

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025662.D
 Acq On : 27 Jul 2018 11:28
 Operator : MD/SY
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:48:12 PM

Quant Time: Jul 28 02:15:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	177265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	260444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	262971	95.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.98%	
35) Dibromofluoromethane	4.89	113	220893	100.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.08%	
50) Toluene-d8	7.57	98	791923	105.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.52%	
62) 4-Bromofluorobenzene	10.31	95	316034	104.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	280267	152.77	ug/l	100
3) Chloromethane	1.33	50	248295	119.60	ug/l	100
4) Vinyl Chloride	1.40	62	237565	117.84	ug/l	98
5) Bromomethane	1.61	94	103036	69.96	ug/l	99
6) Chloroethane	1.68	64	135538	96.47	ug/l	99
7) Trichlorofluoromethane	1.88	101	338125	106.72	ug/l	100
8) Diethyl Ether	2.10	74	118416	99.60	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	193271	98.44	ug/l	99
10) Methyl Iodide	2.41	142	200106	104.39	ug/l	100
11) Tert butyl alcohol	2.83	59	289776	482.32	ug/l	99
12) 1,1-Dichloroethene	2.28	96	182651	101.65	ug/l	96
13) Acrolein	2.19	56	104088	261.88	ug/l	100
14) Allyl chloride	2.59	41	360418	110.60	ug/l	90
15) Acrylonitrile	2.94	53	610720	494.43	ug/l	100
16) Acetone	2.32	43	593080	398.80	ug/l	97
17) Carbon Disulfide	2.47	76	596256	107.12	ug/l	100
18) Methyl Acetate	2.62	43	334629	118.67	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	680679	99.59	ug/l	98
20) Methylene Chloride	2.70	84	221352	90.59	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	211596	103.05	ug/l	99
22) Diisopropyl ether	3.57	45	660112	99.19	ug/l	94
23) Vinyl Acetate	3.53	43	2913069	498.98	ug/l	100
24) 1,1-Dichloroethane	3.45	63	390743	104.11	ug/l	99
25) 2-Butanone	4.27	43	892950	467.79	ug/l	100
26) 2,2-Dichloropropane	4.23	77	345944	95.86	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	237904	100.13	ug/l	99
28) Bromochloromethane	4.55	49	169616	93.59	ug/l	99
29) Tetrahydrofuran	4.64	42	549463	479.89	ug/l	99
30) Chloroform	4.68	83	408100	102.67	ug/l	99
31) Cyclohexane	5.00	56	341896	81.99	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	375431	104.22	ug/l	98
36) 1,1-Dichloropropene	5.14	75	305908	105.65	ug/l	99
37) Ethyl Acetate	4.38	43	318828	98.74	ug/l	98
38) Carbon Tetrachloride	5.14	117	341668	109.63	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	352885	97.71	ug/l	98
40) Benzene	5.39	78	865859	103.77	ug/l	98
41) Methacrylonitrile	4.54	41	177494	99.14	ug/l	98
42) 1,2-Dichloroethane	5.41	62	331135	99.84	ug/l	99
43) Isopropyl Acetate	5.55	43	522001	100.95	ug/l	99
44) Trichloroethene	6.19	130	241123	100.64	ug/l	98
45) 1,2-Dichloropropane	6.44	63	227719	104.20	ug/l	100
46) Dibromomethane	6.56	93	166039	104.40	ug/l	99
47) Bromodichloromethane	6.76	83	319786	108.24	ug/l	97
48) Methyl methacrylate	6.63	41	270414	104.90	ug/l	97
49) 1,4-Dioxane	6.62	88	124954	2014.43	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1695074	504.34	ug/l	100
52) Toluene	7.64	92	557713	105.06	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	373008	114.91	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	380731	110.20	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	230263	104.15	ug/l	98
56) Ethyl methacrylate	8.02	69	351430	101.77	ug/l	96
57) 1,3-Dichloropropane	8.25	76	384182	104.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	747305	613.28	ug/l	99
59) 2-Hexanone	8.36	43	1362944	499.95	ug/l	98
60) Dibromochloromethane	8.48	129	275138	115.23	ug/l	100
61) 1,2-Dibromoethane	8.59	107	258995	109.48	ug/l	99
64) Tetrachloroethene	8.23	164	218610	93.24	ug/l	98
65) Chlorobenzene	9.12	112	647837	100.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	242284	105.42	ug/l	99
67) Ethyl Benzene	9.25	91	1103038	100.70	ug/l	99
68) m/p-Xylenes	9.38	106	875274	206.68	ug/l	98
69) o-Xylene	9.78	106	420004	99.06	ug/l	99
70) Styrene	9.80	104	701705	104.19	ug/l	98
71) Bromoform	9.96	173	224051	112.72	ug/l #	100
73) Isopropylbenzene	10.17	105	1141659	89.12	ug/l	100
74) N-amyl acetate	10.01	43	496124	89.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	388719	92.75	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	370113m	96.94	ug/l	
77) Bromobenzene	10.45	156	309434	94.42	ug/l	98
78) n-propylbenzene	10.59	91	1350272	94.99	ug/l	99
79) 2-Chlorotoluene	10.66	91	783290	88.05	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	989590	91.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	144716m	108.34	ug/l	
82) 4-Chlorotoluene	10.78	91	942176	93.60	ug/l	99
83) tert-Butylbenzene	11.10	119	982868	90.23	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	1017780	92.13	ug/l	98
85) sec-Butylbenzene	11.33	105	1204869	93.94	ug/l	100
86) p-Isopropyltoluene	11.48	119	1093772	96.32	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	578637	96.61	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	587726	95.54	ug/l	99
89) n-Butylbenzene	11.89	91	1010509	108.25	ug/l	100
90) Hexachloroethane	12.15	117	193024	100.38	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	570991	94.40	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	98381	96.79	ug/l	97

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ClientSampleId :
VSTDICC100

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jul 27 12:00:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	420663	106.14	ug/l	99
94) Hexachlorobutadiene	13.70	225	200038	92.47	ug/l	99
95) Naphthalene	13.74	128	1272877	93.36	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	414114	96.90	ug/l	99

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

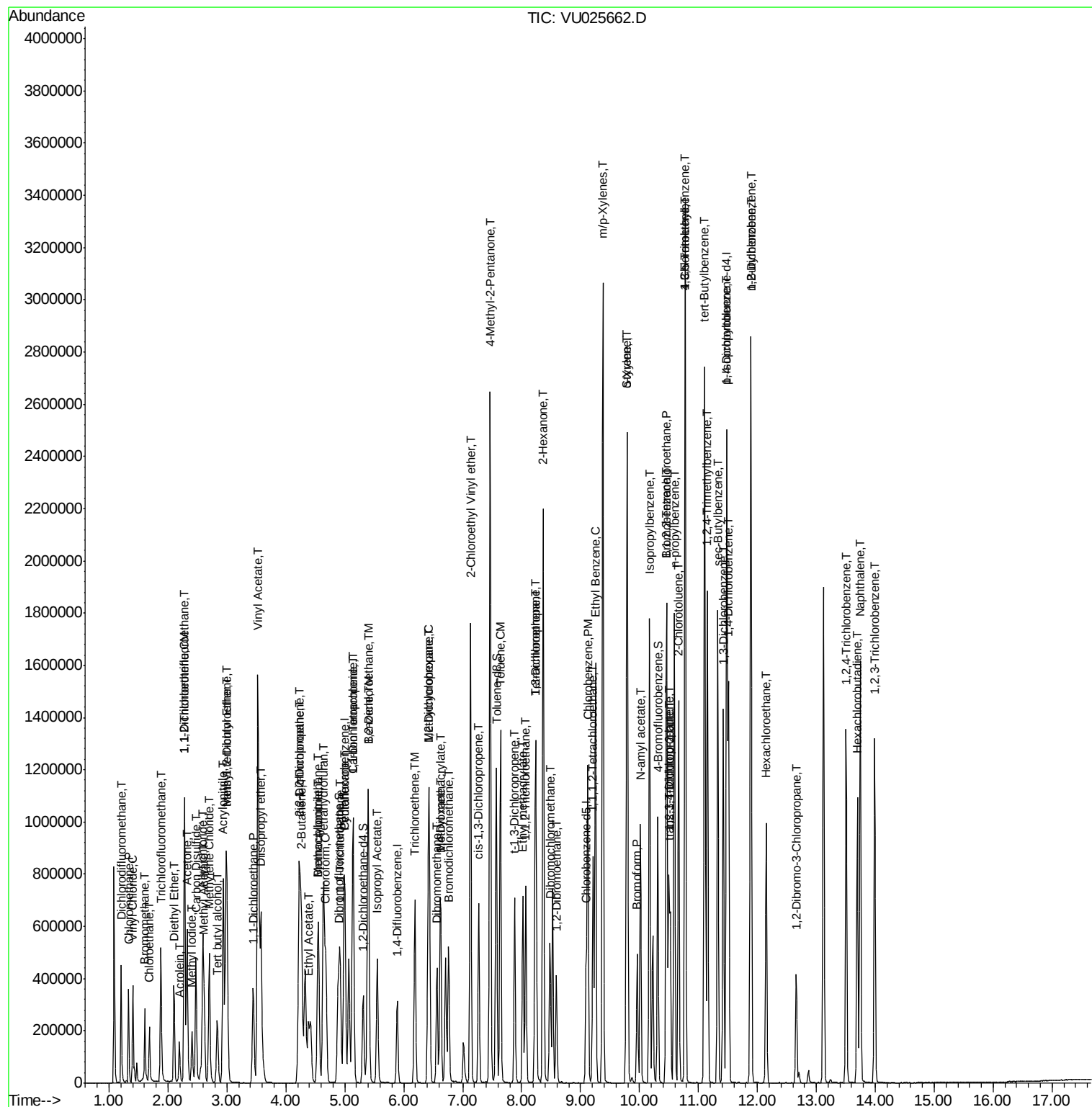
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Acq On : 27 Jul 2018 11:28
Operator : MD/SY
Sample : VSTDIC100
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ALS Vial : 6 Sample Multiplier: 1

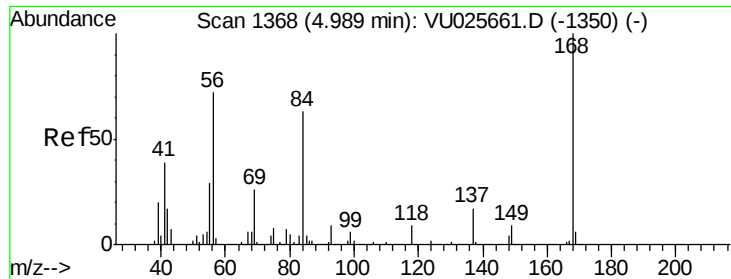
Instrument :
MSVOA_U
ClientSampleID :
VSTDIC100

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 177265

Ion Ratio Lower Upper

168 100

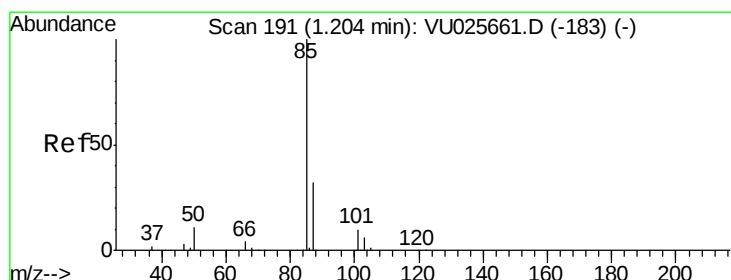
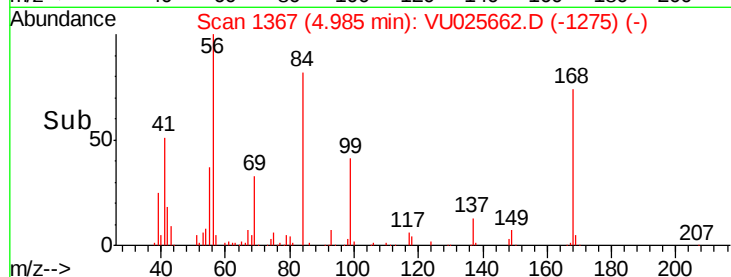
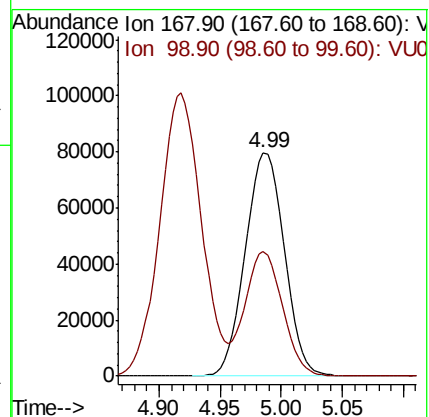
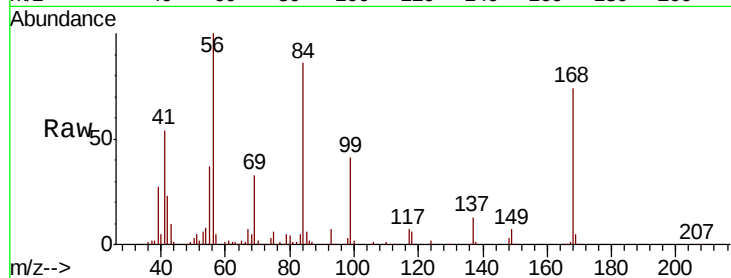
99 55.5 42.8 64.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 152.77 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025662.D

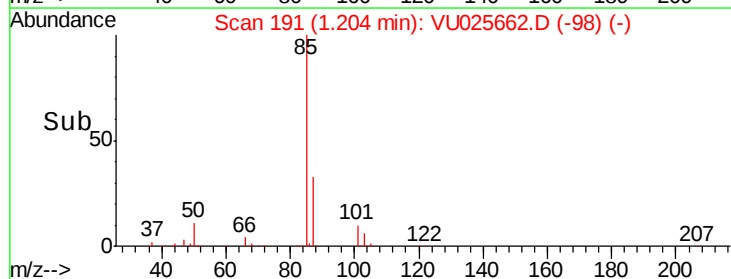
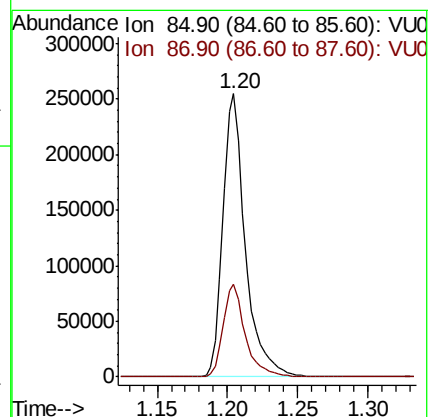
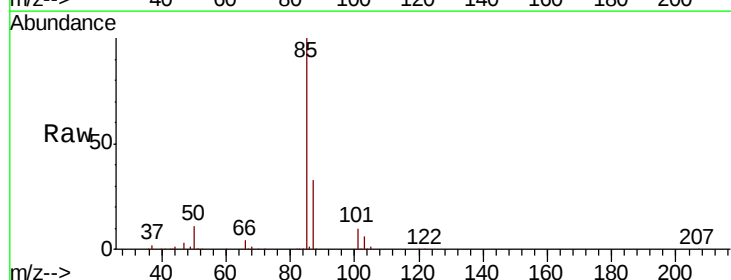
Acq: 27 Jul 2018 11:28

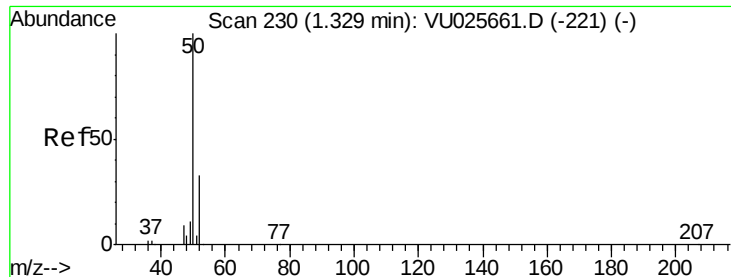
Tgt Ion: 85 Resp: 280267

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5





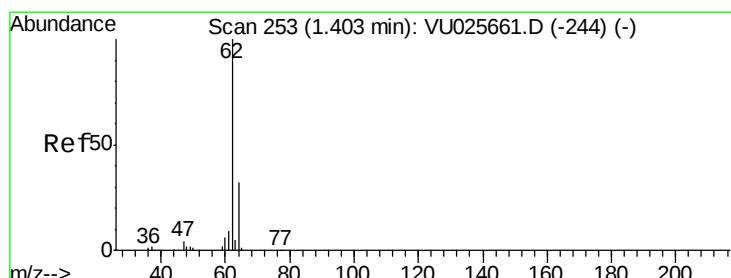
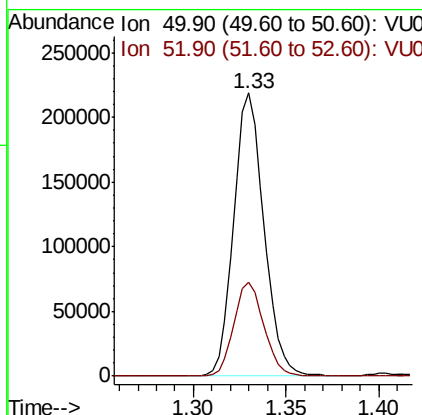
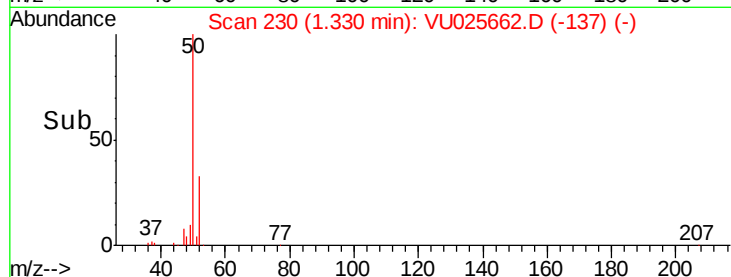
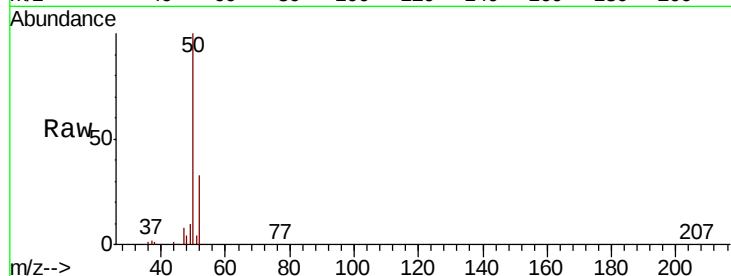
#3
Chloromethane
Concen: 119.60 ug/l
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.5	39.7

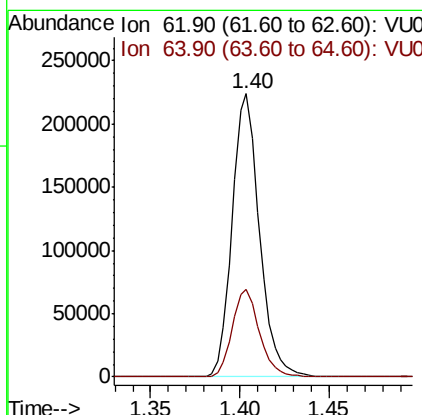
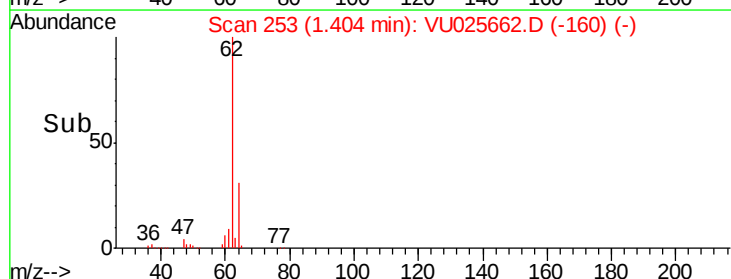
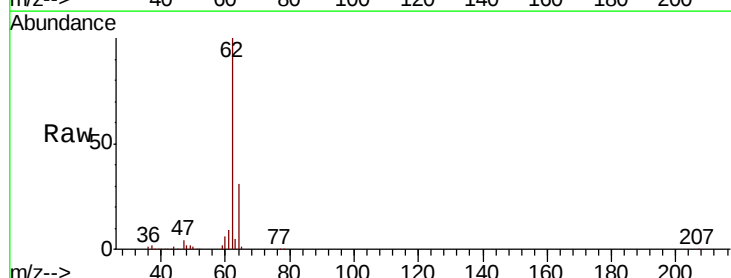
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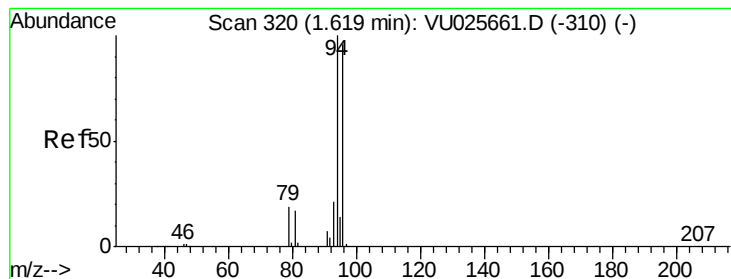
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#4
Vinyl Chloride
Concen: 117.84 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.8	25.4	38.0





#5

Bromomethane

Concen: 69.96 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.01 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 103036

Ion Ratio Lower Upper

94 100

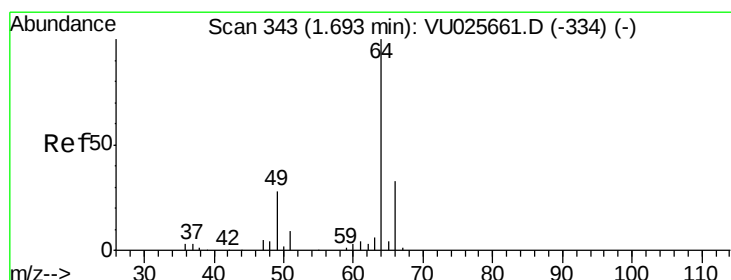
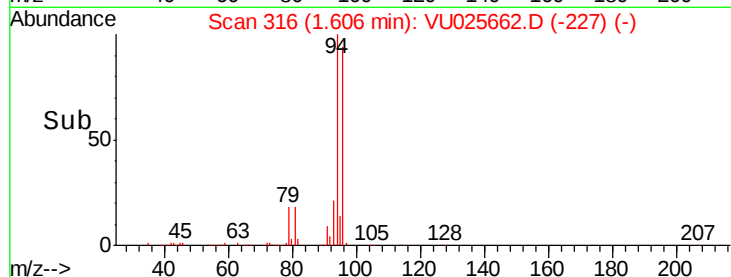
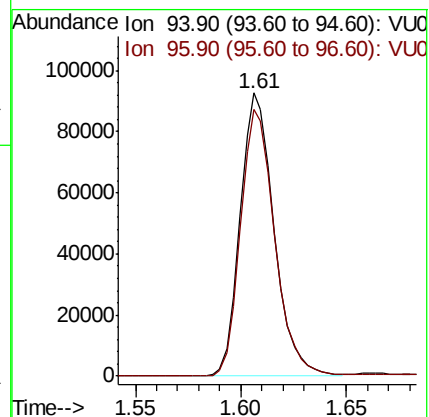
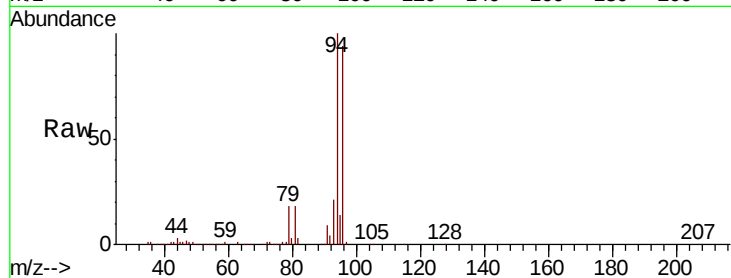
96 94.3 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 96.47 ug/l

RT: 1.68 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU025662.D

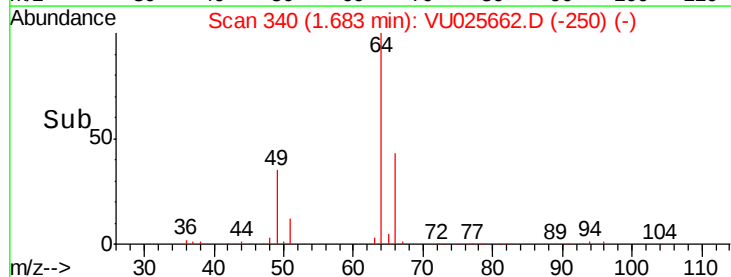
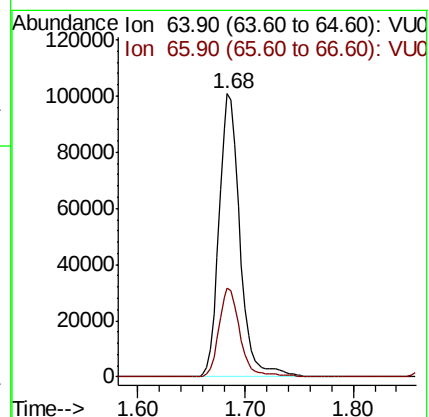
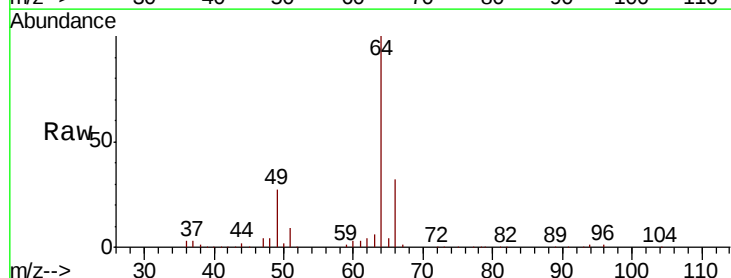
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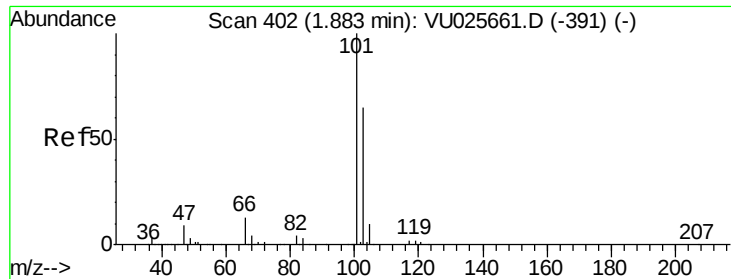
Tgt Ion: 64 Resp: 135538

Ion Ratio Lower Upper

64 100

66 31.5 25.0 37.4





#7

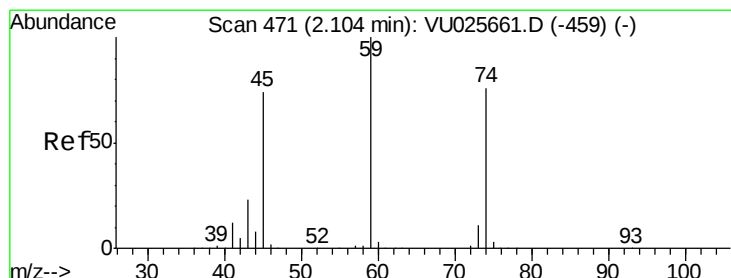
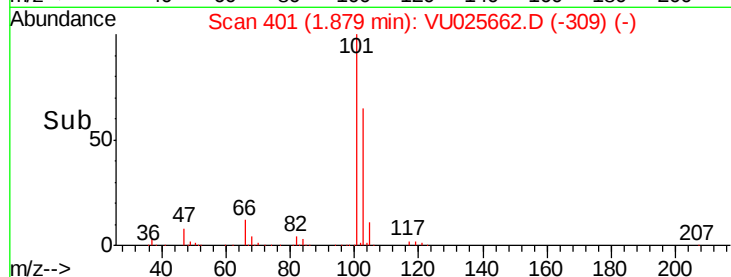
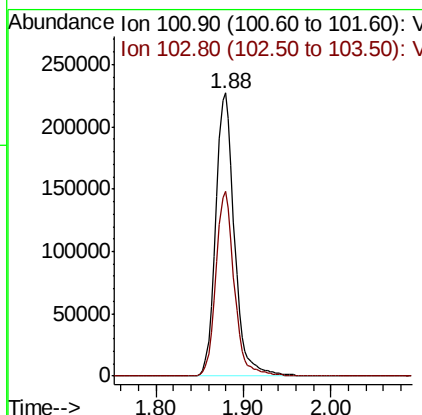
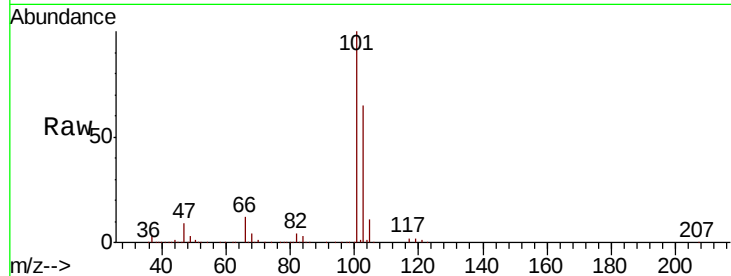
Trichlorofluoromethane
Concen: 106.72 ug/l
RT: 1.88 min Scan# 401
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
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VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		338125		
103	65.3	52.2	78.2		

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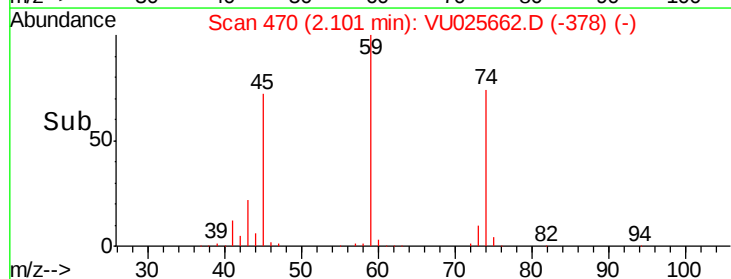
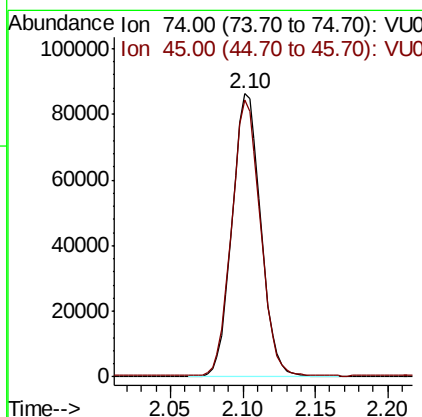
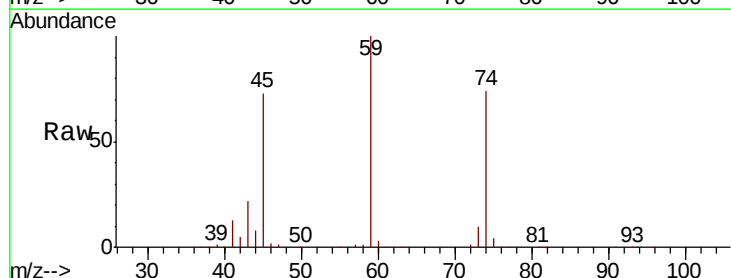
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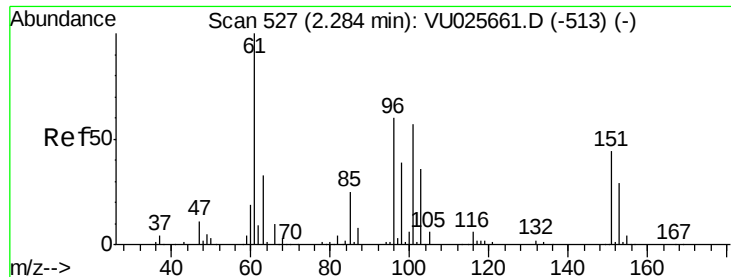


#8

Diethyl Ether
Concen: 99.60 ug/l
RT: 2.10 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		118416		
45	97.1	48.3	144.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.44 ug/l

