

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024555.D
 Acq On : 14 Jun 2018 21:08
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:43 PM

Quant Time: Jun 15 05:10:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274170	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159189	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	130515	46.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.14%	
35) Dibromofluoromethane	4.89	113	112236	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
50) Toluene-d8	7.57	98	414104	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.31	95	164777	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	95042	44.232	ug/l	99
3) Chloromethane	1.33	50	100512	45.786	ug/l	100
4) Vinyl Chloride	1.40	62	113138	49.974	ug/l	96
5) Bromomethane	1.62	94	62664	57.258	ug/l	98
6) Chloroethane	1.70	64	66840	52.897	ug/l	97
7) Trichlorofluoromethane	1.89	101	168171	48.675	ug/l	100
8) Diethyl Ether	2.10	74	64060	54.659	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	95653	44.626	ug/l	98
10) Methyl Iodide	2.41	142	85596	47.484	ug/l	98
11) Tert butyl alcohol	2.82	59	138014	202.487	ug/l	99
12) 1,1-Dichloroethene	2.28	96	94099	48.140	ug/l	89
13) Acrolein	2.19	56	75044	209.666	ug/l	98
14) Allyl chloride	2.60	41	160293	44.166	ug/l	94
15) Acrylonitrile	2.94	53	334062	251.910	ug/l	98
16) Acetone	2.32	43	267526	177.666	ug/l	96
17) Carbon Disulfide	2.48	76	292437	46.723	ug/l	100
18) Methyl Acetate	2.62	43	156196	48.387	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	348172	47.386	ug/l	96
20) Methylene Chloride	2.70	84	109537	46.361	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	104668	48.618	ug/l	92
22) Diisopropyl ether	3.57	45	349947	48.640	ug/l	97
23) Vinyl Acetate	3.53	43	1585285	245.977	ug/l	98
24) 1,1-Dichloroethane	3.45	63	197152	47.635	ug/l	99
25) 2-Butanone	4.26	43	471925	233.326	ug/l	96
26) 2,2-Dichloropropane	4.23	77	149527	38.047	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	122498	49.492	ug/l	94
28) Bromochloromethane	4.55	49	93947	51.534	ug/l	90
29) Tetrahydrofuran	4.64	42	308737	246.490	ug/l	96
30) Chloroform	4.68	83	200224	47.795	ug/l	100
31) Cyclohexane	5.00	56	182065	49.517	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	179328	46.292	ug/l	96
36) 1,1-Dichloropropene	5.14	75	149904	46.529	ug/l	97
37) Ethyl Acetate	4.38	43	178798	50.919	ug/l #	96
38) Carbon Tetrachloride	5.14	117	163978	46.285	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182434	45.377	ug/l	96
40) Benzene	5.39	78	440754	48.012	ug/l	100
41) Methacrylonitrile	4.54	41	98969	52.275	ug/l	99
42) 1,2-Dichloroethane	5.41	62	159592	45.645	ug/l	97
43) Isopropyl Acetate	5.55	43	289974	47.774	ug/l	97
44) Trichloroethene	6.19	130	122434	46.862	ug/l	95
45) 1,2-Dichloropropane	6.44	63	119544	48.804	ug/l	95
46) Dibromomethane	6.56	93	83692	48.643	ug/l	94
47) Bromodichloromethane	6.76	83	160872	46.955	ug/l	99
48) Methyl methacrylate	6.63	41	140517	47.543	ug/l	97
49) 1,4-Dioxane	6.61	88	48853	845.210	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	939427	246.357	ug/l	98
52) Toluene	7.64	92	285214	48.291	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	182452	47.421	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	189206	46.151	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	116189	48.396	ug/l	99
56) Ethyl methacrylate	8.02	69	194750	48.466	ug/l	99
57) 1,3-Dichloropropane	8.25	76	197719	48.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	389699	253.145	ug/l	97
59) 2-Hexanone	8.36	43	745067	239.327	ug/l	99
60) Dibromochloromethane	8.48	129	139305	46.531	ug/l	98
61) 1,2-Dibromoethane	8.59	107	130388	48.795	ug/l	100
64) Tetrachloroethene	8.23	164	110164	44.036	ug/l	99
65) Chlorobenzene	9.12	112	324554	48.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	121305	47.490	ug/l	99
67) Ethyl Benzene	9.25	91	558577	47.391	ug/l	99
68) m/p-Xylenes	9.38	106	432901	95.647	ug/l	97
69) o-Xylene	9.78	106	210864	47.076	ug/l	97
70) Styrene	9.80	104	356450	48.425	ug/l	99
71) Bromoform	9.96	173	115036	47.381	ug/l #	99
73) Isopropylbenzene	10.17	105	562087	45.990	ug/l	98
74) N-amyl acetate	10.01	43	281575	48.436	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	198500	48.467	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	171813m	49.023	ug/l	
77) Bromobenzene	10.45	156	146626	47.388	ug/l	96
78) n-propylbenzene	10.59	91	672544	46.713	ug/l	97
79) 2-Chlorotoluene	10.66	91	392168	46.190	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	487039	45.976	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	65220m	43.069	ug/l	
82) 4-Chlorotoluene	10.78	91	462134	46.766	ug/l	98
83) tert-Butylbenzene	11.10	119	478460	46.954	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	496970	46.035	ug/l	99
85) sec-Butylbenzene	11.33	105	592095	46.420	ug/l	98
86) p-Isopropyltoluene	11.48	119	529195	46.325	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	272110	47.601	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	272471	47.357	ug/l	99
89) n-Butylbenzene	11.89	91	483566	47.679	ug/l	97
90) Hexachloroethane	12.15	117	100962	45.305	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	270927	47.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51521	45.590	ug/l	89

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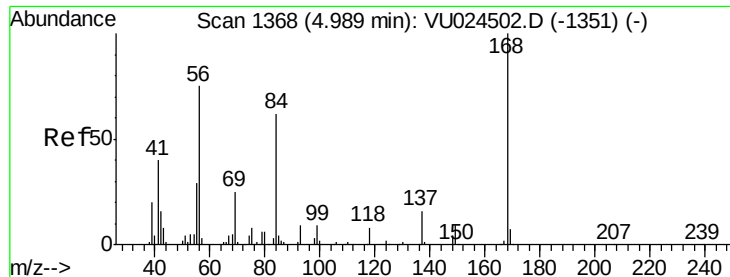
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	191388	54.129	ug/l	100
94) Hexachlorobutadiene	13.70	225	90933	45.692	ug/l	99
95) Naphthalene	13.74	128	603978	51.577	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	194861	55.308	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 171667

Ion Ratio Lower Upper

168 100

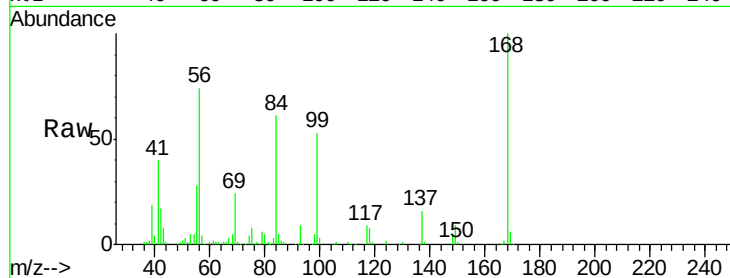
99 52.5 43.2 64.8

Manual Integrations

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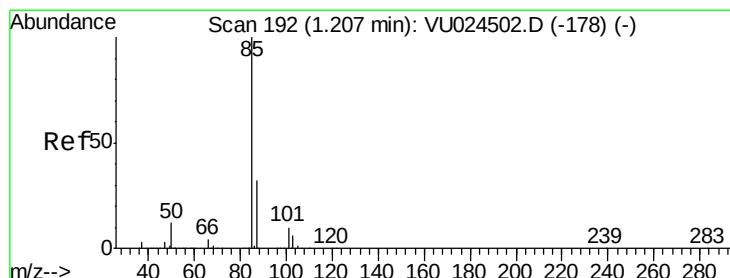
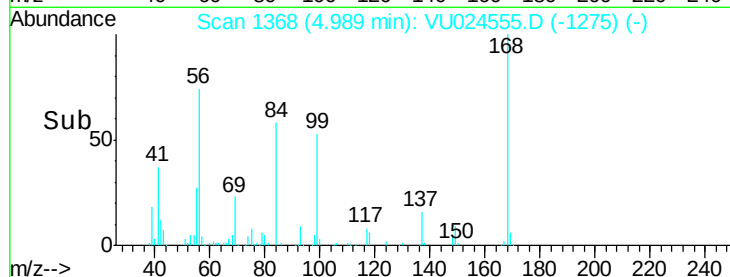
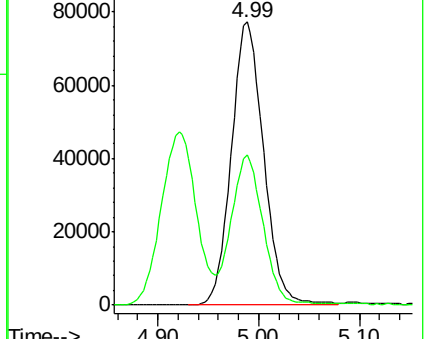
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 44.232 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024555.D

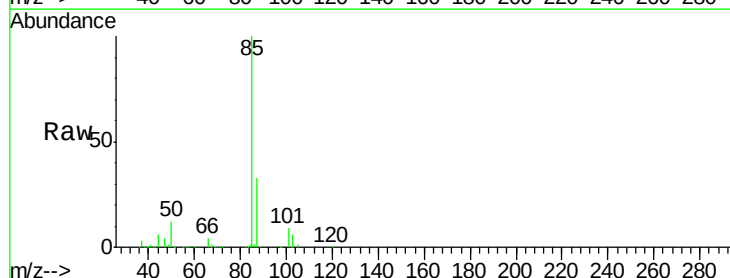
Acq: 14 Jun 2018 21:08

Tgt Ion: 85 Resp: 95042

Ion Ratio Lower Upper

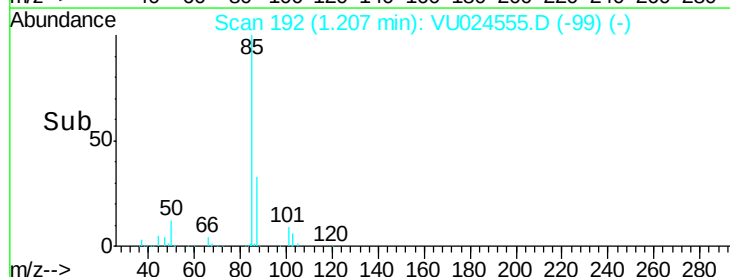
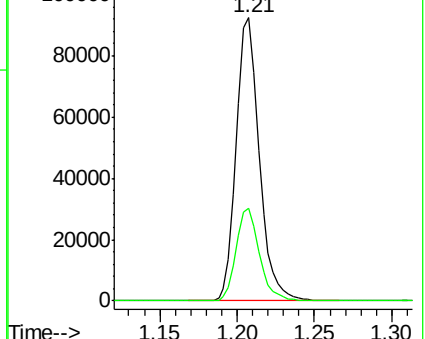
85 100

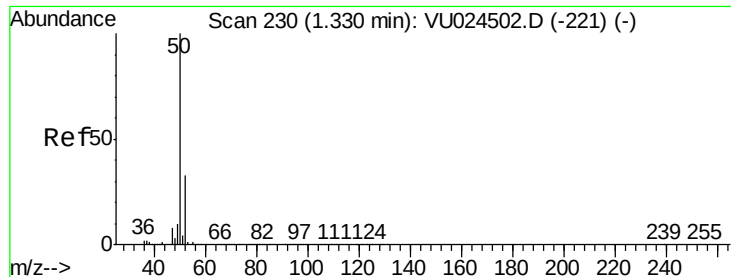
87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 45.786 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100512

Ion Ratio Lower Upper

50 100

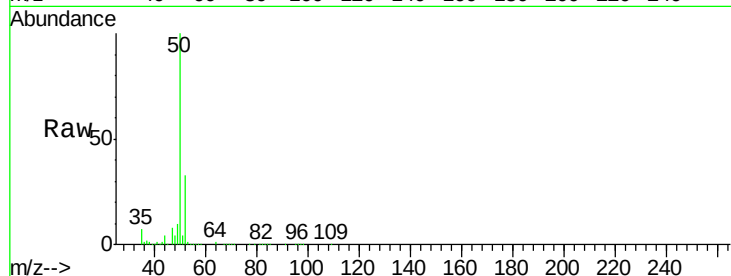
52 32.9 26.4 39.6

Manual Integrations

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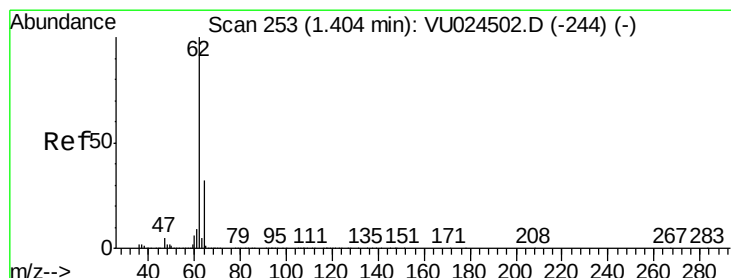
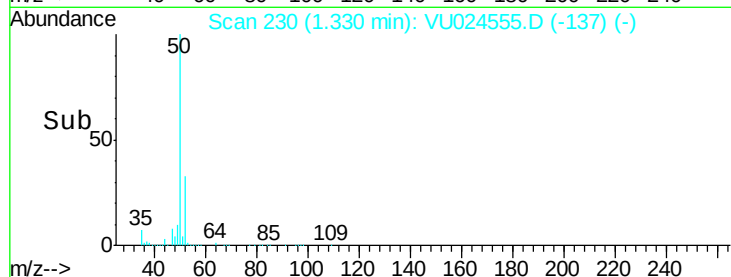
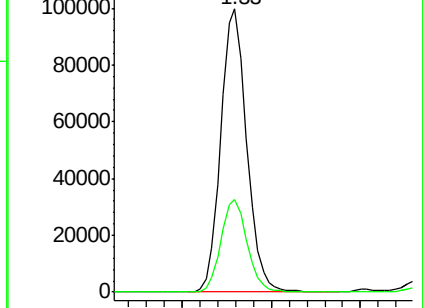
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 49.974 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024555.D

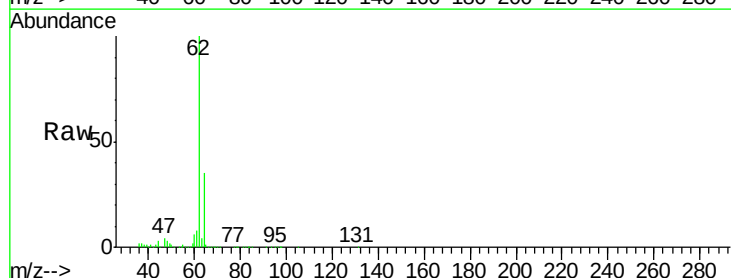
Acq: 14 Jun 2018 21:08

Tgt Ion: 62 Resp: 113138

Ion Ratio Lower Upper

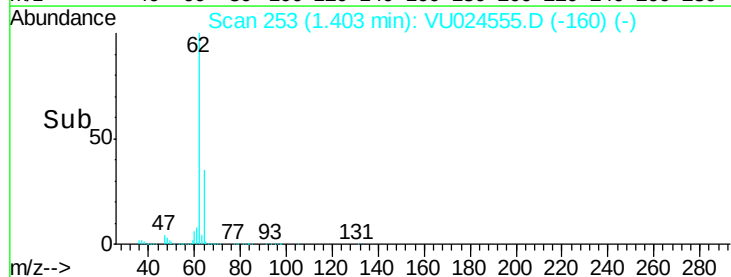
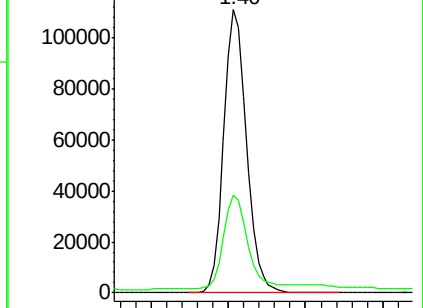
62 100

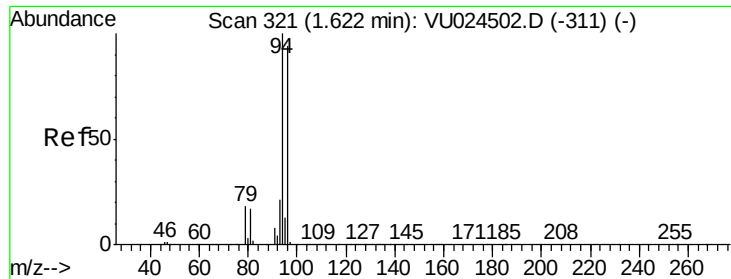
64 33.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 57.258 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 62664

Ion Ratio Lower Upper

94 100

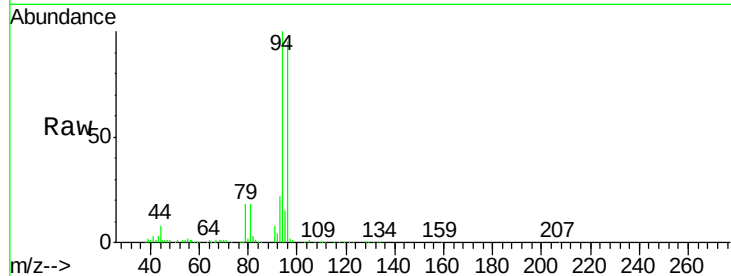
96 95.0 74.5 111.7

Manual Integrations

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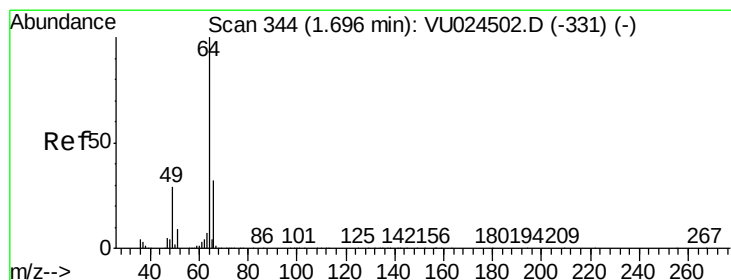
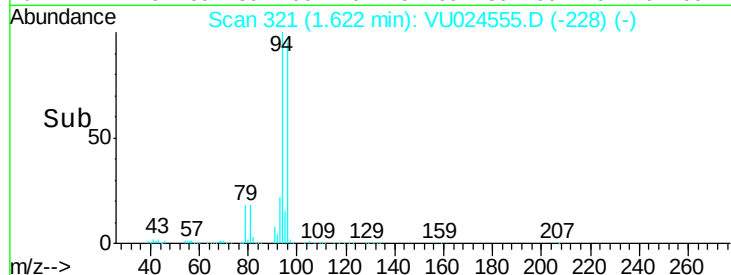
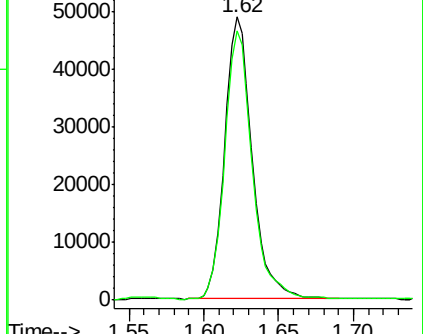
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 52.897 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024555.D

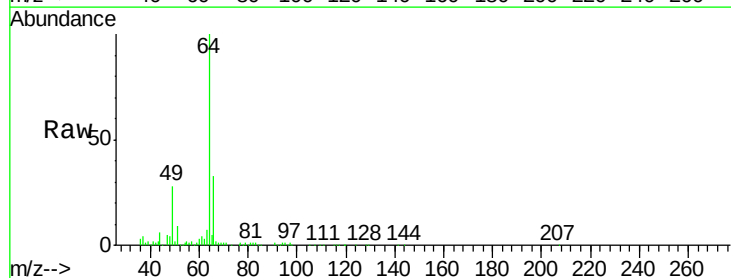
Acq: 14 Jun 2018 21:08

Tgt Ion: 64 Resp: 66840

Ion Ratio Lower Upper

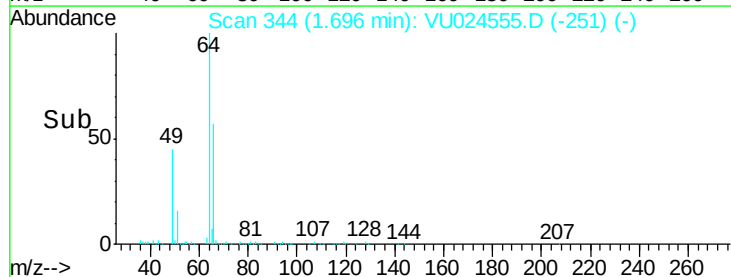
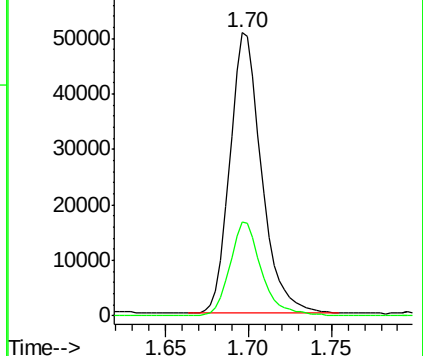
64 100

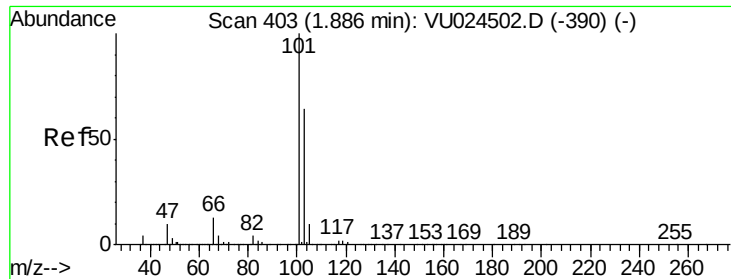
66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

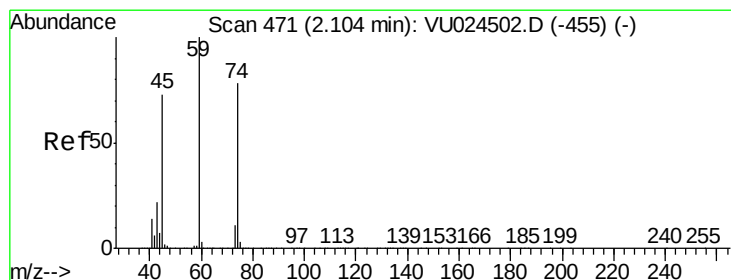
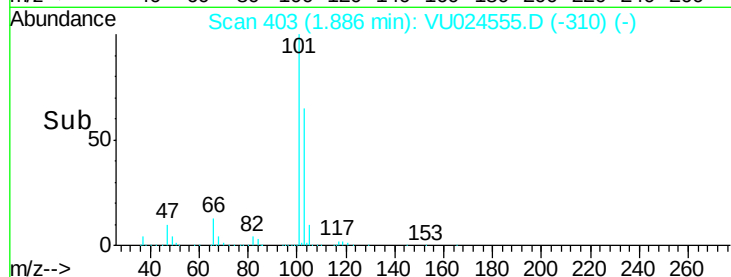
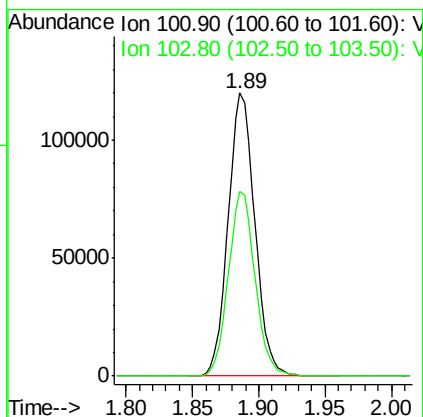
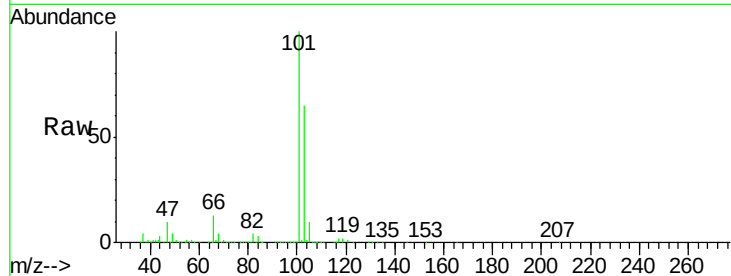
Trichlorofluoromethane
Concen: 48.675 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

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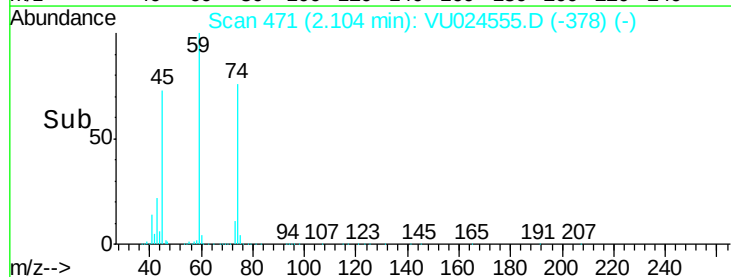
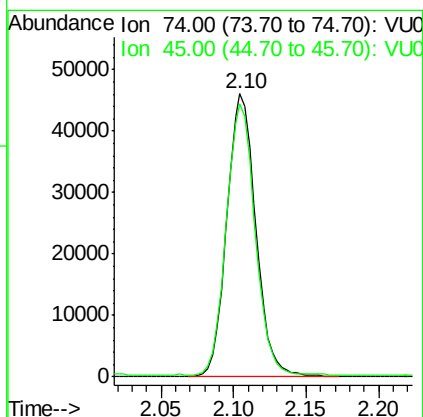
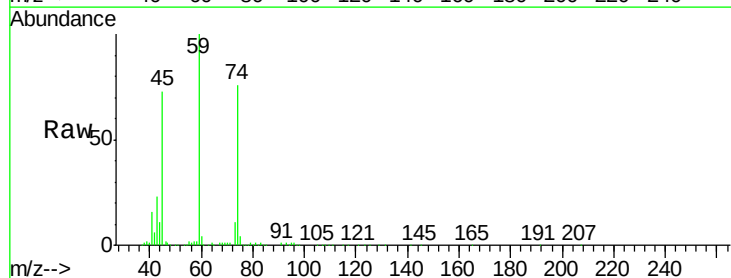
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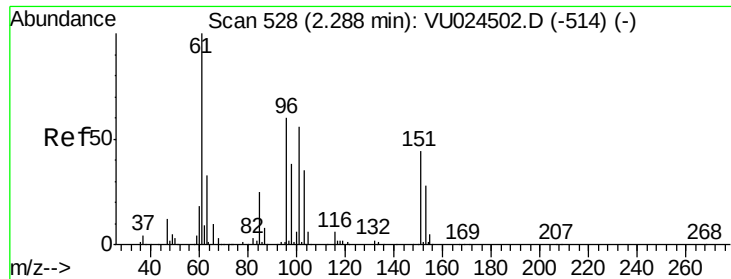


#8

Diethyl Ether
Concen: 54.659 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.626 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

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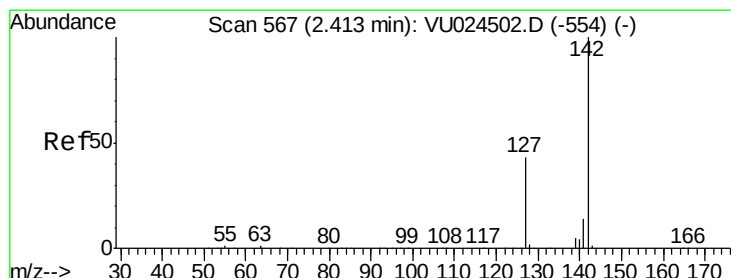
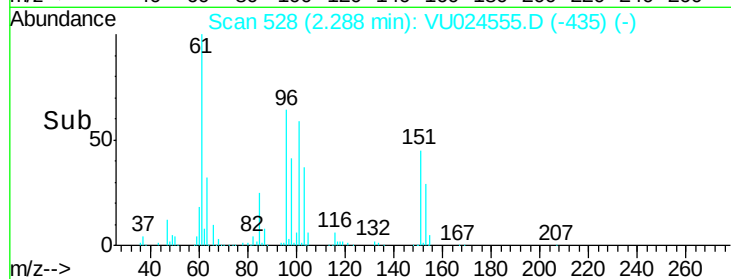
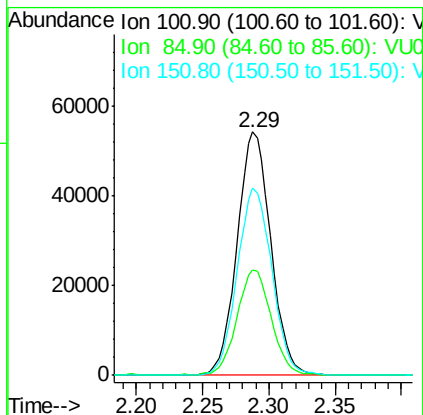
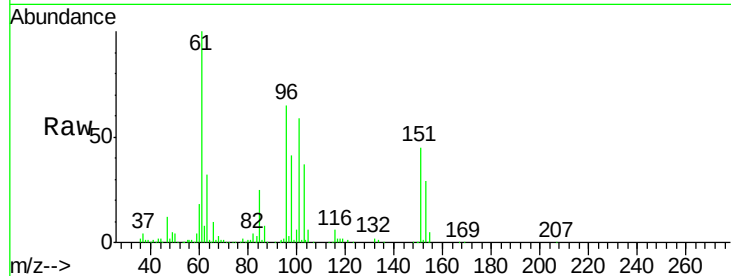
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	95653
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	79.6	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 47.484 ug/l

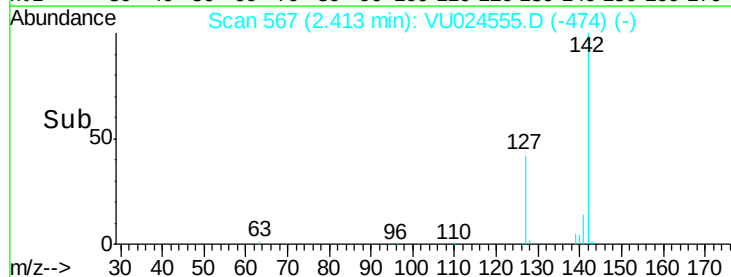
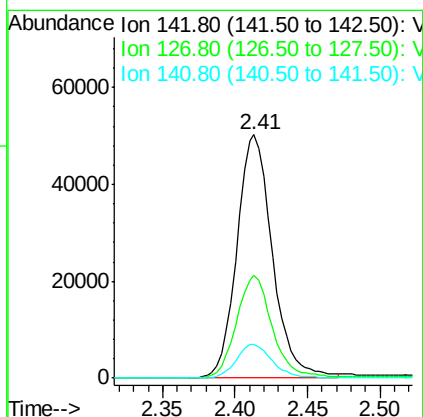
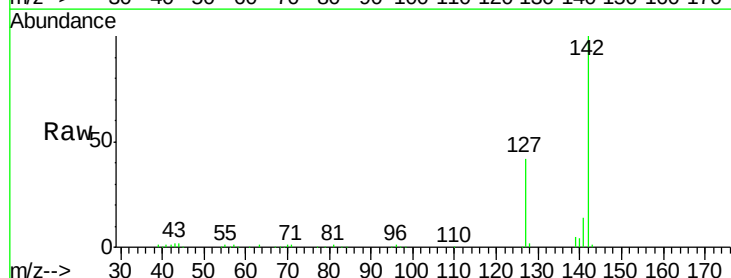
RT: 2.41 min Scan# 567

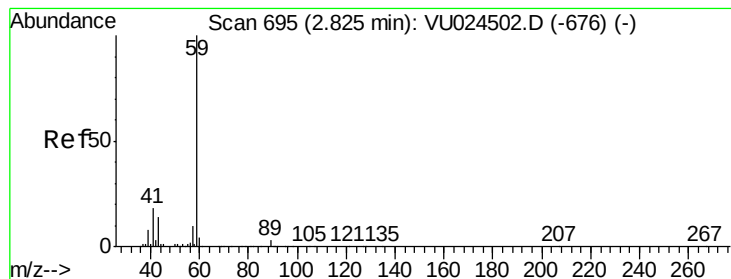
Delta R.T. 0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Tgt Ion:	142	Resp:	85596
Ion Ratio	Lower	Upper	
142	100		
127	42.6	35.6	53.4
141	14.3	11.7	17.5





