

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003834.D
 Acq On : 02 Aug 2018 20:15
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 8/6/2018 1:35:46 PM

Quant Time: Aug 03 01:48:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	88977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	136416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	135327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	83960	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	65529	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	5.51	113	55217	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	8.72	98	208192	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.14	95	76672	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	36444	37.09	ug/l	100
3) Chloromethane	1.32	50	67756	50.05	ug/l	100
4) Vinyl Chloride	1.40	62	55560	41.79	ug/l	100
5) Bromomethane	1.64	94	25369	39.82	ug/l	100
6) Chloroethane	1.71	64	29632	37.39	ug/l	100
7) Trichlorofluoromethane	1.92	101	66350	39.13	ug/l	100
8) Diethyl Ether	2.19	74	35598	46.55	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37184	36.00	ug/l	100
10) Methyl Iodide	2.51	142	68925	51.29	ug/l	100
11) Tert butyl alcohol	3.09	59	70654	227.95	ug/l	100
12) 1,1-Dichloroethene	2.37	96	42133	41.88	ug/l	100
13) Acrolein	2.29	56	60733	374.48	ug/l	100
14) Allyl chloride	2.72	41	86509	41.54	ug/l	100
15) Acrylonitrile	3.15	53	167184	222.67	ug/l	100
16) Acetone	2.45	43	166021	262.73	ug/l	100
17) Carbon Disulfide	2.56	76	121140	41.87	ug/l	100
18) Methyl Acetate	2.78	43	76535	41.88	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	173473	47.94	ug/l	100
20) Methylene Chloride	2.86	84	56915	46.69	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	50129	45.82	ug/l	100
22) Diisopropyl ether	3.87	45	169908	44.25	ug/l	100
23) Vinyl Acetate	3.82	43	742427	225.39	ug/l	100
24) 1,1-Dichloroethane	3.70	63	94591	43.51	ug/l	100
25) 2-Butanone	4.71	43	293818	294.58	ug/l	100
26) 2,2-Dichloropropane	4.59	77	59926	43.88	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	60969	50.46	ug/l	100
28) Bromochloromethane	5.02	49	48199	53.03	ug/l	100
29) Tetrahydrofuran	5.17	42	152440	246.26	ug/l	100
30) Chloroform	5.22	83	99219	49.34	ug/l	100
31) Cyclohexane	5.57	56	65810	38.79	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	77834	47.29	ug/l	100
36) 1,1-Dichloropropene	5.80	75	66550	42.68	ug/l	100
37) Ethyl Acetate	4.87	43	88517	46.48	ug/l	100
38) Carbon Tetrachloride	5.79	117	64965	43.22	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	62001	37.34	ug/l	100
40) Benzene	6.14	78	228579	48.68	ug/l	100
41) Methacrylonitrile	5.07	41	49304	46.77	ug/l	100
42) 1,2-Dichloroethane	6.20	62	78916	47.80	ug/l	100
43) Isopropyl Acetate	6.47	43	136313	49.11	ug/l	100
44) Trichloroethene	7.21	130	58818	46.85	ug/l	100
45) 1,2-Dichloropropane	7.52	63	60880	50.01	ug/l	100
46) Dibromomethane	7.67	93	40144	50.98	ug/l	100
47) Bromodichloromethane	7.90	83	74990	50.99	ug/l	100
48) Methyl methacrylate	7.78	41	70043	49.72	ug/l	100
49) 1,4-Dioxane	7.76	88	32935	1040.86	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	580486	296.93	ug/l	100
52) Toluene	8.79	92	142442	48.80	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	84806	52.07	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	91315	51.09	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	61961	51.47	ug/l	100
56) Ethyl methacrylate	9.18	69	93990	52.74	ug/l	100
57) 1,3-Dichloropropane	9.37	76	101966	50.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	243476	270.46	ug/l	100
59) 2-Hexanone	9.50	43	449612	300.16	ug/l	100
60) Dibromochloromethane	9.59	129	62799	54.72	ug/l	100
61) 1,2-Dibromoethane	9.68	107	65318	51.98	ug/l	100
64) Tetrachloroethene	9.34	164	54868	45.04	ug/l	100
65) Chlorobenzene	10.14	112	164807	48.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	60413	50.92	ug/l	100
67) Ethyl Benzene	10.26	91	266673	47.46	ug/l	100
68) m/p-Xylenes	10.36	106	210798	97.59	ug/l	100
69) o-Xylene	10.70	106	104399	49.96	ug/l	100
70) Styrene	10.71	104	180091	51.25	ug/l	100
71) Bromoform	10.86	173	51521	54.49	ug/l	100
73) Isopropylbenzene	11.02	105	261892	46.56	ug/l	100
74) N-amyl acetate	6.47	43	136313	46.23	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	98741	46.88	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	86019m	48.94	ug/l	
77) Bromobenzene	11.26	156	78813	50.43	ug/l	100
78) n-propylbenzene	11.36	91	299421	46.27	ug/l	100
79) 2-Chlorotoluene	11.42	91	187876	47.23	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	230874	48.32	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	29054	51.49	ug/l	100
82) 4-Chlorotoluene	11.51	91	221347	47.27	ug/l	100
83) tert-Butylbenzene	11.77	119	221739	47.43	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	243538	49.43	ug/l	100
85) sec-Butylbenzene	11.95	105	247741	44.95	ug/l	100
86) p-Isopropyltoluene	12.07	119	231379	46.54	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	141304	48.82	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	144729	48.06	ug/l	100
89) n-Butylbenzene	12.39	91	191171	43.01	ug/l	100
90) Hexachloroethane	12.60	117	36637	47.88	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	145578	49.10	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22338	50.66	ug/l	100

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ClientSampleId :
VSTDICCC050

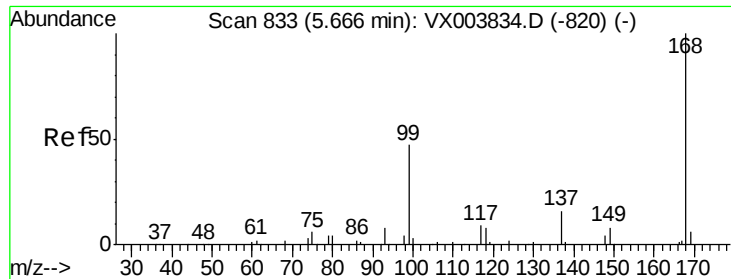
Manual Integrations
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Quant Time: Aug 03 01:48:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 03 01:37:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	105597	49.93	ug/l	100
94) Hexachlorobutadiene	13.79	225	40063	41.97	ug/l	100
95) Naphthalene	13.83	128	338497	52.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110465	51.33	ug/l	100

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



#1

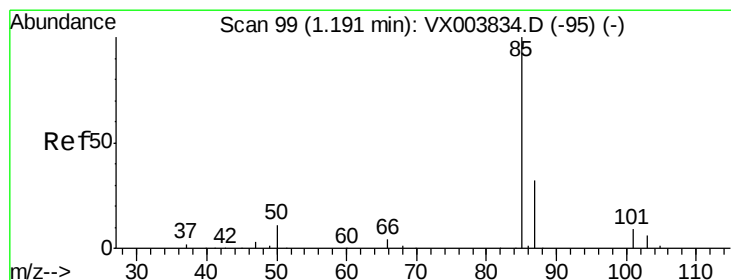
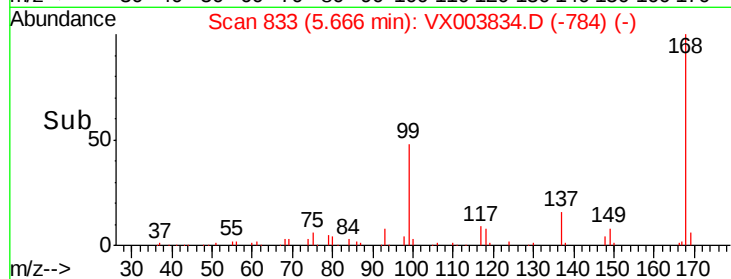
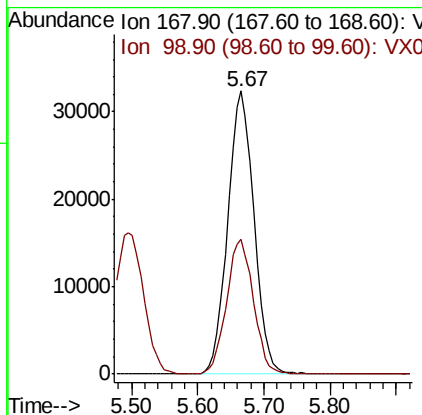
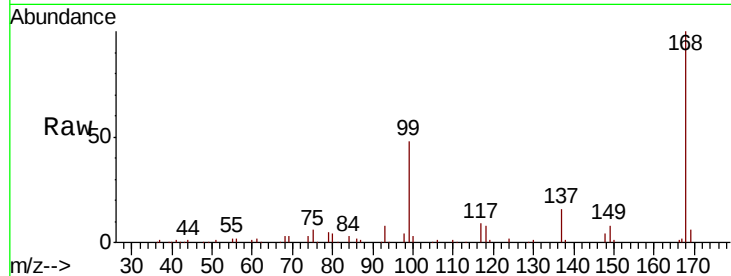
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.6	38.1	57.1

Manual Integrations
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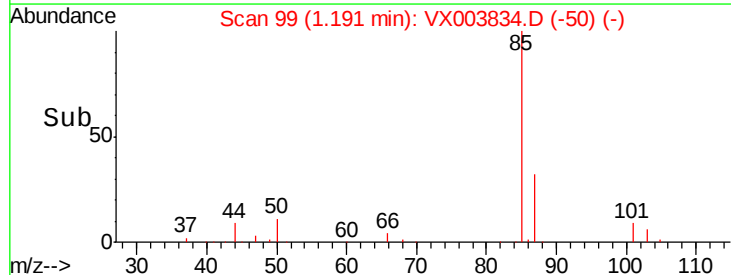
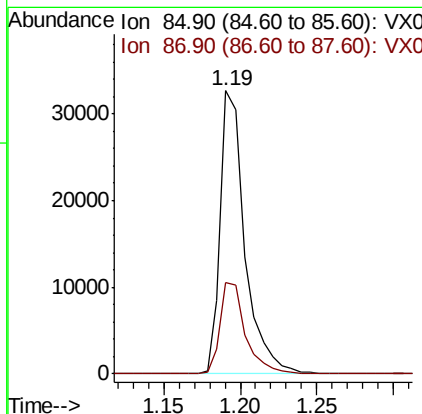
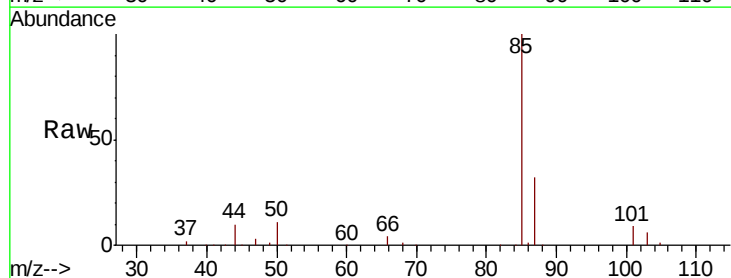
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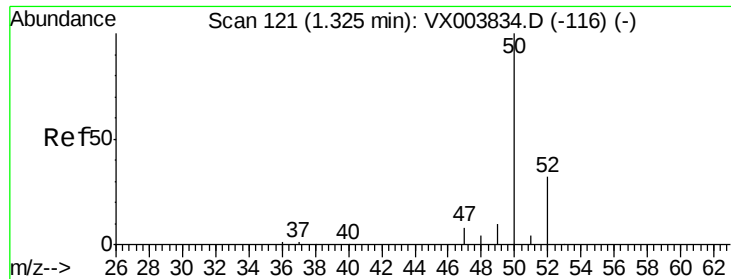


#2

Dichlorodifluoromethane
 Concen: 37.09 ug/l
 RT: 1.19 min Scan# 99
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.5





#3

Chloromethane

Concen: 50.05 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 67756

Ion Ratio Lower Upper

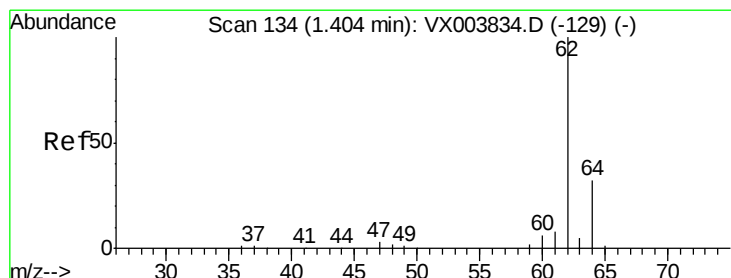
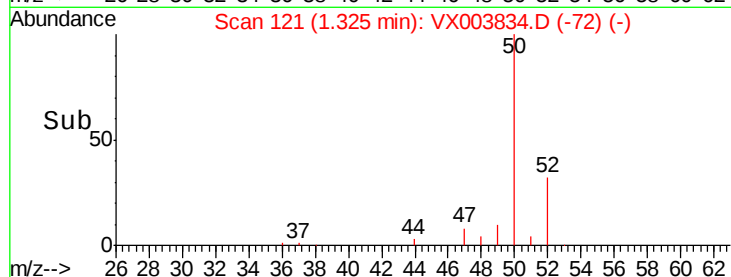
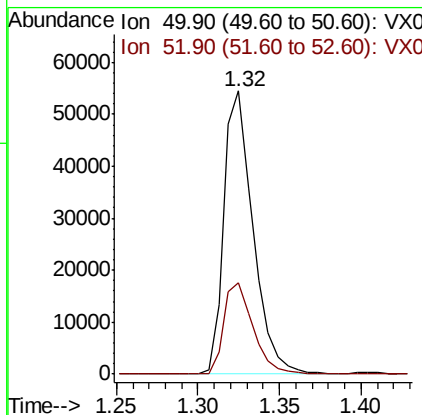
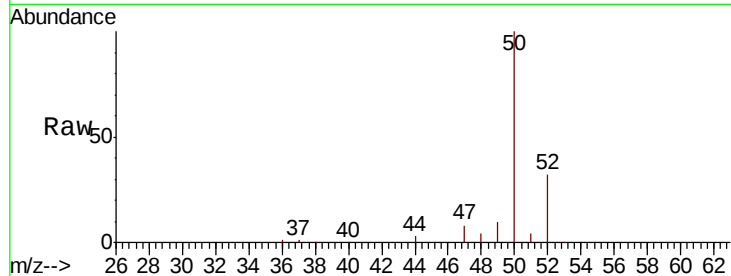
50 100

52 32.3 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 41.79 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003834.D

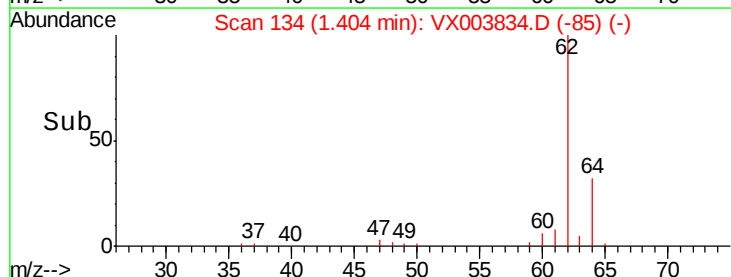
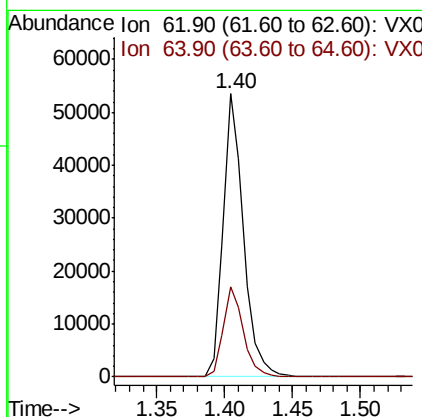
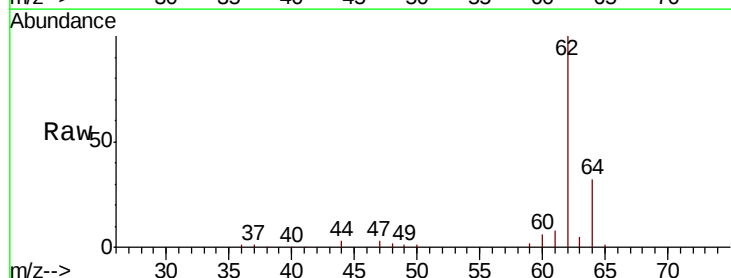
Acq: 02 Aug 2018 20:15

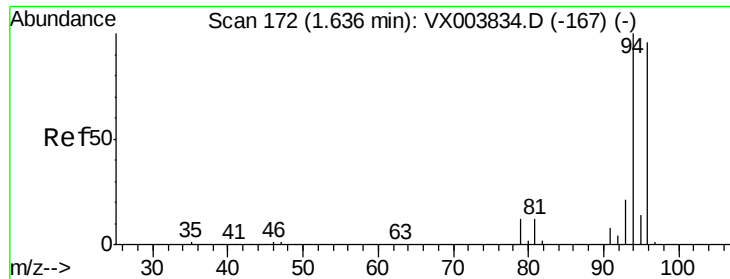
Tgt Ion: 62 Resp: 55560

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





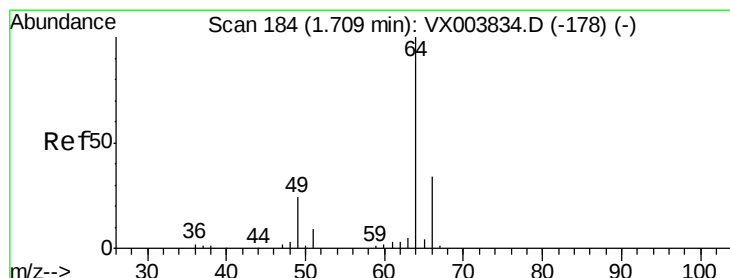
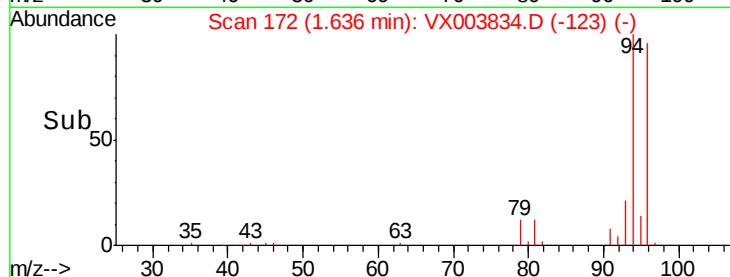
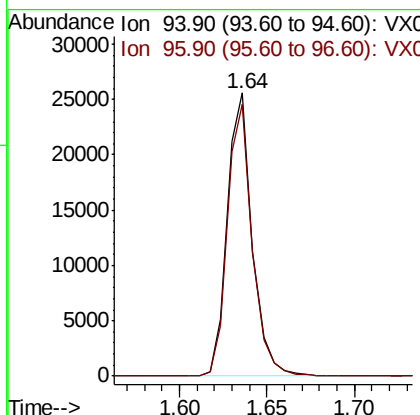
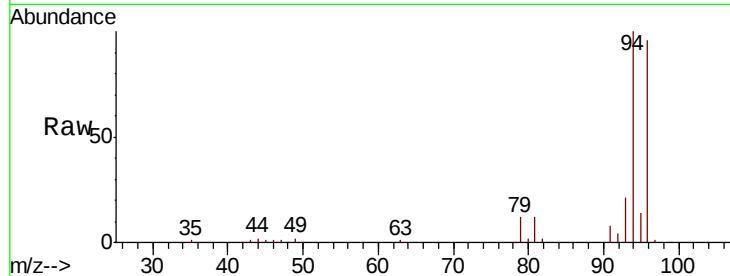
#5
Bromomethane
Concen: 39.82 ug/l
RT: 1.64 min Scan# 172
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
94	100		
96	96.1	76.9	115.3

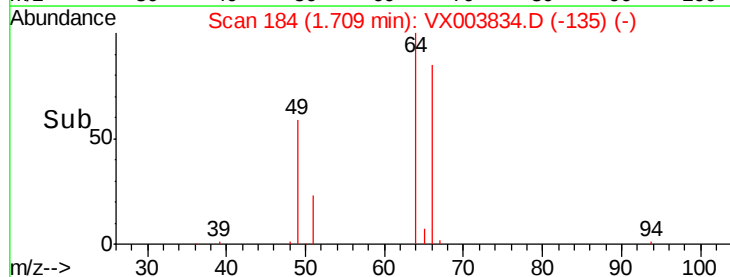
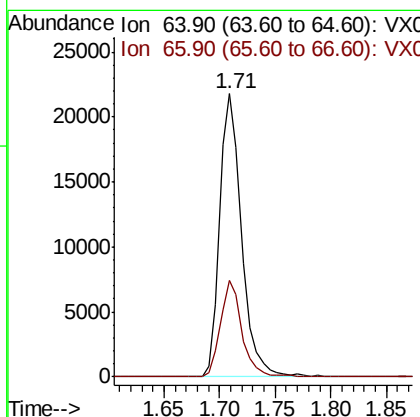
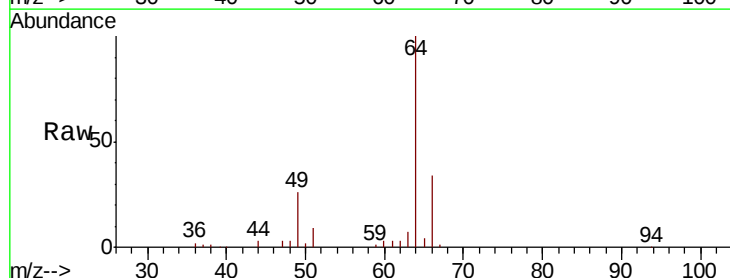
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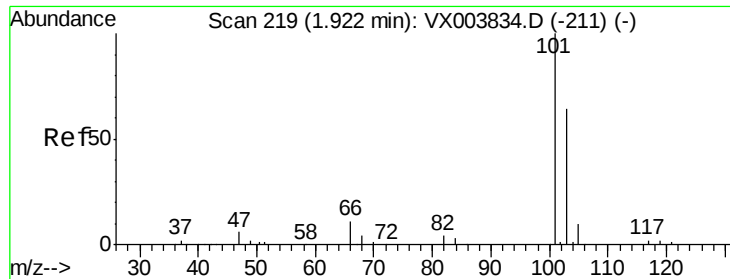
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#6
Chloroethane
Concen: 37.39 ug/l
RT: 1.71 min Scan# 184
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
64	100		
66	34.0	27.2	40.8





#7

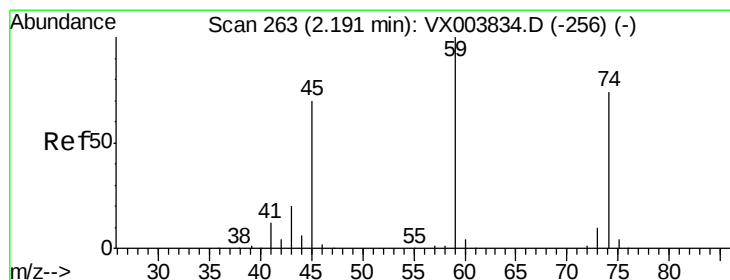
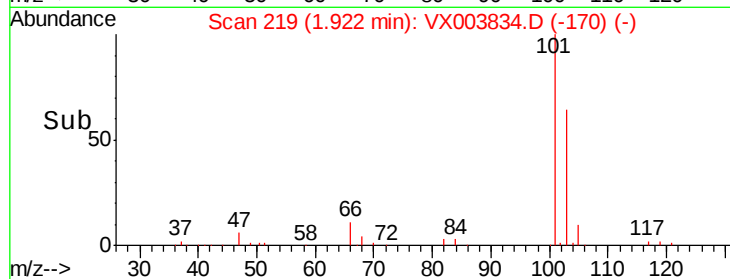
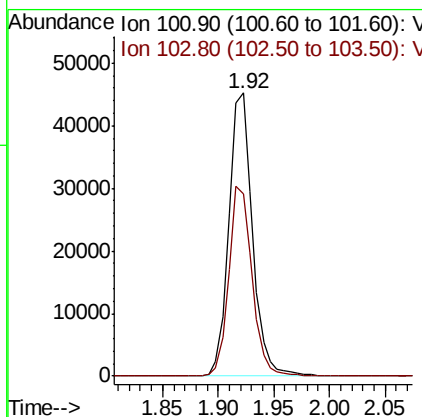
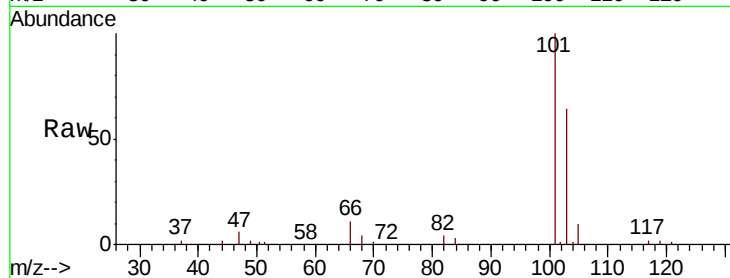
Trichlorofluoromethane
Concen: 39.13 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:101 Resp: 66350
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0

Manual Integrations
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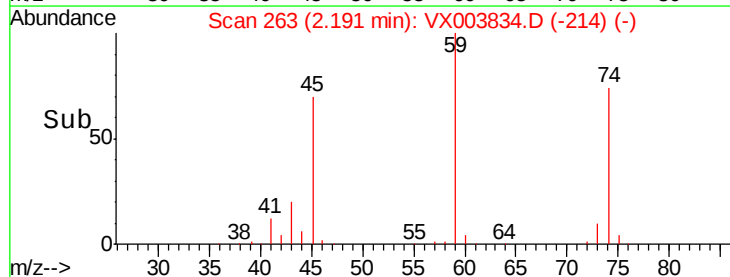
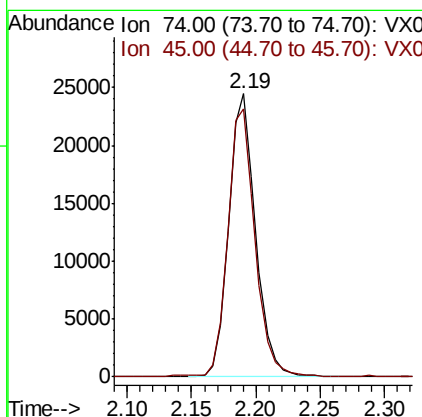
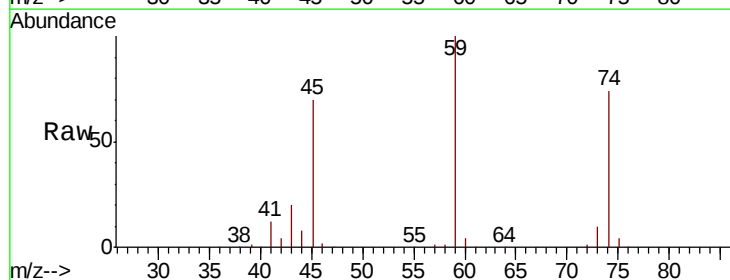
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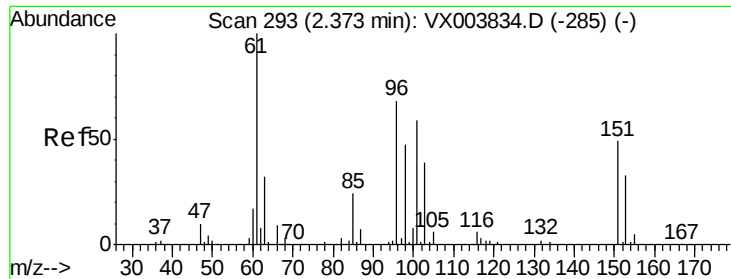


#8

Diethyl Ether
Concen: 46.55 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion: 74 Resp: 35598
Ion Ratio Lower Upper
74 100
45 96.8 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.00 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

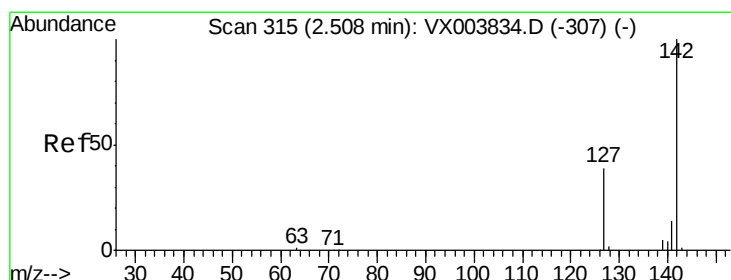
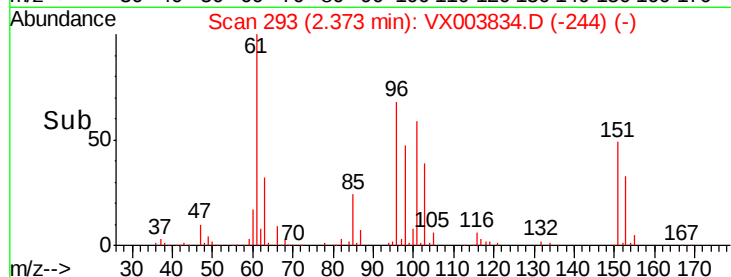
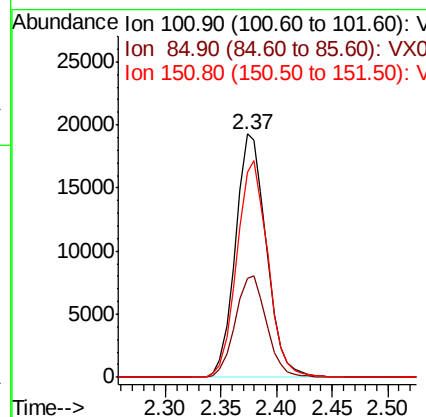
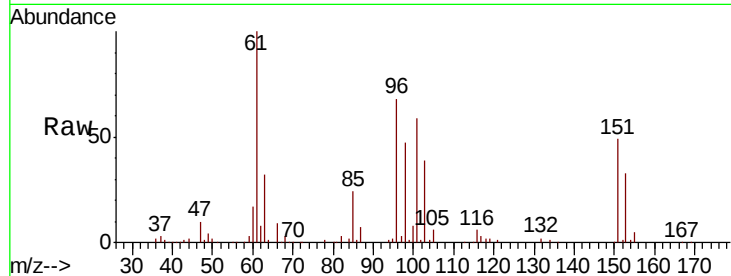
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	37184
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	88.7	71.0	106.4

Manual Integrations
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#10

Methyl Iodide

Concen: 51.29 ug/l

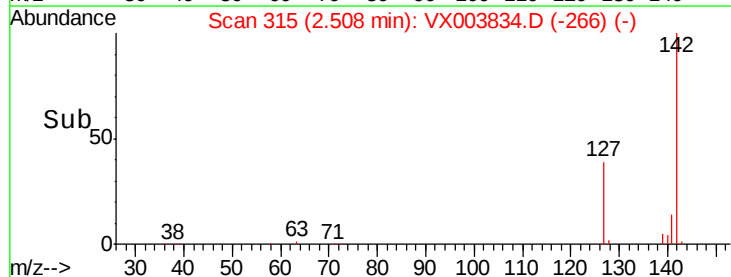
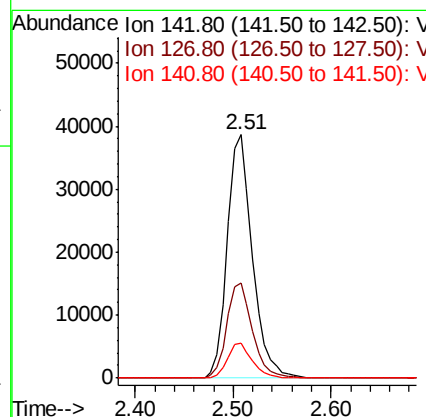
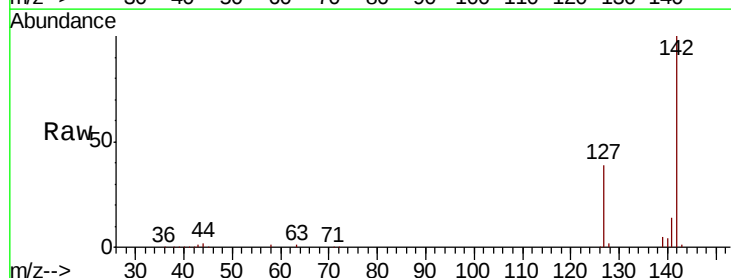
RT: 2.51 min Scan# 315

