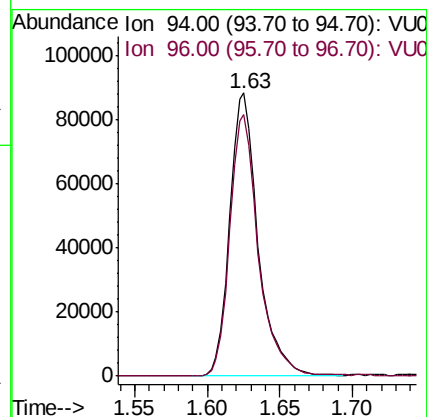
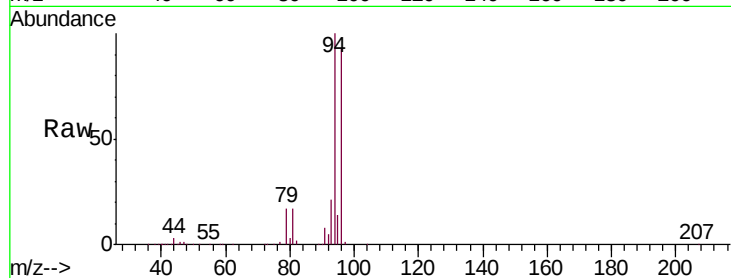
96 92.7 75.1 112.7

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#6

Chloroethane

Concen: 17.500 ug/l

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025631.D

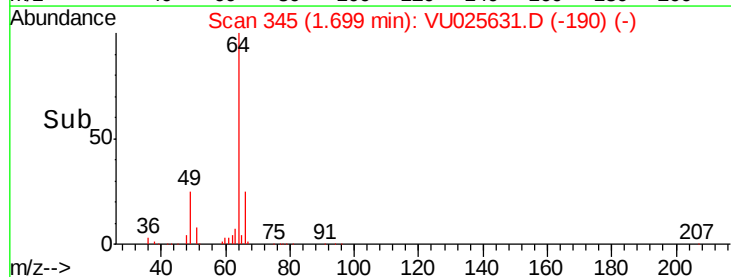
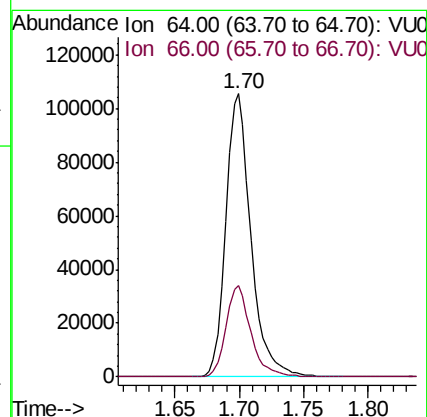
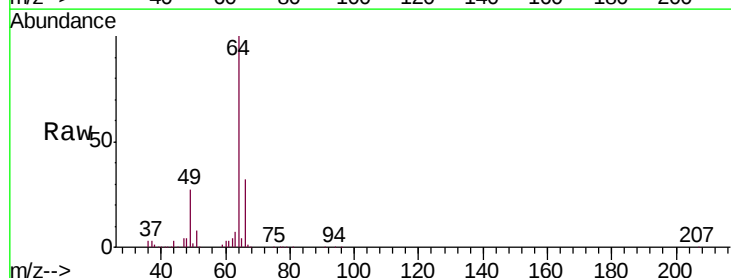
Acq: 25 Jul 2018 11:50

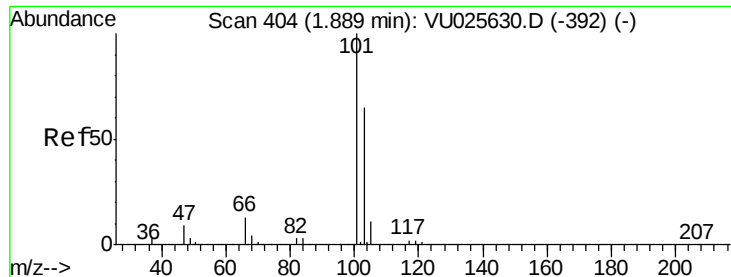
Tgt Ion: 64 Resp: 141911

Ion Ratio Lower Upper

64 100

66 32.2 24.9 37.3





#7

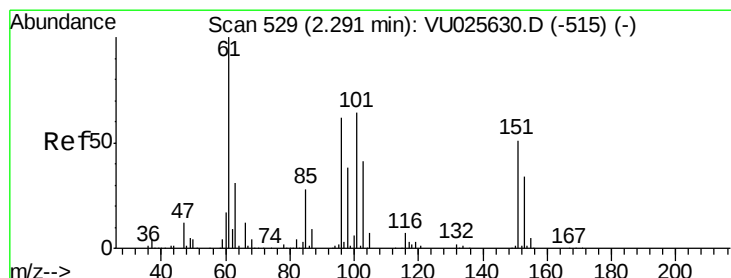
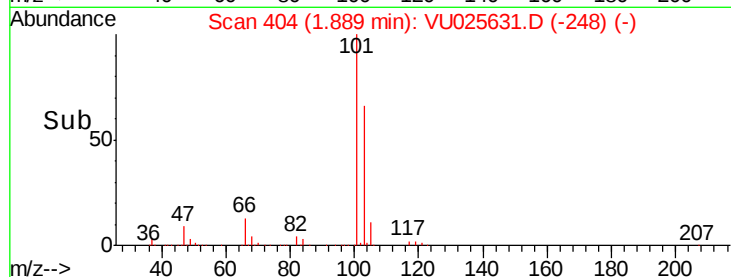
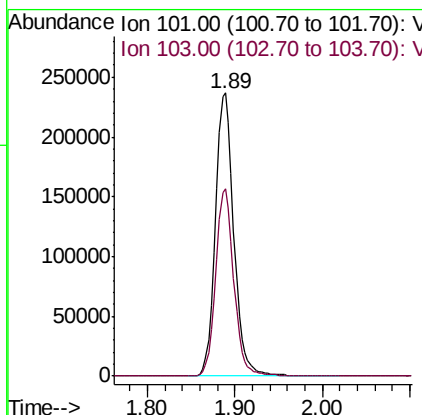
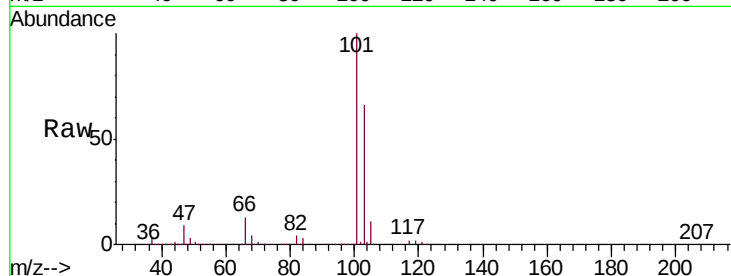
Trichlorofluoromethane
 Concen: 20.658 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU025631.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	345455		
103	66.3	51.4	77.0	

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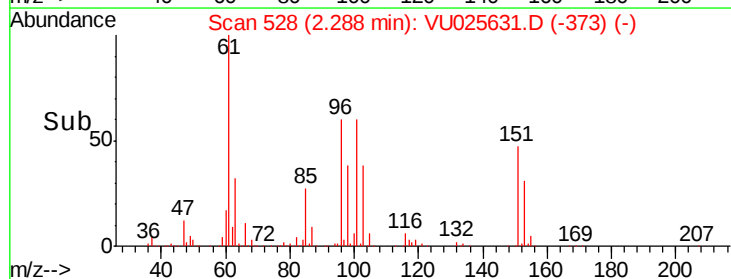
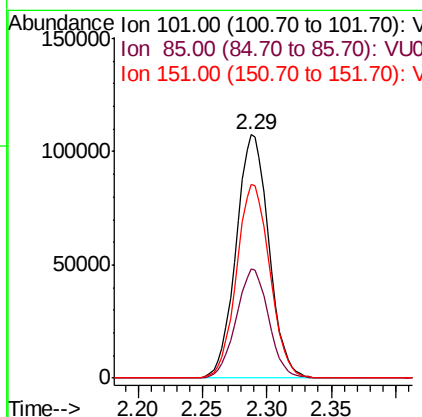
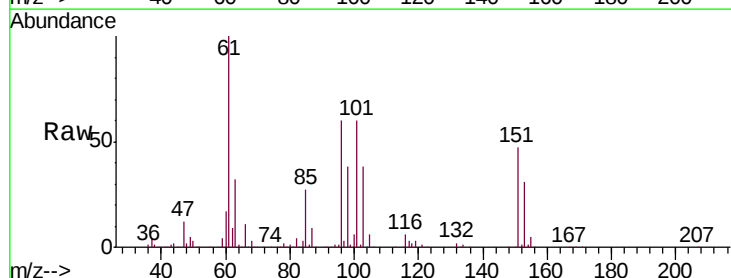
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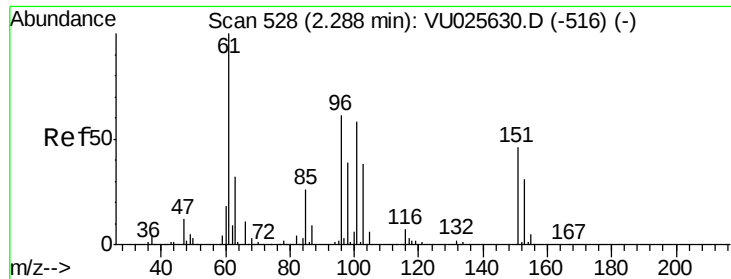


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 18.503 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	190090		
85	44.3	35.2	52.8	
151	81.0	63.5	95.3	





#9

1,1-Dichloroethene

Concen: 17.444 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

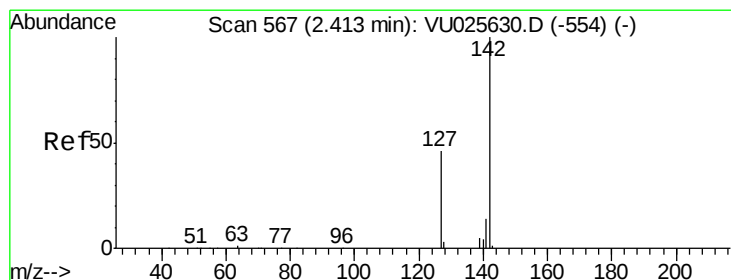
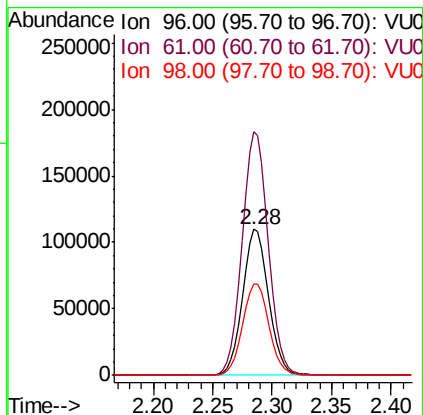
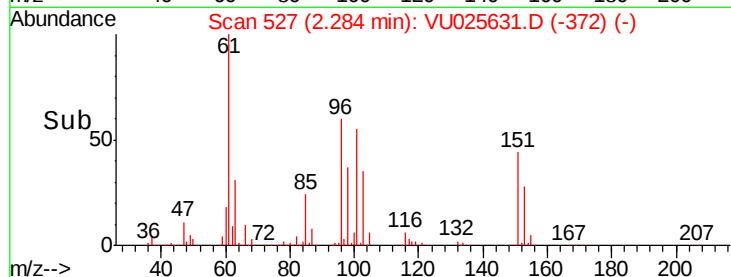
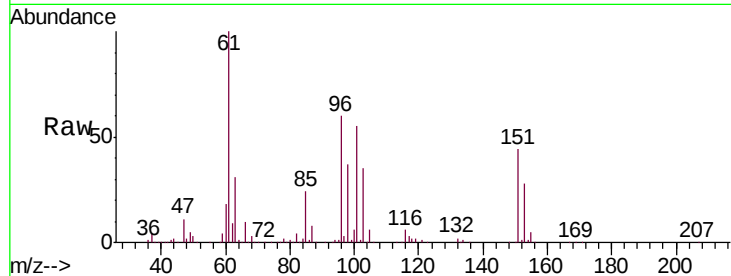
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	166390
Ion Ratio	Lower	Upper	
96	100		
61	166.7	0.0	526.5
98	62.1	0.0	123.4

Manual Integrations
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#10

Iodomethane

Concen: 16.286 ug/l

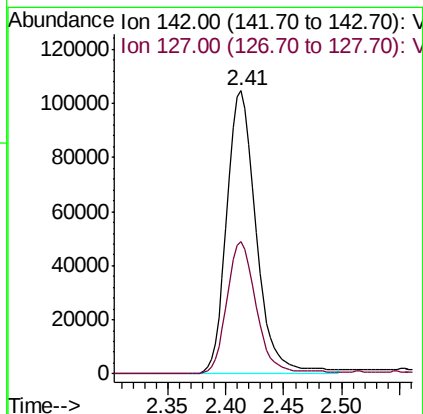
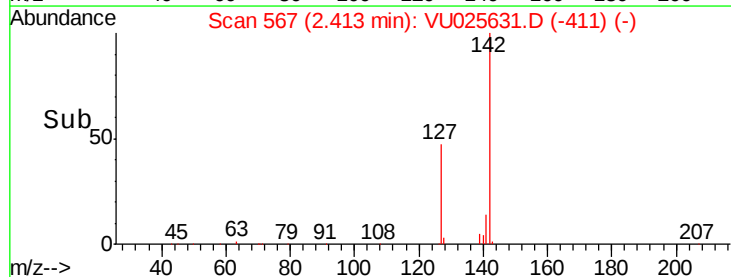
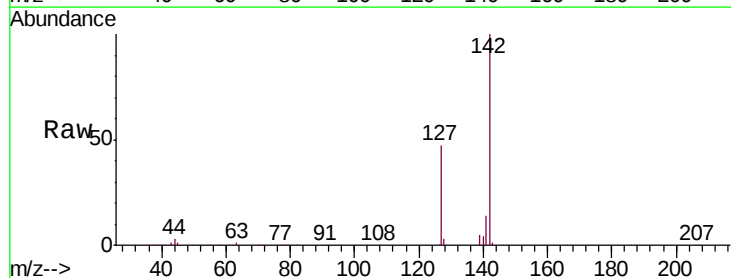
RT: 2.41 min Scan# 567

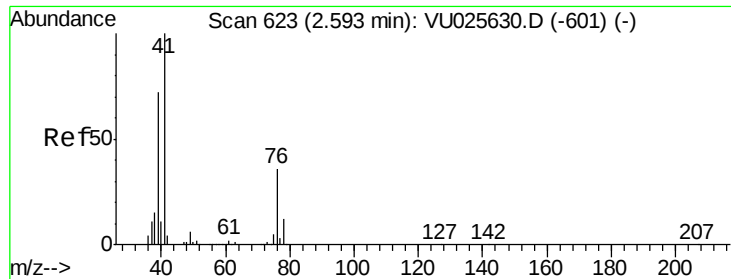
Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Tgt Ion:	142	Resp:	184710
Ion Ratio	Lower	Upper	
142	100		
127	46.7	34.5	51.7





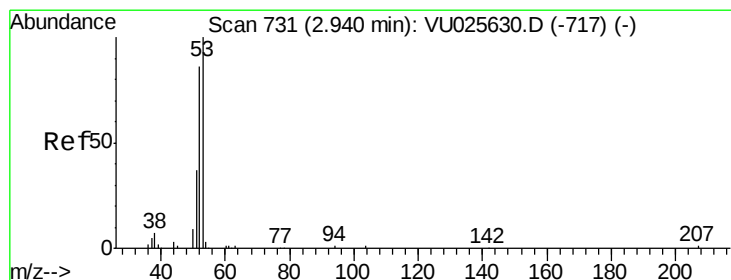
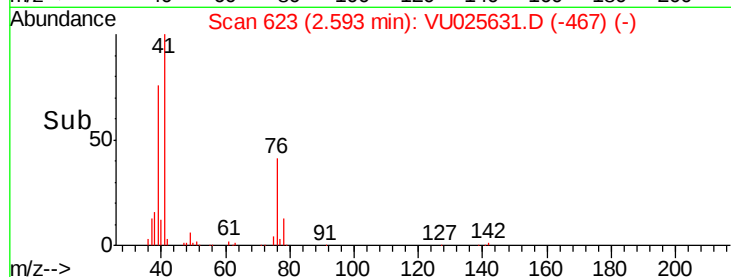
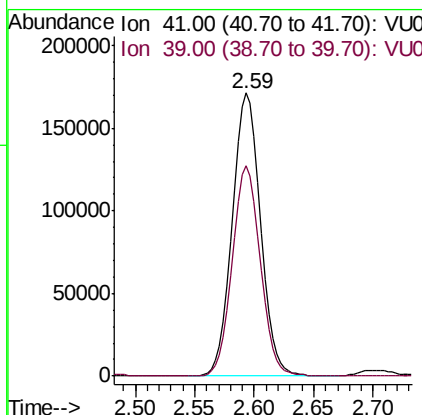
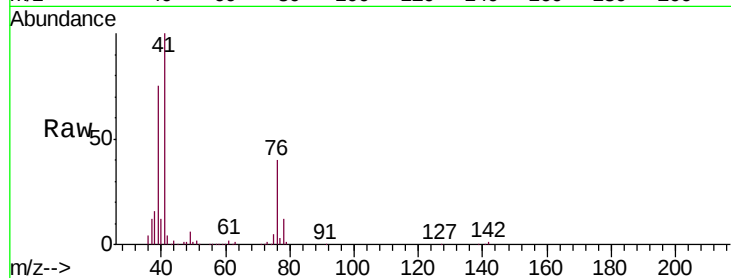
#11
Allvl Chloride
Concen: 15.983 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.1	51.4	77.2

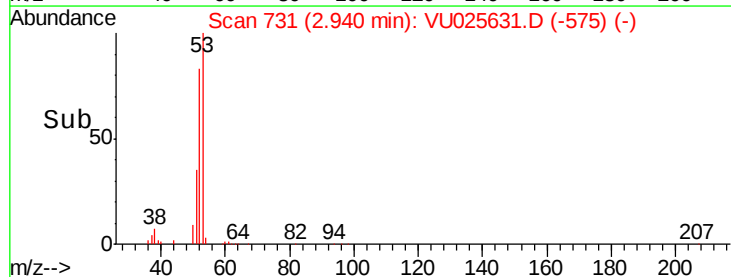
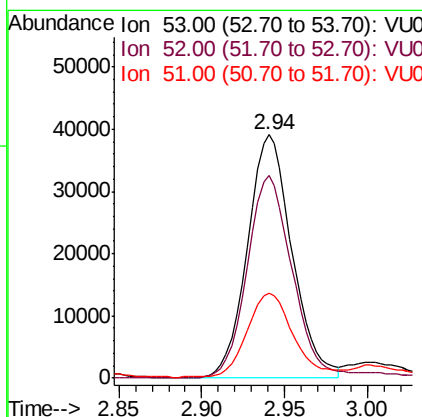
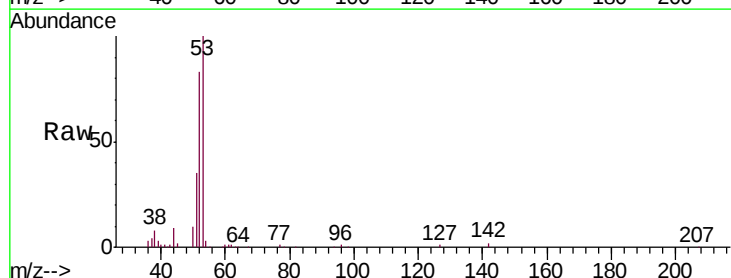
Manual Integrations
APPROVED

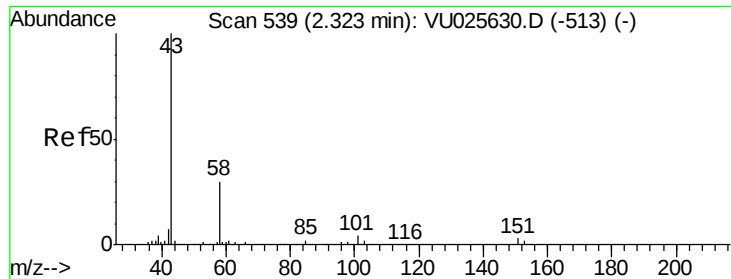
apatel
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#12
Acrylonitrile
Concen: 37.111 ug/l
RT: 2.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.1	97.7
51	35.4	30.2	45.4





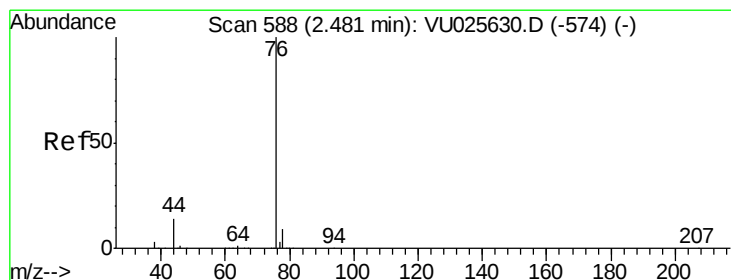
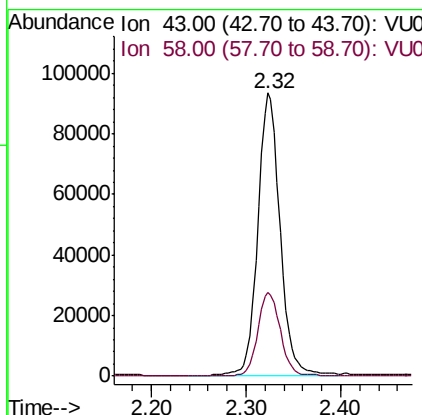
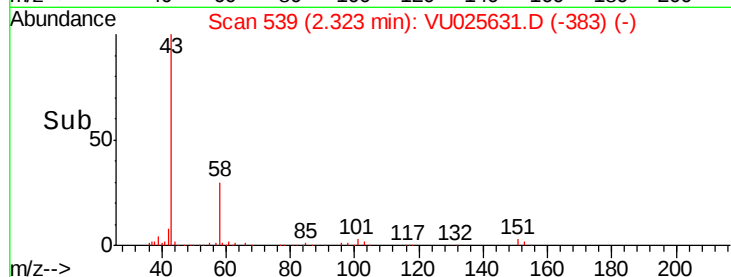
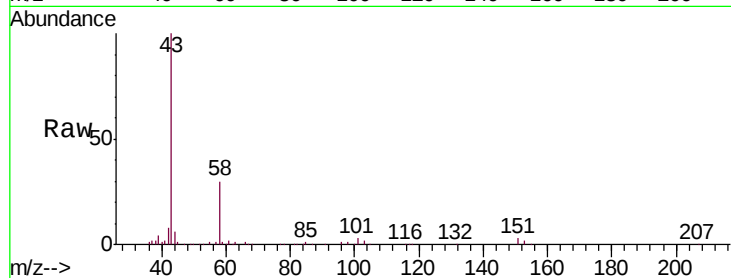
#13
Acetone
Concen: 91.389 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.8	26.0	39.0

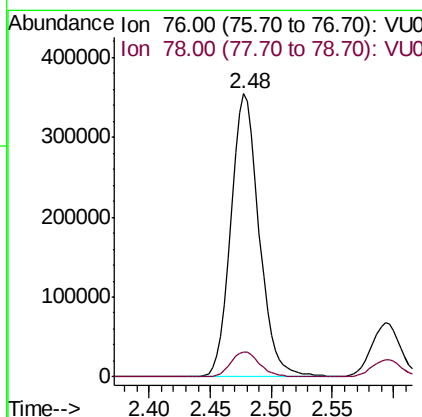
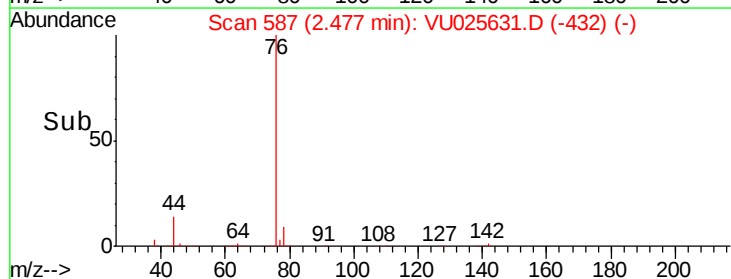
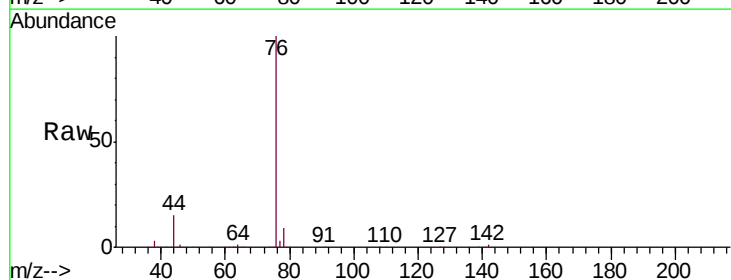
Manual Integrations
APPROVED

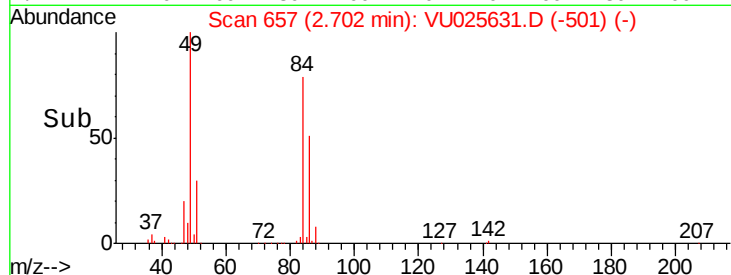
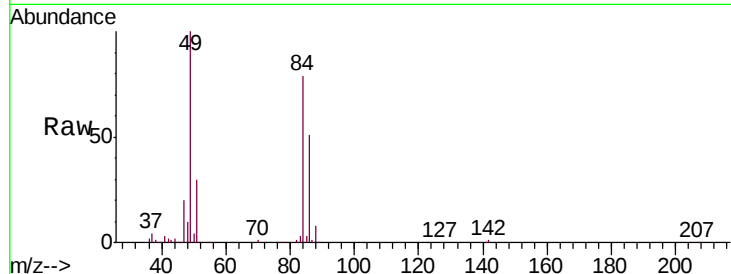
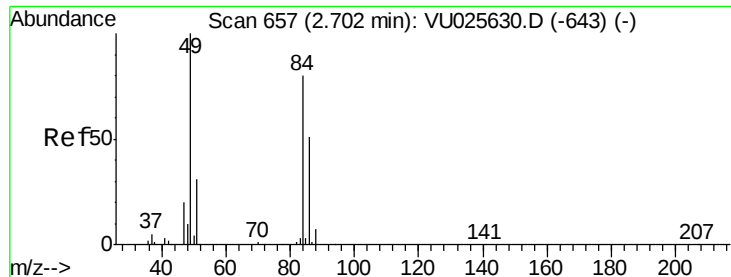
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#14
Carbon Disulfide
Concen: 18.294 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

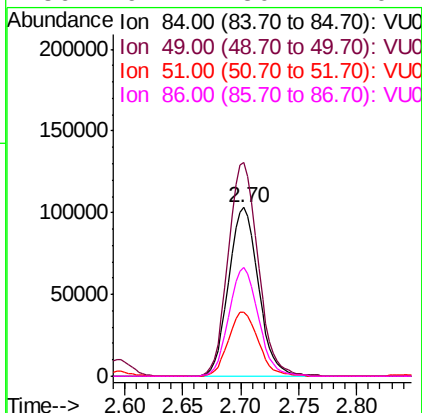
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9





#15
Methvlene Chloride
Concen: 16.907 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