#11

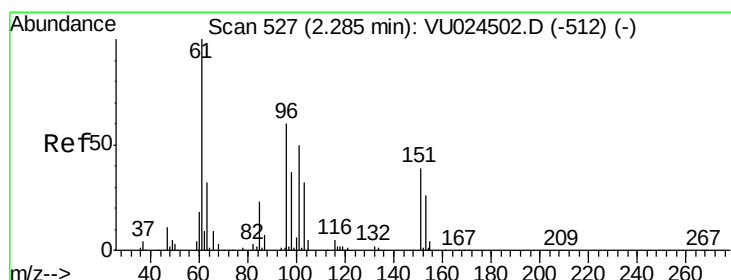
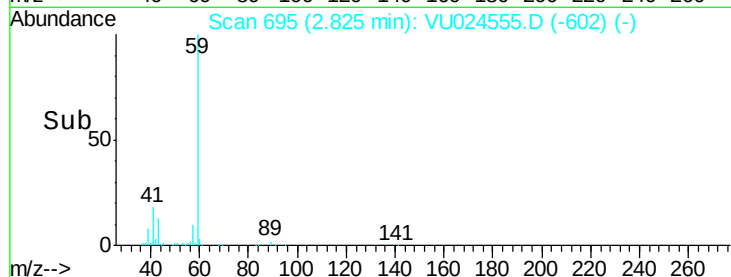
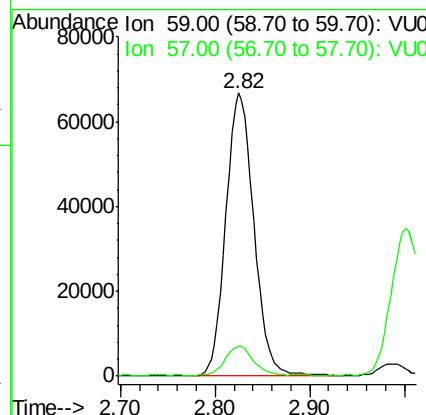
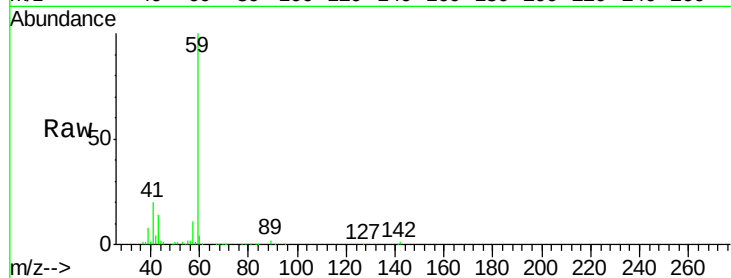
Tert butyl alcohol
Concen: 202.487 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.3	8.5	12.7

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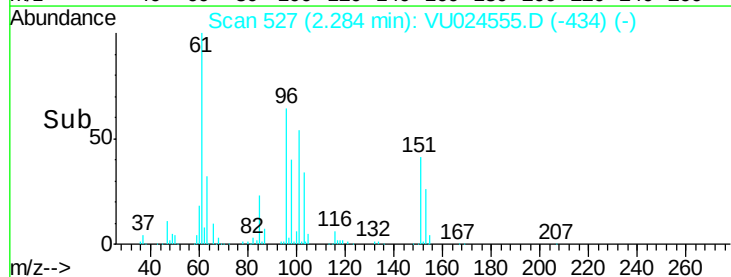
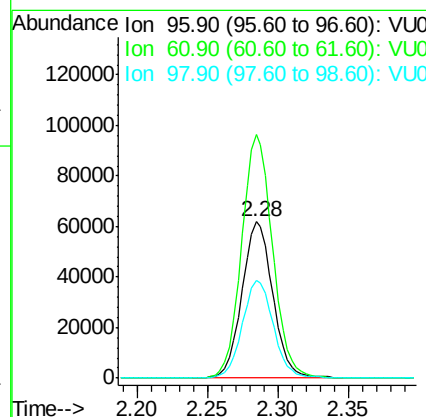
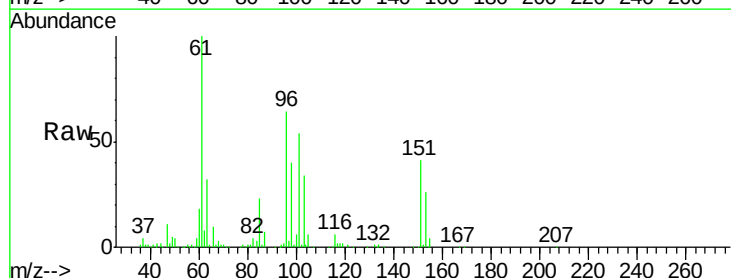
apatel
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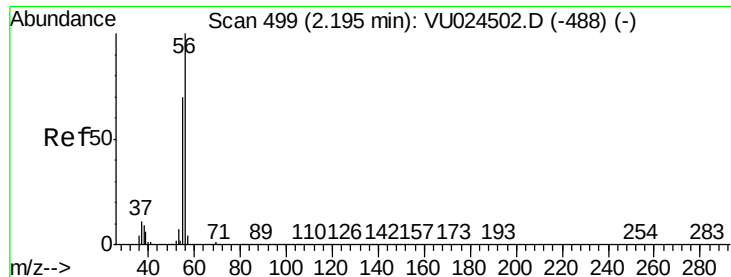


#12

1,1-Dichloroethene
Concen: 48.140 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	156.6	141.7	212.5
98	98	62.6	51.6	77.4





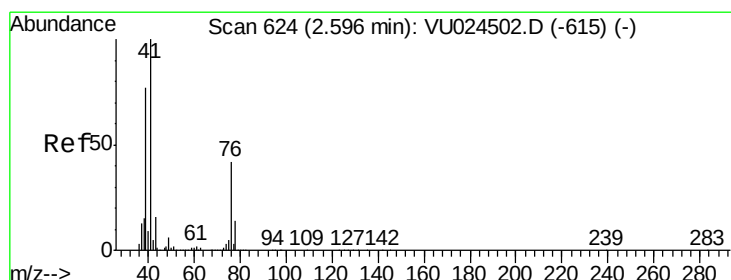
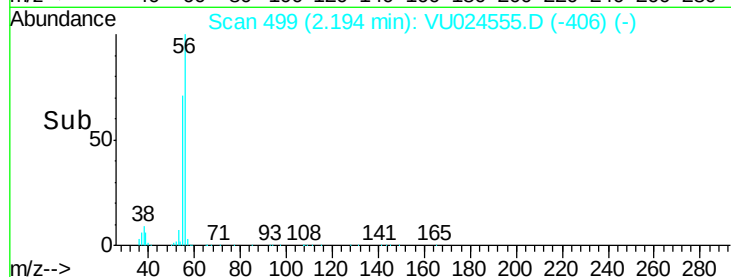
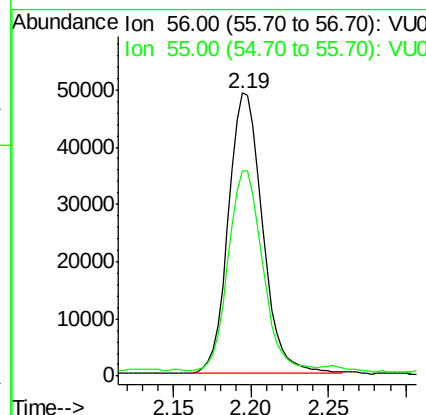
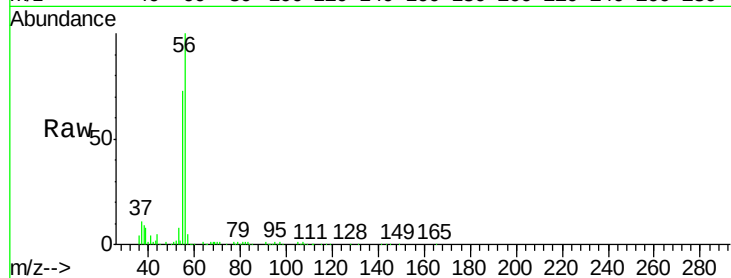
#13
Acrolein
Concen: 209.666 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	58.4	87.6

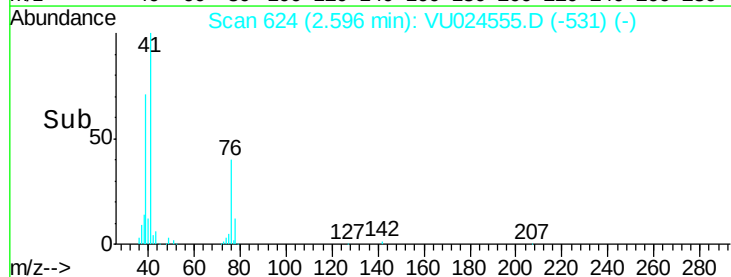
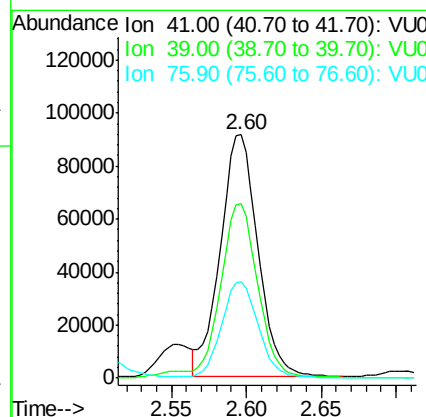
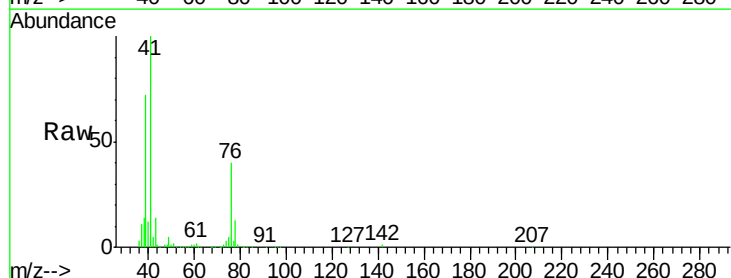
Manual Integrations
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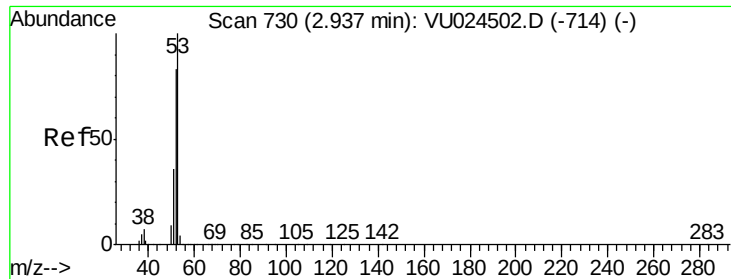
apatel
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#14
Allyl chloride
Concen: 44.166 ug/l
RT: 2.60 min Scan# 624
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.1	61.6	92.4
76	38.8	29.7	44.5





#15

Acrylonitrile

Concen: 251.910 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

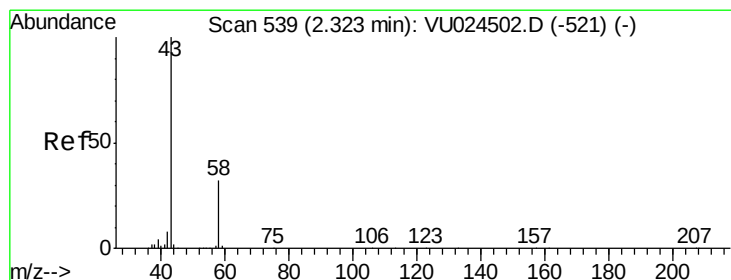
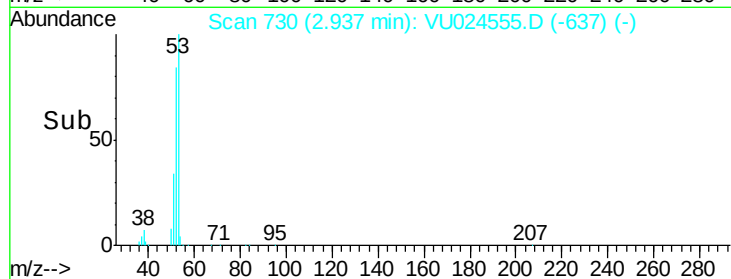
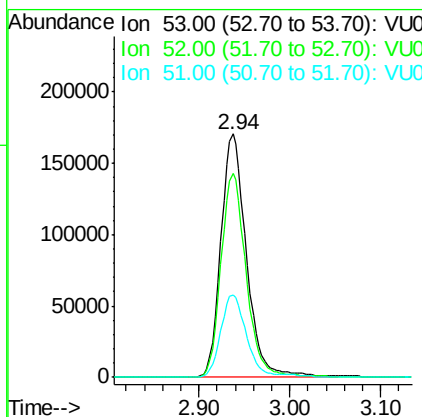
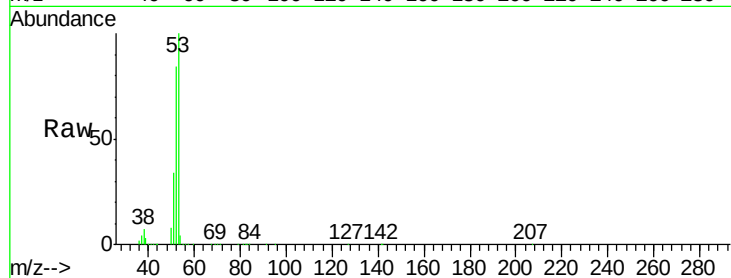
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	334062
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.1	100.7
51	35.0	28.4	42.6

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#16

Acetone

Concen: 177.666 ug/l

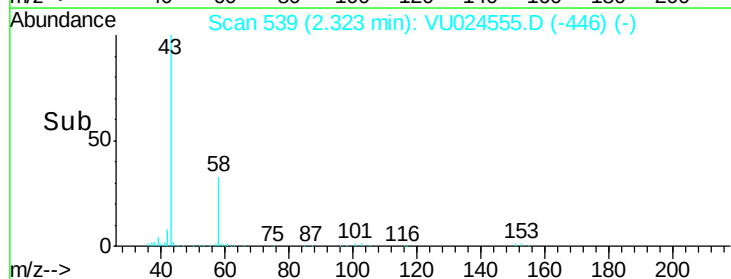
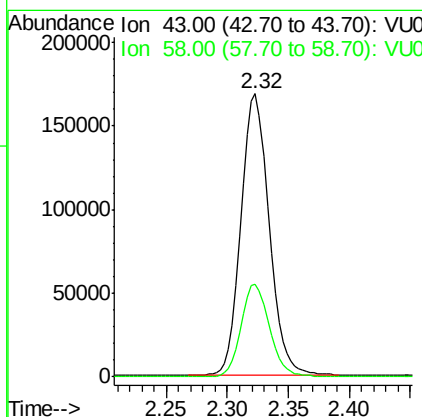
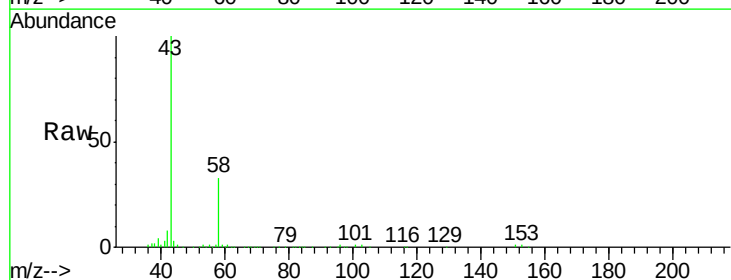
RT: 2.32 min Scan# 539

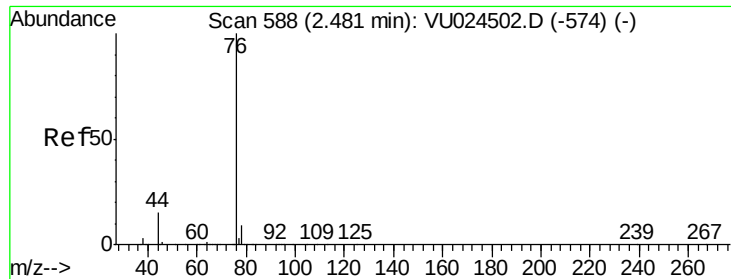
Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Tgt Ion:	43	Resp:	267526
Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.4	36.6





#17

Carbon Disulfide

Concen: 46.723 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 292437

Ion Ratio Lower Upper

76 100

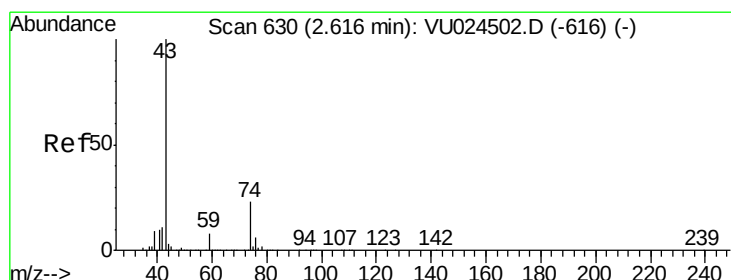
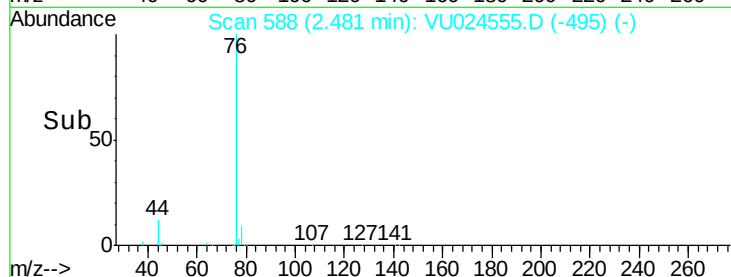
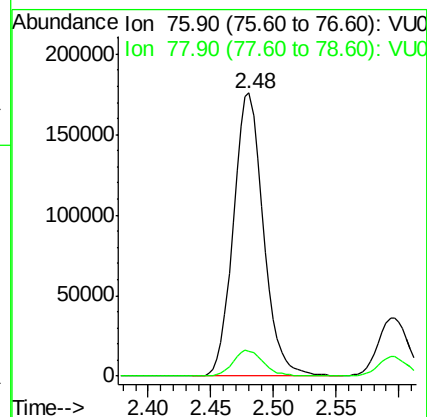
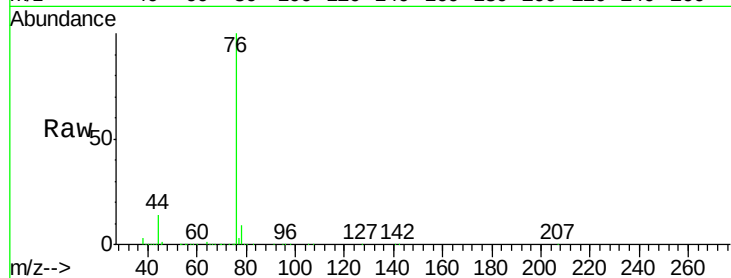
78 9.0 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 48.387 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024555.D

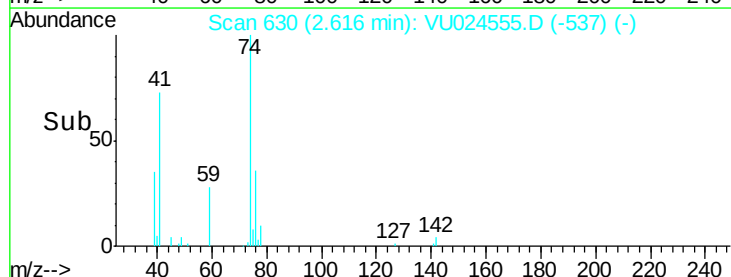
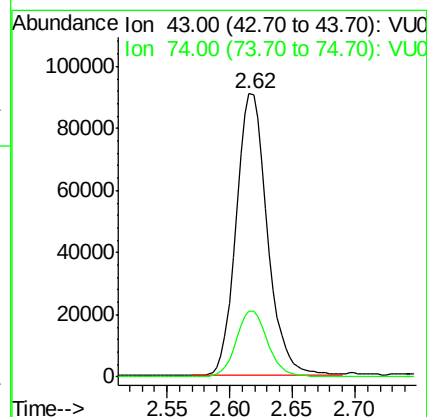
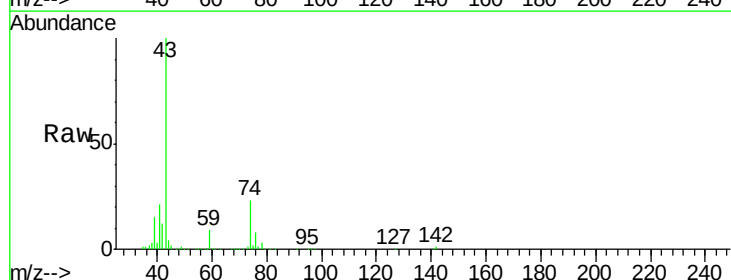
Acq: 14 Jun 2018 21:08

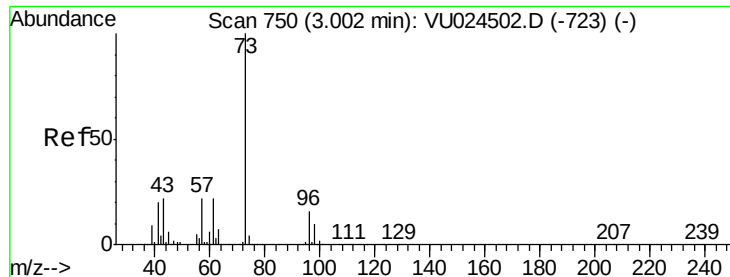
Tgt Ion: 43 Resp: 156196

Ion Ratio Lower Upper

43 100

74 24.0 18.0 27.0





#19

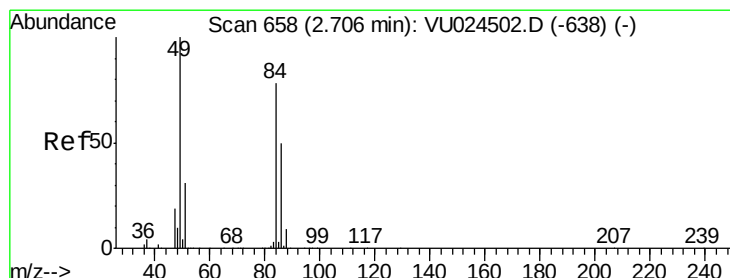
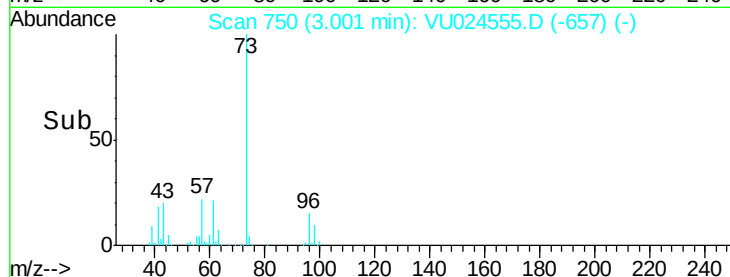
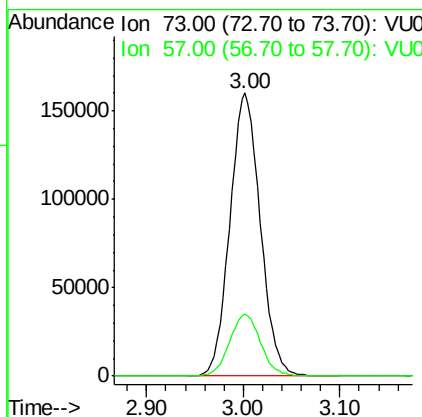
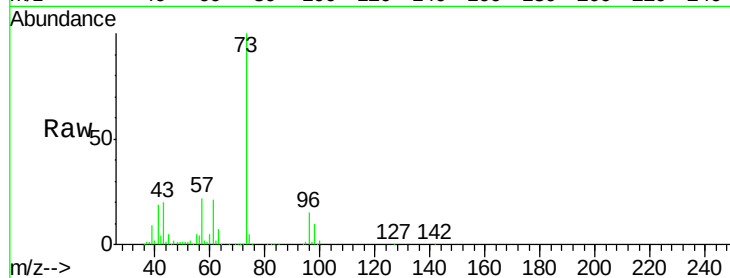
Methyl tert-butyl Ether
 Concen: 47.386 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.8	28.2

Manual Integrations
 APPROVED

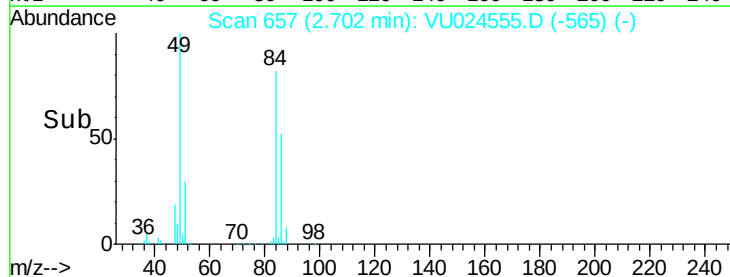
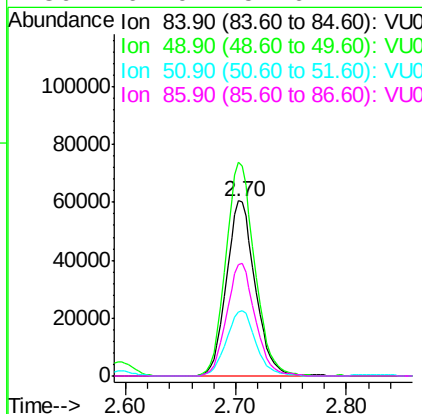
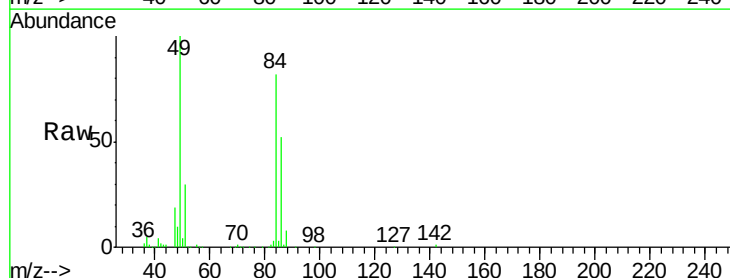
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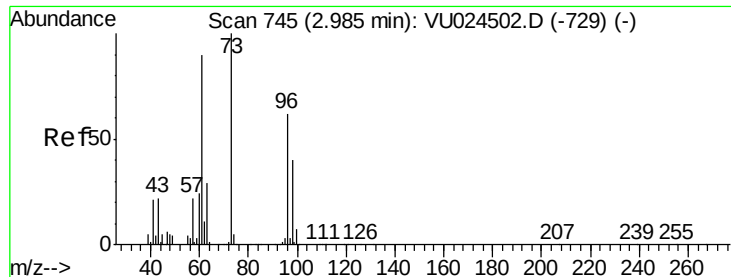


#20

Methylene Chloride
 Concen: 46.361 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	103.8	155.8
51	37.0	32.0	48.0
86	64.0	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 48.618 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

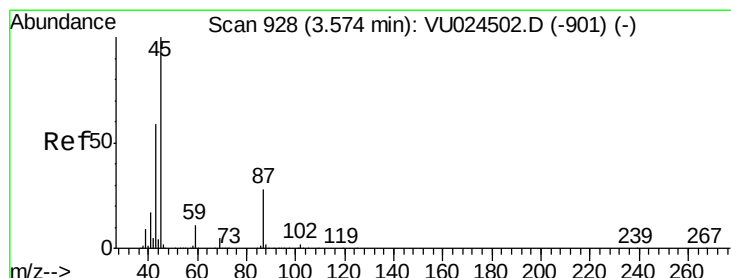
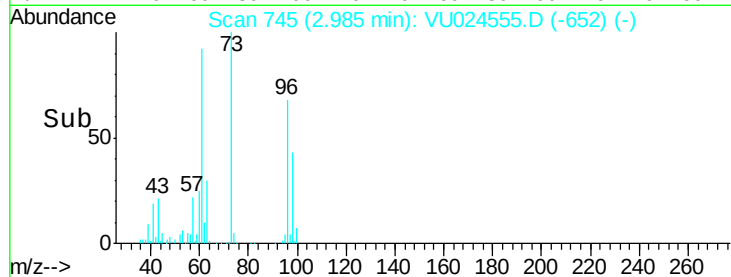
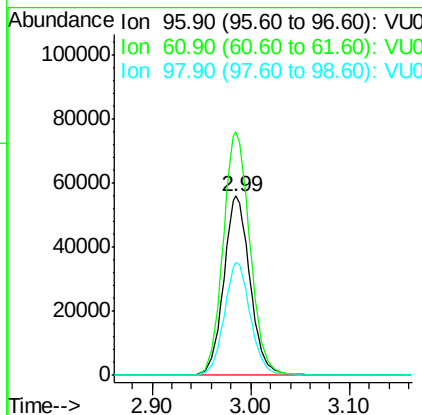
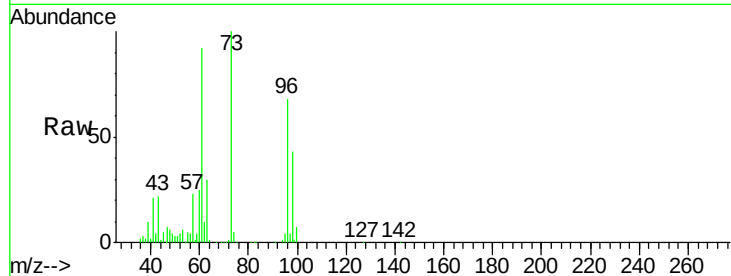
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	104668
Ion	Ratio	Lower	Upper
96	100		
61	135.9	119.4	179.0
98	63.1	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.640 ug/l

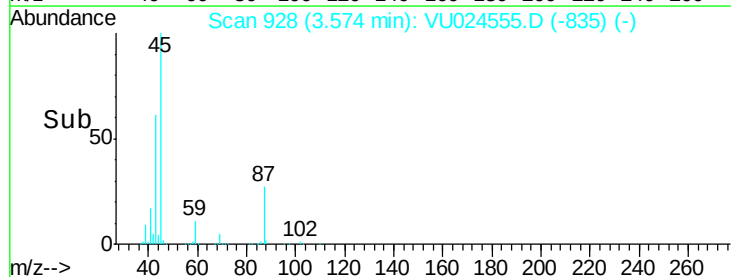
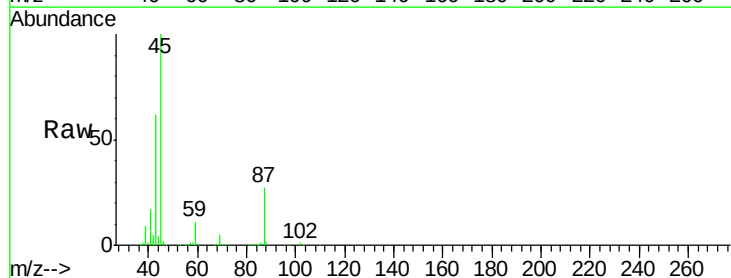
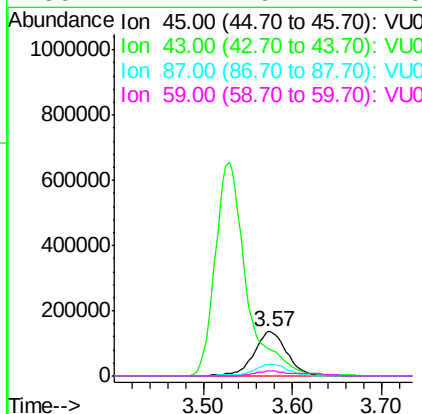
RT: 3.57 min Scan# 928