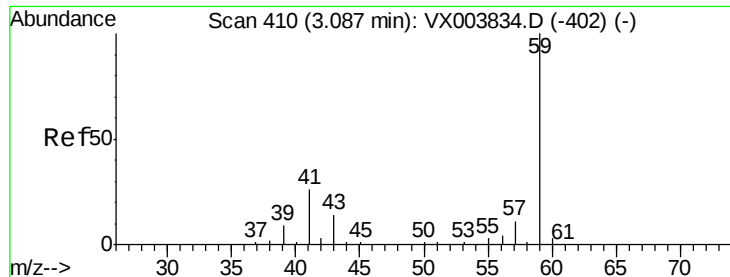
Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	142	Resp:	68925
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.8	47.8
141	14.1	11.3	16.9





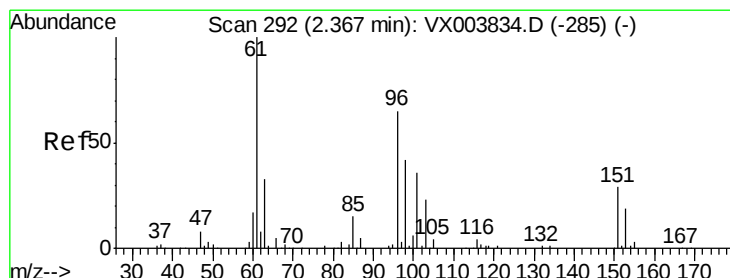
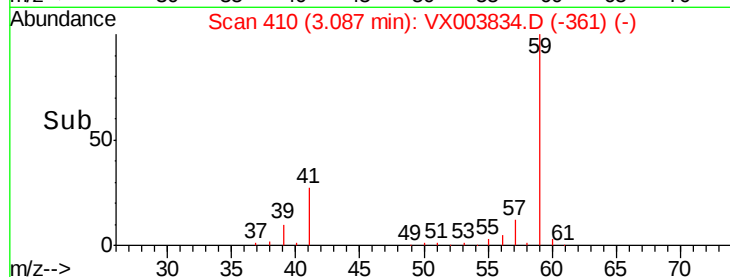
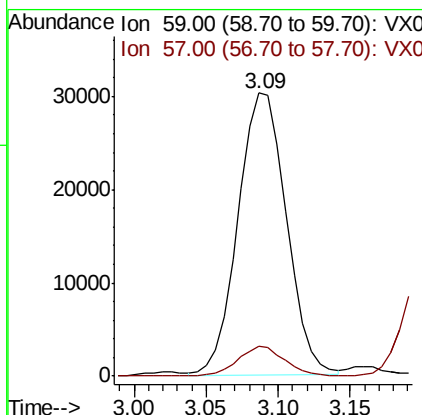
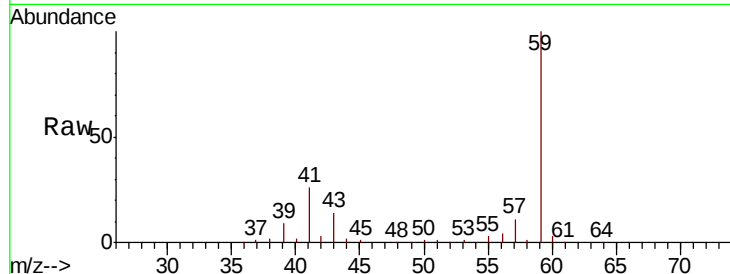
#11
Tert butyl alcohol
Concen: 227.95 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

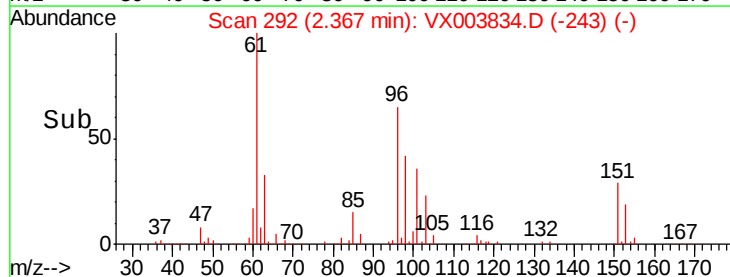
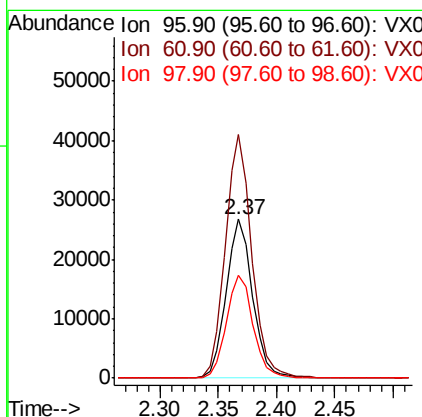
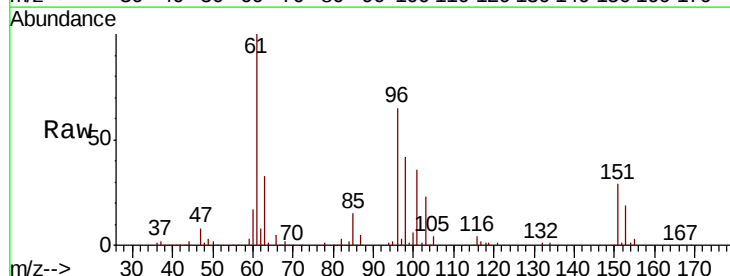
Manual Integrations
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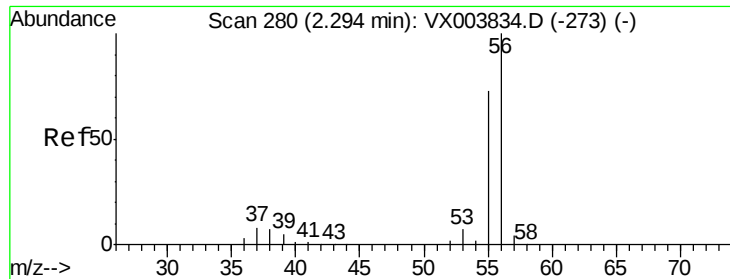
MMDadoda
8/6/2018 1:35:46 PM



#12
1,1-Dichloroethene
Concen: 41.88 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	122.8	184.2
98	64.8	51.8	77.8





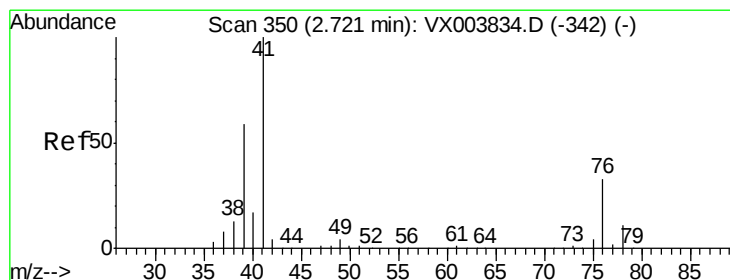
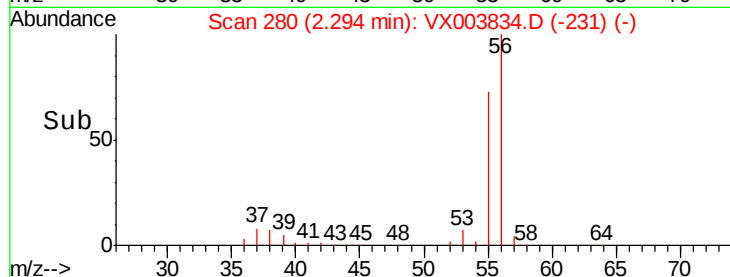
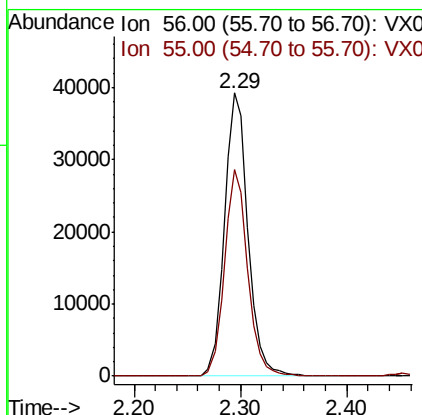
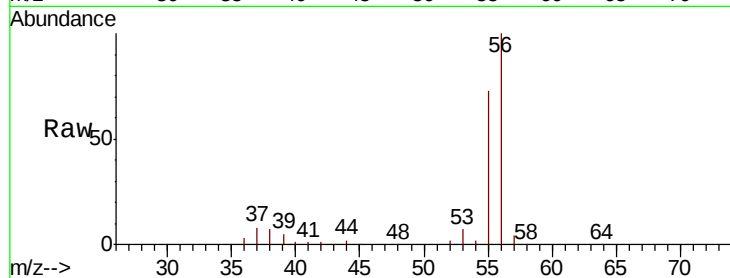
#13
Acrolein
Concen: 374.48 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	60733
Ion Ratio	100	Lower	Upper
56	100		
55	72.1	57.7	86.5

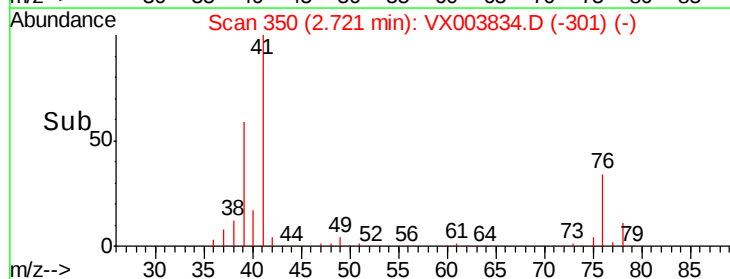
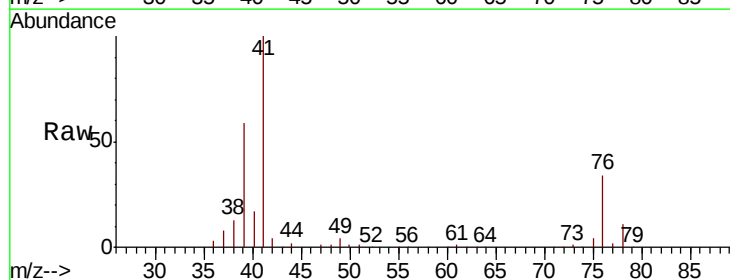
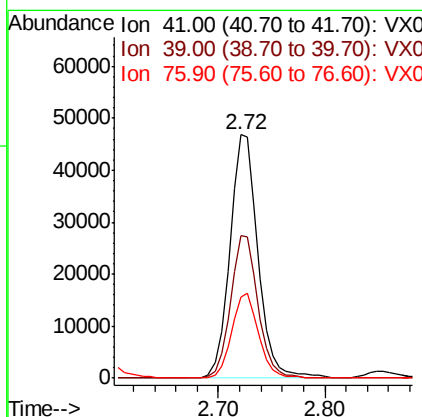
Manual Integrations
APPROVED

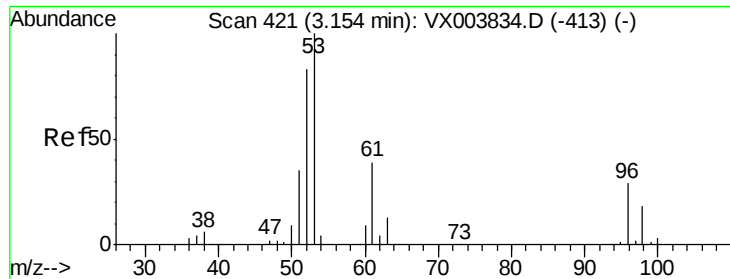
MMDadoda
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#14
Allyl chloride
Concen: 41.54 ug/l
RT: 2.72 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	41	Resp	86509
Ion Ratio	100	Lower	Upper
41	100		
39	57.6	46.1	69.1
76	33.5	26.8	40.2





#15

Acrylonitrile

Concen: 222.67 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

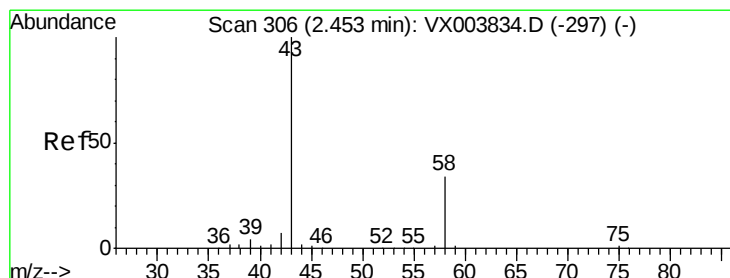
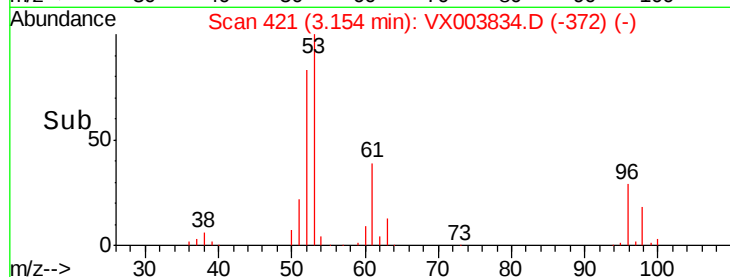
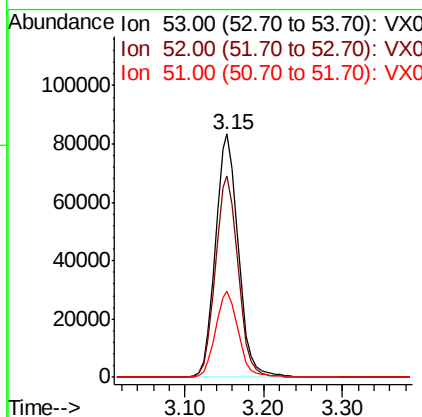
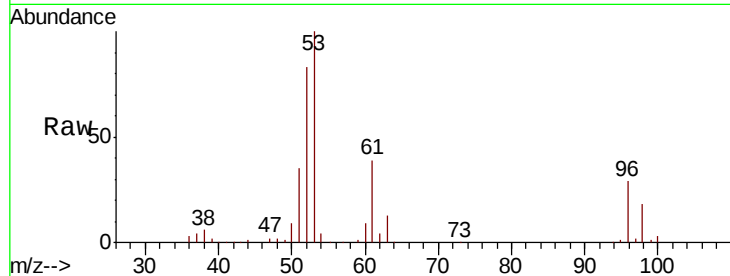
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	167184
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.9	98.9
51	35.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 262.73 ug/l

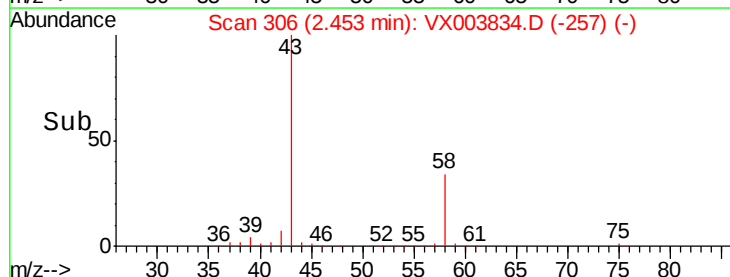
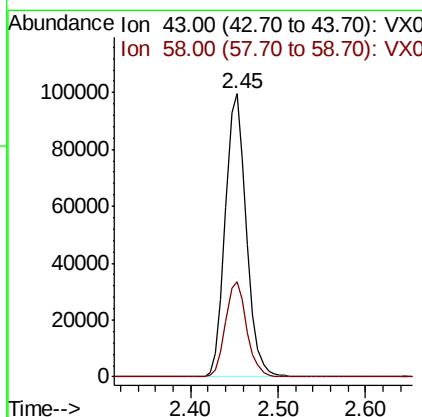
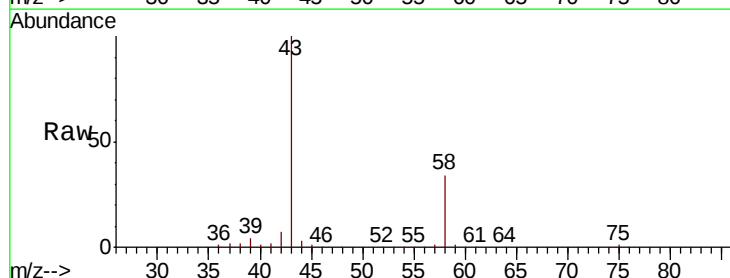
RT: 2.45 min Scan# 306

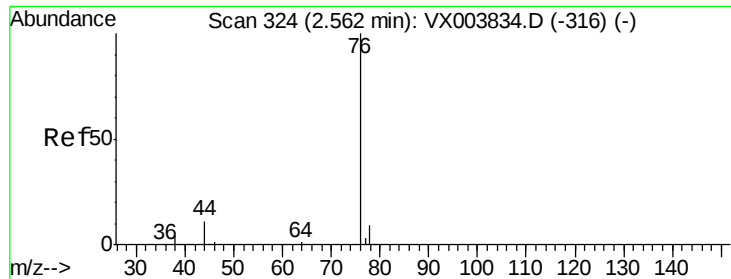
Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	43	Resp:	166021
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.0	40.4





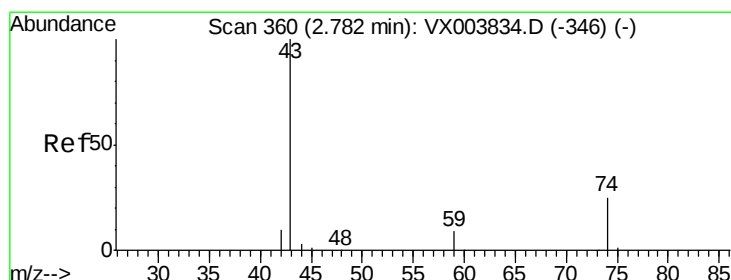
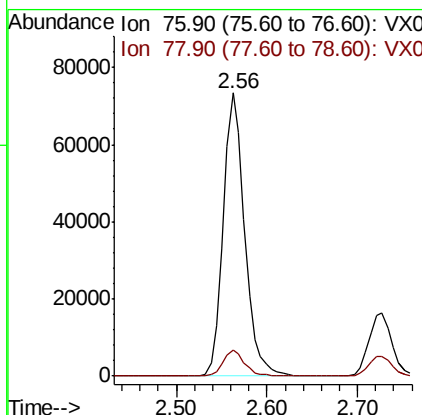
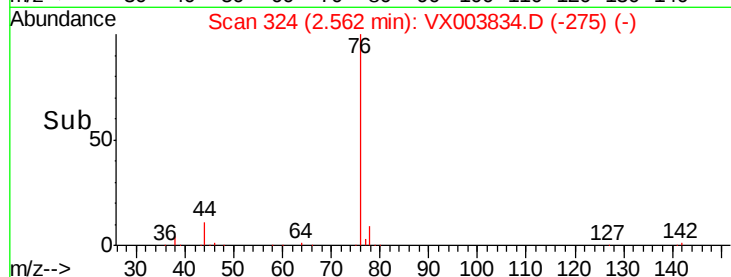
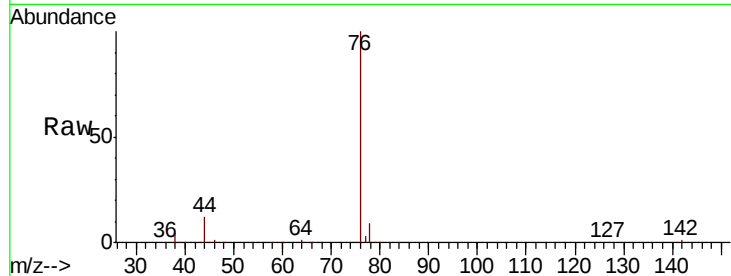
#17
Carbon Disulfide
Concen: 41.87 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

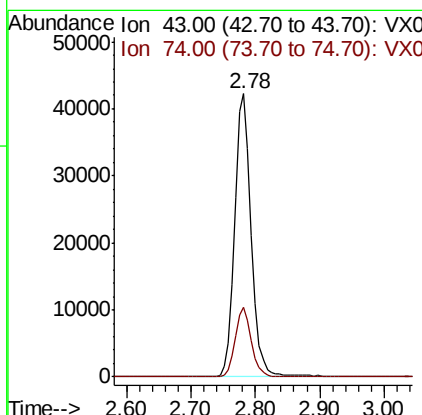
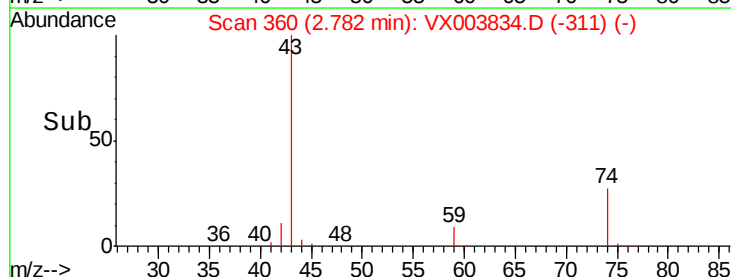
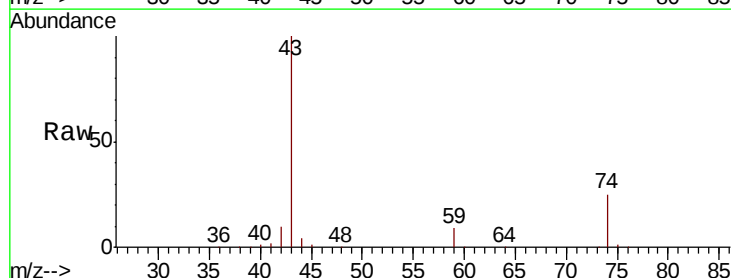
Manual Integrations
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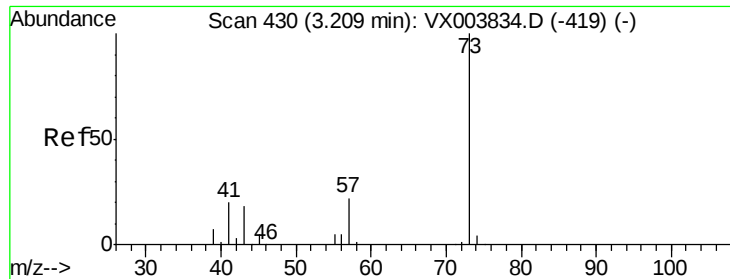
MMDadoda
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#18
Methyl Acetate
Concen: 41.88 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





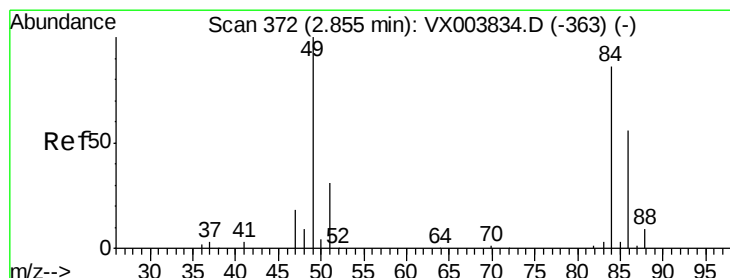
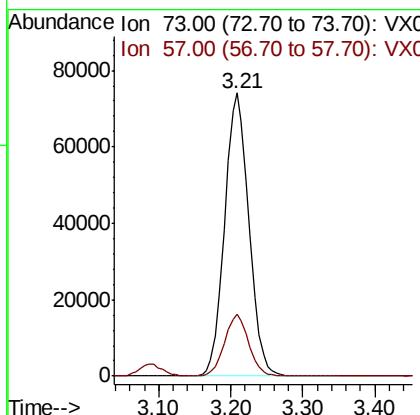
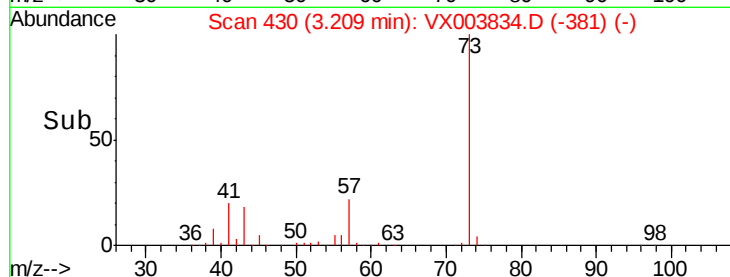
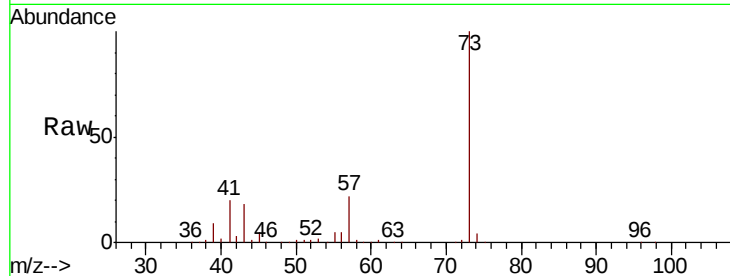
#19
Methvl tert-butvl Ether
Concen: 47.94 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 173473
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

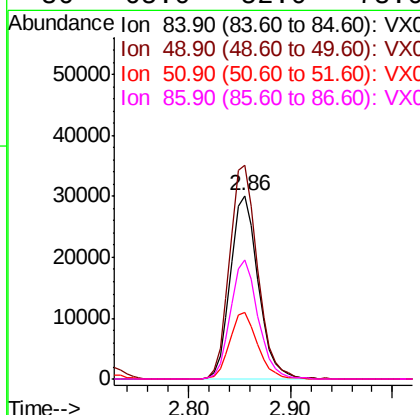
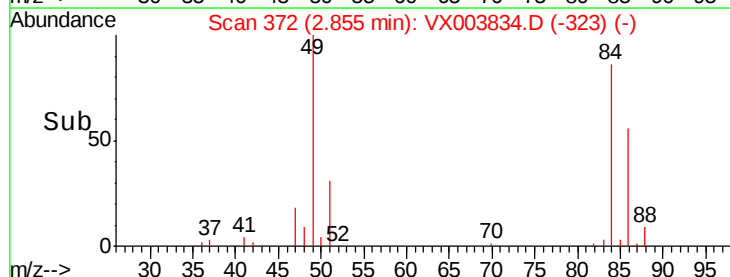
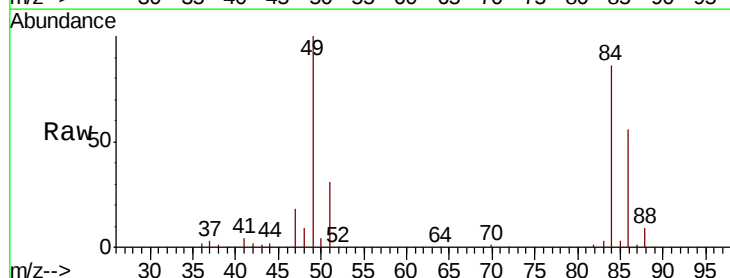
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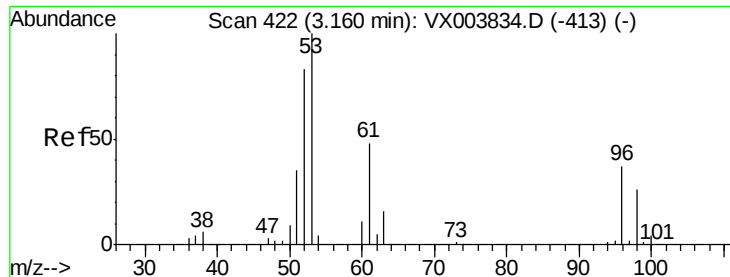
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#20
Methylene Chloride
Concen: 46.69 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion: 84 Resp: 56915
Ion Ratio Lower Upper
84 100
49 116.5 93.2 139.8
51 36.5 29.2 43.8
86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 45.82 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

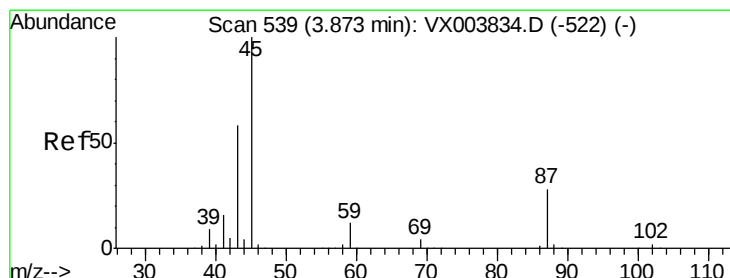
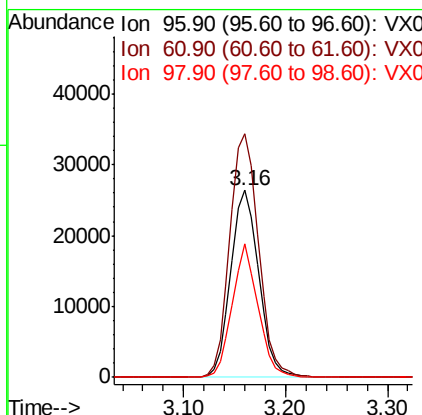
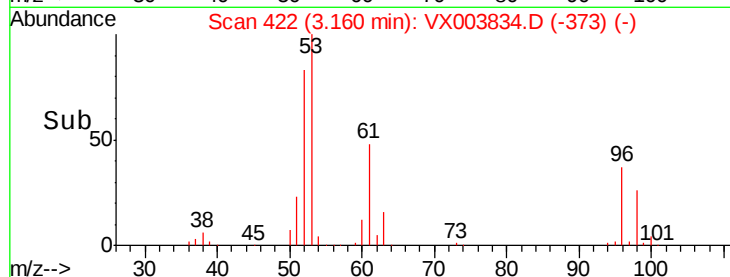
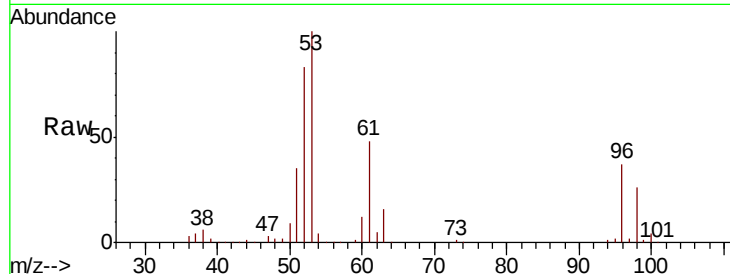
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	50129
Ion	Ratio	Lower	Upper
96	100		
61	130.3	104.2	156.4
98	71.3	57.0	85.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 44.25 ug/l

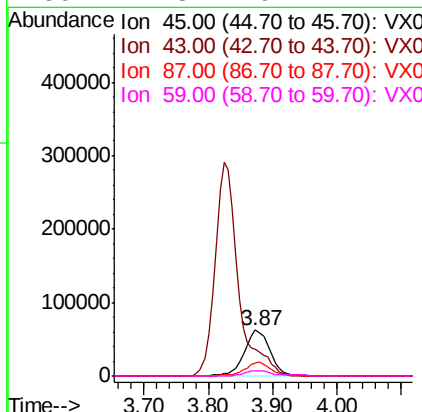
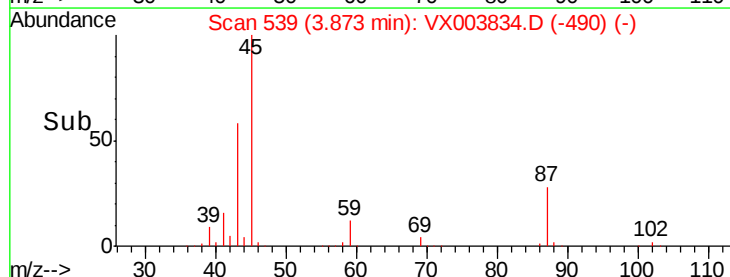
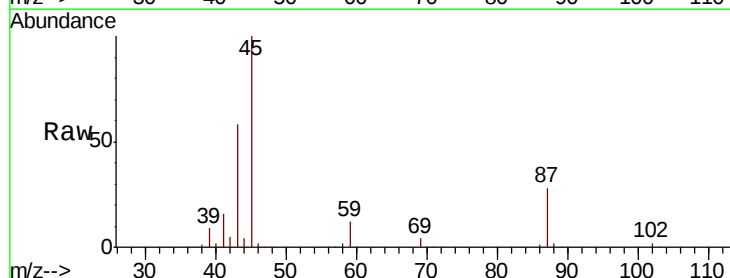
RT: 3.87 min Scan# 539

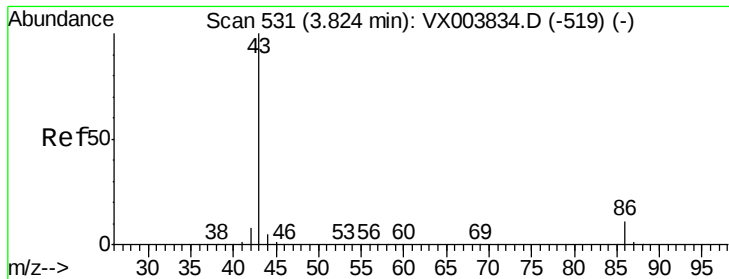
Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	45	Resp:	169908
Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.4	69.6
87	28.0	22.4	33.6
59	11.8	9.4	14.2