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

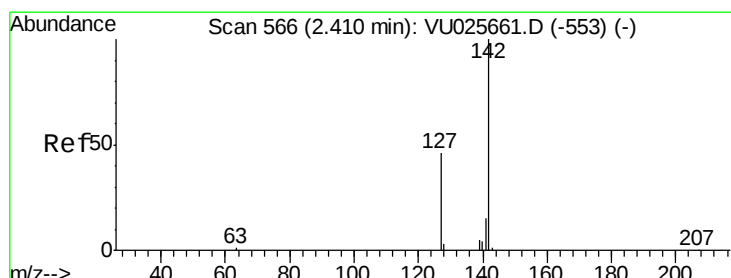
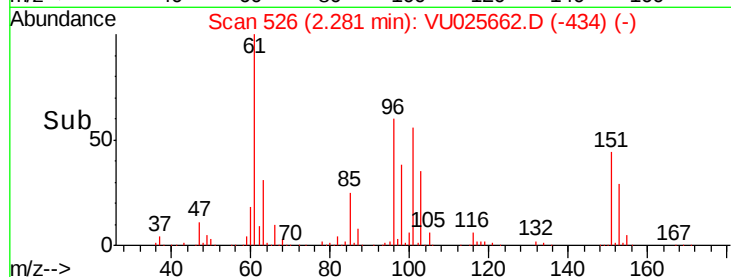
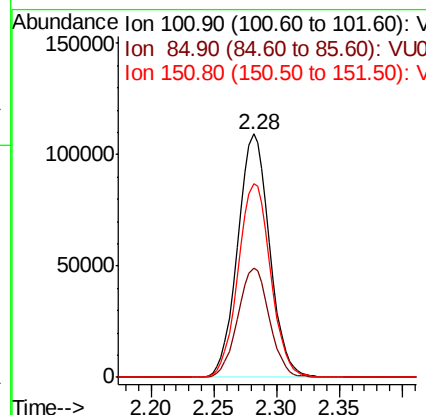
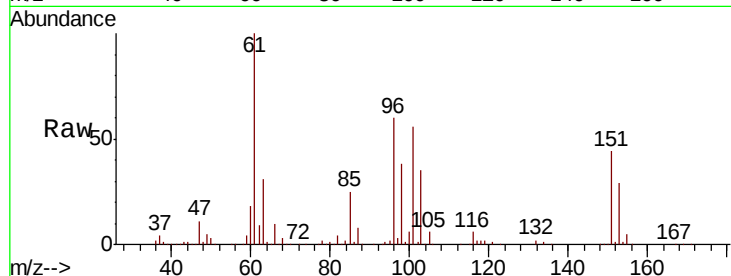
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	193271
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	81.3	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 104.39 ug/l

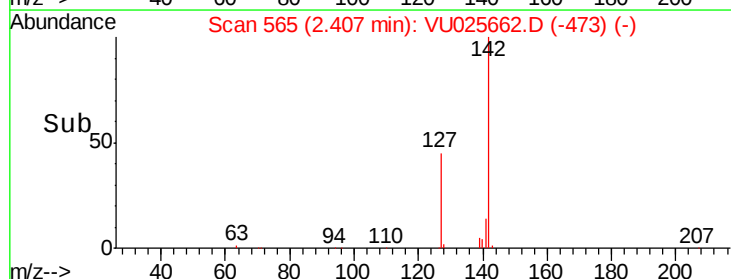
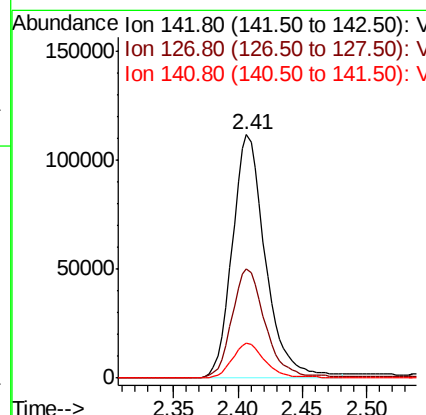
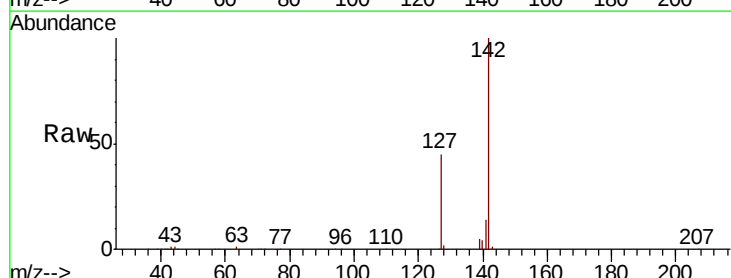
RT: 2.41 min Scan# 565

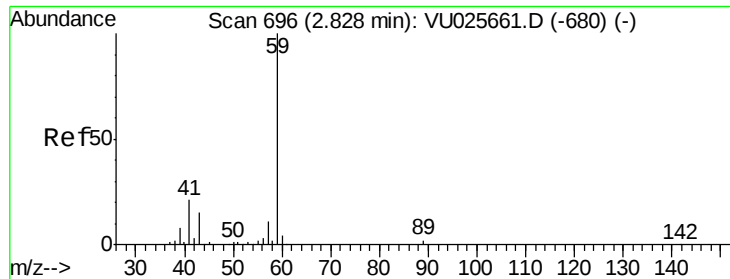
Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion:	142	Resp:	200106
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.5	54.7
141	14.4	11.4	17.2





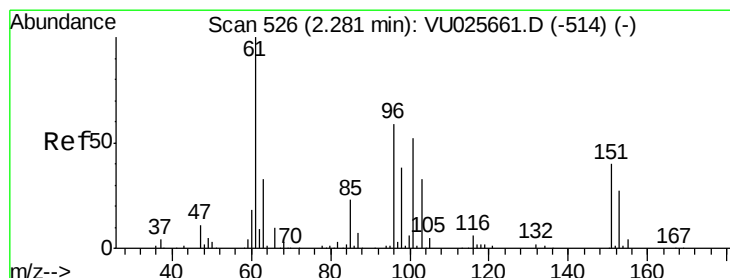
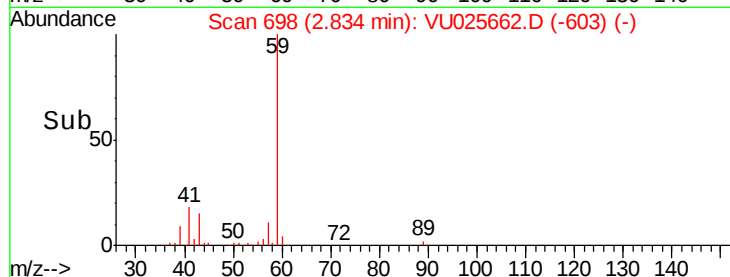
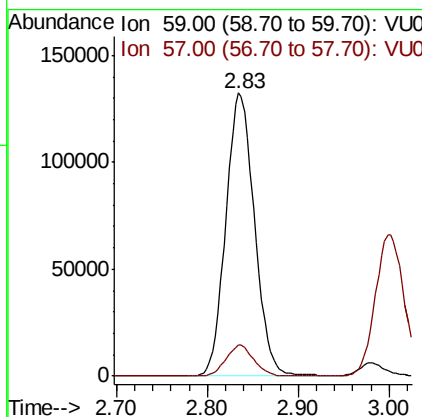
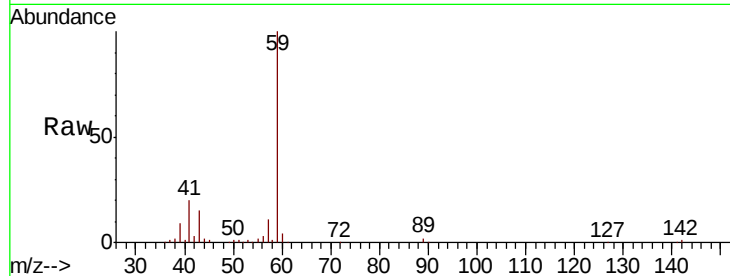
#11
Tert butyl alcohol
Concen: 482.32 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	59.00	Resp	289776
Ion Ratio	100	Lower	Upper
59	100		
57	10.5	8.2	12.2

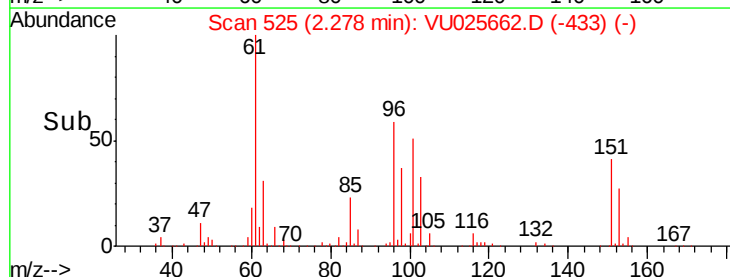
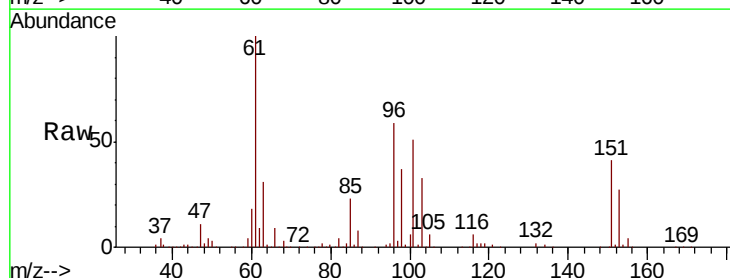
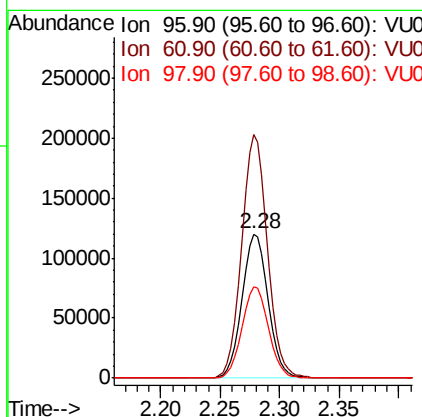
Manual Integrations
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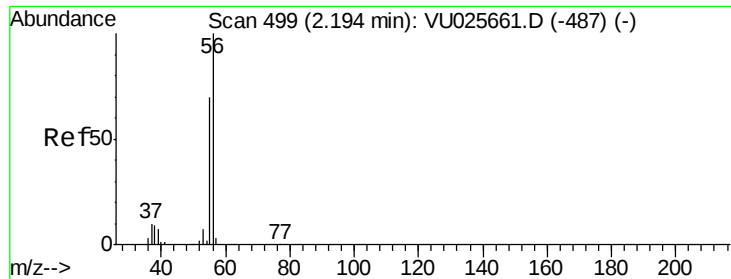
MMDadoda
7/31/2018 3:48:12 PM



#12
1,1-Dichloroethene
Concen: 101.65 ug/l
RT: 2.28 min Scan# 525
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	96	Resp	182651
Ion Ratio	100	Lower	Upper
96	100		
61	168.7	140.2	210.4
98	63.2	49.3	73.9





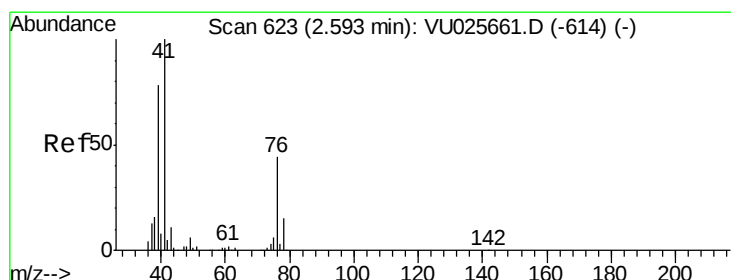
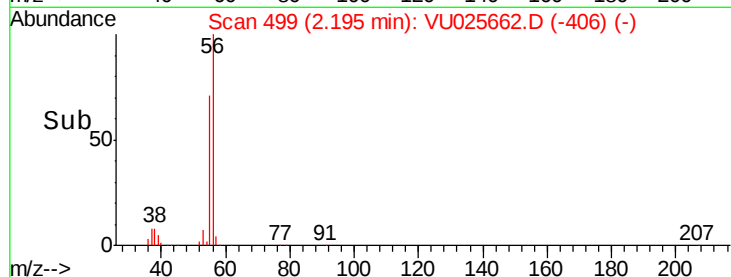
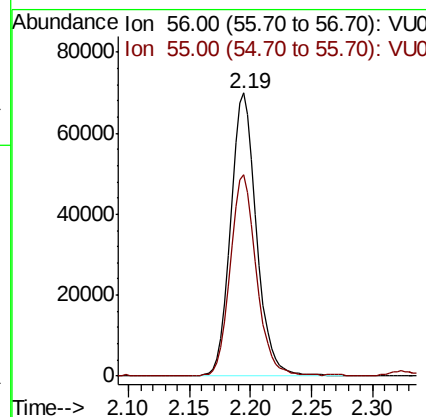
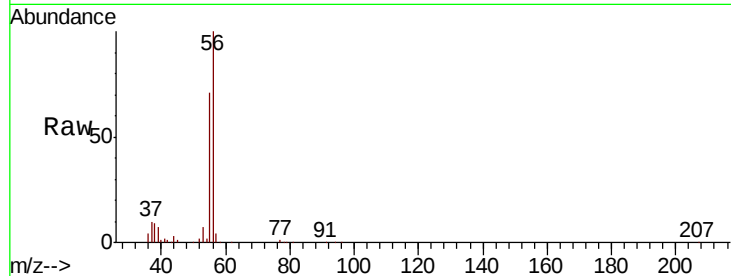
#13
Acrolein
Concen: 261.88 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

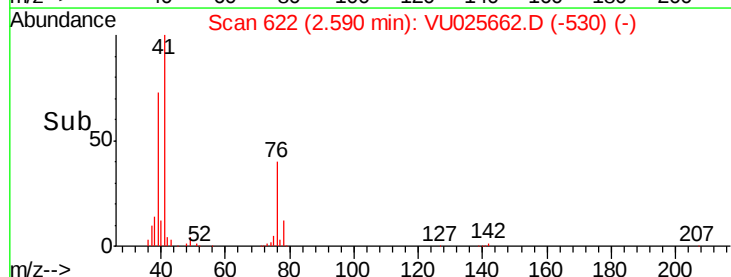
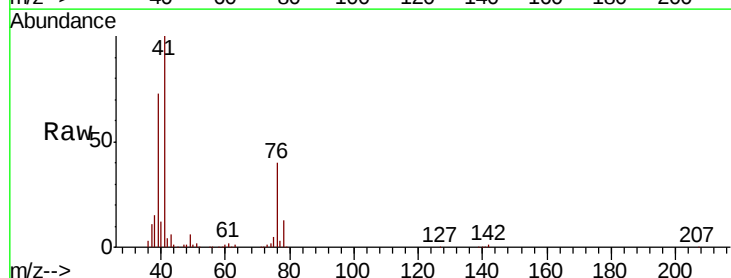
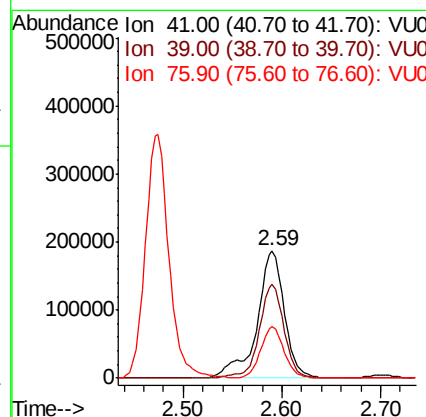
Manual Integrations
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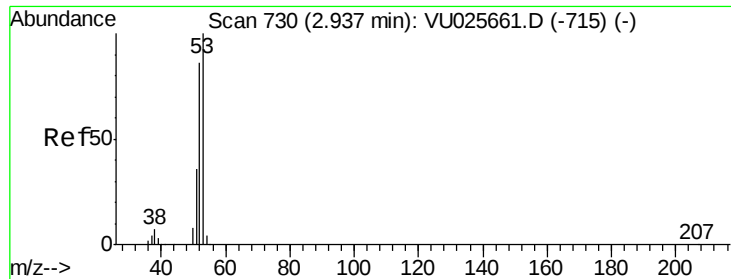
MMDadoda
7/31/2018 3:48:12 PM



#14
Allyl chloride
Concen: 110.60 ug/l
RT: 2.59 min Scan# 622
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.7	60.6	91.0
76	34.3	30.5	45.7





#15

Acrylonitrile

Concen: 494.43 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

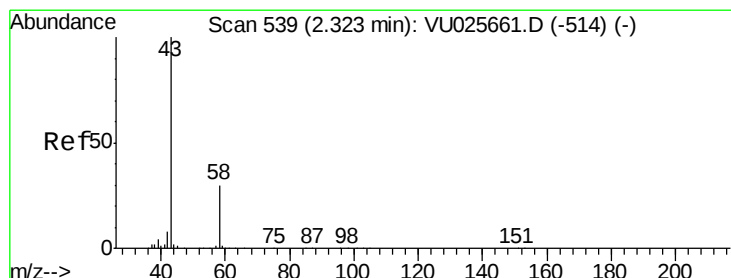
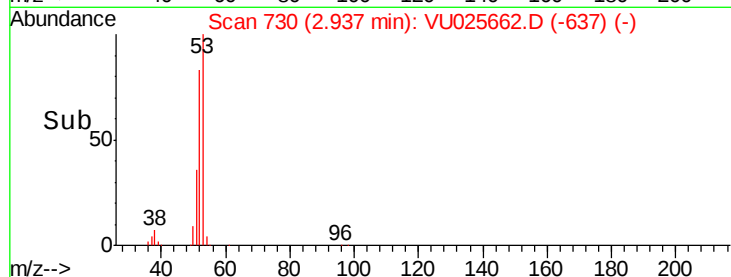
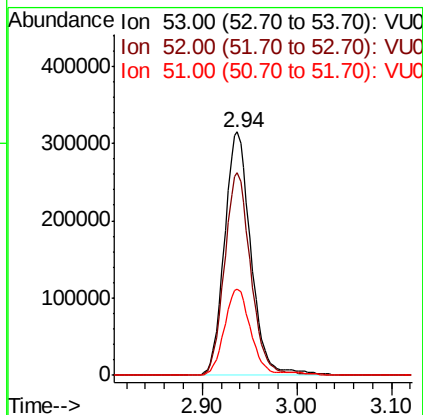
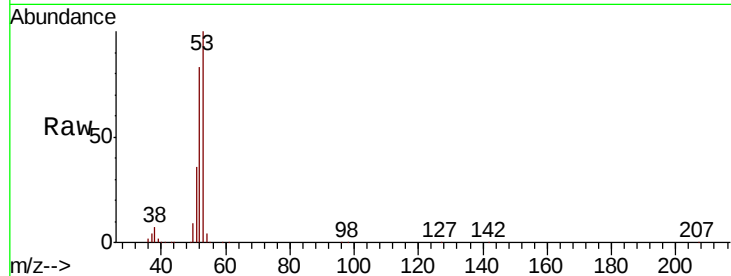
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	610720
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	99.8
51	36.5	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 398.80 ug/l

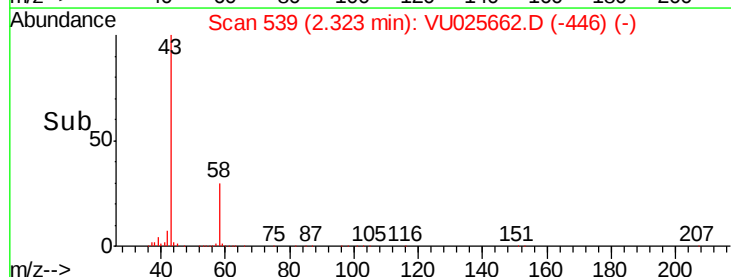
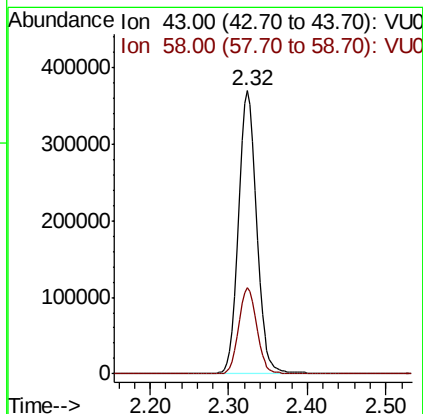
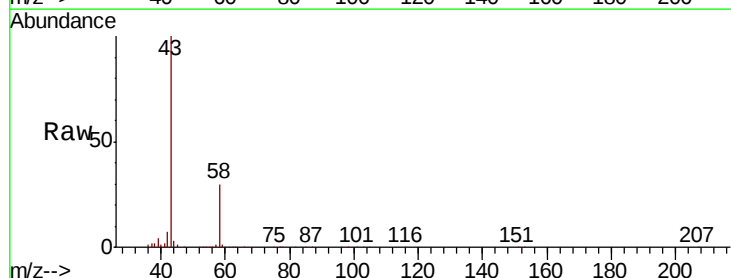
RT: 2.32 min Scan# 539

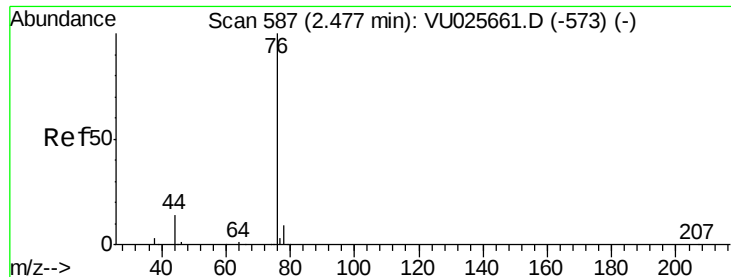
Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion:	43	Resp:	593080
Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.1	34.7





#17

Carbon Disulfide

Concen: 107.12 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 596256

Ion Ratio Lower Upper

76 100

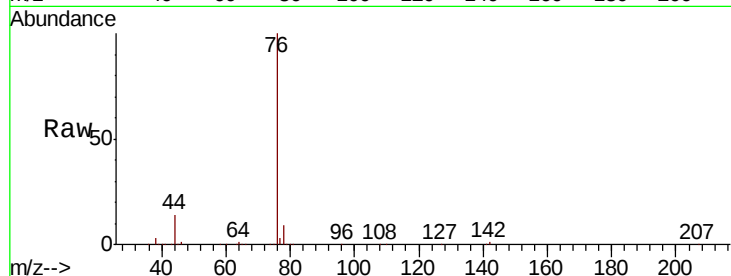
78 9.2 7.4 11.2

Manual Integrations

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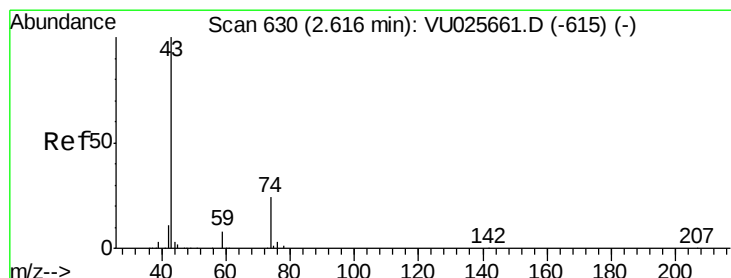
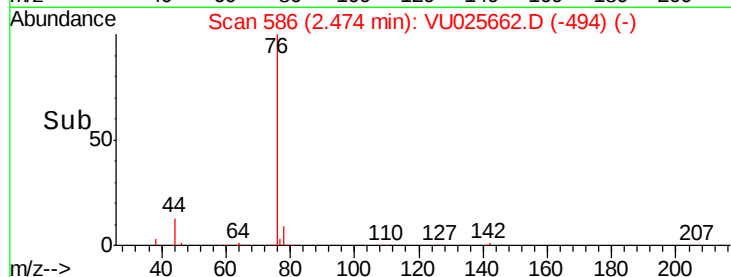
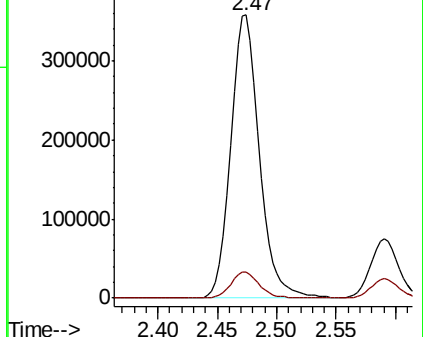
MMDadoda

7/31/2018 3:48:12 PM



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

Ion 77.90 (77.60 to 78.60): VU025662.D (-494) (-)



#18

Methyl Acetate

Concen: 118.67 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025662.D

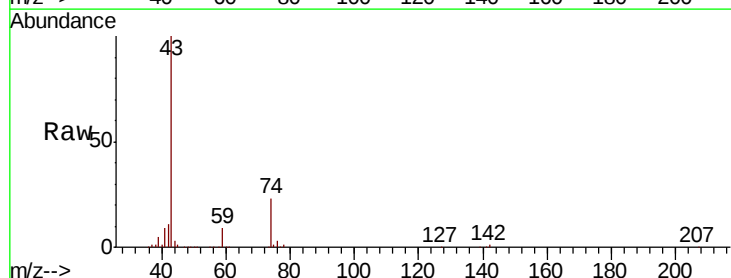
Acq: 27 Jul 2018 11:28

Tgt Ion: 43 Resp: 334629

Ion Ratio Lower Upper

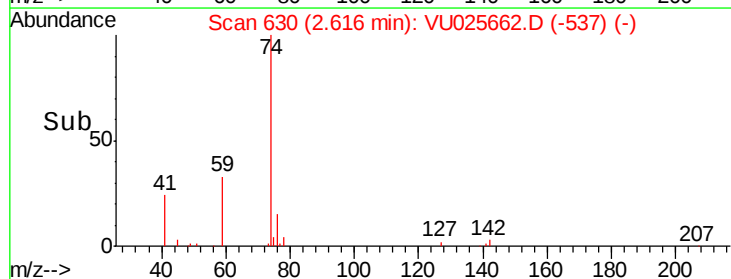
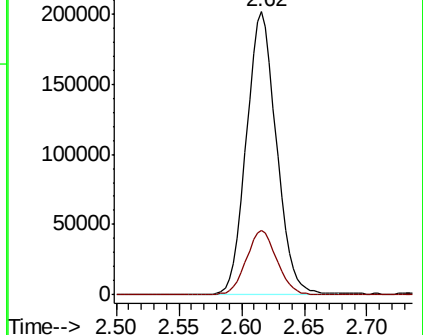
43 100

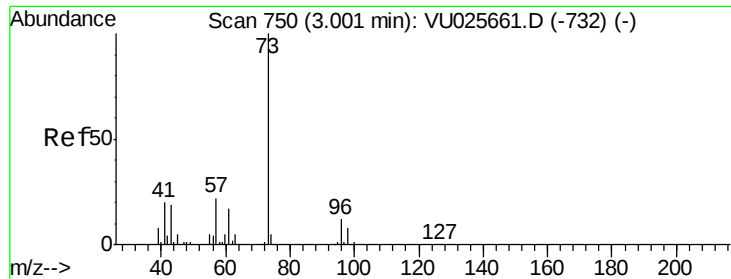
74 23.5 18.5 27.7



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

Ion 74.00 (73.70 to 74.70): VU025662.D (-537) (-)





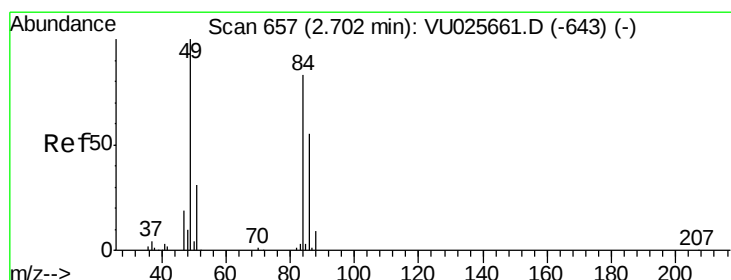
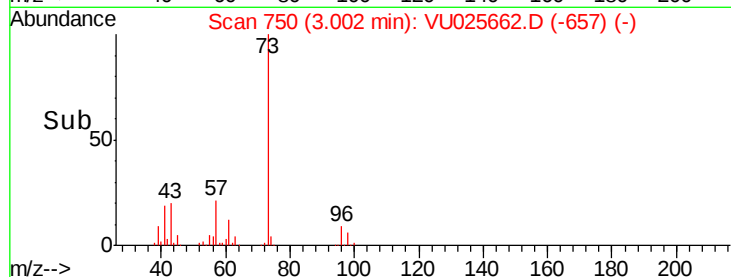
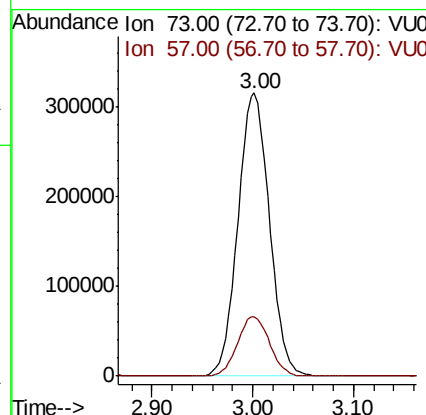
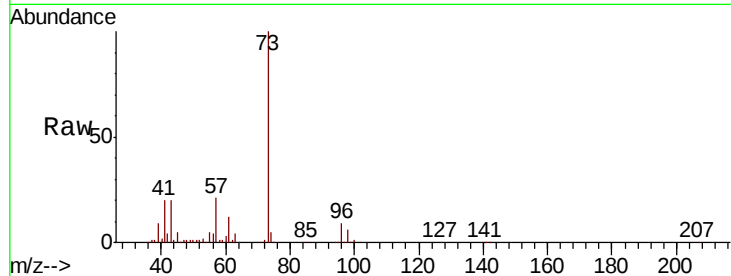
#19
Methvl tert-butvl Ether
Concen: 99.59 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

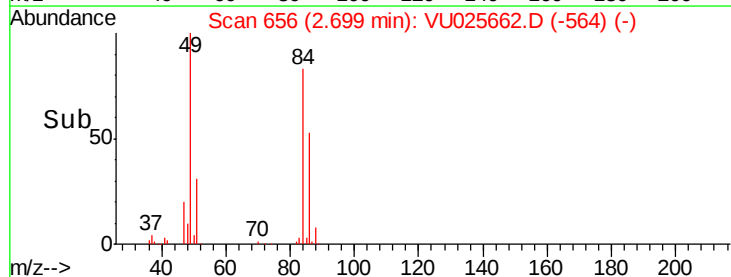
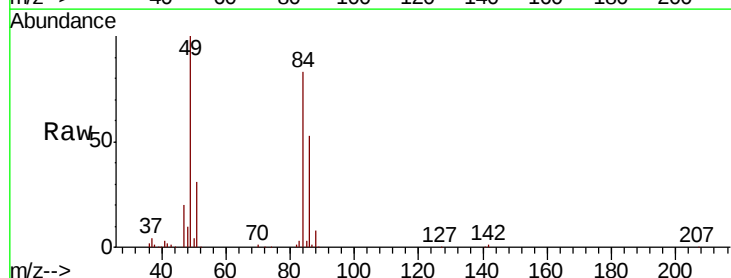
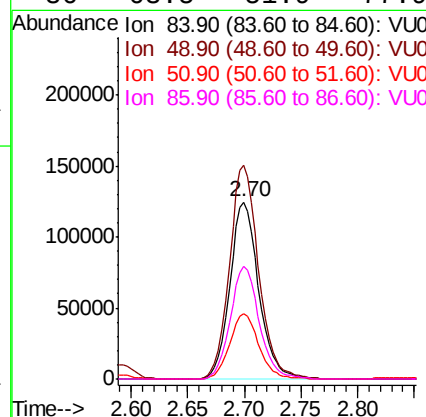
Manual Integrations
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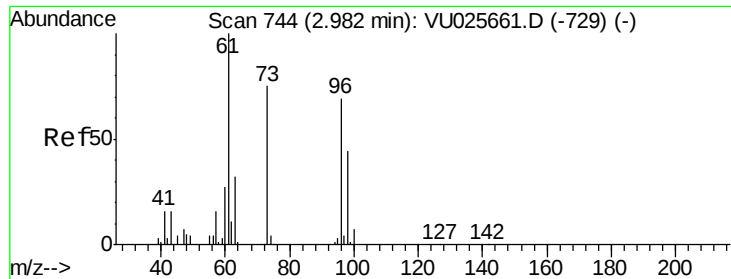
MMDadoda
7/31/2018 3:48:12 PM



#20
Methylene Chloride
Concen: 90.59 ug/l
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	101.8	152.6
51	37.0	30.8	46.2
86	63.5	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 103.05 ug/l

RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

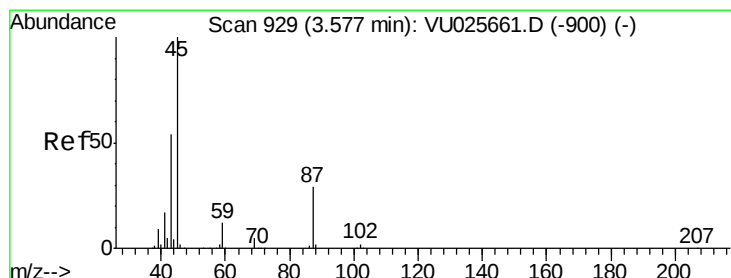
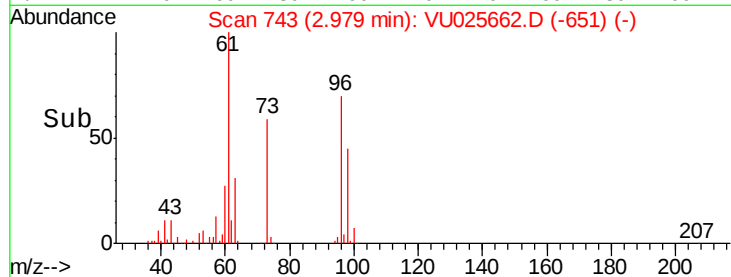
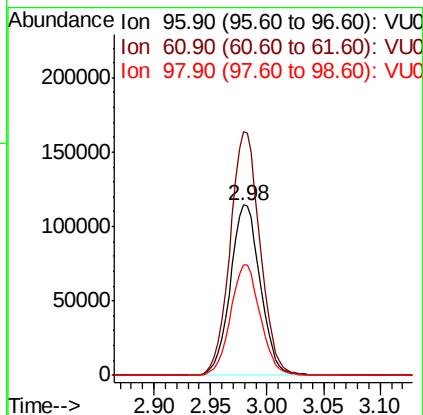
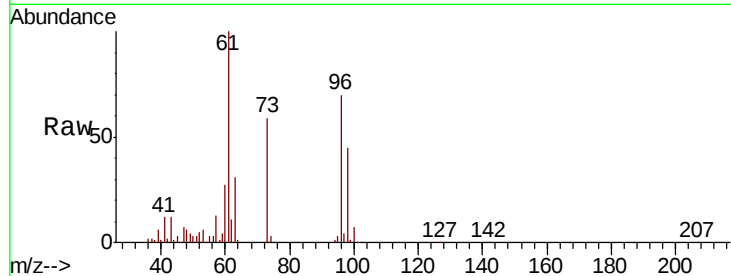
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	211596
Ion	Ratio	Lower	Upper
96	100		
61	142.7	114.5	171.7
98	64.5	50.5	75.7

Manual Integrations
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MMDadoda
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#22

Diisopropyl ether

Concen: 99.19 ug/l

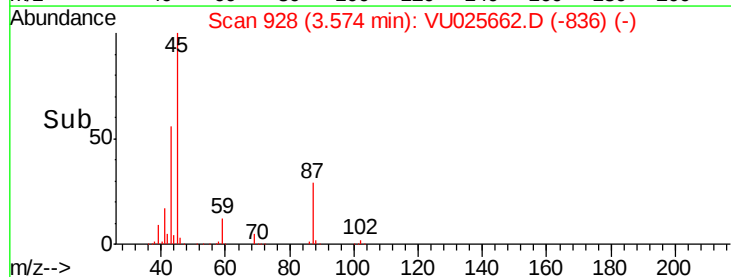
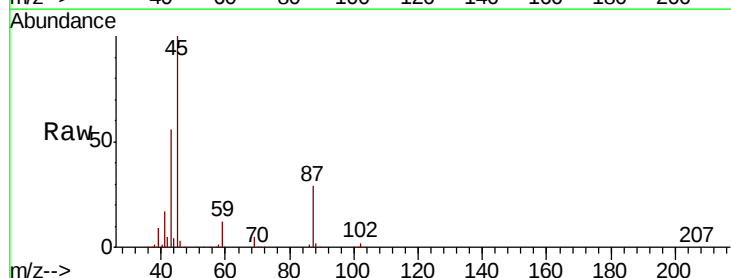
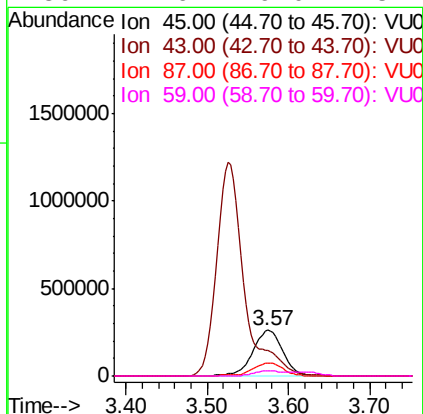
RT: 3.57 min Scan# 928

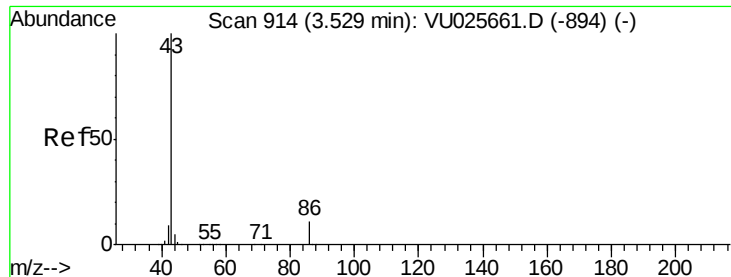
Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion:	45	Resp:	660112
Ion	Ratio	Lower	Upper
45	100		
43	56.0	50.9	76.3
87	29.0	23.8	35.8
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 498.98 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tot Ion: 43 Resp: 2913069

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2

Instrument :

MSVOA_U

ClientSampled :

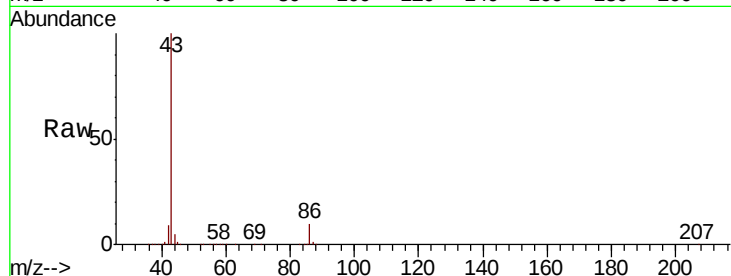
VSTDIC100

Manual Integrations

APPROVED

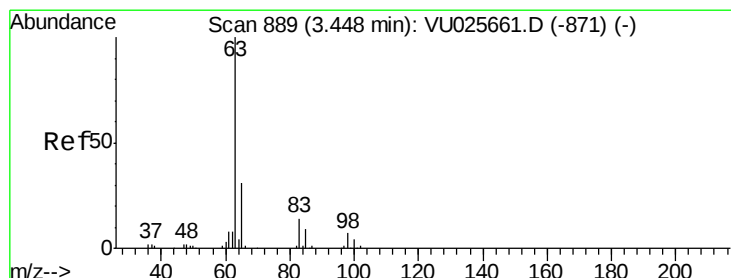
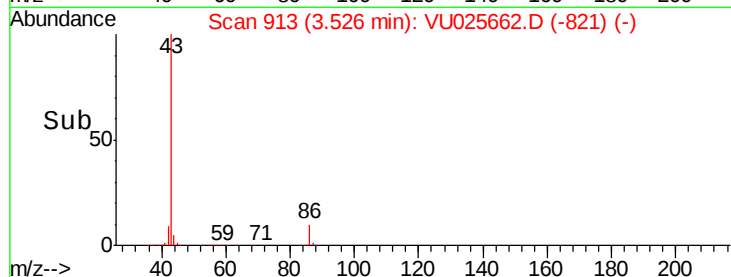
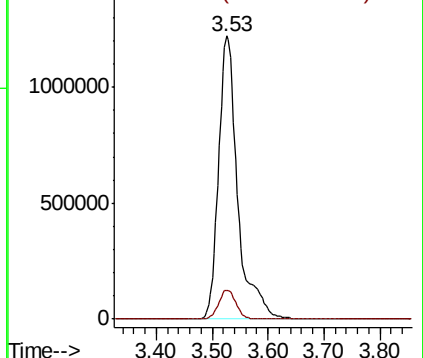
MMDadoda

7/31/2018 3:48:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 104.11 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

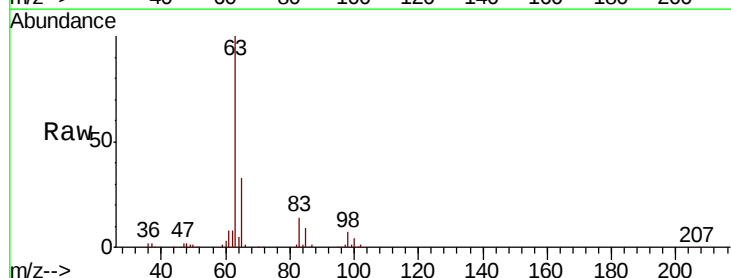
Tgt Ion: 63 Resp: 390743

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

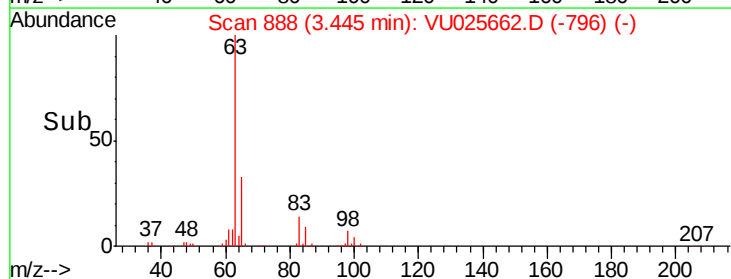
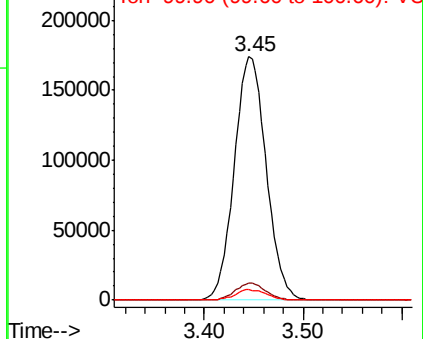
100 4.2 2.0 6.0

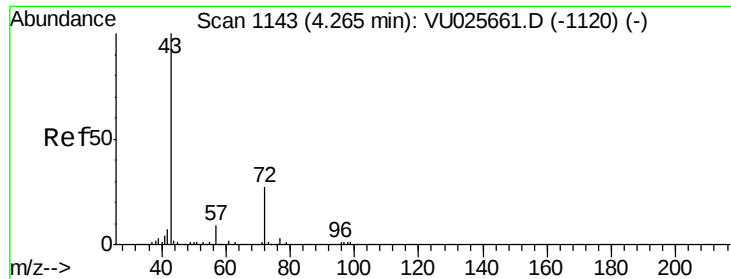


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 467.79 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 892950

Ion Ratio Lower Upper

43 100

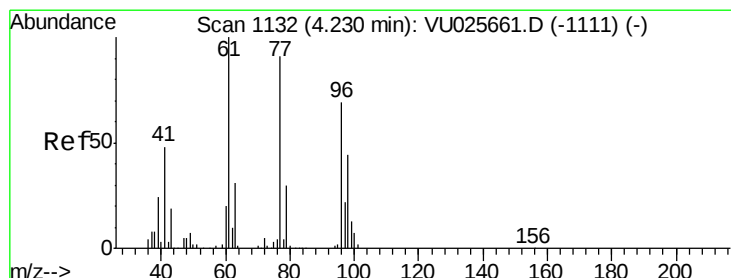
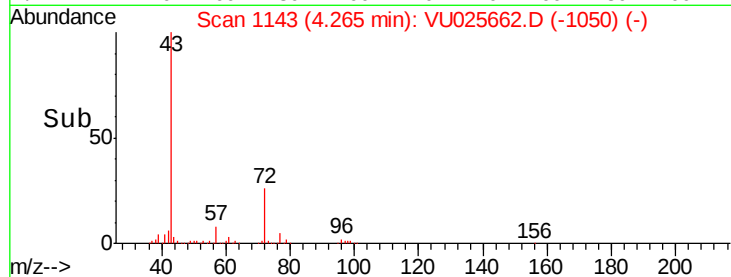
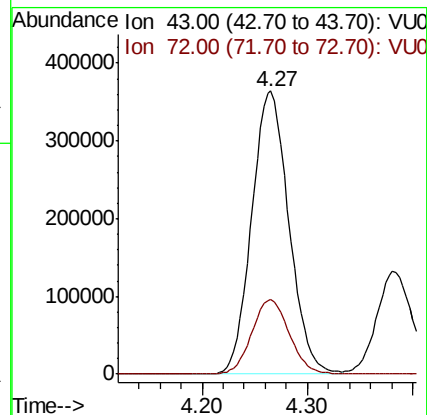
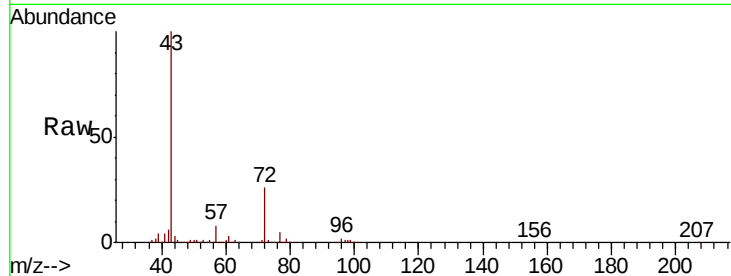
72 26.3 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 95.86 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025662.D

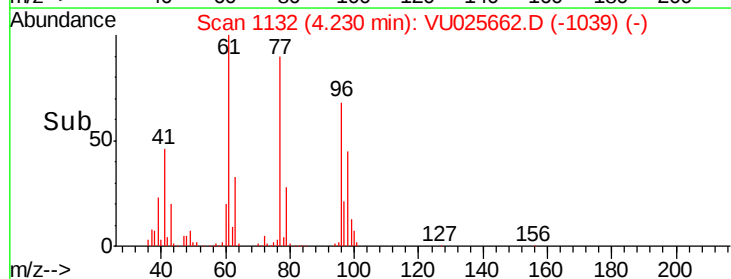
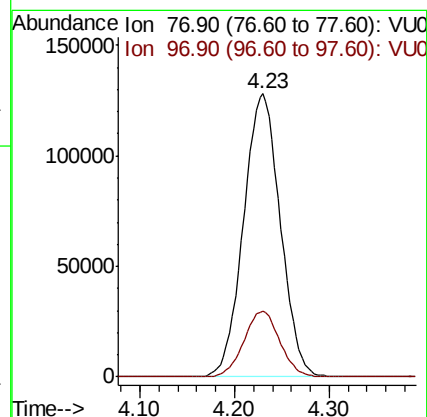
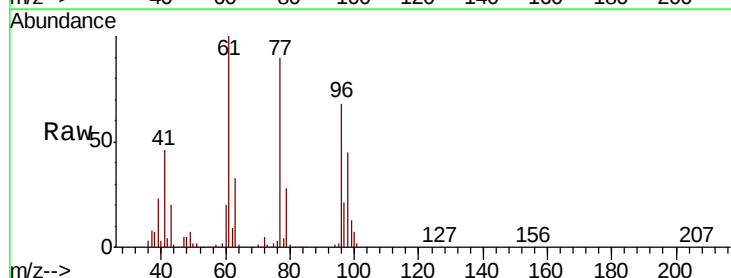
Acq: 27 Jul 2018 11:28

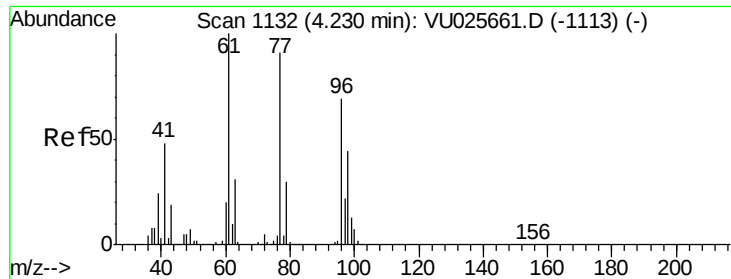
Tgt Ion: 77 Resp: 345944

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 100.13 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

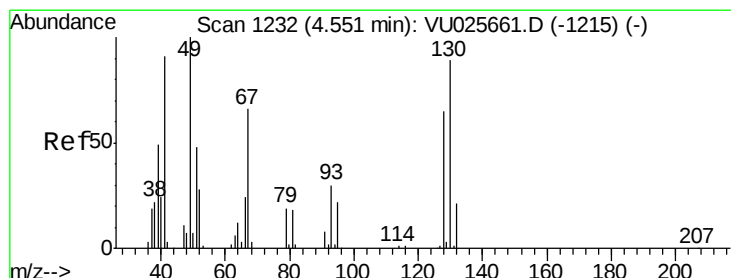
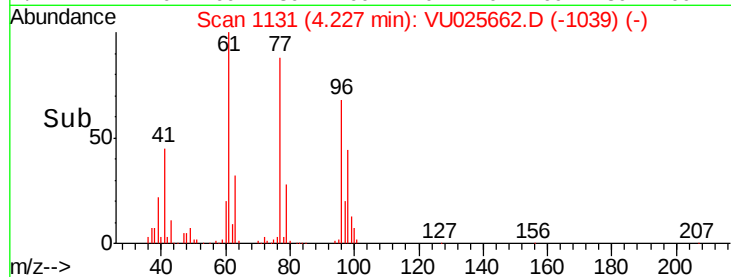
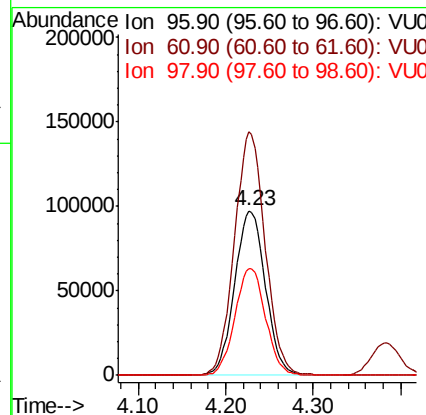
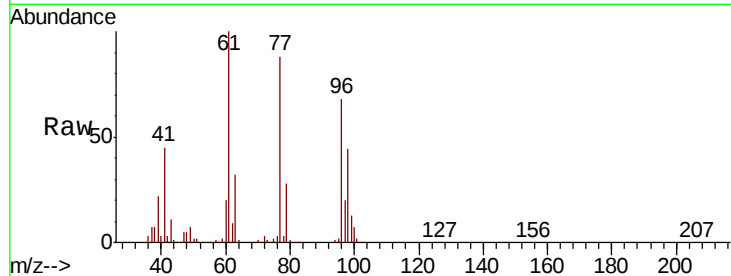
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	237904
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	299.8
98	64.6	0.0	128.6

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#28

Bromochloromethane

Concen: 93.59 ug/l

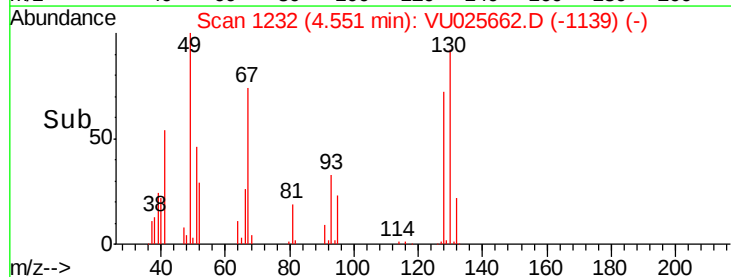
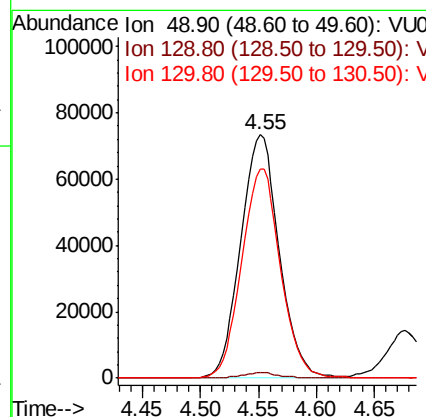
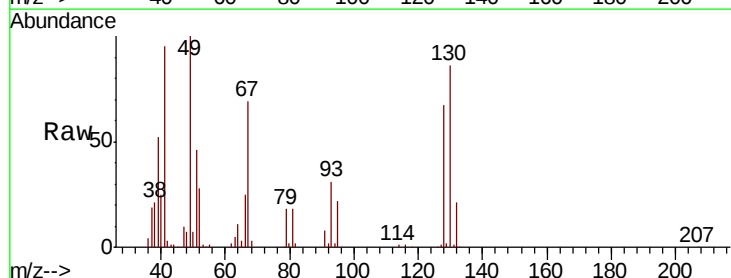
RT: 4.55 min Scan# 1232

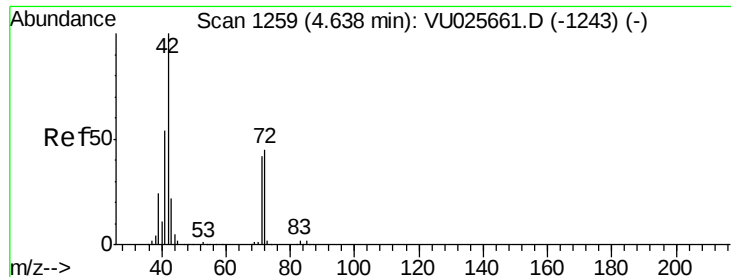
Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion:	49	Resp:	169616
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	86.8	68.6	102.8





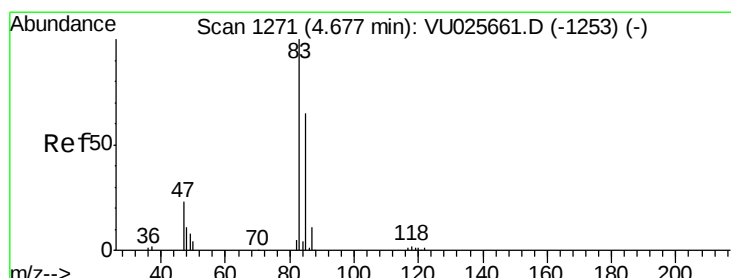
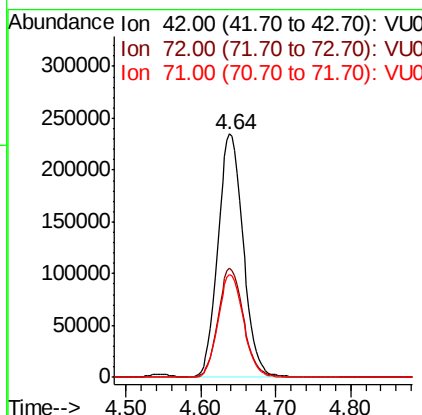
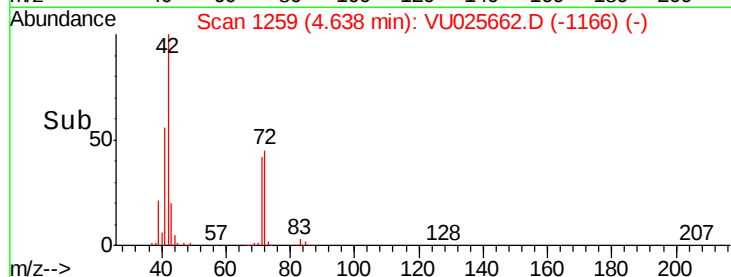
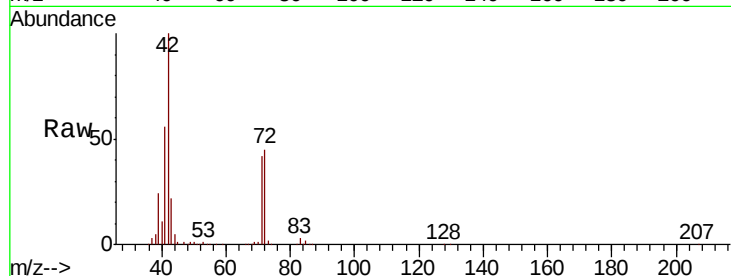
#29
Tetrahydrofuran
Concen: 479.89 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.7	55.1
71	42.5	33.9	50.9

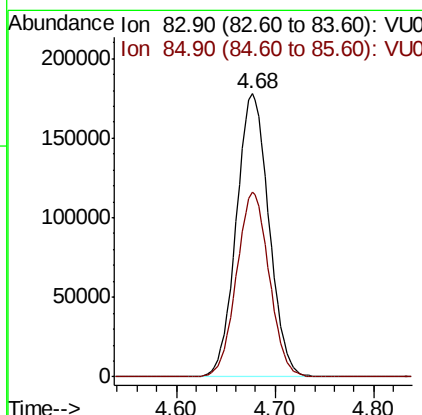
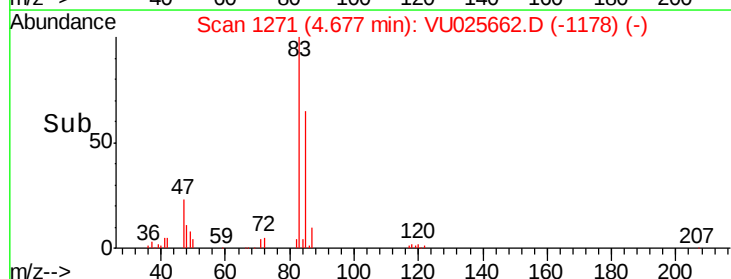
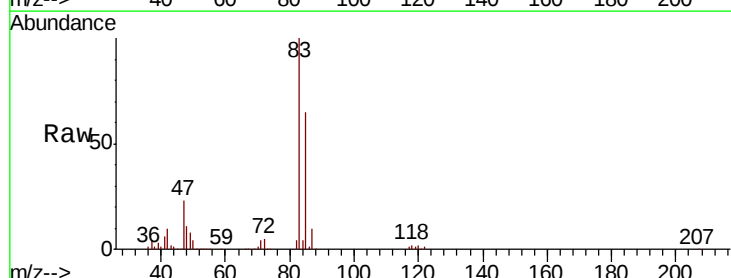
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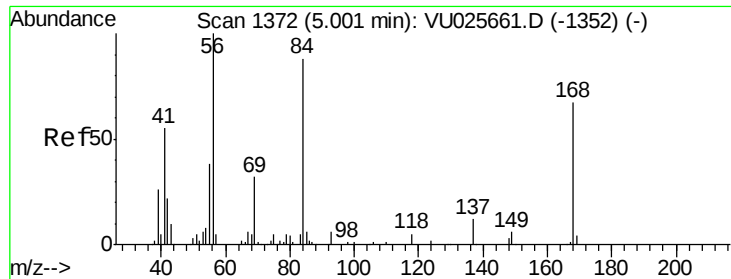
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#30
Chloroform
Concen: 102.67 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3





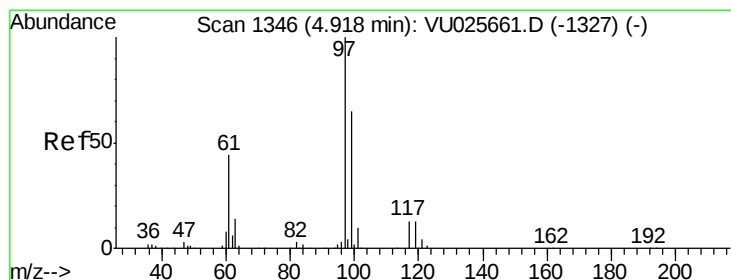
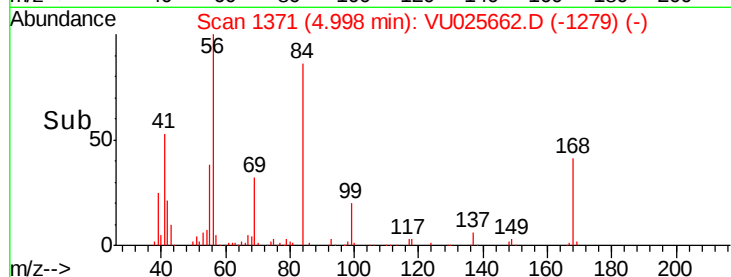
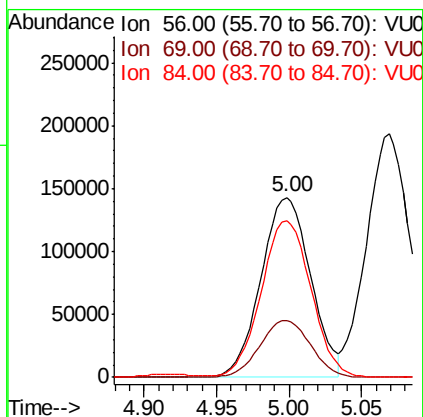
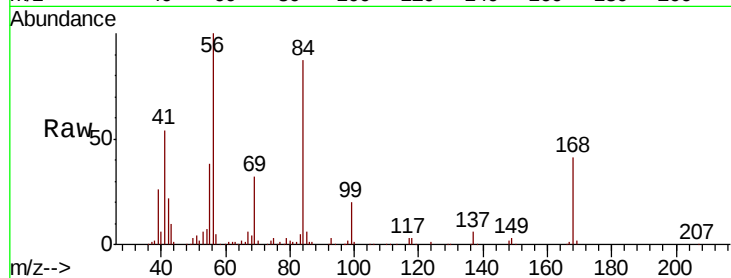
#31
Cyclohexane
Concen: 81.99 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.8	40.2
84	85.9	69.7	104.5

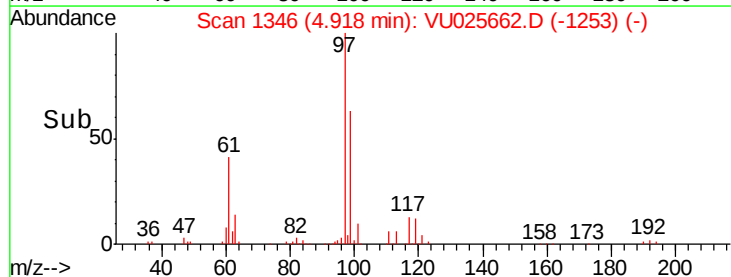
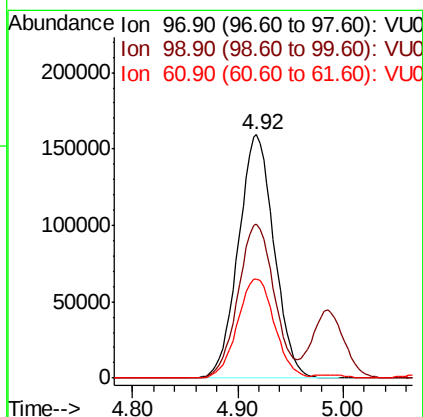
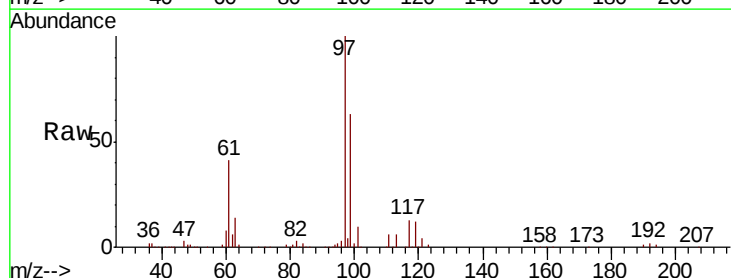
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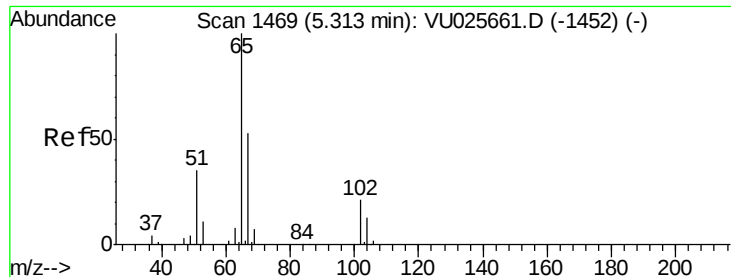
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#32
1,1,1-Trichloroethane
Concen: 104.22 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	42.3	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 95.49 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 65 Resp: 262971

Ion Ratio Lower Upper

65 100

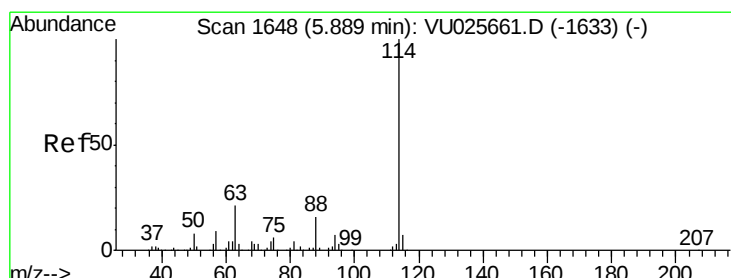
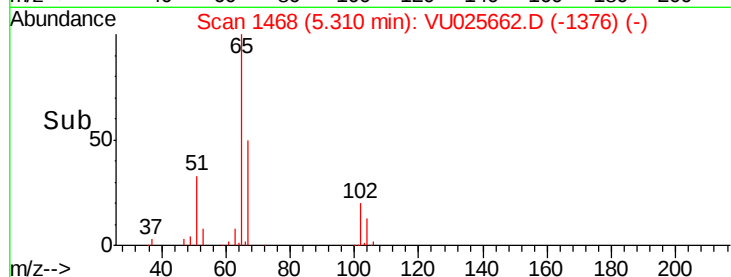
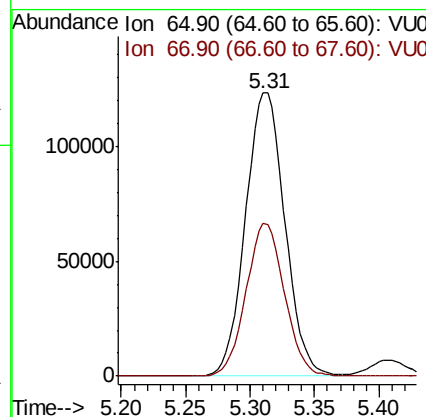
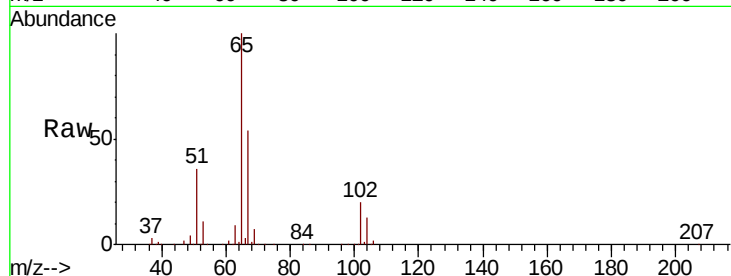
67 52.6 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