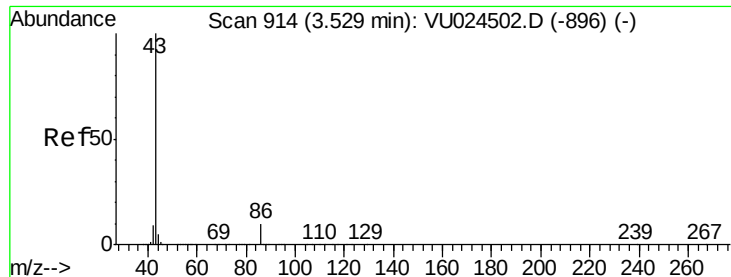
Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Tgt Ion:	45	Resp:	349947
Ion	Ratio	Lower	Upper
45	100		
43	60.8	45.8	68.6
87	26.4	20.6	31.0
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 245.977 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1585285

Ion Ratio Lower Upper

43 100

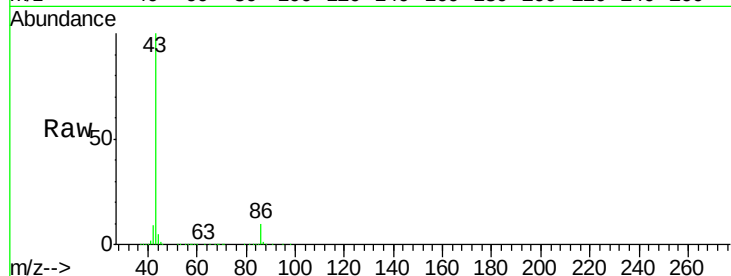
86 10.4 7.8 11.8

Manual Integrations

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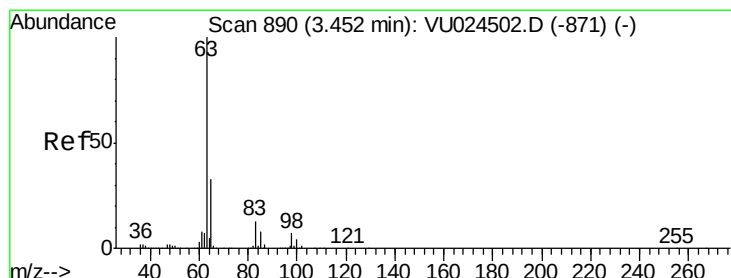
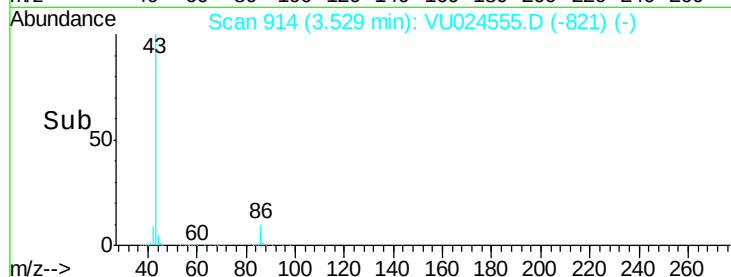
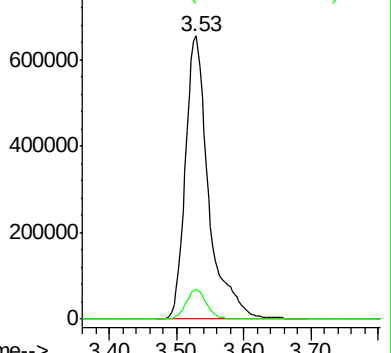
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 47.635 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

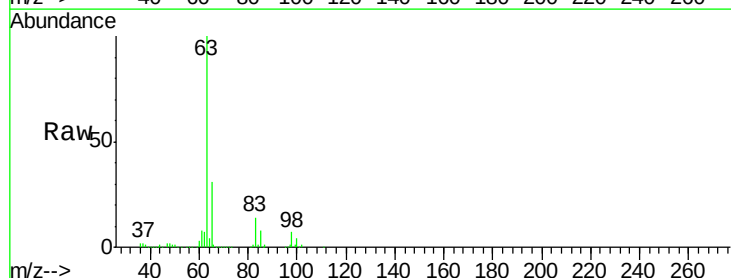
Tgt Ion: 63 Resp: 197152

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

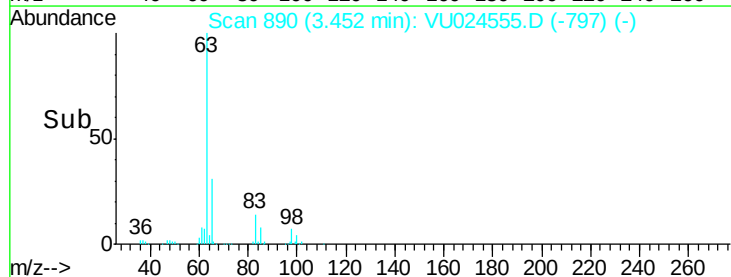
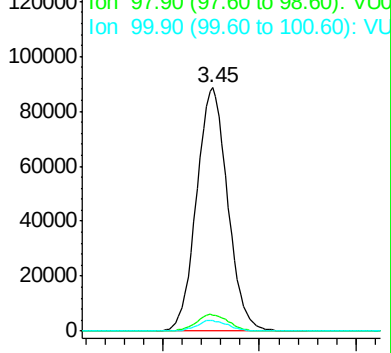
100 4.2 1.8 5.5

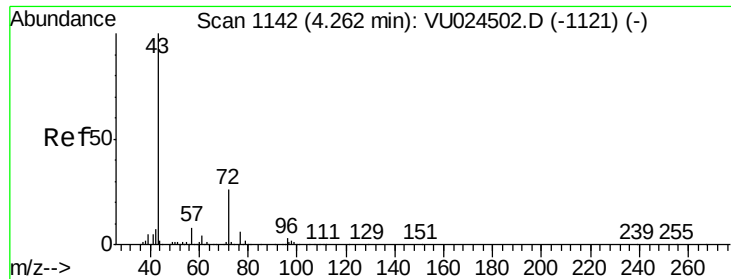


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





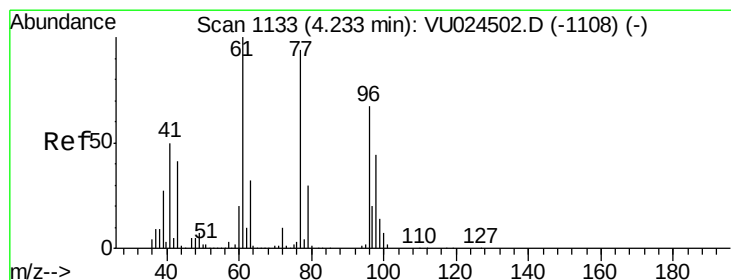
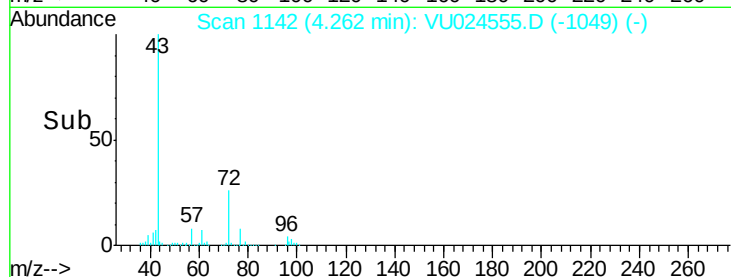
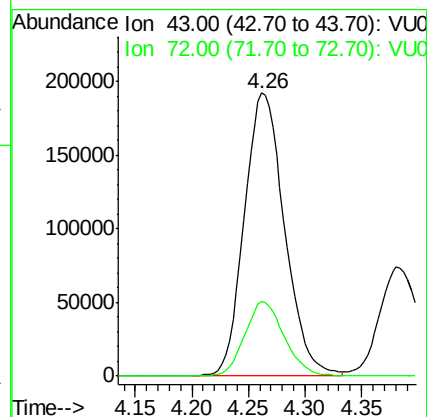
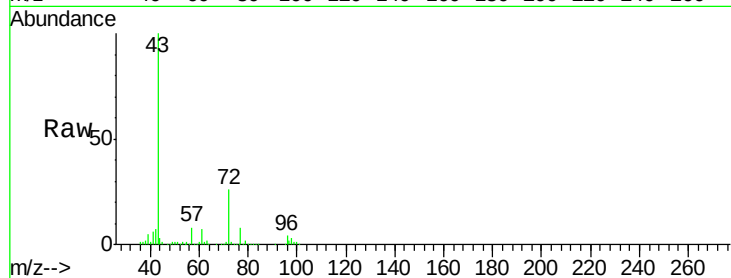
#25
2-Butanone
Concen: 233.326 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.3	19.6	29.4

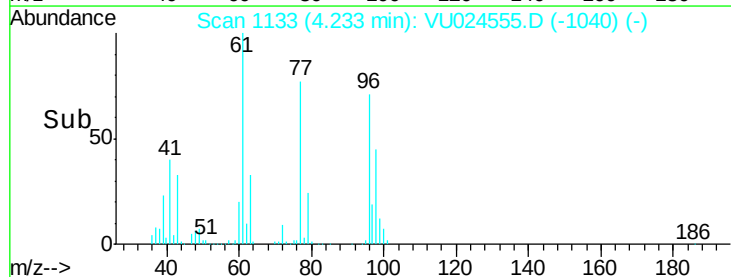
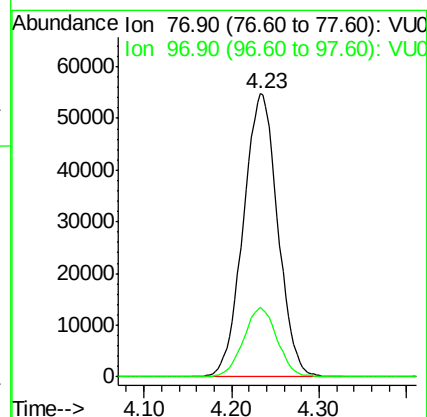
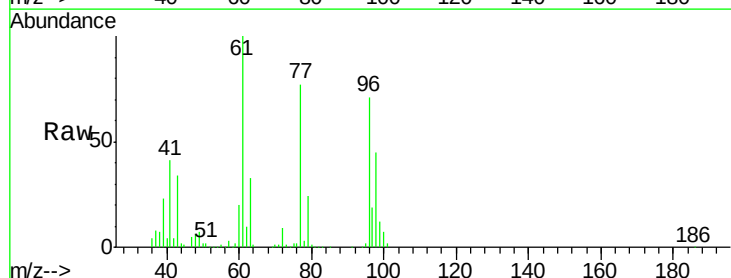
Manual Integrations
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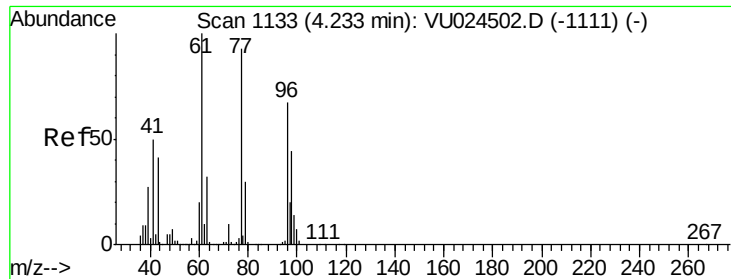
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#26
2,2-Dichloropropane
Concen: 38.047 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.3	33.8





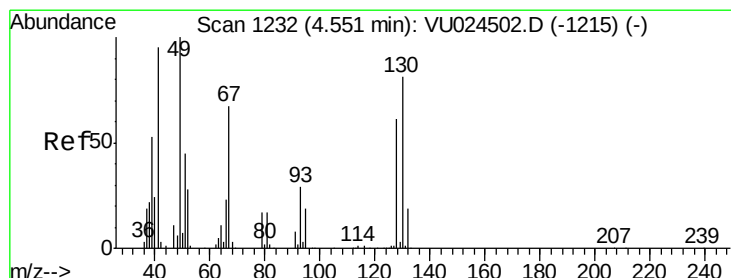
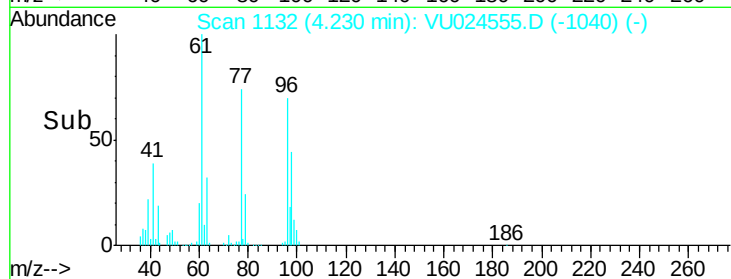
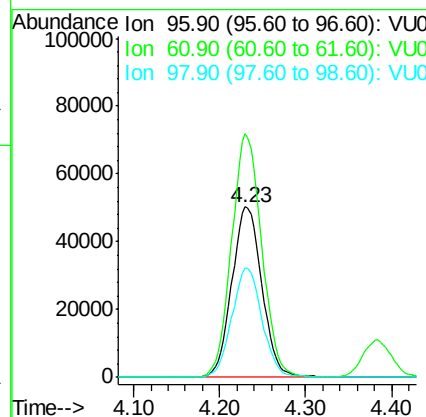
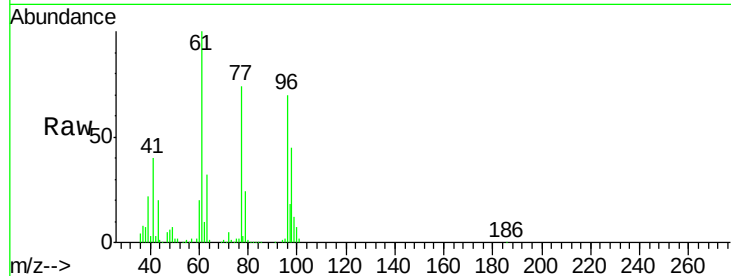
#27
 cis-1,2-Dichloroethene
 Concen: 49.492 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122498		
61	142.9	0.0	306.6	
98	64.3	0.0	128.8	

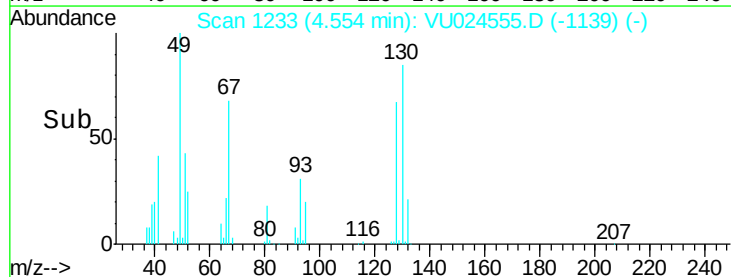
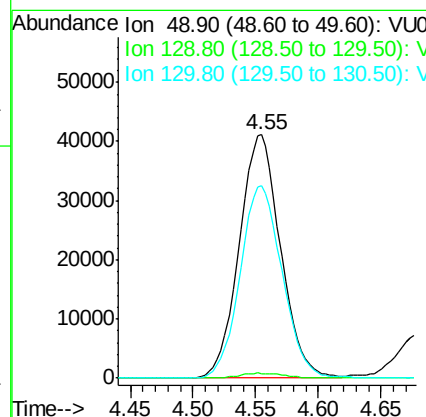
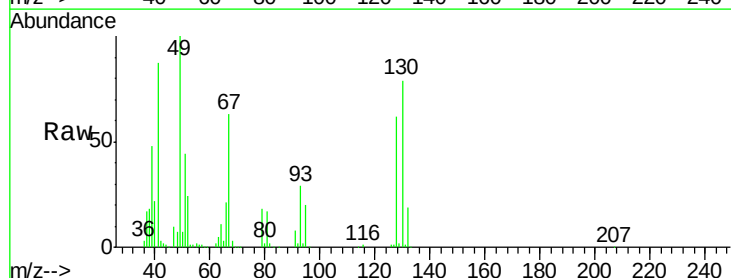
Manual Integrations
 APPROVED

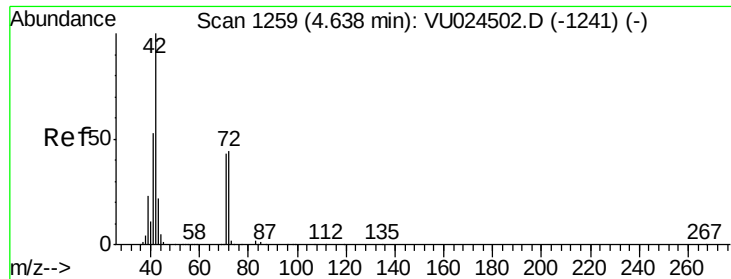
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#28
 Bromochloromethane
 Concen: 51.534 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	93947		
129	2.1	0.0	3.8	
130	80.6	57.8	86.6	





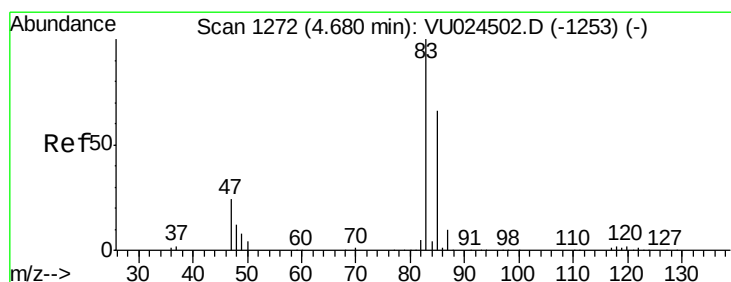
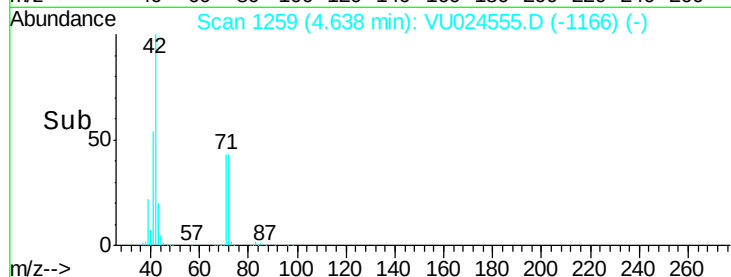
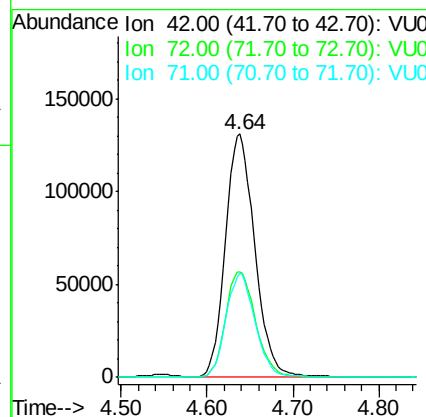
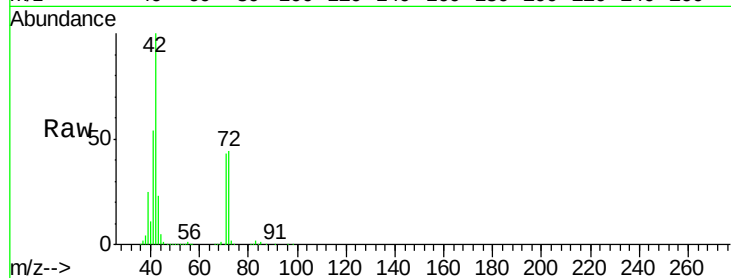
#29
Tetrahydrofuran
Concen: 246.490 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	34.5	51.7
71	42.8	32.2	48.4

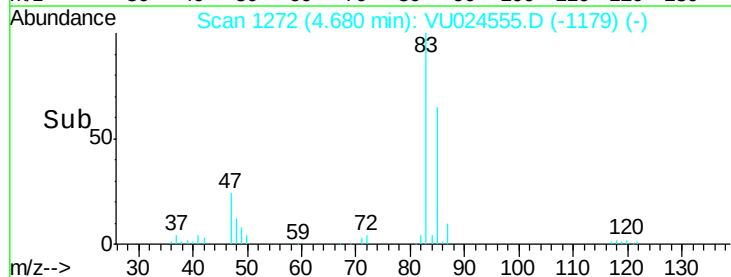
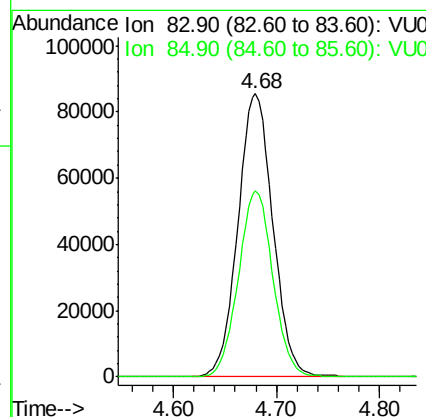
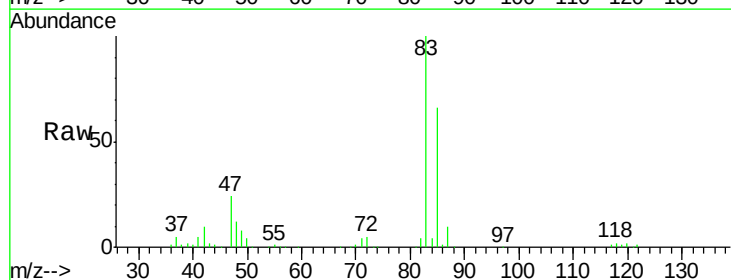
Manual Integrations
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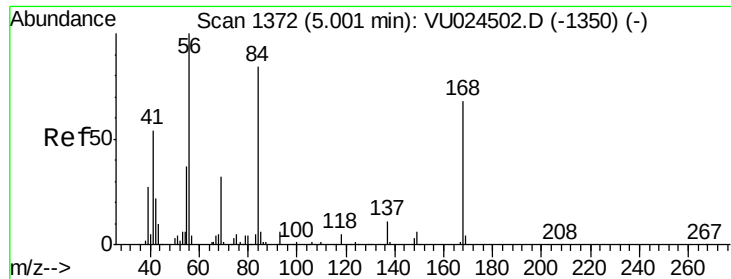
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#30
Chloroform
Concen: 47.795 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





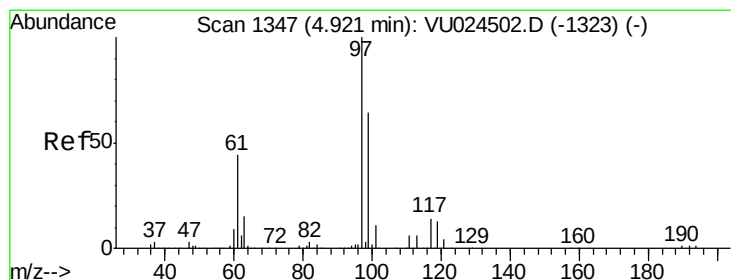
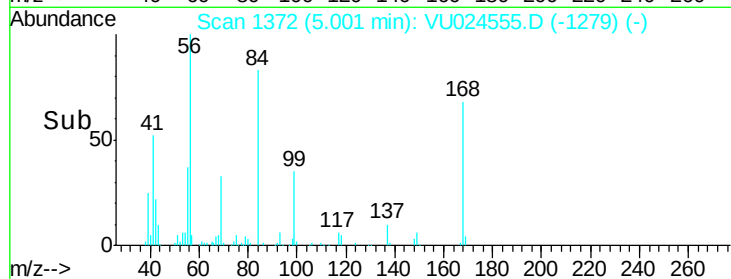
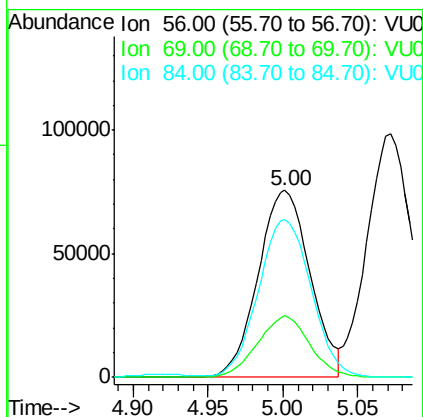
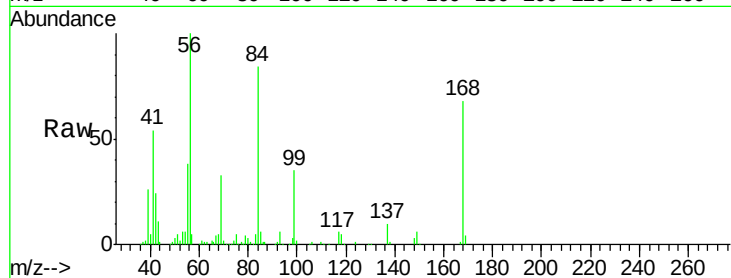
#31
Cyclohexane
Concen: 49.517 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.8	37.2
84	83.5	65.2	97.8

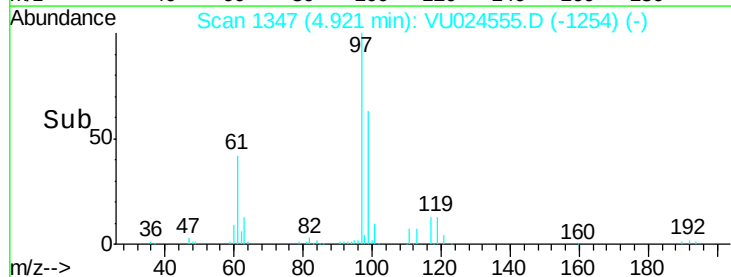
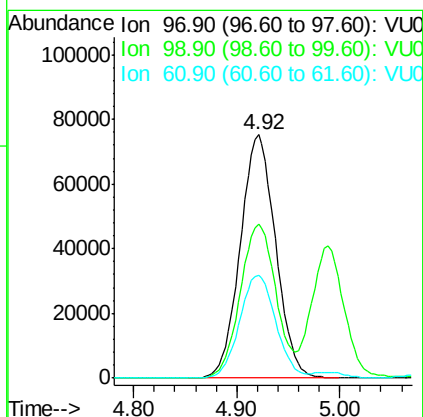
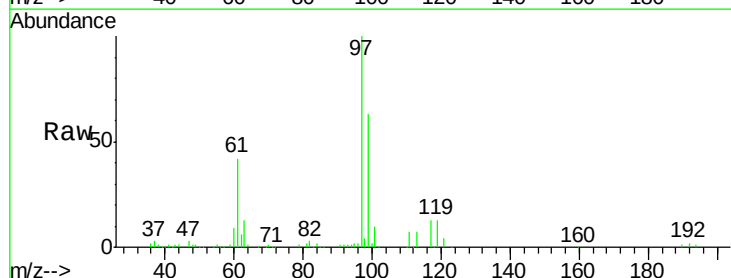
Manual Integrations
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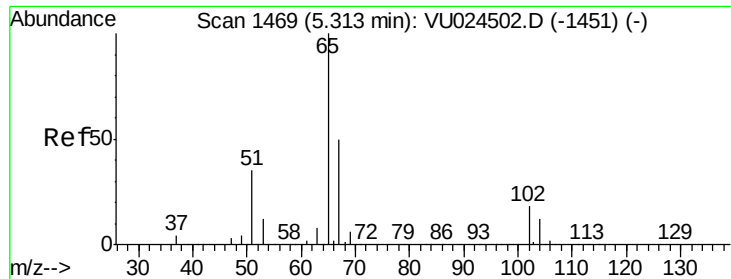
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#32
1,1,1-Trichloroethane
Concen: 46.292 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	43.4	39.4	59.0





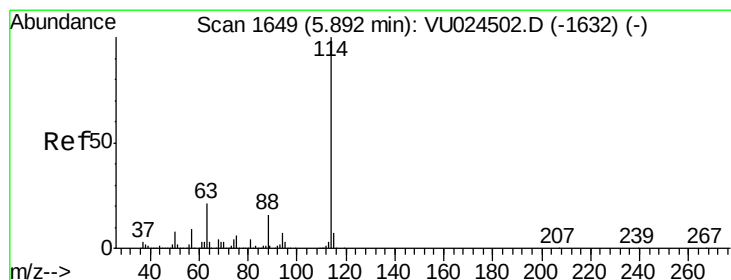
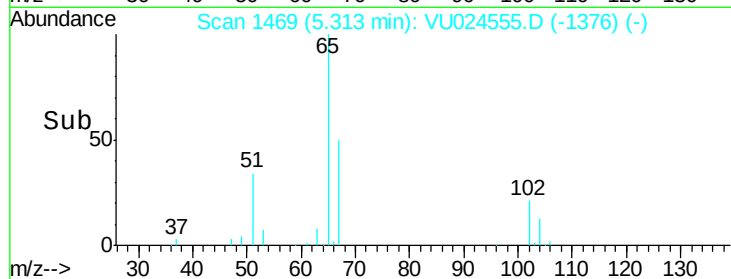
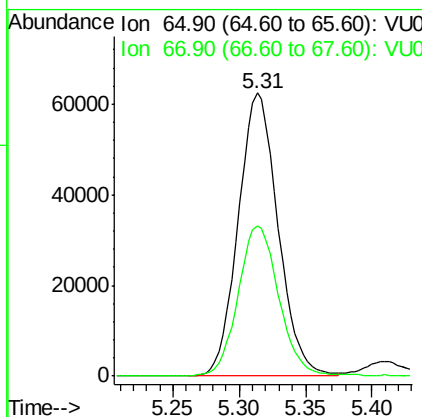
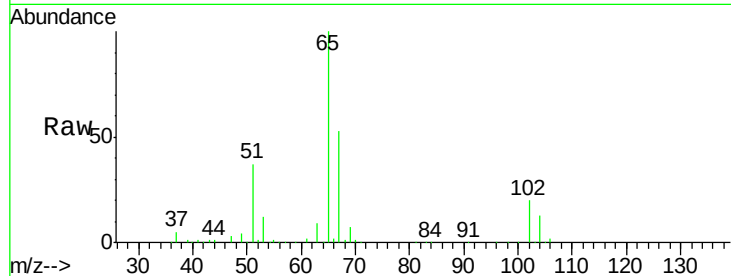
#33
 1,2-Dichloroethane-d4
 Concen: 46.571 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	130515		
67	53.3	0.0	107.0	

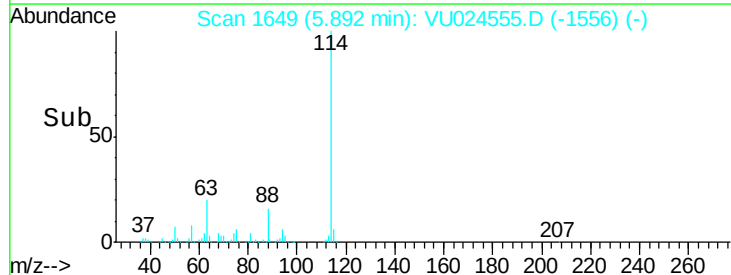
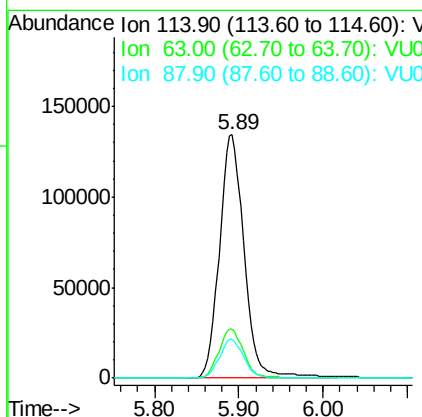
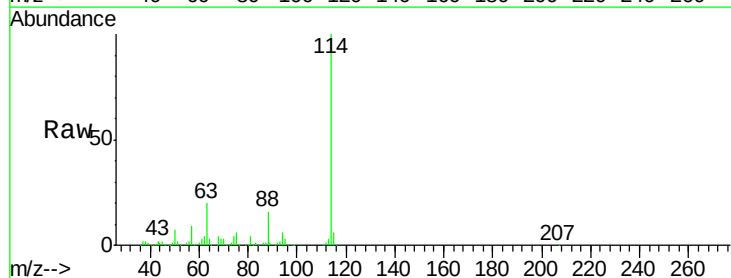
Manual Integrations
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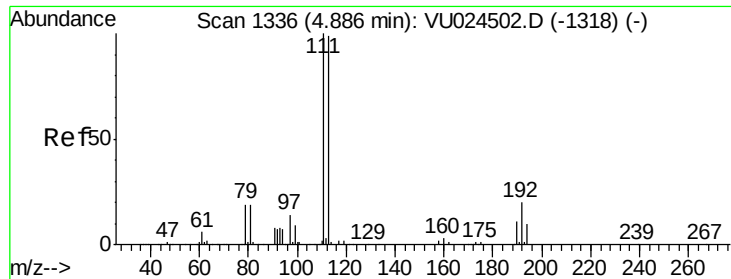
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	274170		
63	20.1	0.0	45.4	
88	15.7	0.0	31.0	