#23

Vinyl Acetate

Concen: 225.39 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 742427

Ion Ratio Lower Upper

43 100

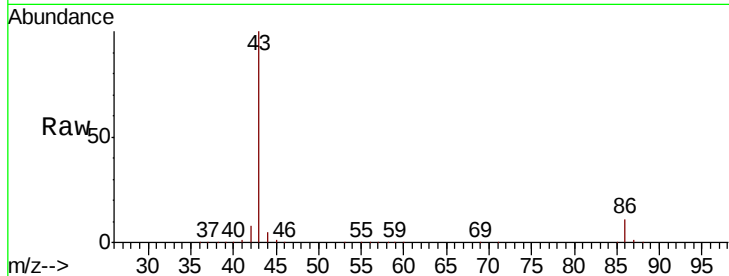
86 11.0 8.8 13.2

Manual Integrations

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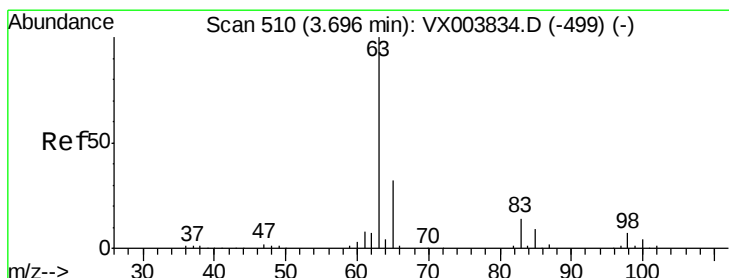
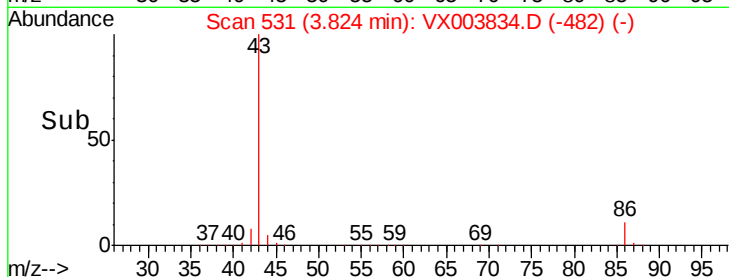
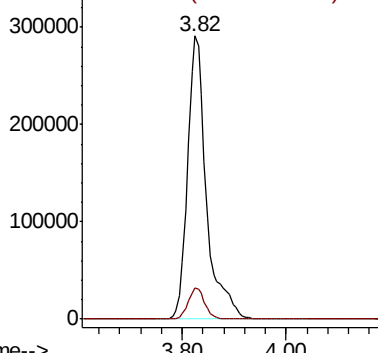
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 43.51 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

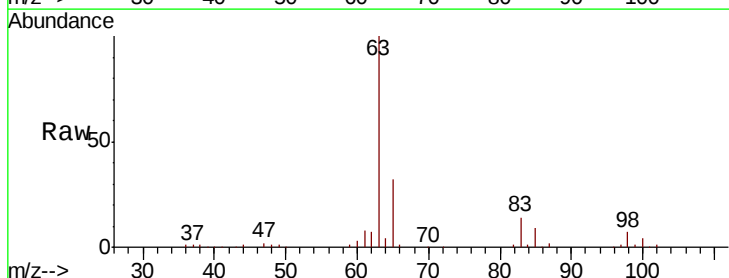
Tgt Ion: 63 Resp: 94591

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

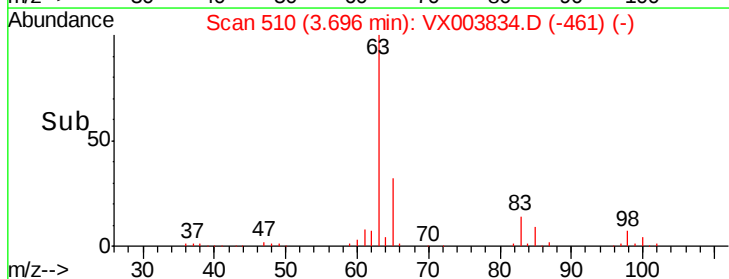
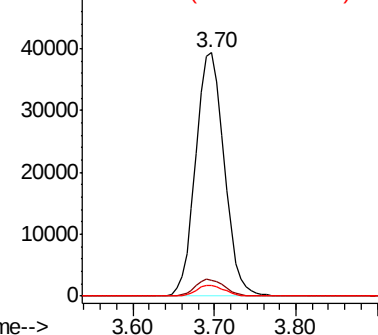
100 4.5 2.3 6.8

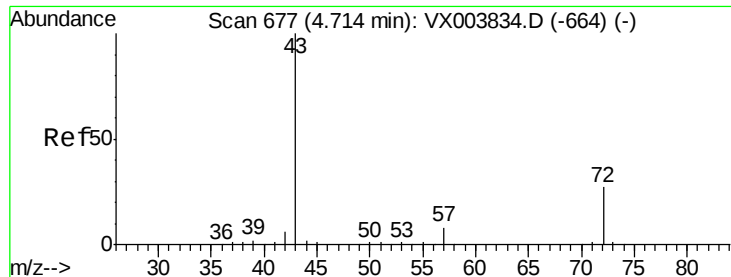


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 294.58 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 293818

Ion Ratio Lower Upper

43 100

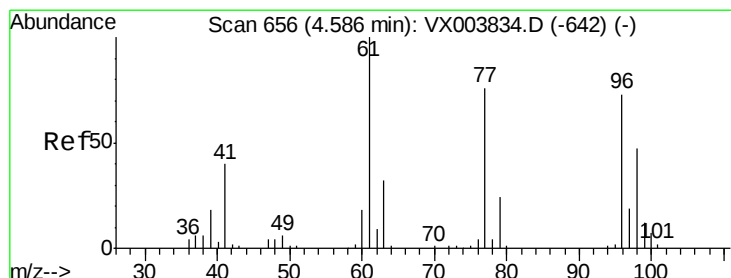
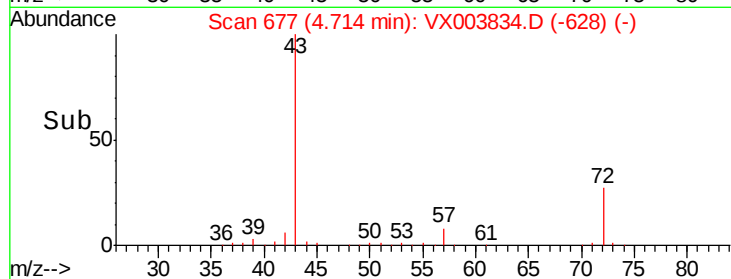
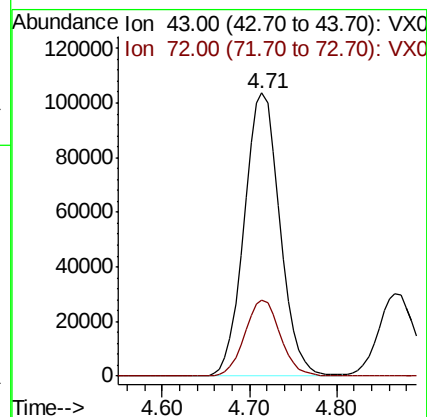
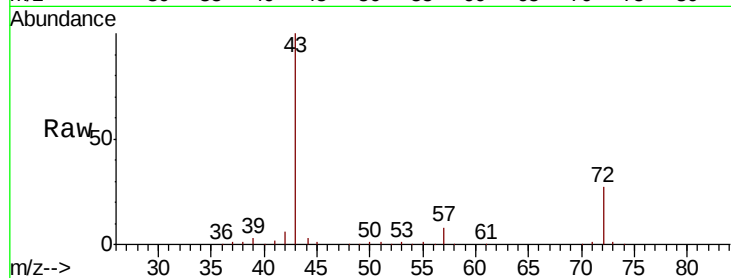
72 26.9 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.88 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003834.D

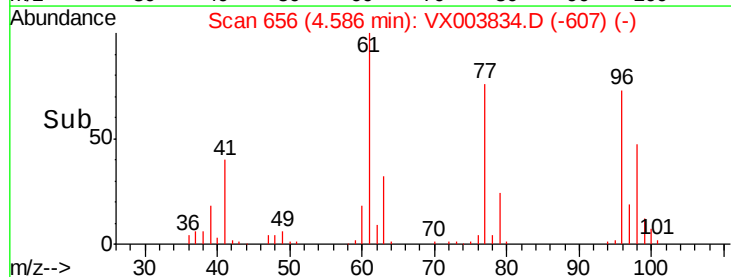
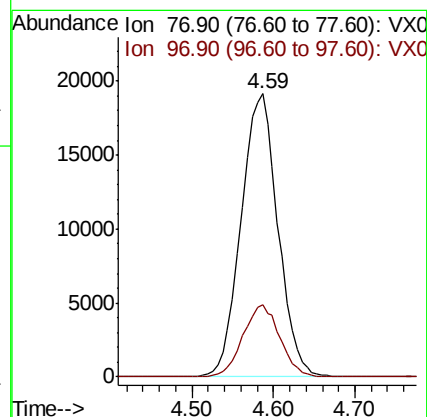
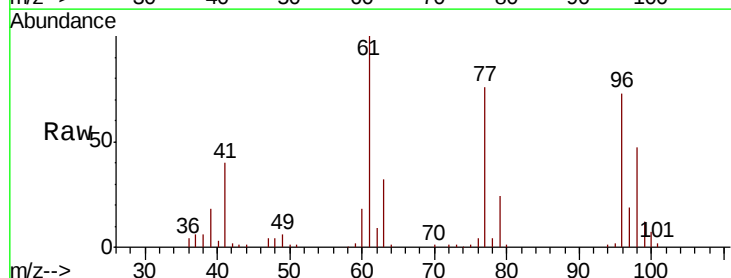
Acq: 02 Aug 2018 20:15

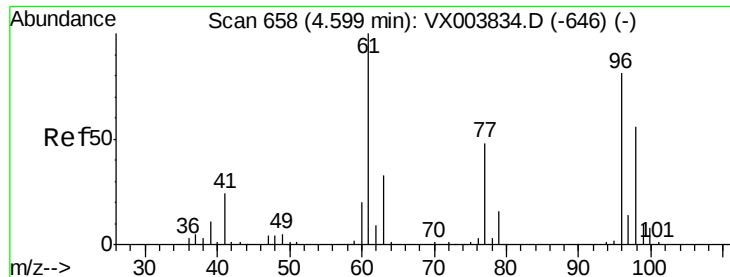
Tgt Ion: 77 Resp: 59926

Ion Ratio Lower Upper

77 100

97 25.5 12.8 38.3





#27

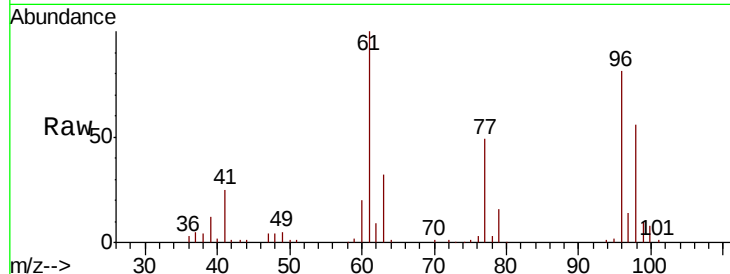
cis-1,2-Dichloroethene
Concen: 50.46 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

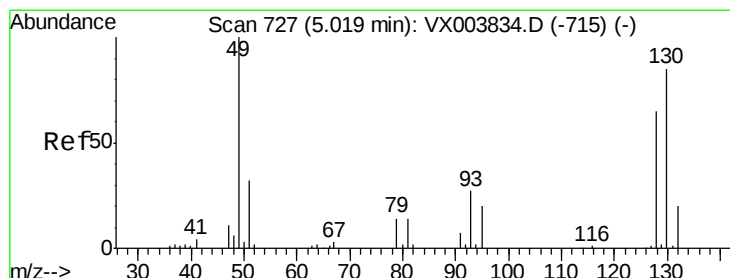
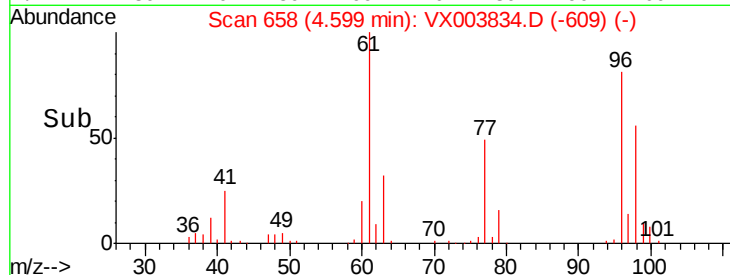
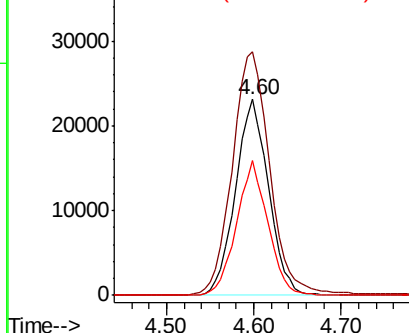
Tot Ion	Ratio	Resp	Lower	Upper
96	100	60969		
61	141.8		0.0	283.6
98	65.0		0.0	130.0

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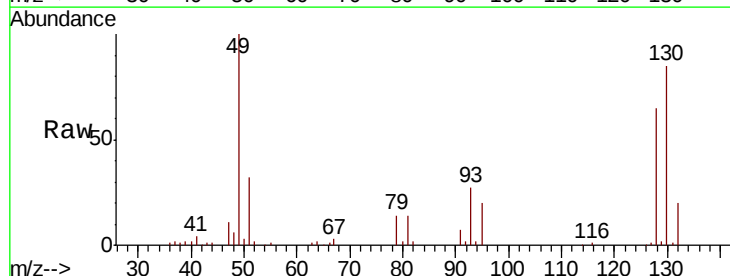
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



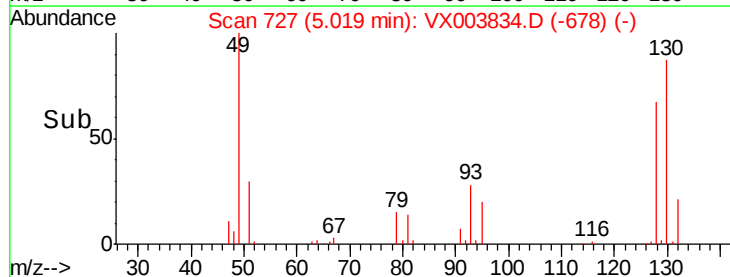
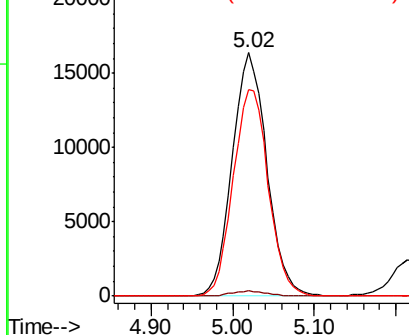
#28

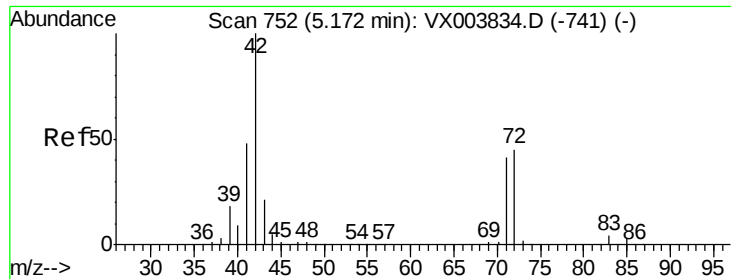
Bromochloromethane
Concen: 53.03 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48199		
129	2.1		0.0	4.2
130	86.1		68.9	103.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 246.26 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

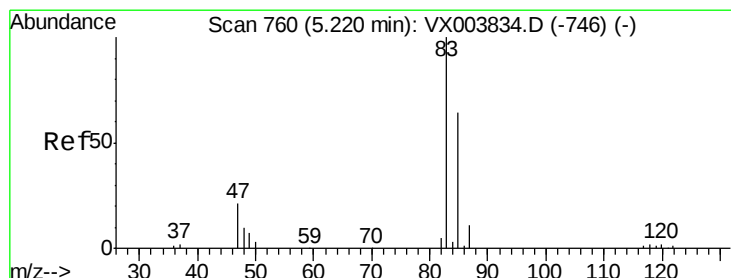
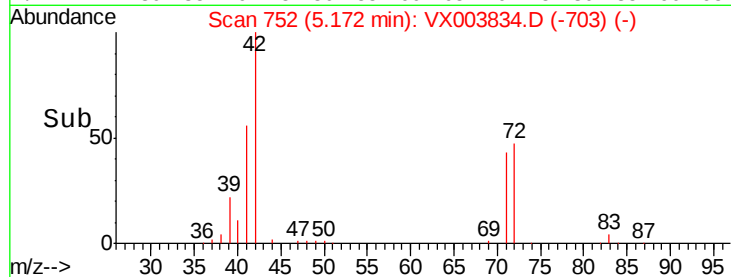
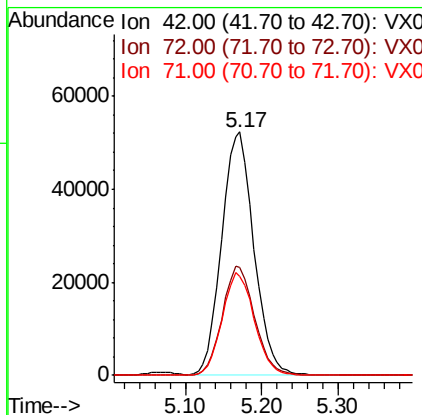
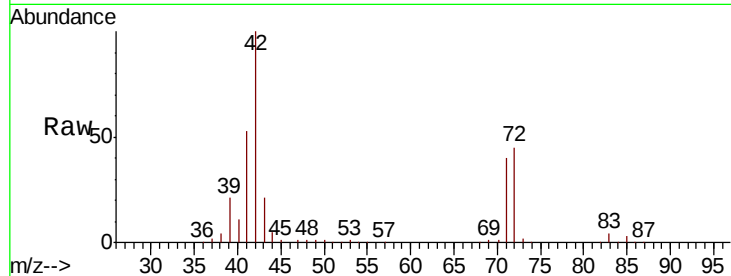
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	152440
Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.1	54.1
71	42.0	33.6	50.4

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#30

Chloroform

Concen: 49.34 ug/l

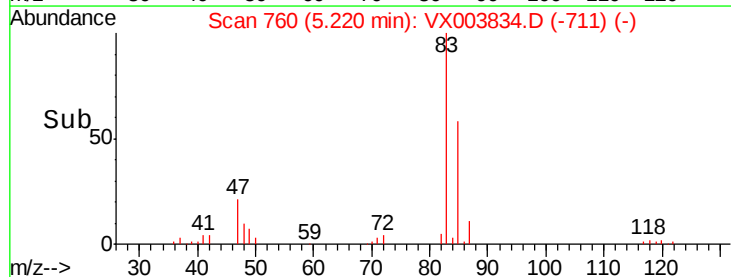
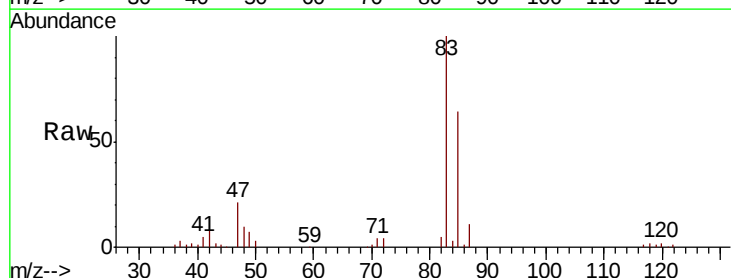
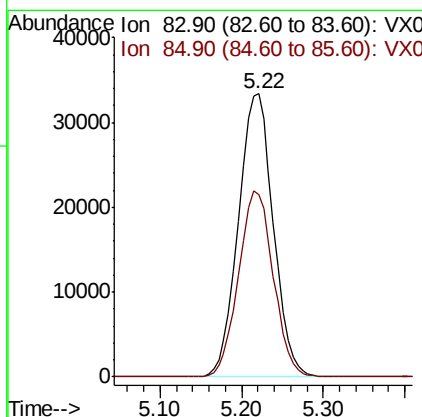
RT: 5.22 min Scan# 760

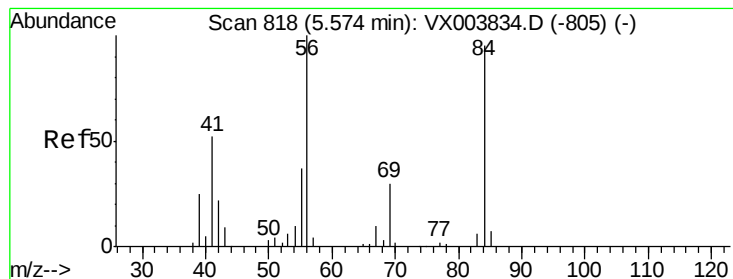
Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	83	Resp:	99219
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





#31

Cyclohexane

Concen: 38.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 65810

Ion Ratio Lower Upper

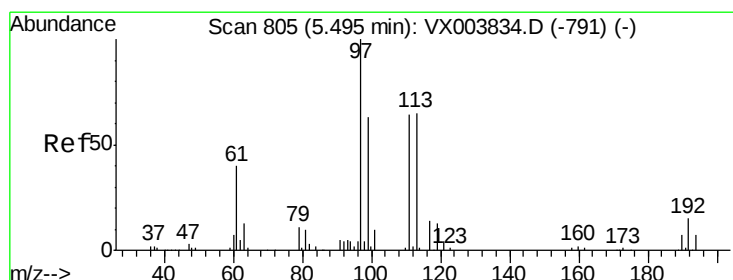
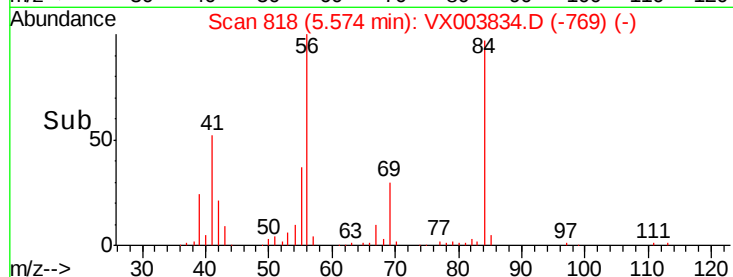
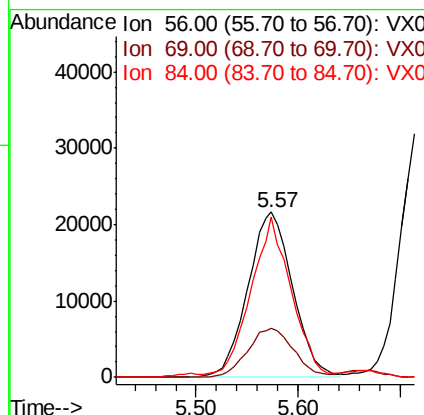
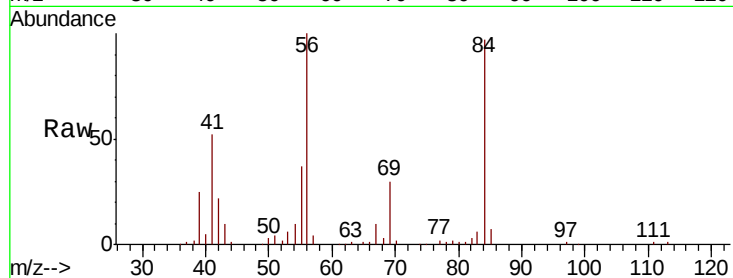
56 100

69 29.6 23.7 35.5

84 94.6 75.7 113.5

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#32

1,1,1-Trichloroethane

Concen: 47.29 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

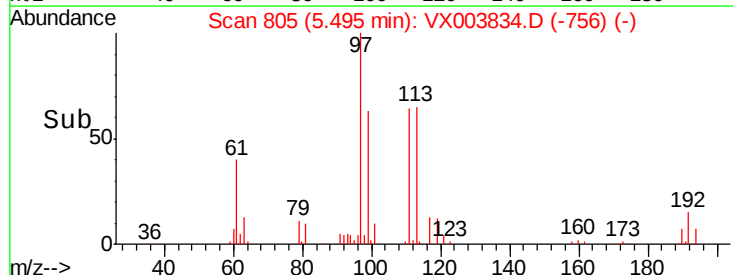
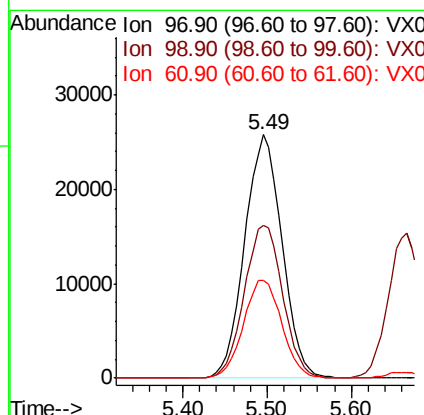
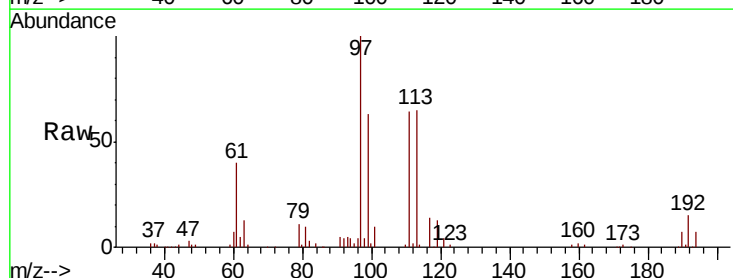
Tgt Ion: 97 Resp: 77834

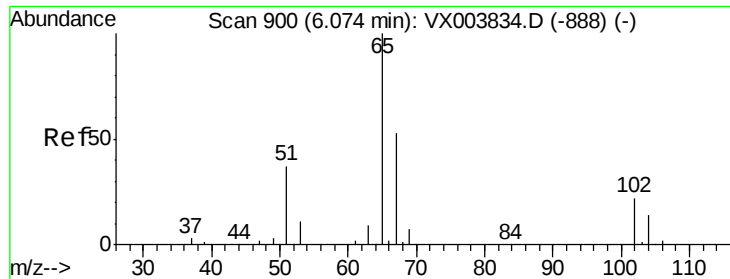
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 41.6 33.3 49.9





#33

1,2-Dichloroethane-d4

Concen: 49.52 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tot Ion: 65 Resp: 65529

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.2

Instrument :

MSVOA_X

ClientSampleId :

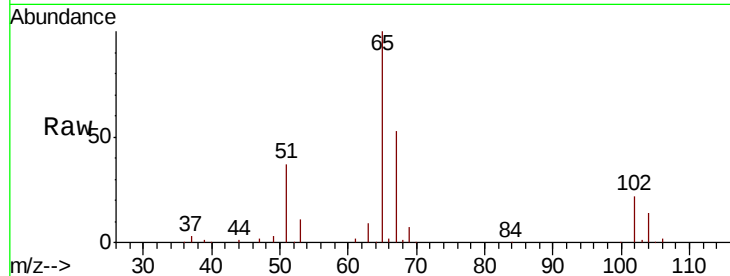
VSTDICCC050

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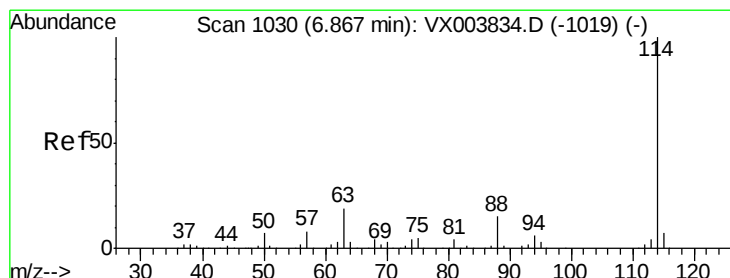
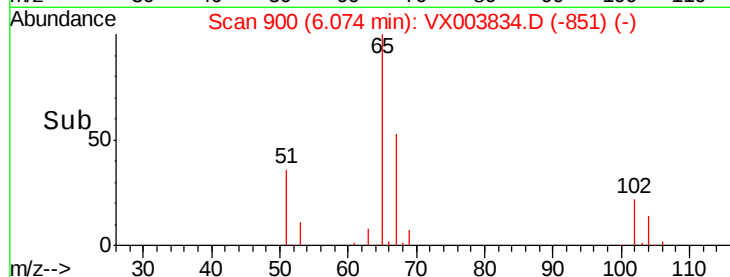
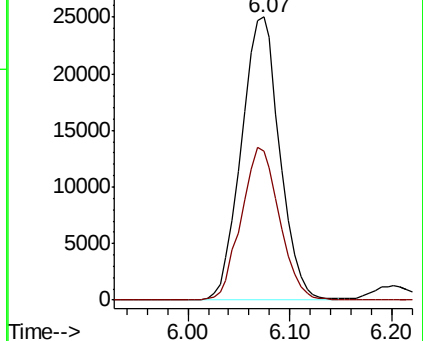
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

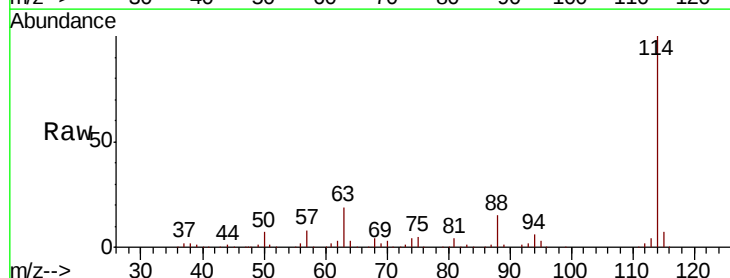
Tgt Ion: 114 Resp: 136416

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.2

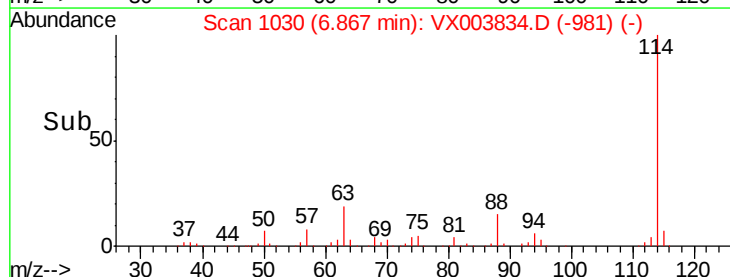
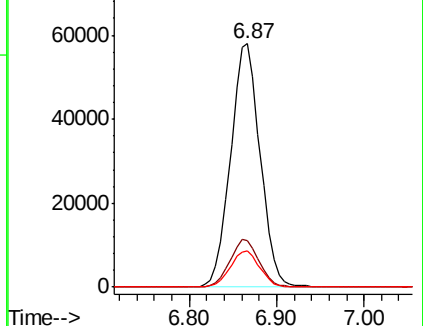
88 14.8 0.0 29.6