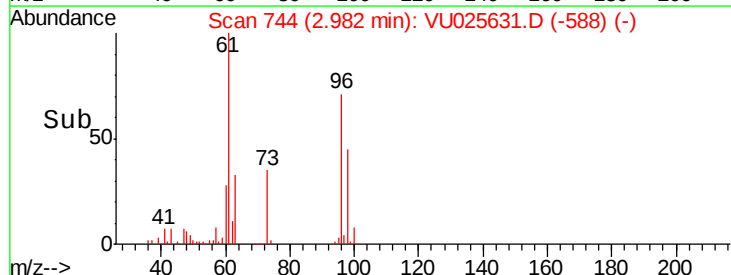
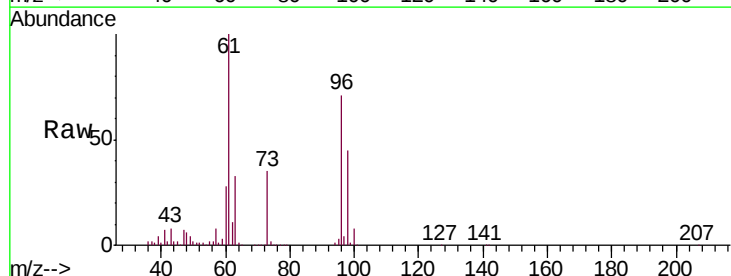
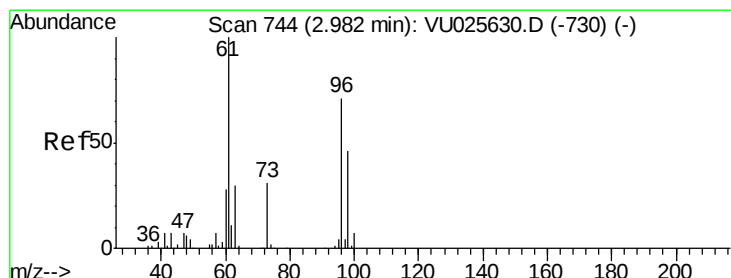
Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	126.8	108.7	163.1		
51	38.2	0.0	82.4		
86	64.2	50.7	76.1		



Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

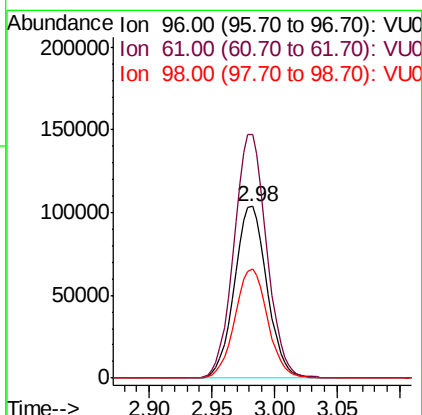
Manual Integrations
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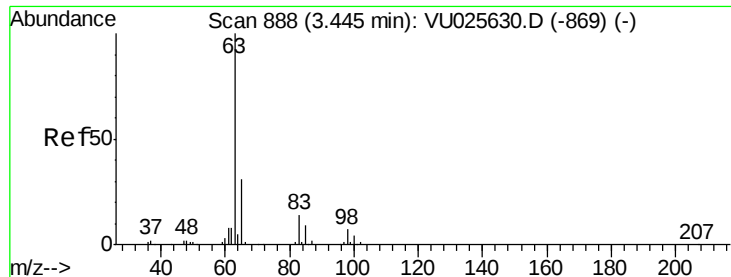
apatel
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#16
trans-1,2-Dichloroethene
Concen: 18.356 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	141.5	123.9	185.9		
98	63.5	50.6	76.0		





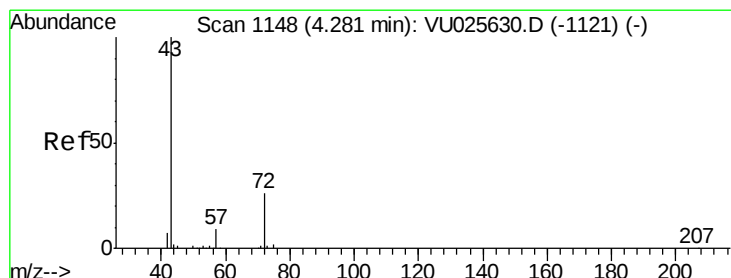
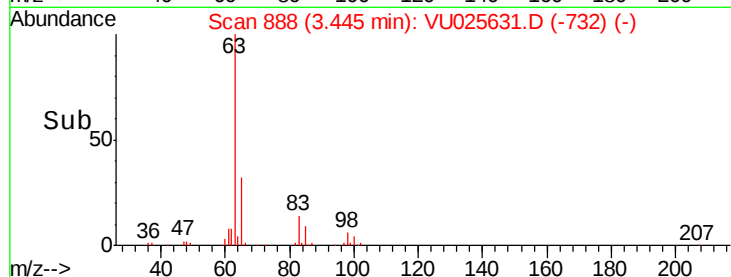
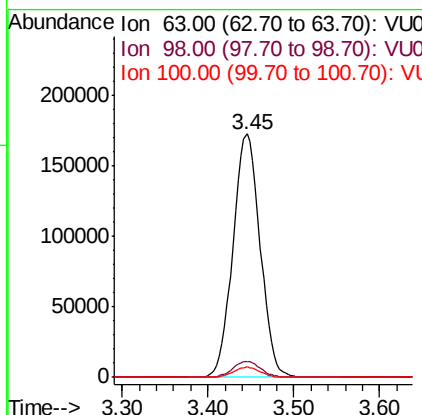
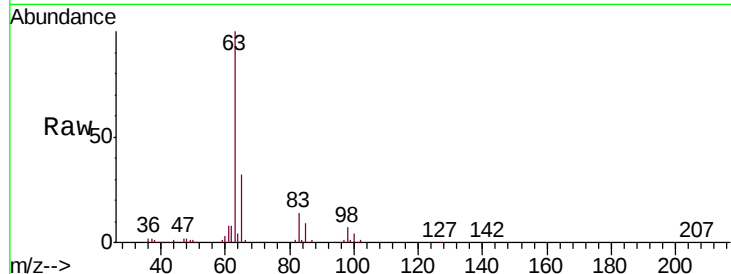
#17
 1,1-Dichloroethane
 Concen: 18.788 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	378194		
98	6.6	2.9	8.8	
100	4.1	2.0	5.8	

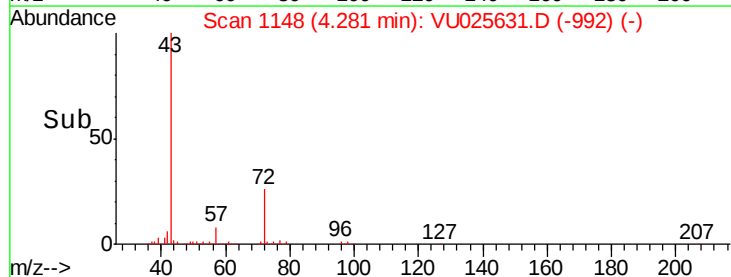
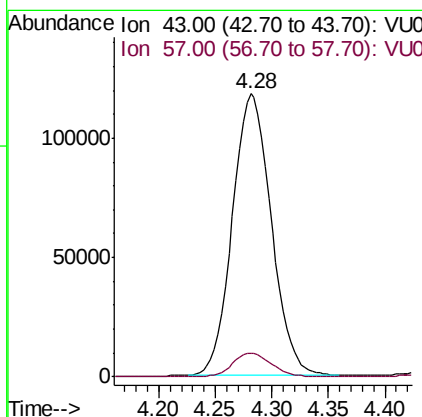
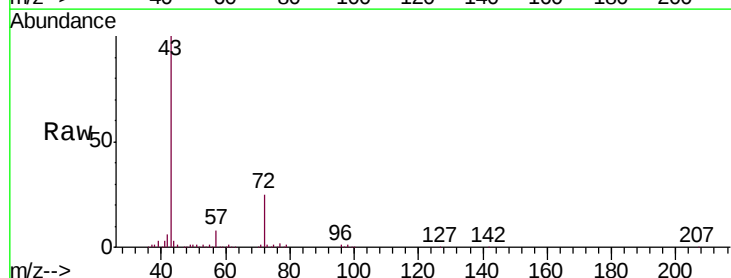
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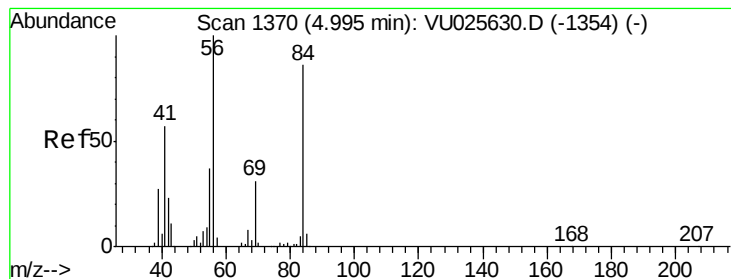
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#18
 2-Butanone
 Concen: 104.188 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	281255		
57	8.5	0.0	15.8	





#19

Cyclohexane

Concen: 17.843 ug/l

RT: 4.99 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampled :

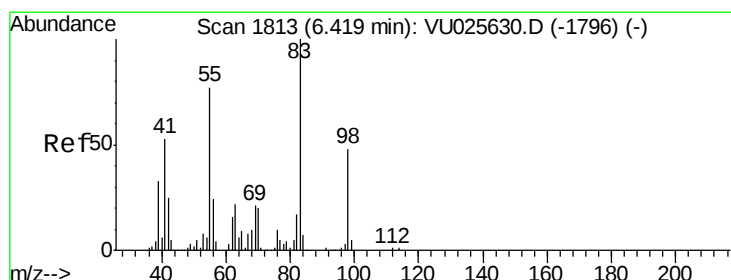
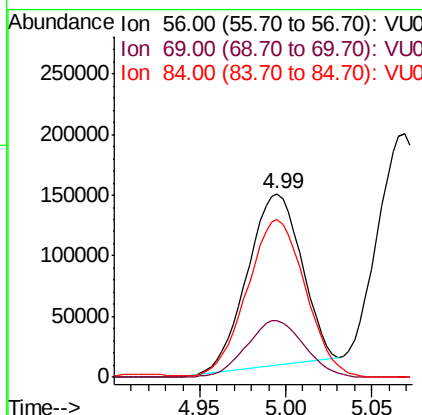
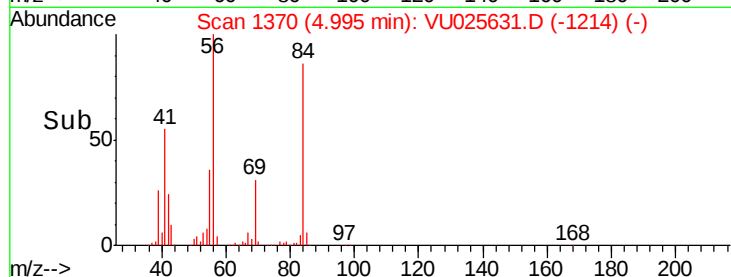
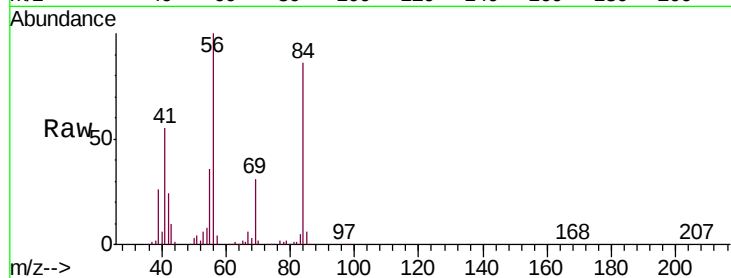
VSTDIC020

Tot Ion:	56	Resp:	310316
Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.0	39.0
84	98.1	68.3	102.5

Manual Integrations
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#20

Methylcyclohexane

Concen: 21.449 ug/l

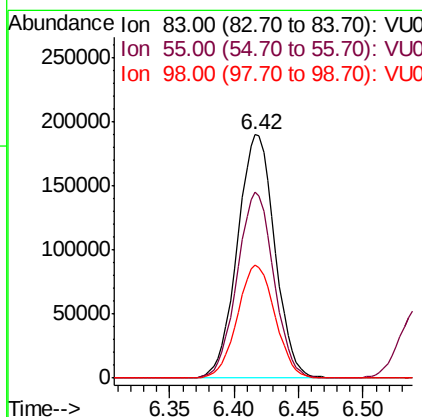
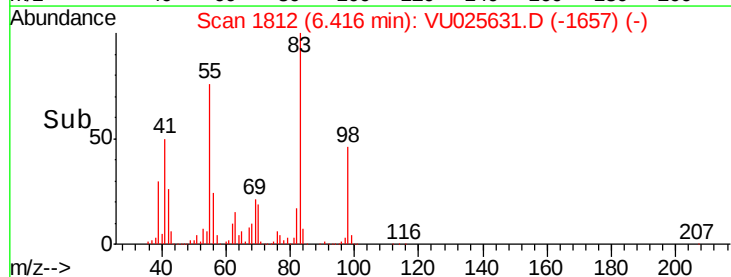
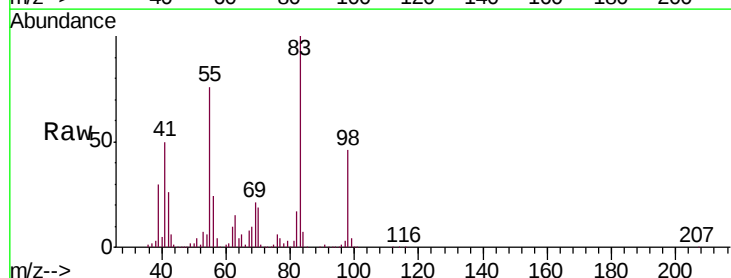
RT: 6.42 min Scan# 1812

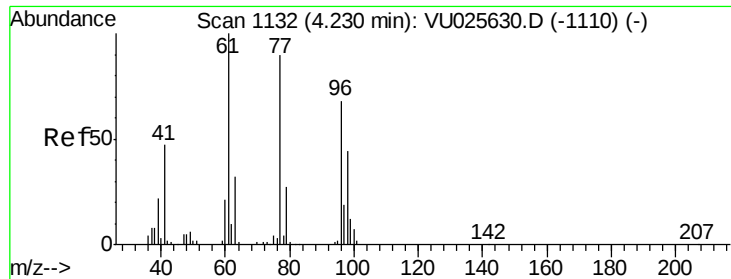
Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Tgt Ion:	83	Resp:	380579
Ion	Ratio	Lower	Upper
83	100		
55	74.9	66.4	99.6
98	46.8	35.4	53.2





#21

2,2-Dichloropropane

Concen: 21.029 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion: 77 Resp: 335670

Ion Ratio Lower Upper

77 100

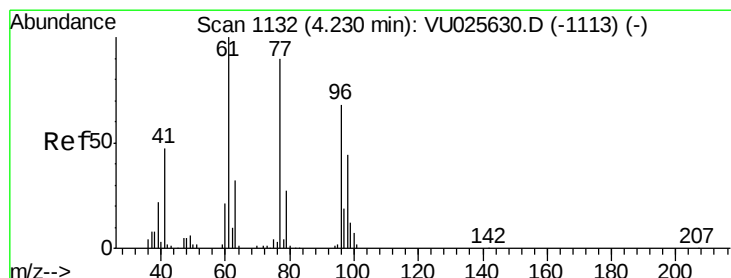
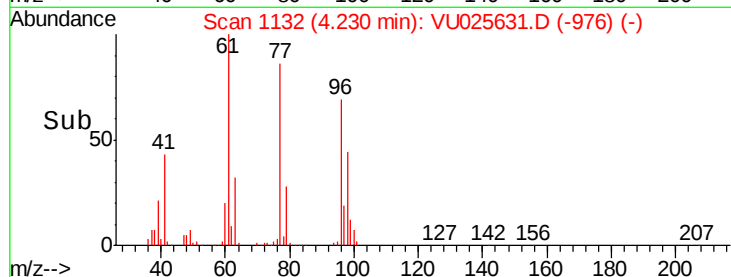
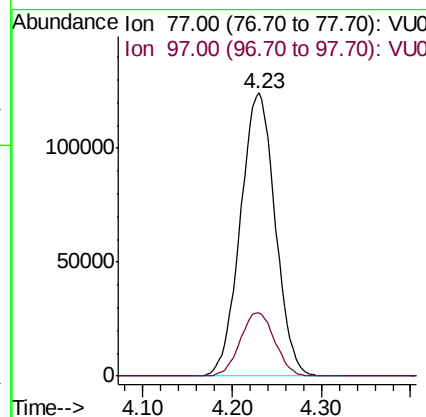
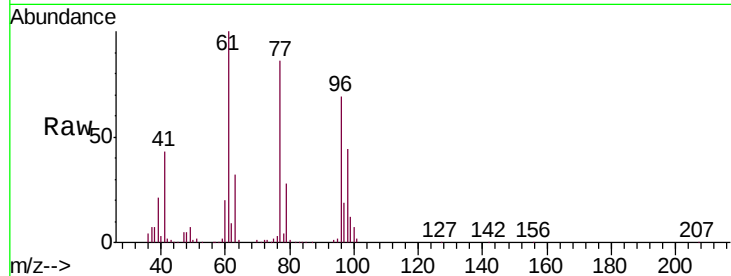
97 22.2 17.9 26.9

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 21.560 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

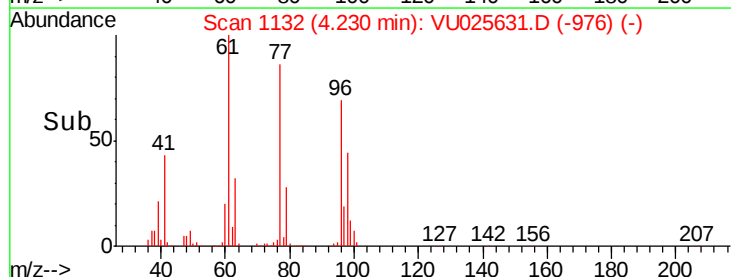
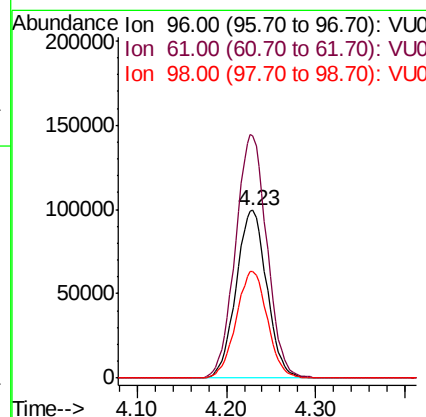
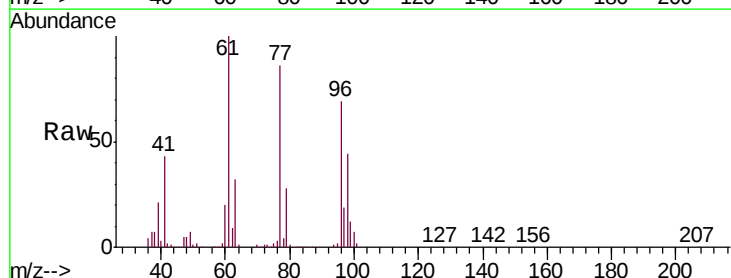
Tgt Ion: 96 Resp: 238424

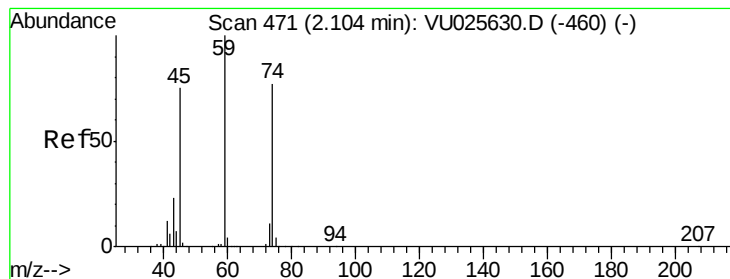
Ion Ratio Lower Upper

96 100

61 148.1 0.0 400.5

98 64.5 32.2 96.6





#23

Diethyl Ether

Concen: 16.347 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

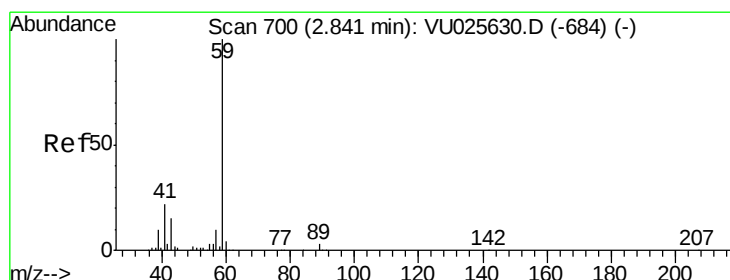
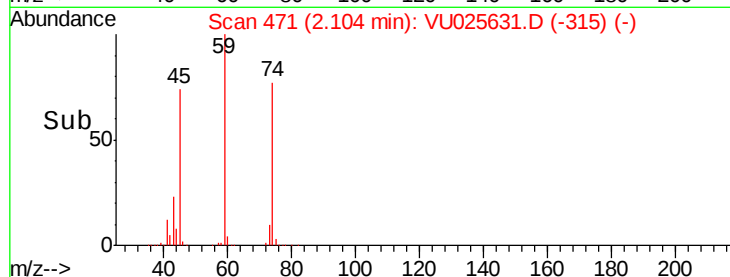
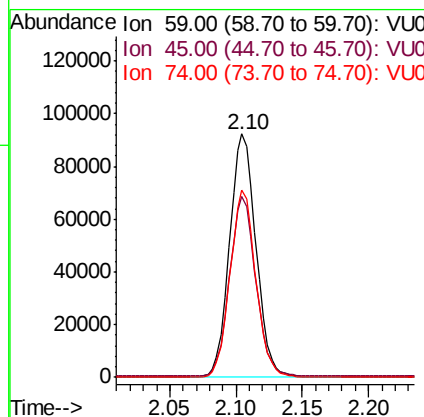
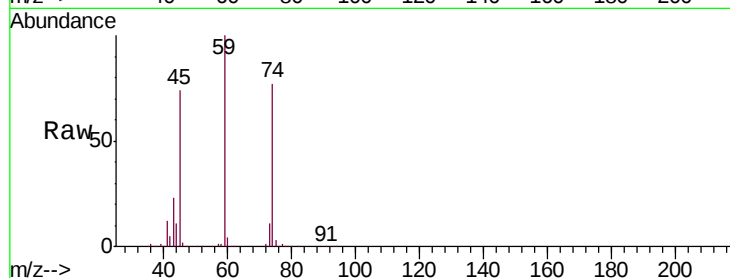
ClientSampleId :

VSTDIC020

Tot Ion:	59	Resp:	127473
Ion	Ratio	Lower	Upper
59	100		
45	73.0	60.0	90.0
74	75.2	56.5	84.7

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 237.105 ug/l

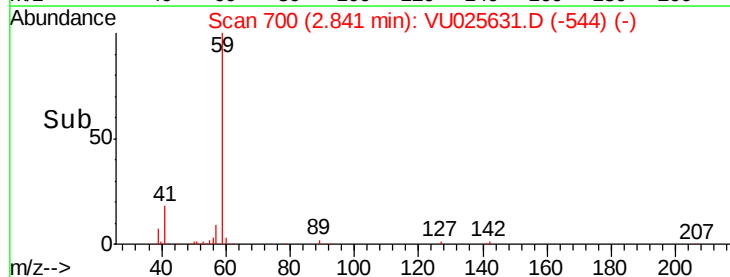
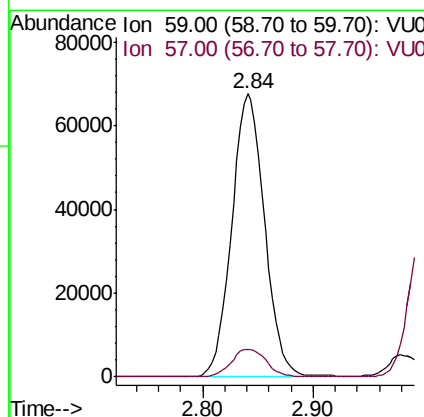
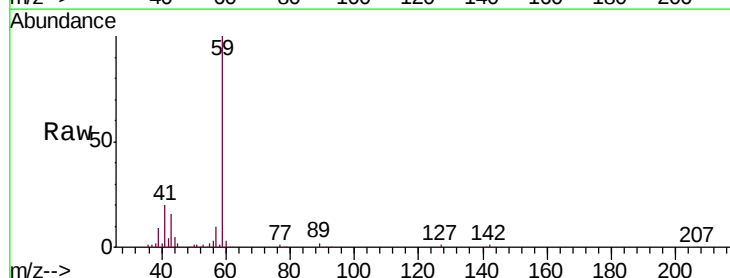
RT: 2.84 min Scan# 700

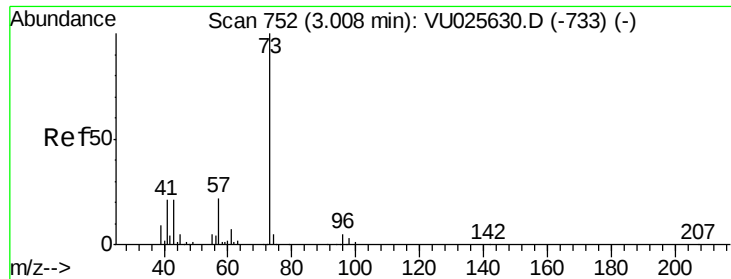
Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Tgt Ion:	59	Resp:	139418
Ion	Ratio	Lower	Upper
59	100		
57	10.5	3.4	5.2#





#25

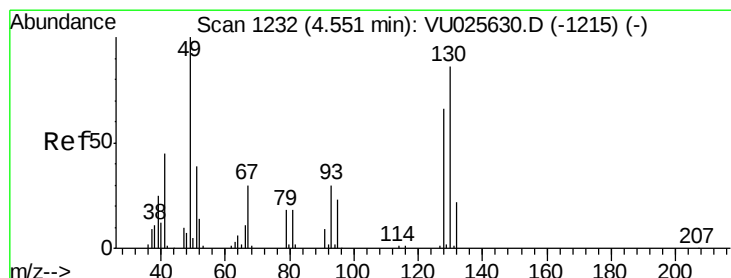
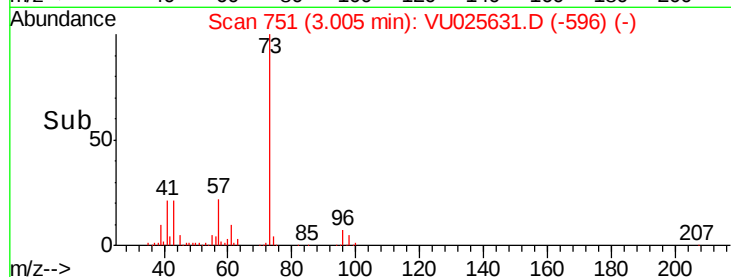
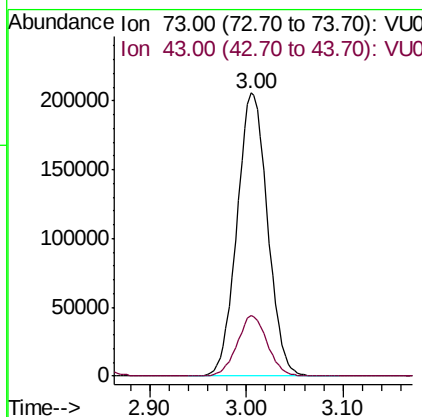
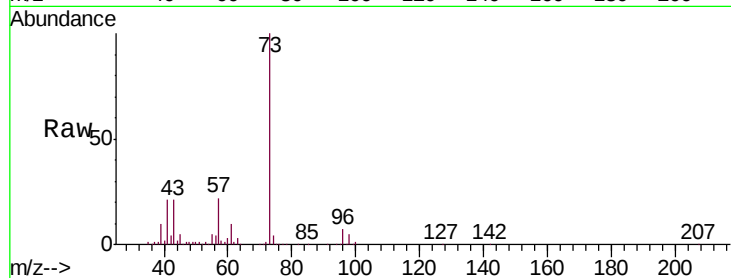
Methvl tert-Butvl Ether
Concen: 18.830 ug/l
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.7	16.2	24.2