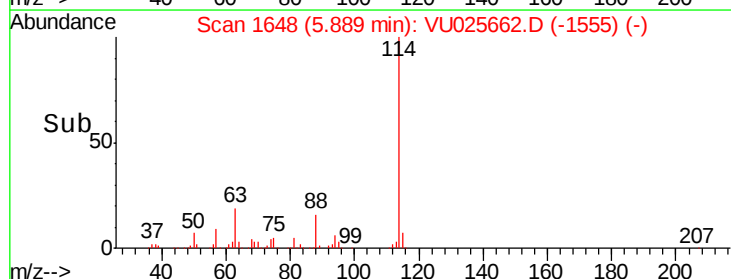
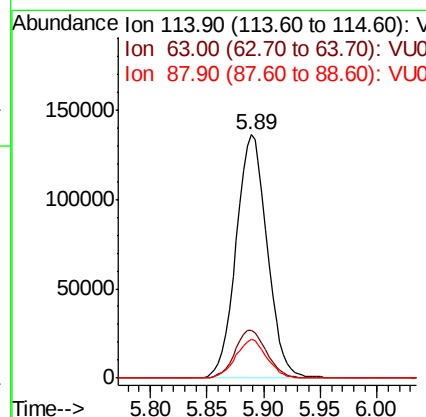
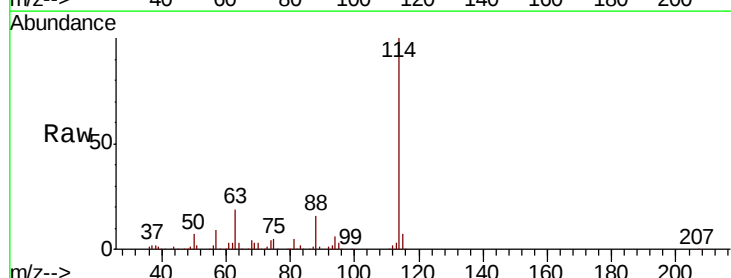
Tgt Ion: 114 Resp: 260444

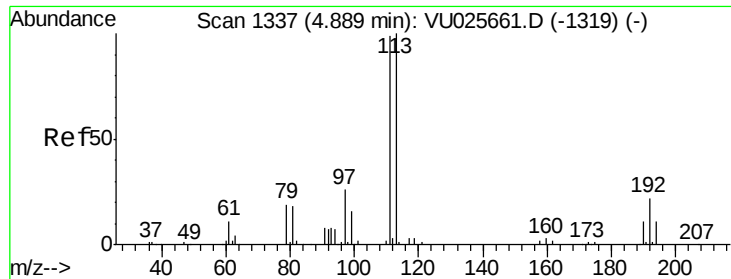
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

88 15.7 0.0 32.4





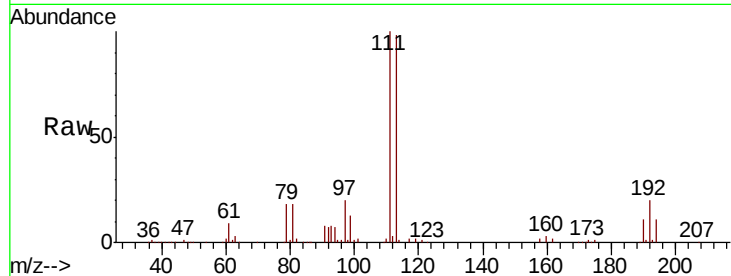
#35
 Dibromofluoromethane
 Concen: 100.54 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

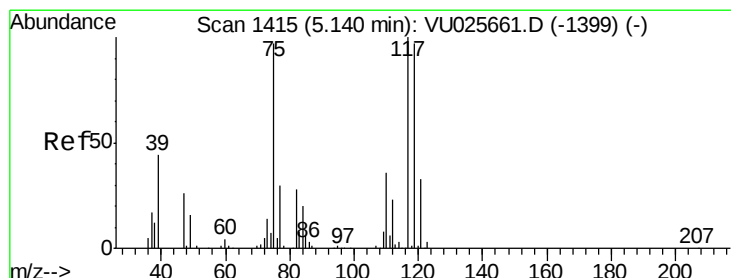
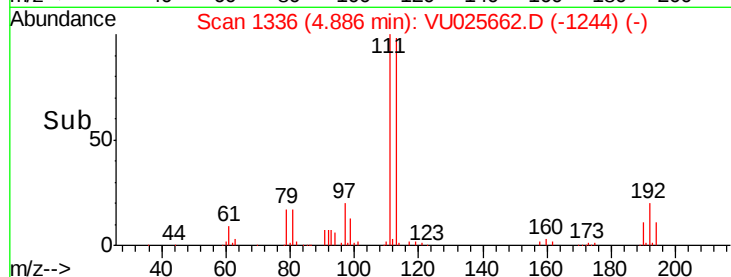
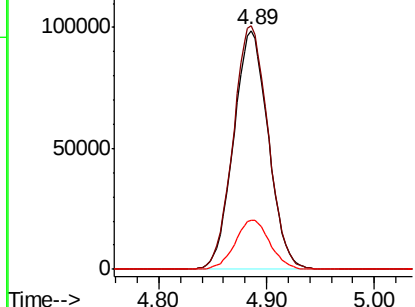
Tot Ion	Ratio	Resp	Lower	Upper
113	100	220893		
111	102.7		81.7	122.5
192	20.7		17.1	25.7

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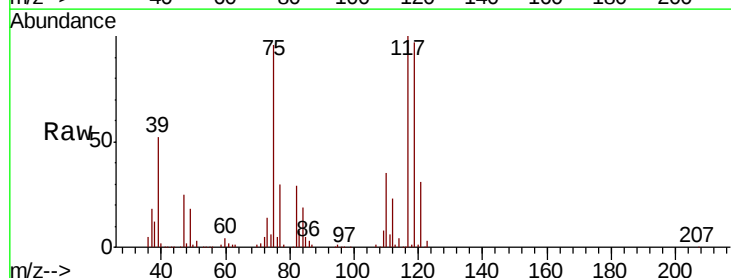


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

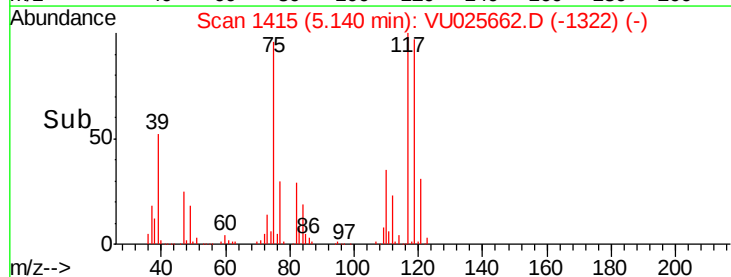
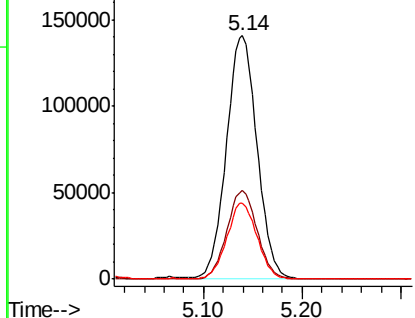


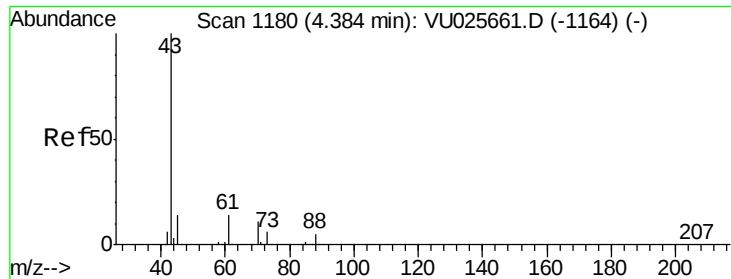
#36
 1,1-Dichloropropene
 Concen: 105.65 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	305908		
110	36.0		17.6	52.9
77	30.9		24.4	36.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





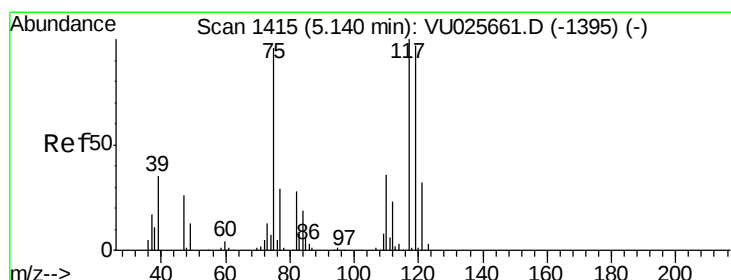
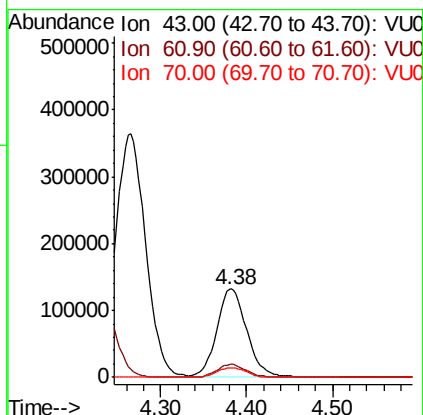
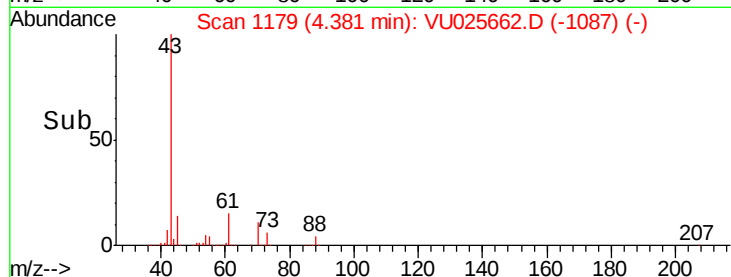
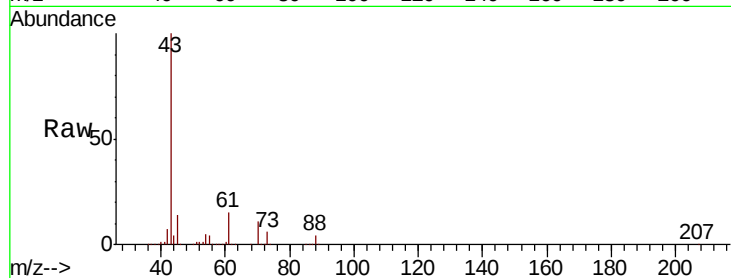
#37
Ethyl Acetate
Concen: 98.74 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	10.7	8.4	12.6

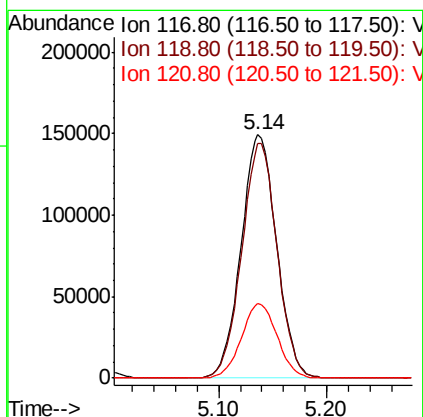
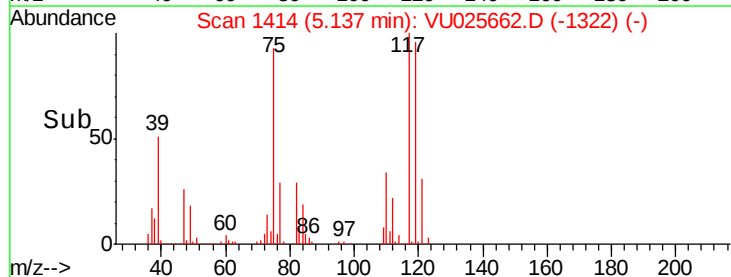
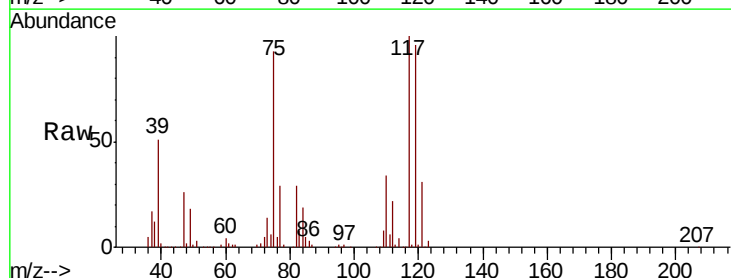
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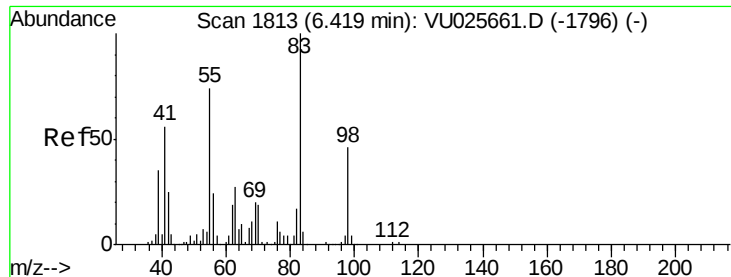
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#38
Carbon Tetrachloride
Concen: 109.63 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.7	113.5
121	30.6	24.6	36.8





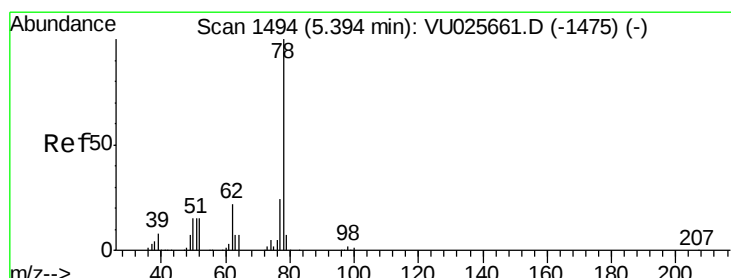
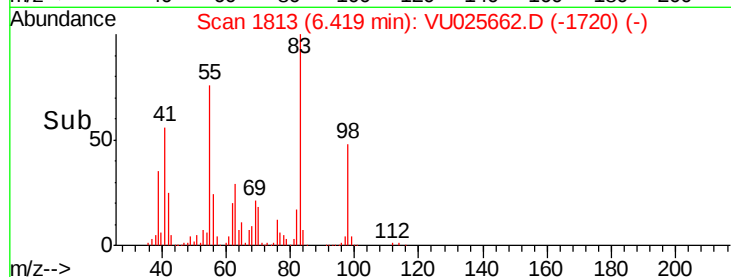
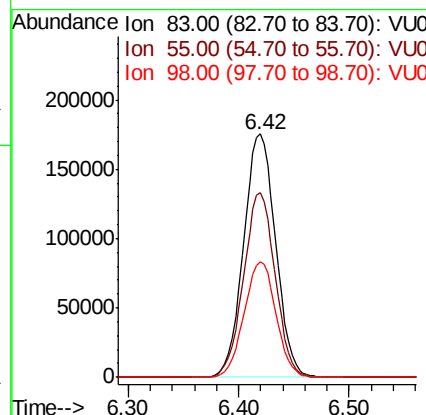
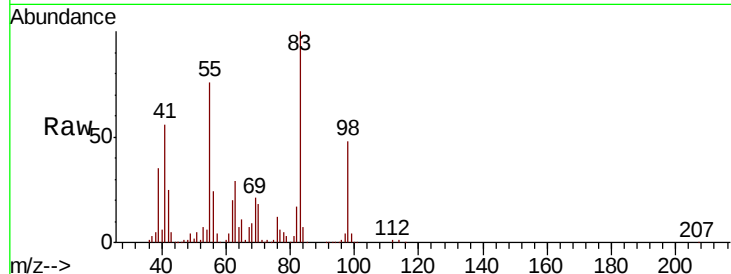
#39
Methvlcvclohexane
Concen: 97.71 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.9	60.0	90.0	
98	47.7	36.1	54.1	

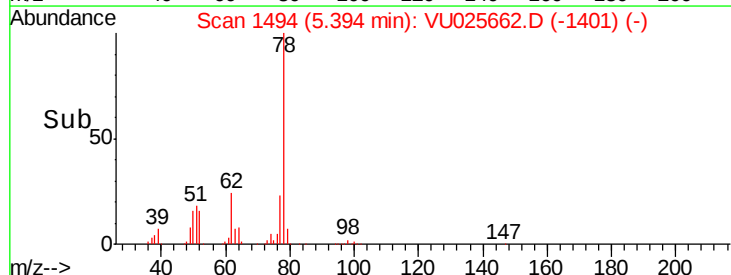
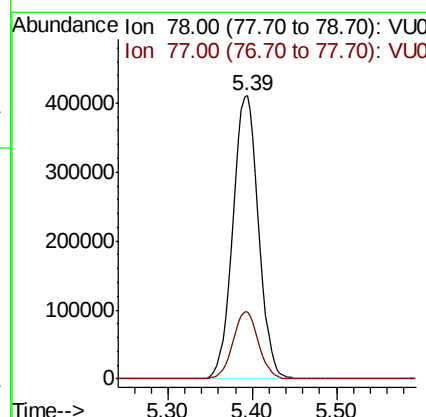
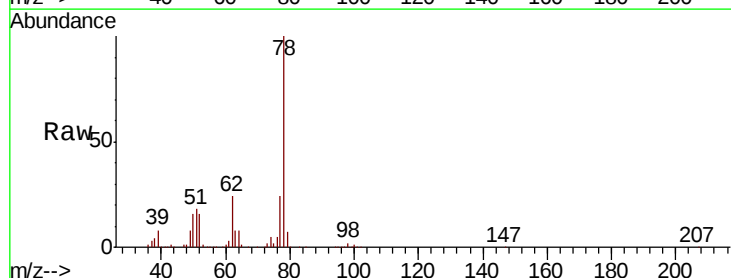
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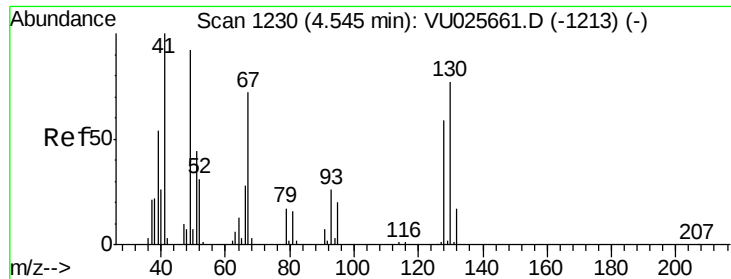
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#40
Benzene
Concen: 103.77 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.8	29.6	





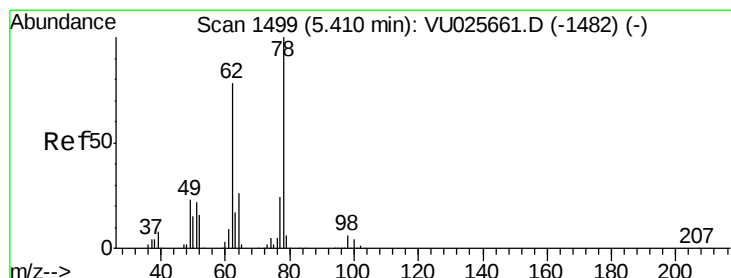
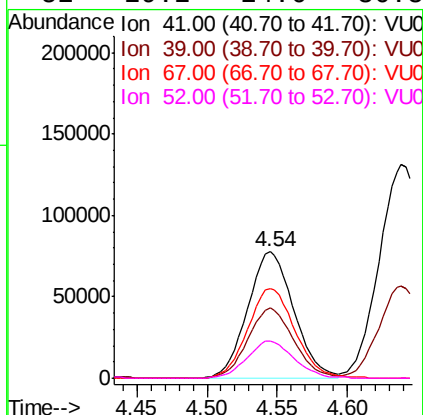
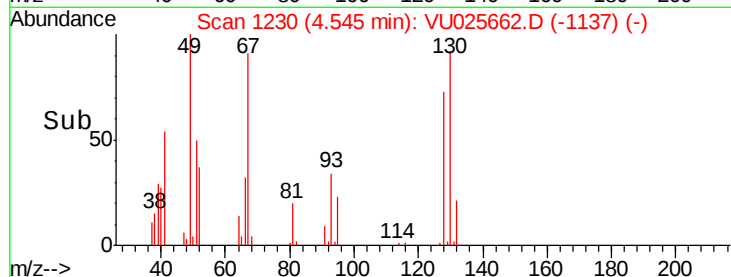
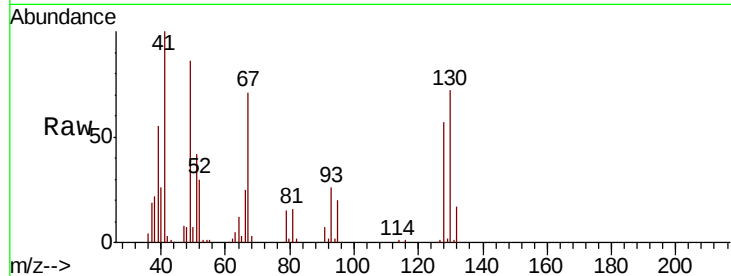
#41
Methacrylonitrile
Concen: 99.14 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	44.4	66.6	
67	72.9	56.0	84.0	
52	29.2	24.6	36.8	

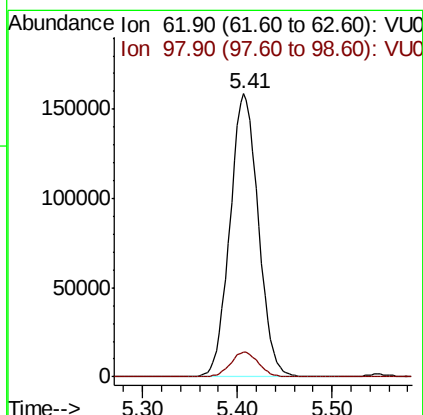
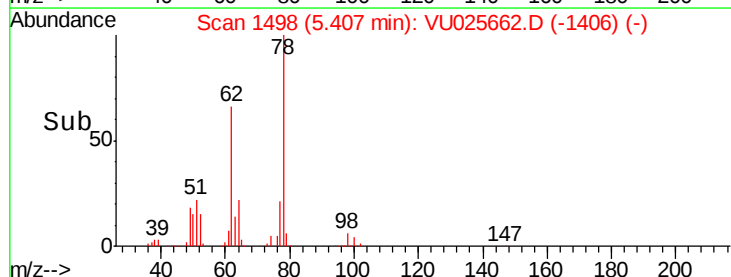
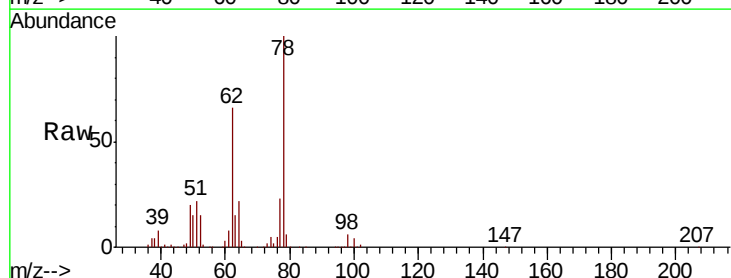
Manual Integrations
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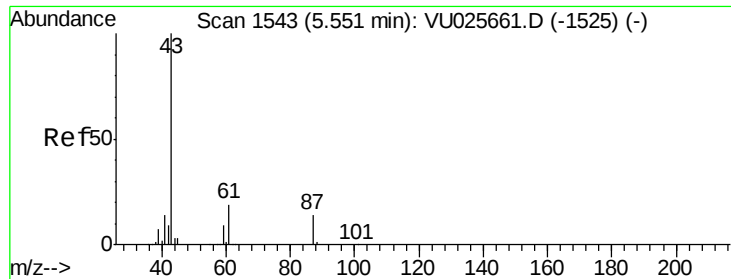
MMDadoda
7/31/2018 3:48:12 PM



#42
1,2-Dichloroethane
Concen: 99.84 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.4	





#43

Isopropyl Acetate

Concen: 100.95 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

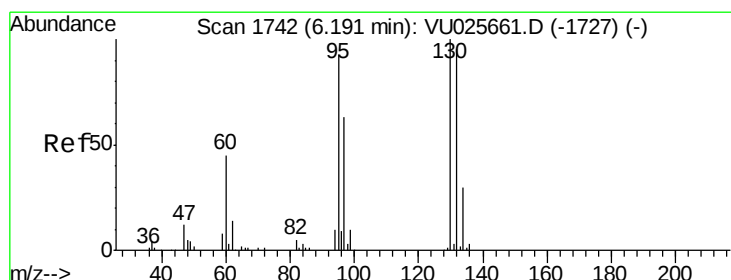
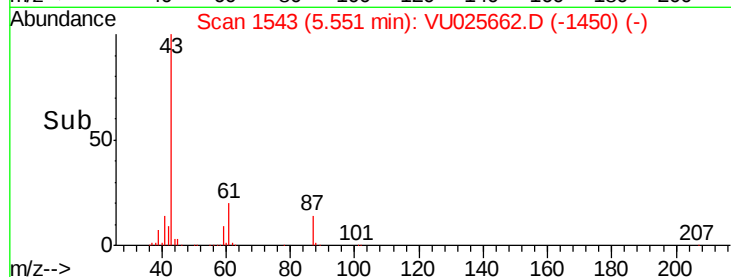
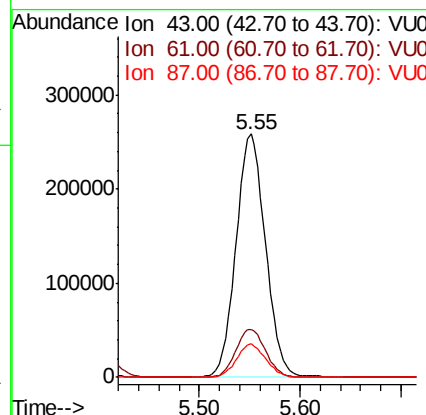
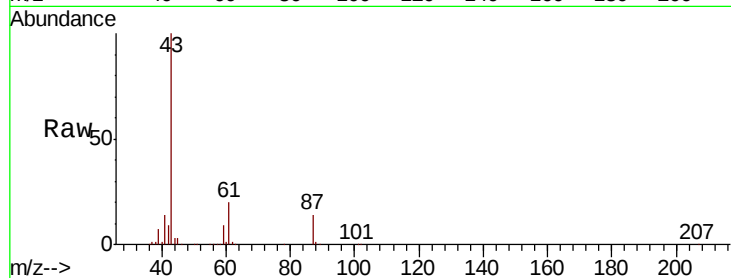
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	522001
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.5	23.3
87	13.8	10.6	16.0

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#44

Trichloroethene

Concen: 100.64 ug/l

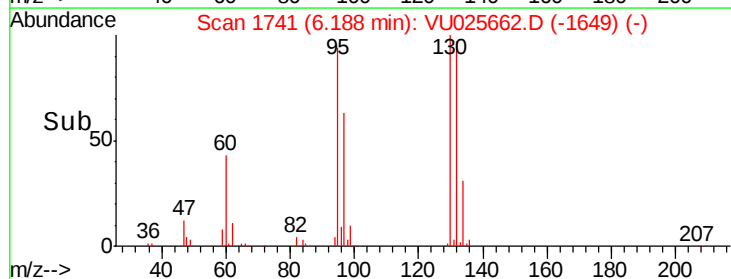
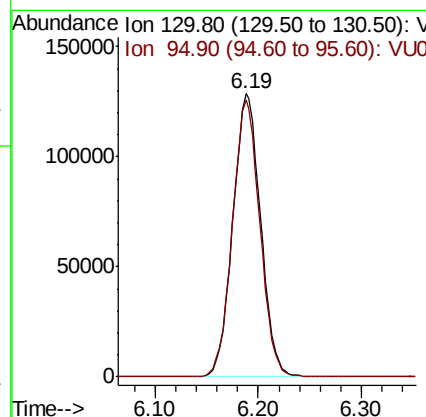
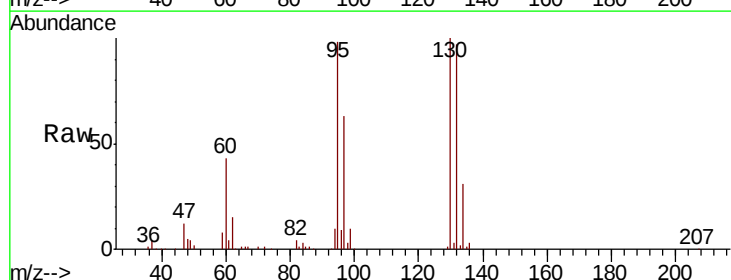
RT: 6.19 min Scan# 1741

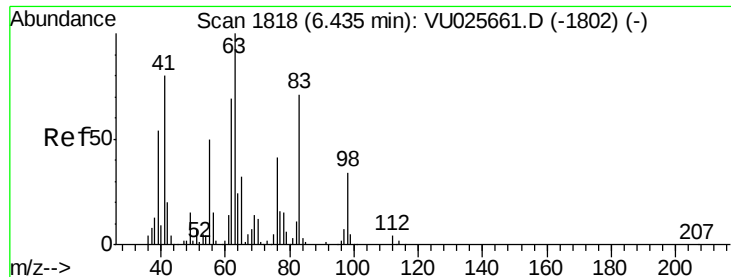
Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion:	130	Resp:	241123
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	192.2





#45

1,2-Dichloropropane

Concen: 104.20 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 227719

Ion Ratio Lower Upper

63 100

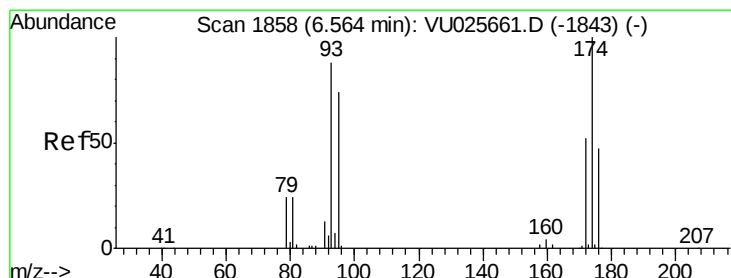
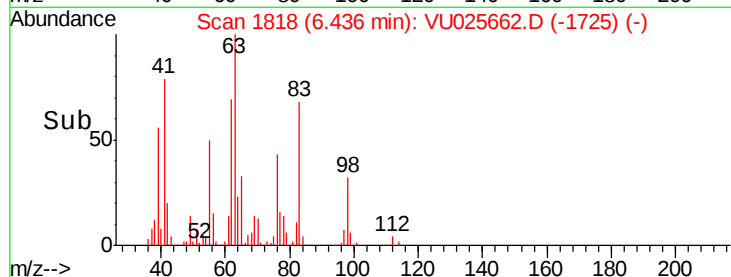
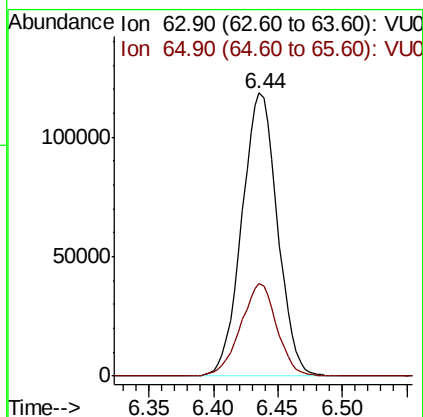
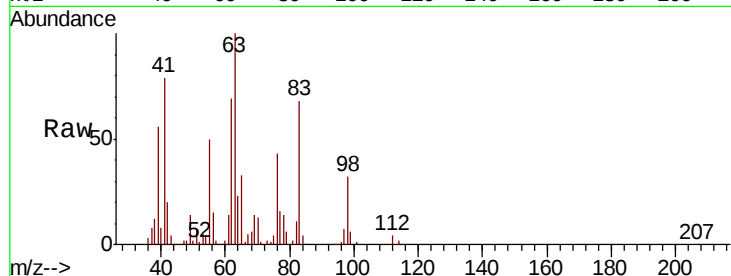
65 32.6 26.1 39.1

