

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025786.D
 Acq On : 01 Aug 2018 19:03
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:45:30 AM

Quant Time: Aug 02 05:16:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284461	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	172621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	141942	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
35) Dibromofluoromethane	4.89	113	120644	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	7.57	98	425739	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	10.31	95	167780	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	138874	48.374	ug/l	97
3) Chloromethane	1.33	50	112447	40.980	ug/l	100
4) Vinyl Chloride	1.40	62	120221	46.557	ug/l	100
5) Bromomethane	1.62	94	39782	31.543	ug/l	100
6) Chloroethane	1.69	64	67836	44.927	ug/l	97
7) Trichlorofluoromethane	1.88	101	175858	47.103	ug/l	100
8) Diethyl Ether	2.10	74	63114	46.721	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	104122	48.191	ug/l	99
10) Methyl Iodide	2.41	142	39972	25.021	ug/l	100
11) Tert butyl alcohol	2.83	59	156924	242.185	ug/l	98
12) 1,1-Dichloroethene	2.28	96	97060	47.591	ug/l	97
13) Acrolein	2.19	56	48242	205.221	ug/l	98
14) Allyl chloride	2.59	41	164992	45.018	ug/l	97
15) Acrylonitrile	2.94	53	327579	253.213	ug/l	100
16) Acetone	2.32	43	306101	212.145	ug/l	96
17) Carbon Disulfide	2.47	76	293743	44.504	ug/l	100
18) Methyl Acetate	2.62	43	215437	62.035	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	364290	49.291	ug/l	98
20) Methylene Chloride	2.70	84	117324	45.881	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	111207	47.170	ug/l	97
22) Diisopropyl ether	3.58	45	352816	48.852	ug/l	93
23) Vinyl Acetate	3.53	43	1475383	234.409	ug/l	98
24) 1,1-Dichloroethane	3.45	63	207474	47.856	ug/l	99
25) 2-Butanone	4.27	43	476861	242.780	ug/l	100
26) 2,2-Dichloropropane	4.23	77	171021	43.400	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	126245	47.496	ug/l	99
28) Bromochloromethane	4.55	49	88504	45.658	ug/l	94
29) Tetrahydrofuran	4.64	42	296348	251.835	ug/l	100
30) Chloroform	4.68	83	217199	47.463	ug/l	100
31) Cyclohexane	5.00	56	176175	46.624	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	197073	47.832	ug/l	99
36) 1,1-Dichloropropene	5.14	75	162349	48.836	ug/l	98
37) Ethyl Acetate	4.38	43	169353	49.130	ug/l	99
38) Carbon Tetrachloride	5.14	117	178484	47.401	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	170858	44.856	ug/l	99
40) Benzene	5.39	78	455398	46.864	ug/l	97
41) Methacrylonitrile	4.54	41	96772	50.545	ug/l	98
42) 1,2-Dichloroethane	5.41	62	174793	46.715	ug/l	99
43) Isopropyl Acetate	5.55	43	278339	48.864	ug/l	98
44) Trichloroethene	6.19	130	129732	47.939	ug/l	100
45) 1,2-Dichloropropane	6.44	63	120440	47.524	ug/l	97
46) Dibromomethane	6.56	93	88073	47.962	ug/l	99
47) Bromodichloromethane	6.76	83	168751	48.176	ug/l	97
48) Methyl methacrylate	6.63	41	144053	51.599	ug/l	97
49) 1,4-Dioxane	6.62	88	63685	937.409	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	909199	254.951	ug/l	100
52) Toluene	7.64	92	294100	48.717	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	193109	49.100	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	200176	49.548	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	120168	47.898	ug/l	99
56) Ethyl methacrylate	8.02	69	186828	52.120	ug/l	96
57) 1,3-Dichloropropane	8.25	76	204581	48.489	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	381575	235.494	ug/l	98
59) 2-Hexanone	8.36	43	710335	254.104	ug/l	97
60) Dibromochloromethane	8.48	129	146119	49.389	ug/l	99
61) 1,2-Dibromoethane	8.59	107	137228	49.183	ug/l	99
64) Tetrachloroethene	8.23	164	116055	48.014	ug/l	98
65) Chlorobenzene	9.12	112	344157	48.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	129993	50.754	ug/l	100
67) Ethyl Benzene	9.25	91	575376	49.061	ug/l	100
68) m/p-Xylenes	9.38	106	447213	99.325	ug/l	100
69) o-Xylene	9.78	106	217733	49.480	ug/l	99
70) Styrene	9.80	104	360981	50.786	ug/l	98
71) Bromoform	9.96	173	114731	51.661	ug/l #	98
73) Isopropylbenzene	10.17	105	584636	49.622	ug/l	100
74) N-amyl acetate	10.01	43	246685	51.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	203028	49.832	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	178647m	46.970	ug/l	
77) Bromobenzene	10.45	156	161176	49.597	ug/l	98
78) n-propylbenzene	10.59	91	675948	49.155	ug/l	99
79) 2-Chlorotoluene	10.66	91	399395	49.587	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	495515	49.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	52007m	34.287	ug/l	
82) 4-Chlorotoluene	10.78	91	481162	50.679	ug/l	99
83) tert-Butylbenzene	11.10	119	487954	49.082	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	505513	49.855	ug/l	97
85) sec-Butylbenzene	11.33	105	578687	47.676	ug/l	100
86) p-Isopropyltoluene	11.48	119	526150	48.410	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	293833	48.712	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	299191	47.583	ug/l	99
89) n-Butylbenzene	11.89	91	458296	45.695	ug/l	99
90) Hexachloroethane	12.15	117	87964	45.521	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	289753	49.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50254	52.028	ug/l	95

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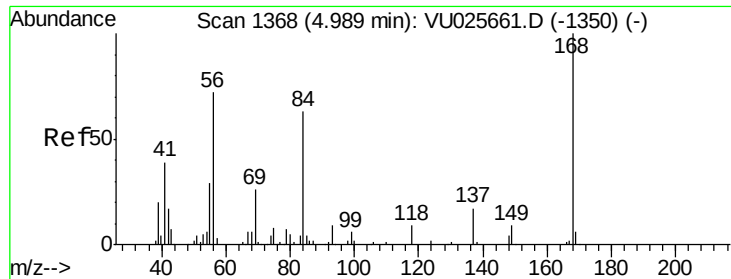
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	206135	51.656	ug/l	100
94) Hexachlorobutadiene	13.70	225	81747	38.862	ug/l	99
95) Naphthalene	13.74	128	668973	52.136	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	203572	51.139	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 189943

Ion Ratio Lower Upper

168 100

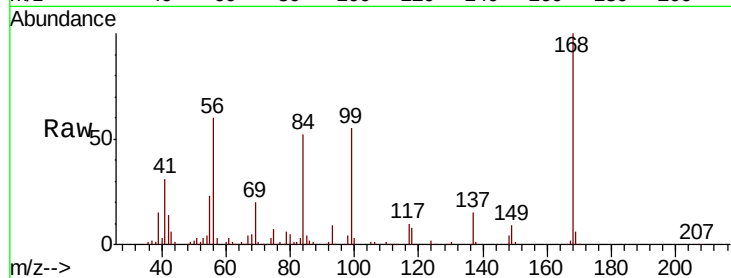
99 54.4 42.8 64.2

Manual Integrations

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

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

4.99

80000

60000

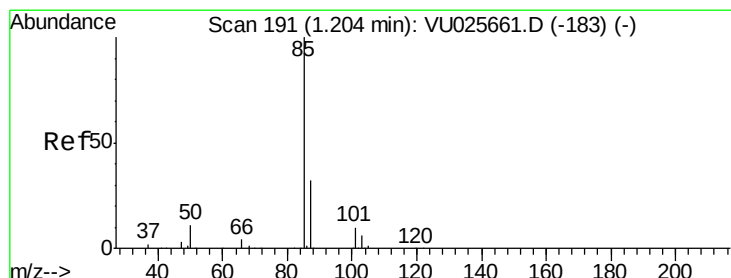
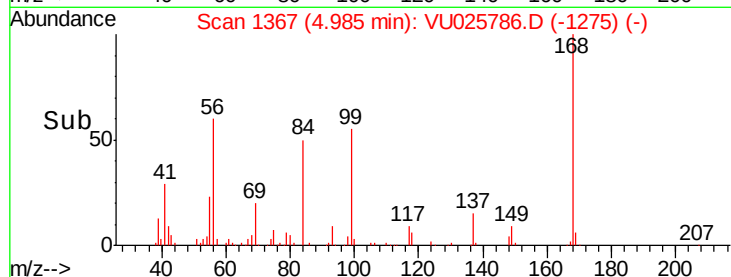
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.374 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025786.D

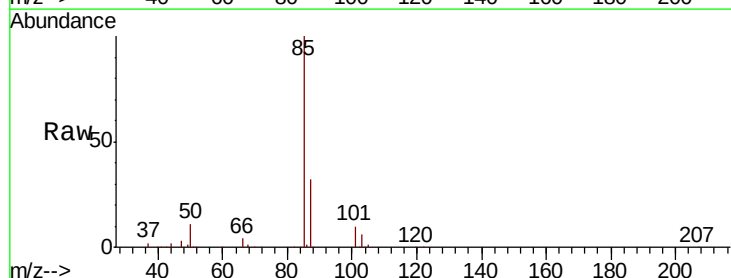
Acq: 01 Aug 2018 19:03

Tgt Ion: 85 Resp: 138874

Ion Ratio Lower Upper

85 100

87 31.6 16.5 49.5



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

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

1.20

150000

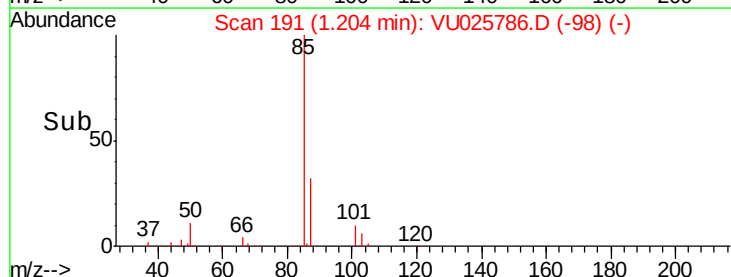
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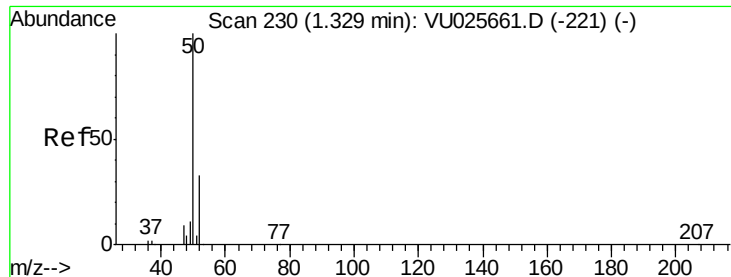
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 40.980 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 112447

Ion Ratio Lower Upper

50 100

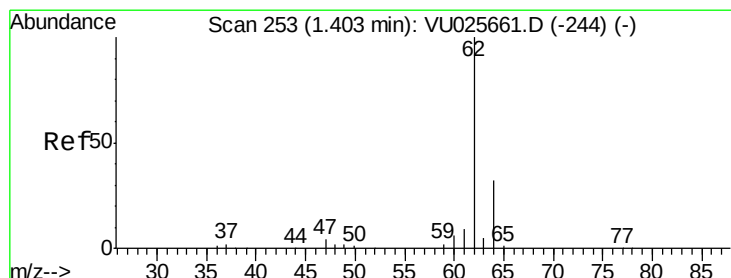
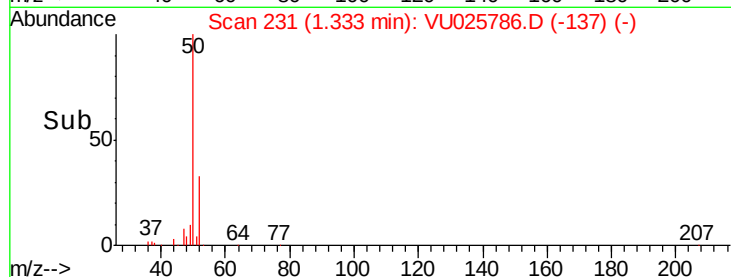
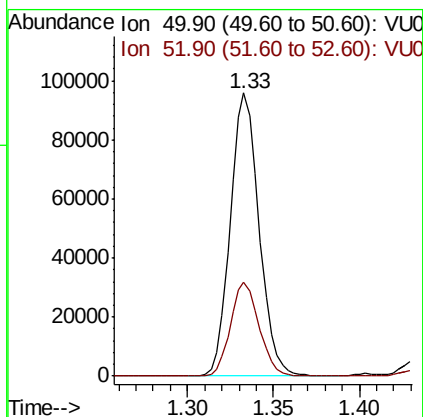
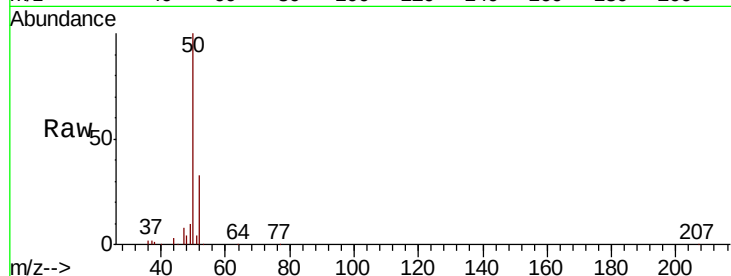
52 33.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.557 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025786.D

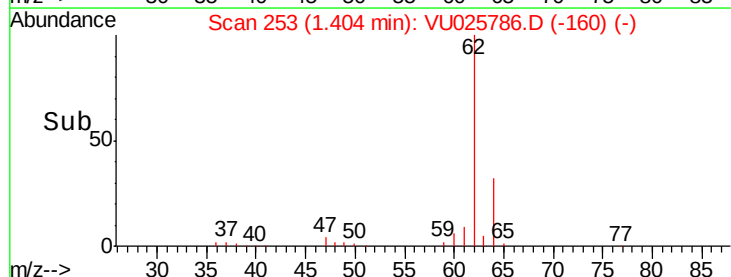
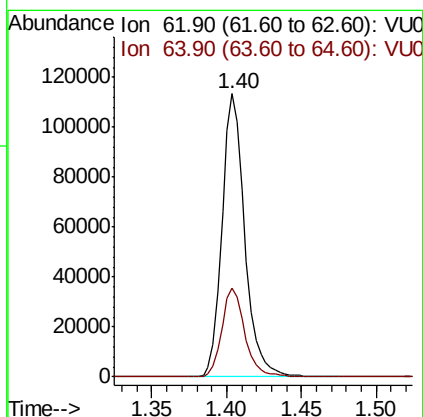
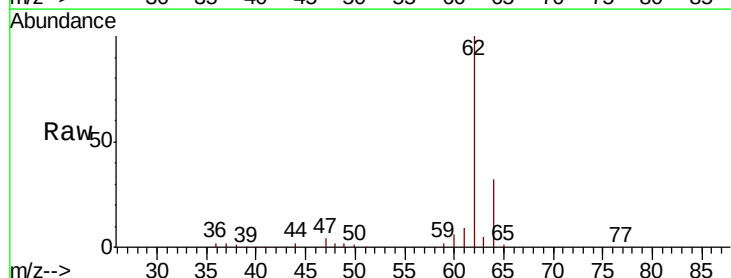
Acq: 01 Aug 2018 19:03

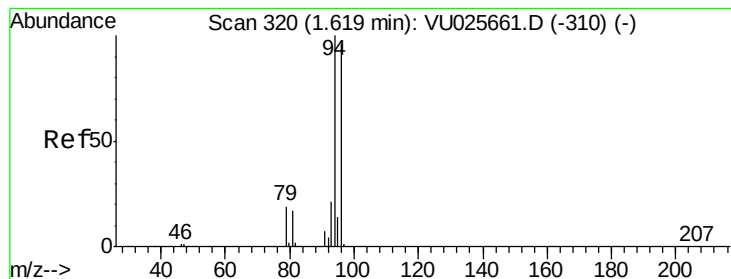
Tgt Ion: 62 Resp: 120221

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 31.543 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 39782

Ion Ratio Lower Upper

94 100

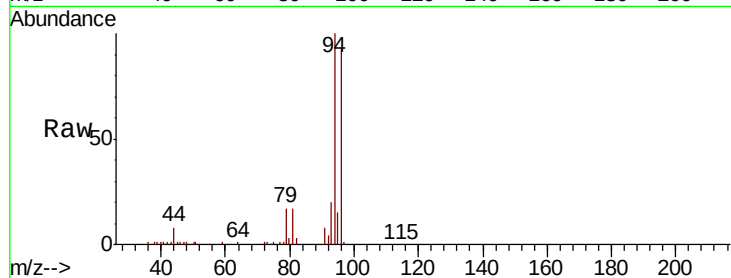
96 93.4 75.0 112.4

Manual Integrations

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

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

1.62

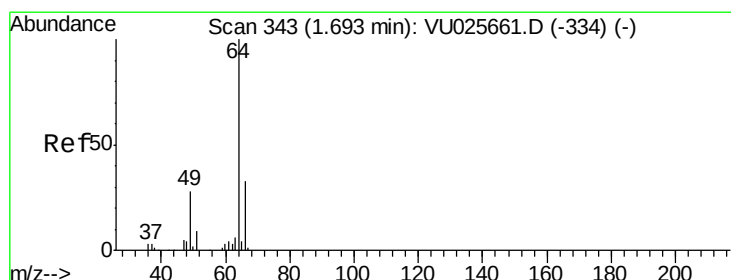
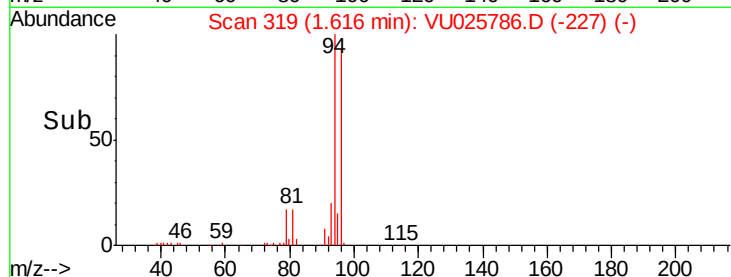
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 44.927 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025786.D

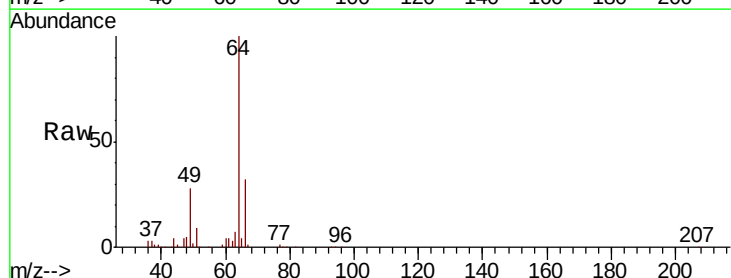
Acq: 01 Aug 2018 19:03

Tgt Ion: 64 Resp: 67836

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.4



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

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

1.69

60000

50000

40000

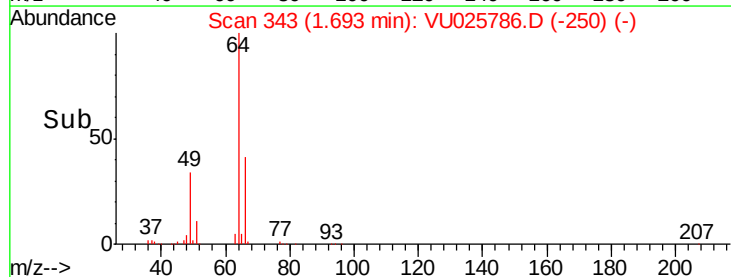
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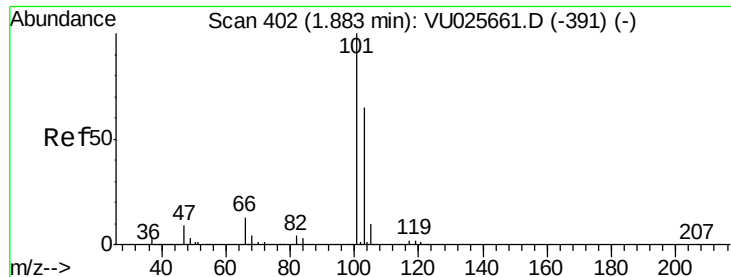
20000

10000

0

Time-->





#7

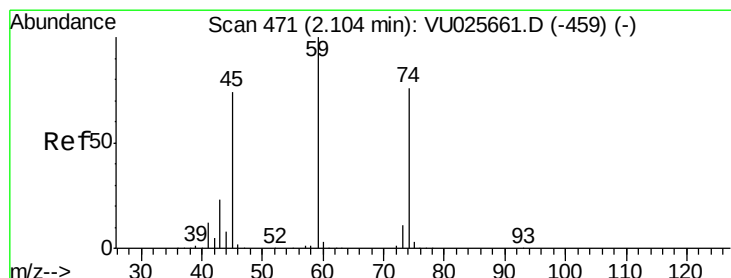
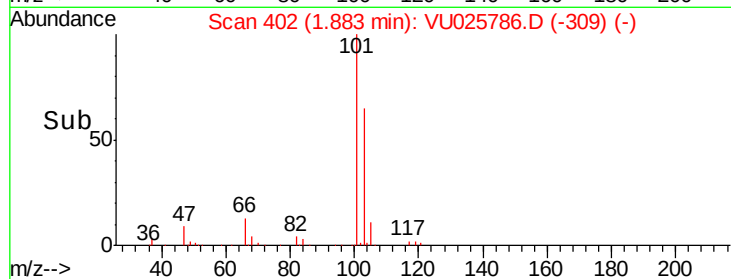
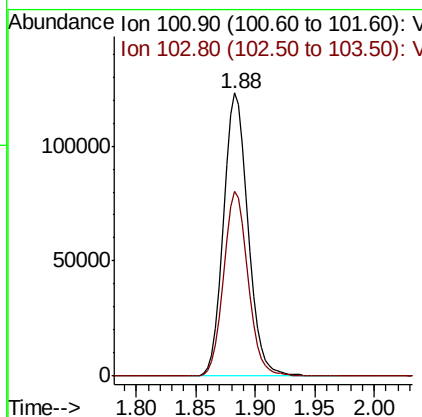
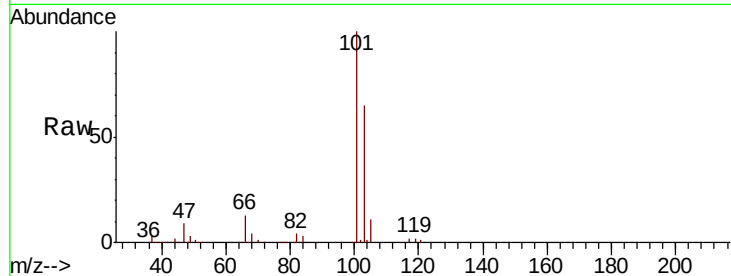
Trichlorofluoromethane
 Concen: 47.103 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2

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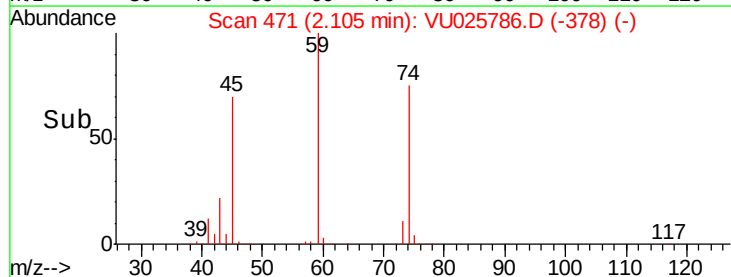
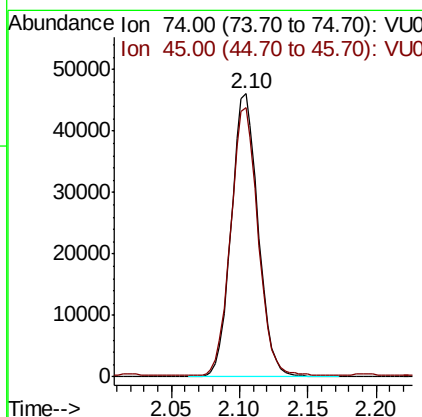
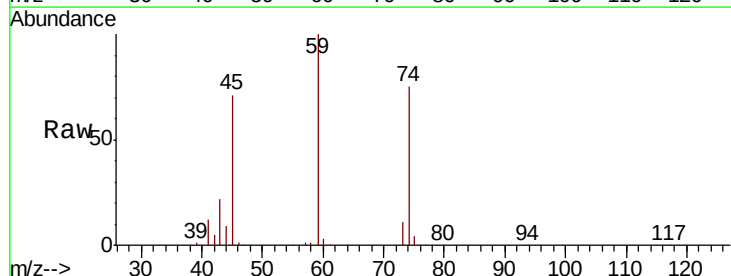
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 8/2/2018 9:45:30 AM

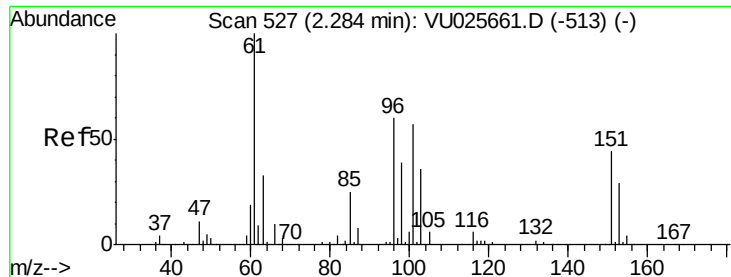


#8

Diethyl Ether
 Concen: 46.721 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.3	144.9





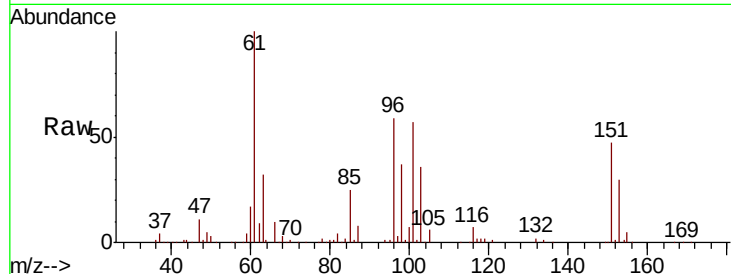
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.191 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	104122		
85	43.4	36.0	54.0	
151	82.6	65.6	98.4	

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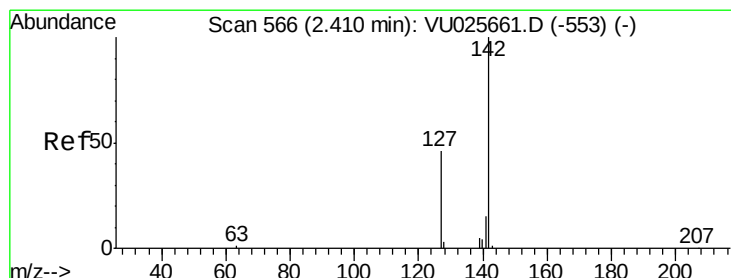
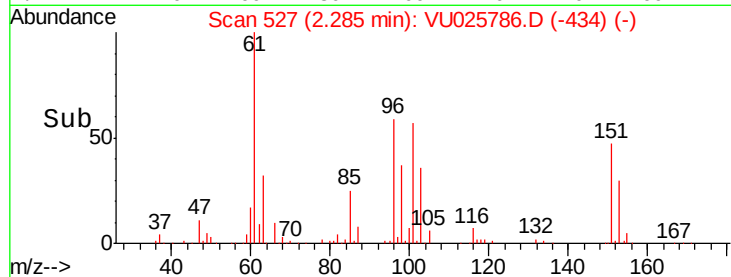
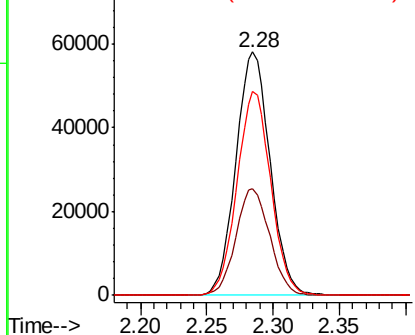


Abundance

Ion 100.90 (100.60 to 101.60): V

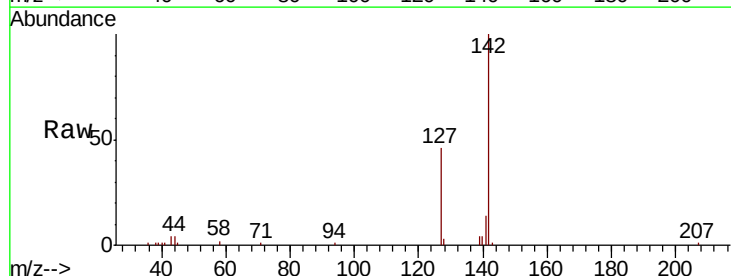
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 25.021 ug/l
RT: 2.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	39972		
127	45.7	36.5	54.7	
141	13.8	11.4	17.2	

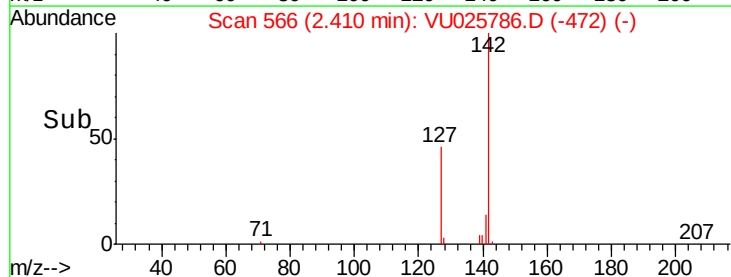
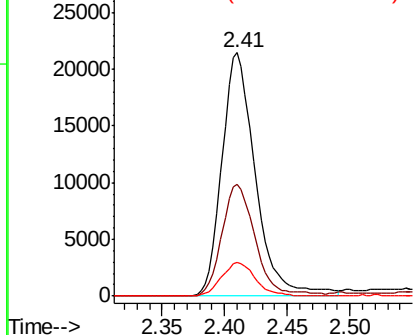


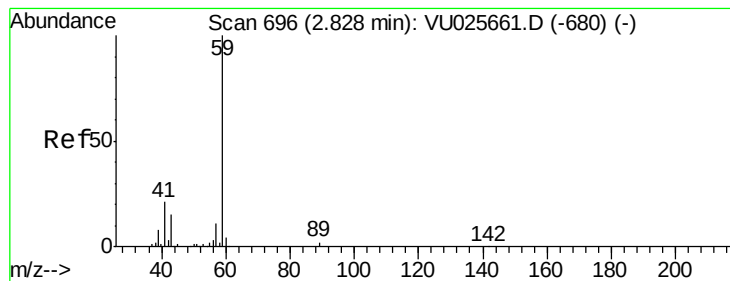
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