Manual Integrations
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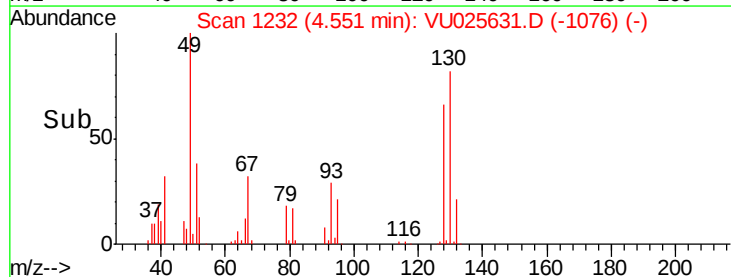
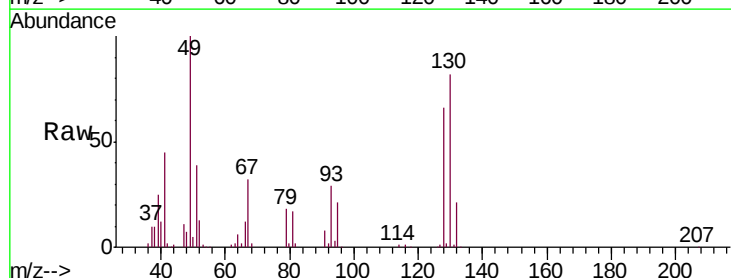
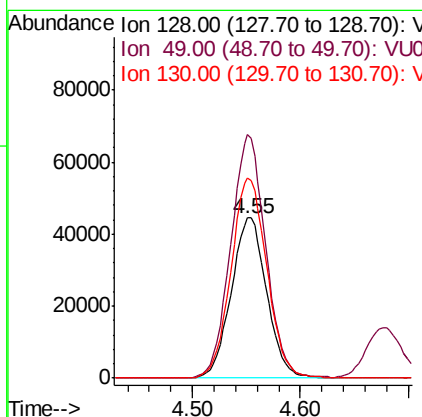
apatel
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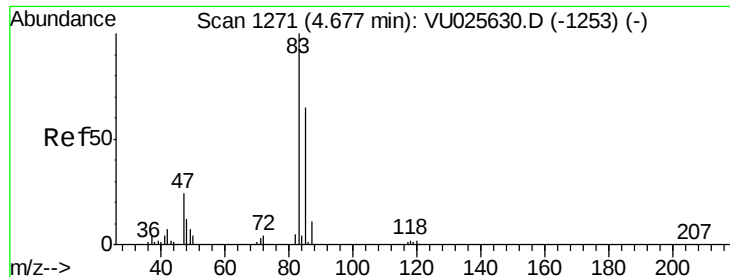


#26

Bromochloromethane
Concen: 23.361 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	149.3	0.0	375.2
130	126.6	105.8	158.6





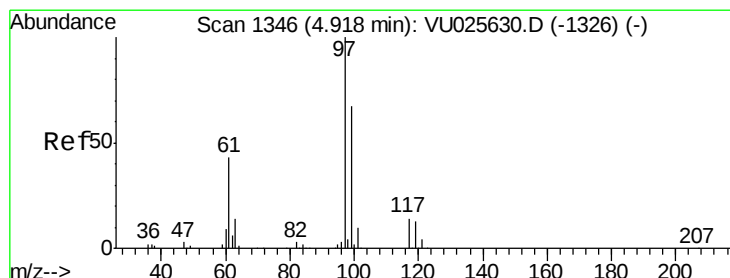
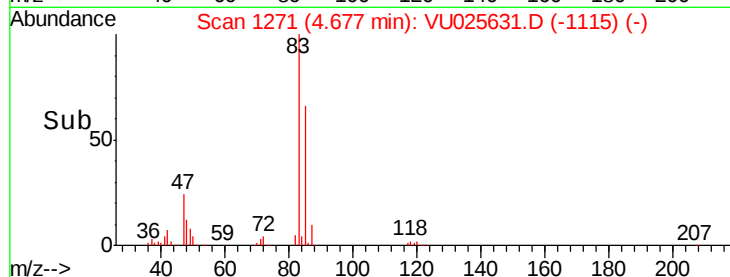
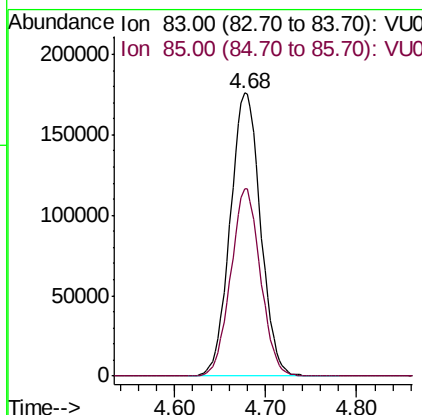
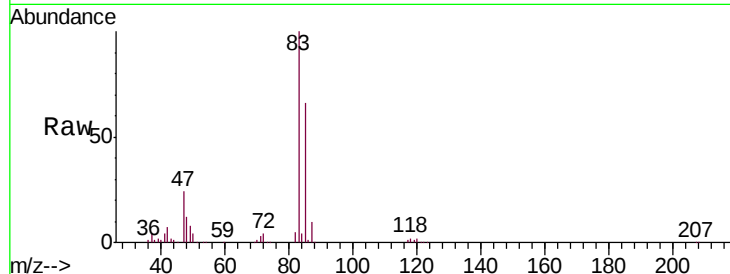
#27
Chloroform
Concen: 21.438 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	406396
Ion Ratio	100	Lower	Upper
85	66.4	0.0	128.4

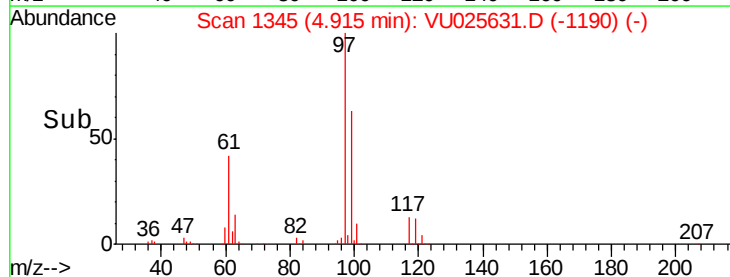
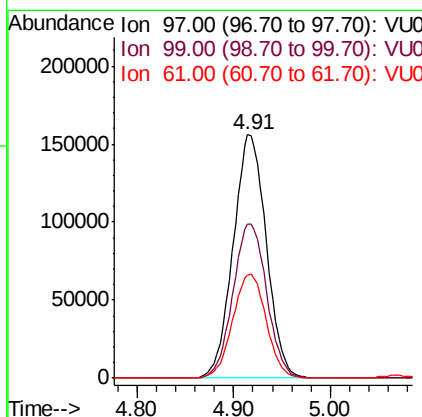
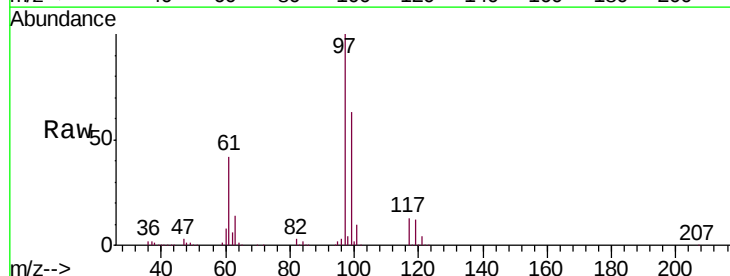
Manual Integrations
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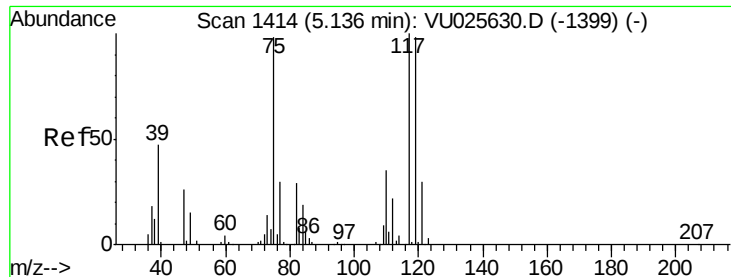
apatel
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#28
1,1,1-Trichloroethane
Concen: 23.863 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	97	Resp	371085
Ion Ratio	100	Lower	Upper
99	64.7	32.3	96.9
61	43.2	23.2	69.5





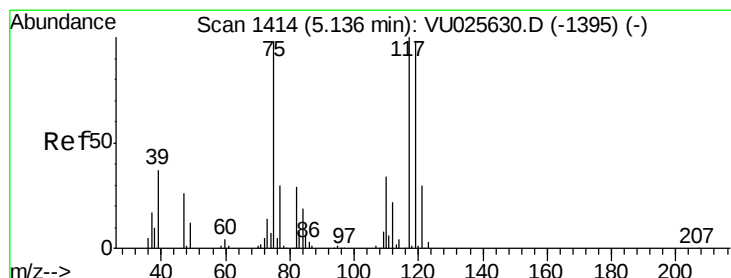
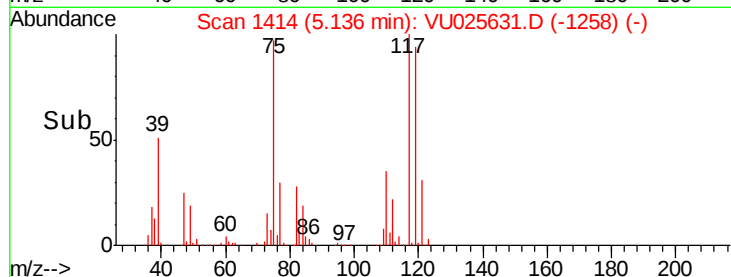
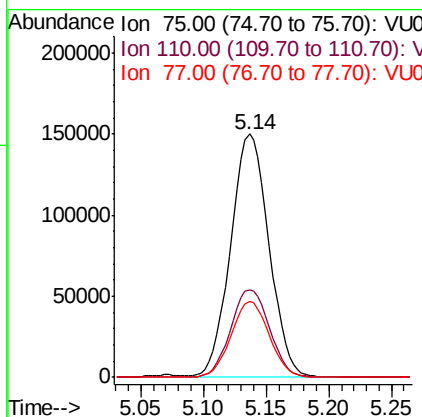
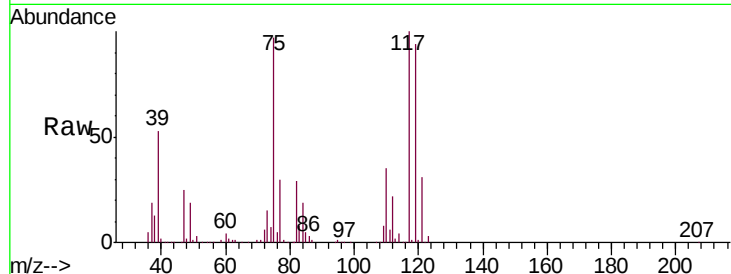
#29
 1,1-Dichloropropene
 Concen: 20.774 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	16.9	50.7	
77	31.1	24.8	37.2	

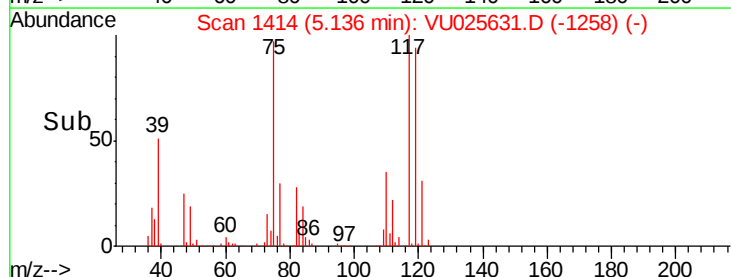
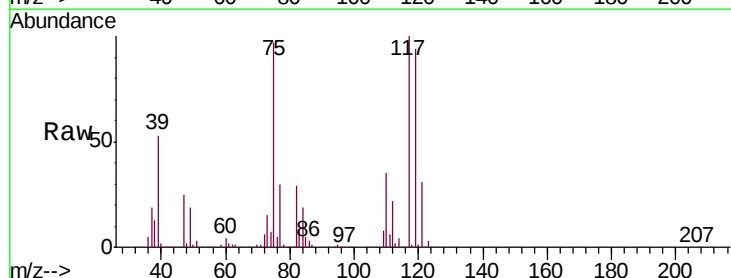
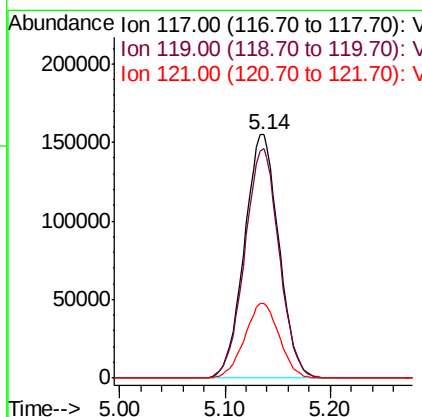
Manual Integrations
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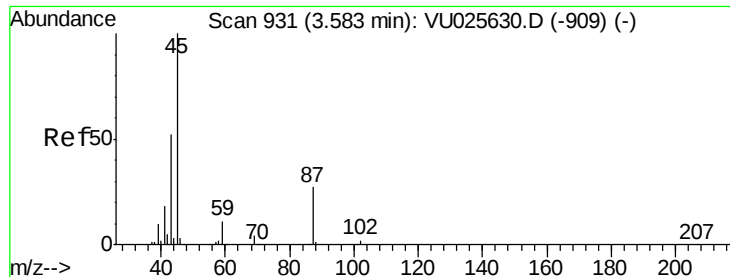
apatel
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#30
 Carbon Tetrachloride
 Concen: 26.942 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.2	77.3	115.9	
121	30.9	24.5	36.7	





#31

Isopropyl Ether

Concen: 17.873 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 45 Resp: 607273

Ion Ratio Lower Upper

45 100

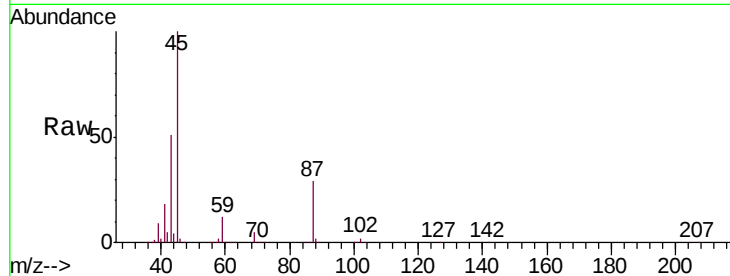
43 51.2 24.0 72.0

Manual Integrations

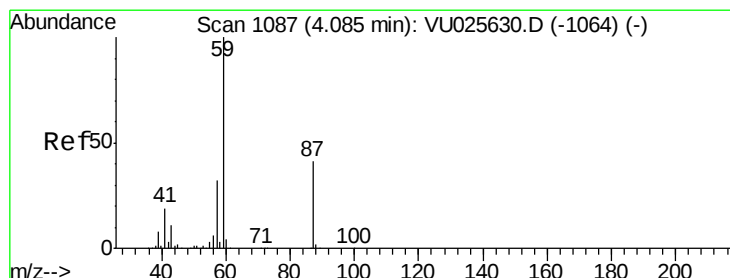
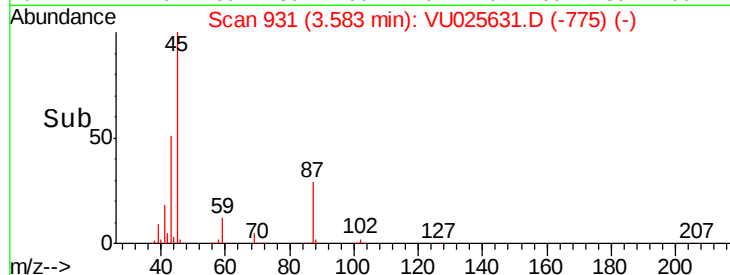
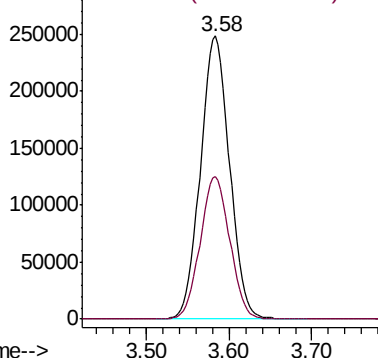
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Abundance Ion 45.00 (44.70 to 45.70): VU025631.D (-909) (-)



#32

Ethyl-t-butyl ether

Concen: 20.238 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU025631.D

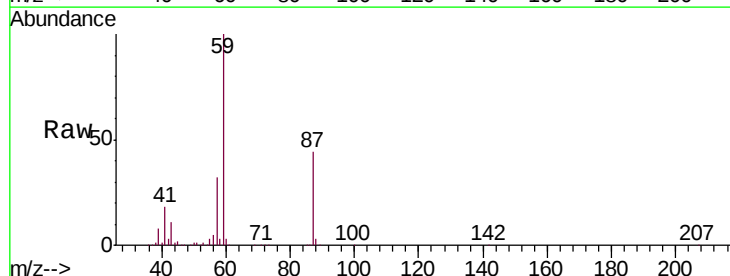
Acq: 25 Jul 2018 11:50

Tgt Ion: 59 Resp: 587568

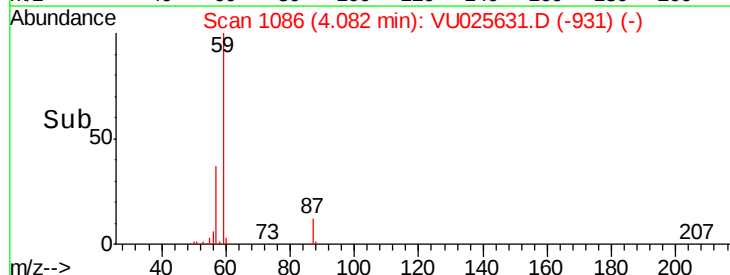
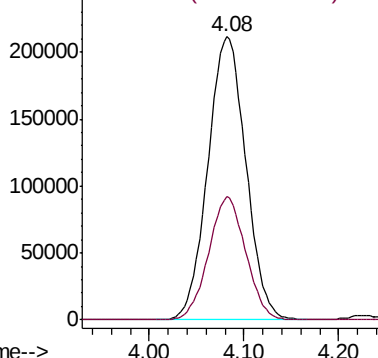
Ion Ratio Lower Upper

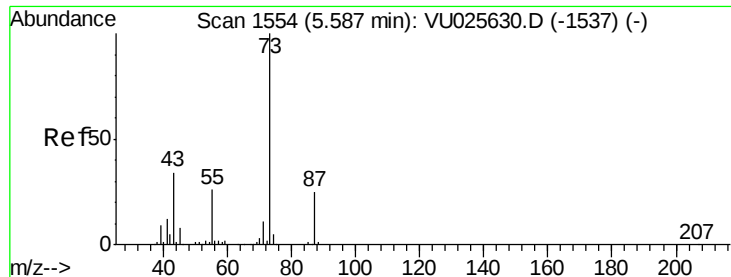
59 100

87 42.7 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU025631.D (-1064) (-)





#33

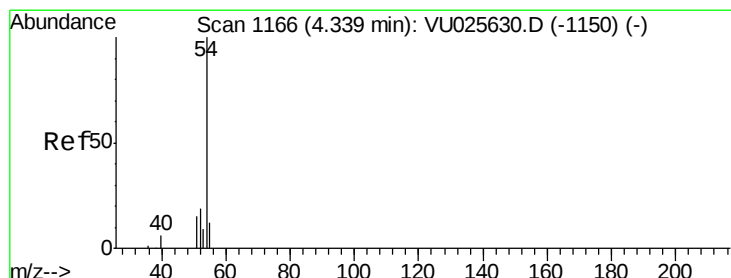
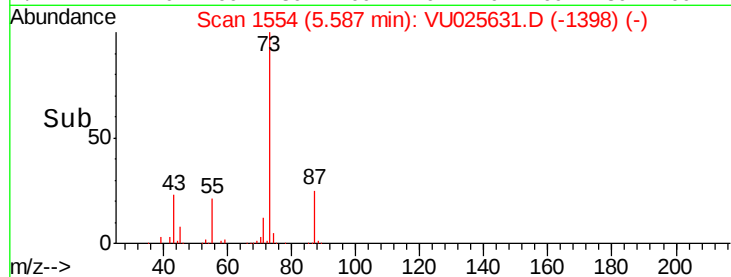
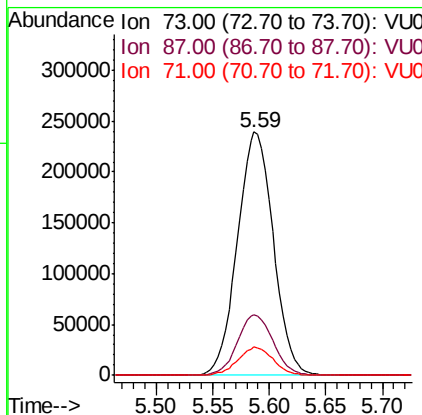
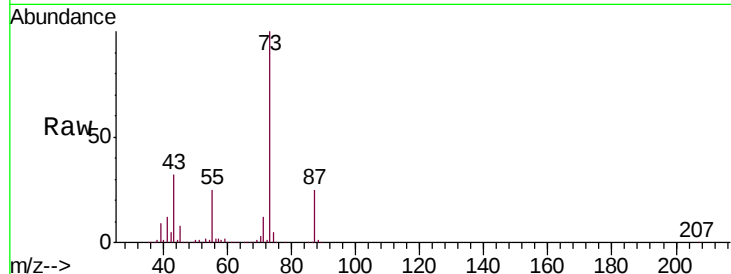
Tert-Butyl methyl ether
 Concen: 21.473 ug/l
 RT: 5.59 min Scan# 1554
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.8	18.6	28.0
71	11.4	9.3	13.9

Manual Integrations
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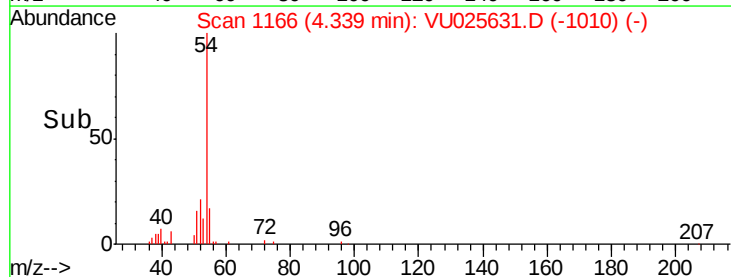
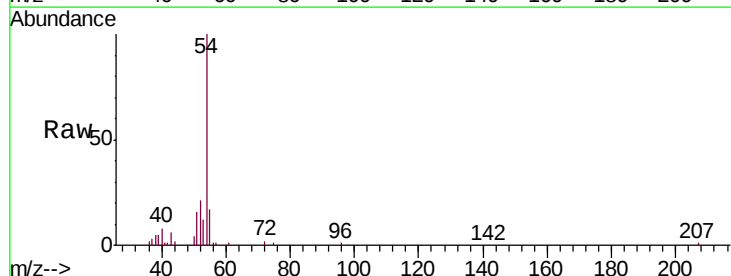
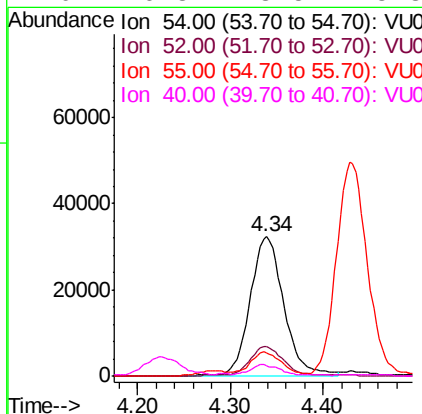
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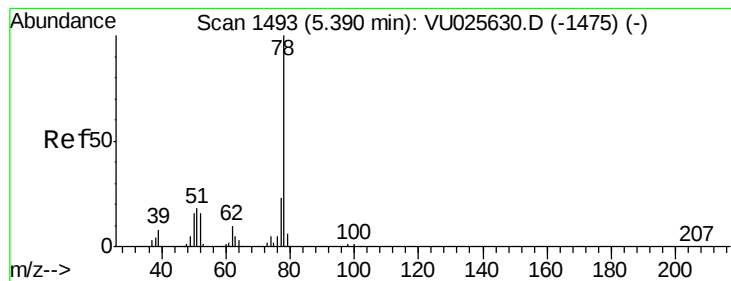


#34

Propionitrile
 Concen: 106.679 ug/l
 RT: 4.34 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.6	13.7	20.5
55	16.1	10.2	15.2#
40	6.8	3.5	5.3#





#35

Benzene

Concen: 19.154 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 868629

Ion Ratio Lower Upper

78 100

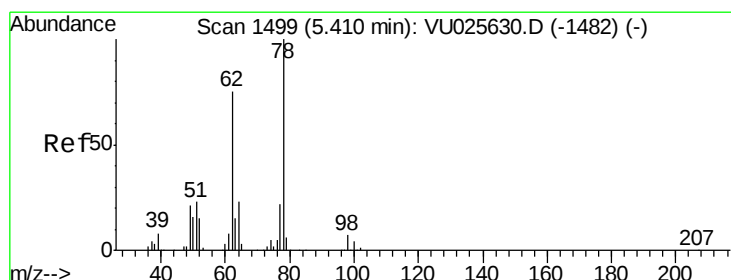
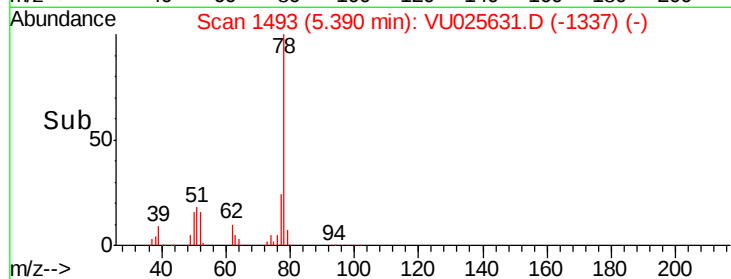
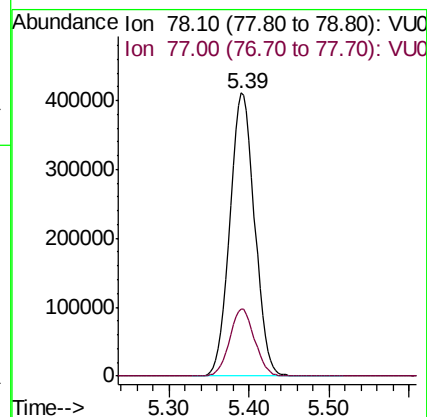
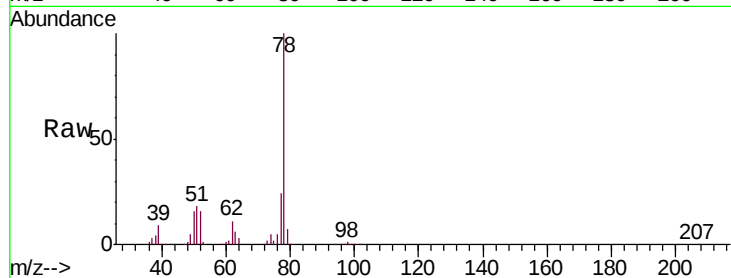
77 23.9 19.1 28.7

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 20.714 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025631.D

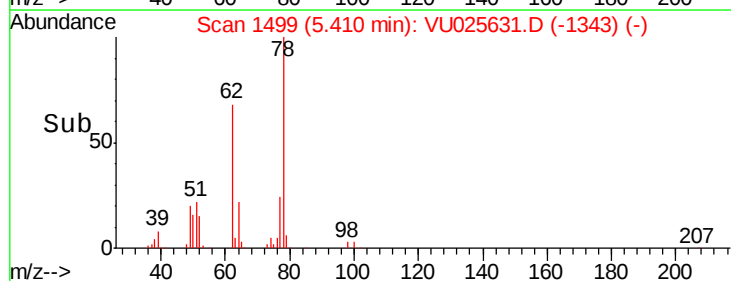
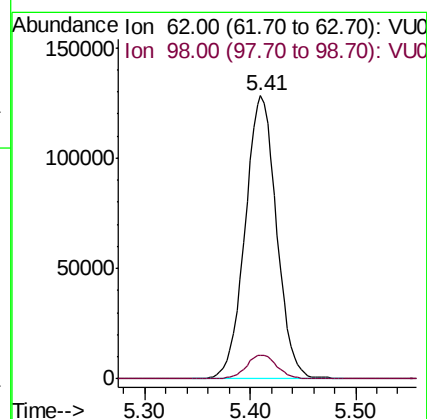
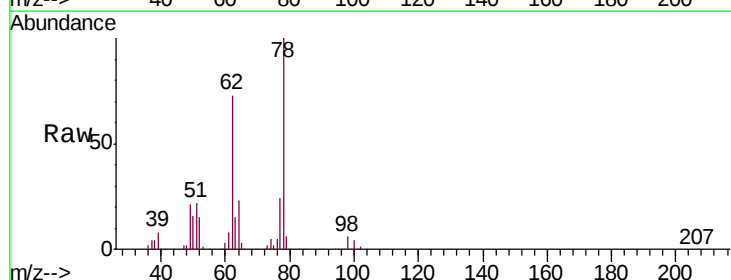
Acq: 25 Jul 2018 11:50