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#46

Dibromomethane

Concen: 104.40 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

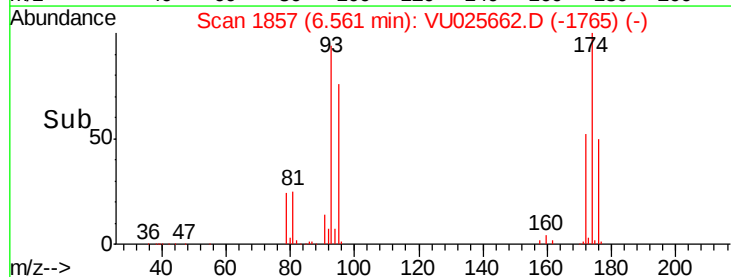
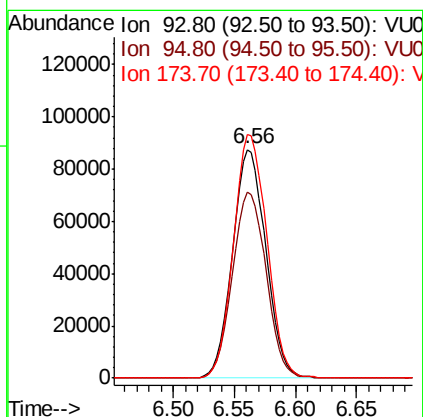
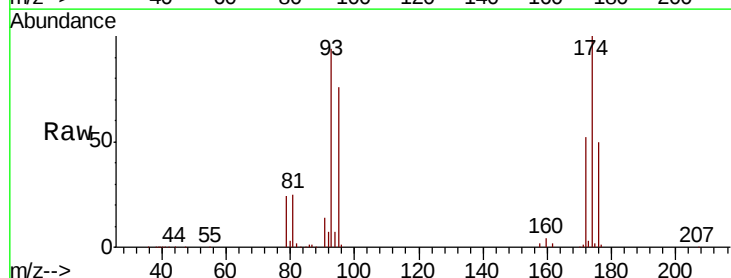
Tgt Ion: 93 Resp: 166039

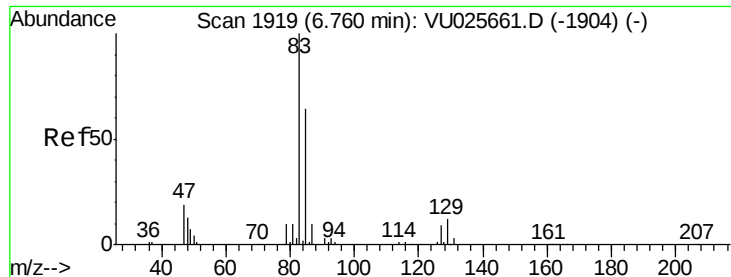
Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

174 106.7 85.8 128.8





#47

Bromodichloromethane

Concen: 108.24 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

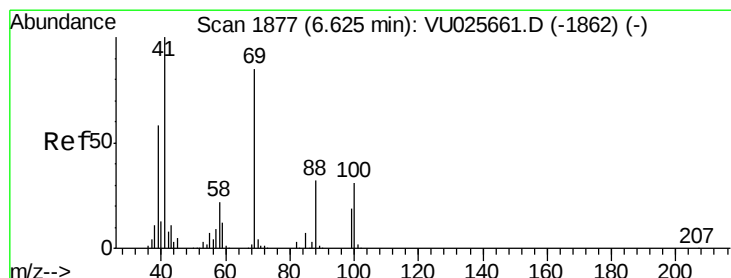
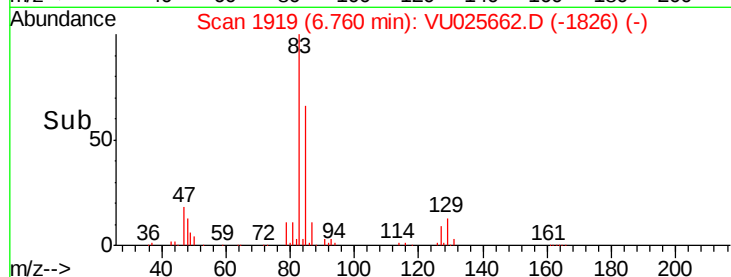
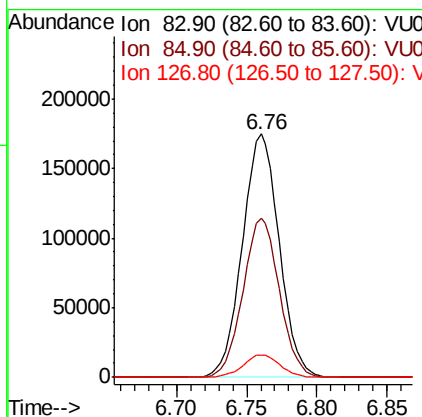
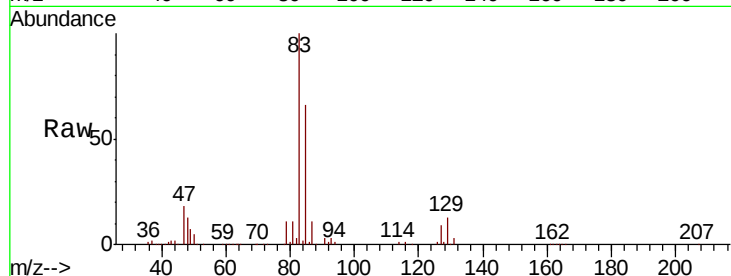
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	319786
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.2	75.4
127	9.3	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 104.90 ug/l

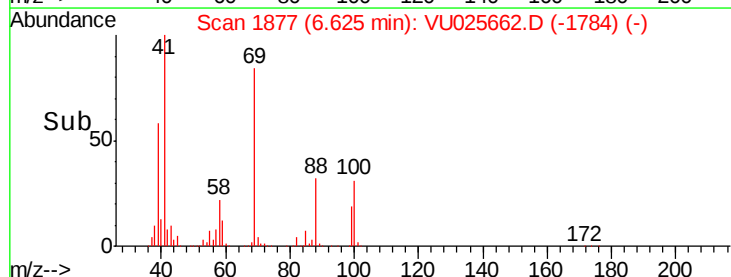
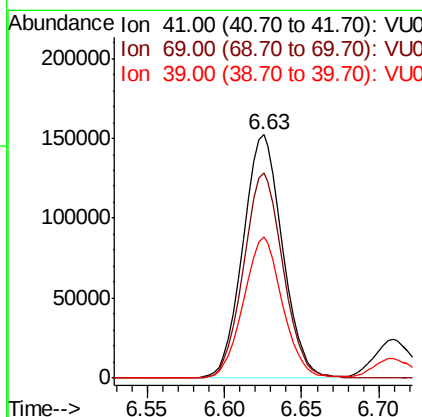
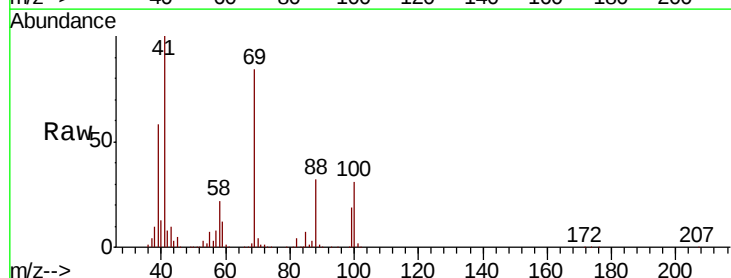
RT: 6.63 min Scan# 1877

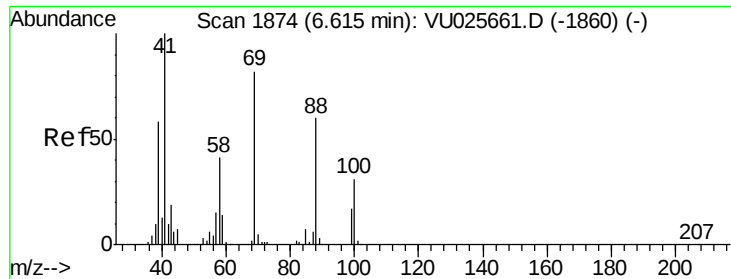
Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion:	41	Resp:	270414
Ion Ratio	Lower	Upper	
41	100		
69	84.5	65.0	97.4
39	57.2	46.4	69.6





#49

1,4-Dioxane

Concen: 2014.43 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

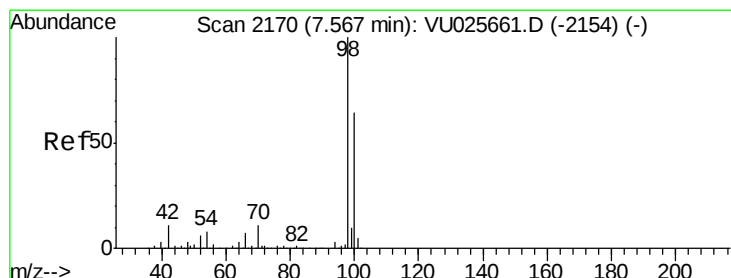
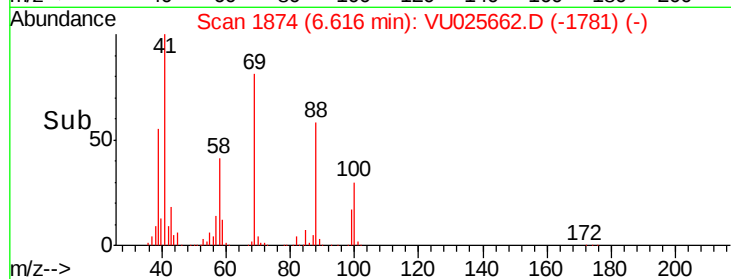
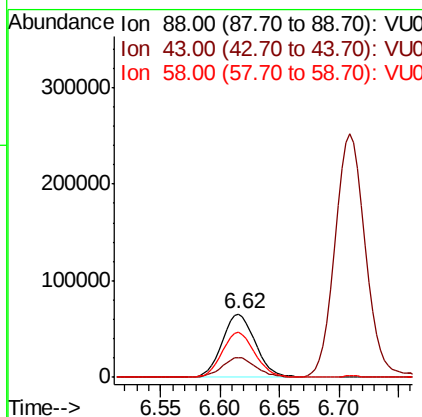
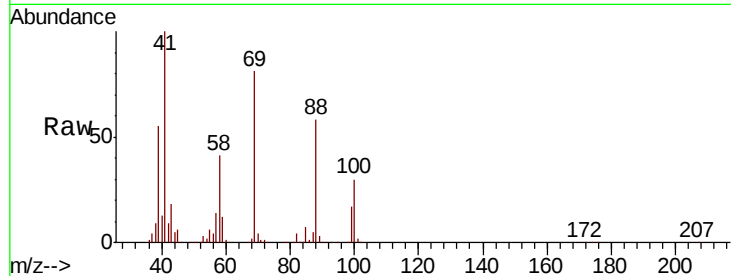
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	124954
Ion	Ratio	Lower	Upper
88	100		
43	32.7	27.3	40.9
58	70.9	57.6	86.4

Manual Integrations
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#50

Toluene-d8

Concen: 105.26 ug/l

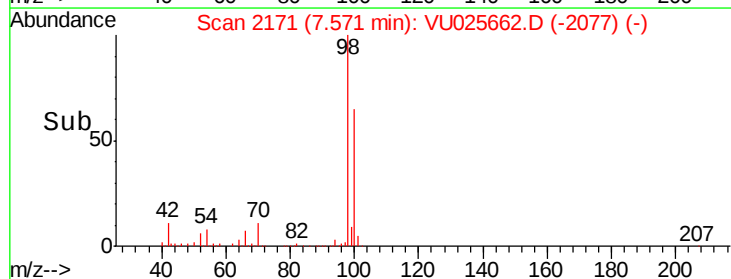
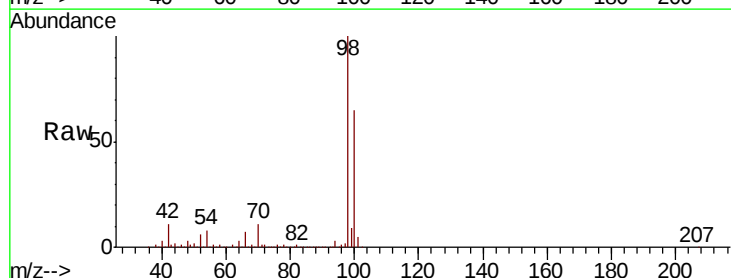
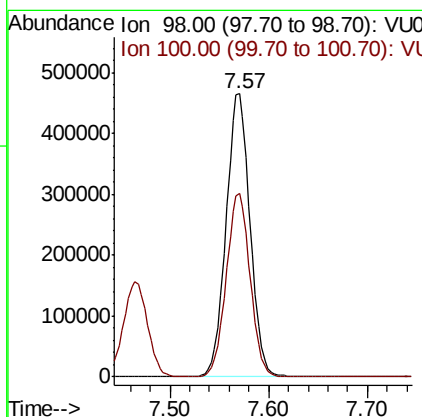
RT: 7.57 min Scan# 2171

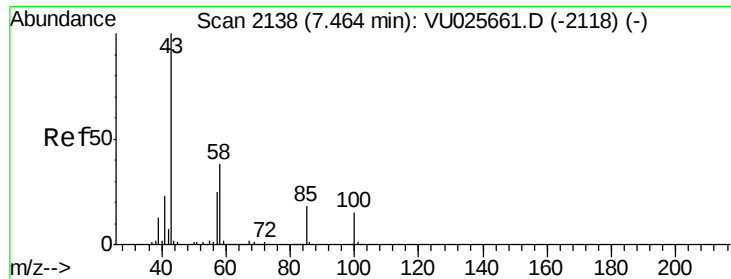
Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion:	98	Resp:	791923
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 504.34 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1695074

Ion Ratio Lower Upper

43 100

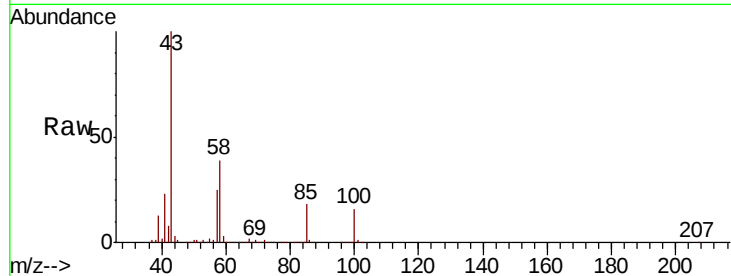
58 38.9 31.0 46.4

Manual Integrations

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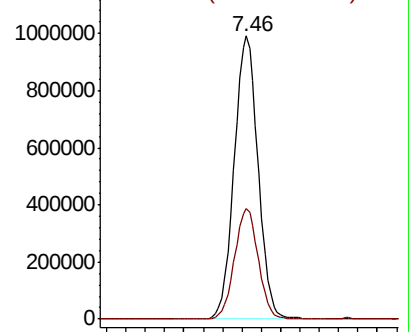
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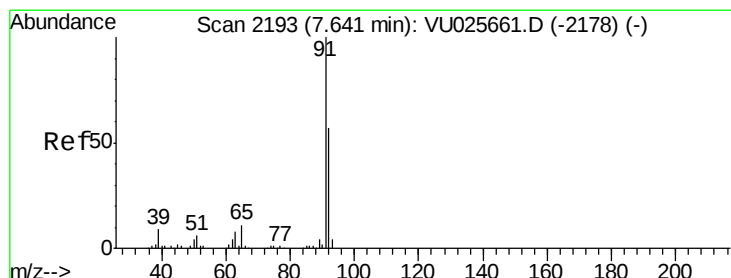
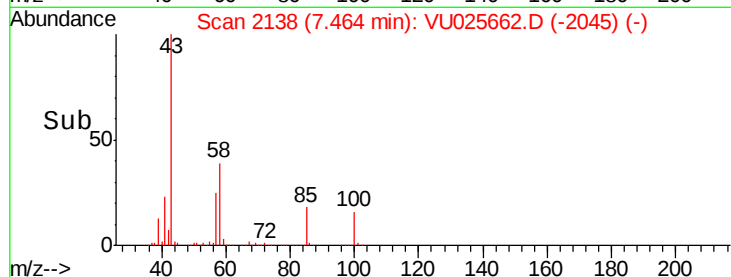


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#52

Toluene

Concen: 105.06 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025662.D

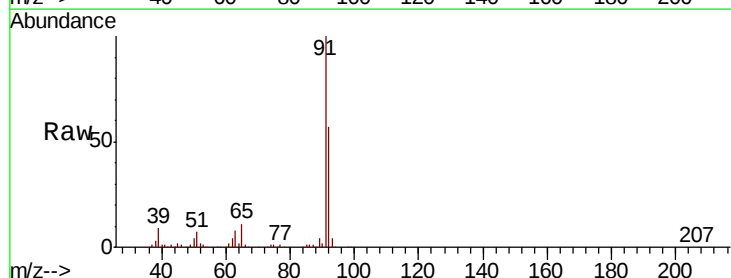
Acq: 27 Jul 2018 11:28

Tgt Ion: 92 Resp: 557713

Ion Ratio Lower Upper

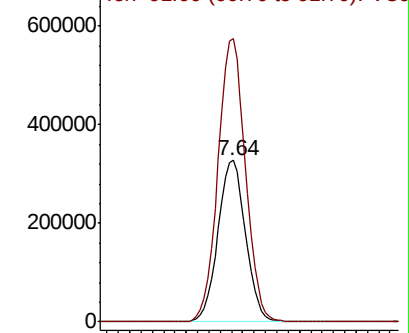
92 100

91 174.3 139.2 208.8

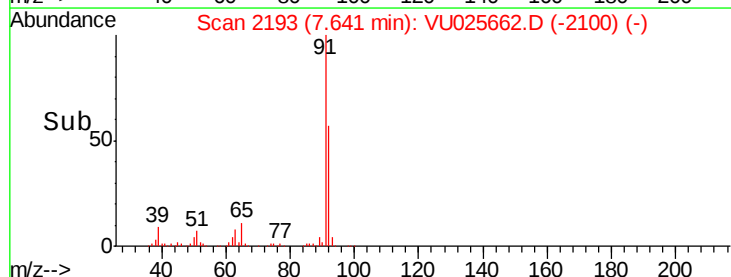


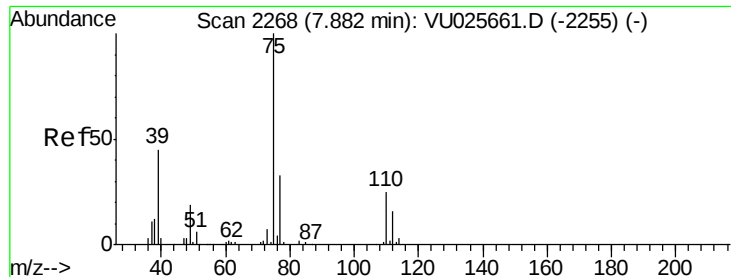
Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->





#53

t-1,3-Dichloropropene

Concen: 114.91 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 373008

Ion Ratio Lower Upper

75 100

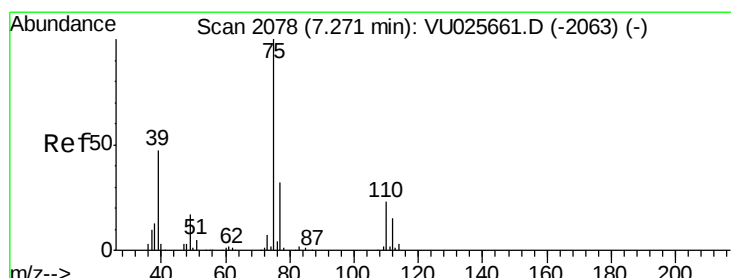
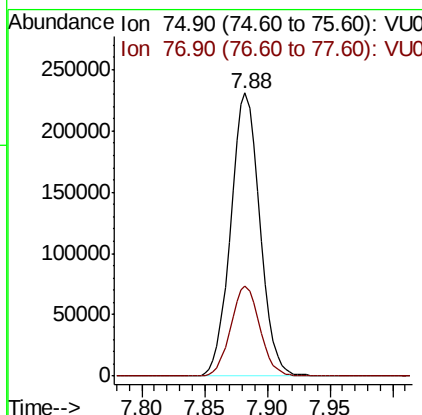
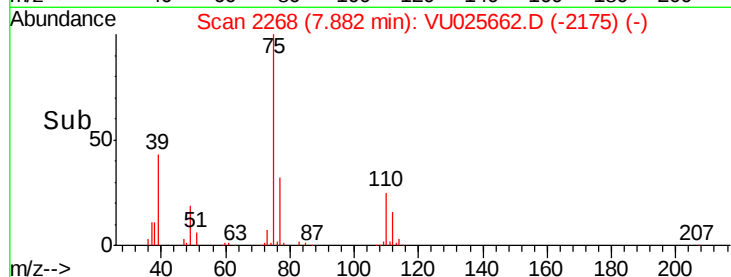
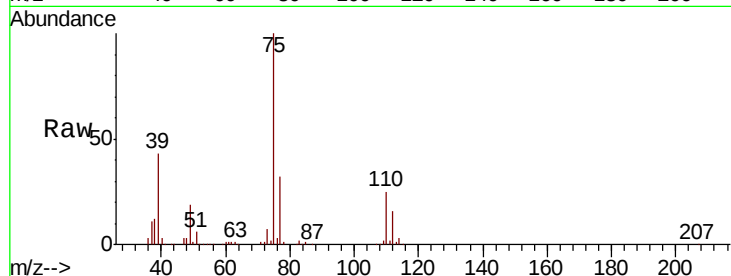
77 31.8 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 110.20 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

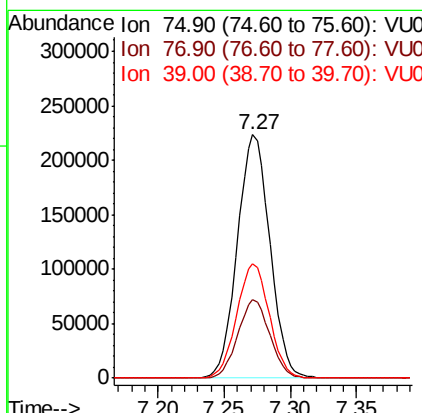
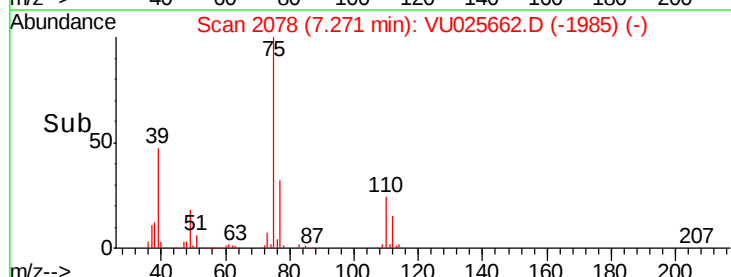
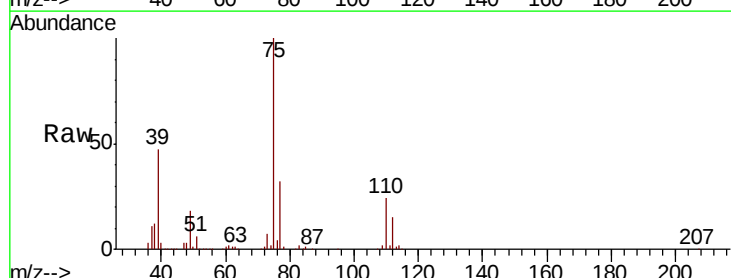
Tgt Ion: 75 Resp: 380731

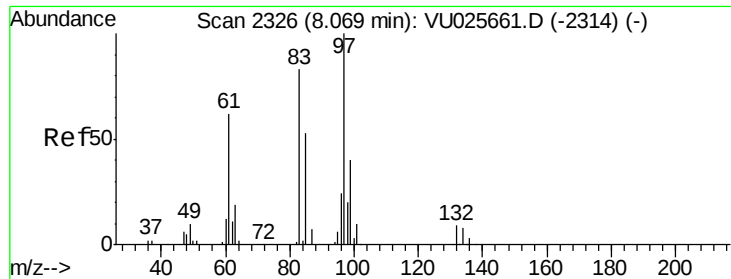
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 47.1 40.0 60.0





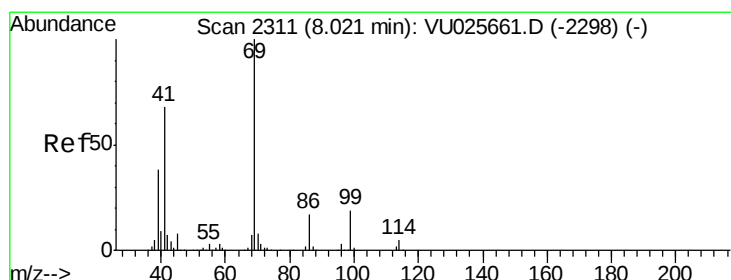
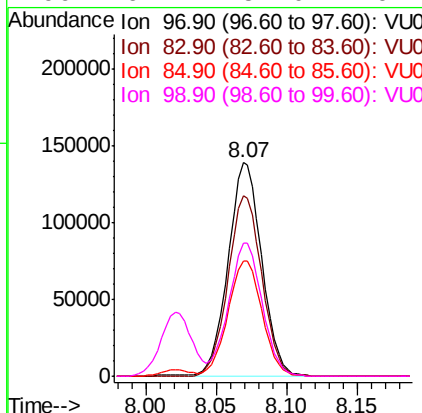
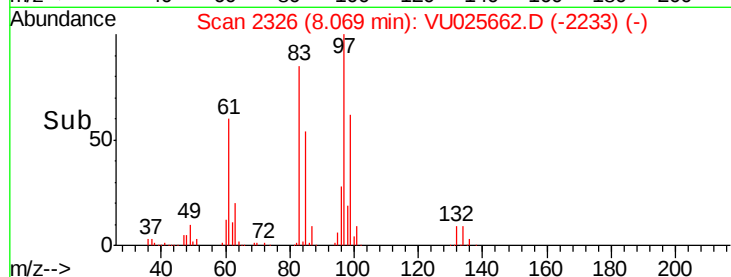
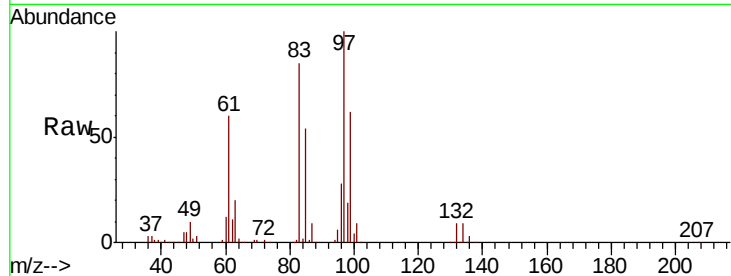
#55
 1,1,2-Trichloroethane
 Concen: 104.15 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	230263
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.9	103.3
85	53.9	44.4	66.6
99	62.2	51.0	76.4

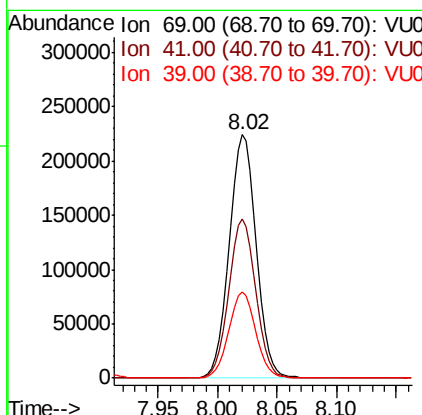
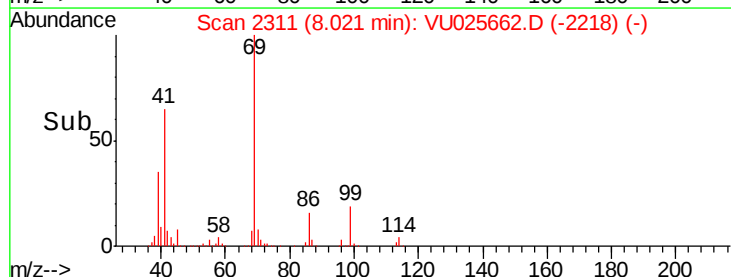
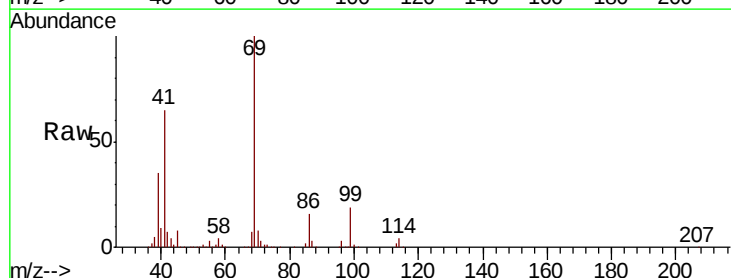
Manual Integrations
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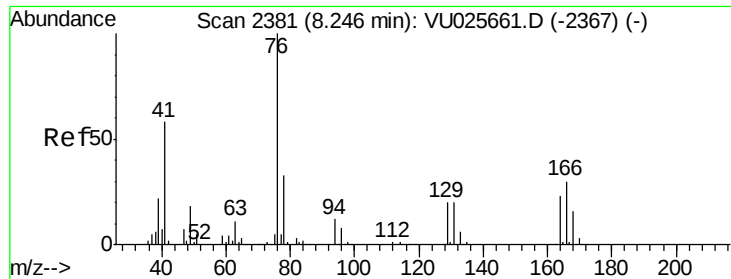
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#56
 Ethyl methacrylate
 Concen: 101.77 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Tgt Ion:	69	Resp:	351430
Ion	Ratio	Lower	Upper
69	100		
41	65.8	54.8	82.2
39	35.4	31.1	46.7





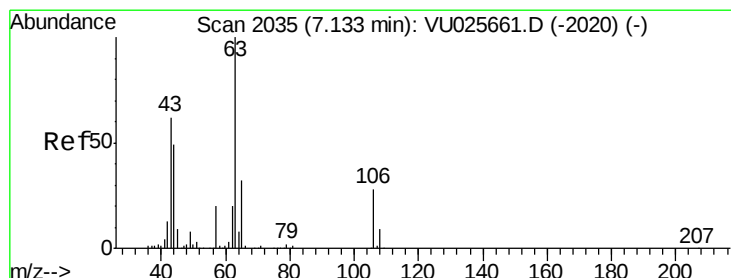
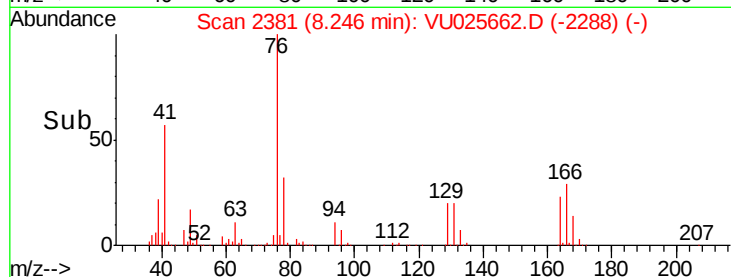
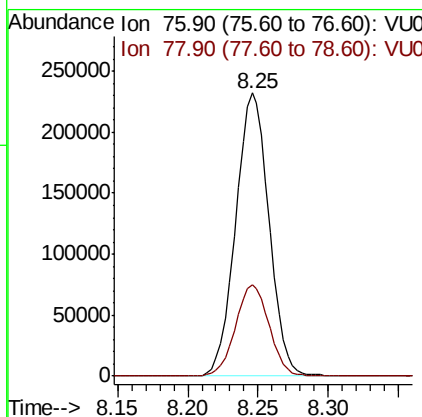
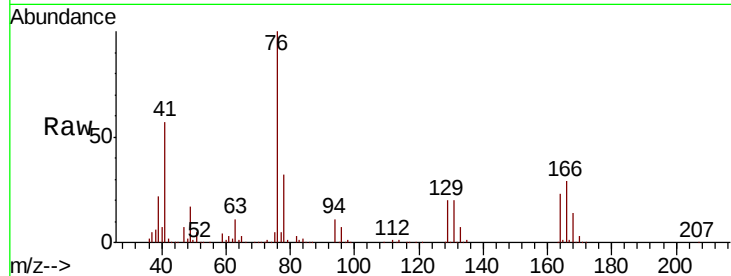
#57
 1,3-Dichloropropane
 Concen: 104.67 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 384182
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

