

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031319\
 Data File : VX008040.D
 Acq On : 13 Mar 2019 11:19
 Operator : JC/SP
 Sample : VX0313MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:17:50 AM

Quant Time: Mar 13 12:07:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	116180	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.51	113	103609	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	8.71	98	396102	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	140776	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	32483	16.626	ug/l	99
3) Chloromethane	1.33	50	41572	16.511	ug/l	99
4) Vinyl Chloride	1.41	62	43476	17.378	ug/l	100
5) Bromomethane	1.64	94	22943	18.839	ug/l	100
6) Chloroethane	1.73	64	27738	16.690	ug/l	98
7) Trichlorofluoromethane	1.93	101	54456	16.719	ug/l	97
8) Diethyl Ether	2.19	74	24218	17.170	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34885	17.283	ug/l	98
10) Methyl Iodide	2.51	142	51238	17.893	ug/l	96
11) Tert butyl alcohol	3.07	59	47527	88.095	ug/l	100
12) 1,1-Dichloroethene	2.38	96	33505	17.220	ug/l	93
13) Acrolein	2.30	56	23397	77.704	ug/l	98
14) Allyl chloride	2.73	41	64646	15.812	ug/l	99
15) Acrylonitrile	3.15	53	114837	84.331	ug/l	100
16) Acetone	2.45	43	102693	73.546	ug/l	98
17) Carbon Disulfide	2.57	76	94358	15.661	ug/l	99
18) Methyl Acetate	2.78	43	52814	17.804	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	121837	18.202	ug/l	98
20) Methylene Chloride	2.86	84	38646	17.390	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	36401	17.003	ug/l	97
22) Diisopropyl ether	3.87	45	136738	18.245	ug/l	98
23) Vinyl Acetate	3.82	43	573509	87.263	ug/l	99
24) 1,1-Dichloroethane	3.70	63	71687	17.774	ug/l	98
25) 2-Butanone	4.70	43	176533	89.301	ug/l	98
26) 2,2-Dichloropropane	4.59	77	50331	18.836	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	45555	18.595	ug/l	98
28) Bromochloromethane	5.02	49	33669	17.906	ug/l	97
29) Tetrahydrofuran	5.15	42	113475	92.026	ug/l	98
30) Chloroform	5.21	83	71795	18.818	ug/l	98
31) Cyclohexane	5.57	56	67289	18.153	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	59684	18.855	ug/l	98
36) 1,1-Dichloropropene	5.80	75	54234	17.989	ug/l	99
37) Ethyl Acetate	4.85	43	63756	17.820	ug/l	99
38) Carbon Tetrachloride	5.78	117	51040	17.832	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65910	18.041	ug/l	96
40) Benzene	6.14	78	170080	18.949	ug/l	100
41) Methacrylonitrile	5.06	41	36294	18.606	ug/l	99
42) 1,2-Dichloroethane	6.20	62	55256	18.825	ug/l	99
43) Isopropyl Acetate	6.46	43	97638	18.440	ug/l	99
44) Trichloroethene	7.21	130	46774	18.910	ug/l	95
45) 1,2-Dichloropropane	7.51	63	45106	19.027	ug/l	100
46) Dibromomethane	7.66	93	28042	18.692	ug/l	98
47) Bromodichloromethane	7.90	83	51132	17.976	ug/l	97
48) Methyl methacrylate	7.77	41	51019	18.327	ug/l	97
49) 1,4-Dioxane	7.75	88	21996	384.630	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	329712	96.825	ug/l	99
52) Toluene	8.78	92	106440	19.424	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54787	18.454	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	62927	18.770	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	44115	19.887	ug/l	99
56) Ethyl methacrylate	9.18	69	66499	19.966	ug/l	97
57) 1,3-Dichloropropane	9.37	76	72507	19.467	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	176446	102.414	ug/l	99
59) 2-Hexanone	9.49	43	252987	95.692	ug/l	100
60) Dibromochloromethane	9.58	129	42024	18.124	ug/l	99
61) 1,2-Dibromoethane	9.67	107	45673	19.392	ug/l	99
64) Tetrachloroethene	9.34	164	47114	19.069	ug/l	99
65) Chlorobenzene	10.13	112	117881	18.895	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	42333	18.932	ug/l	99
67) Ethyl Benzene	10.25	91	198606	19.339	ug/l	98
68) m/p-Xylenes	10.36	106	152242	38.460	ug/l	99
69) o-Xylene	10.69	106	75497	19.755	ug/l	98
70) Styrene	10.71	104	122906	19.653	ug/l	100
71) Bromoform	10.85	173	32863	17.114	ug/l #	98
73) Isopropylbenzene	11.02	105	200416	19.774	ug/l	100
74) N-amyl acetate	10.90	43	85496	18.477	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	64776	18.528	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	55235m	17.564	ug/l	
77) Bromobenzene	11.26	156	53996	19.431	ug/l	97
78) n-propylbenzene	11.36	91	219588	19.529	ug/l	100
79) 2-Chlorotoluene	11.42	91	132372	19.254	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	165726	19.866	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17060	17.341	ug/l	94
82) 4-Chlorotoluene	11.51	91	150027	19.042	ug/l	99
83) tert-Butylbenzene	11.77	119	161964	19.275	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	168173	19.666	ug/l	100
85) sec-Butylbenzene	11.94	105	195551	19.759	ug/l	100
86) p-Isopropyltoluene	12.06	119	175953	19.852	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	93402	18.999	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	93334	18.539	ug/l	99
89) n-Butylbenzene	12.38	91	147496	19.643	ug/l	99
90) Hexachloroethane	12.60	117	25826	17.428	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	93923	19.232	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12742	17.439	ug/l	94

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Instrument :
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ClientSampleId :
VX0313MBS01

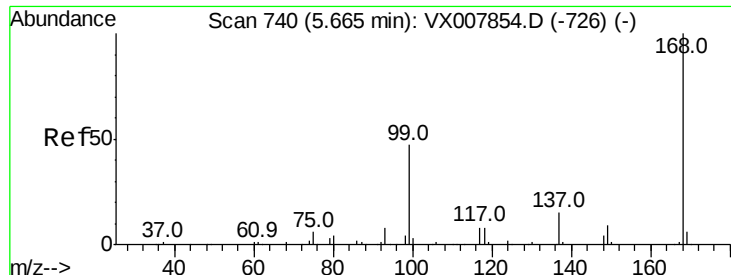
Manual Integrations
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3/14/2019 10:17:50 AM

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QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	65083	18.970	ug/l	99
94) Hexachlorobutadiene	13.78	225	34409	19.183	ug/l	99
95) Naphthalene	13.83	128	196023	19.830	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	64863	18.979	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion:168 Resp: 228685

Ion Ratio Lower Upper

168 100

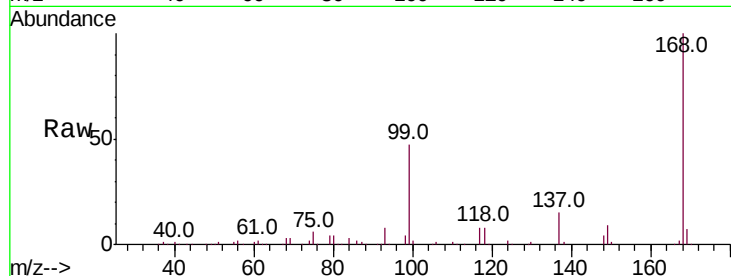
99 47.3 37.6 56.4

Manual Integrations

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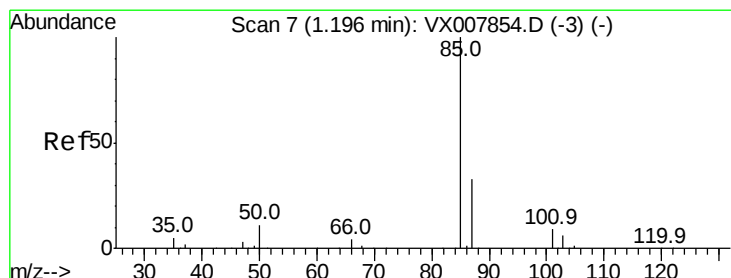
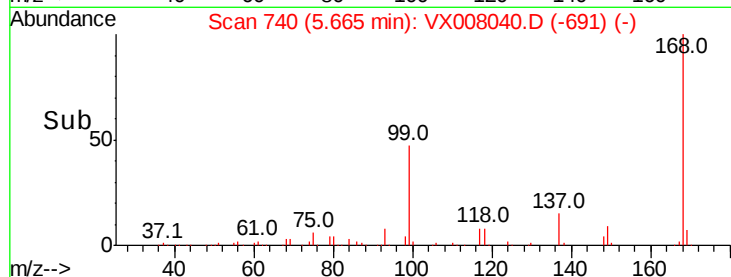
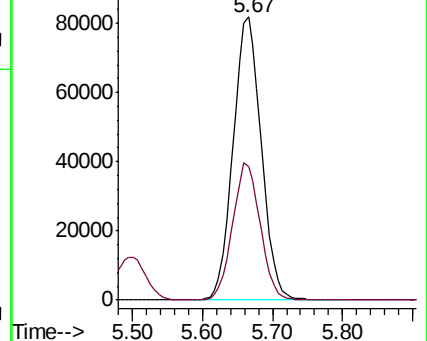
MMDadoda

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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: 16.626 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008040.D

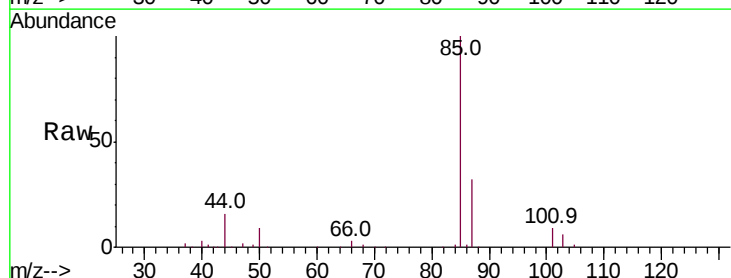
Acq: 13 Mar 2019 11:19

Tgt Ion: 85 Resp: 32483

Ion Ratio Lower Upper

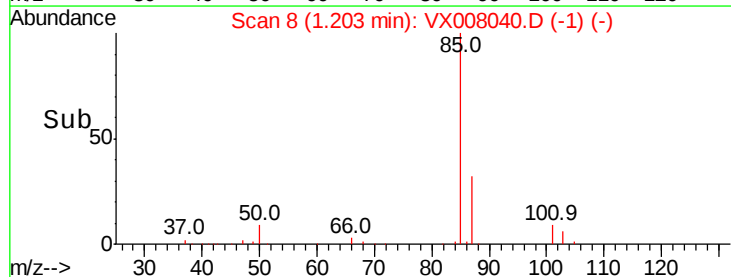
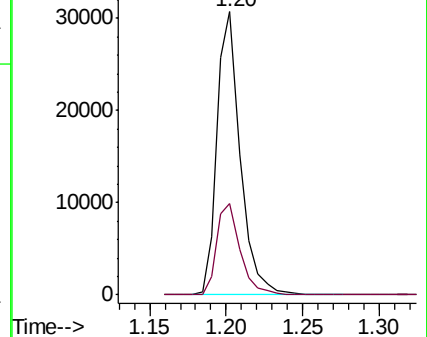
85 100

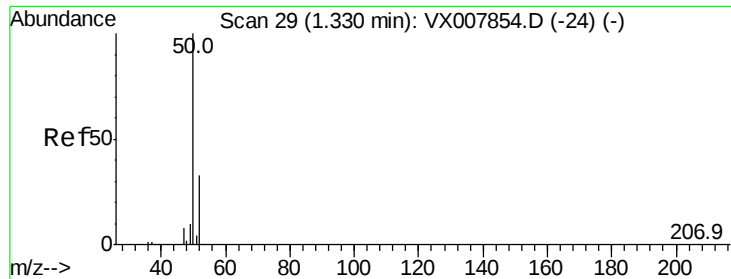
87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.511 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 50 Resp: 41572

Ion Ratio Lower Upper

50 100

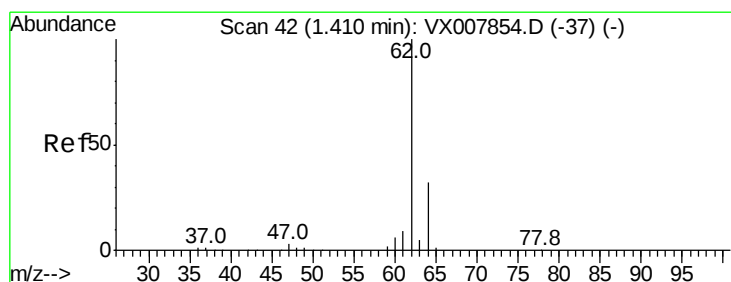
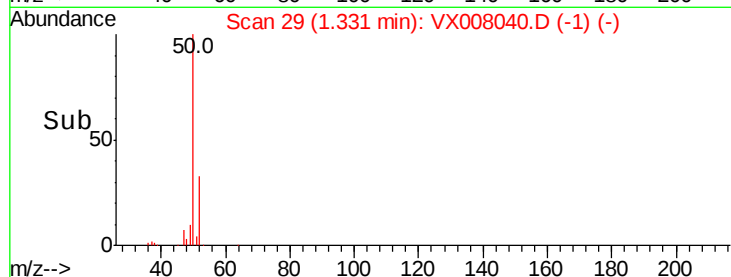
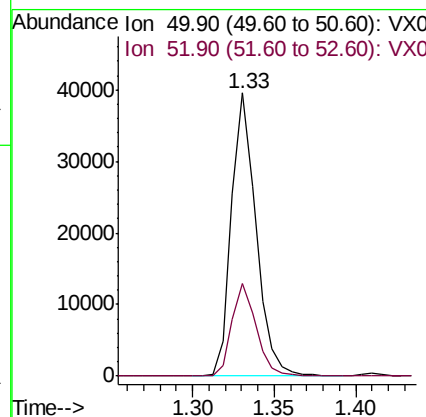
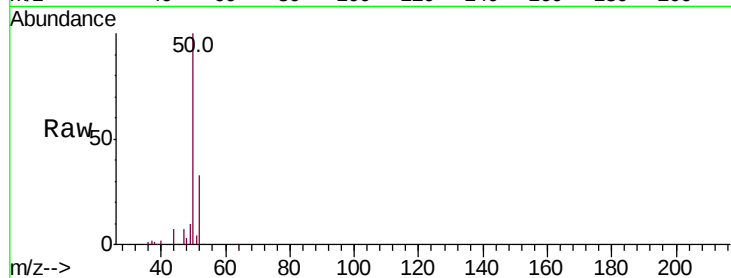
52 32.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.378 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008040.D

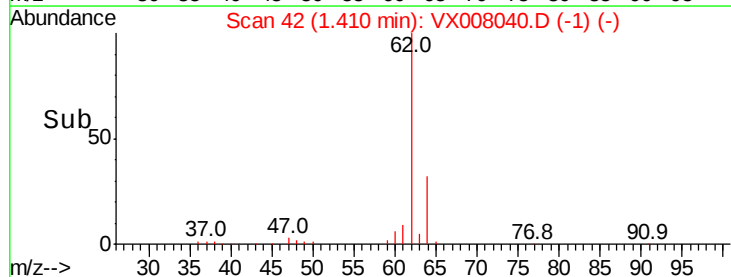
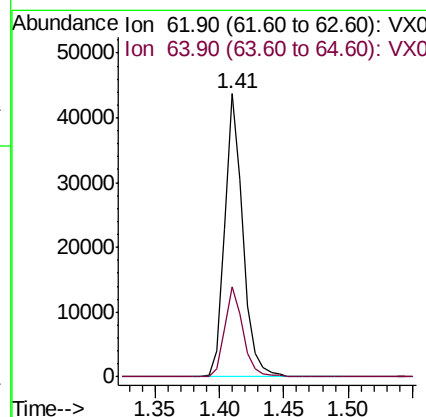
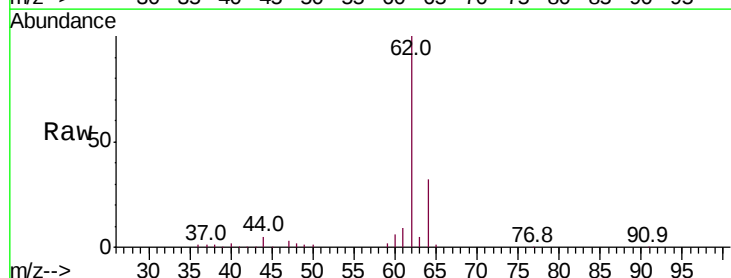
Acq: 13 Mar 2019 11:19

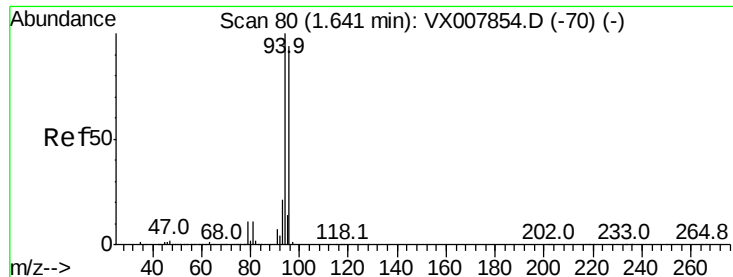
Tgt Ion: 62 Resp: 43476

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 18.839 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 94 Resp: 22943

Ion Ratio Lower Upper

94 100

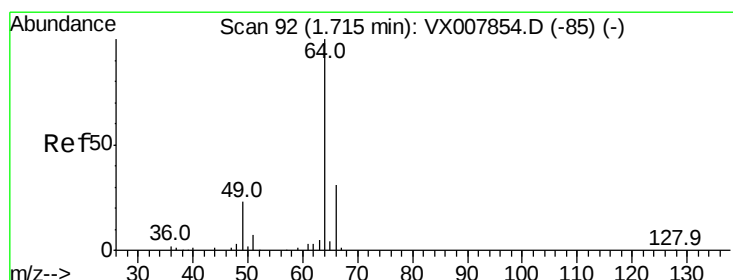
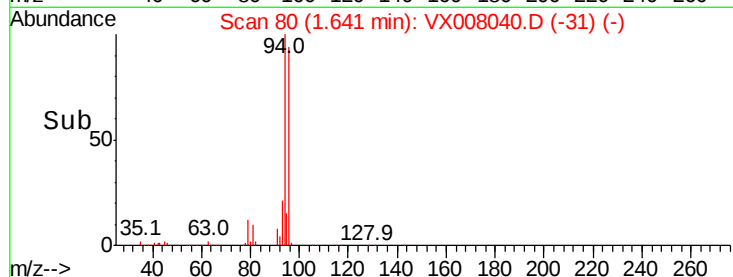
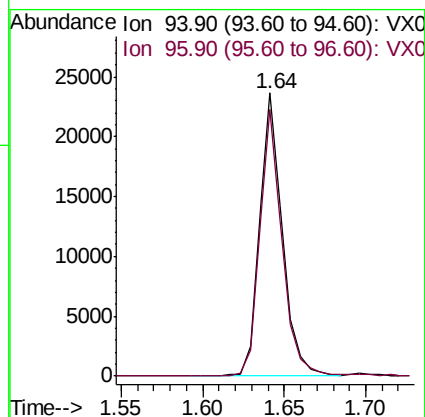
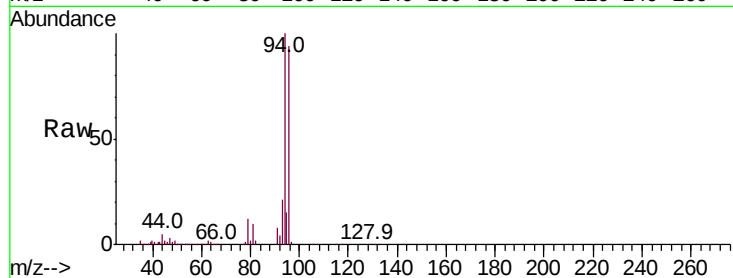
96 94.2 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 16.690 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008040.D

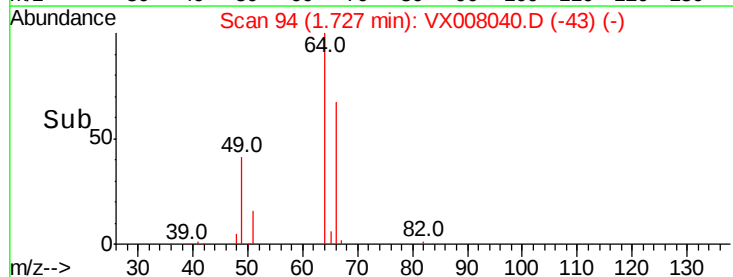
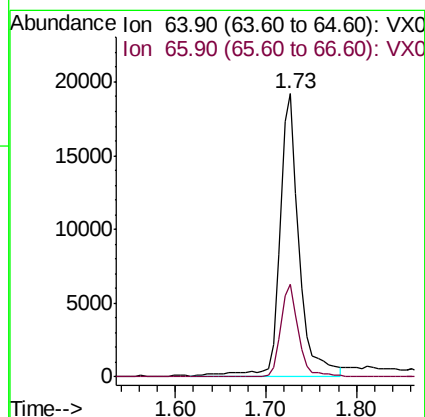
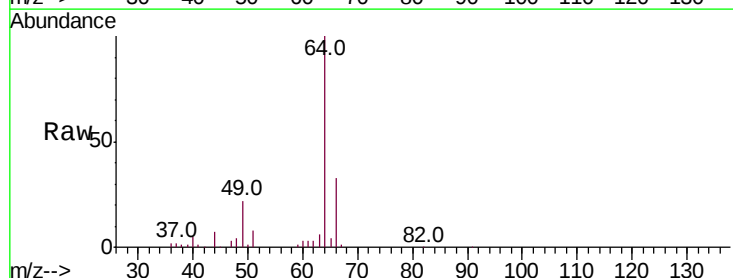
Acq: 13 Mar 2019 11:19

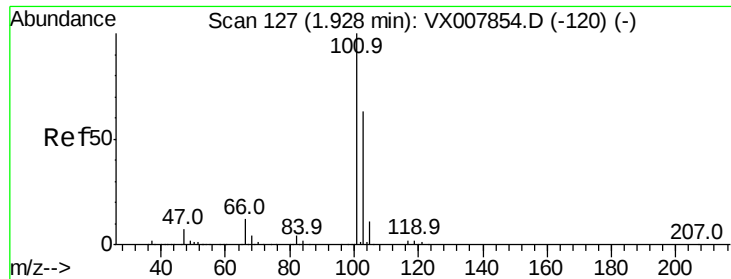
Tgt Ion: 64 Resp: 27738

Ion Ratio Lower Upper

64 100

66 32.8 25.2 37.8





#7

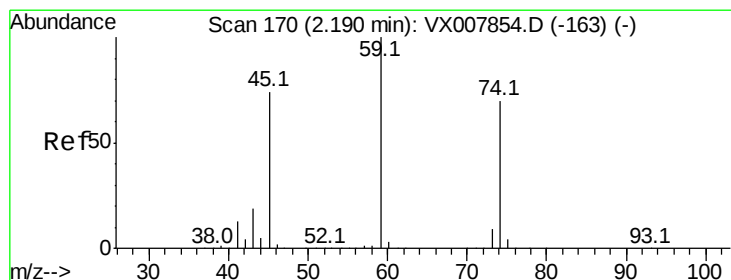
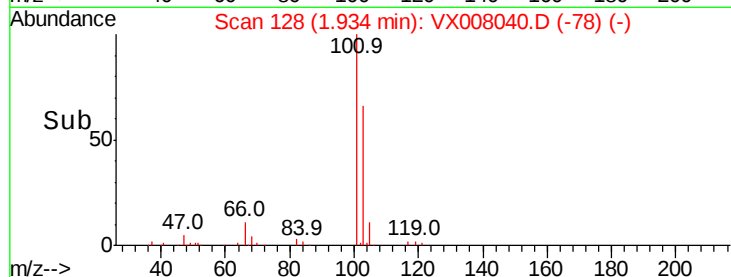
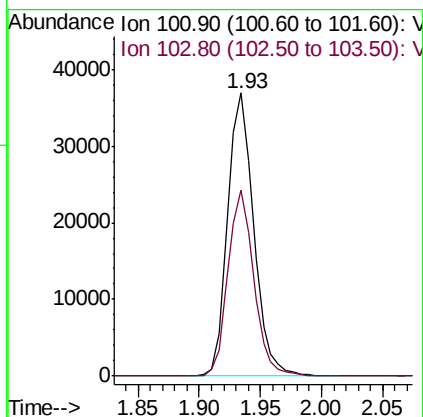
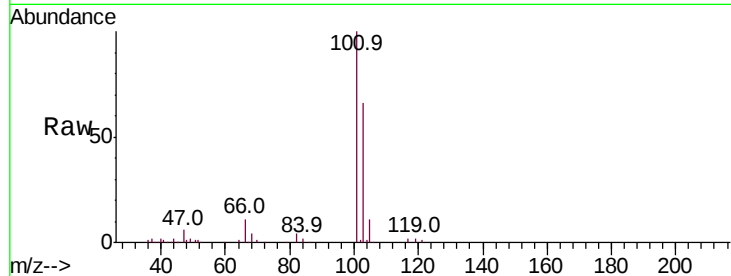
Trichlorofluoromethane
 Concen: 16.719 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Instrument :
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 ClientSampleId :
 VX0313MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.4	75.6

Manual Integrations
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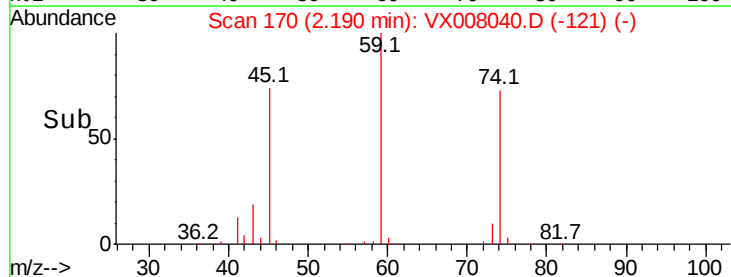
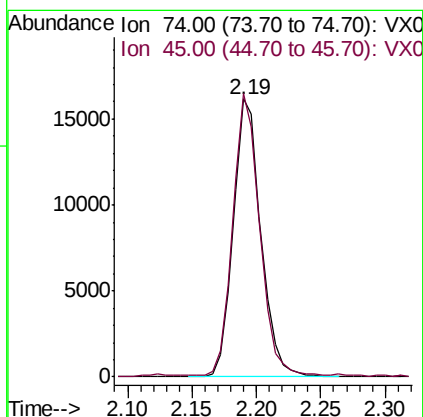
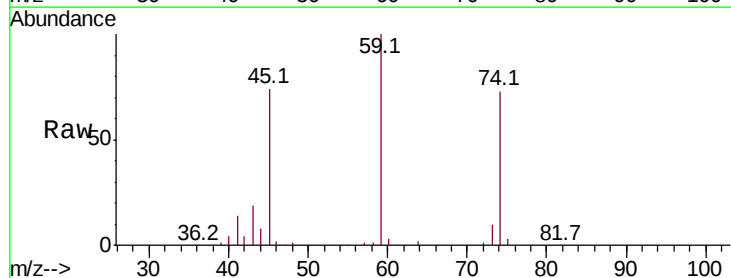
MMDadoda
 3/14/2019 10:17:50 AM

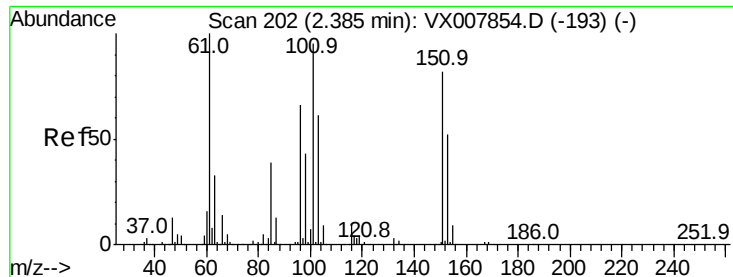


#8

Diethyl Ether
 Concen: 17.170 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.283 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

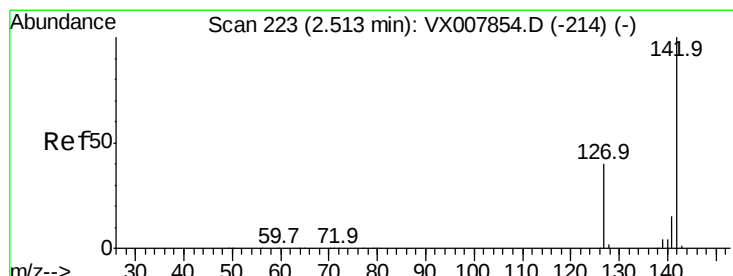
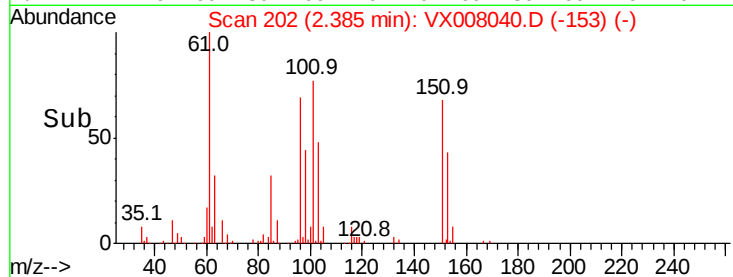
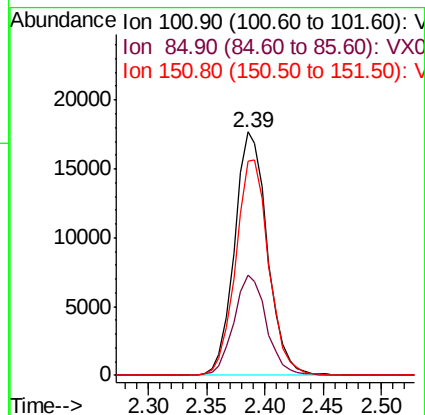
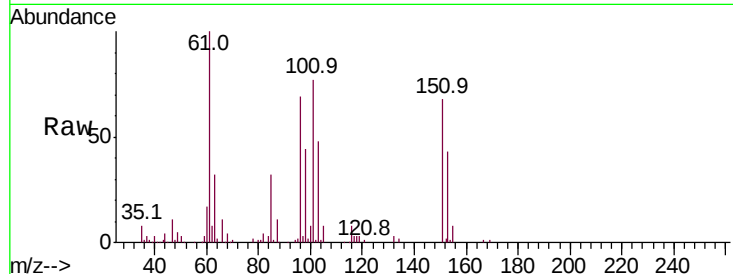
ClientSampleId :

VX0313MBS01

Tot Ion:	101	Resp:	34885
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.8	50.6
151	88.6	69.1	103.7

Manual Integrations
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3/14/2019 10:17:50 AM



#10

Methyl Iodide

Concen: 17.893 ug/l

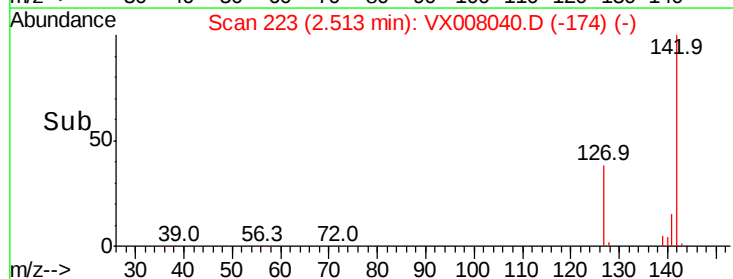
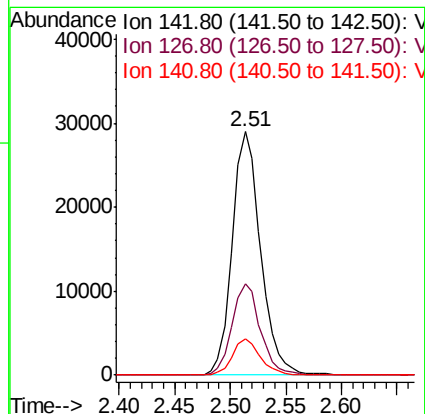
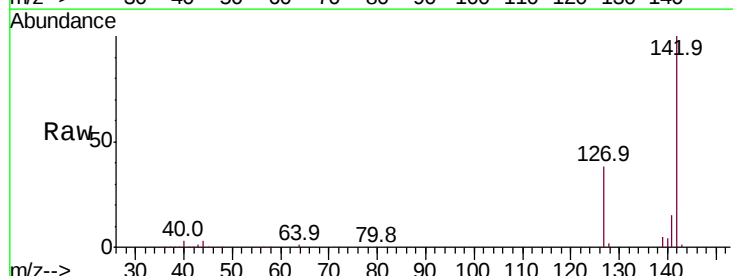
RT: 2.51 min Scan# 223