#35

Dibromofluoromethane

Concen: 49.326 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

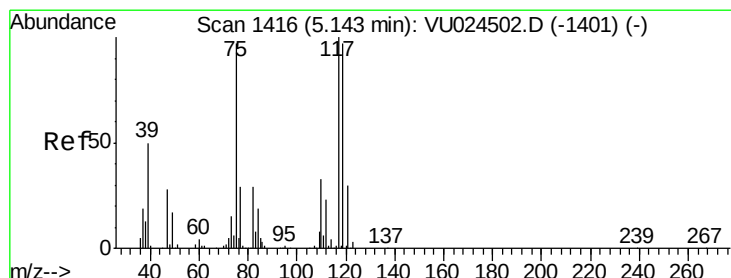
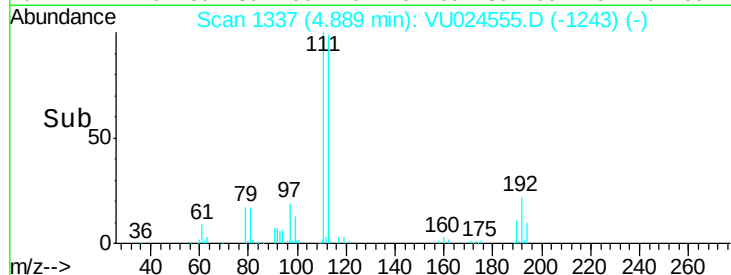
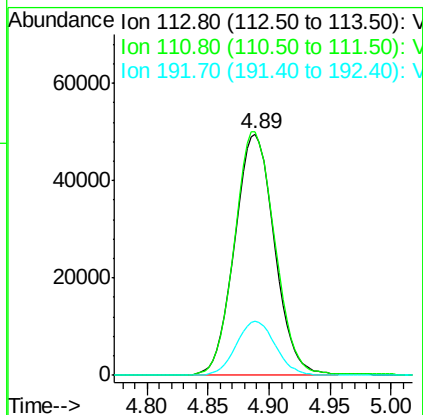
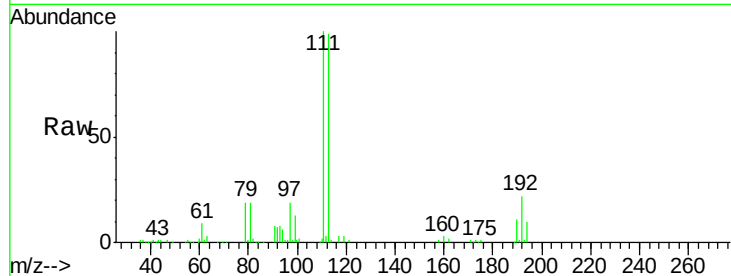
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	112236
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.2	123.4
192	22.0	16.2	24.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.529 ug/l

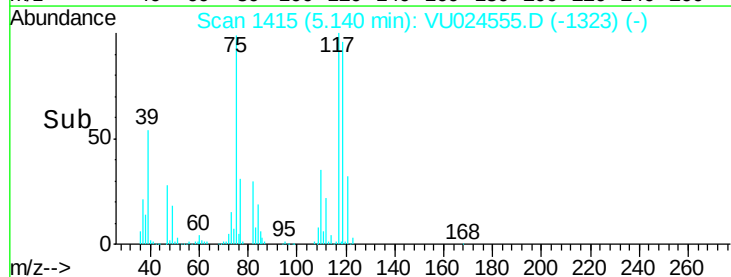
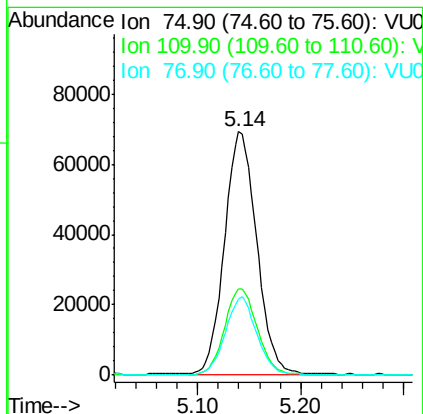
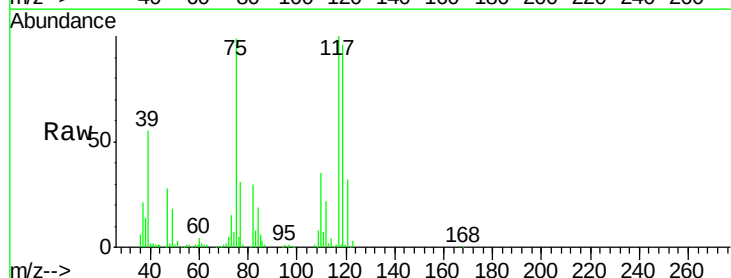
RT: 5.14 min Scan# 1415

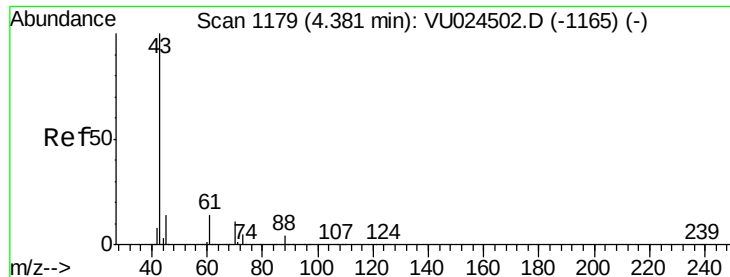
Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Tgt Ion:	75	Resp:	149904
Ion Ratio	Lower	Upper	
75	100		
110	36.6	17.0	50.9
77	30.7	24.2	36.4





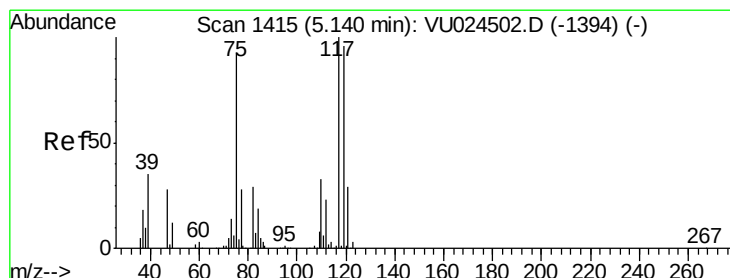
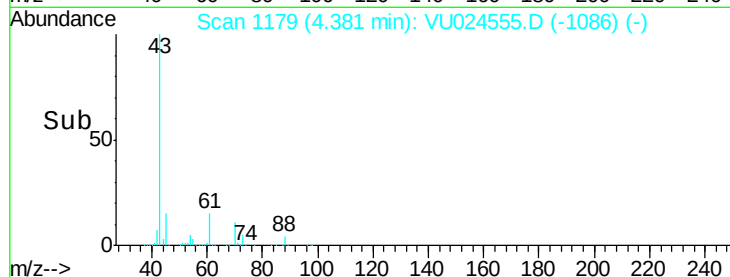
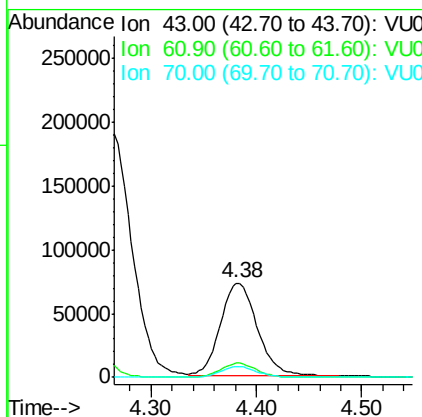
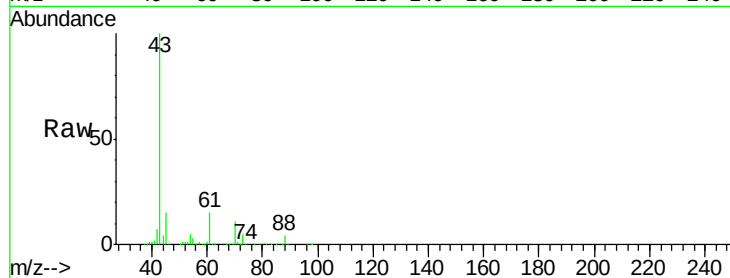
#37
Ethyl Acetate
Concen: 50.919 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.5	15.7
70	11.4	7.4	11.2

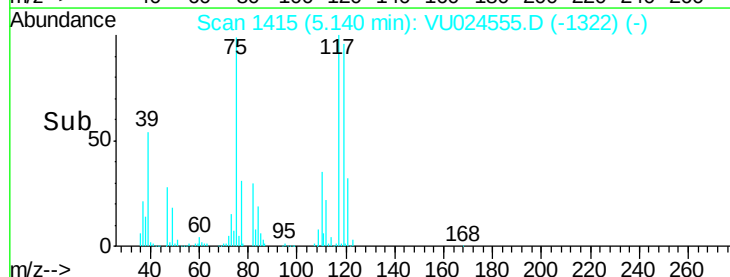
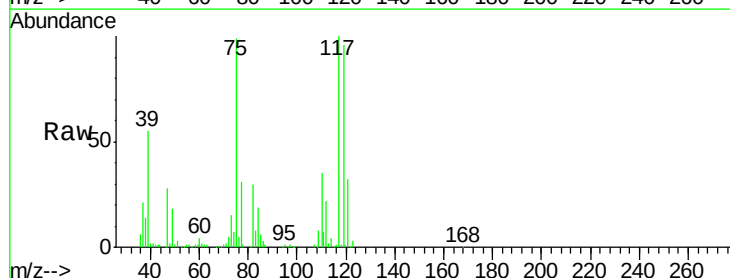
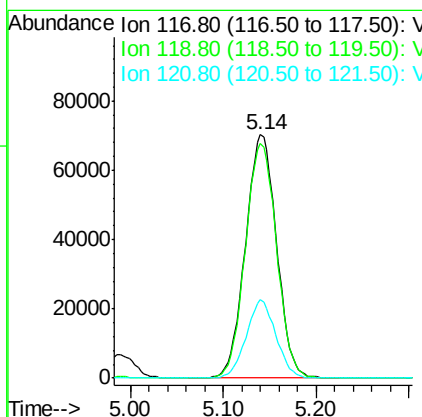
Manual Integrations
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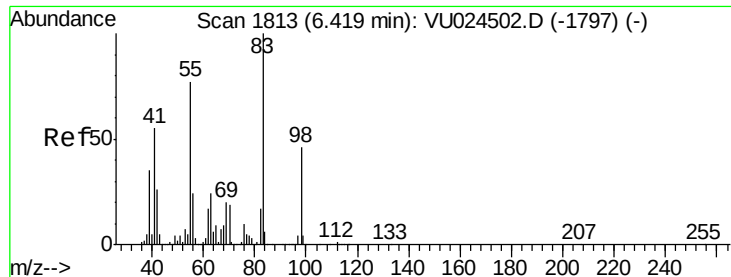
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#38
Carbon Tetrachloride
Concen: 46.285 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.1	114.1
121	32.1	23.7	35.5





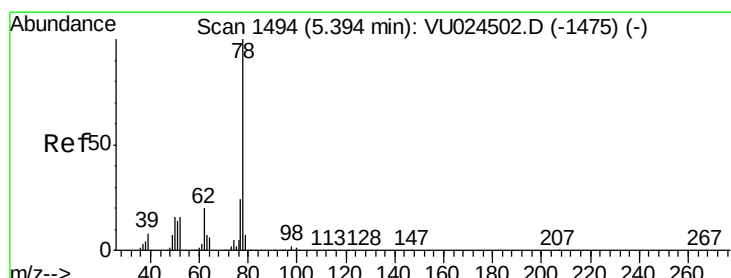
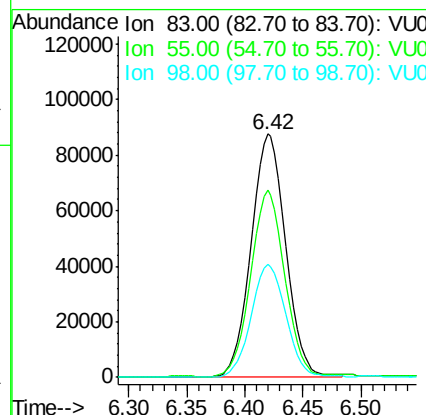
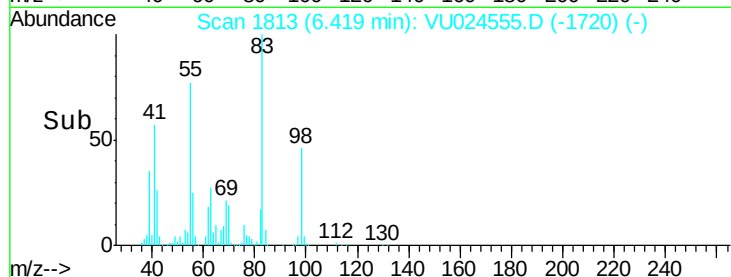
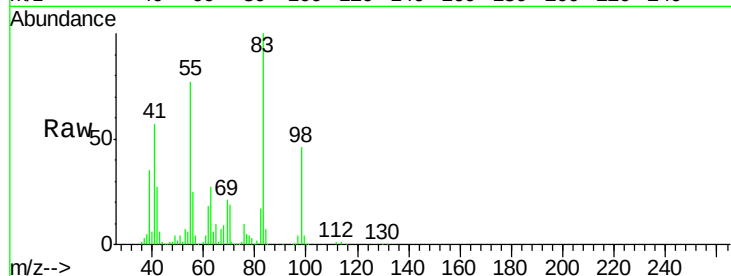
#39
Methylvlcyclohexane
Concen: 45.377 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	65.8	98.6
98	46.2	36.7	55.1

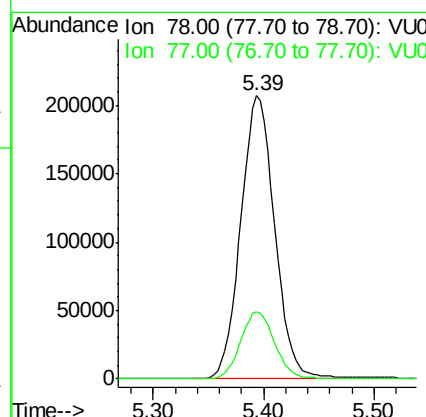
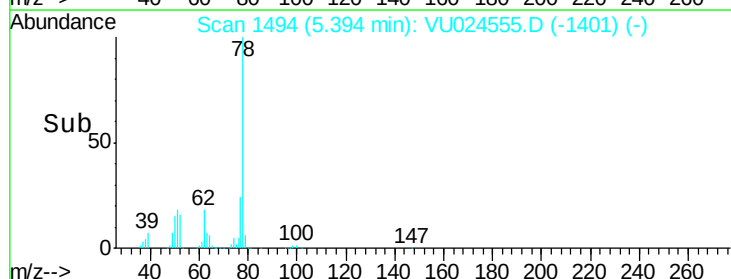
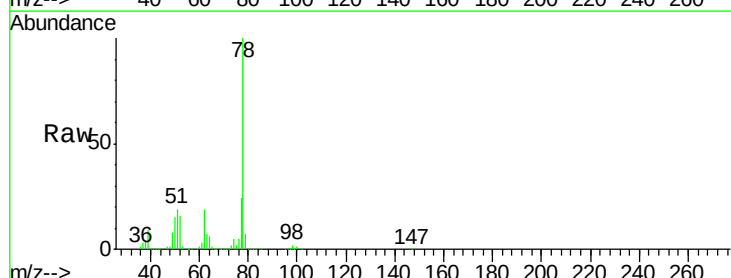
Manual Integrations
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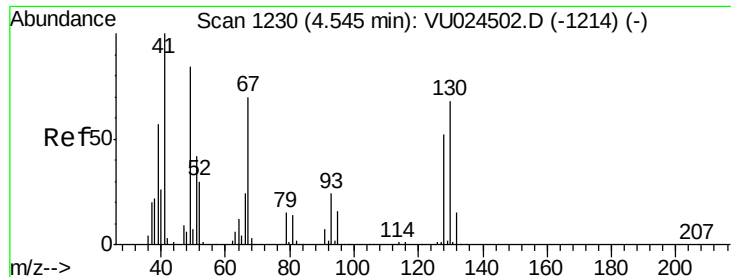
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#40
Benzene
Concen: 48.012 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





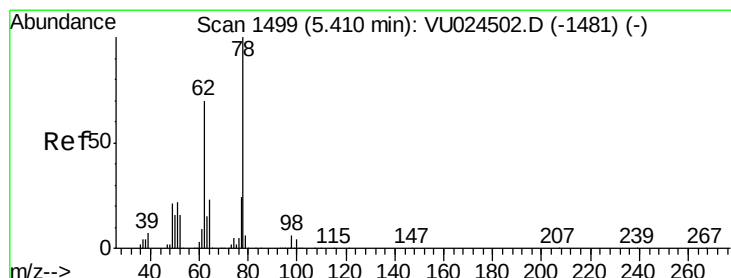
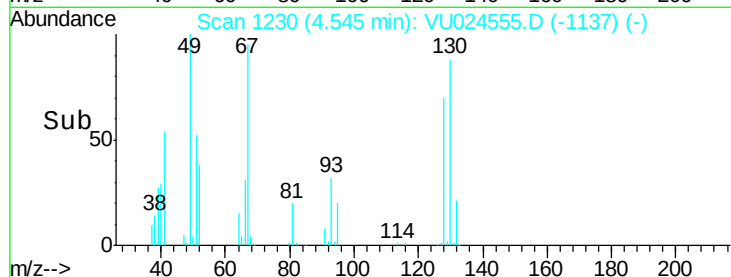
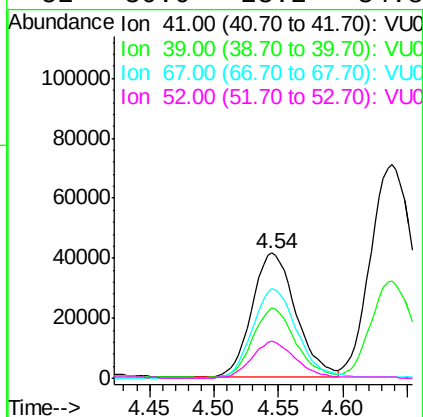
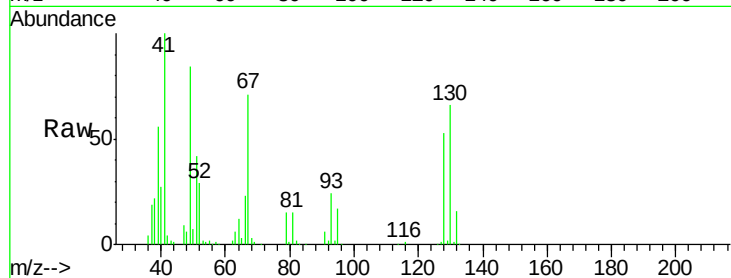
#41
Methacrylonitrile
Concen: 52.275 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	43.8	65.6	
67	72.1	56.3	84.5	
52	30.0	23.2	34.8	

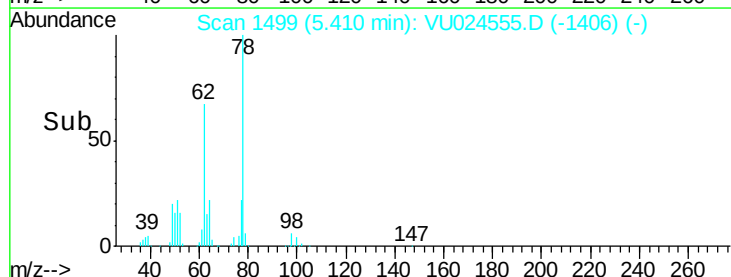
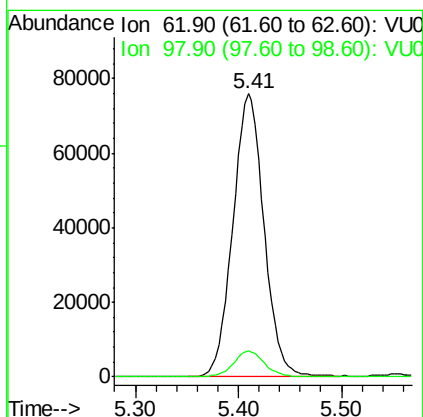
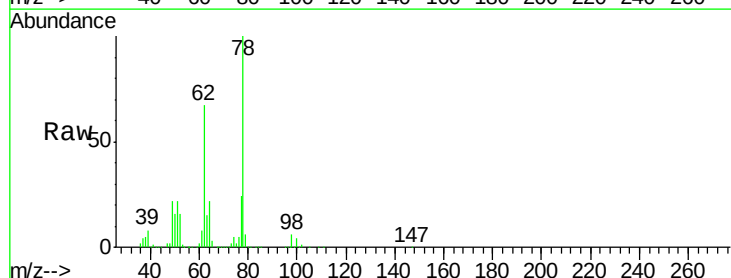
Manual Integrations
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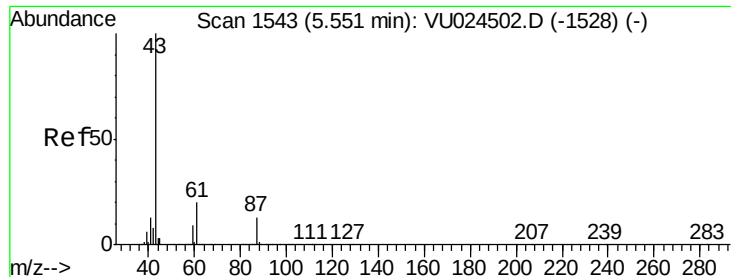
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#42
1,2-Dichloroethane
Concen: 45.645 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	16.6	





#43

Isopropyl Acetate

Concen: 47.774 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

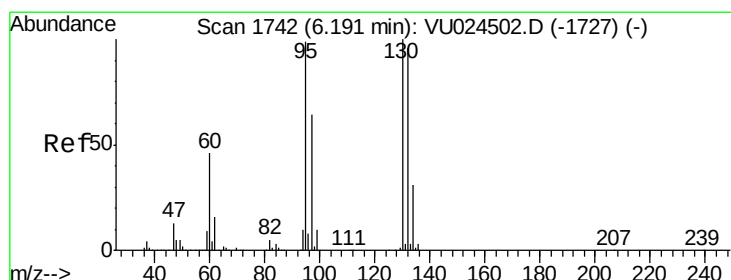
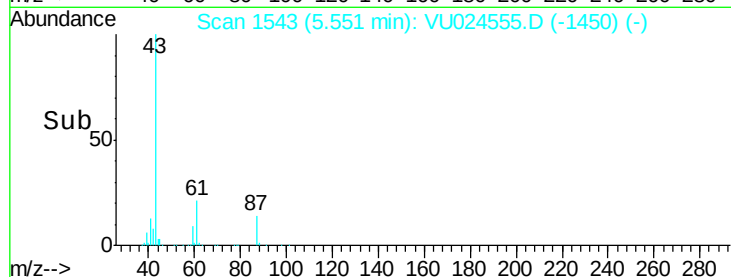
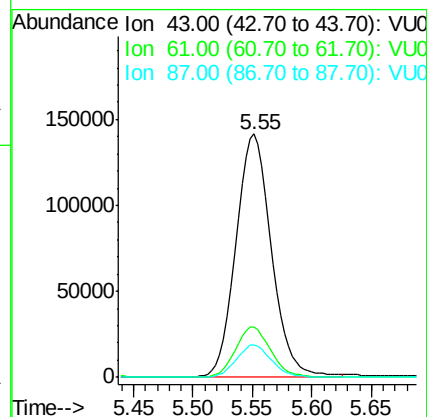
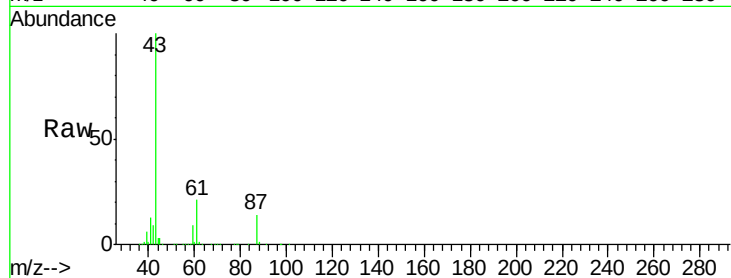
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	289974
Ion	Ratio	Lower	Upper
43	100		
61	20.9	15.4	23.0
87	13.4	10.0	15.0

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#44

Trichloroethene

Concen: 46.862 ug/l

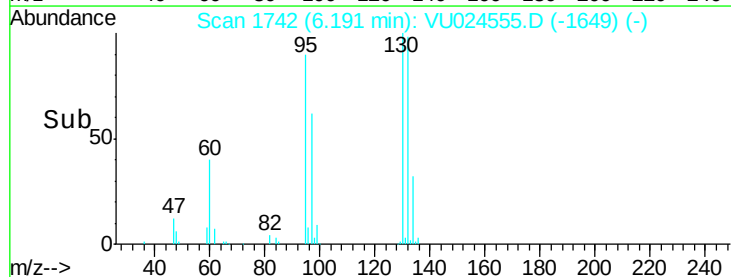
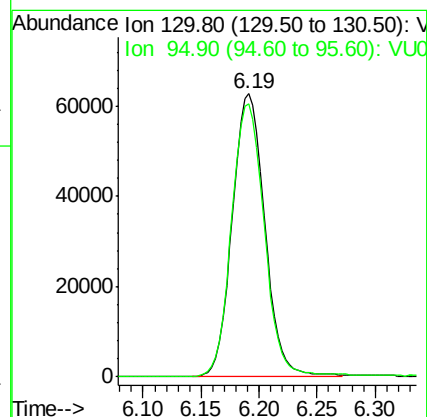
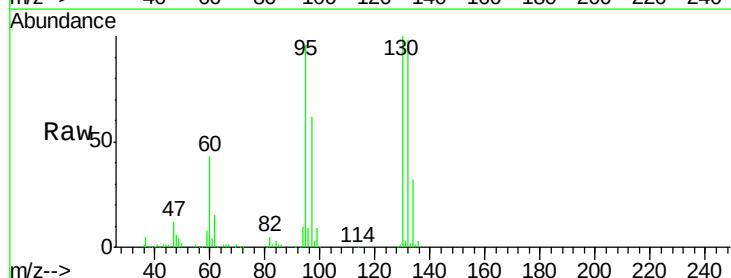
RT: 6.19 min Scan# 1742

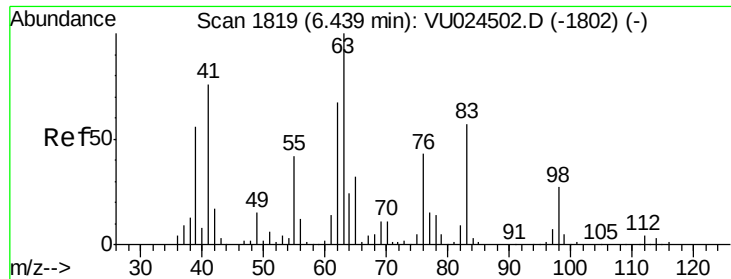
Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Tgt Ion:	130	Resp:	122434
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	202.4





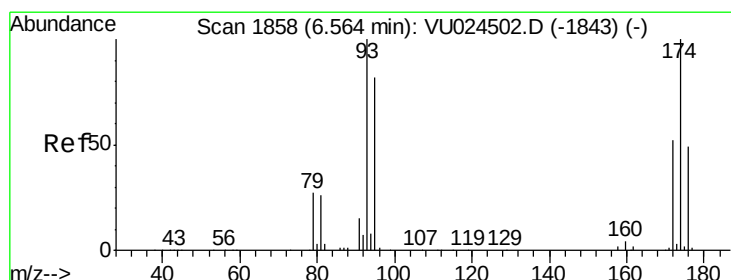
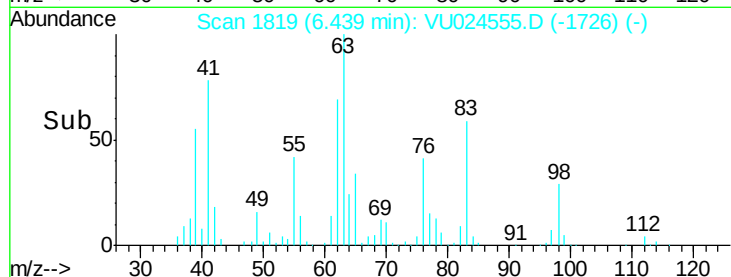
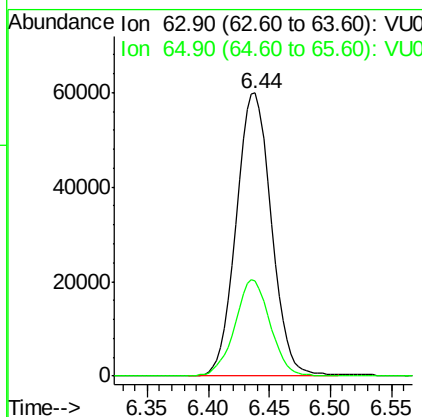
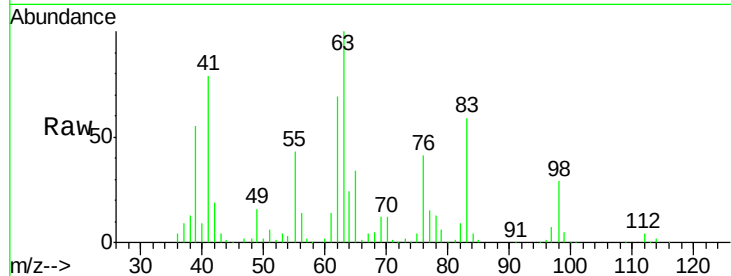
#45
 1,2-Dichloropropane
 Concen: 48.804 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 119544
 Ion Ratio Lower Upper
 63 100
 65 33.6 24.8 37.2

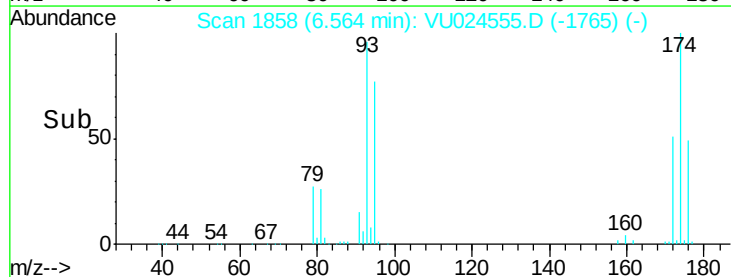
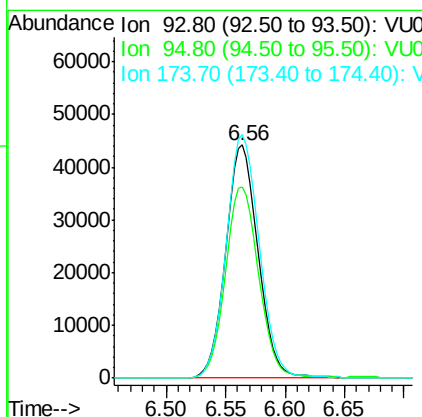
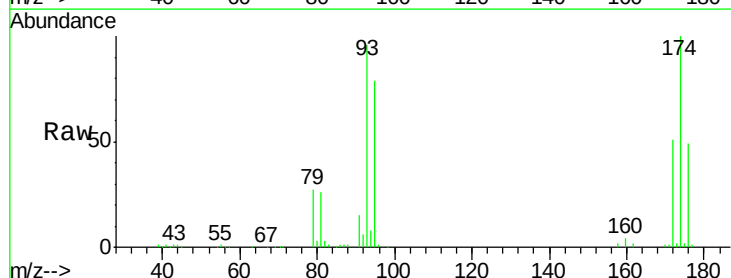
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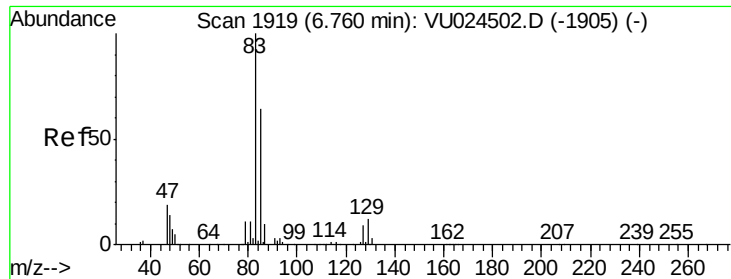
apatel
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#46
 Dibromomethane
 Concen: 48.643 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion: 93 Resp: 83692
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.5 98.3
 174 106.5 78.7 118.1