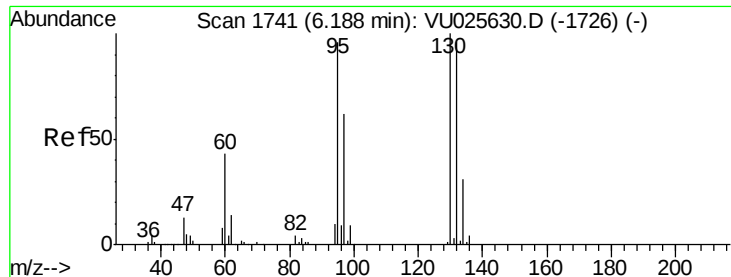
Tgt Ion: 62 Resp: 265674

Ion Ratio Lower Upper

62 100

98 8.3 7.2 10.8





#37

Trichloroethene

Concen: 20.812 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:130 Resp: 253362

Ion Ratio Lower Upper

130 100

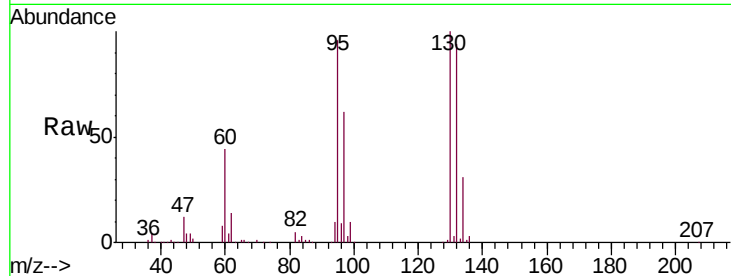
95 96.4 77.9 116.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VU025630.D (-1726) (-)

Ion 94.90 (94.60 to 95.60): VU025630.D (-1726) (-)

6.19

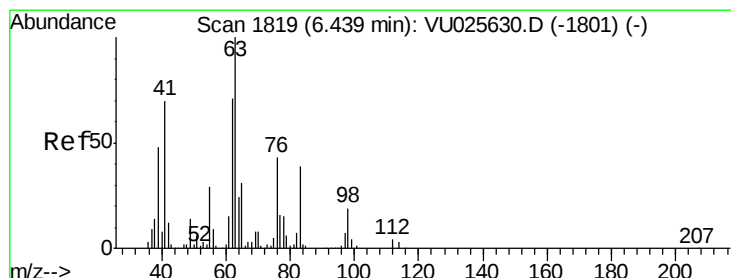
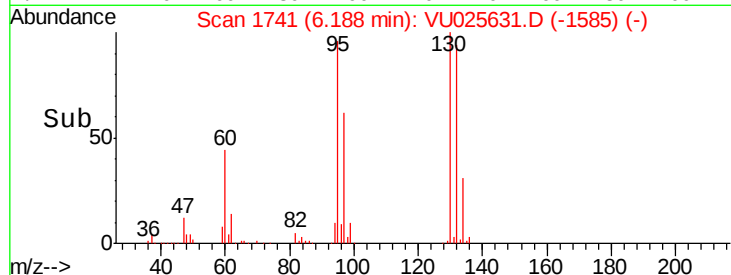
150000

100000

50000

0

Time-->



#38

1,2-Dichloropropane

Concen: 18.010 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025631.D

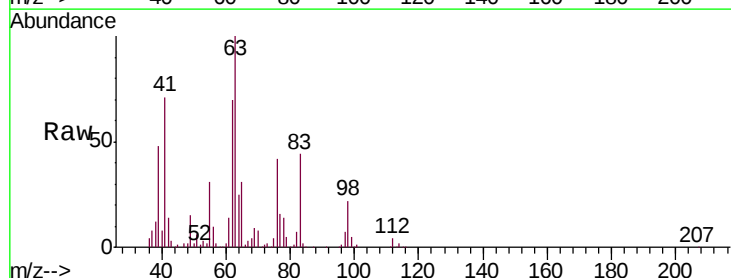
Acq: 25 Jul 2018 11:50

Tgt Ion: 63 Resp: 224005

Ion Ratio Lower Upper

63 100

65 31.2 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU025630.D (-1801) (-)

Ion 65.00 (64.70 to 65.70): VU025630.D (-1801) (-)

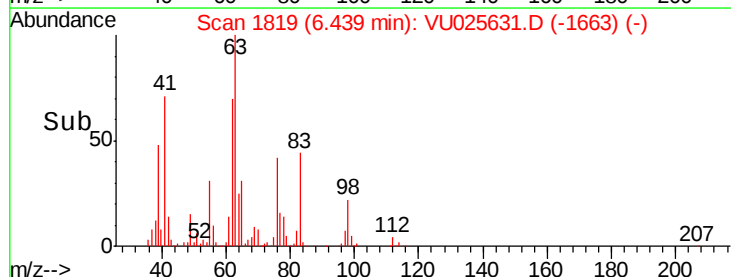
6.44

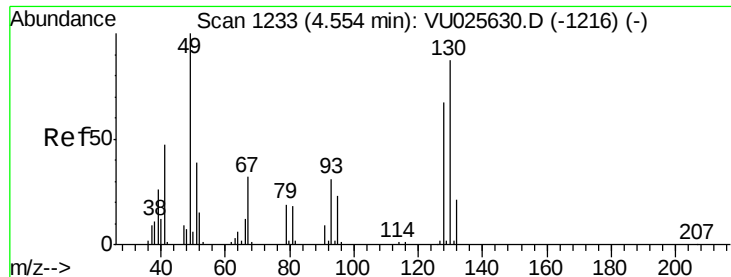
100000

50000

0

Time-->





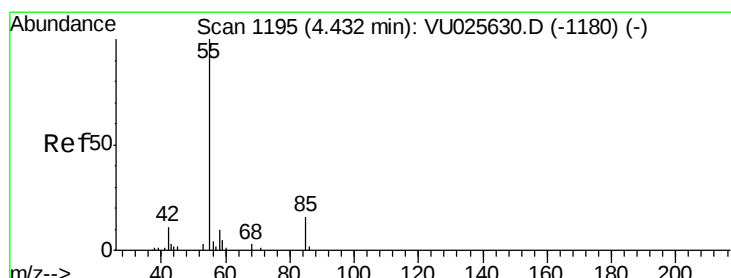
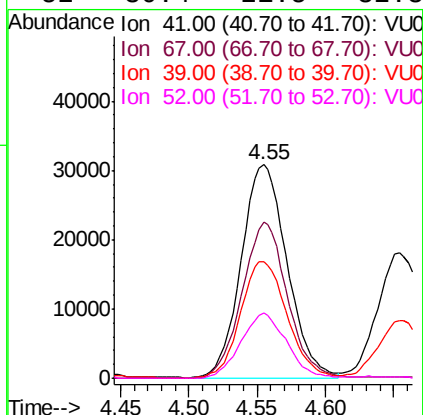
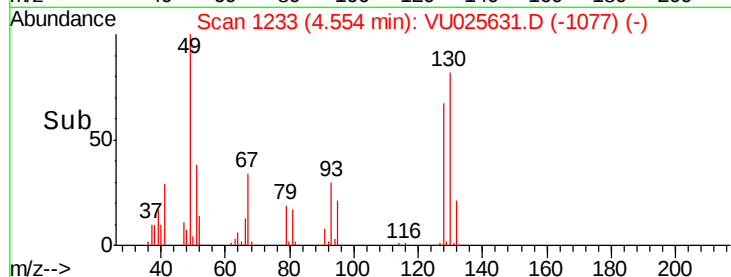
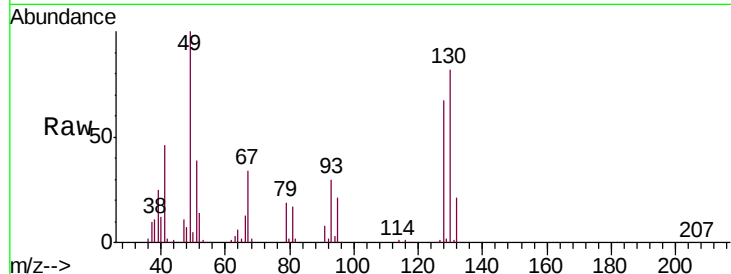
#39
Methacrylonitrile
Concen: 18.365 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	72179
Ion	Ratio	Lower	Upper
41	100		
67	71.8	51.3	76.9
39	55.5	40.6	60.8
52	30.4	21.5	32.3

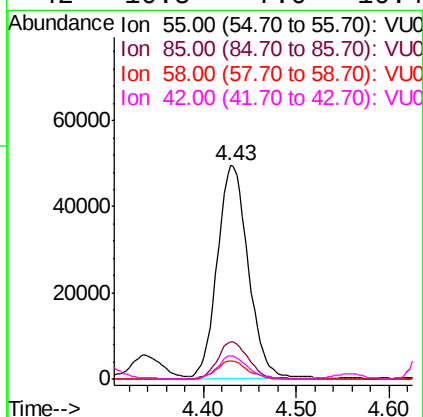
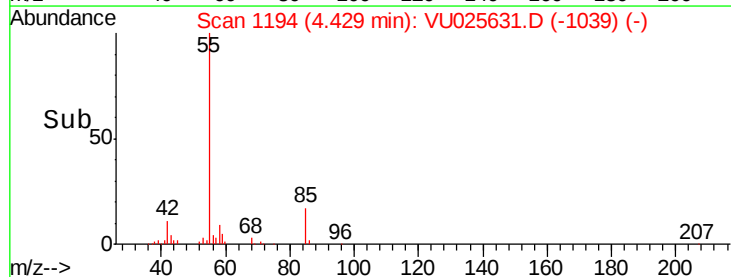
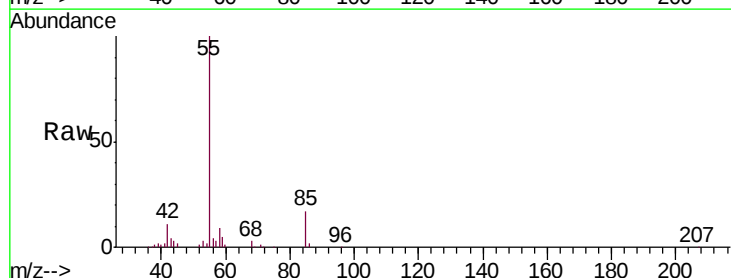
Manual Integrations
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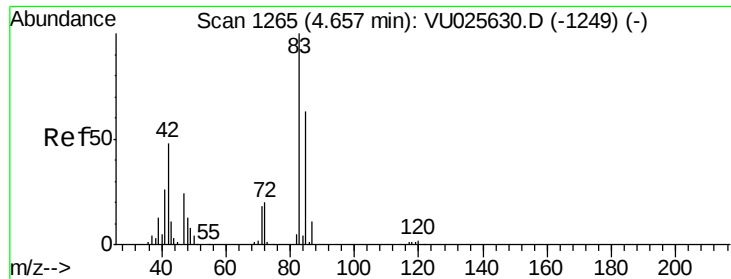
apatel
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#40
Methyl acrylate
Concen: 21.067 ug/l
RT: 4.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion:	55	Resp:	114844
Ion	Ratio	Lower	Upper
55	100		
85	17.2	12.3	18.5
58	8.4	7.0	10.6
42	10.5	7.0	10.4#





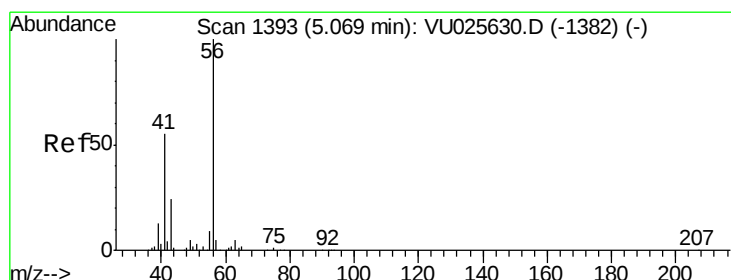
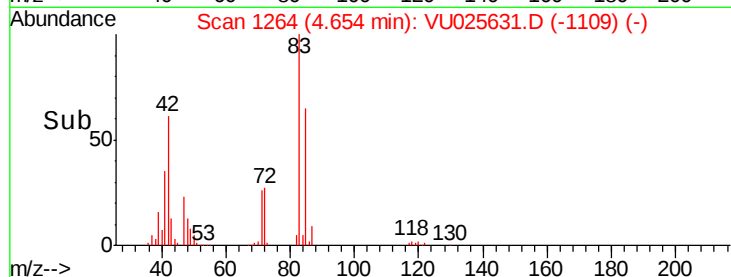
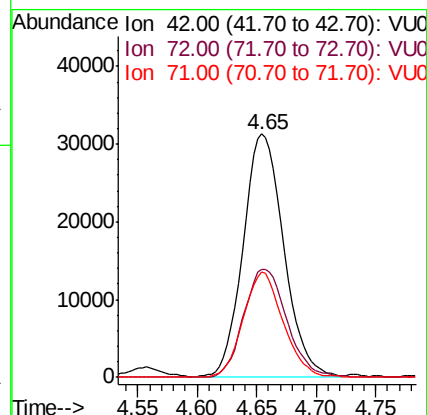
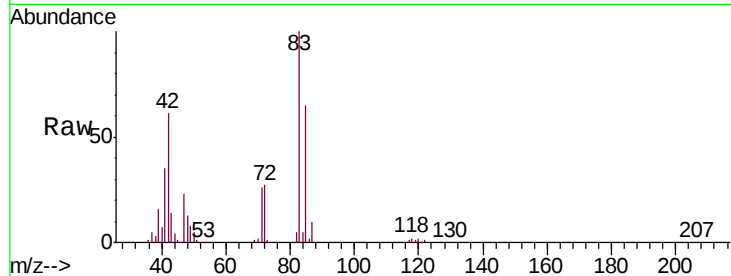
#41
Tetrahydrofuran
Concen: 36.347 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	33.2	49.8
71	42.8	29.8	44.8

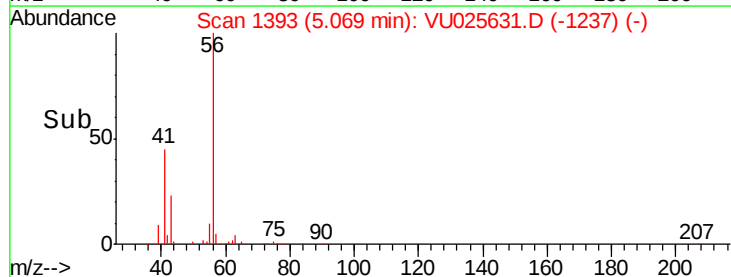
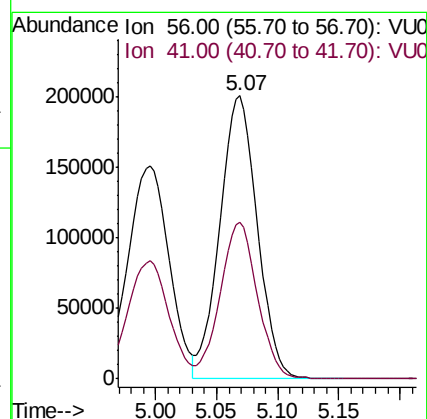
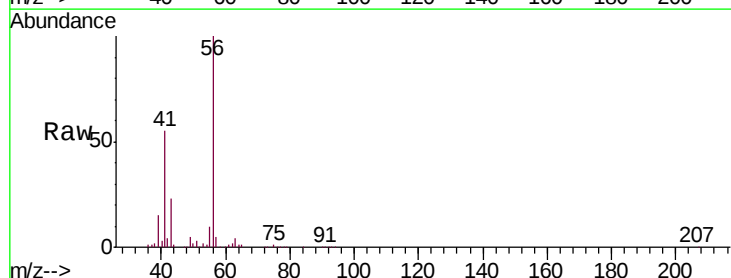
Manual Integrations
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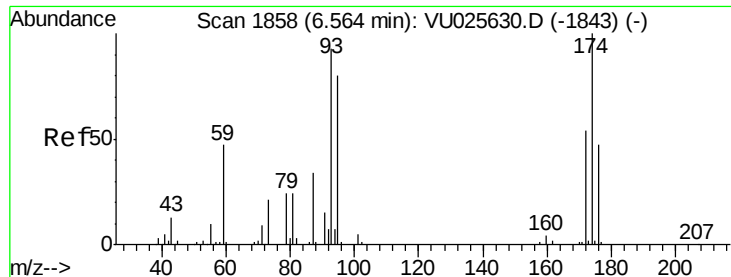
apatel
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#42
1-Chlorobutane
Concen: 19.455 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
56	100		
41	54.5	27.5	82.5





#43

Dibromomethane

Concen: 21.977 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

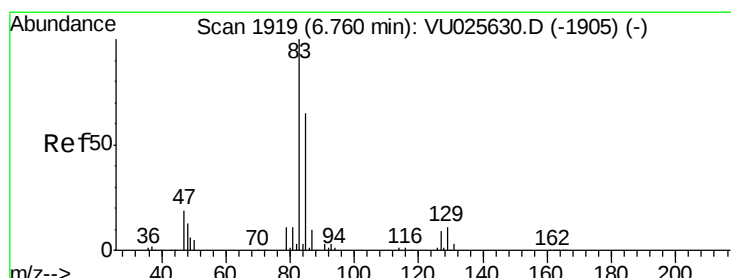
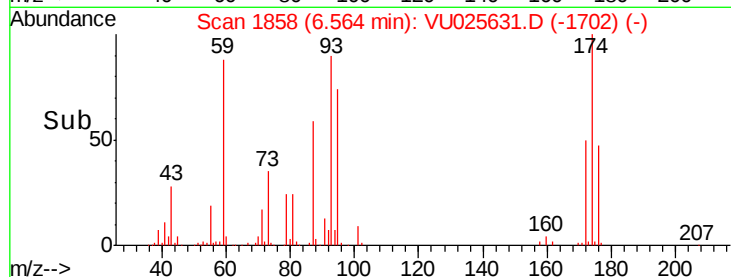
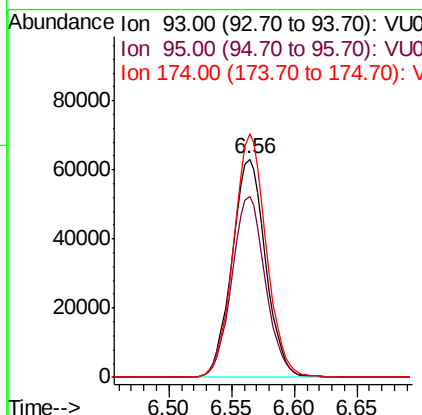
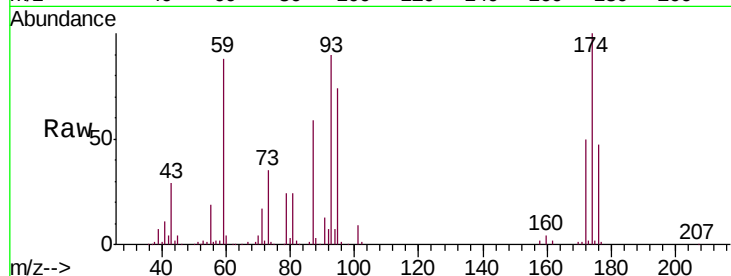
ClientSampleId :

VSTDIC020

Tot Ion:	93	Resp:	117568
Ion	Ratio	Lower	Upper
93	100		
95	83.0	67.2	100.8
174	108.7	82.8	124.2

Manual Integrations
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#44

Bromodichloromethane

Concen: 22.434 ug/l

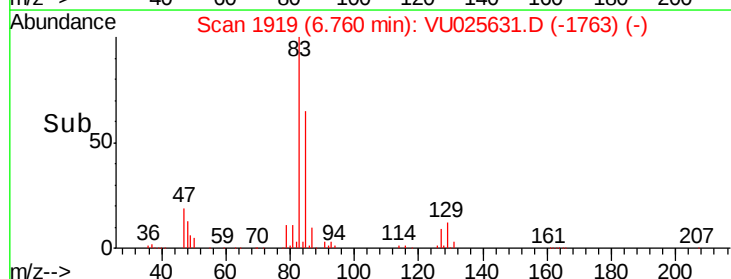
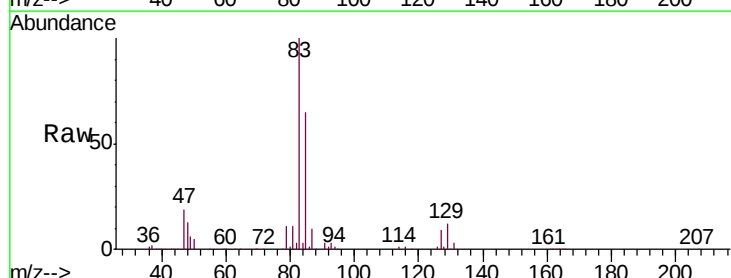
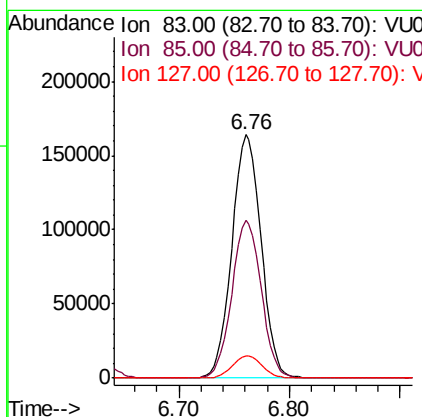
RT: 6.76 min Scan# 1919

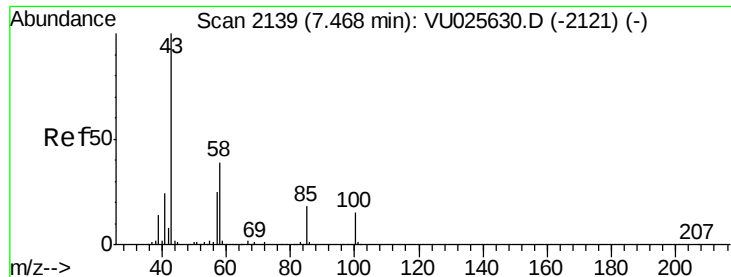
Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Tgt Ion:	83	Resp:	301562
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4
127	9.3	7.0	10.4





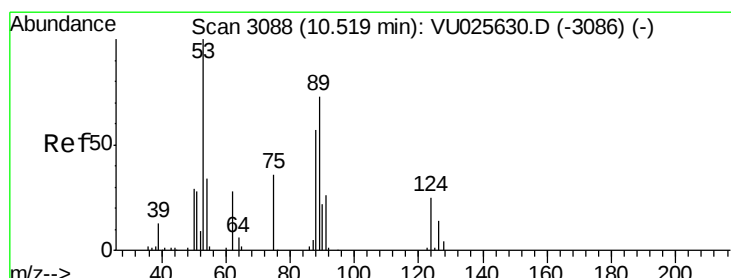
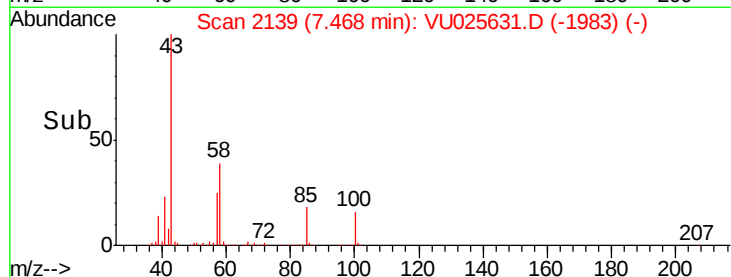
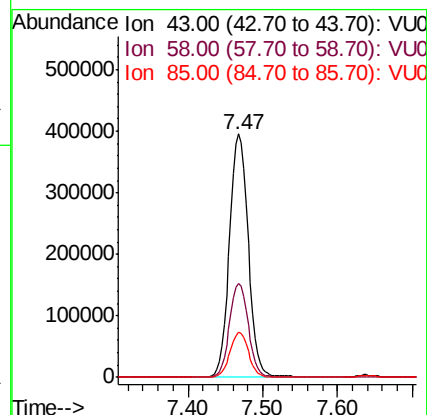
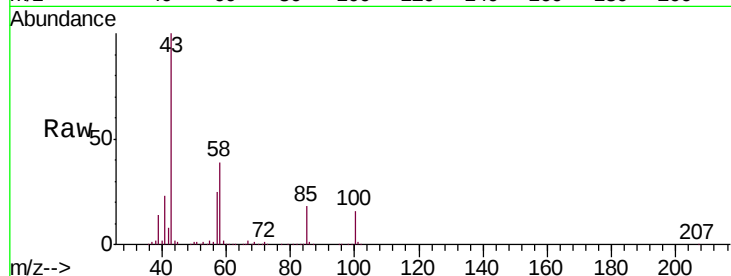
#45
4-Methyl-2-Pentanone
Concen: 108.625 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion:	43	Resp:	686778
Ion	Ratio	Lower	Upper
43	100		
58	38.7	18.8	56.4
85	18.4	12.6	19.0

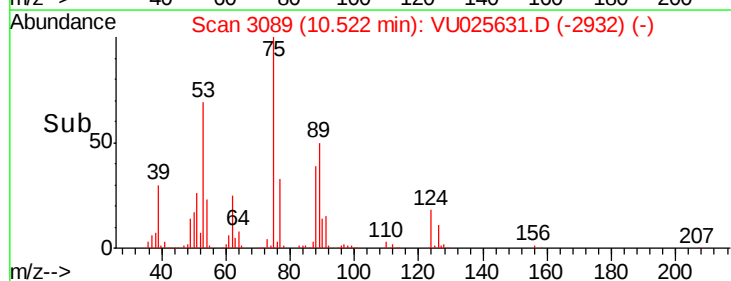
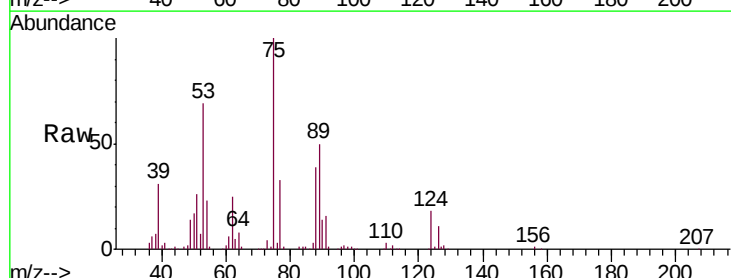
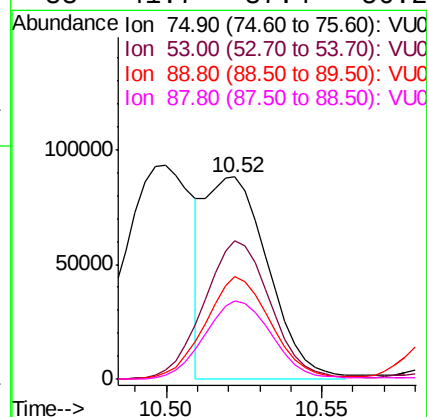
Manual Integrations
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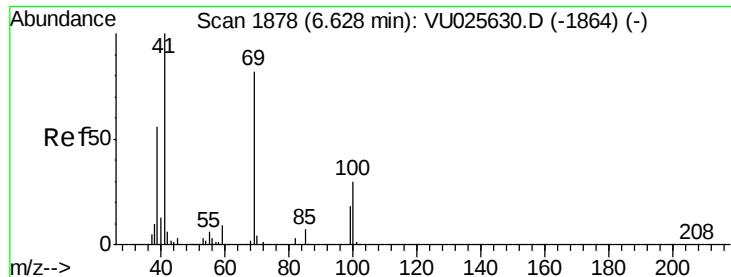
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 66.243 ug/l m
RT: 10.52 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion:	75	Resp:	123829
Ion	Ratio	Lower	Upper
75	100		
53	72.9	82.2	123.4#
89	53.1	51.3	76.9
88	41.7	37.4	56.2