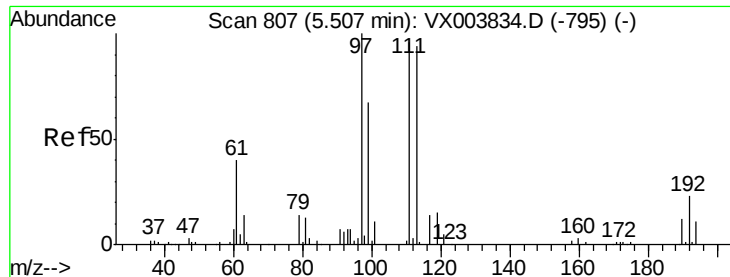


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





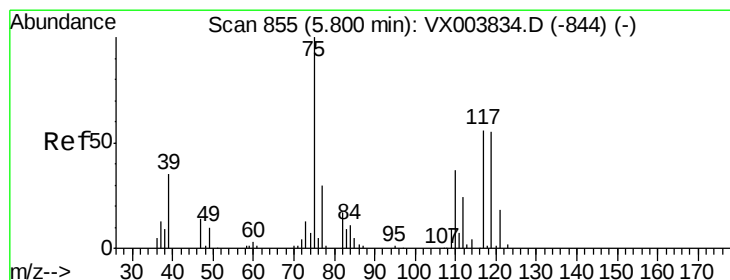
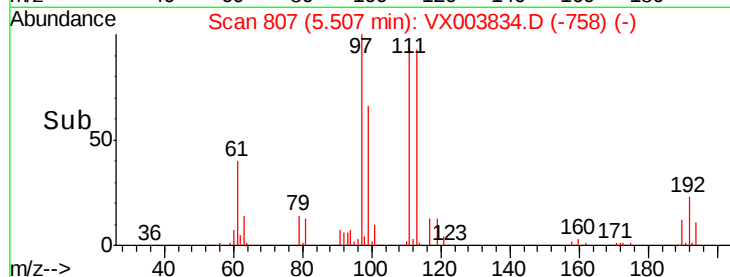
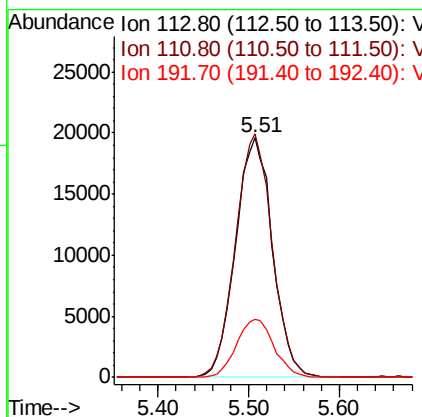
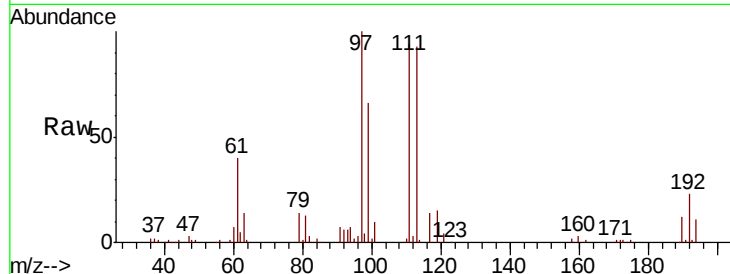
#35
 Dibromofluoromethane
 Concen: 49.54 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	24.6	19.7	29.5

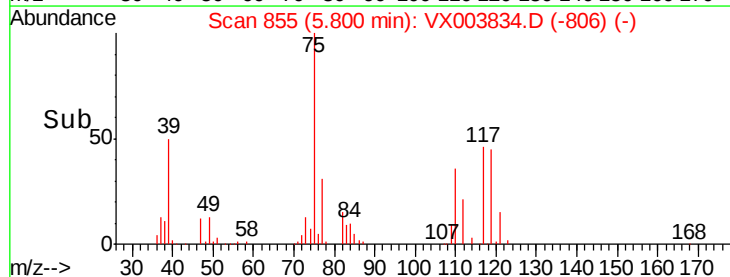
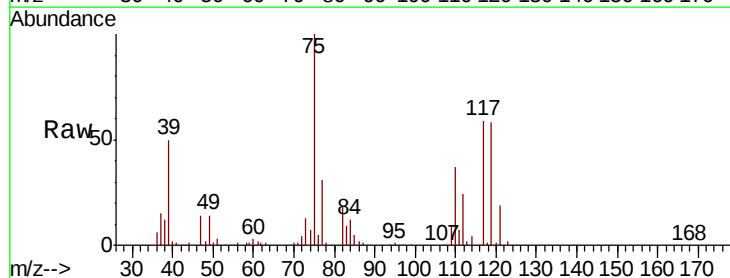
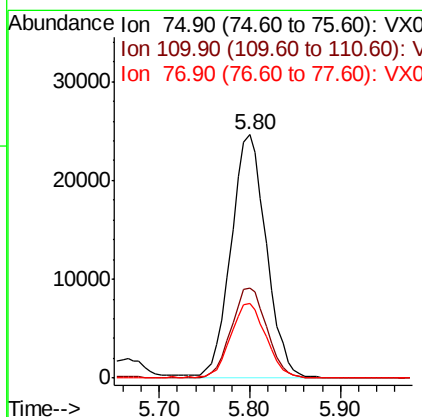
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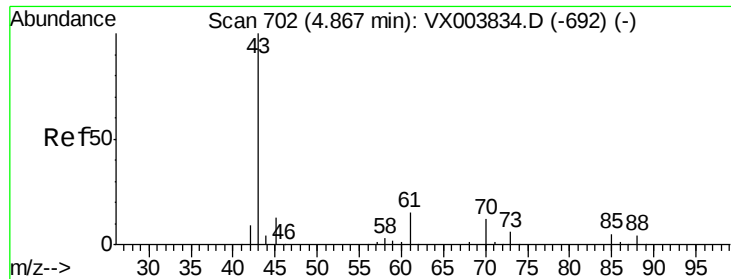
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#36
 1,1-Dichloropropene
 Concen: 42.68 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	31.1	24.9	37.3





#37

Ethyl Acetate

Concen: 46.48 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

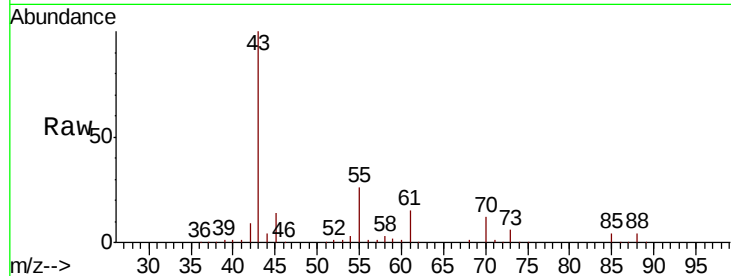
ClientSampled :

VSTDICCC050

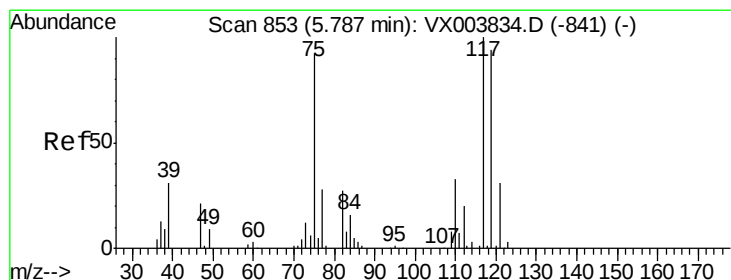
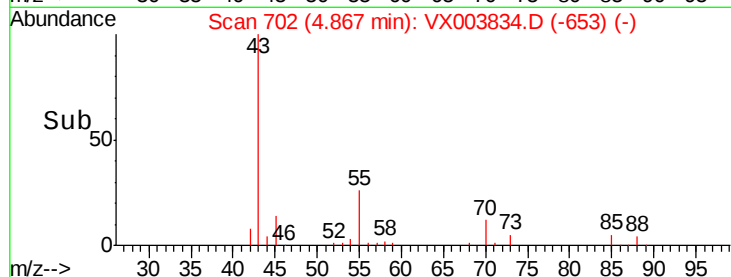
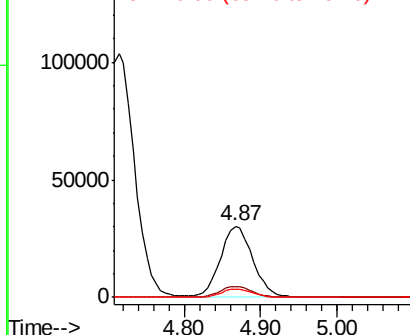
Tot Ion:	43	Resp:	88517
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.4	18.6
70	11.1	8.9	13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 43.22 ug/l

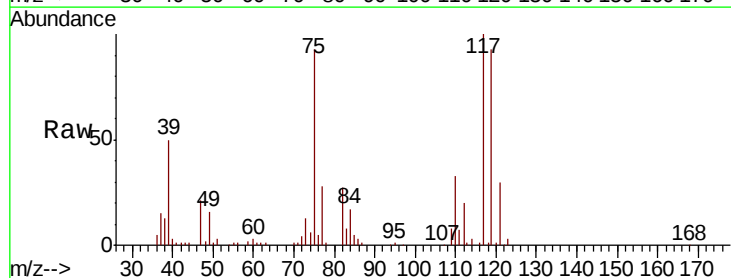
RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

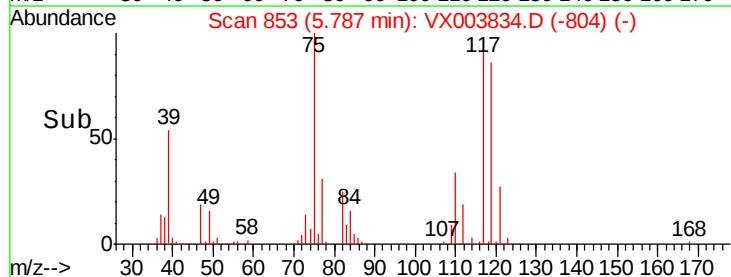
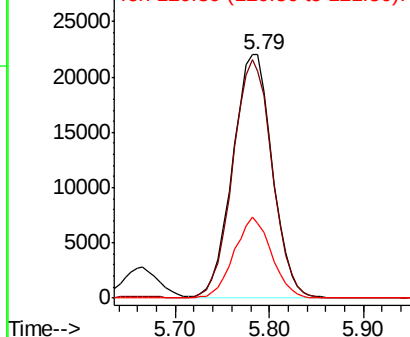
Lab File: VX003834.D

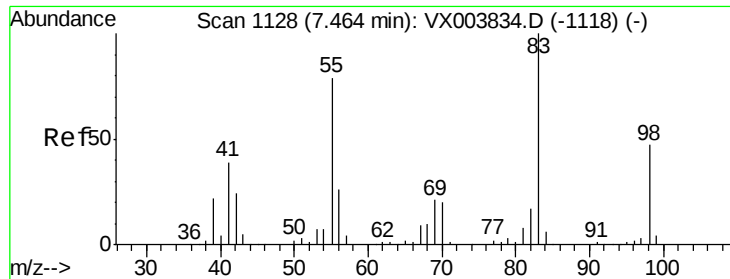
Acq: 02 Aug 2018 20:15

Tgt Ion:	117	Resp:	64965
Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.6	112.0
121	30.5	24.4	36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





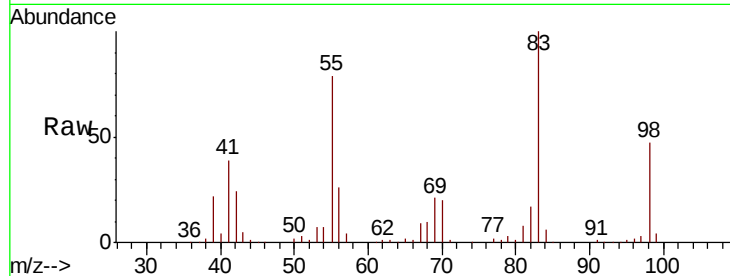
#39
Methvlcvclohexane
Concen: 37.34 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

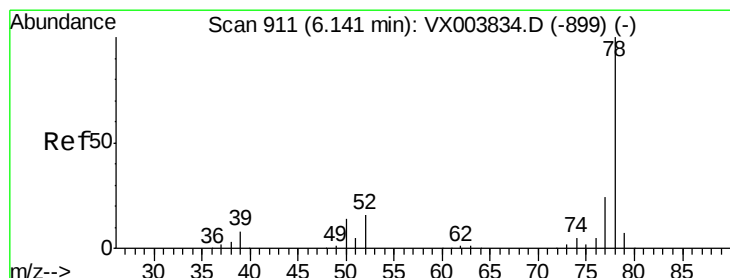
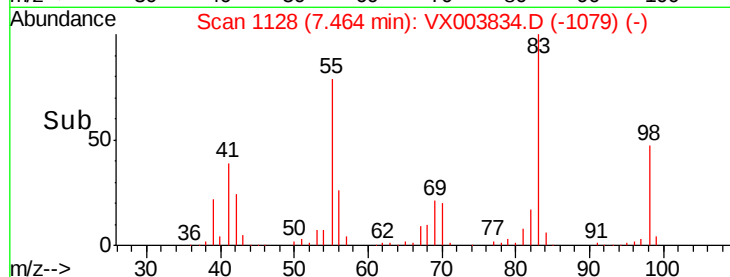
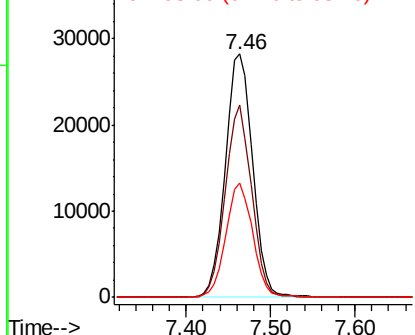
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	63.1	94.7
98	46.9	37.5	56.3

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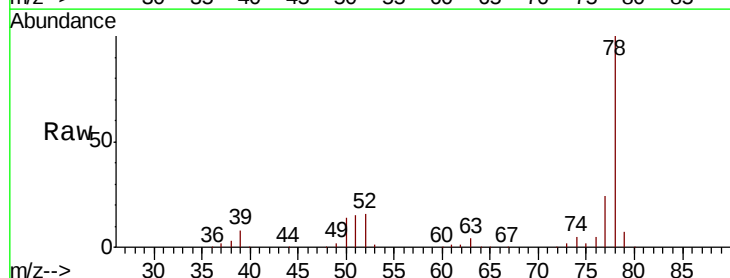


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

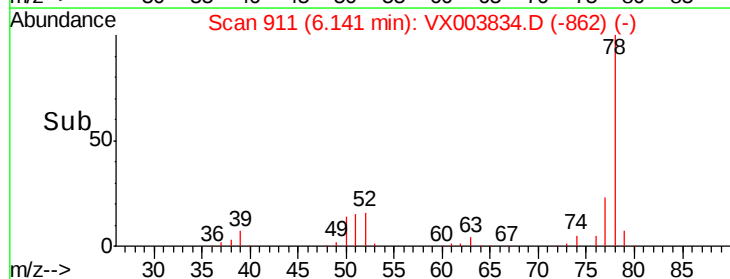
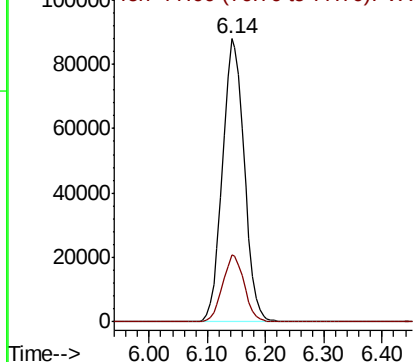


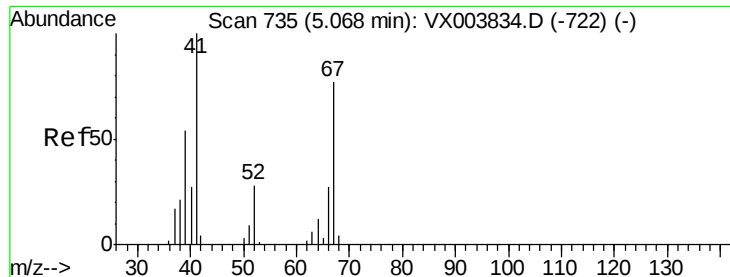
#40
Benzene
Concen: 48.68 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 46.77 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

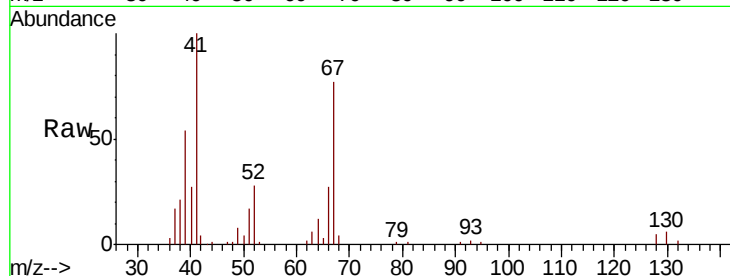
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.5	63.7	
67	73.5	58.8	88.2	
52	28.6	22.9	34.3	

Manual Integrations
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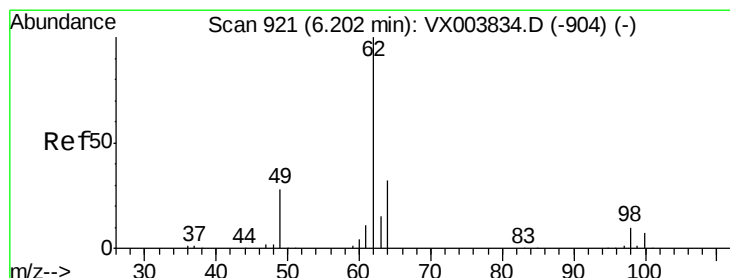
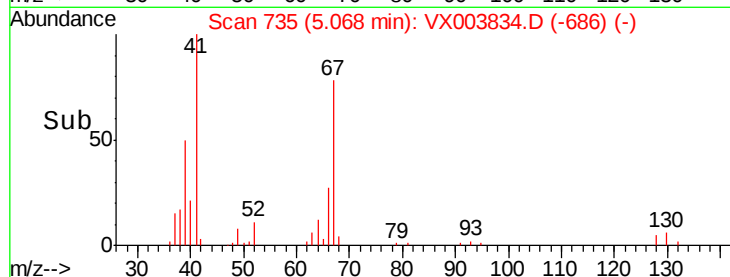
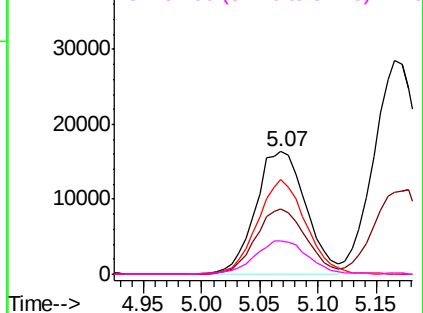
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.80 ug/l

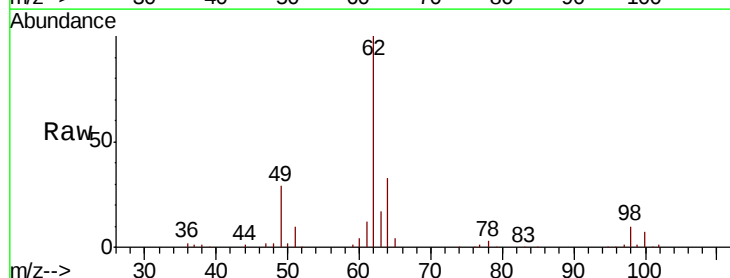
RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

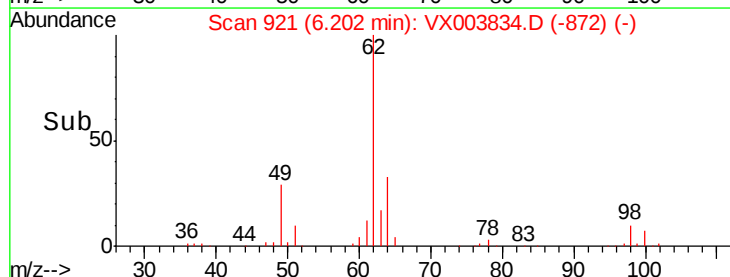
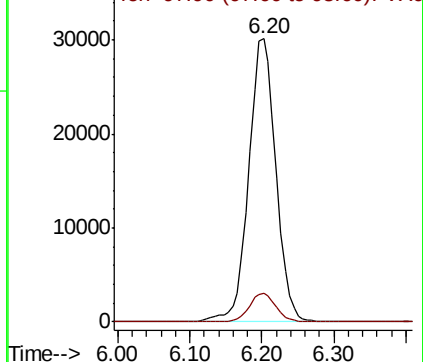
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.6	

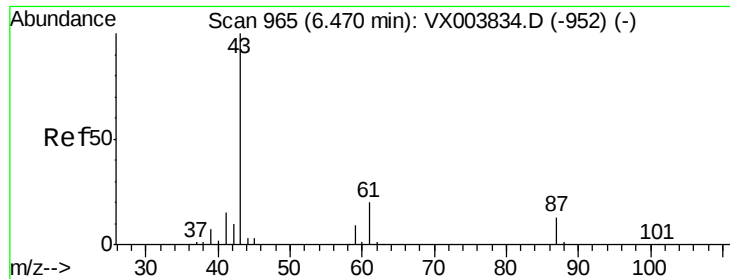


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

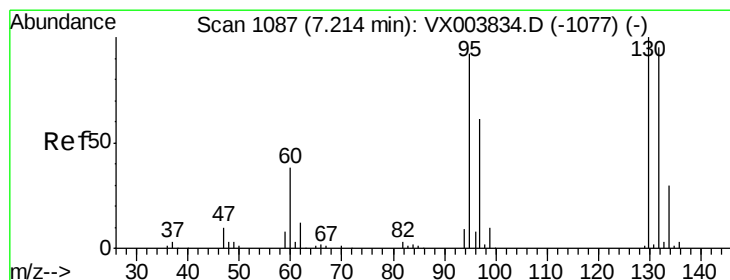
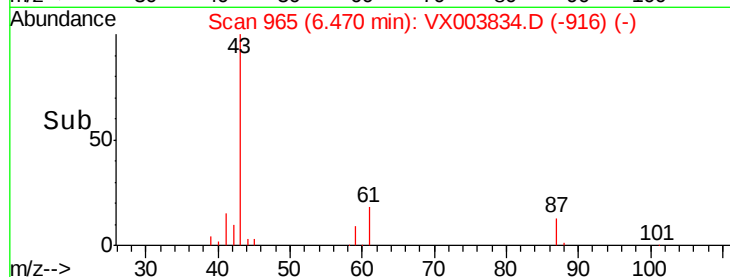
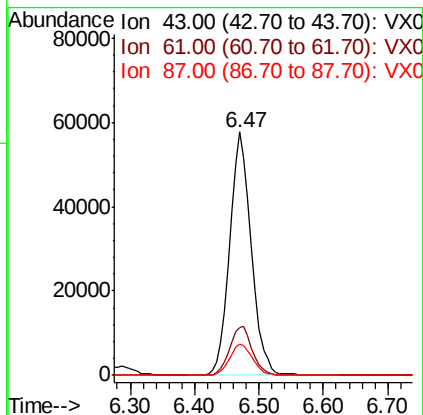
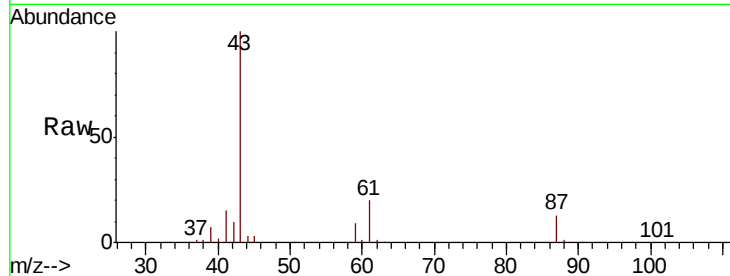
Isopropyl Acetate
 Concen: 49.11 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.7	25.1
87	13.5	10.8	16.2

Manual Integrations
 APPROVED

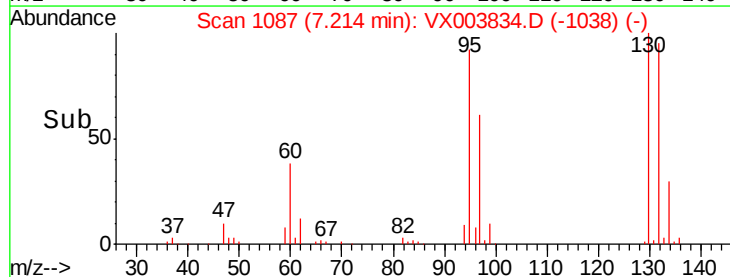
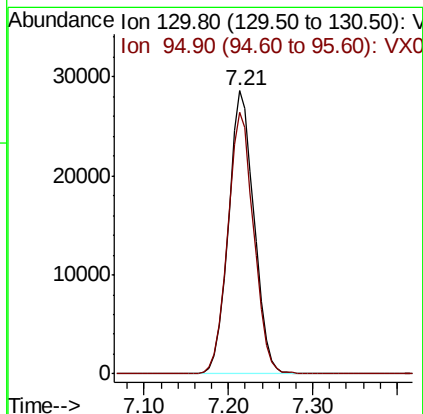
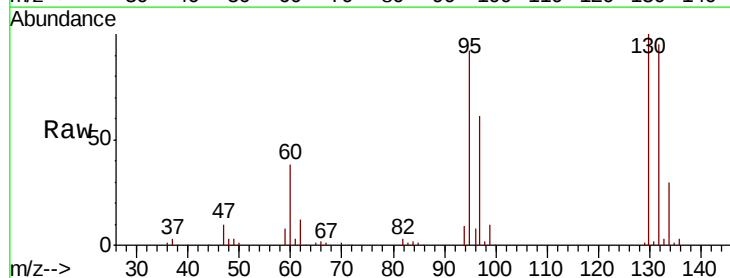
MMDadoda
 8/6/2018 1:35:46 PM

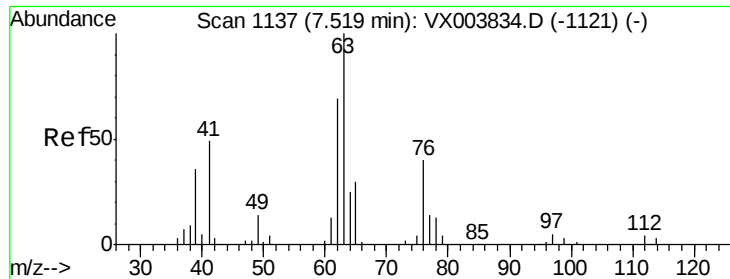


#44

Trichloroethene
 Concen: 46.85 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	184.8





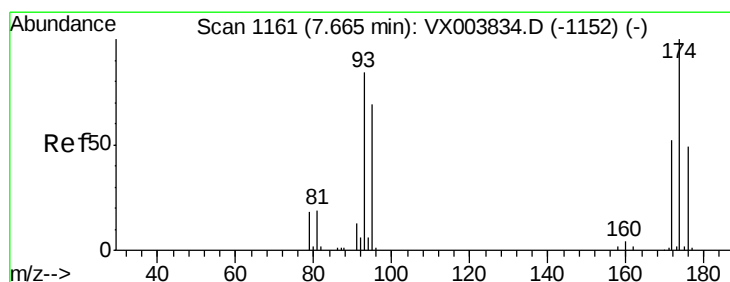
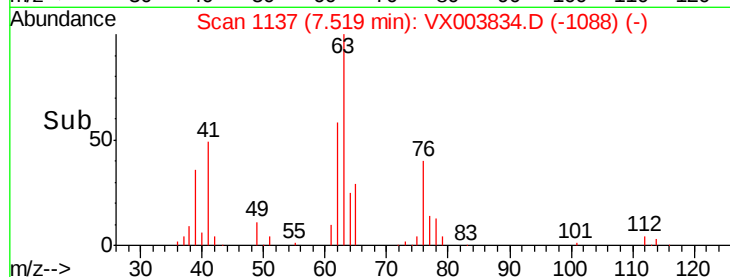
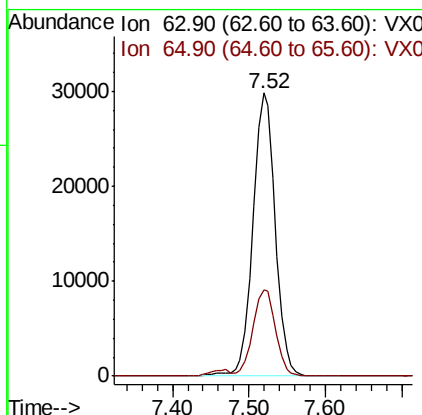
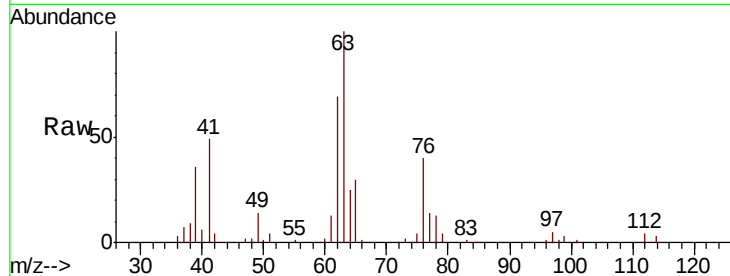
#45
 1,2-Dichloropropane
 Concen: 50.01 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4

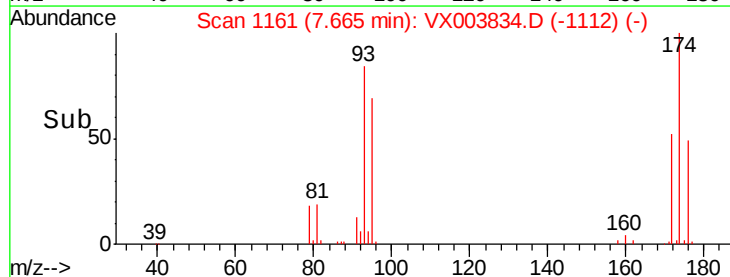
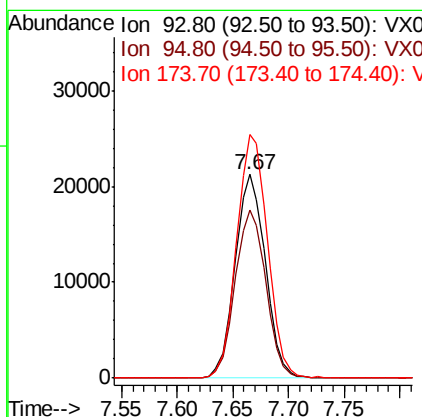
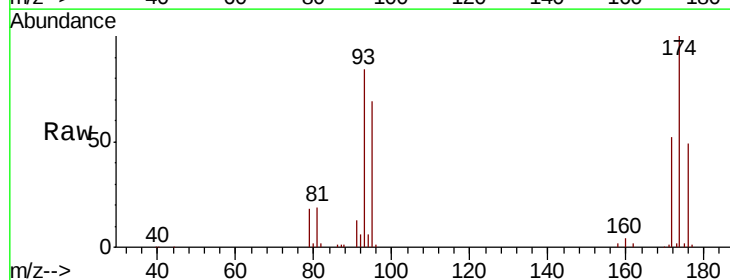
Manual Integrations
 APPROVED

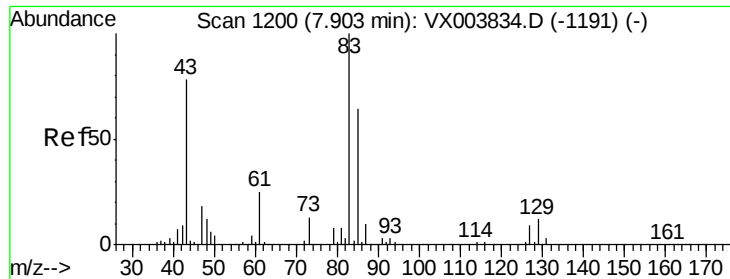
MMDadoda
 8/6/2018 1:35:46 PM



#46
 Dibromomethane
 Concen: 50.98 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.0	100.6
174	121.8	97.4	146.2





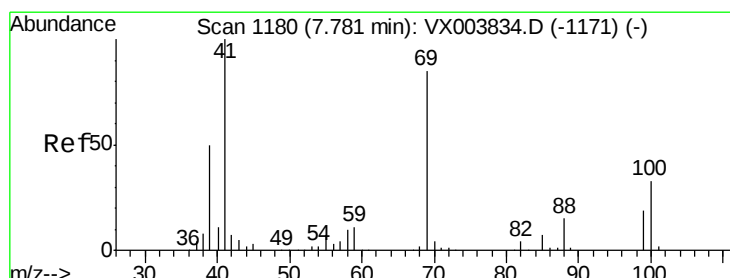
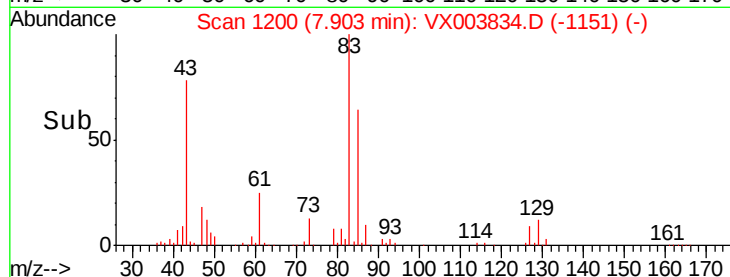
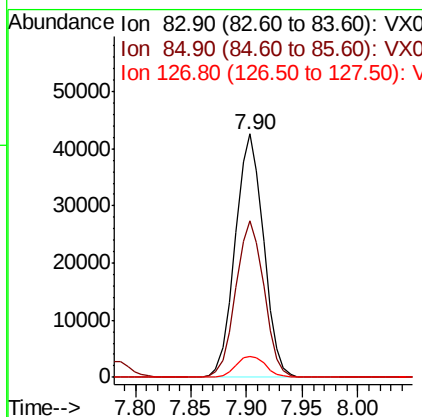
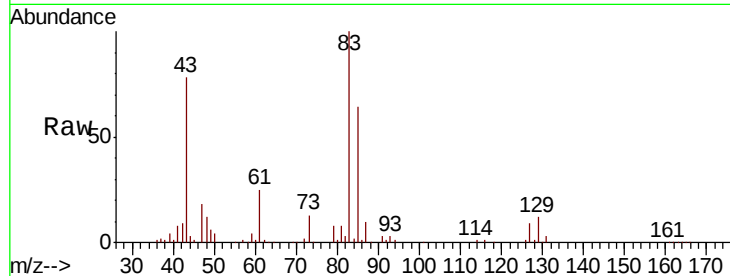
#47
 Bromodichloromethane
 Concen: 50.99 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	83	Resp	74990
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2
127	8.8	7.0	10.6

