

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
 Data File : VX010602.D
 Acq On : 01 Jul 2019 19:38
 Operator : JC/SP
 Sample : K3521-40MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMSD

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 9:55:32 AM

Quant Time: Jul 02 07:19:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	227656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	315919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115105	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	5.50	113	111800	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	8.71	98	408037	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.13	95	148344	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68216	43.100	ug/l	97
3) Chloromethane	1.32	50	80447	43.650	ug/l	98
4) Vinyl Chloride	1.41	62	91034	45.097	ug/l	99
5) Bromomethane	1.64	94	45134	45.894	ug/l	99
6) Chloroethane	1.72	64	58966	49.512	ug/l	98
7) Trichlorofluoromethane	1.93	101	162215	50.692	ug/l	99
8) Diethyl Ether	2.19	74	60170	52.433	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91137	46.997	ug/l	99
10) Methyl Iodide	2.51	142	126372	45.662	ug/l	99
11) Tert butyl alcohol	3.05	59	122786	219.838	ug/l	98
12) 1,1-Dichloroethene	2.37	96	94152	47.714	ug/l	98
13) Acrolein	2.29	56	100170	270.354	ug/l	98
14) Allyl chloride	2.73	41	138697	49.508	ug/l	99
15) Acrylonitrile	3.14	53	289392	261.698	ug/l	99
16) Acetone	2.45	43	227509	212.676	ug/l	96
17) Carbon Disulfide	2.57	76	220343	41.621	ug/l	100
18) Methyl Acetate	2.78	43	99545	46.689	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	328854	52.975	ug/l	100
20) Methylene Chloride	2.85	84	112398	51.056	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	101941	48.034	ug/l	96
22) Diisopropyl ether	3.85	45	307531	52.504	ug/l	94
23) Vinyl Acetate	3.82	43	1178780	232.959	ug/l	100
24) 1,1-Dichloroethane	3.70	63	176623	52.167	ug/l	98
25) 2-Butanone	4.67	43	385571	245.714	ug/l	98
26) 2,2-Dichloropropane	4.59	77	116443	39.591	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	124456	50.747	ug/l	100
28) Bromochloromethane	5.01	49	81177	50.147	ug/l	96
29) Tetrahydrofuran	5.13	42	249779	256.984	ug/l	99
30) Chloroform	5.21	83	190450	52.281	ug/l	99
31) Cyclohexane	5.58	56	144035	46.717	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	165256	51.376	ug/l	99
36) 1,1-Dichloropropene	5.80	75	132387	47.670	ug/l	99
37) Ethyl Acetate	4.84	43	129231	45.233	ug/l	99
38) Carbon Tetrachloride	5.79	117	144119	47.924	ug/l	99

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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	156703	42.927	ug/l	99
40) Benzene	6.14	78	426535	49.298	ug/l	100
41) Methacrylonitrile	5.04	41	79730	50.862	ug/l	99
42) 1,2-Dichloroethane	6.19	62	139915	53.125	ug/l	98
43) Isopropyl Acetate	6.45	43	224061	47.402	ug/l	99
44) Trichloroethene	7.21	130	123952	47.878	ug/l	99
45) 1,2-Dichloropropane	7.51	63	108604	49.707	ug/l	100
46) Dibromomethane	7.66	93	78457	50.049	ug/l	98
47) Bromodichloromethane	7.90	83	145838	50.764	ug/l	100
48) Methyl methacrylate	7.77	41	115455	52.548	ug/l	98
49) 1,4-Dioxane	7.74	88	56090	886.193	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	787698	260.558	ug/l	98
52) Toluene	8.79	92	275548	48.361	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	153282	47.590	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	168722	48.204	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	120189	51.147	ug/l	99
56) Ethyl methacrylate	9.18	69	180694	50.761	ug/l	97
57) 1,3-Dichloropropane	9.37	76	187108	51.295	ug/l	99
59) 2-Hexanone	9.49	43	598947	251.732	ug/l	98
60) Dibromochloromethane	9.58	129	130048	49.428	ug/l	99
61) 1,2-Dibromoethane	9.67	107	127459	50.252	ug/l	100
64) Tetrachloroethene	9.34	164	114739	44.903	ug/l	99
65) Chlorobenzene	10.13	112	342496	53.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	120120	51.416	ug/l	99
67) Ethyl Benzene	10.25	91	537333	49.625	ug/l	99
68) m/p-Xylenes	10.36	106	408717	97.418	ug/l	98
69) o-Xylene	10.69	106	201854	48.924	ug/l	99
70) Stvrene	10.71	104	348736	50.401	ug/l	99
71) Bromoform	10.85	173	99542	48.996	ug/l	99
73) Isopropylbenzene	11.02	105	545154	50.194	ug/l	98
74) N-amyl acetate	10.90	43	191688	46.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	183475	51.010	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	148919m	51.006	ug/l	
77) Bromobenzene	11.26	156	148734	49.044	ug/l	98
78) n-propylbenzene	11.36	91	597063	50.020	ug/l	99
79) 2-Chlorotoluene	11.42	91	353434	49.724	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	445319	49.737	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53472	42.726	ug/l	93
82) 4-Chlorotoluene	11.51	91	408880	50.553	ug/l	100
83) tert-Butylbenzene	11.77	119	450477	50.128	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	449432	49.962	ug/l	99
85) sec-Butylbenzene	11.94	105	527759	50.018	ug/l	99
86) p-Isopropyltoluene	12.06	119	487345	49.935	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	258280	48.790	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	261527	48.527	ug/l	99
89) n-Butylbenzene	12.38	91	409915	49.427	ug/l	100
90) Hexachloroethane	12.59	117	81872	48.515	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	257888	49.016	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36738	47.374	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	179000	49.060	ug/l	99

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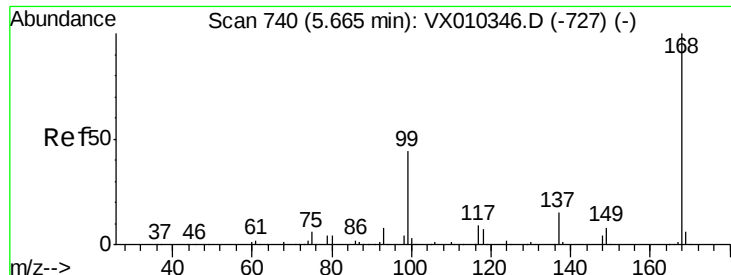
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	81608	45.765	ug/l	98
95) Naphthalene	13.83	128	559704	49.918	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	179677	49.530	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampled :

PK-10IMSD

Tot Ion:168 Resp: 227656

Ion Ratio Lower Upper

168 100

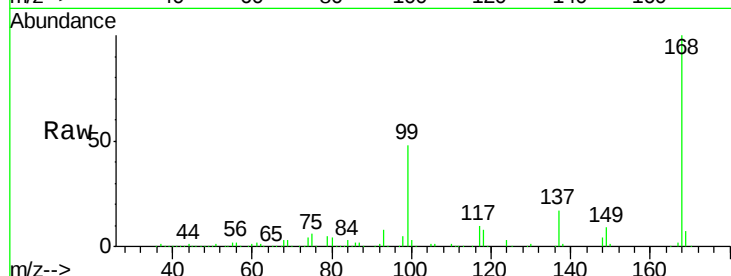
99 47.3 35.5 53.3

Manual Integrations

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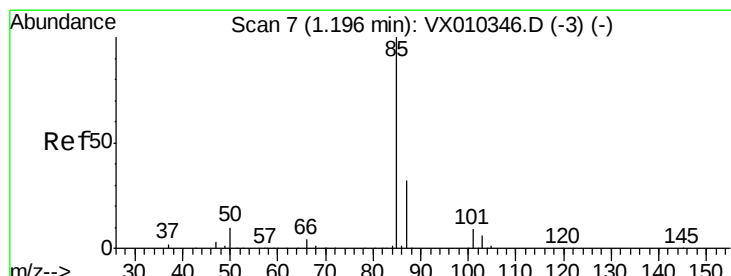
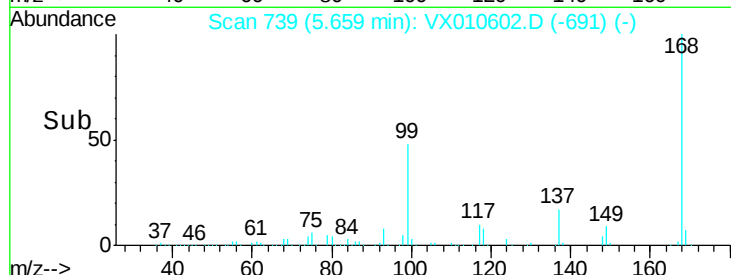
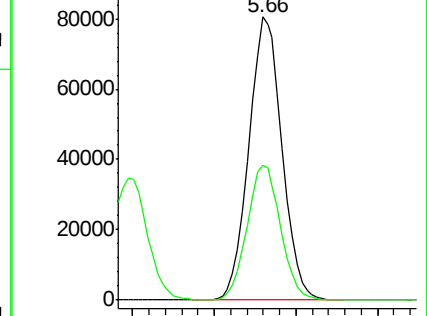
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.100 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010602.D

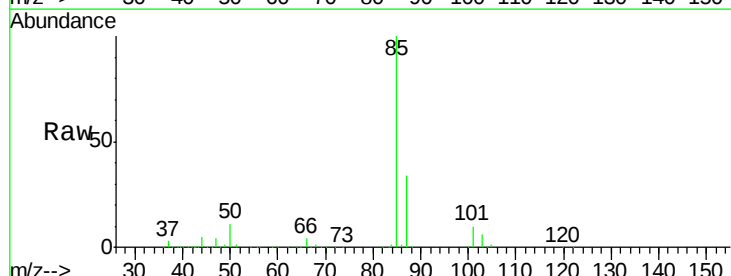
Acq: 01 Jul 2019 19:38

Tgt Ion: 85 Resp: 68216

Ion Ratio Lower Upper

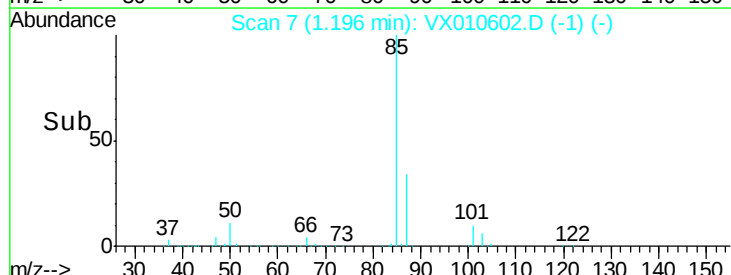
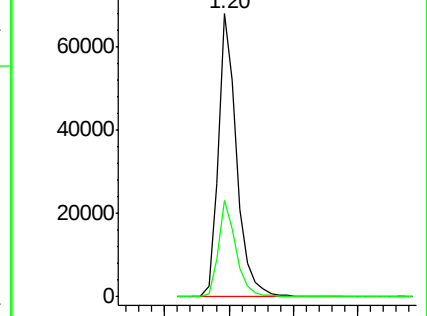
85 100

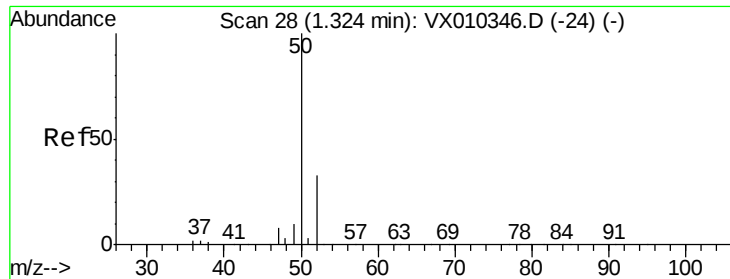
87 34.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.650 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampleId :

PK-10IMSD

Tot Ion: 50 Resp: 80447

Ion Ratio Lower Upper

50 100

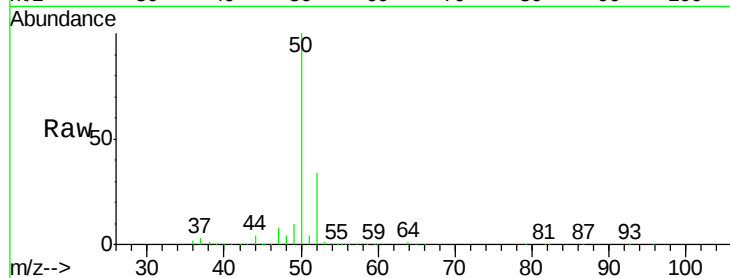
52 34.4 26.5 39.7

Manual Integrations

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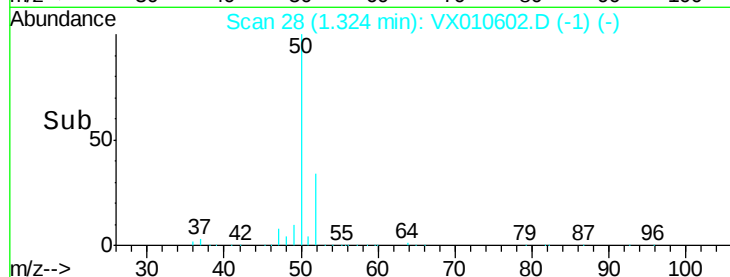
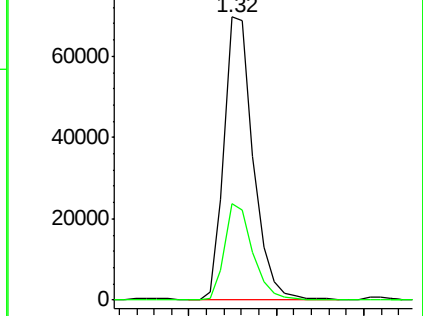
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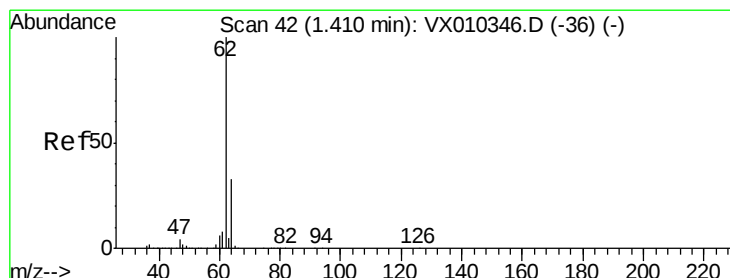


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 45.097 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010602.D

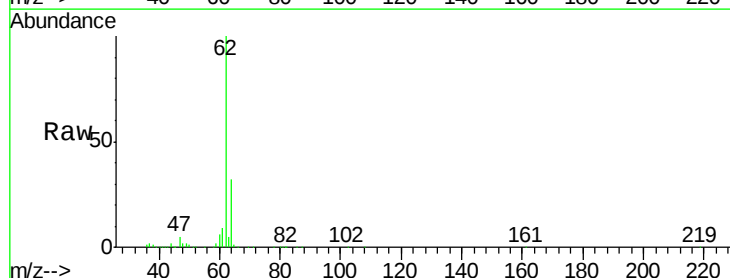
Acq: 01 Jul 2019 19:38

Tgt Ion: 62 Resp: 91034

Ion Ratio Lower Upper

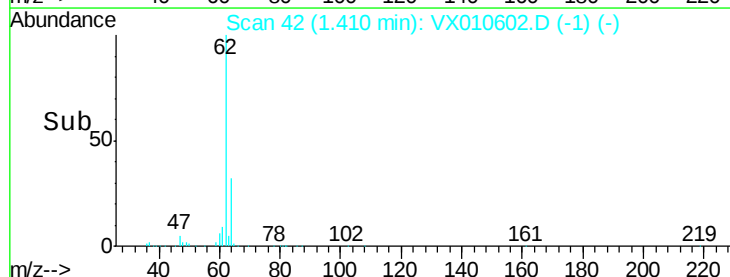
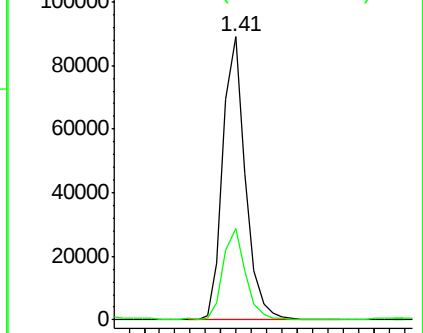
62 100

64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 45.894 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampleId :

PK-10IMSD

Tot Ion: 94 Resp: 45134

Ion Ratio Lower Upper

94 100

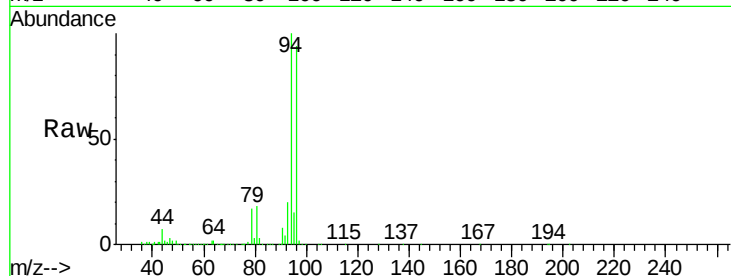
96 93.6 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

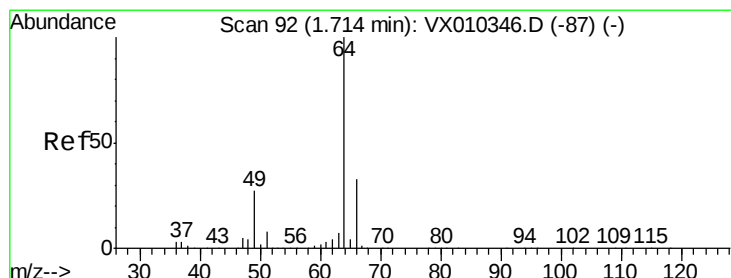
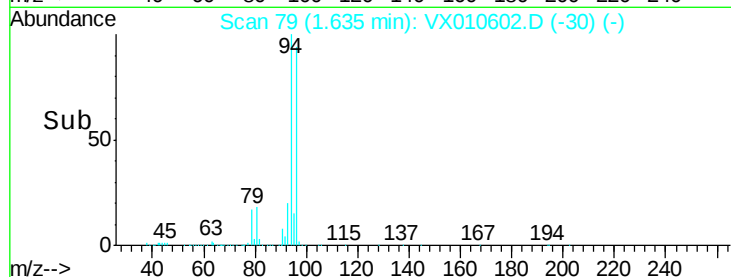
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 49.512 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010602.D

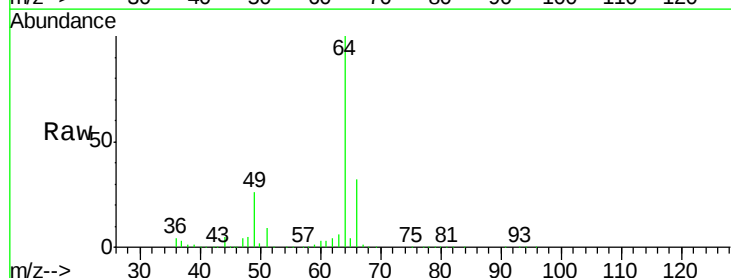
Acq: 01 Jul 2019 19:38

Tgt Ion: 64 Resp: 58966

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

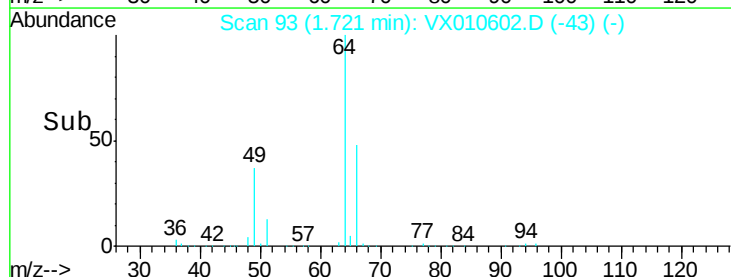
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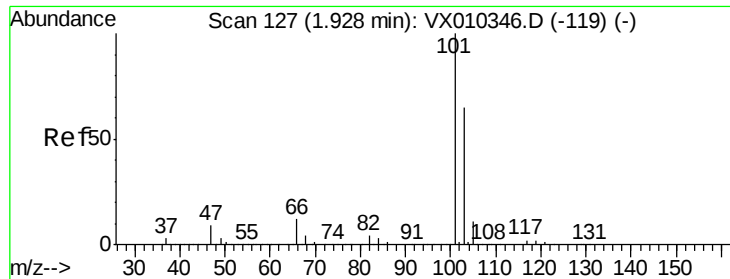
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Time--> 1.65 1.70 1.75 1.80 1.85





#7

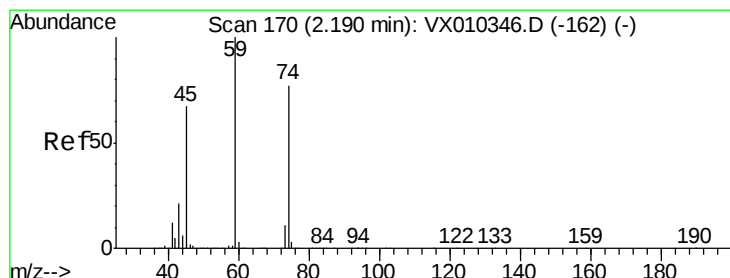
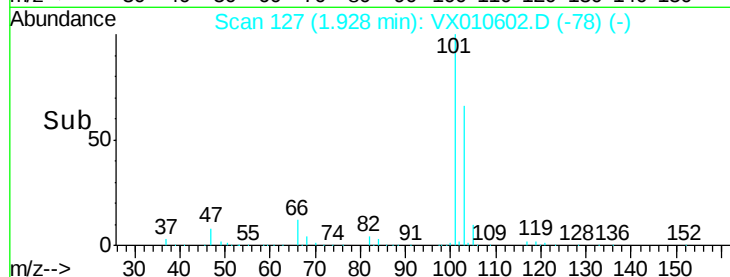
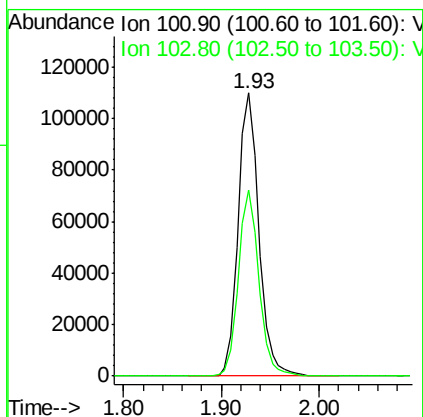
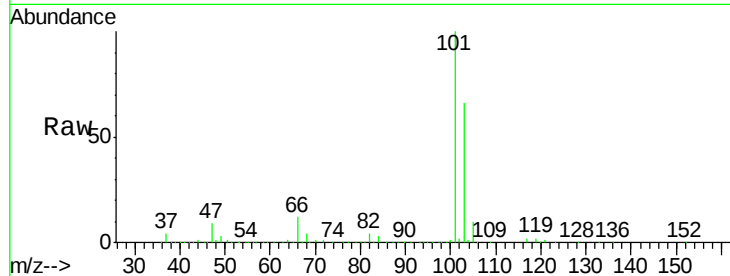
Trichlorofluoromethane
Concen: 50.692 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.3	78.5

Manual Integrations
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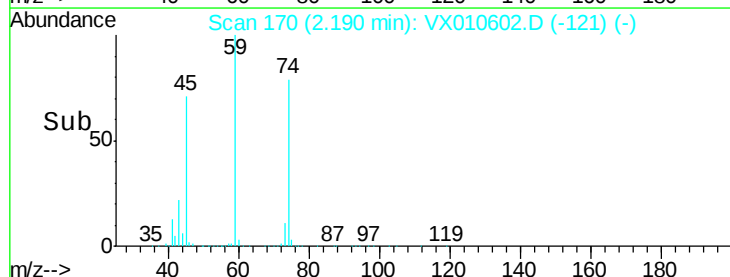
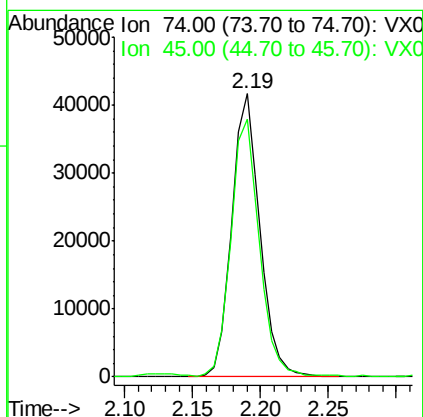
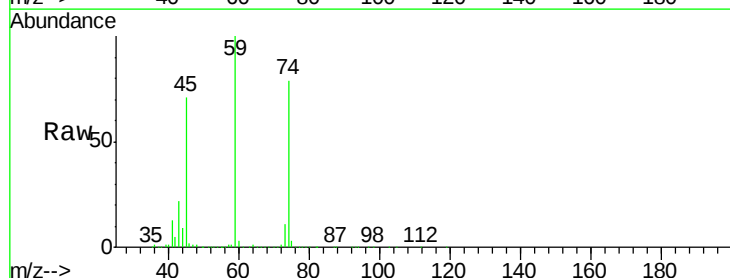
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7/2/2019 9:55:32 AM



#8

Diethyl Ether
Concen: 52.433 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.997 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

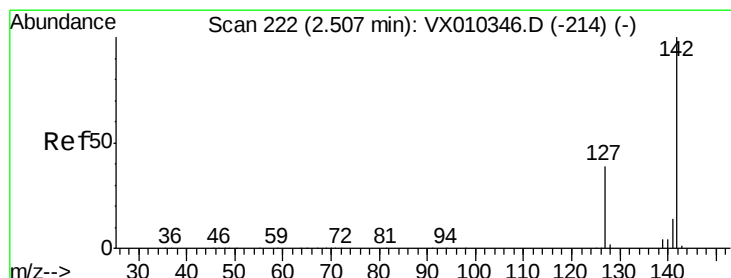
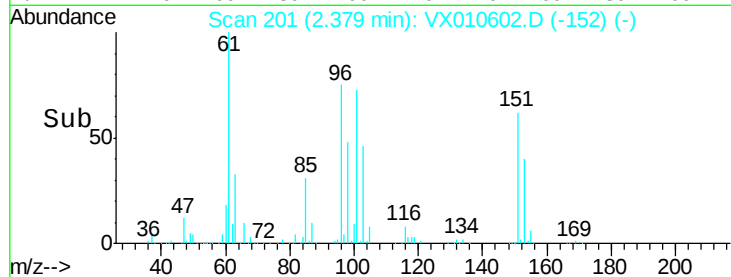
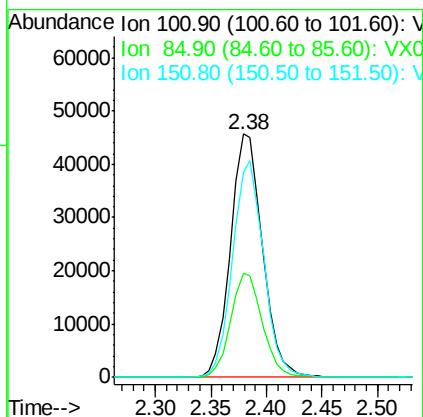
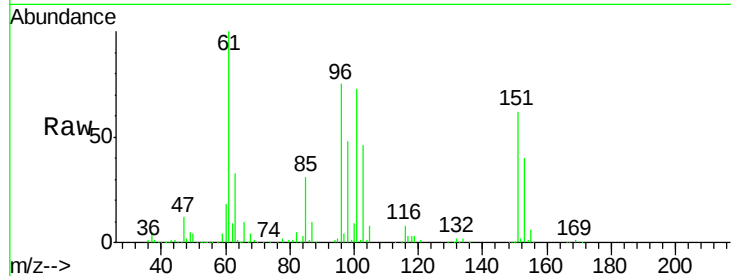
ClientSampleId :

PK-10IMSD

Tot Ion:	101	Resp:	91137
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.7	50.5
151	86.8	70.1	105.1

Manual Integrations
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7/2/2019 9:55:32 AM



#10

Methyl Iodide

Concen: 45.662 ug/l

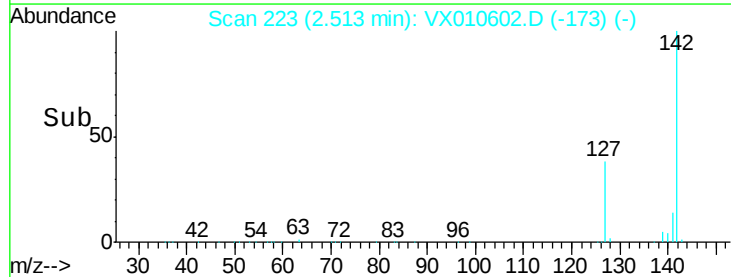
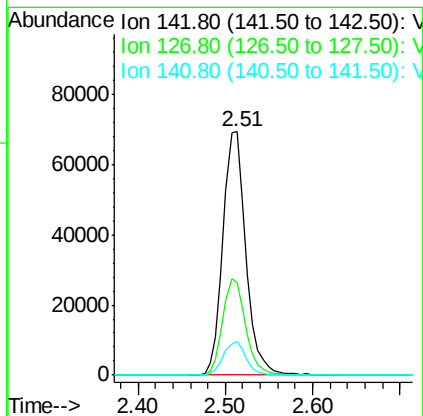
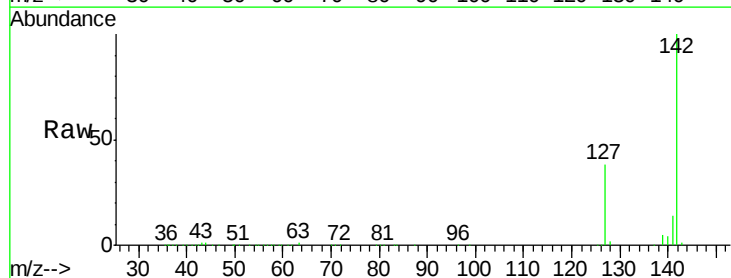
RT: 2.51 min Scan# 223

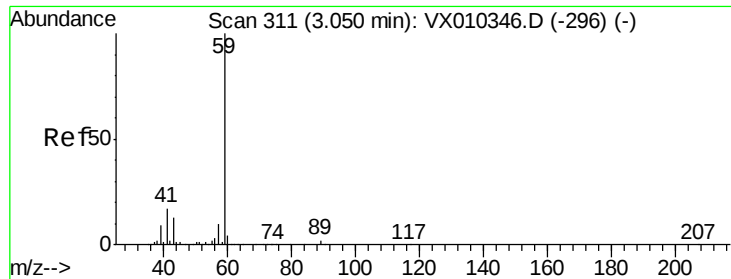
Delta R.T. 0.01 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Tgt Ion:	142	Resp:	126372
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.1	46.7
141	13.7	11.2	16.8





#11

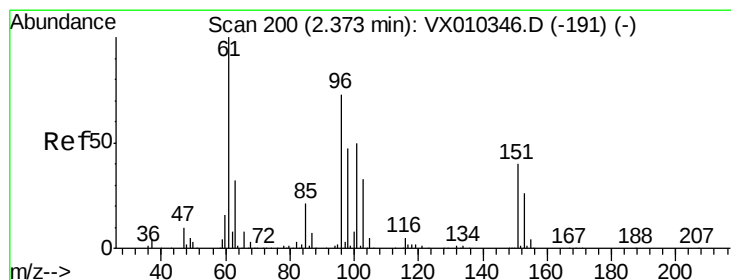
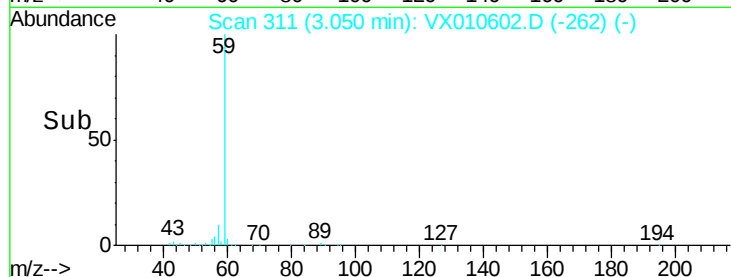
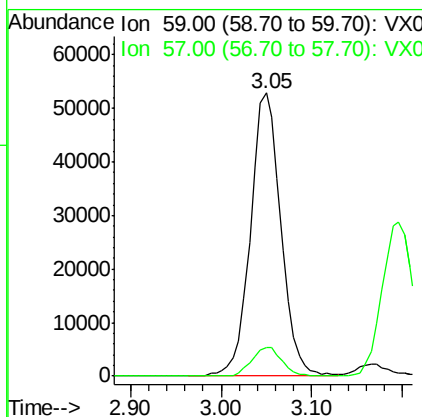
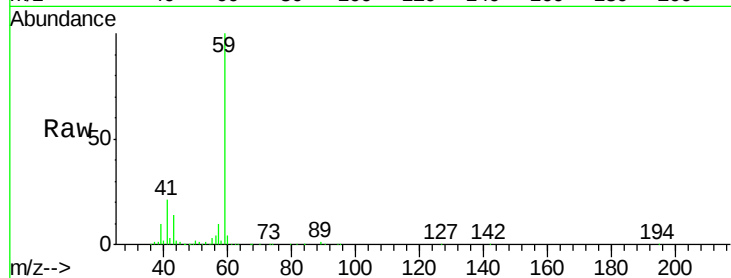
Tert butyl alcohol
Concen: 219.838 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion: 59 Resp: 122786
Ion Ratio Lower Upper
59 100
57 10.2 7.7 11.5