#47

Bromodichloromethane

Concen: 46.955 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

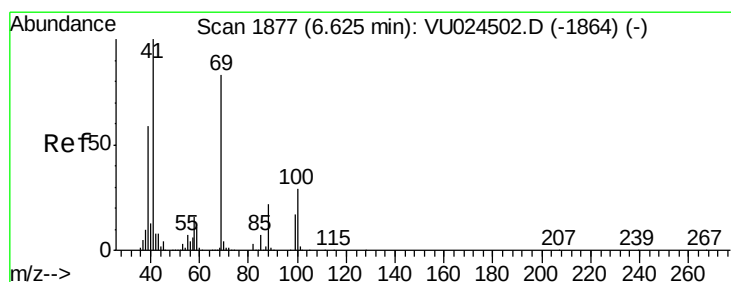
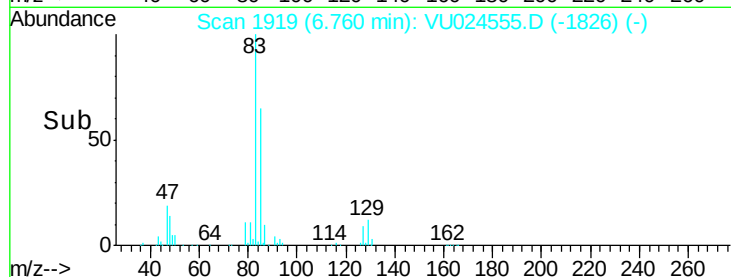
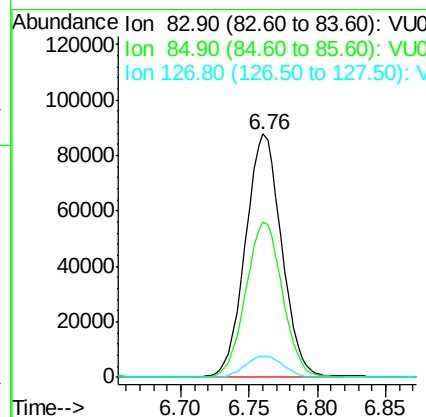
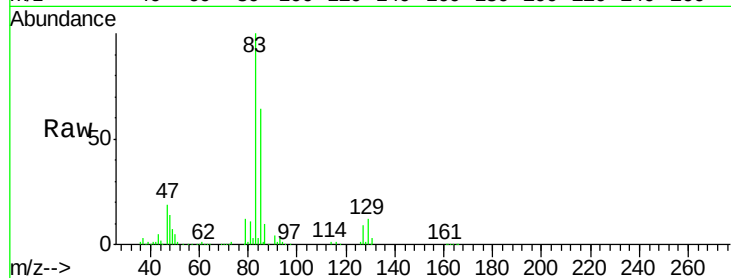
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	160872
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.9	77.9
127	8.8	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.543 ug/l

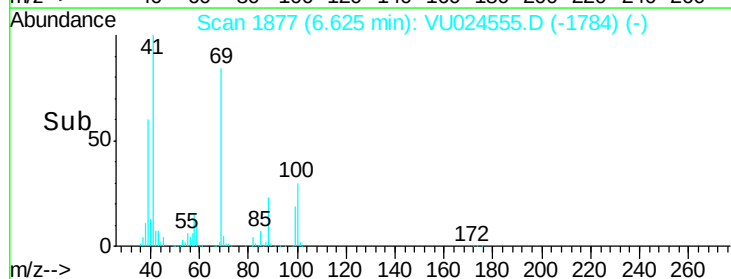
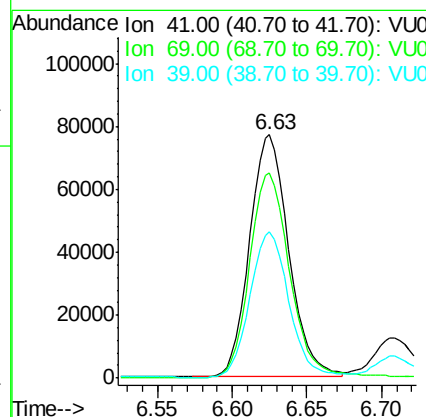
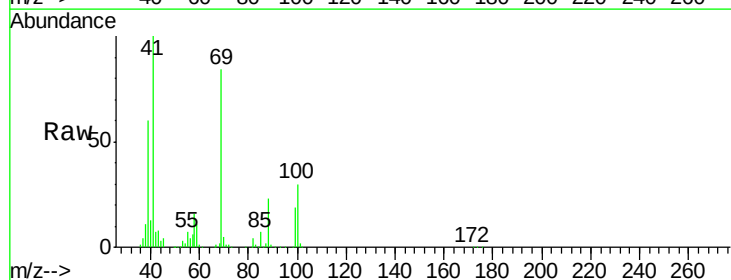
RT: 6.63 min Scan# 1877

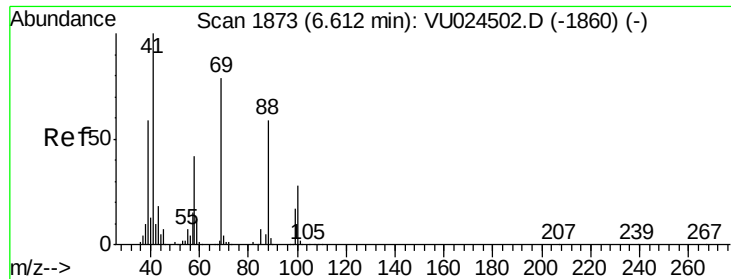
Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Tgt Ion:	41	Resp:	140517
Ion Ratio	Lower	Upper	
41	100		
69	87.1	67.3	100.9
39	60.0	46.5	69.7





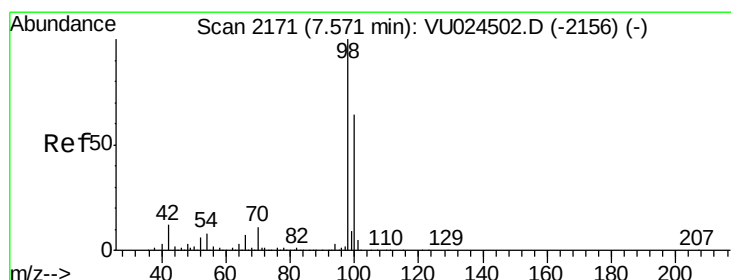
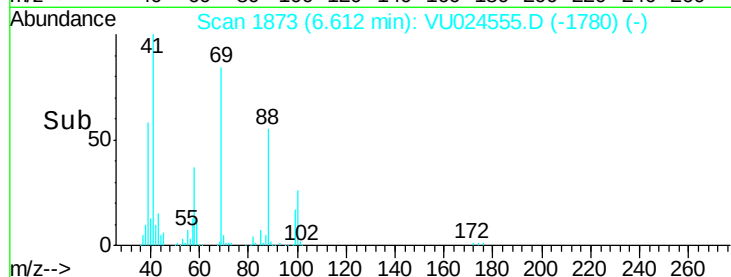
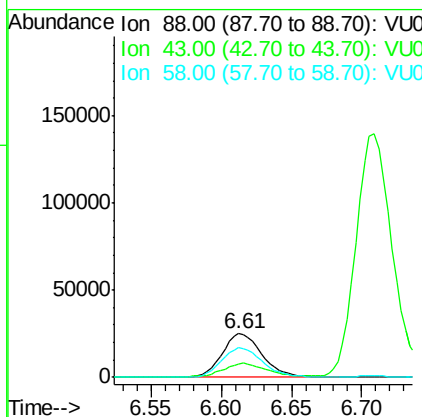
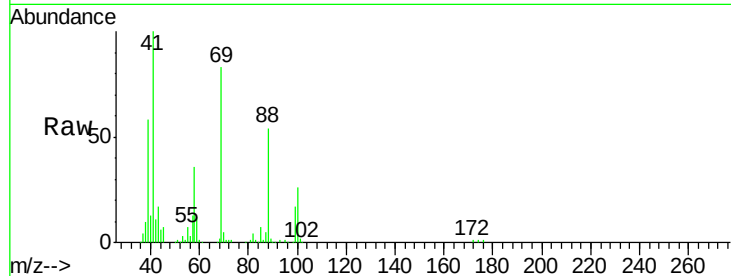
#49
1,4-Dioxane
Concen: 845.210 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	28.6	42.8
58	70.8	58.2	87.4

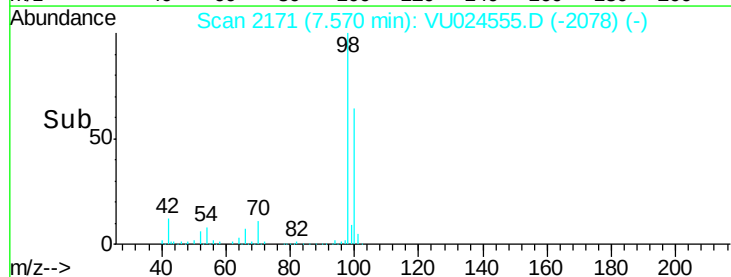
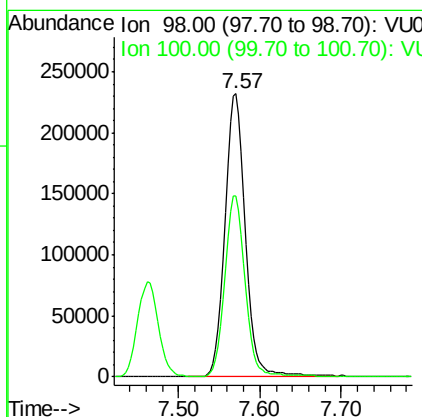
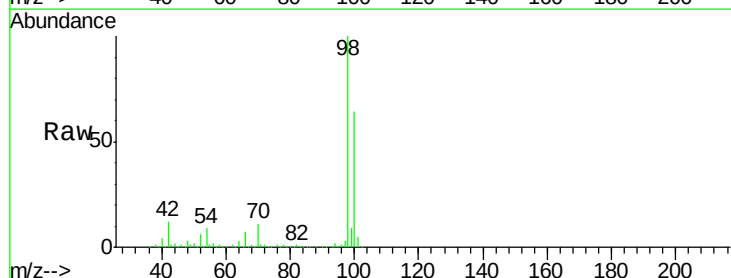
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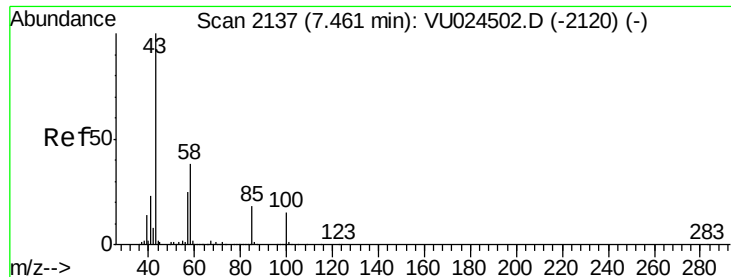
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#50
Toluene-d8
Concen: 49.894 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 246.357 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 939427

Ion Ratio Lower Upper

43 100

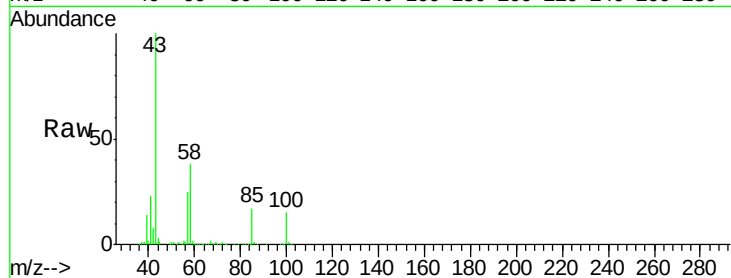
58 38.5 30.0 45.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

600000

500000

400000

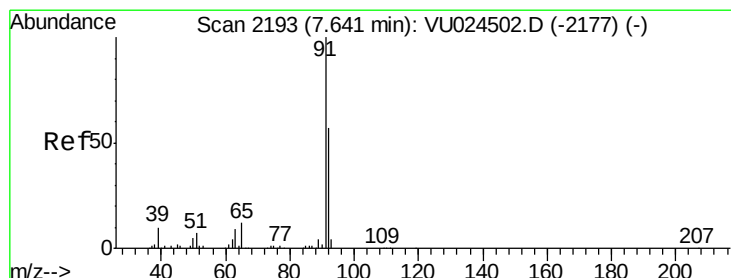
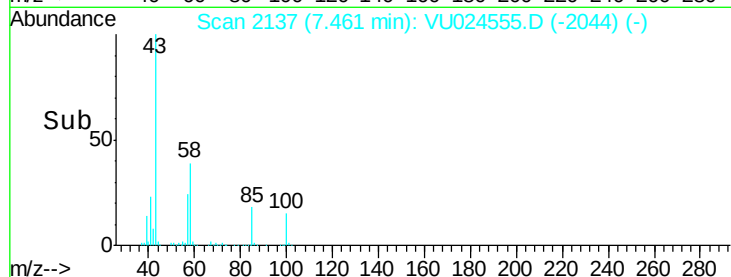
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.291 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024555.D

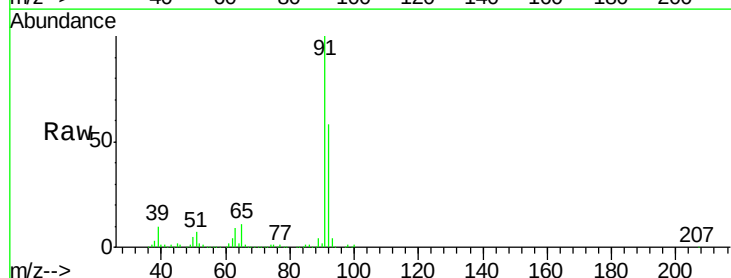
Acq: 14 Jun 2018 21:08

Tgt Ion: 92 Resp: 285214

Ion Ratio Lower Upper

92 100

91 174.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

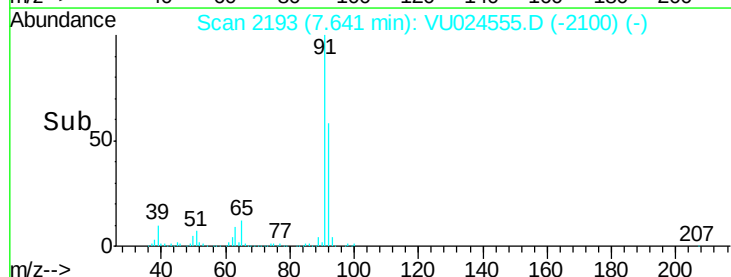
150000

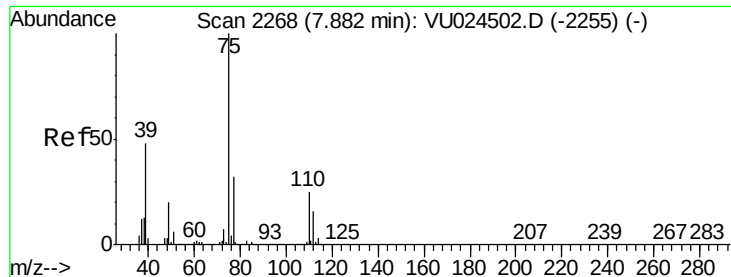
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.421 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 182452

Ion Ratio Lower Upper

75 100

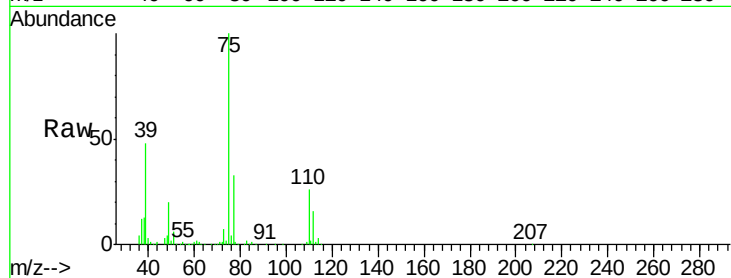
77 32.7 24.8 37.2

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

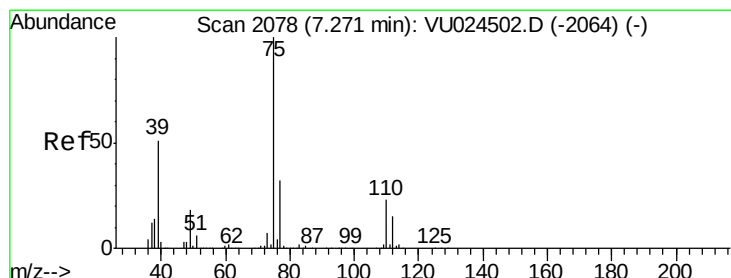
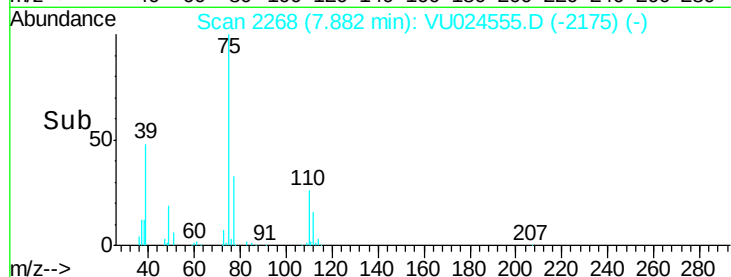
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.151 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

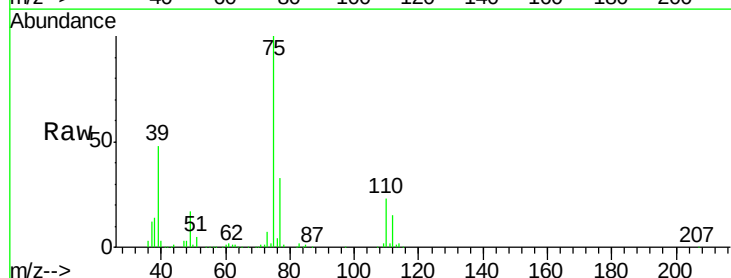
Tgt Ion: 75 Resp: 189206

Ion Ratio Lower Upper

75 100

77 32.7 24.6 36.8

39 48.2 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

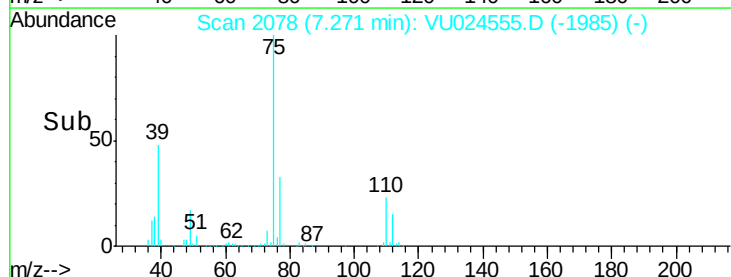
150000

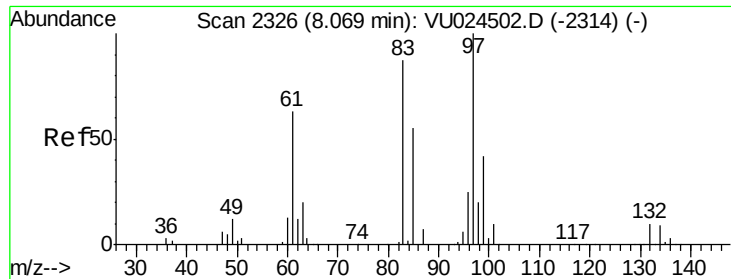
100000

50000

0

Time-->





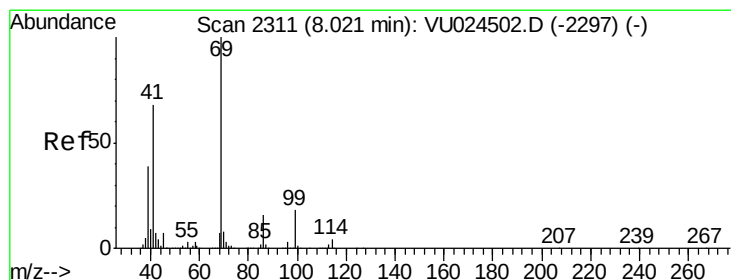
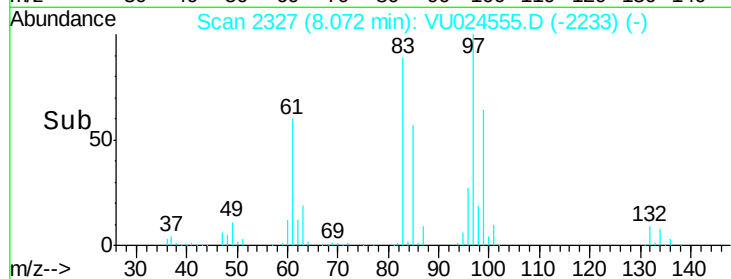
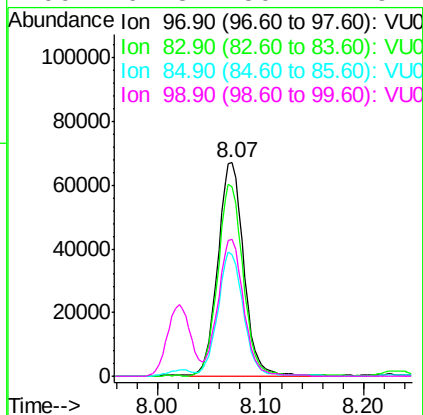
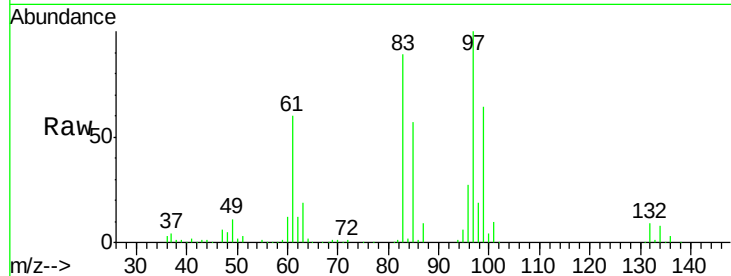
#55
 1,1,2-Trichloroethane
 Concen: 48.396 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	116189
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.5	105.7
85	57.1	46.4	69.6
99	64.3	50.2	75.2

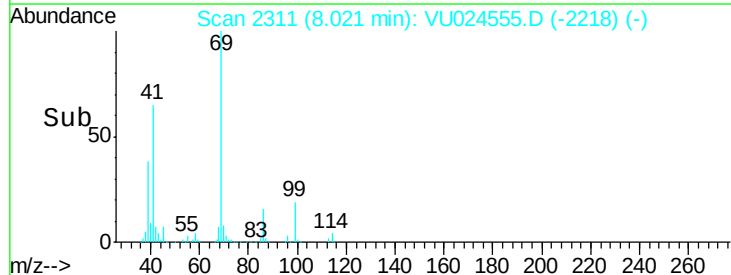
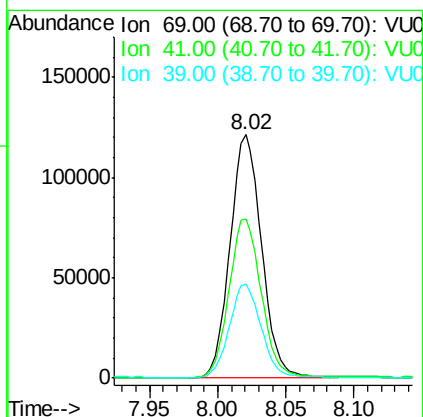
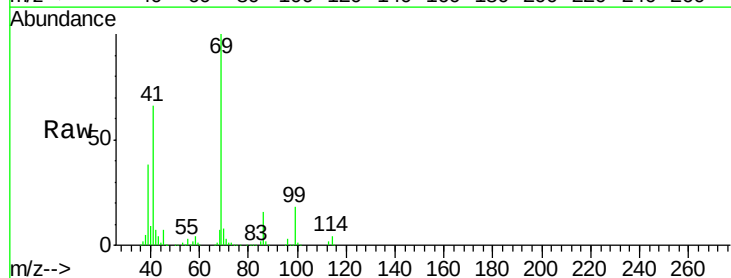
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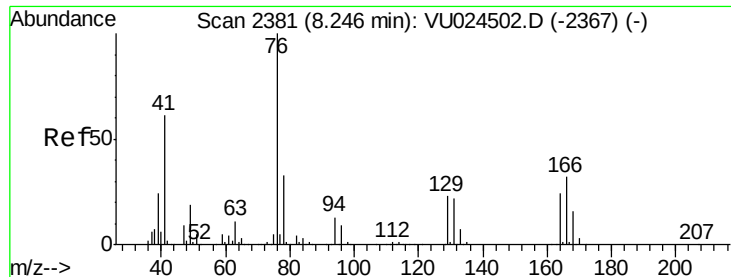
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#56
 Ethyl methacrylate
 Concen: 48.466 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion:	69	Resp:	194750
Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.1	81.1
39	38.4	30.3	45.5





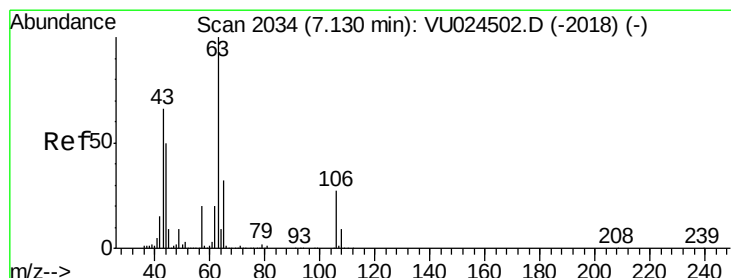
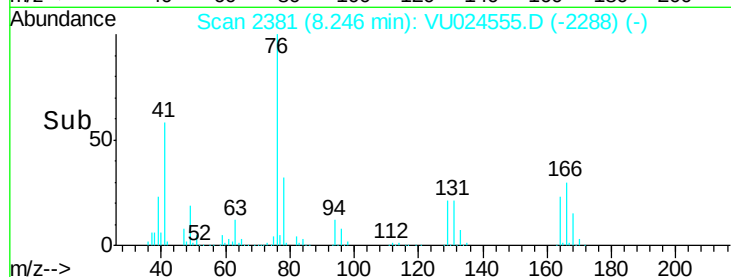
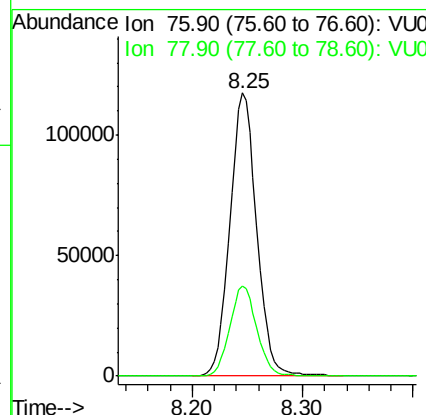
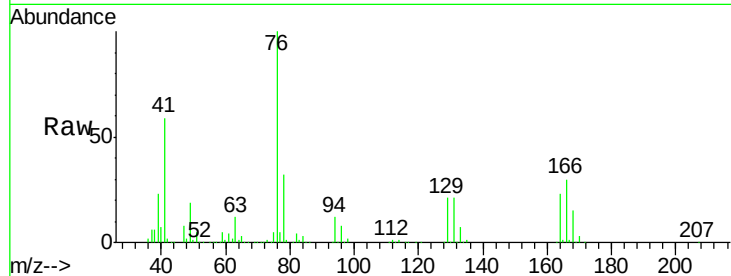
#57
 1,3-Dichloropropane
 Concen: 48.820 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 197719
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

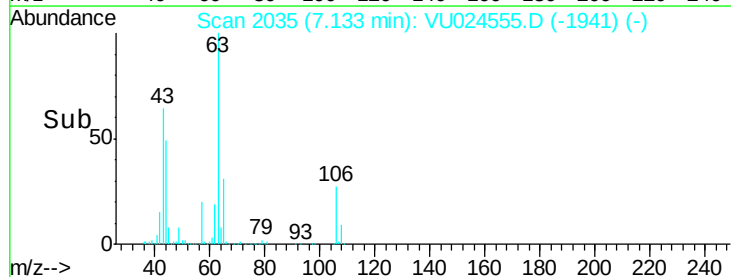
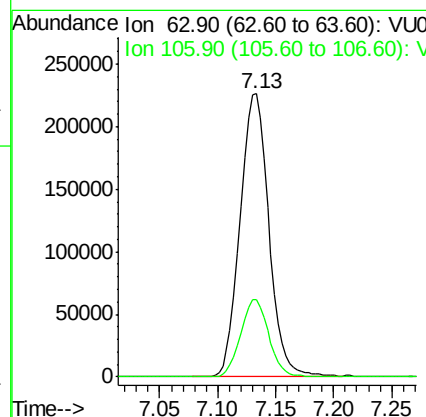
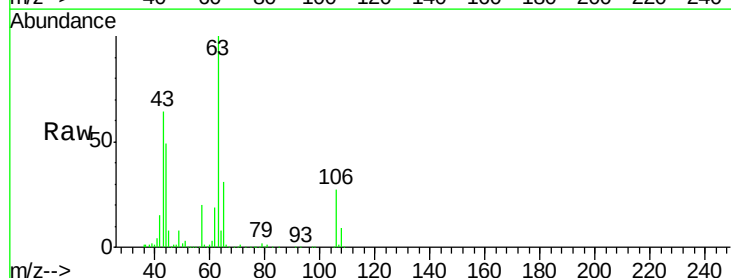
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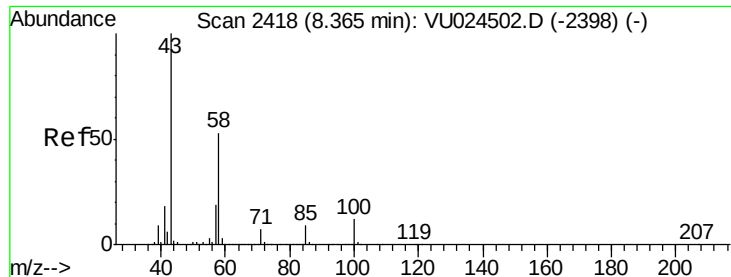
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#58
 2-Chloroethyl Vinyl ether
 Concen: 253.145 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion: 63 Resp: 389699
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.2 30.2





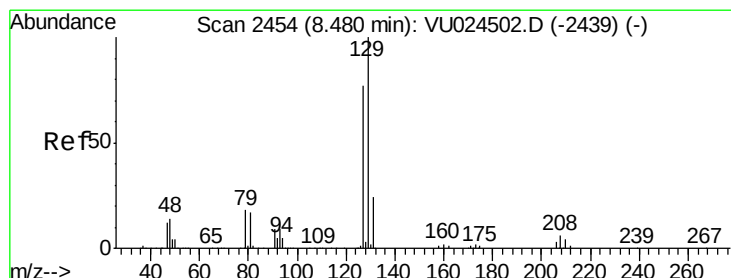
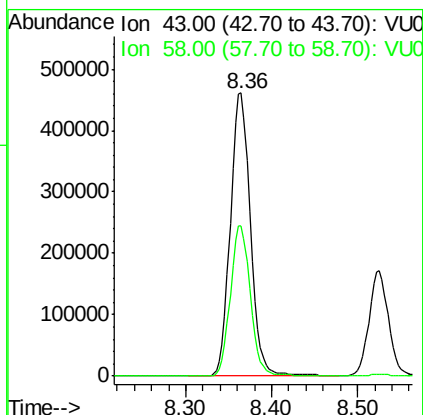
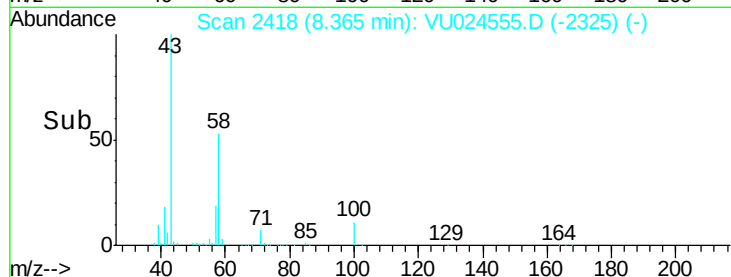
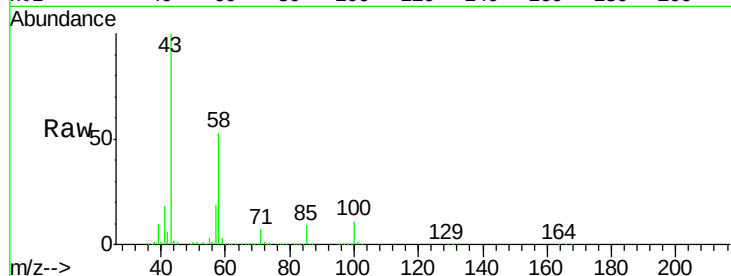
#59
2-Hexanone
Concen: 239.327 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 745067
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0