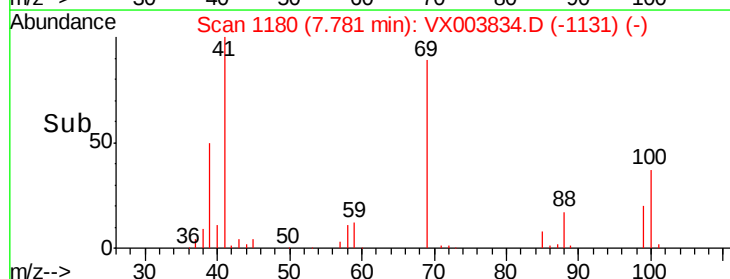
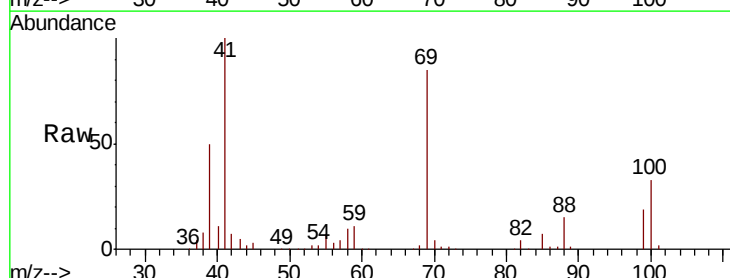
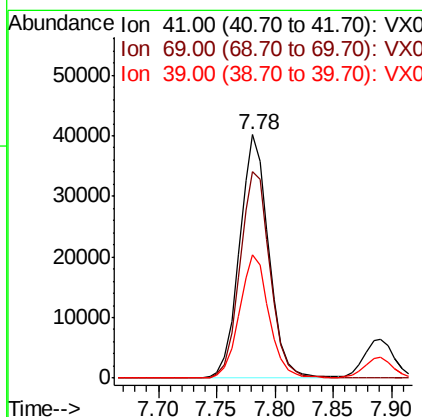
Manual Integrations
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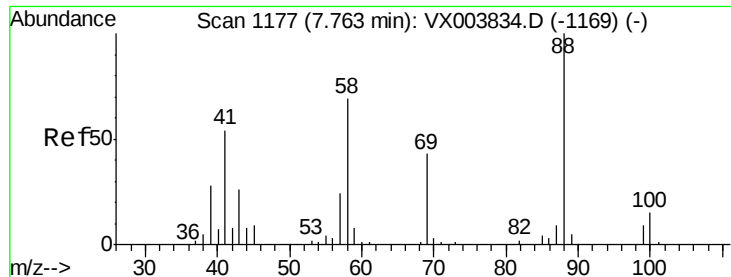
MMDadoda
 8/6/2018 1:35:46 PM



#48
 Methyl methacrylate
 Concen: 49.72 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Tgt Ion	41	Resp	70043
Ion	Ratio	Lower	Upper
41	100		
69	87.8	70.2	105.4
39	51.1	40.9	61.3





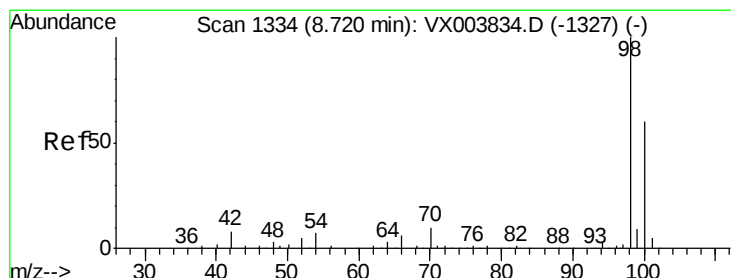
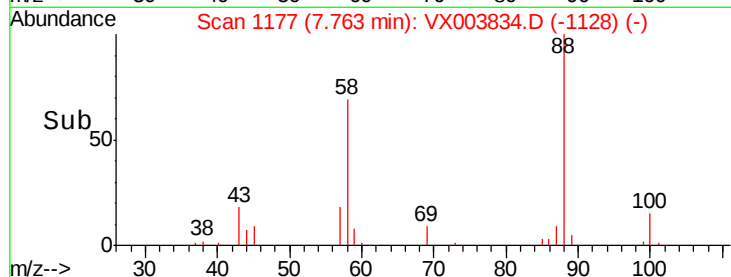
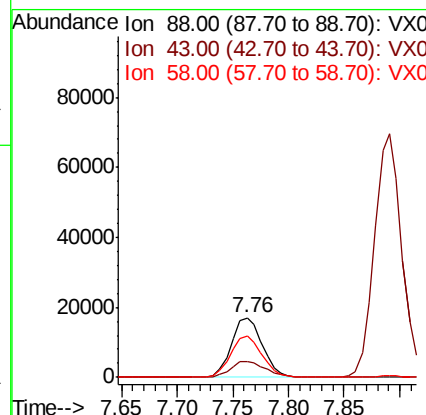
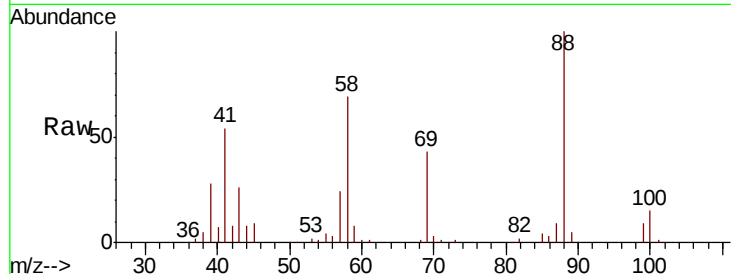
#49
1,4-Dioxane
Concen: 1040.86 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	24.4	36.6
58	70.6	56.5	84.7

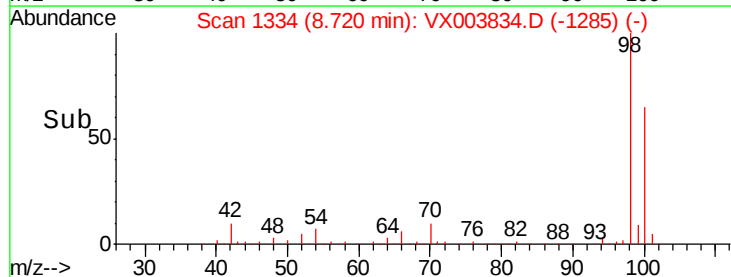
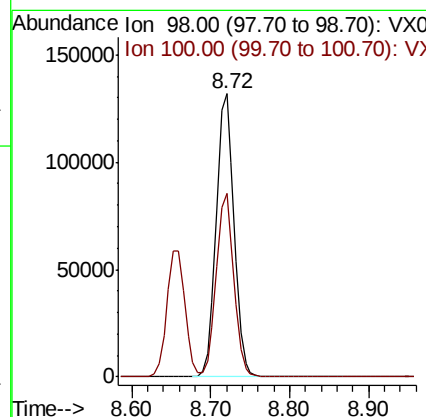
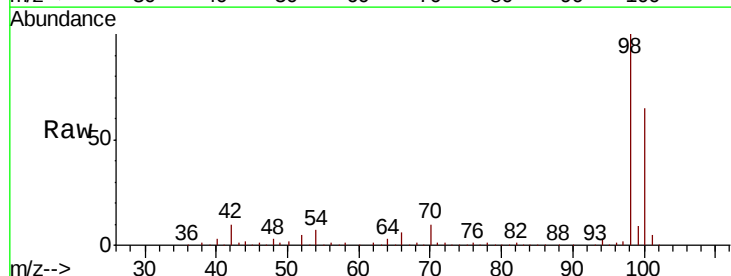
Manual Integrations
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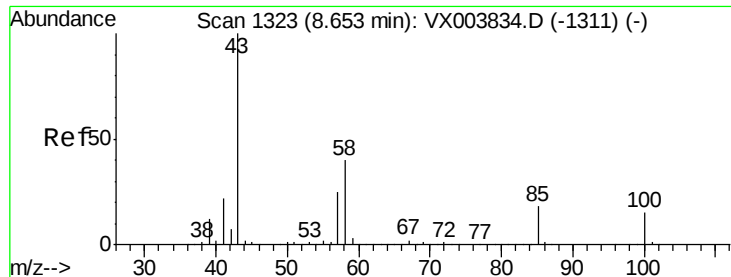
MMDadoda
8/6/2018 1:35:46 PM



#50
Toluene-d8
Concen: 49.14 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 296.93 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 580486

Ion Ratio Lower Upper

43 100

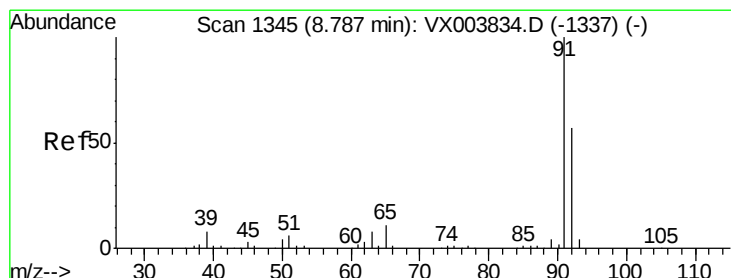
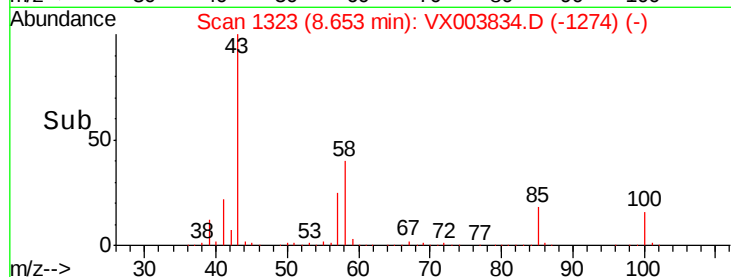
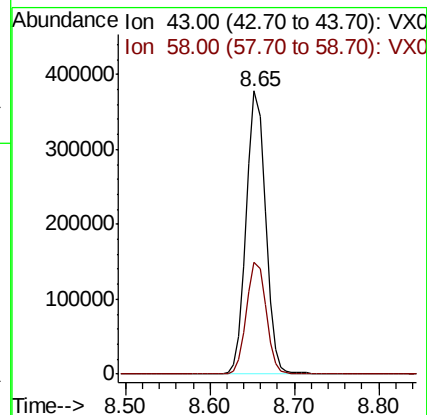
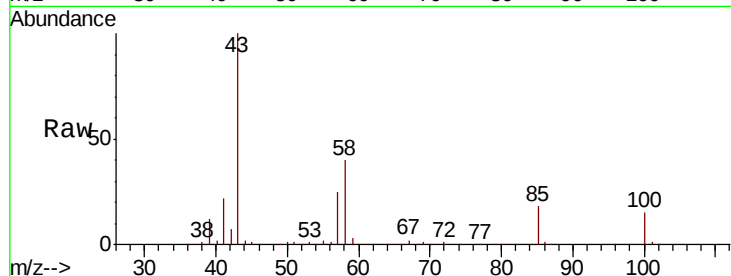
58 40.2 32.2 48.2

Manual Integrations

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8/6/2018 1:35:46 PM



#52

Toluene

Concen: 48.80 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003834.D

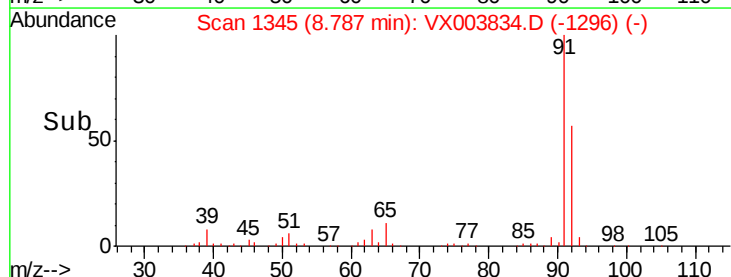
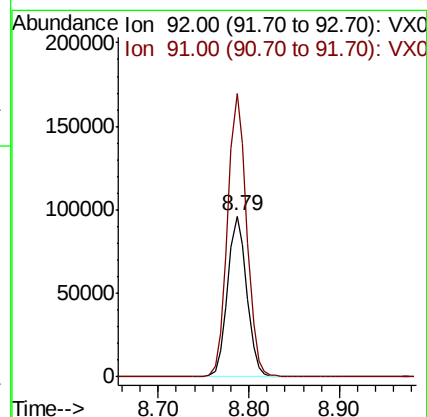
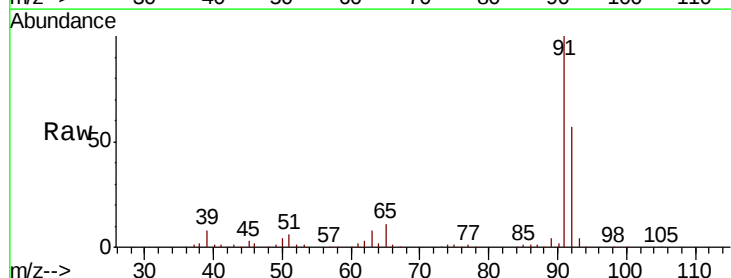
Acq: 02 Aug 2018 20:15

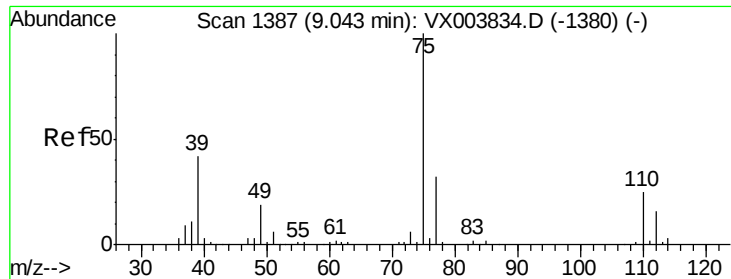
Tgt Ion: 92 Resp: 142442

Ion Ratio Lower Upper

92 100

91 175.2 140.2 210.2





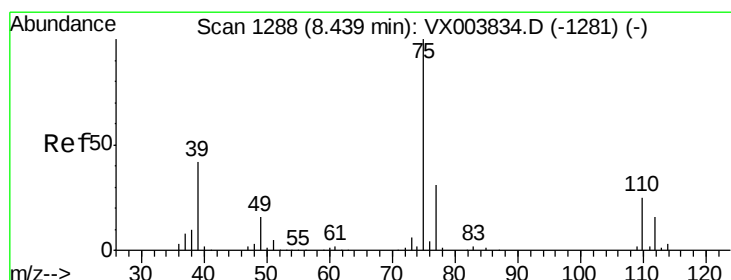
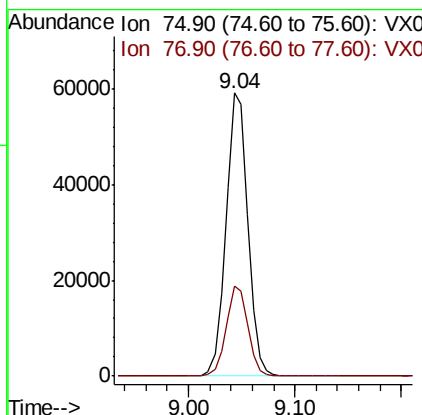
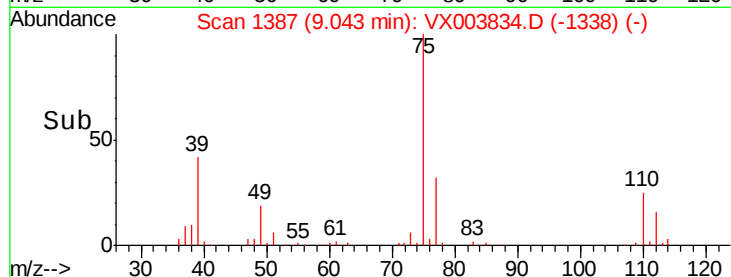
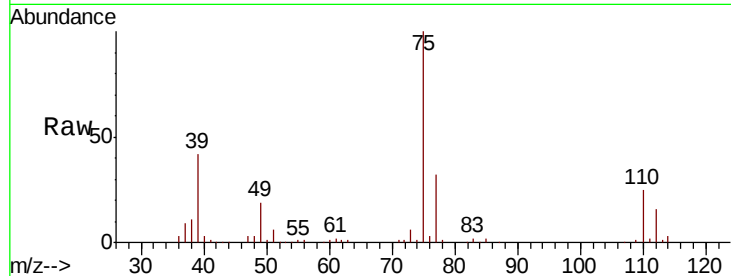
#53
t-1,3-Dichloropropene
Concen: 52.07 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 84806
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

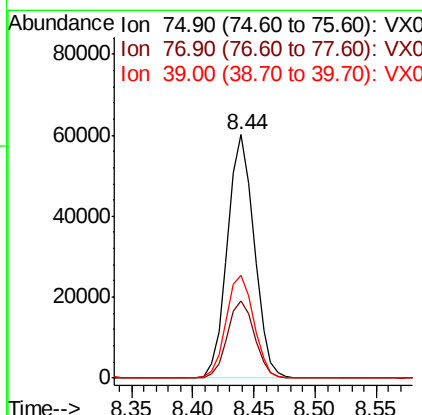
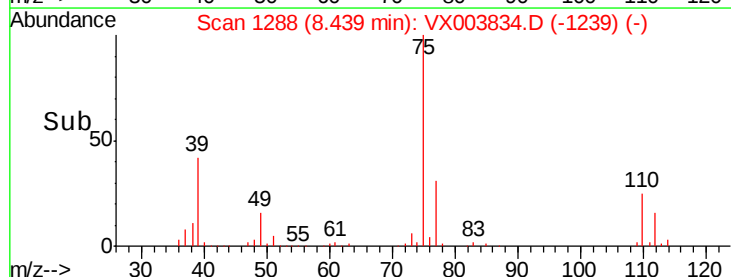
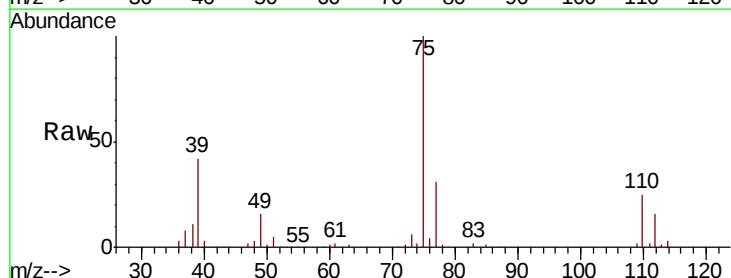
Manual Integrations
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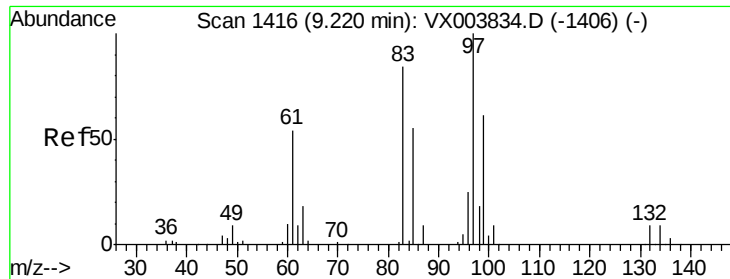
MMDadoda
8/6/2018 1:35:46 PM



#54
cis-1,3-Dichloropropene
Concen: 51.09 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion: 75 Resp: 91315
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 41.9 33.5 50.3





#55

1,1,2-Trichloroethane

Concen: 51.47 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

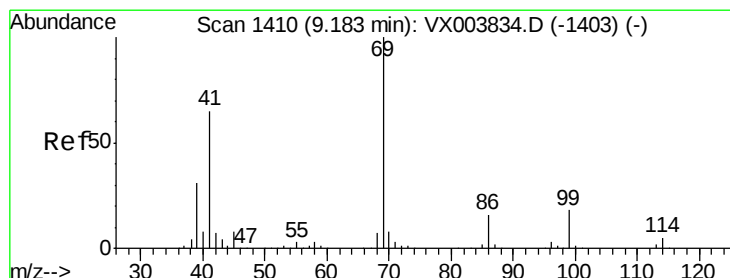
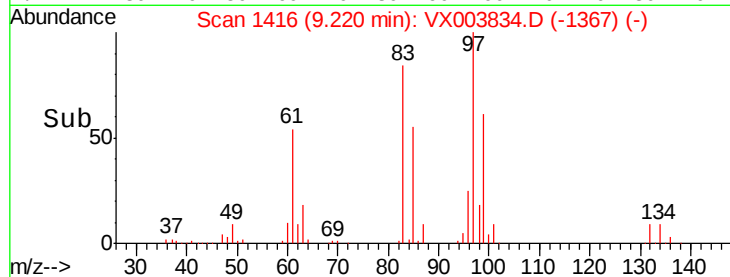
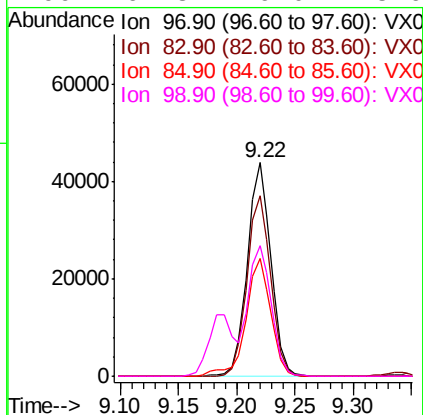
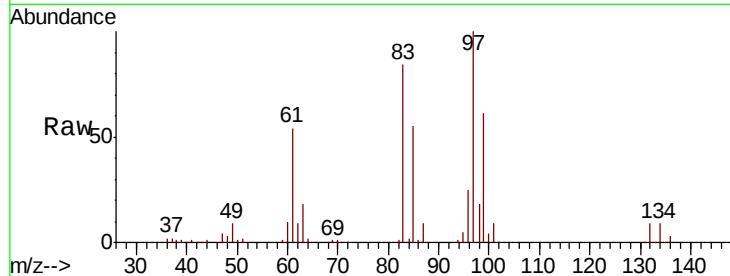
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	61961
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	54.9	43.9	65.9
99	61.3	49.0	73.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.74 ug/l

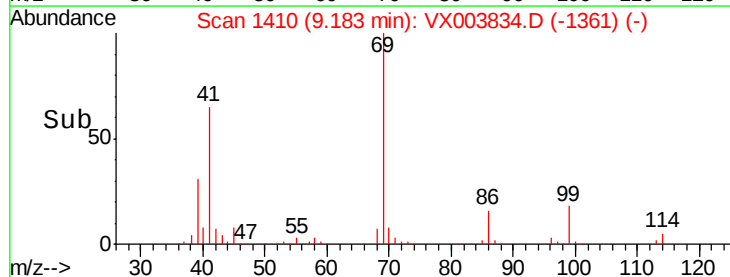
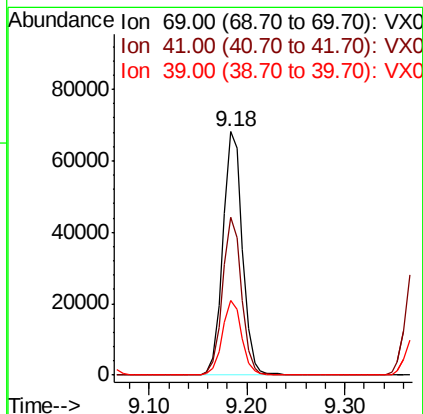
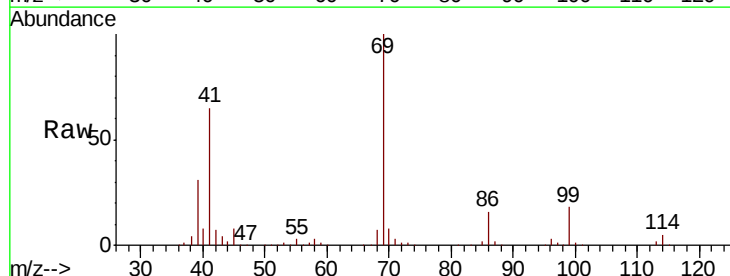
RT: 9.18 min Scan# 1410

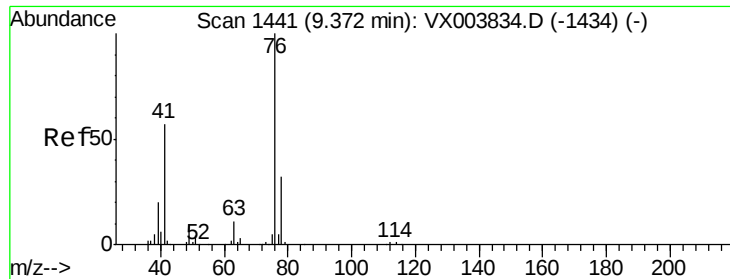
Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	69	Resp:	93990
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.1	76.7
39	30.9	24.7	37.1





#57

1,3-Dichloropropane

Concen: 50.53 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 101966

Ion Ratio Lower Upper

76 100

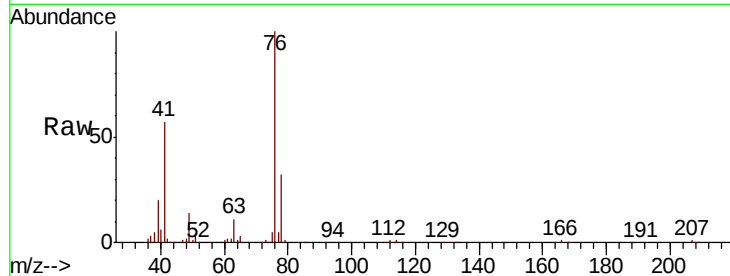
78 32.1 25.7 38.5

Manual Integrations

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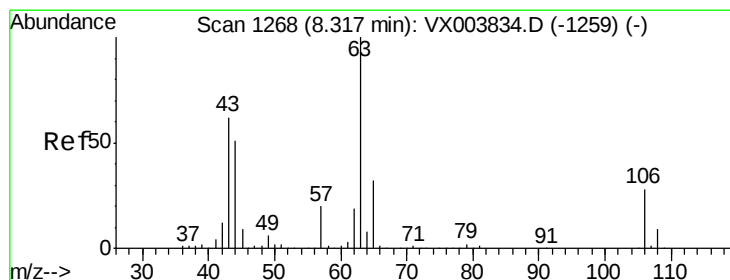
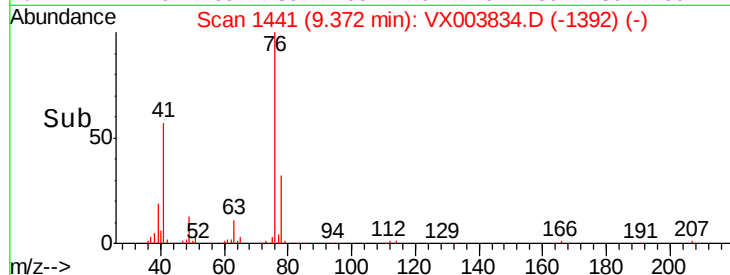
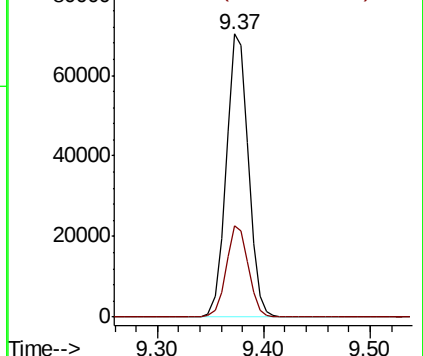
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 270.46 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003834.D

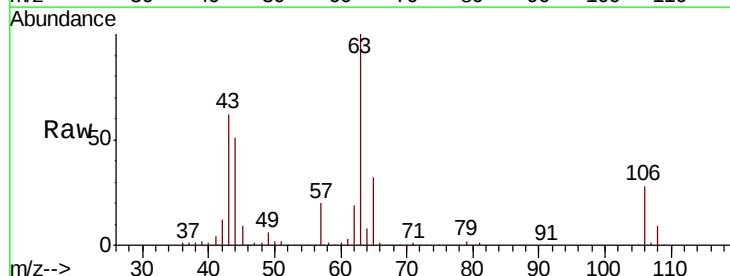
Acq: 02 Aug 2018 20:15

Tgt Ion: 63 Resp: 243476

Ion Ratio Lower Upper

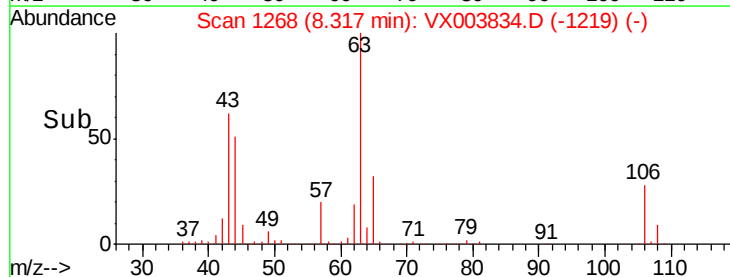
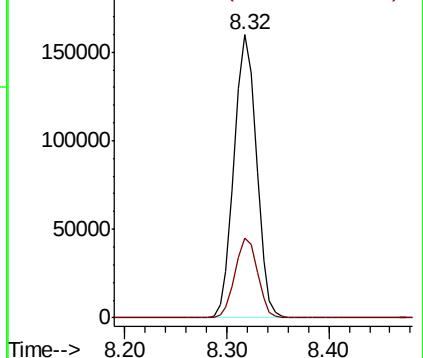
63 100

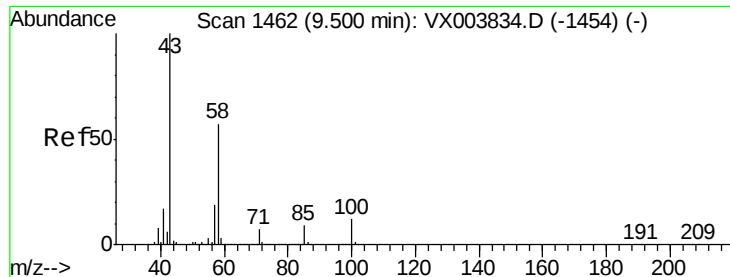
106 28.3 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





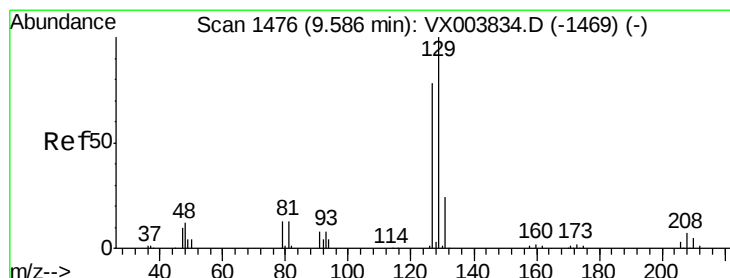
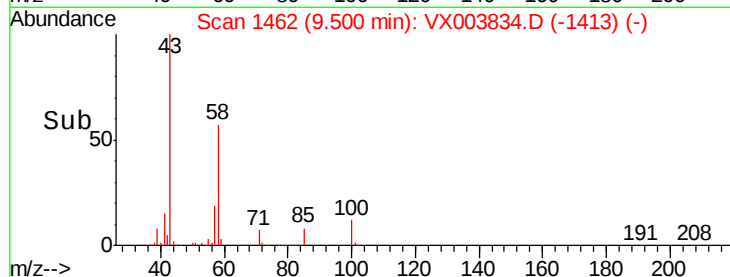
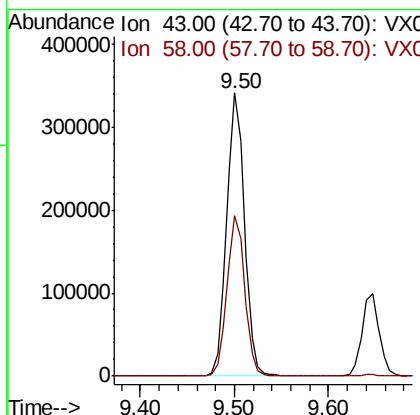
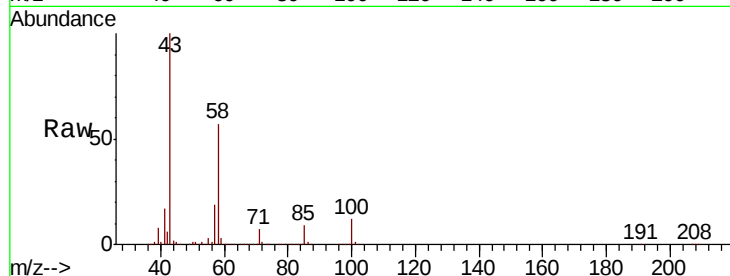
#59
2-Hexanone
Concen: 300.16 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.2	84.7