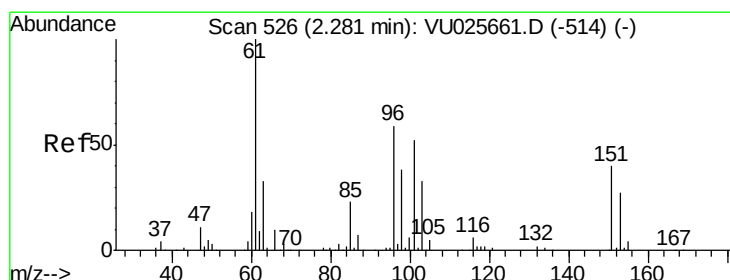
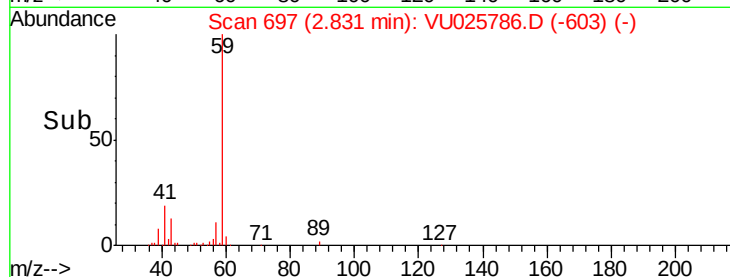
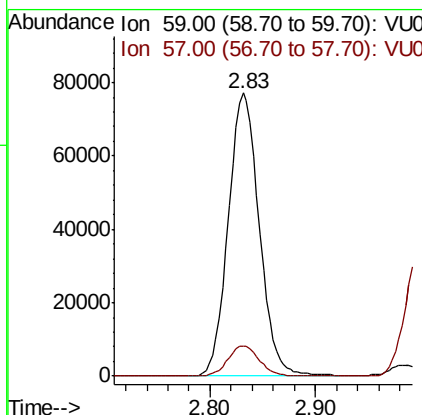
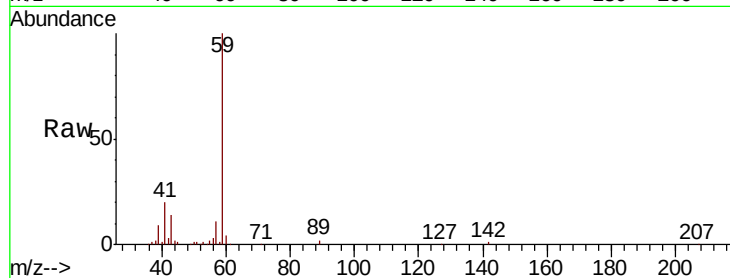
Tert butyl alcohol
 Concen: 242.185 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	156924
Ion Ratio	100	Lower	Upper
57	10.8	8.2	12.2

Manual Integrations
 APPROVED

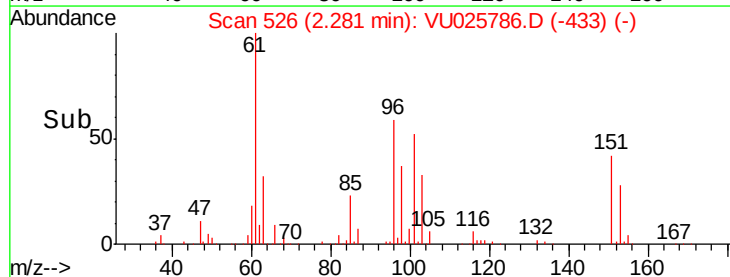
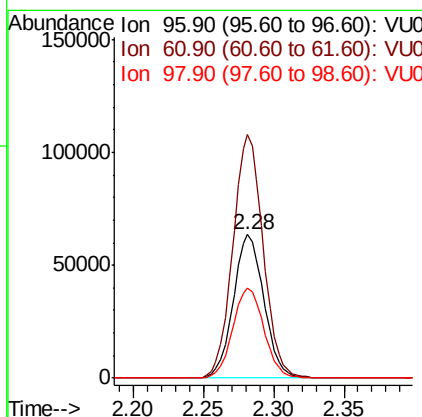
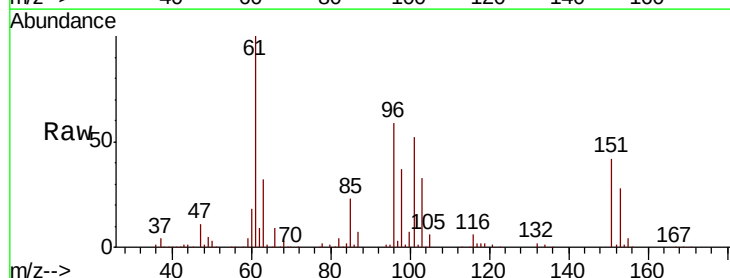
MMDadoda
 8/2/2018 9:45:30 AM

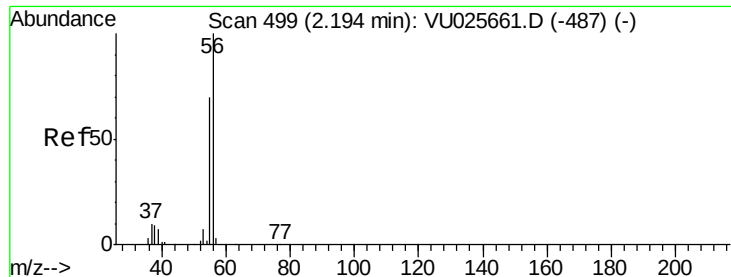


#12

1,1-Dichloroethene
 Concen: 47.591 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion	96	Resp	97060
Ion Ratio	100	Lower	Upper
61	169.8	140.2	210.4
98	62.6	49.3	73.9





#13

Acrolein

Concen: 205.221 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 48242

Ion Ratio Lower Upper

56 100

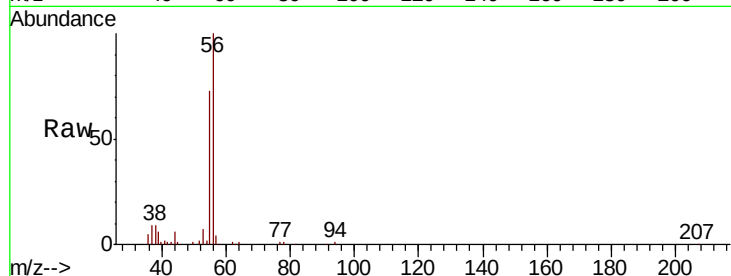
55 70.2 57.2 85.8

Manual Integrations

APPROVED

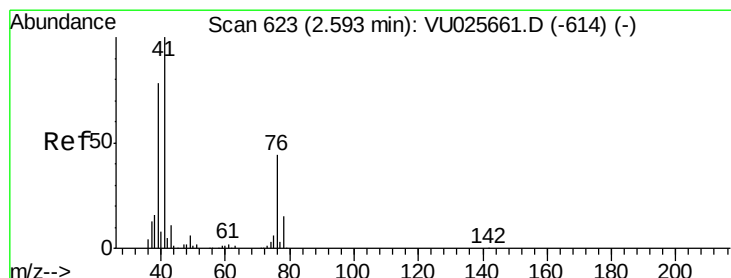
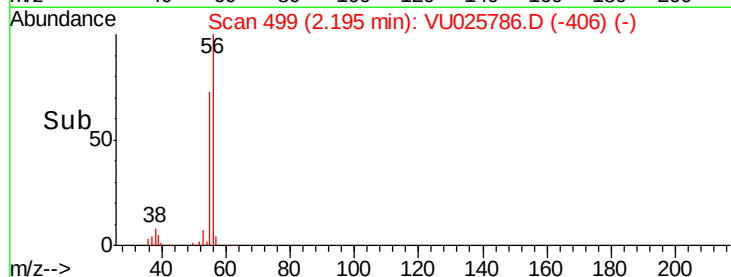
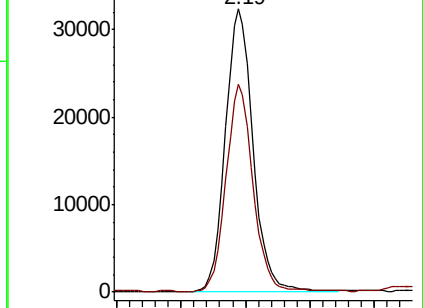
MMDadoda

8/2/2018 9:45:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VU025786.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025786.D (-487) (-)



#14

Allyl chloride

Concen: 45.018 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

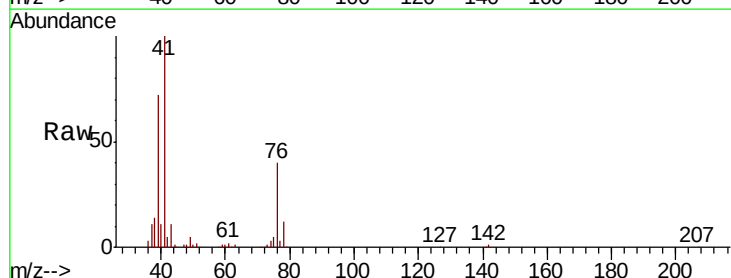
Tgt Ion: 41 Resp: 164992

Ion Ratio Lower Upper

41 100

39 73.1 60.6 91.0

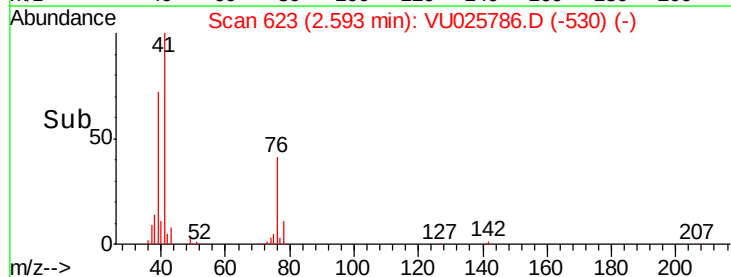
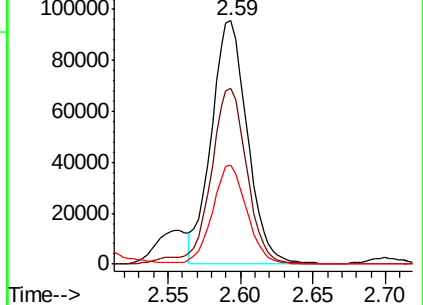
76 39.0 30.5 45.7

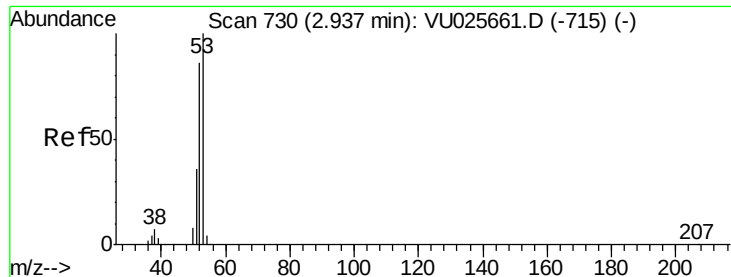


Abundance Ion 41.00 (40.70 to 41.70): VU025786.D (-530) (-)

Ion 39.00 (38.70 to 39.70): VU025786.D (-530) (-)

Ion 75.90 (75.60 to 76.60): VU025786.D (-530) (-)





#15

Acrylonitrile

Concen: 253.213 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

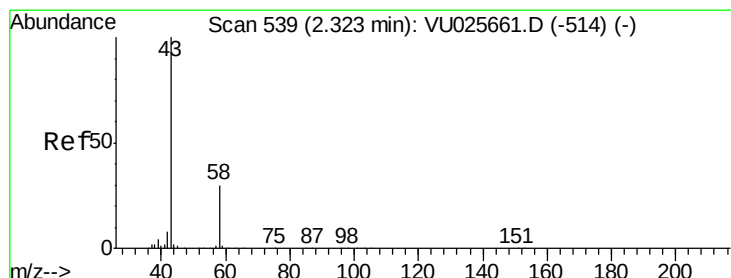
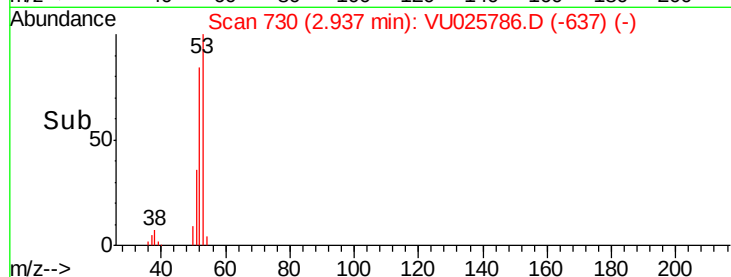
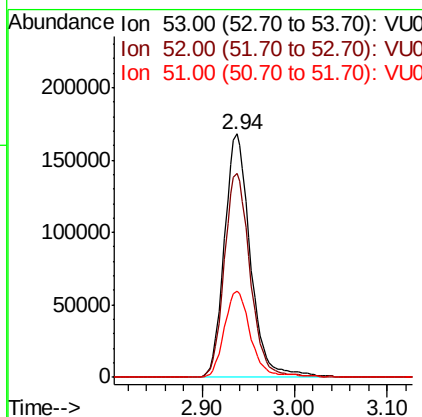
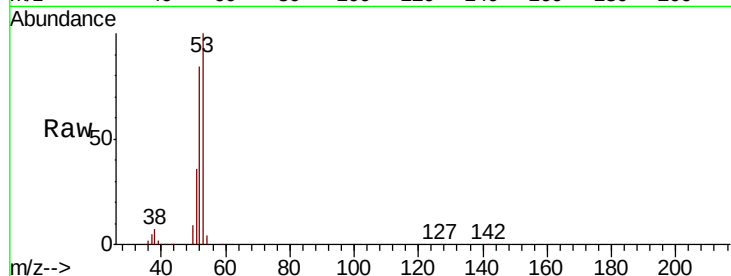
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	327579
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	99.8
51	36.5	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 212.145 ug/l

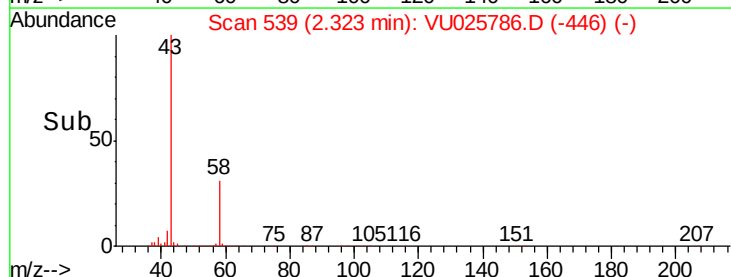
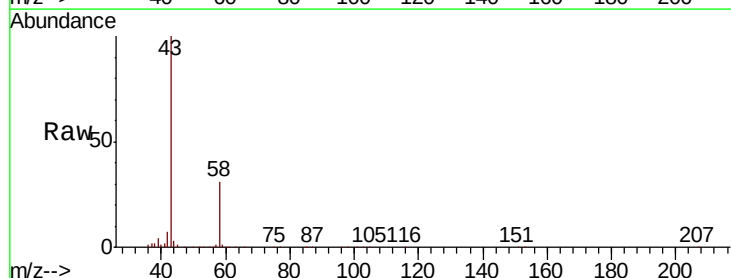
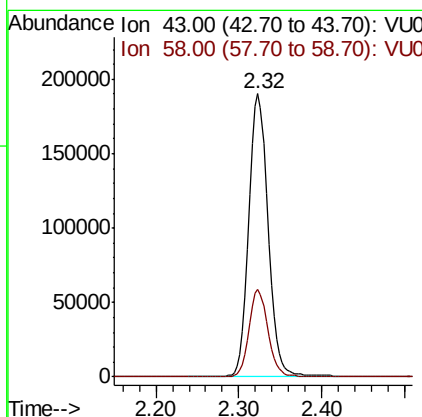
RT: 2.32 min Scan# 539

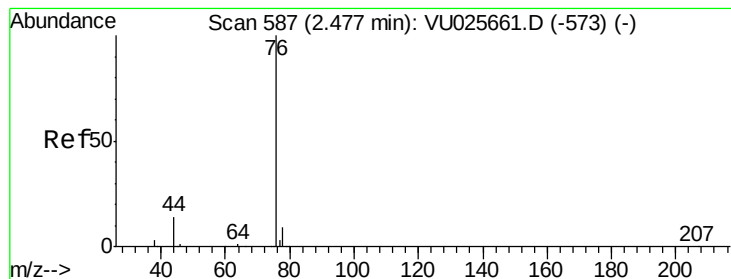
Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion:	43	Resp:	306101
Ion	Ratio	Lower	Upper
43	100		
58	31.1	23.1	34.7





#17

Carbon Disulfide

Concen: 44.504 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 293743

Ion Ratio Lower Upper

76 100

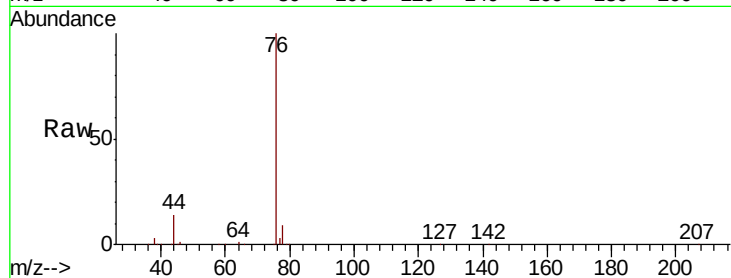
78 9.4 7.4 11.2

Manual Integrations

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

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

2.47

200000

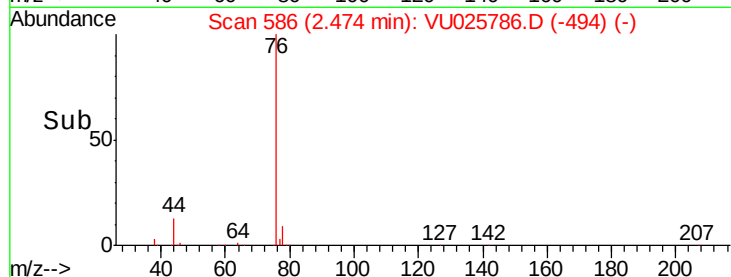
150000

100000

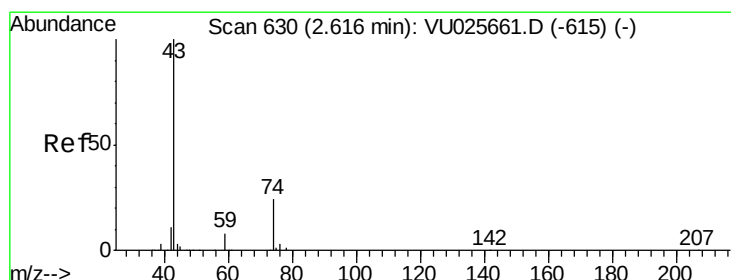
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 62.035 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025786.D

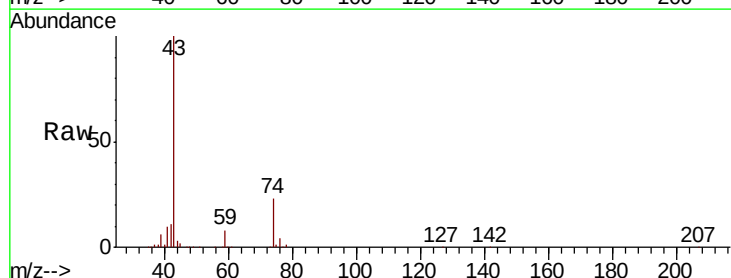
Acq: 01 Aug 2018 19:03

Tgt Ion: 43 Resp: 215437

Ion Ratio Lower Upper

43 100

74 24.3 18.5 27.7



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

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

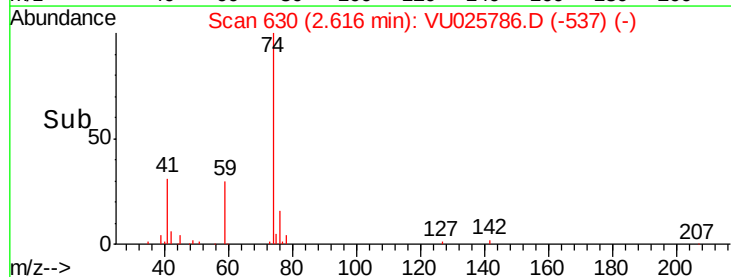
150000

100000

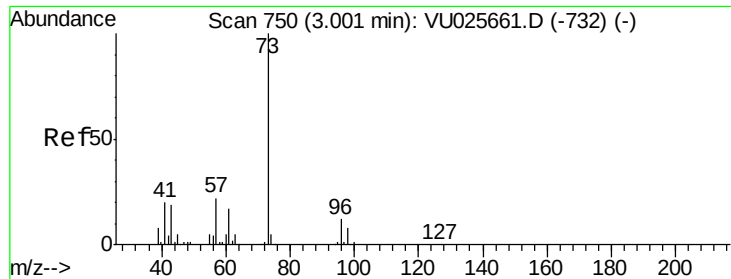
50000

0

Time-->



Time-->



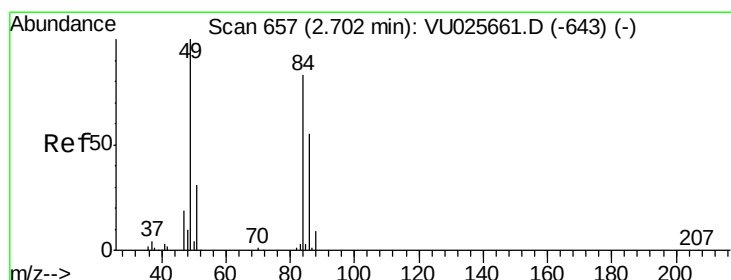
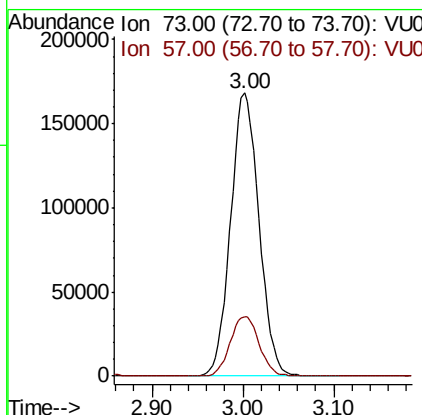
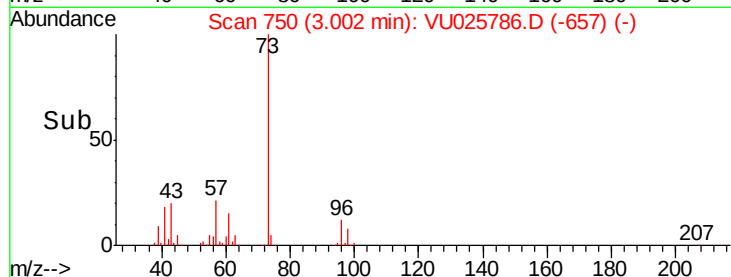
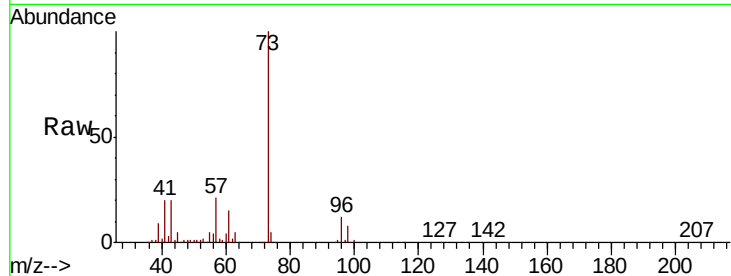
#19
Methyl tert-butyl Ether
Concen: 49.291 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.2

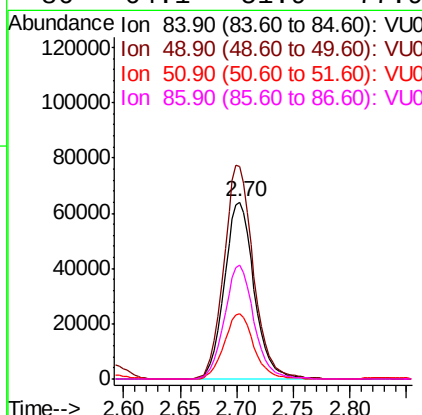
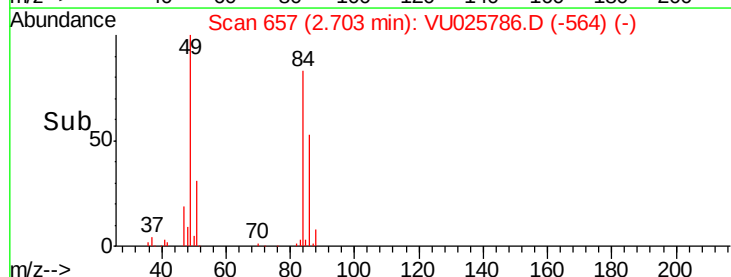
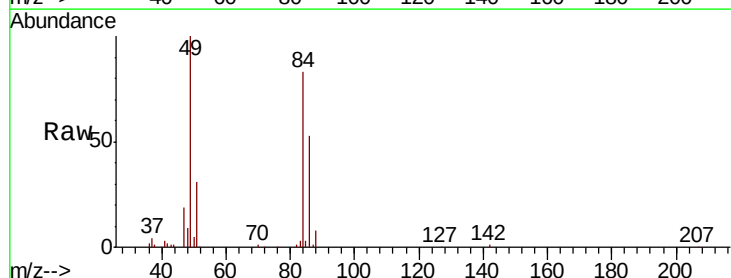
Manual Integrations
APPROVED

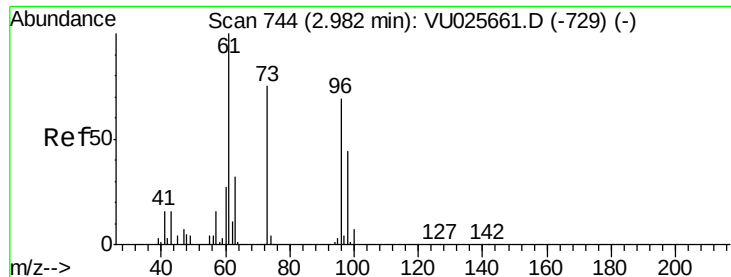
MMDadoda
8/2/2018 9:45:30 AM



#20
Methylene Chloride
Concen: 45.881 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	101.8	152.6
51	36.9	30.8	46.2
86	64.1	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 47.170 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

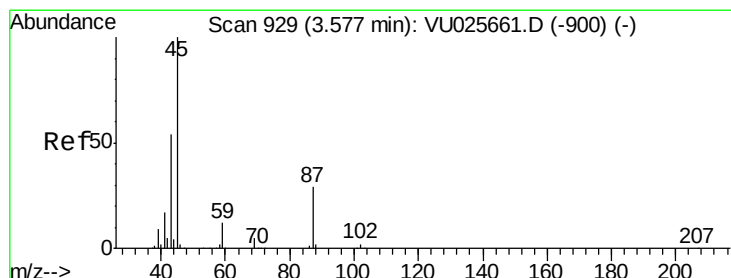
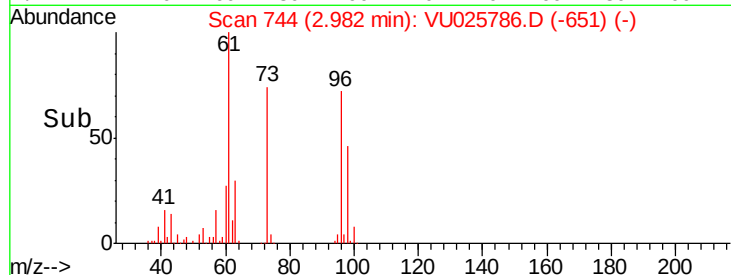
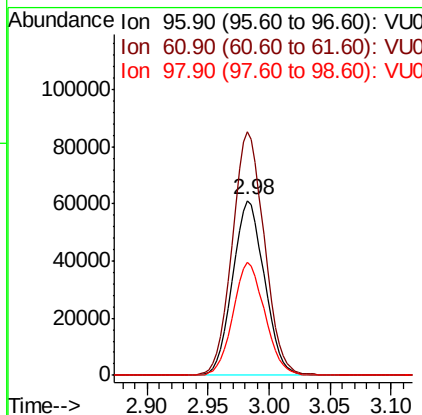
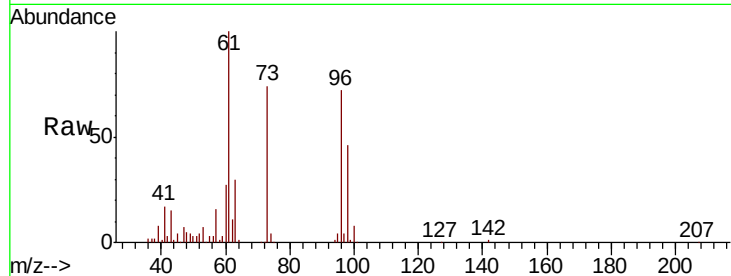
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	111207
Ion	Ratio	Lower	Upper
96	100		
61	139.4	114.5	171.7
98	64.5	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.852 ug/l

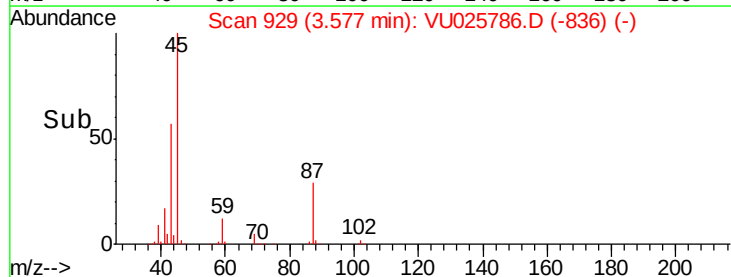
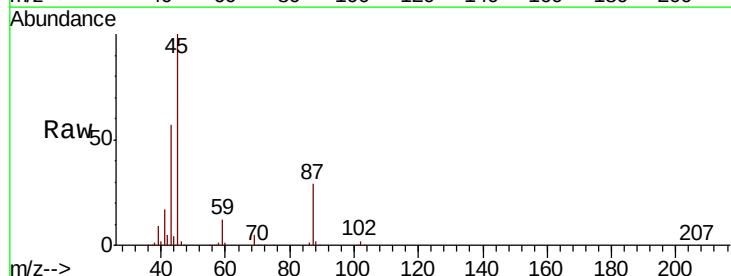
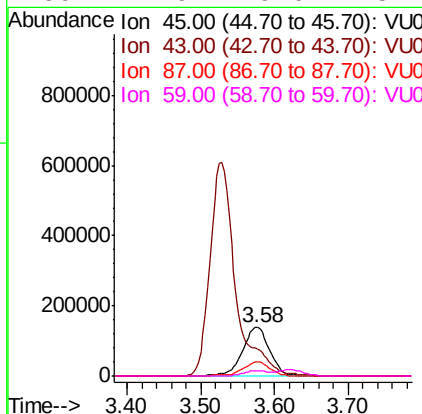
RT: 3.58 min Scan# 929

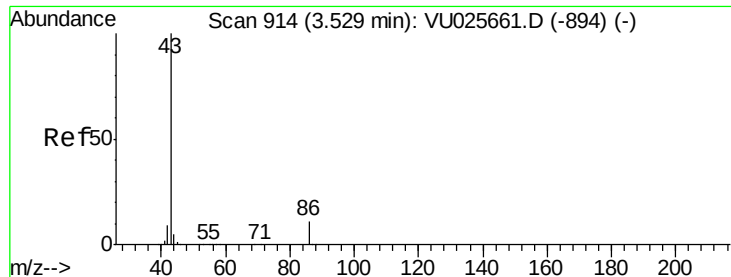
Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion:	45	Resp:	352816
Ion	Ratio	Lower	Upper
45	100		
43	55.8	50.9	76.3
87	28.9	23.8	35.8
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 234.409 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tot Ion: 43 Resp: 1475383

Ion Ratio Lower Upper

43 100

86 10.8 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

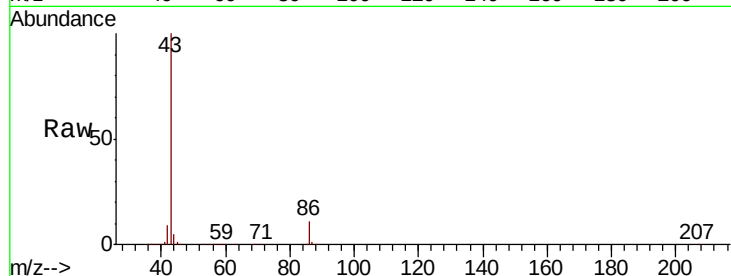
VSTDCCC050EC

Manual Integrations

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8/2/2018 9:45:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

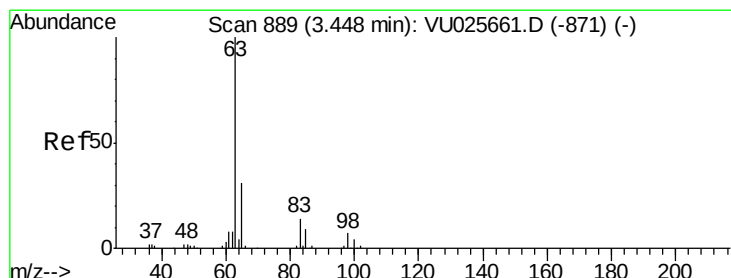
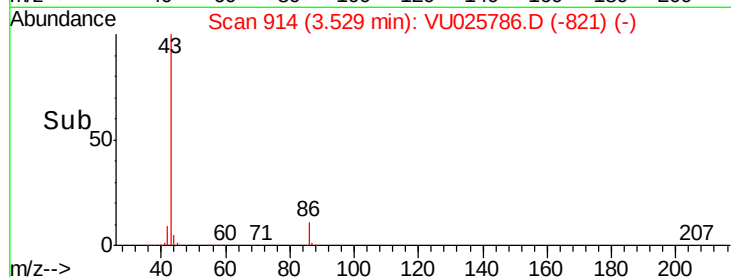
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 47.856 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