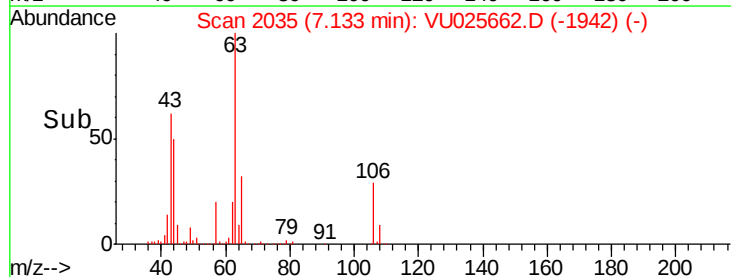
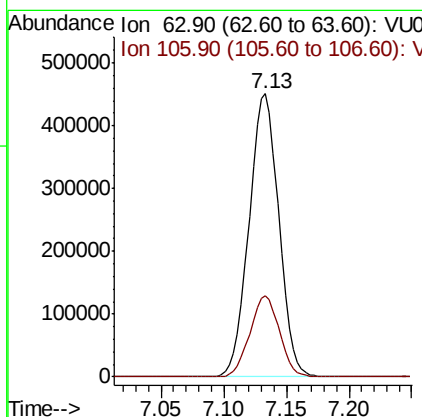
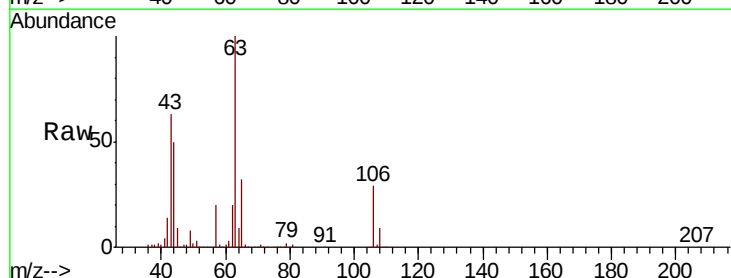
Manual Integrations
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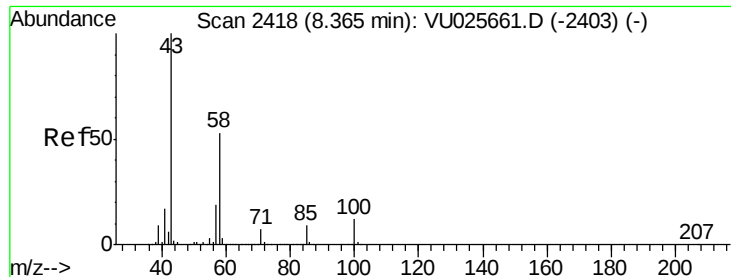
MMDadoda
 7/31/2018 3:48:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 613.28 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Tgt Ion: 63 Resp: 747305
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.3 33.5





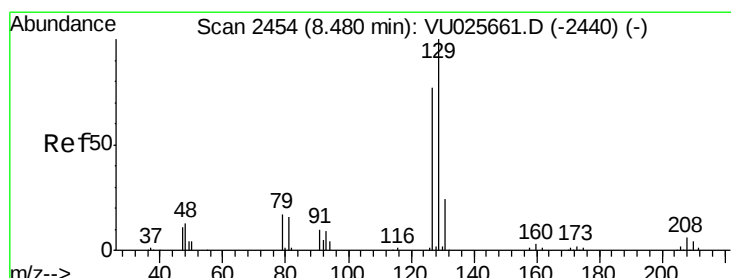
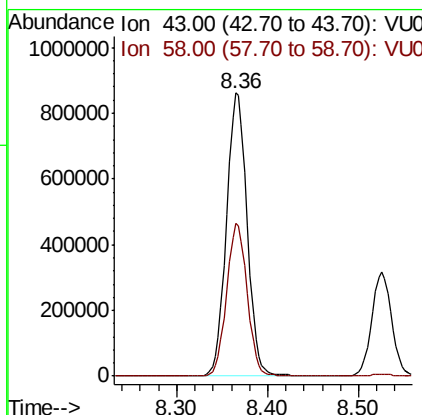
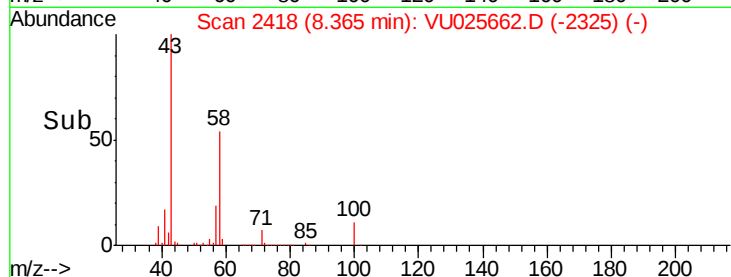
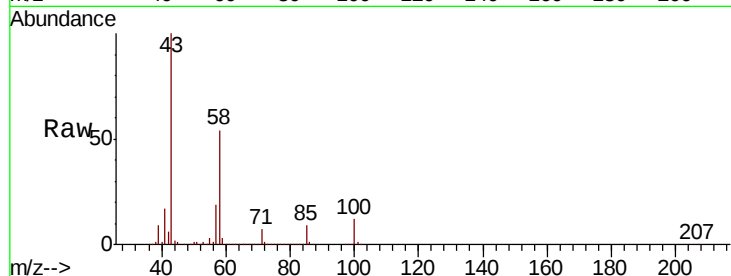
#59
2-Hexanone
Concen: 499.95 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1362944
Ion Ratio Lower Upper
43 100
58 53.8 26.2 78.5

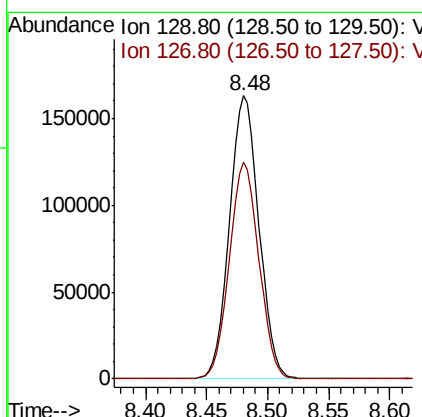
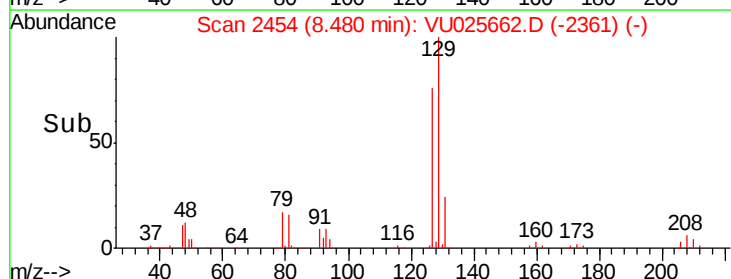
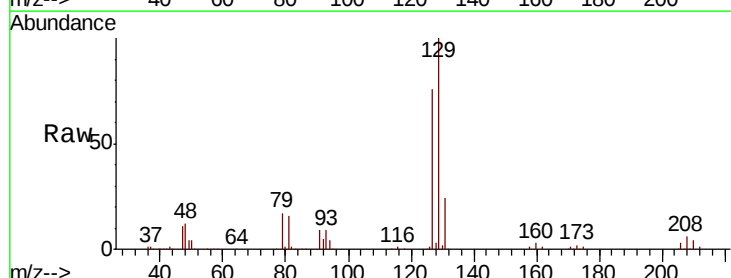
Manual Integrations
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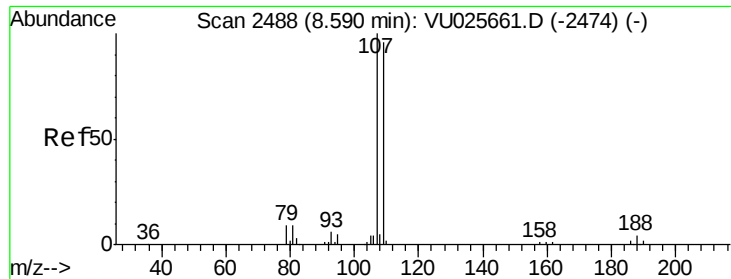
MMDadoda
7/31/2018 3:48:12 PM



#60
Dibromochloromethane
Concen: 115.23 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion: 129 Resp: 275138
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





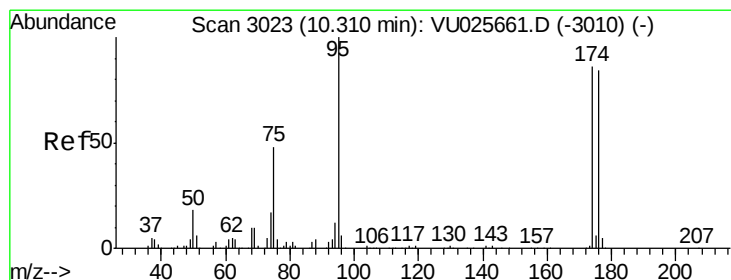
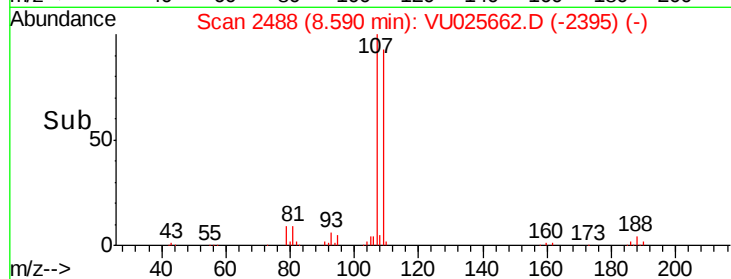
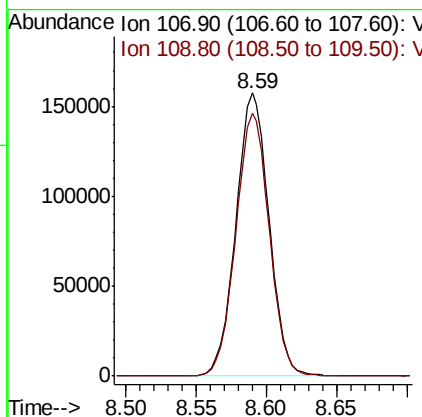
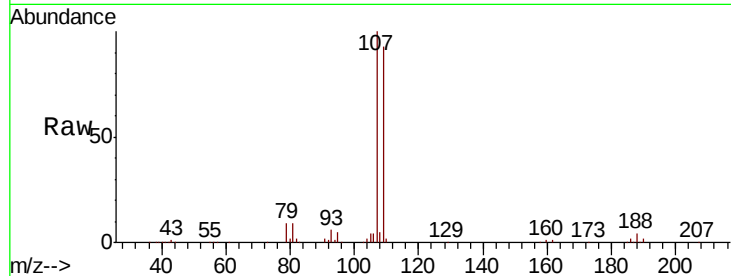
#61
 1,2-Dibromoethane
 Concen: 109.48 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	258995		
109	93.8	75.8	113.8	

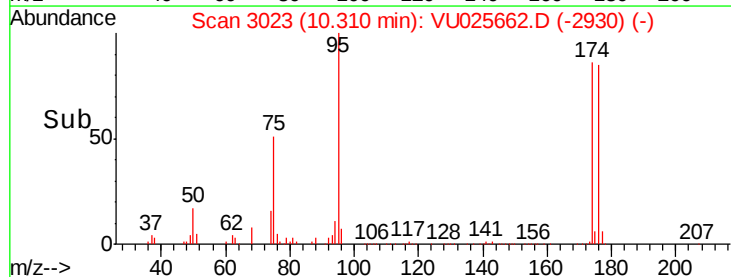
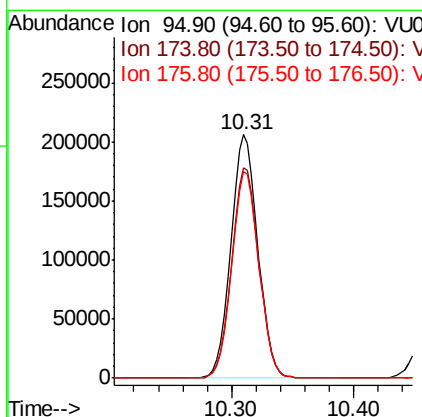
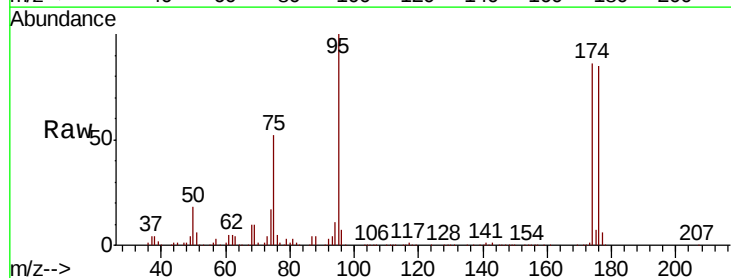
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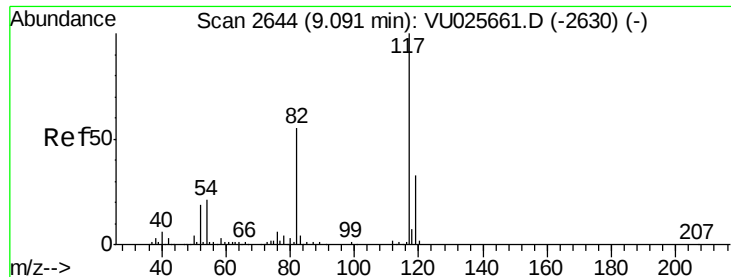
MMDadoda
 7/31/2018 3:48:12 PM



#62
 4-Bromofluorobenzene
 Concen: 104.34 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	316034		
174	87.4	0.0	172.2	
176	85.3	0.0	162.6	





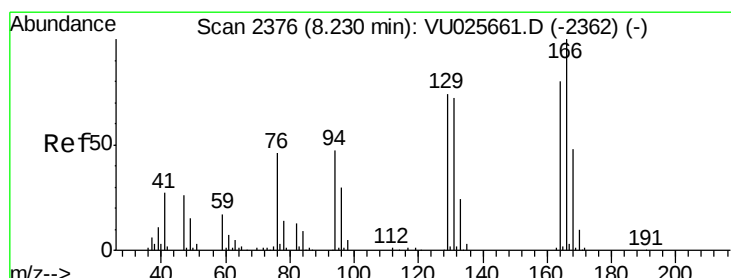
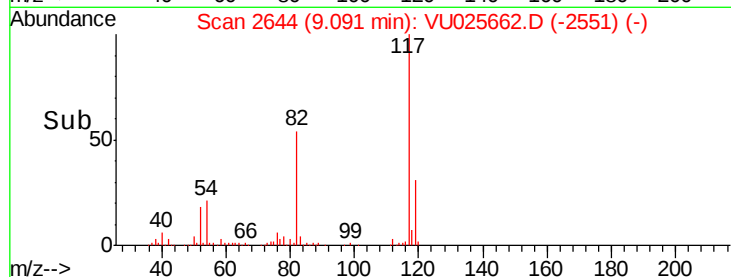
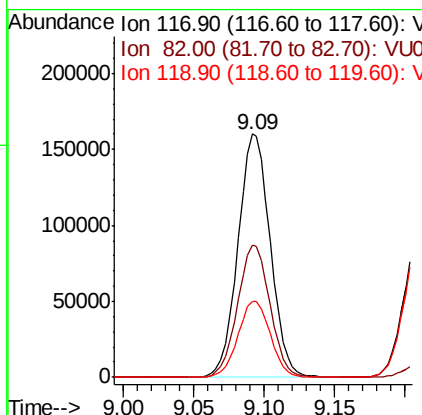
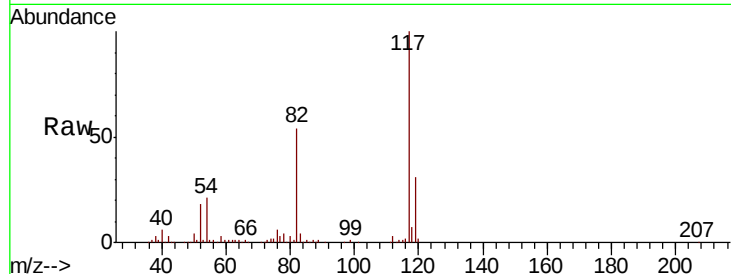
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257199		
82	54.2	46.0	69.0	
119	31.4	26.0	39.0	

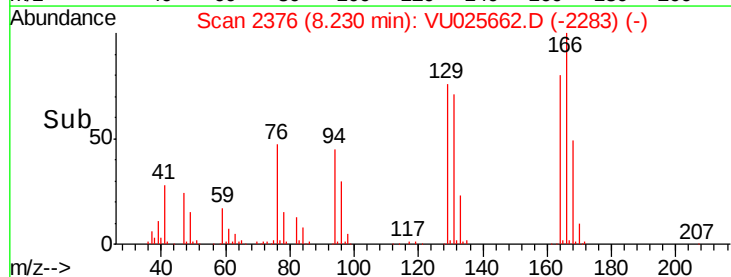
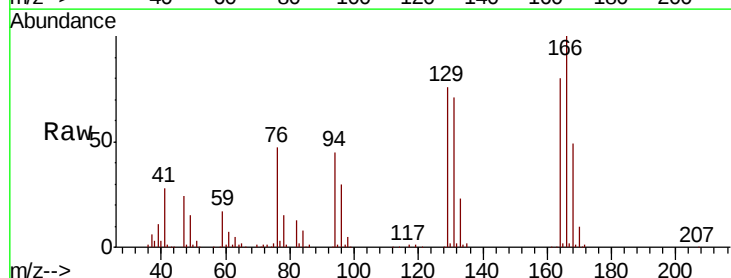
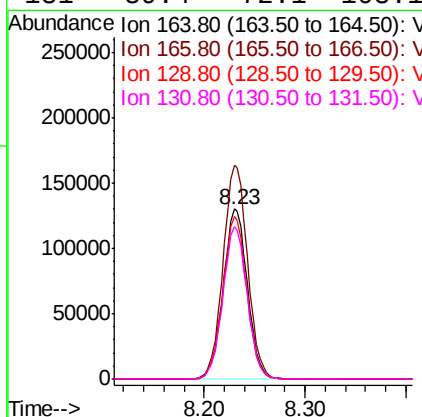
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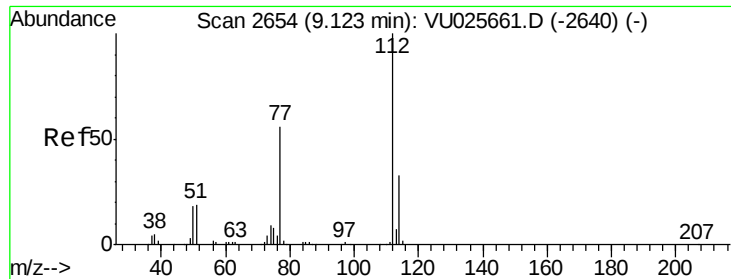
MMDadoda
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#64
Tetrachloroethene
Concen: 93.24 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	218610		
166	125.7	101.1	151.7	
129	95.6	73.0	109.6	
131	89.4	72.1	108.1	





#65

Chlorobenzene

Concen: 100.83 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 647837

Ion Ratio Lower Upper

112 100

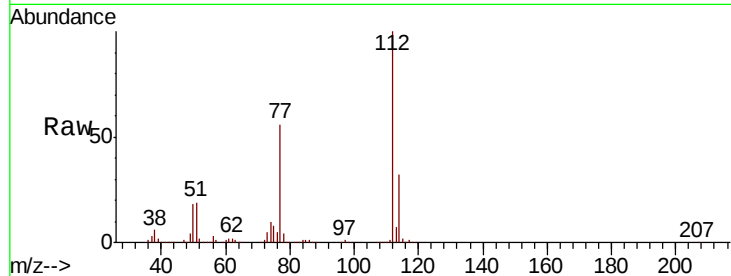
114 31.8 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

400000

300000

200000

100000

0

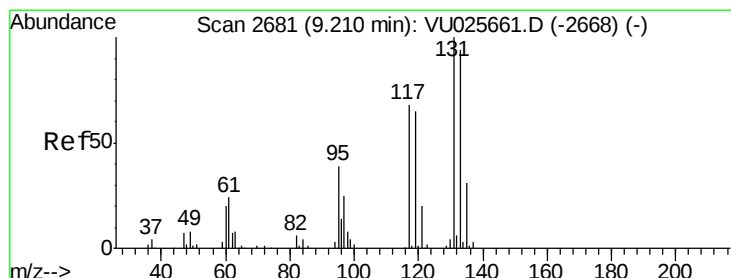
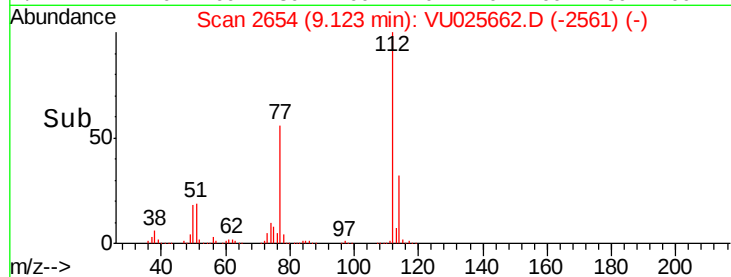
9.12

9.10

9.20

9.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 105.42 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

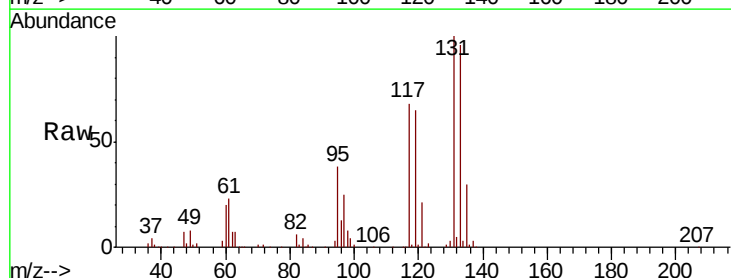
Tgt Ion:131 Resp: 242284

Ion Ratio Lower Upper

131 100

133 96.4 47.8 143.3

119 64.9 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

150000

100000

50000

0

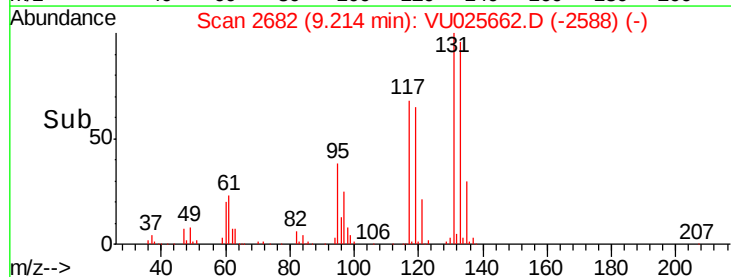
9.21

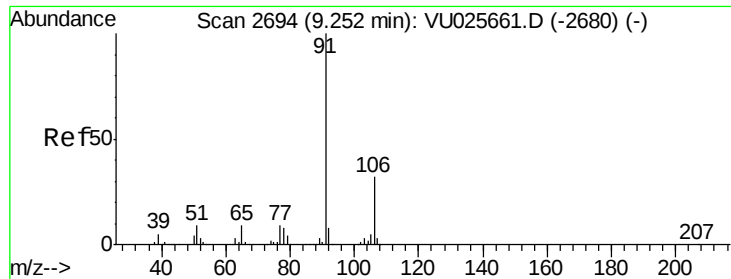
9.15

9.25

9.30

Time-->





#67

Ethyl Benzene

Concen: 100.70 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1103038

Ion Ratio Lower Upper

91 100

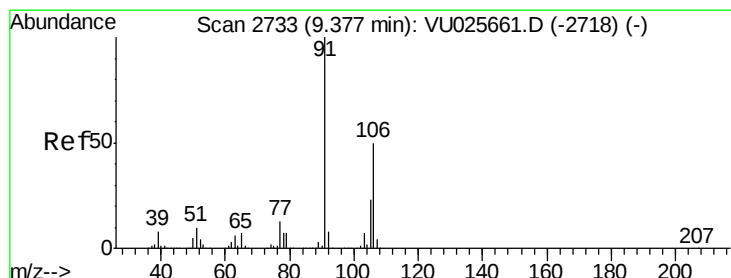
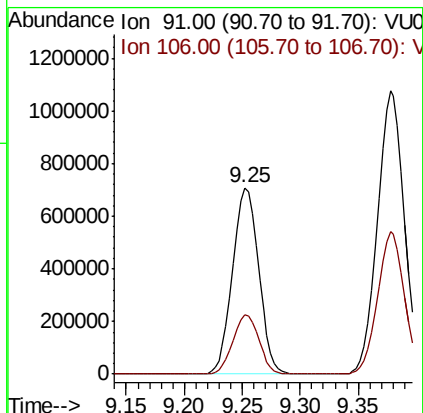
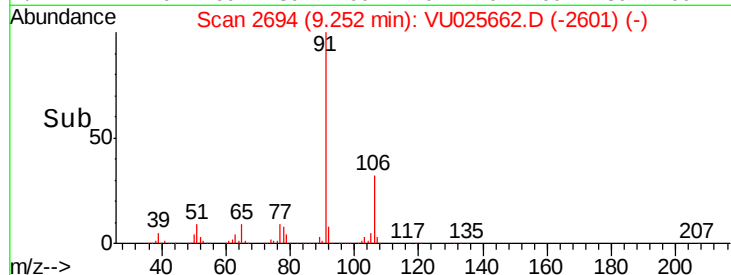
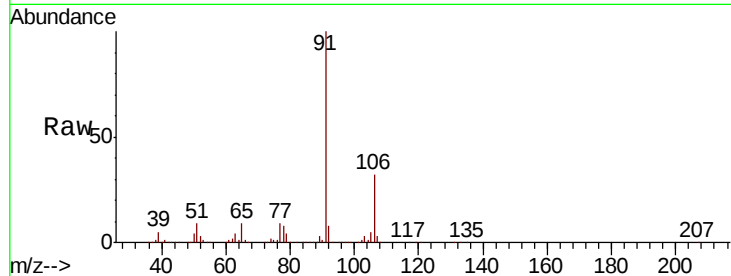
106 32.0 25.3 37.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 206.68 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025662.D

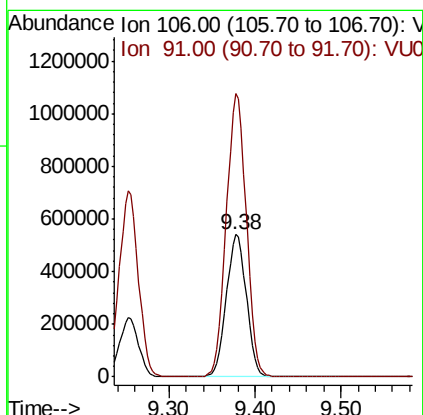
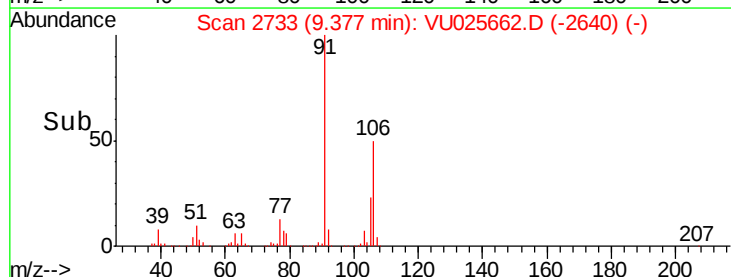
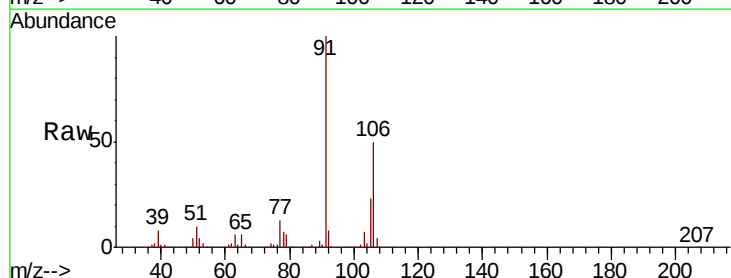
Acq: 27 Jul 2018 11:28

Tgt Ion: 106 Resp: 875274

Ion Ratio Lower Upper

106 100

91 199.1 162.3 243.5





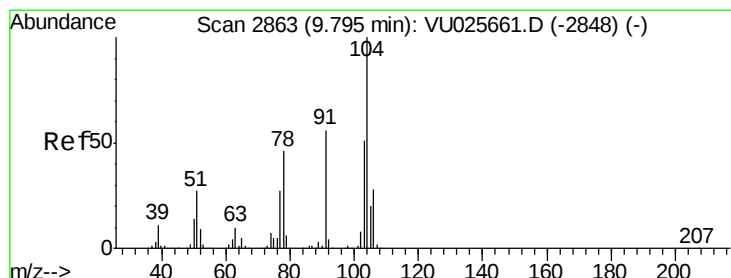
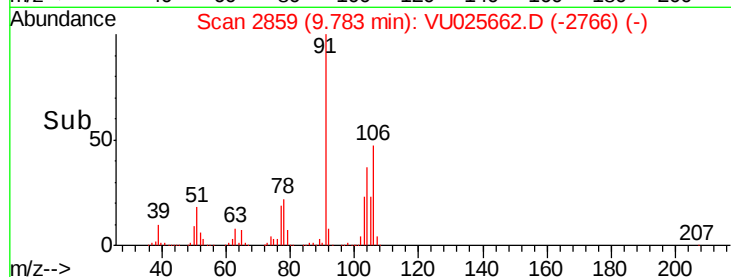
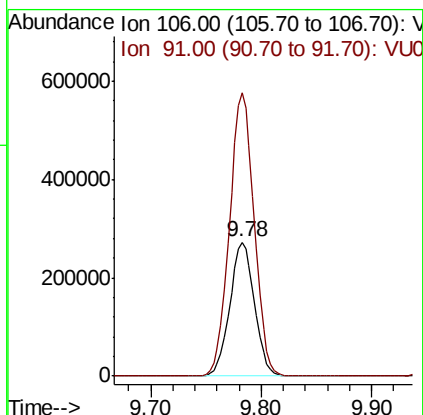
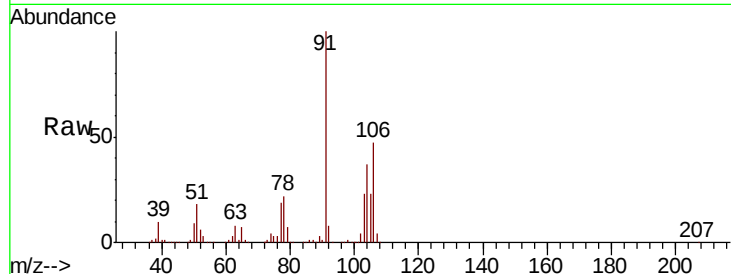
#69
o-Xylene
Concen: 99.06 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	105.3	315.8

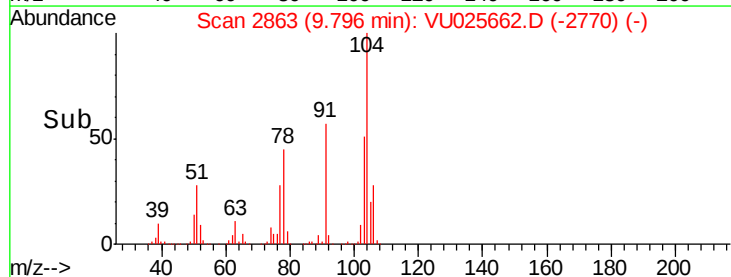
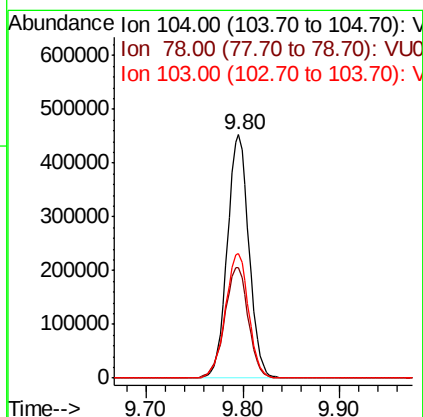
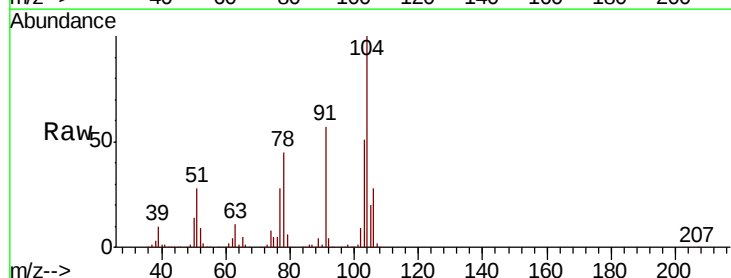
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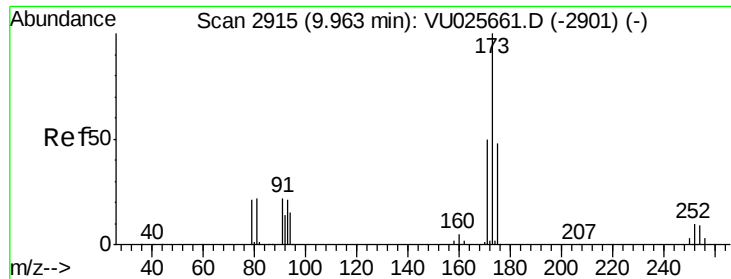
MMDadoda
7/31/2018 3:48:12 PM