Manual Integrations
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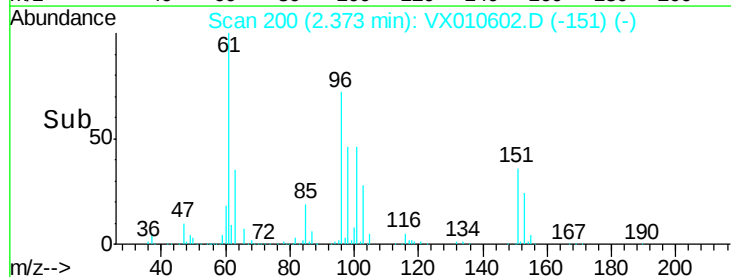
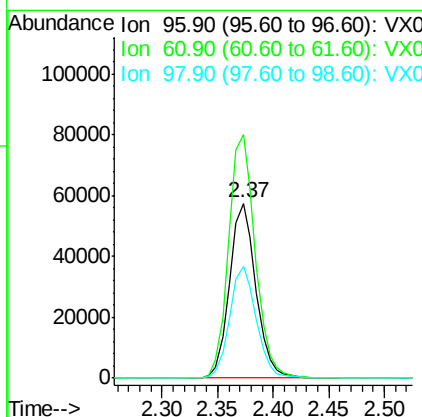
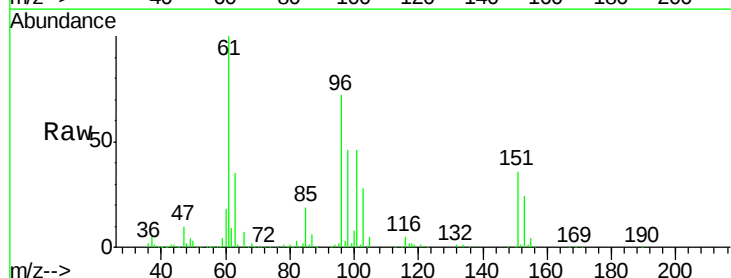
MMDadoda
7/2/2019 9:55:32 AM

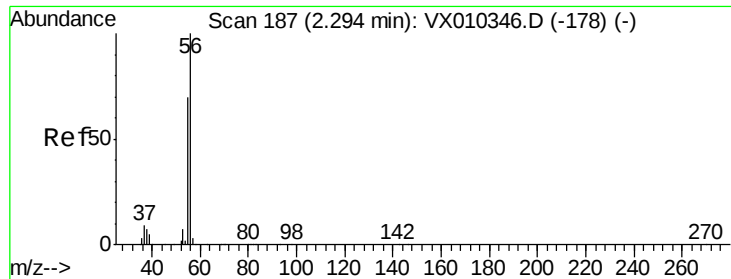


#12

1,1-Dichloroethene
Concen: 47.714 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion: 96 Resp: 94152
Ion Ratio Lower Upper
96 100
61 139.3 109.2 163.8
98 64.1 51.1 76.7





#13

Acrolein

Concen: 270.354 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampleId :

PK-10IMSD

Tot Ion: 56 Resp: 100170

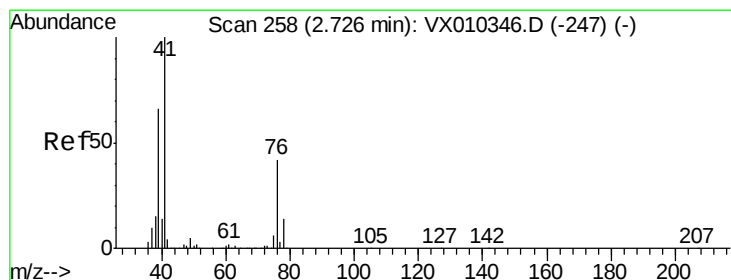
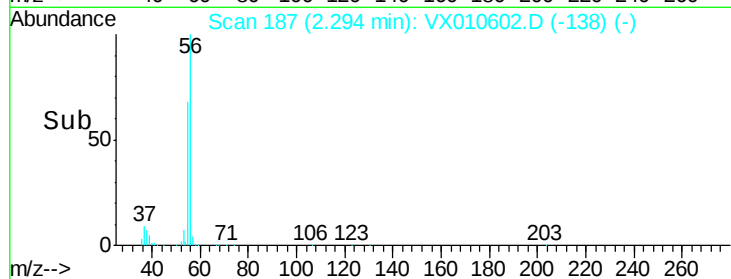
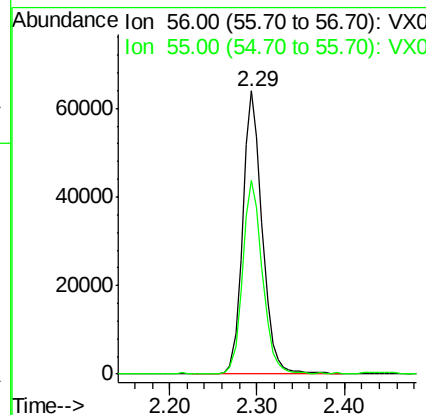
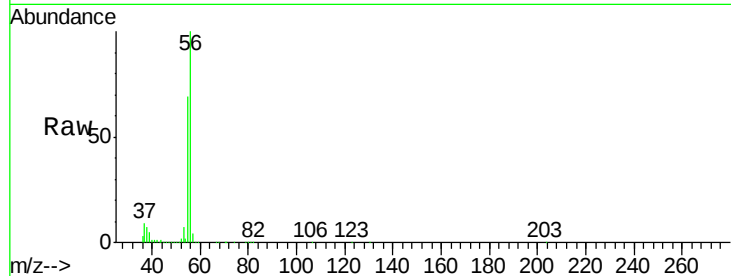
Ion Ratio Lower Upper

56 100

55 69.3 56.9 85.3

Manual Integrations
APPROVED

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7/2/2019 9:55:32 AM



#14

Allyl chloride

Concen: 49.508 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

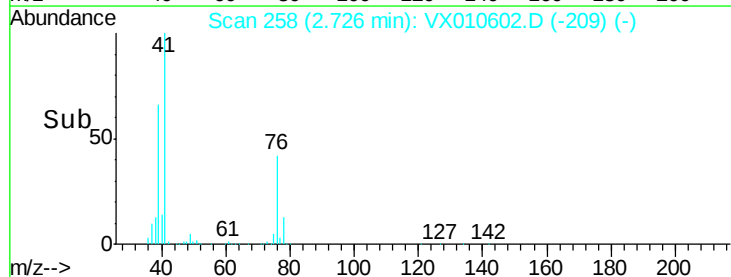
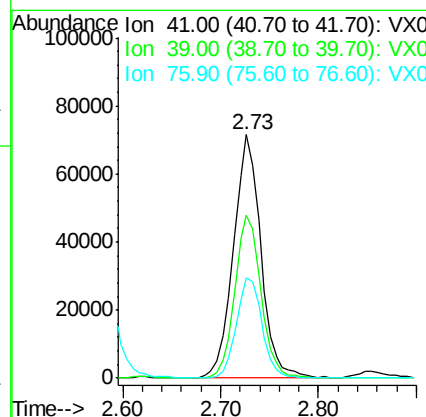
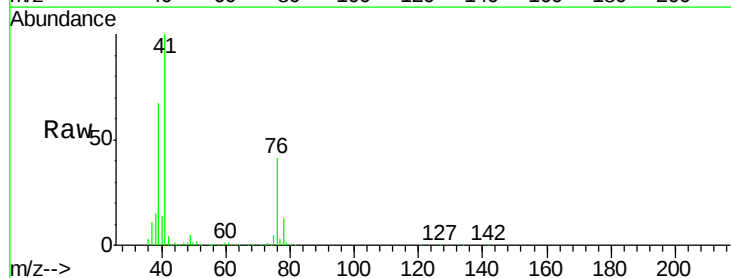
Tgt Ion: 41 Resp: 138697

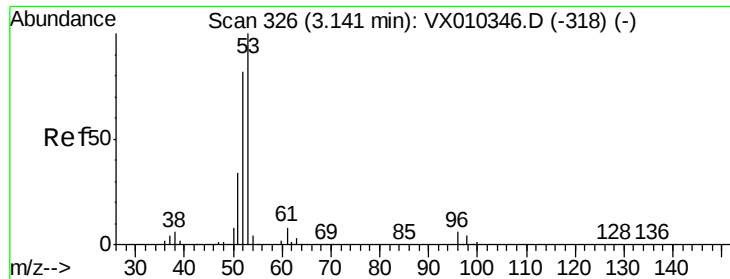
Ion Ratio Lower Upper

41 100

39 63.6 50.3 75.5

76 38.0 31.3 46.9





#15

Acrylonitrile

Concen: 261.698 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

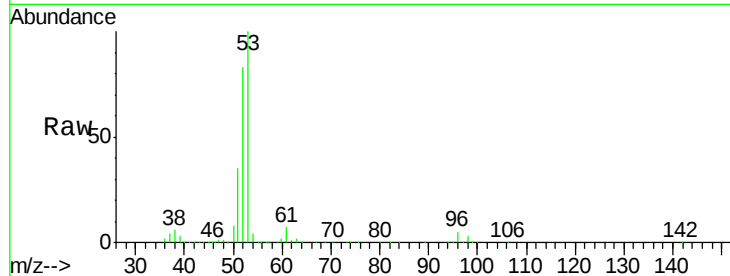
ClientSampleId :

PK-10IMSD

Tot Ion:	53	Resp:	289392
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.5	98.3
51	34.6	28.2	42.4

Manual Integrations
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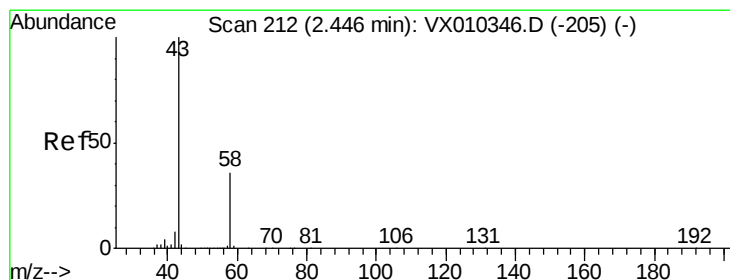
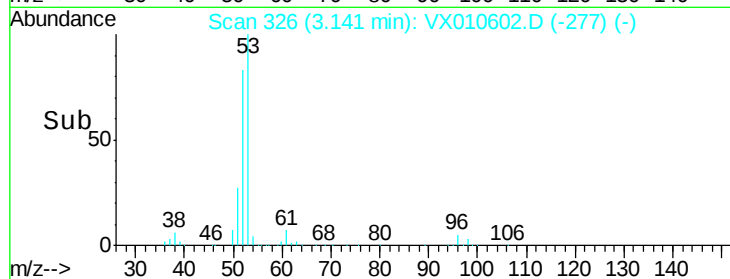
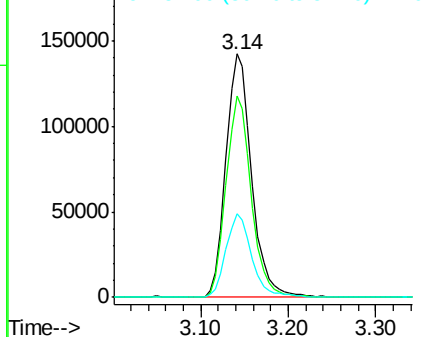
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Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 212.676 ug/l

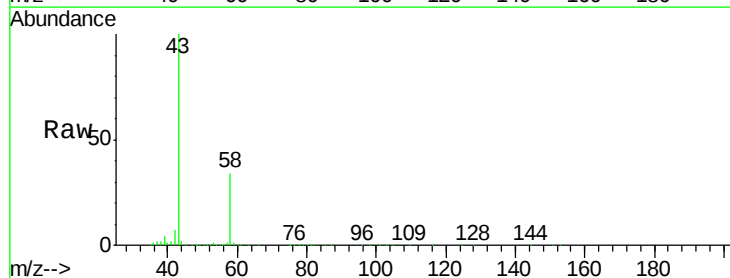
RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010602.D

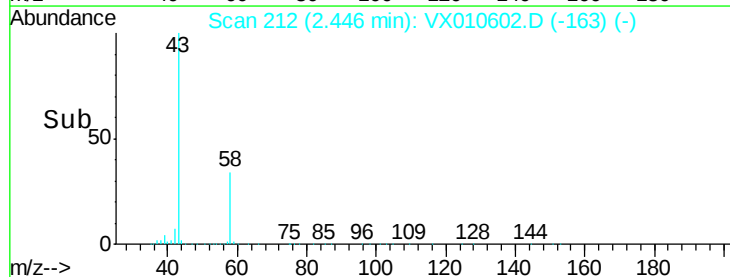
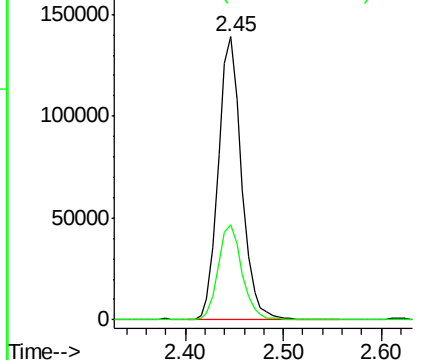
Acq: 01 Jul 2019 19:38

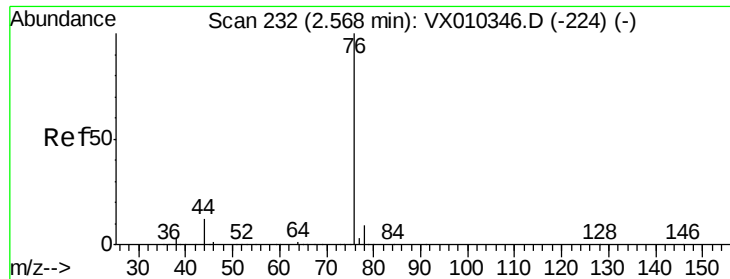
Tgt Ion:	43	Resp:	227509
Ion Ratio		Lower	Upper
43	100		
58	33.8	28.9	43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





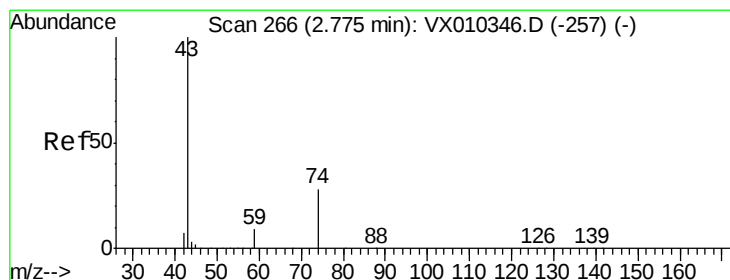
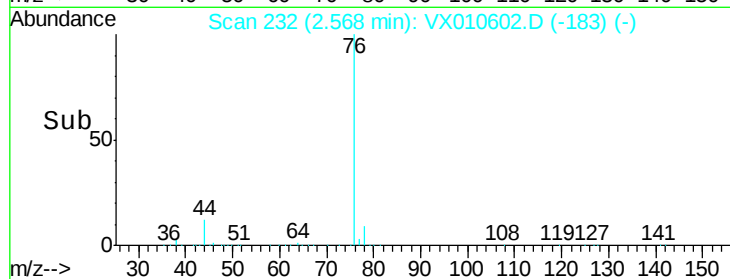
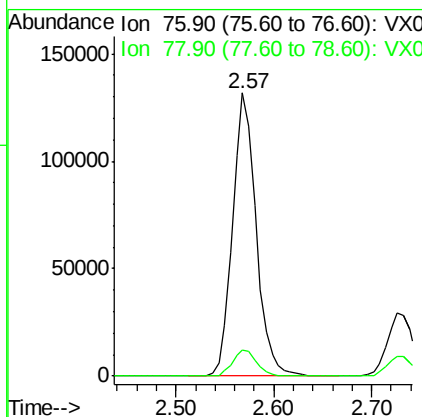
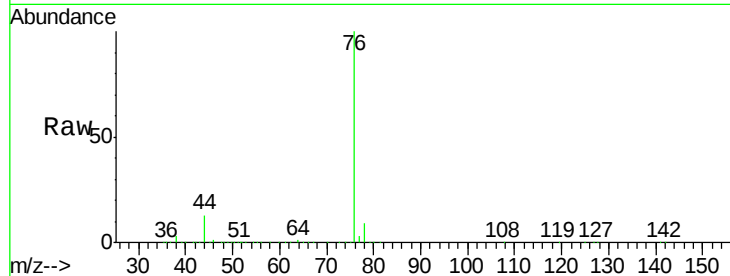
#17
Carbon Disulfide
Concen: 41.621 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

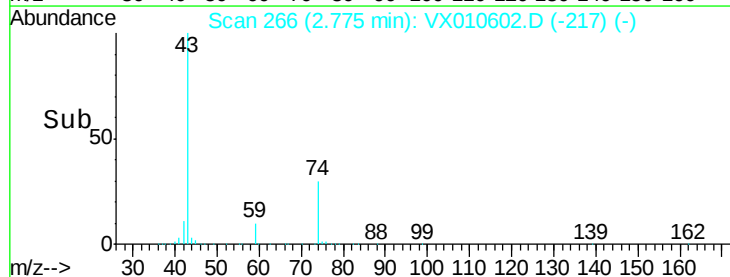
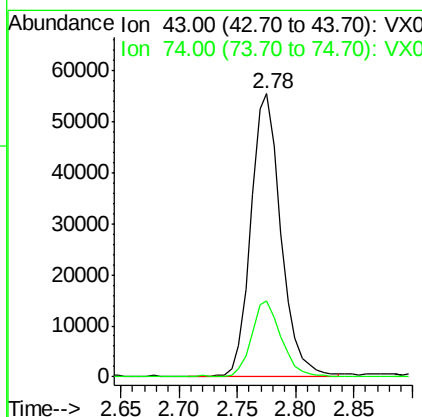
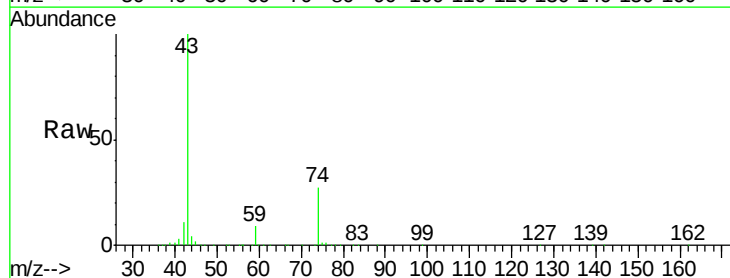
Manual Integrations
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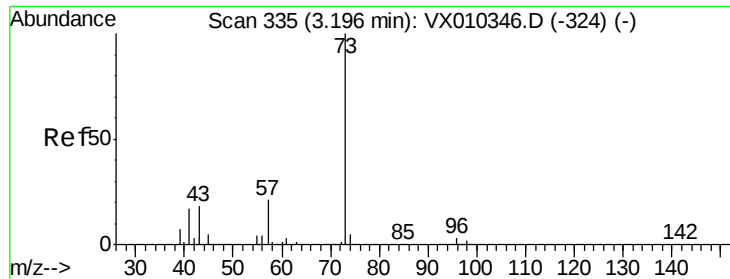
MMDadoda
7/2/2019 9:55:32 AM



#18
Methyl Acetate
Concen: 46.689 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	21.3	31.9





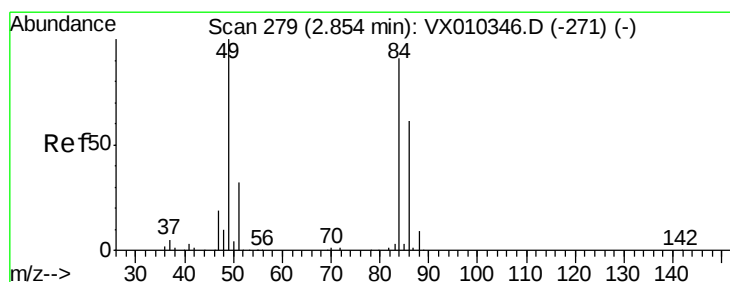
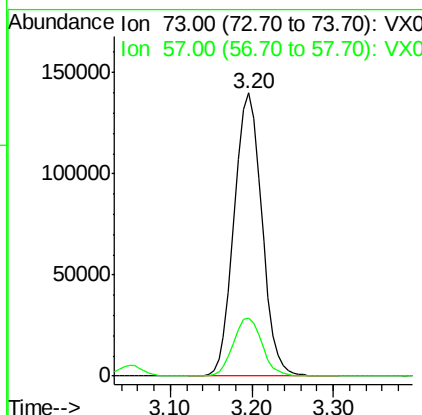
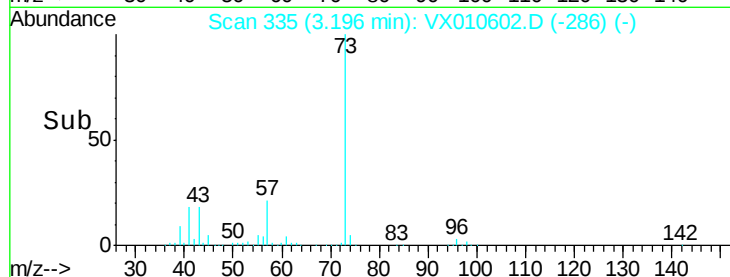
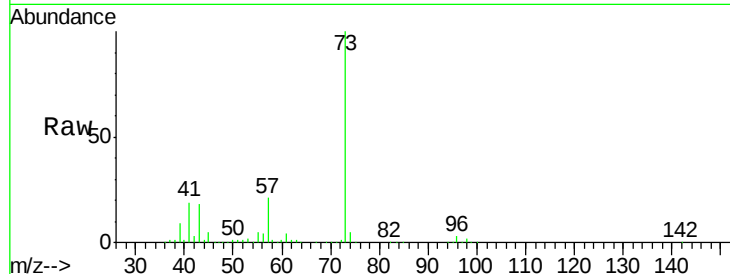
#19
Methyl tert-butyl Ether
Concen: 52.975 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion: 73 Resp: 328854
Ion Ratio Lower Upper
73 100
57 20.6 16.4 24.6

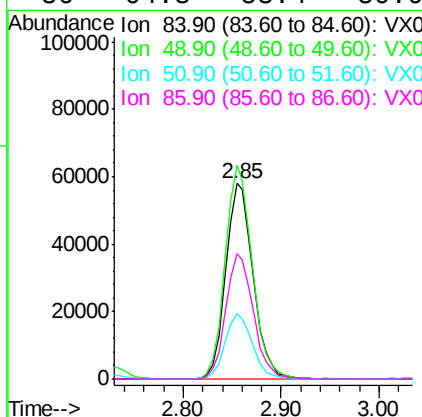
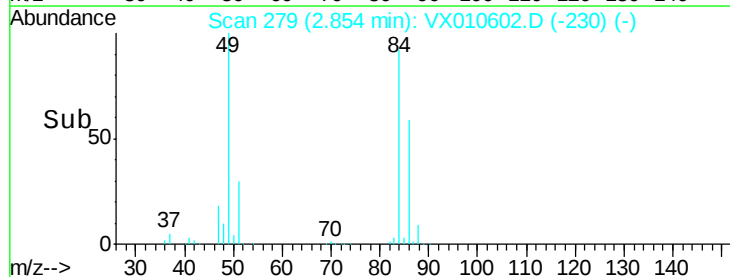
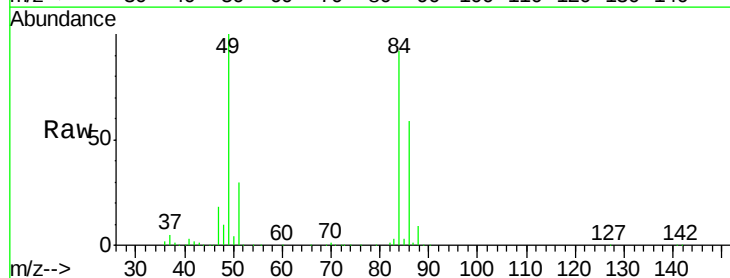
Manual Integrations
APPROVED

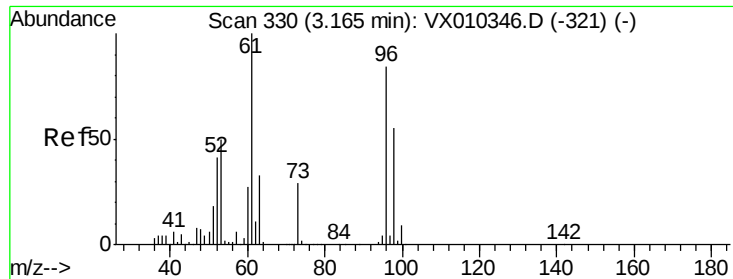
MMDadoda
7/2/2019 9:55:32 AM



#20
Methylene Chloride
Concen: 51.056 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion: 84 Resp: 112398
Ion Ratio Lower Upper
84 100
49 109.1 87.5 131.3
51 33.0 27.7 41.5
86 64.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 48.034 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

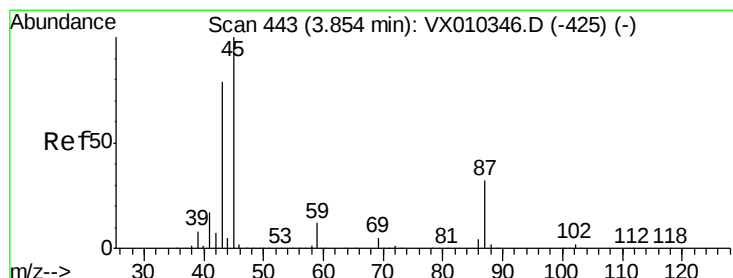
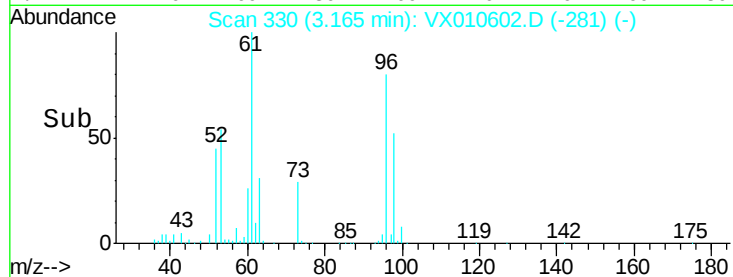
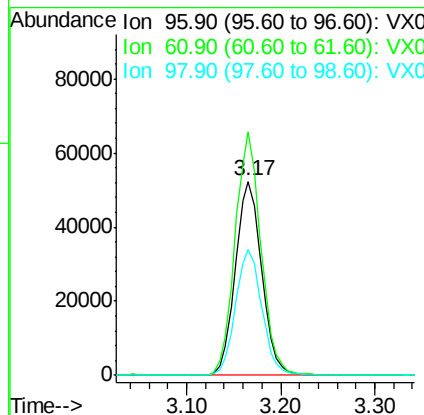
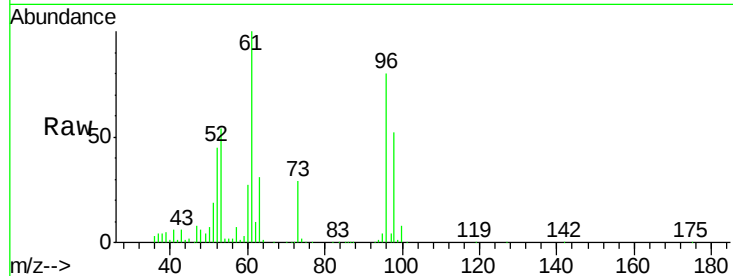
ClientSampleId :

PK-10IMSD

Tot Ion:	96	Resp:	101941
Ion	Ratio	Lower	Upper
96	100		
61	125.5	95.6	143.4
98	64.9	52.5	78.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.504 ug/l

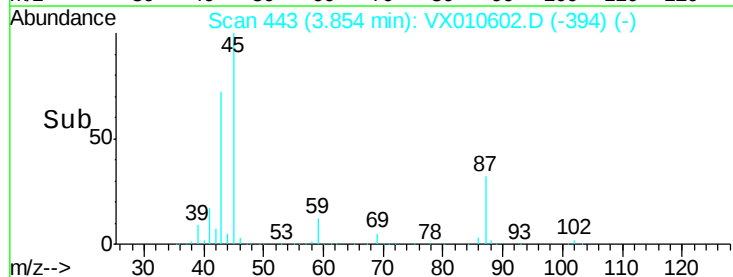
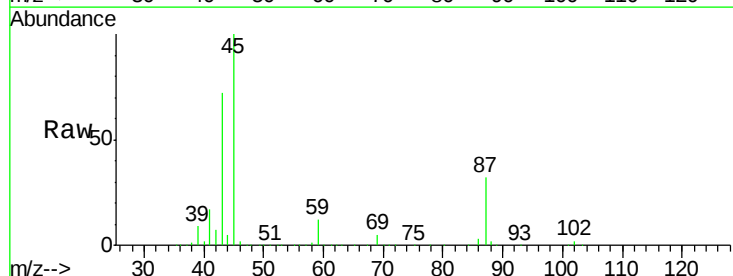
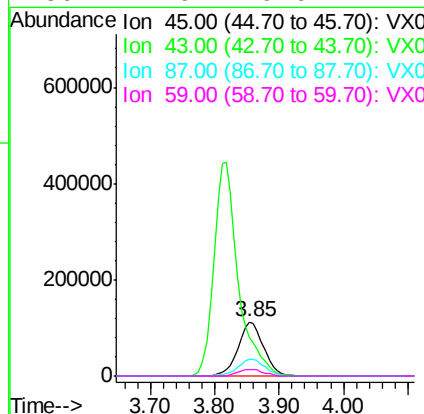
RT: 3.85 min Scan# 443

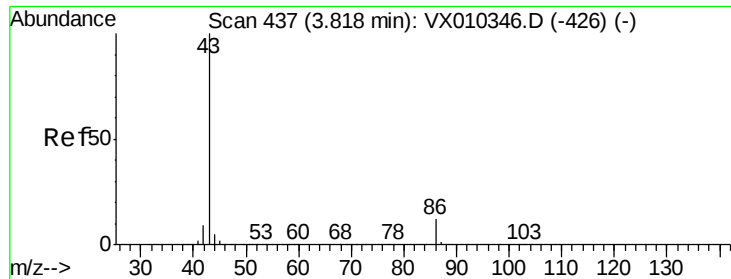
Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Tgt Ion:	45	Resp:	307531
Ion	Ratio	Lower	Upper
45	100		
43	71.7	63.3	94.9
87	31.9	25.8	38.8
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 232.959 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampled :

PK-10IMSD

Tot Ion: 43 Resp: 1178780

Ion Ratio Lower Upper

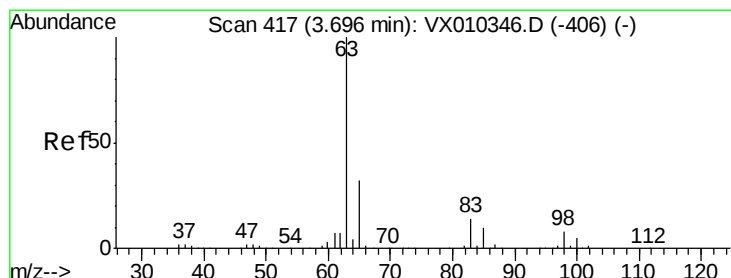
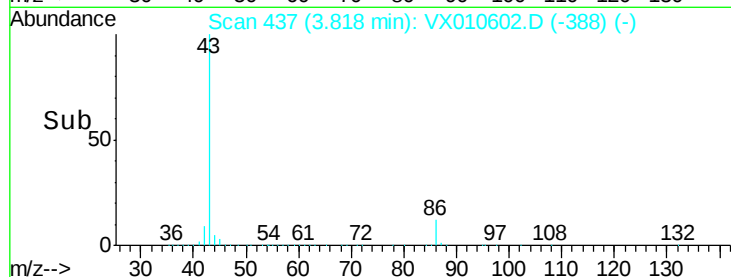
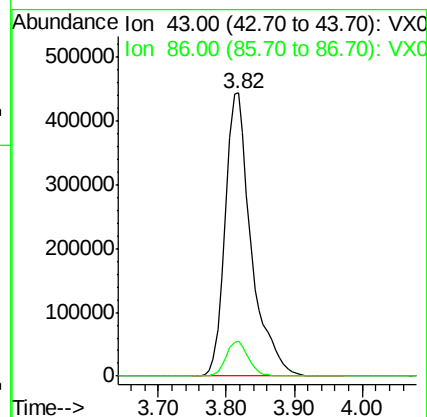
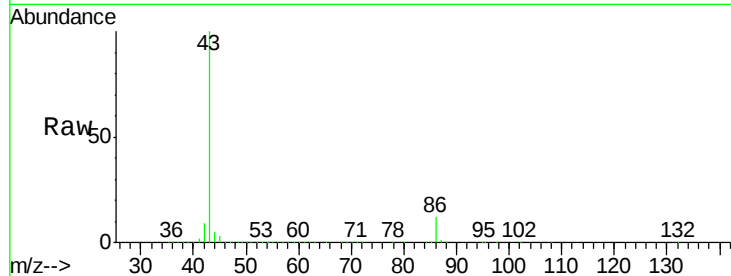
43 100

86 12.2 9.9 14.9

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 52.167 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

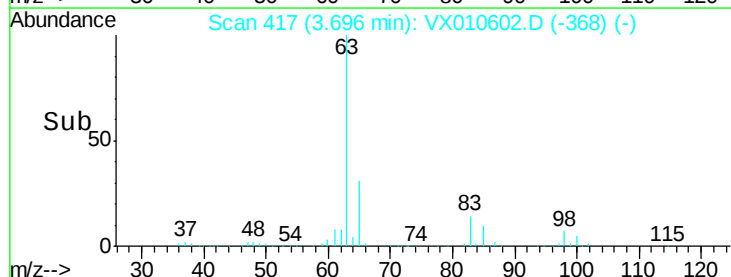
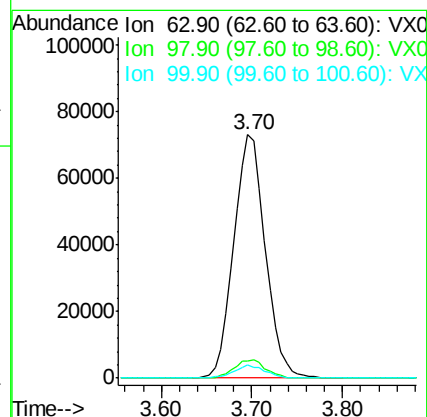
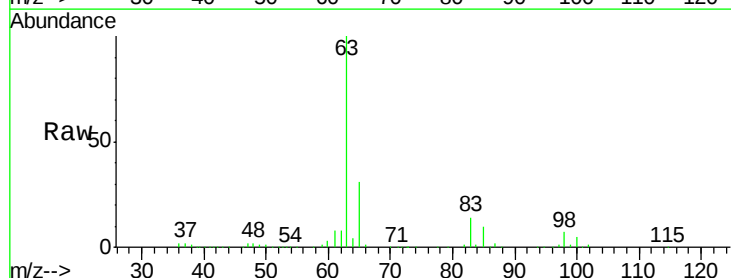
Tgt Ion: 63 Resp: 176623

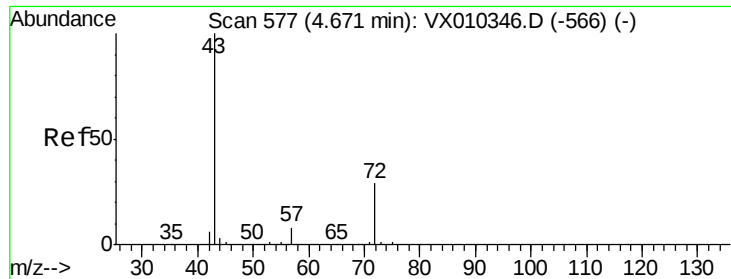
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

100 5.3 2.4 7.1





#25

2-Butanone

Concen: 245.714 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampleId :

PK-10IMSD

Tot Ion: 43 Resp: 385571

Ion Ratio Lower Upper

43 100

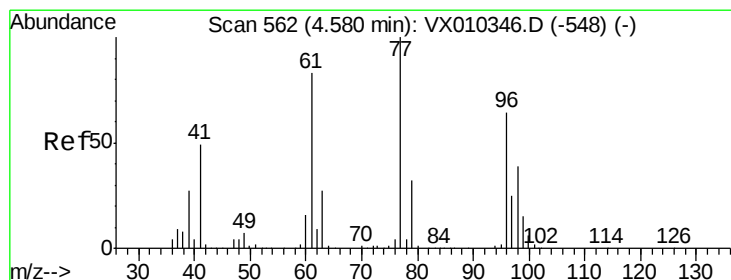
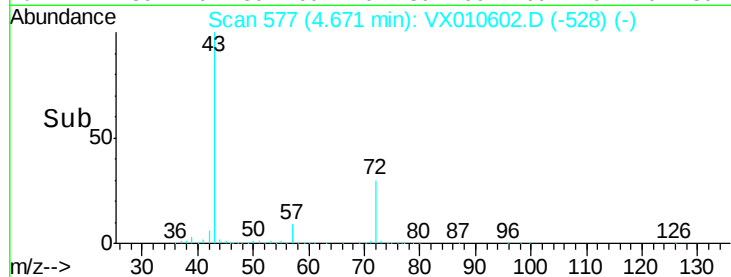
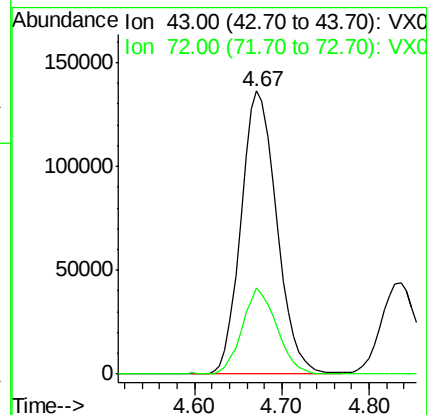
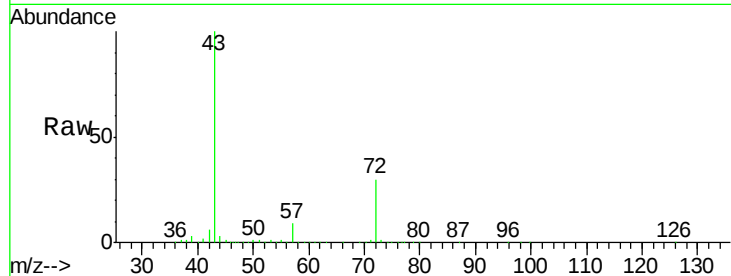
72 30.3 23.3 34.9

Manual Integrations

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MMDadoda

7/2/2019 9:55:32 AM



#26

2,2-Dichloropropane

Concen: 39.591 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010602.D

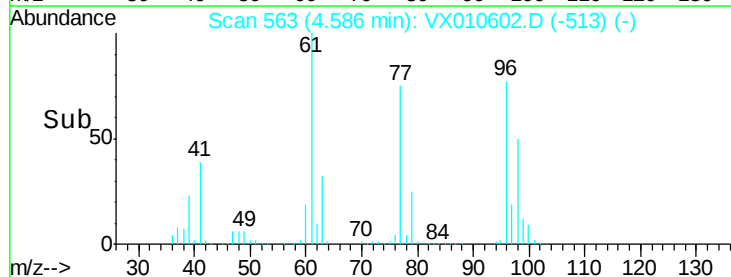
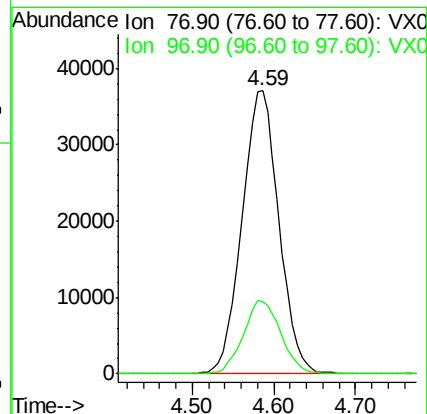
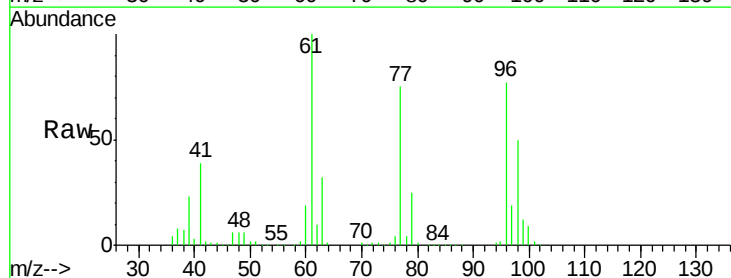
Acq: 01 Jul 2019 19:38

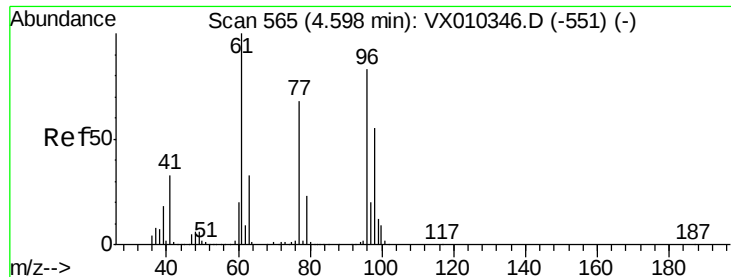
Tgt Ion: 77 Resp: 116443

Ion Ratio Lower Upper

77 100

97 26.3 13.1 39.3





#27

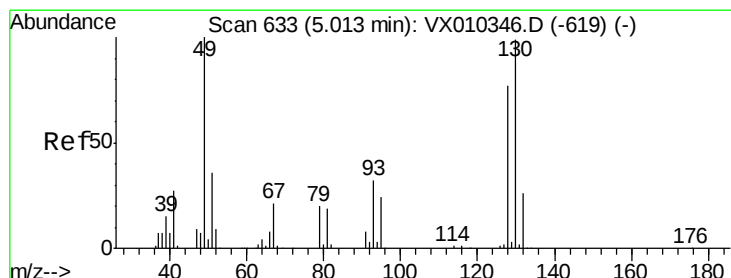
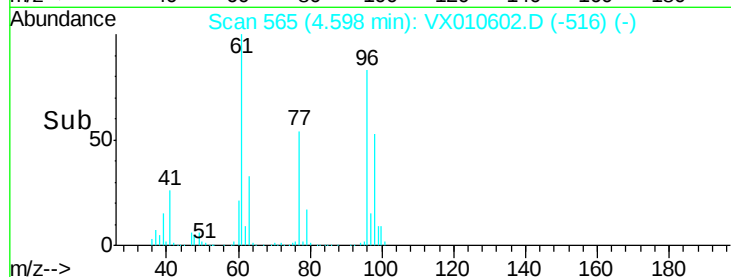
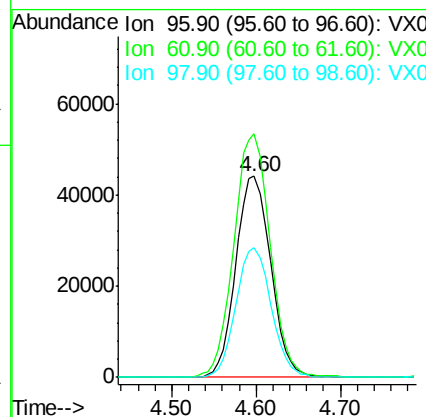
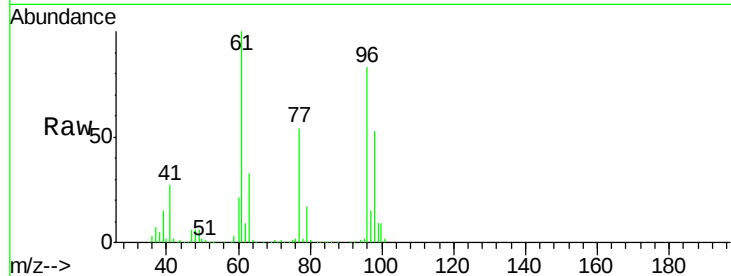
cis-1,2-Dichloroethene
 Concen: 50.747 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124456		
61	125.9	0.0	251.8	
98	64.9	0.0	129.4	

Manual Integrations
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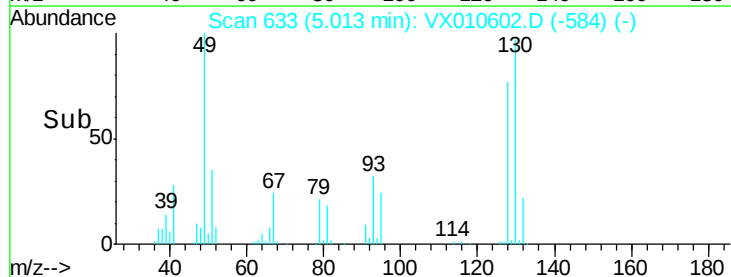
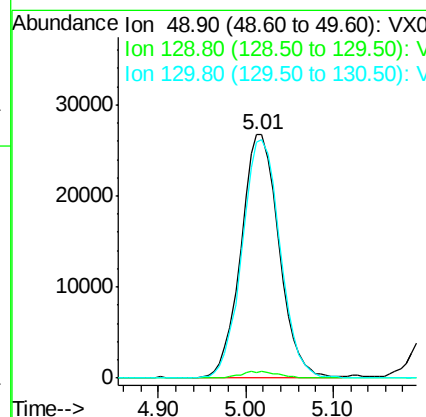
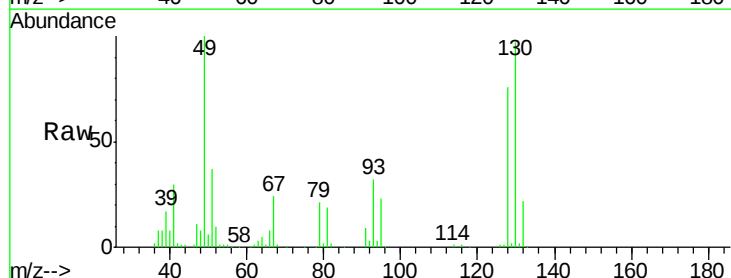
MMDadoda
 7/2/2019 9:55:32 AM

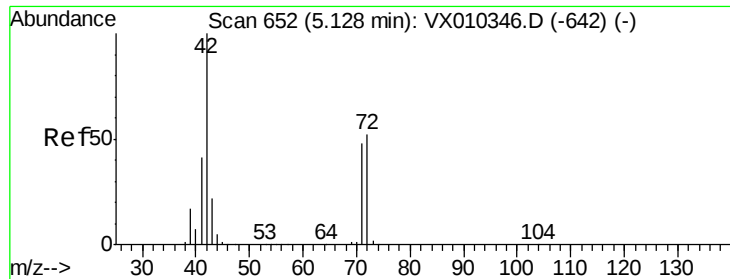


#28

Bromochloromethane
 Concen: 50.147 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81177		
129	2.8	0.0	5.6	
130	97.9	81.4	122.0	





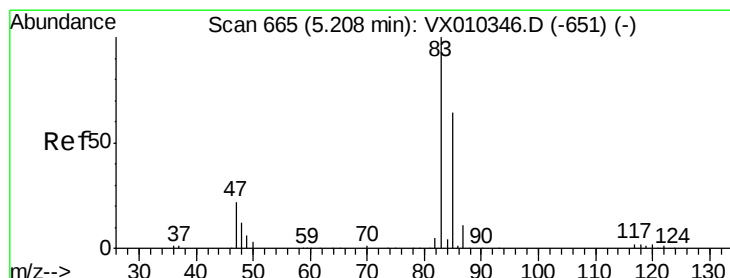
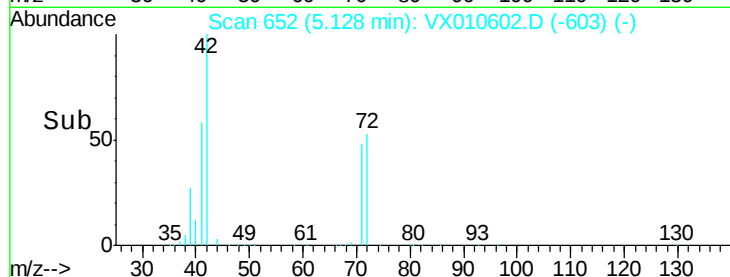
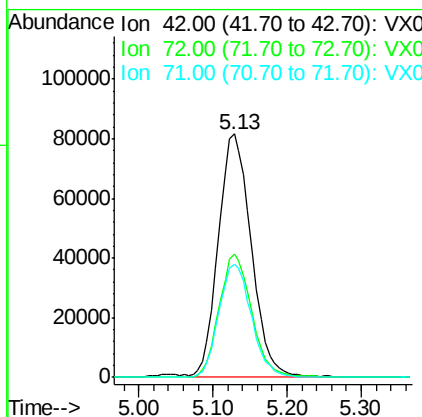
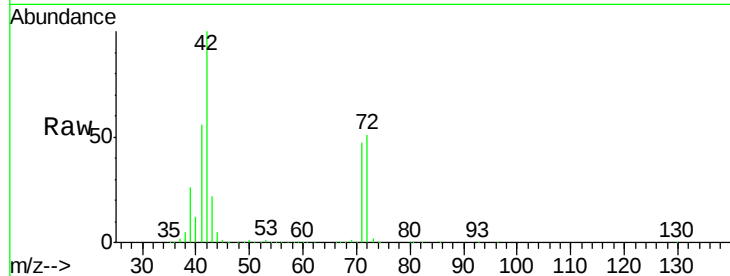
#29
Tetrahydrofuran
Concen: 256.984 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampled :
PK-10IMSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	40.6	60.8
71	46.6	37.8	56.8

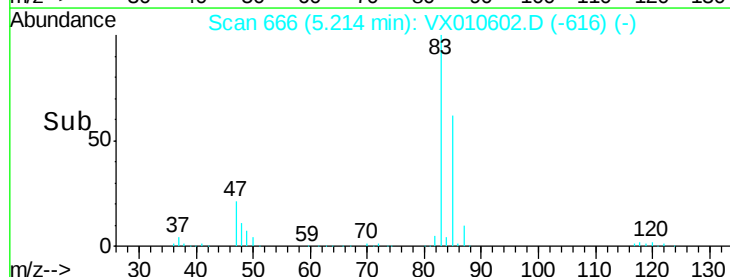
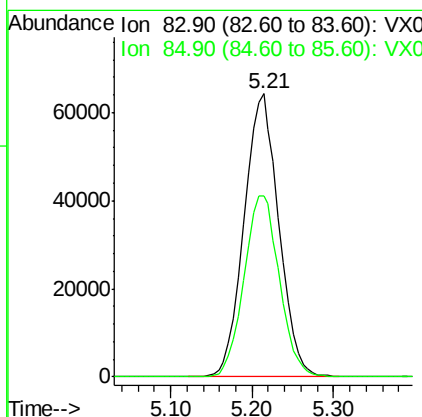
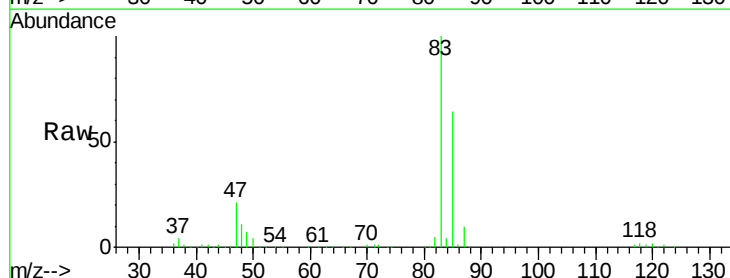
Manual Integrations
APPROVED

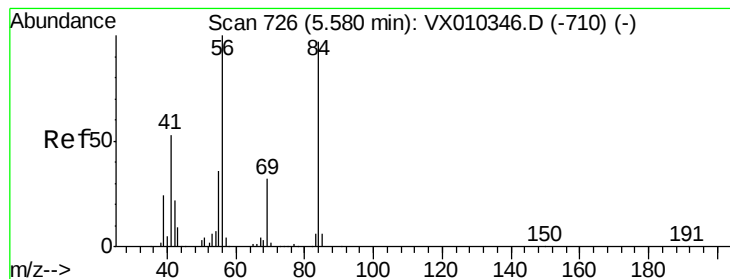
MMDadoda
7/2/2019 9:55:32 AM



#30
Chloroform
Concen: 52.281 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.9	76.3





#31

Cyclohexane

Concen: 46.717 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

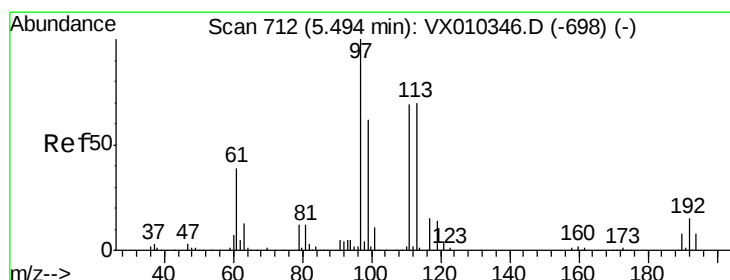
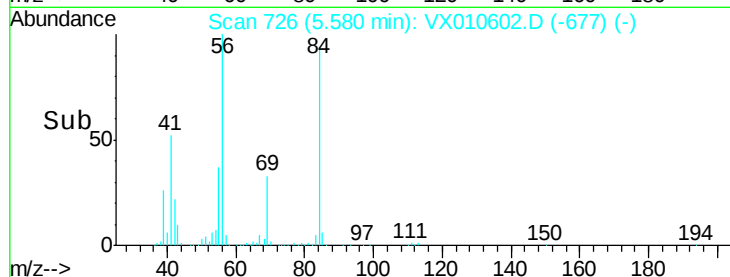
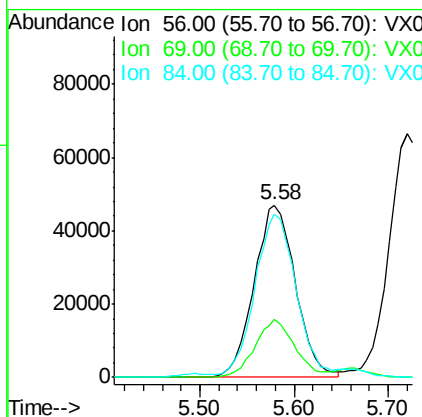
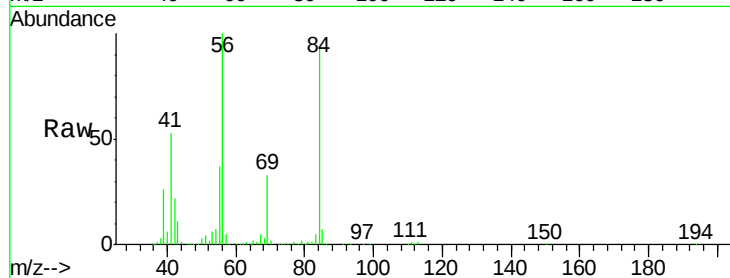
ClientSampled :

PK-10IMSD

Tot Ion:	56	Resp:	144035
Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.9	38.9
84	92.5	78.0	117.0

Manual Integrations
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7/2/2019 9:55:32 AM



#32

1,1,1-Trichloroethane

Concen: 51.376 ug/l

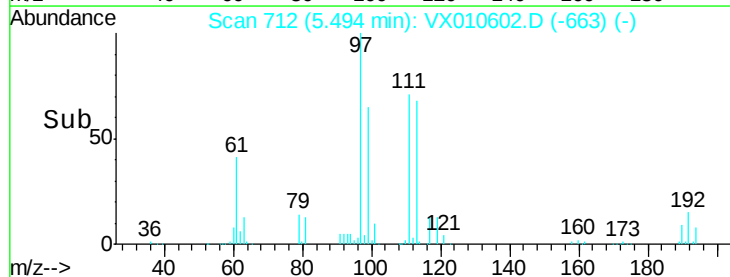
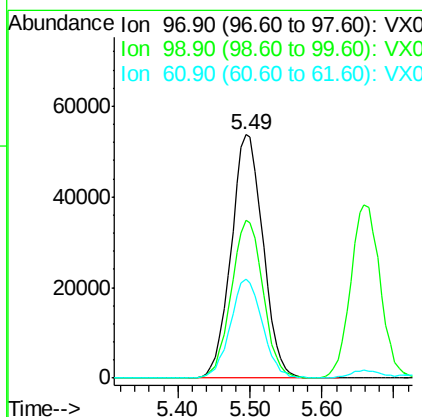
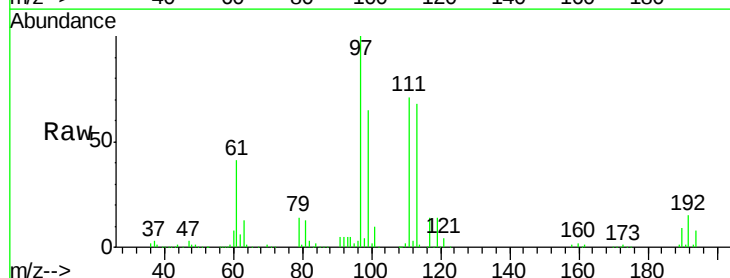
RT: 5.49 min Scan# 712

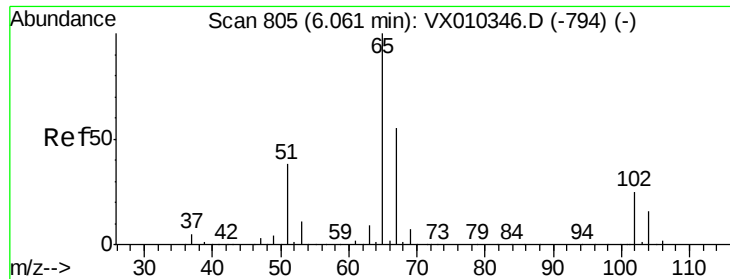
Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Tgt Ion:	97	Resp:	165256
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	40.8	32.1	48.1





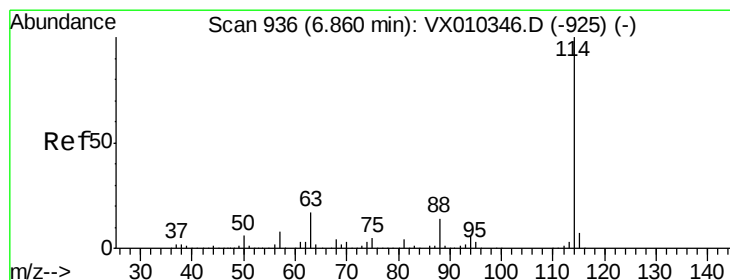
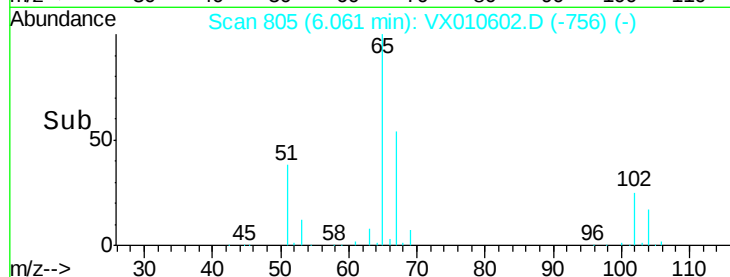
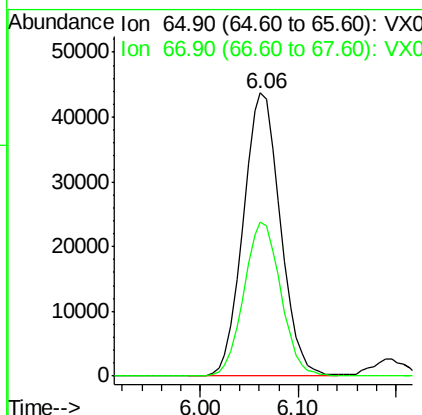
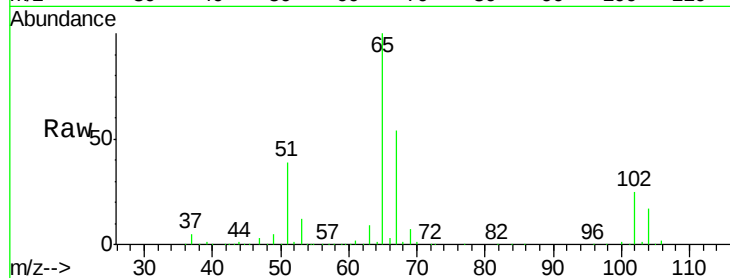
#33
 1,2-Dichloroethane-d4
 Concen: 53.926 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampleID :
 PK-10IMSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115105		
67	54.2	0.0	110.2	

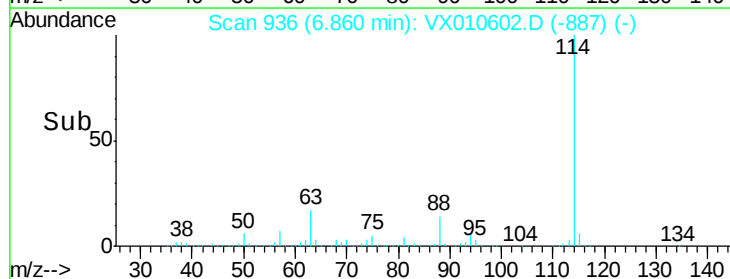
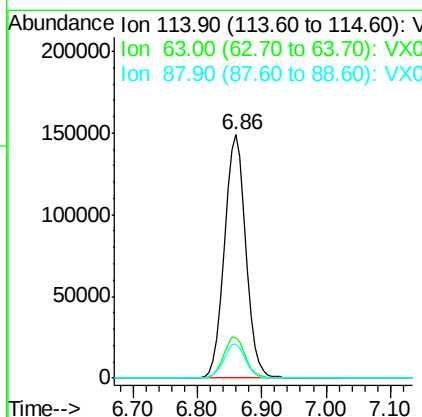
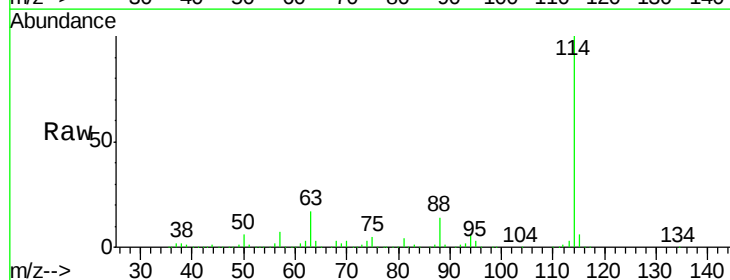
Manual Integrations
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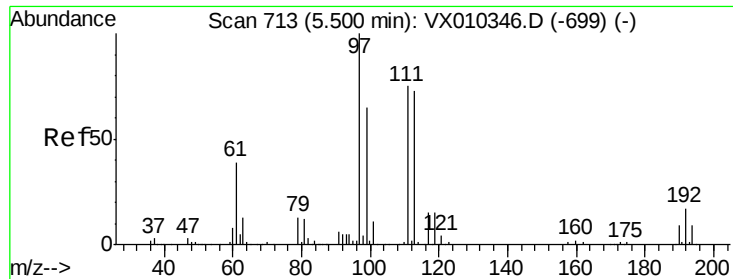
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 7/2/2019 9:55:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	349477		
63	16.6	0.0	33.8	
88	13.6	0.0	27.6	