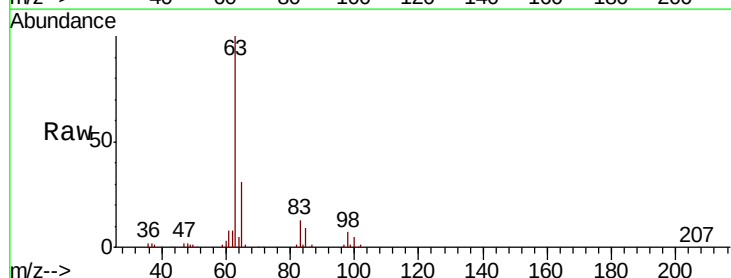
Tgt Ion: 63 Resp: 207474

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.6 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

120000

100000

80000

60000

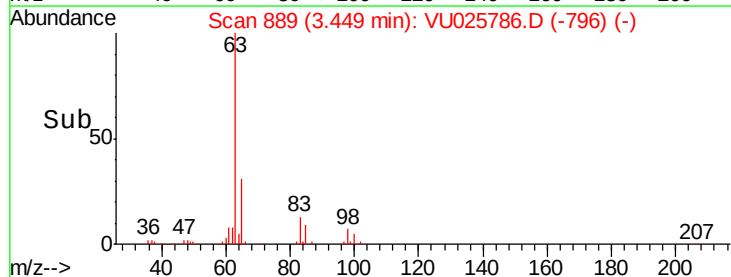
40000

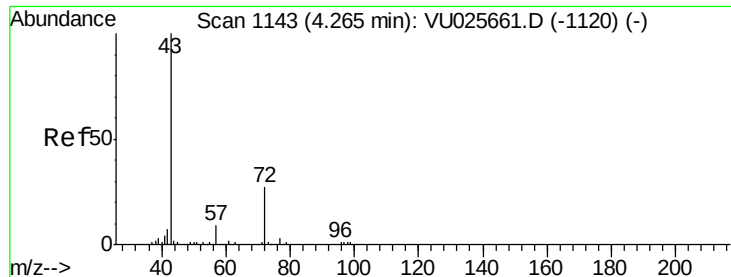
20000

0

3.35 3.40 3.45 3.50 3.55

Time-->





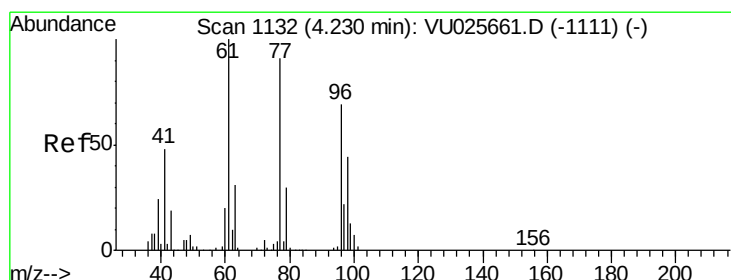
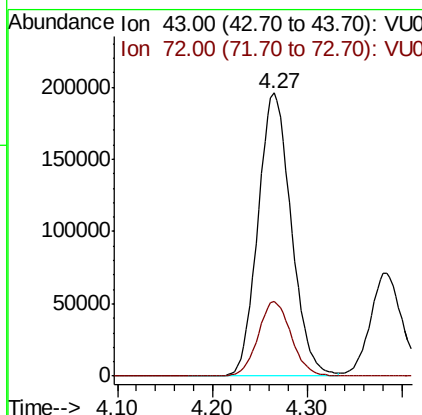
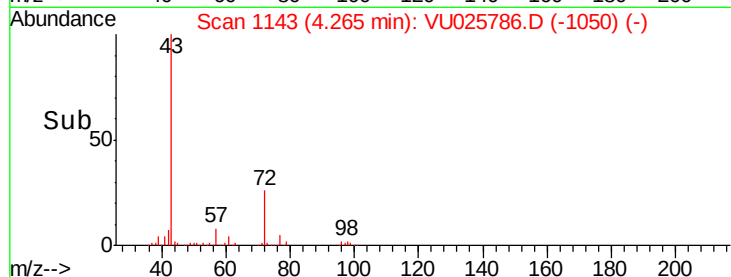
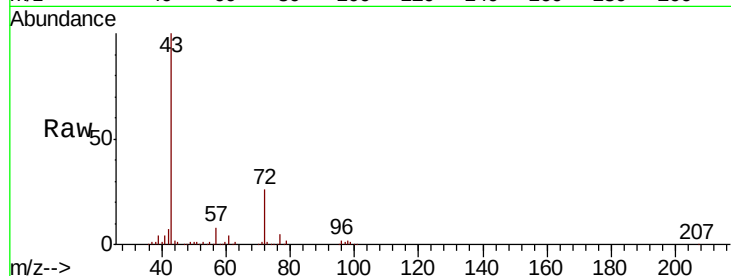
#25
2-Butanone
Concen: 242.780 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 476861
Ion Ratio Lower Upper
43 100
72 26.3 21.0 31.4

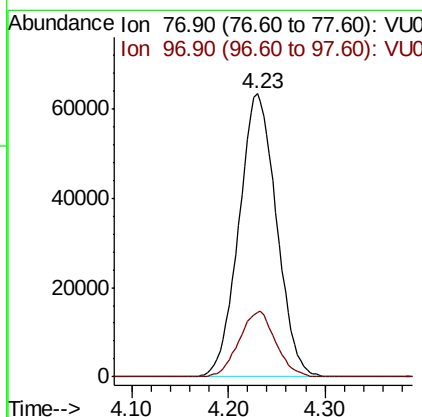
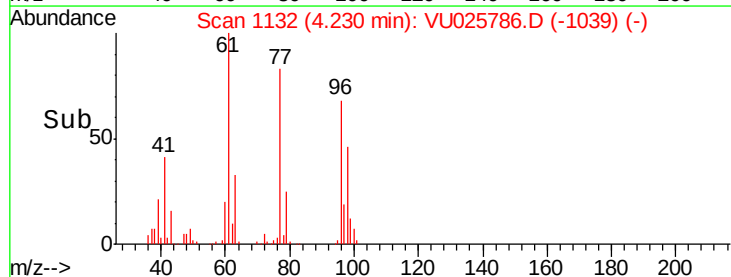
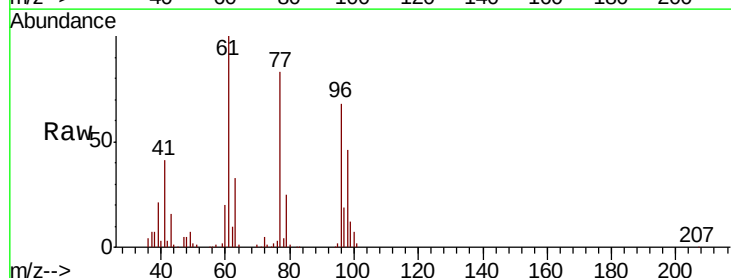
Manual Integrations
APPROVED

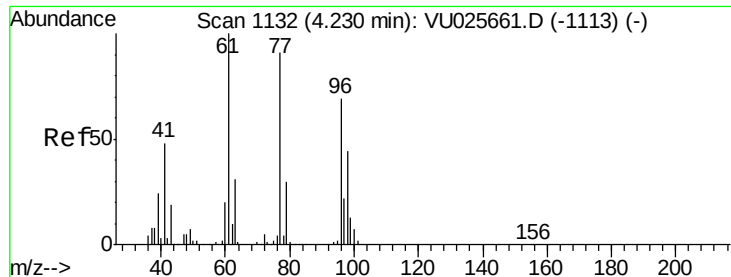
MMDadoda
8/2/2018 9:45:30 AM



#26
2,2-Dichloropropane
Concen: 43.400 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion: 77 Resp: 171021
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 47.496 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

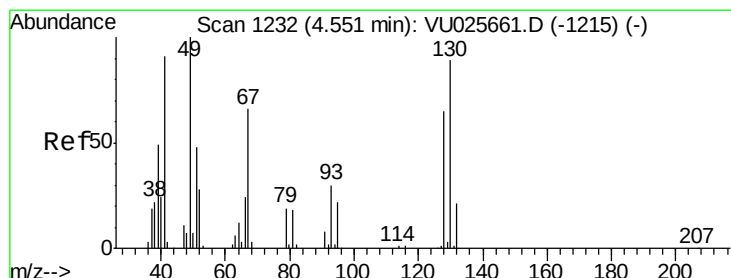
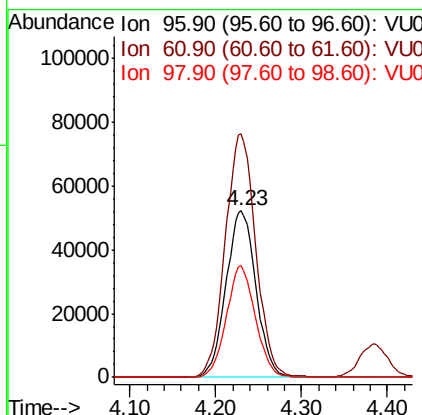
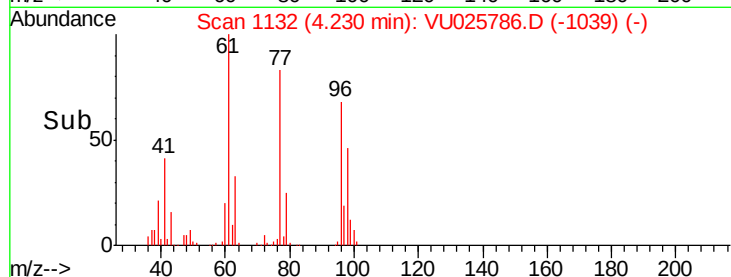
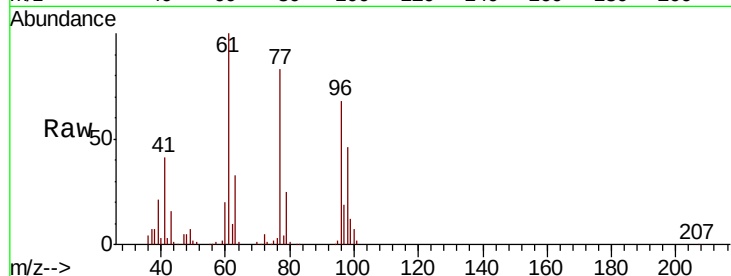
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	126245
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	299.8
98	64.7	0.0	128.6

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#28

Bromochloromethane

Concen: 45.658 ug/l

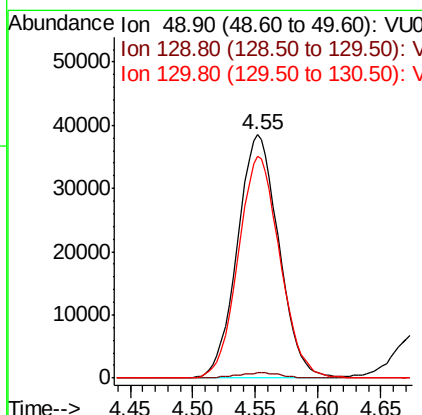
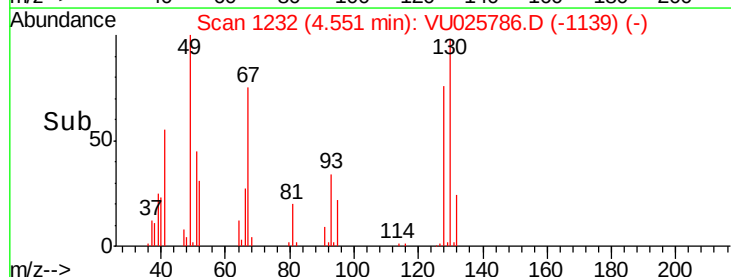
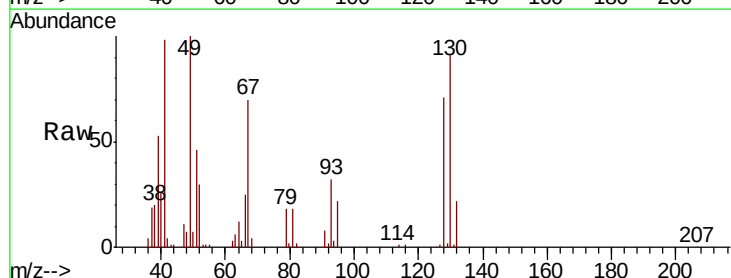
RT: 4.55 min Scan# 1232

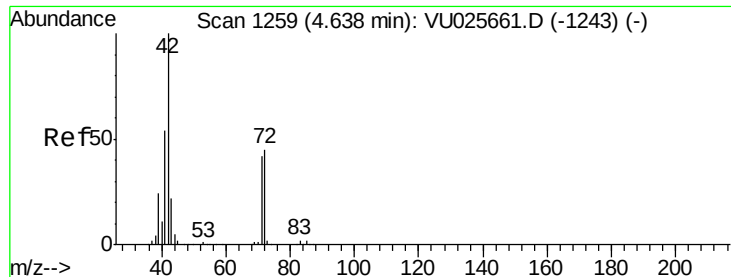
Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion:	49	Resp:	88504
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	91.7	68.6	102.8





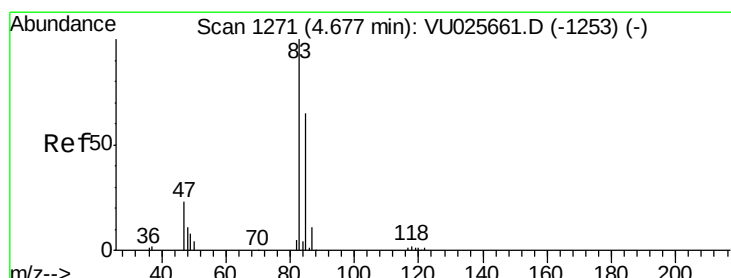
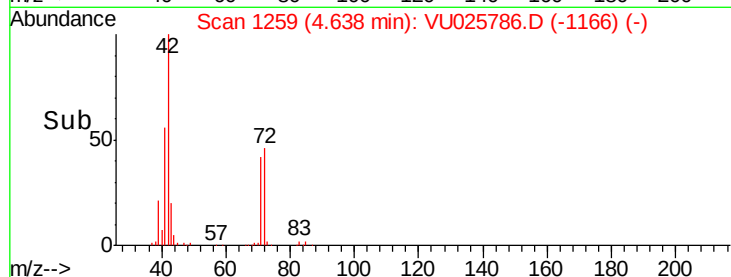
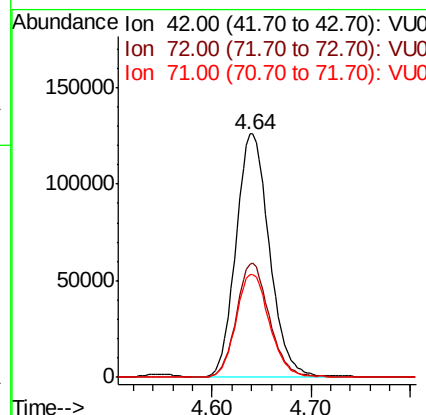
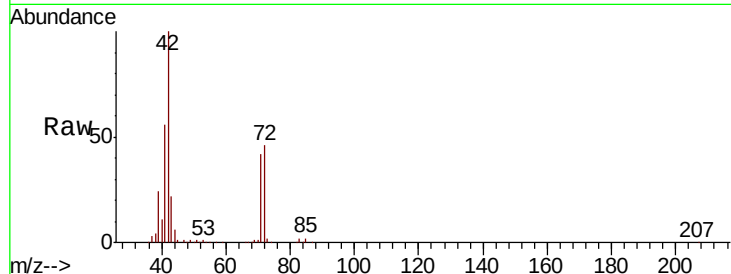
#29
Tetrahydrofuran
Concen: 251.835 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.7	55.1
71	42.5	33.9	50.9

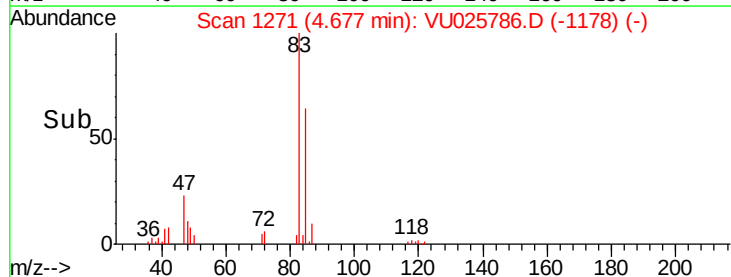
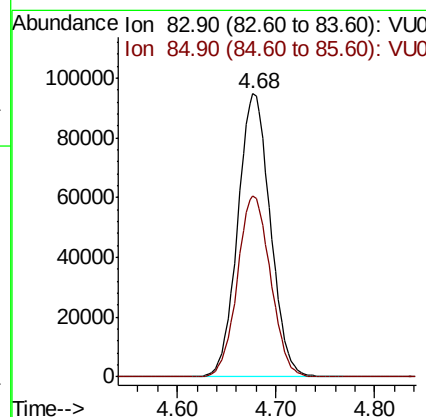
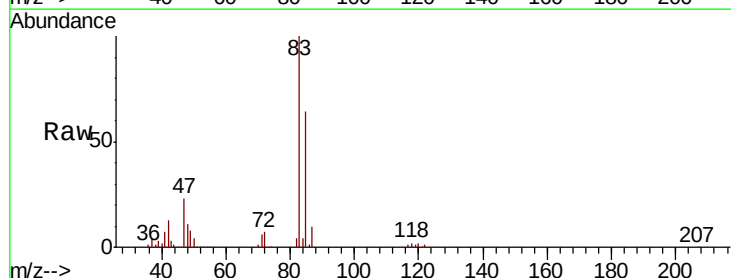
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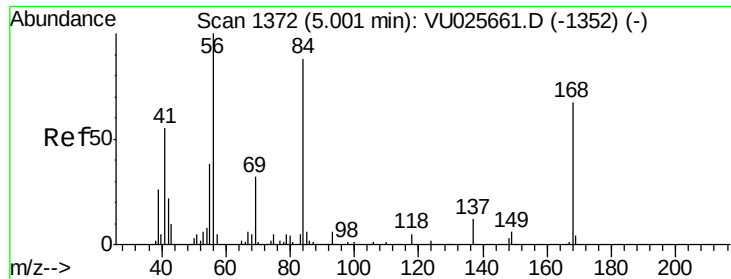
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#30
Chloroform
Concen: 47.463 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3





#31

Cyclohexane

Concen: 46.624 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

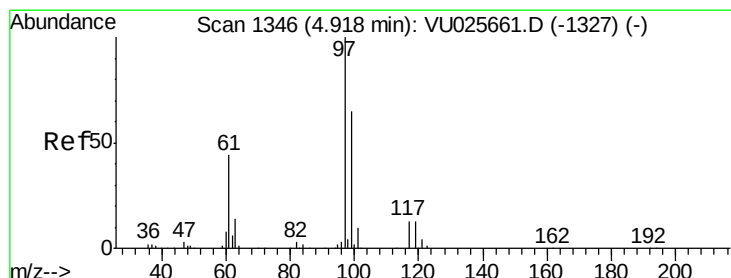
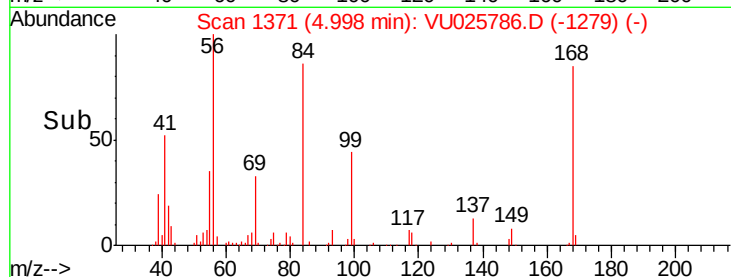
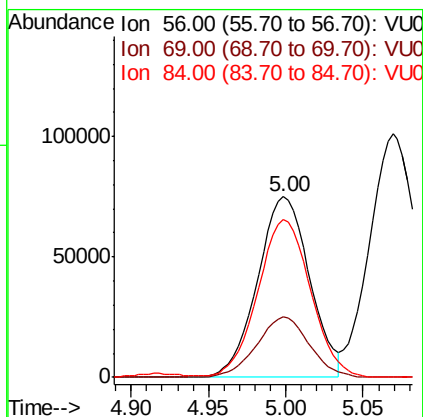
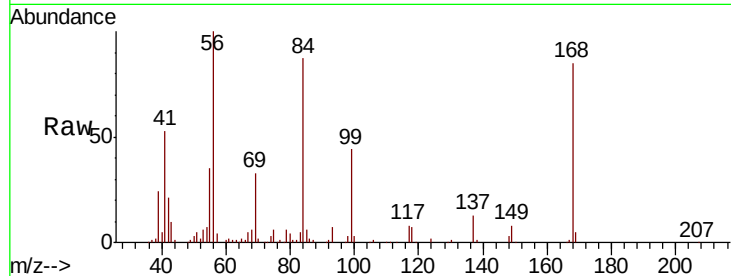
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	176175
Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.8	40.2
84	86.4	69.7	104.5

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#32

1,1,1-Trichloroethane

Concen: 47.832 ug/l

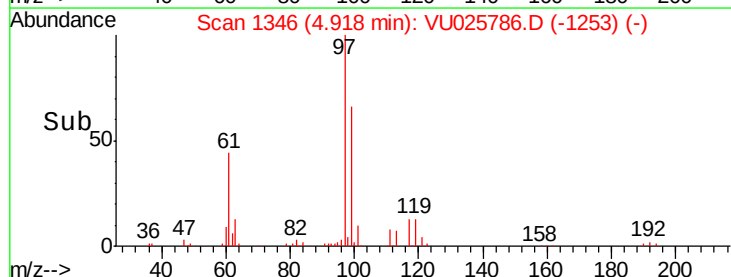
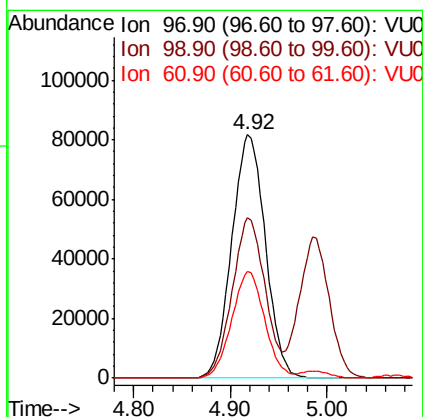
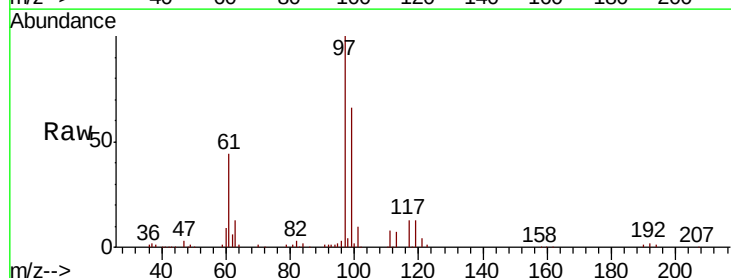
RT: 4.92 min Scan# 1346

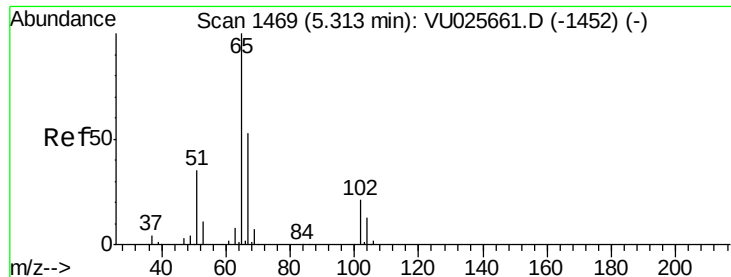
Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion:	97	Resp:	197073
Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	43.0	35.2	52.8





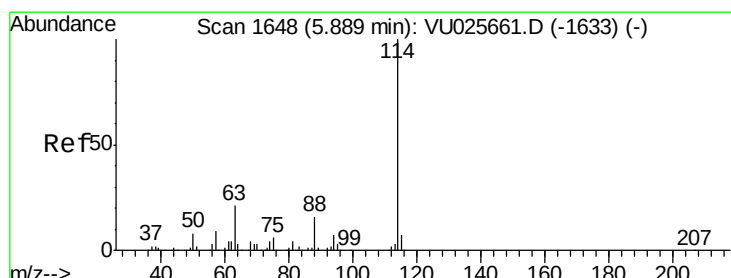
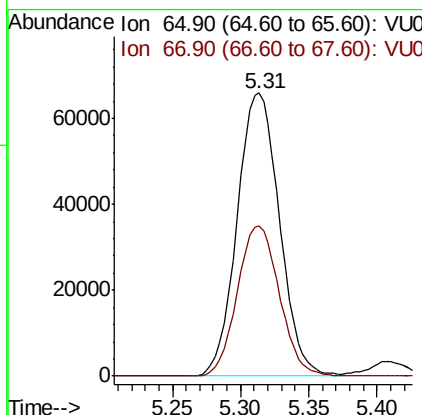
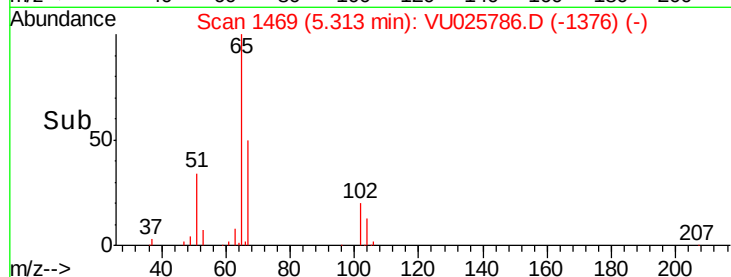
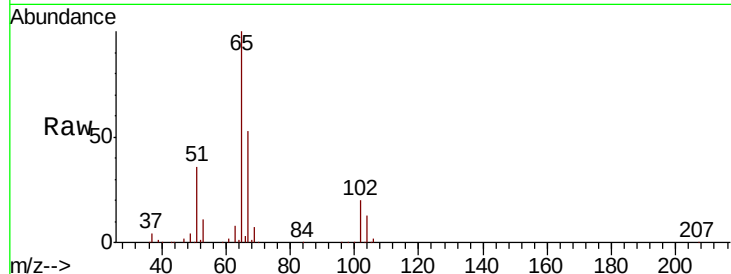
#33
 1,2-Dichloroethane-d4
 Concen: 47.961 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141942		
67	52.8	0.0	103.6	

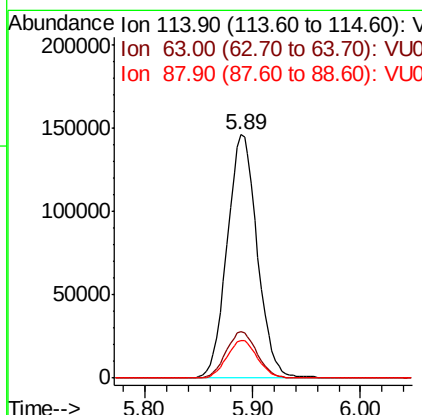
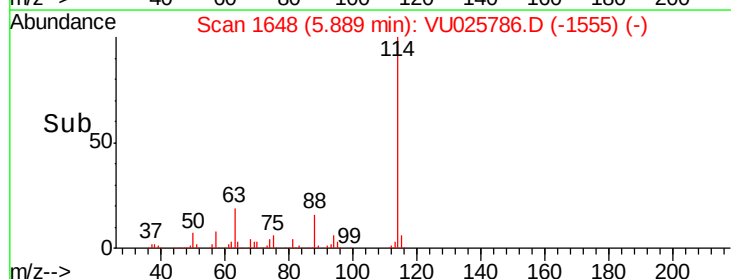
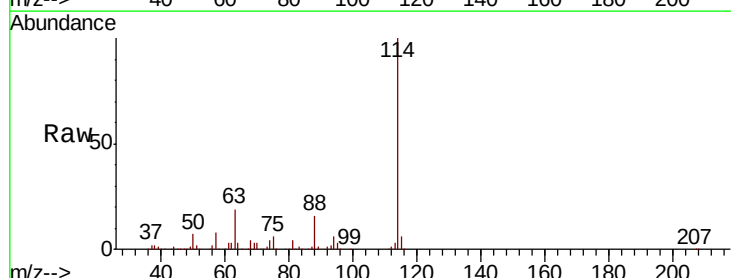
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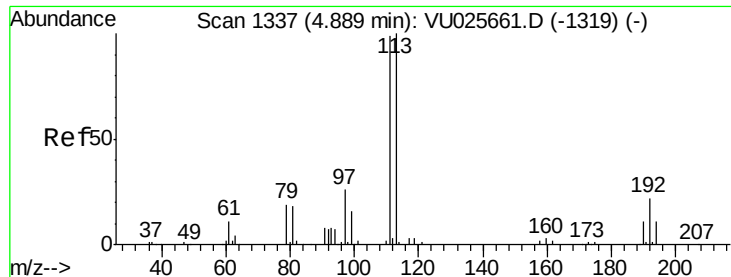
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284461		
63	19.3	0.0	41.6	
88	15.6	0.0	32.4	





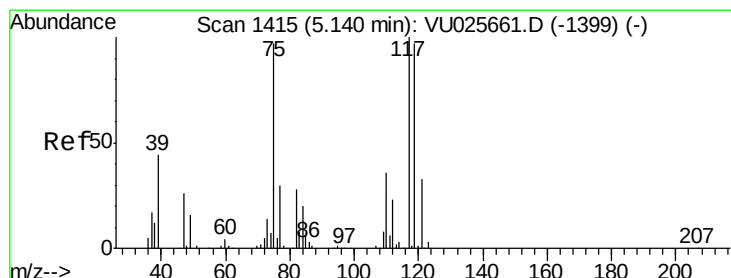
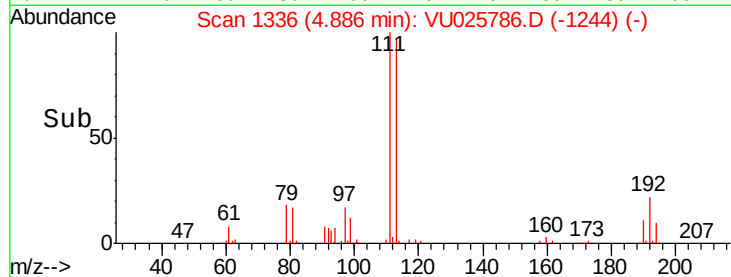
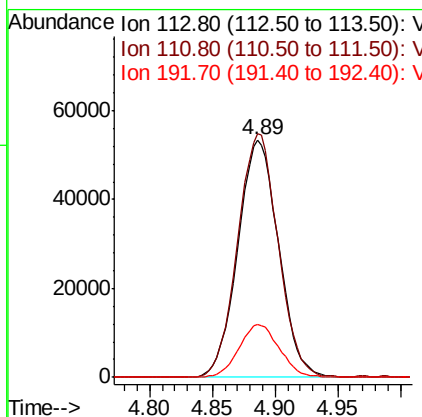
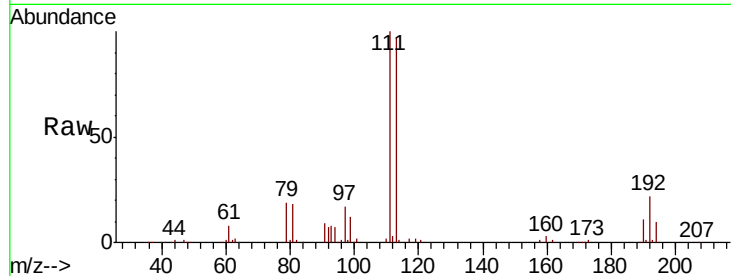
#35
 Dibromofluoromethane
 Concen: 48.763 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.7	122.5
192	22.0	17.1	25.7