#70
Styrene
Concen: 104.19 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	41.6	62.4
103	54.9	44.6	66.8





#71

Bromoform

Concen: 112.72 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025662.D

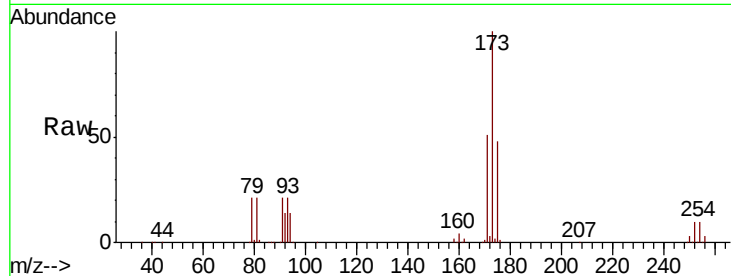
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

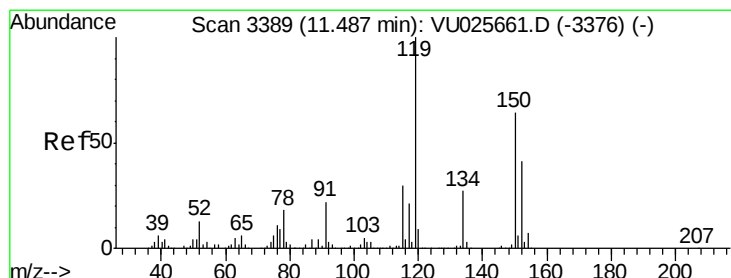
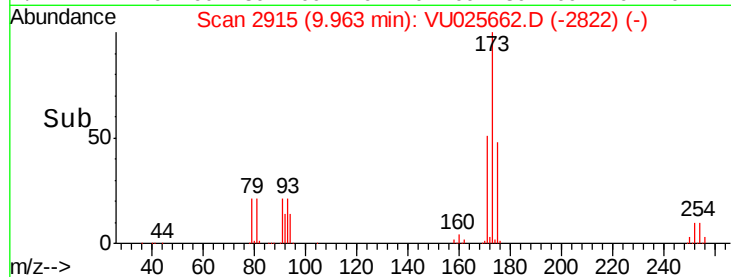
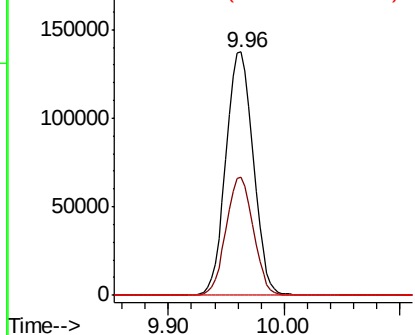
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.0	72.0
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

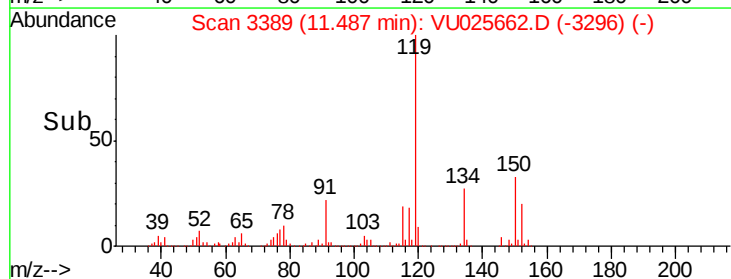
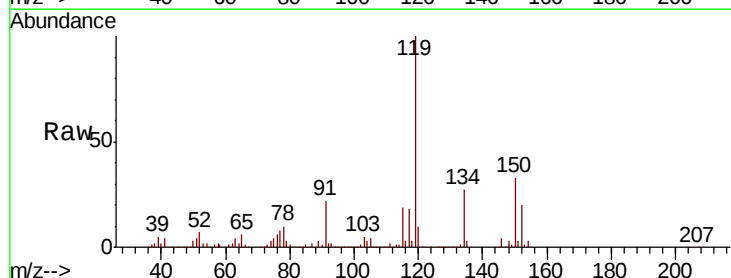
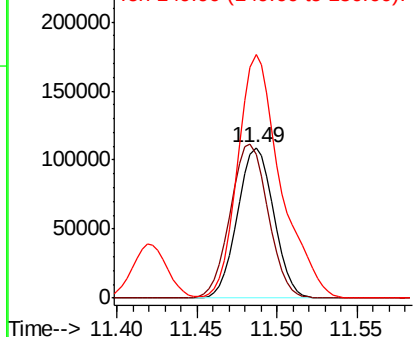
Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	107.2	40.1	120.3
150	192.5	0.0	351.4

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





#73

Isopropylbenzene

Concen: 89.12 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1141659

Ion Ratio Lower Upper

105 100

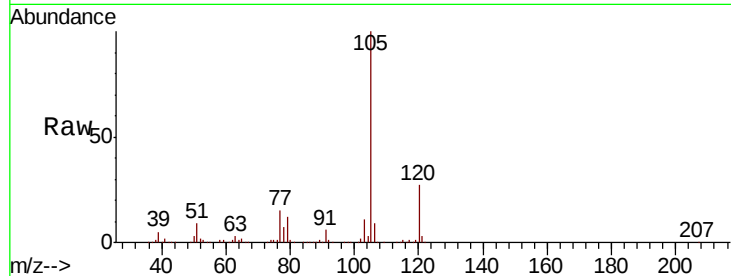
120 27.0 13.5 40.5

Manual Integrations

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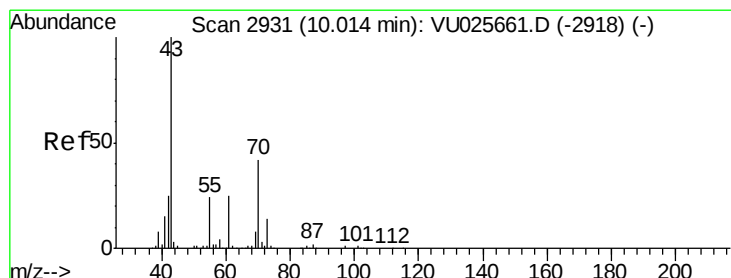
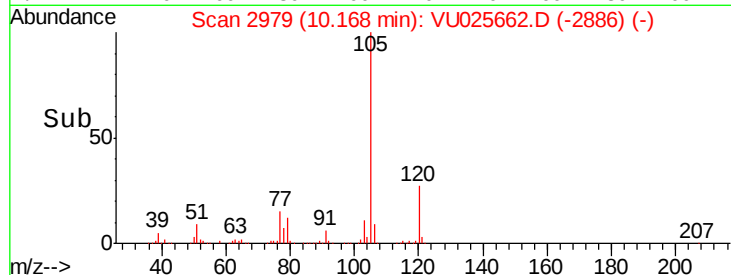
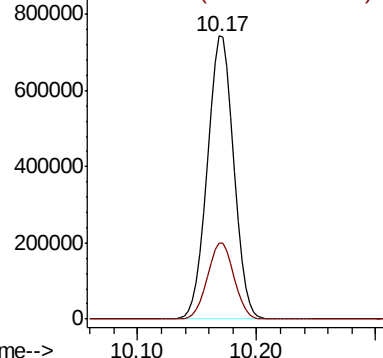
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 89.21 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion: 43 Resp: 496124

Ion Ratio Lower Upper

43 100

70 42.8 33.4 50.2

55 24.4 19.0 28.6

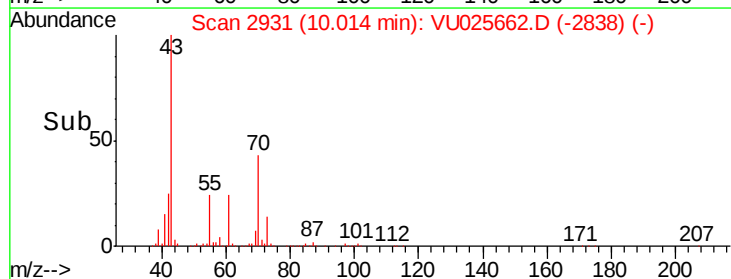
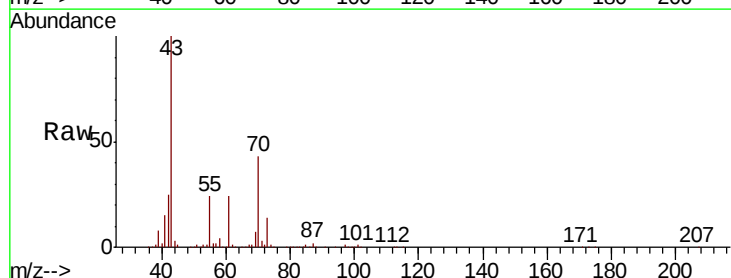
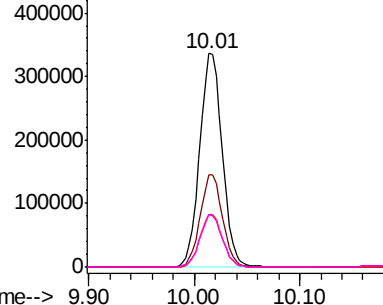
61 24.4 19.3 28.9

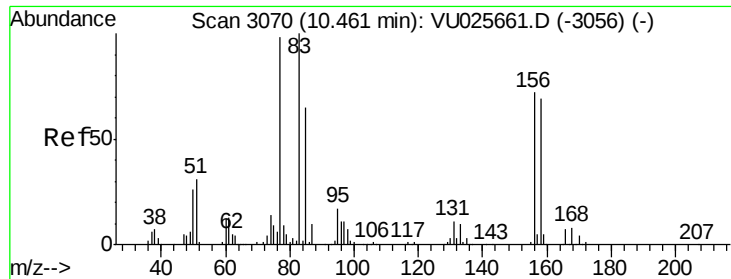
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 92.75 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 388719

Ion Ratio Lower Upper

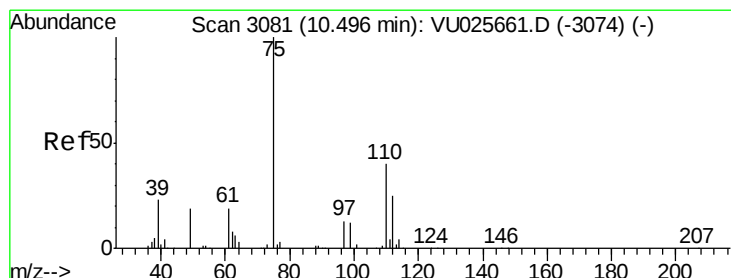
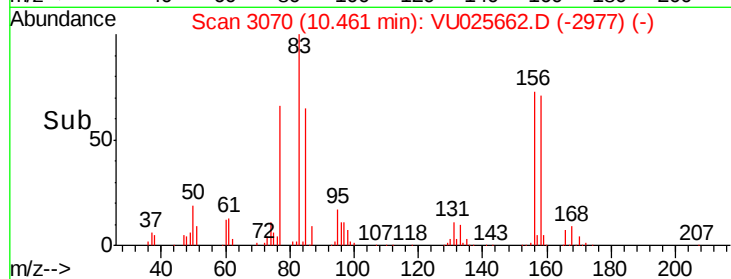
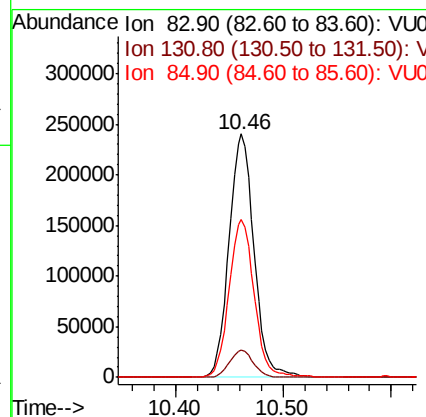
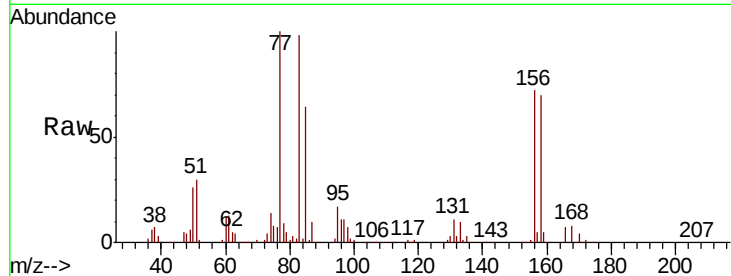
83 100

131 10.8 5.5 16.4

85 65.3 31.6 94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 96.94 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025662.D

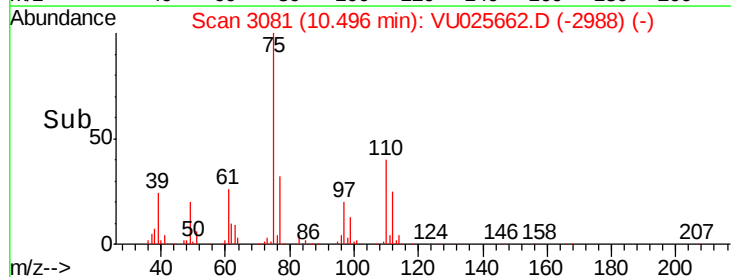
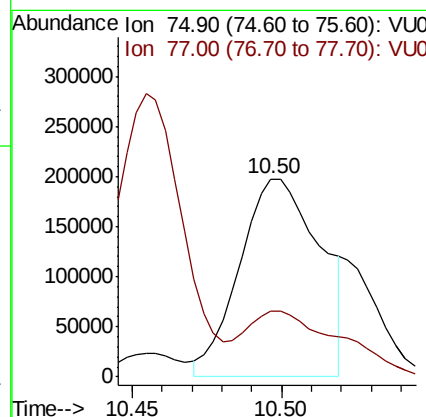
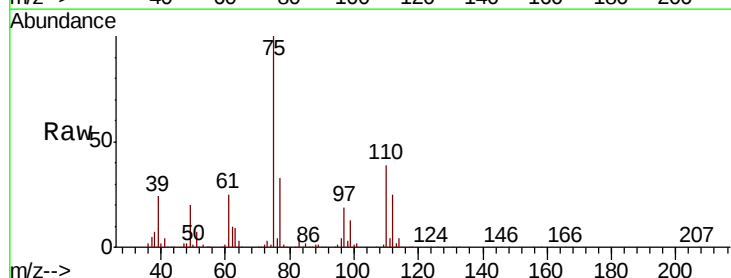
Acq: 27 Jul 2018 11:28

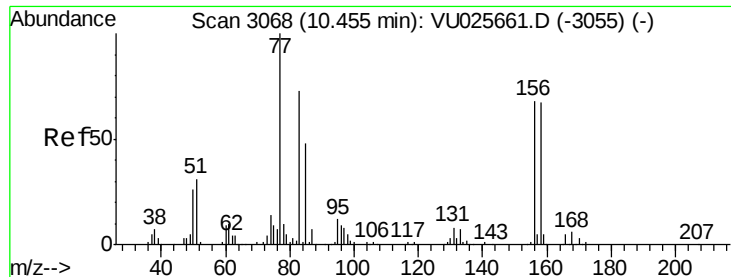
Tgt Ion: 75 Resp: 370113

Ion Ratio Lower Upper

75 100

77 38.6 20.4 61.3





#77

Bromobenzene

Concen: 94.42 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

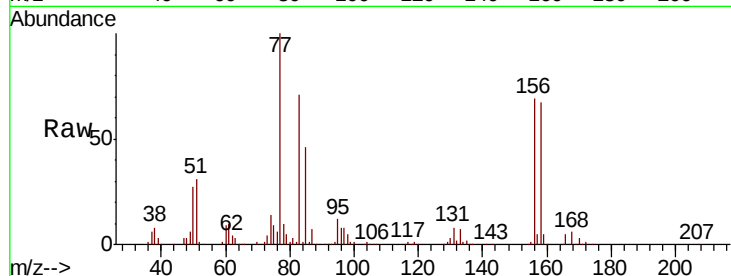
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.2	73.8	221.4
158	97.5	48.0	144.0

Manual Integrations
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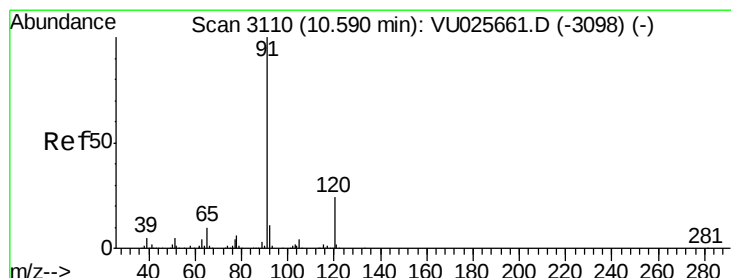
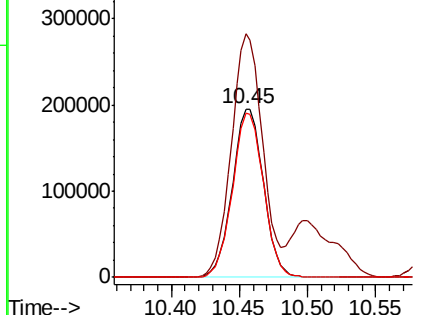
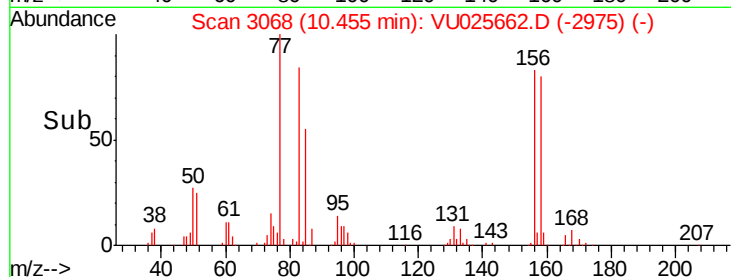
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 94.99 ug/l

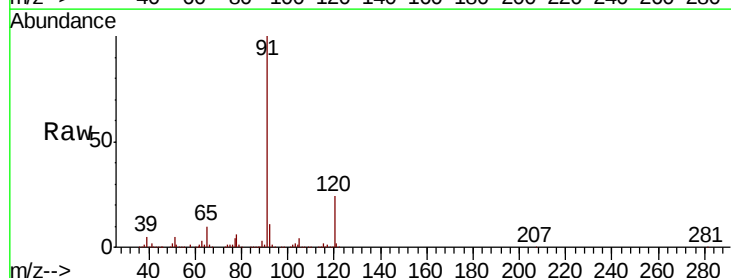
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025662.D

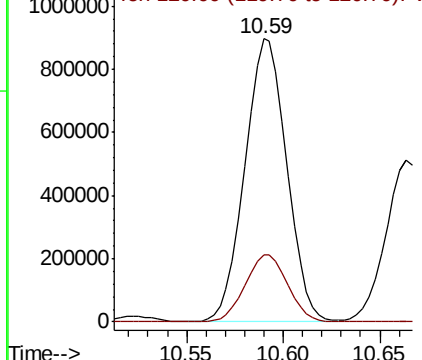
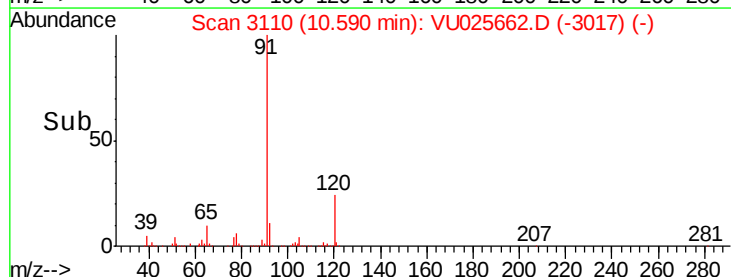
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





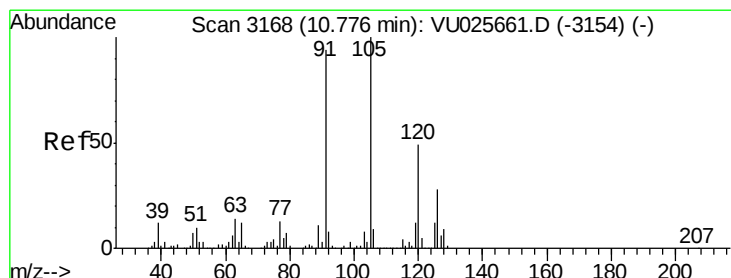
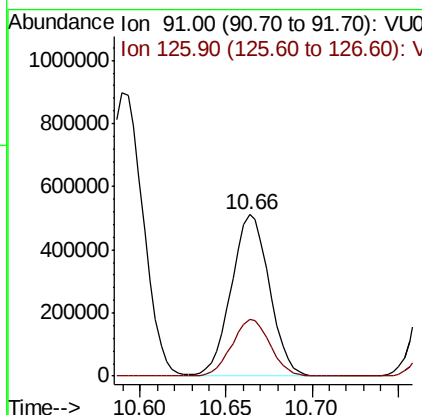
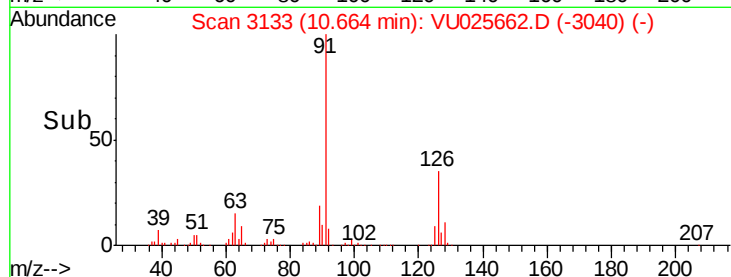
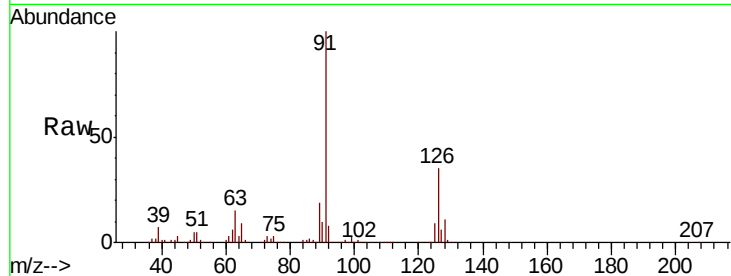
#79
 2-Chlorotoluene
 Concen: 88.05 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 783290
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.5 52.6

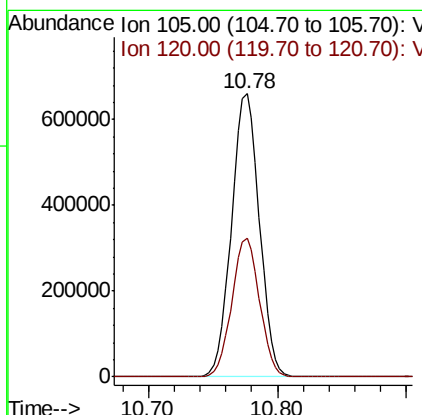
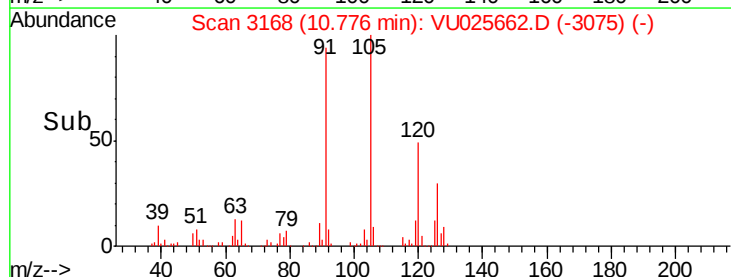
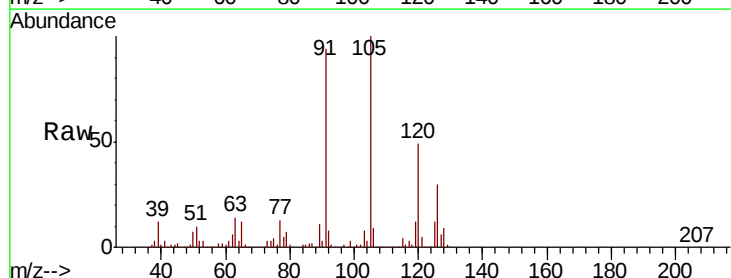
Manual Integrations
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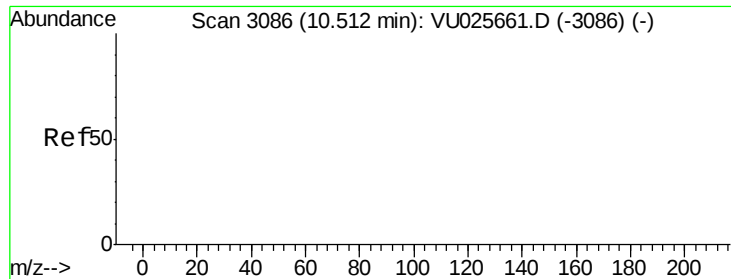
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#80
 1,3,5-Trimethylbenzene
 Concen: 91.81 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Tgt Ion: 105 Resp: 989590
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.2





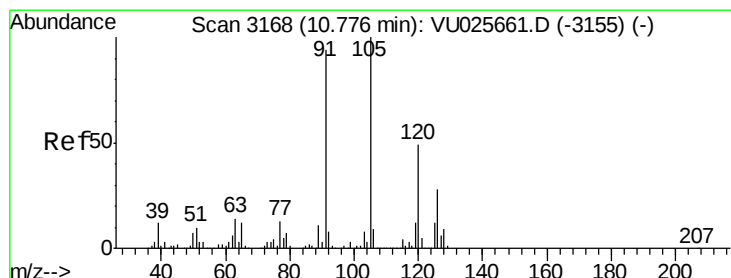
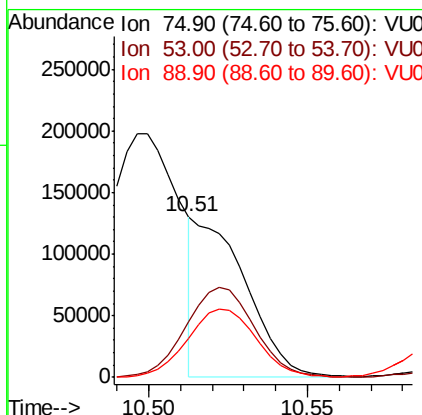
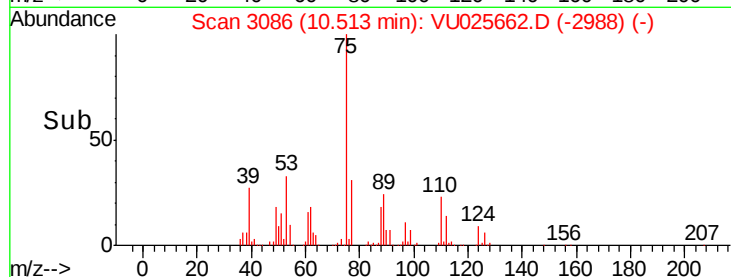
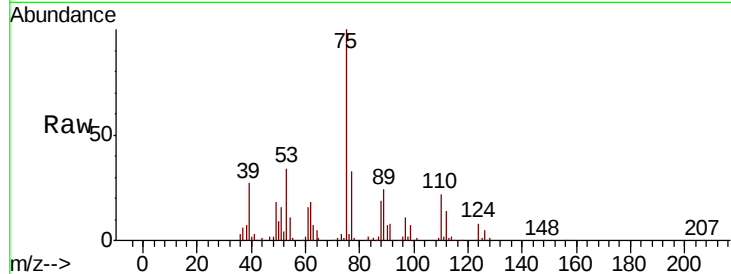
#81
trans-1,4-Dichloro-2-butene
Concen: 108.34 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

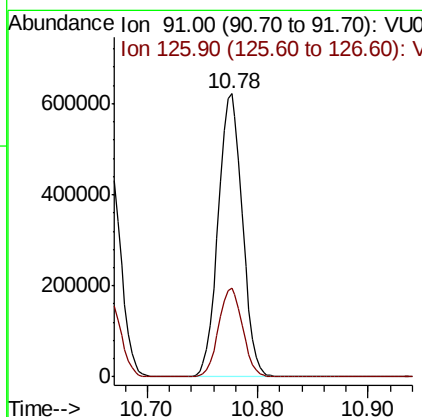
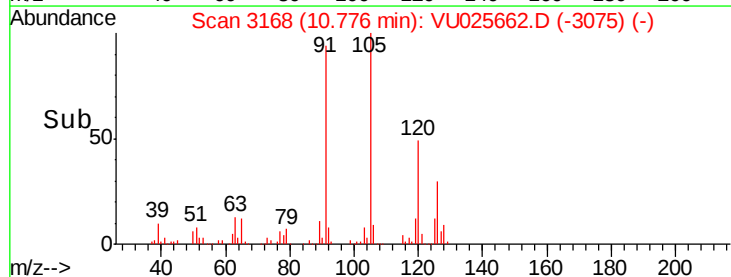
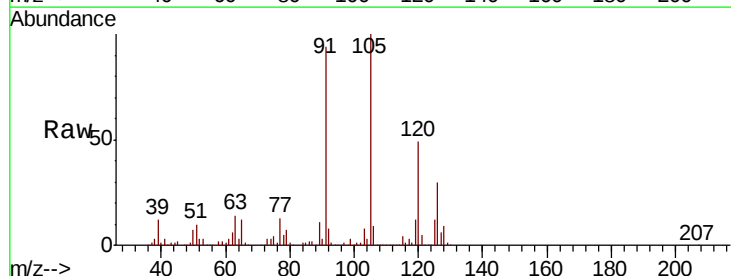
Manual Integrations
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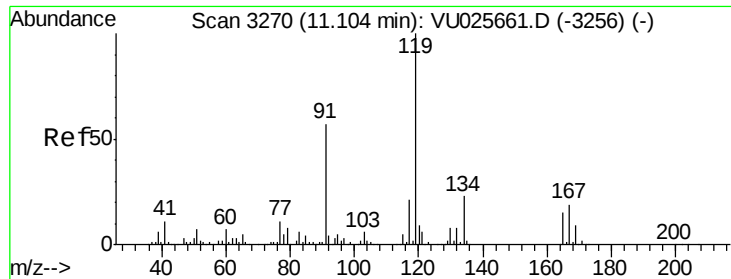
MMDadoda
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#82
4-Chlorotoluene
Concen: 93.60 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.3	45.9





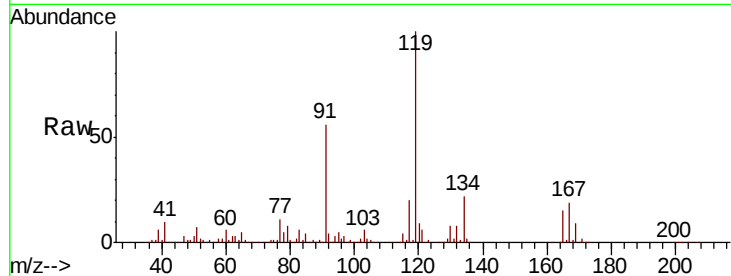
#83
tert-Butylbenzene
Concen: 90.23 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

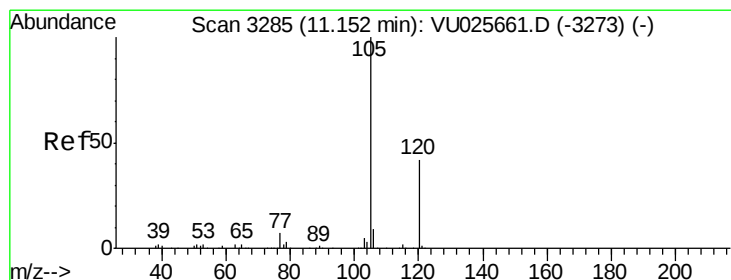
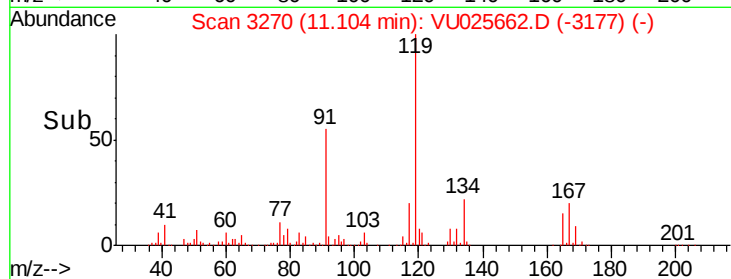
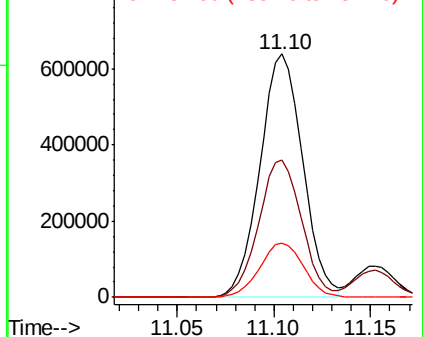
Tot Ion	Ratio	Resp	Lower	Upper
119	100	982868		
91	56.8		29.7	89.1
134	22.8		11.5	34.5