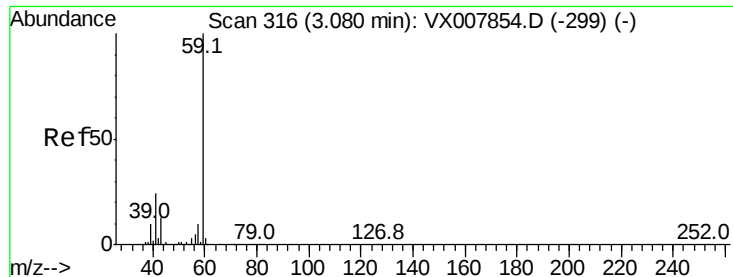
Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Tgt Ion:	142	Resp:	51238
Ion Ratio	Lower	Upper	
142	100		
127	37.3	32.1	48.1
141	14.6	11.4	17.2





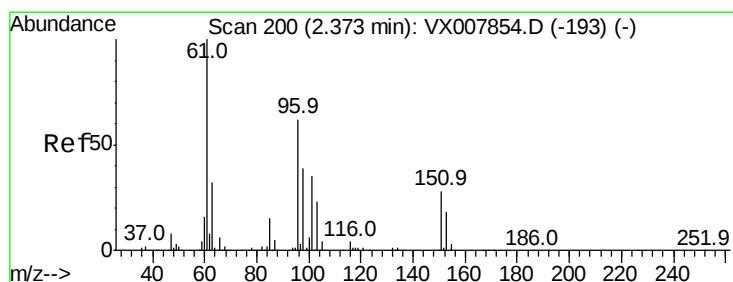
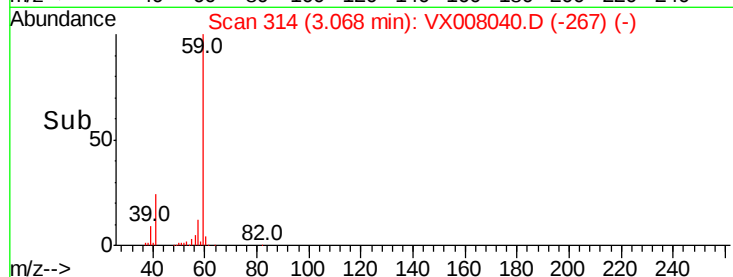
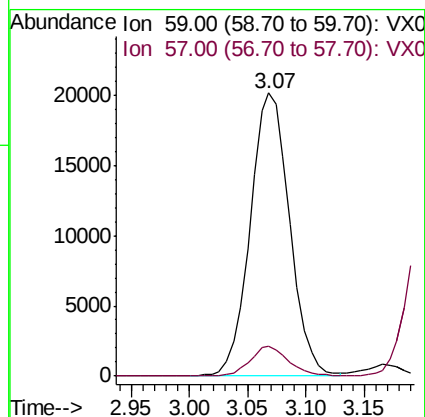
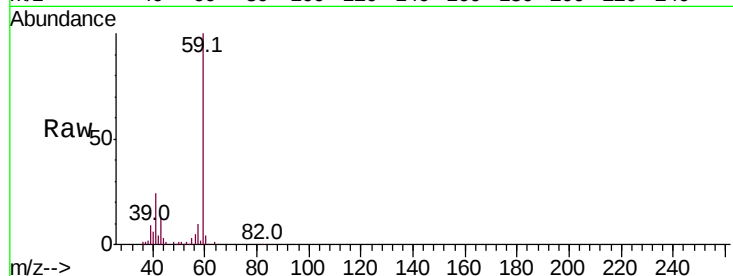
#11
Tert butyl alcohol
Concen: 88.095 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

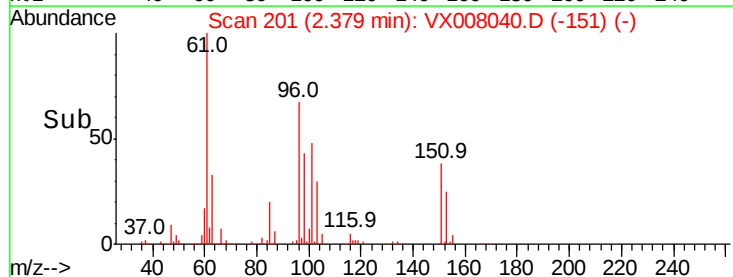
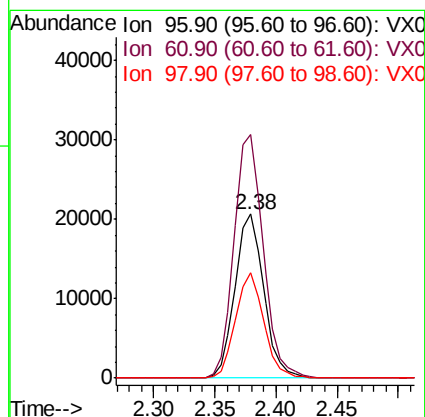
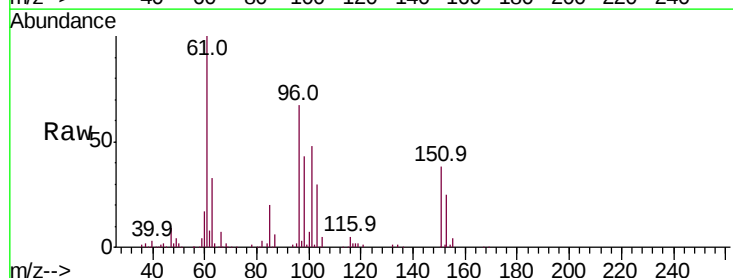
Manual Integrations
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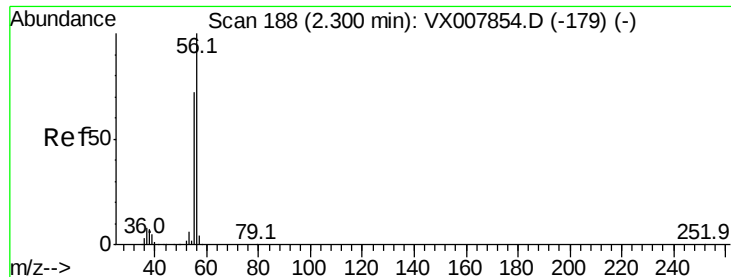
MMDadoda
3/14/2019 10:17:50 AM



#12
1,1-Dichloroethene
Concen: 17.220 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.6	129.8	194.6
98	64.2	51.0	76.6





#13

Acrolein

Concen: 77.704 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 56 Resp: 23397

Ion Ratio Lower Upper

56 100

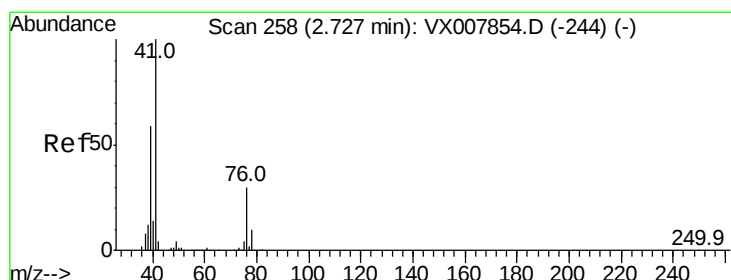
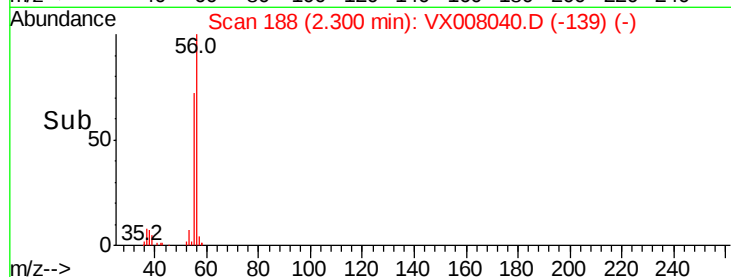
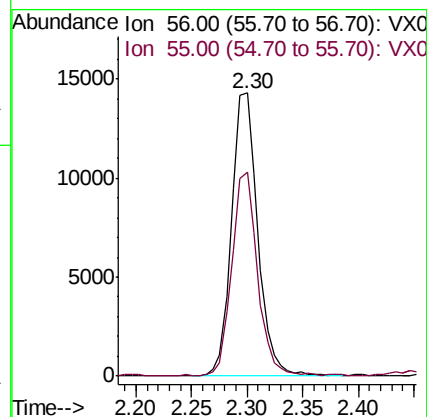
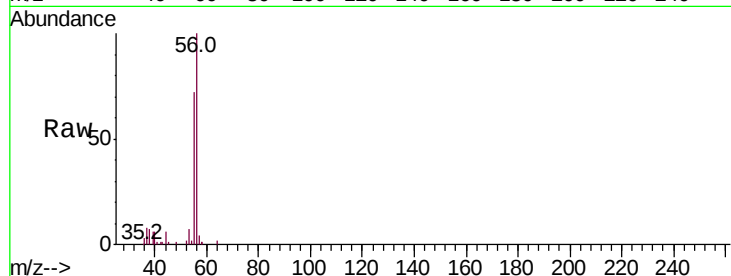
55 70.6 57.8 86.6

Manual Integrations

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MMDadoda

3/14/2019 10:17:50 AM



#14

Allyl chloride

Concen: 15.812 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

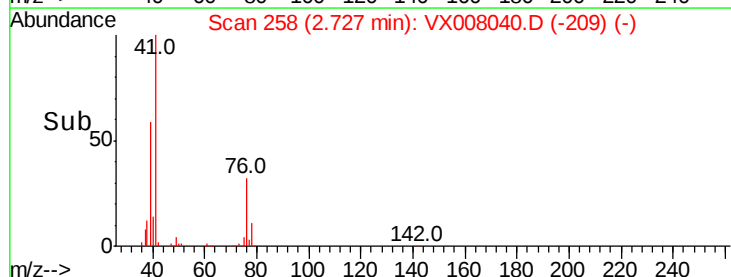
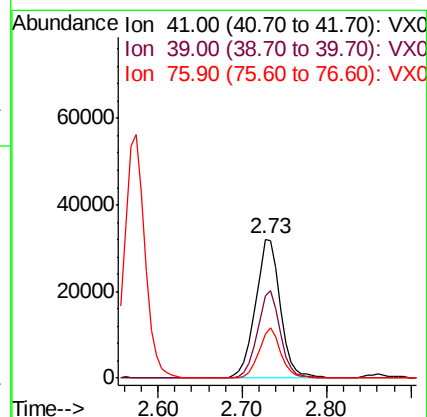
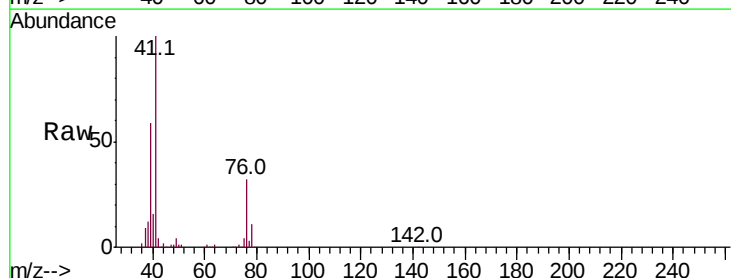
Tgt Ion: 41 Resp: 64646

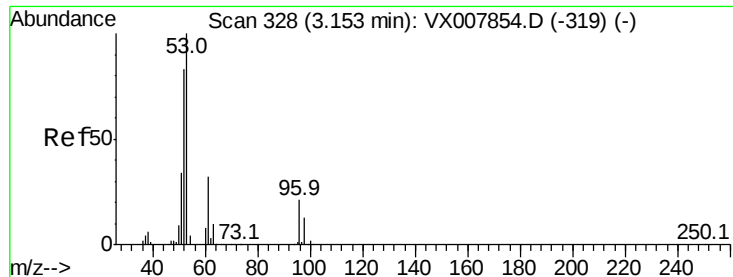
Ion Ratio Lower Upper

41 100

39 57.7 46.1 69.1

76 31.3 24.0 36.0





#15

Acrylonitrile

Concen: 84.331 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

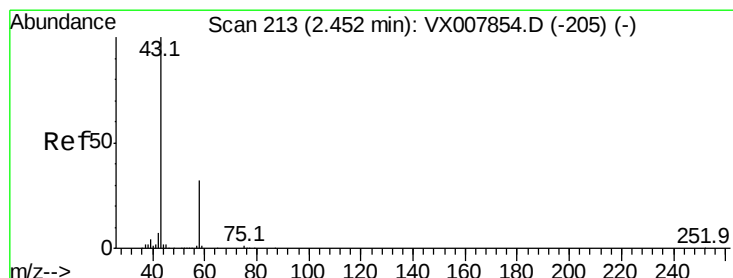
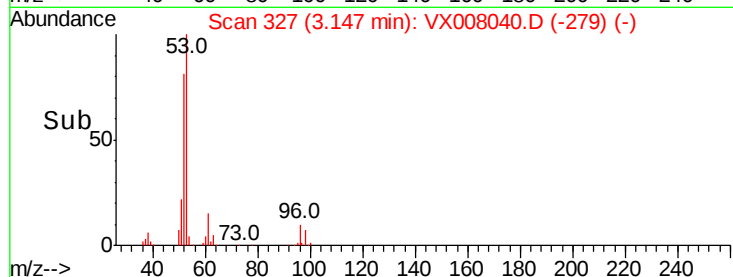
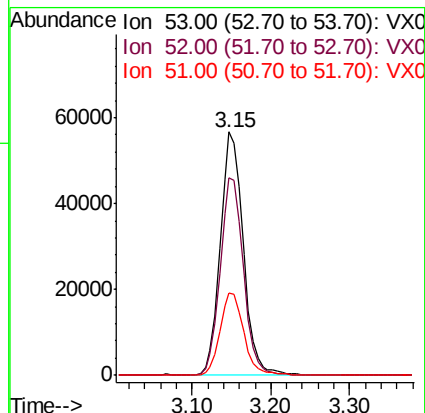
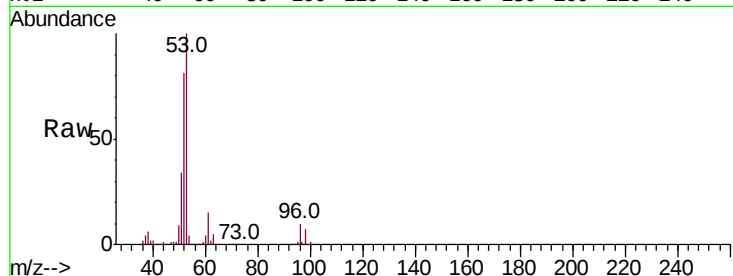
ClientSampleId :

VX0313MBS01

Tot Ion:	53	Resp:	114837
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.0	99.0
51	34.9	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 73.546 ug/l

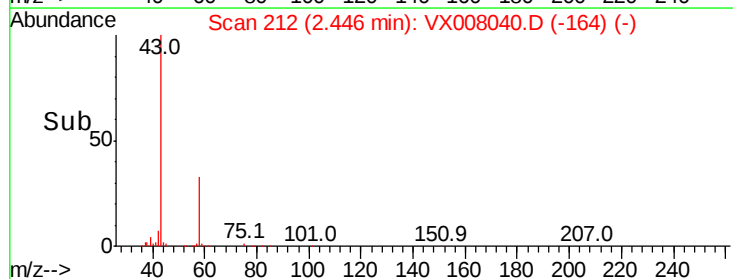
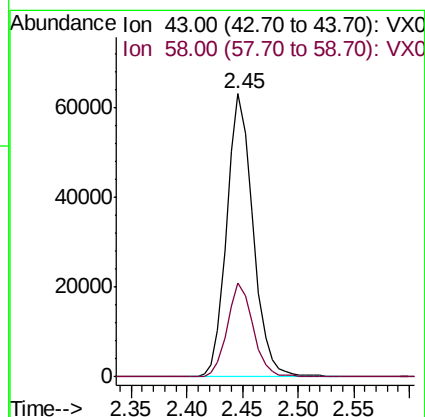
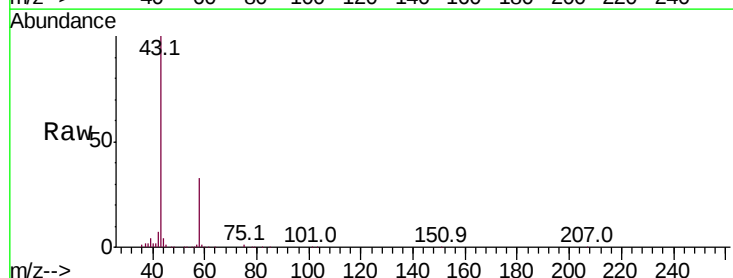
RT: 2.45 min Scan# 212

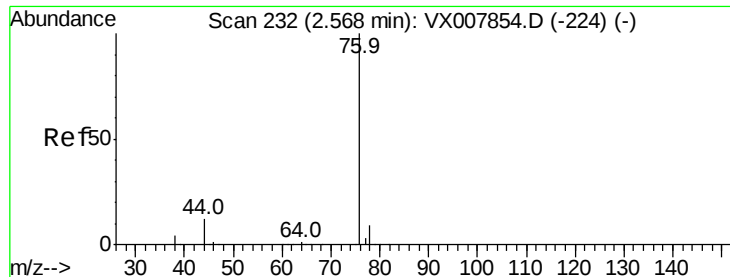
Delta R.T. -0.01 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Tgt Ion:	43	Resp:	102693
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.5	38.3





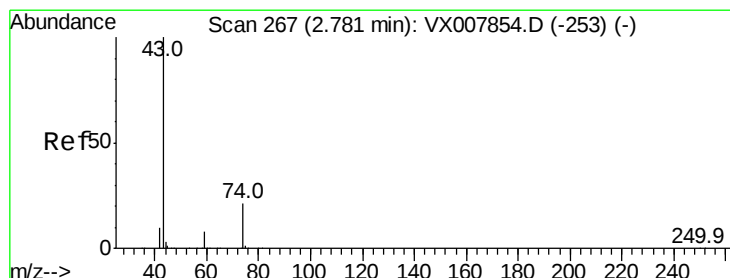
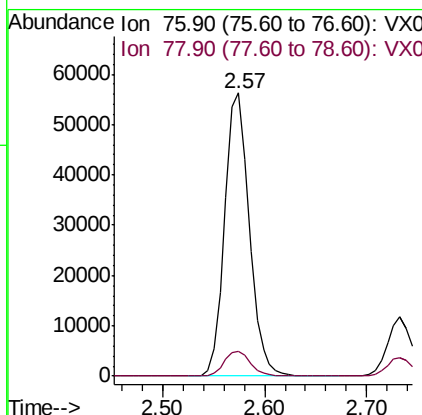
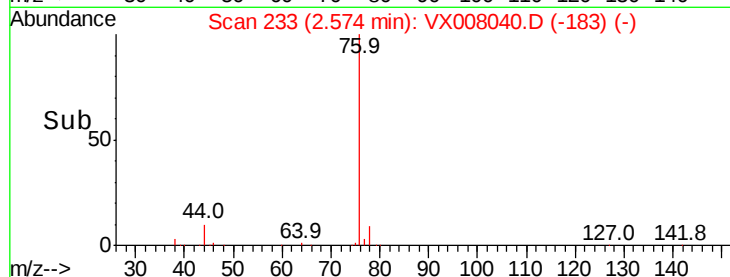
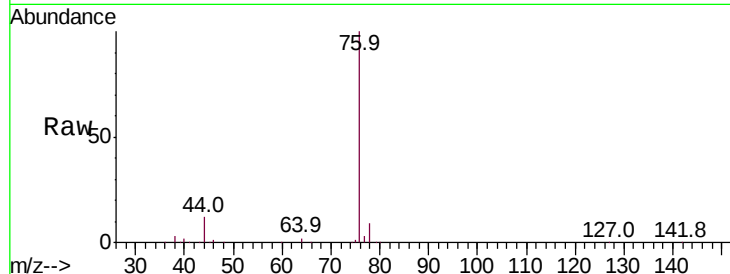
#17
Carbon Disulfide
Concen: 15.661 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion: 76 Resp: 94358
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

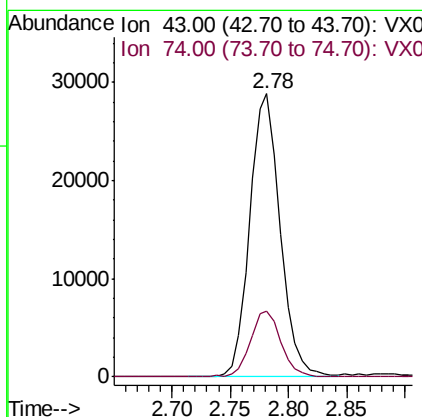
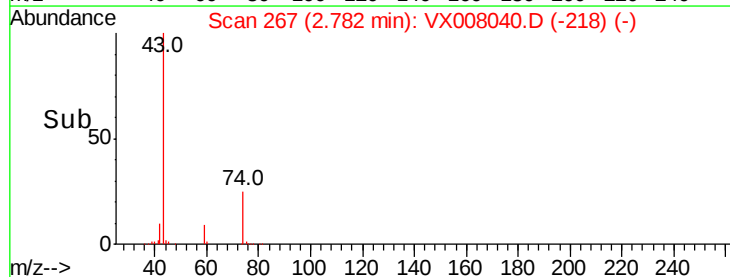
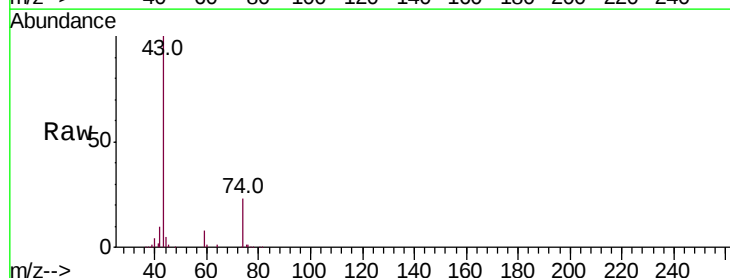
Manual Integrations
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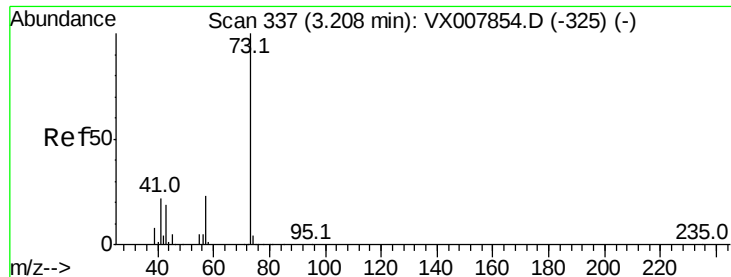
MMDadoda
3/14/2019 10:17:50 AM



#18
Methyl Acetate
Concen: 17.804 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion: 43 Resp: 52814
Ion Ratio Lower Upper
43 100
74 23.7 17.8 26.6





#19

Methyl tert-butyl Ether

Concen: 18.202 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX008040.D

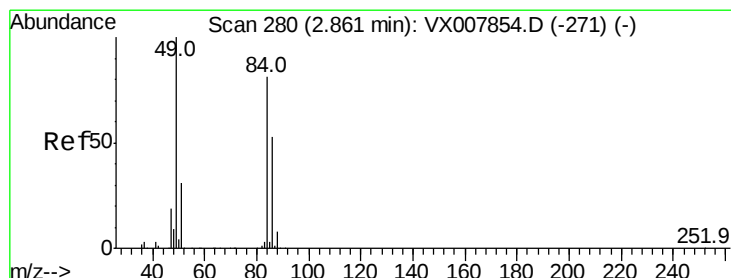
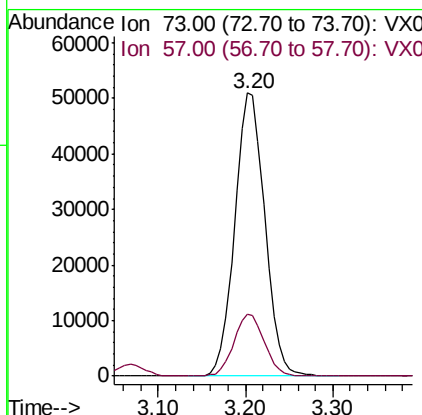
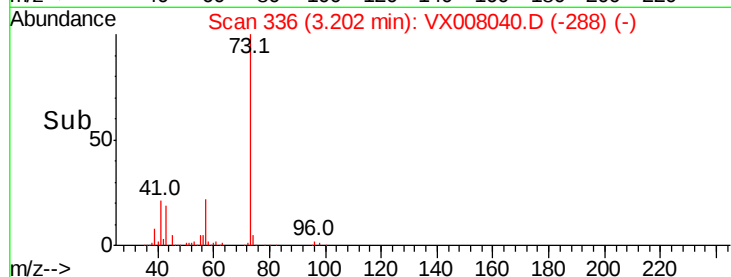
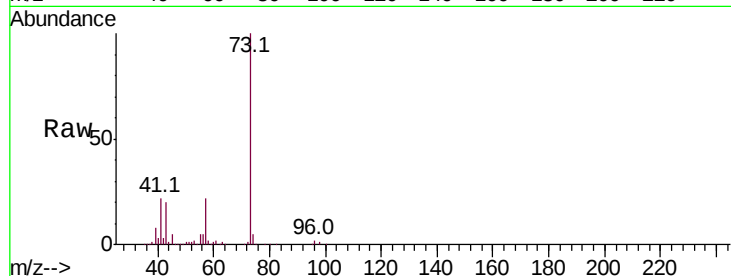
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.2	27.4

Manual Integrations
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#20

Methylene Chloride

Concen: 17.390 ug/l

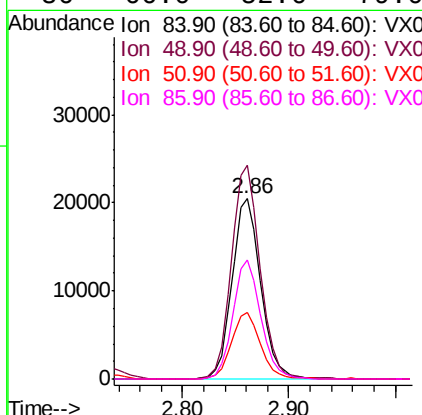
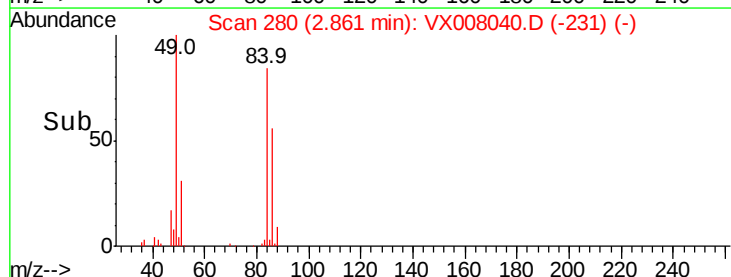
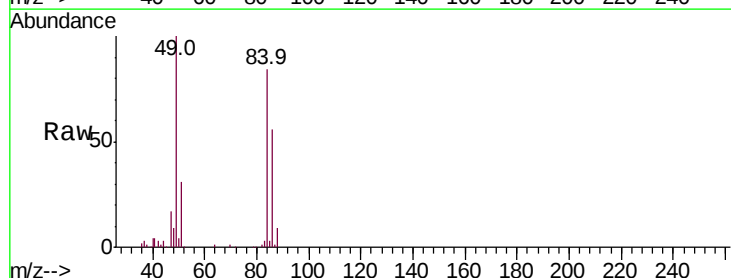
RT: 2.86 min Scan# 280

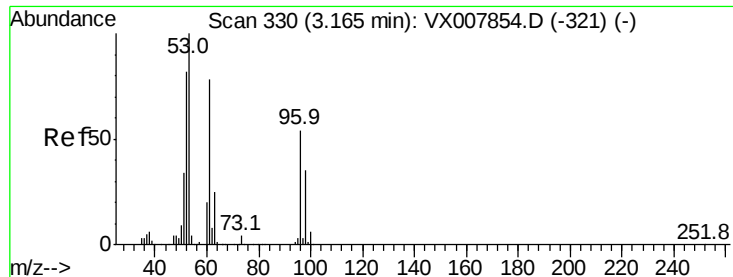
Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	99.3	148.9
51	37.3	31.3	46.9
86	66.0	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 17.003 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

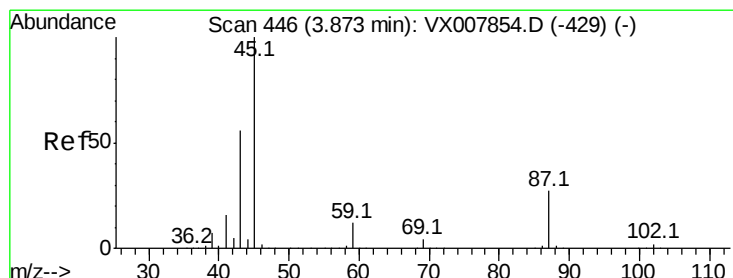
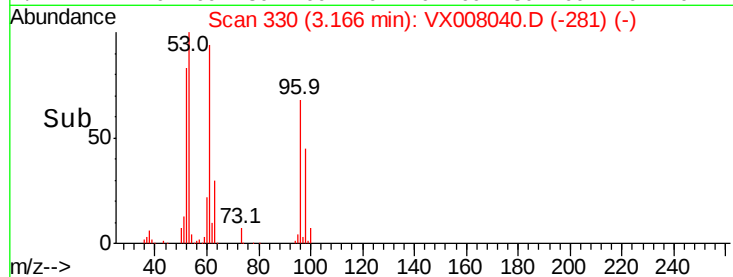
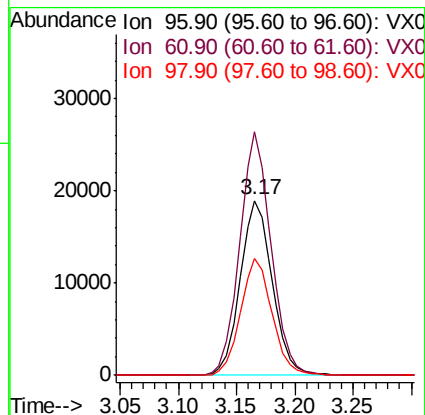
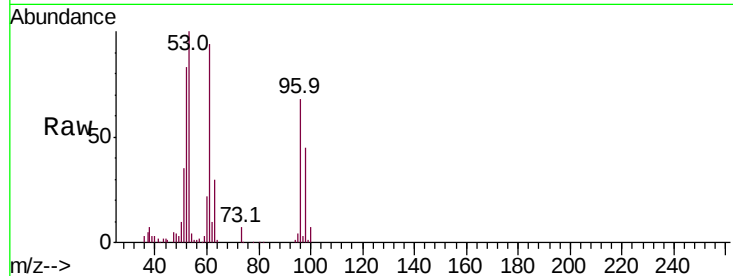
ClientSampleId :

VX0313MBS01

Tot Ion:	96	Resp:	36401
Ion Ratio	Lower	Upper	
96	100		
61	139.1	114.4	171.6
98	66.4	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.245 ug/l