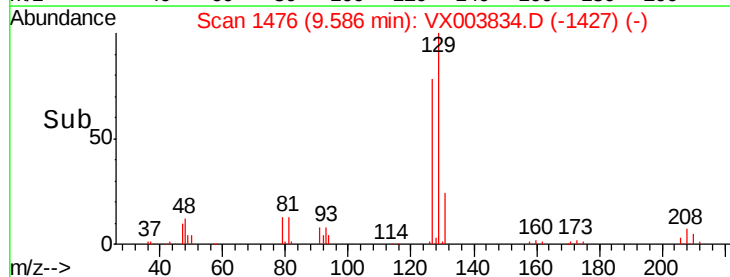
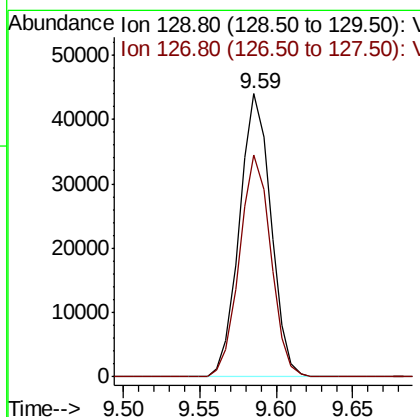
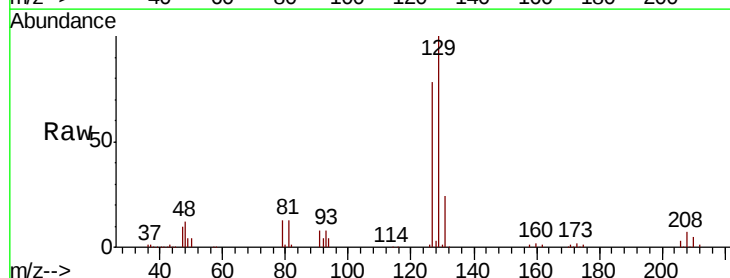
Manual Integrations
APPROVED

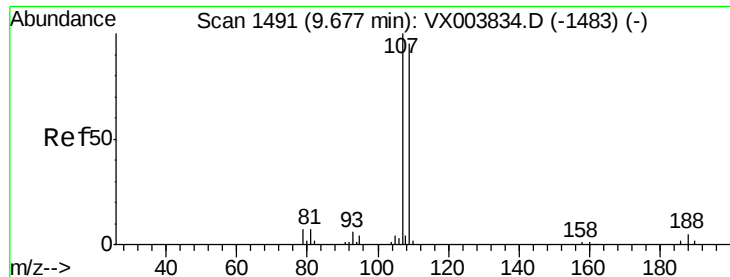
MMDadoda
8/6/2018 1:35:46 PM



#60
Dibromochloromethane
Concen: 54.72 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	116.9





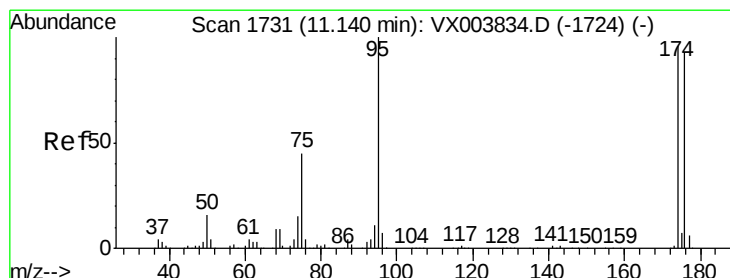
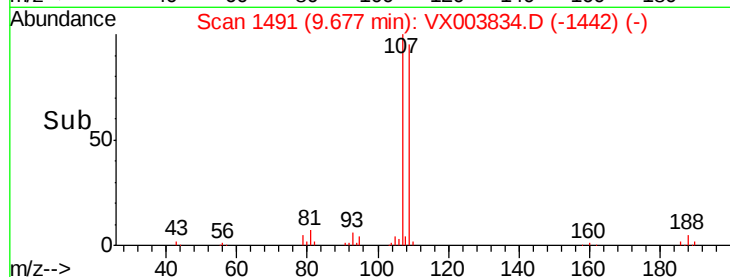
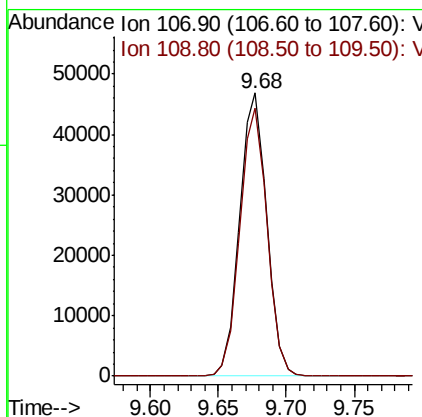
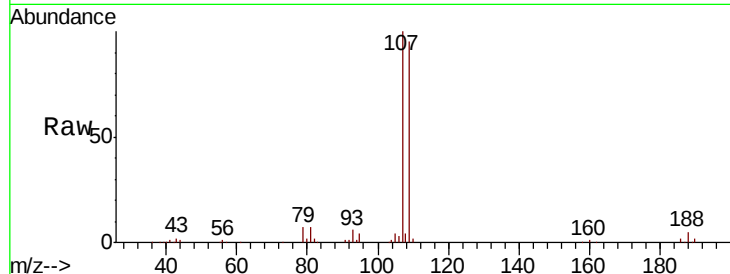
#61
 1,2-Dibromoethane
 Concen: 51.98 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

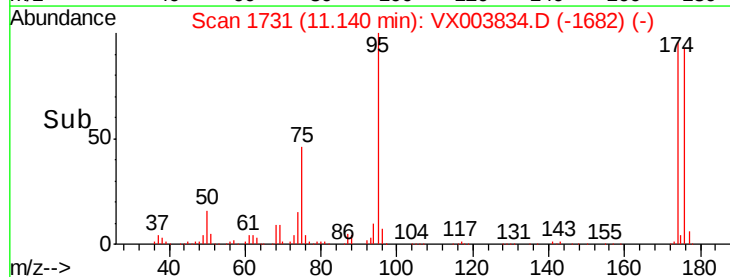
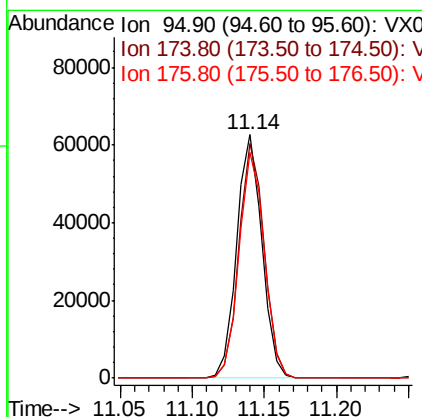
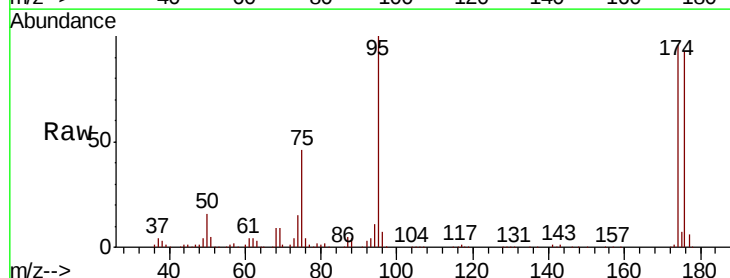
Manual Integrations
 APPROVED

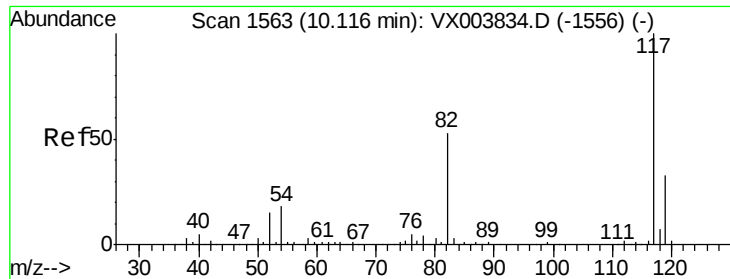
MMDadoda
 8/6/2018 1:35:46 PM



#62
 4-Bromofluorobenzene
 Concen: 49.55 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	192.2
176	92.9	0.0	185.8





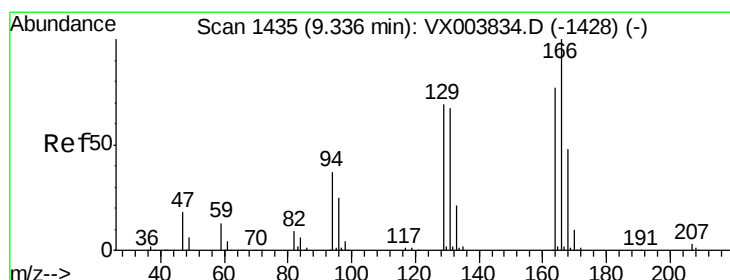
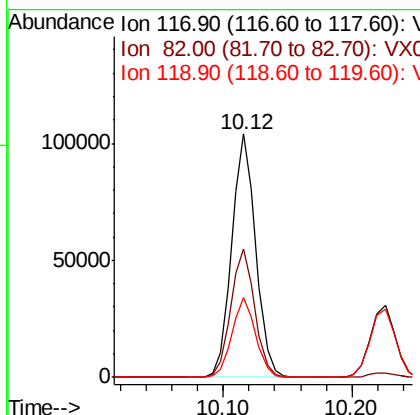
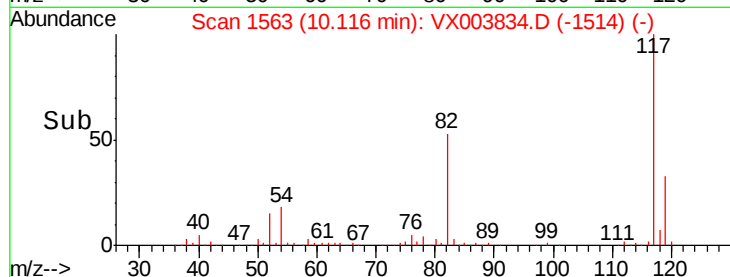
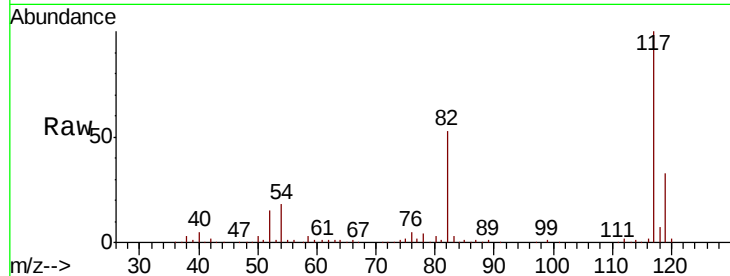
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	32.7	26.2	39.2

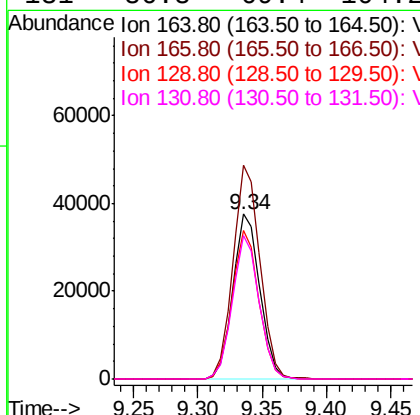
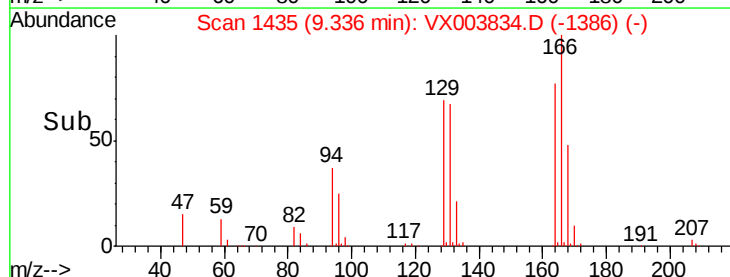
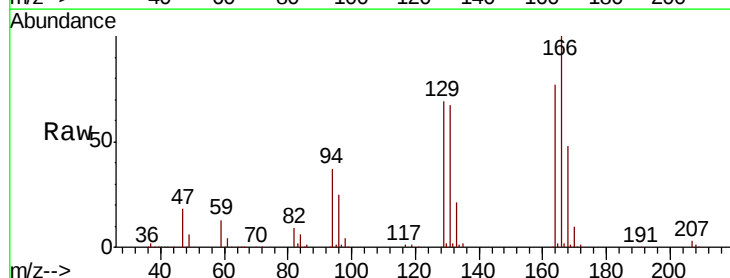
Manual Integrations
APPROVED

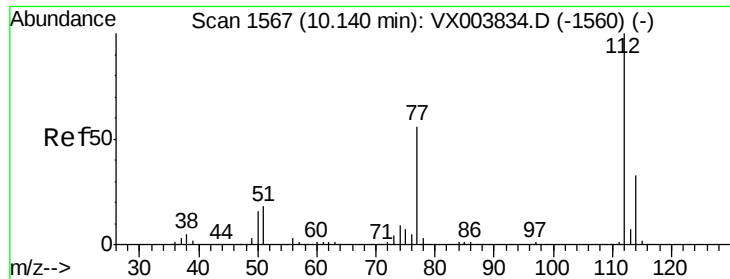
MMDadoda
8/6/2018 1:35:46 PM



#64
Tetrachloroethene
Concen: 45.04 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.7	155.5
129	89.9	71.9	107.9
131	86.8	69.4	104.2





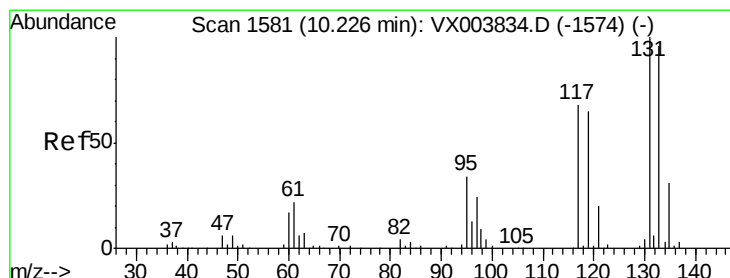
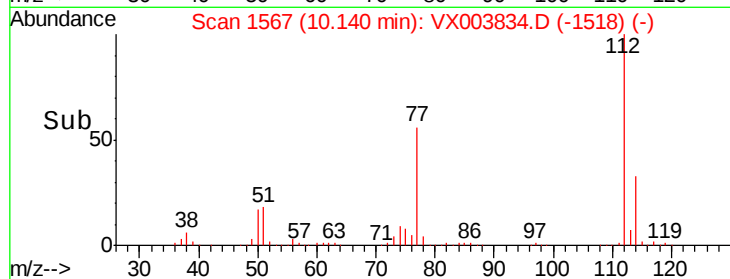
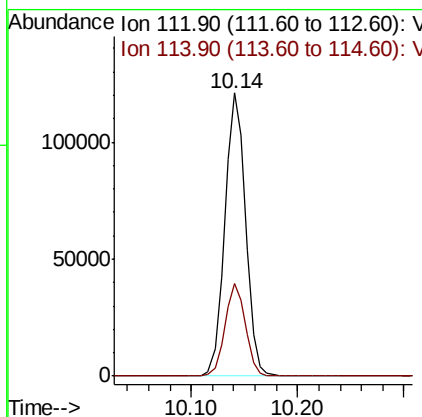
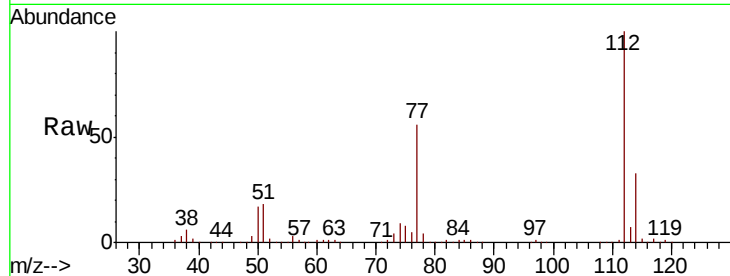
#65
Chlorobenzene
Concen: 48.51 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 164807
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

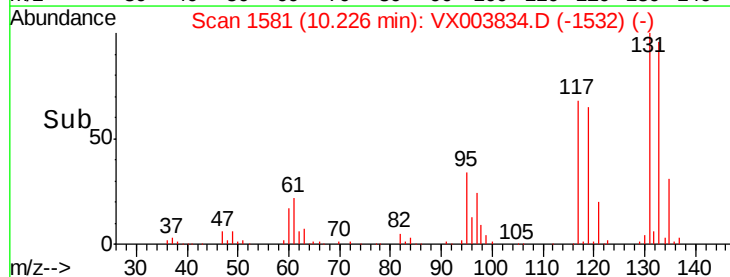
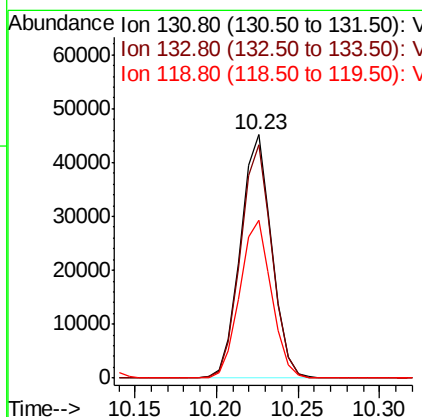
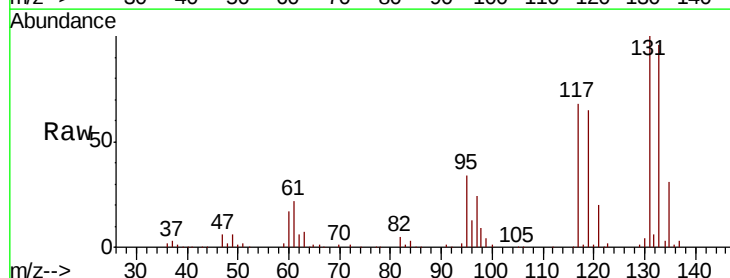
Manual Integrations
APPROVED

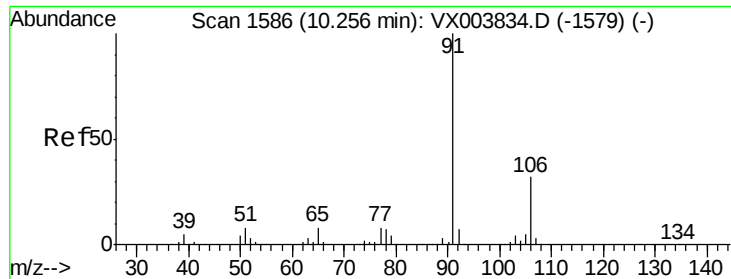
MMDadoda
8/6/2018 1:35:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.92 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion:131 Resp: 60413
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 65.5 32.8 98.3





#67

Ethyl Benzene

Concen: 47.46 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 266673

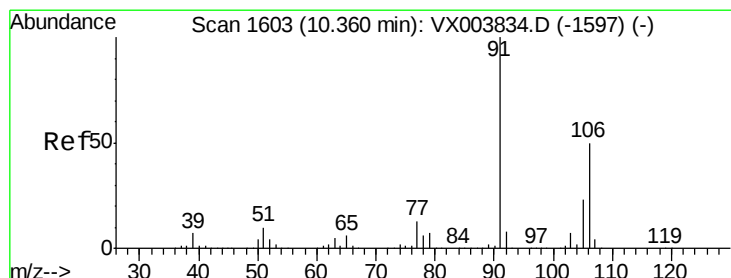
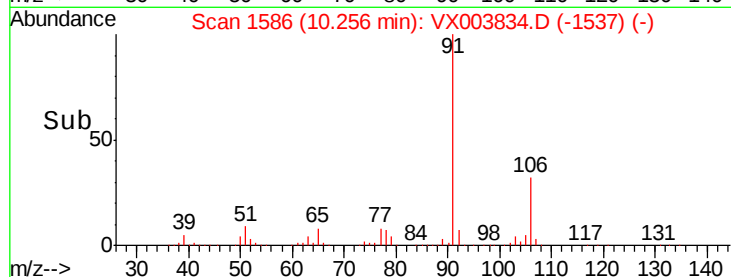
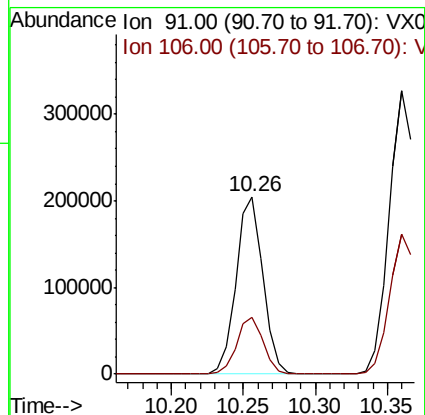
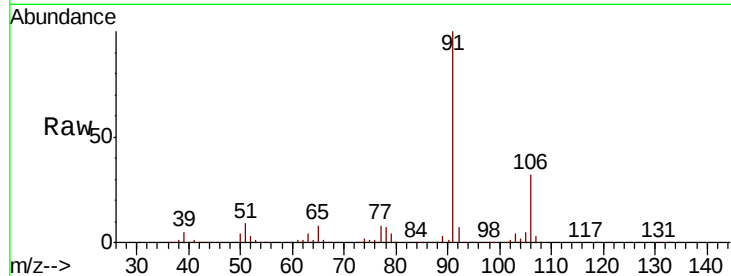
Ion Ratio Lower Upper

91 100

106 32.1 25.7 38.5

Manual Integrations
APPROVED

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8/6/2018 1:35:46 PM



#68

m/p-Xylenes

Concen: 97.59 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003834.D

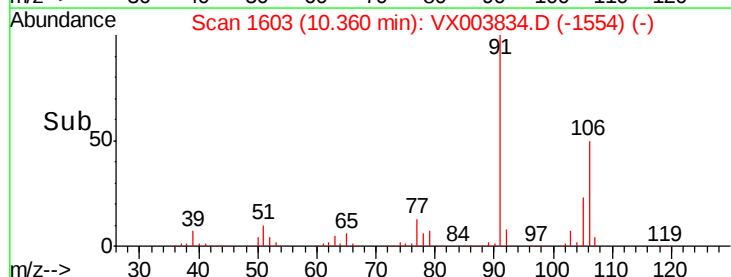
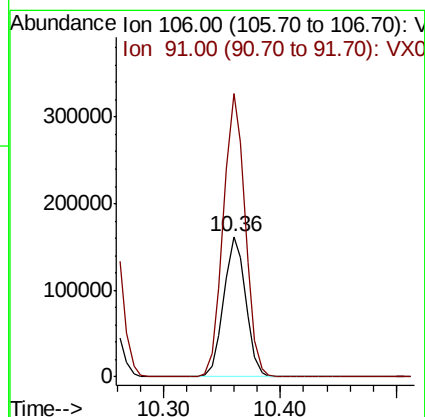
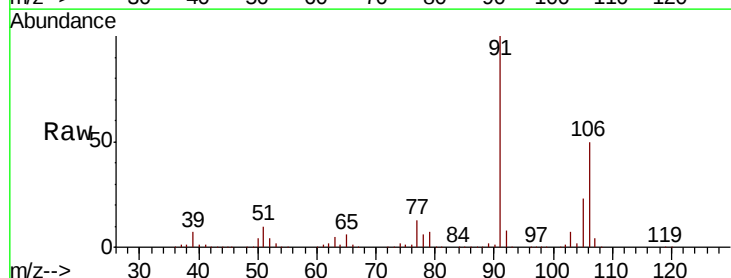
Acq: 02 Aug 2018 20:15

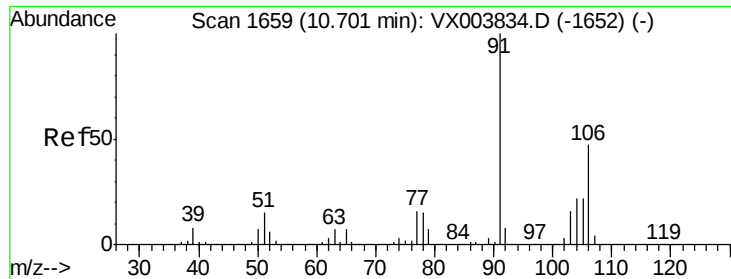
Tgt Ion: 106 Resp: 210798

Ion Ratio Lower Upper

106 100

91 201.6 161.3 241.9





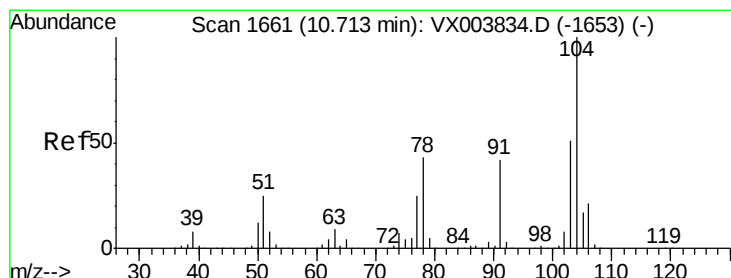
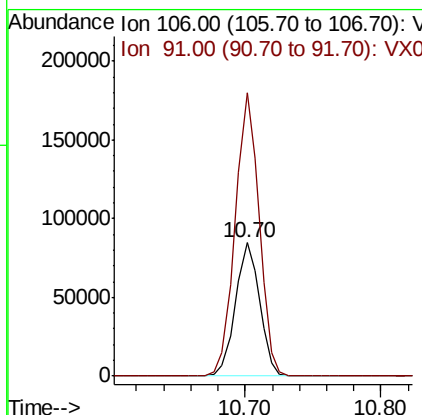
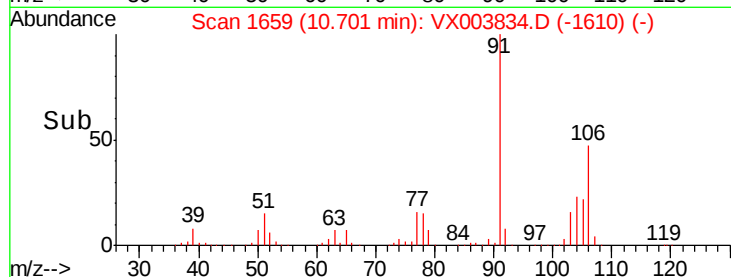
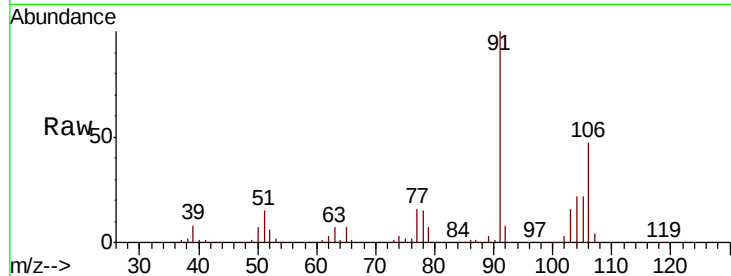
#69
o-Xylene
Concen: 49.96 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 104399
Ion Ratio Lower Upper
106 100
91 211.4 105.7 317.1

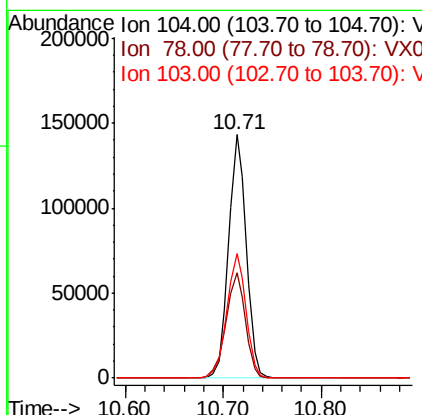
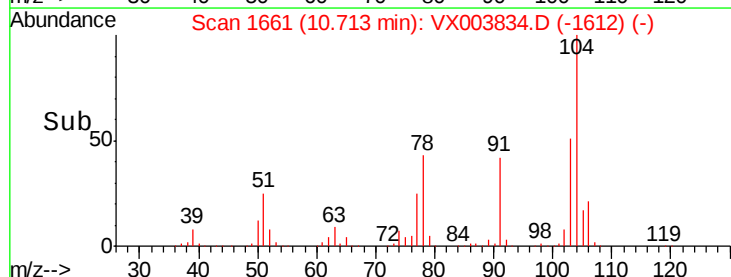
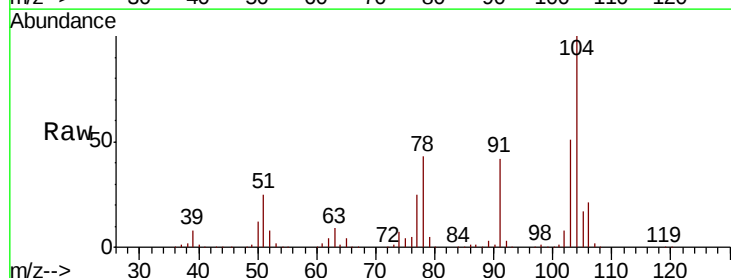
Manual Integrations
APPROVED

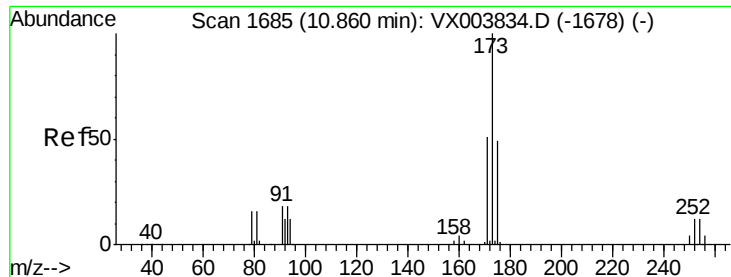
MMDadoda
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#70
Styrene
Concen: 51.25 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion:104 Resp: 180091
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.8
103 55.3 44.2 66.4





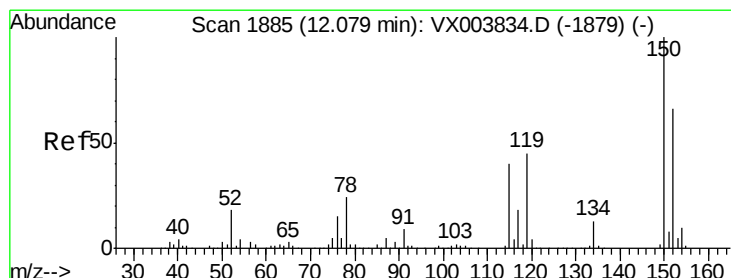
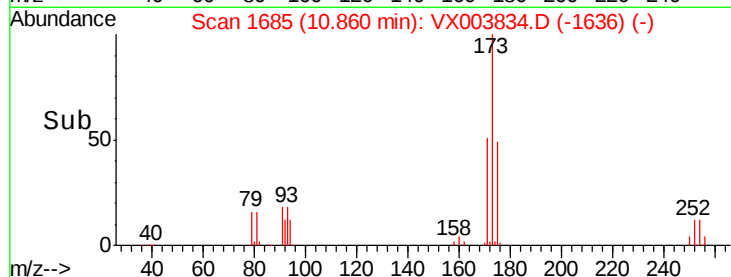
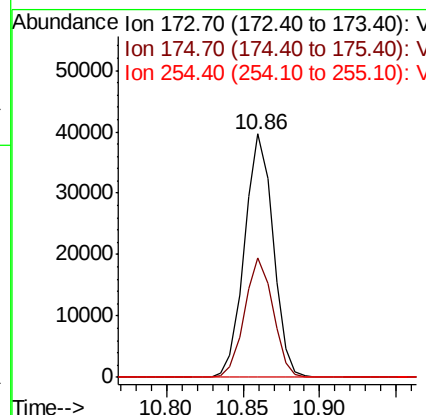
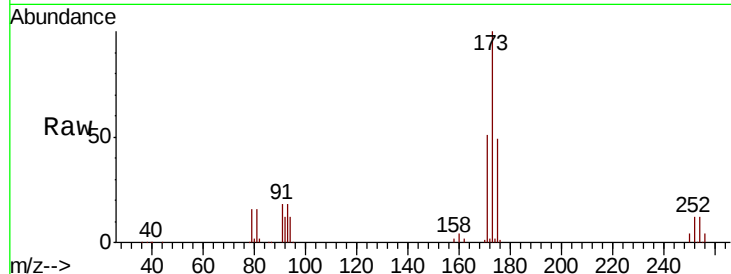
#71
Bromoform
Concen: 54.49 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1