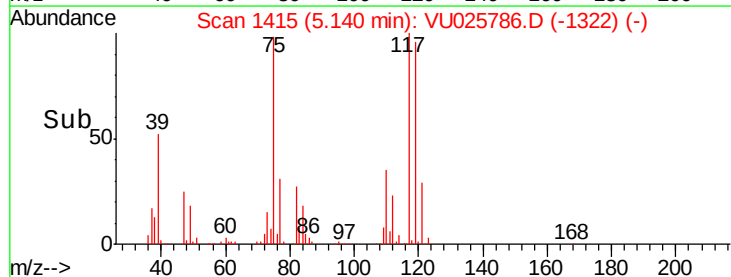
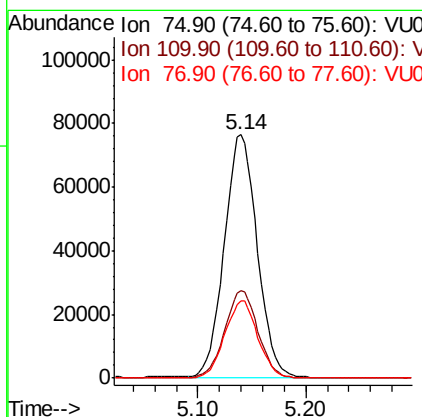
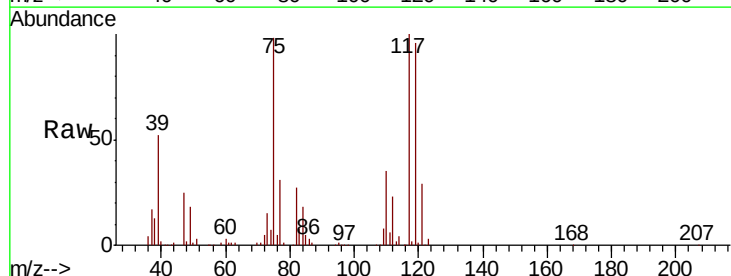
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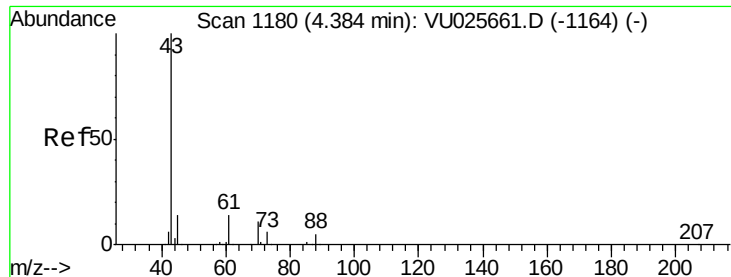
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#36
 1,1-Dichloropropene
 Concen: 48.836 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.6	52.9
77	32.0	24.4	36.6





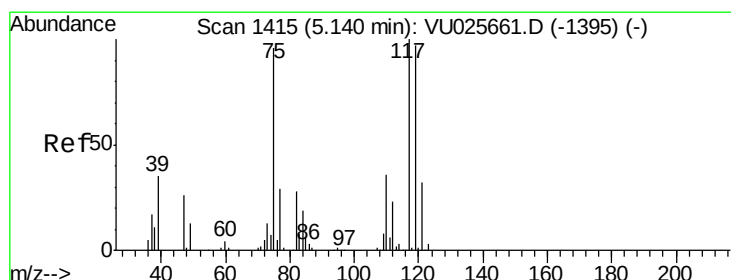
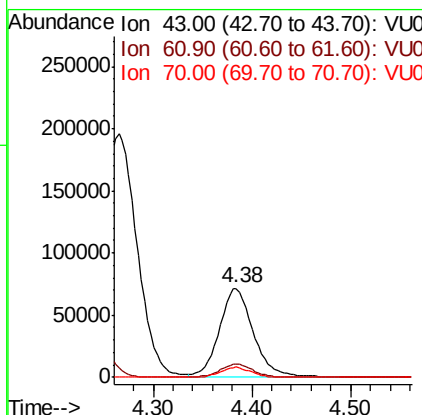
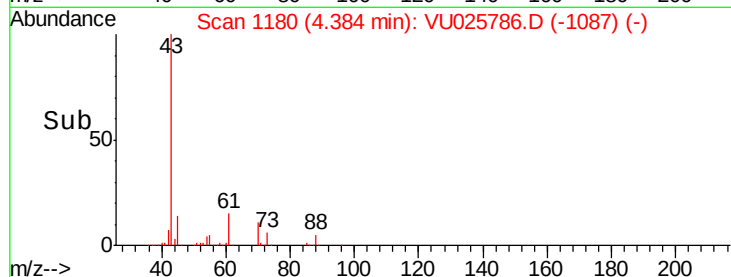
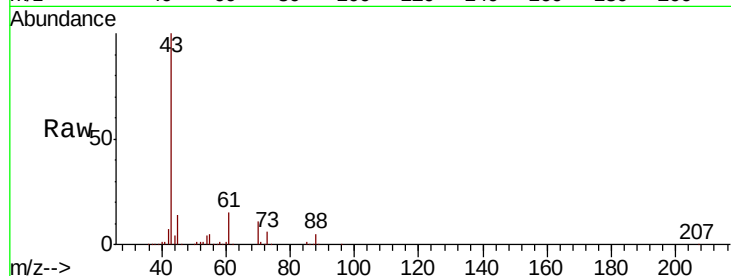
#37
Ethyl Acetate
Concen: 49.130 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	10.6	8.4	12.6

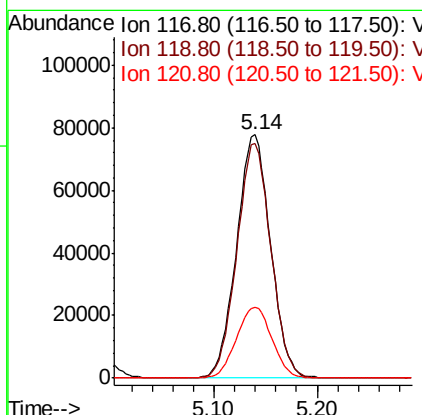
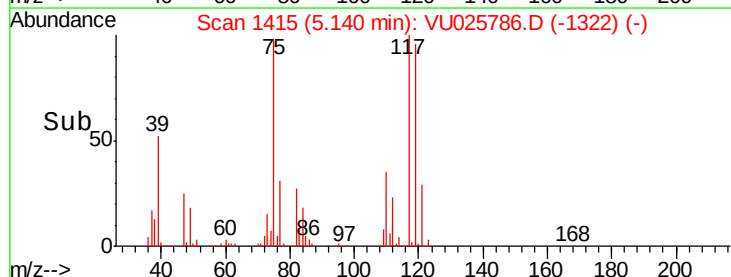
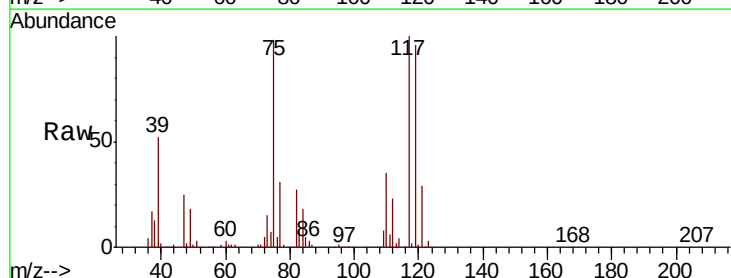
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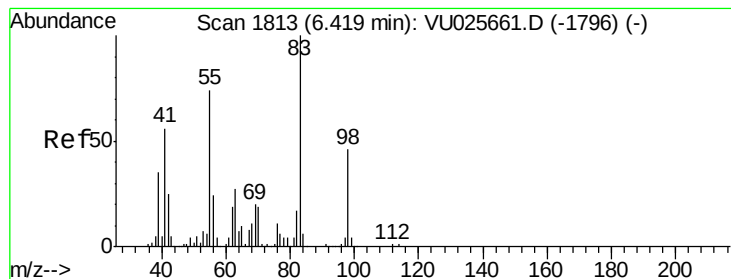
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#38
Carbon Tetrachloride
Concen: 47.401 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.7	113.5
121	28.9	24.6	36.8





#39

Methylvlcyclohexane

Concen: 44.856 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

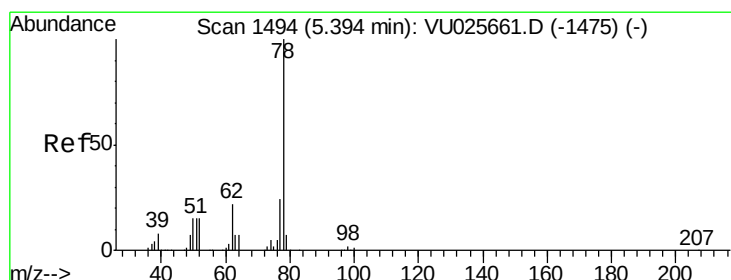
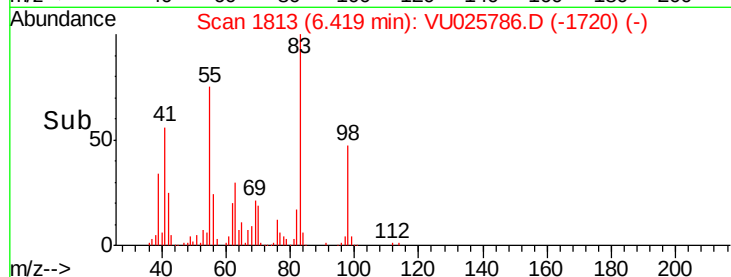
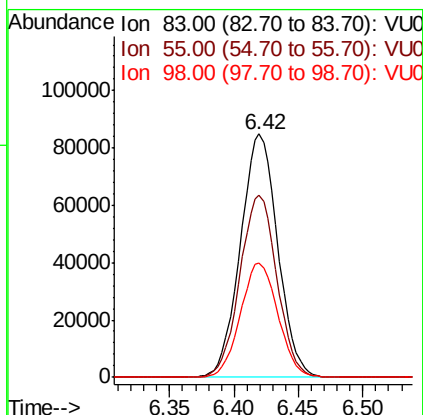
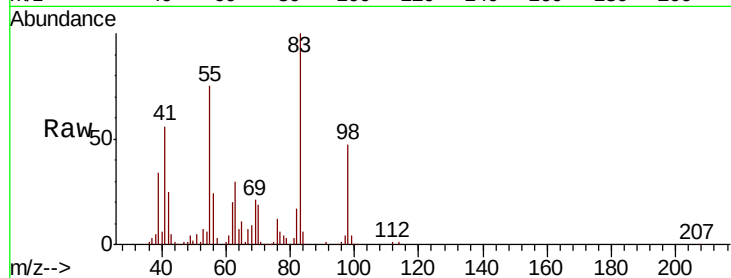
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	170858
Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.0	90.0
98	47.0	36.1	54.1

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#40

Benzene

Concen: 46.864 ug/l

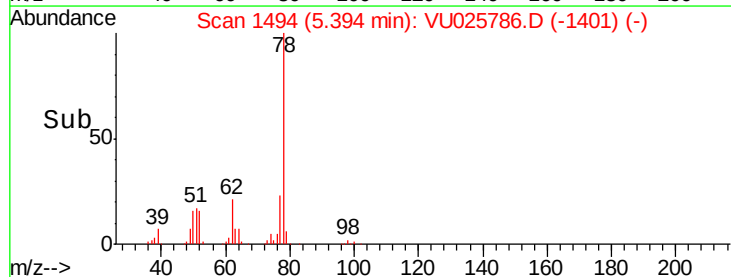
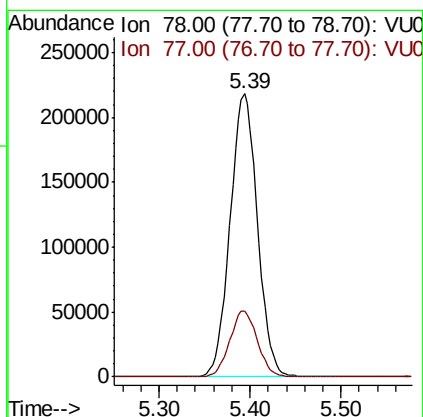
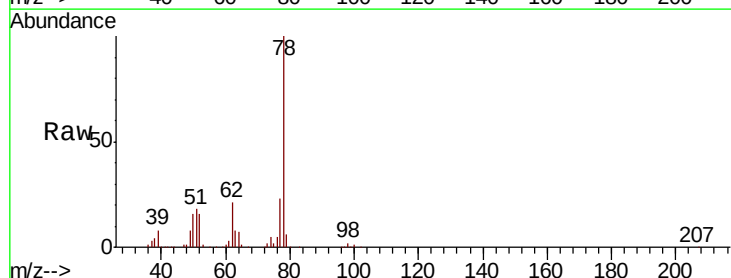
RT: 5.39 min Scan# 1494

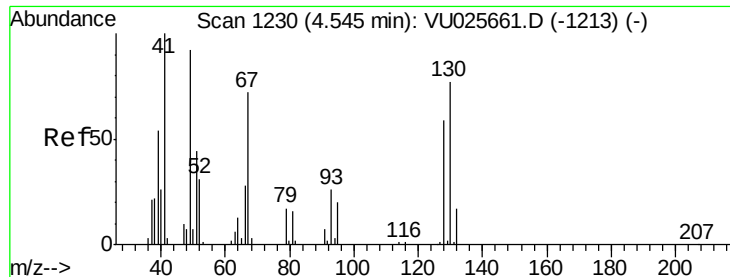
Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion:	78	Resp:	455398
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.8	29.6





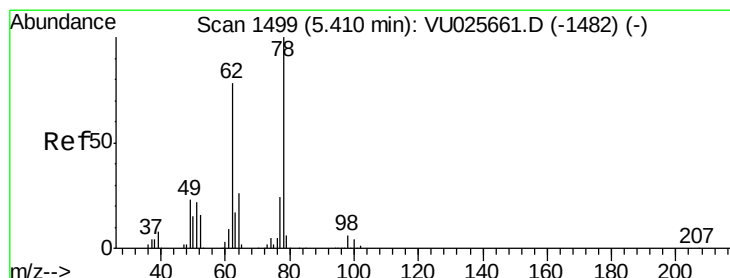
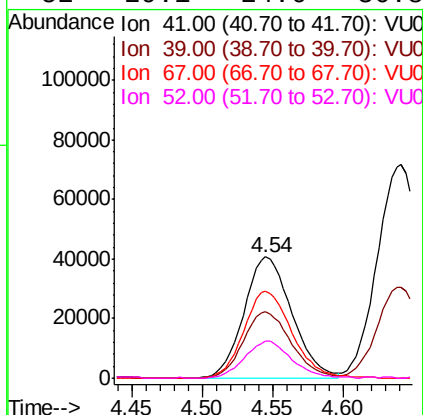
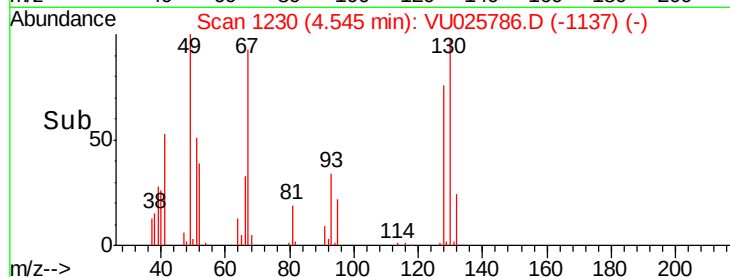
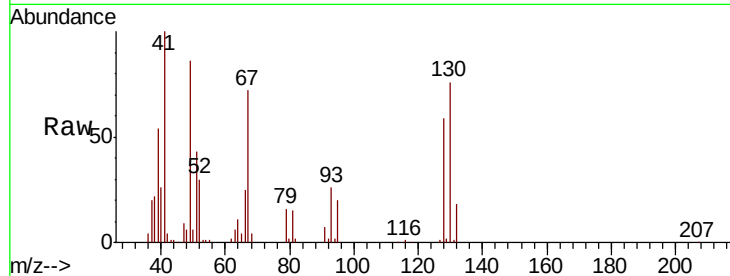
#41
Methacrylonitrile
Concen: 50.545 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	44.4	66.6	
67	72.2	56.0	84.0	
52	29.1	24.6	36.8	

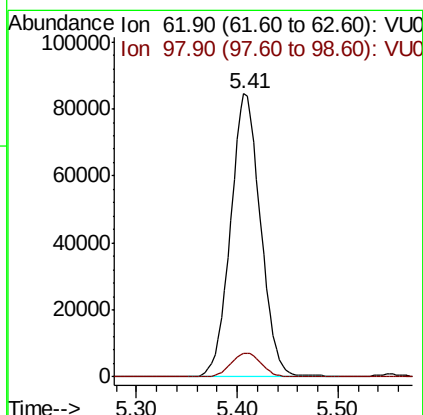
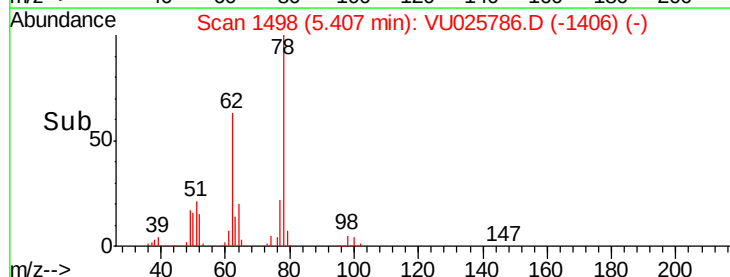
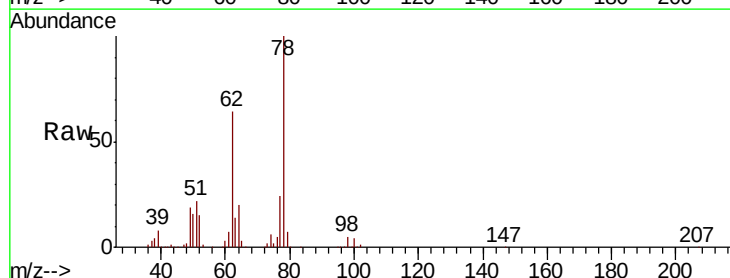
Manual Integrations
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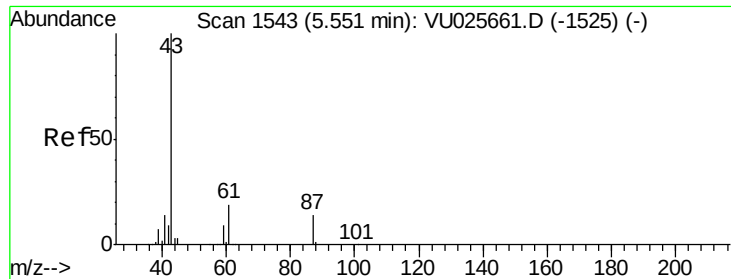
MMDadoda
8/2/2018 9:45:30 AM



#42
1,2-Dichloroethane
Concen: 46.715 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.4	





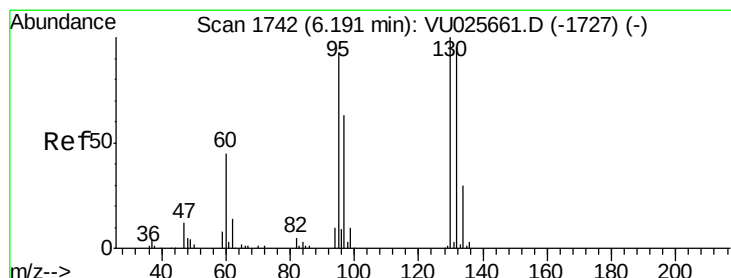
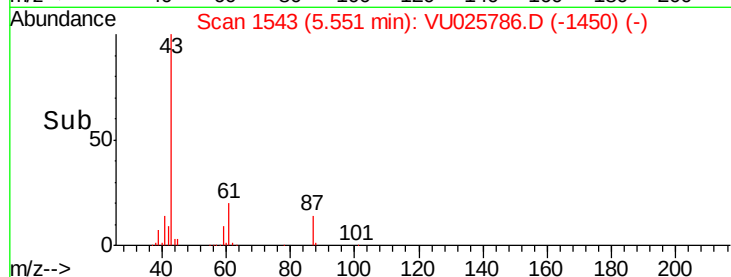
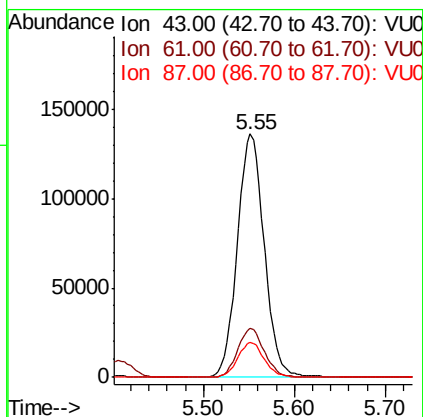
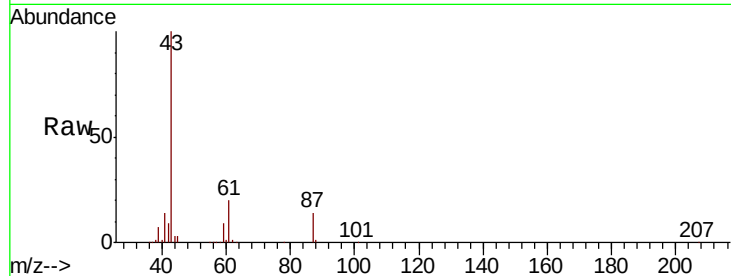
#43
Isopropyl Acetate
Concen: 48.864 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.5	23.3
87	14.2	10.6	16.0

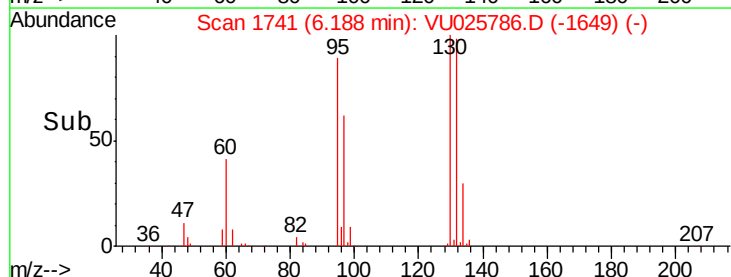
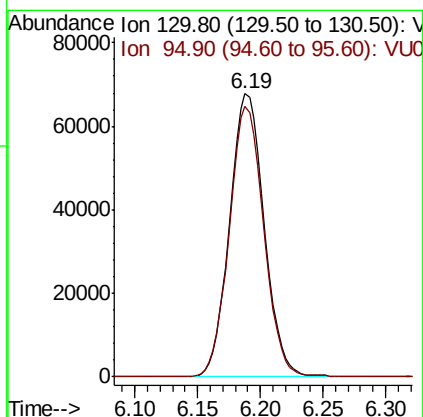
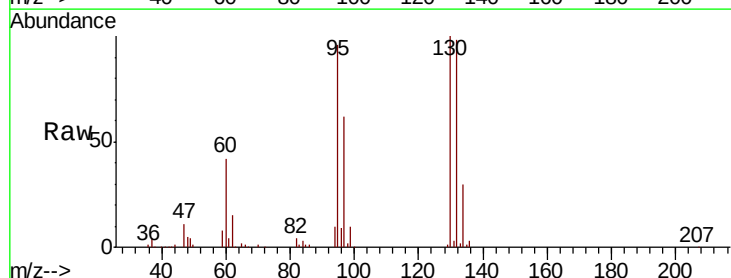
Manual Integrations
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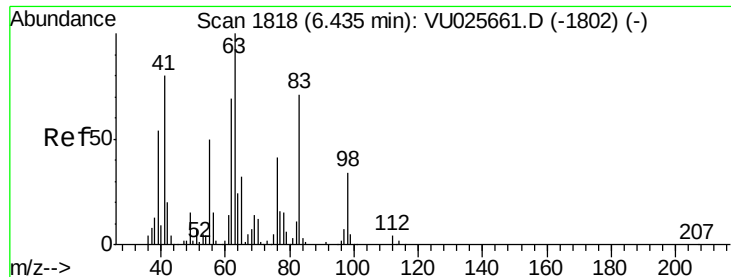
MMDadoda
8/2/2018 9:45:30 AM



#44
Trichloroethene
Concen: 47.939 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	192.2





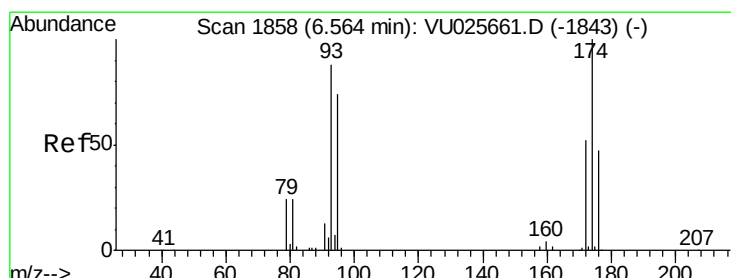
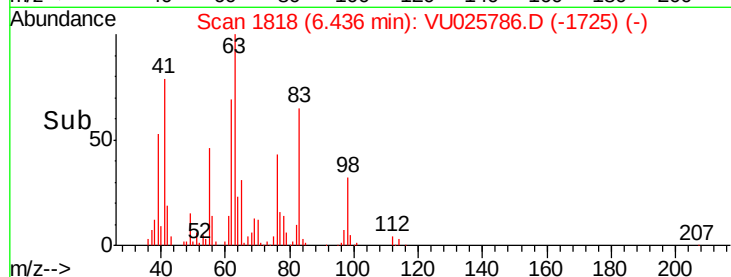
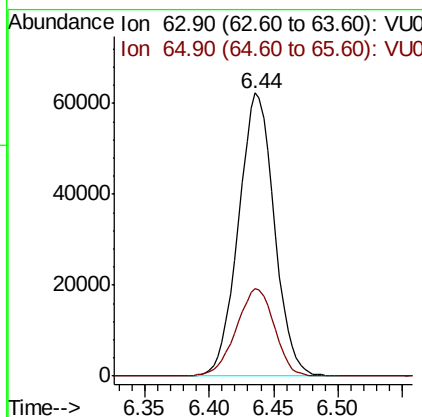
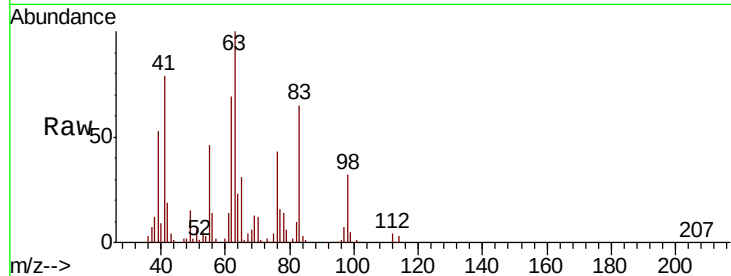
#45
 1,2-Dichloropropane
 Concen: 47.524 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 120440
 Ion Ratio Lower Upper
 63 100
 65 31.1 26.1 39.1

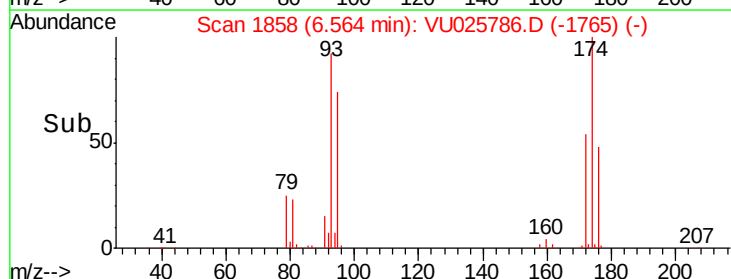
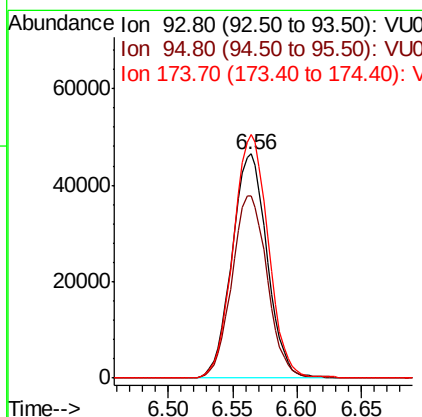
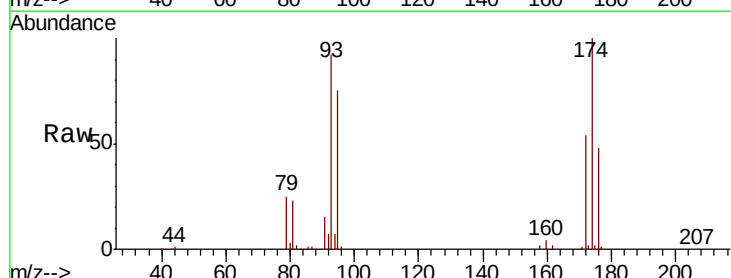
Manual Integrations
 APPROVED

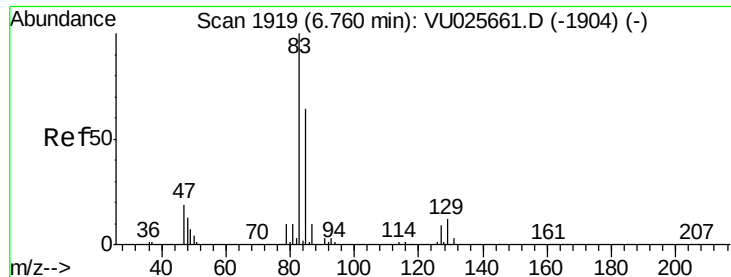
MMDadoda
 8/2/2018 9:45:30 AM



#46
 Dibromomethane
 Concen: 47.962 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion: 93 Resp: 88073
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.6 100.0
 174 108.7 85.8 128.8





#47

Bromodichloromethane

Concen: 48.176 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

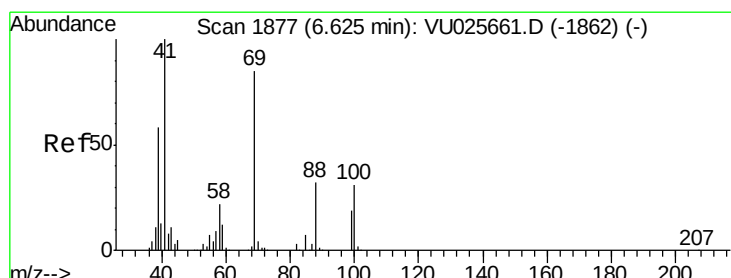
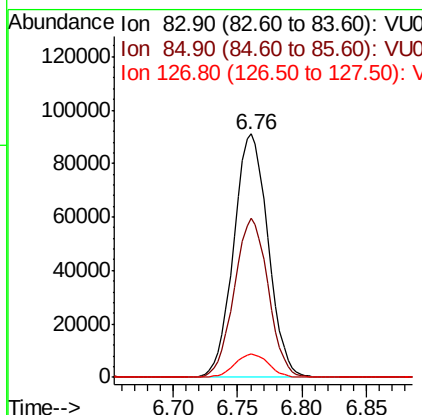
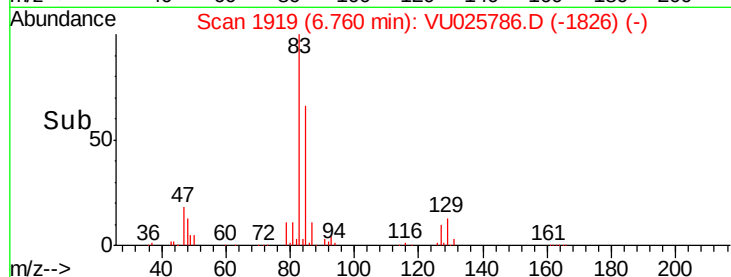
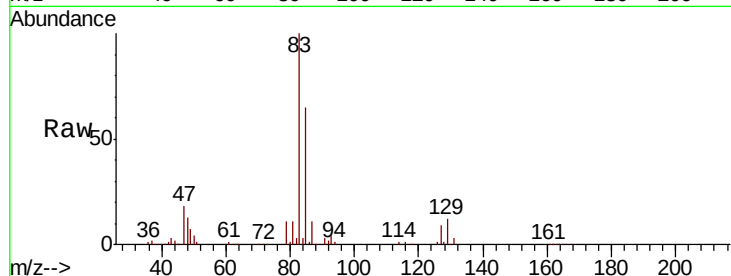
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	168751
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.2	75.4
127	9.4	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:30 AM