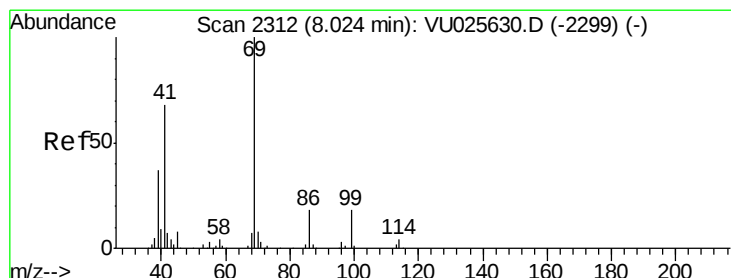
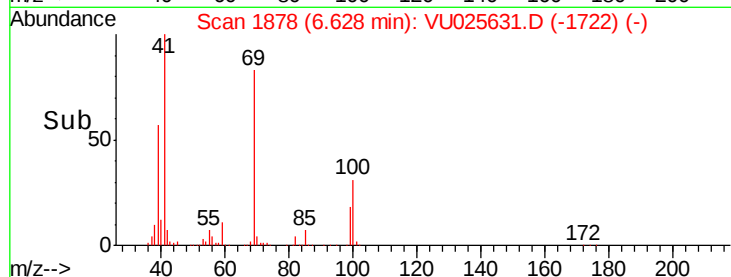
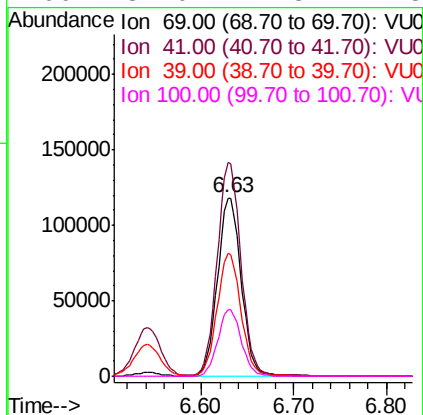
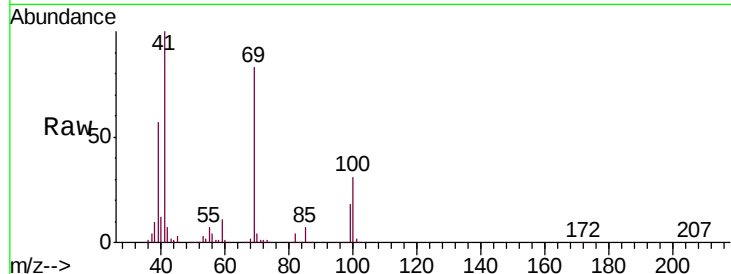
#47
Methyl methacrylate
Concen: 43.426 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
69	100		
41	119.4	0.0	245.4
39	68.3	49.0	73.4
100	37.0	27.8	41.8

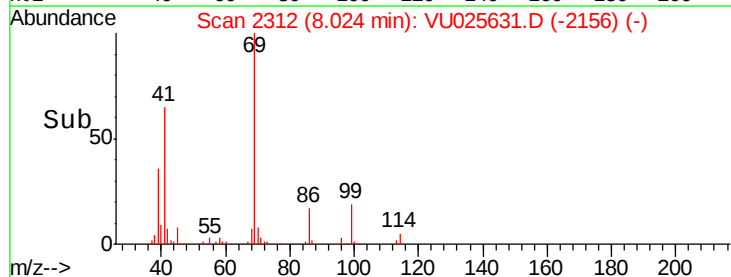
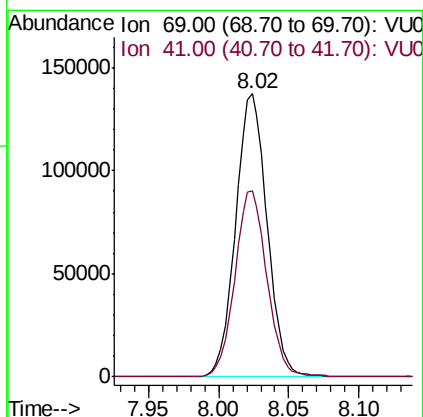
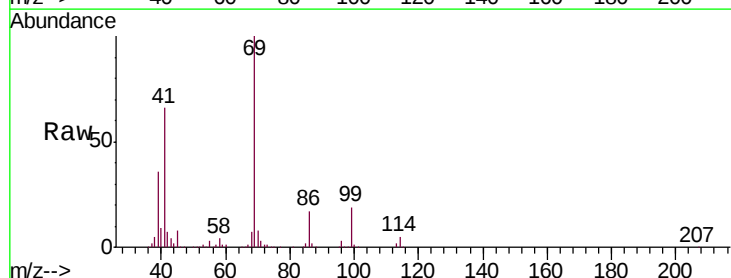
Manual Integrations
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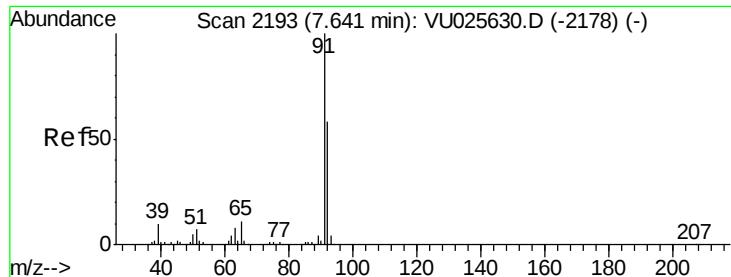
apatel
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#48
Ethyl methacrylate
Concen: 25.373 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.0	34.2	102.5





#49

Toluene

Concen: 21.162 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 92 Resp: 554356

Ion Ratio Lower Upper

92 100

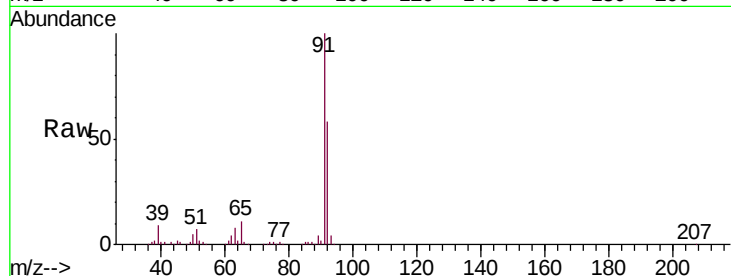
91 173.4 137.1 205.7

Manual Integrations

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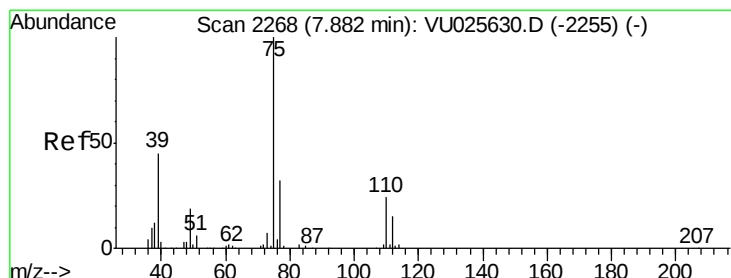
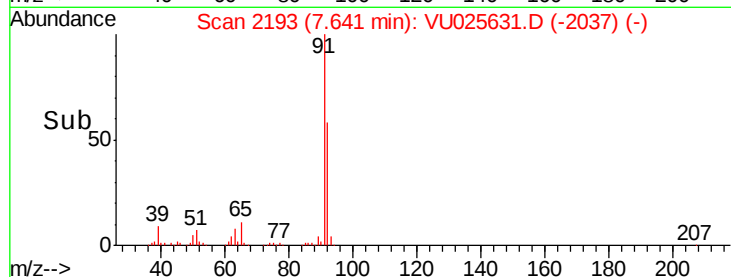
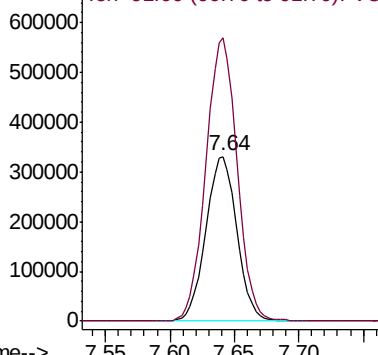
apatel

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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 25.072 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025631.D

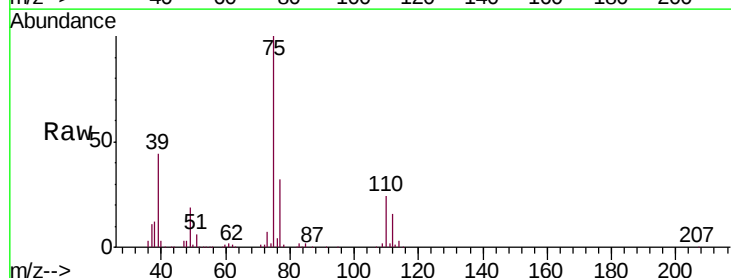
Acq: 25 Jul 2018 11:50

Tgt Ion: 75 Resp: 287672

Ion Ratio Lower Upper

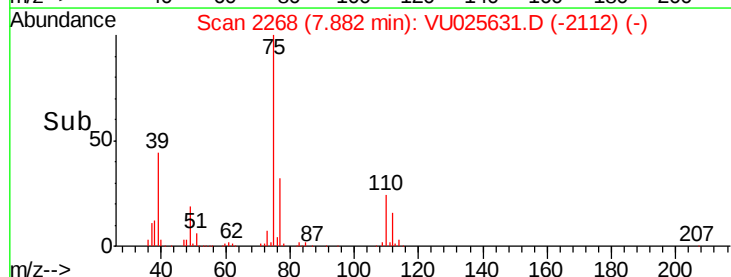
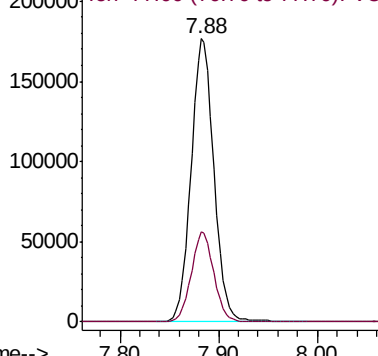
75 100

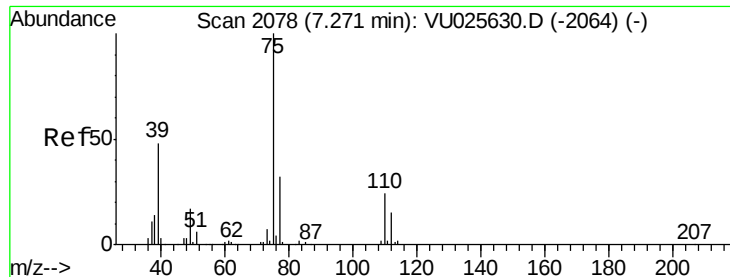
77 31.7 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

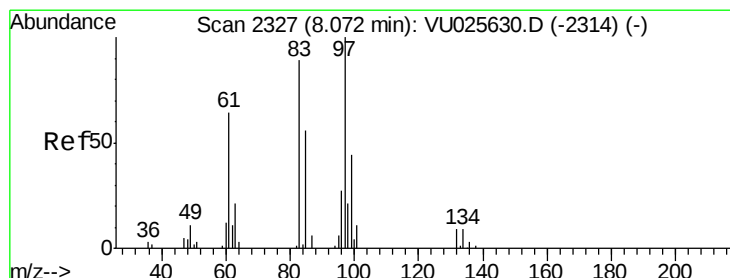
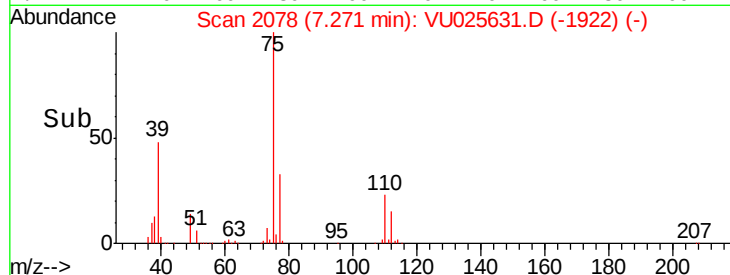
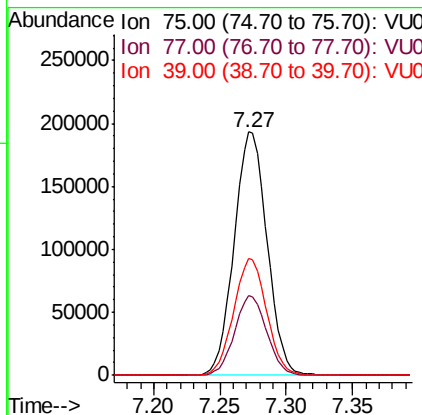
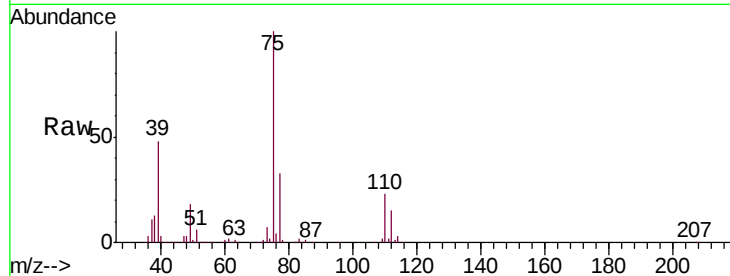
cis-1,3-Dichloropropene
Concen: 22.343 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8
39	47.9	36.4	54.6

Manual Integrations
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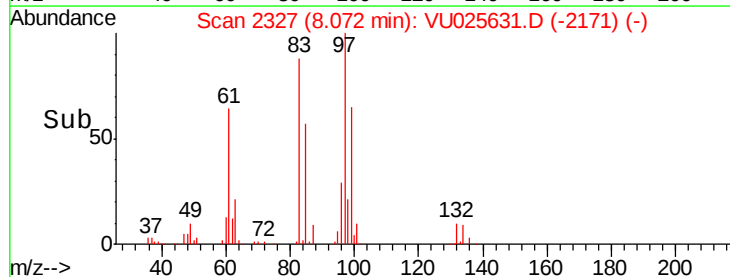
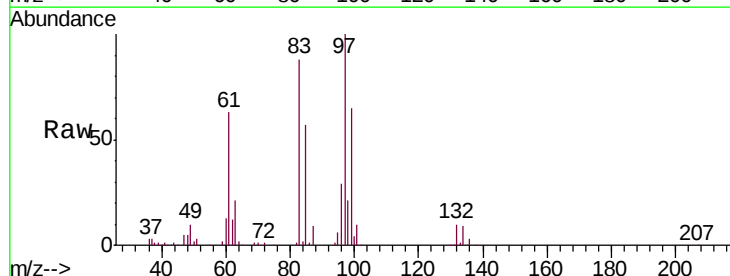
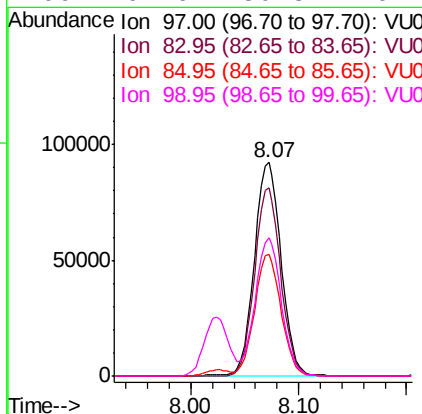
apatel
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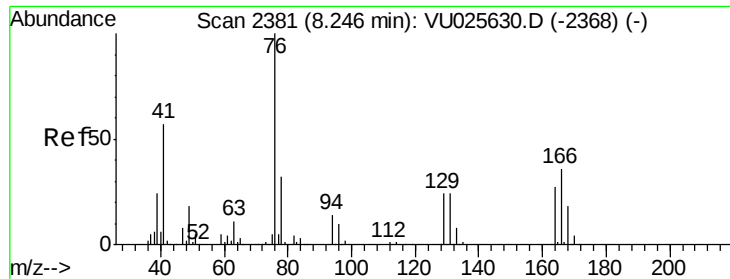


#52

1,1,2-Trichloroethane
Concen: 20.857 ug/l
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	72.6	109.0
85	57.1	47.2	70.8
99	64.6	50.8	76.2





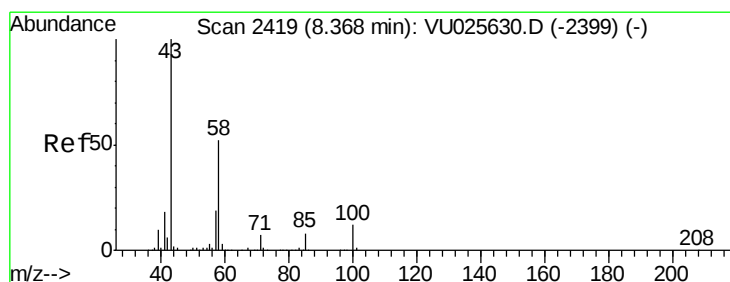
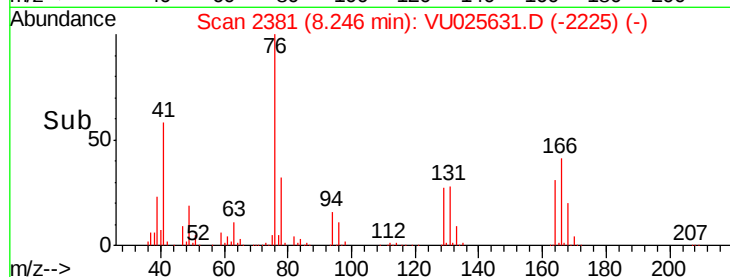
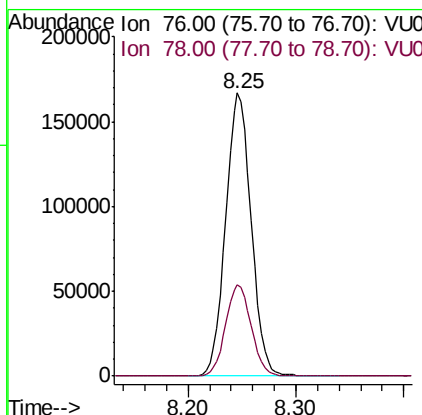
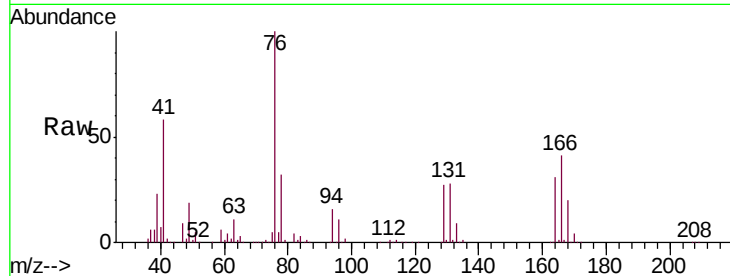
#53
 1,3-Dichloropropane
 Concen: 20.357 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

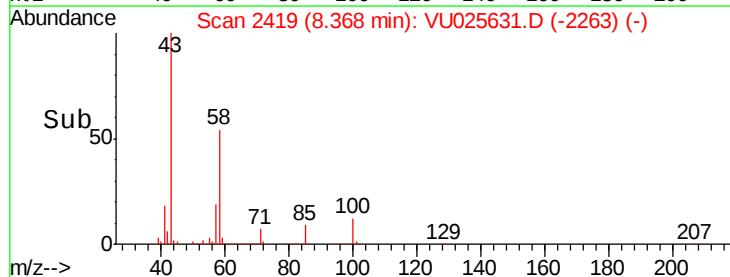
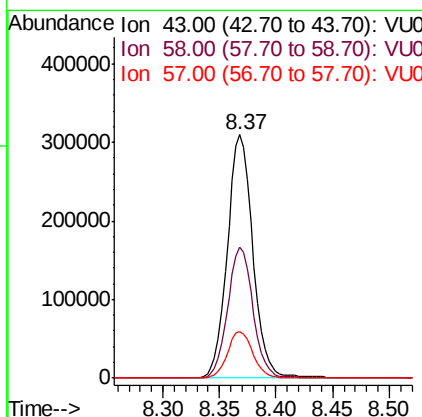
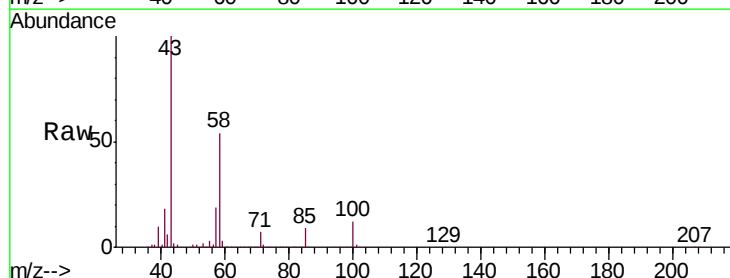
Manual Integrations
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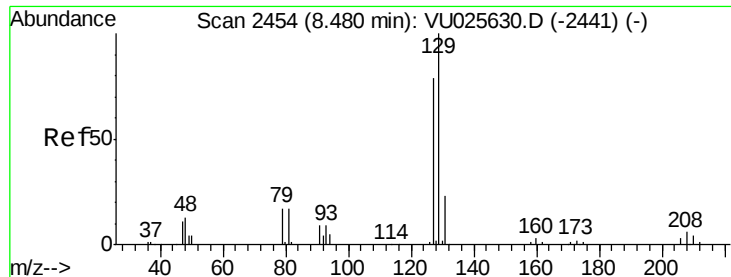
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#54
 2-Hexanone
 Concen: 112.829 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.7	32.5	72.5
57	19.2	0.0	37.9





#55

Dibromochloromethane

Concen: 25.463 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:129 Resp: 212368

Ion Ratio Lower Upper

129 100

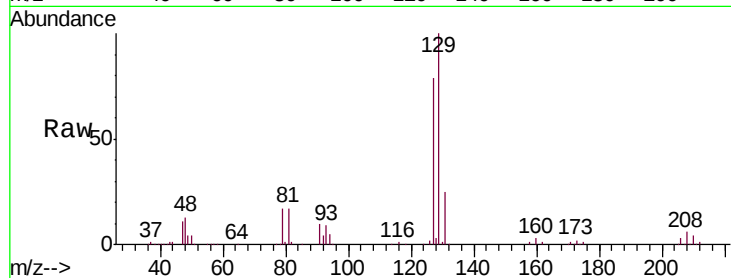
127 79.3 61.1 91.7

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

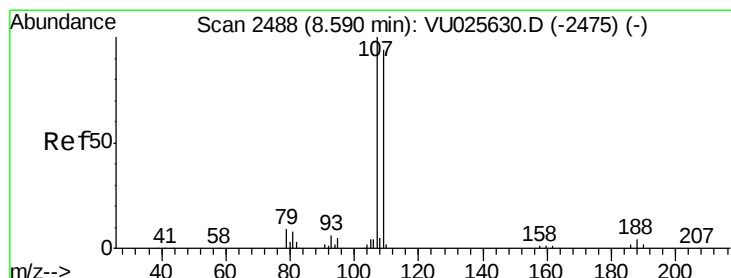
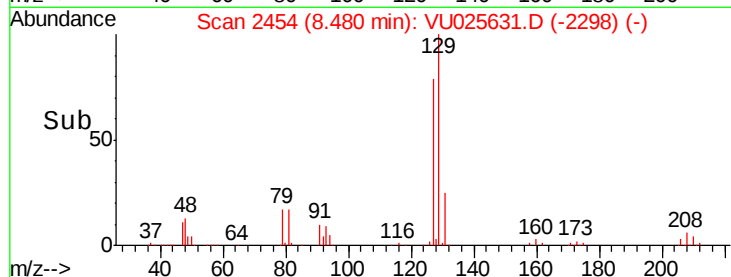
150000

100000

50000

0

Time-->



#56

1,2-Dibromoethane

Concen: 23.882 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025631.D

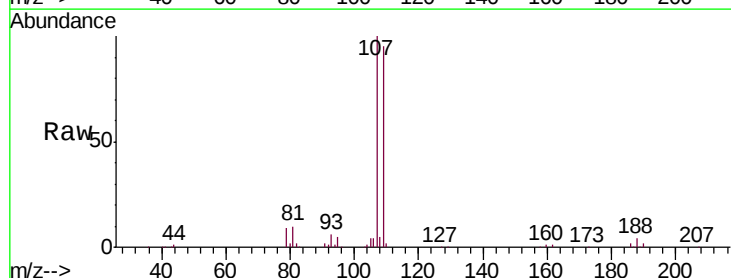
Acq: 25 Jul 2018 11:50

Tgt Ion:107 Resp: 156634

Ion Ratio Lower Upper

107 100

109 95.4 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

100000

80000

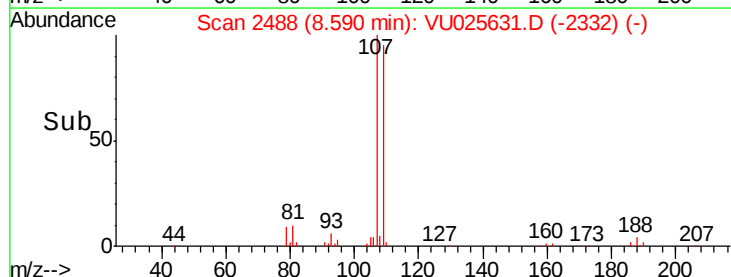
60000

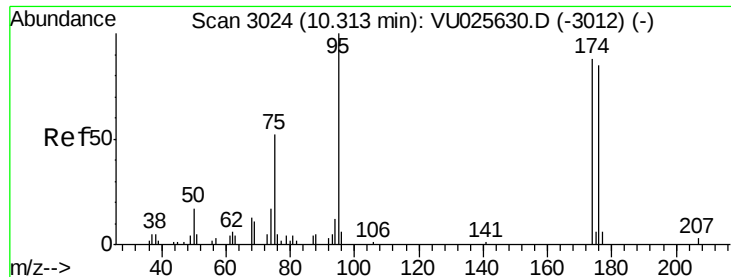
40000

20000

0

Time-->





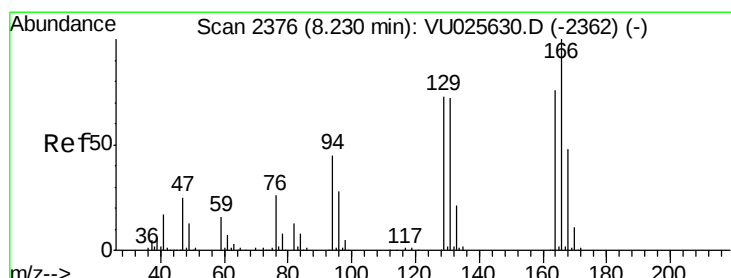
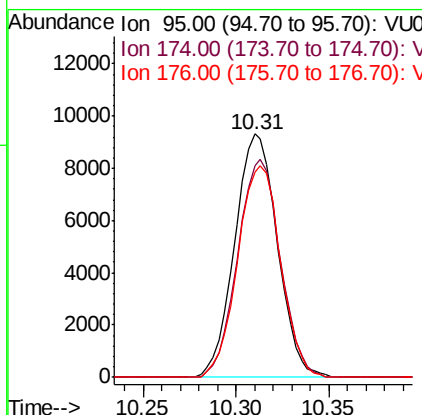
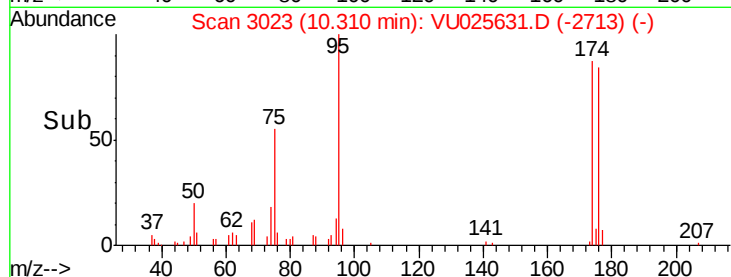
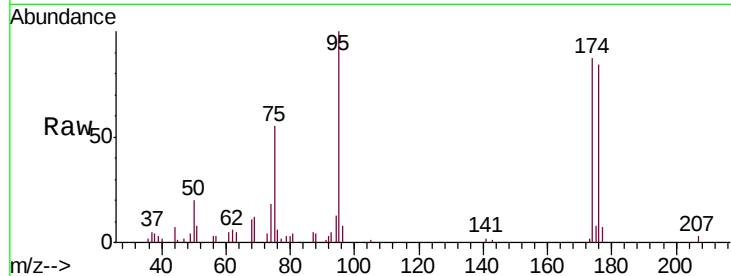
#57
4-Bromofluorobenzene
Concen: 23.882 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.2	65.6	98.4
176	87.4	62.0	93.0