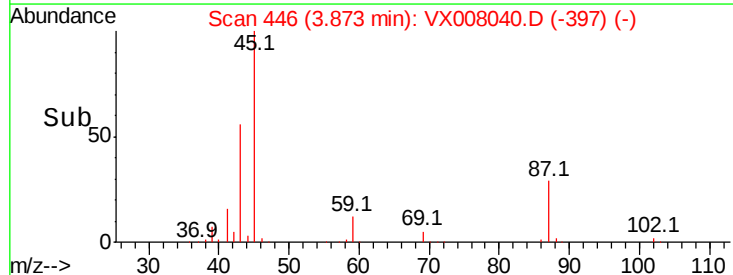
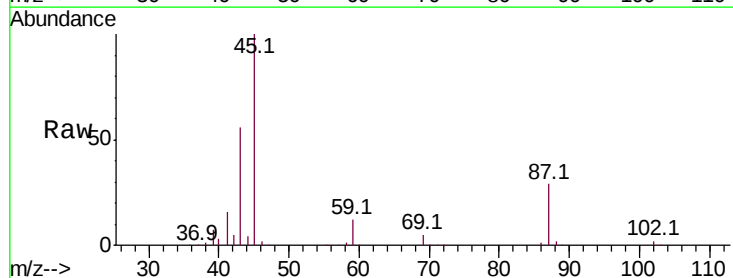
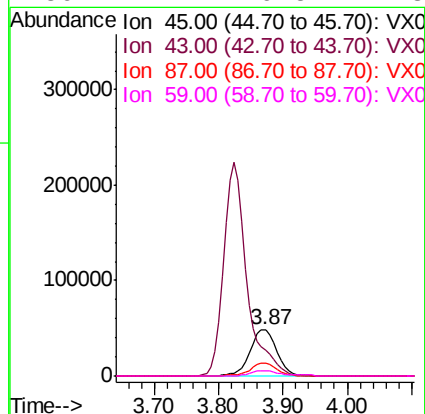
RT: 3.87 min Scan# 446

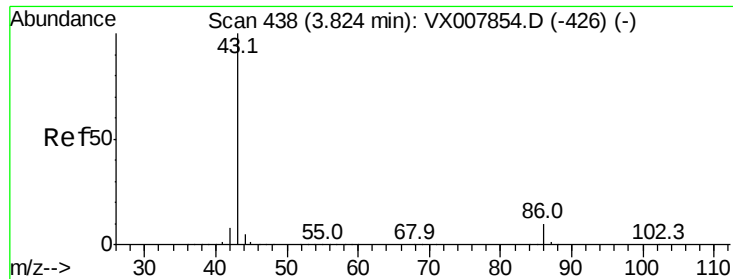
Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Tgt Ion:	45	Resp:	136738
Ion Ratio	Lower	Upper	
45	100		
43	55.6	45.3	67.9
87	29.0	21.4	32.0
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 87.263 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 43 Resp: 573509

Ion Ratio Lower Upper

43 100

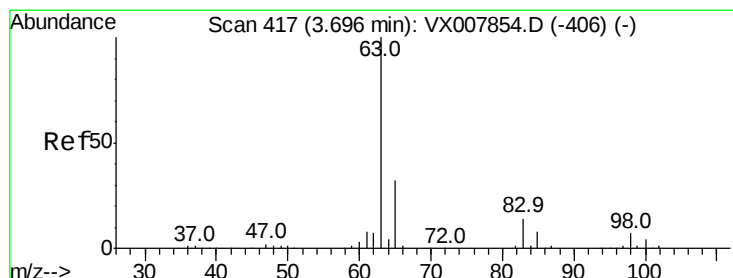
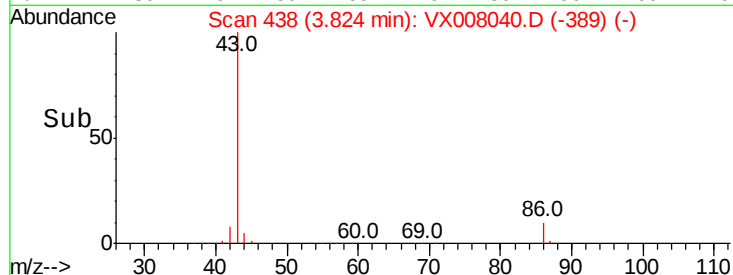
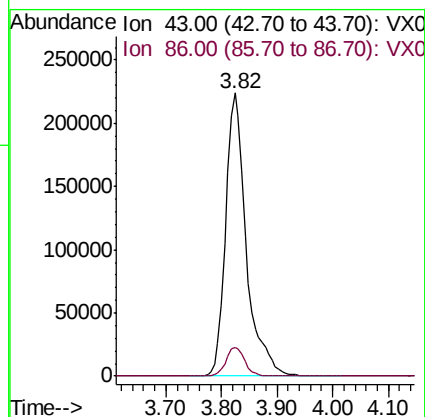
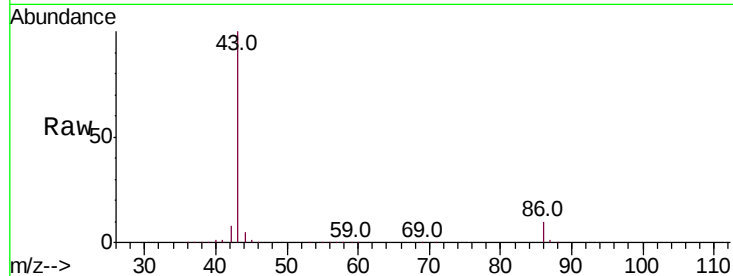
86 10.2 7.9 11.9

Manual Integrations

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MMDadoda

3/14/2019 10:17:50 AM



#24

1,1-Dichloroethane

Concen: 17.774 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

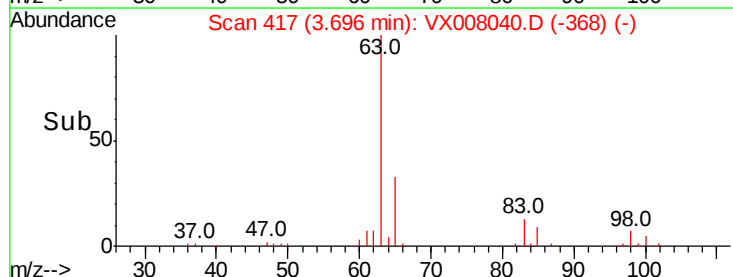
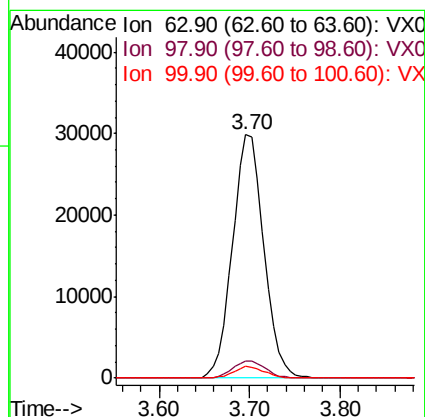
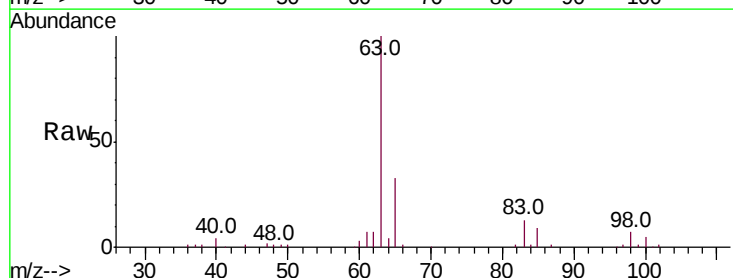
Tgt Ion: 63 Resp: 71687

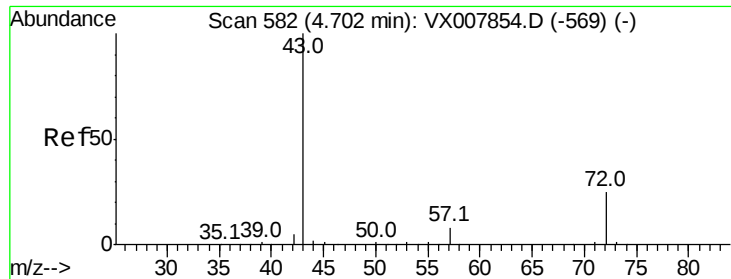
Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.8

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 89.301 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 43 Resp: 176533

Ion Ratio Lower Upper

43 100

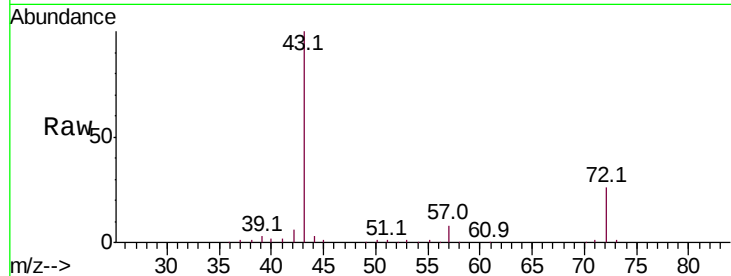
72 25.8 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

60000

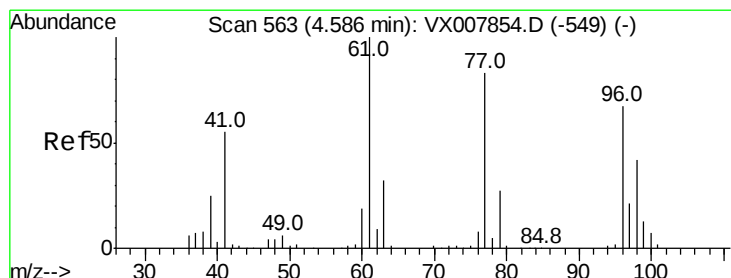
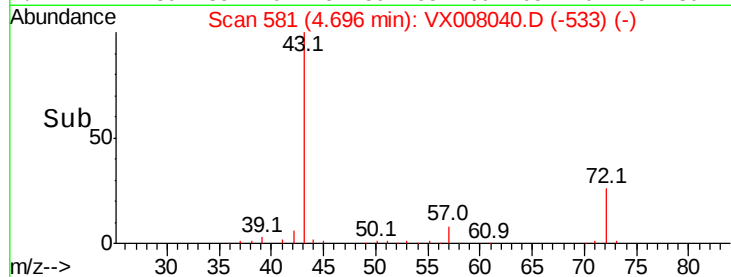
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 18.836 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008040.D

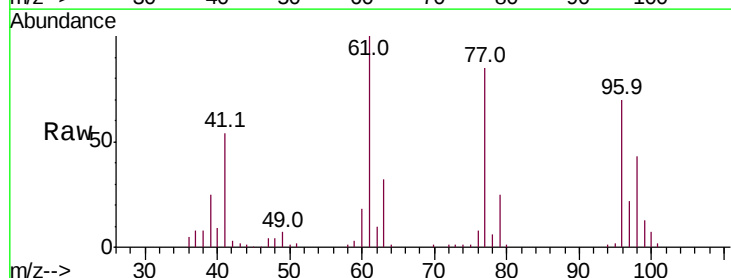
Acq: 13 Mar 2019 11:19

Tgt Ion: 77 Resp: 50331

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

15000

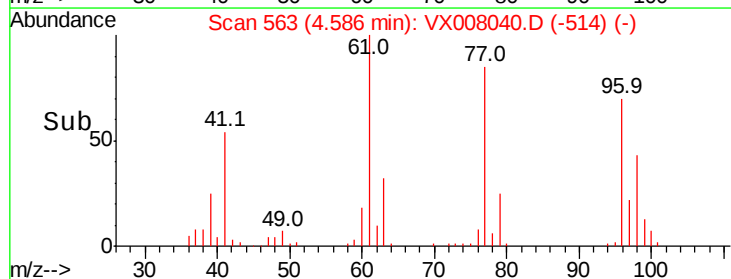
10000

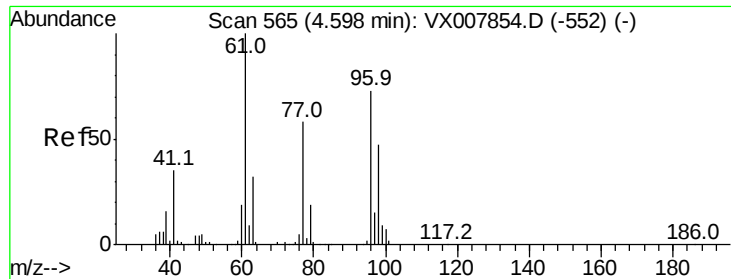
5000

0

Time-->

4.50 4.60 4.70





#27

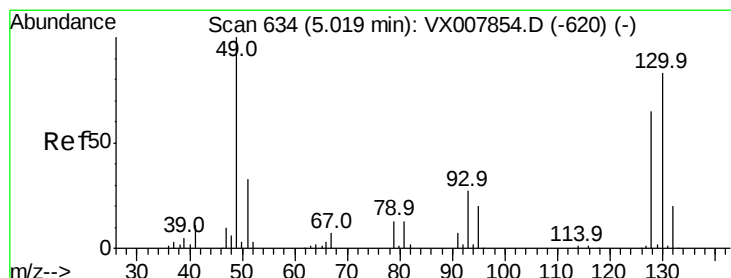
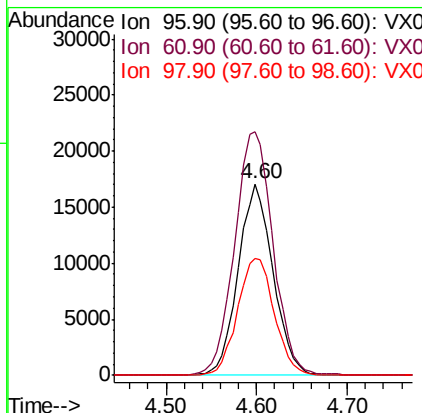
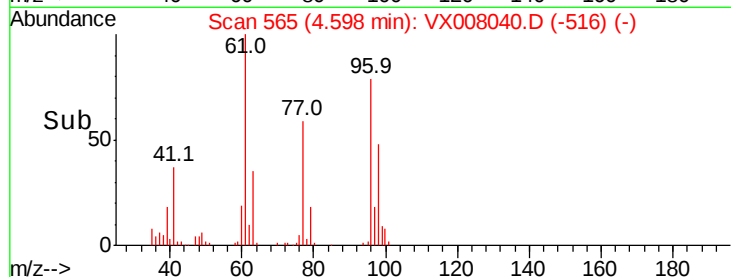
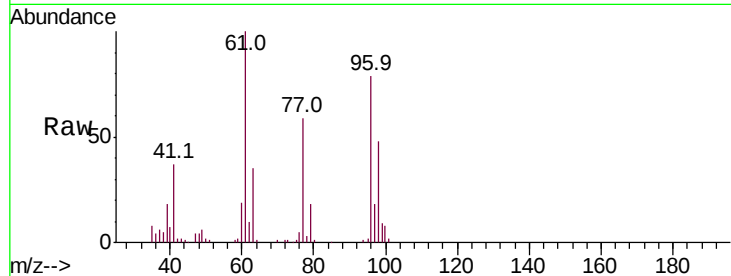
cis-1,2-Dichloroethene
Concen: 18.595 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	45555		
61	140.3	0.0	288.0	
98	64.2	0.0	129.0	

Manual Integrations
APPROVED

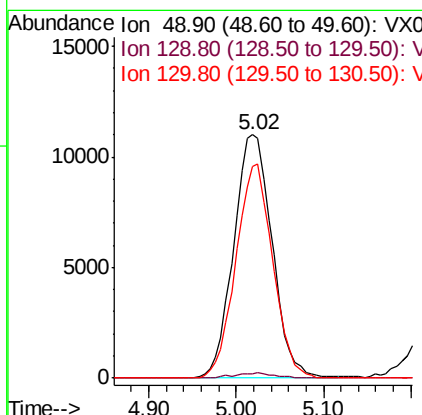
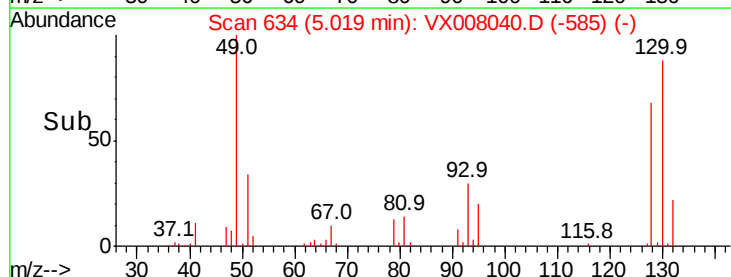
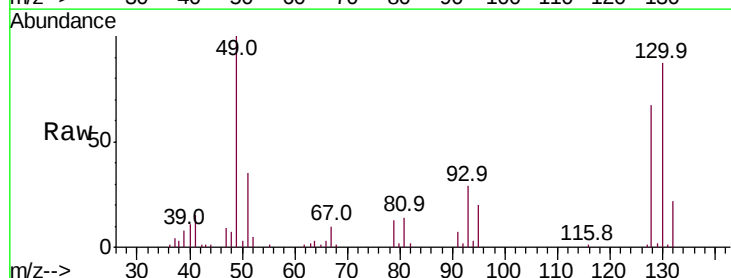
MMDadoda
3/14/2019 10:17:50 AM

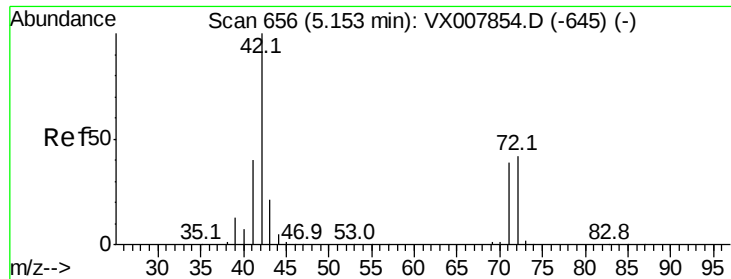


#28

Bromochloromethane
Concen: 17.906 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33669		
129	2.1	0.0	4.0	
130	83.9	65.0	97.4	





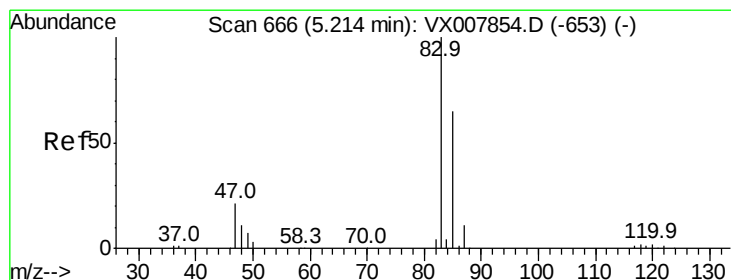
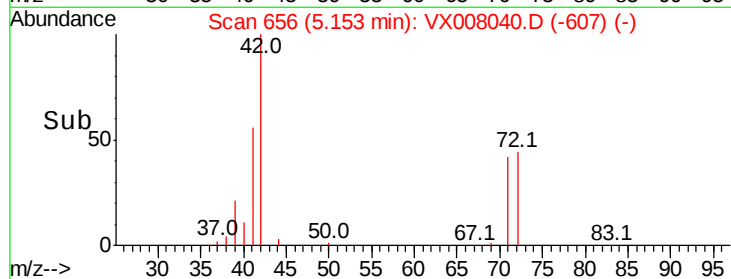
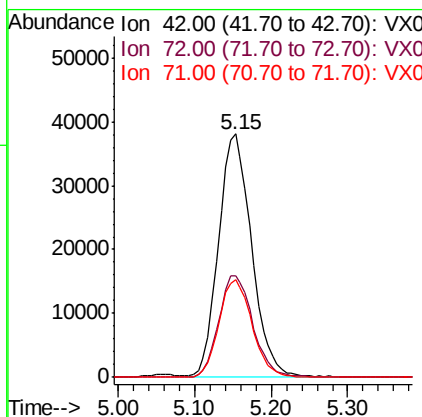
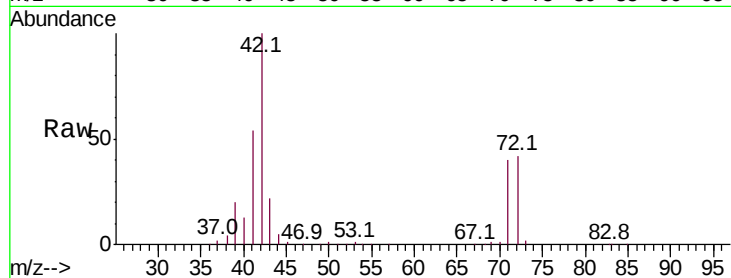
#29
Tetrahydrofuran
Concen: 92.026 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.8	50.6
71	40.5	31.5	47.3

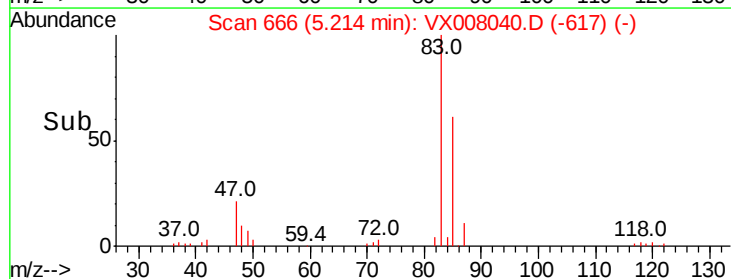
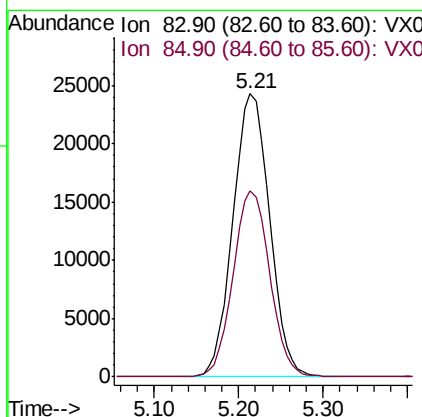
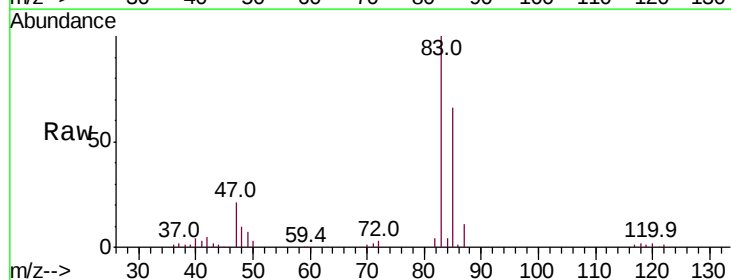
Manual Integrations
APPROVED

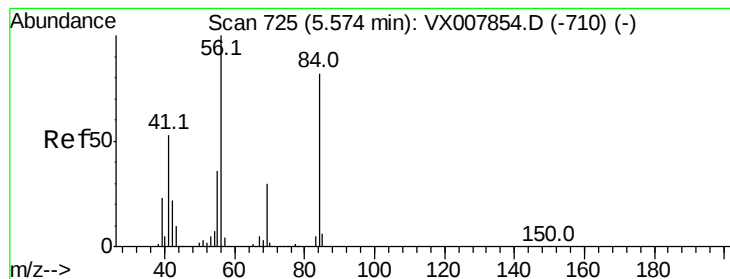
MMDadoda
3/14/2019 10:17:50 AM



#30
Chloroform
Concen: 18.818 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6





#31

Cyclohexane

Concen: 18.153 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 56 Resp: 67289

Ion Ratio Lower Upper

56 100

69 29.7 24.0 36.0

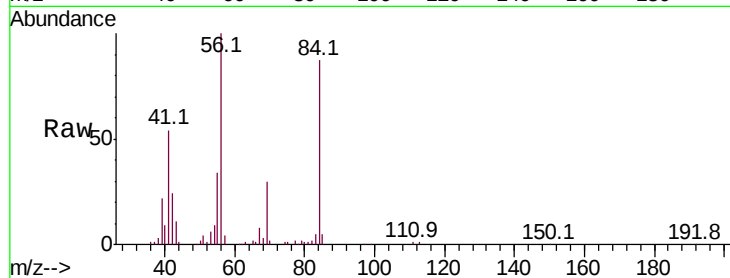
84 85.3 65.3 97.9

Manual Integrations

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MMDadoda

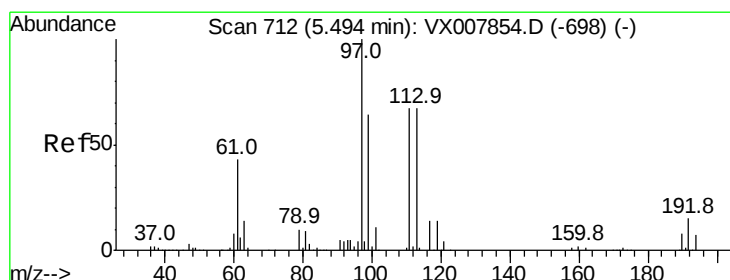
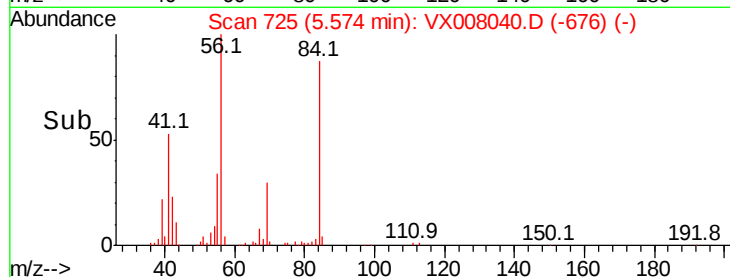
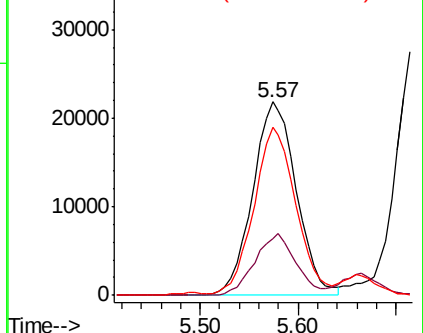
3/14/2019 10:17:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.855 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

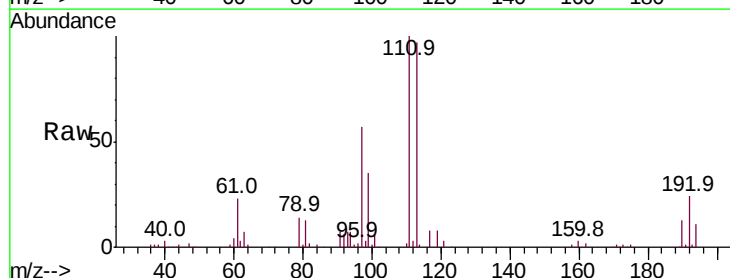
Tgt Ion: 97 Resp: 59684

Ion Ratio Lower Upper

97 100

99 64.9 52.2 78.2

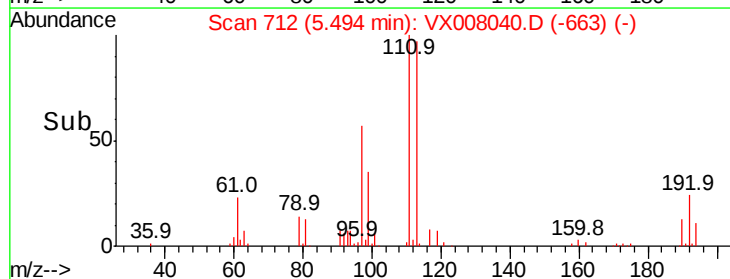
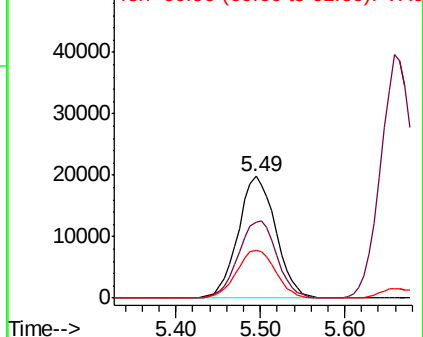
61 41.2 34.9 52.3

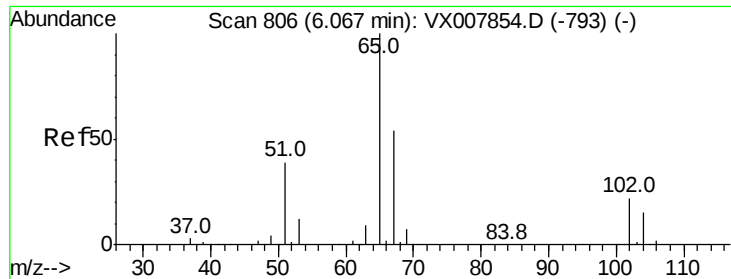


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





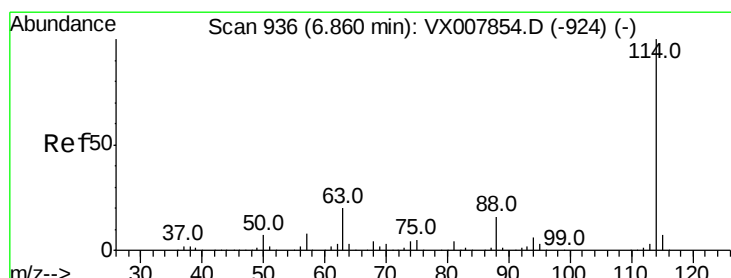
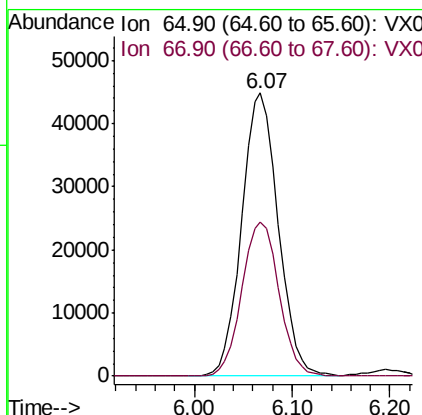
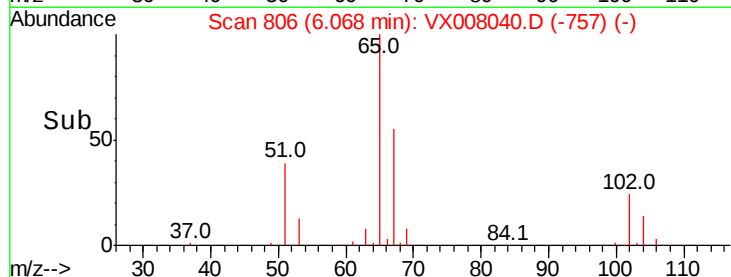
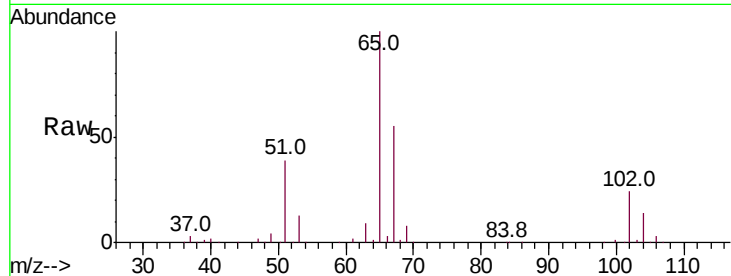
#33
 1,2-Dichloroethane-d4
 Concen: 48.159 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	110.0	

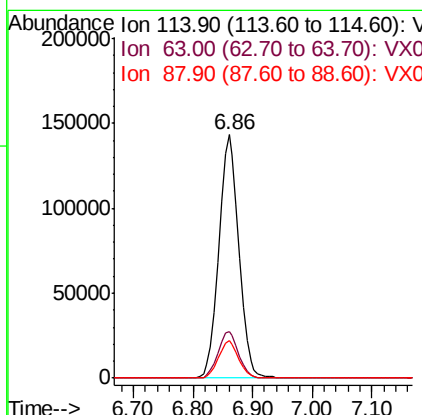
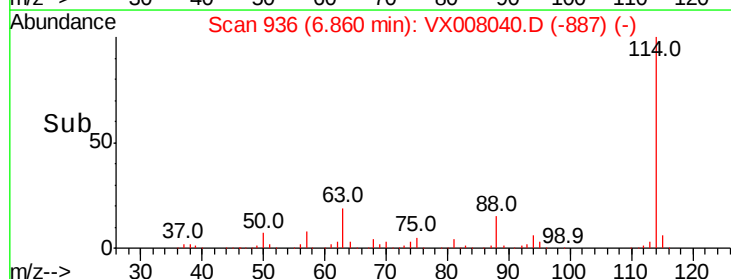
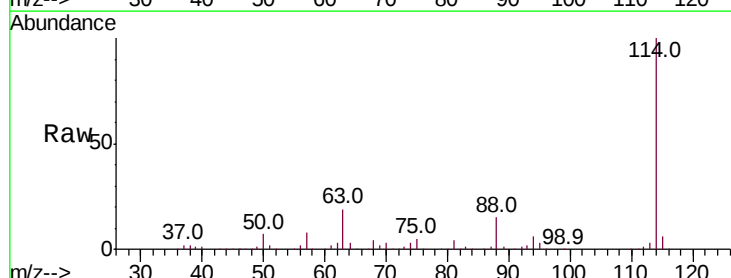
Manual Integrations
 APPROVED