#35

Dibromofluoromethane

Concen: 52.286 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

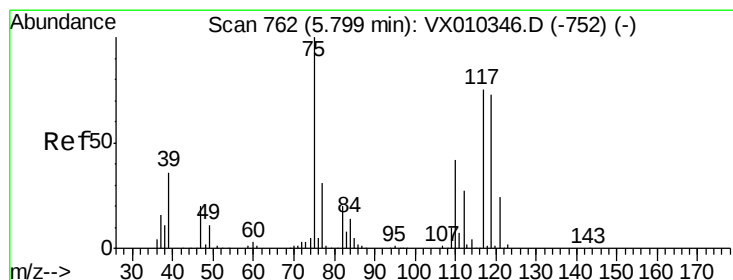
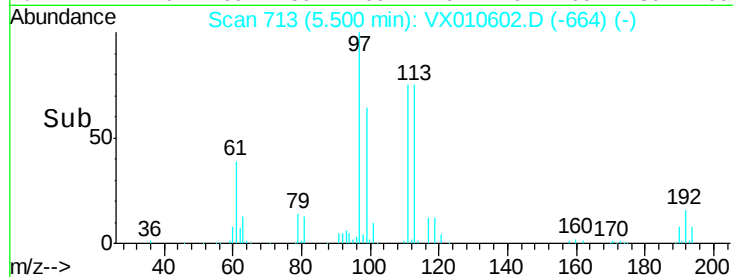
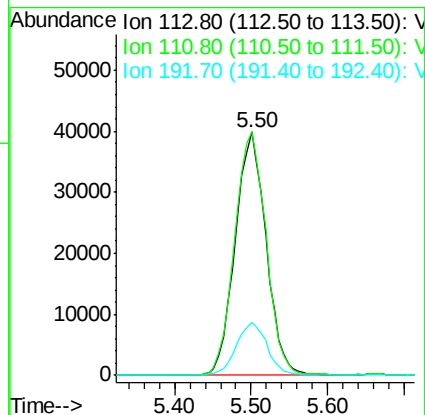
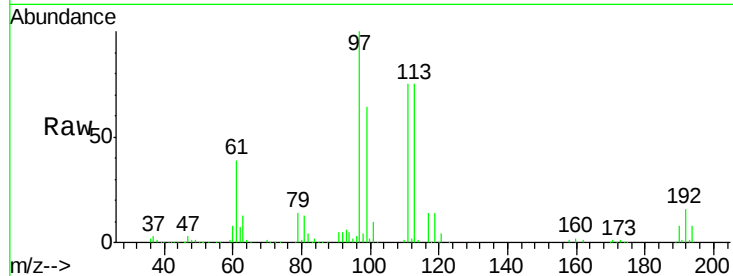
ClientSampled :

PK-10IMSD

Tot Ion:	113	Resp:	111800
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.2	121.8
192	21.8	18.6	27.8

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#36

1,1-Dichloropropene

Concen: 47.670 ug/l

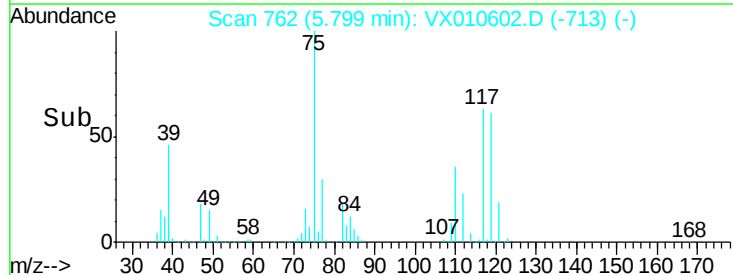
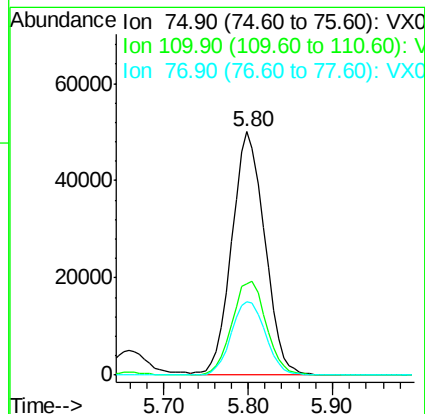
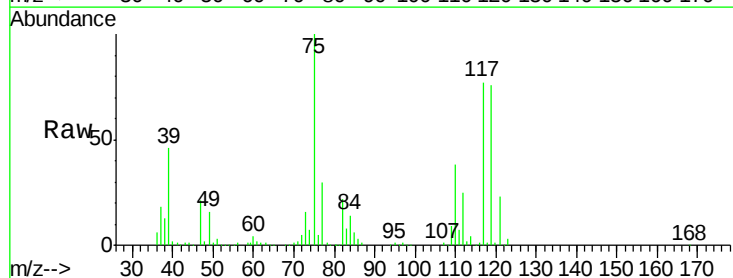
RT: 5.80 min Scan# 762

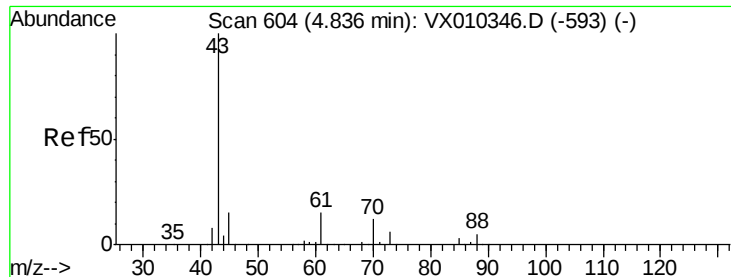
Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Tgt Ion:	75	Resp:	132387
Ion	Ratio	Lower	Upper
75	100		
110	40.5	20.8	62.2
77	31.0	25.4	38.0





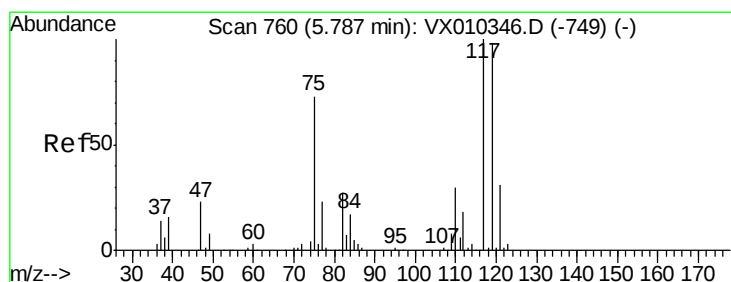
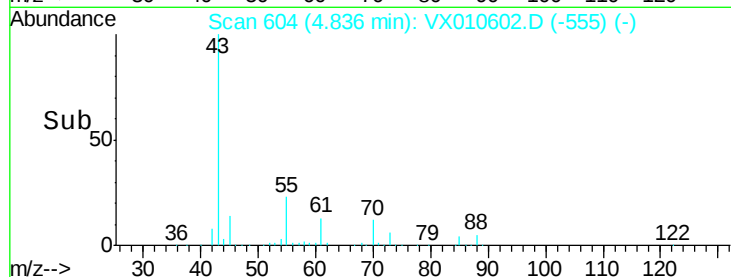
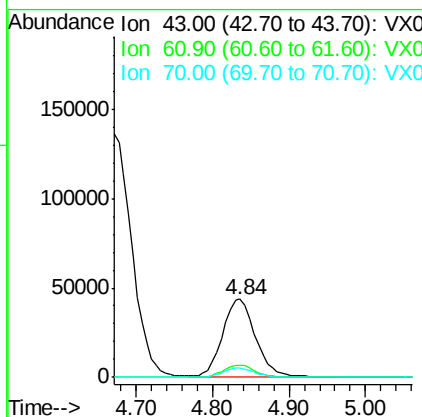
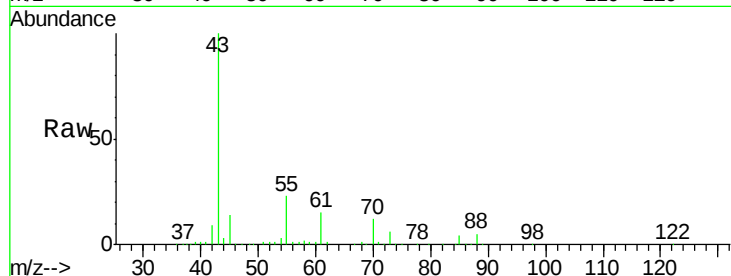
#37
Ethyl Acetate
Concen: 45.233 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.4	18.6
70	11.9	9.8	14.8

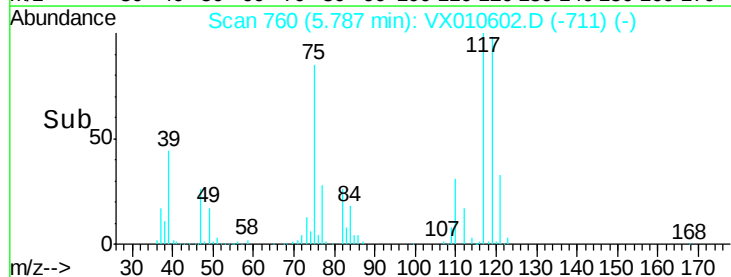
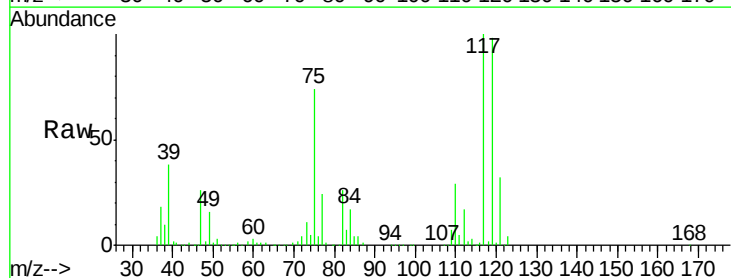
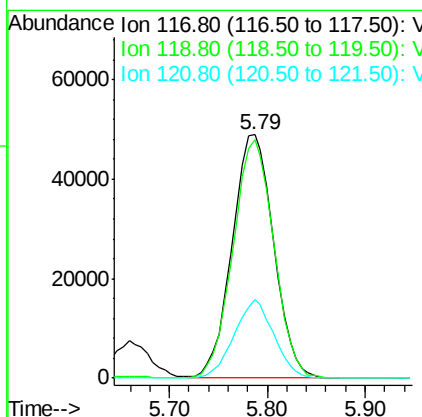
Manual Integrations
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7/2/2019 9:55:32 AM



#38
Carbon Tetrachloride
Concen: 47.924 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.2	117.4
121	32.4	24.7	37.1





#39

Methylvlcvclohexane

Concen: 42.927 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

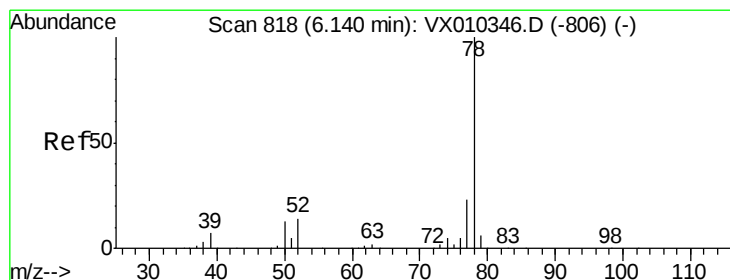
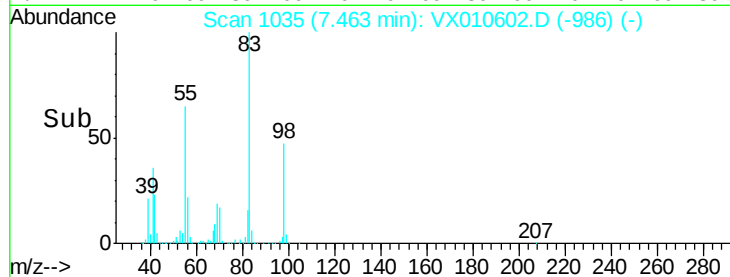
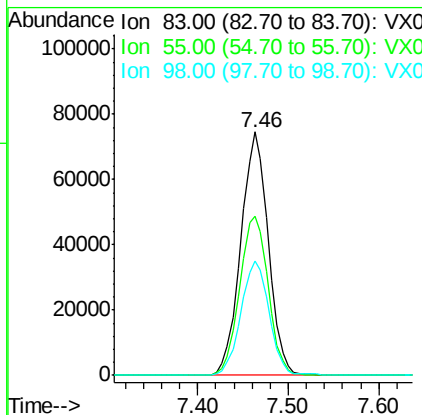
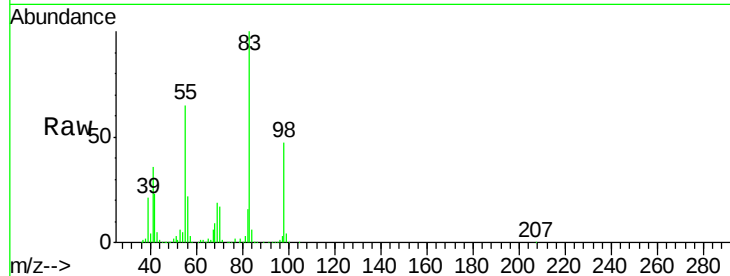
ClientSampled :

PK-10IMSD

Tot Ion:	83	Resp:	156703
Ion	Ratio	Lower	Upper
83	100		
55	65.4	53.0	79.6
98	46.8	37.8	56.8

Manual Integrations
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#40

Benzene

Concen: 49.298 ug/l

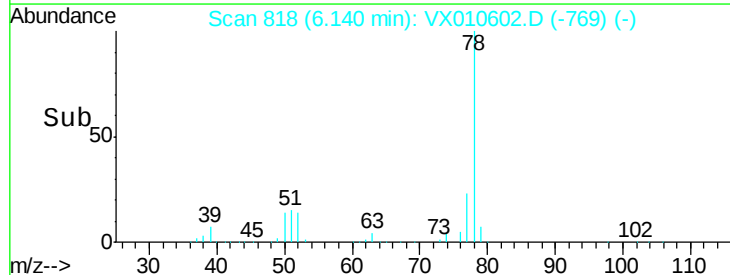
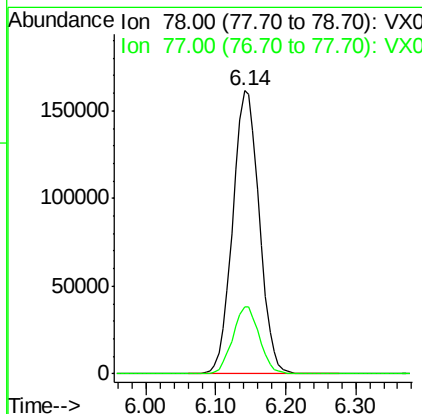
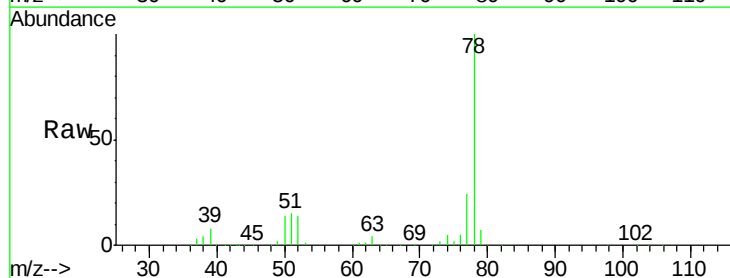
RT: 6.14 min Scan# 818

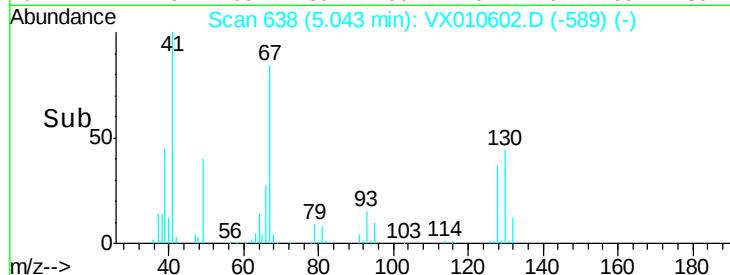
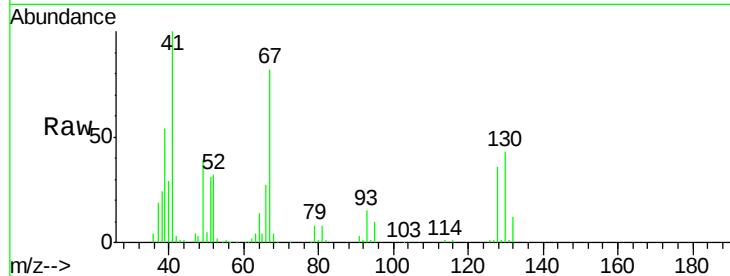
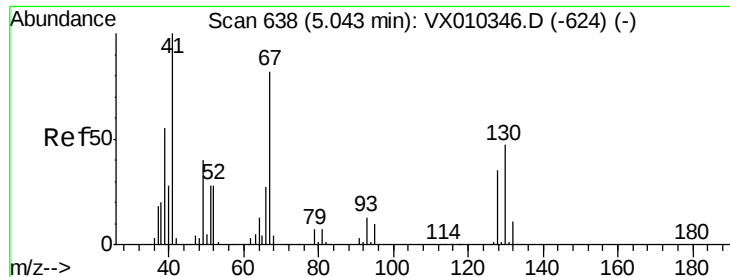
Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Tgt Ion:	78	Resp:	426535
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





#41

Methacrylonitrile

Concen: 50.862 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Tot Ion:	41	Resp:	79730
Ion	Ratio	Lower	Upper
41	100		
39	54.7	43.8	65.8
67	83.1	66.6	100.0
52	33.2	24.5	36.7

Instrument :

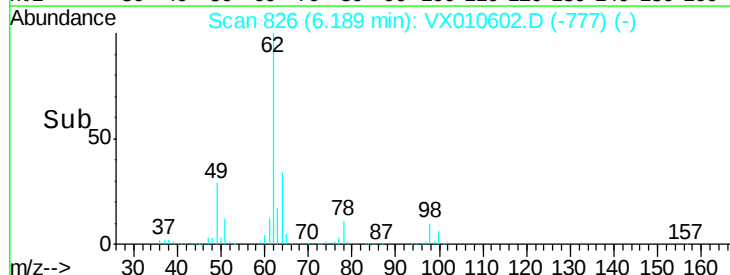
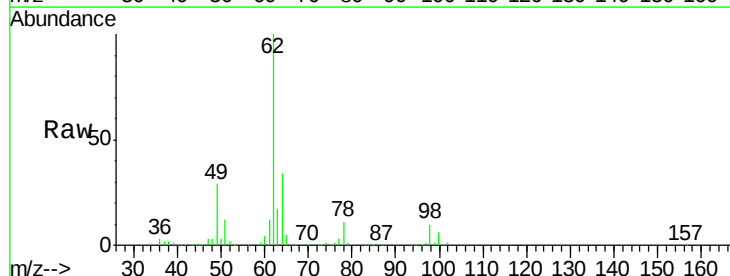
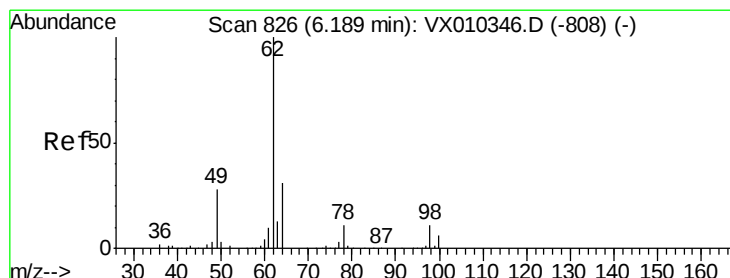
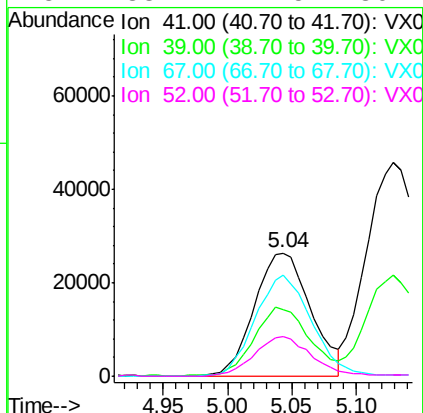
MSVOA_X

ClientSampled :

PK-10IMSD

Manual Integrations
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MMDadoda
7/2/2019 9:55:32 AM



#42

1,2-Dichloroethane

Concen: 53.125 ug/l

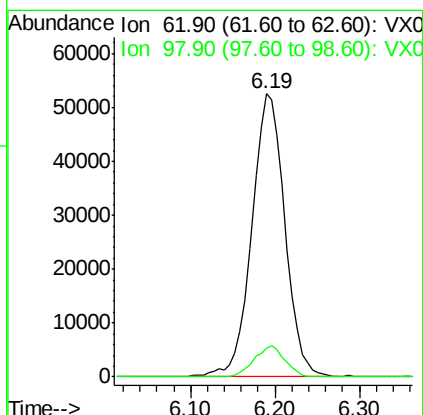
RT: 6.19 min Scan# 826

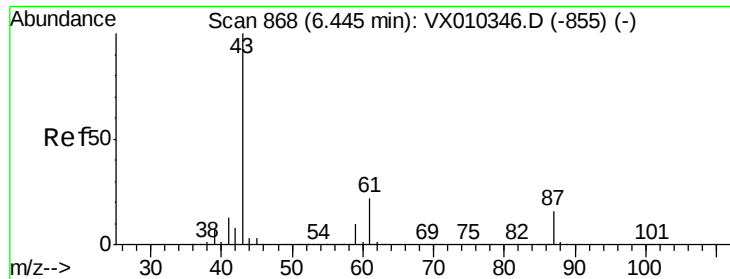
Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Tgt Ion:	62	Resp:	139915
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	22.2





#43

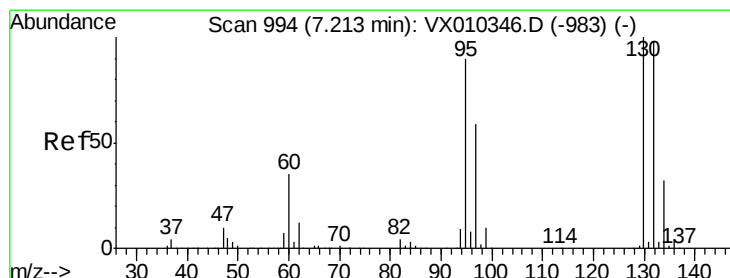
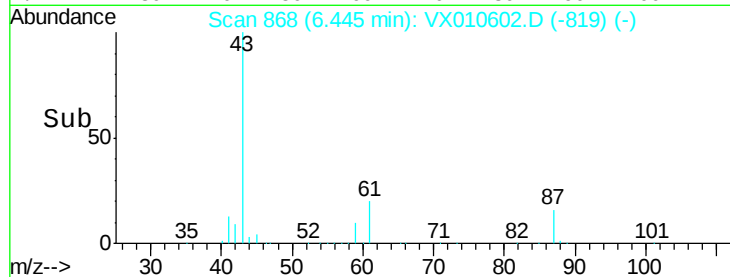
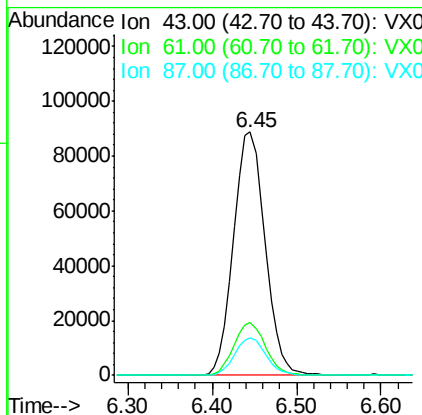
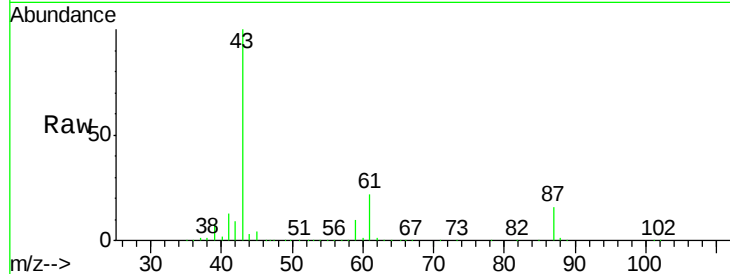
Isopropyl Acetate
 Concen: 47.402 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampled :
 PK-10IMSD

Tot Ion	43	61	87
Resp	224061		
Ratio	100	21.7	15.5
Lower		17.8	13.0
Upper		26.6	19.4

Manual Integrations
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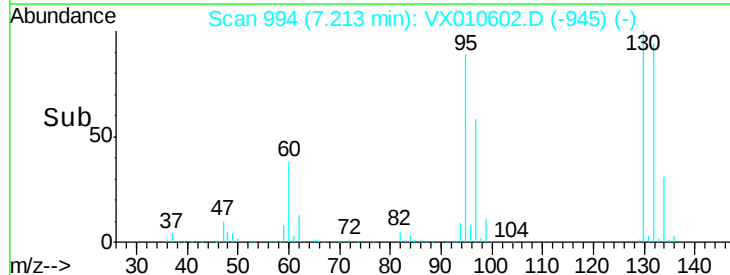
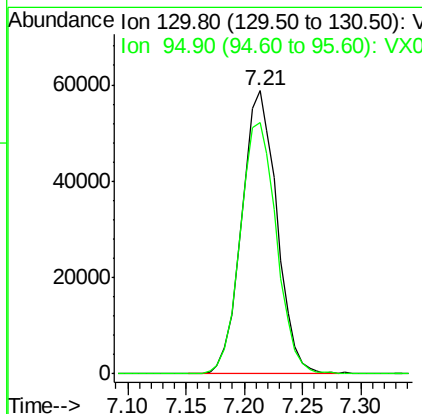
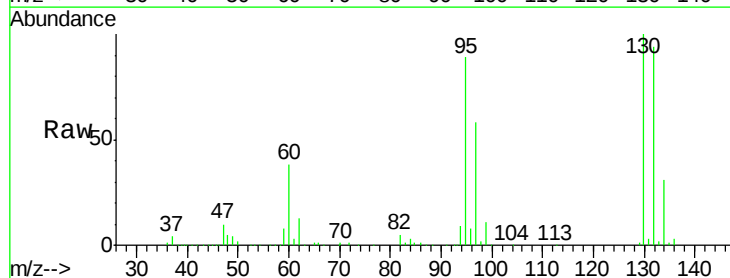
MMDadoda
 7/2/2019 9:55:32 AM

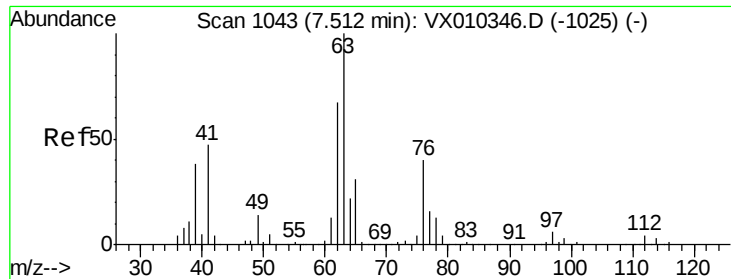


#44

Trichloroethene
 Concen: 47.878 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion	130	95
Resp	123952	
Ratio	100	89.0
Lower		0.0
Upper		180.8





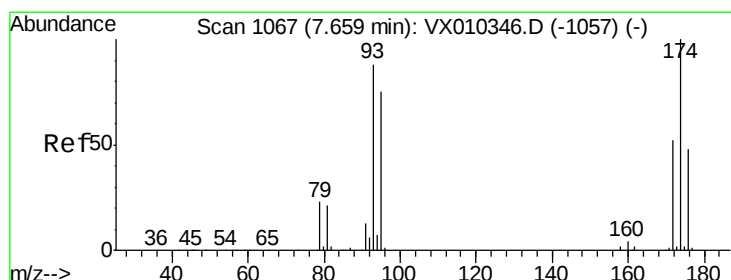
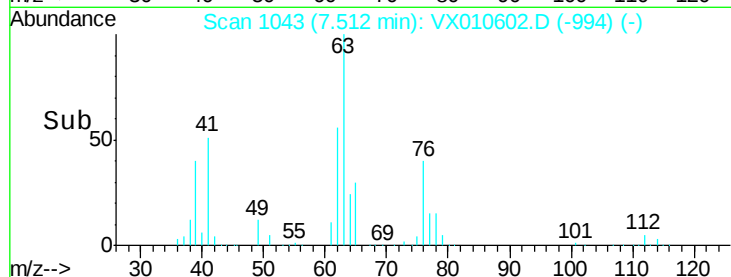
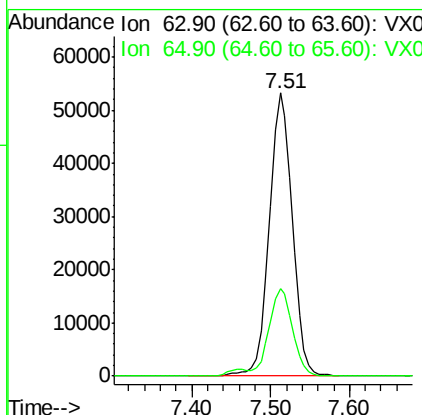
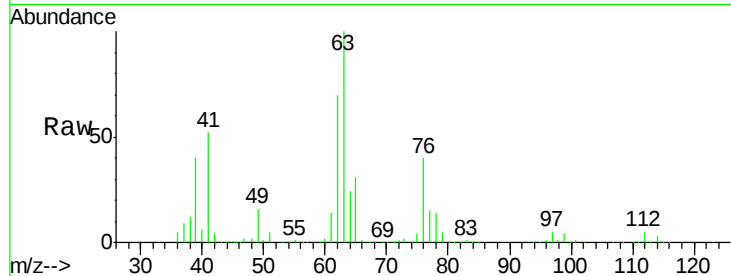
#45
 1,2-Dichloropropane
 Concen: 49.707 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMSD

Tot Ion: 63 Resp: 108604
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

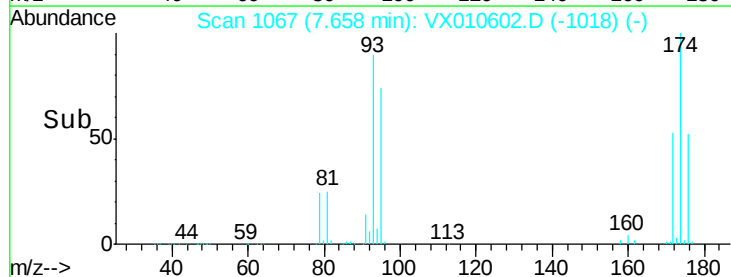
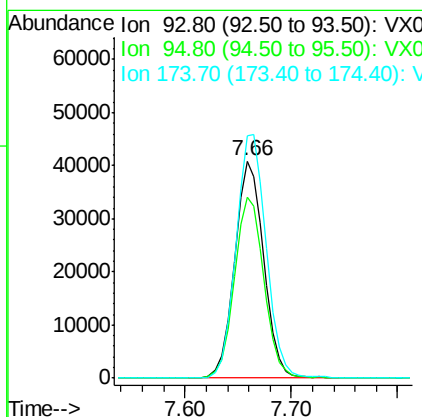
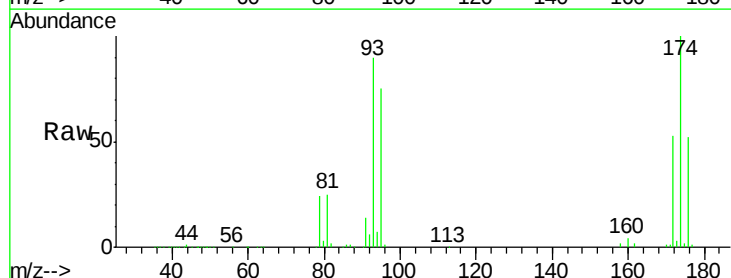
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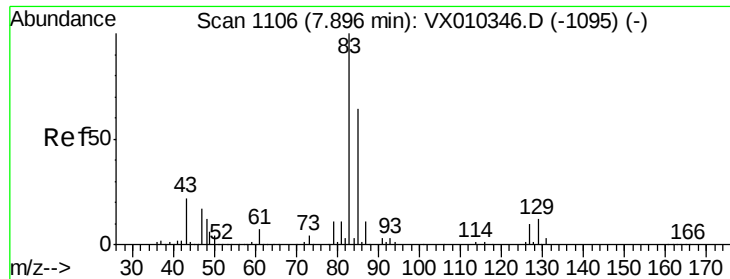
MMDadoda
 7/2/2019 9:55:32 AM



#46
 Dibromomethane
 Concen: 50.049 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion: 93 Resp: 78457
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.5 101.3
 174 116.6 95.8 143.6