#48

Methyl methacrylate

Concen: 51.599 ug/l

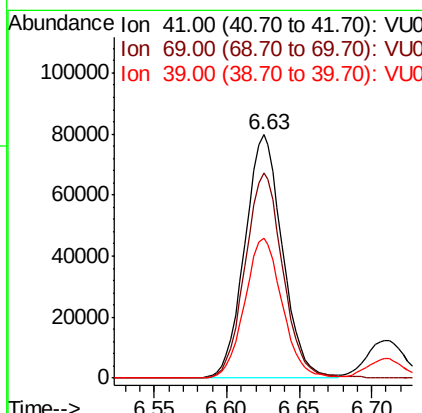
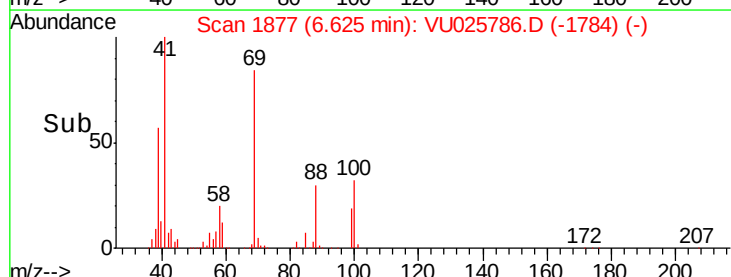
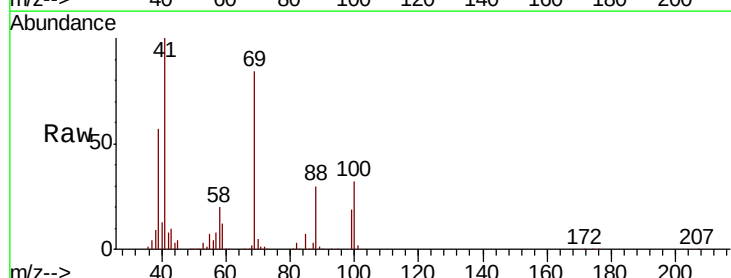
RT: 6.63 min Scan# 1877

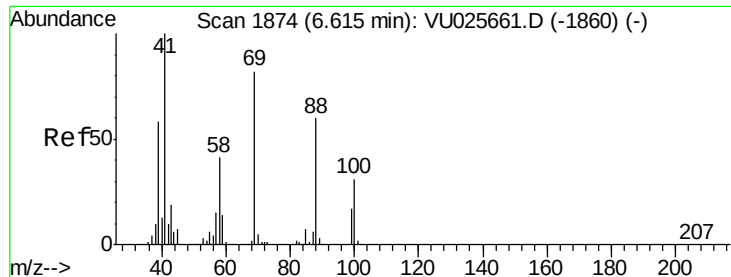
Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion:	41	Resp:	144053
Ion Ratio	Lower	Upper	
41	100		
69	84.5	65.0	97.4
39	56.7	46.4	69.6





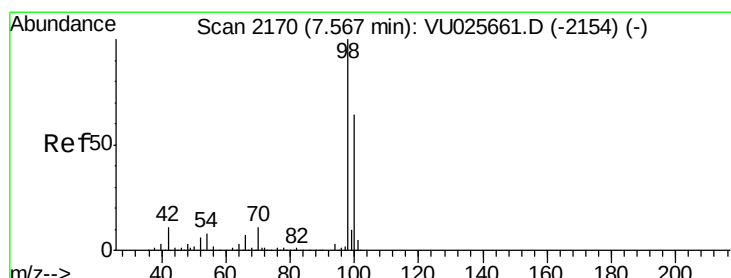
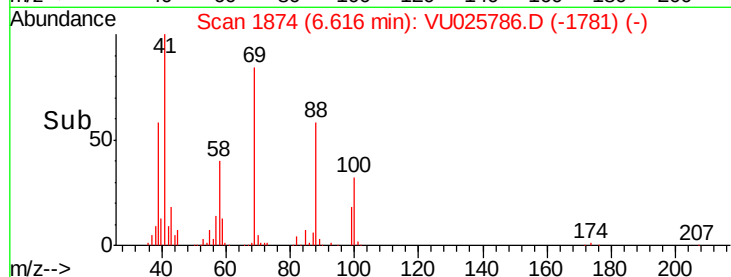
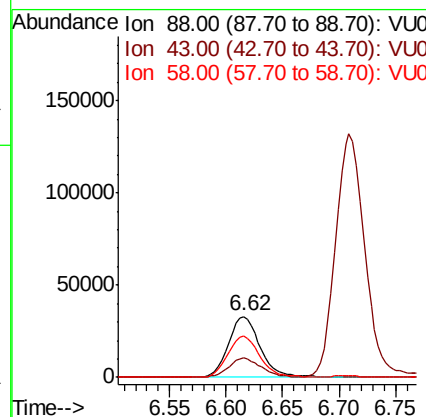
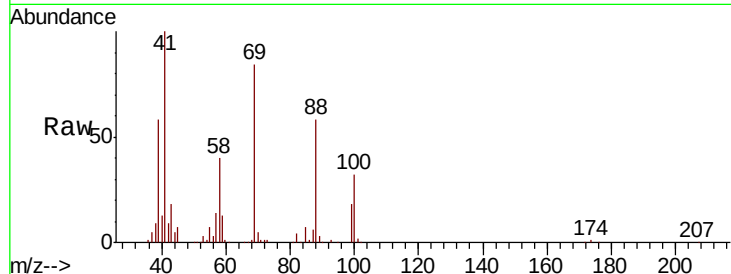
#49
1,4-Dioxane
Concen: 937.409 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	27.3	40.9
58	68.9	57.6	86.4

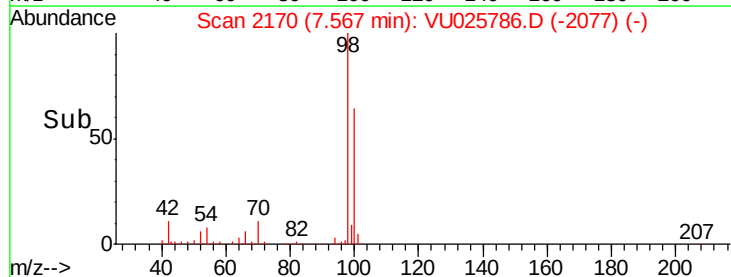
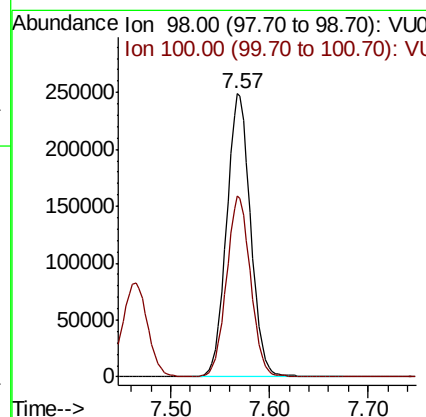
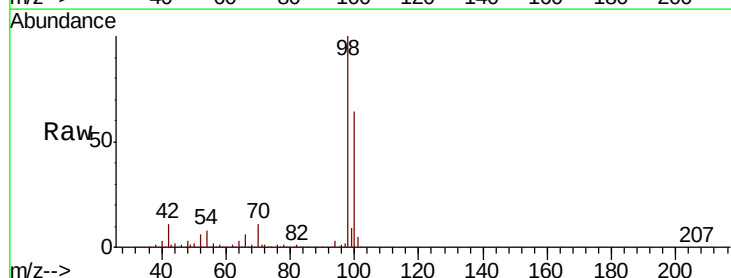
Manual Integrations
APPROVED

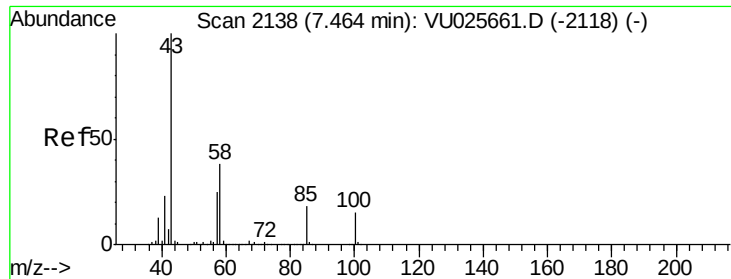
MMDadoda
8/2/2018 9:45:30 AM



#50
Toluene-d8
Concen: 49.174 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 254.951 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 909199

Ion Ratio Lower Upper

43 100

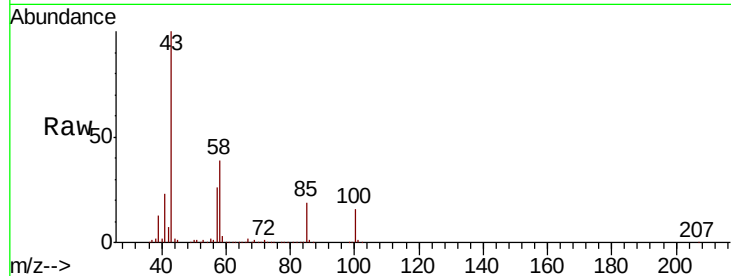
58 38.7 31.0 46.4

Manual Integrations

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MMDadoda

8/2/2018 9:45:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-2118) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-2118) (-)

600000

500000

400000

300000

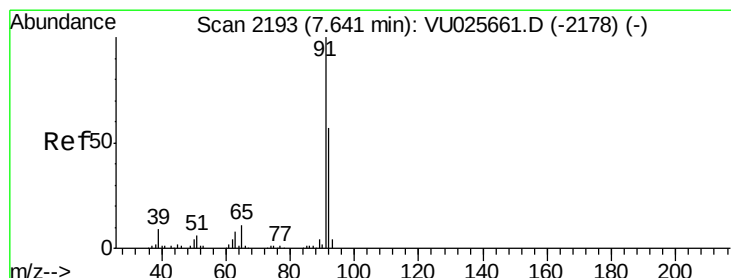
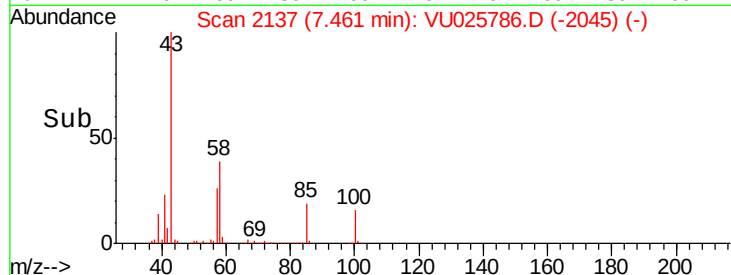
200000

100000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 48.717 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025786.D

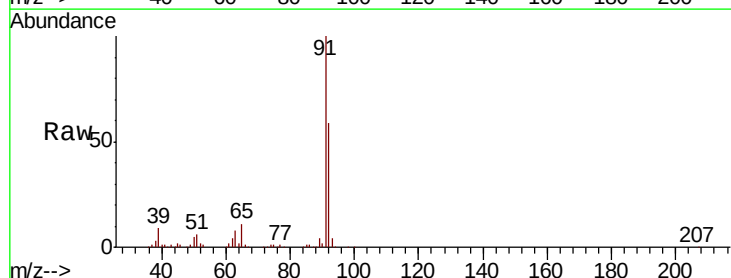
Acq: 01 Aug 2018 19:03

Tgt Ion: 92 Resp: 294100

Ion Ratio Lower Upper

92 100

91 172.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)

300000

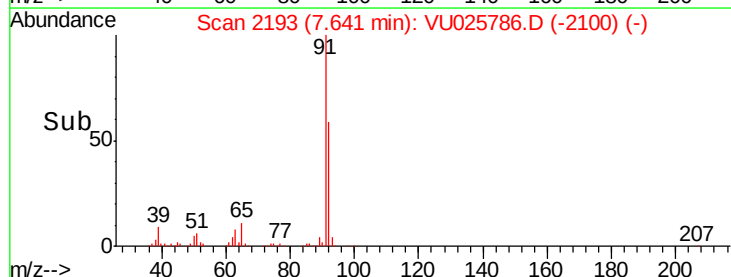
200000

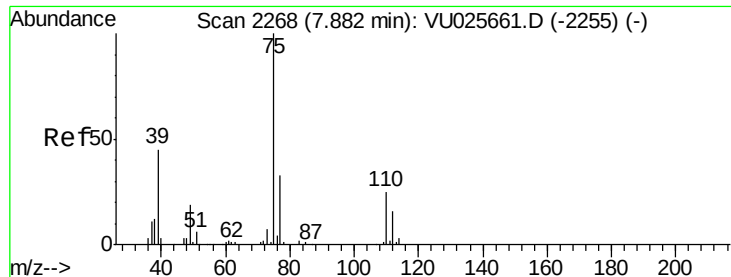
100000

0

7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.100 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 193109

Ion Ratio Lower Upper

75 100

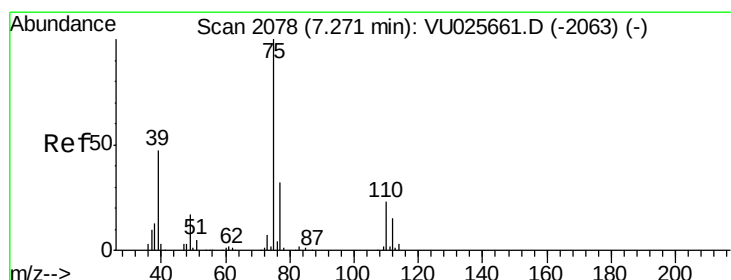
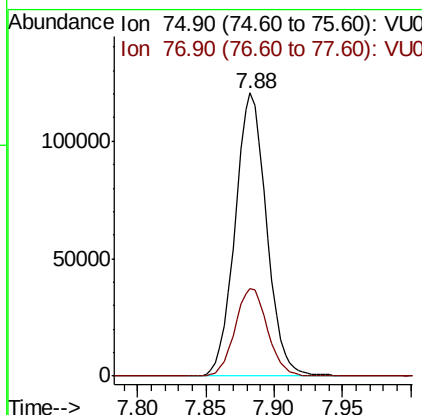
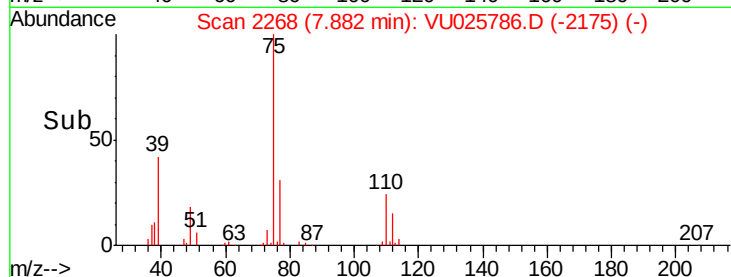
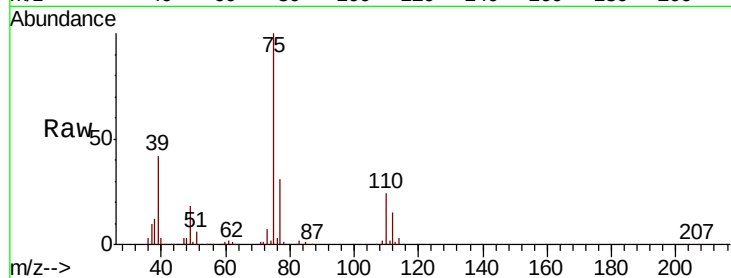
77 30.9 24.5 36.7

Manual Integrations

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MMDadoda

8/2/2018 9:45:30 AM



#54

cis-1,3-Dichloropropene

Concen: 49.548 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

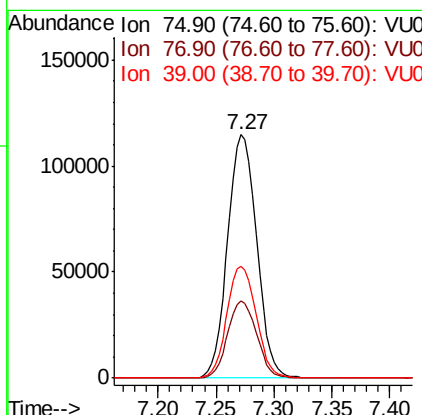
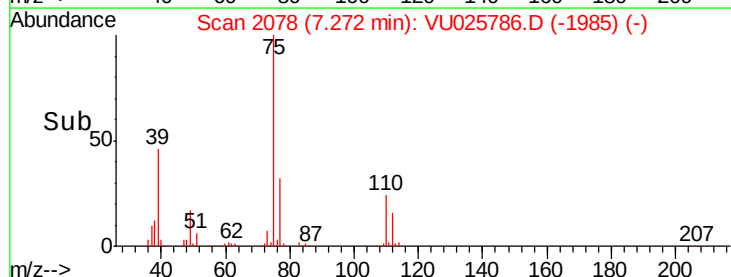
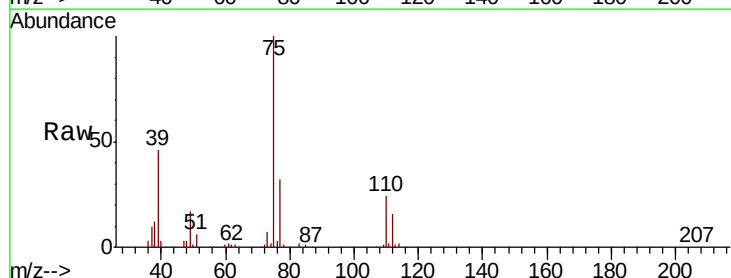
Tgt Ion: 75 Resp: 200176

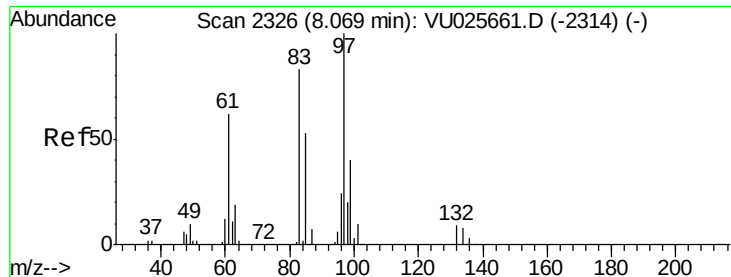
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 46.1 40.0 60.0





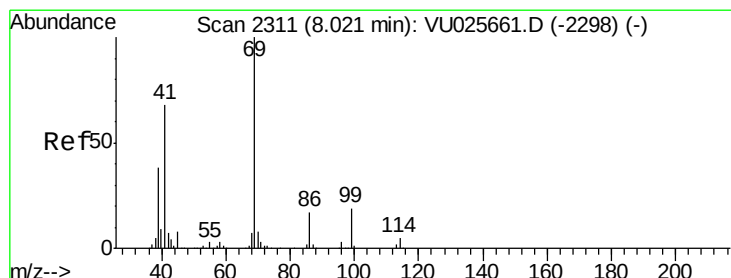
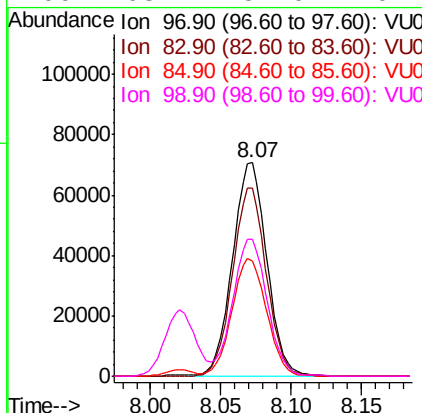
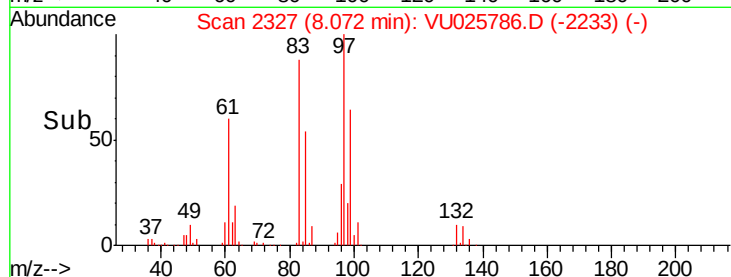
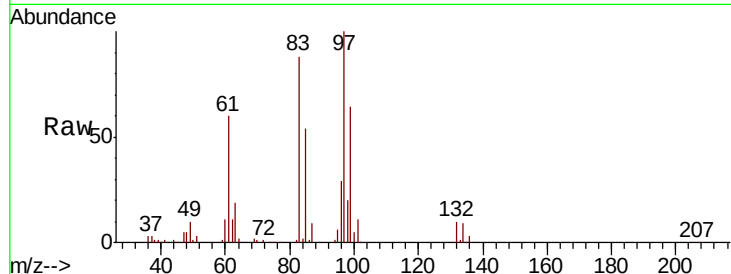
#55
 1,1,2-Trichloroethane
 Concen: 47.898 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120168		
83	87.8	68.9	103.3		
85	53.8	44.4	66.6		
99	63.7	51.0	76.4		

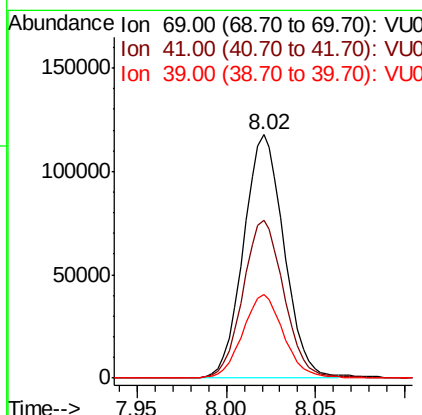
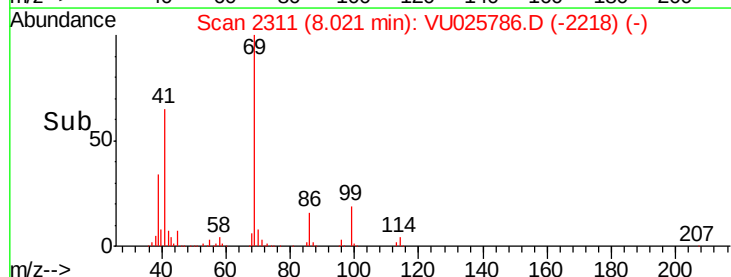
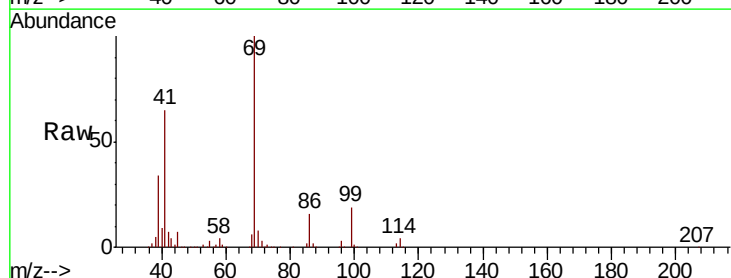
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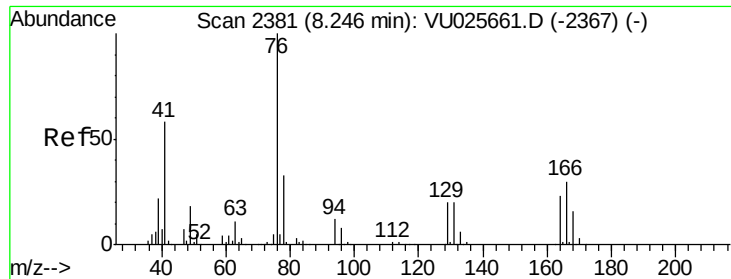
MMDadoda
 8/2/2018 9:45:30 AM



#56
 Ethyl methacrylate
 Concen: 52.120 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		186828		
41	66.3	54.8	82.2		
39	34.7	31.1	46.7		





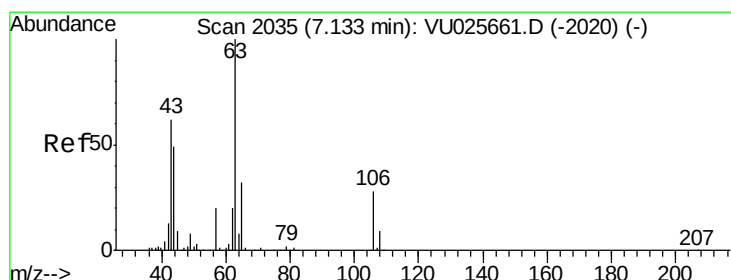
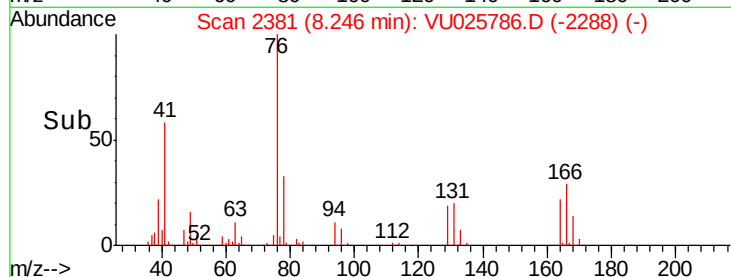
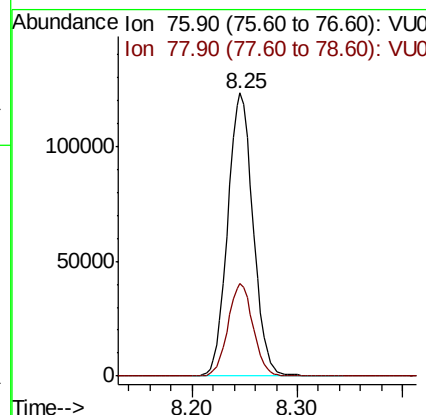
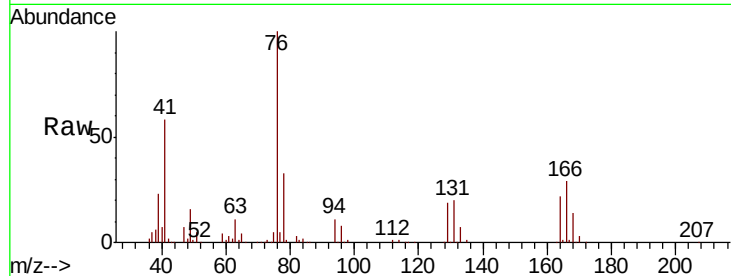
#57
 1,3-Dichloropropane
 Concen: 48.489 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1

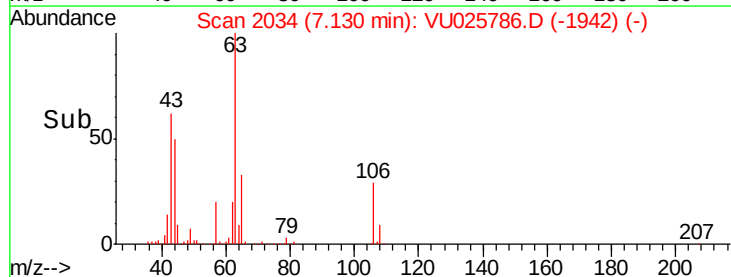
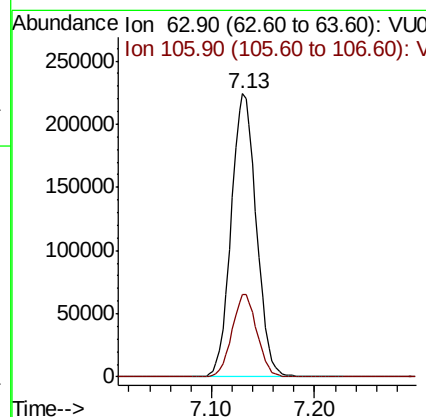
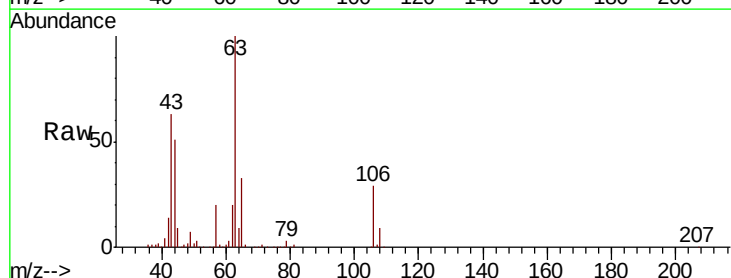
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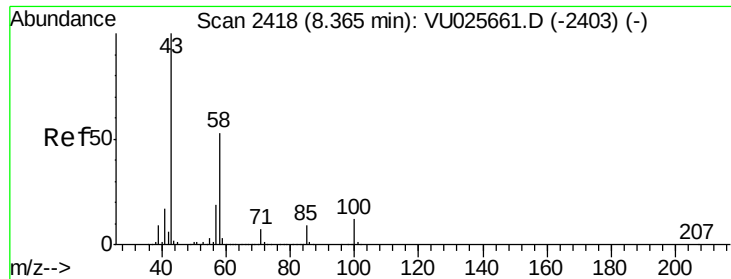
MMDadoda
 8/2/2018 9:45:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.494 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.3	33.5





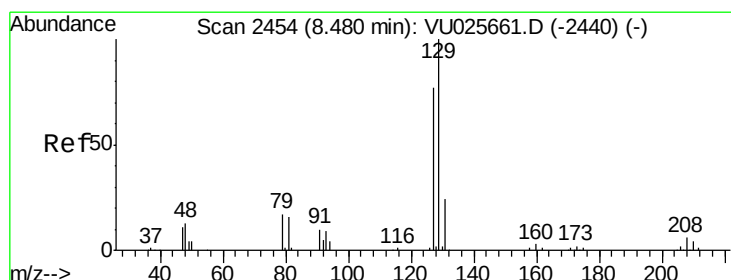
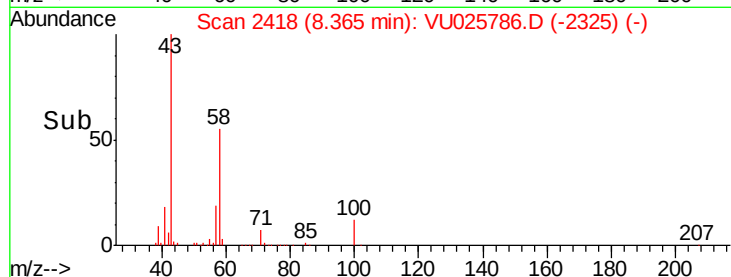
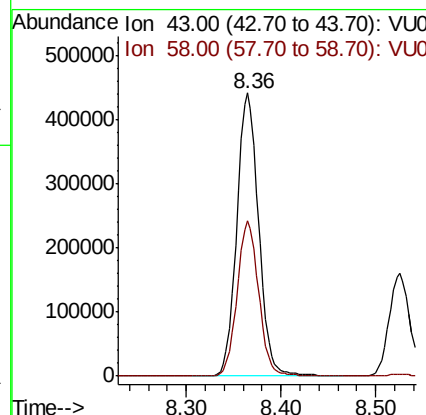
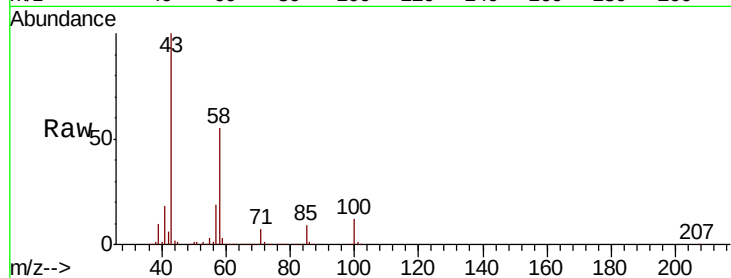
#59
2-Hexanone
Concen: 254.104 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	710335
Ion Ratio	100	Lower	Upper
43	100		
58	54.1	26.2	78.5