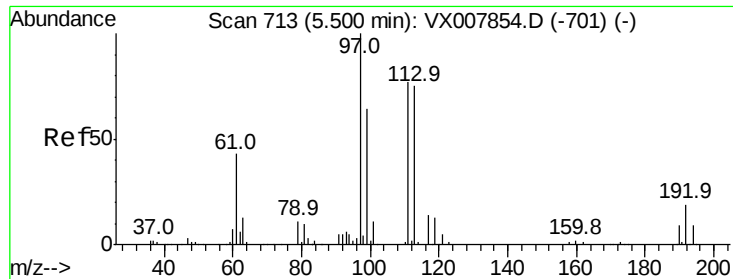
MMDadoda
 3/14/2019 10:17:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	39.8	
88	15.3	0.0	31.4	





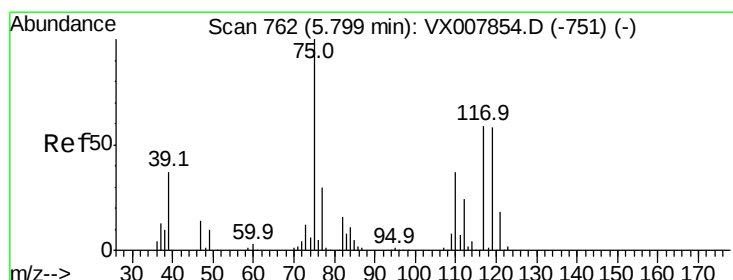
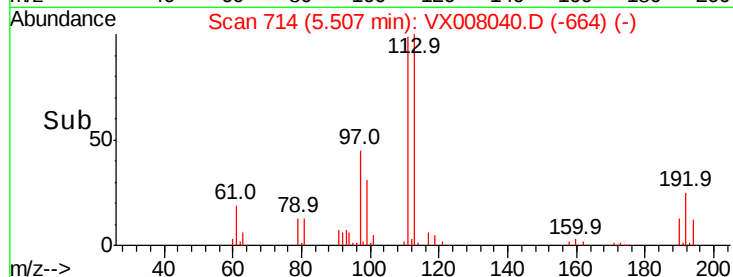
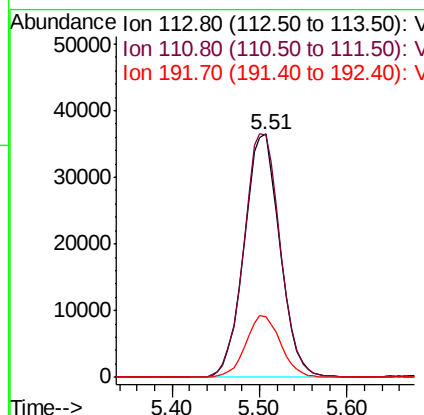
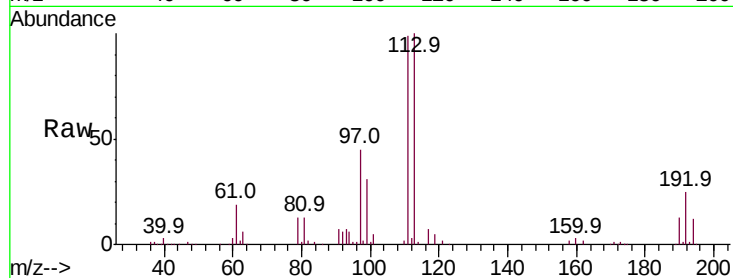
#35
Dibromofluoromethane
Concen: 48.646 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	81.4	122.0	
192	24.7	19.4	29.0	

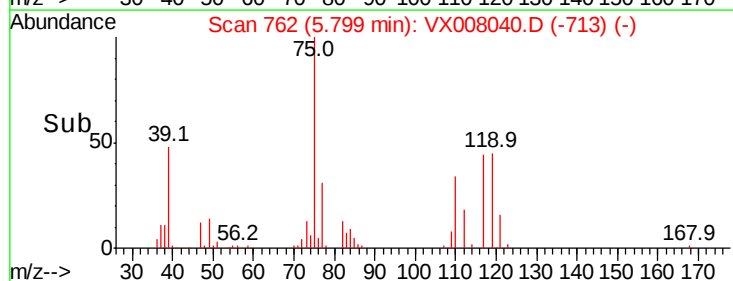
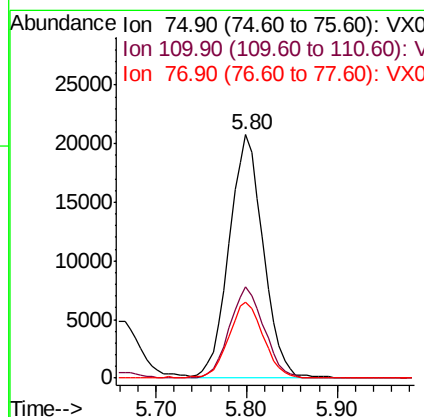
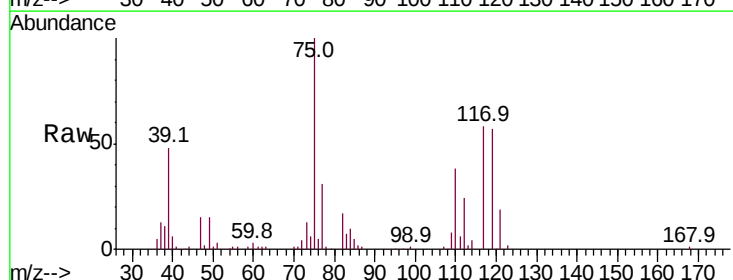
Manual Integrations
APPROVED

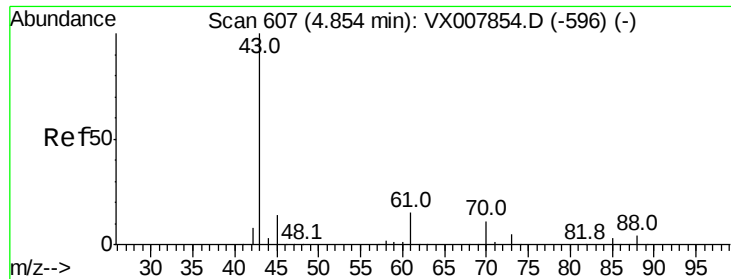
MMDadoda
3/14/2019 10:17:50 AM



#36
1,1-Dichloropropene
Concen: 17.989 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	18.4	55.0	
77	31.6	25.0	37.4	





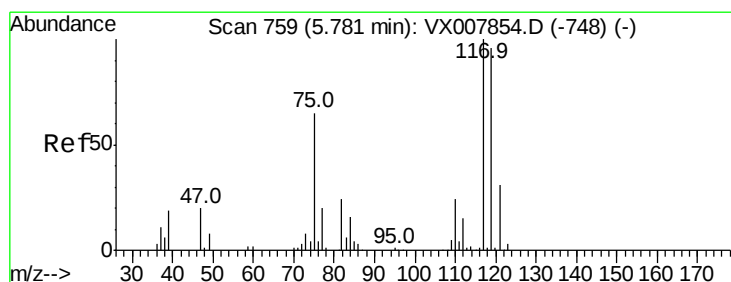
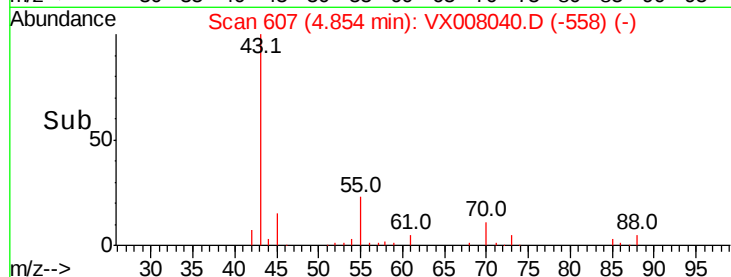
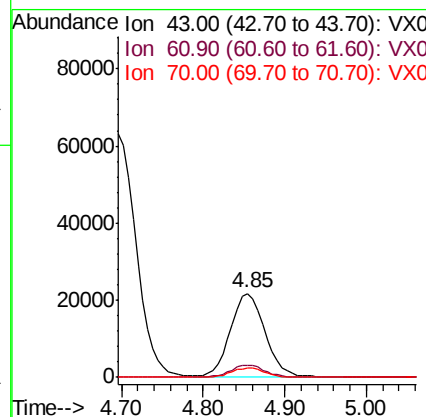
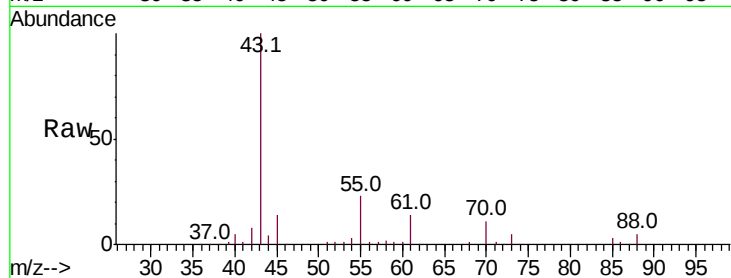
#37
Ethyl Acetate
Concen: 17.820 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.3	16.9
70	11.0	8.5	12.7

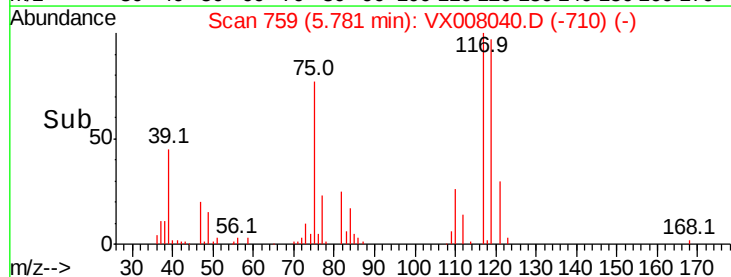
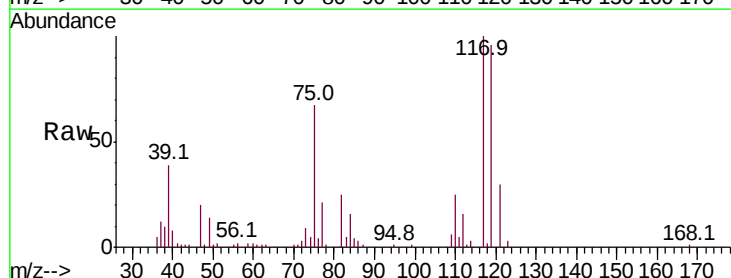
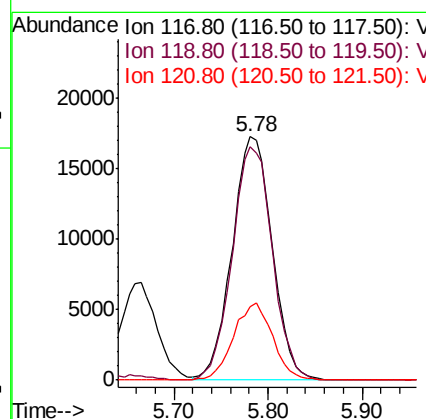
Manual Integrations
APPROVED

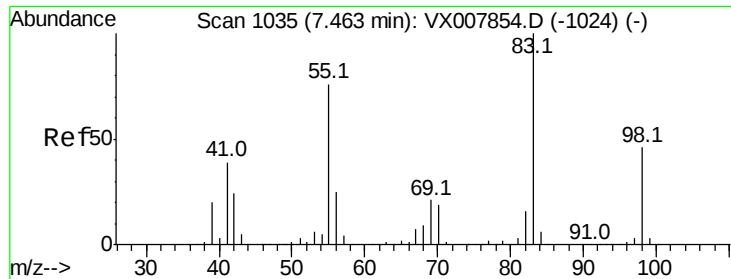
MMDadoda
3/14/2019 10:17:50 AM



#38
Carbon Tetrachloride
Concen: 17.832 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	30.2	24.6	36.8





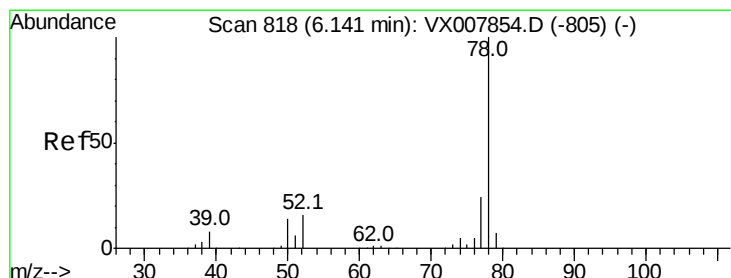
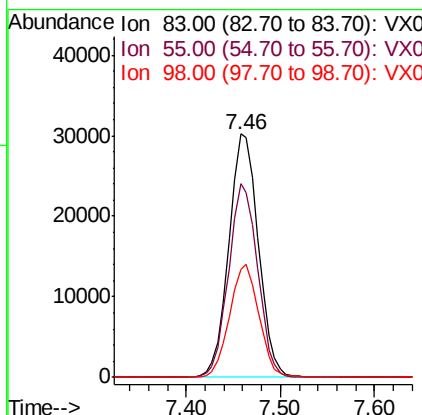
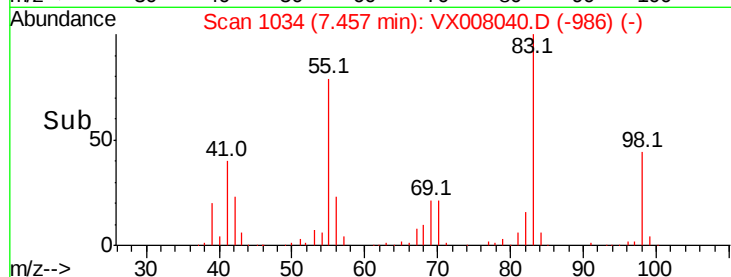
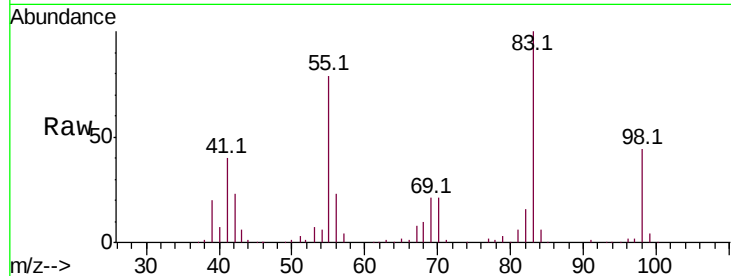
#39
Methvlcvclohexane
Concen: 18.041 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	60.4	90.6
98	44.2	36.5	54.7

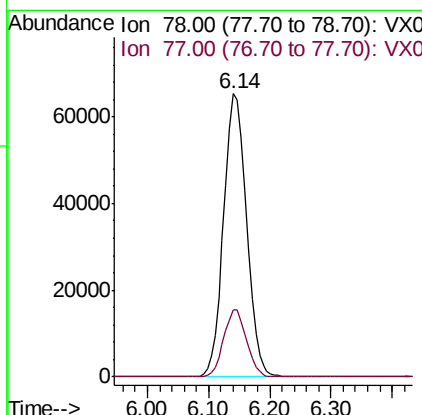
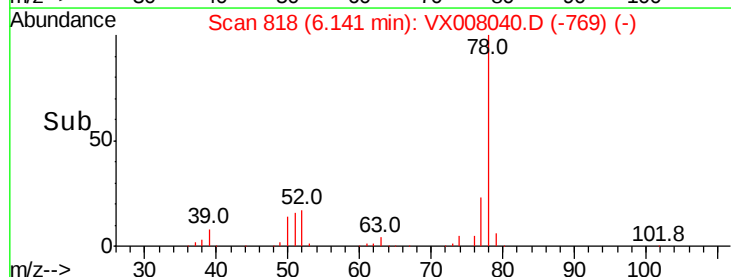
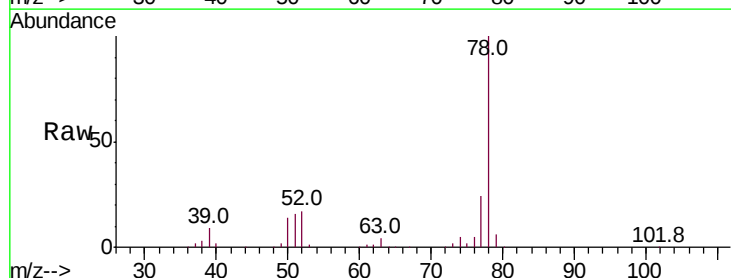
Manual Integrations
APPROVED

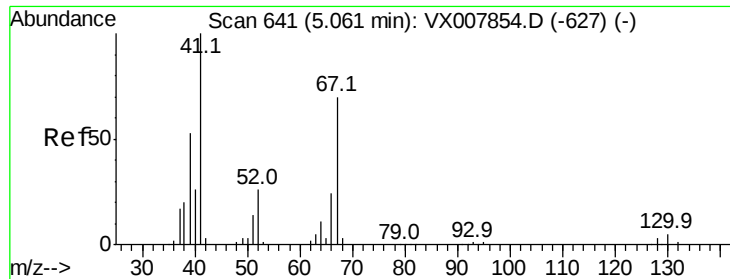
MMDadoda
3/14/2019 10:17:50 AM



#40
Benzene
Concen: 18.949 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





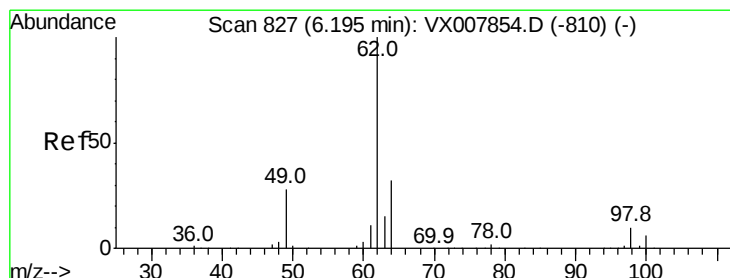
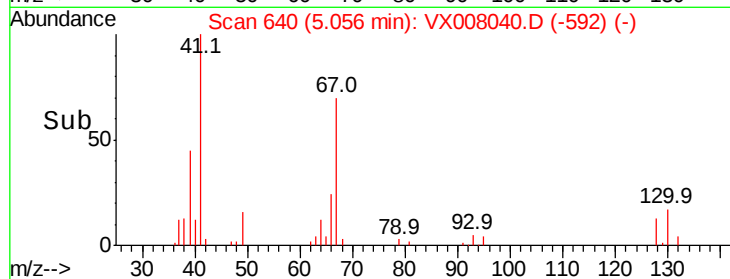
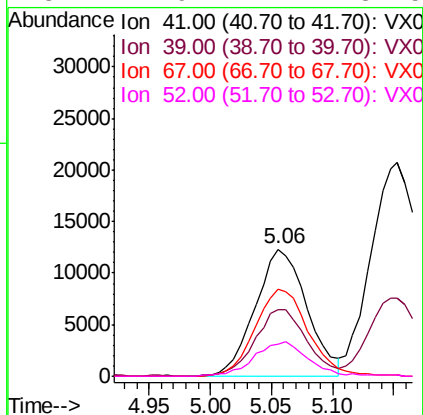
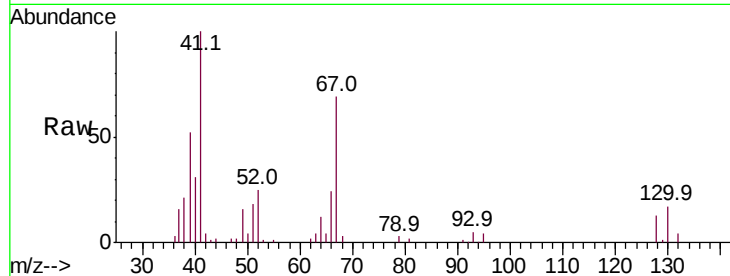
#41
Methacrylonitrile
Concen: 18.606 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	41.6	62.4	
67	70.8	55.8	83.6	
52	27.9	21.7	32.5	

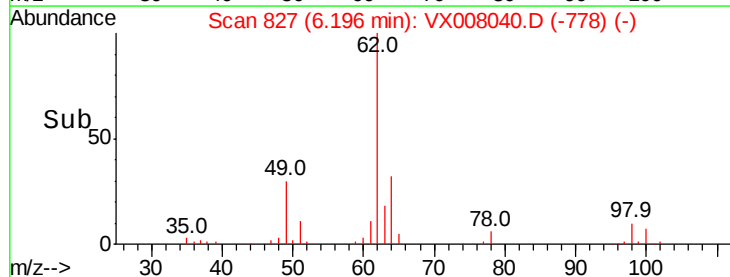
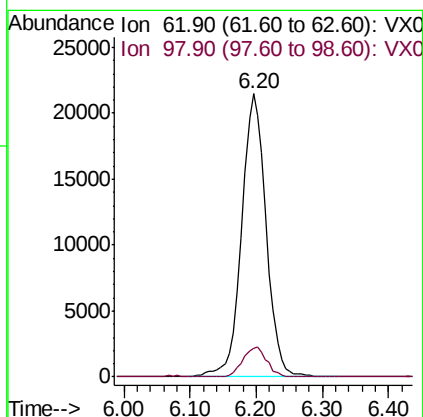
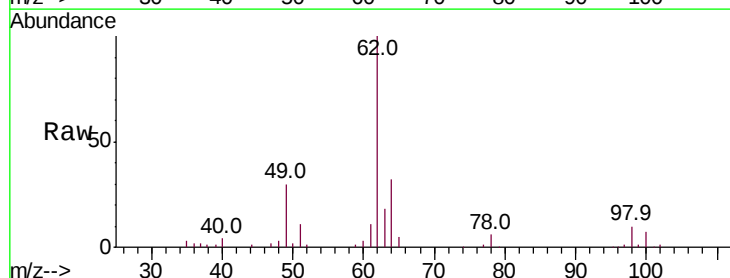
Manual Integrations
APPROVED

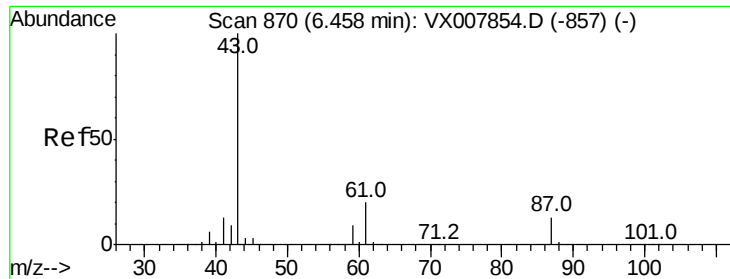
MMDadoda
3/14/2019 10:17:50 AM



#42
1,2-Dichloroethane
Concen: 18.825 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.4	





#43

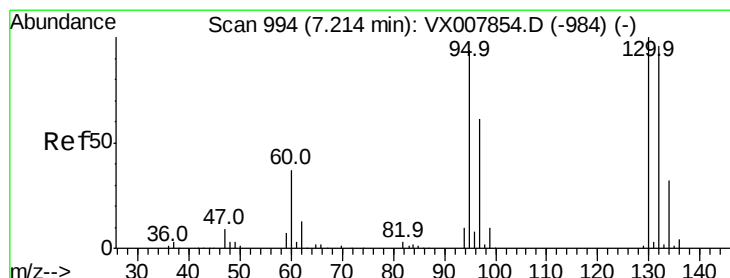
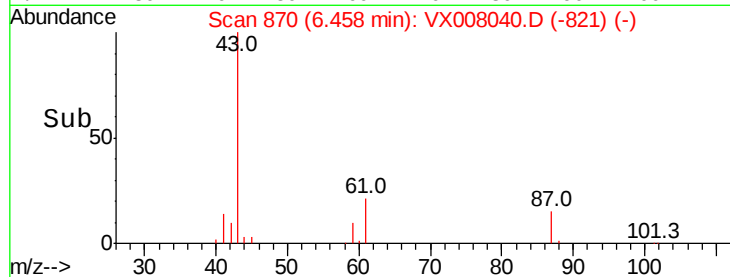
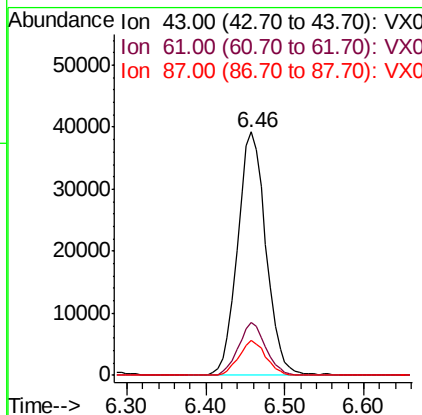
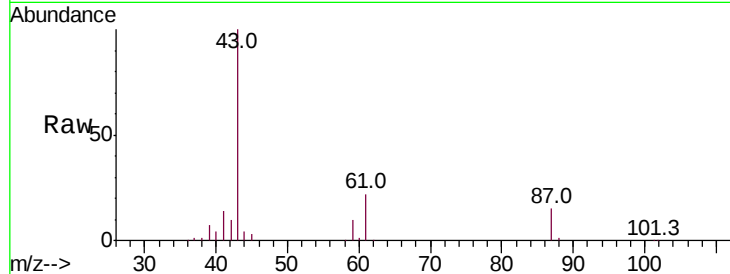
Isopropyl Acetate
 Concen: 18.440 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.3	24.5
87	13.9	10.5	15.7

Manual Integrations
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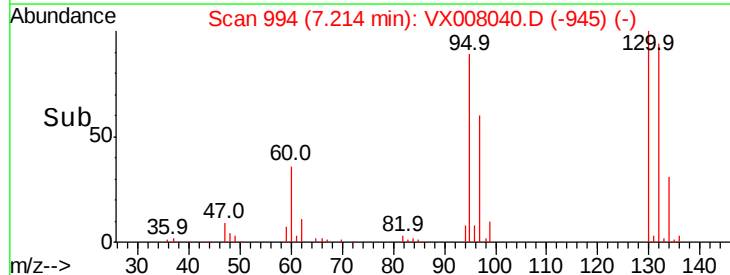
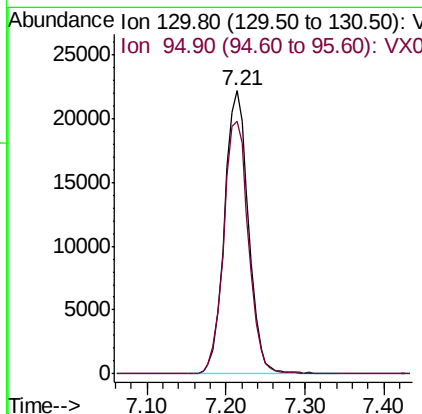
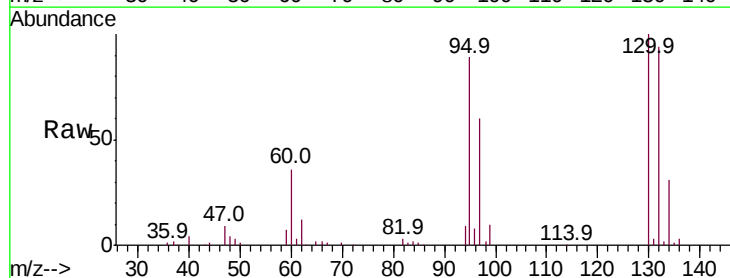
MMDadoda
 3/14/2019 10:17:50 AM

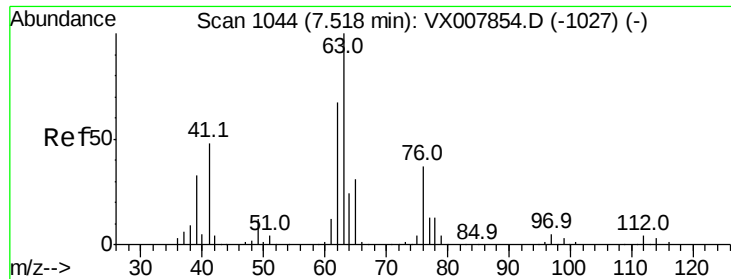


#44

Trichloroethene
 Concen: 18.910 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	188.0





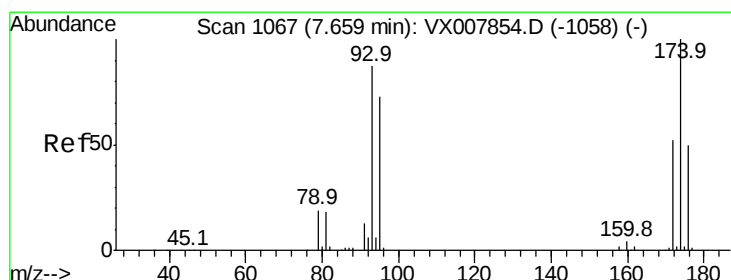
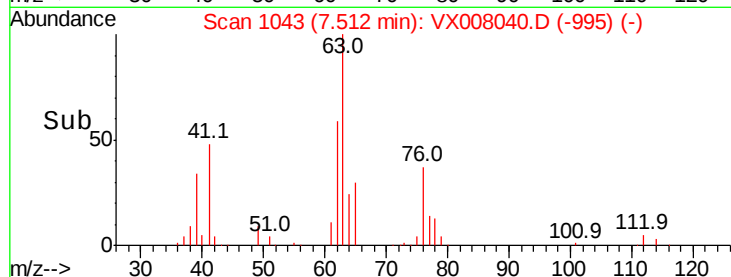
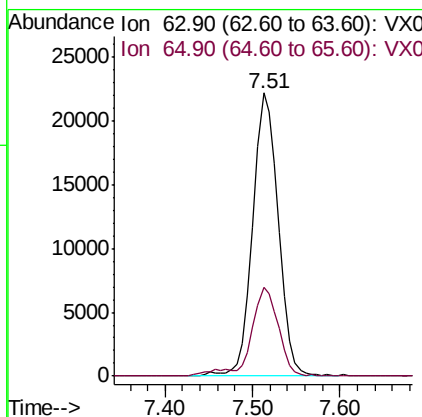
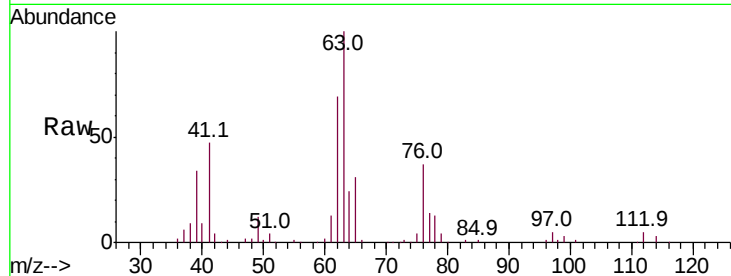
#45
 1,2-Dichloropropane
 Concen: 19.027 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313MBS01