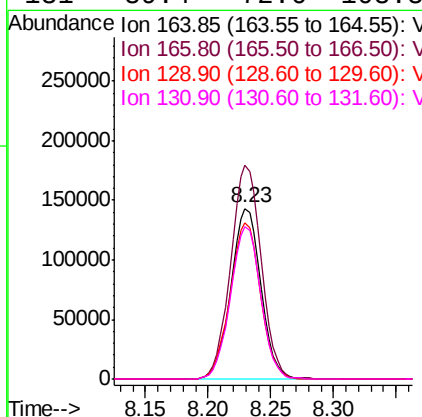
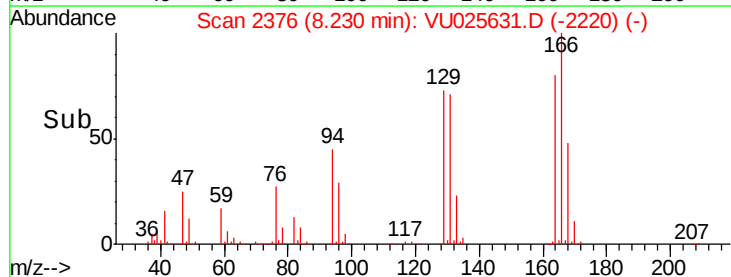
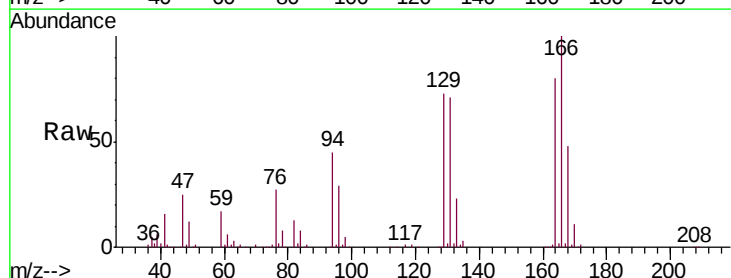
Manual Integrations
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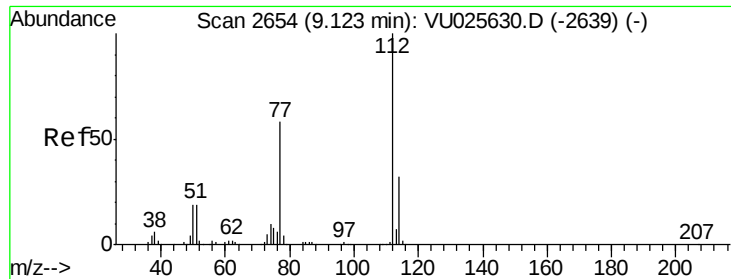
apatel
7/26/2018 4:26:34 PM



#58
Tetrachloroethene
Concen: 21.368 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.1	156.1
129	92.0	76.8	115.2
131	89.4	72.6	108.8





#59

Chlorobenzene

Concen: 22.481 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 630366

Ion Ratio Lower Upper

112 100

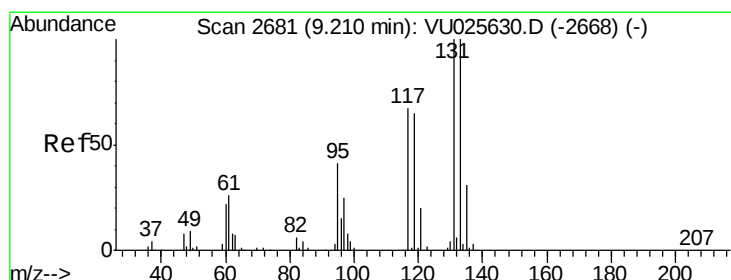
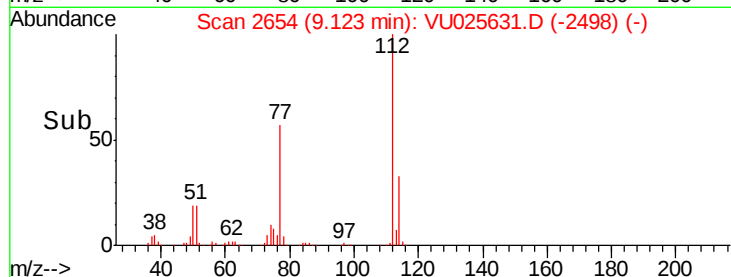
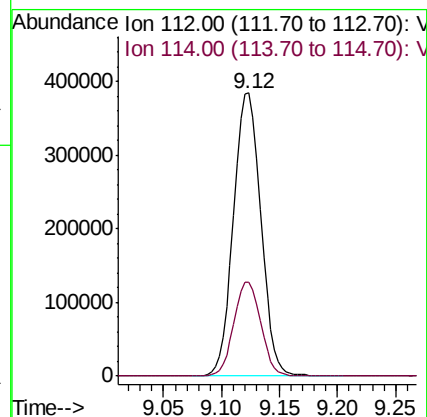
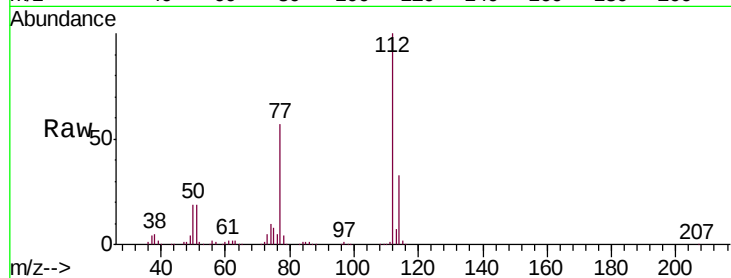
114 33.4 25.4 38.2

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#60

1,1,1,2-Tetrachloroethane

Concen: 24.583 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

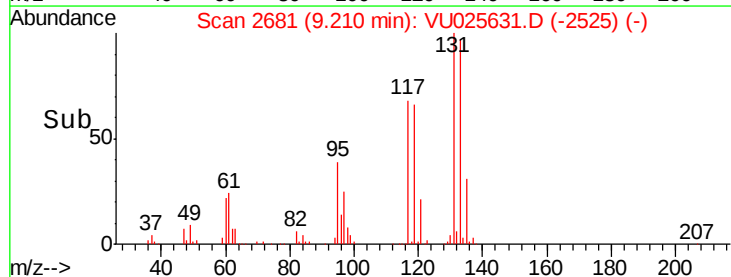
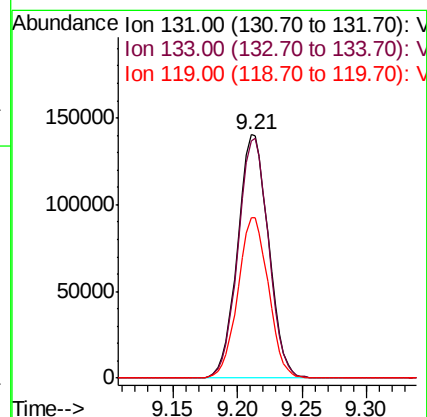
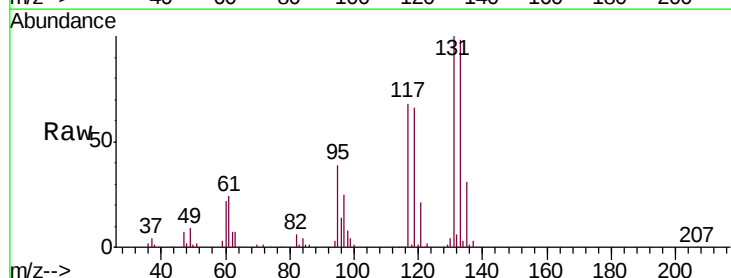
Tgt Ion:131 Resp: 234119

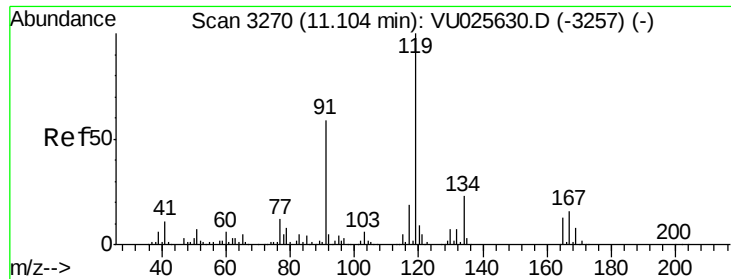
Ion Ratio Lower Upper

131 100

133 97.1 75.8 113.8

119 65.0 53.0 79.6





#61

Pentachloroethane

Concen: 27.093 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion:117 Resp: 183141

Ion Ratio Lower Upper

117 100

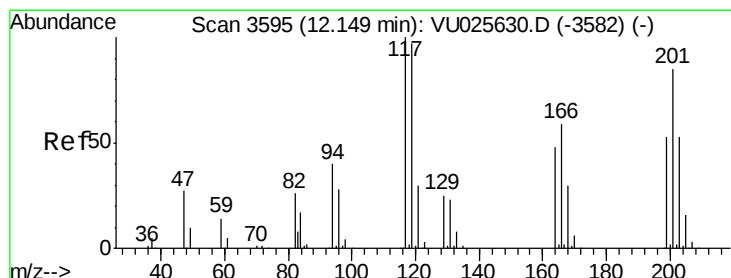
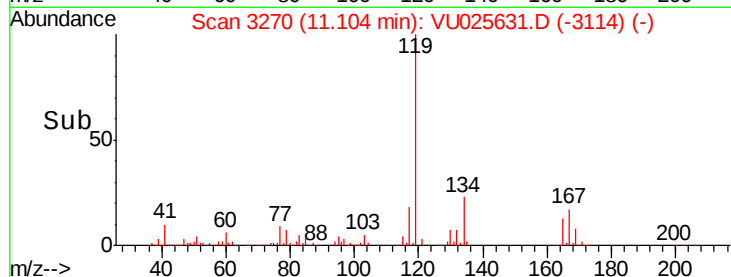
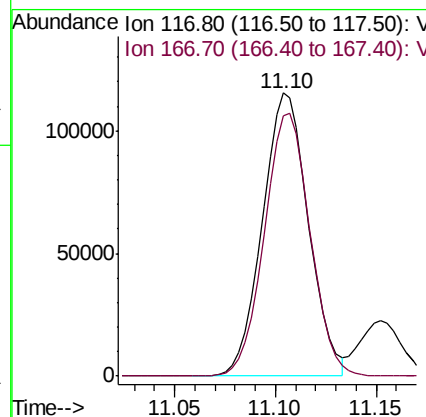
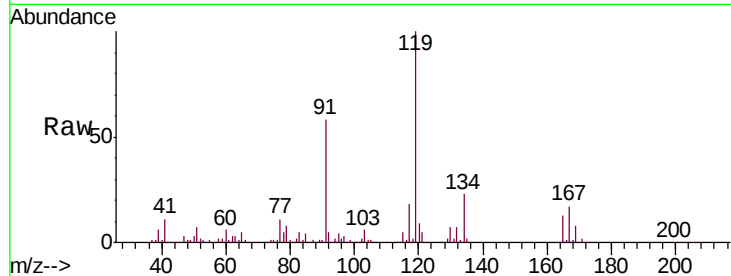
167 92.2 69.2 103.8

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#62

Hexachloroethane

Concen: 30.789 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025631.D

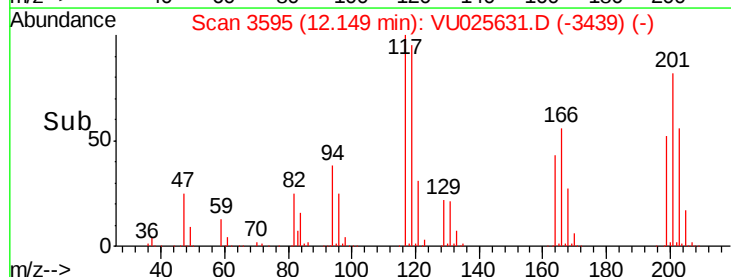
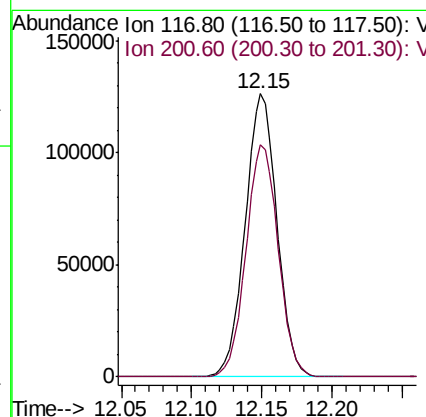
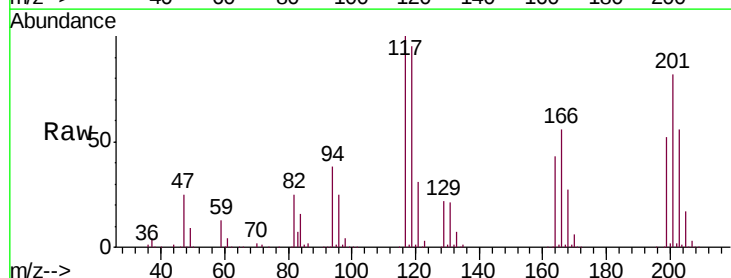
Acq: 25 Jul 2018 11:50

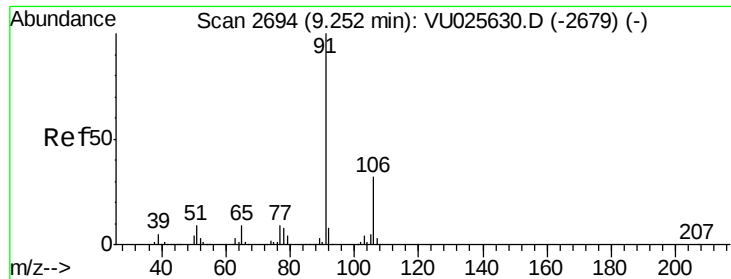
Tgt Ion:117 Resp: 199754

Ion Ratio Lower Upper

117 100

201 83.2 68.7 103.1





#63

Ethyl Benzene

Concen: 23.634 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 1101519

Ion Ratio Lower Upper

91 100

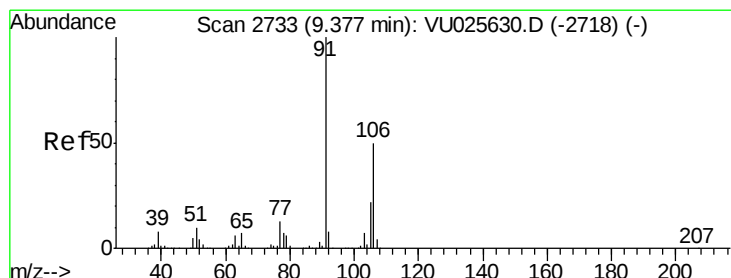
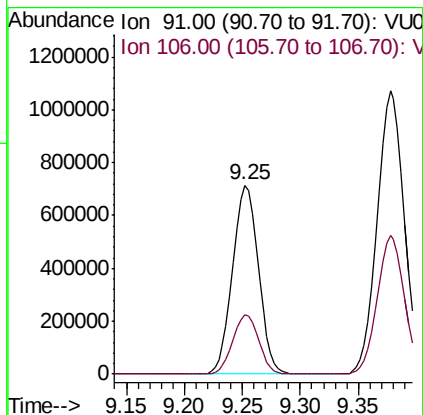
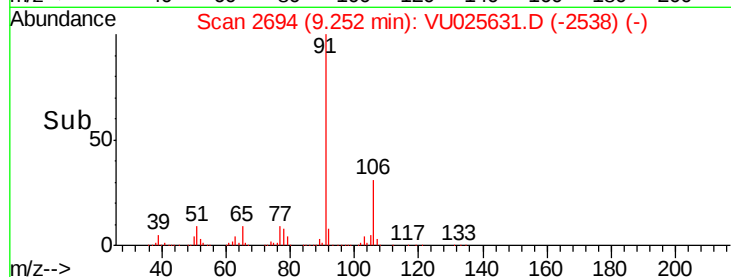
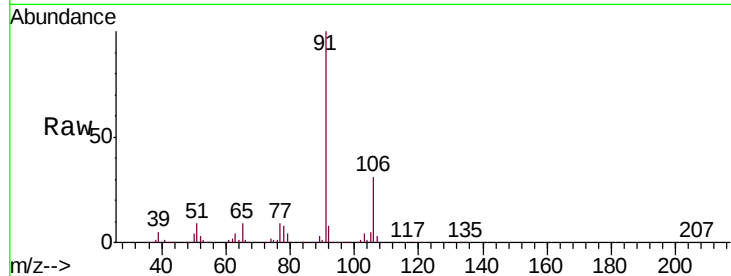
106 31.3 24.7 37.1

Manual Integrations

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#64

m/p-Xylenes

Concen: 47.848 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025631.D

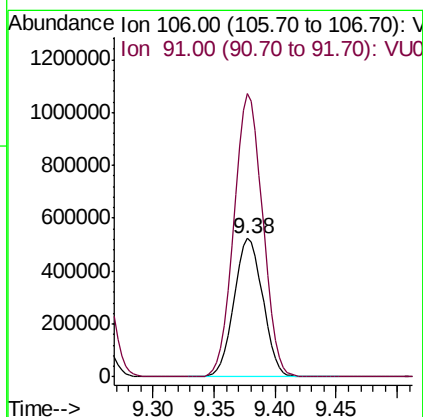
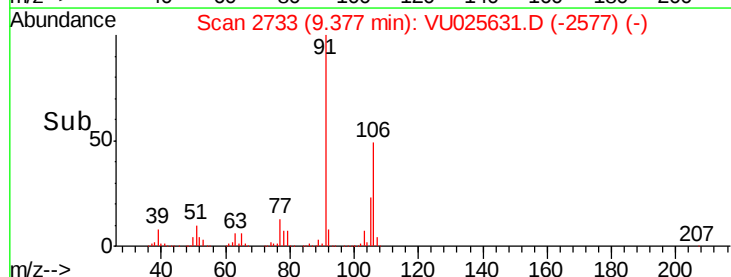
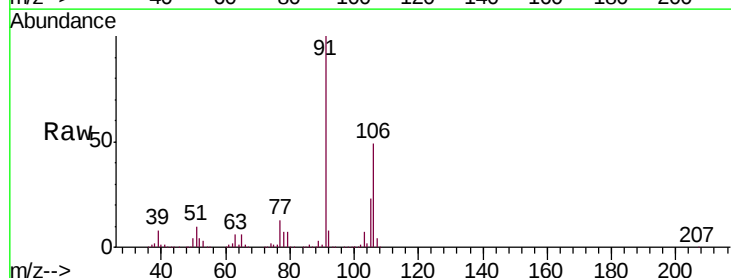
Acq: 25 Jul 2018 11:50

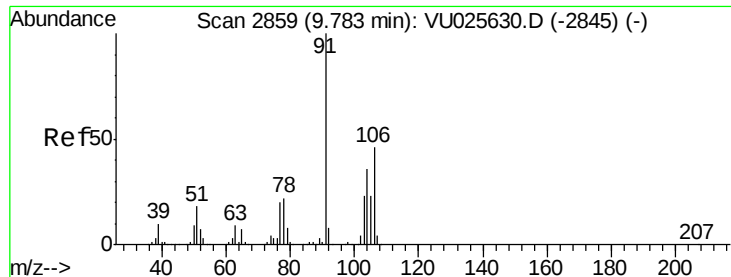
Tgt Ion: 106 Resp: 860021

Ion Ratio Lower Upper

106 100

91 203.4 164.1 246.1





#65

o-Xylene

Concen: 24.226 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:106 Resp: 419319

Ion Ratio Lower Upper

106 100

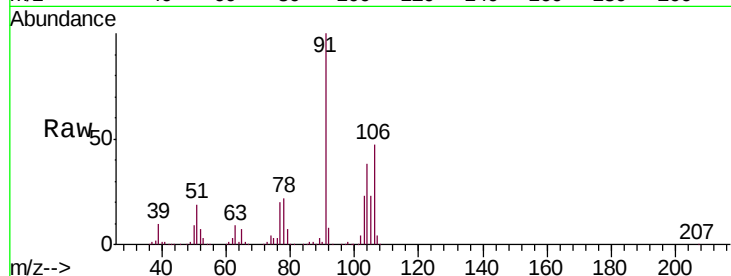
91 210.8 107.9 323.7

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

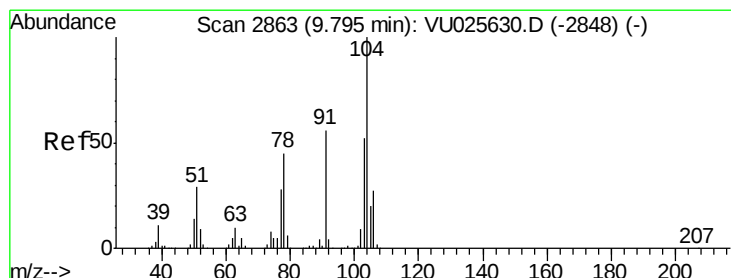
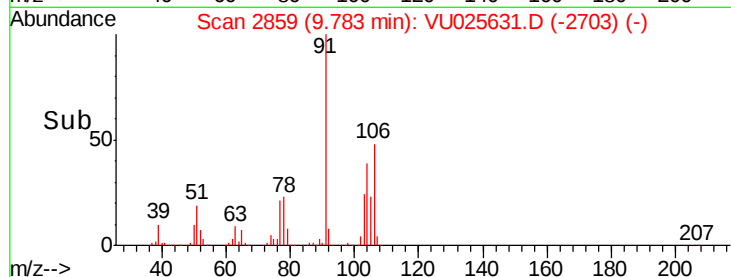
400000

200000

0

9.70 9.75 9.80 9.85

Time-->



#66

Styrene

Concen: 24.984 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

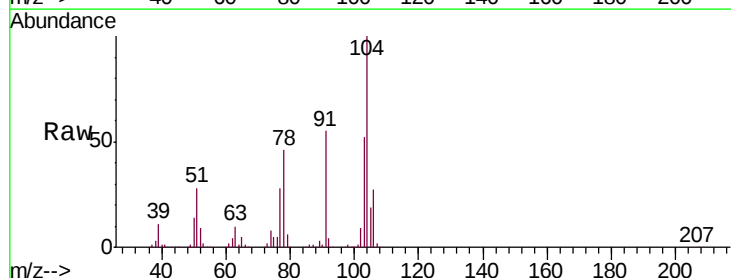
Tgt Ion:104 Resp: 713146

Ion Ratio Lower Upper

104 100

78 49.8 40.2 60.2

103 54.9 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

600000

500000

400000

300000

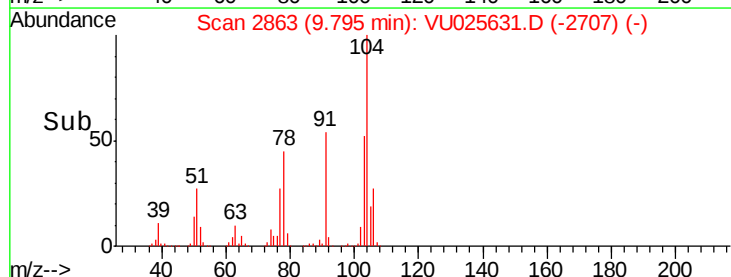
200000

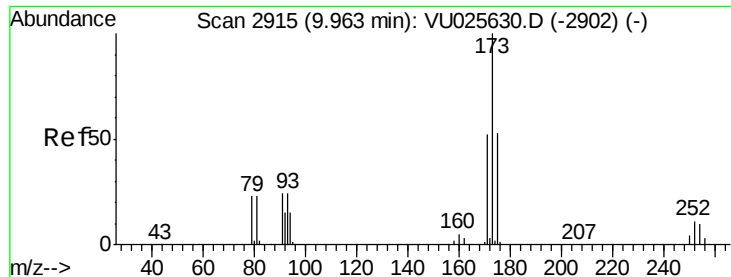
100000

0

9.70 9.80 9.90 10.00

Time-->





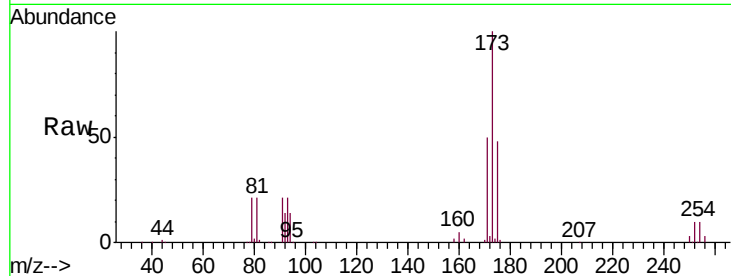
#67
Bromoform
Concen: 29.130 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.6	57.8
254	9.9	8.8	13.2

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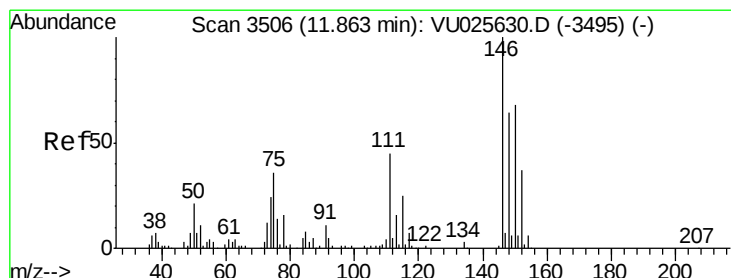
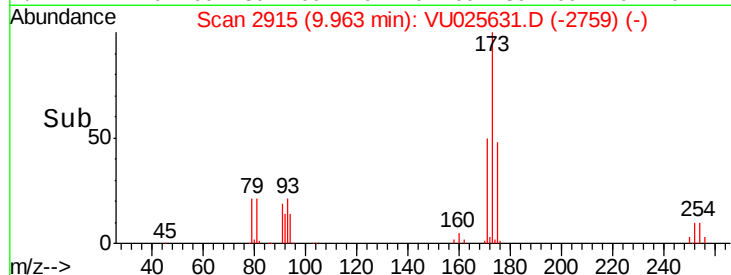
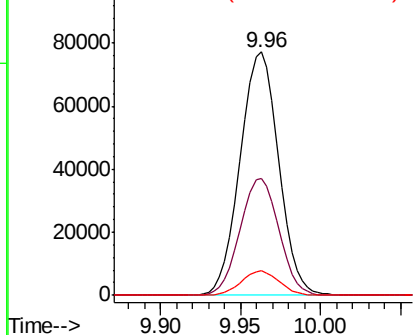


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 29.130 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

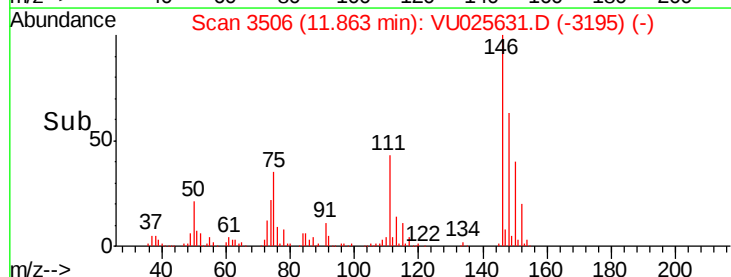
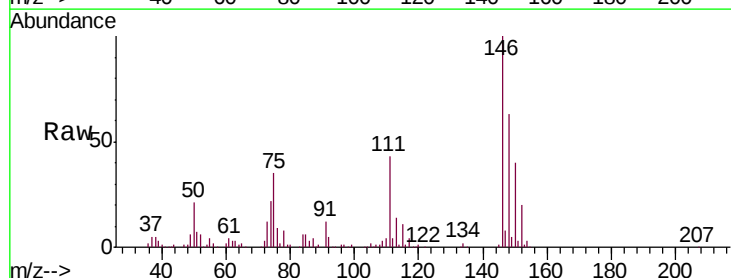
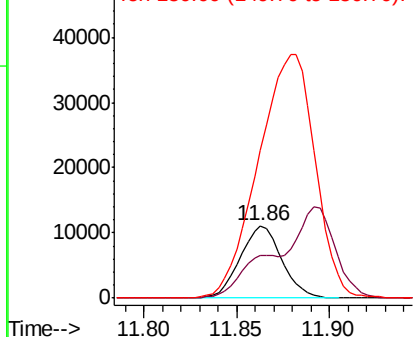
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	0.0	118.8
150	0.0	0.0	0.0

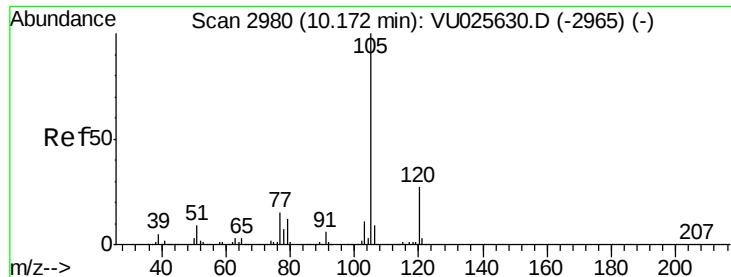
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