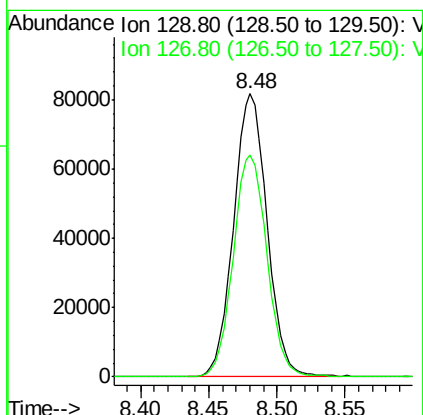
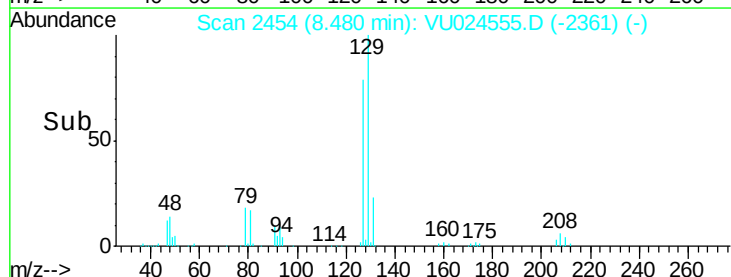
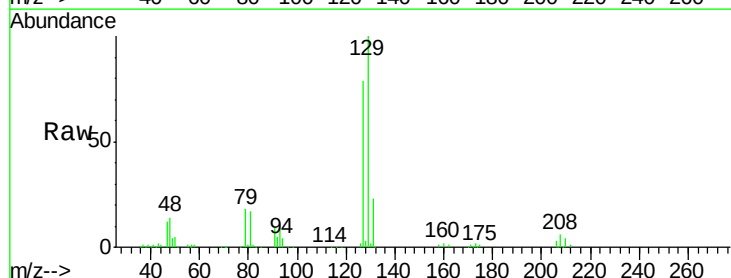
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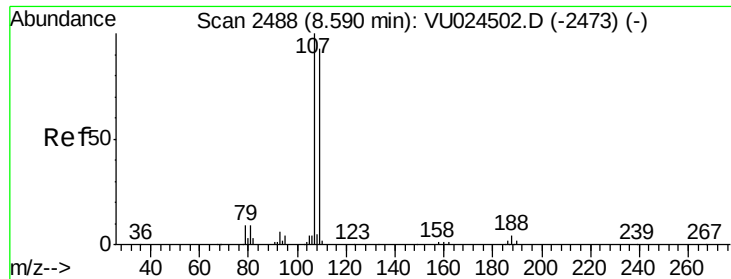
apatel
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#60
Dibromochloromethane
Concen: 46.531 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion: 129 Resp: 139305
Ion Ratio Lower Upper
129 100
127 79.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.795 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 130388

Ion Ratio Lower Upper

107 100

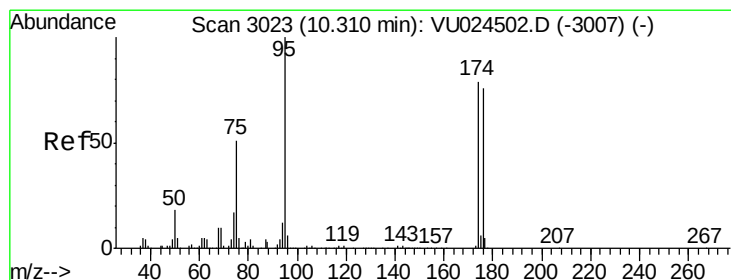
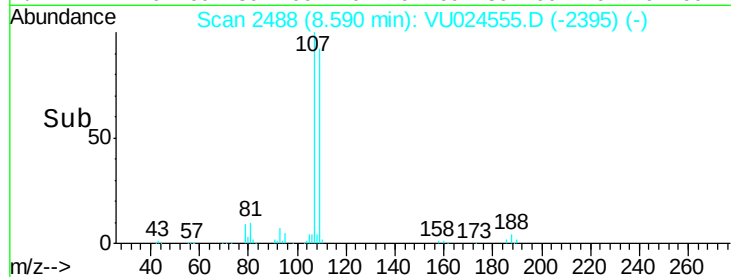
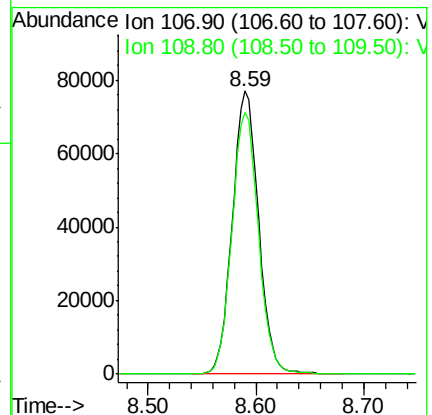
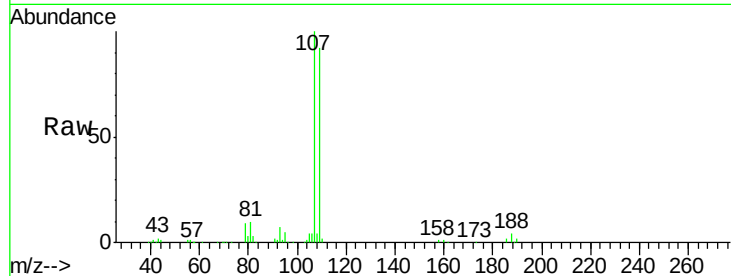
109 92.9 74.5 111.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.003 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

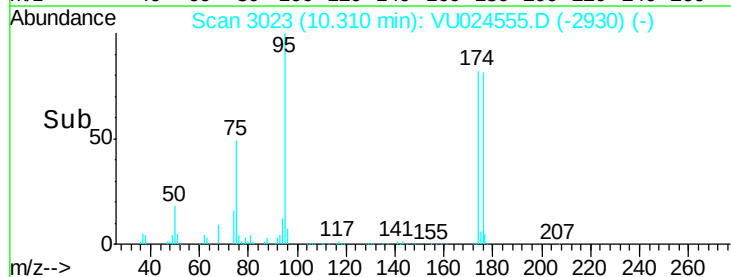
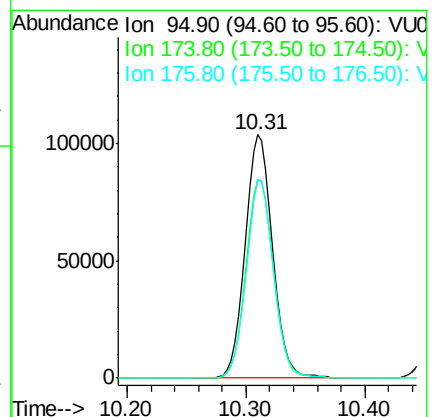
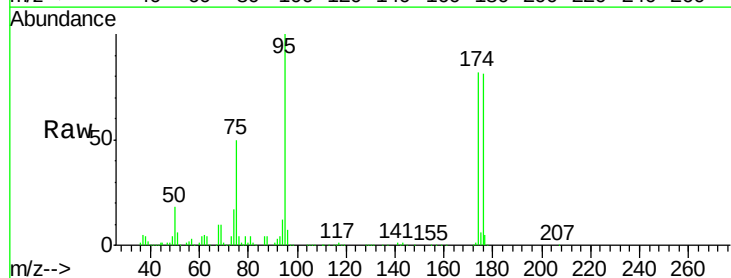
Tgt Ion: 95 Resp: 164777

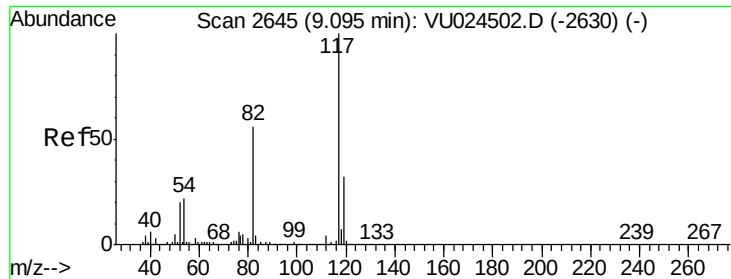
Ion Ratio Lower Upper

95 100

174 82.7 0.0 165.8

176 81.1 0.0 159.4





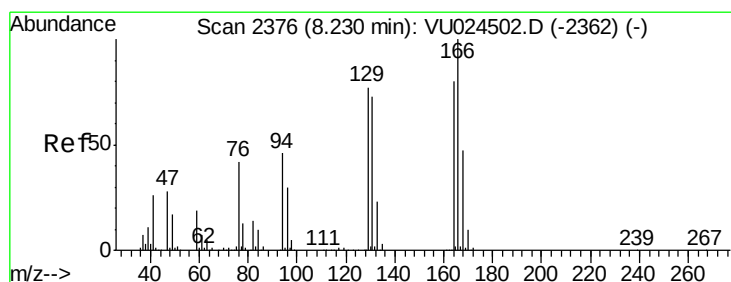
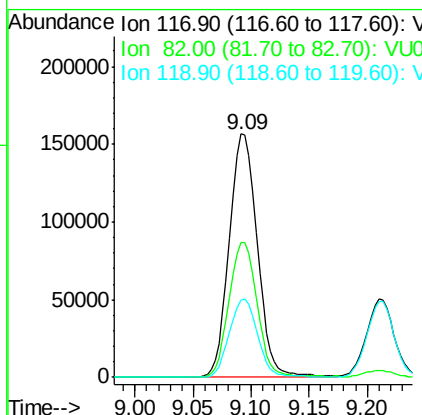
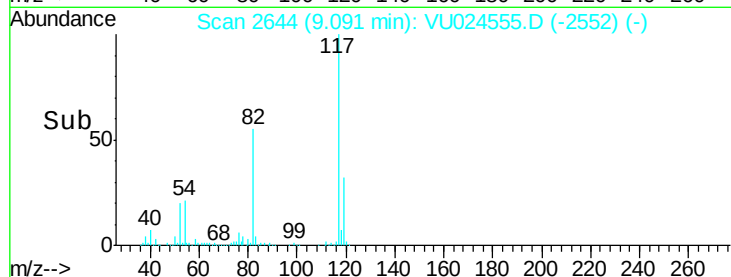
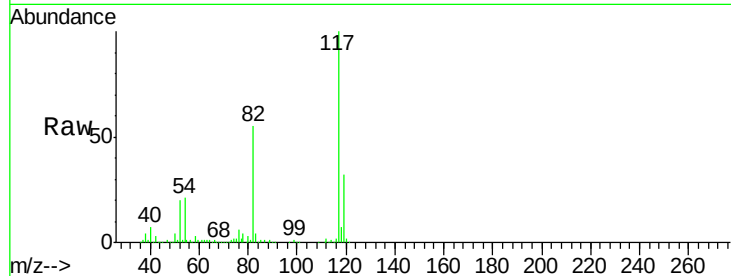
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	263183		
82	55.3	44.3	66.5	
119	31.8	25.4	38.2	

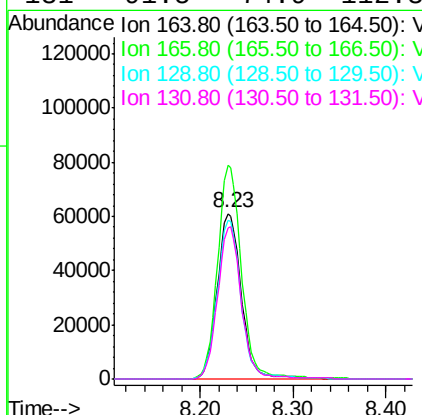
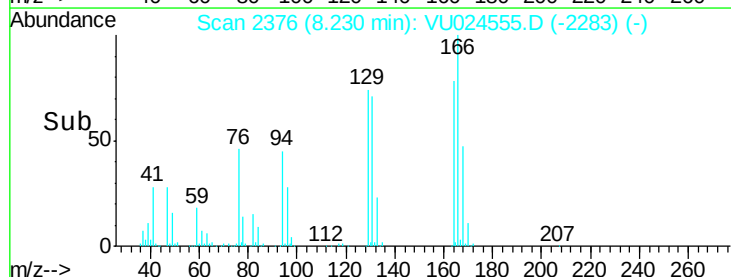
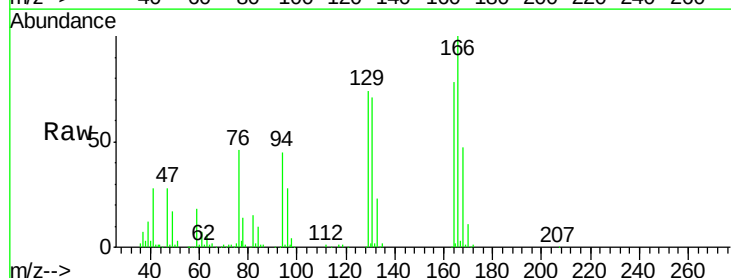
Manual Integrations
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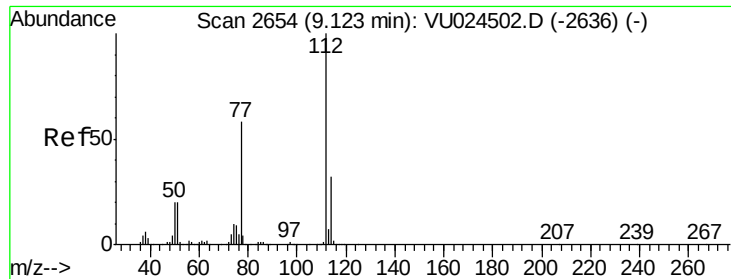
apatel
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#64
Tetrachloroethene
Concen: 44.036 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110164		
166	129.0	101.7	152.5	
129	95.6	76.9	115.3	
131	91.5	74.9	112.3	





#65

Chlorobenzene

Concen: 48.273 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 324554

Ion Ratio Lower Upper

112 100

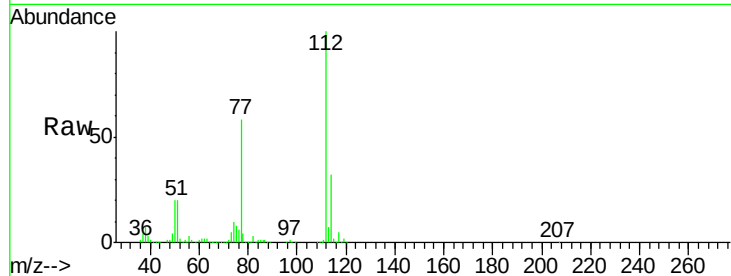
114 31.6 25.6 38.4

Manual Integrations

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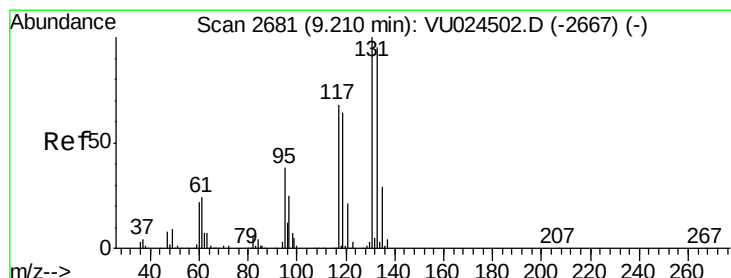
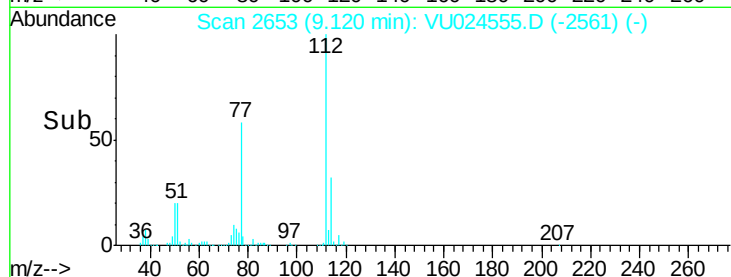
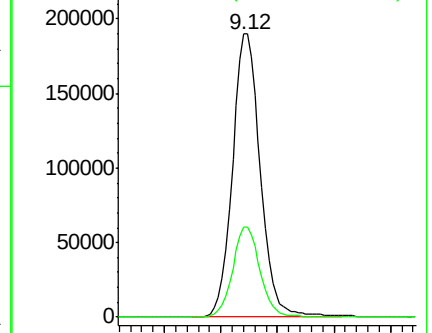
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.490 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

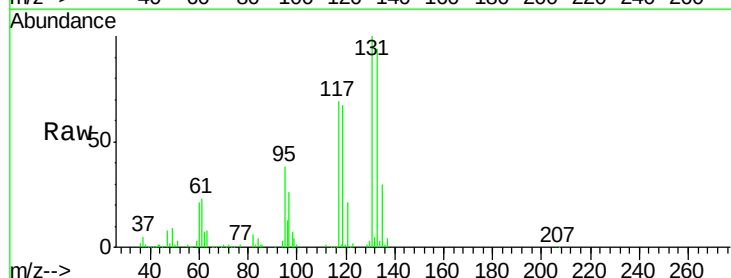
Tgt Ion:131 Resp: 121305

Ion Ratio Lower Upper

131 100

133 95.0 46.9 140.8

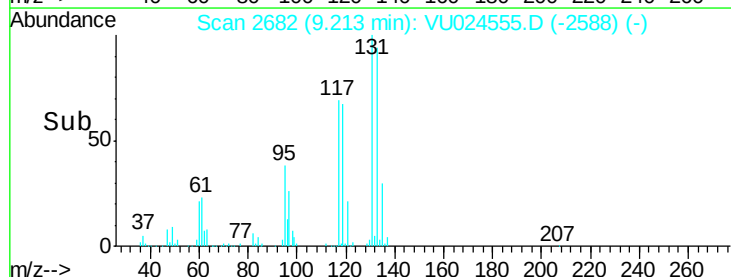
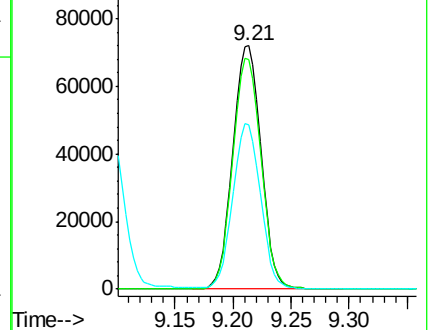
119 65.9 33.5 100.4

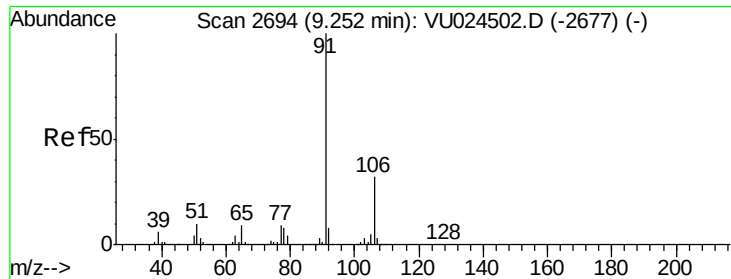


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 47.391 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 558577

Ion Ratio Lower Upper

91 100

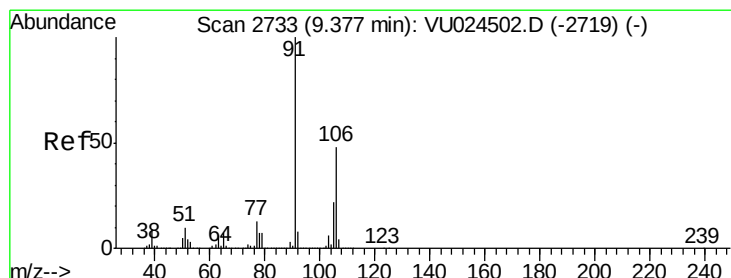
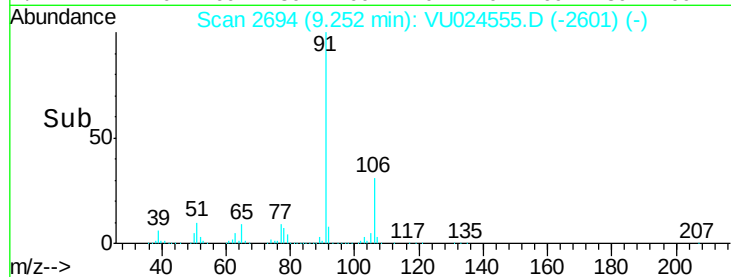
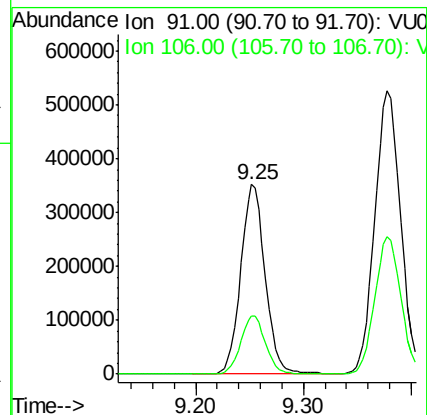
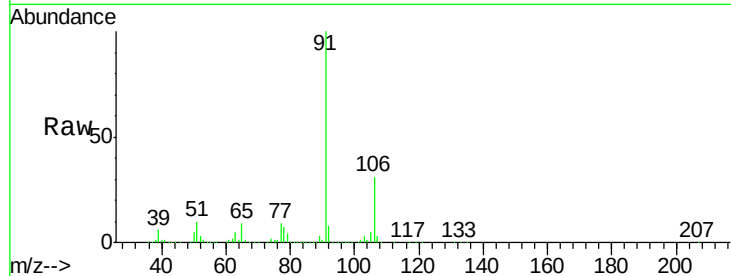
106 30.8 24.2 36.4

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#68

m/p-Xylenes

Concen: 95.647 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024555.D

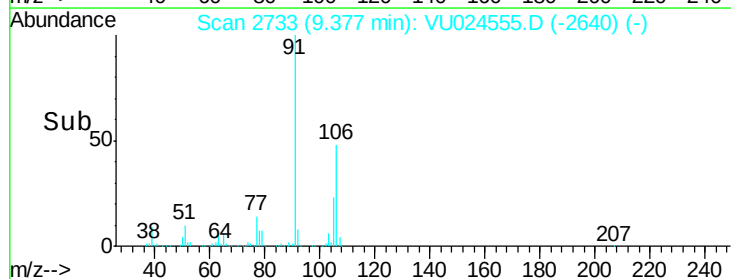
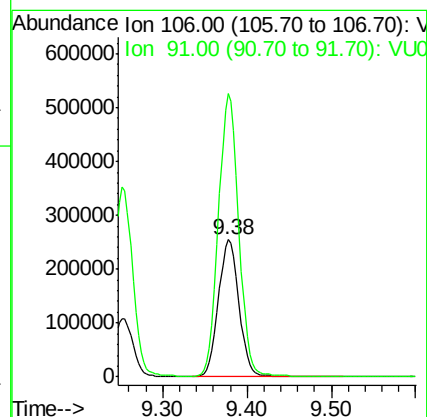
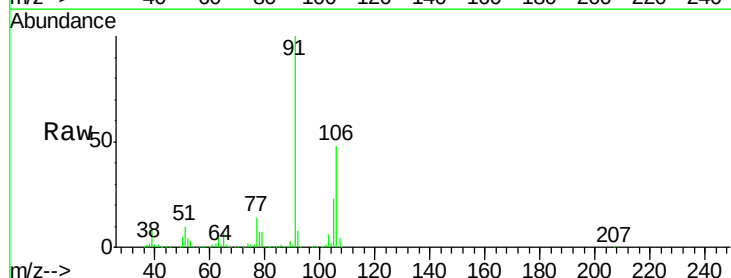
Acq: 14 Jun 2018 21:08

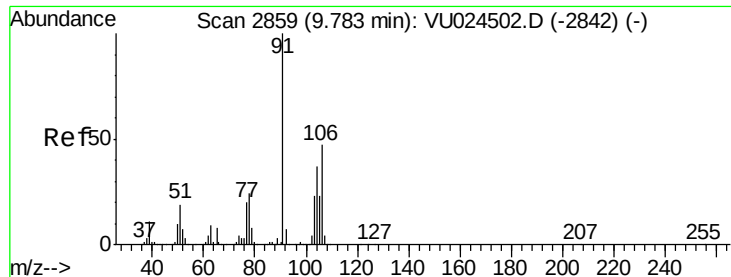
Tgt Ion: 106 Resp: 432901

Ion Ratio Lower Upper

106 100

91 203.4 166.5 249.7





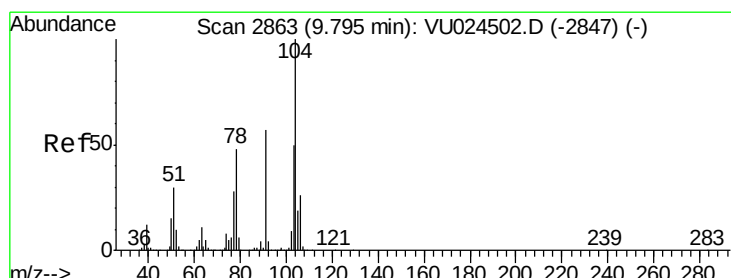
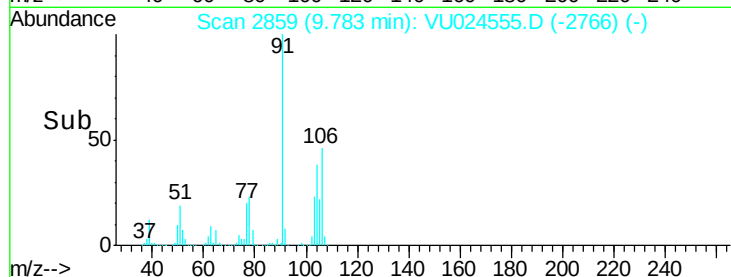
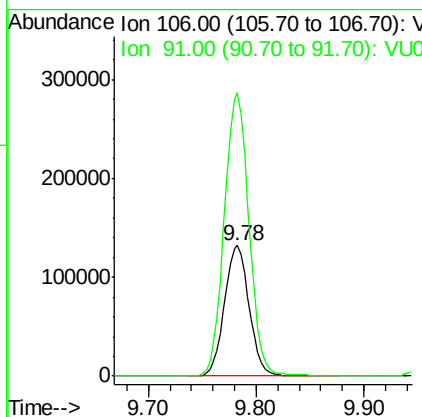
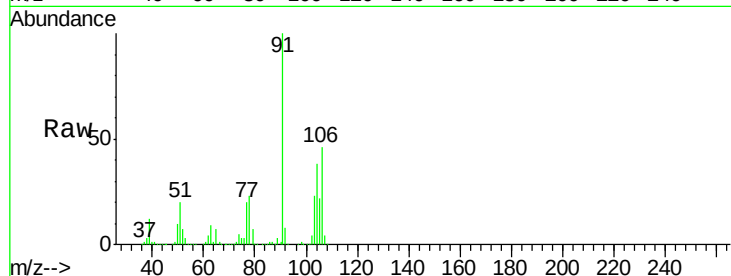
#69
o-Xylene
Concen: 47.076 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
210864	106	100		
	91	216.4	110.7	331.9

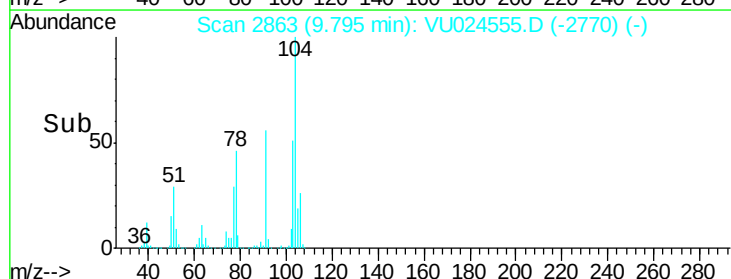
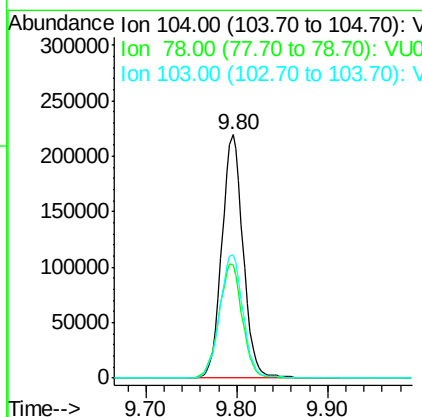
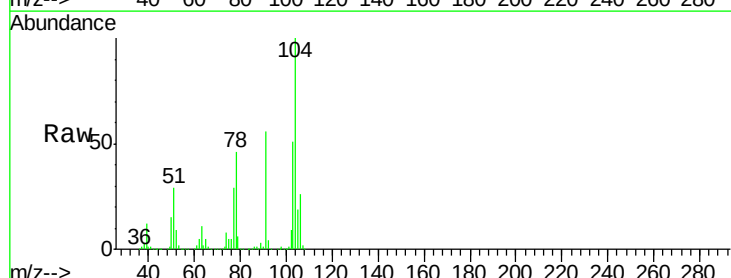
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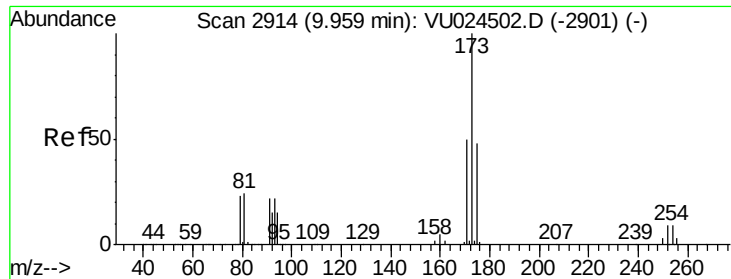
apatel
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#70
Styrene
Concen: 48.425 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ion	Ratio	Lower	Upper
356450	104	100		
	78	51.5	40.6	60.8
	103	55.4	44.7	67.1





#71

Bromoform

Concen: 47.381 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

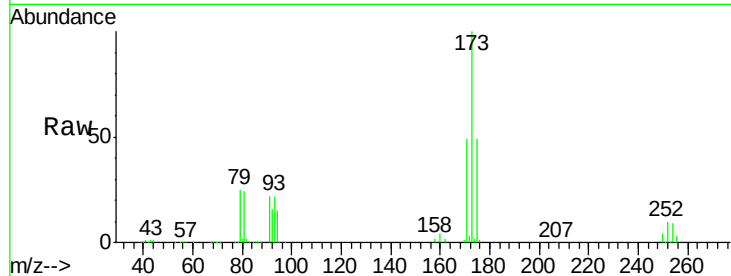
ClientSampleId :