Tot Ion: 63 Resp: 45106
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

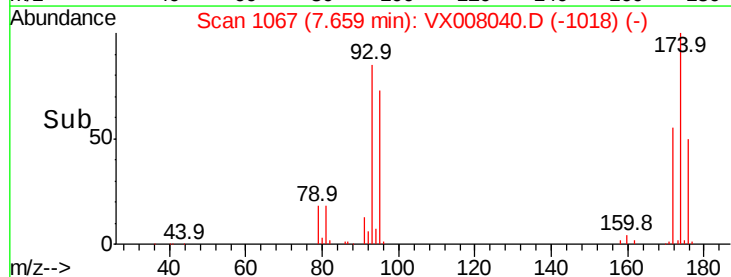
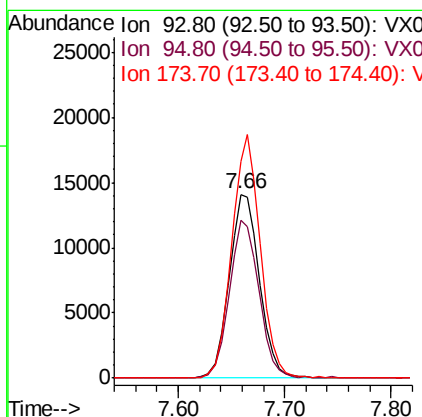
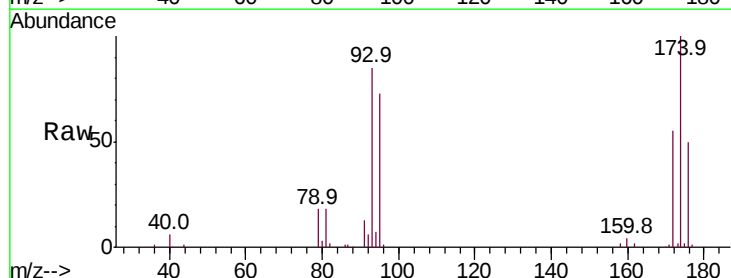
Manual Integrations
 APPROVED

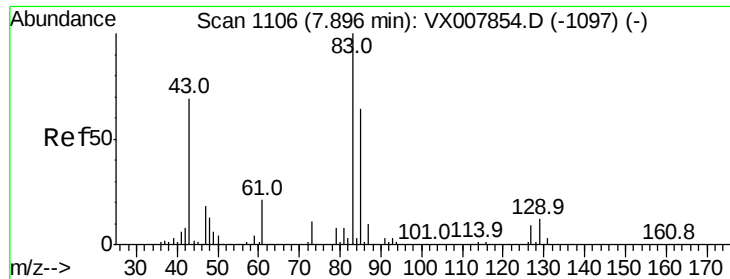
MMDadoda
 3/14/2019 10:17:50 AM



#46
 Dibromomethane
 Concen: 18.692 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Tgt Ion: 93 Resp: 28042
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.8 100.2
 174 124.9 97.3 145.9





#47

Bromodichloromethane

Concen: 17.976 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

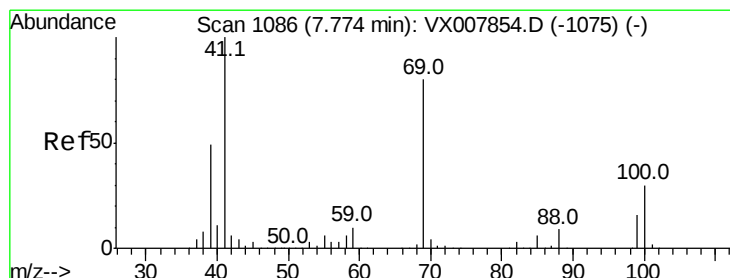
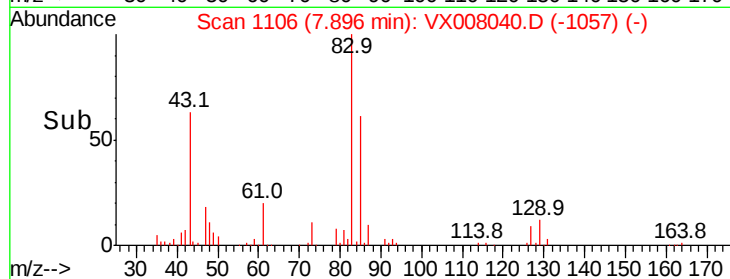
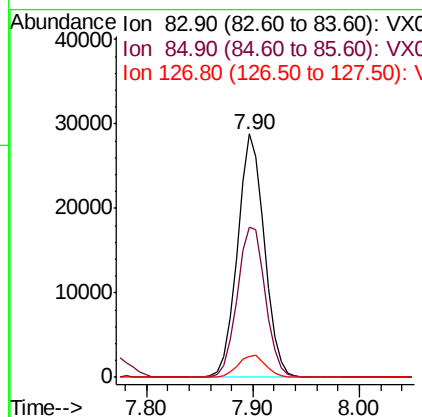
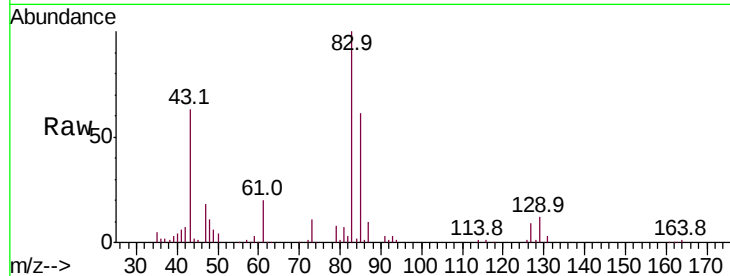
ClientSampleId :

VX0313MBS01

Tot Ion:	83	Resp:	51132
Ion Ratio	Lower	Upper	
83	100		
85	61.5	50.9	76.3
127	8.7	7.4	11.0

Manual Integrations
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MMDadoda
3/14/2019 10:17:50 AM



#48

Methyl methacrylate

Concen: 18.327 ug/l

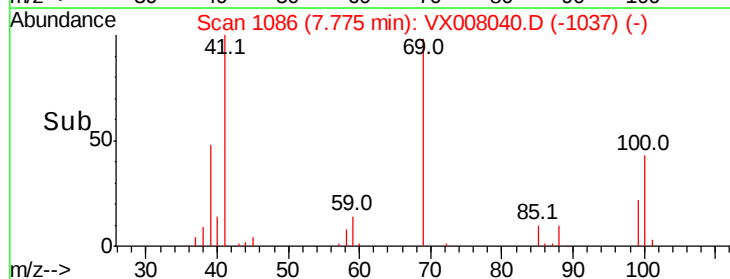
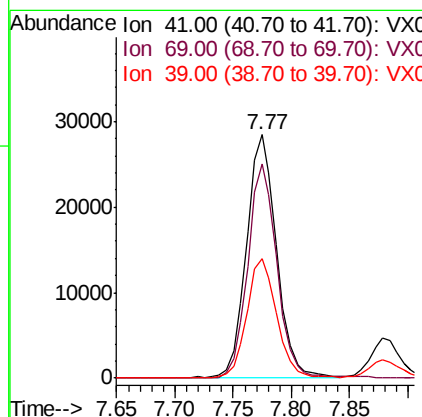
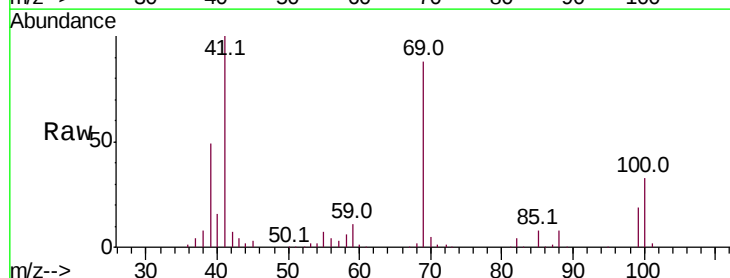
RT: 7.77 min Scan# 1086

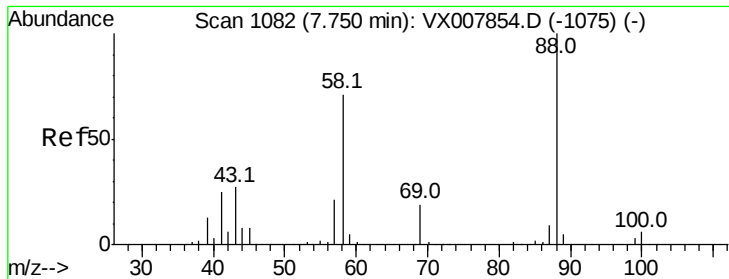
Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Tgt Ion:	41	Resp:	51019
Ion Ratio	Lower	Upper	
41	100		
69	86.2	65.2	97.8
39	49.5	39.4	59.2





#49

1,4-Dioxane

Concen: 384.630 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

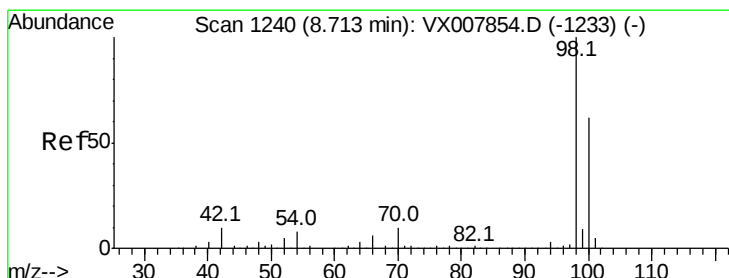
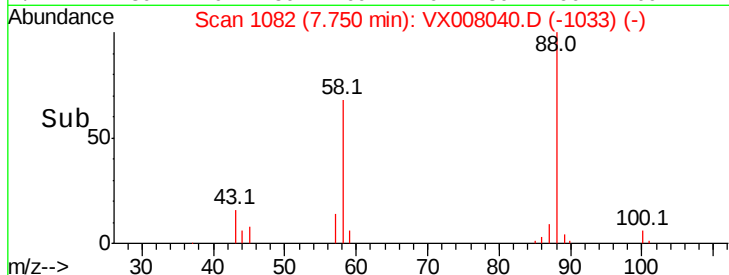
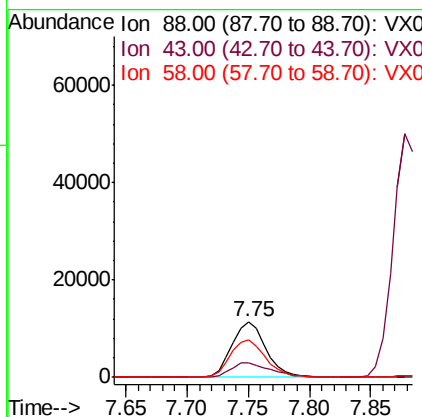
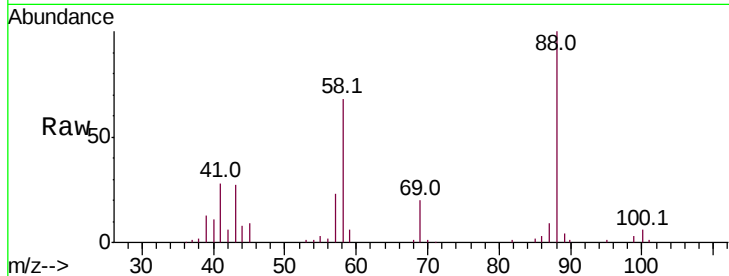
ClientSampleId :

VX0313MBS01

Tot Ion:	88	Resp:	21996
Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.1	37.7
58	71.2	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 50.639 ug/l

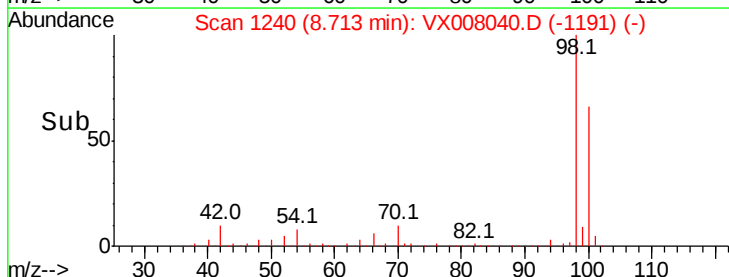
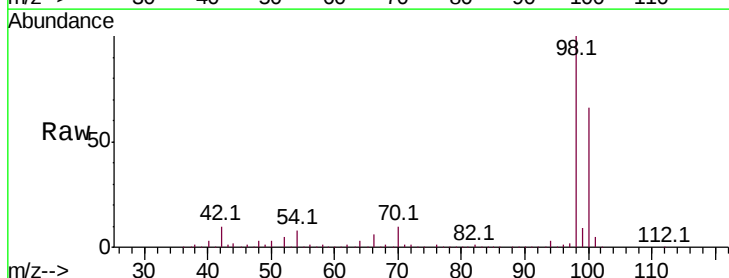
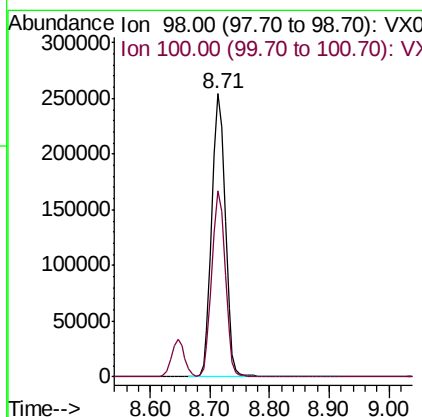
RT: 8.71 min Scan# 1240

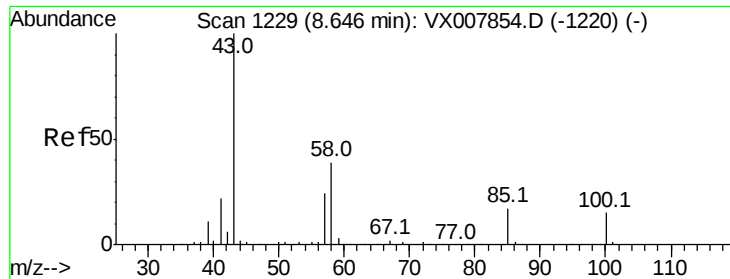
Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Tgt Ion:	98	Resp:	396102
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.7	77.5





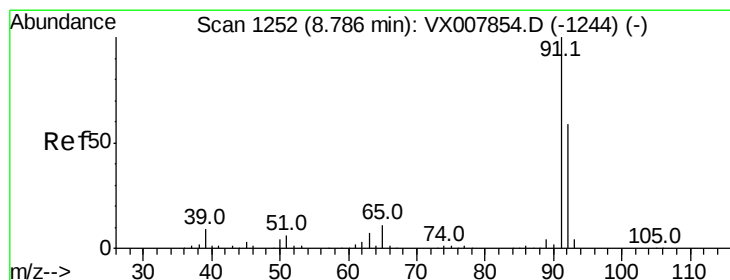
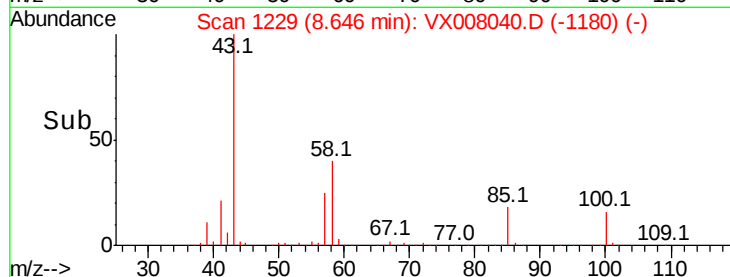
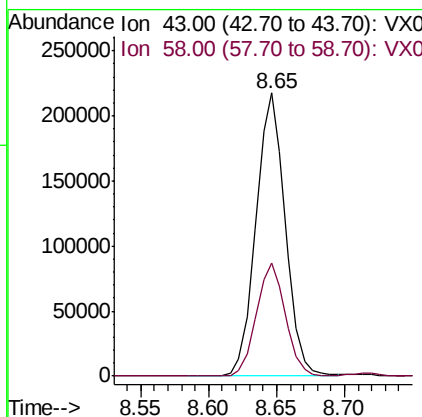
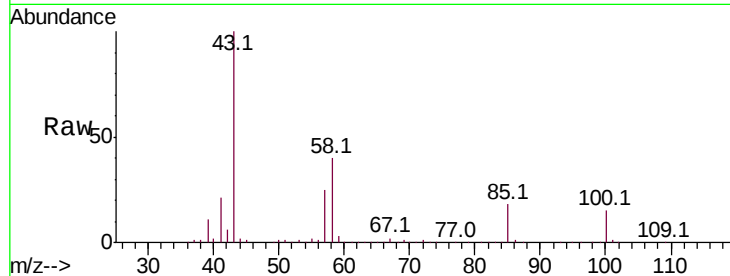
#51
4-Methyl-2-Pentanone
Concen: 96.825 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampled :
VX0313MBS01

Tot Ion	43	58	Ratio	100	39.6	Resp	329712	Lower	31.3	Upper	46.9
Ion	43	58	Ratio	100	39.6	Resp	329712	Lower	31.3	Upper	46.9

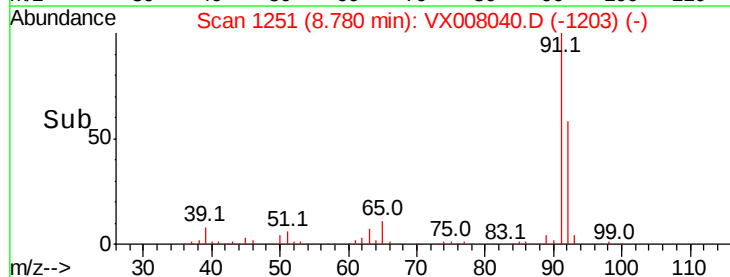
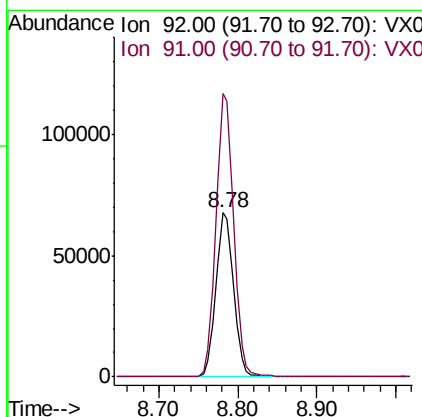
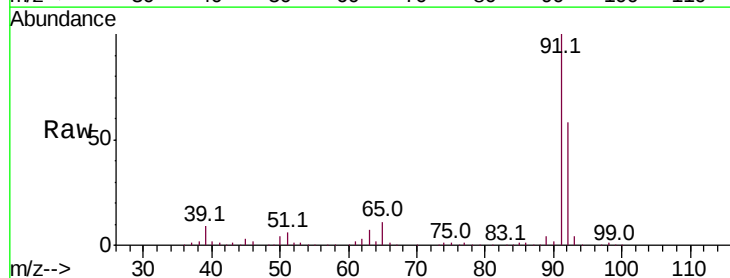
Manual Integrations
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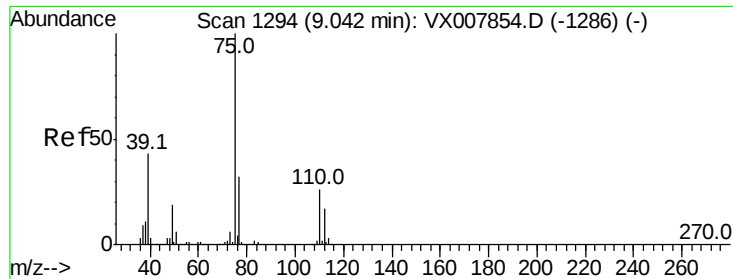
MMDadoda
3/14/2019 10:17:50 AM



#52
Toluene
Concen: 19.424 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	92	91	Ratio	100	172.9	Resp	106440	Lower	137.4	Upper	206.0
Ion	92	91	Ratio	100	172.9	Resp	106440	Lower	137.4	Upper	206.0





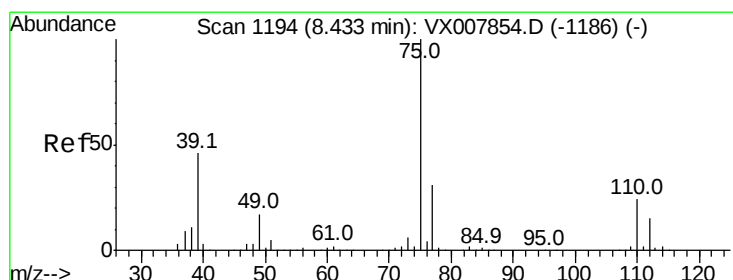
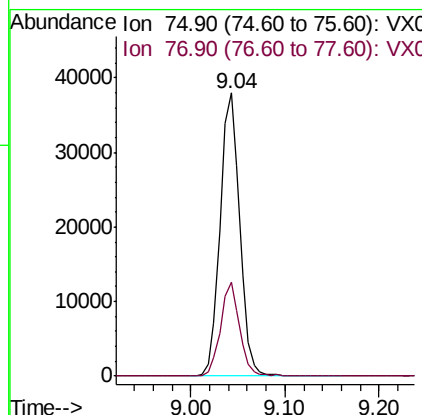
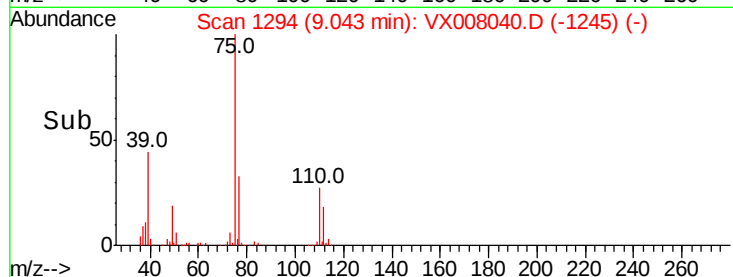
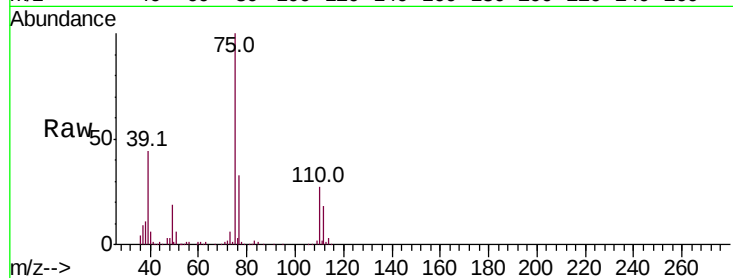
#53
 t-1,3-Dichloropropene
 Concen: 18.454 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313MBS01

Tot Ion: 75 Resp: 54787
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.4 38.0

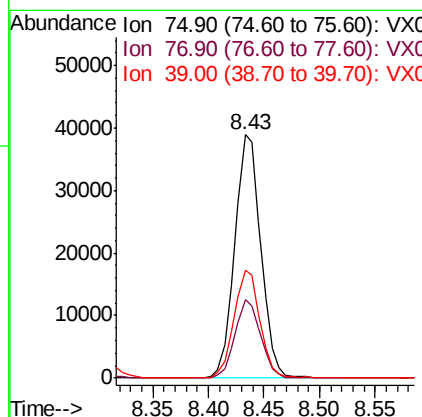
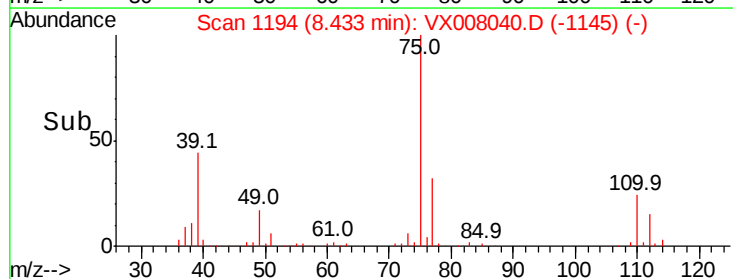
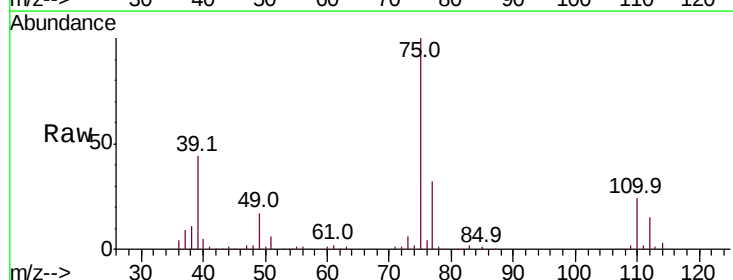
Manual Integrations
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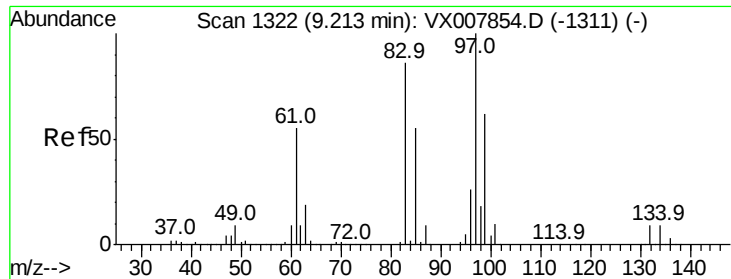
MMDadoda
 3/14/2019 10:17:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.770 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Tgt Ion: 75 Resp: 62927
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6
 39 44.1 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 19.887 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

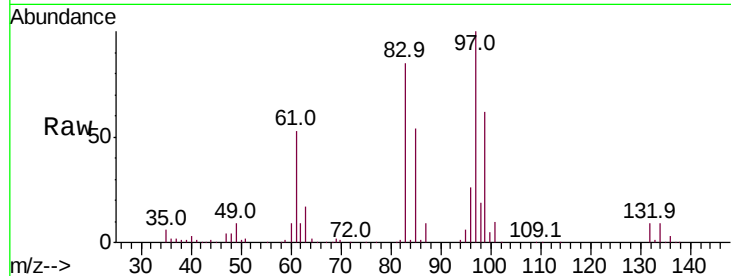
ClientSampleId :

VX0313MBS01

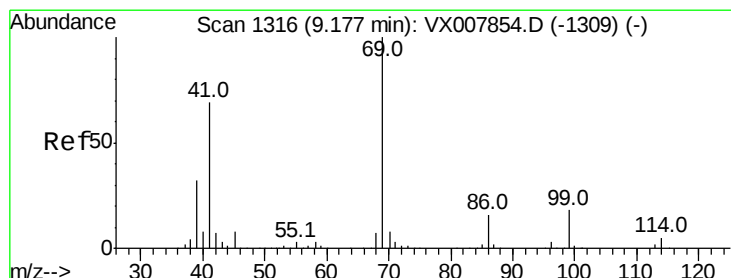
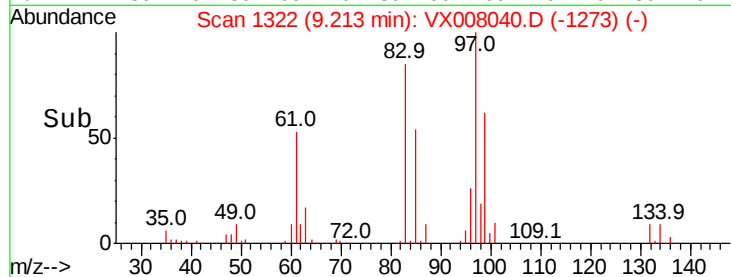
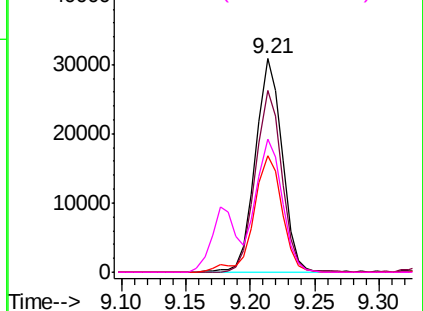
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		44115		
83	84.9	69.1	103.7		
85	54.4	44.3	66.5		
99	61.9	49.8	74.8		

Manual Integrations
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3/14/2019 10:17:50 AM



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.966 ug/l

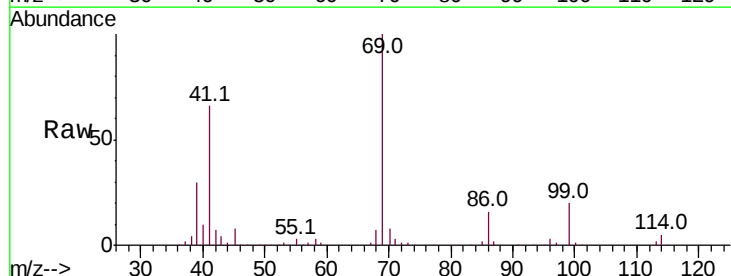
RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

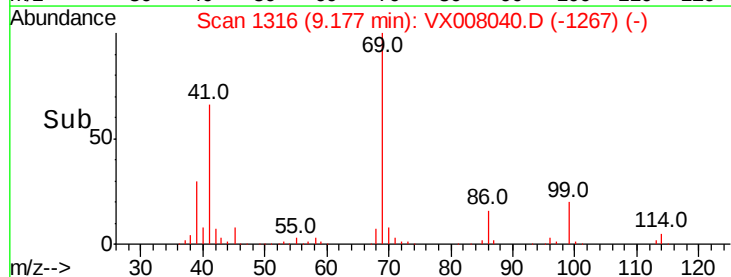
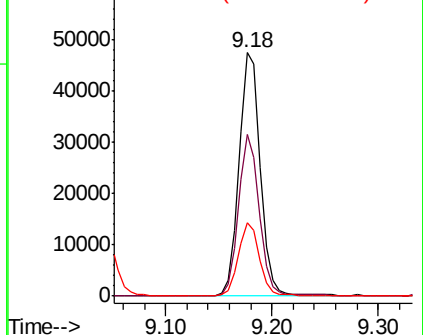
Lab File: VX008040.D

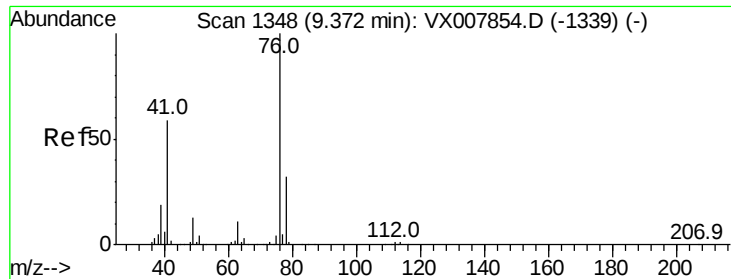
Acq: 13 Mar 2019 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		66499		
41	65.1	54.2	81.4		
39	29.4	25.0	37.4		



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.467 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 76 Resp: 72507

Ion Ratio Lower Upper

76 100

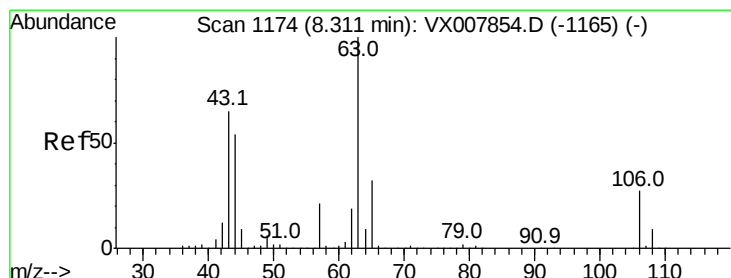
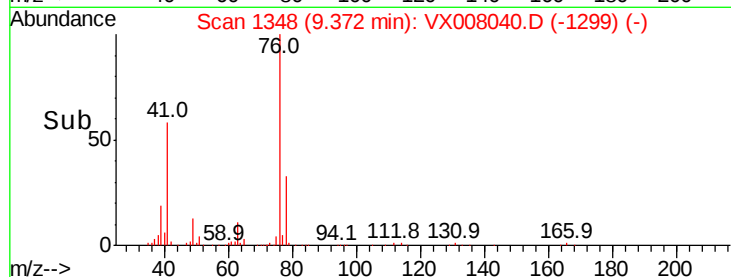
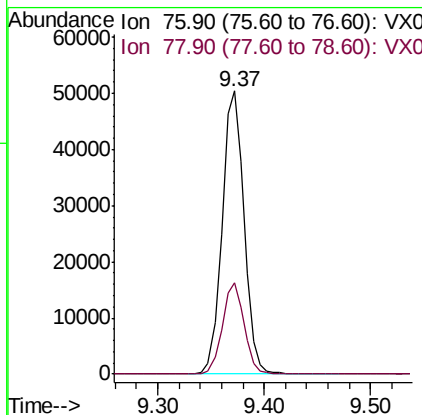
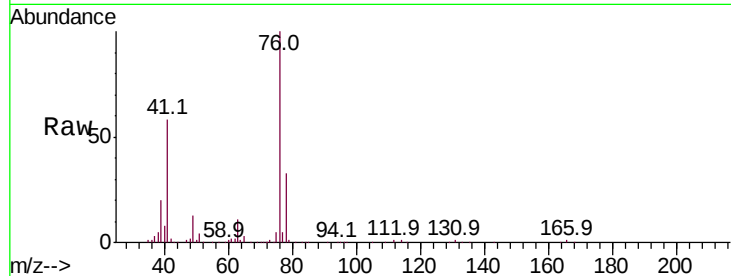
78 32.1 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