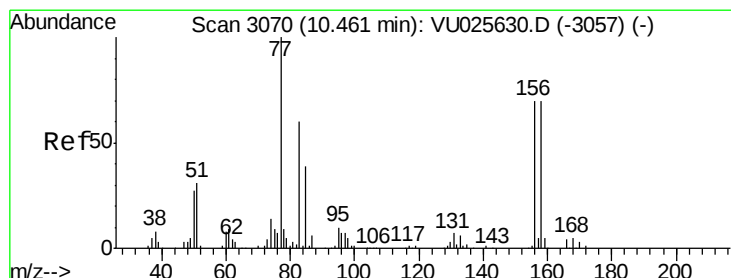
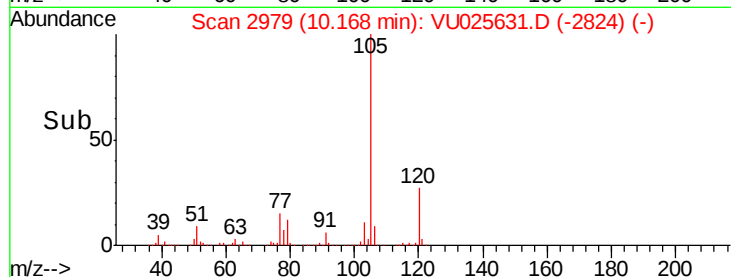
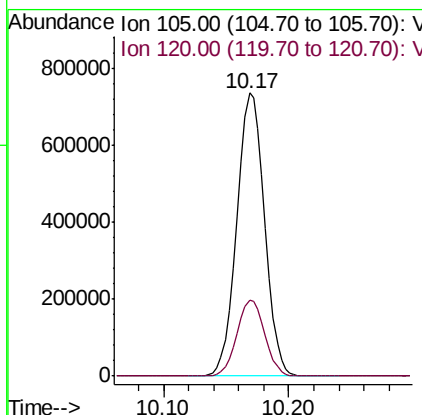
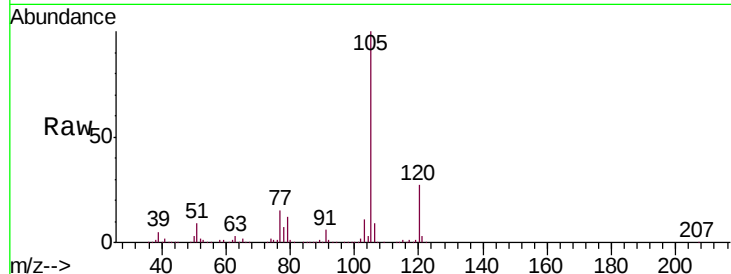
#69
Isopropylbenzene
Concen: 25.319 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:105 Resp: 1128830
Ion Ratio Lower Upper
105 100
120 26.9 13.1 39.3

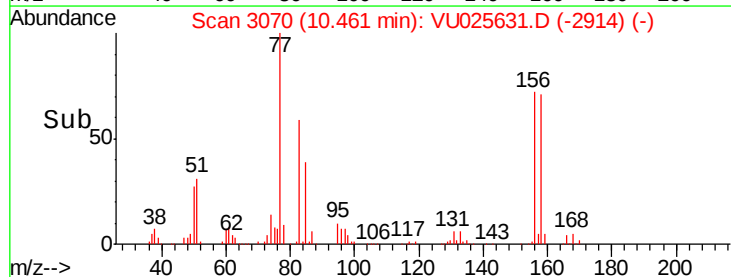
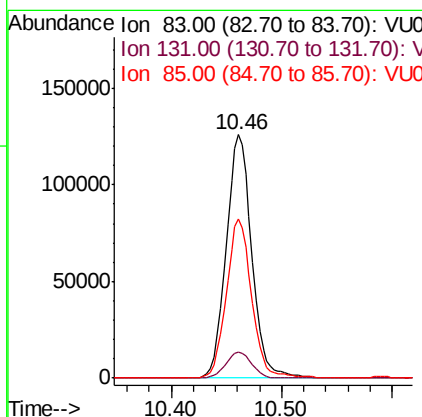
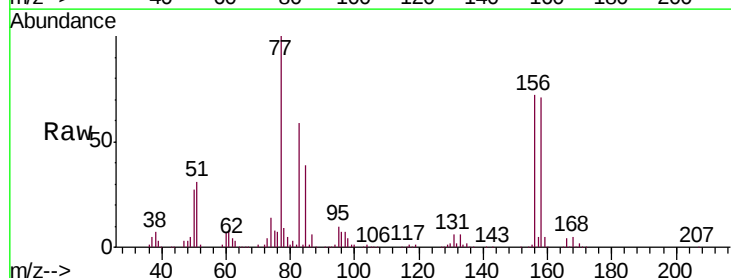
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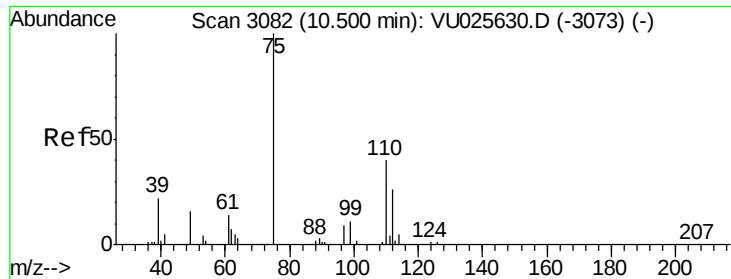
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#70
1,1,2,2-Tetrachloroethane
Concen: 23.531 ug/l
RT: 10.46 min Scan# 3070
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion: 83 Resp: 201879
Ion Ratio Lower Upper
83 100
131 10.9 7.9 11.9
85 64.9 51.8 77.6





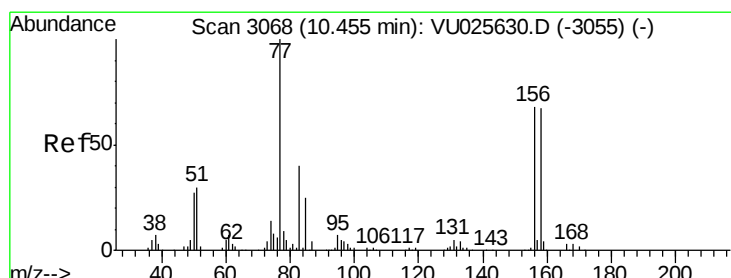
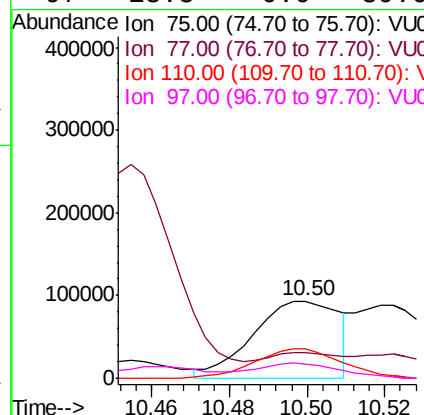
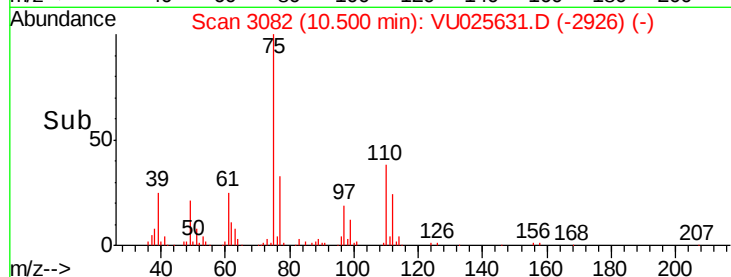
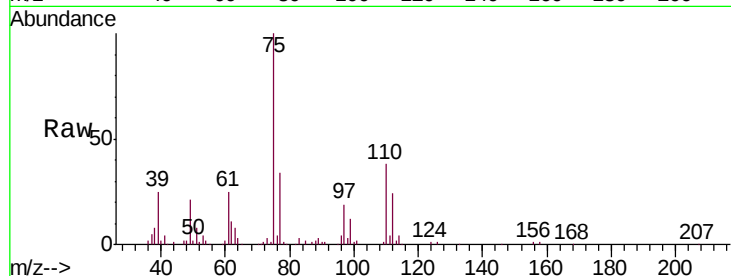
#71
1,2,3-Trichloropropane
Concen: 23.413 ug/l m
RT: 10.50 min Scan# 3082
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	10.0	0.0	0.0#
110	39.0	0.0	74.0
97	18.8	0.0	39.6

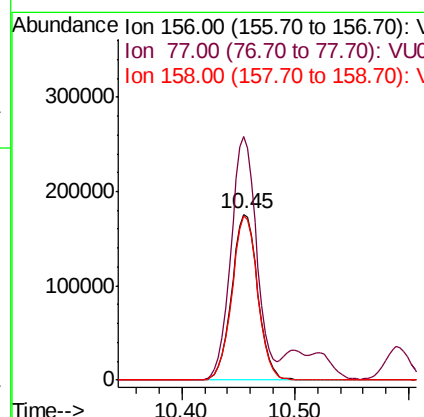
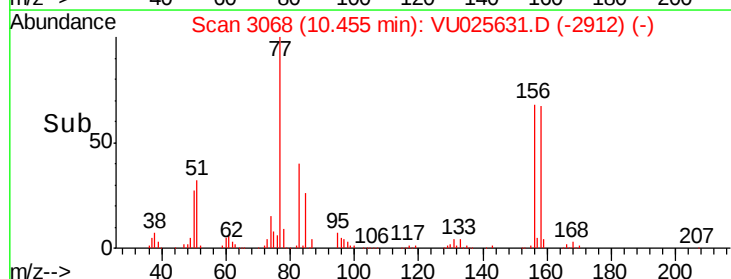
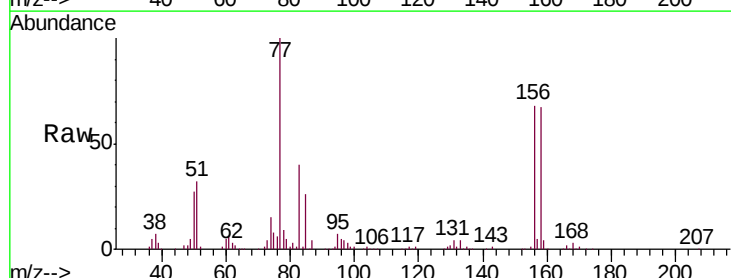
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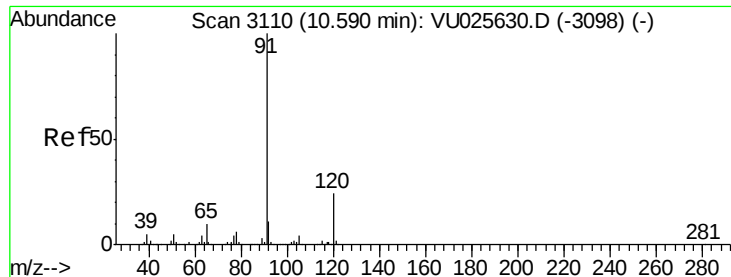
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#72
Bromobenzene
Concen: 25.421 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
156	100		
77	145.0	0.0	309.8
158	97.2	0.0	193.0





#73

n-propylbenzene

Concen: 26.116 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:120 Resp: 321866

Ion Ratio Lower Upper

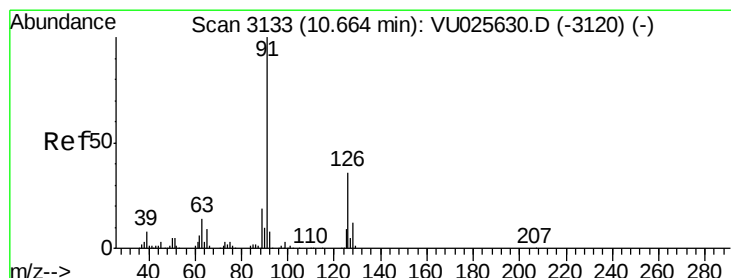
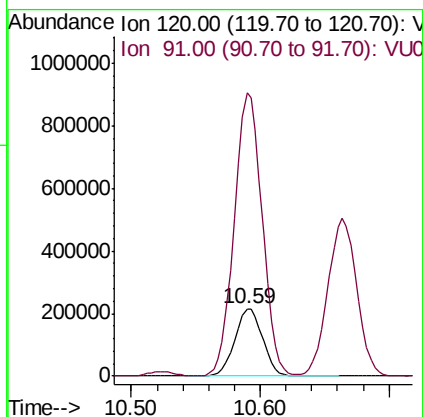
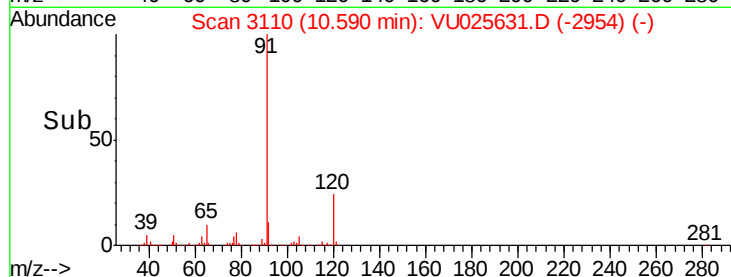
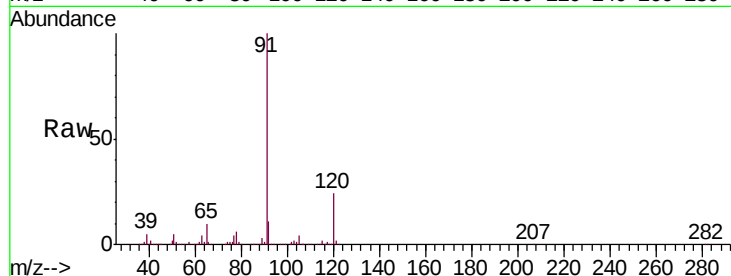
120 100

91 422.6 352.2 528.4

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#74

2-Chlorotoluene

Concen: 25.481 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025631.D

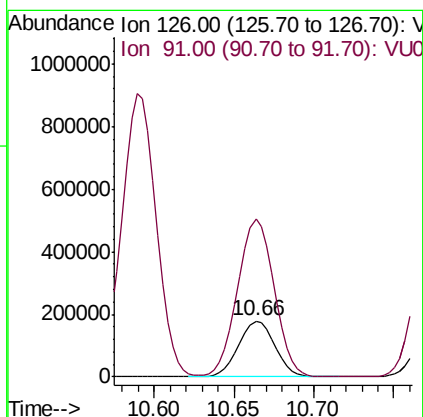
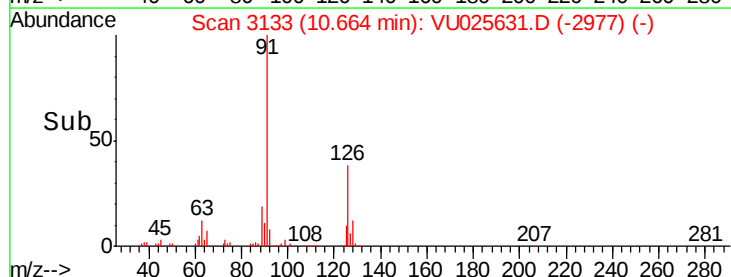
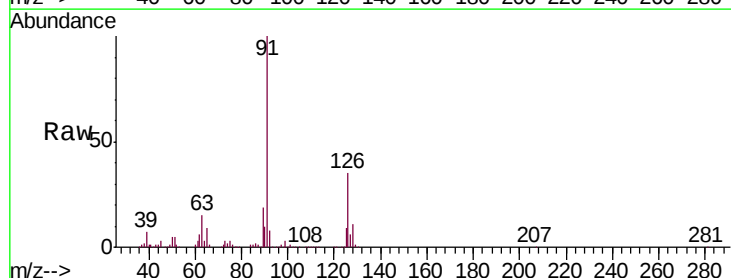
Acq: 25 Jul 2018 11:50

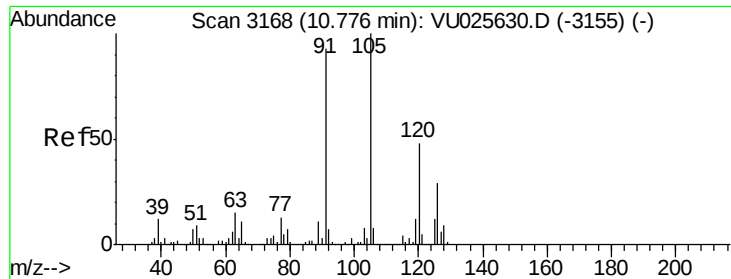
Tgt Ion:126 Resp: 277678

Ion Ratio Lower Upper

126 100

91 281.5 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 26.199 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 984094

Ion Ratio Lower Upper

105 100

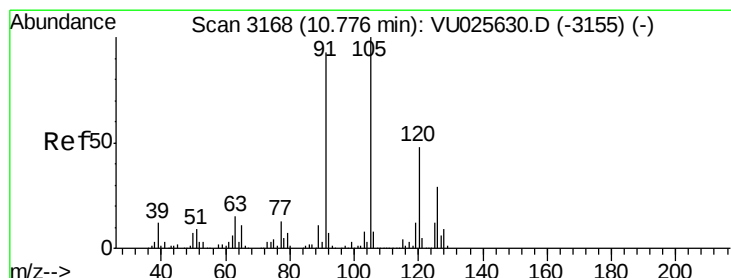
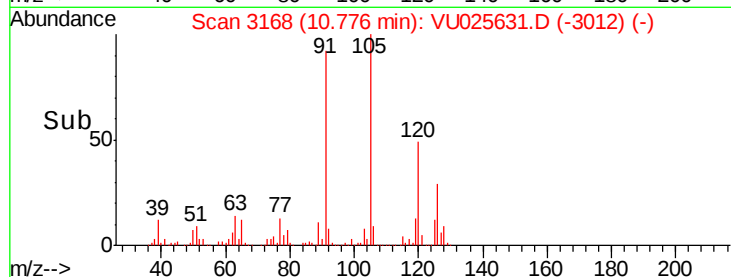
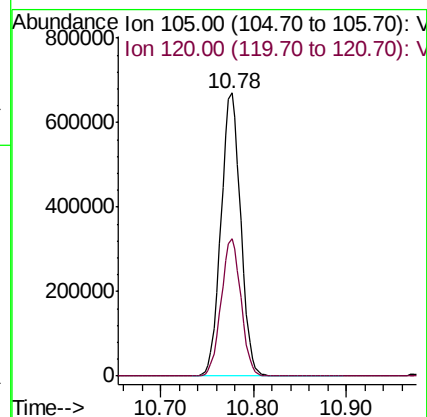
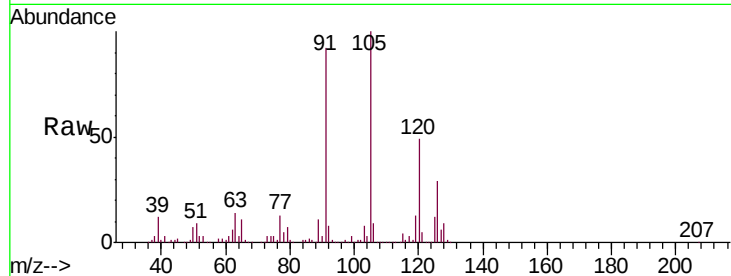
120 48.8 39.0 58.6

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#76

4-Chlorotoluene

Concen: 25.416 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025631.D

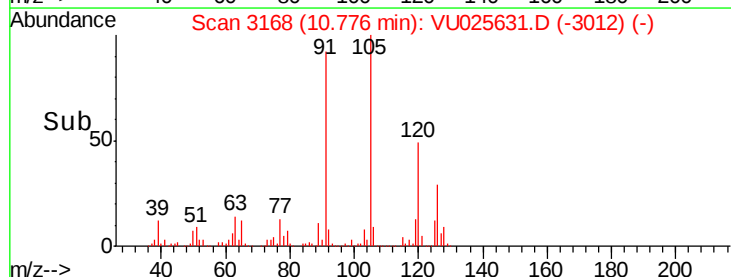
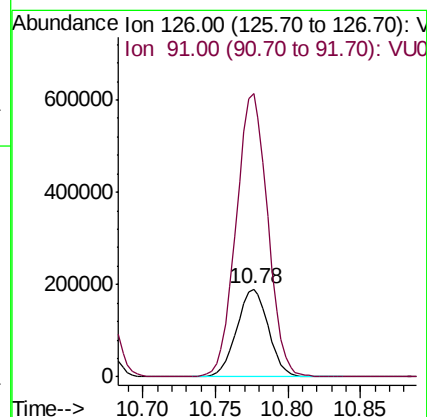
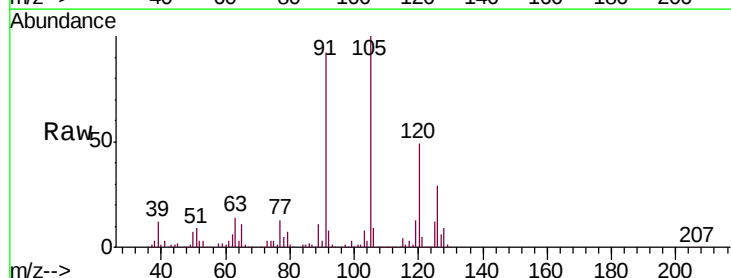
Acq: 25 Jul 2018 11:50

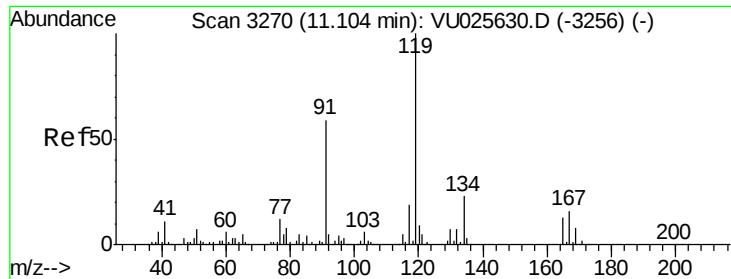
Tgt Ion:126 Resp: 286934

Ion Ratio Lower Upper

126 100

91 321.3 0.0 667.2





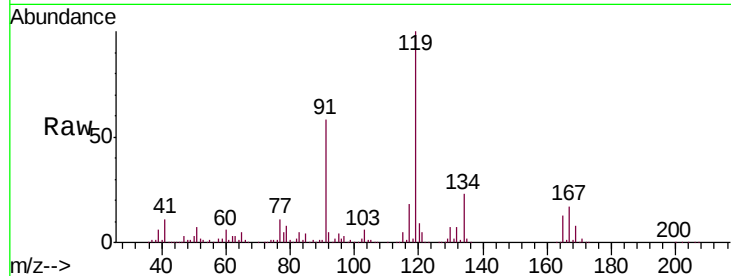
#77
 tert-Butylbenzene
 Concen: 27.457 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	966213		
91	58.4	29.6	88.8	
134	23.1	19.1	28.7	

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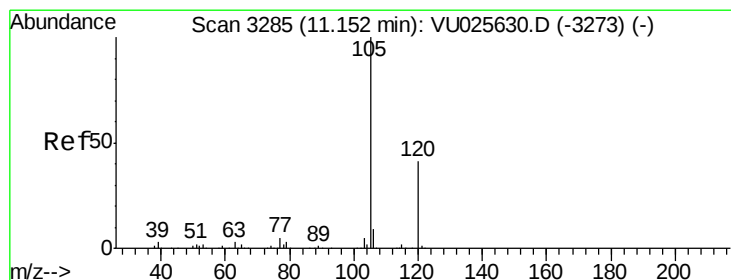
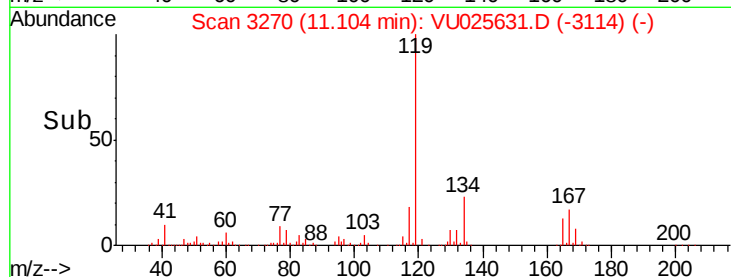
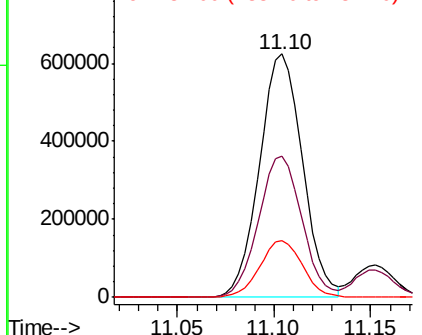


Abundance

Ion 119.00 (118.70 to 119.70): V

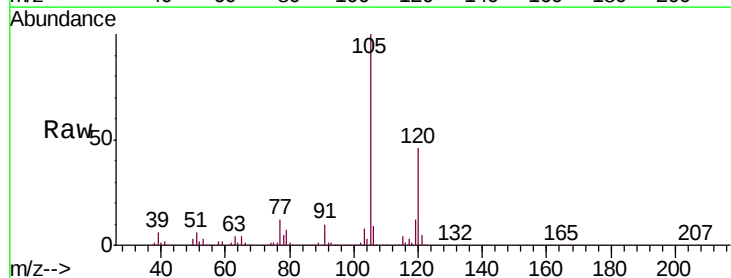
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78
 1,2,4-Trimethylbenzene
 Concen: 26.771 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

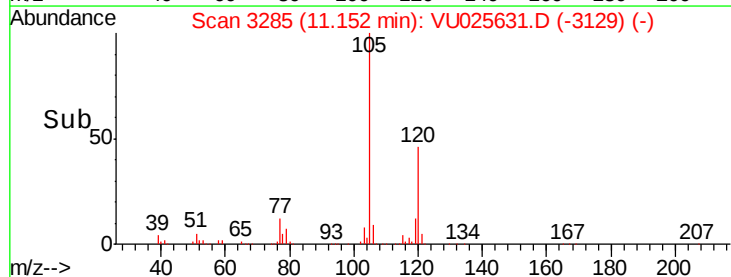
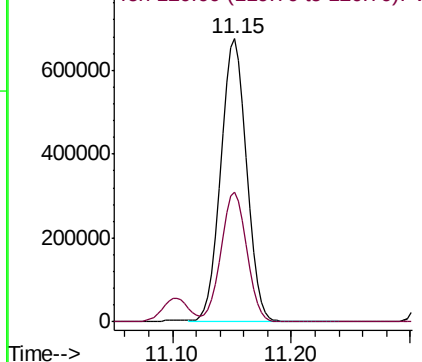
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1015246		
120	45.9	23.1	69.3	

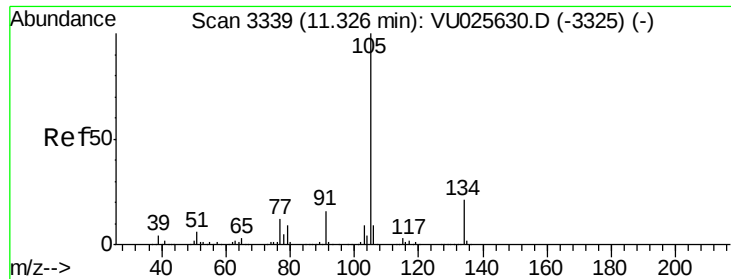


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 26.039 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1283097

Ion Ratio Lower Upper

105 100

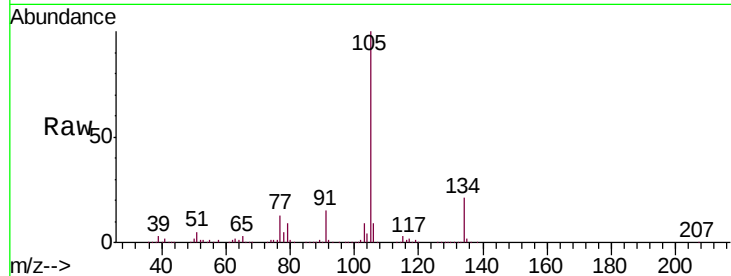
134 20.4 15.6 23.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