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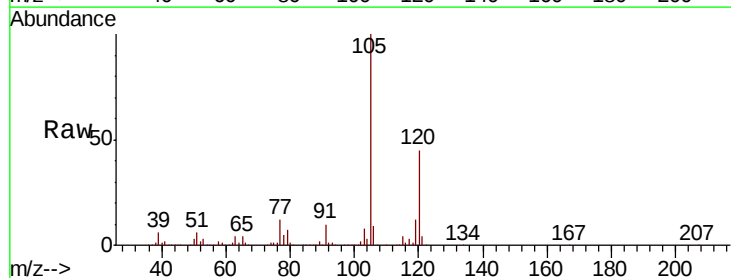


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

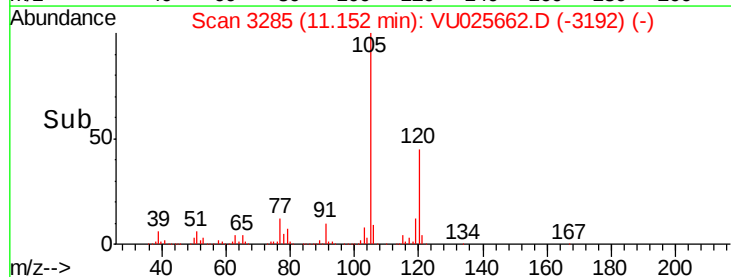
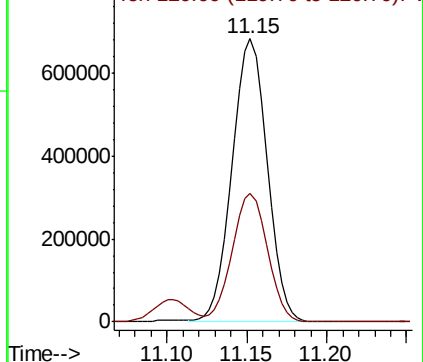


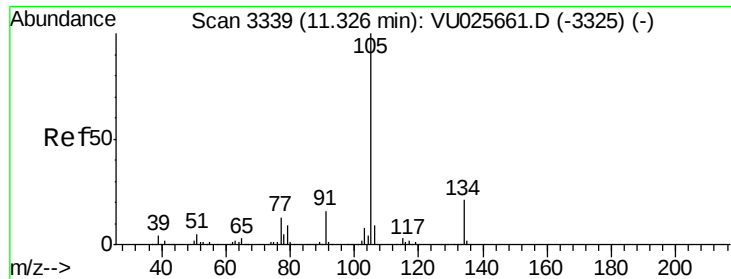
#84
1,2,4-Trimethylbenzene
Concen: 92.13 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1017780		
120	45.8		22.3	66.8



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





#85

sec-Butylbenzene

Concen: 93.94 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1204869

Ion Ratio Lower Upper

105 100

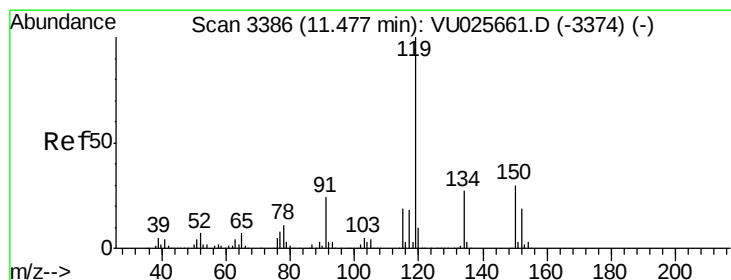
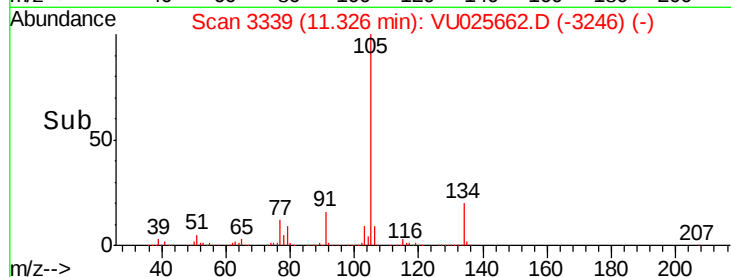
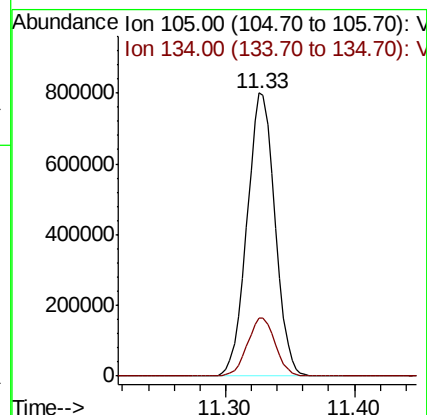
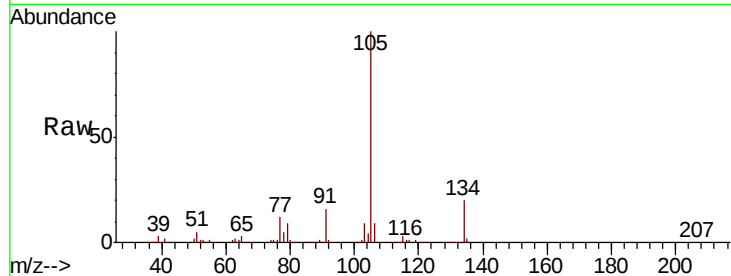
134 20.4 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 96.32 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

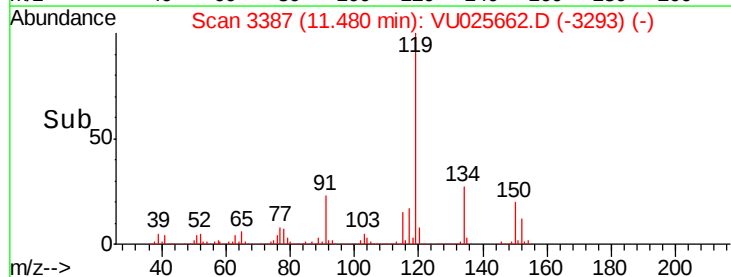
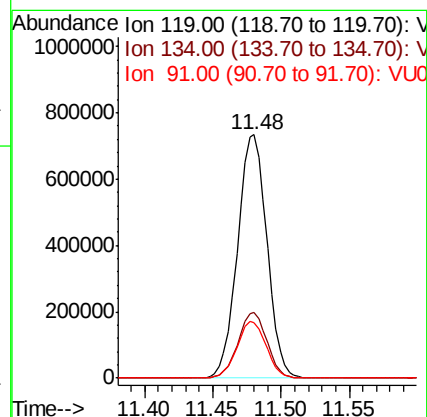
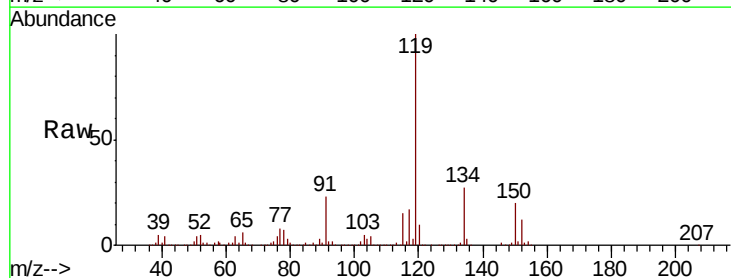
Tgt Ion:119 Resp: 1093772

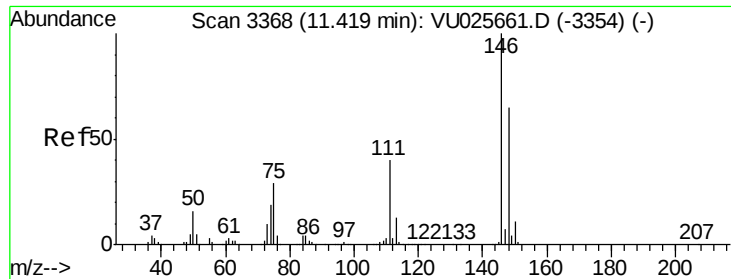
Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

91 23.2 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 96.61 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Instrument :

MSVOA_U

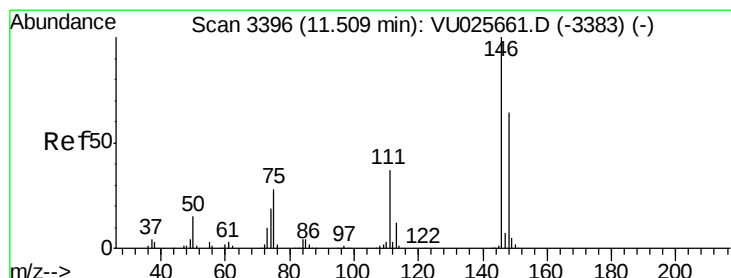
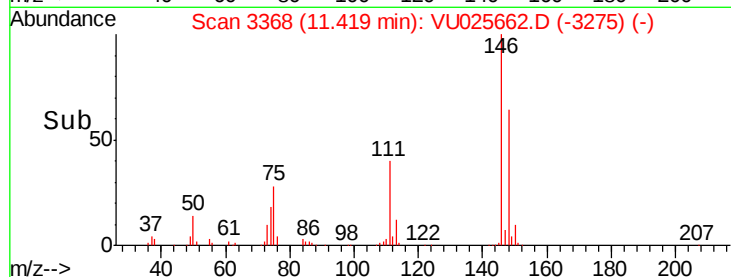
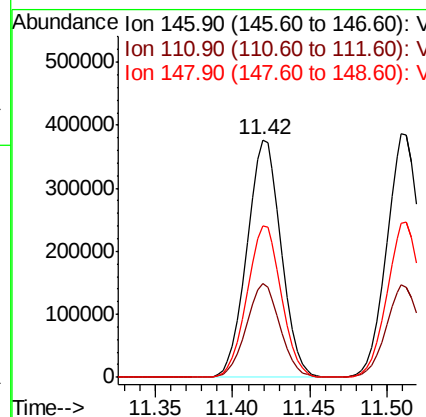
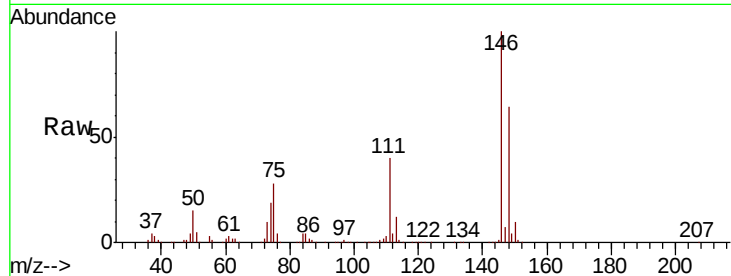
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	578637
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.7	59.1
148	64.1	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 95.54 ug/l

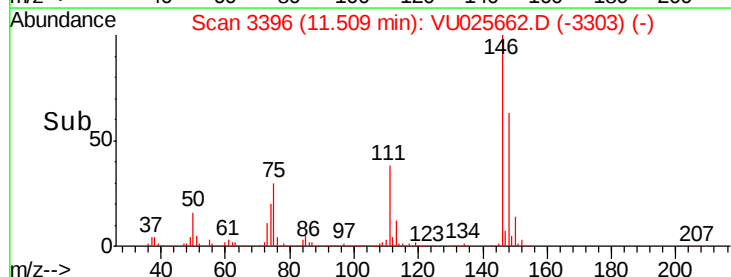
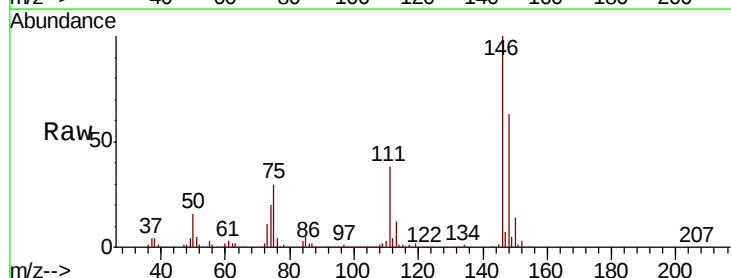
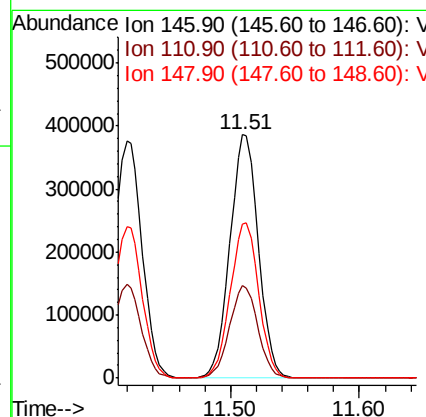
RT: 11.51 min Scan# 3396

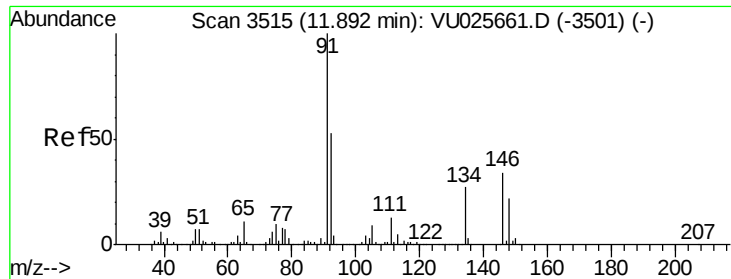
Delta R.T. 0.00 min

Lab File: VU025662.D

Acq: 27 Jul 2018 11:28

Tgt Ion:	146	Resp:	587726
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.4	58.1
148	64.1	31.7	95.1





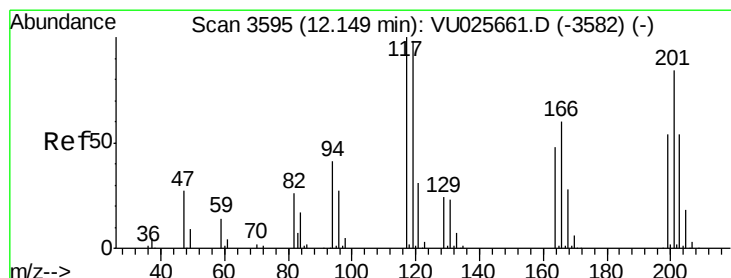
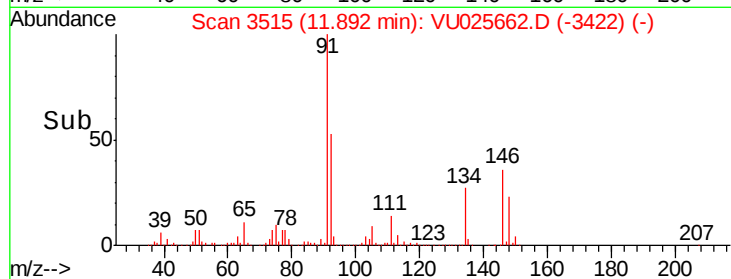
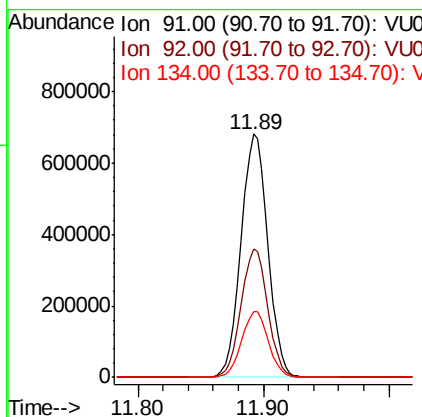
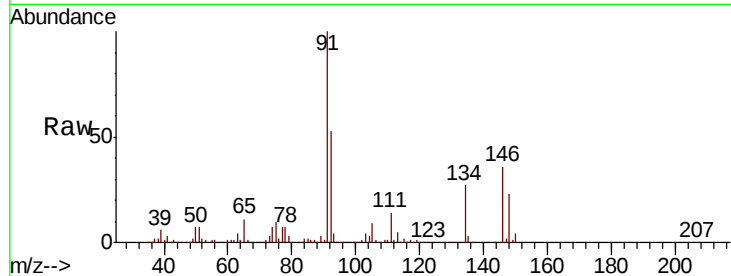
#89
n-Butylbenzene
Concen: 108.25 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1010509
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.5
134 27.1 13.6 40.7

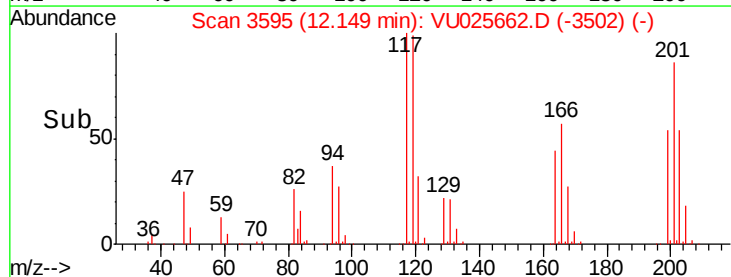
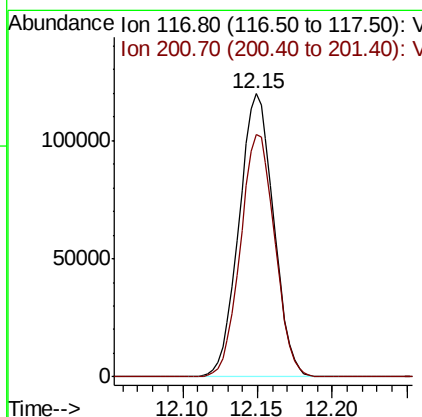
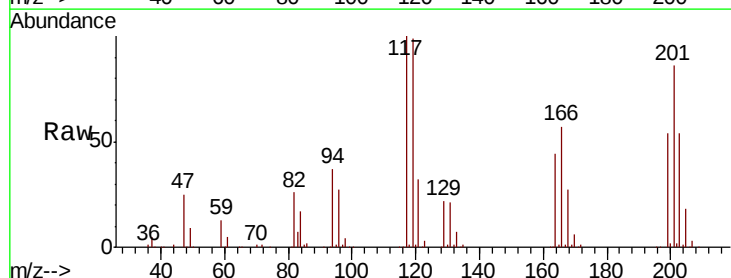
Manual Integrations
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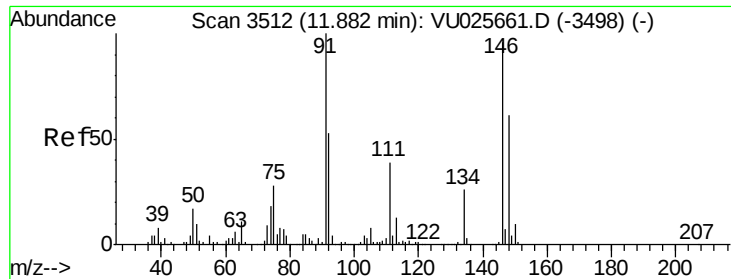
MMDadoda
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#90
Hexachloroethane
Concen: 100.38 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion: 117 Resp: 193024
Ion Ratio Lower Upper
117 100
201 85.1 42.5 127.6





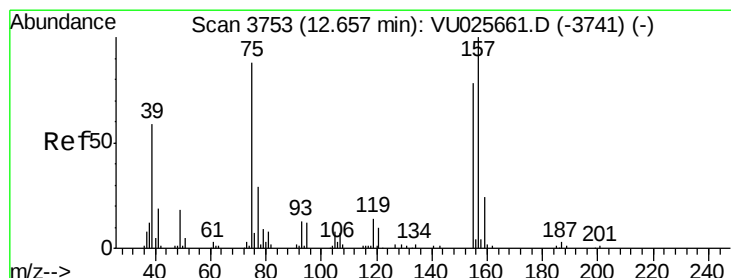
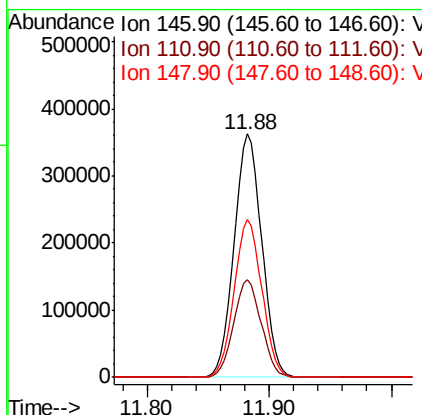
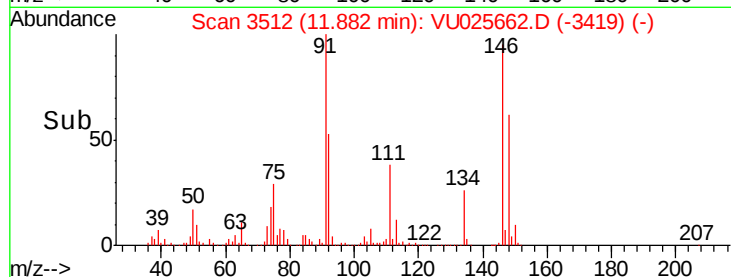
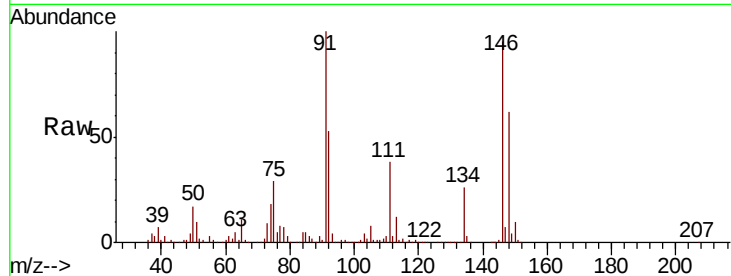
#91
 1,2-Dichlorobenzene
 Concen: 94.40 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.6	61.8
148	64.7	31.5	94.5

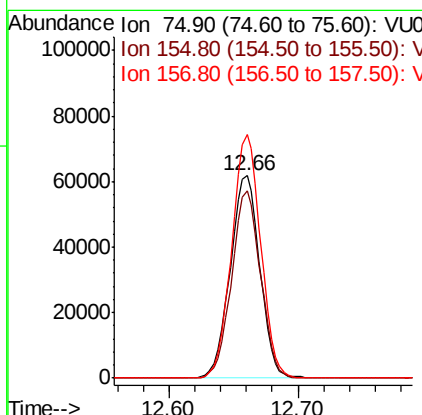
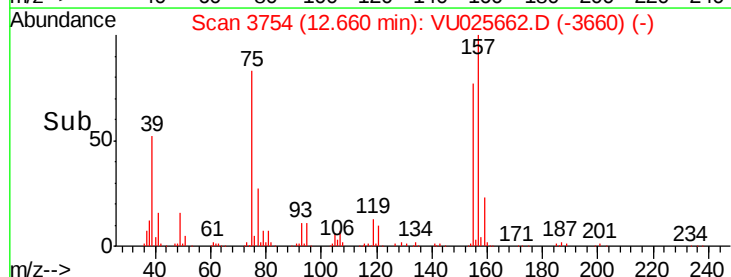
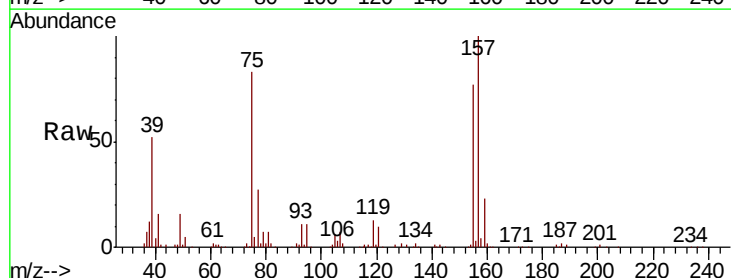
Manual Integrations
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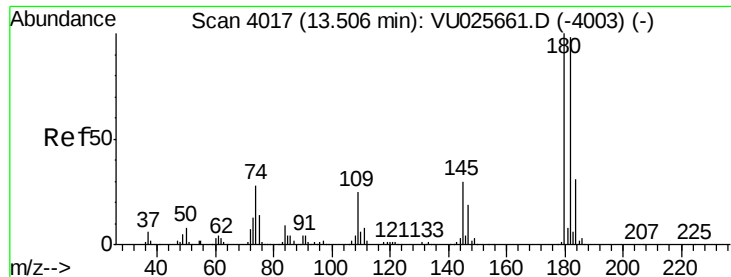
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.79 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	44.5	133.3
157	117.5	57.0	170.8





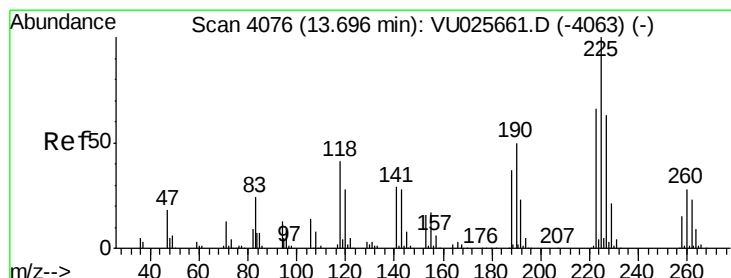
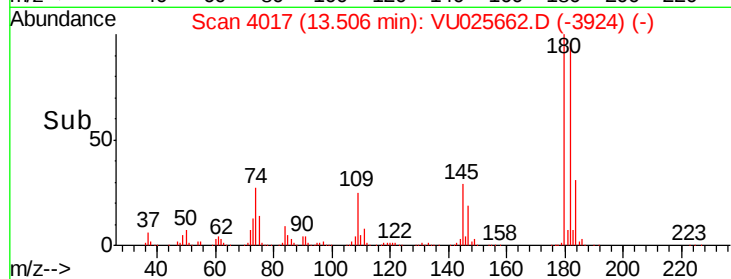
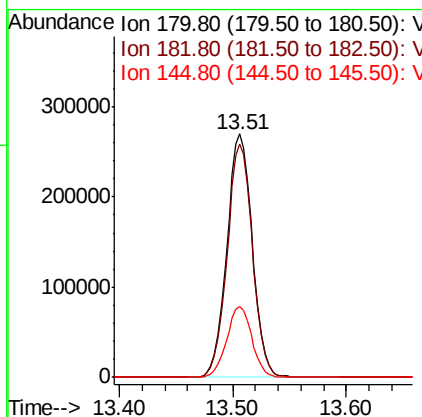
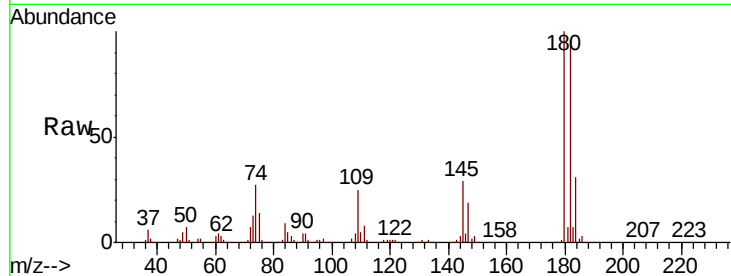
#93
 1,2,4-Trichlorobenzene
 Concen: 106.14 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	420663		
182	95.1	47.3	141.9	
145	29.1	14.9	44.7	

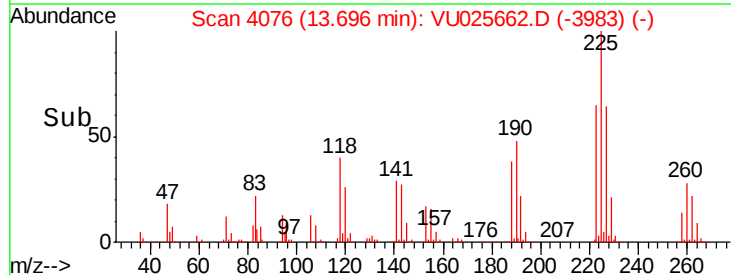
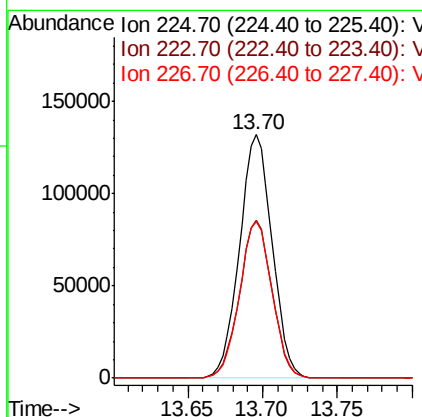
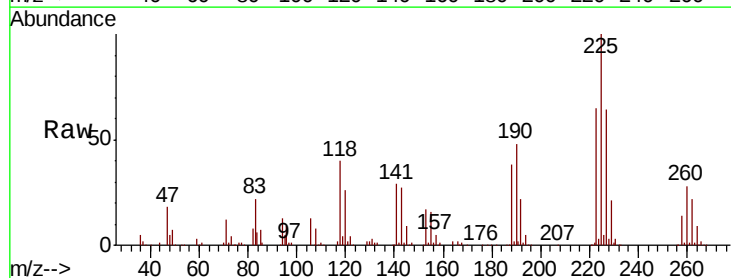
Manual Integrations
 APPROVED

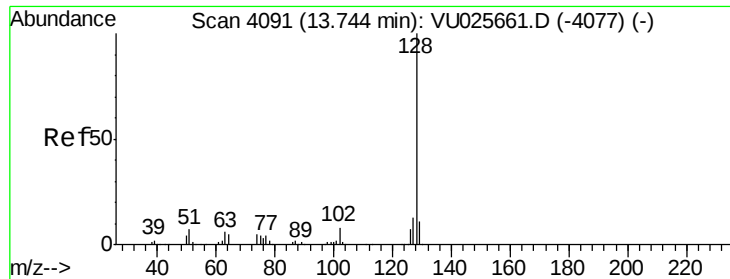
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#94
 Hexachlorobutadiene
 Concen: 92.47 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025662.D
 Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	200038		
223	64.5	31.9	95.7	
227	64.2	32.3	96.9	





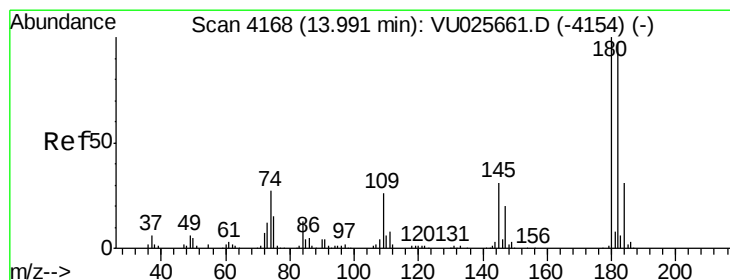
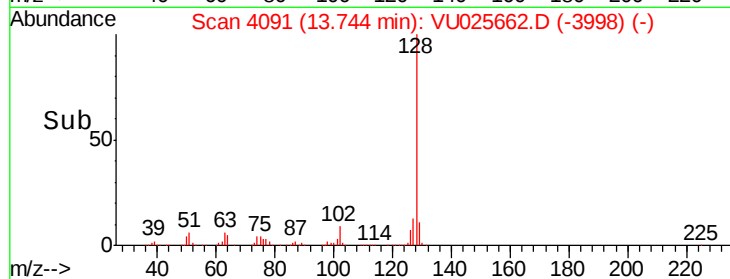
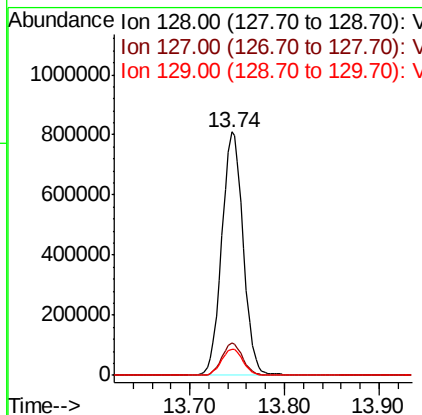
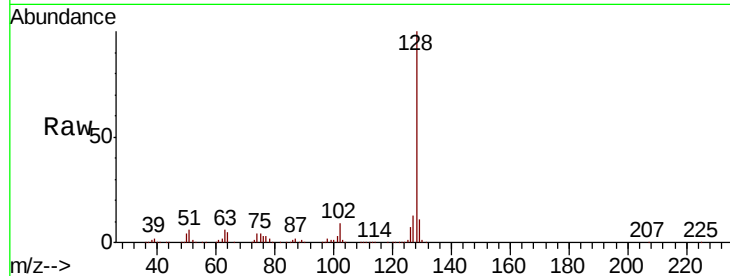
#95
Naphthalene
Concen: 93.36 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 96.90 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025662.D
Acq: 27 Jul 2018 11:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.3
145	31.6	15.6	46.8