3/14/2019 10:17:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.414 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008040.D

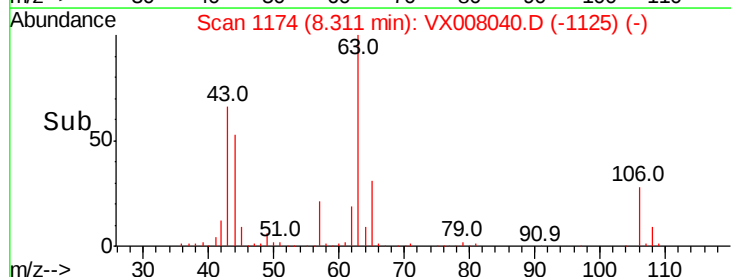
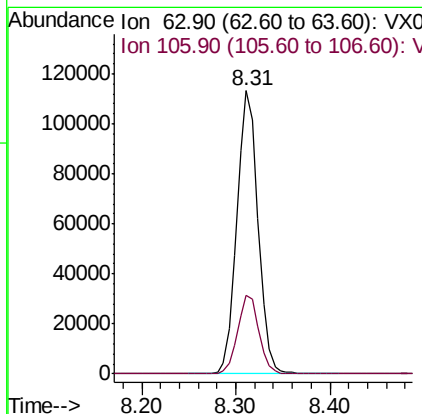
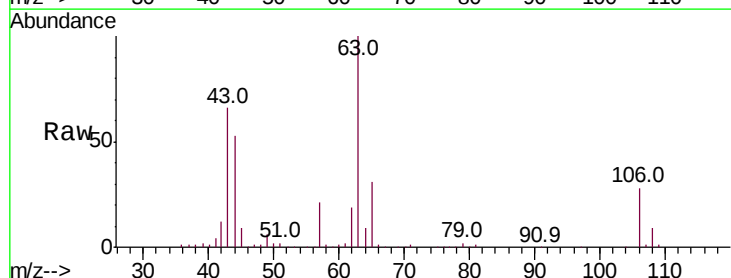
Acq: 13 Mar 2019 11:19

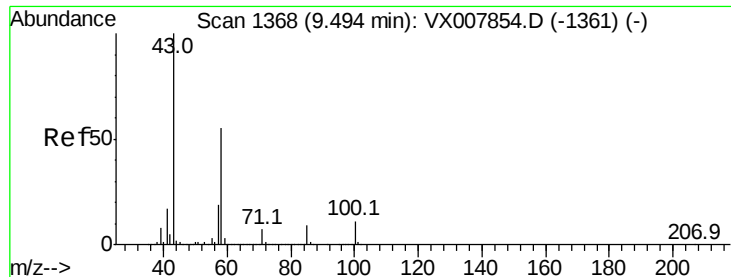
Tgt Ion: 63 Resp: 176446

Ion Ratio Lower Upper

63 100

106 28.0 22.2 33.2





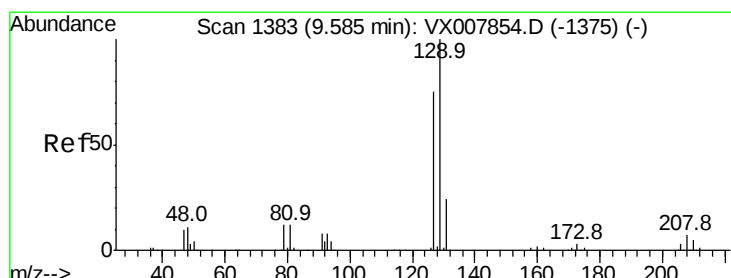
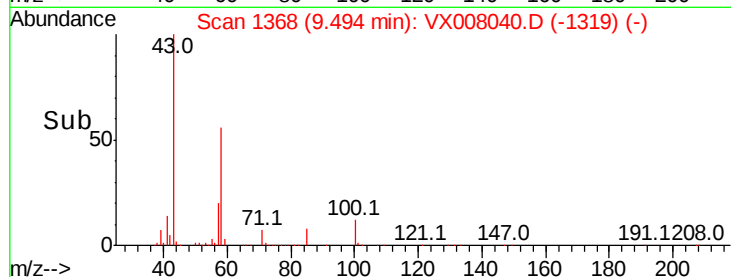
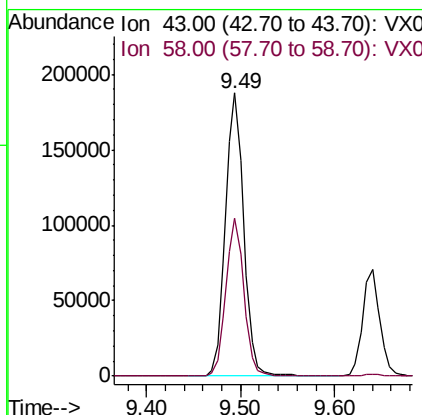
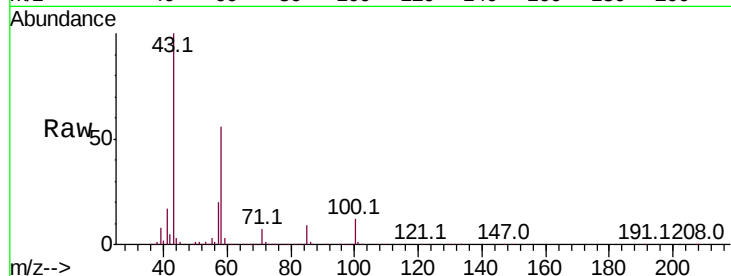
#59
2-Hexanone
Concen: 95.692 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion: 43 Resp: 252987
Ion Ratio Lower Upper
43 100
58 55.2 27.6 82.7

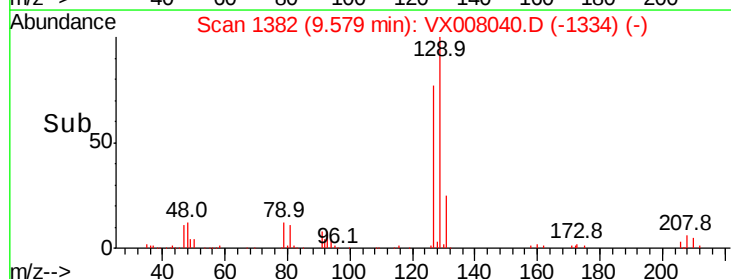
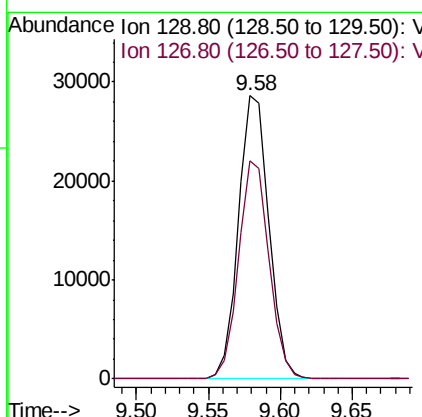
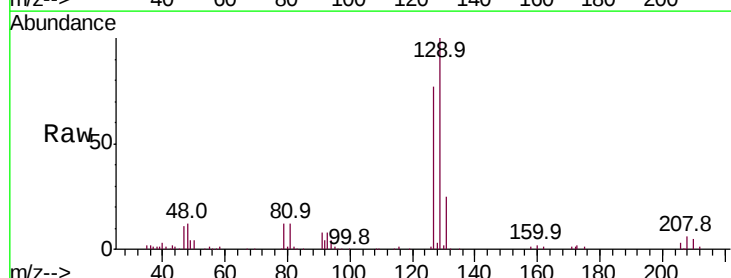
Manual Integrations
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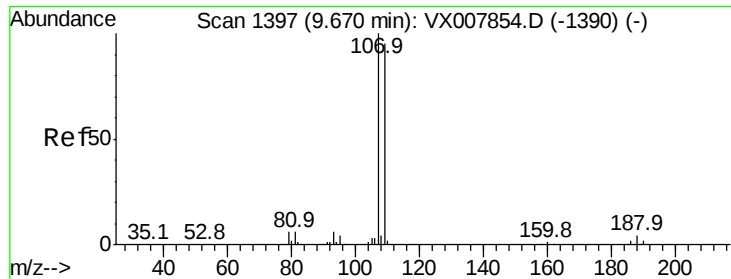
MMDadoda
3/14/2019 10:17:50 AM



#60
Dibromochloromethane
Concen: 18.124 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion: 129 Resp: 42024
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.392 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion:107 Resp: 45673

Ion Ratio Lower Upper

107 100

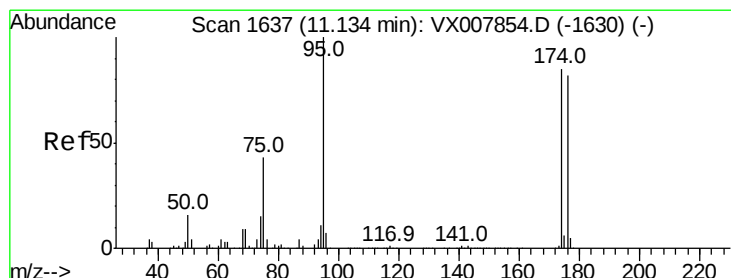
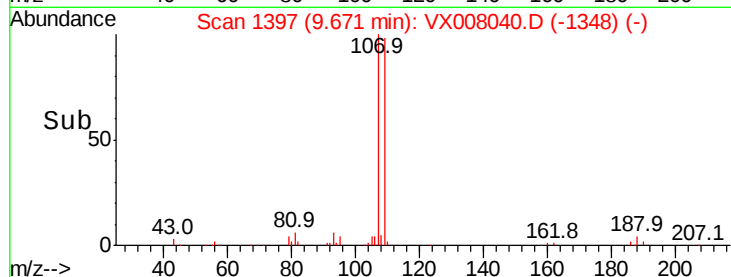
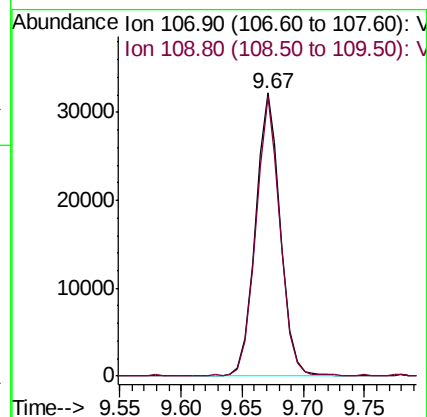
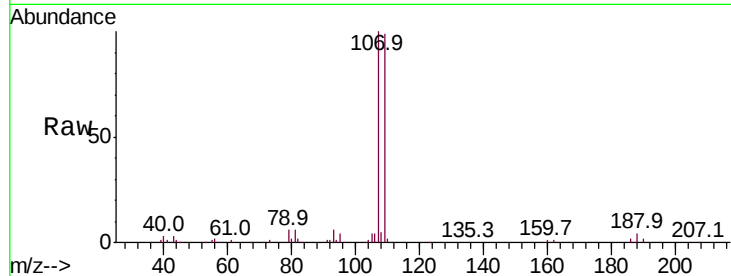
109 95.6 75.8 113.8

Manual Integrations

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MMDadoda

3/14/2019 10:17:50 AM



#62

4-Bromofluorobenzene

Concen: 51.333 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

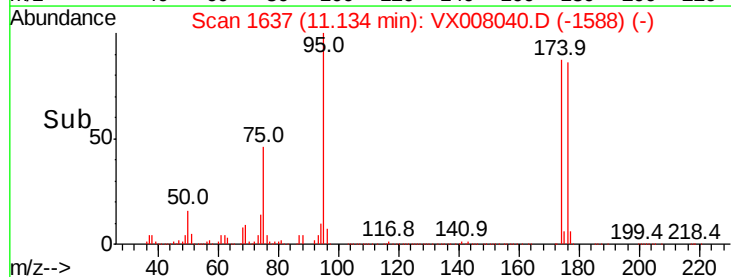
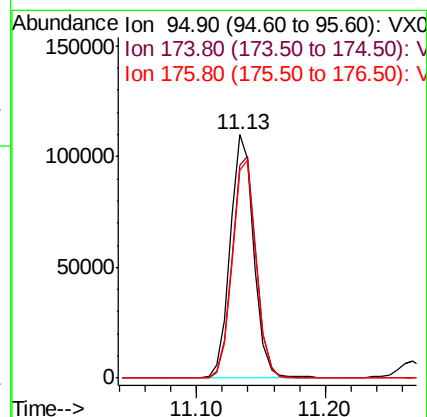
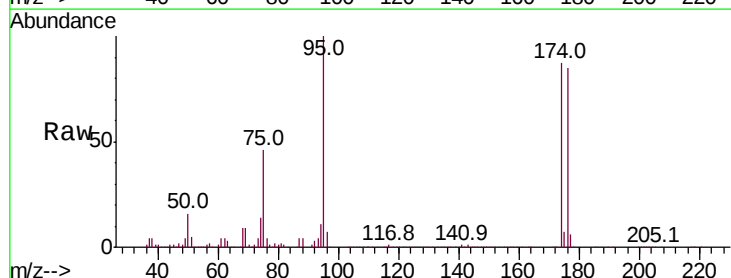
Tgt Ion: 95 Resp: 140776

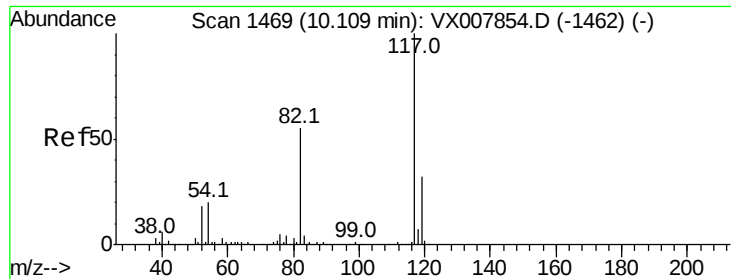
Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.8

176 90.7 0.0 178.0





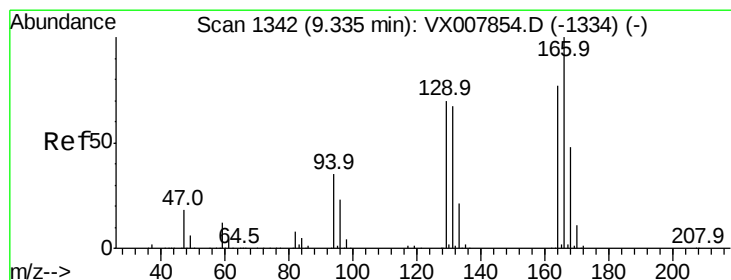
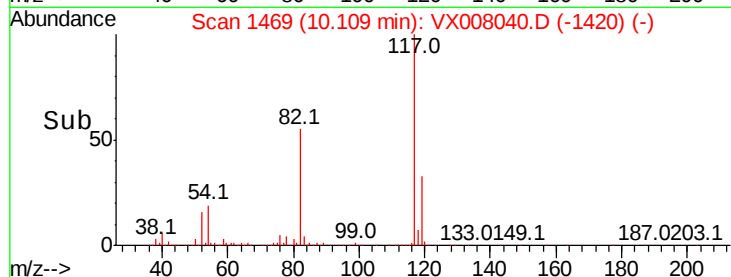
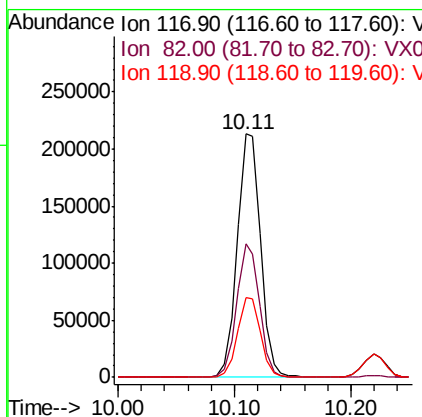
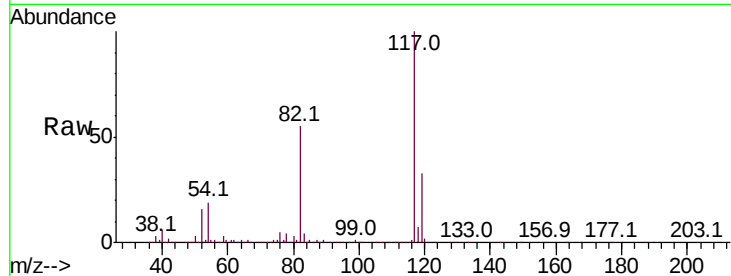
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298142		
82	55.0	44.3	66.5	
119	32.6	25.3	37.9	

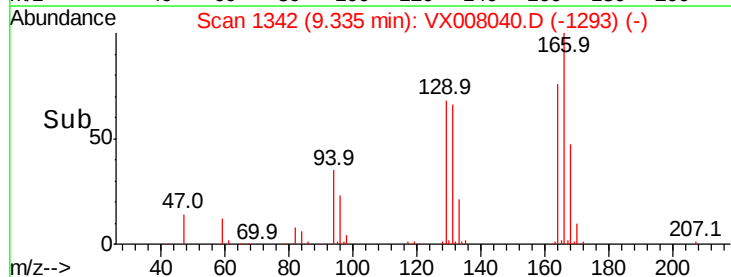
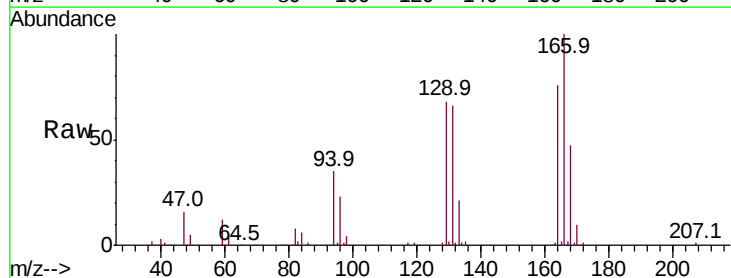
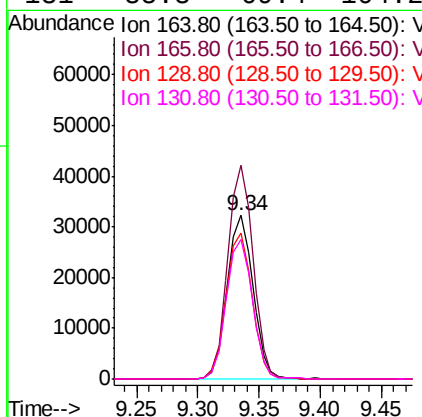
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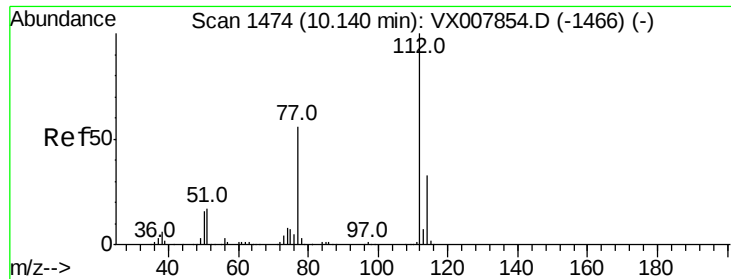
MMDadoda
3/14/2019 10:17:50 AM



#64
Tetrachloroethene
Concen: 19.069 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47114		
166	130.8	103.4	155.0	
129	89.3	72.2	108.4	
131	85.8	69.4	104.2	





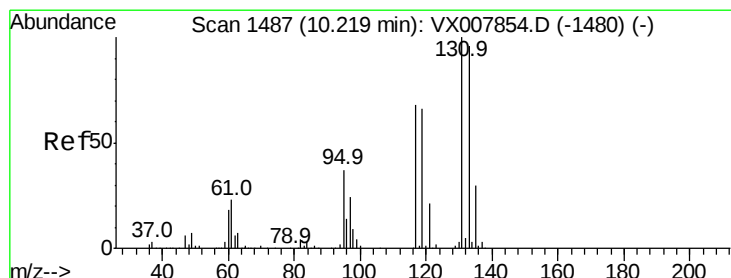
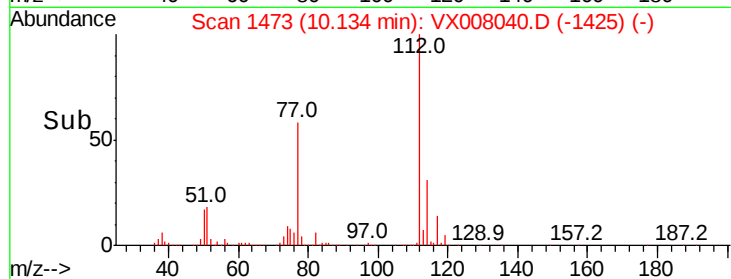
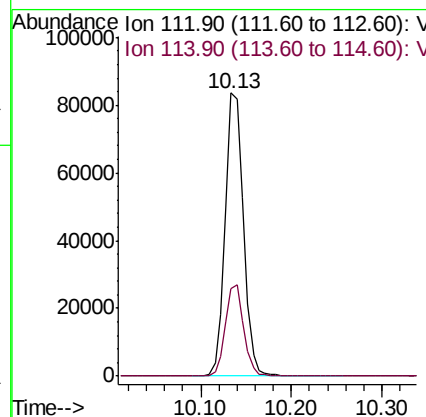
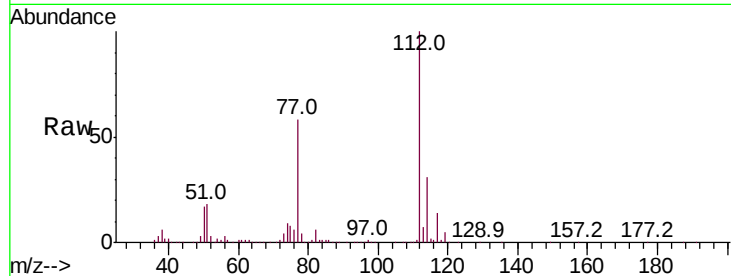
#65
Chlorobenzene
Concen: 18.895 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion:112 Resp: 117881
Ion Ratio Lower Upper
112 100
114 31.1 26.0 39.0

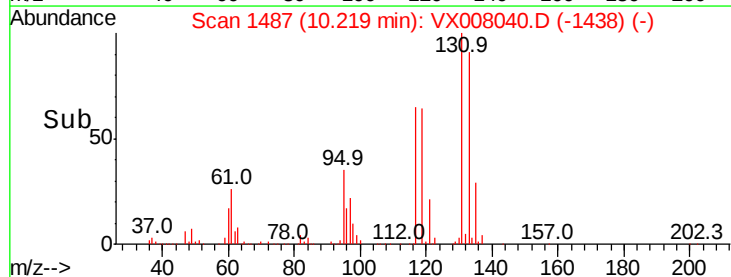
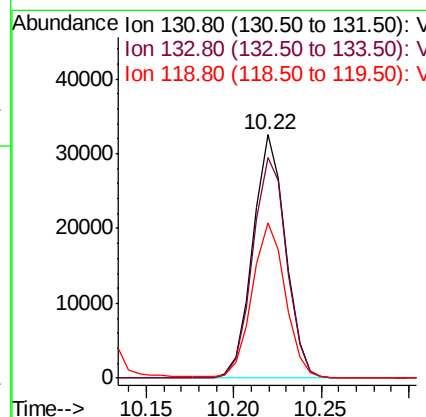
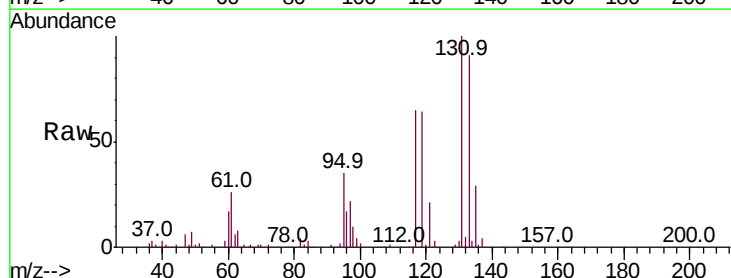
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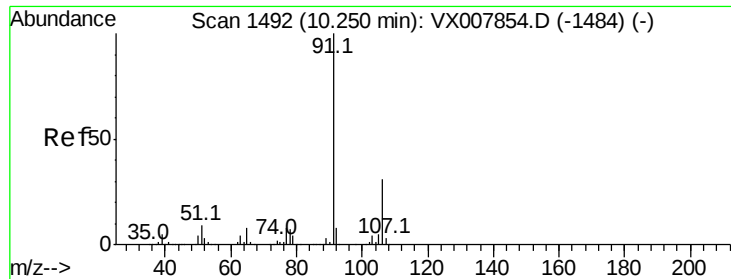
MMDadoda
3/14/2019 10:17:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.932 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion:131 Resp: 42333
Ion Ratio Lower Upper
131 100
133 94.6 47.8 143.3
119 65.0 32.5 97.5





#67

Ethyl Benzene

Concen: 19.339 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 91 Resp: 198606

Ion Ratio Lower Upper

91 100

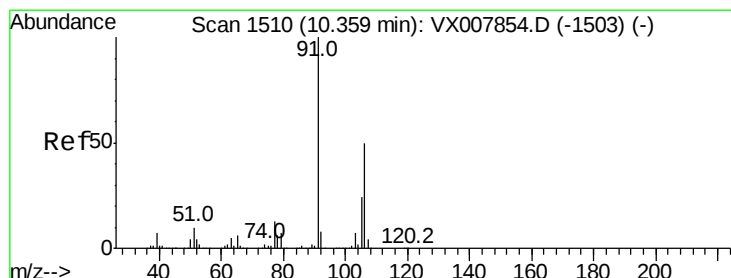
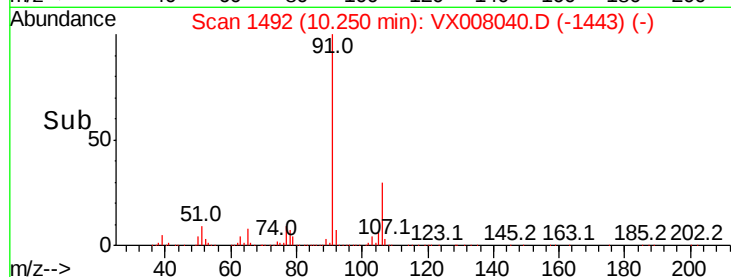
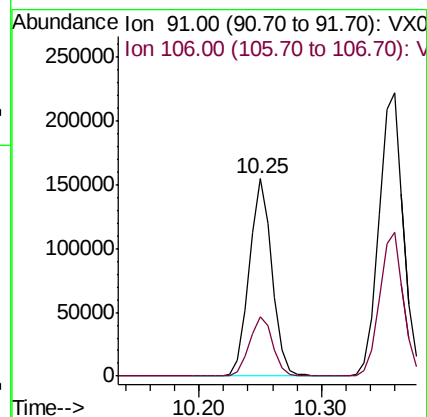
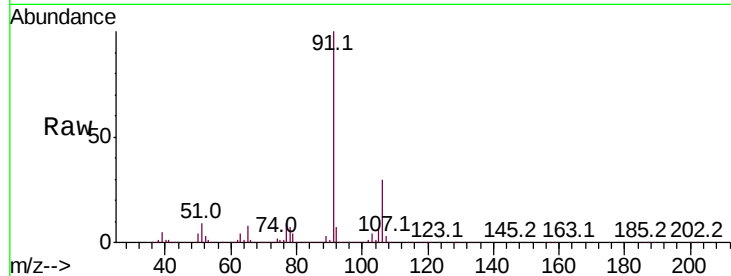
106 30.4 25.2 37.8

Manual Integrations

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3/14/2019 10:17:50 AM



#68

m/p-Xylenes

Concen: 38.460 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008040.D

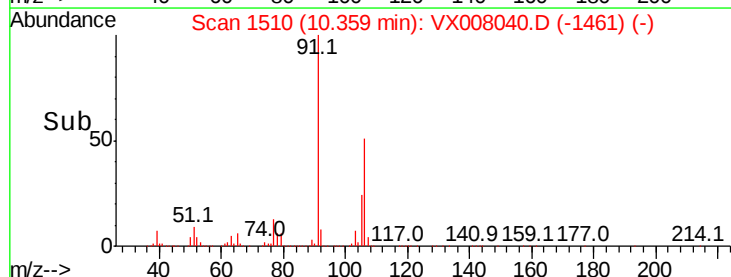
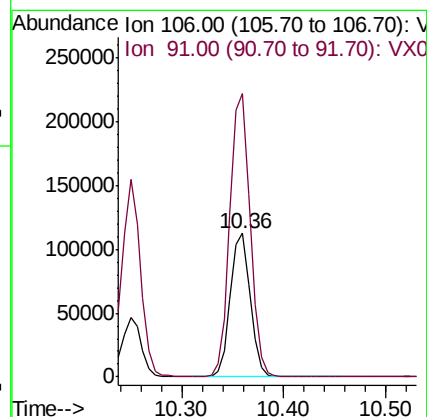
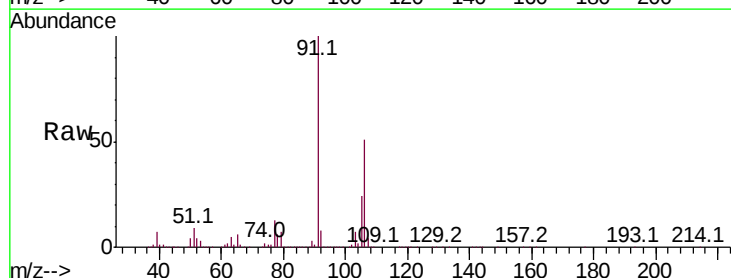
Acq: 13 Mar 2019 11:19

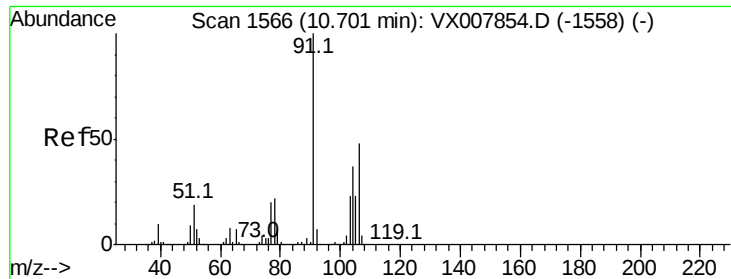
Tgt Ion: 106 Resp: 152242

Ion Ratio Lower Upper

106 100

91 200.8 159.8 239.6





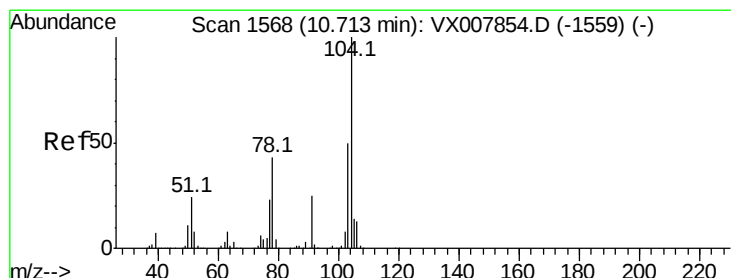
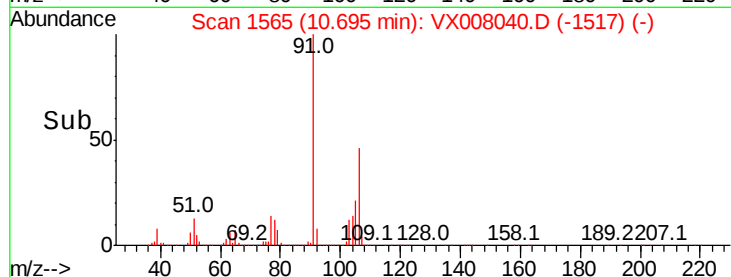
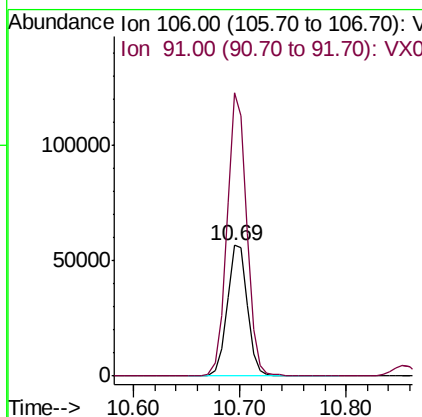
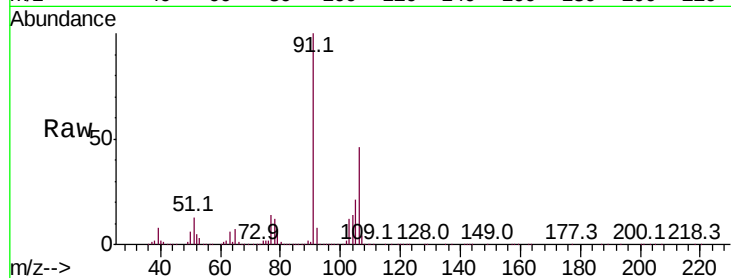
#69
o-Xylene
Concen: 19.755 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion:106 Resp: 75497
Ion Ratio Lower Upper
106 100
91 209.5 106.3 318.9