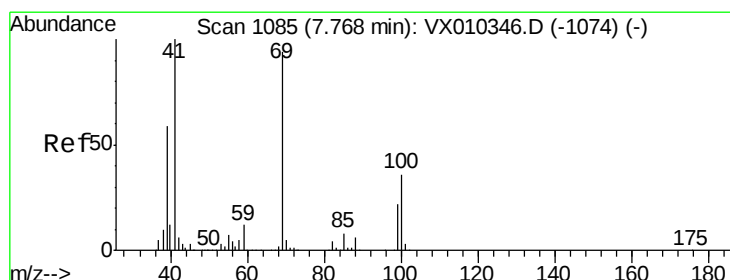
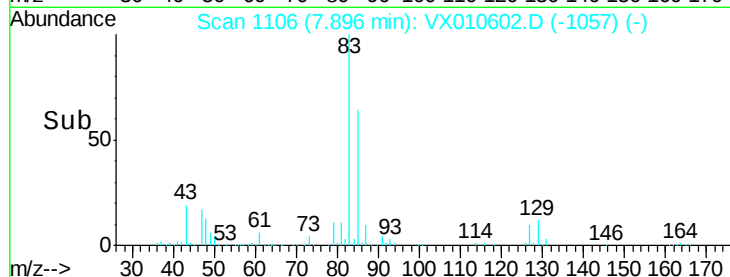
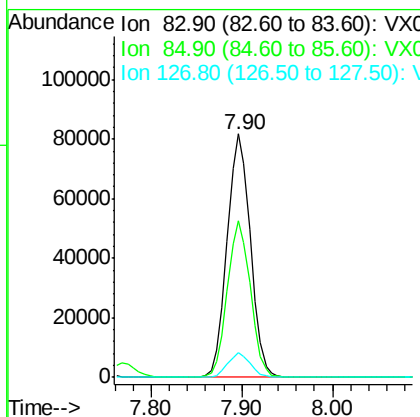
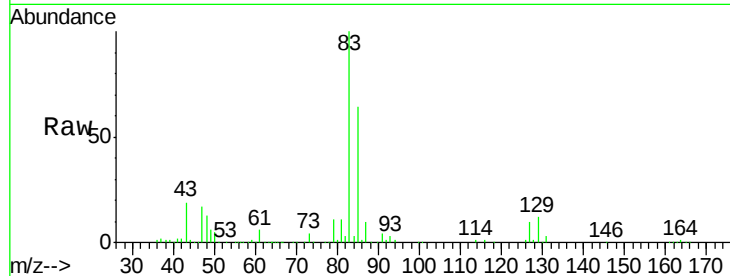
#47
Bromodichloromethane
Concen: 50.764 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampled :
PK-10IMSD

Tot Ion	83	Resp	145838
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	10.0	7.8	11.8

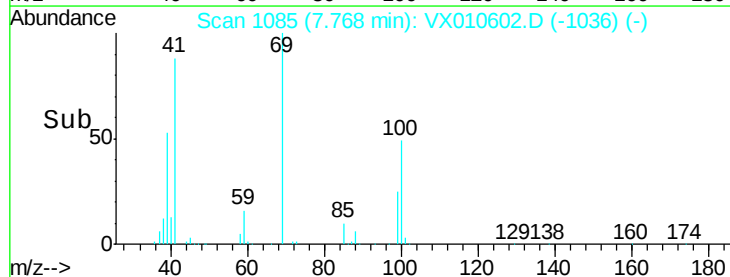
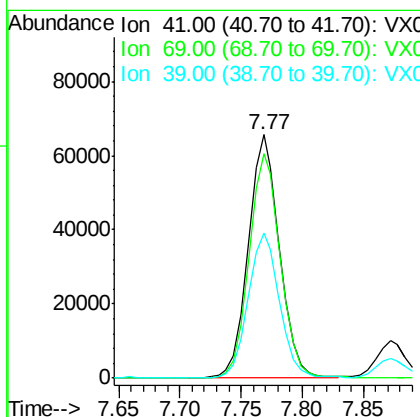
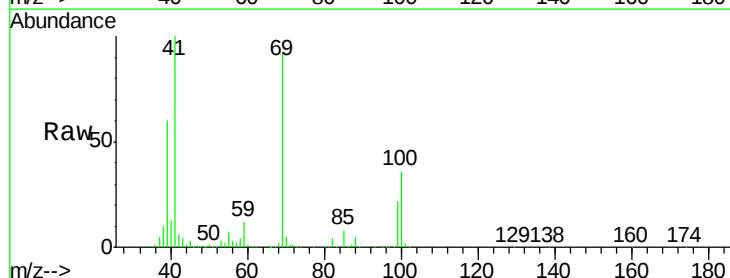
Manual Integrations
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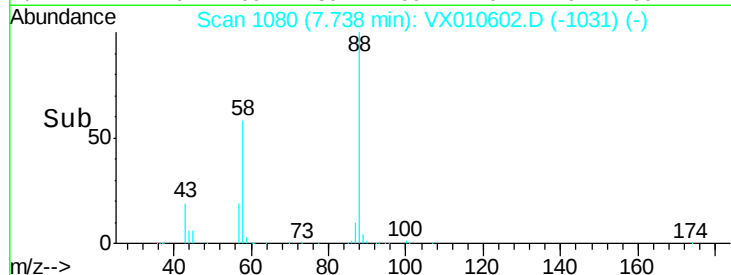
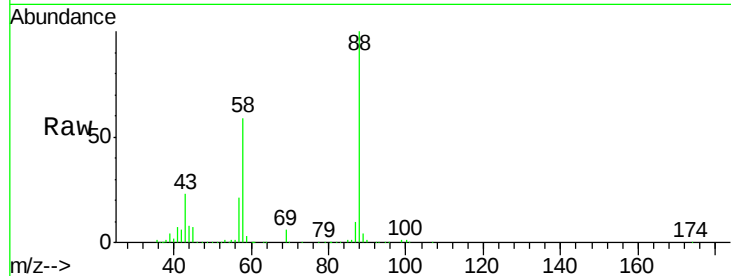
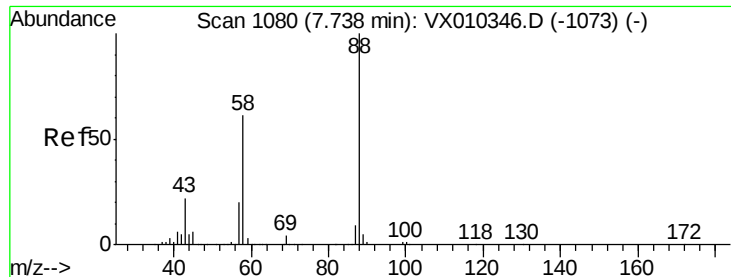
MMDadoda
7/2/2019 9:55:32 AM



#48
Methyl methacrylate
Concen: 52.548 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	41	Resp	115455
Ion Ratio	100	Lower	Upper
41	100		
69	93.3	76.1	114.1
39	60.6	47.6	71.4





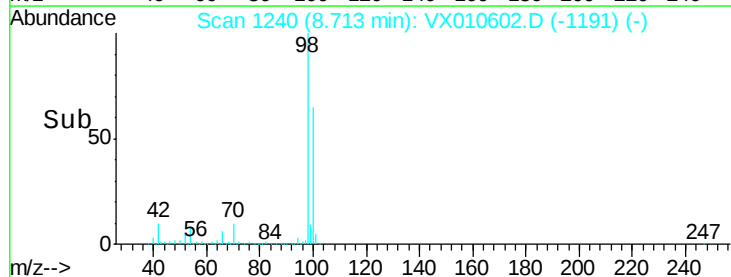
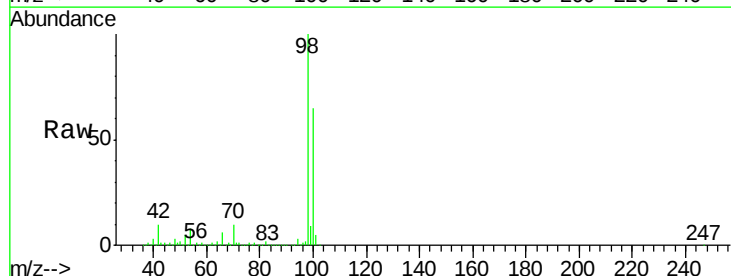
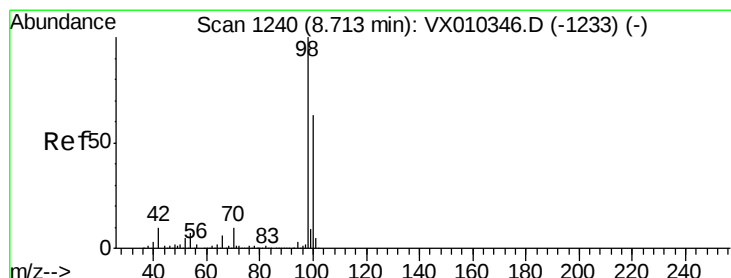
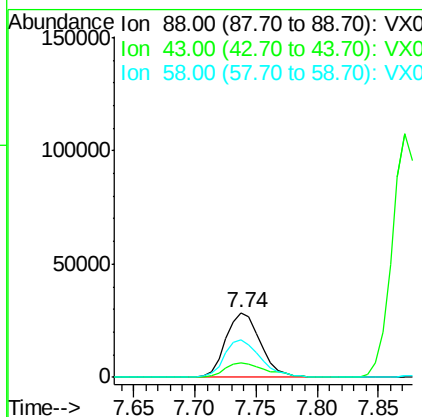
#49
1,4-Dioxane
Concen: 886.193 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tot Ion:	88	Resp:	56090
Ion	Ratio	Lower	Upper
88	100		
43	27.0	20.2	30.2
58	60.9	49.5	74.3

Instrument :
MSVOA_X
ClientSampled :
PK-10IMSD

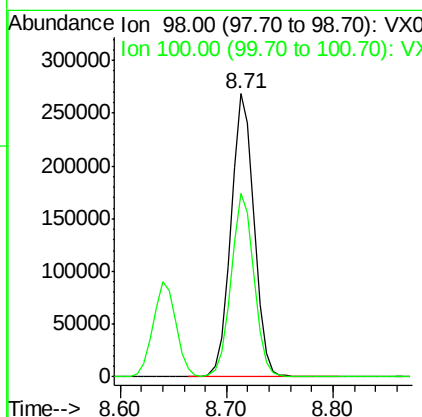
Manual Integrations
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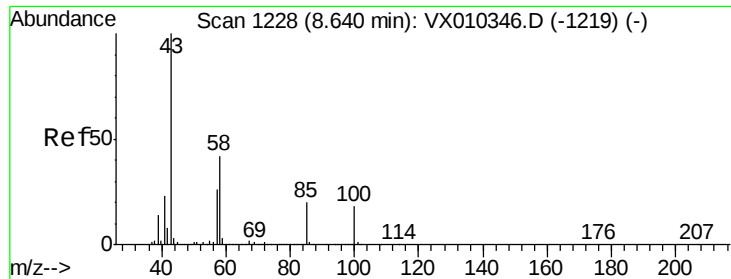
MMDadoda
7/2/2019 9:55:32 AM



#50
Toluene-d8
Concen: 49.880 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion:	98	Resp:	408037
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 260.558 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampled :

PK-10IMSD

Tot Ion: 43 Resp: 787698

Ion Ratio Lower Upper

43 100

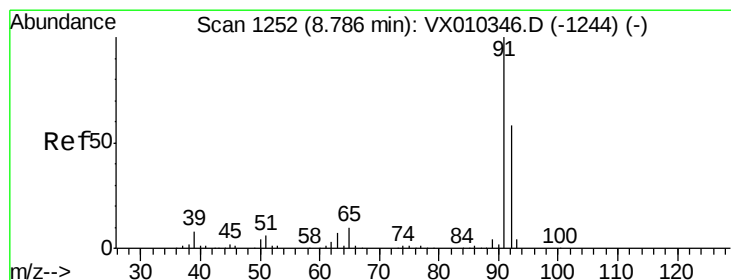
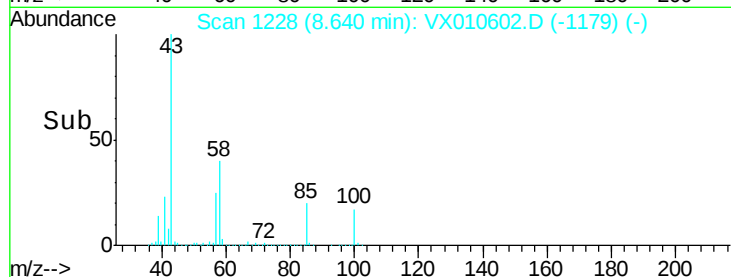
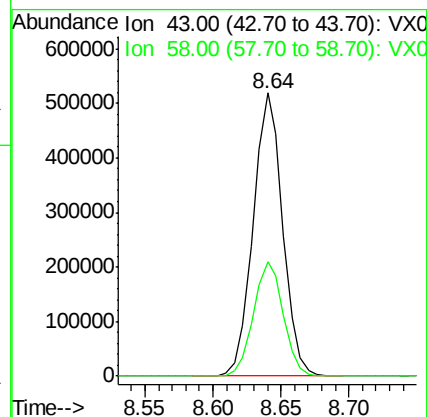
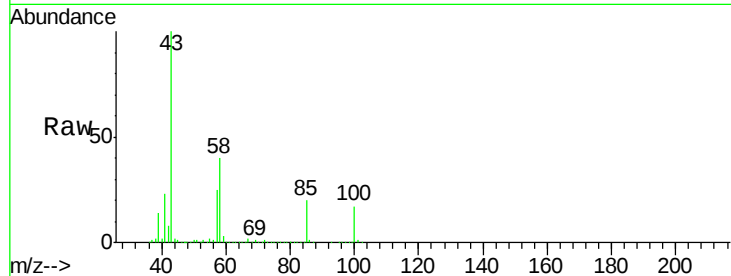
58 40.9 33.5 50.3

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#52

Toluene

Concen: 48.361 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010602.D

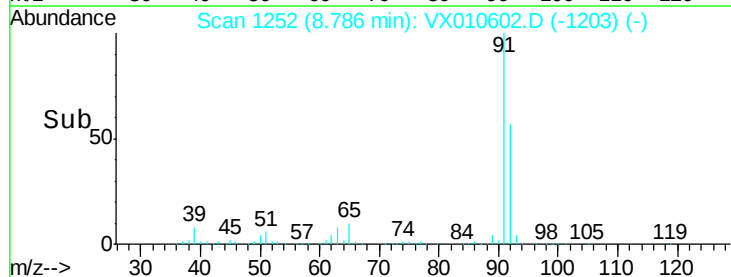
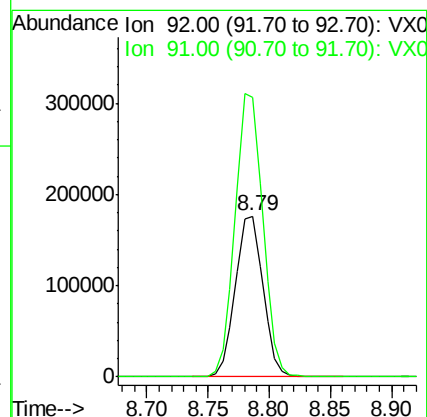
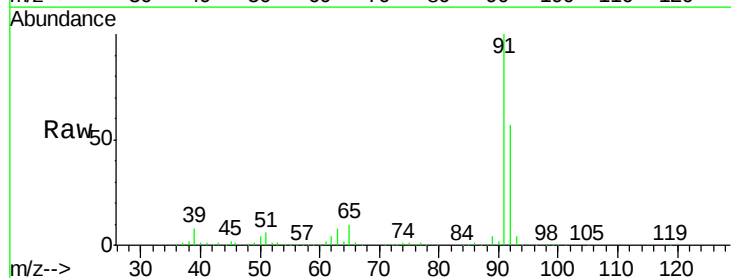
Acq: 01 Jul 2019 19:38

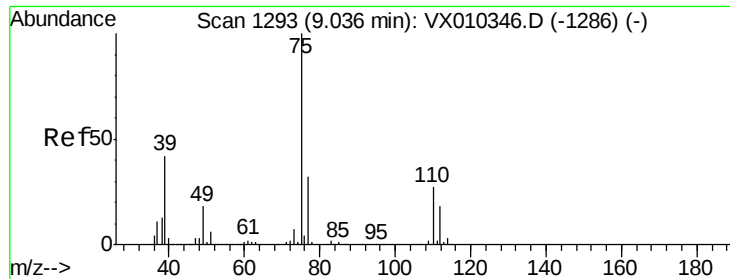
Tgt Ion: 92 Resp: 275548

Ion Ratio Lower Upper

92 100

91 176.5 139.8 209.6





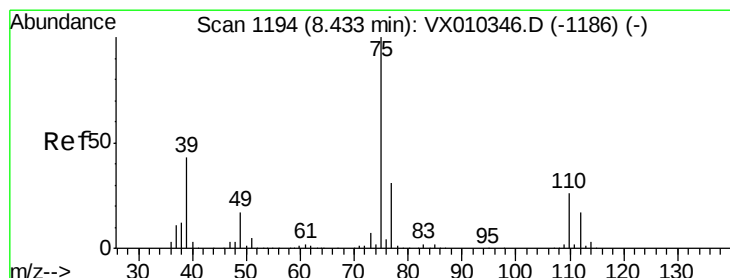
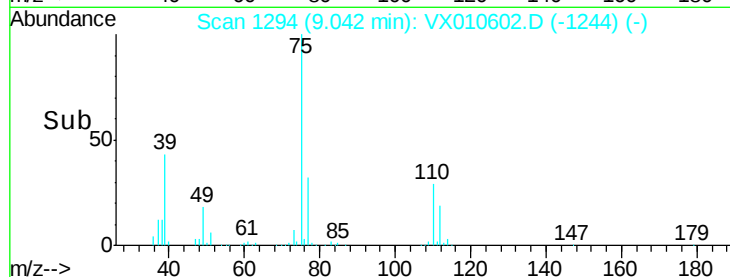
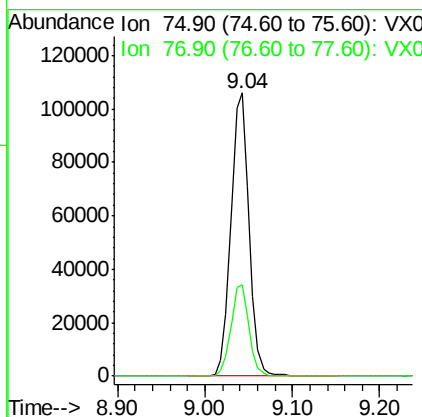
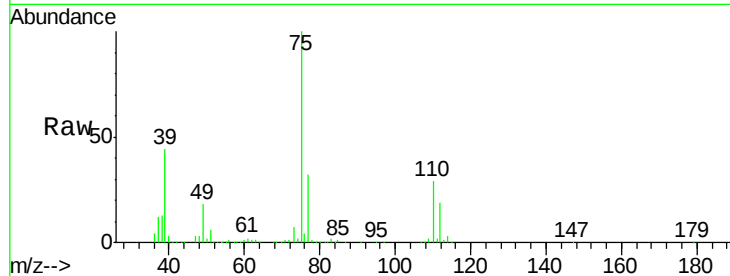
#53
 t-1,3-Dichloropropene
 Concen: 47.590 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMSD

Tot Ion: 75 Resp: 153282
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2

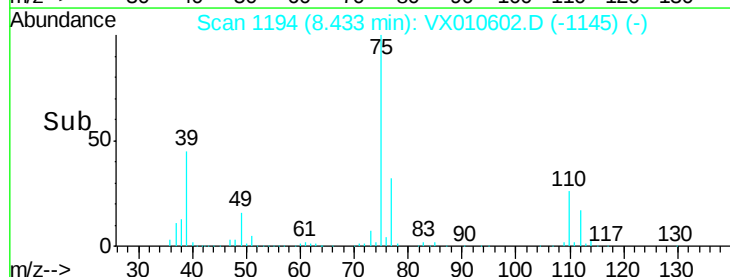
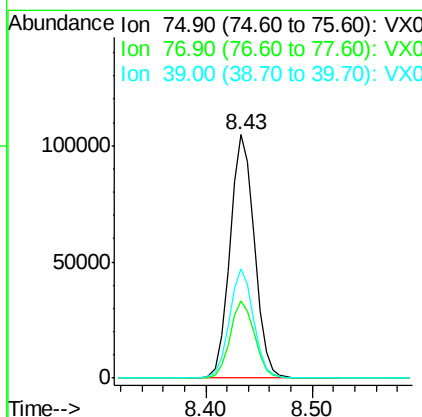
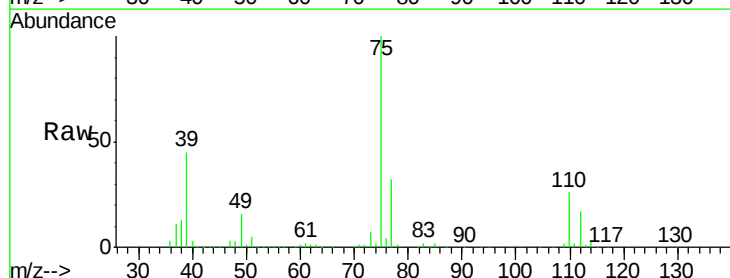
Manual Integrations
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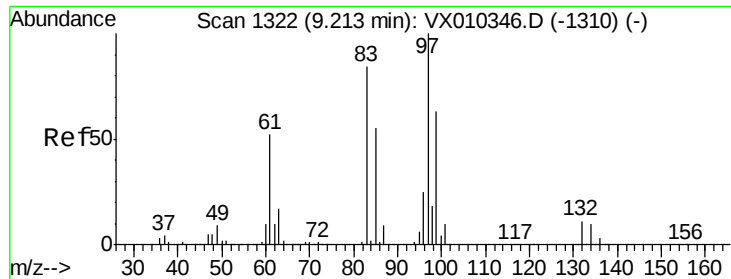
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#54
 cis-1,3-Dichloropropene
 Concen: 48.204 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion: 75 Resp: 168722
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8
 39 44.6 34.5 51.7





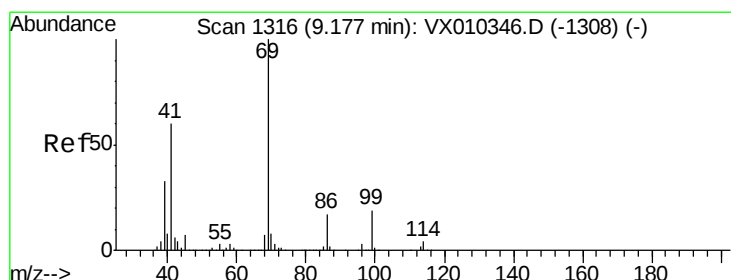
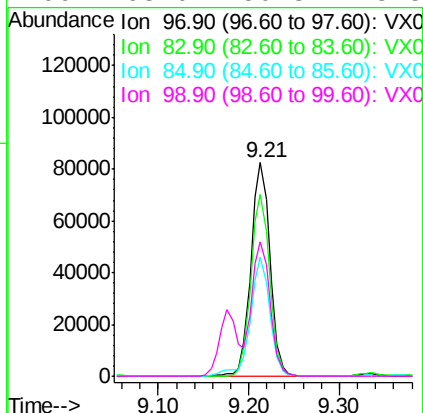
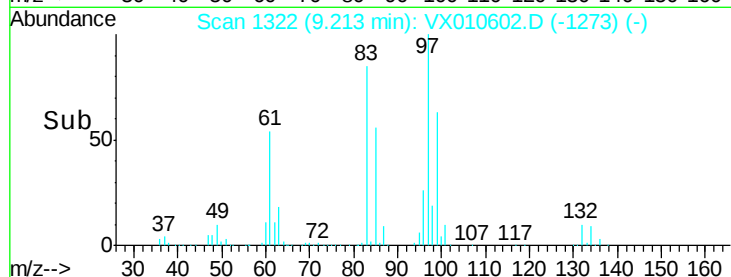
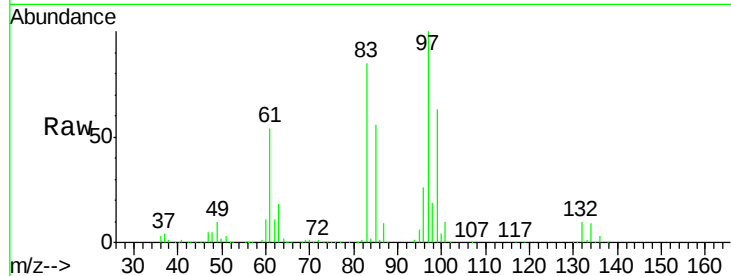
#55
 1,1,2-Trichloroethane
 Concen: 51.147 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMSD

Tot Ion	97	Resp	120189
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.0
85	55.7	43.8	65.8
99	63.0	50.3	75.5

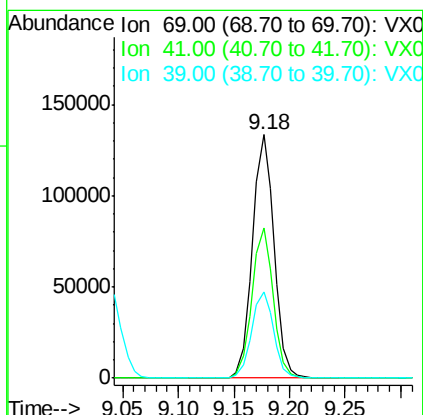
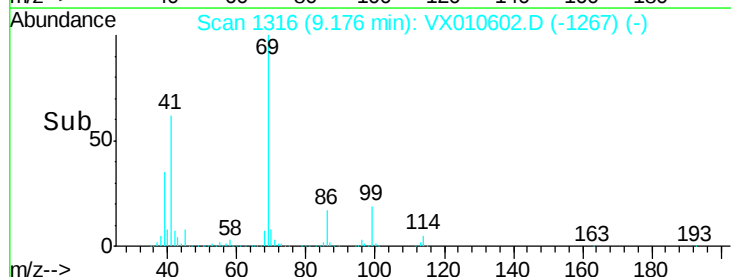
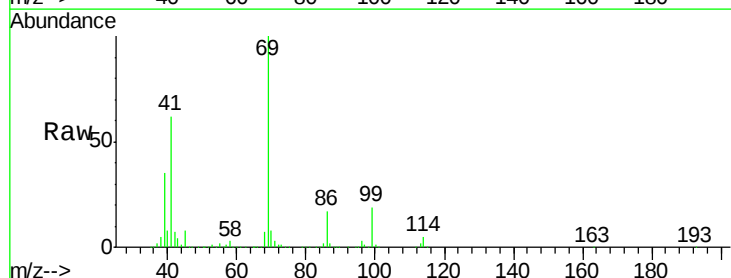
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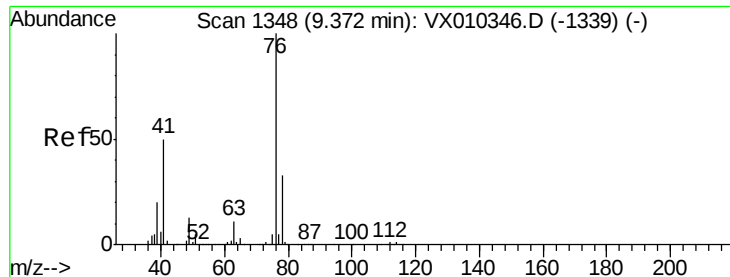
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#56
 Ethyl methacrylate
 Concen: 50.761 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion	69	Resp	180694
Ion	Ratio	Lower	Upper
69	100		
41	60.3	47.1	70.7
39	35.5	26.6	40.0





#57

1,3-Dichloropropane

Concen: 51.295 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampleId :

PK-10IMSD

Tot Ion: 76 Resp: 187108

Ion Ratio Lower Upper

76 100

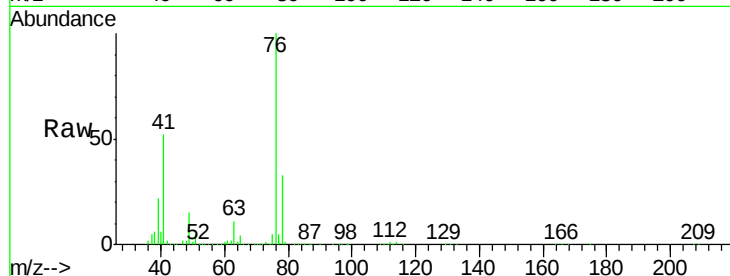
78 32.2 26.1 39.1

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

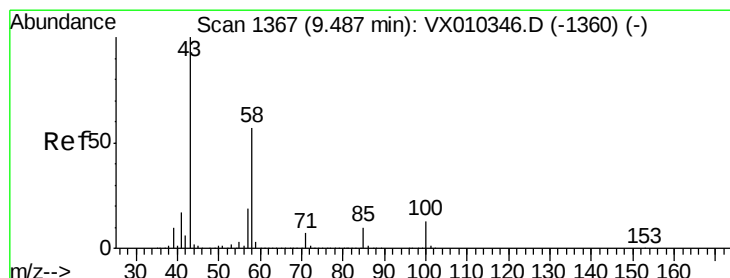
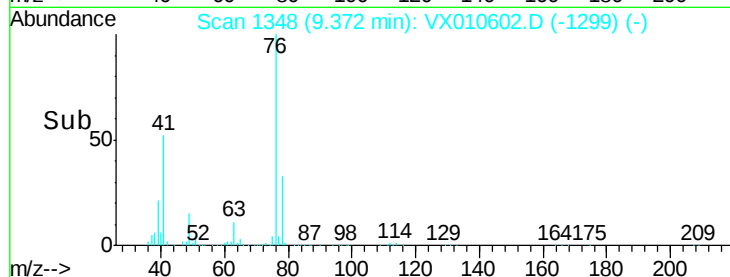
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 251.732 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX010602.D

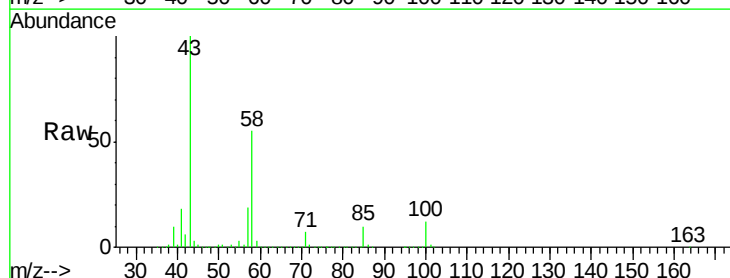
Acq: 01 Jul 2019 19:38

Tgt Ion: 43 Resp: 598947

Ion Ratio Lower Upper

43 100

58 56.4 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

500000

400000

300000

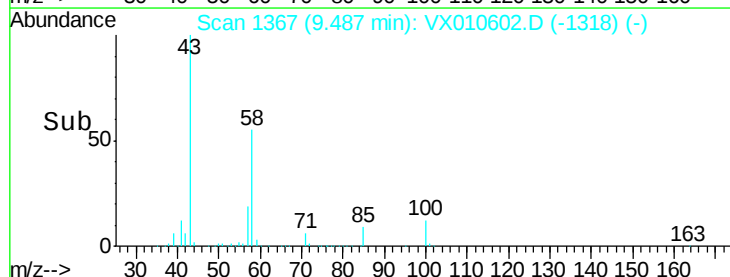
200000

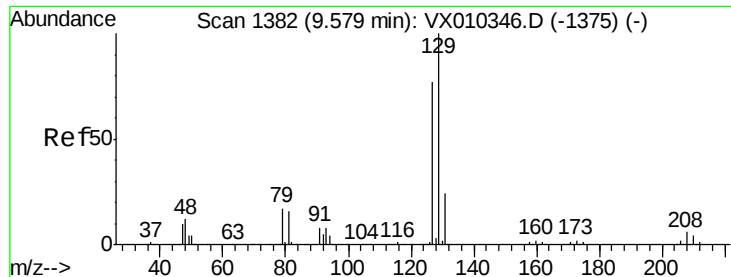
100000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 49.428 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampleId :

PK-10IMSD

Tot Ion:129 Resp: 130048

Ion Ratio Lower Upper

129 100

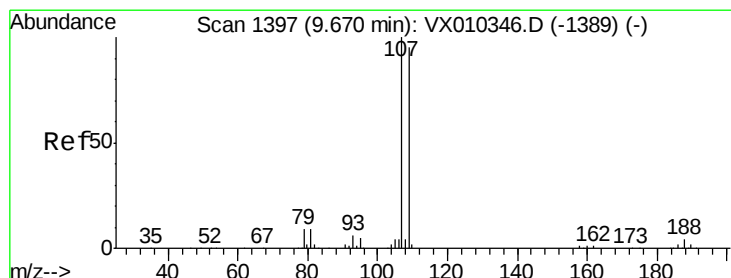
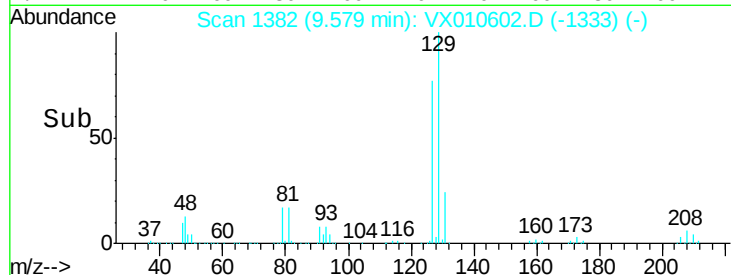
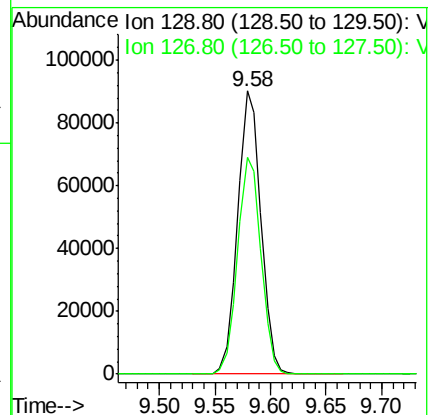
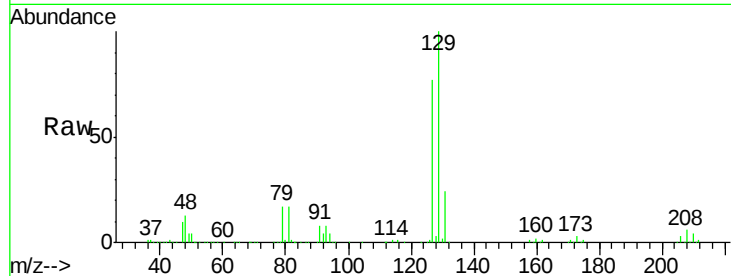
127 77.4 38.4 115.1

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 50.252 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010602.D

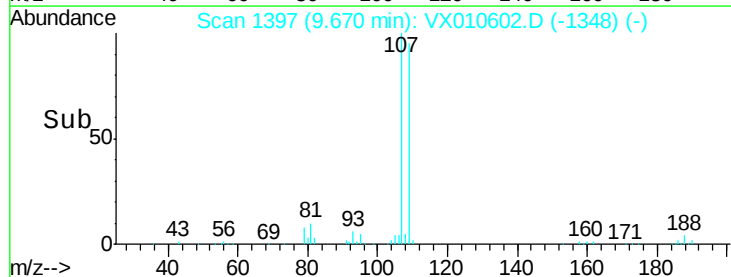
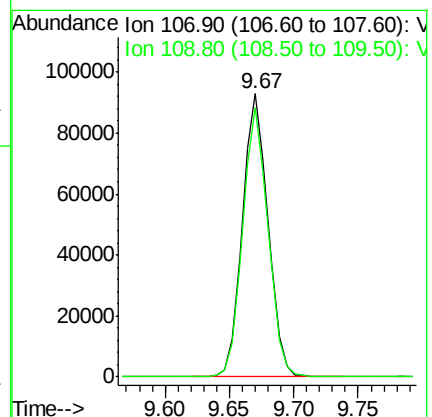
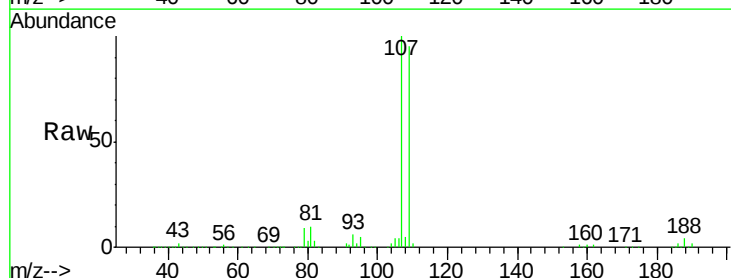
Acq: 01 Jul 2019 19:38

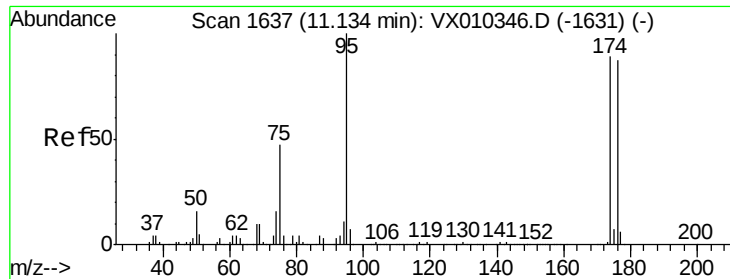
Tgt Ion:107 Resp: 127459

Ion Ratio Lower Upper

107 100

109 94.7 75.8 113.6





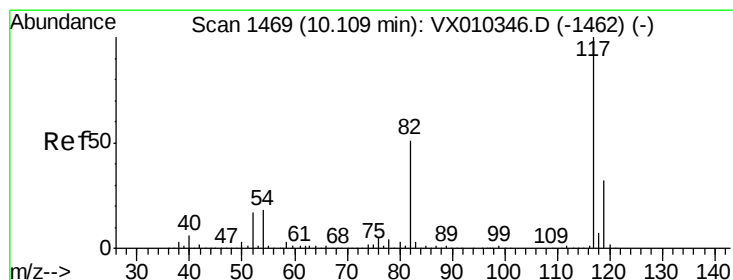
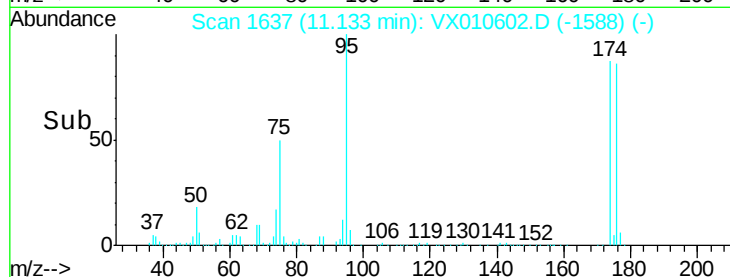
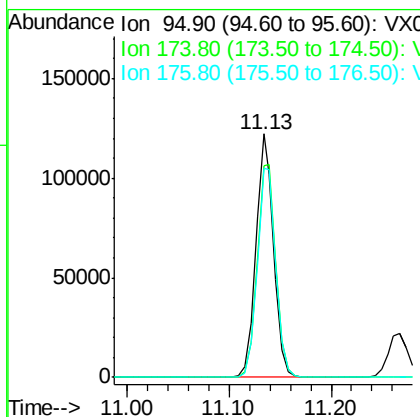
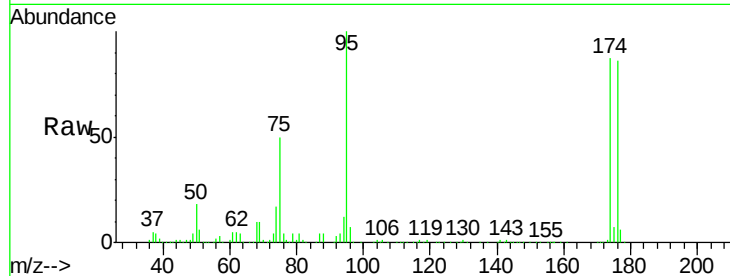
#62
4-Bromofluorobenzene
Concen: 50.229 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	148344		
174	92.9	0.0	187.6	
176	90.7	0.0	184.0	

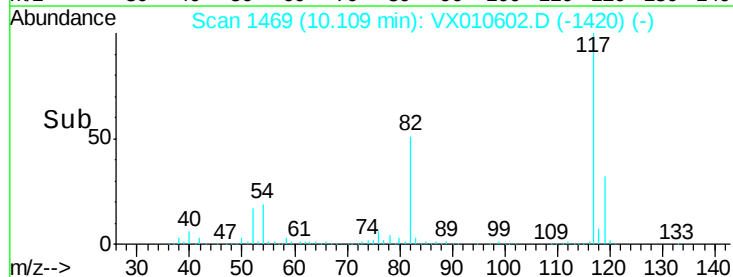
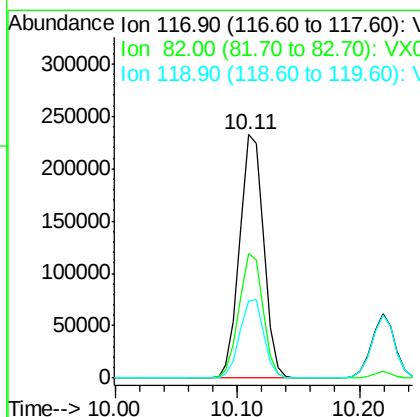
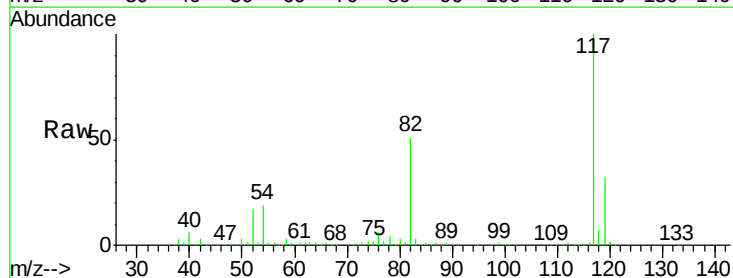
Manual Integrations
APPROVED

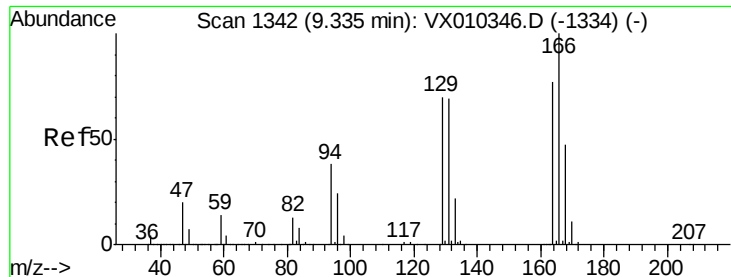
MMDadoda
7/2/2019 9:55:32 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	315919		
82	51.4	41.2	61.8	
119	31.6	25.5	38.3	





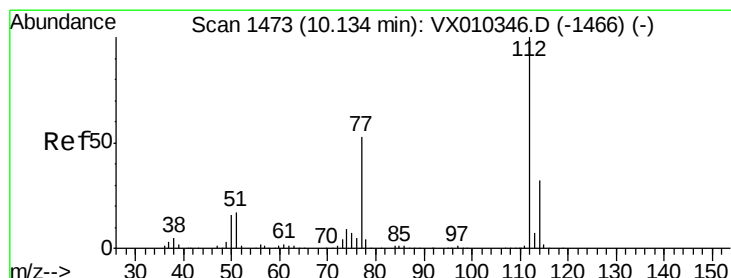
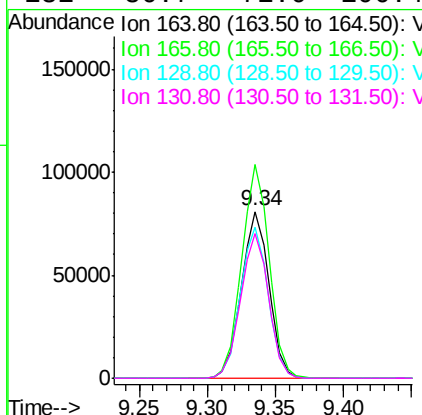
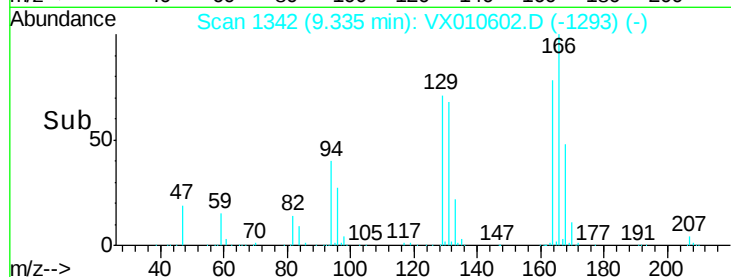
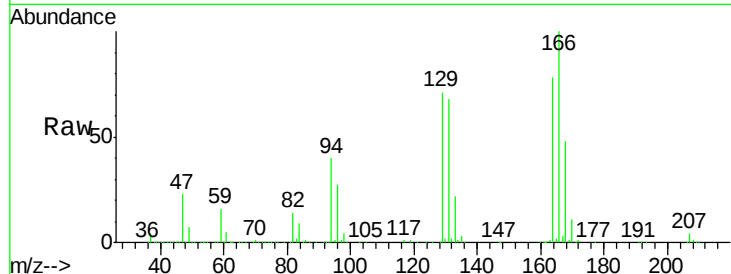
#64
Tetrachloroethene
Concen: 44.903 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.6	155.4
129	90.7	73.0	109.4
131	86.7	71.0	106.4

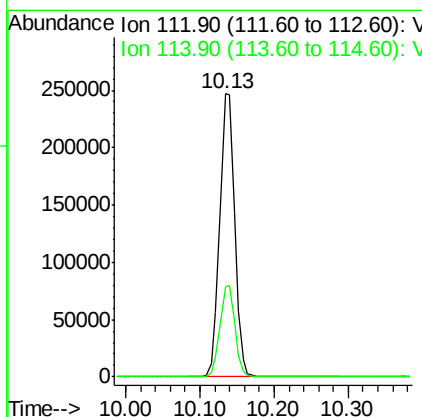
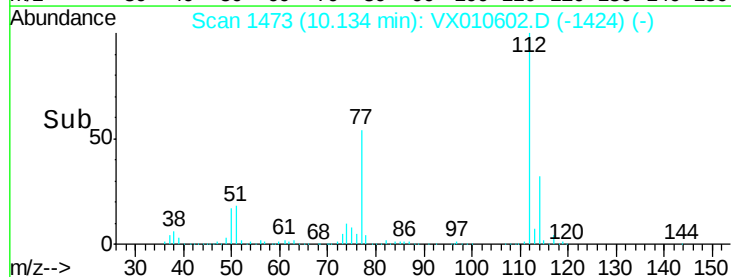
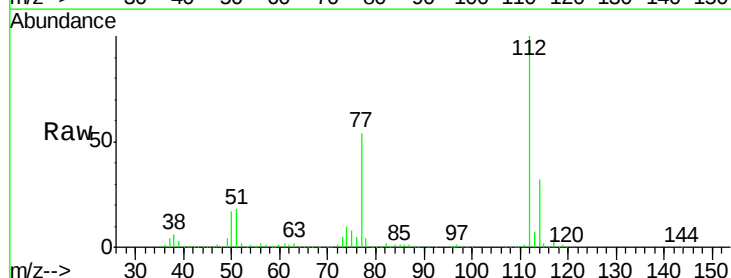
Manual Integrations
APPROVED

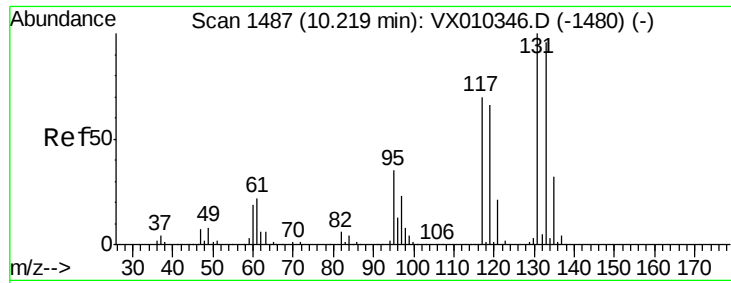
MMDadoda
7/2/2019 9:55:32 AM



#65
Chlorobenzene
Concen: 53.400 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 51.416 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

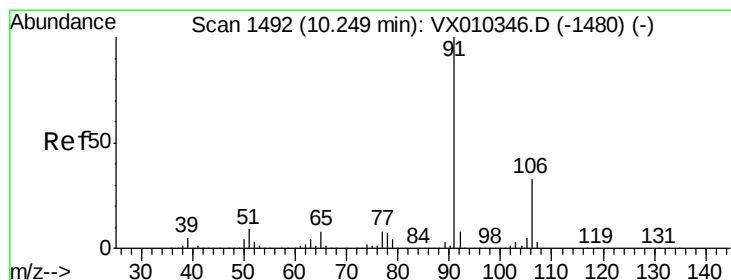
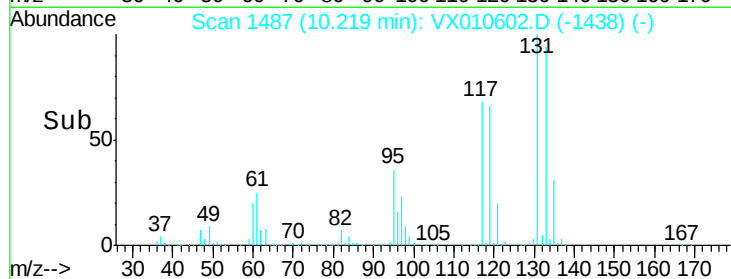
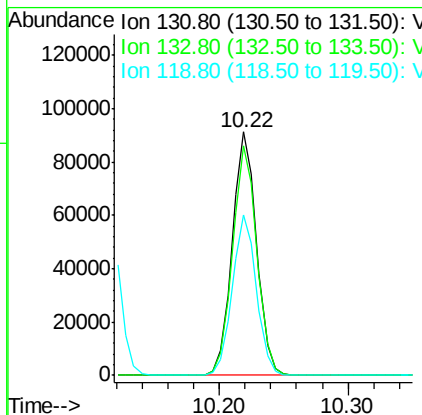
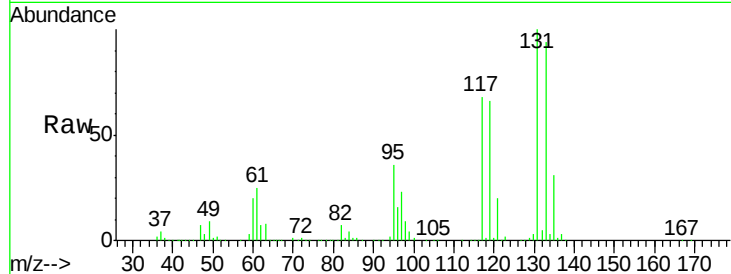
ClientSampleId :

PK-10IMSD

Tot Ion:	131	Resp:	120120
Ion Ratio		Lower	Upper
131	100		
133	94.3	47.7	143.1
119	65.3	32.6	97.7

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.625 ug/l

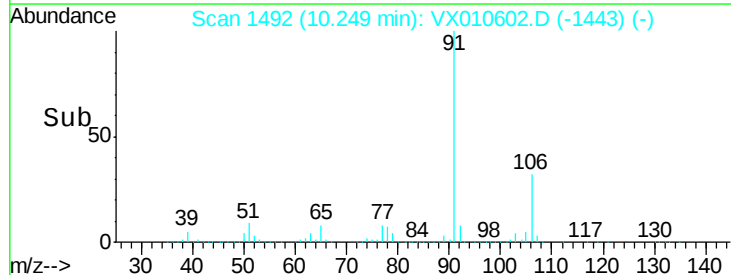
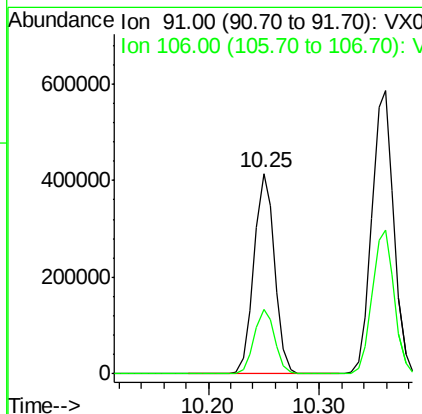
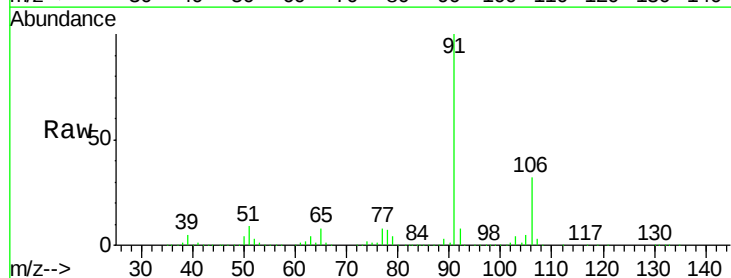
RT: 10.25 min Scan# 1492

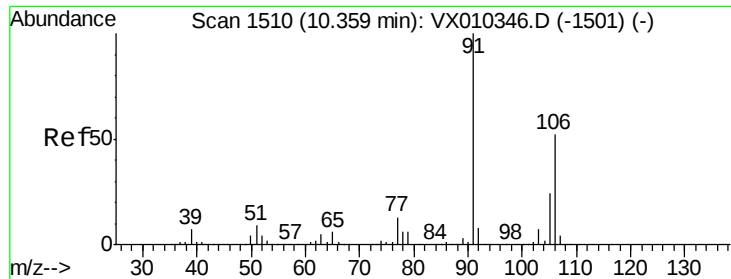
Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Tgt Ion:	91	Resp:	537333
Ion Ratio		Lower	Upper
91	100		
106	31.9	26.2	39.2





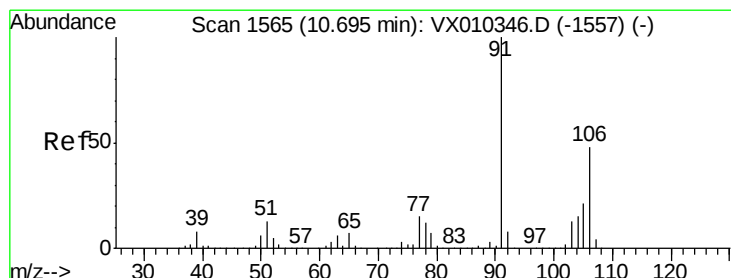
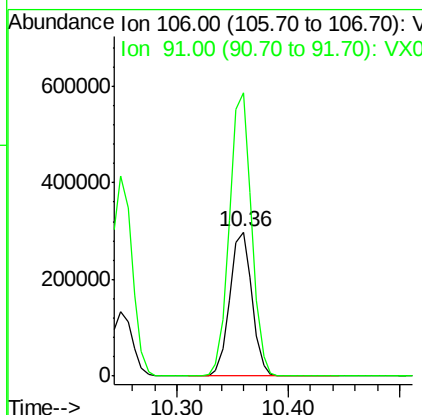
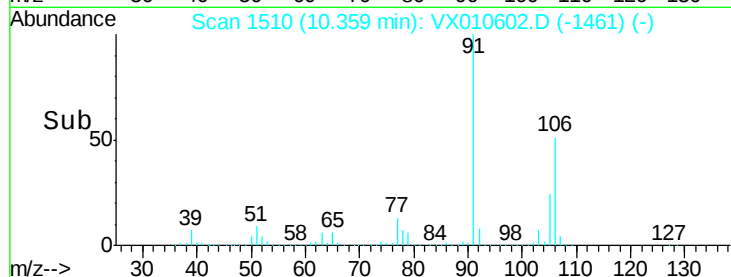
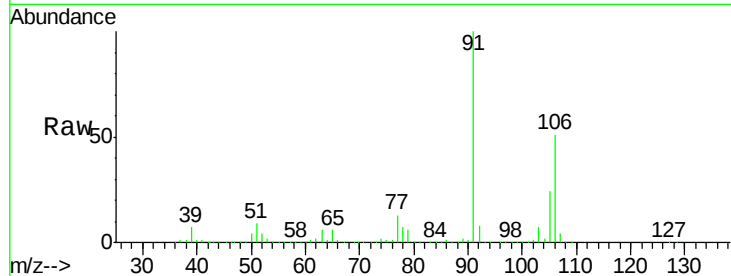
#68
m/p-Xvlenes
Concen: 97.418 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion:106 Resp: 408717
Ion Ratio Lower Upper
106 100
91 196.5 155.3 232.9

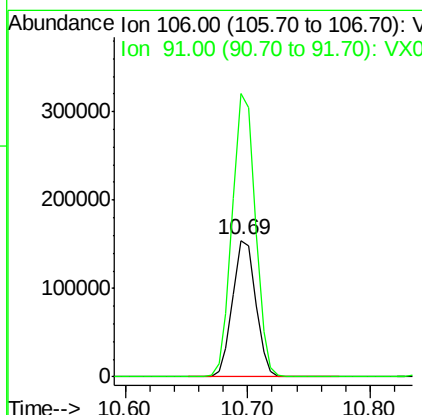
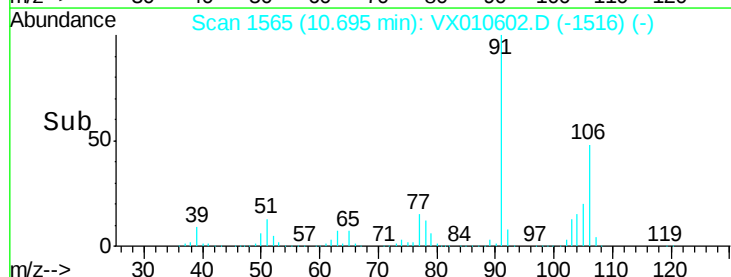
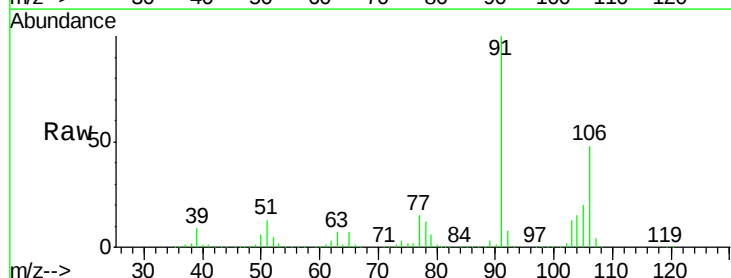
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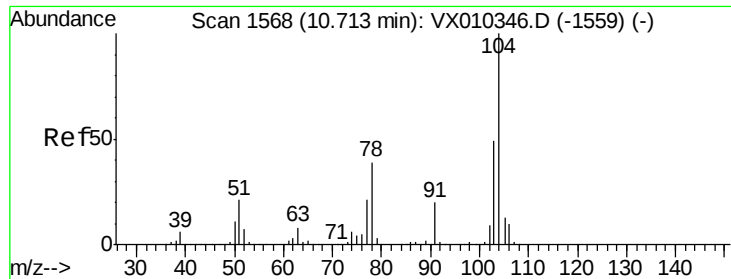
MMDadoda
7/2/2019 9:55:32 AM



#69
o-Xylene
Concen: 48.924 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion:106 Resp: 201854
Ion Ratio Lower Upper
106 100
91 206.9 102.7 308.1





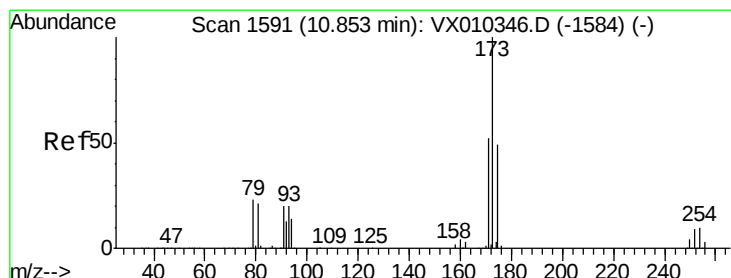
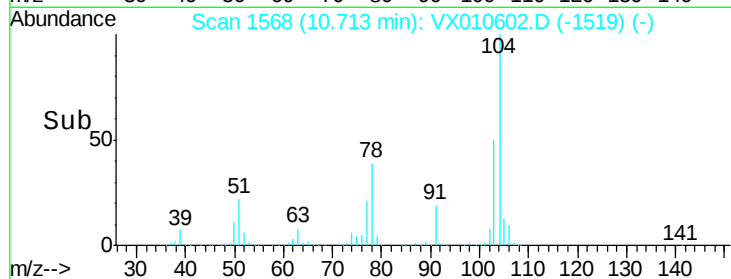
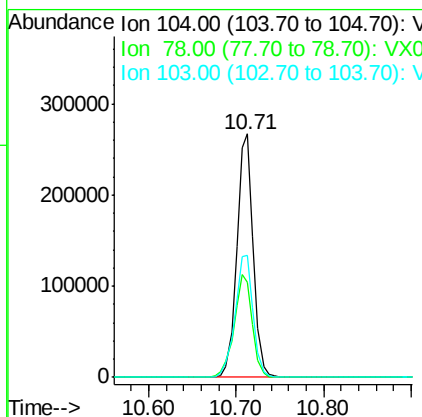
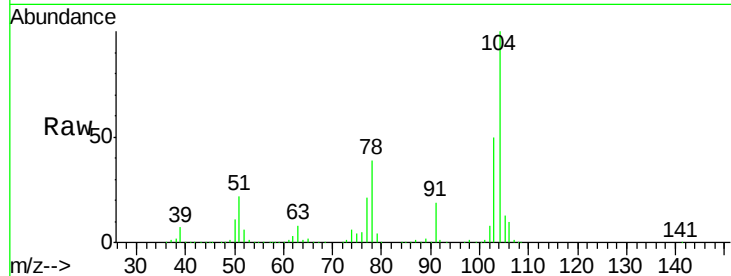
#70
Stvrene
Concen: 50.401 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampled :
PK-10IMSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	348736		
78	46.5		36.2	54.2
103	55.6		44.2	66.4

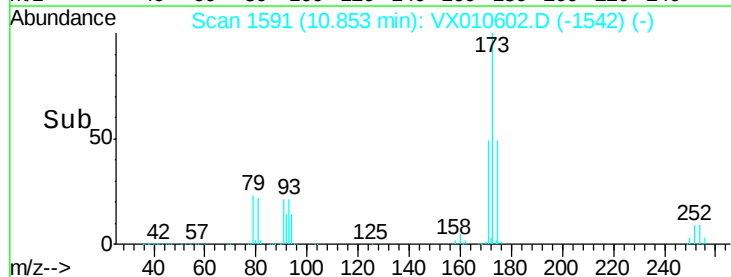
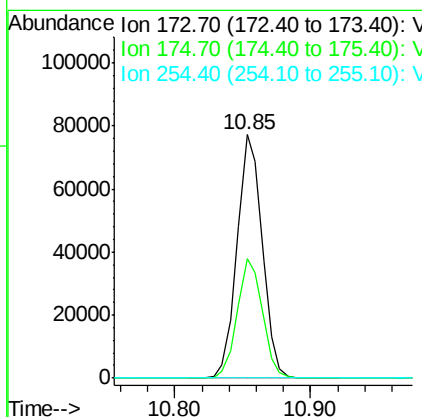
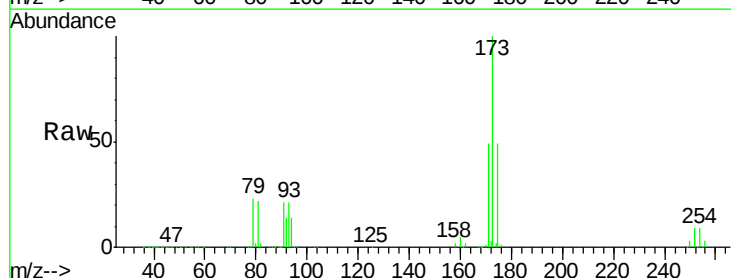
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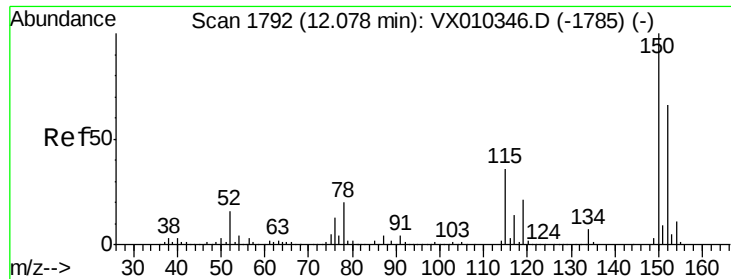
MMDadoda
7/2/2019 9:55:32 AM



#71
Bromoform
Concen: 48.996 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	99542		
175	48.9		24.1	72.3
254	0.2		0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampled :

PK-10IMSD

Tot Ion:152 Resp: 160219

Ion Ratio Lower Upper

152 100

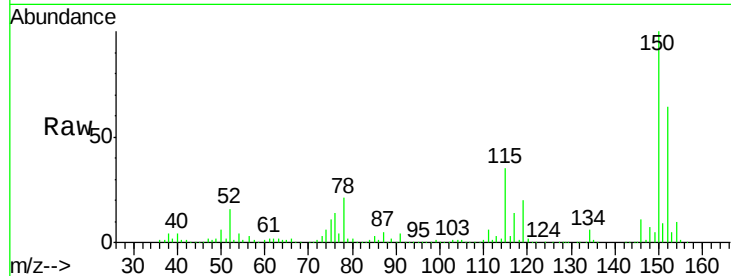
115 78.1 38.6 115.7

150 173.9 0.0 347.4

Manual Integrations
APPROVED

MMDadoda

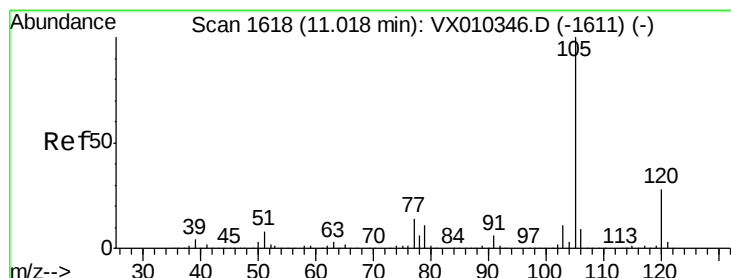
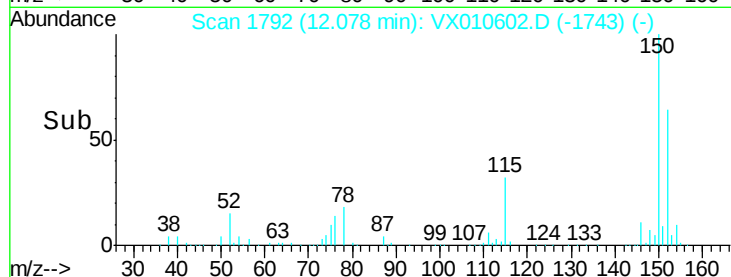
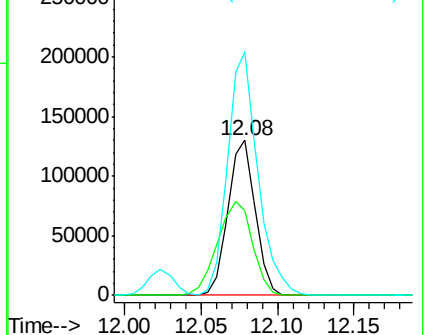
7/2/2019 9:55:32 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 50.194 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010602.D

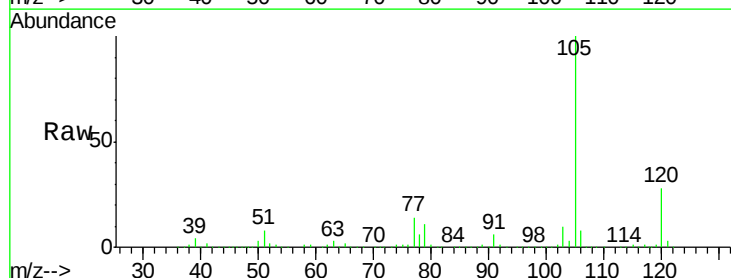
Acq: 01 Jul 2019 19:38

Tgt Ion:105 Resp: 545154

Ion Ratio Lower Upper

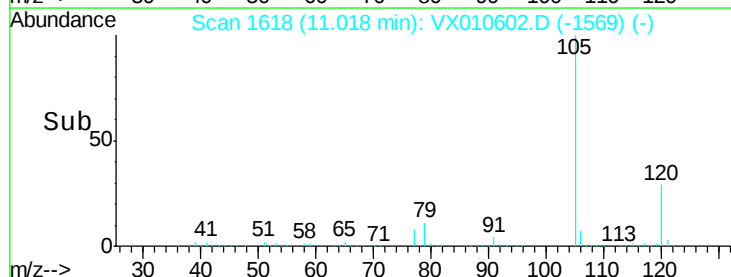
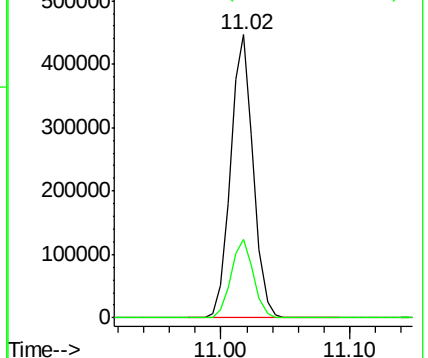
105 100

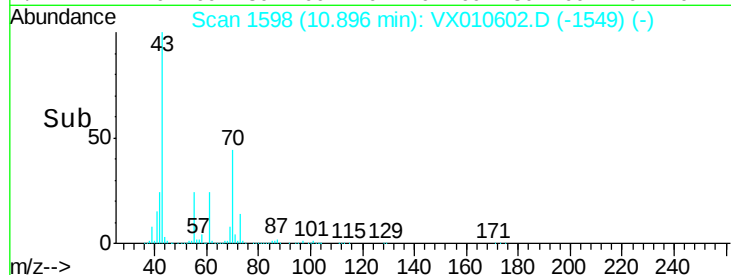
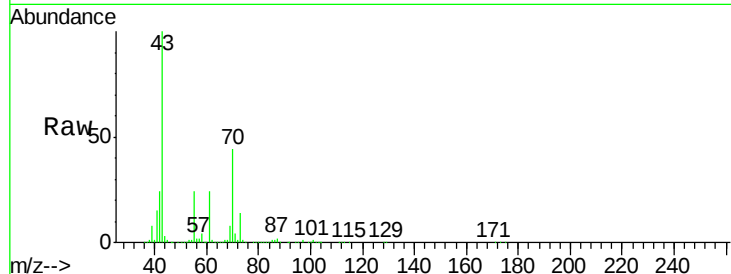
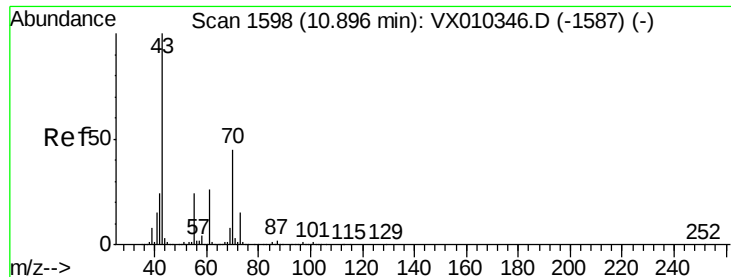
120 27.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





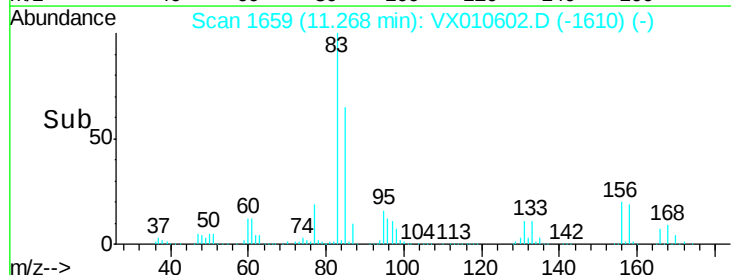
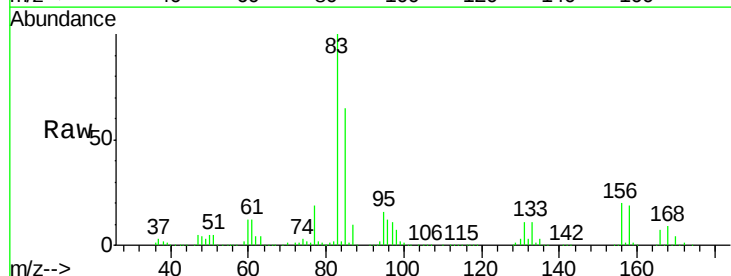
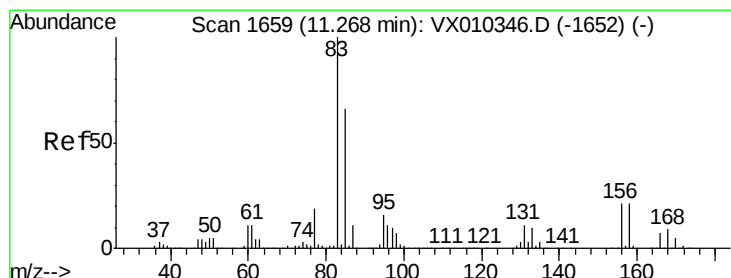
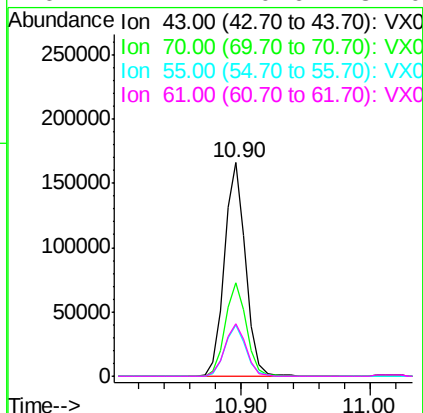
#74
N-amvl acetate
Concen: 46.701 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		191688		
70	44.0	36.6	54.8		
55	24.0	18.7	28.1		
61	24.7	20.6	31.0		

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

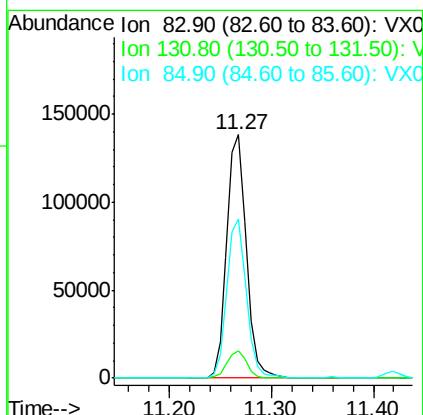
Manual Integrations
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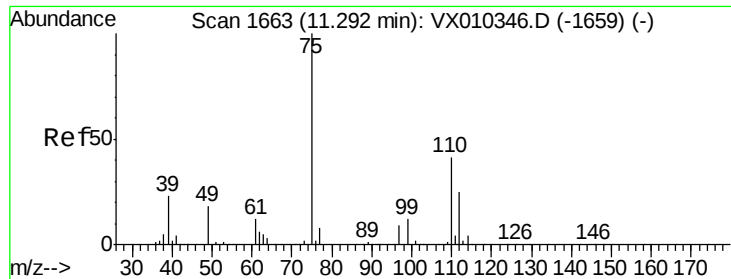
MMDadoda
7/2/2019 9:55:32 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 51.010 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		183475		
131	11.2	5.5	16.4		
85	65.0	32.3	96.8		





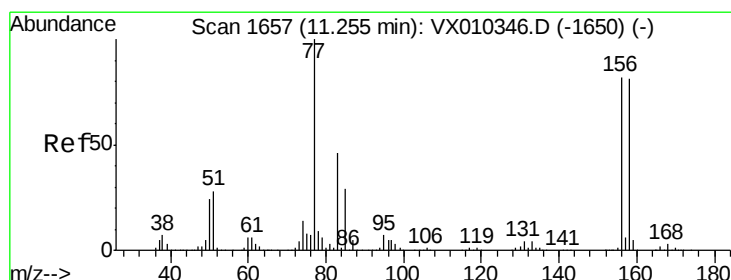
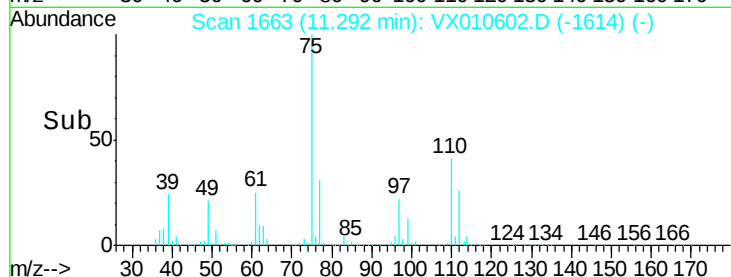
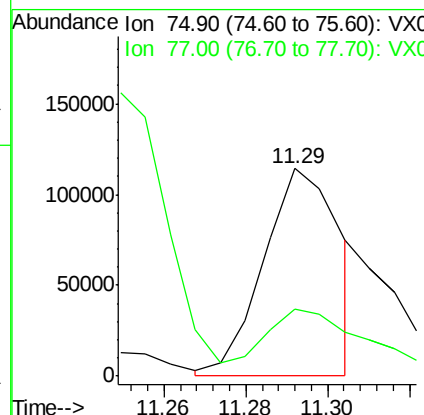
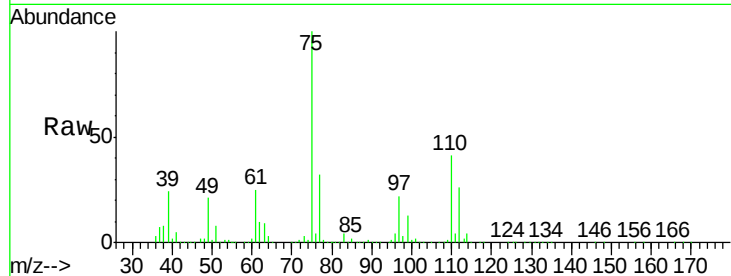
#76
1,2,3-Trichloropropane
Concen: 51.006 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion: 75 Resp: 148919
Ion Ratio Lower Upper
75 100
77 43.4 22.6 67.8

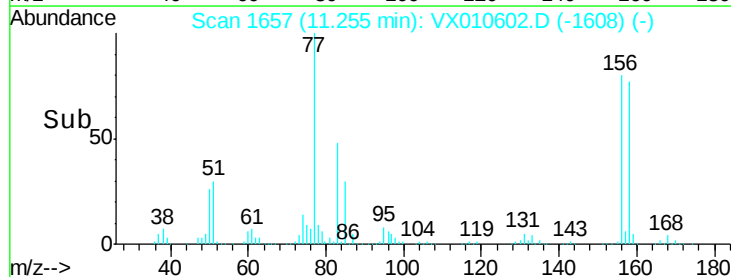
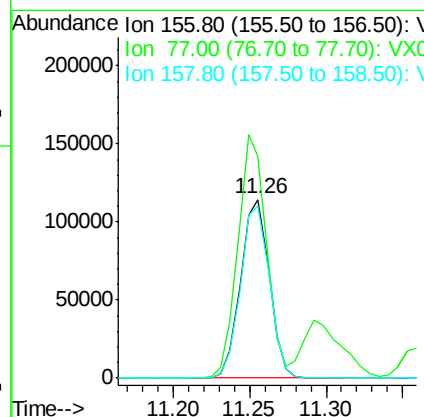
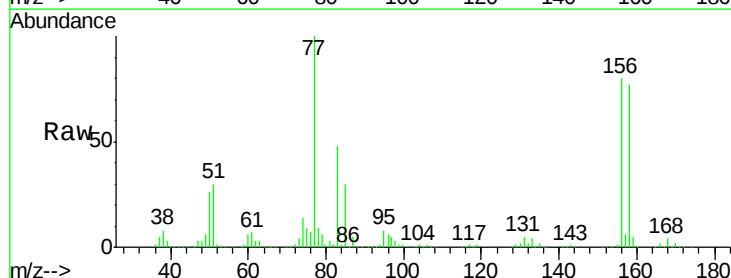
Manual Integrations
APPROVED

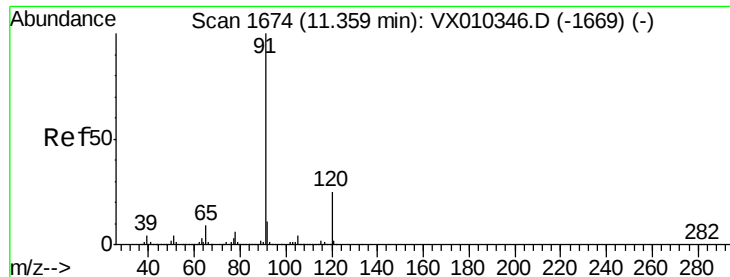
MMDadoda
7/2/2019 9:55:32 AM



#77
Bromobenzene
Concen: 49.044 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion: 156 Resp: 148734
Ion Ratio Lower Upper
156 100
77 135.2 66.3 198.7
158 97.1 48.9 146.7





#78

n-propylbenzene

Concen: 50.020 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampled :

PK-10IMSD

Tot Ion: 91 Resp: 597063

Ion Ratio Lower Upper

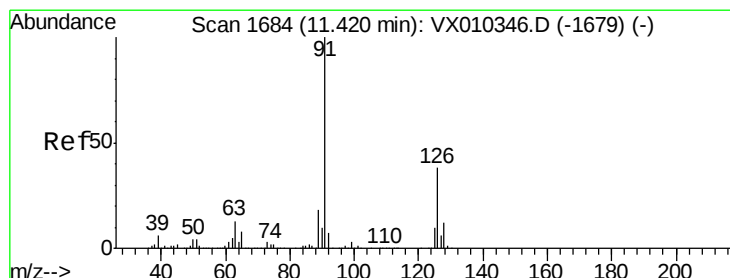
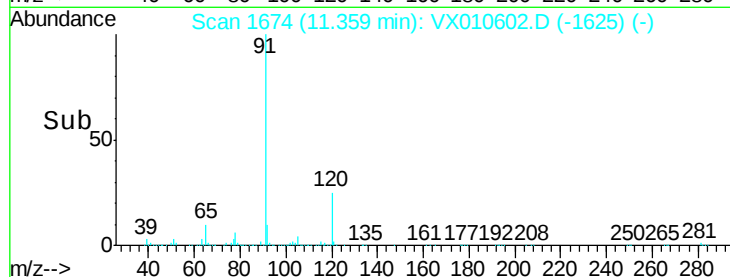
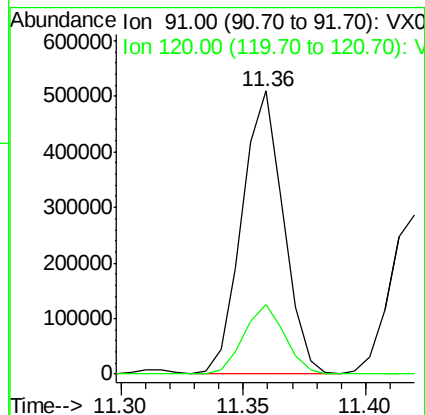
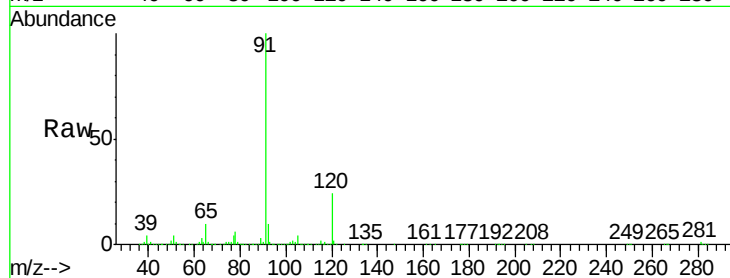
91 100

120 24.5 12.4 37.4

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#79

2-Chlorotoluene

Concen: 49.724 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010602.D

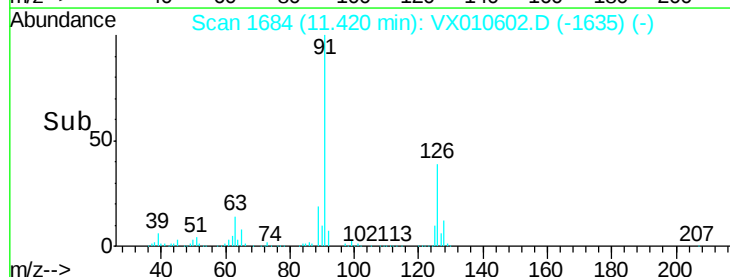
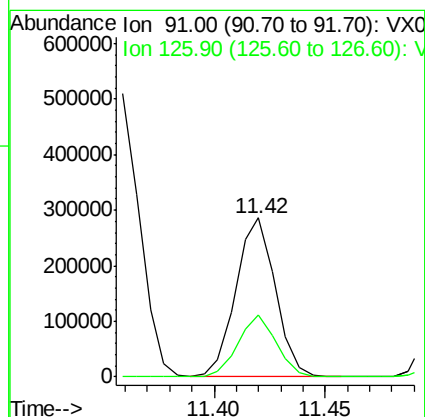
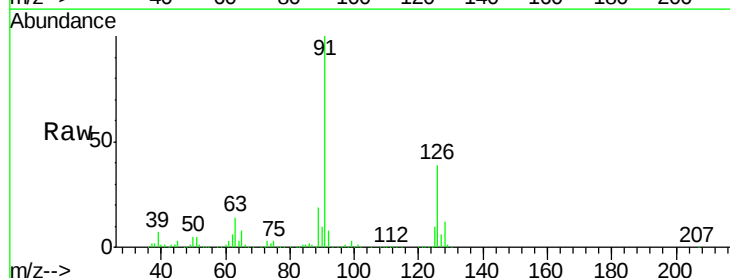
Acq: 01 Jul 2019 19:38

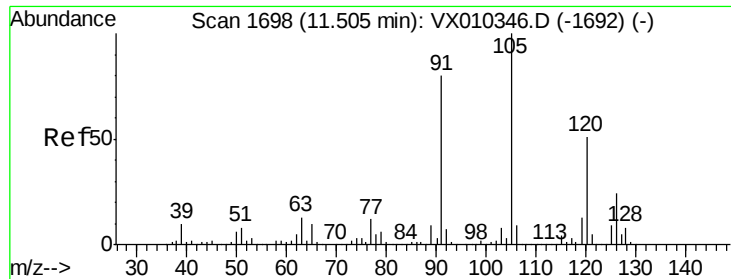
Tgt Ion: 91 Resp: 353434

Ion Ratio Lower Upper

91 100

126 37.4 18.7 56.1





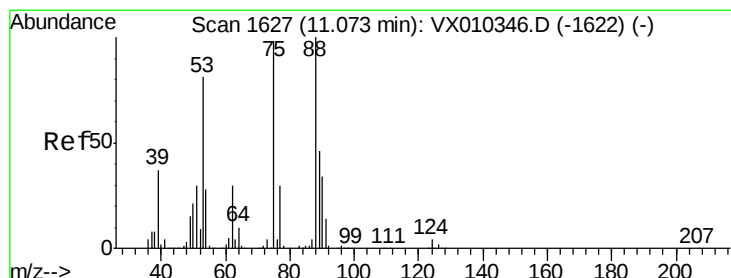
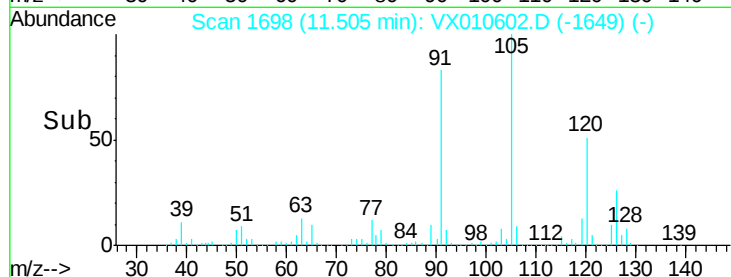
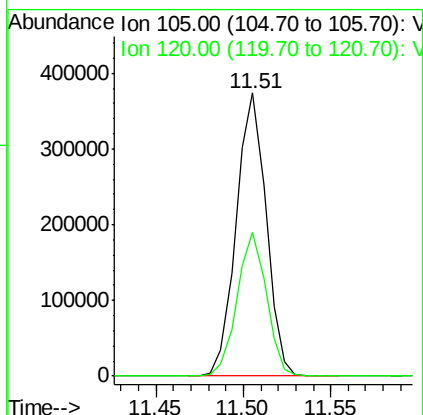
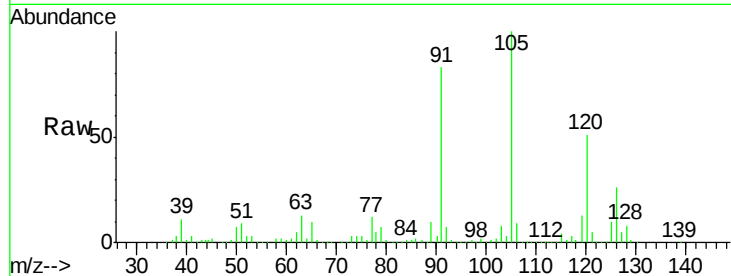
#80
 1,3,5-Trimethylbenzene
 Concen: 49.737 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMSD

Tot Ion:105 Resp: 445319
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.2 75.6

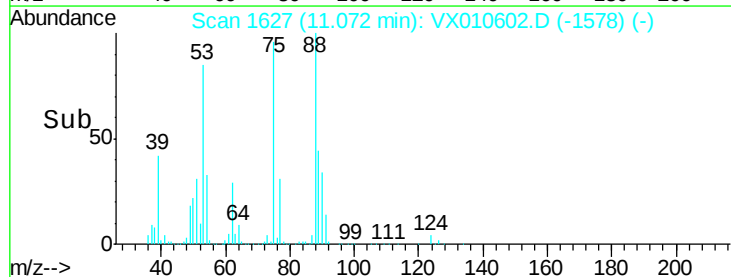
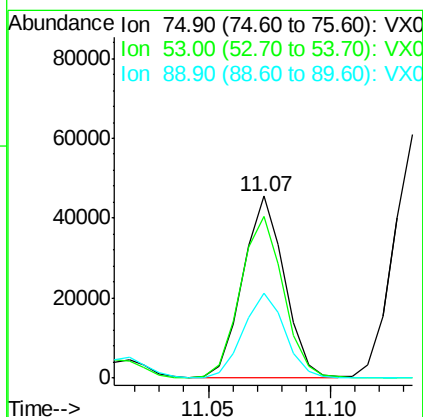
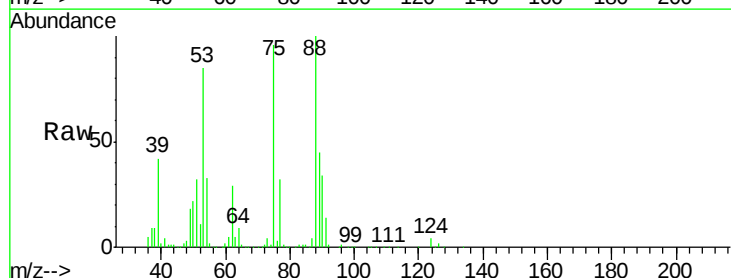
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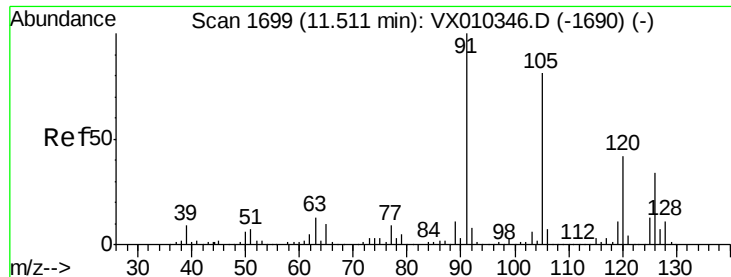
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.726 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion: 75 Resp: 53472
 Ion Ratio Lower Upper
 75 100
 53 92.0 66.1 99.1
 89 47.3 37.8 56.6





#82

4-Chlorotoluene

Concen: 50.553 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampleId :

PK-10IMSD

Tot Ion: 91 Resp: 408880

Ion Ratio Lower Upper

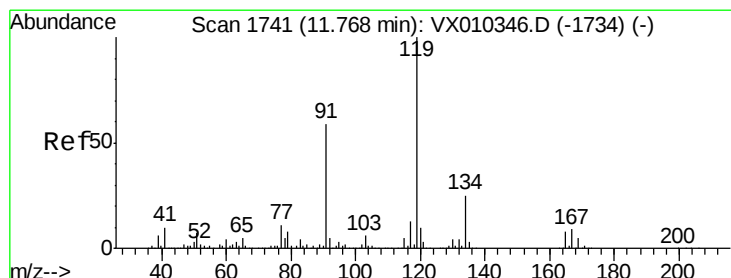
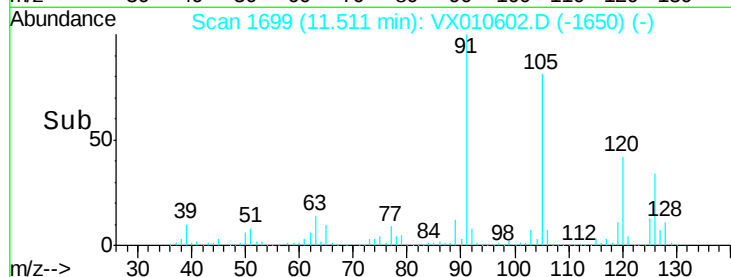
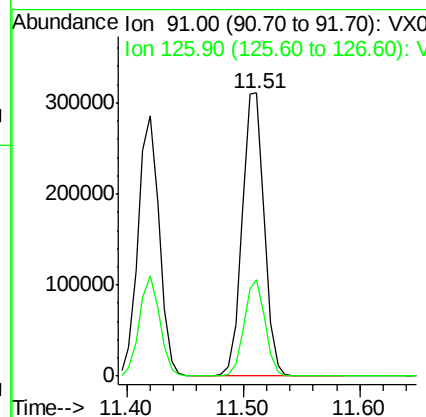
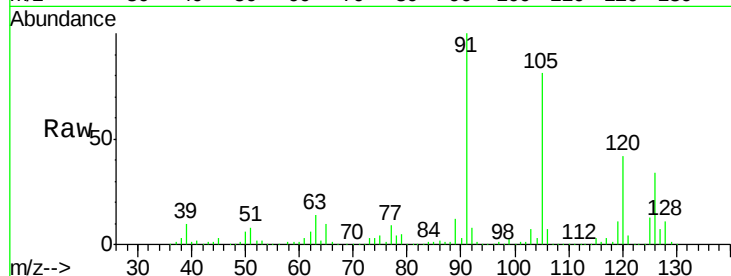
91 100

126 32.3 16.2 48.6

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#83

tert-Butylbenzene

Concen: 50.128 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

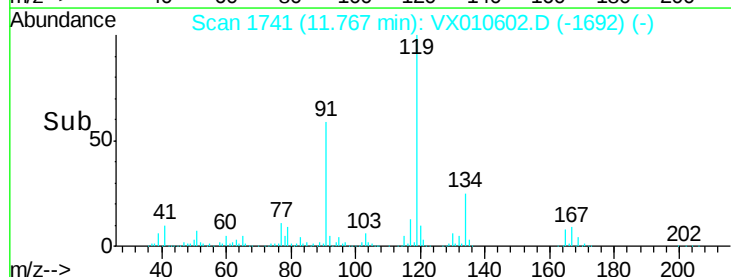
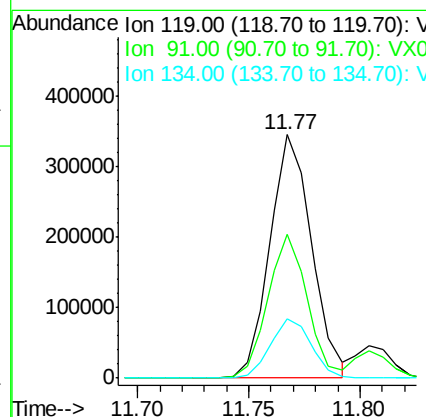
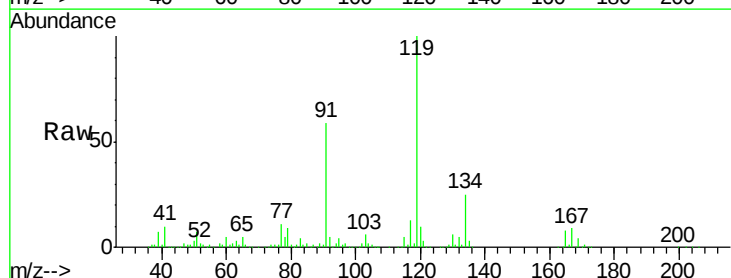
Tgt Ion: 119 Resp: 450477

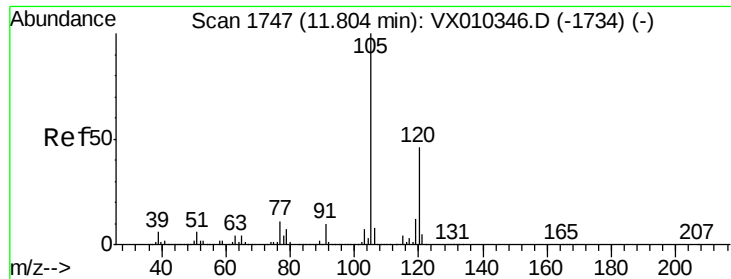
Ion Ratio Lower Upper

119 100

91 55.7 27.6 82.7

134 23.9 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 49.962 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

ClientSampled :