VSTDCCC050EC

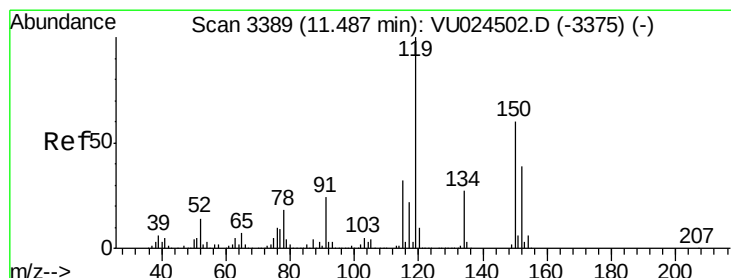
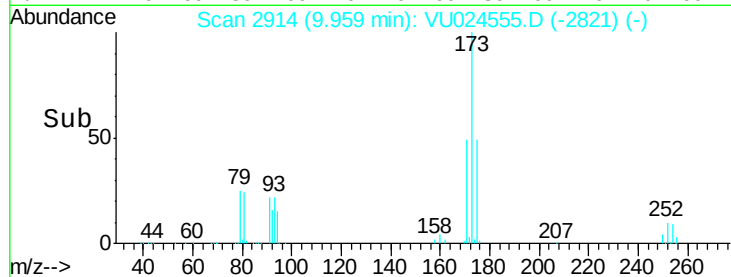
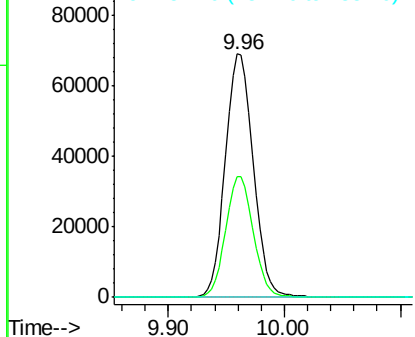
Tot Ion:	173	Resp:	115036
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.6	74.0
254	0.0	0.0	0.0#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

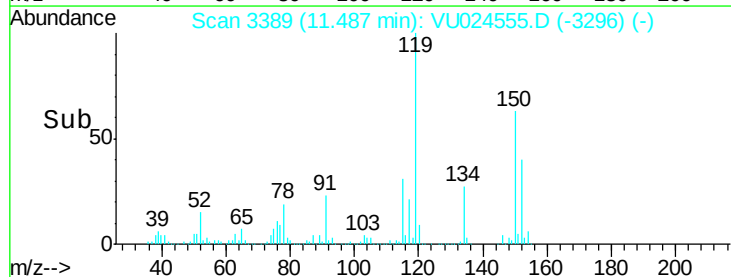
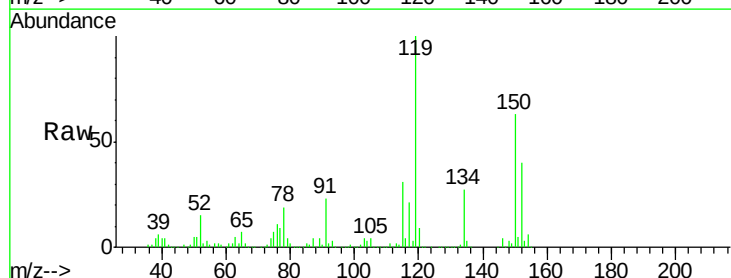
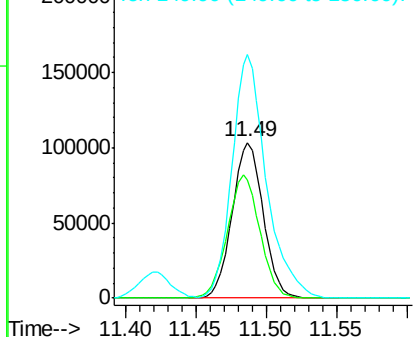
Delta R.T. -0.00 min

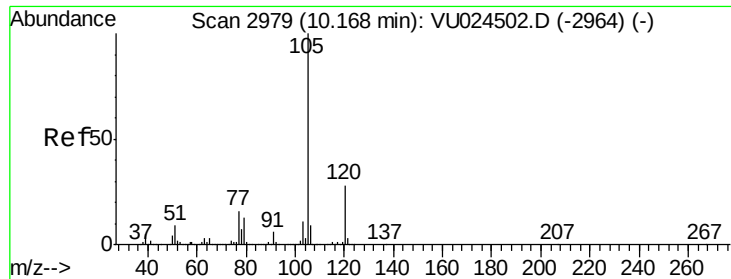
Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Tgt Ion:	152	Resp:	159189
Ion Ratio	Lower	Upper	
152	100		
115	82.4	43.0	129.0
150	172.9	0.0	354.0

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





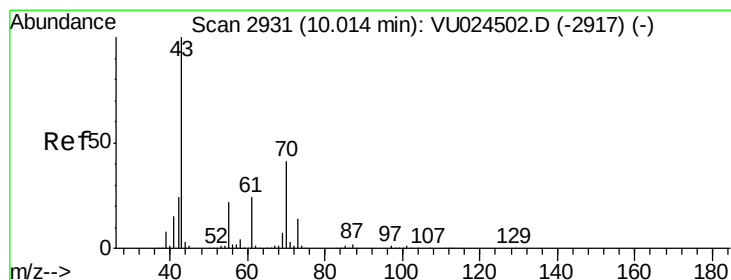
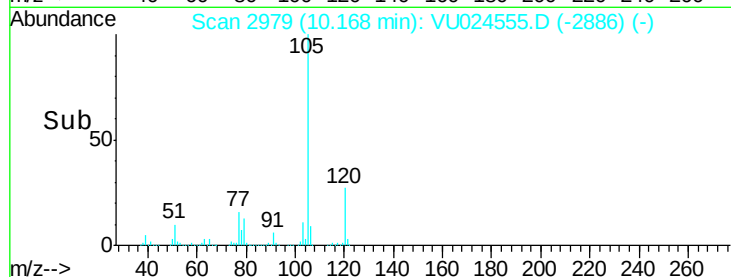
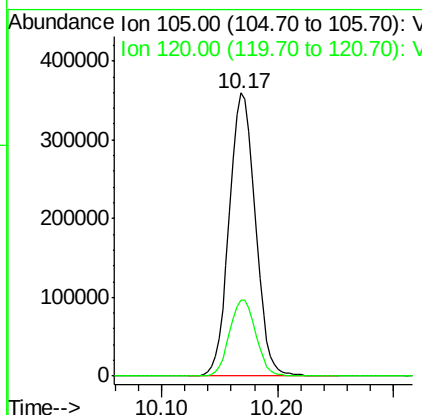
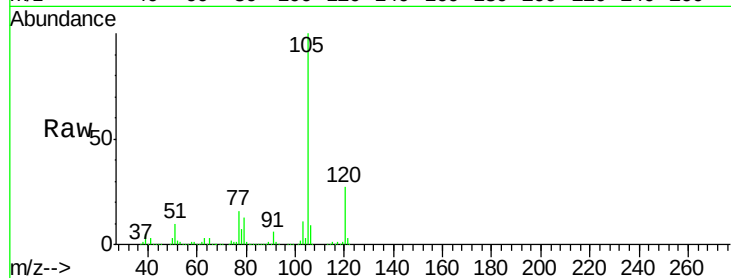
#73
Isopropylbenzene
Concen: 45.990 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.2	39.6

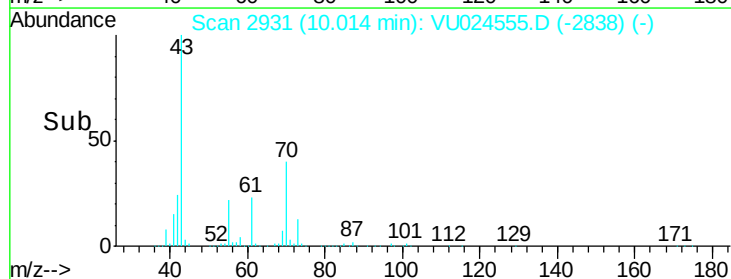
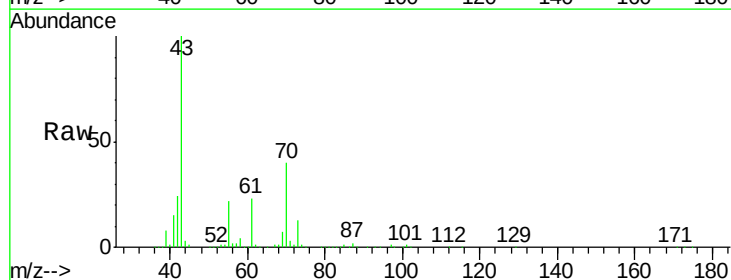
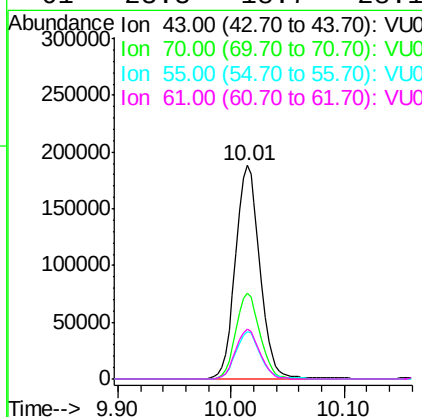
Manual Integrations
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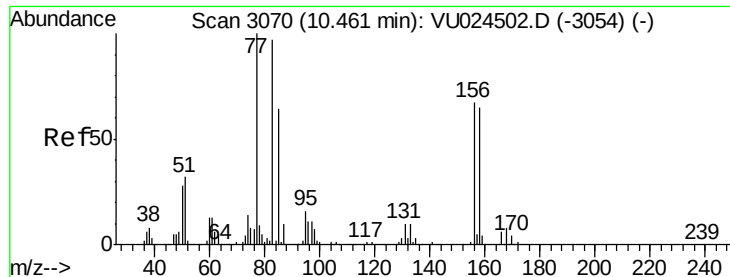
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#74
N-ethyl acetate
Concen: 48.436 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.2	48.4
55	22.1	20.5	30.7
61	23.3	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.467 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 198500

Ion Ratio Lower Upper

83 100

131 10.1 4.7 14.1

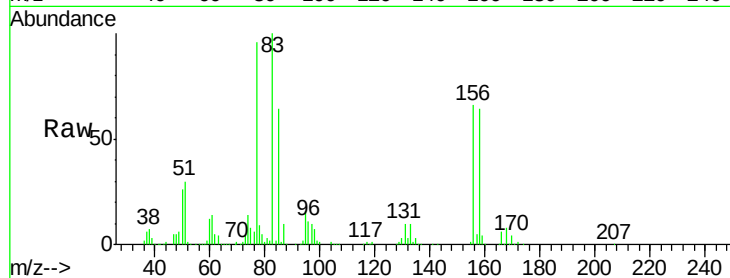
85 65.2 32.5 97.5

Manual Integrations

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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

10.46

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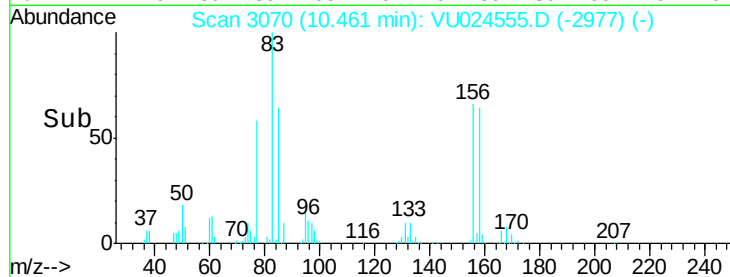
10.46

10.46

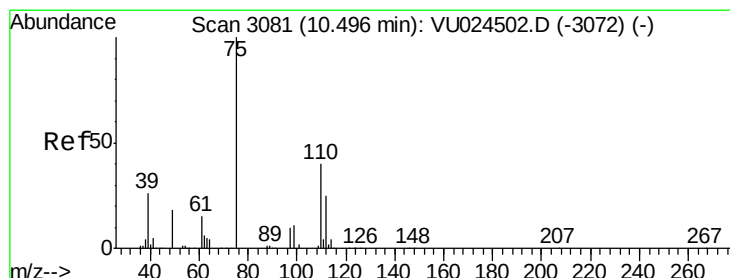
10.46

10.46

10.46



Time-->



#76

1,2,3-Trichloropropane

Concen: 49.023 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024555.D

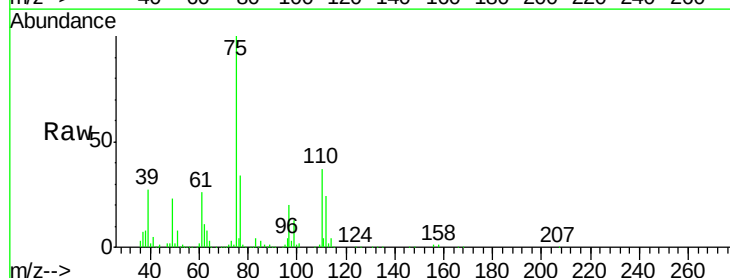
Acq: 14 Jun 2018 21:08

Tgt Ion: 75 Resp: 171813

Ion Ratio Lower Upper

75 100

77 41.4 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

10.50

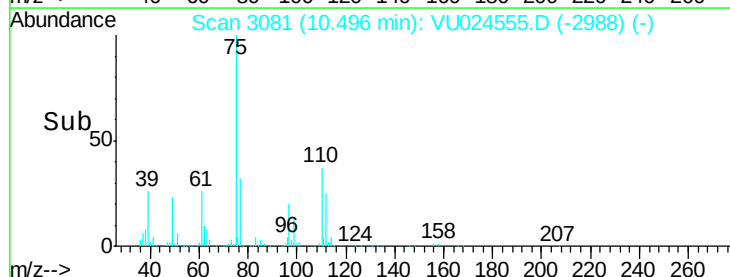
10.50

10.50

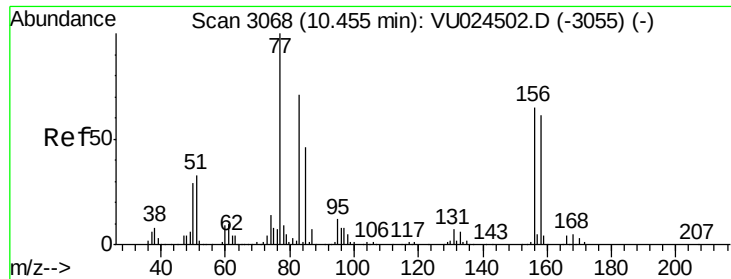
10.50

10.50

10.50



Time-->



#77

Bromobenzene

Concen: 47.388 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

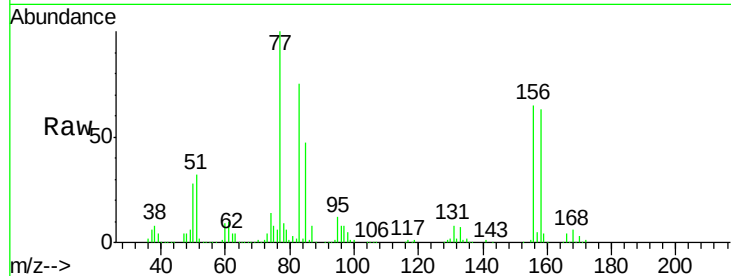
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	146626
Ion Ratio	Lower	Upper	
156	100		
77	152.8	80.5	241.3
158	96.8	48.2	144.6

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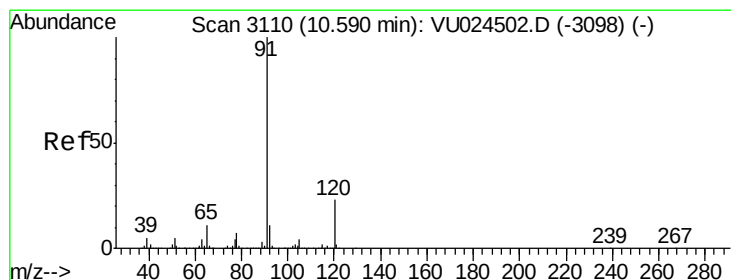
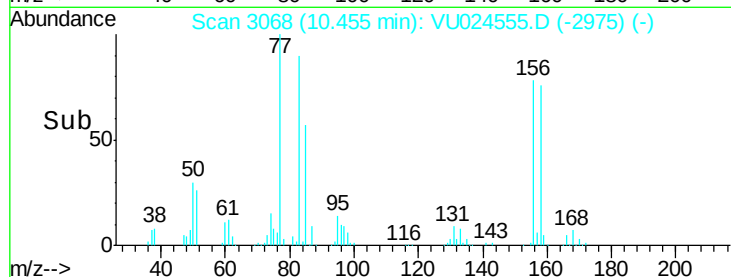
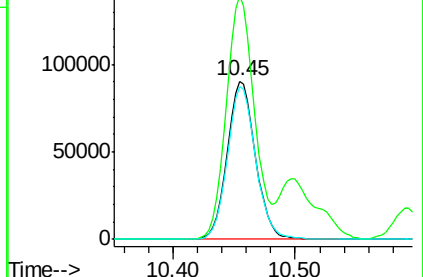
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.713 ug/l

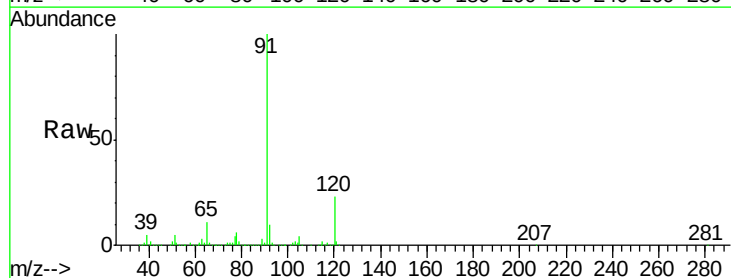
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024555.D

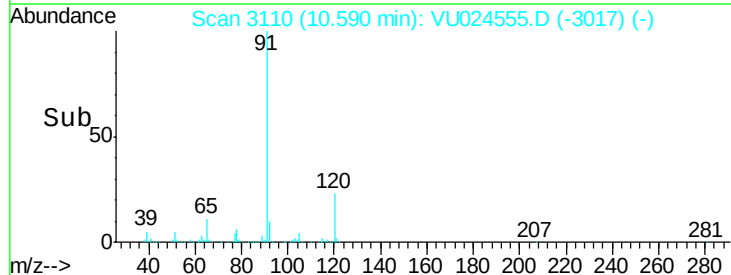
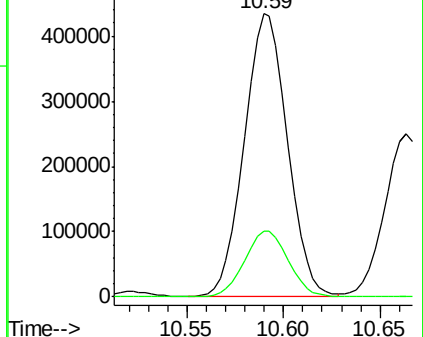
Acq: 14 Jun 2018 21:08

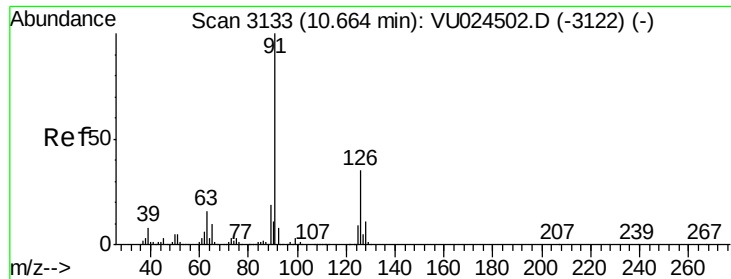
Tgt Ion:	91	Resp:	672544
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.190 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 392168

Ion Ratio Lower Upper

91 100

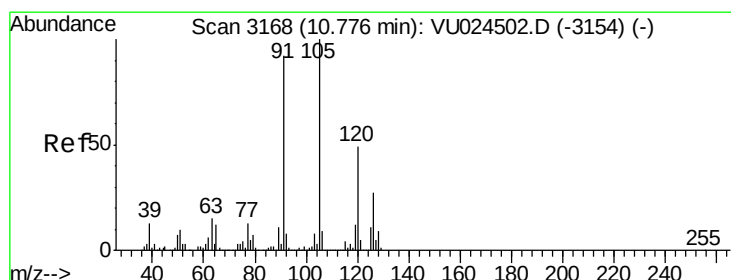
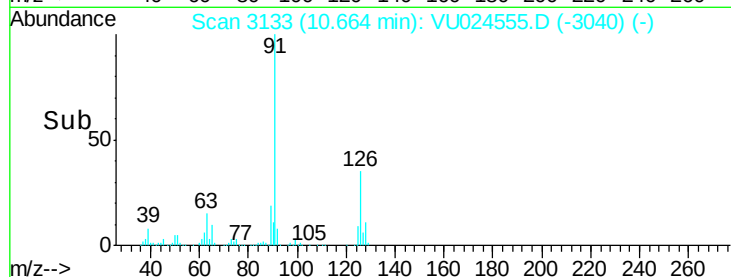
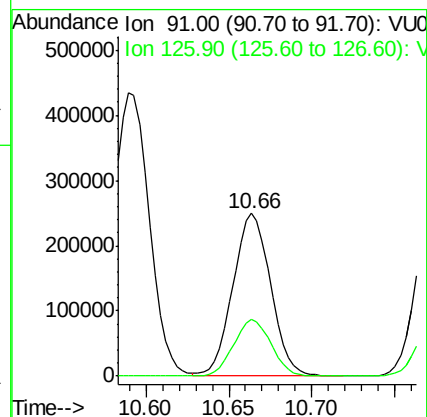
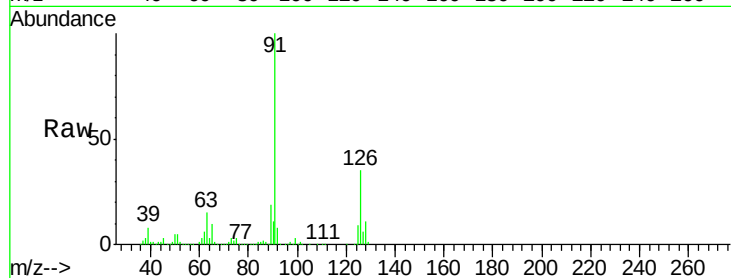
126 35.0 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.976 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024555.D

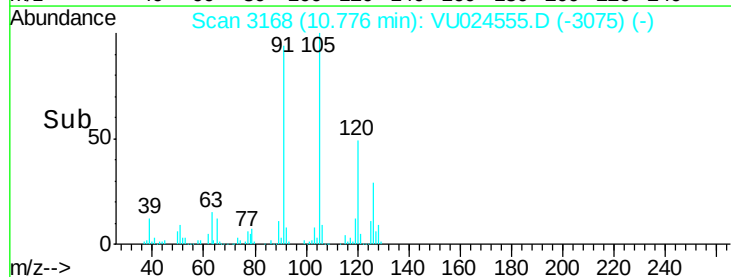
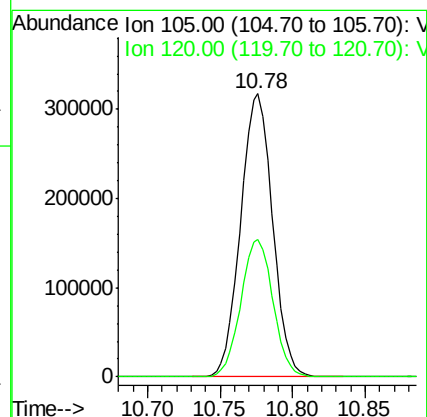
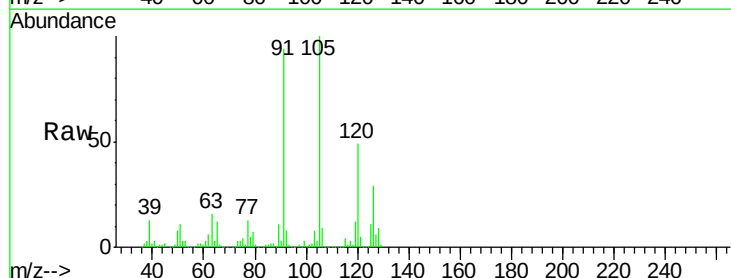
Acq: 14 Jun 2018 21:08

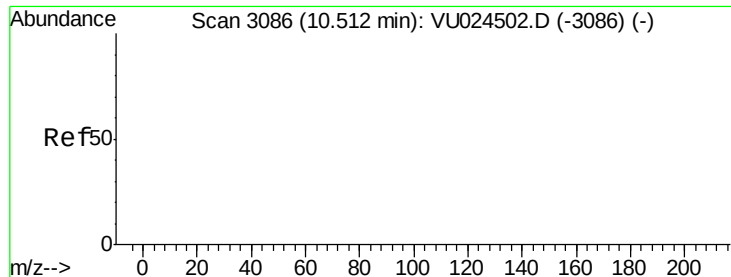
Tgt Ion: 105 Resp: 487039

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2





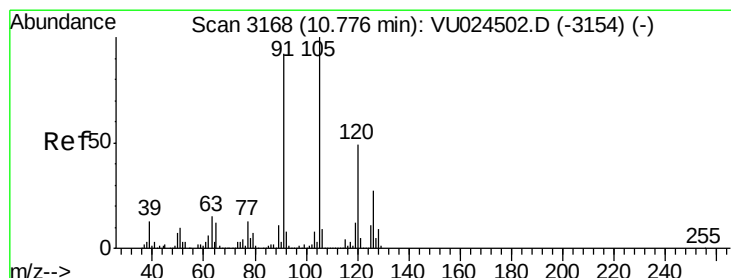
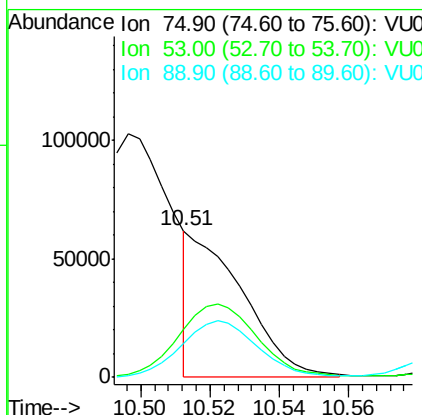
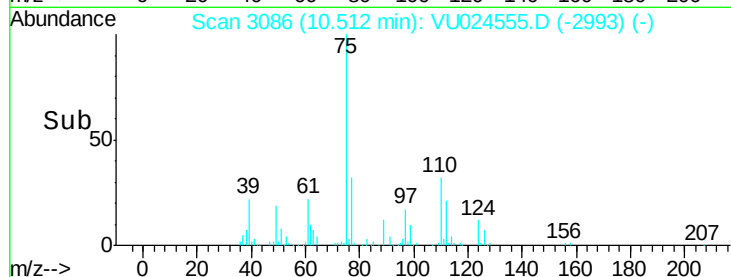
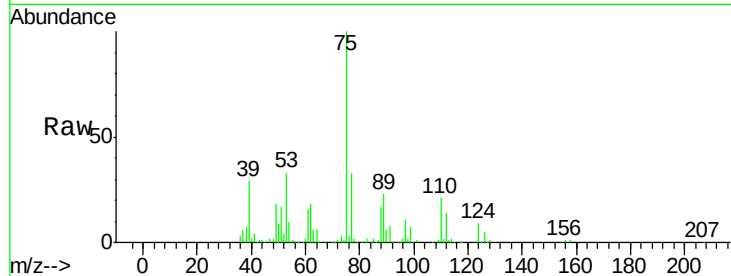
#81
trans-1,4-Dichloro-2-butene
Concen: 43.069 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

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

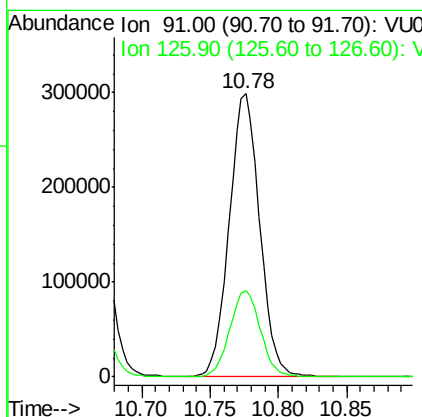
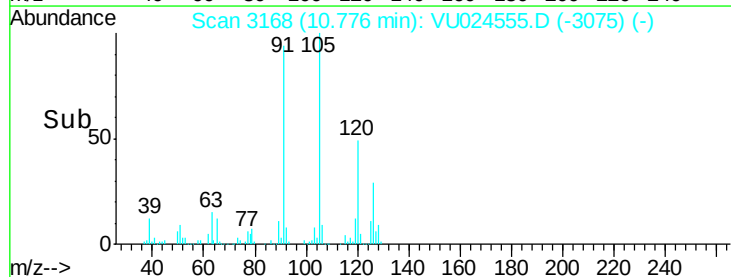
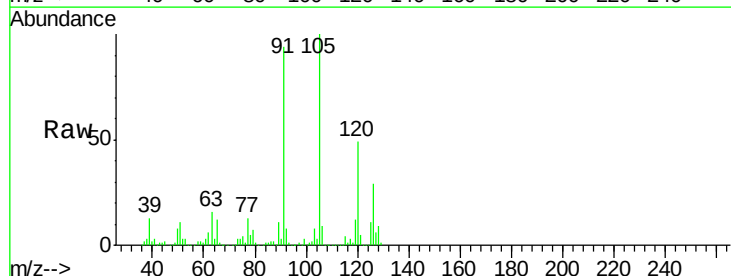
Manual Integrations
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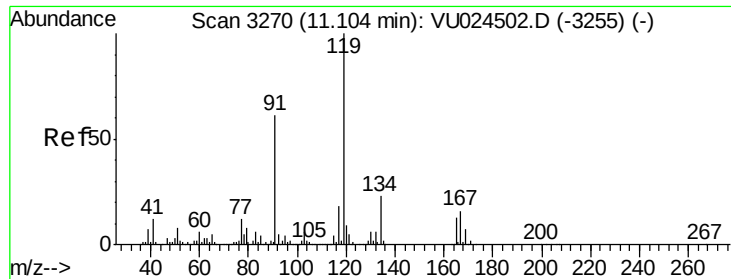
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#82
4-Chlorotoluene
Concen: 46.766 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	14.9	44.9





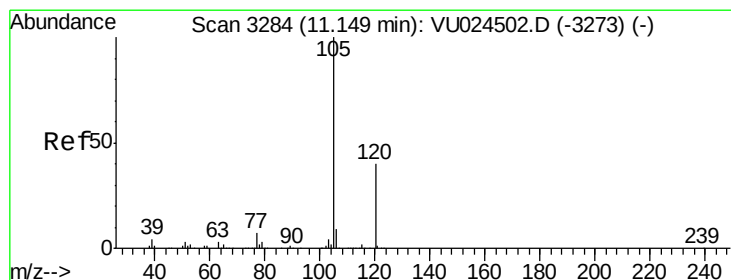
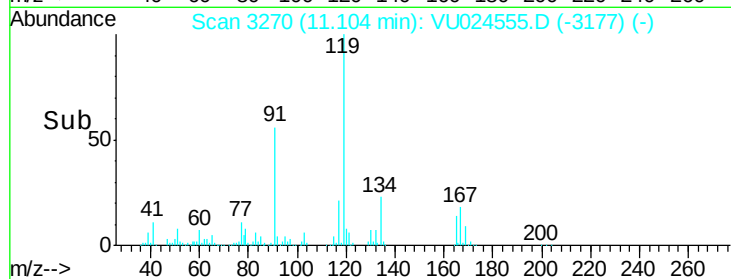
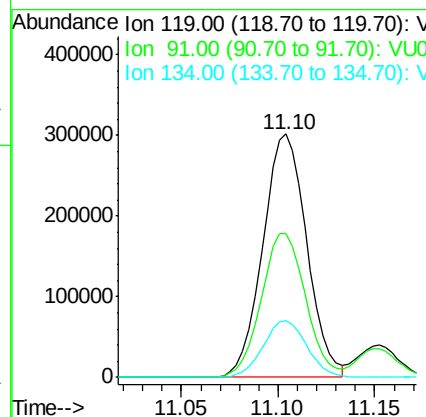
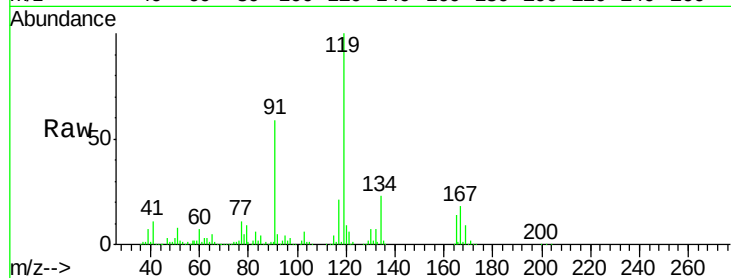
#83
 tert-Butylbenzene
 Concen: 46.954 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	478460		
91	59.6	29.7	89.1	
134	23.2	11.6	34.7	