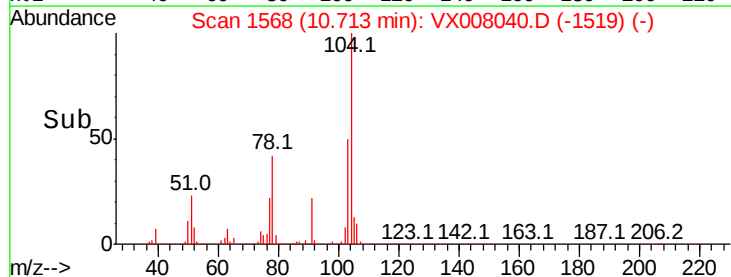
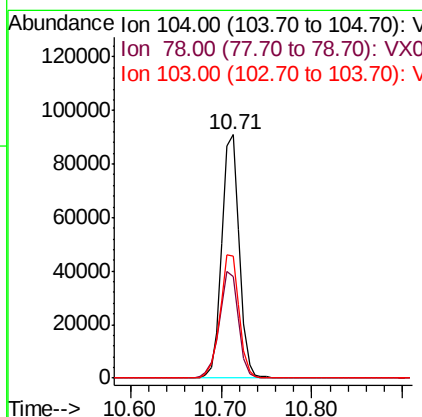
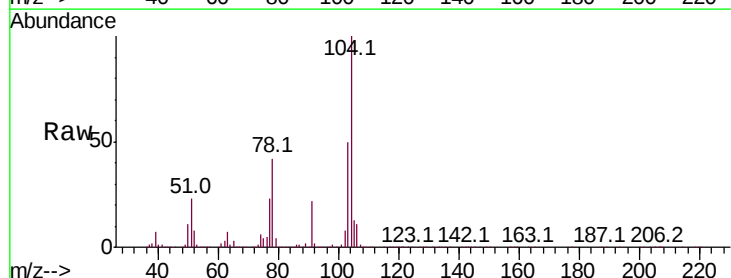
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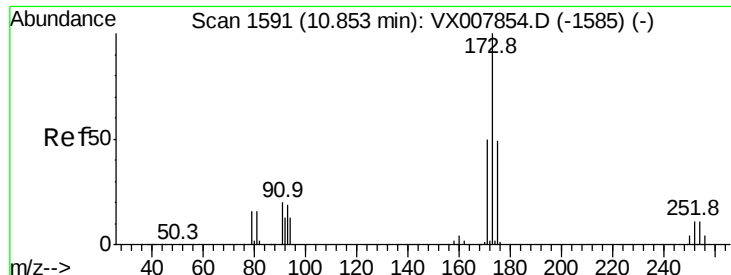
MMDadoda
3/14/2019 10:17:50 AM



#70
Styrene
Concen: 19.653 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion:104 Resp: 122906
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 55.2 44.1 66.1





#71

Bromoform

Concen: 17.114 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion:173 Resp: 32863

Ion Ratio Lower Upper

173 100

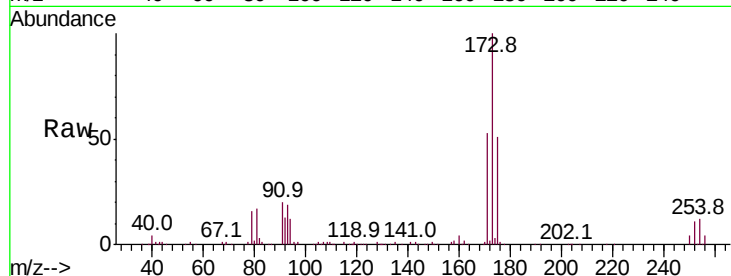
175 50.3 24.3 72.9

254 0.1 0.1 0.1#

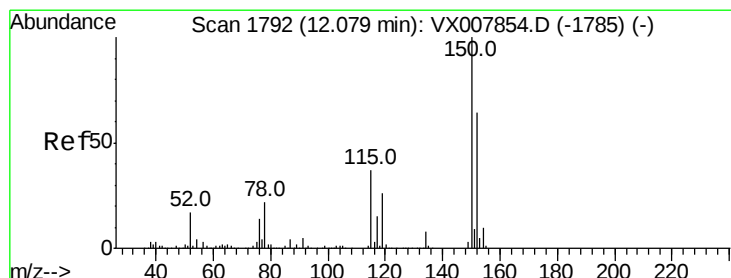
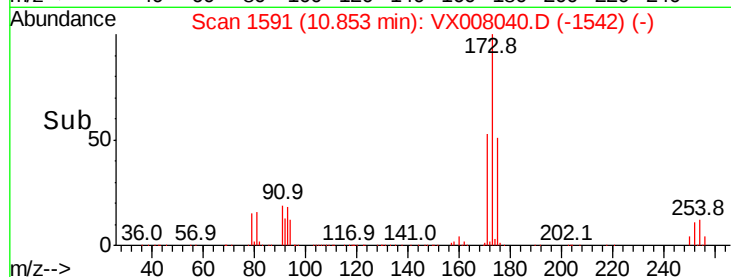
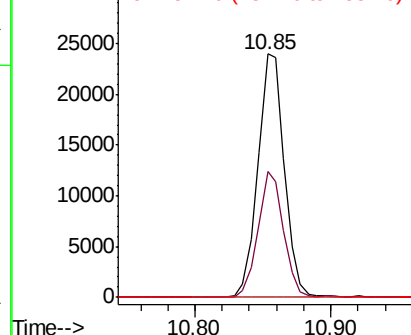
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

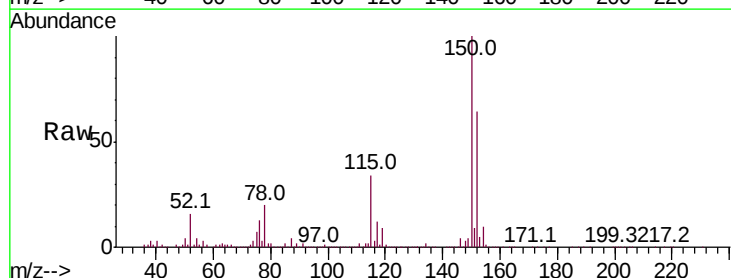
Tgt Ion:152 Resp: 149863

Ion Ratio Lower Upper

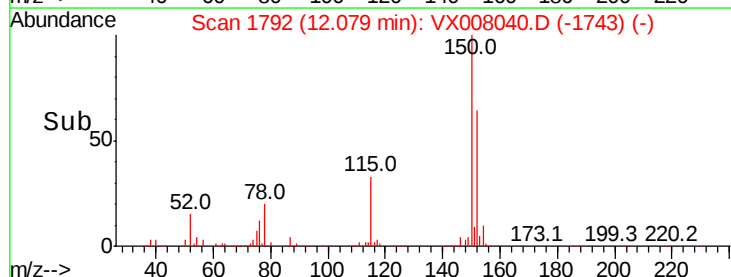
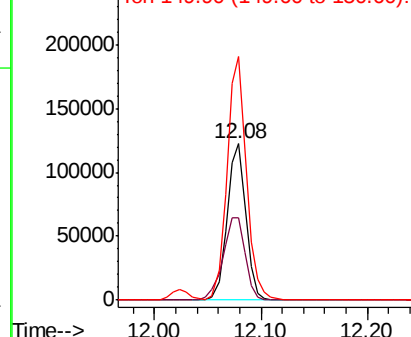
152 100

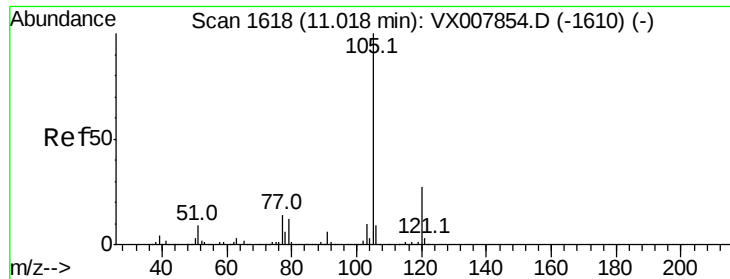
115 62.2 38.6 115.7

150 160.9 0.0 348.4



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





#73

Isopropylbenzene

Concen: 19.774 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion:105 Resp: 200416

Ion Ratio Lower Upper

105 100

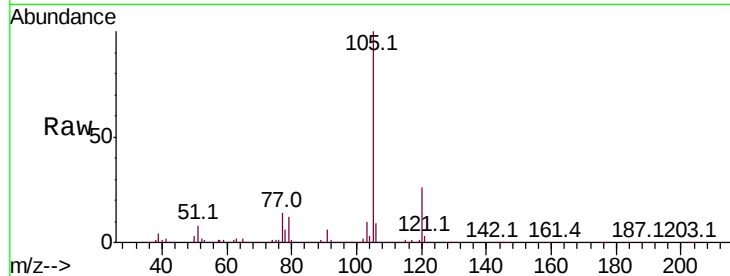
120 26.7 13.4 40.1

Manual Integrations

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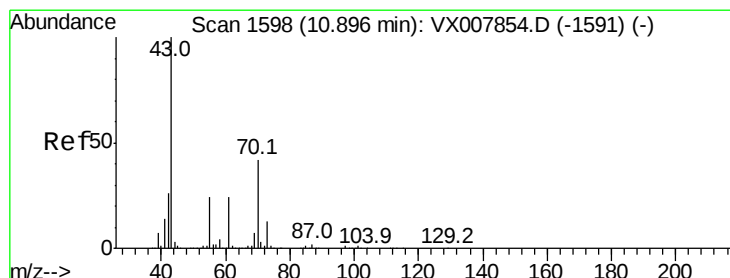
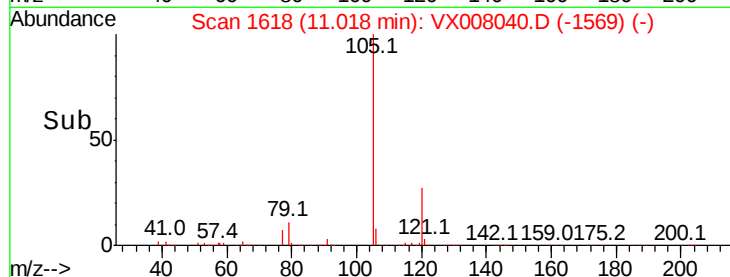
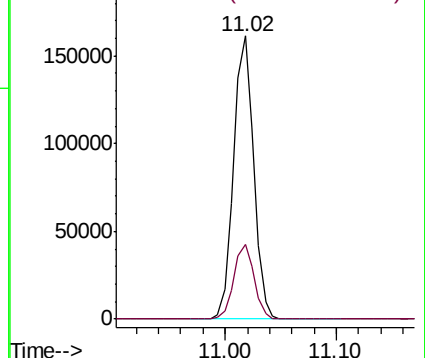
MMDadoda

3/14/2019 10:17:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.477 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Tgt Ion: 43 Resp: 85496

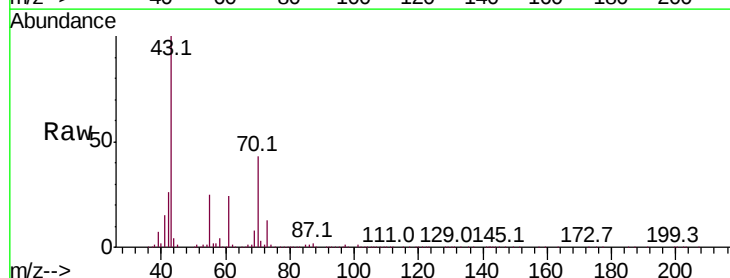
Ion Ratio Lower Upper

43 100

70 43.3 33.5 50.3

55 25.2 19.2 28.8

61 24.7 19.0 28.6

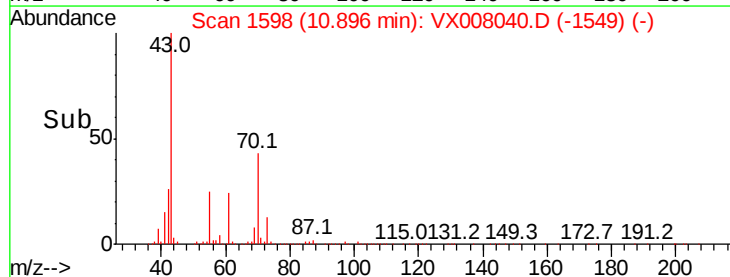
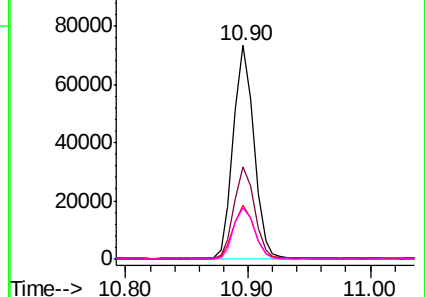


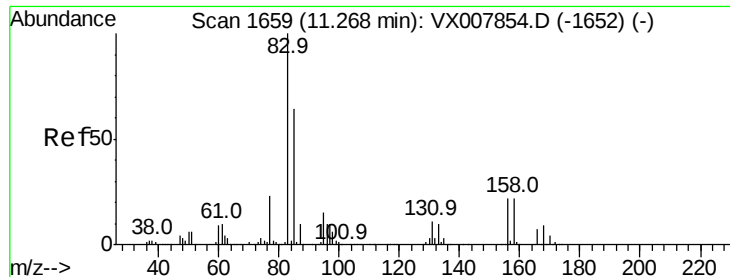
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.528 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 83 Resp: 64776

Ion Ratio Lower Upper

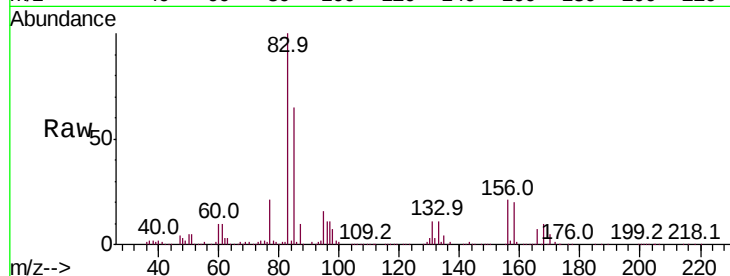
83 100

131 11.2 5.4 16.2

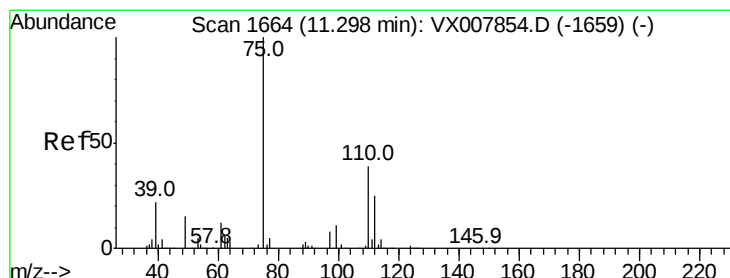
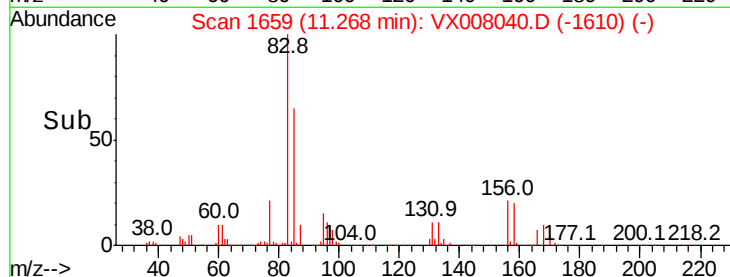
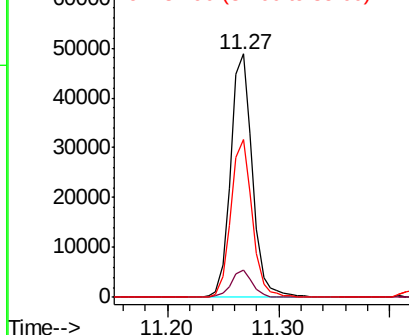
85 65.0 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 17.564 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008040.D

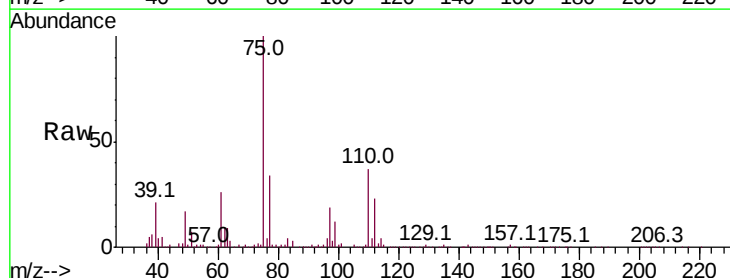
Acq: 13 Mar 2019 11:19

Tgt Ion: 75 Resp: 55235

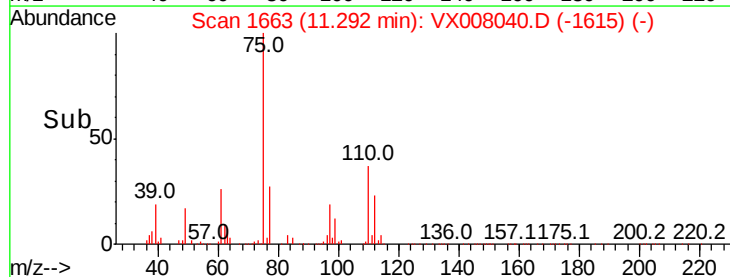
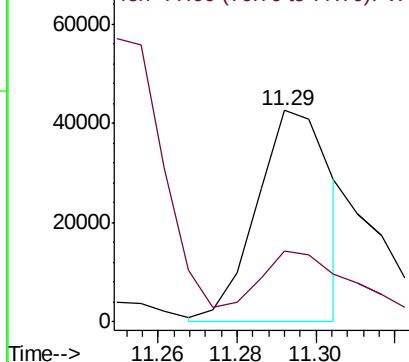
Ion Ratio Lower Upper

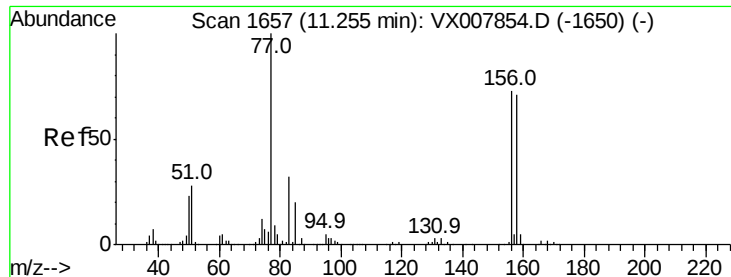
75 100

77 44.0 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.431 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion:156 Resp: 53996

Ion Ratio Lower Upper

156 100

77 140.0 72.0 215.9

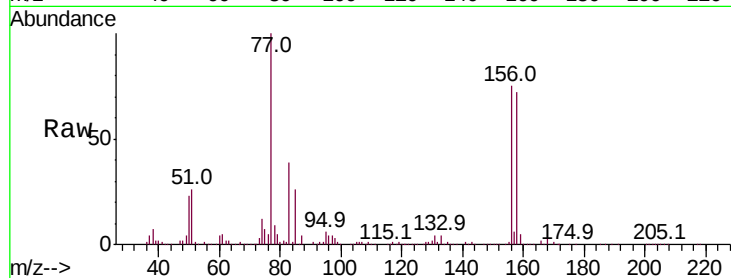
158 95.6 48.6 145.9

Manual Integrations

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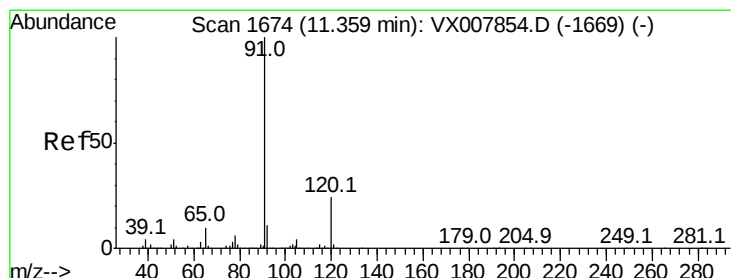
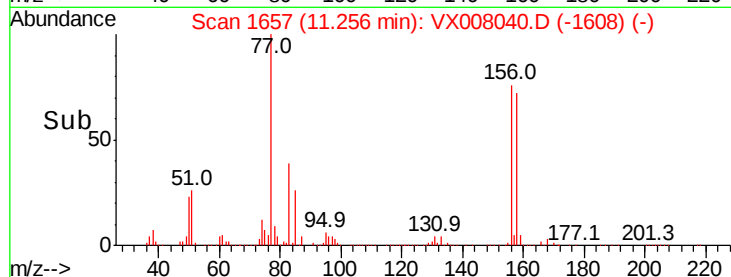
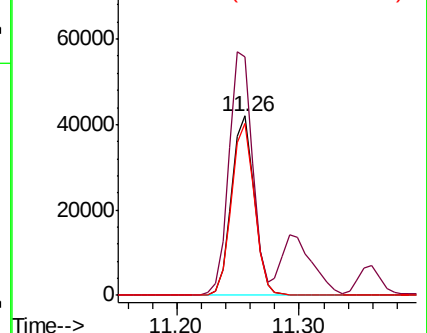
3/14/2019 10:17:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.529 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008040.D

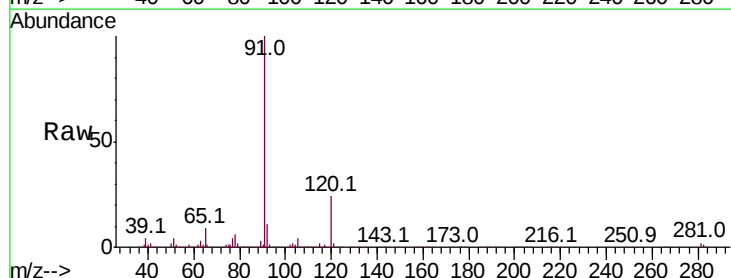
Acq: 13 Mar 2019 11:19

Tgt Ion: 91 Resp: 219588

Ion Ratio Lower Upper

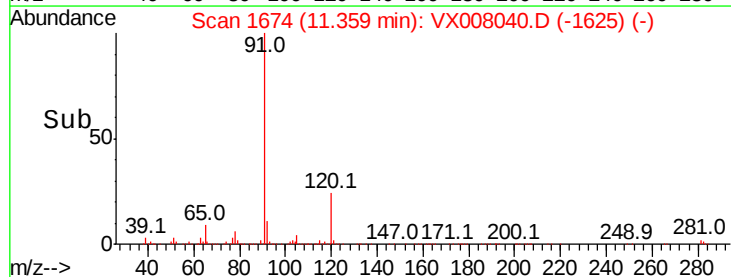
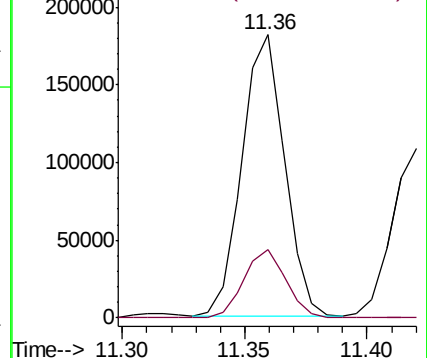
91 100

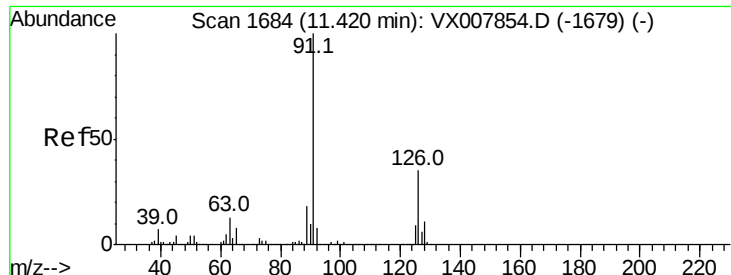
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.254 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 91 Resp: 132372

Ion Ratio Lower Upper

91 100

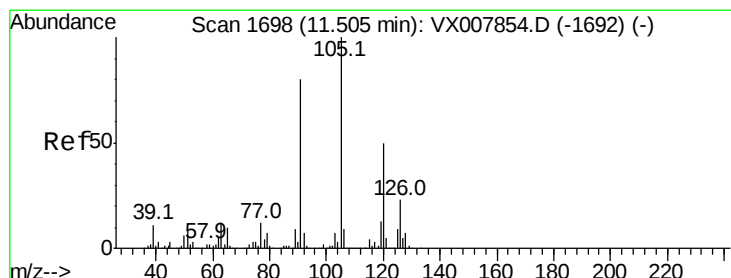
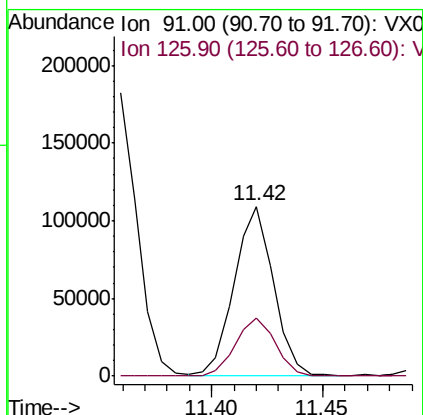
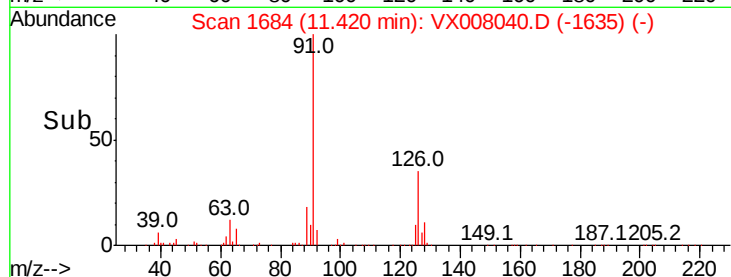
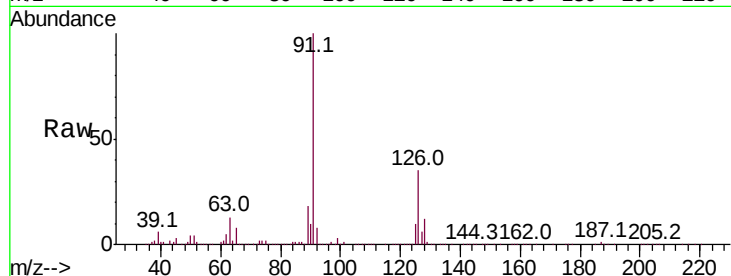
126 35.3 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.866 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008040.D

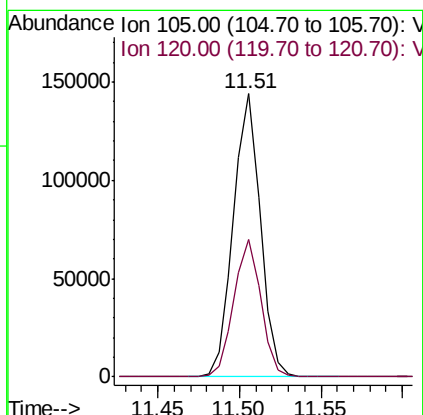
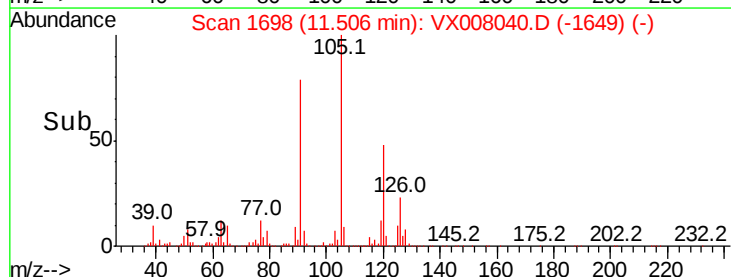
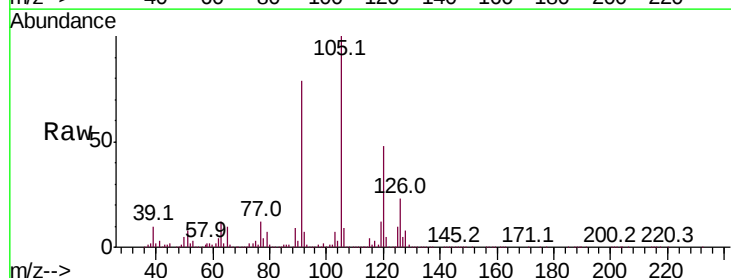
Acq: 13 Mar 2019 11:19

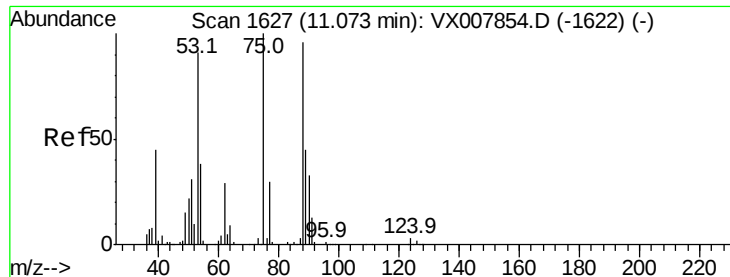
Tgt Ion: 105 Resp: 165726

Ion Ratio Lower Upper

105 100

120 48.7 24.9 74.6





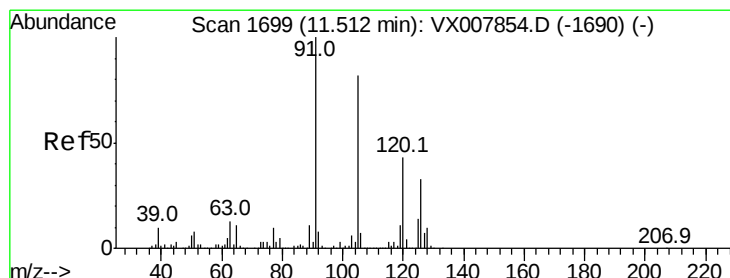
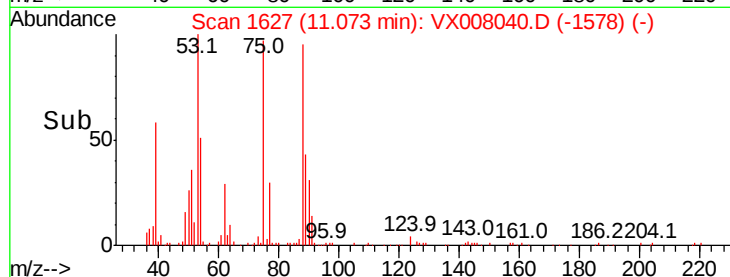
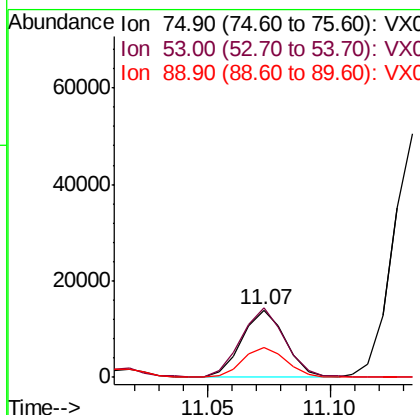
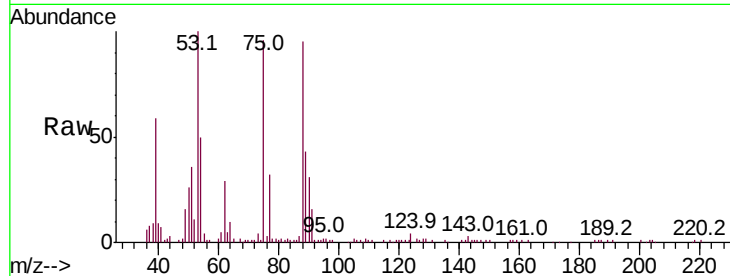
#81
trans-1,4-Dichloro-2-butene
Concen: 17.341 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion: 75 Resp: 17060
Ion Ratio Lower Upper
75 100
53 103.2 76.1 114.1
89 45.8 36.3 54.5