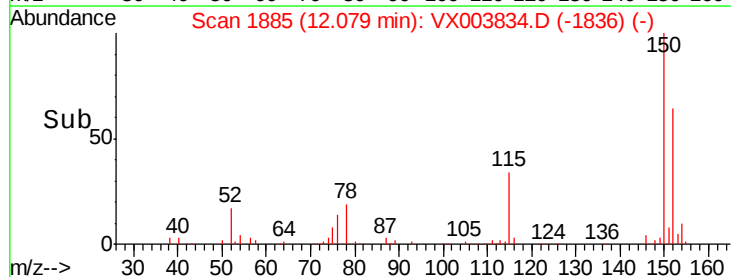
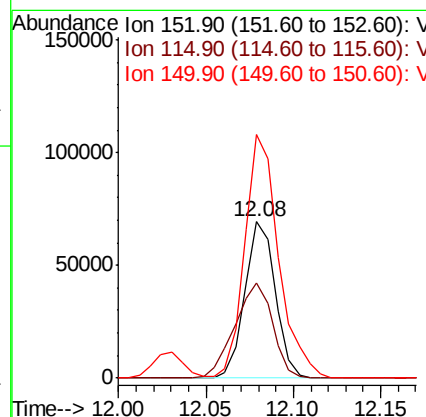
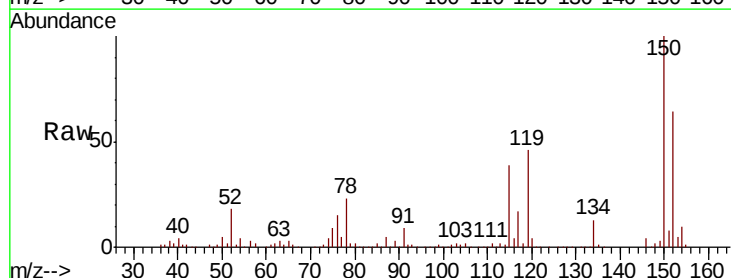
Manual Integrations
APPROVED

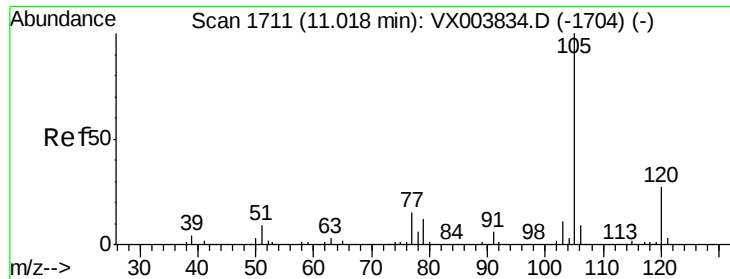
MMDadoda
8/6/2018 1:35:46 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.7	37.4	112.1
150	173.3	0.0	346.6





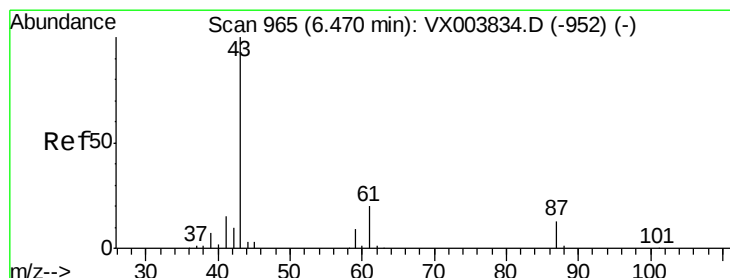
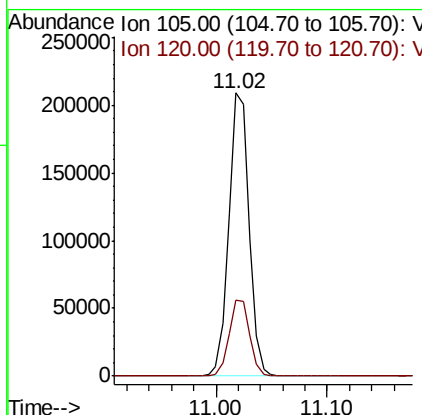
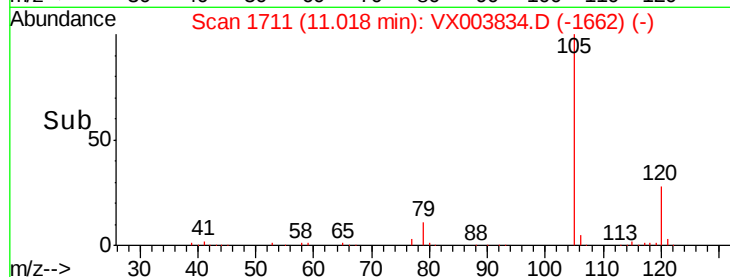
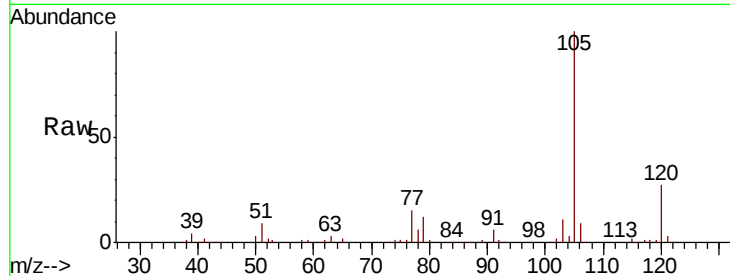
#73
Isopropylbenzene
Concen: 46.56 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.6	40.7

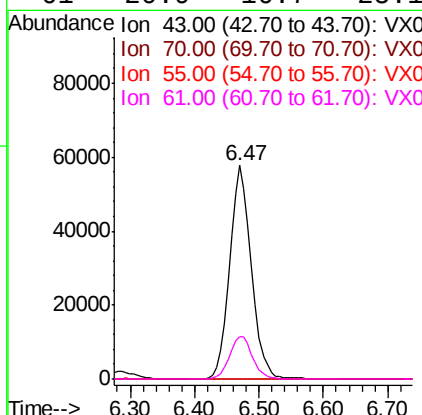
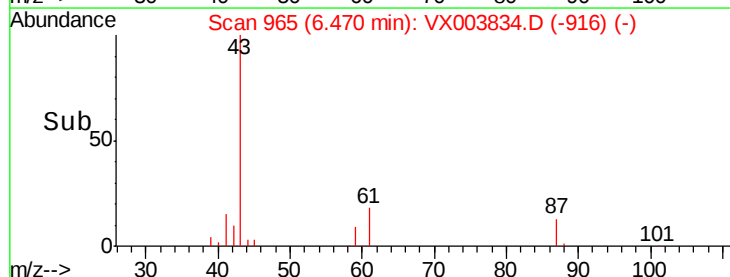
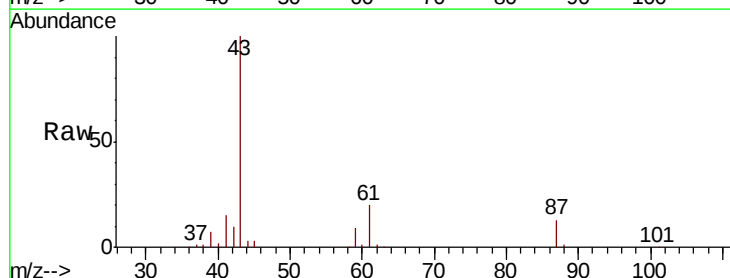
Manual Integrations
APPROVED

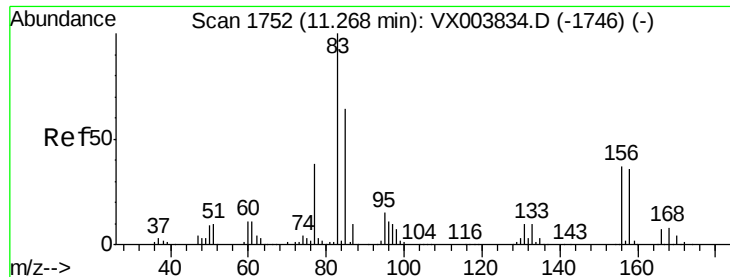
MMDadoda
8/6/2018 1:35:46 PM



#74
N-ethyl acetate
Concen: 46.23 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	20.9	16.7	25.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.88 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

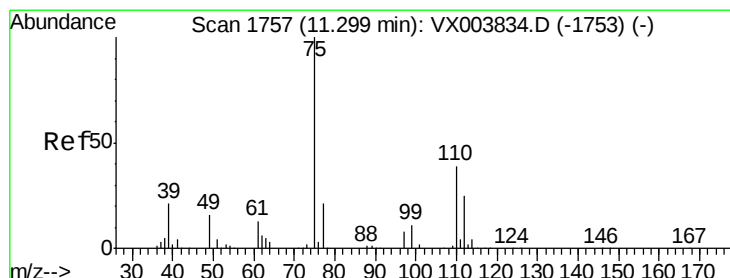
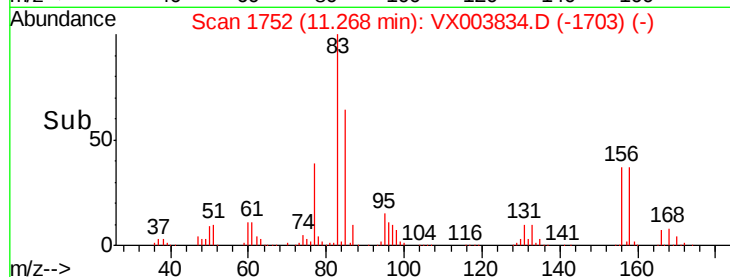
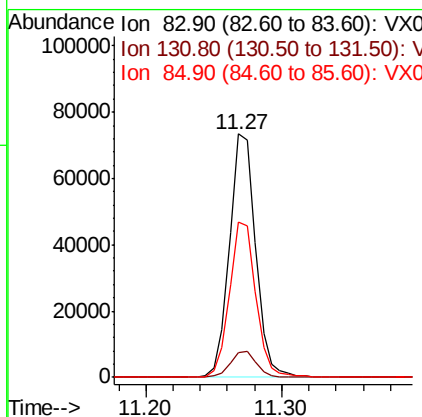
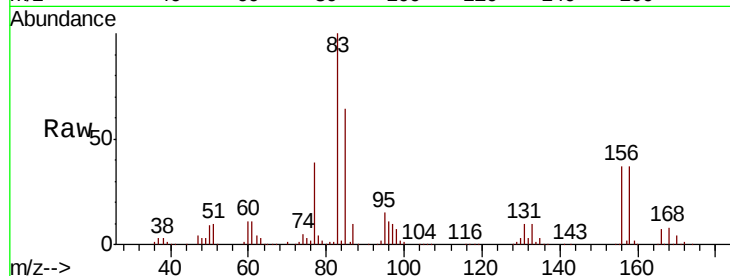
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	98741
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.2	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 48.94 ug/l m

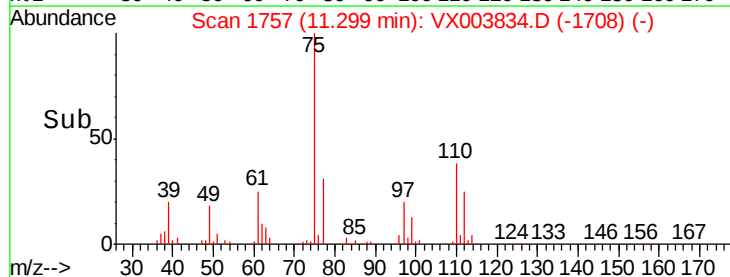
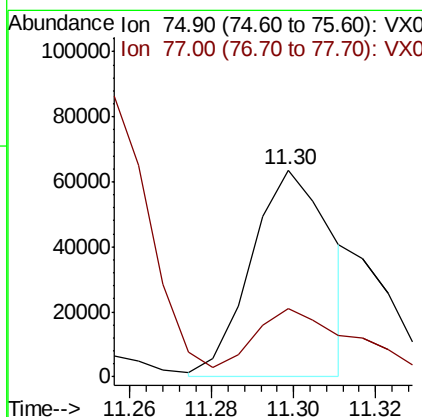
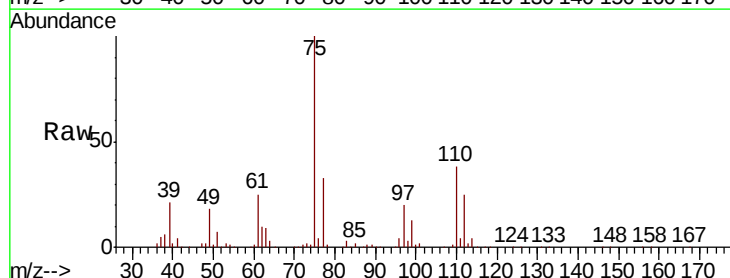
RT: 11.30 min Scan# 1757

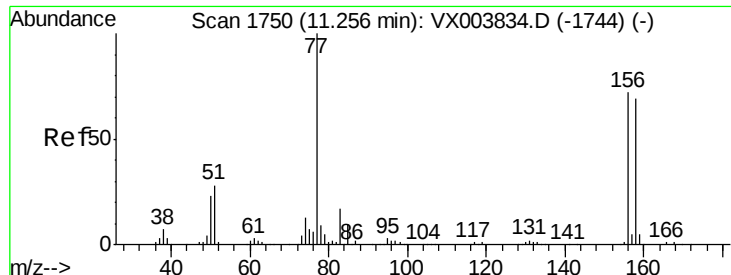
Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	75	Resp:	86019
Ion Ratio	Lower	Upper	
75	100		
77	42.2	21.1	63.3





#77

Bromobenzene

Concen: 50.43 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

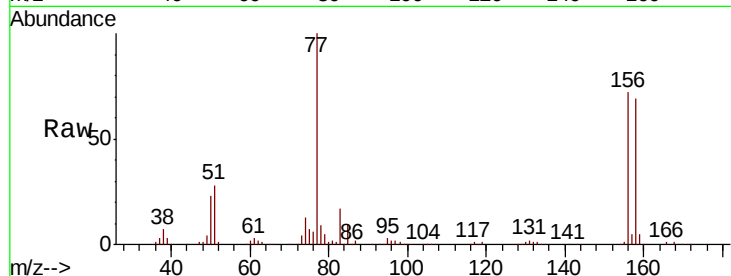
ClientSampleId :

VSTDICCC050

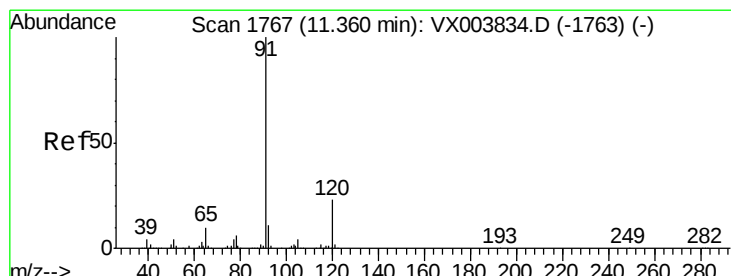
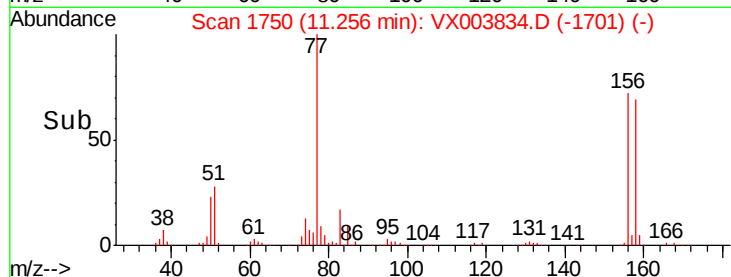
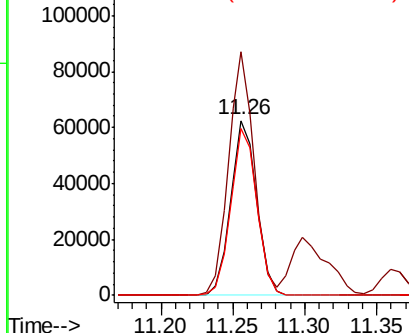
Tot Ion:	156	Resp:	78813
Ion Ratio	Lower	Upper	
156	100		
77	137.9	69.0	206.9
158	96.3	48.1	144.4

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.27 ug/l

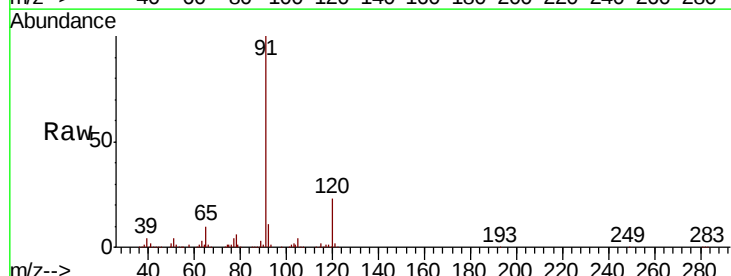
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

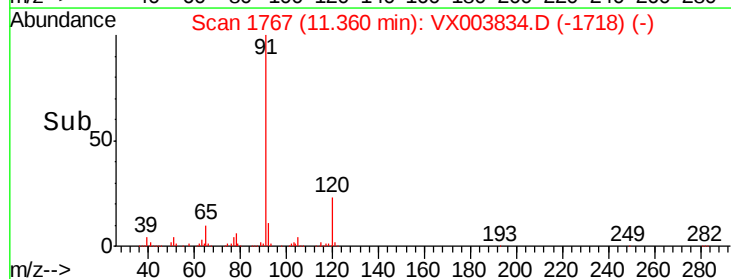
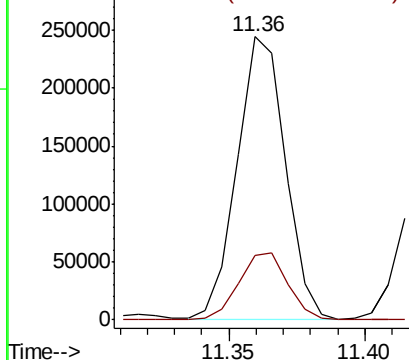
Lab File: VX003834.D

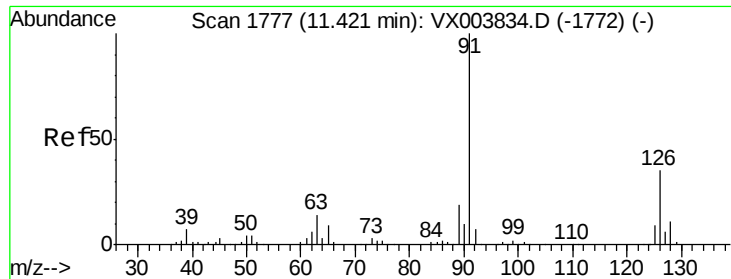
Acq: 02 Aug 2018 20:15

Tgt Ion:	91	Resp:	299421
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.23 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 187876

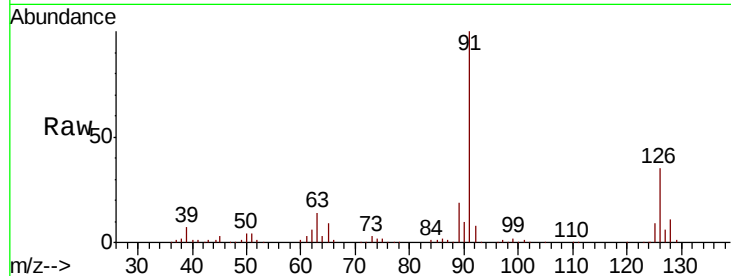
Ion Ratio Lower Upper

91 100

126 35.8 17.9 53.7

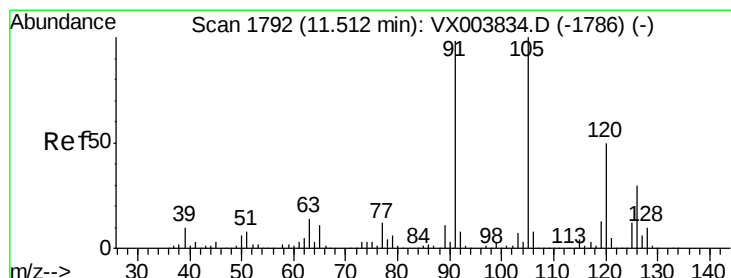
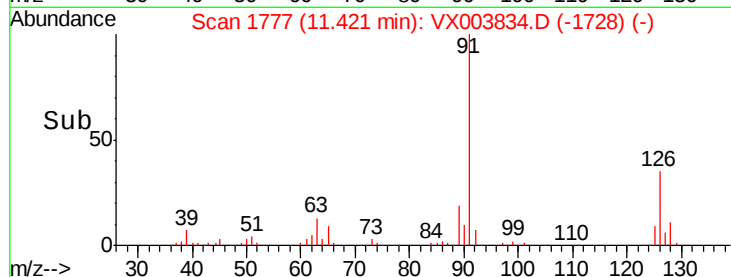
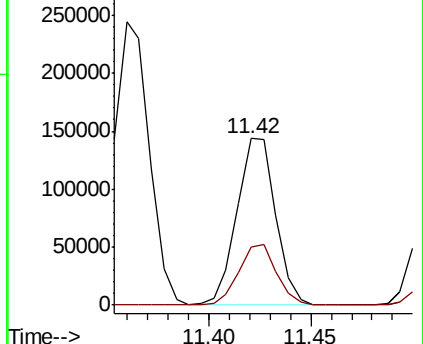
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.32 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003834.D

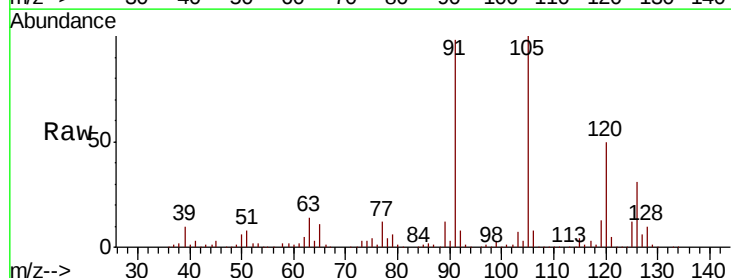
Acq: 02 Aug 2018 20:15

Tgt Ion:105 Resp: 230874

Ion Ratio Lower Upper

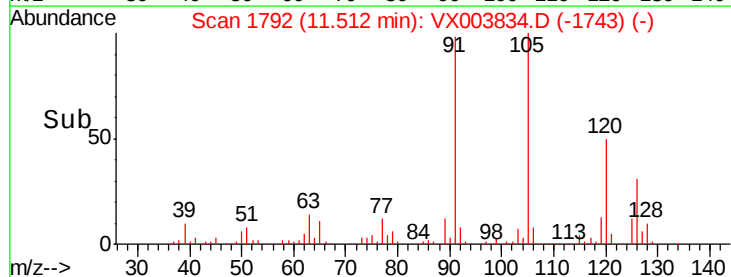
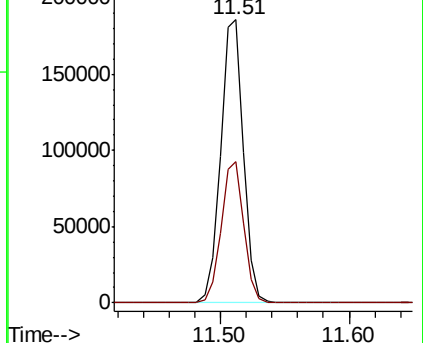
105 100

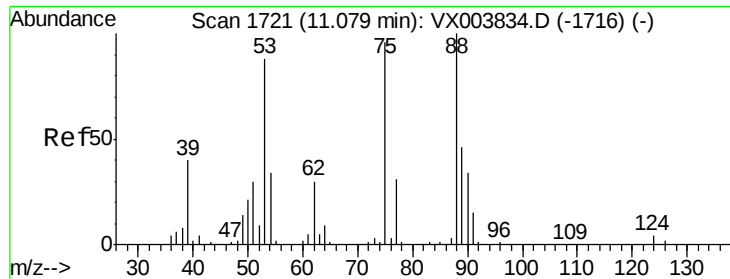
120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





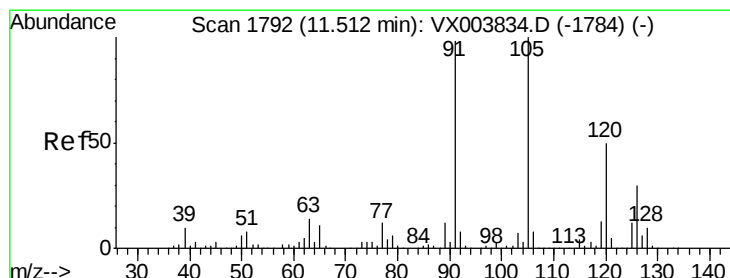
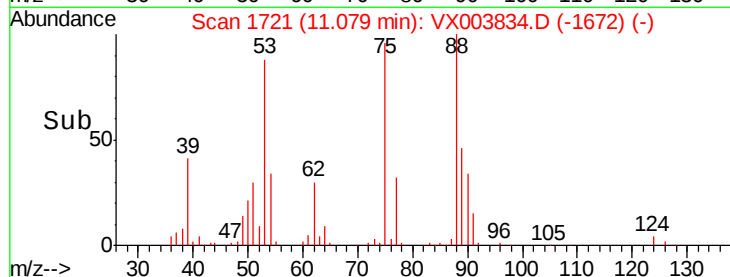
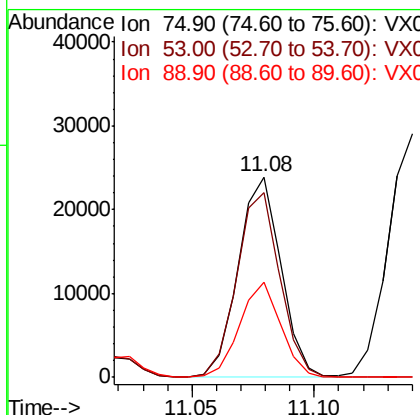
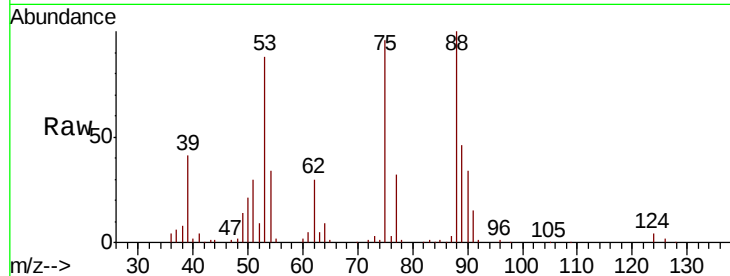
#81
trans-1,4-Dichloro-2-butene
Concen: 51.49 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.6	74.9	112.3
89	45.7	36.6	54.8

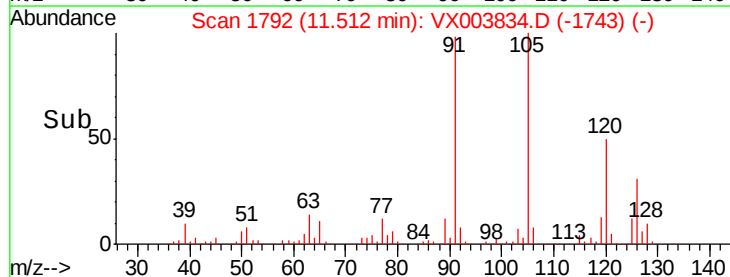
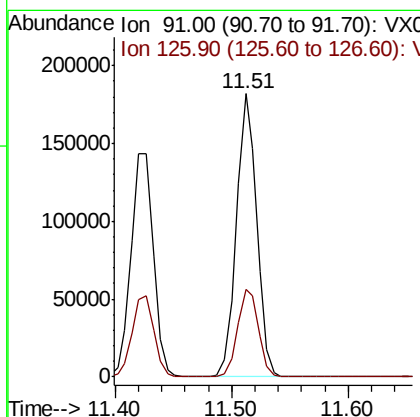
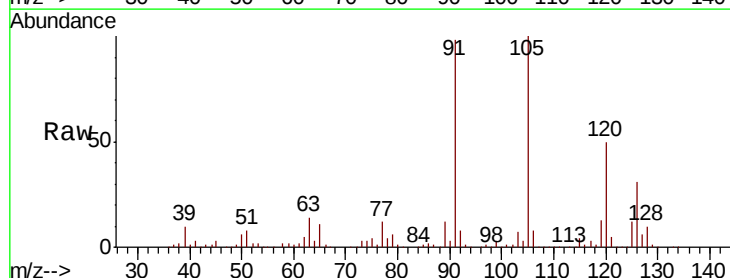
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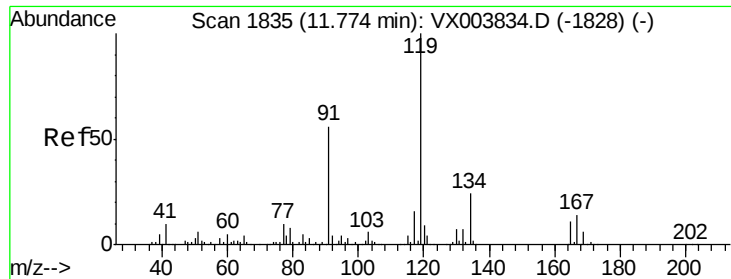
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#82
4-Chlorotoluene
Concen: 47.27 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





#83

tert-Butylbenzene

Concen: 47.43 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

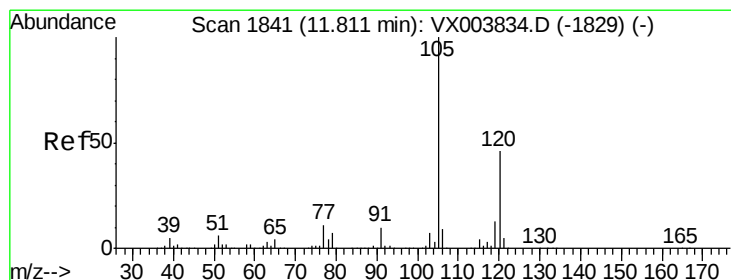
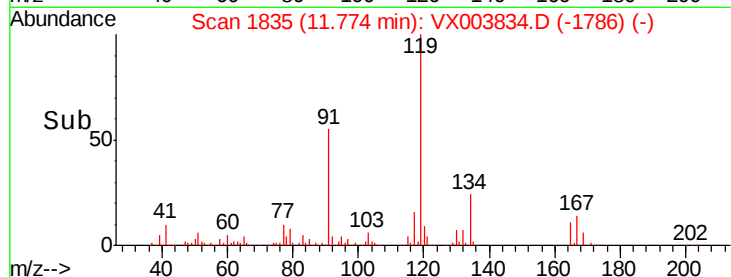
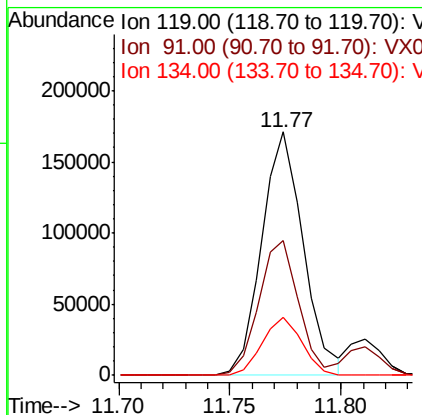
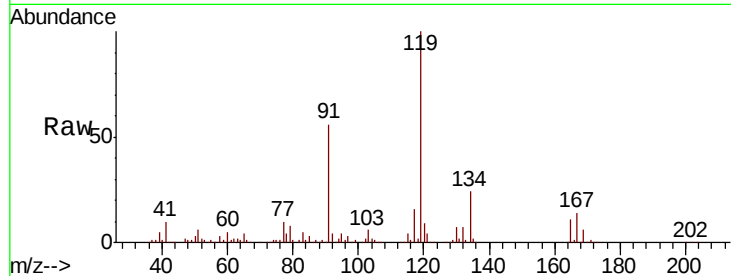
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	221739
Ion Ratio	Lower	Upper	
119	100		
91	53.1	26.6	79.7
134	23.1	11.6	34.7