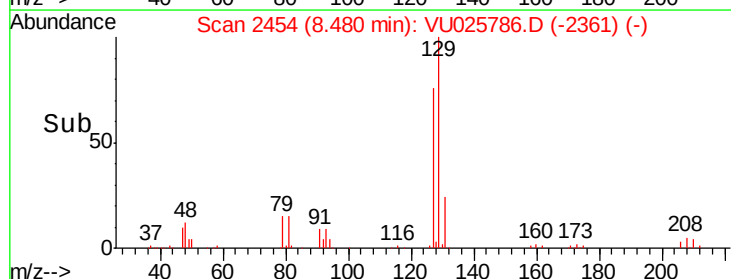
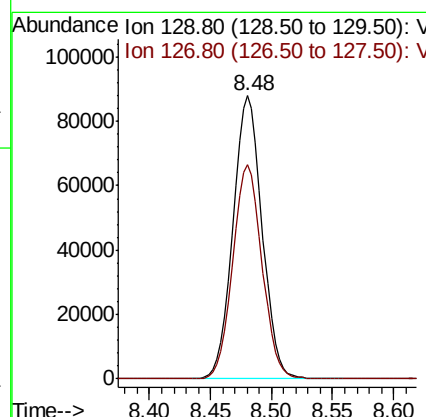
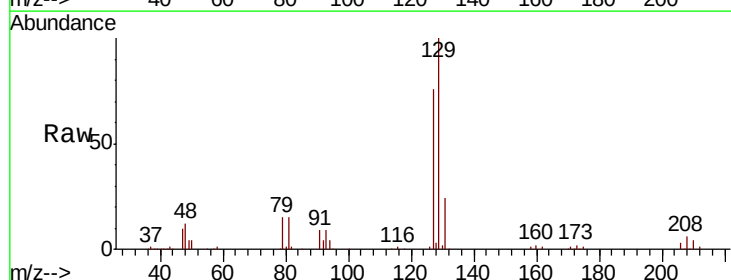
Manual Integrations
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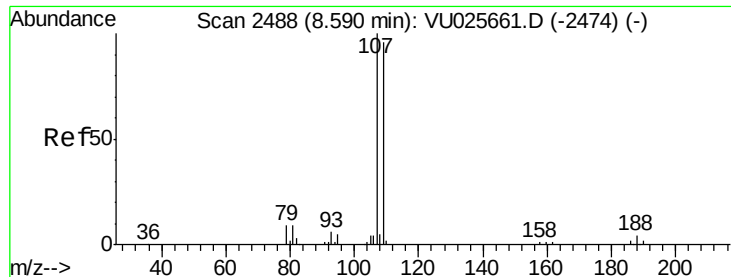
MMDadoda
8/2/2018 9:45:30 AM



#60
Dibromochloromethane
Concen: 49.389 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	129	Resp	146119
Ion Ratio	100	Lower	Upper
129	100		
127	76.1	38.6	115.8





#61

1,2-Dibromoethane

Concen: 49.183 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 137228

Ion Ratio Lower Upper

107 100

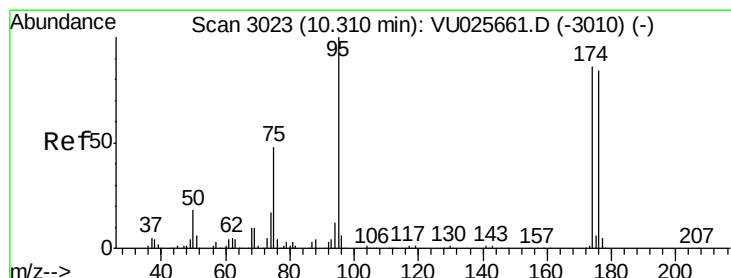
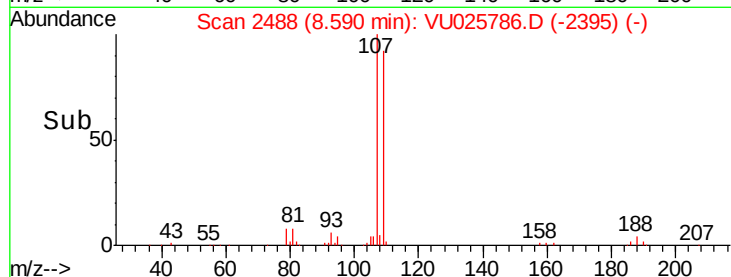
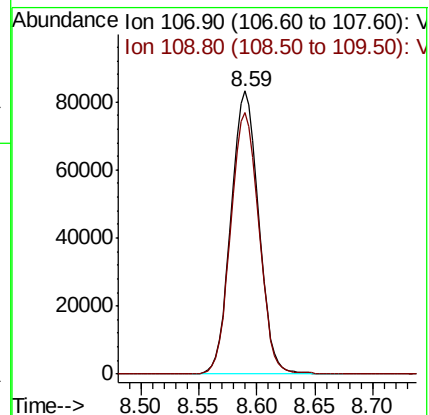
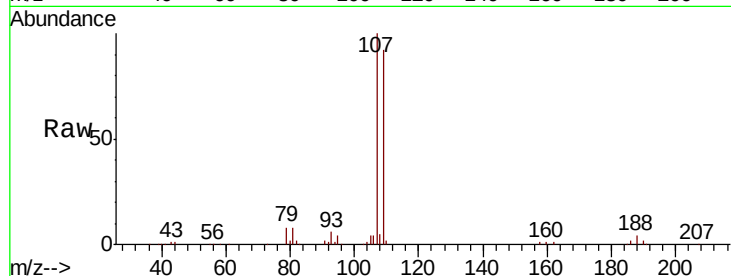
109 93.9 75.8 113.8

Manual Integrations

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8/2/2018 9:45:30 AM



#62

4-Bromofluorobenzene

Concen: 49.928 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

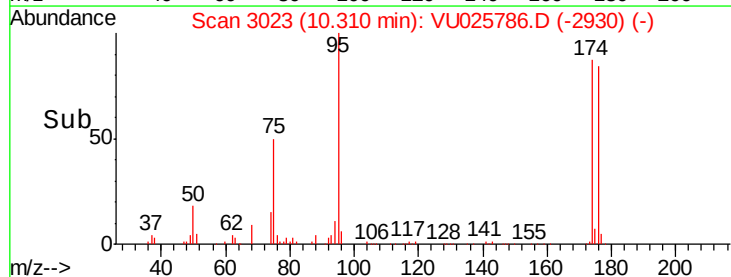
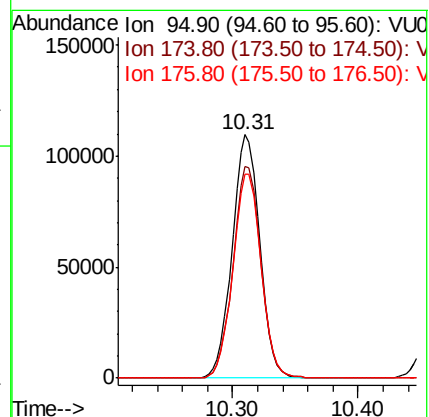
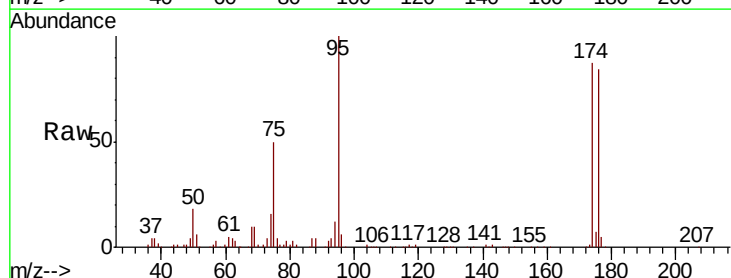
Tgt Ion: 95 Resp: 167780

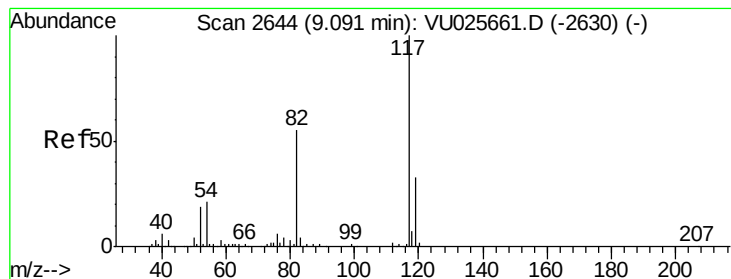
Ion Ratio Lower Upper

95 100

174 87.1 0.0 172.2

176 85.4 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

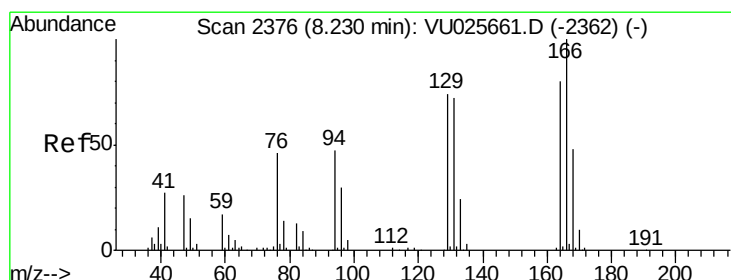
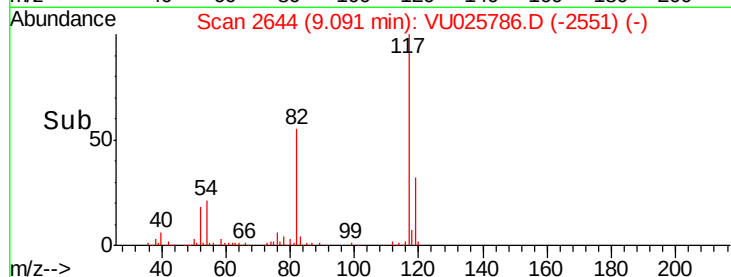
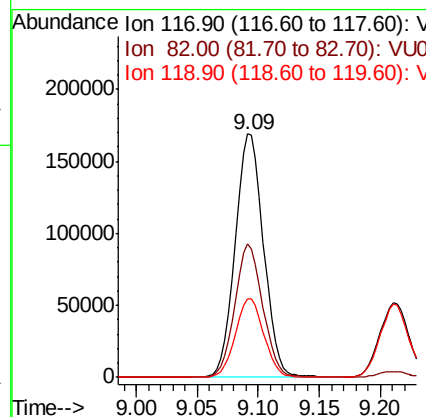
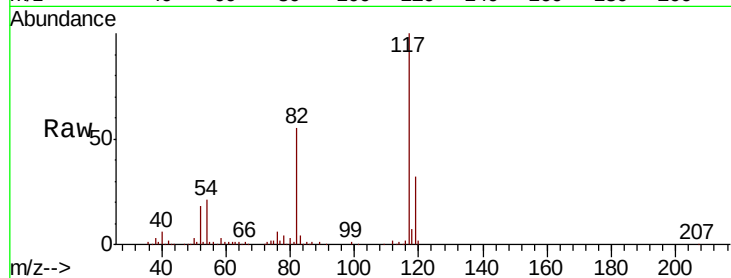
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	274609		
82	54.6	46.0	69.0	
119	32.2	26.0	39.0	

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.014 ug/l

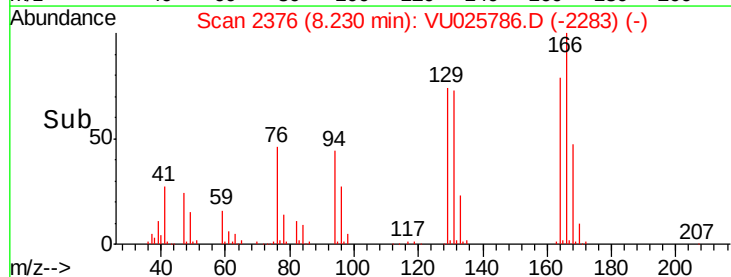
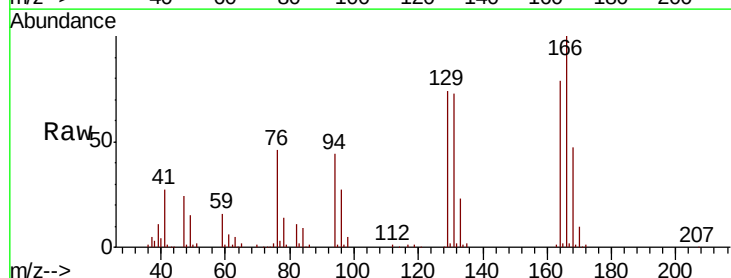
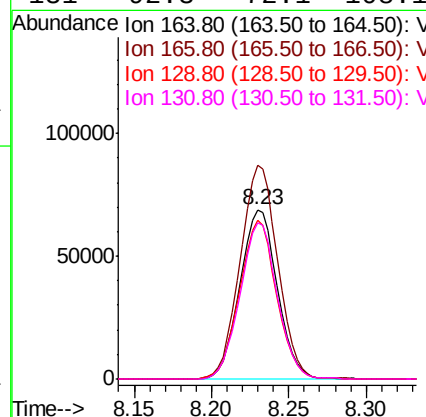
RT: 8.23 min Scan# 2376

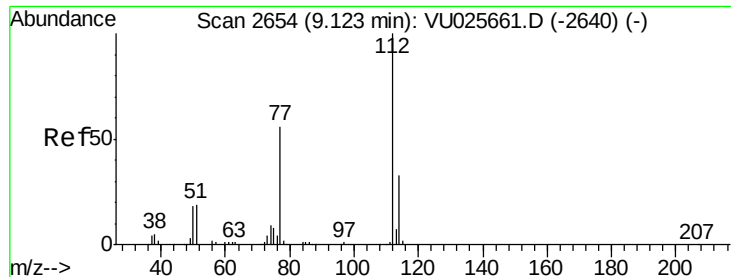
Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116055		
166	125.9	101.1	151.7	
129	93.6	73.0	109.6	
131	92.3	72.1	108.1	





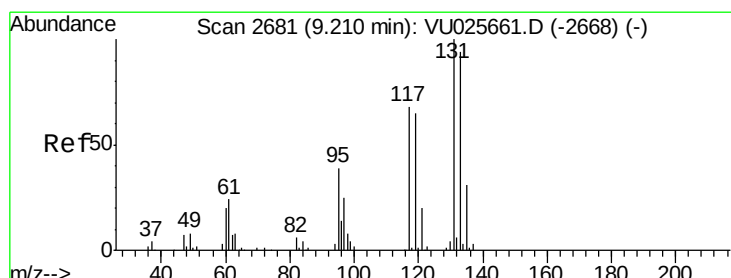
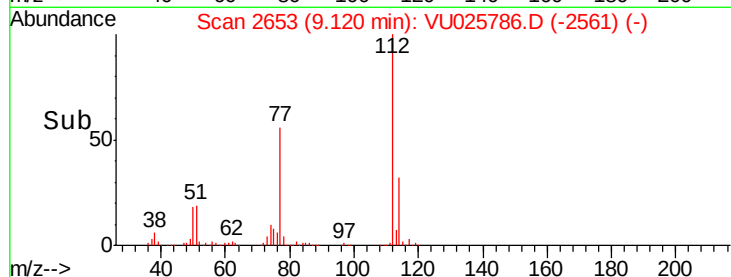
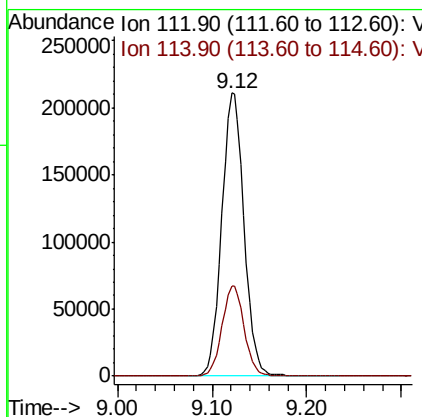
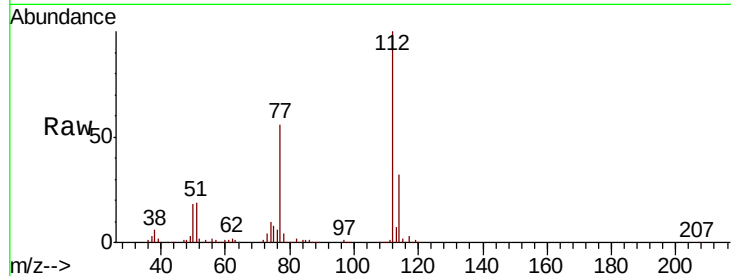
#65
Chlorobenzene
Concen: 48.609 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	344157		
114	32.0	25.8	38.8	

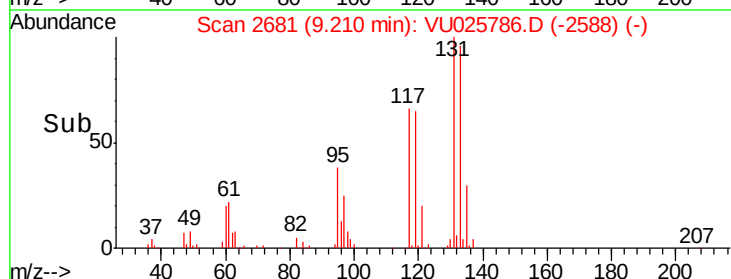
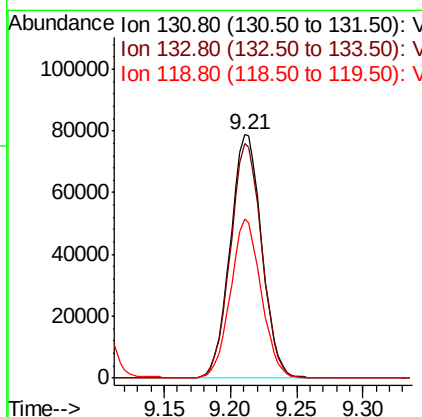
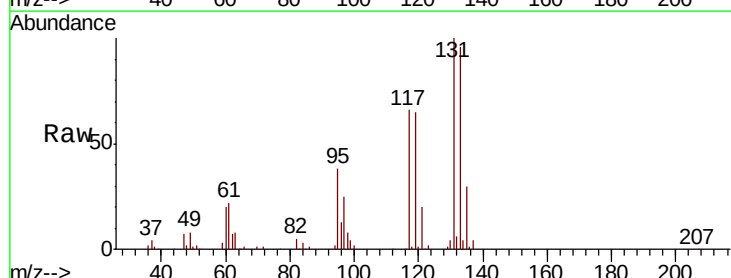
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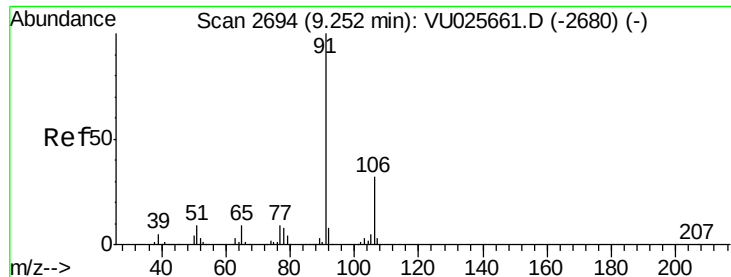
MMDadoda
8/2/2018 9:45:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.754 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	129993		
133	96.1	47.8	143.3	
119	63.2	31.6	95.0	





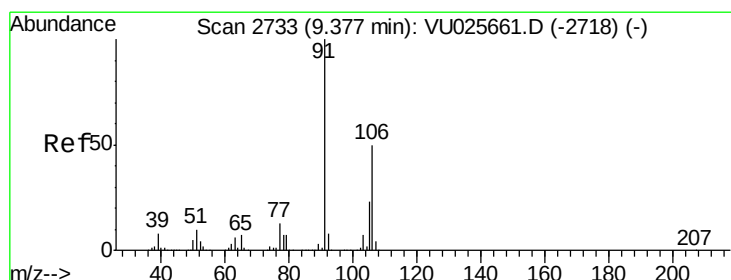
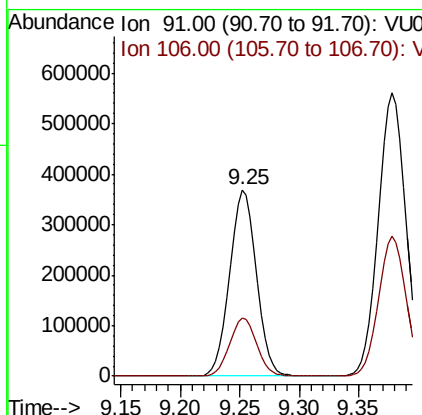
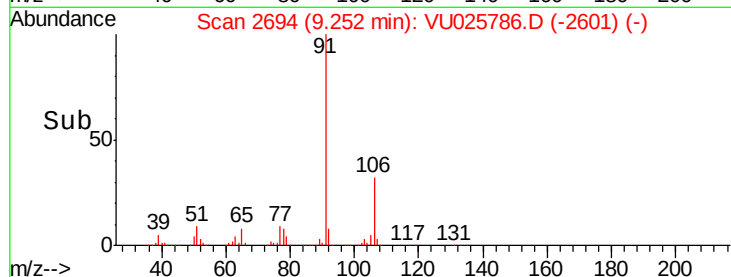
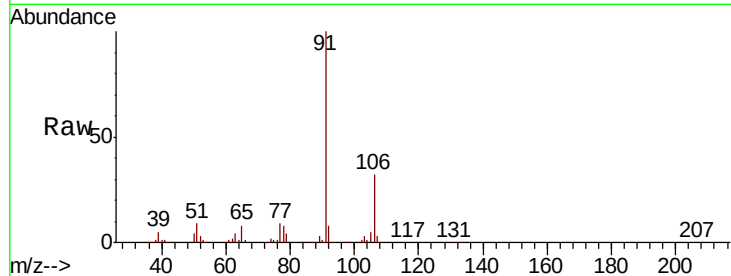
#67
Ethyl Benzene
Concen: 49.061 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 575376
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

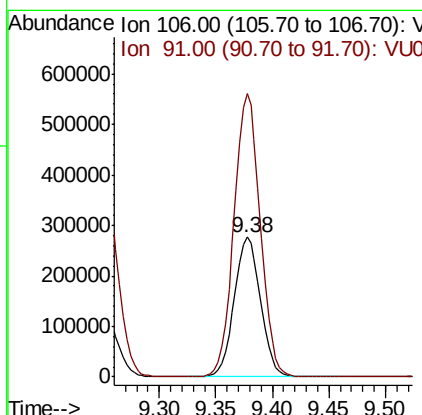
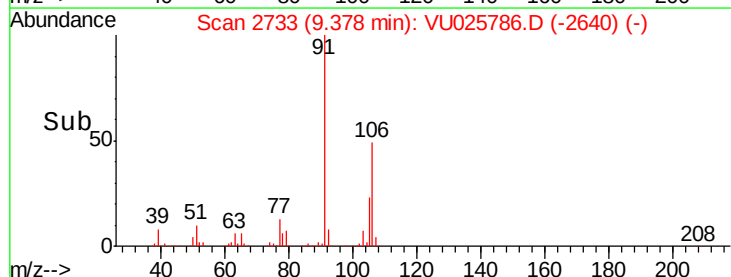
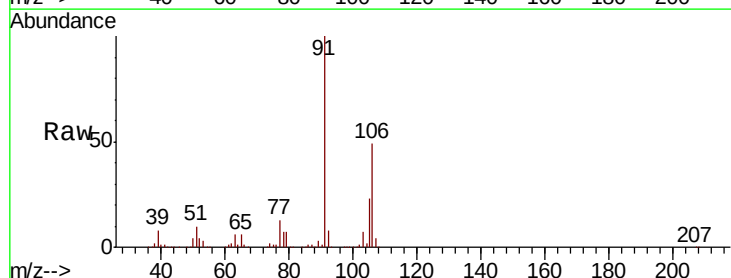
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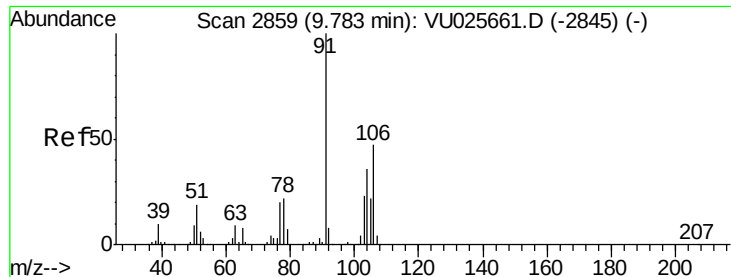
MMDadoda
8/2/2018 9:45:30 AM



#68
m/p-Xylenes
Concen: 99.325 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion: 106 Resp: 447213
Ion Ratio Lower Upper
106 100
91 202.5 162.3 243.5





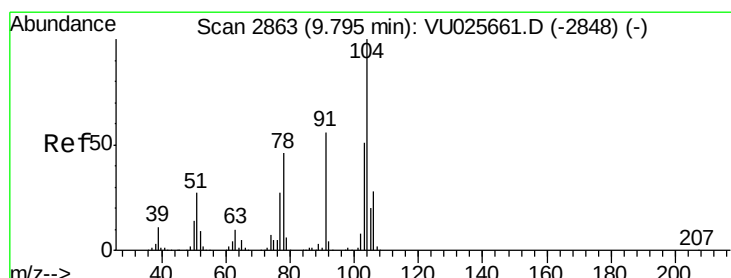
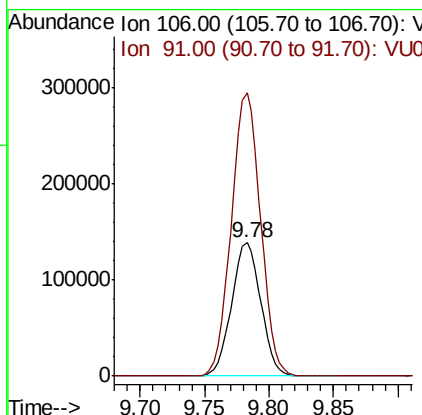
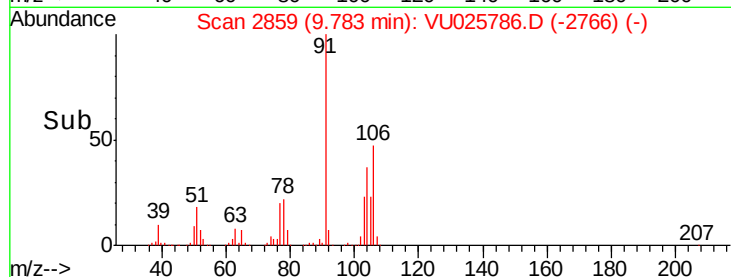
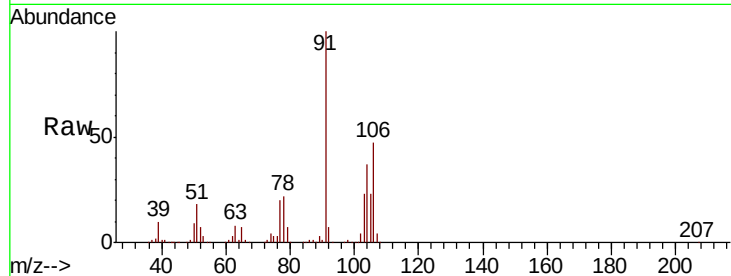
#69
o-Xylene
Concen: 49.480 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		217733		
91	212.3	105.3	315.8		

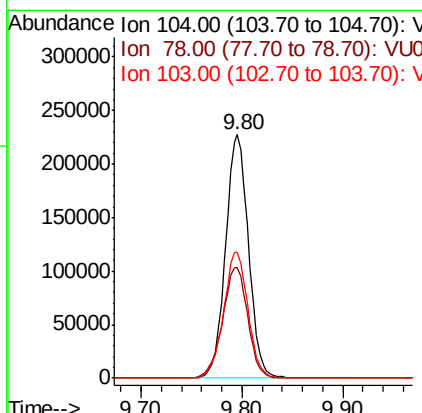
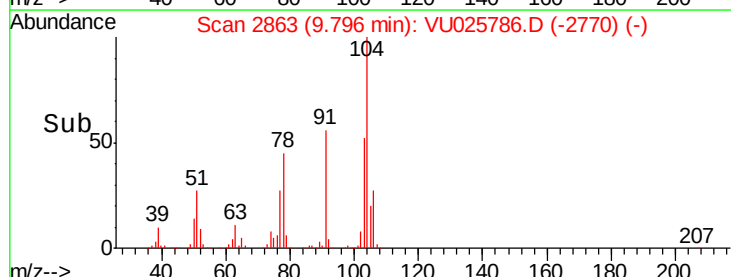
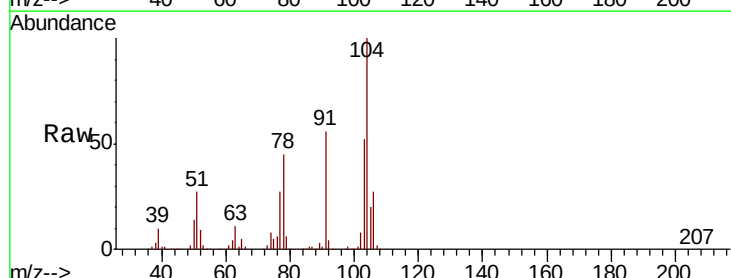
Manual Integrations
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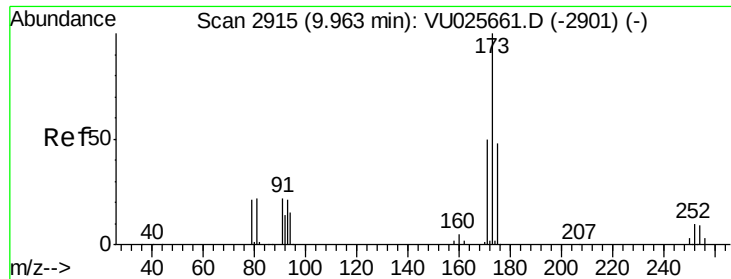
MMDadoda
8/2/2018 9:45:30 AM



#70
Styrene
Concen: 50.786 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		360981		
78	49.7	41.6	62.4		
103	55.1	44.6	66.8		





#71

Bromoform

Concen: 51.661 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

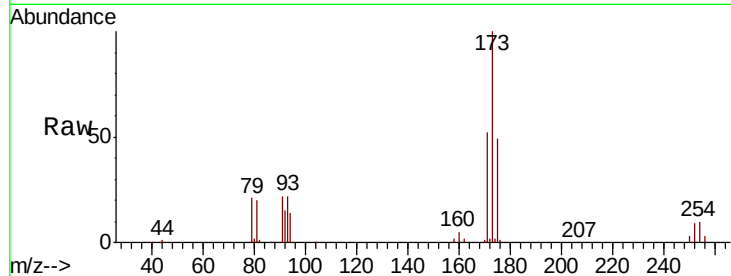
ClientSampleId :

VSTDCCC050EC

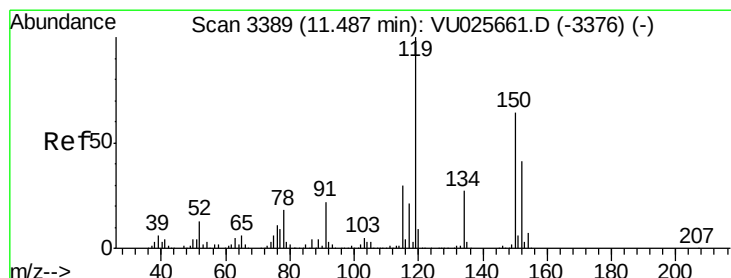
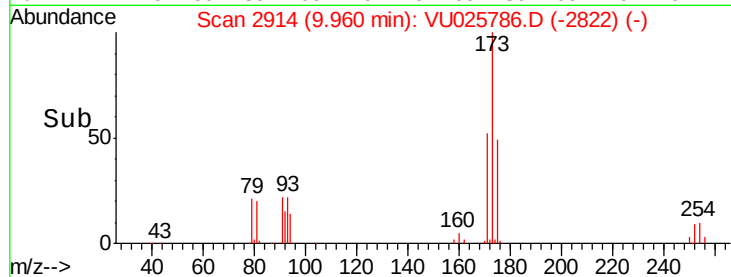
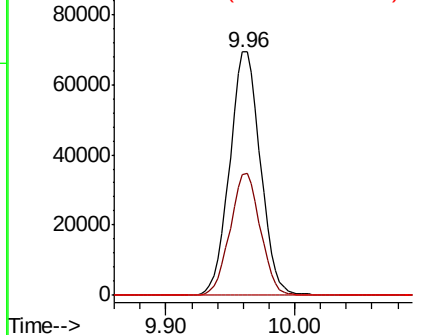
Tot Ion:	173	Resp:	114731
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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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: 50.000 ug/l