800000

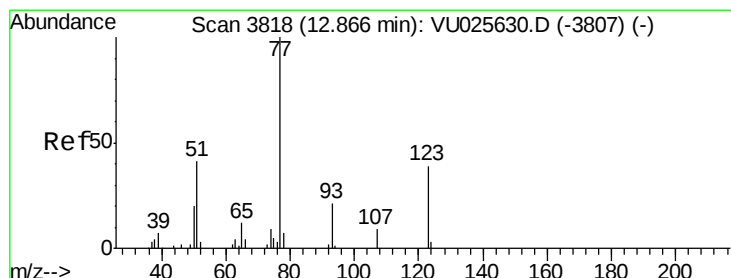
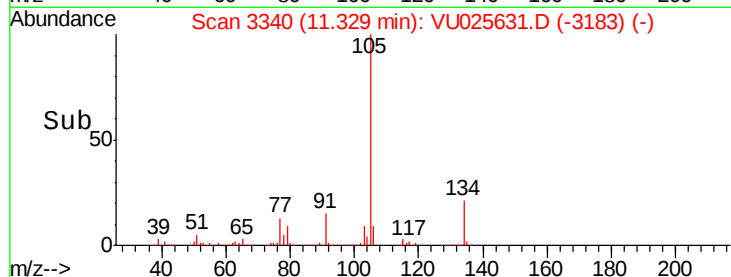
600000

400000

200000

0

Time-->



#80

Nitrobenzene

Concen: 133.381 ug/l

RT: 12.87 min Scan# 3818

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

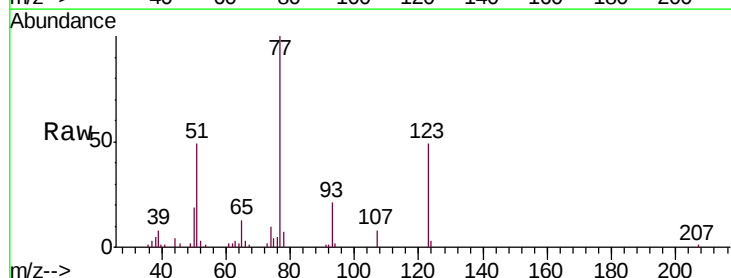
Tgt Ion: 77 Resp: 39744

Ion Ratio Lower Upper

77 100

123 45.7 19.4 68.6

65 14.1 11.2 14.2



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.87

30000

25000

20000

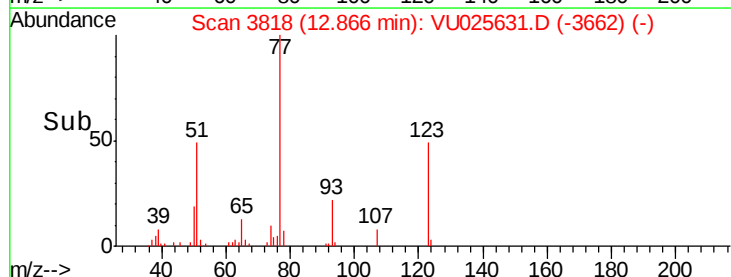
15000

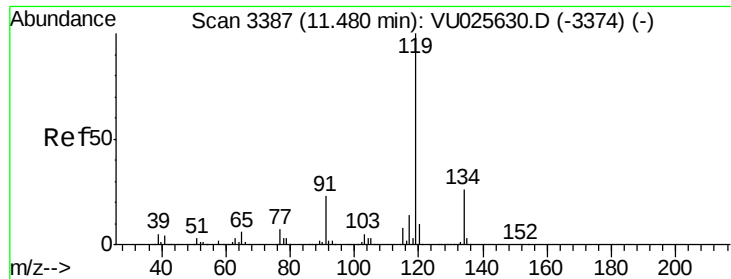
10000

5000

0

Time-->





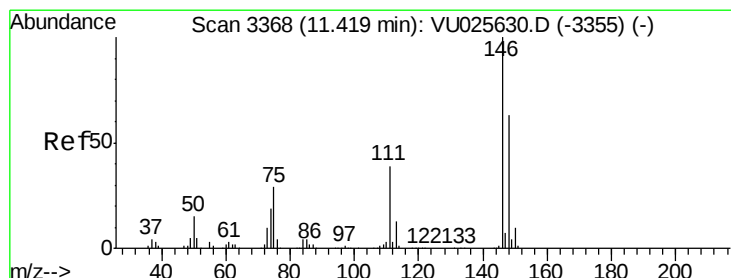
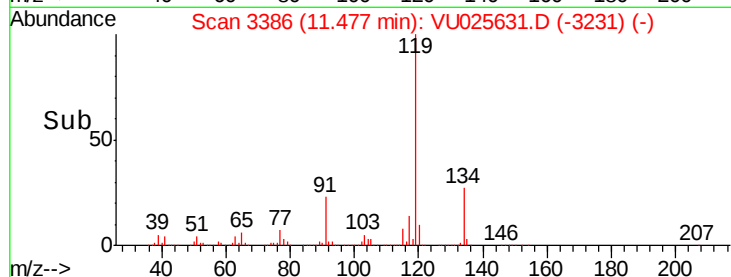
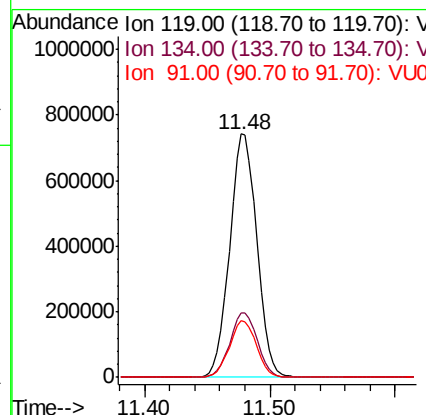
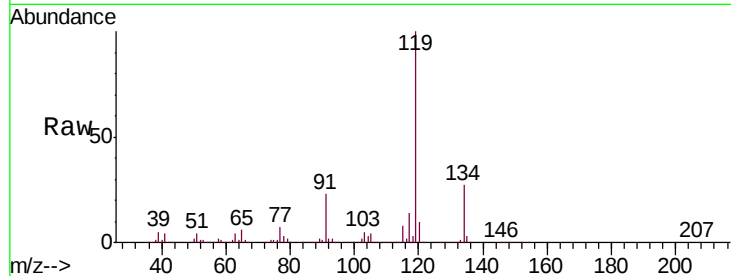
#81
 p-Isopropyltoluene
 Concen: 27.422 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.9	31.3
91	23.2	18.2	27.2

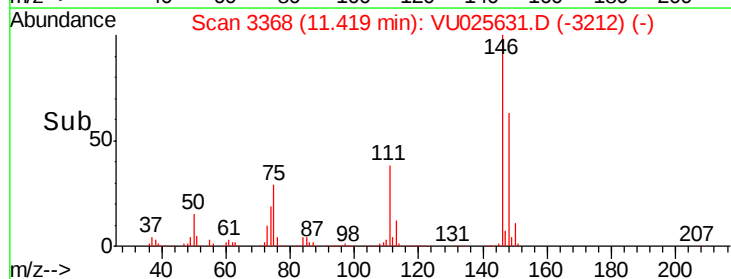
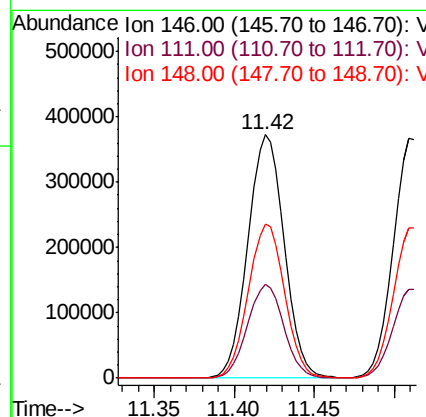
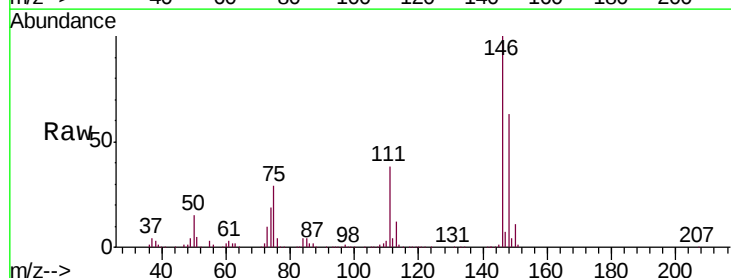
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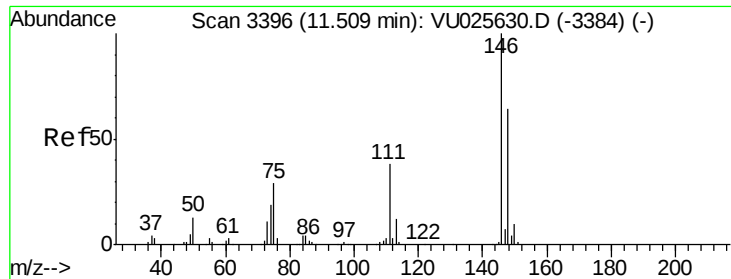
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#82
 1,3-Dichlorobenzene
 Concen: 26.037 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	31.8	47.6
148	63.5	51.0	76.4





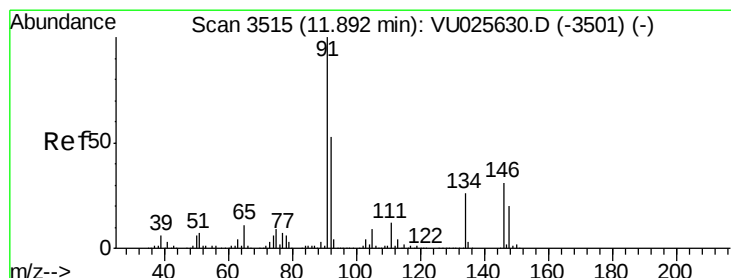
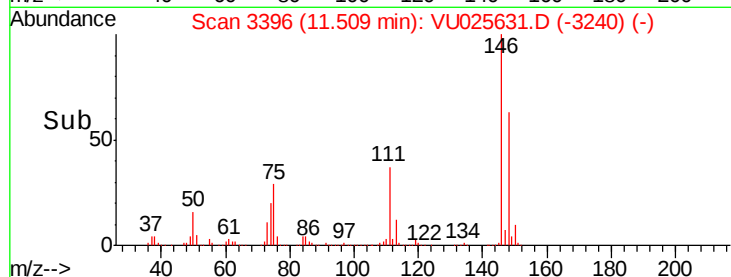
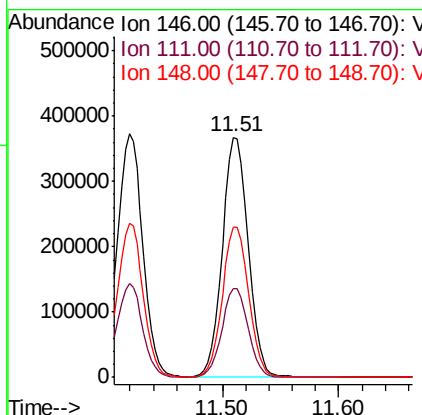
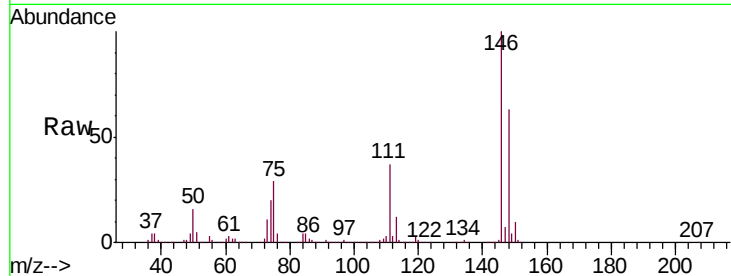
#83
 1,4-Dichlorobenzene
 Concen: 25.829 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	30.1	45.1
148	63.5	50.6	76.0

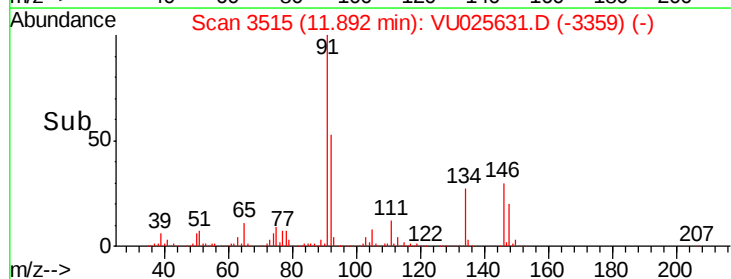
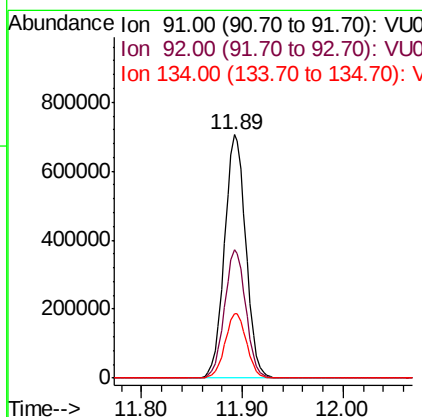
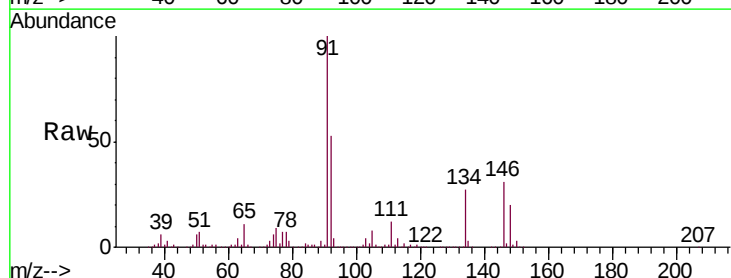
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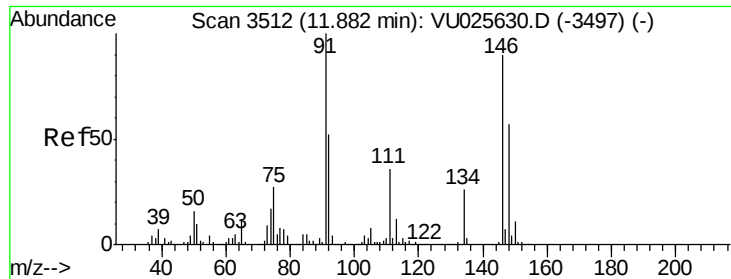
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#84
 n-Butylbenzene
 Concen: 26.432 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	42.2	63.2
134	26.7	20.3	30.5





#85

1,2-Dichlorobenzene

Concen: 26.260 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

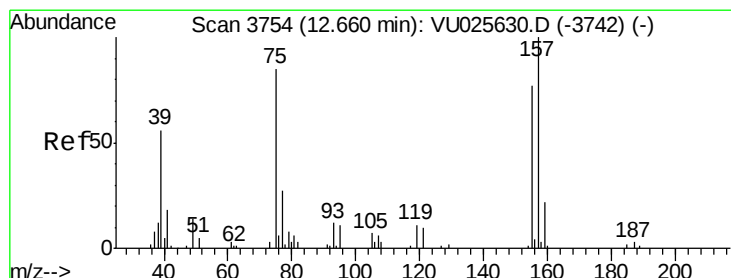
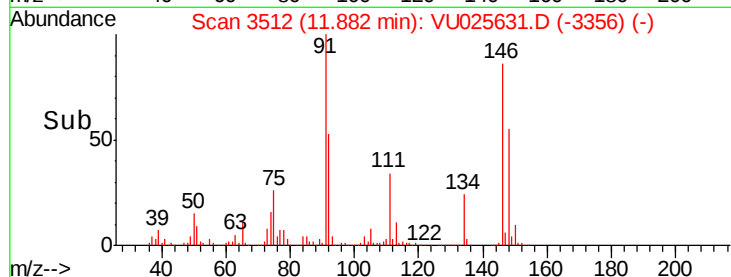
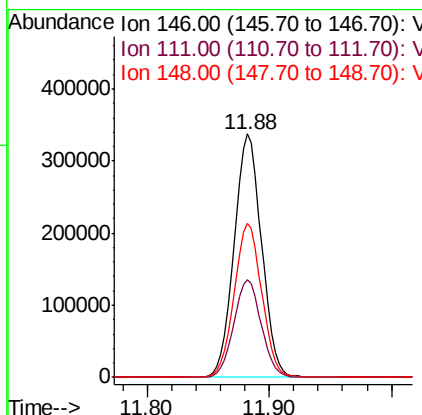
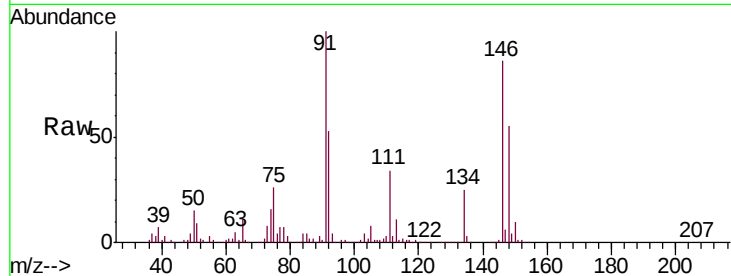
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	525237
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.7	62.1
148	63.6	31.9	95.5

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#86

1,2-Dibromo-3-Chloropropane

Concen: 30.764 ug/l

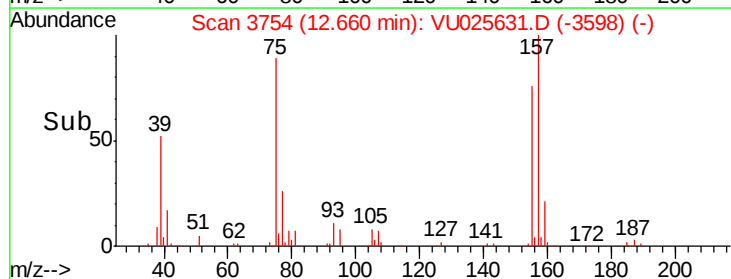
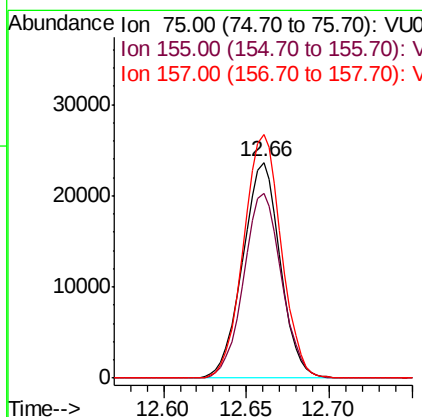
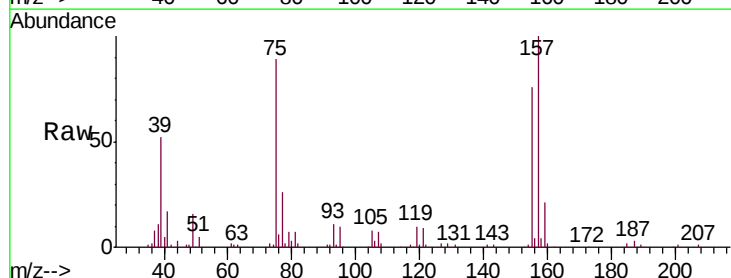
RT: 12.66 min Scan# 3754

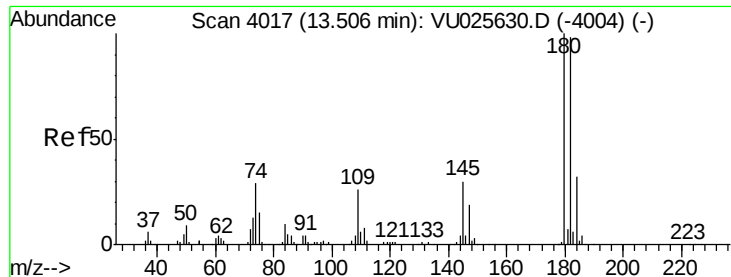
Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Tgt Ion:	75	Resp:	37246
Ion Ratio	Lower	Upper	
75	100		
155	86.2	65.8	98.6
157	113.0	83.5	125.3





#87

1,2,4-Trichlorobenzene

Concen: 27.590 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

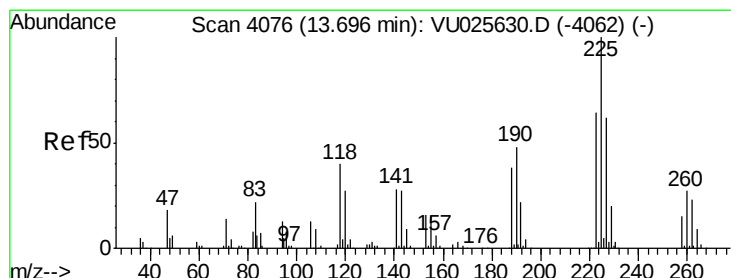
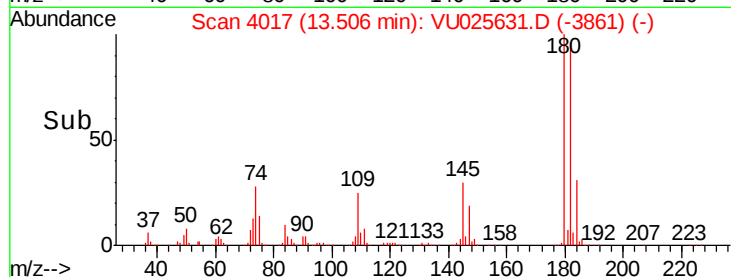
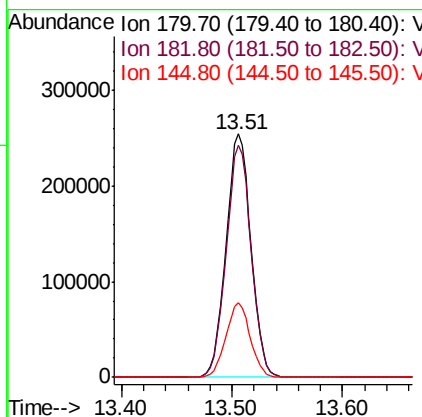
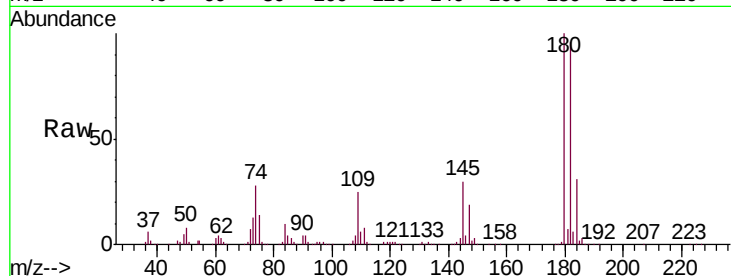
ClientSampleId :

VSTDIC020

Tot Ion:	180	Resp:	399150
Ion Ratio	Lower	Upper	
180	100		
182	95.4	77.1	115.7
145	29.8	23.3	34.9

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#88

Hexachlorobutadiene

Concen: 25.933 ug/l

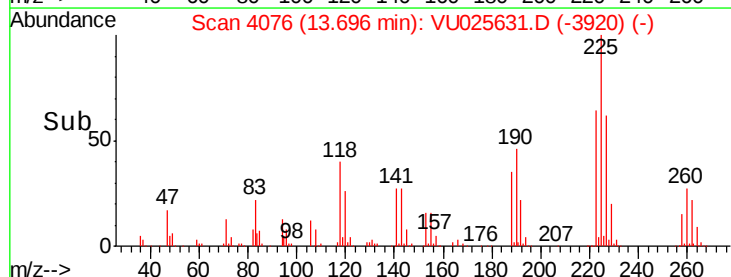
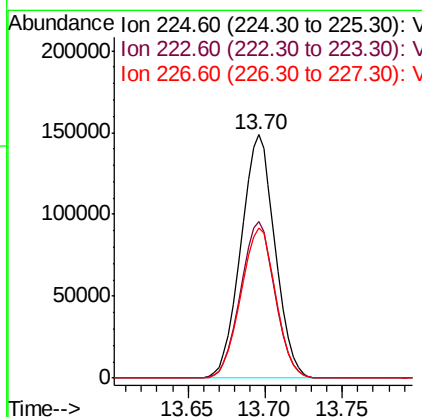
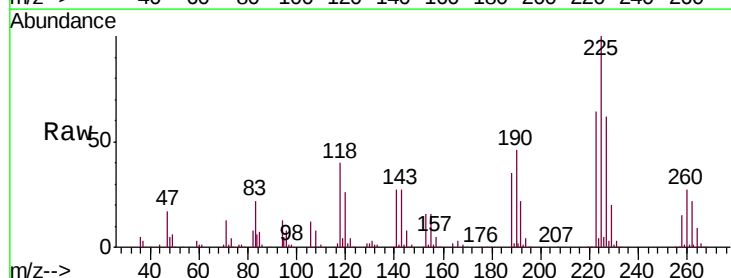
RT: 13.70 min Scan# 4076

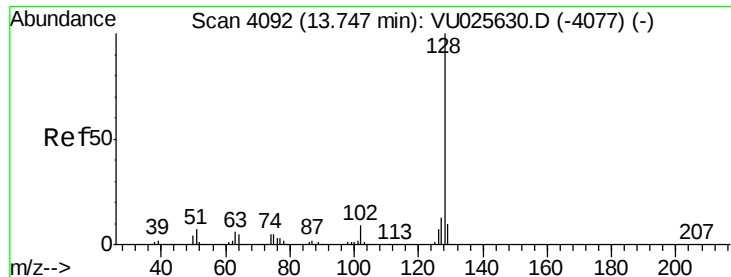
Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Tgt Ion:	225	Resp:	227485
Ion Ratio	Lower	Upper	
225	100		
223	64.5	50.6	75.8
227	63.0	51.8	77.6





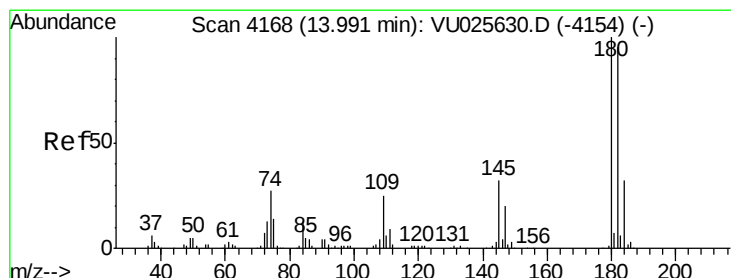
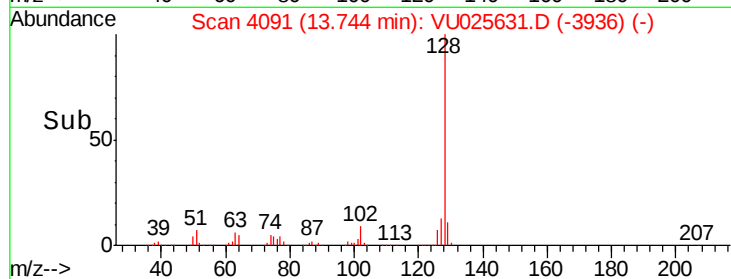
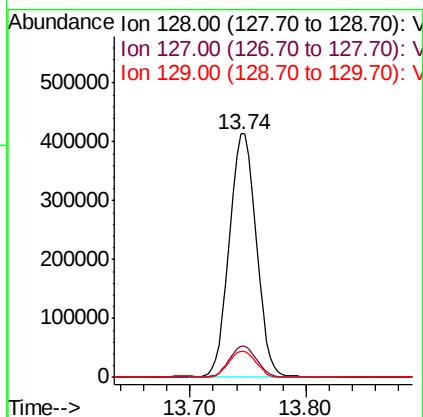
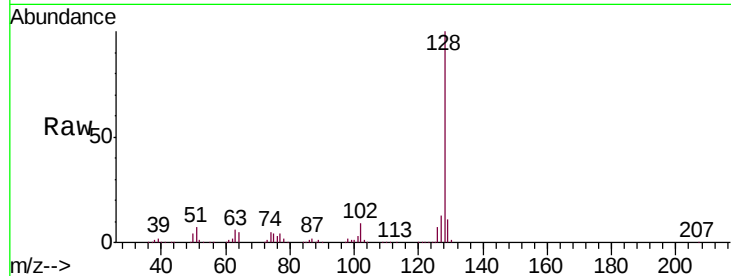
#89
Naphthalene
Concen: 30.607 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 26.315 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.8	115.2
145	32.0	24.6	36.8