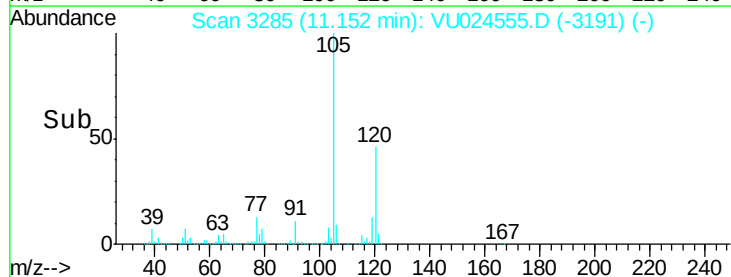
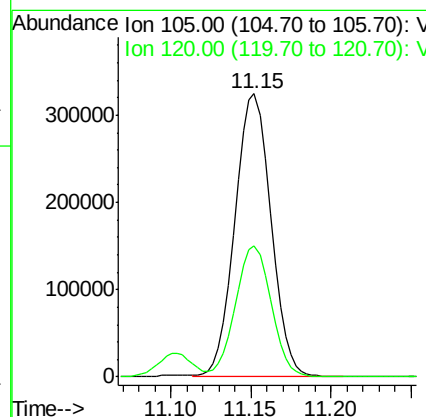
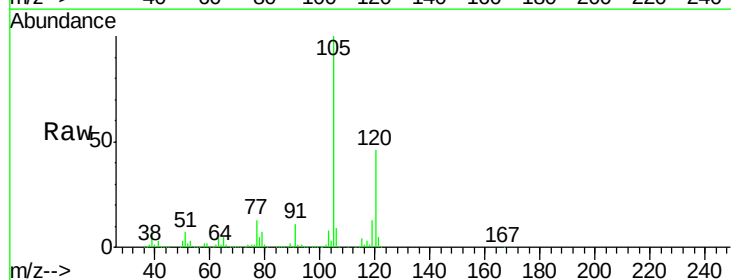
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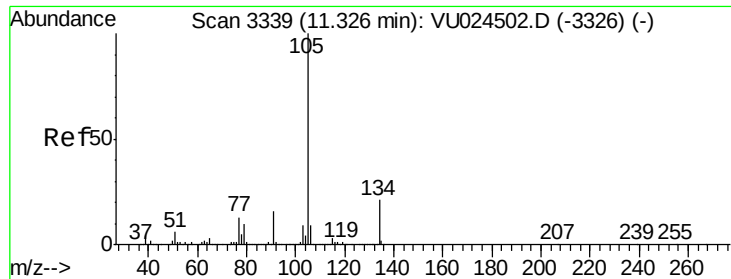
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.035 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	496970		
120	45.9	22.6	67.8	





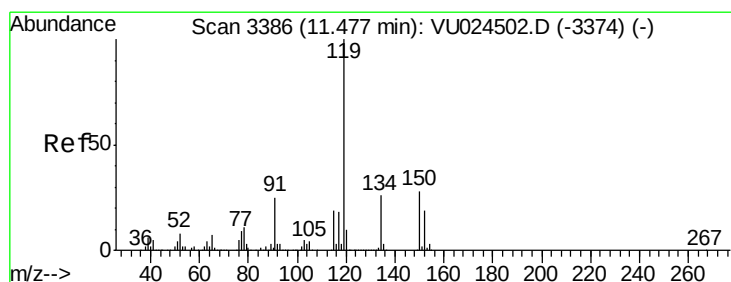
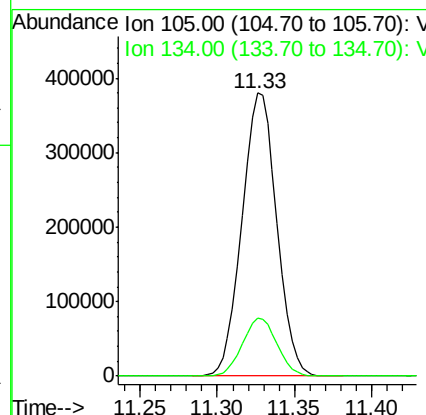
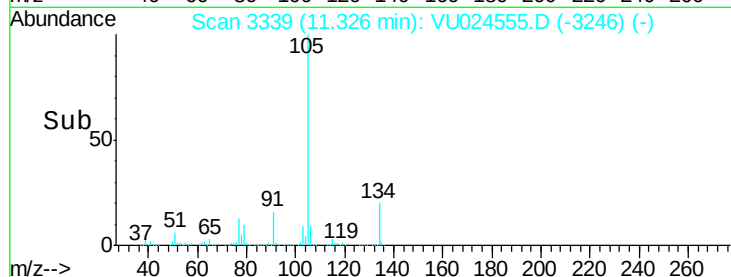
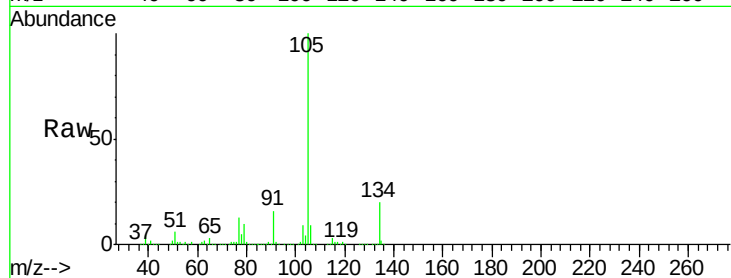
#85
 sec-Butylbenzene
 Concen: 46.420 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.7	29.1

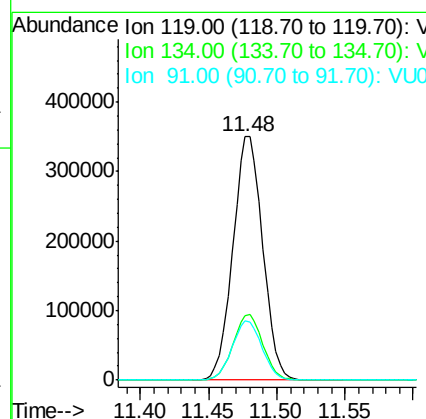
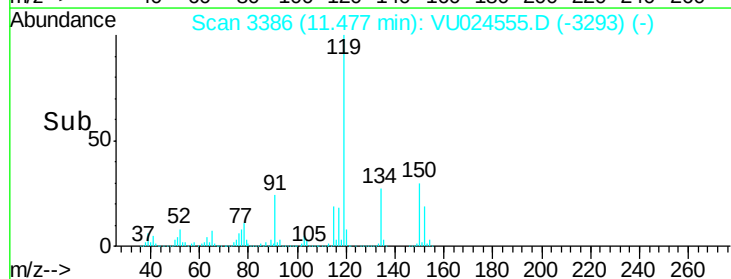
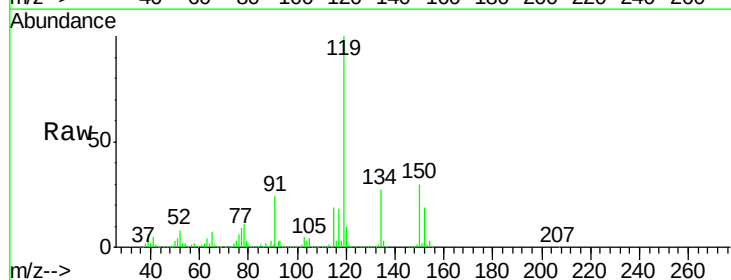
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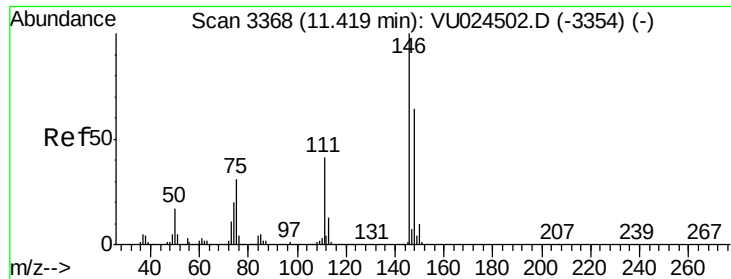
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#86
 p-Isopropyltoluene
 Concen: 46.325 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.9	38.6
91	24.3	12.0	36.1





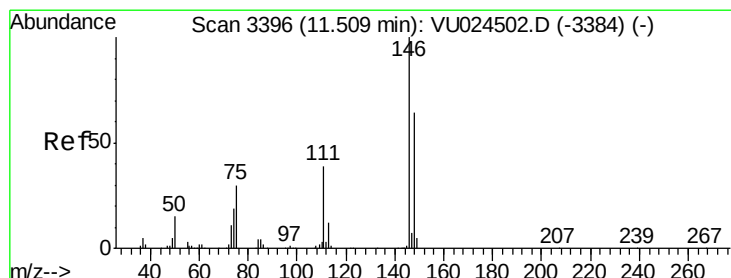
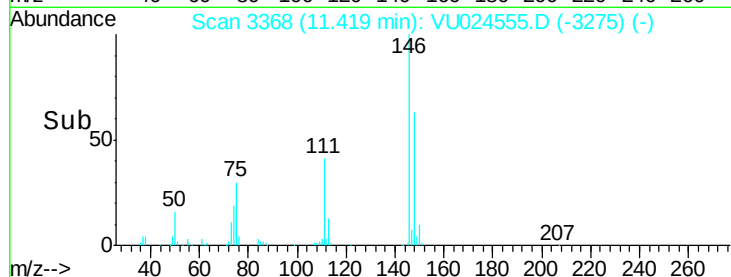
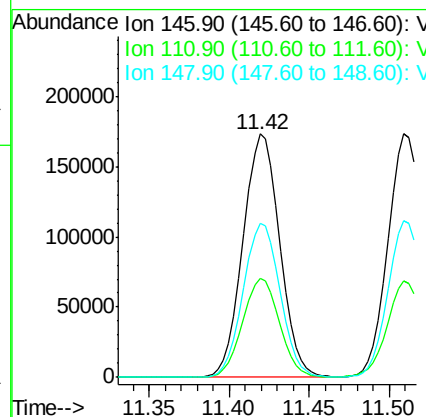
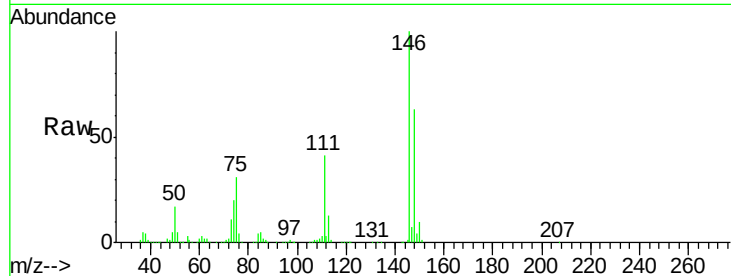
#87
 1,3-Dichlorobenzene
 Concen: 47.601 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	63.5	32.1	96.5

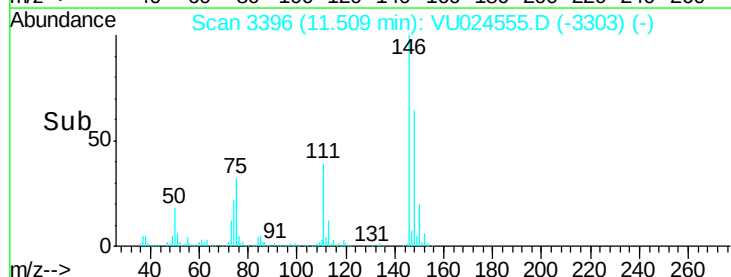
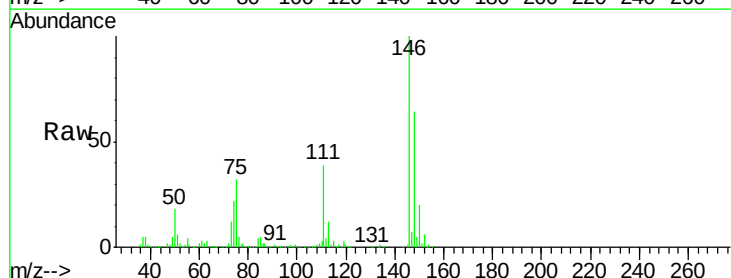
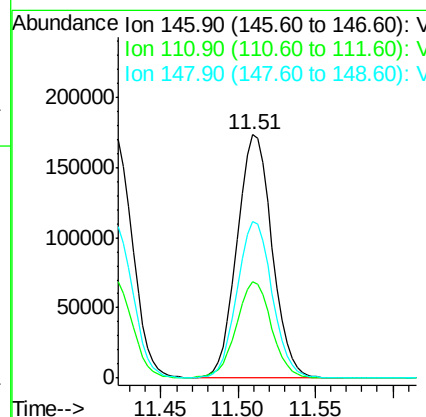
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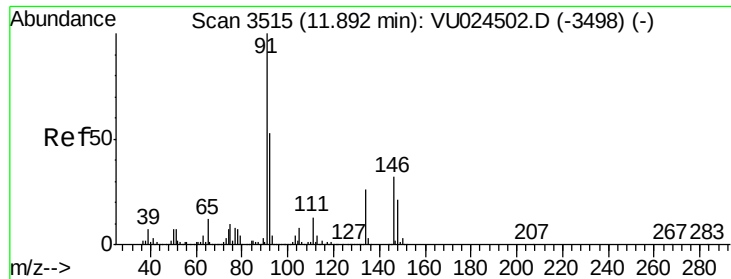
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#88
 1,4-Dichlorobenzene
 Concen: 47.357 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.5	58.5
148	64.4	32.4	97.0





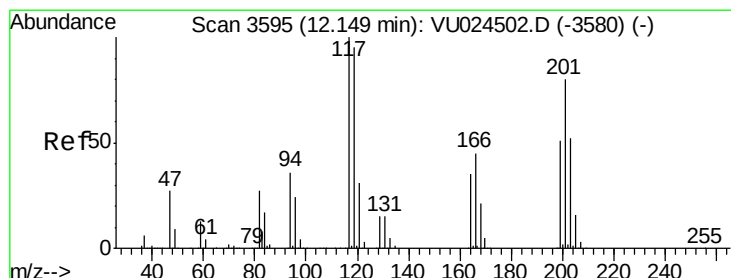
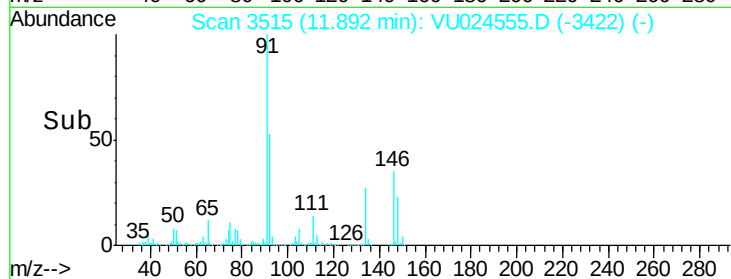
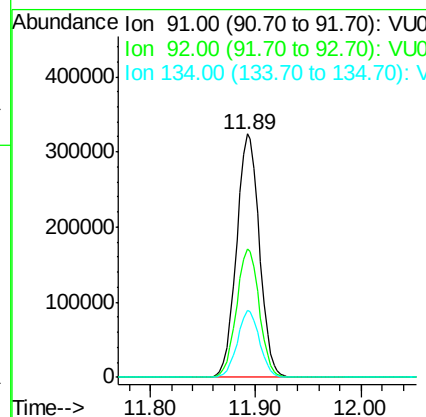
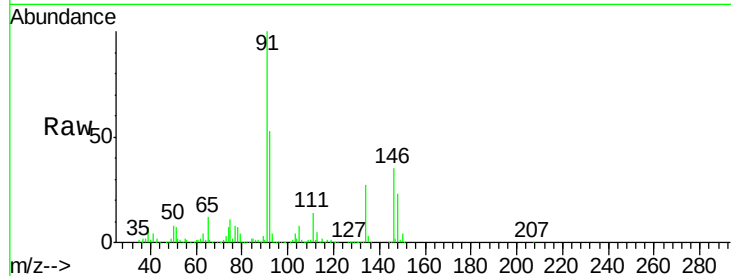
#89
n-Butylbenzene
Concen: 47.679 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.6	76.8
134	26.8	12.3	36.8

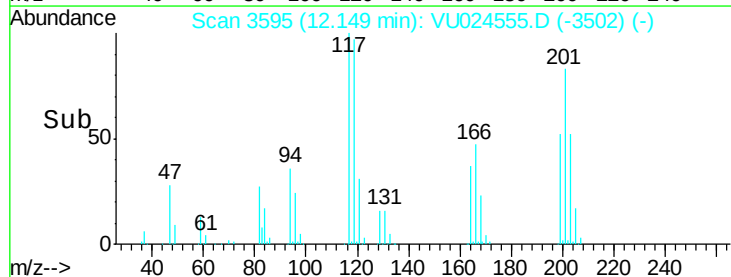
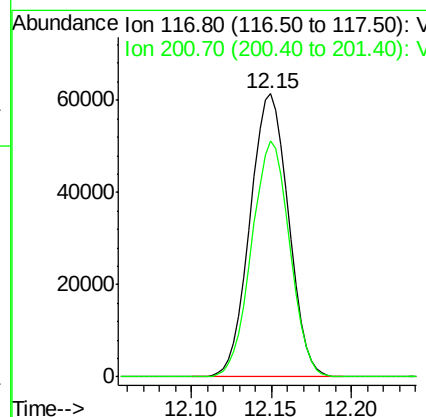
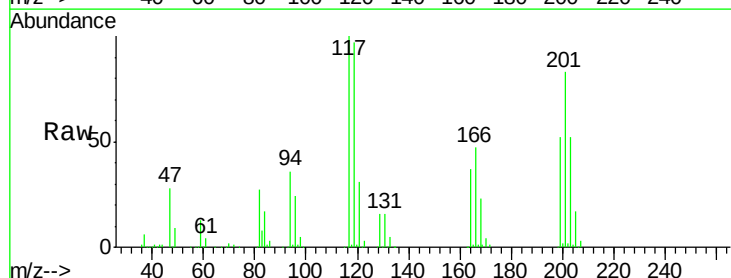
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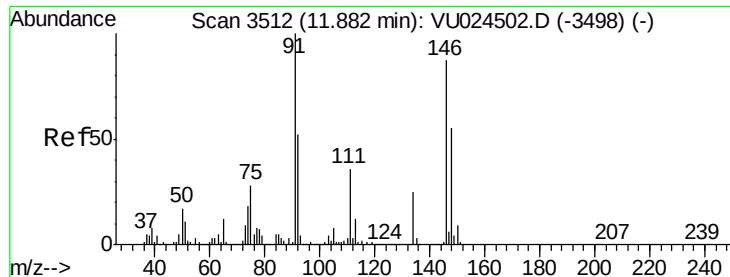
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#90
Hexachloroethane
Concen: 45.305 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024555.D
Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	41.1	123.3





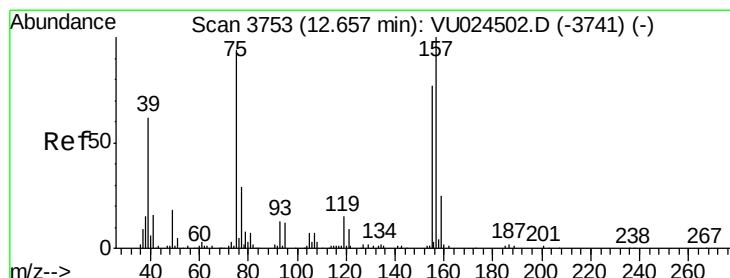
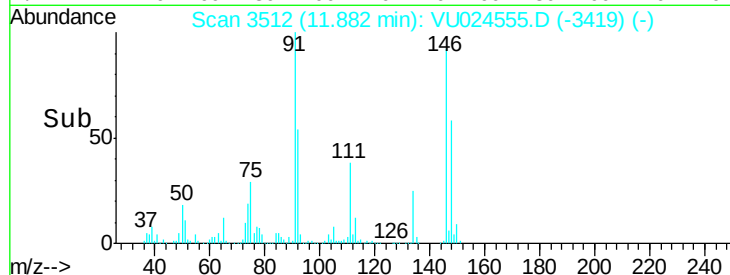
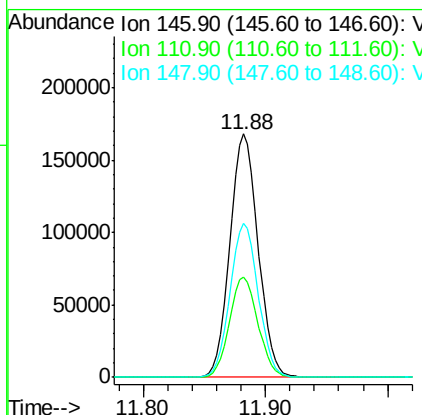
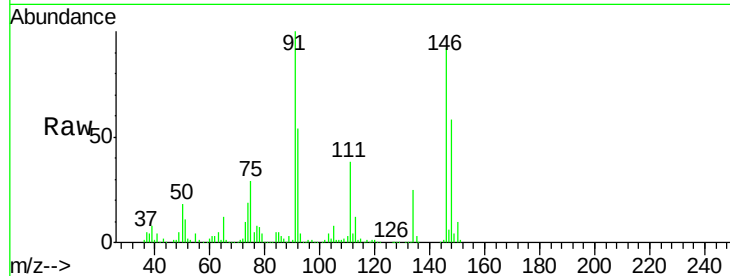
#91
 1,2-Dichlorobenzene
 Concen: 47.318 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	63.2	31.9	95.7

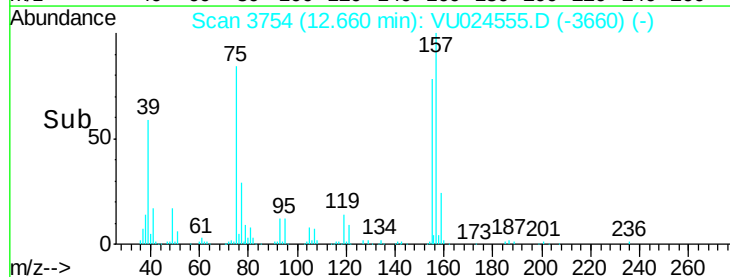
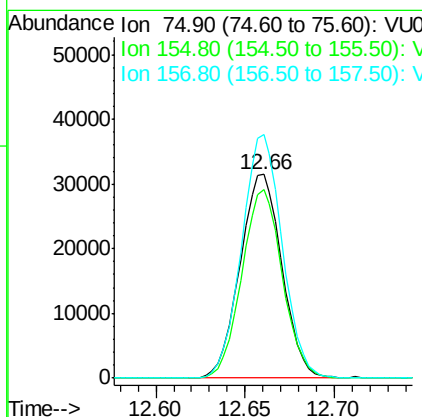
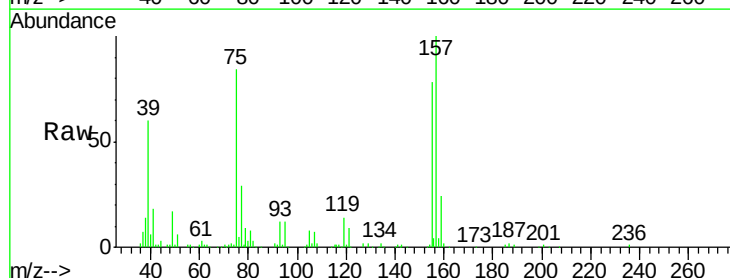
Manual Integrations
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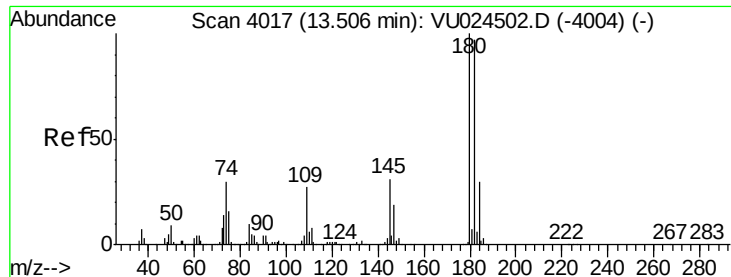
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.590 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	40.4	121.2
157	115.9	52.3	156.8





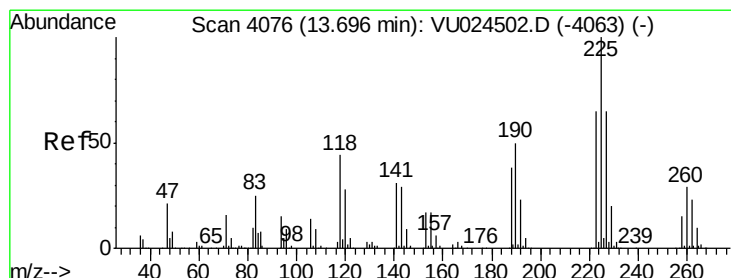
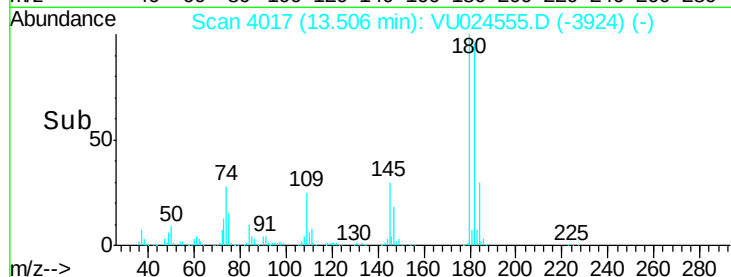
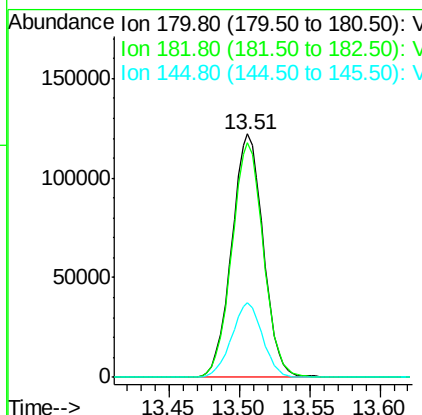
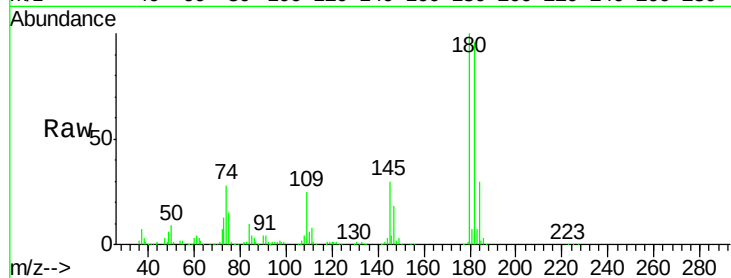
#93
 1,2,4-Trichlorobenzene
 Concen: 54.129 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	191388		
182	96.1	48.0	144.2	
145	30.1	14.7	44.1	

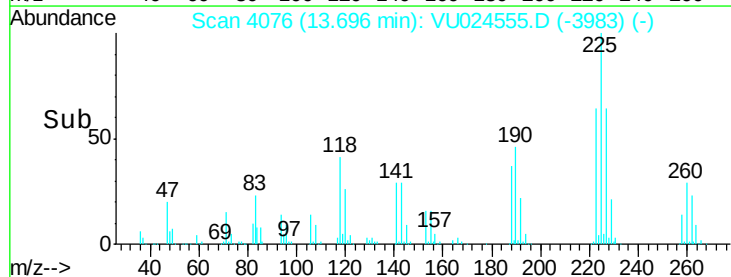
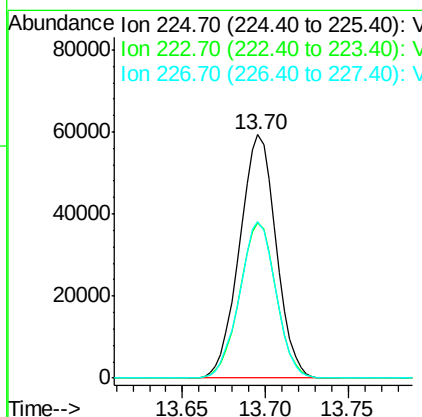
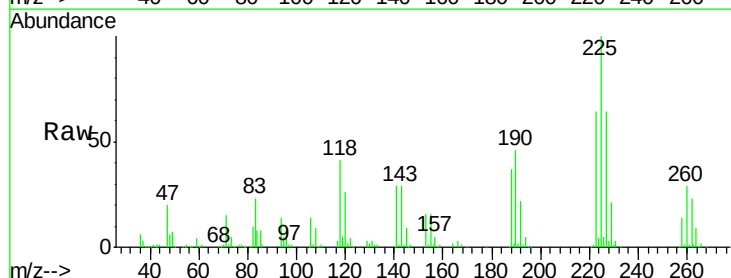
Manual Integrations
 APPROVED

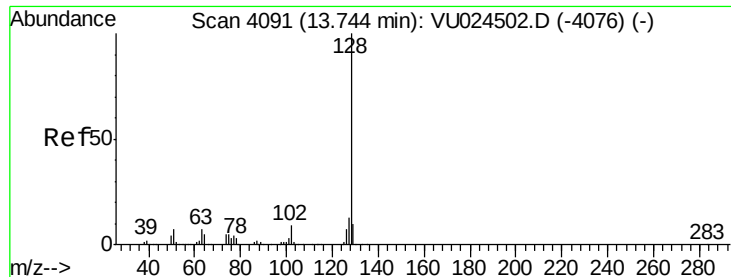
apatel
 6/15/2018 3:29:43 PM



#94
 Hexachlorobutadiene
 Concen: 45.692 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024555.D
 Acq: 14 Jun 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90933		
223	63.7	31.3	93.8	
227	63.7	31.8	95.4	





#95

Naphthalene

Concen: 51.577 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Instrument :

MSVOA_U

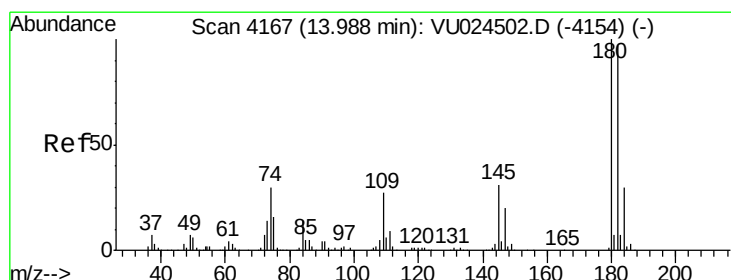
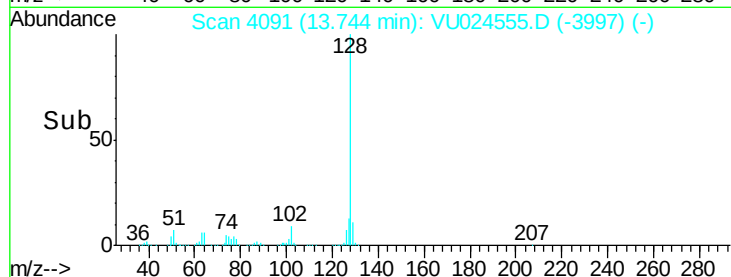
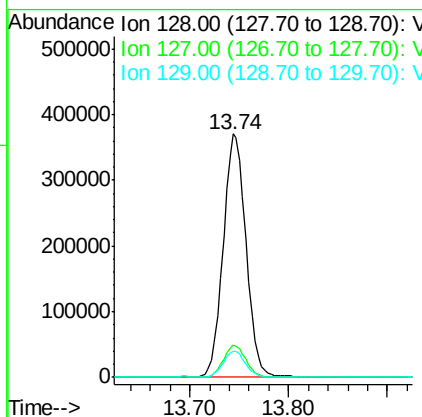
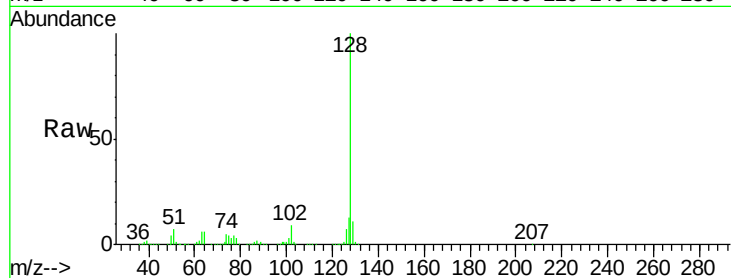
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	603978
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.6	8.6	12.8

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.308 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024555.D

Acq: 14 Jun 2018 21:08

Tgt Ion:	180	Resp:	194861
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.9	143.7
145	31.9	15.4	46.1