RT: 11.49 min Scan# 3389

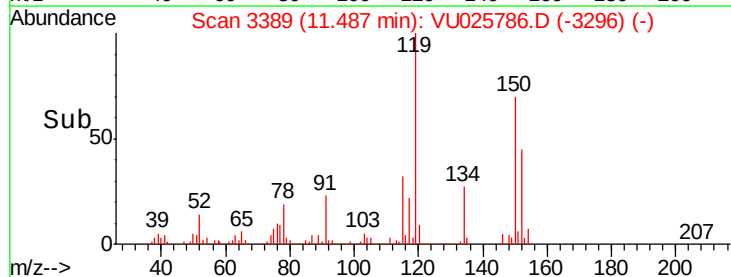
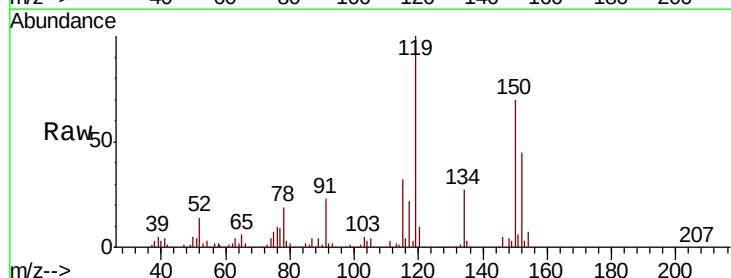
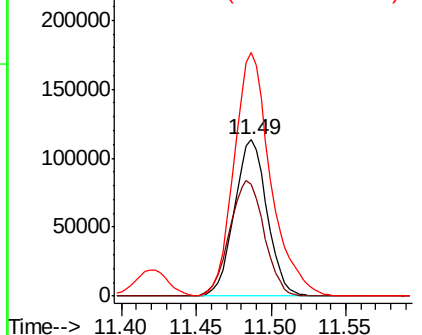
Delta R.T. 0.00 min

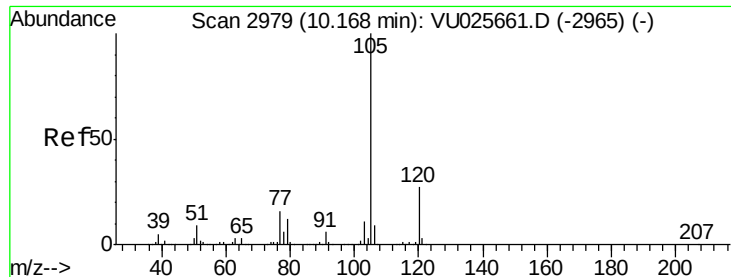
Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion:	152	Resp:	172621
Ion Ratio	Lower	Upper	
152	100		
115	78.2	40.1	120.3
150	173.6	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: 49.622 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 584636

Ion Ratio Lower Upper

105 100

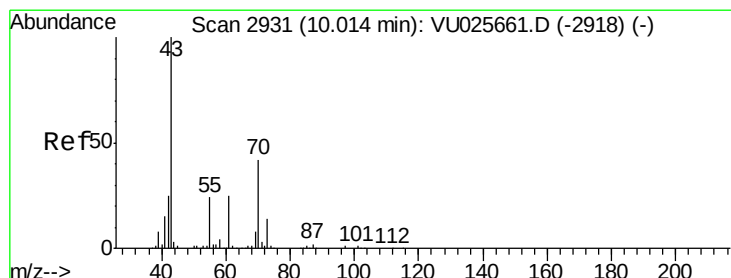
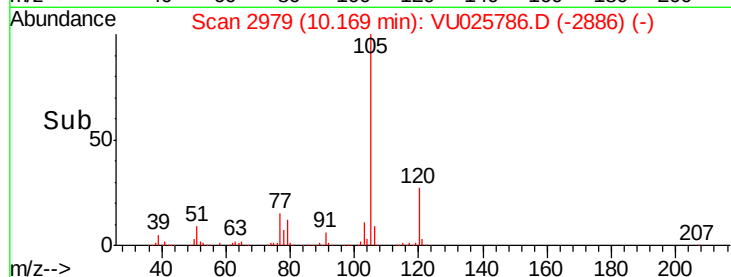
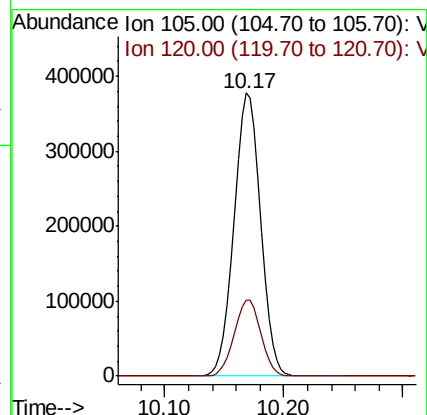
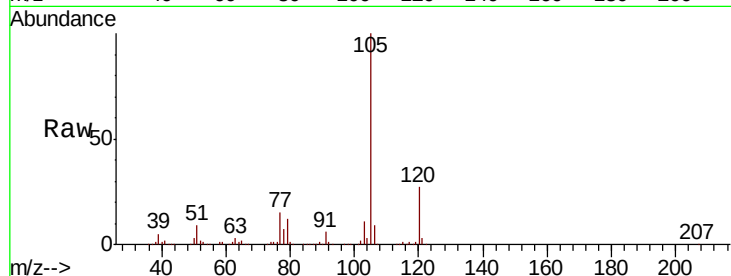
120 27.1 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.288 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion: 43 Resp: 246685

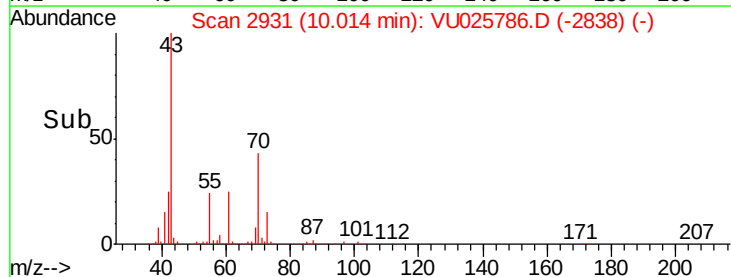
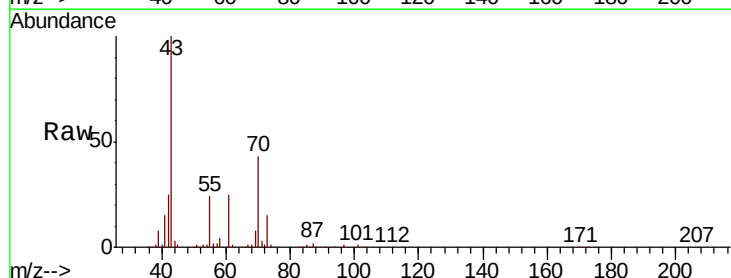
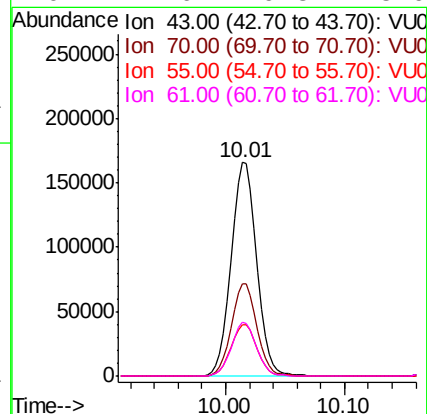
Ion Ratio Lower Upper

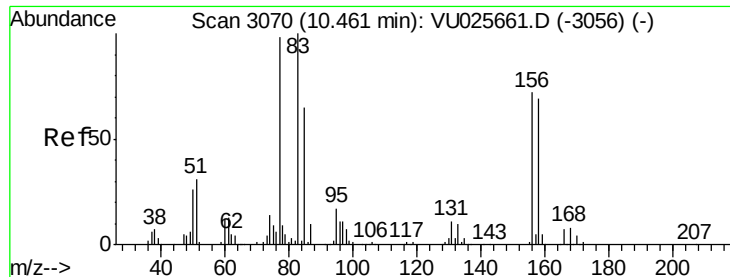
43 100

70 43.0 33.4 50.2

55 24.5 19.0 28.6

61 24.6 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.832 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 203028

Ion Ratio Lower Upper

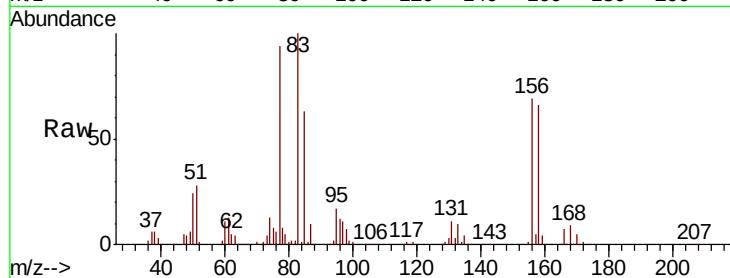
83 100

131 10.8 5.5 16.4

85 63.5 31.6 94.8

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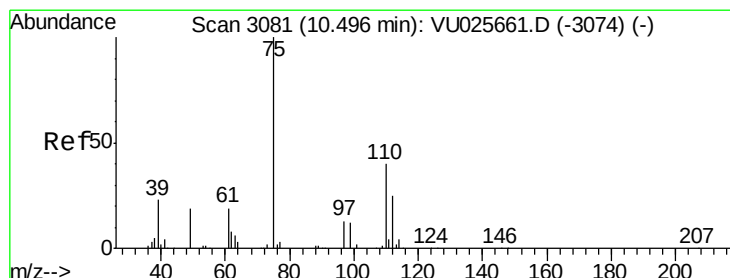
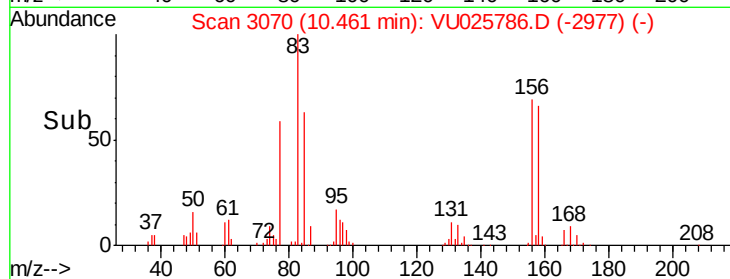
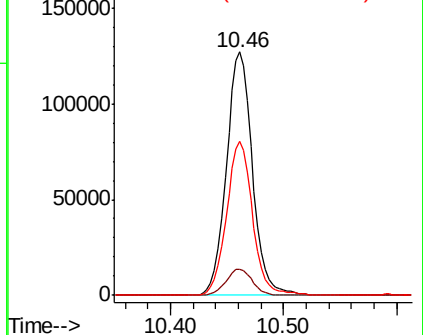
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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 46.970 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025786.D

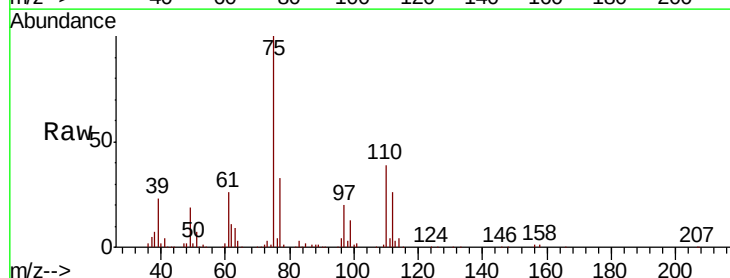
Acq: 01 Aug 2018 19:03

Tgt Ion: 75 Resp: 178647

Ion Ratio Lower Upper

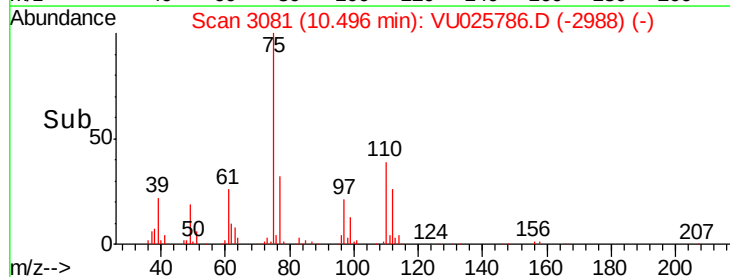
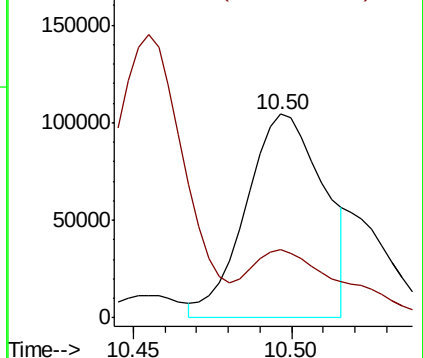
75 100

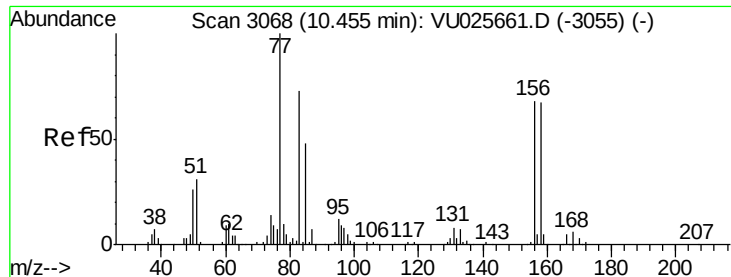
77 41.2 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 49.597 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

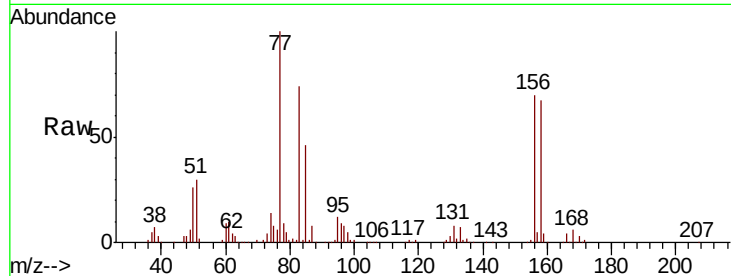
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	161176
Ion Ratio	Lower	Upper	
156	100		
77	144.5	73.8	221.4
158	96.3	48.0	144.0

Manual Integrations
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8/2/2018 9:45:30 AM

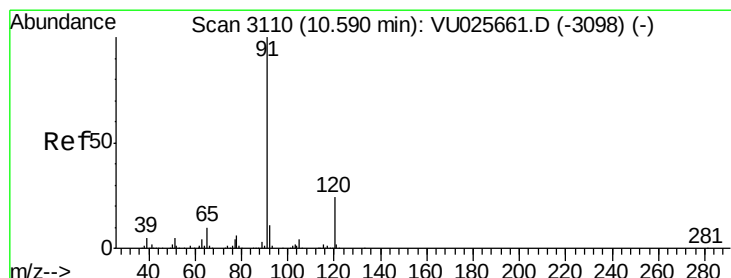
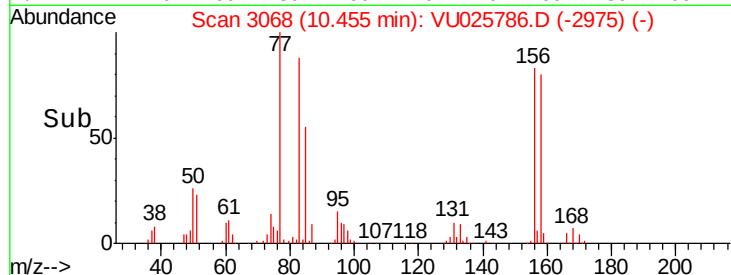
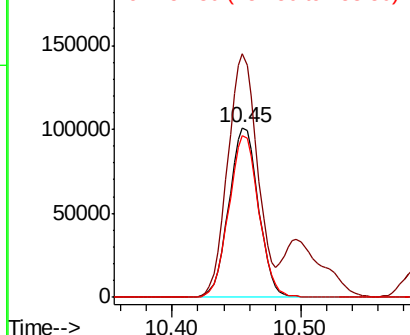


Abundance

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: 49.155 ug/l

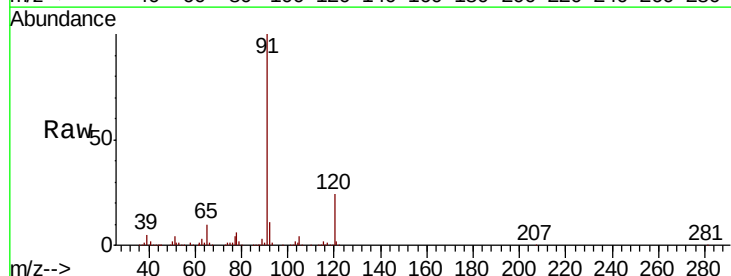
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

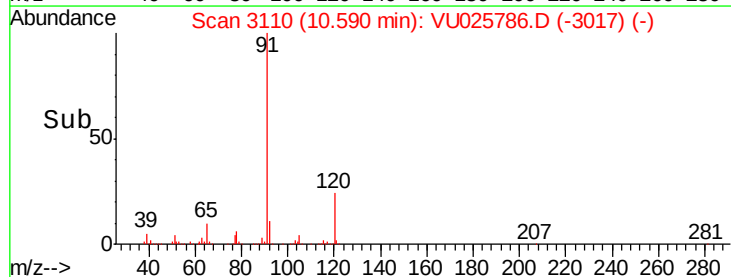
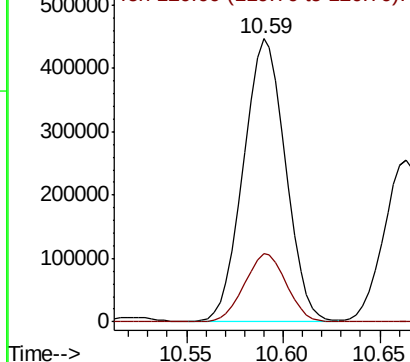
Tgt Ion:	91	Resp:	675948
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.3

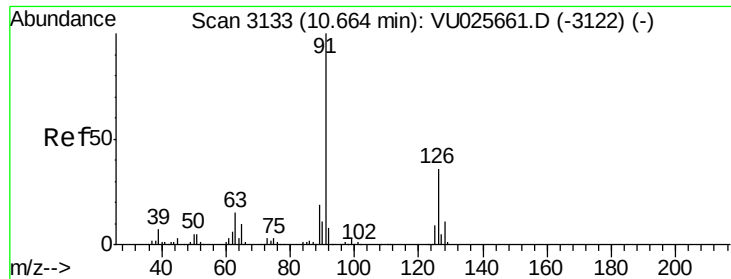


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.587 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 399395

Ion Ratio Lower Upper

91 100

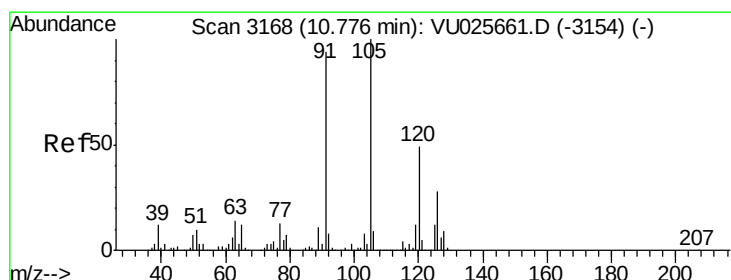
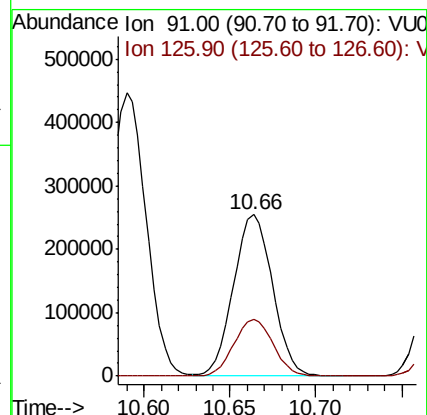
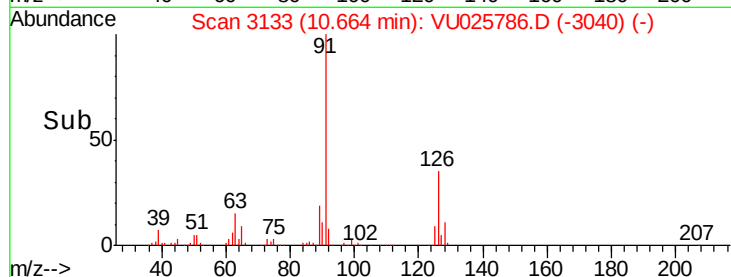
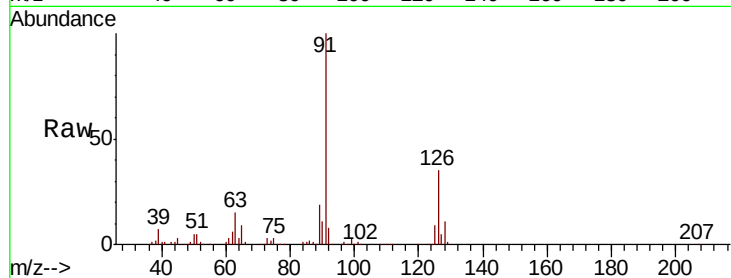
126 35.7 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 49.522 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025786.D

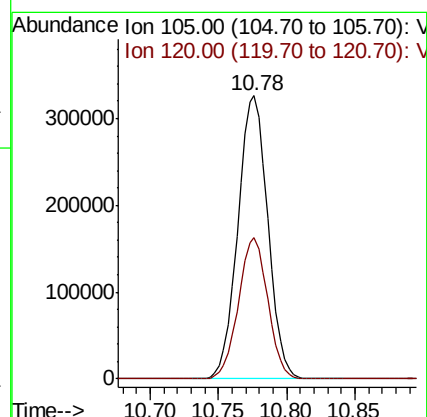
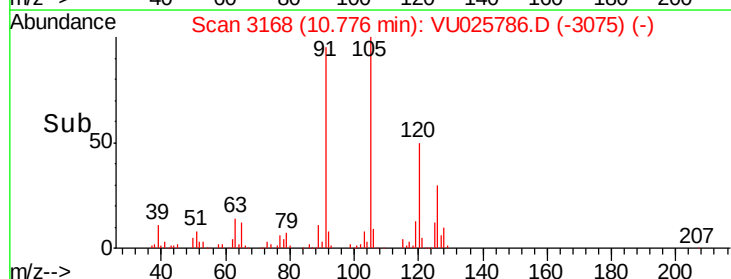
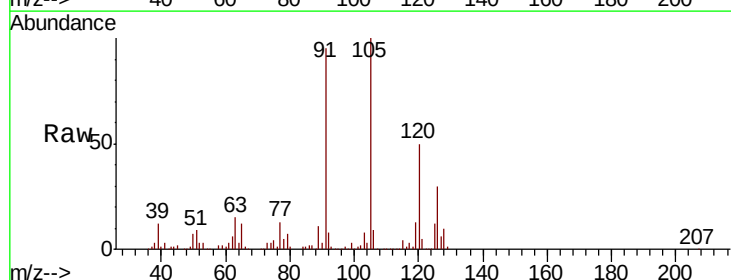
Acq: 01 Aug 2018 19:03

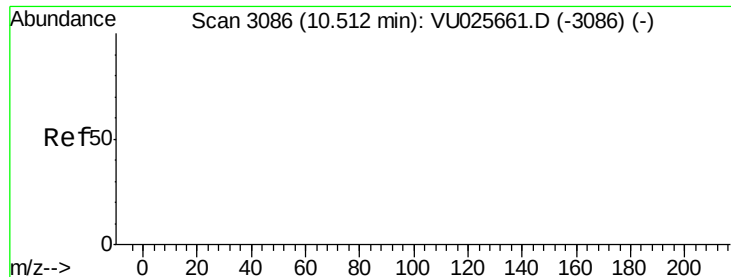
Tgt Ion: 105 Resp: 495515

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2





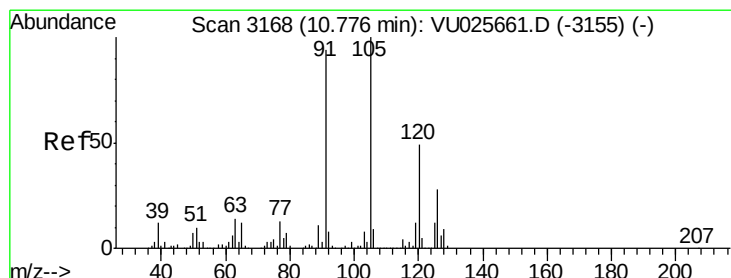
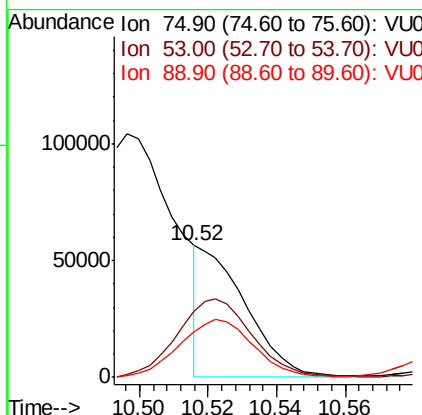
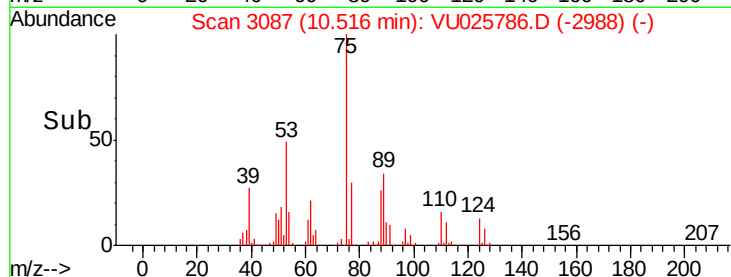
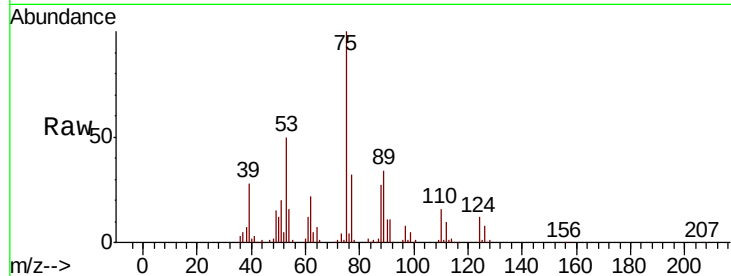
#81
trans-1,4-Dichloro-2-butene
Concen: 34.287 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.02 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

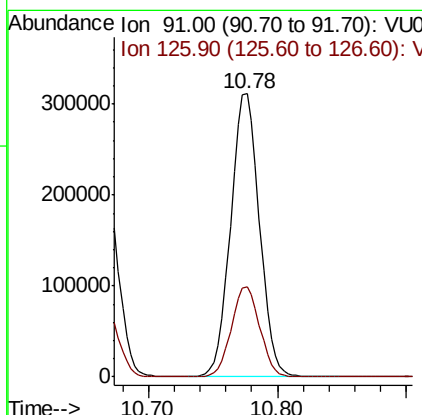
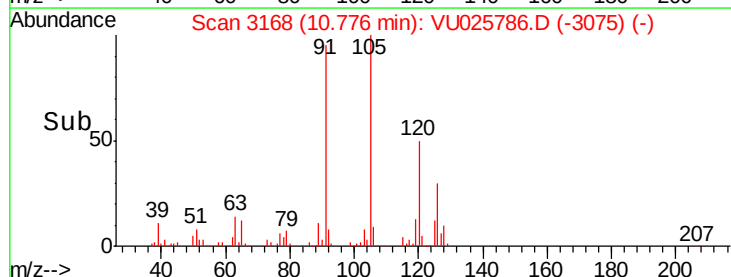
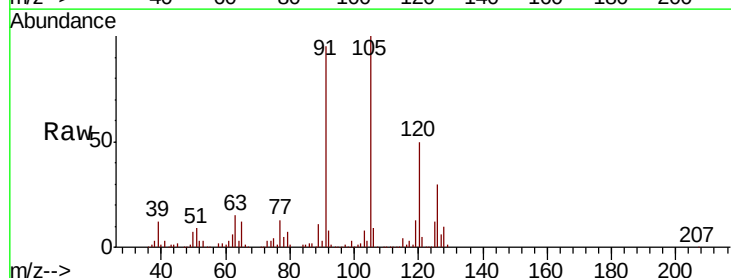
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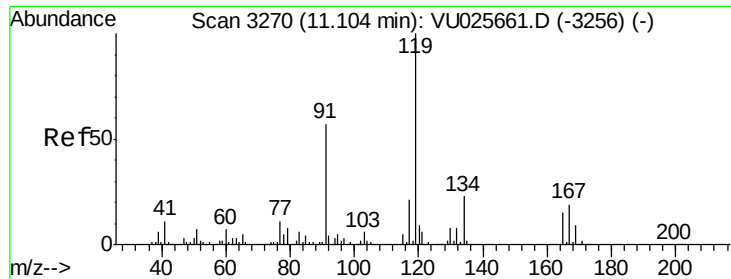
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#82
4-Chlorotoluene
Concen: 50.679 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.3	45.9





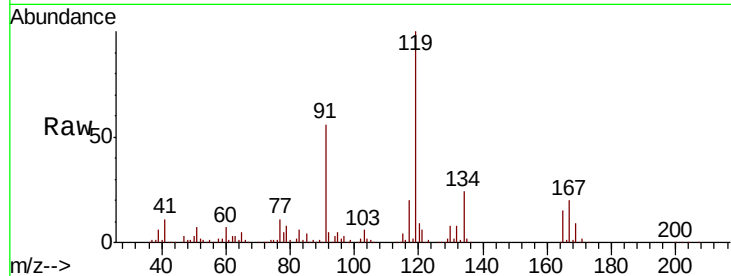
#83
 tert-Butylbenzene
 Concen: 49.082 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	487954		
91	56.0	29.7	89.1	
134	23.4	11.5	34.5	

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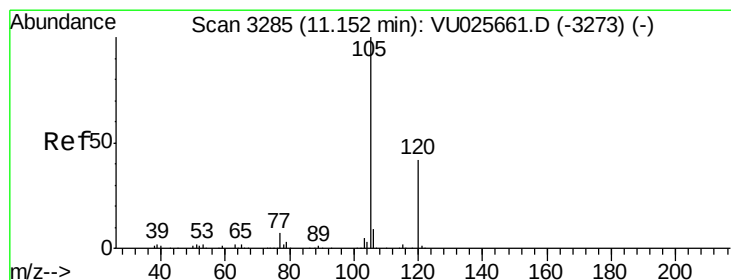
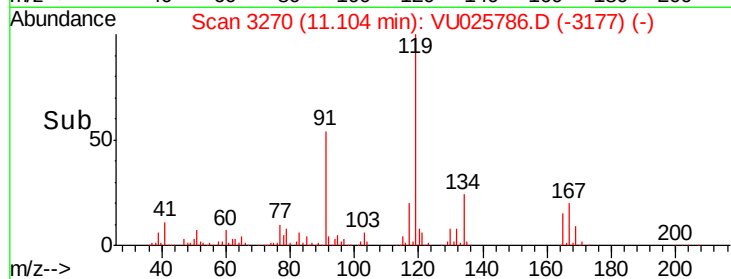
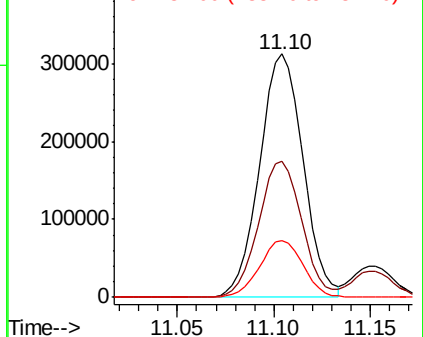