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#84

1,2,4-Trimethylbenzene

Concen: 49.43 ug/l

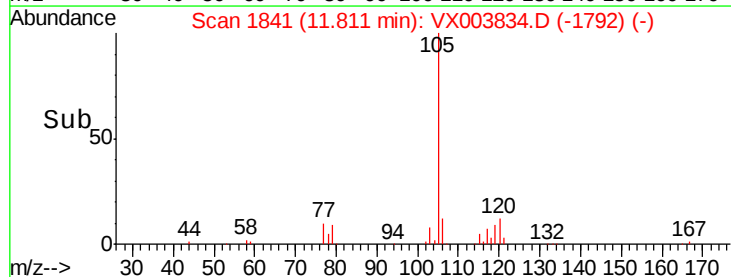
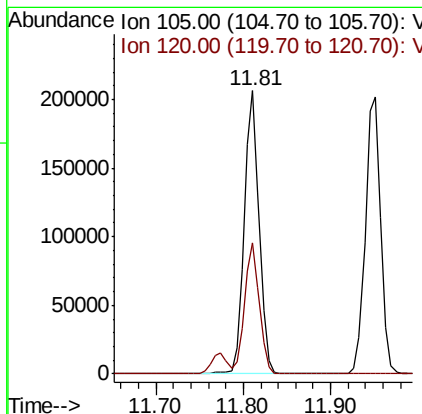
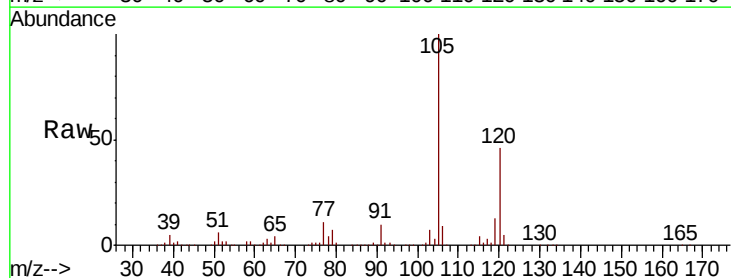
RT: 11.81 min Scan# 1841

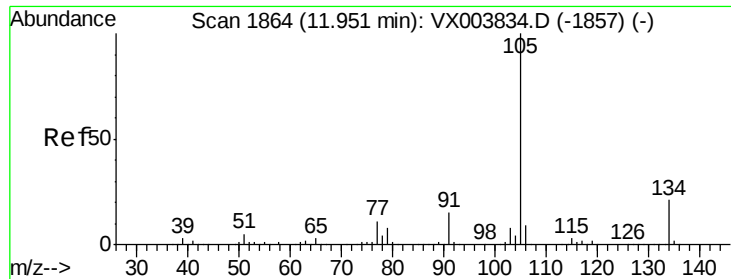
Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	105	Resp:	243538
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.9	68.5





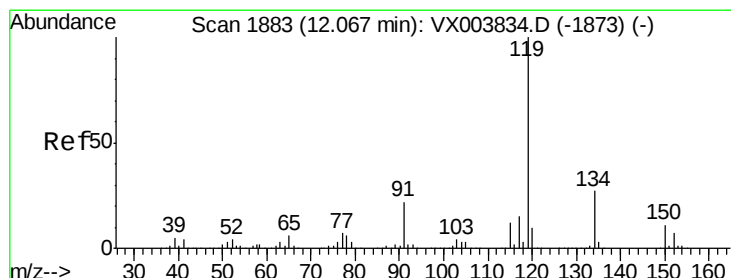
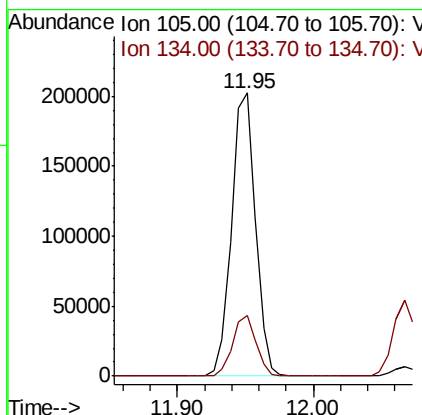
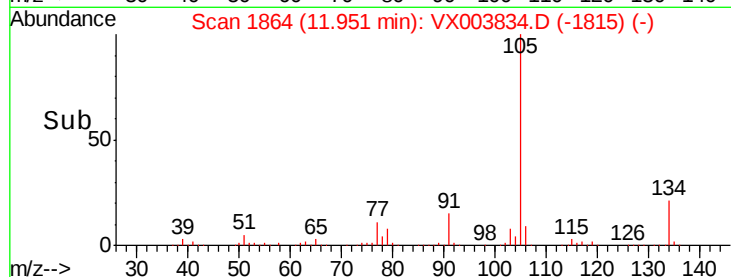
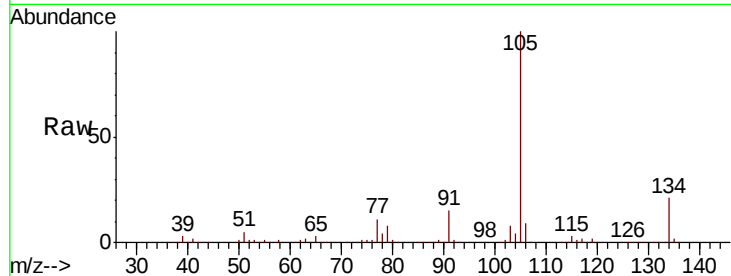
#85
 sec-Butylbenzene
 Concen: 44.95 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 247741
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4

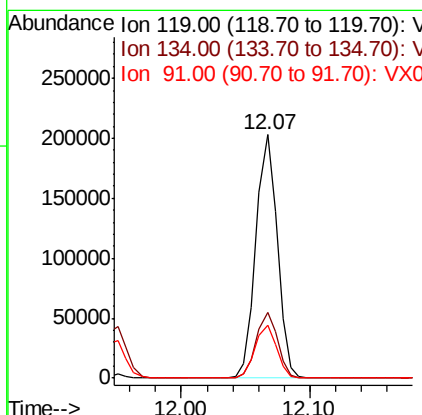
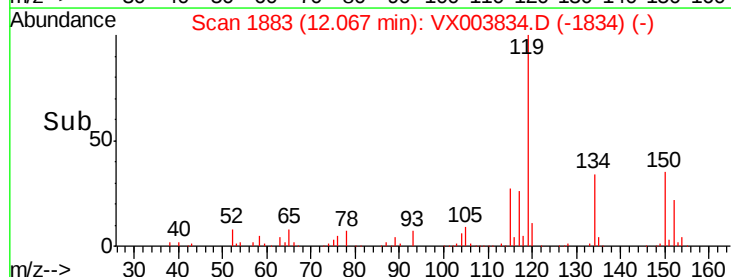
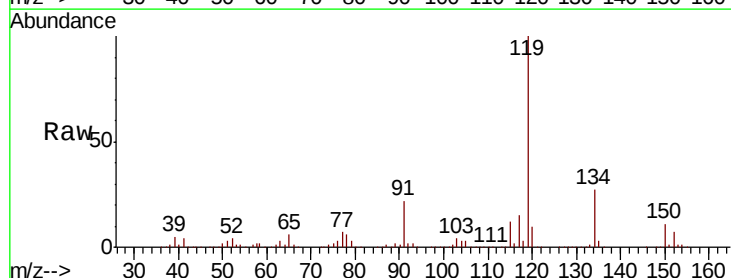
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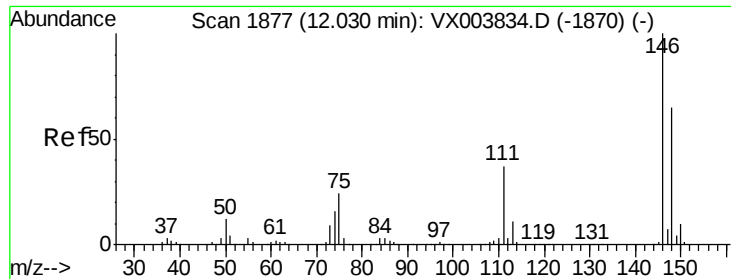
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#86
 p-Isopropyltoluene
 Concen: 46.54 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Tgt Ion:119 Resp: 231379
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 48.82 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

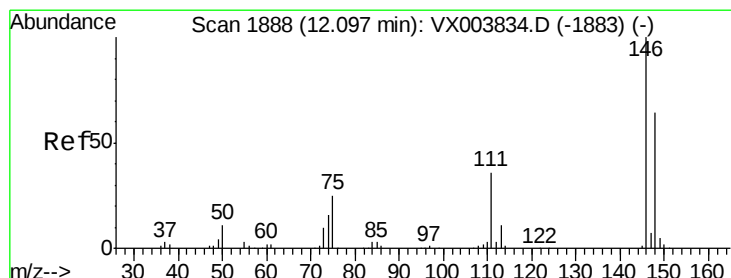
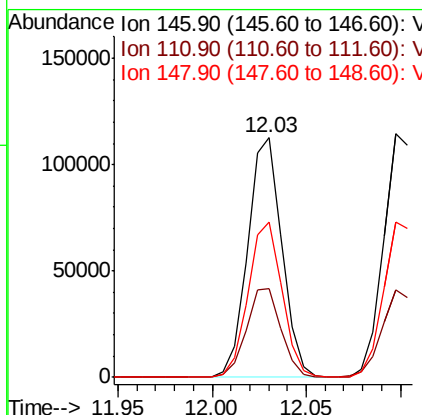
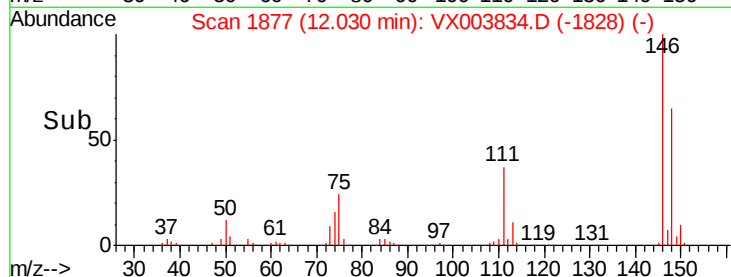
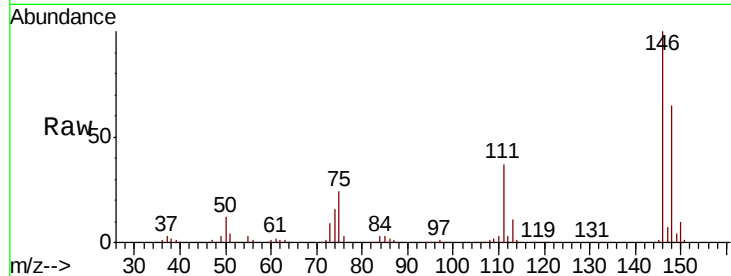
ClientSampled :

VSTDICCC050

Tot Ion:	146	Resp:	141304
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.8	56.4
148	64.4	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.06 ug/l

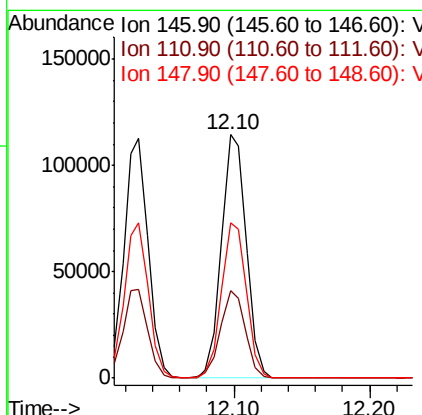
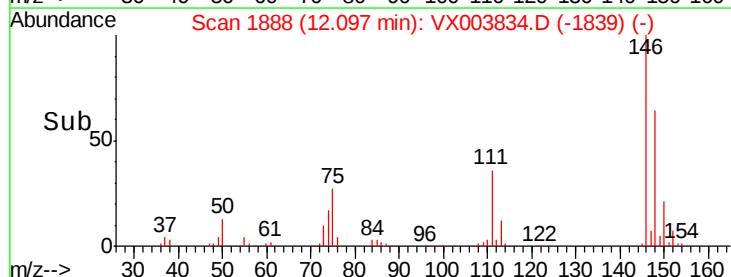
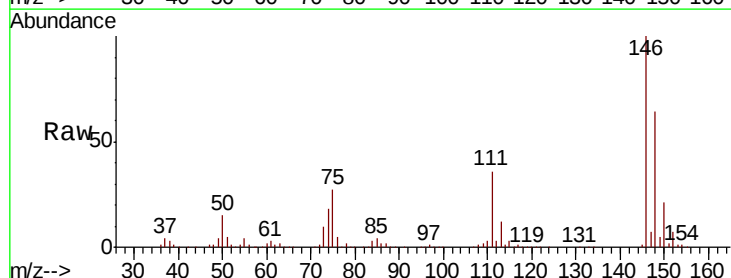
RT: 12.10 min Scan# 1888

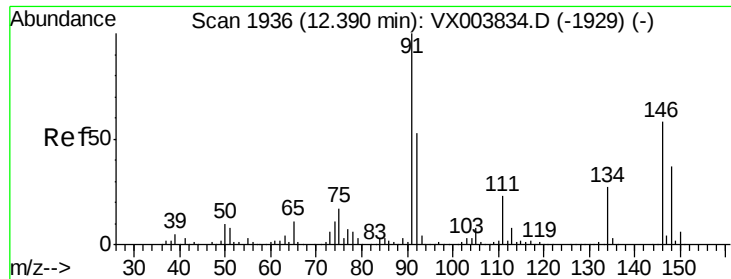
Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	146	Resp:	144729
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.1	54.3
148	64.3	32.1	96.5





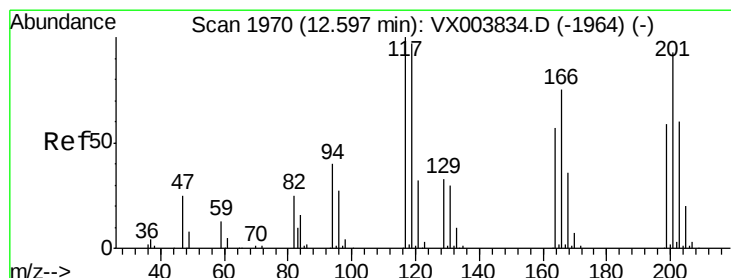
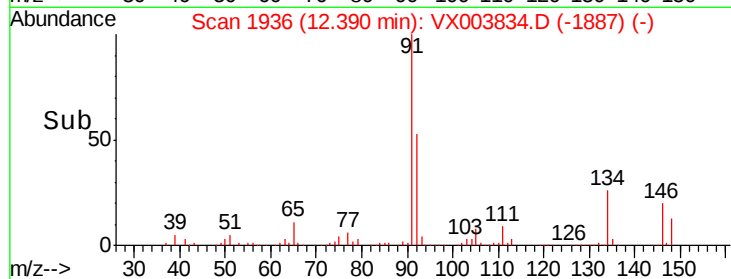
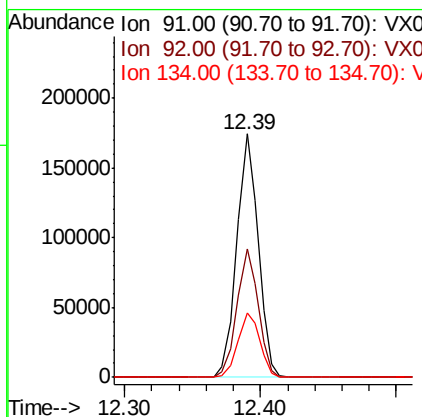
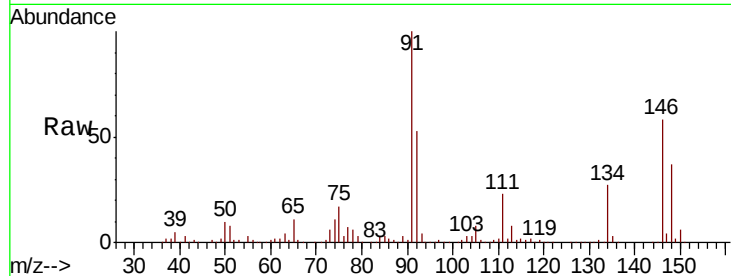
#89
n-Butylbenzene
Concen: 43.01 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	191171		
92	52.6	26.3	78.9	
134	27.3	13.7	41.0	

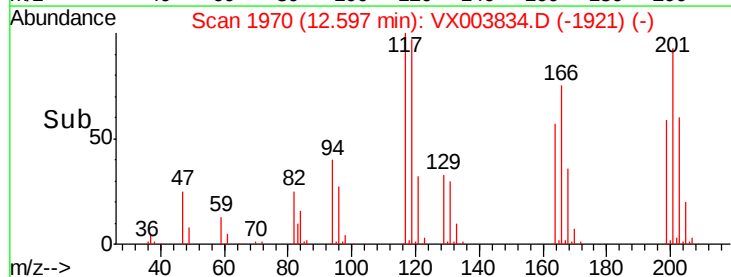
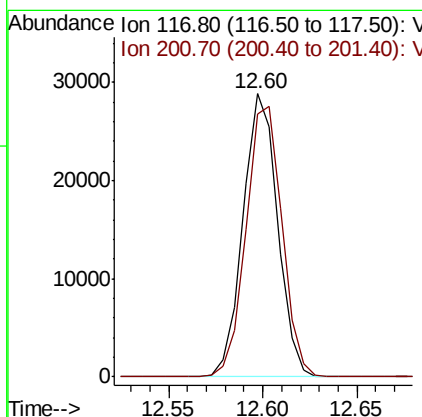
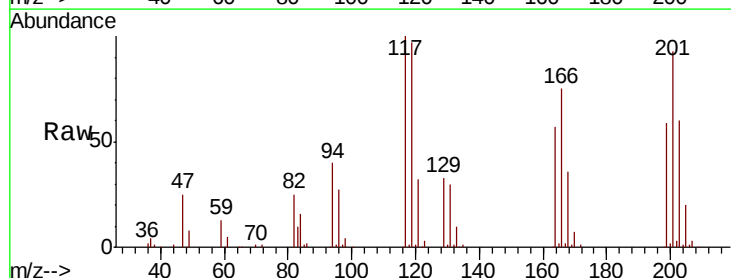
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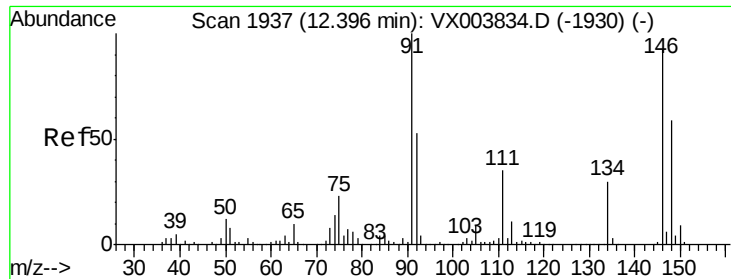
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#90
Hexachloroethane
Concen: 47.88 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003834.D
Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36637		
201	99.7	49.9	149.6	





#91

1,2-Dichlorobenzene

Concen: 49.10 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 146 Resp: 145578

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.5

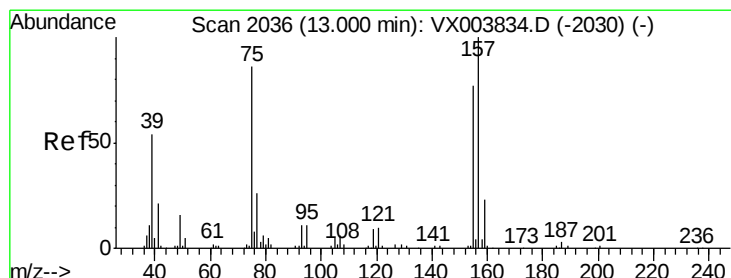
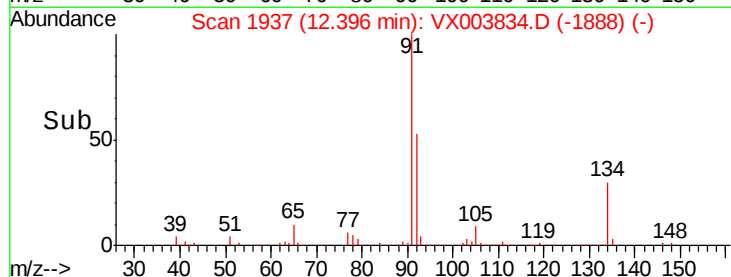
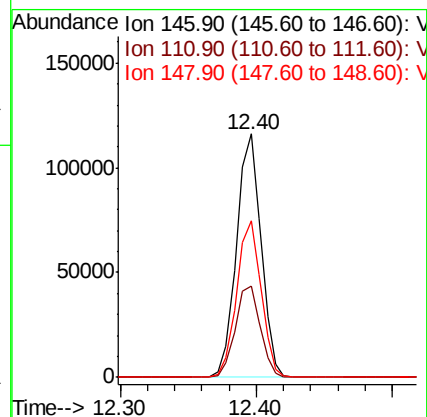
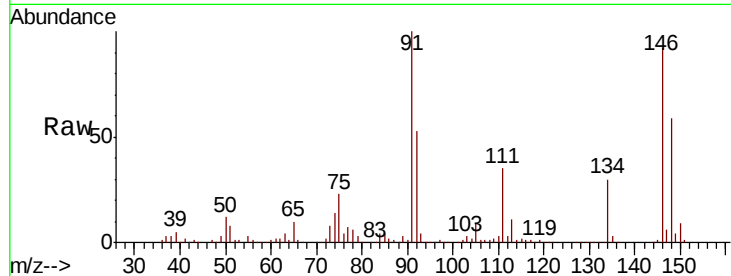
148 64.1 32.0 96.2

Manual Integrations

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.66 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

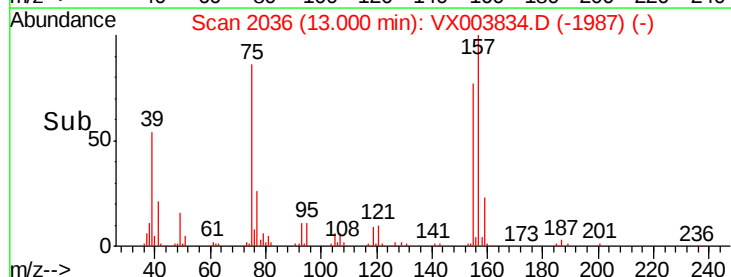
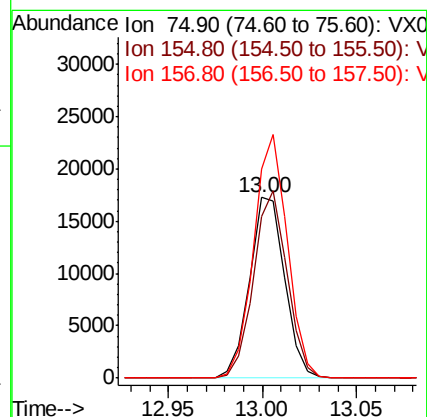
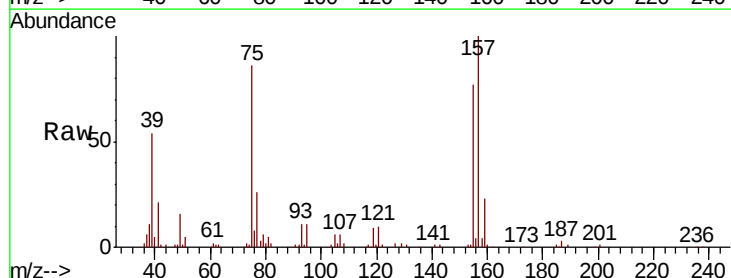
Tgt Ion: 75 Resp: 22338

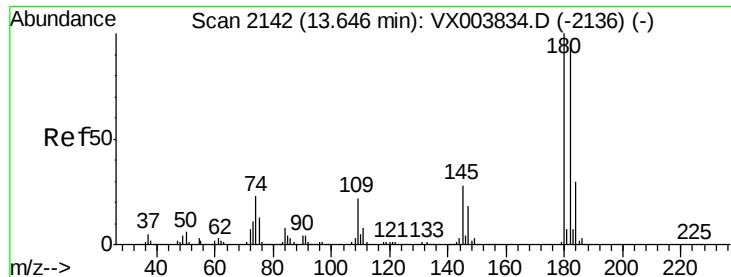
Ion Ratio Lower Upper

75 100

155 98.9 49.5 148.3

157 129.0 64.5 193.5





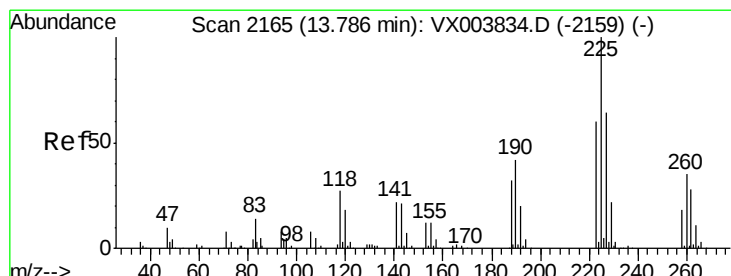
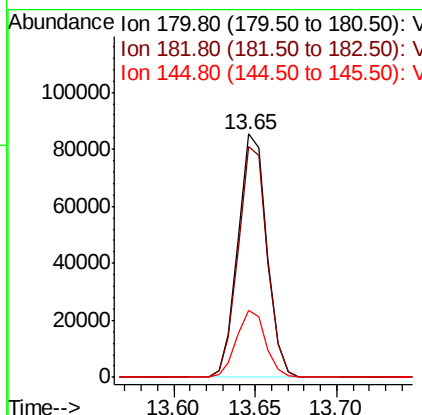
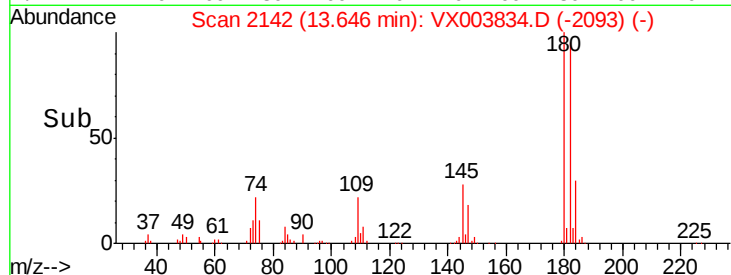
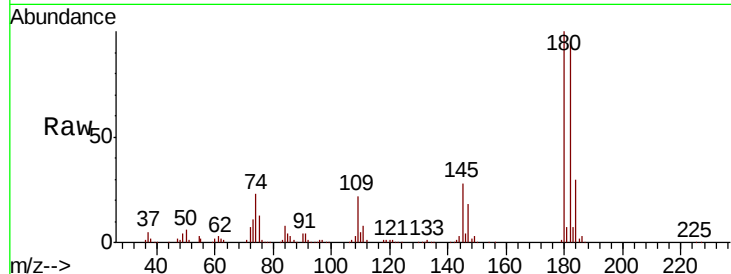
#93
 1,2,4-Trichlorobenzene
 Concen: 49.93 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.9
145	27.5	13.8	41.3

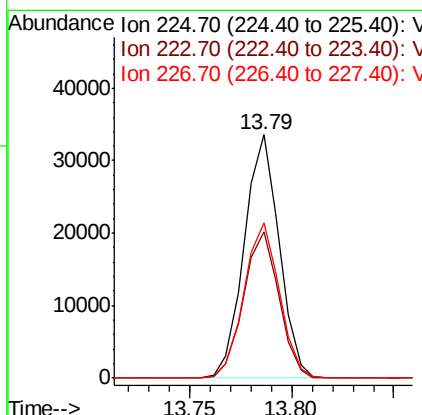
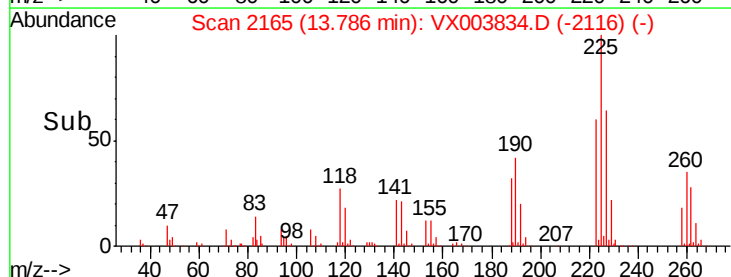
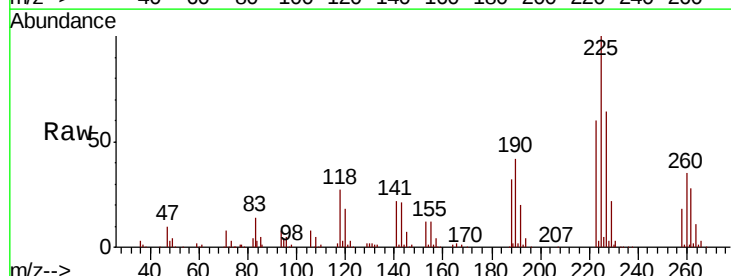
Manual Integrations
 APPROVED

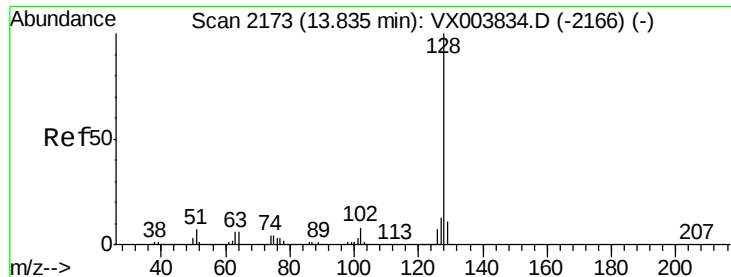
MMDadoda
 8/6/2018 1:35:46 PM



#94
 Hexachlorobutadiene
 Concen: 41.97 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003834.D
 Acq: 02 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.4	91.3
227	64.4	32.2	96.6





#95

Naphthalene

Concen: 52.93 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Instrument :

MSVOA_X

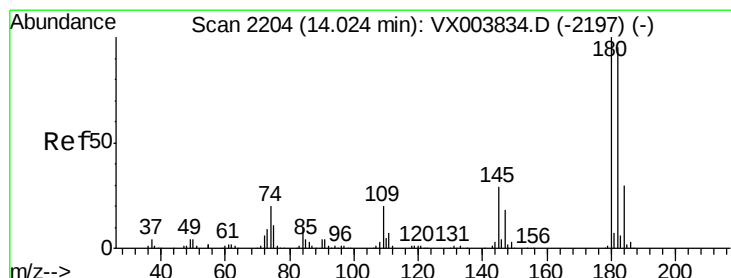
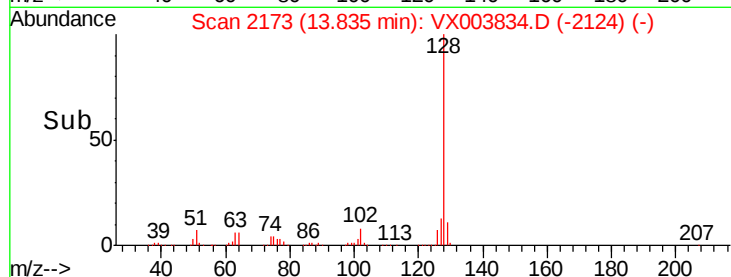
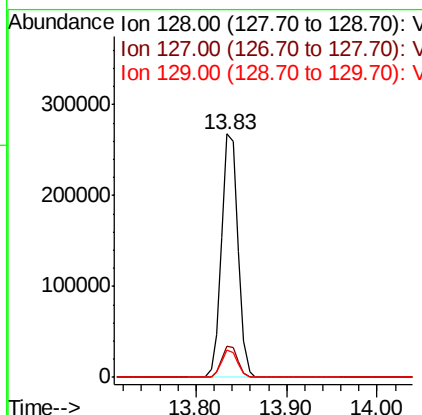
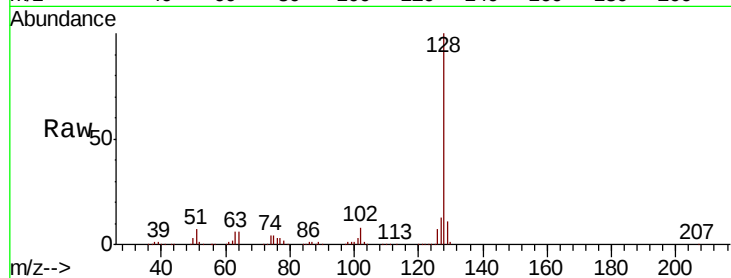
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	338497
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.33 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003834.D

Acq: 02 Aug 2018 20:15

Tgt Ion:	180	Resp:	110465
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.4
145	29.3	14.6	44.0