PK-10IMSD

Tot Ion:105 Resp: 449432

Ion Ratio Lower Upper

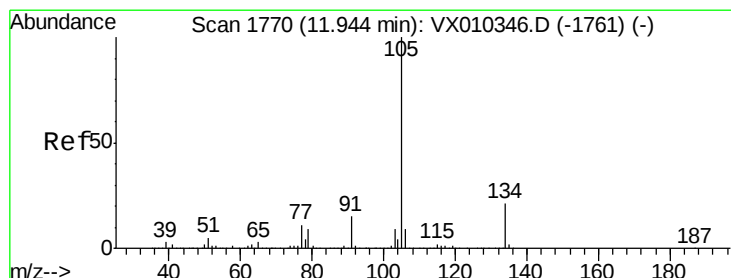
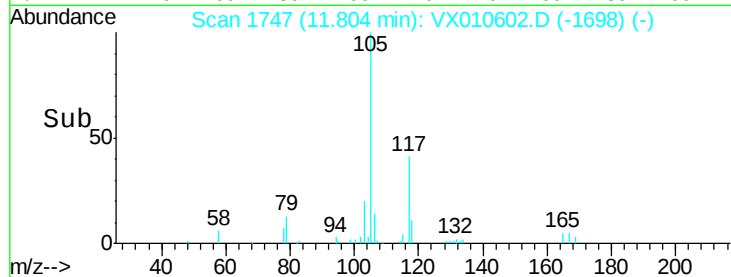
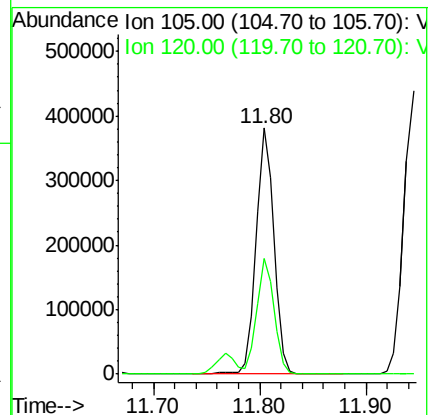
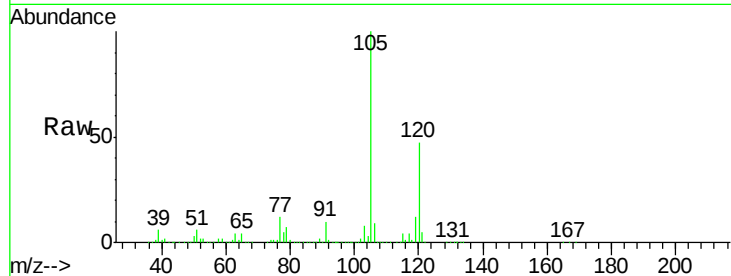
105 100

120 45.4 23.1 69.2

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#85

sec-Butylbenzene

Concen: 50.018 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010602.D

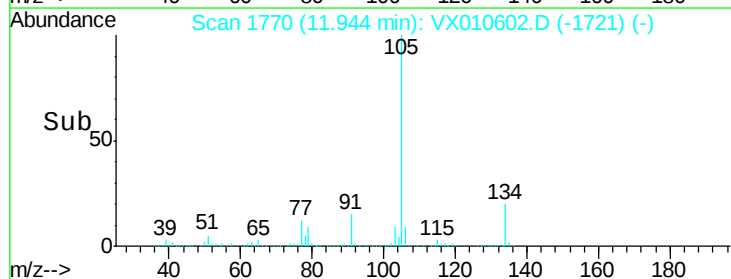
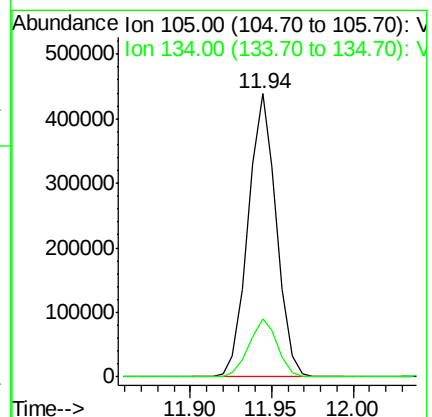
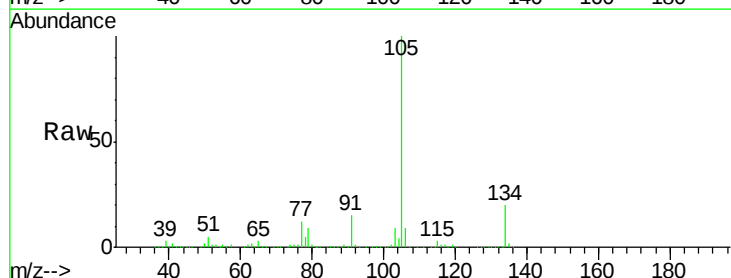
Acq: 01 Jul 2019 19:38

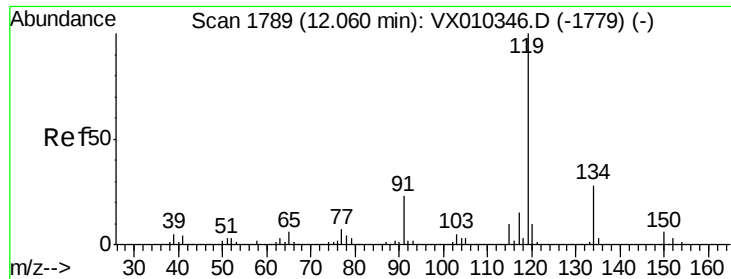
Tgt Ion:105 Resp: 527759

Ion Ratio Lower Upper

105 100

134 20.7 10.7 31.9





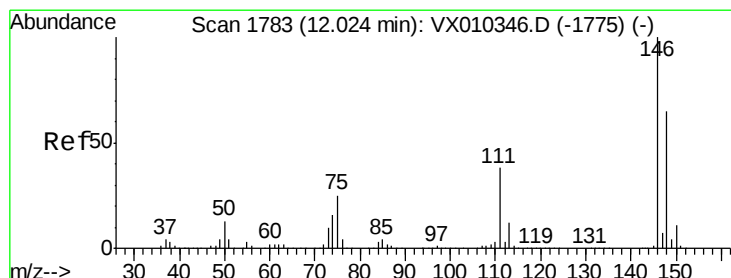
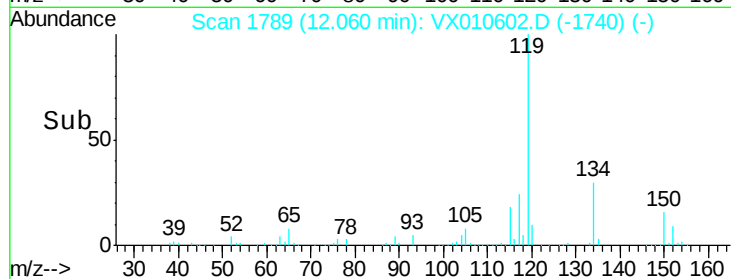
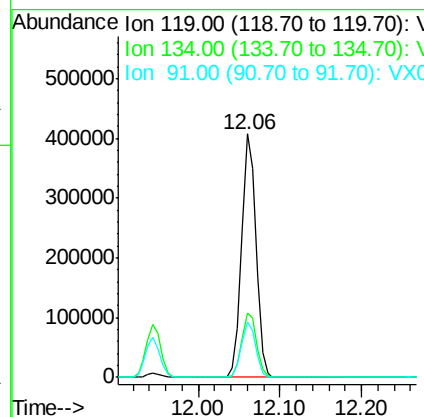
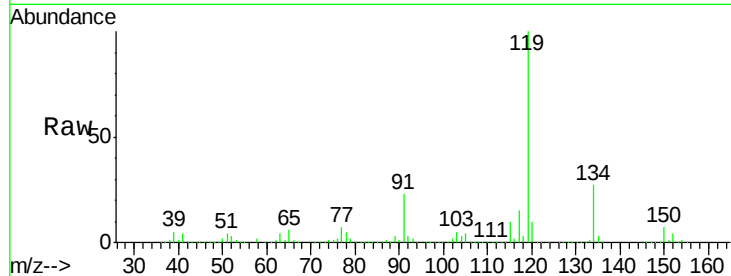
#86
 p-Isopropyltoluene
 Concen: 49.935 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampled :
 PK-10IMSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.7	41.1
91	22.6	11.3	33.8

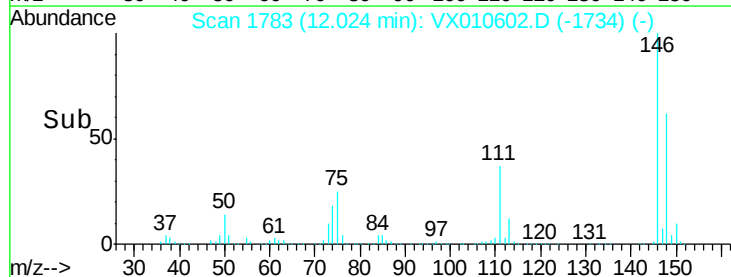
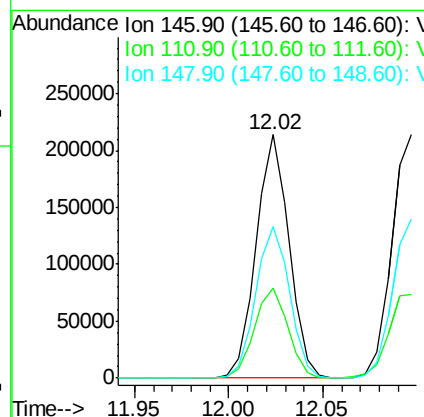
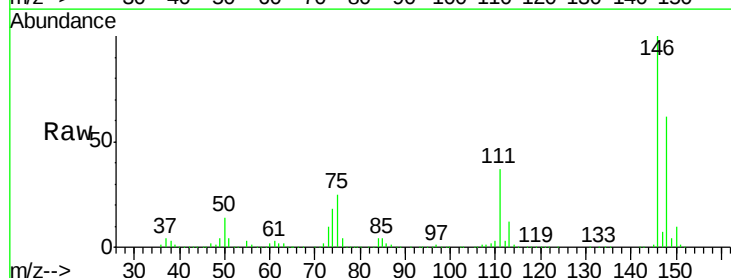
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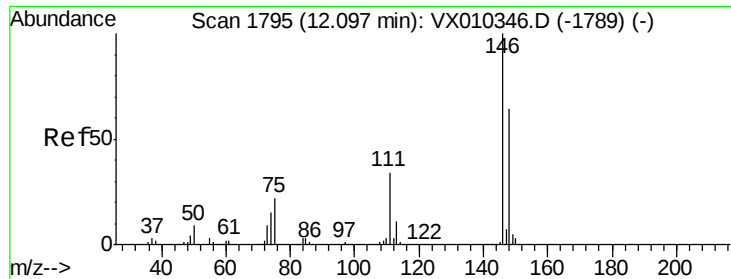
MMDadoda
 7/2/2019 9:55:32 AM



#87
 1,3-Dichlorobenzene
 Concen: 48.790 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.1	32.5	97.4





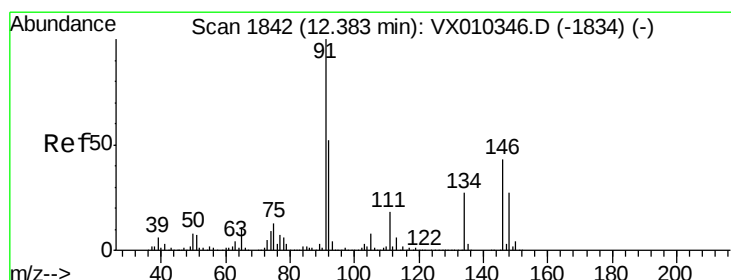
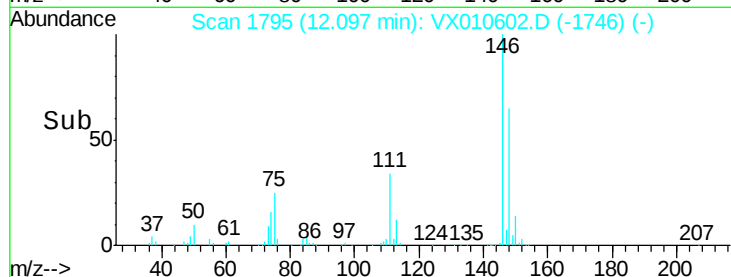
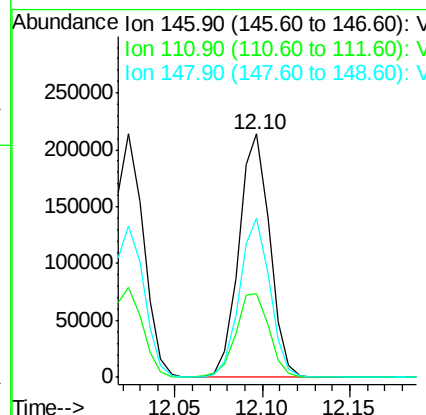
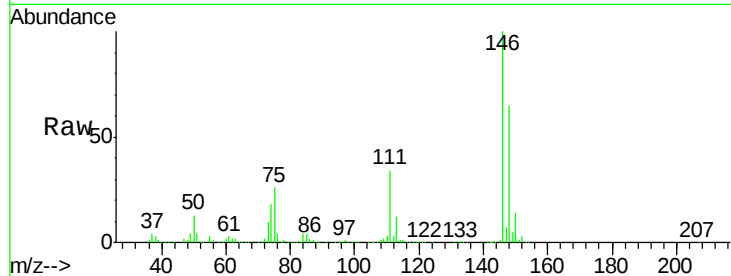
#88
 1,4-Dichlorobenzene
 Concen: 48.527 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampled :
 PK-10IMSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.3
148	64.6	32.1	96.3

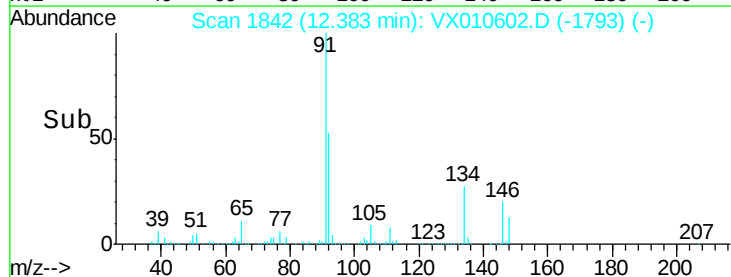
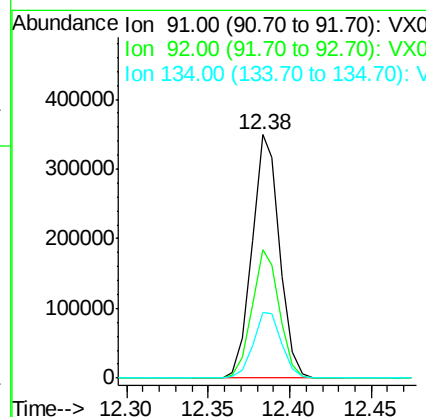
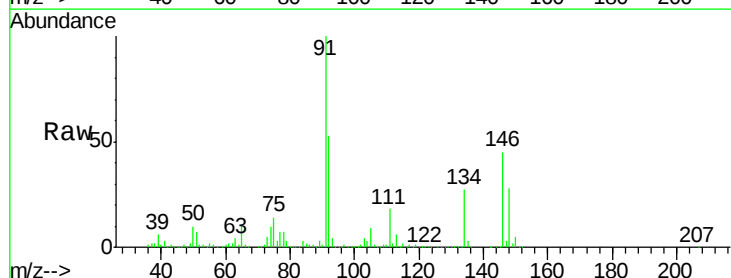
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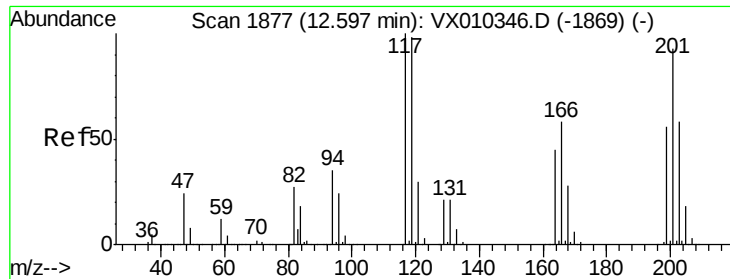
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#89
 n-Butylbenzene
 Concen: 49.427 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	27.8	14.1	42.4





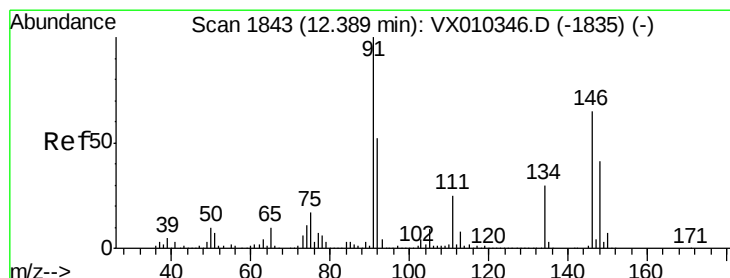
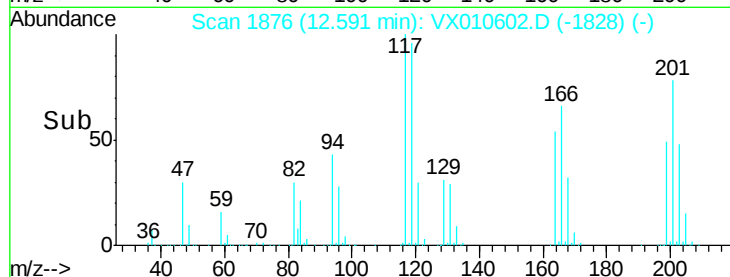
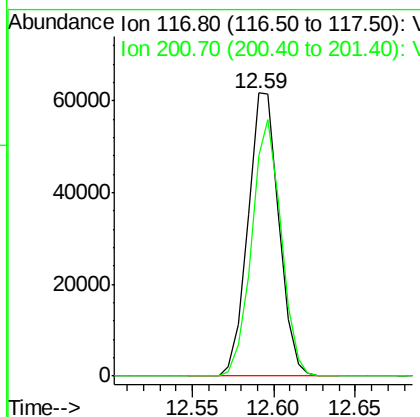
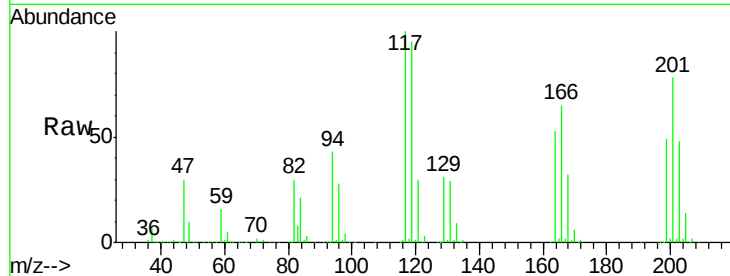
#90
Hexachloroethane
Concen: 48.515 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Instrument :
MSVOA_X
ClientSampleId :
PK-10IMSD

Tot Ion:117 Resp: 81872
Ion Ratio Lower Upper
117 100
201 86.0 44.0 131.8

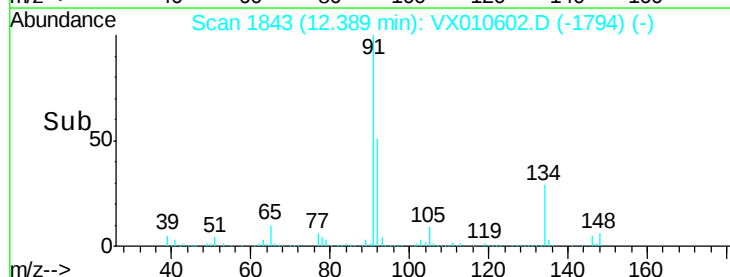
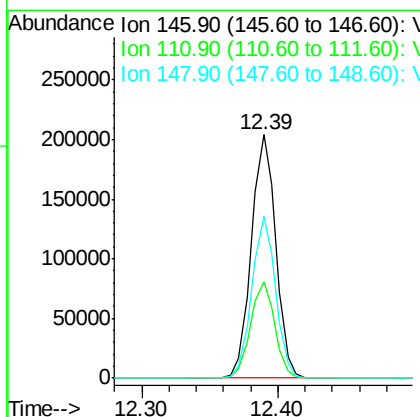
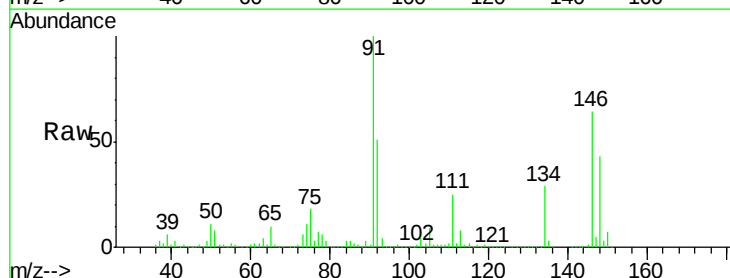
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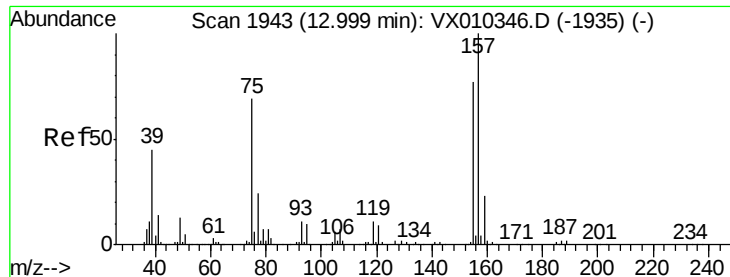
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#91
1,2-Dichlorobenzene
Concen: 49.016 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX010602.D
Acq: 01 Jul 2019 19:38

Tgt Ion:146 Resp: 257888
Ion Ratio Lower Upper
146 100
111 39.1 19.2 57.6
148 64.5 32.0 96.0





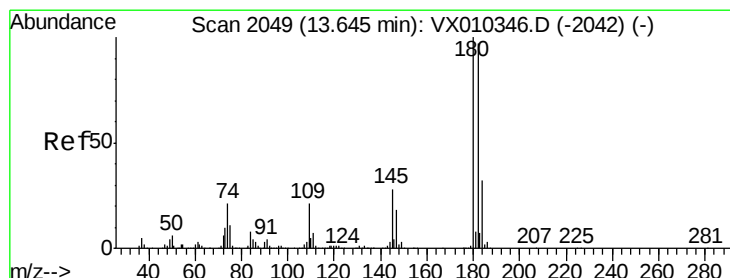
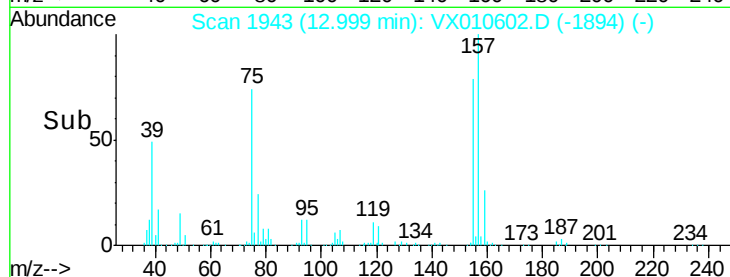
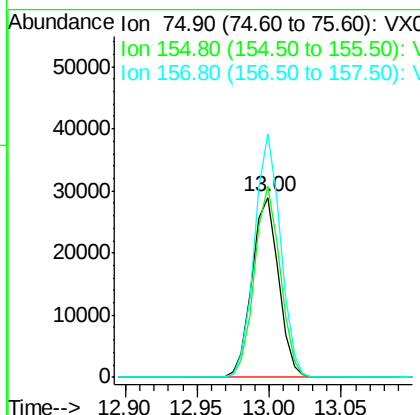
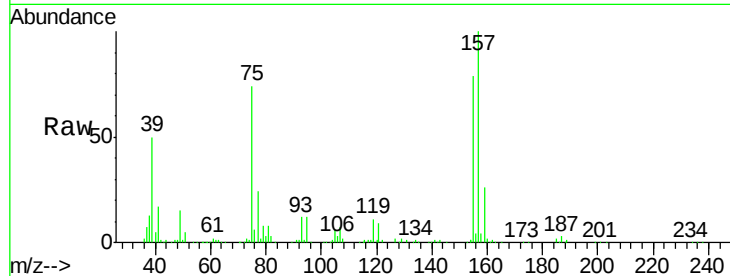
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.374 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampled :
 PK-10IMSD

Tot Ion: 75 Resp: 36738
 Ion Ratio Lower Upper
 75 100
 155 102.7 54.4 163.1
 157 131.9 69.5 208.3

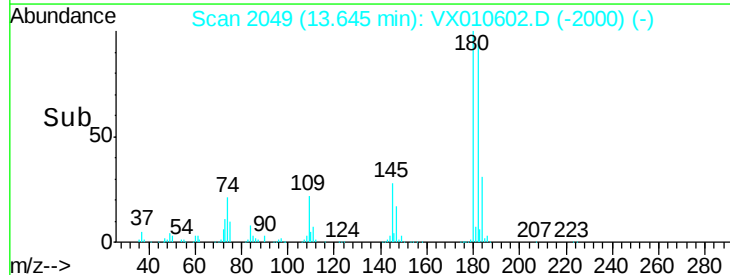
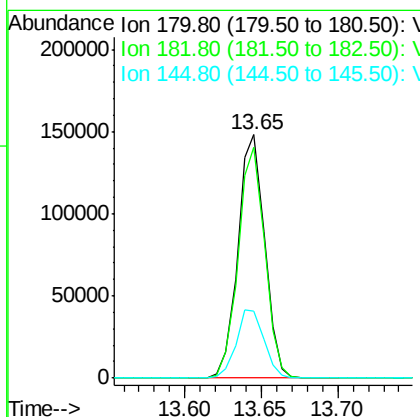
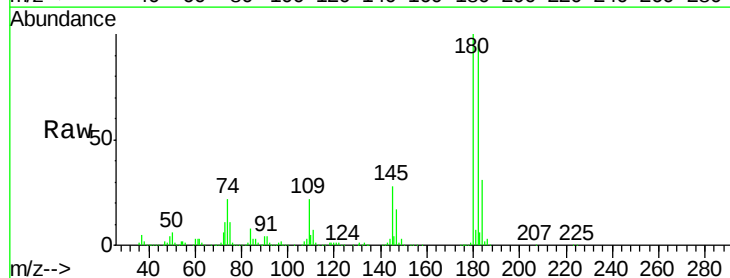
Manual Integrations
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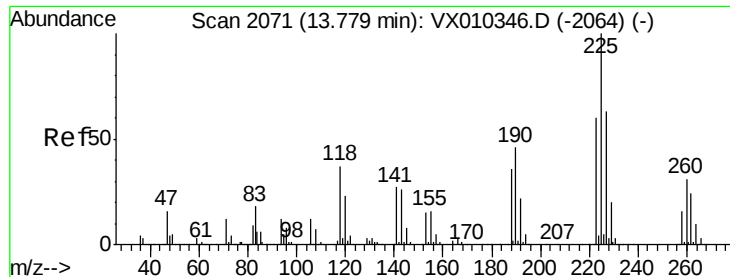
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 49.060 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Tgt Ion:180 Resp: 179000
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.0 144.0
 145 29.2 14.4 43.4





#94

Hexachlorobutadiene

Concen: 45.765 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

Instrument :

MSVOA_X

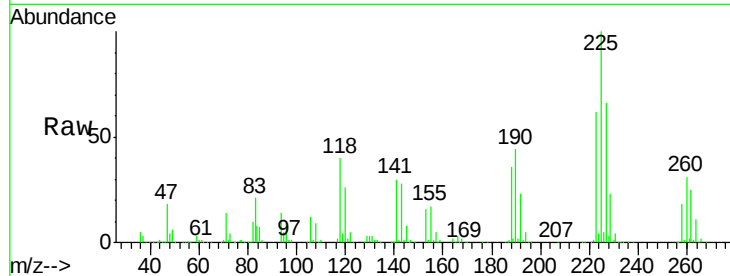
ClientSampled :

PK-10IMSD

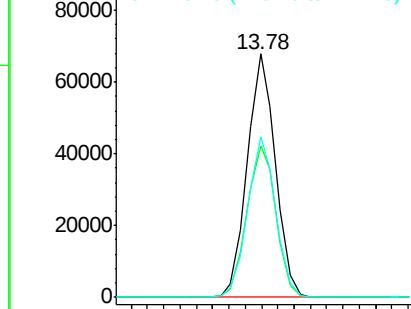
Tot Ion:	225	Resp:	81608
Ion Ratio		Lower	Upper
225	100		
223	64.0	30.9	92.7
227	65.3	31.9	95.5

Manual Integrations
APPROVED

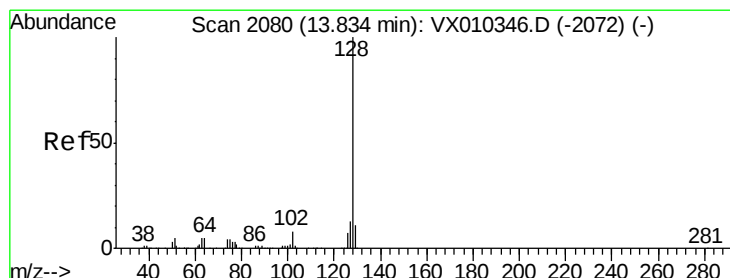
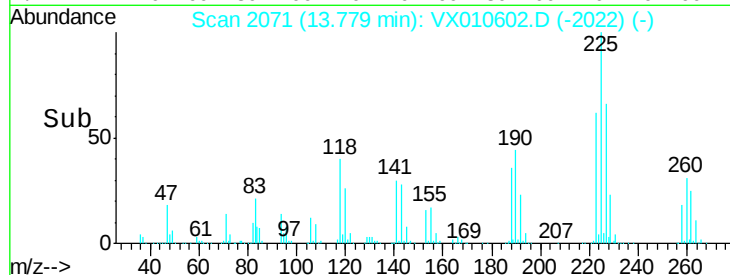
MMDadoda
7/2/2019 9:55:32 AM



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



Time--> 13.70 13.75 13.80 13.85



#95

Naphthalene

Concen: 49.918 ug/l

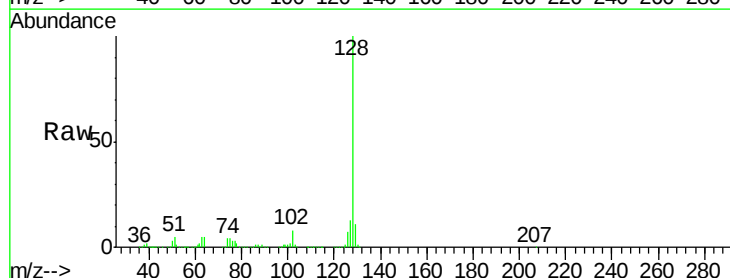
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

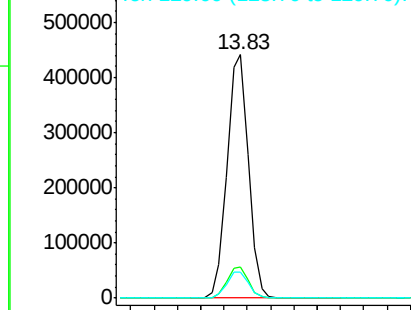
Lab File: VX010602.D

Acq: 01 Jul 2019 19:38

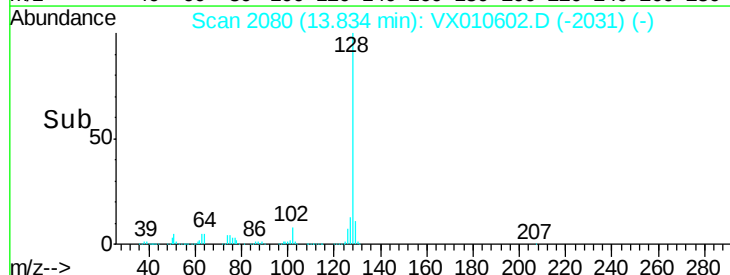
Tgt Ion:	128	Resp:	559704
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

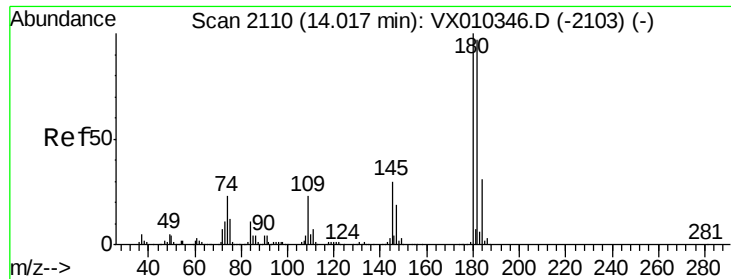


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 13.80 13.90





#96
 1,2,3-Trichlorobenzene
 Concen: 49.530 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX010602.D
 Acq: 01 Jul 2019 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.0	47.8	143.3
145	30.6	15.2	45.6

Manual Integrations
 APPROVED

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 7/2/2019 9:55:32 AM