Abundance

Ion 119.00 (118.70 to 119.70): V

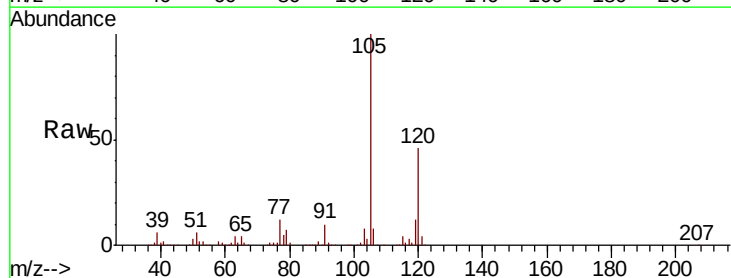
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 49.855 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

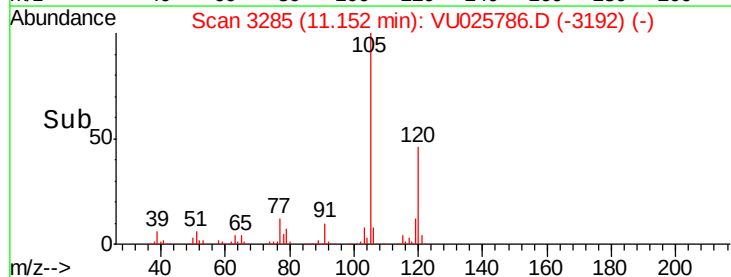
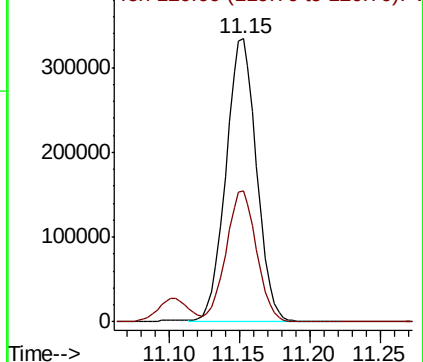
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	505513		
120	46.2	22.3	66.8	

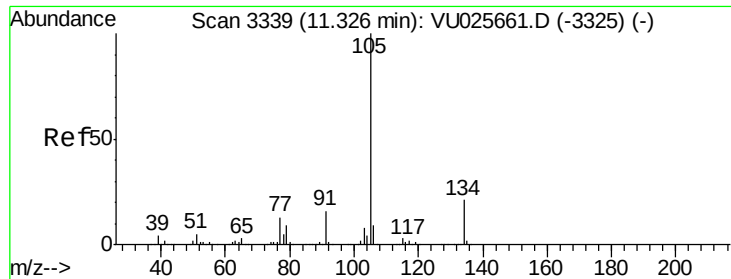


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.676 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 578687

Ion Ratio Lower Upper

105 100

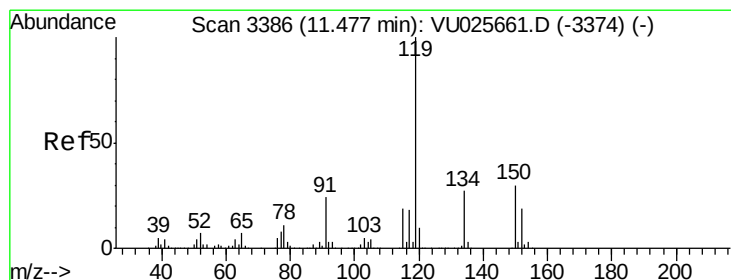
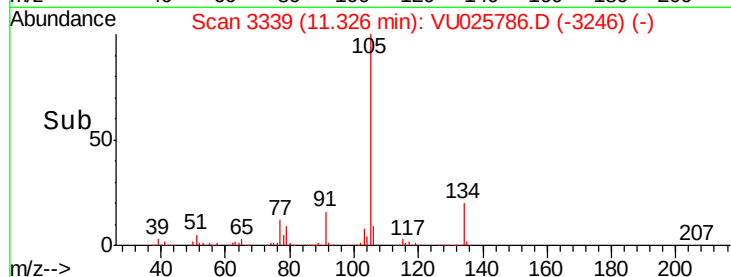
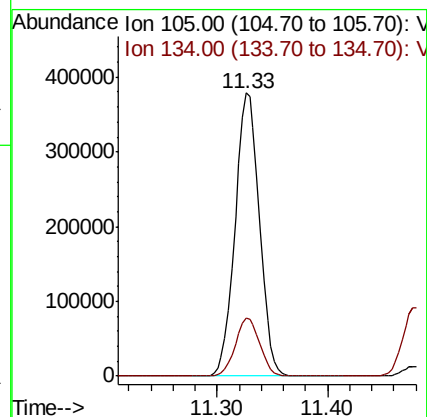
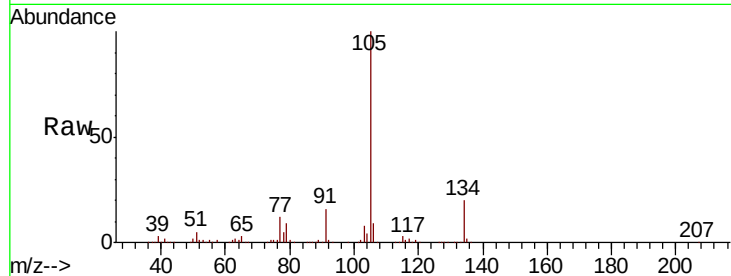
134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 48.410 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

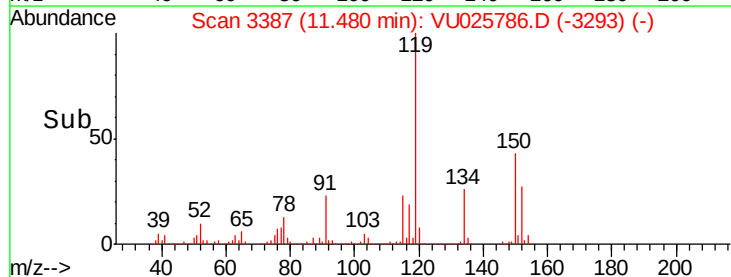
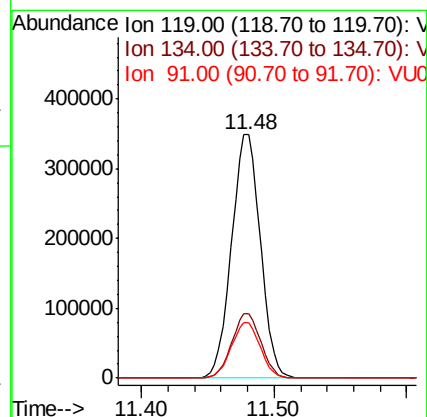
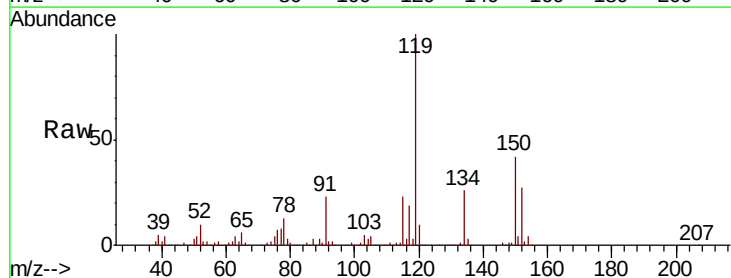
Tgt Ion:119 Resp: 526150

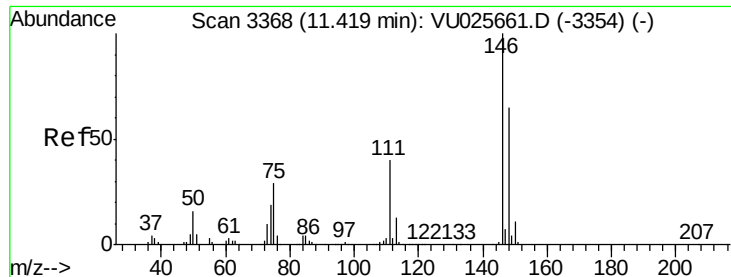
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 23.0 12.0 36.1





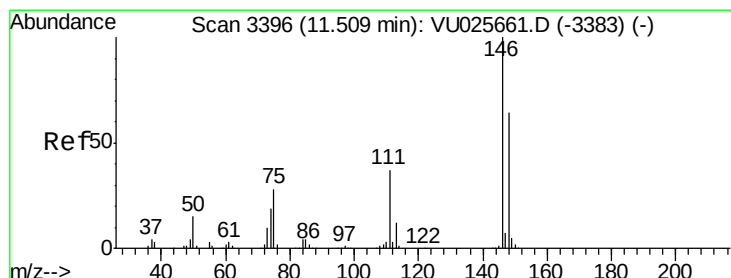
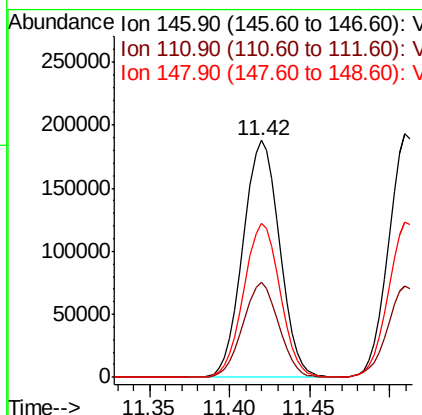
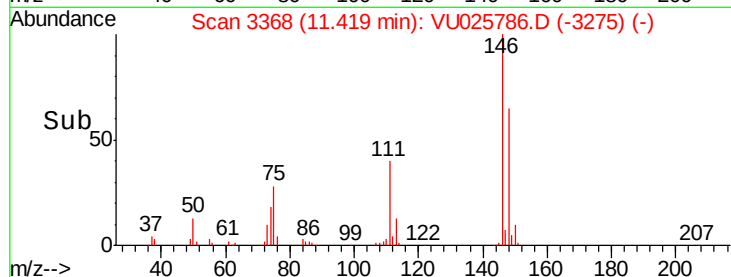
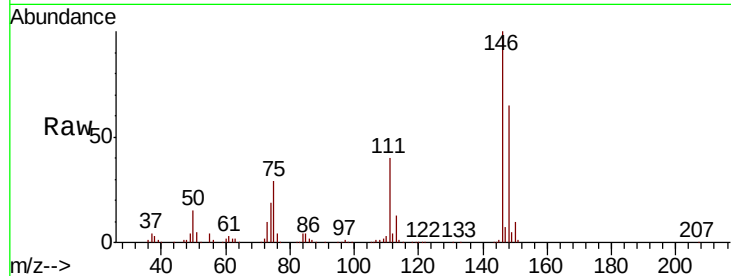
#87
 1,3-Dichlorobenzene
 Concen: 48.712 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.5	32.1	96.3

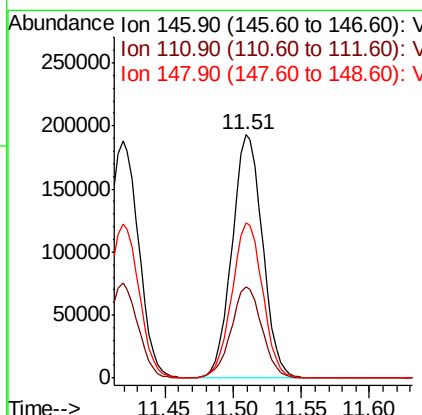
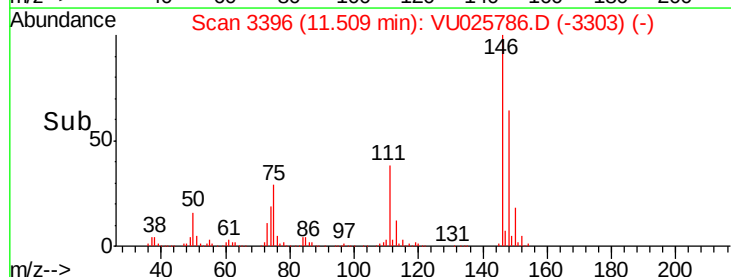
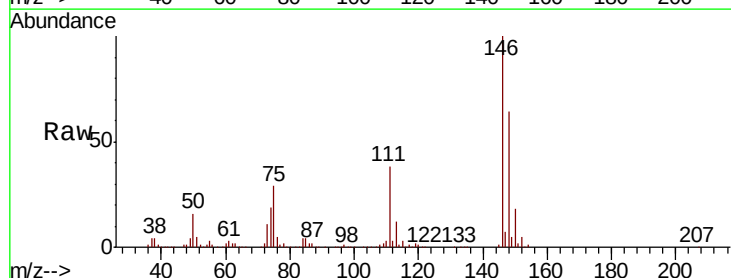
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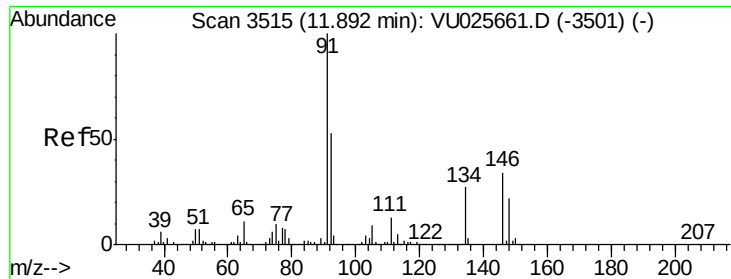
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#88
 1,4-Dichlorobenzene
 Concen: 47.583 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.1
148	64.5	31.7	95.1





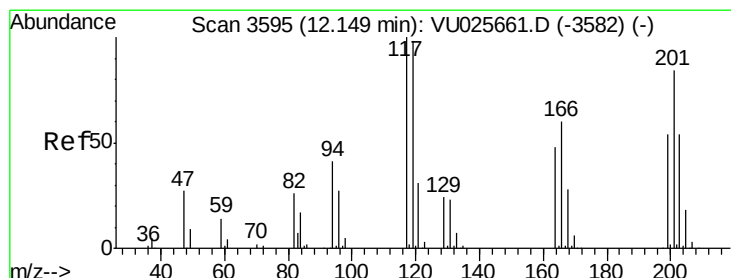
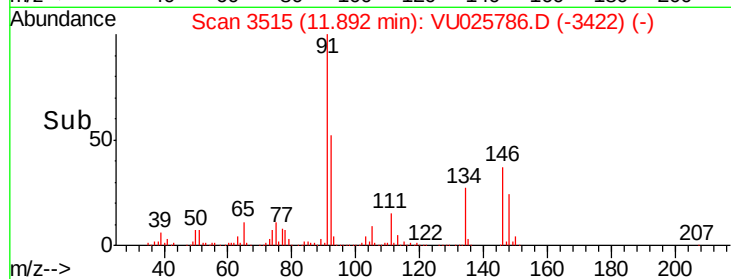
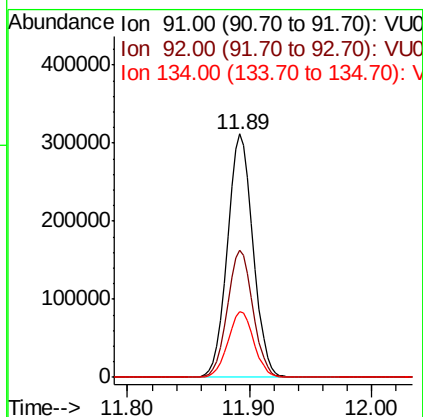
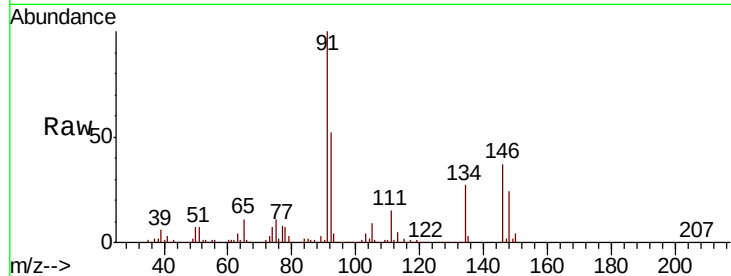
#89
n-Butylbenzene
Concen: 45.695 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.5	79.5
134	27.3	13.6	40.7

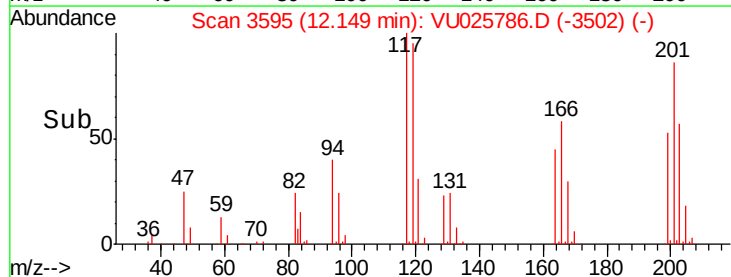
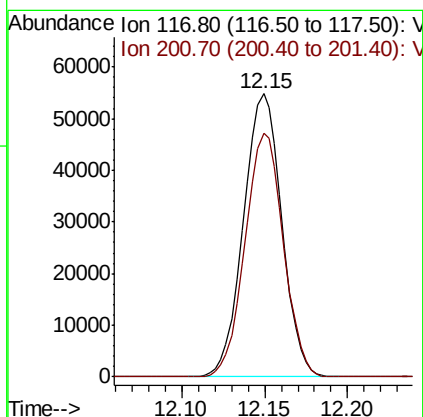
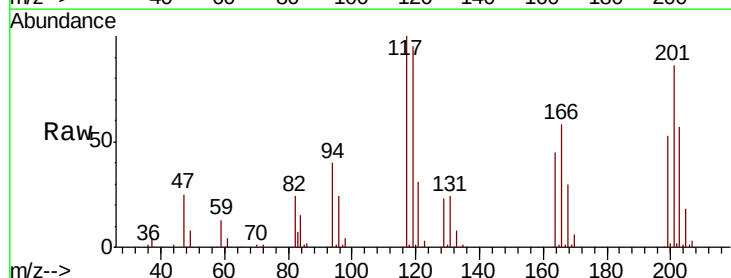
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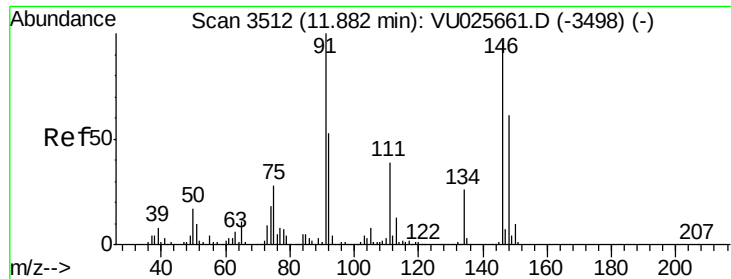
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#90
Hexachloroethane
Concen: 45.521 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 49.006 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Instrument :

MSVOA_U

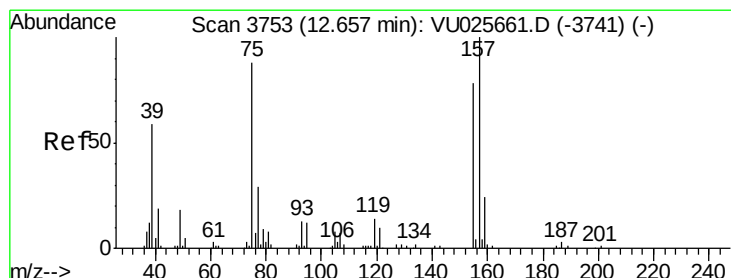
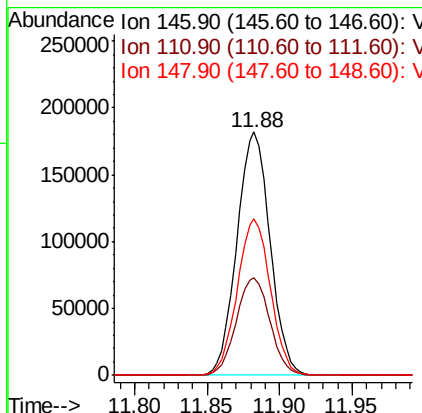
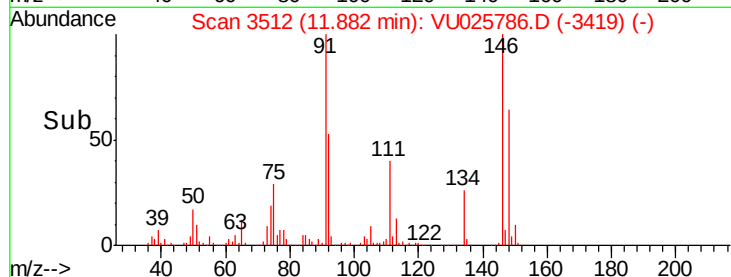
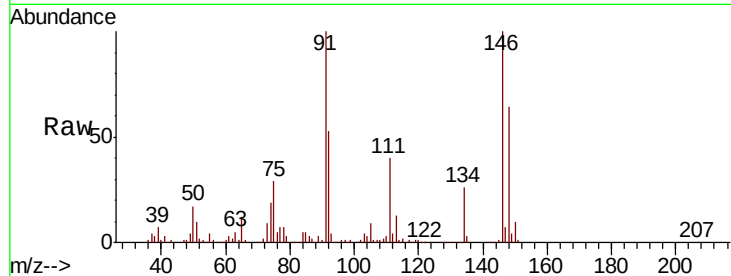
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	289753
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.6	61.8
148	64.3	31.5	94.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.028 ug/l

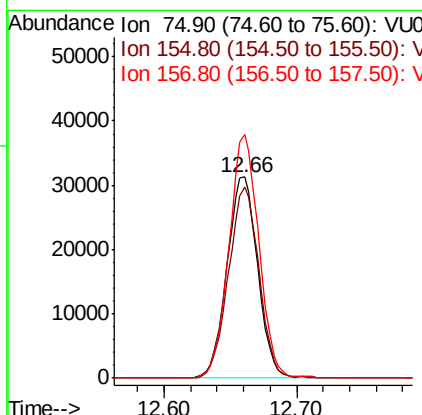
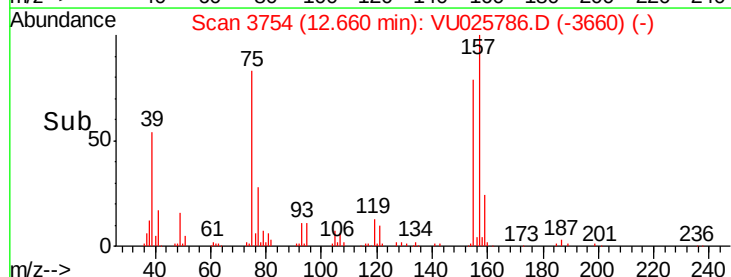
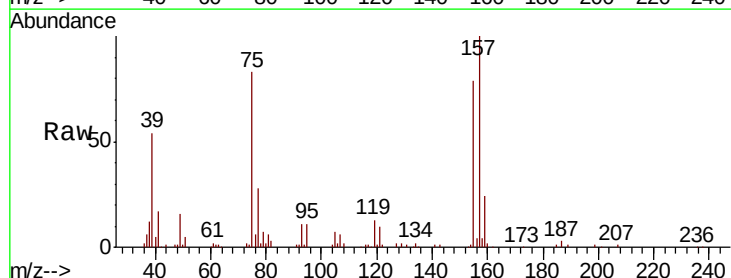
RT: 12.66 min Scan# 3754

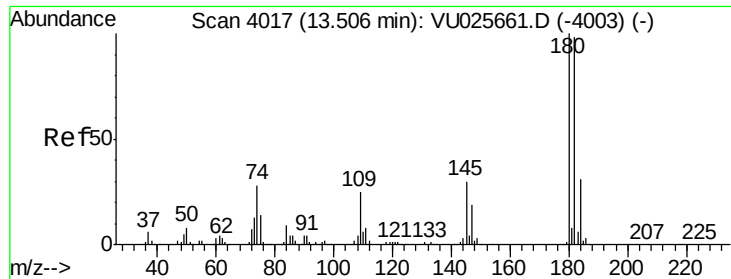
Delta R.T. 0.00 min

Lab File: VU025786.D

Acq: 01 Aug 2018 19:03

Tgt Ion:	75	Resp:	50254
Ion Ratio	Lower	Upper	
75	100		
155	94.2	44.5	133.3
157	117.9	57.0	170.8





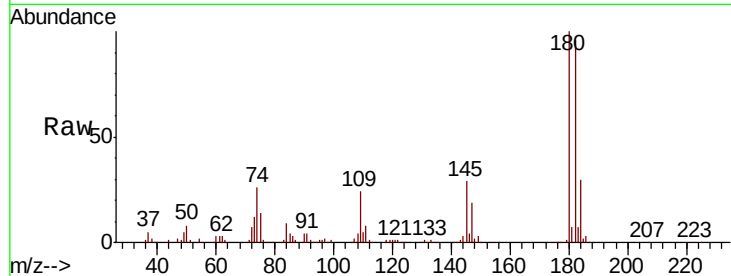
#93
 1,2,4-Trichlorobenzene
 Concen: 51.656 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

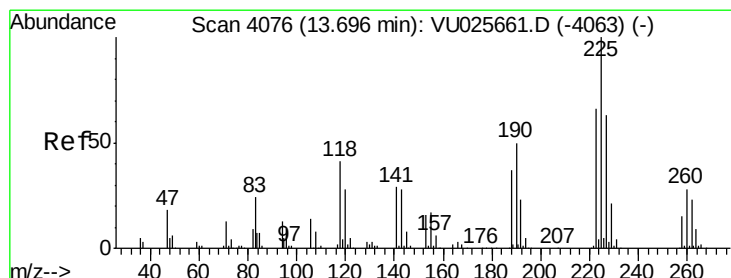
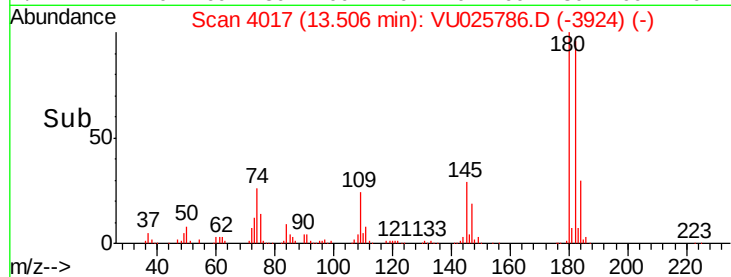
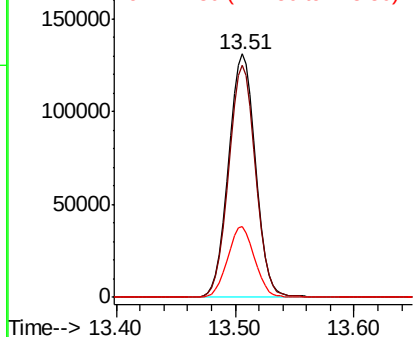
Tot Ion:	180	Resp:	206135
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	141.9
145	29.0	14.9	44.7

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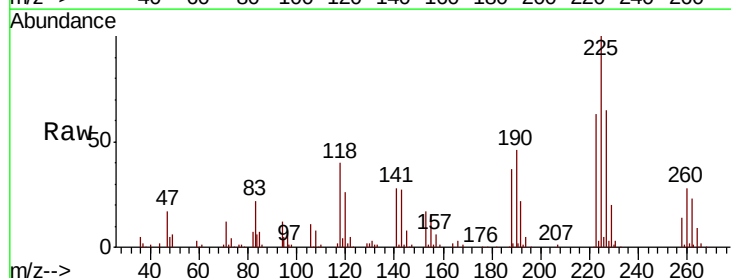


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

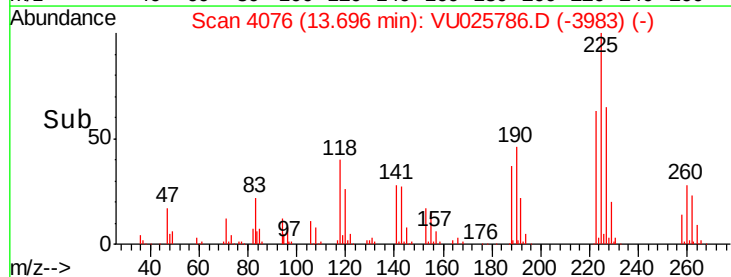
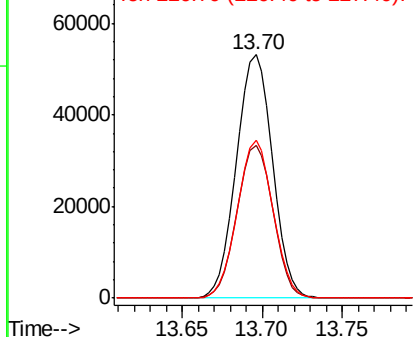


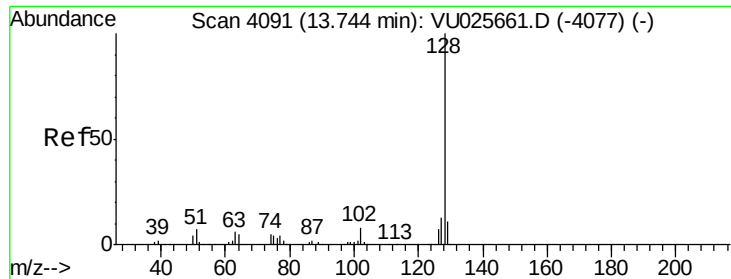
#94
 Hexachlorobutadiene
 Concen: 38.862 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025786.D
 Acq: 01 Aug 2018 19:03

Tgt Ion:	225	Resp:	81747
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.9	95.7
227	63.9	32.3	96.9



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





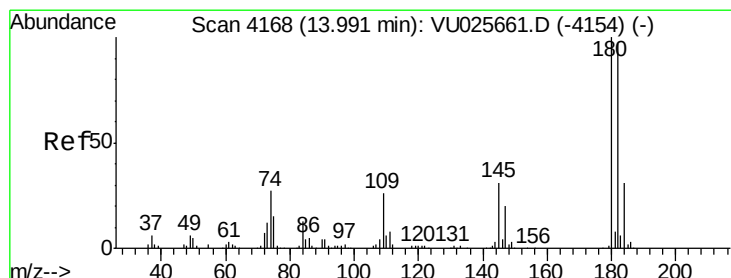
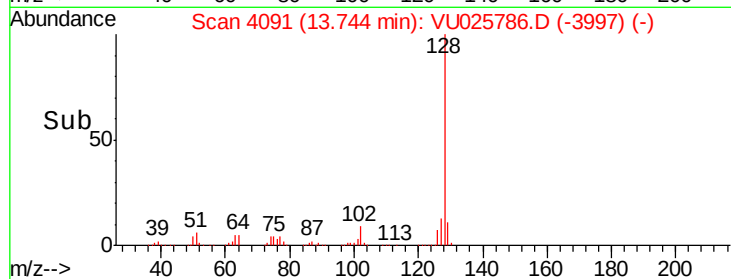
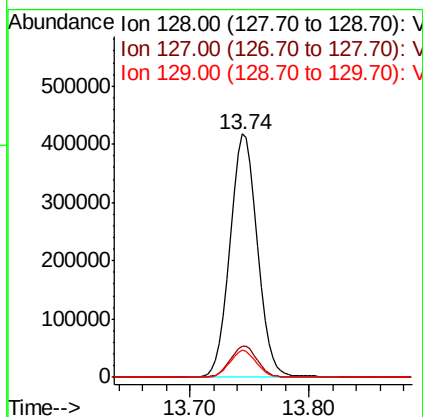
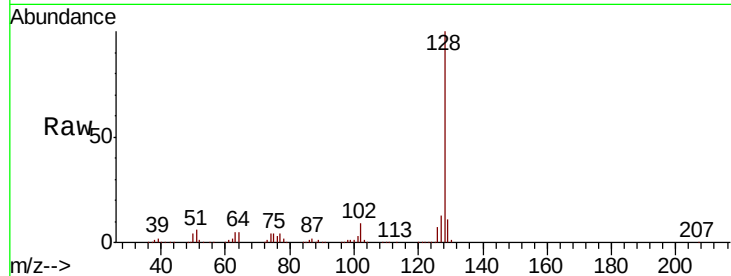
#95
Naphthalene
Concen: 52.136 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	668973
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.139 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025786.D
Acq: 01 Aug 2018 19:03

Tgt Ion:	180	Resp:	203572
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.8	143.3
145	32.2	15.6	46.8