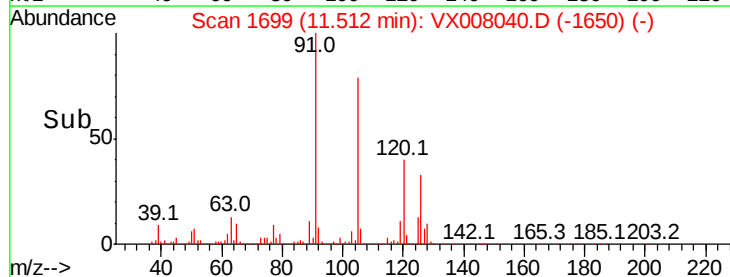
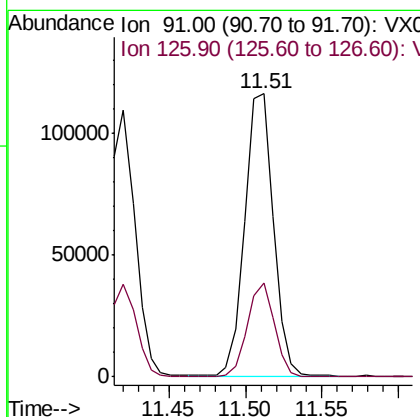
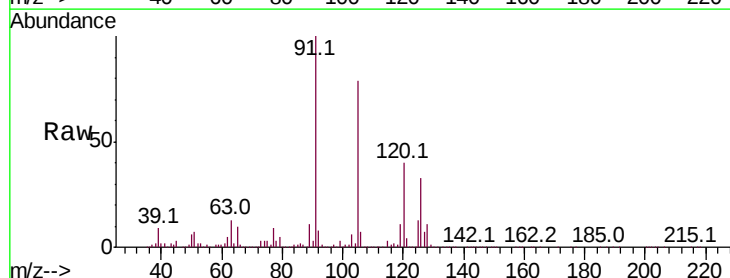
Manual Integrations
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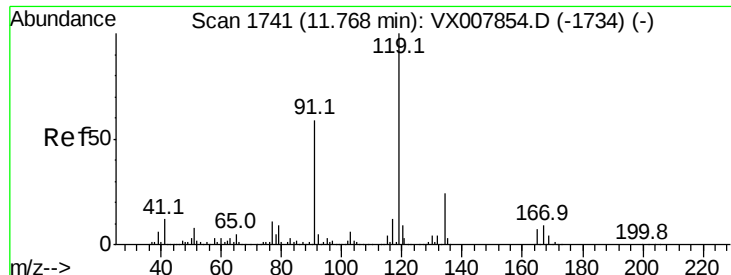
MMDadoda
3/14/2019 10:17:50 AM



#82
4-Chlorotoluene
Concen: 19.042 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion: 91 Resp: 150027
Ion Ratio Lower Upper
91 100
126 31.6 15.6 46.8





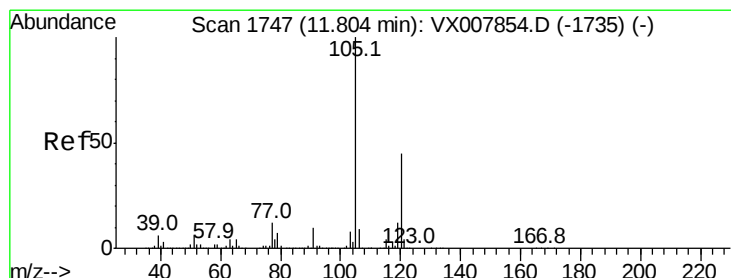
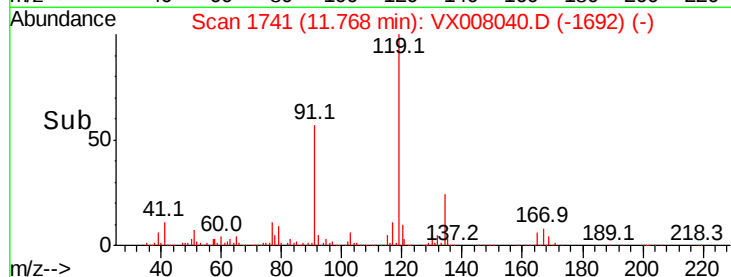
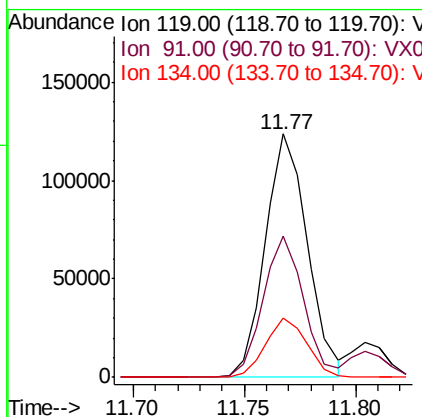
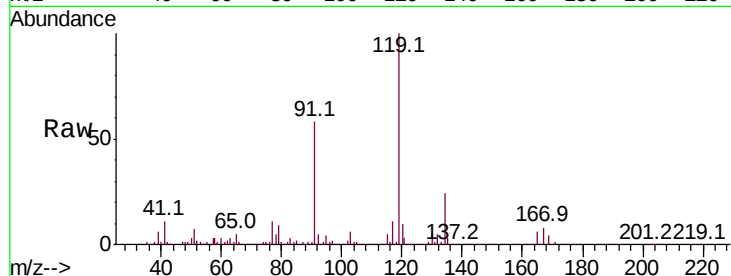
#83
tert-Butylbenzene
Concen: 19.275 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161964		
91	55.6	27.1	81.3	
134	24.0	11.4	34.1	

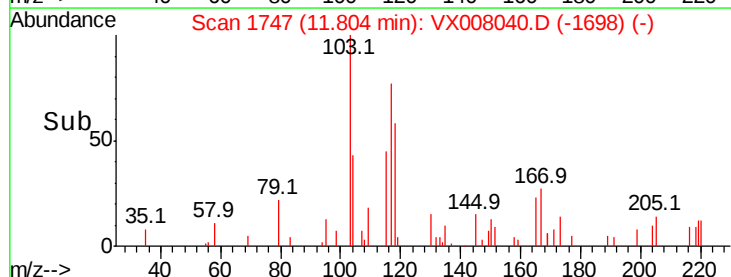
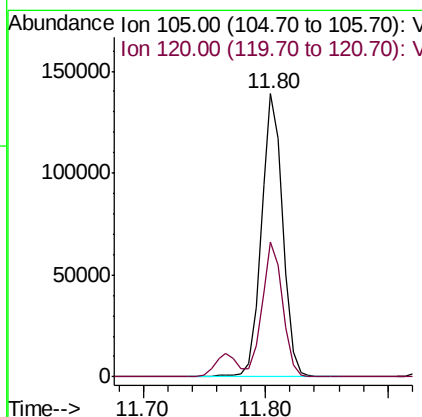
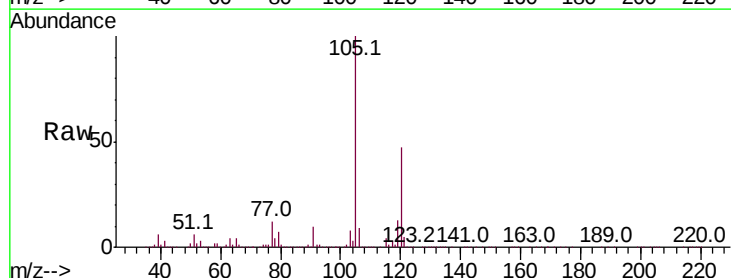
Manual Integrations
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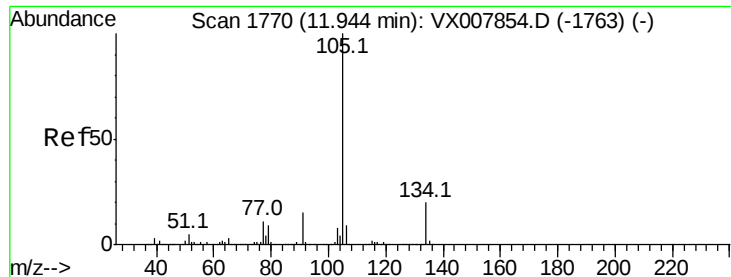
MMDadoda
3/14/2019 10:17:50 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.666 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	168173		
120	45.4	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.759 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion:105 Resp: 195551

Ion Ratio Lower Upper

105 100

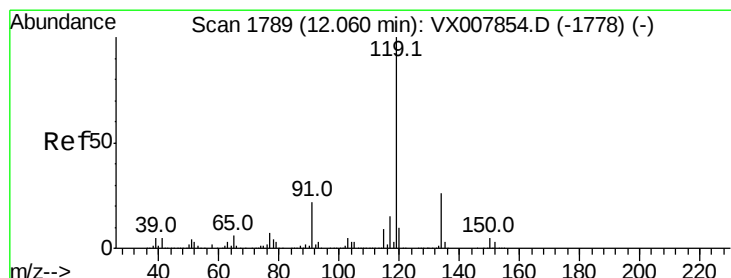
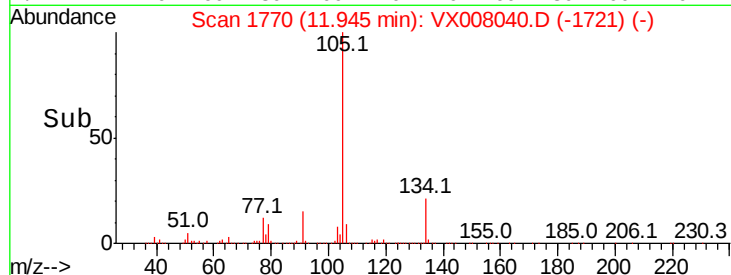
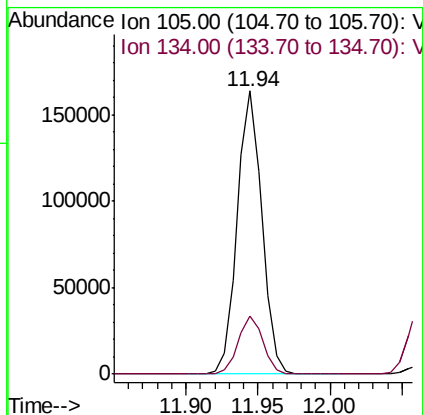
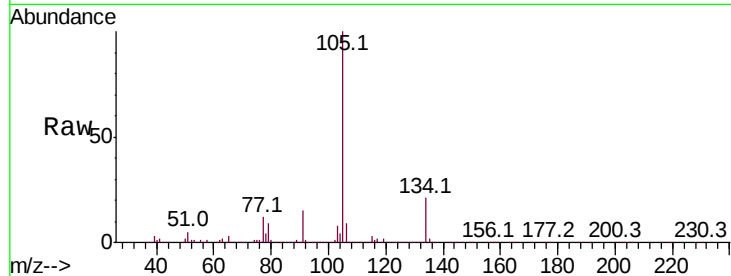
134 20.6 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.852 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

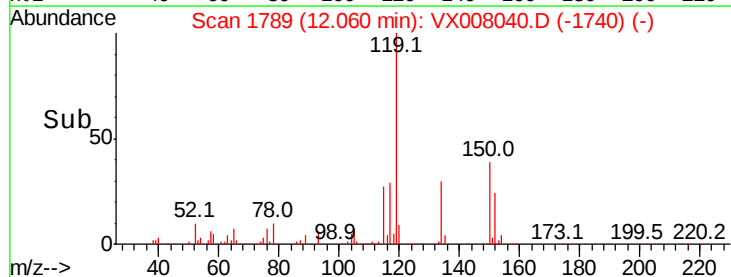
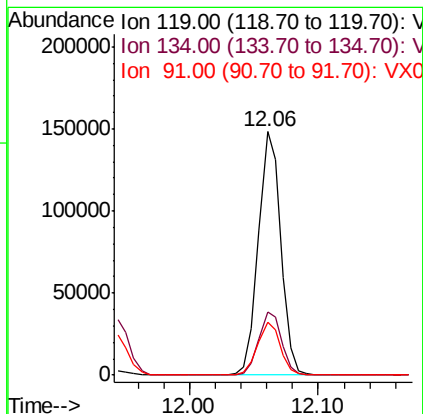
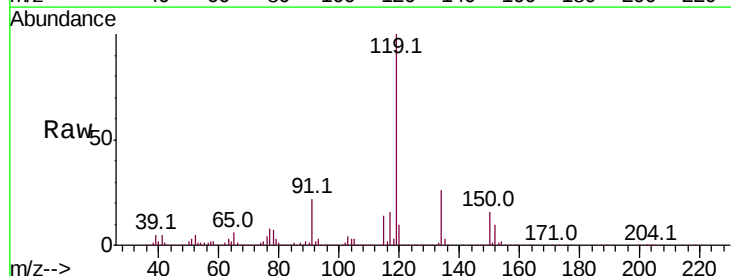
Tgt Ion:119 Resp: 175953

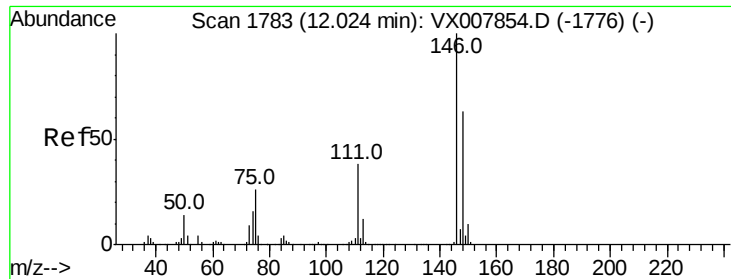
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 21.9 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 18.999 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

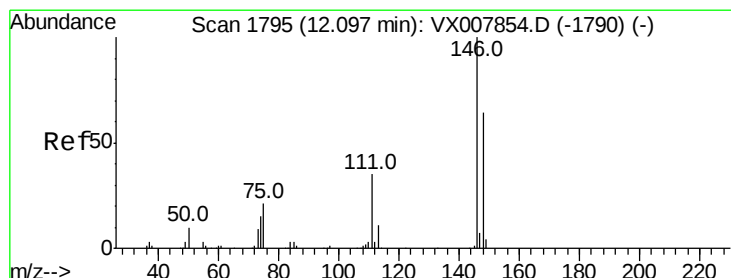
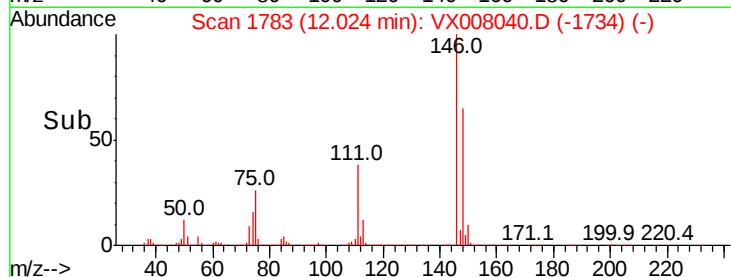
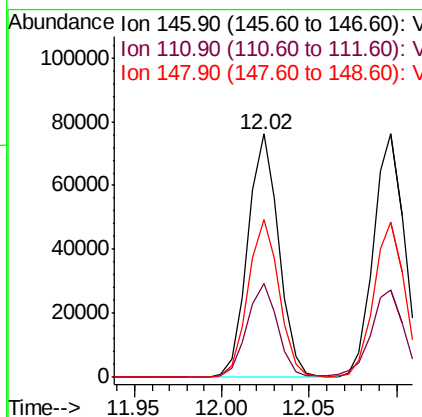
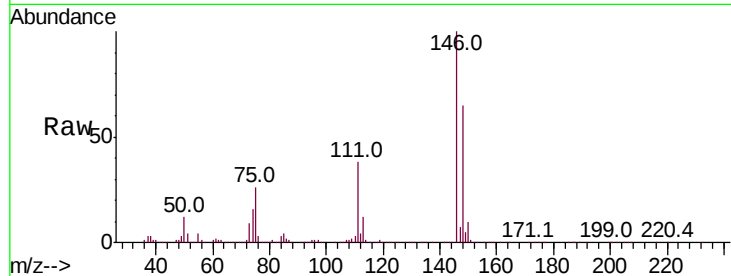
ClientSampleId :

VX0313MBS01

Tot Ion:	146	Resp:	93402
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.7
148	64.9	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 18.539 ug/l

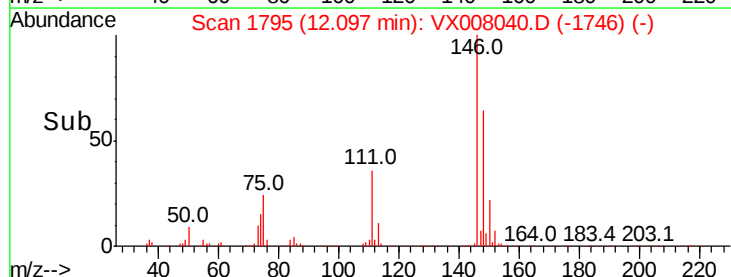
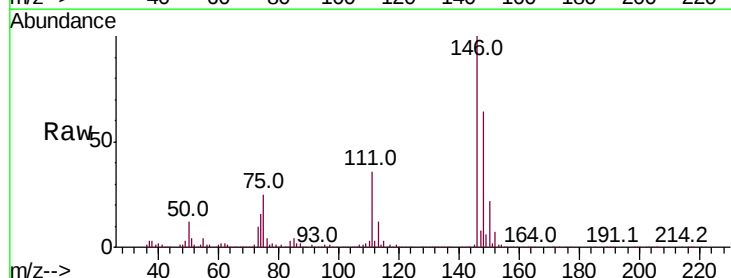
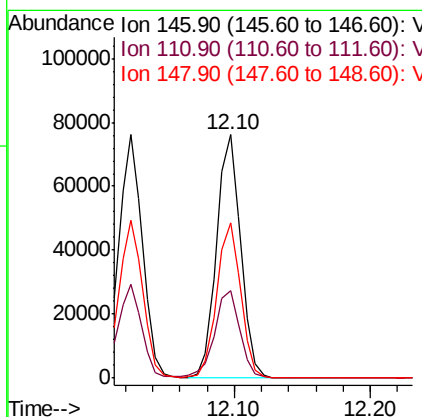
RT: 12.10 min Scan# 1795

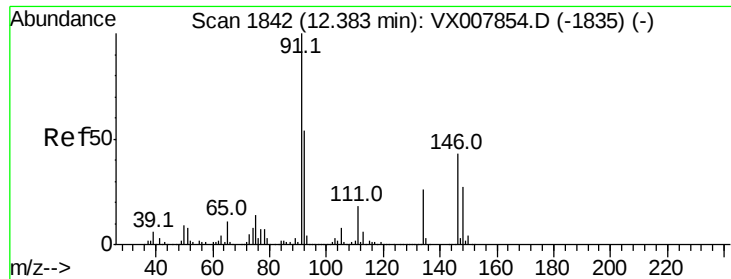
Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Tgt Ion:	146	Resp:	93334
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.4	55.0
148	63.5	32.2	96.6





#89

n-Butylbenzene

Concen: 19.643 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008040.D

Acq: 13 Mar 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0313MBS01

Tot Ion: 91 Resp: 147496

Ion Ratio Lower Upper

91 100

92 53.2 27.0 80.8

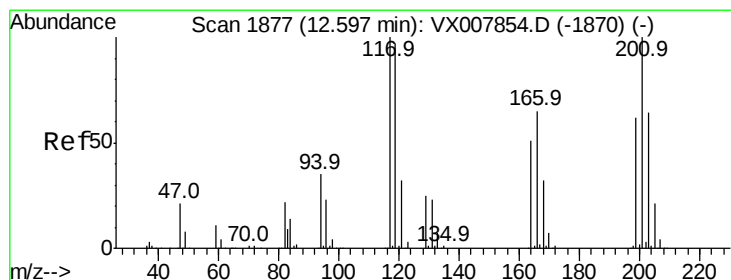
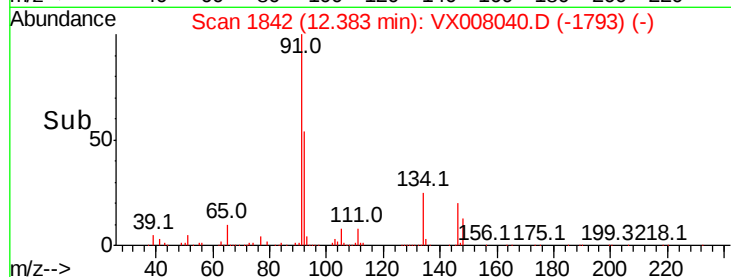
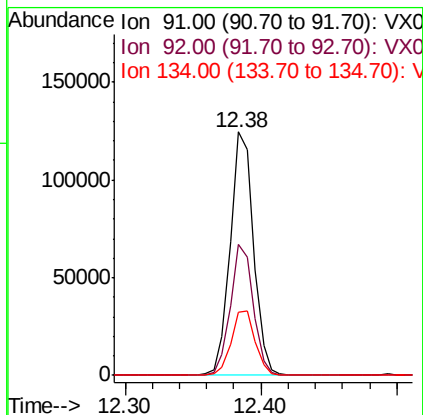
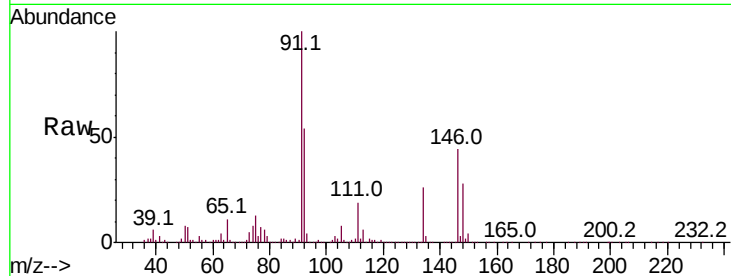
134 27.5 13.7 41.0

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#90

Hexachloroethane

Concen: 17.428 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX008040.D

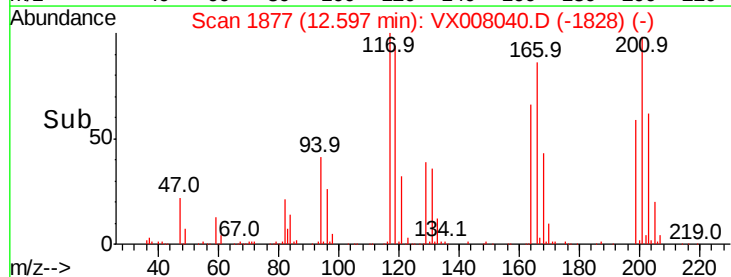
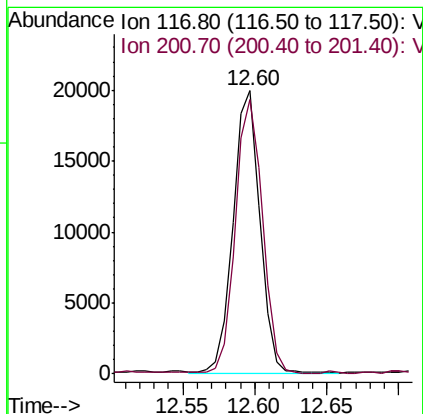
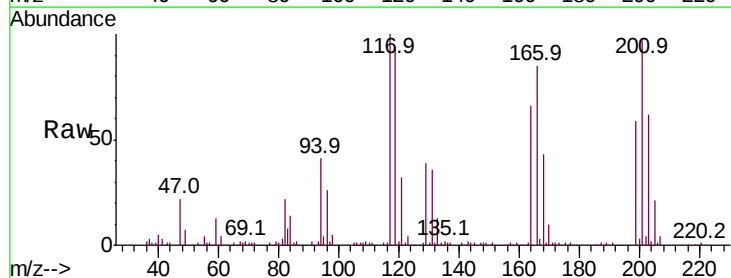
Acq: 13 Mar 2019 11:19

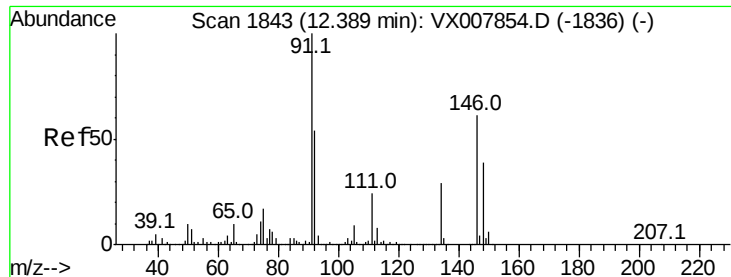
Tgt Ion: 117 Resp: 25826

Ion Ratio Lower Upper

117 100

201 99.2 48.9 146.7





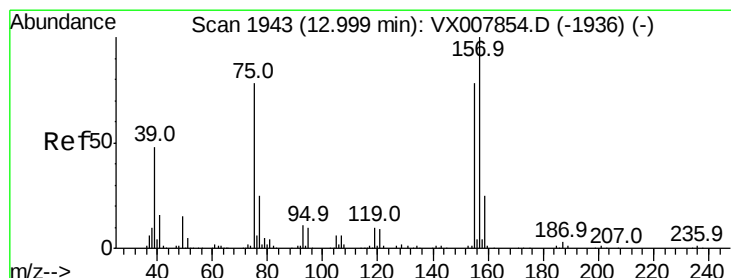
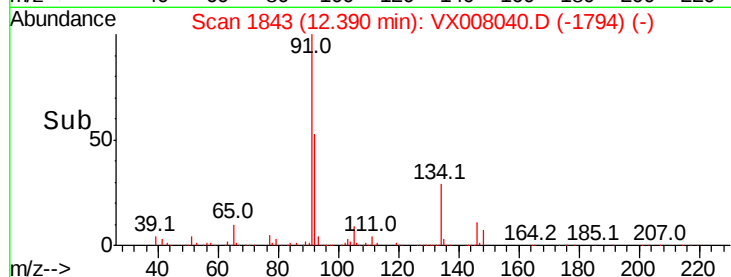
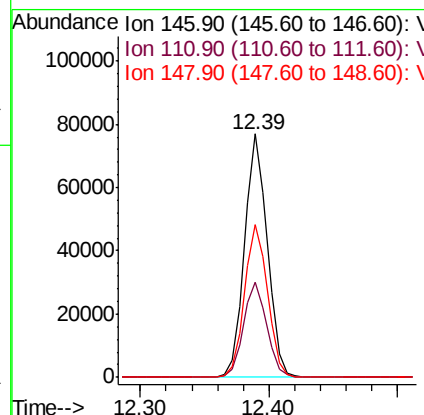
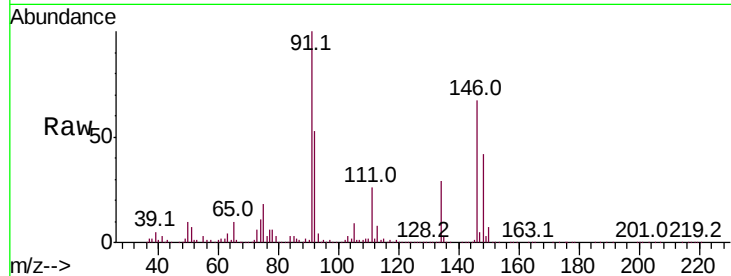
#91
 1,2-Dichlorobenzene
 Concen: 19.232 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.8
148	63.3	31.9	95.5

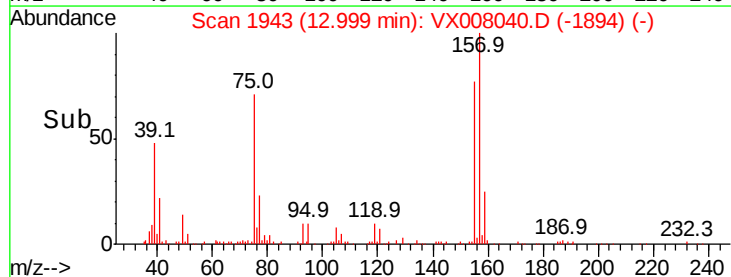
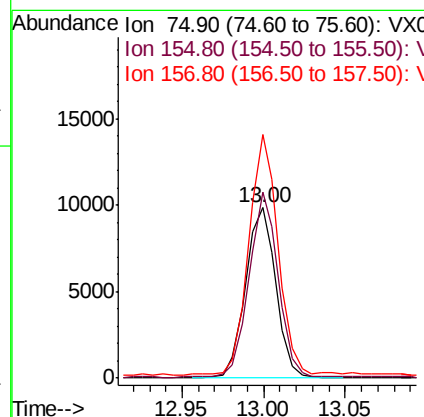
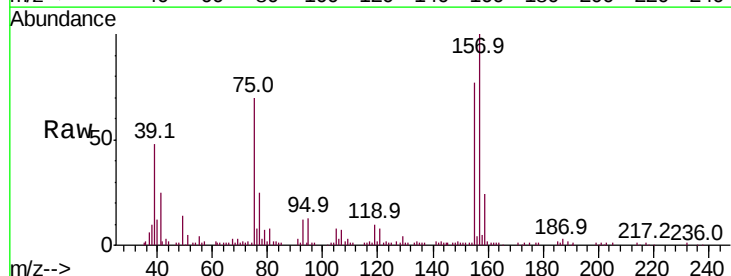
Manual Integrations
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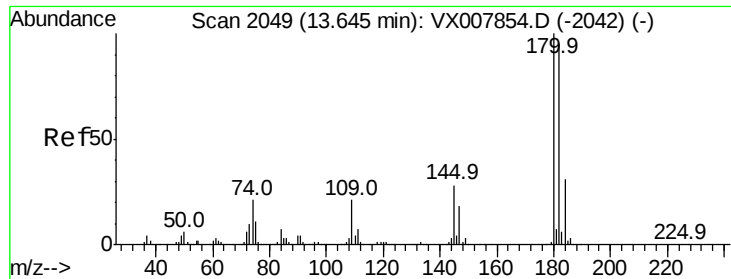
MMDadoda
 3/14/2019 10:17:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.439 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.9	49.7	149.1
157	136.4	63.8	191.4





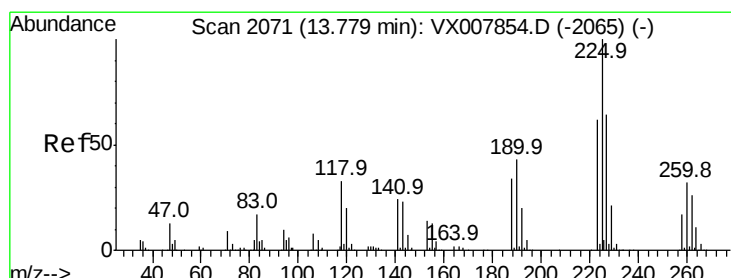
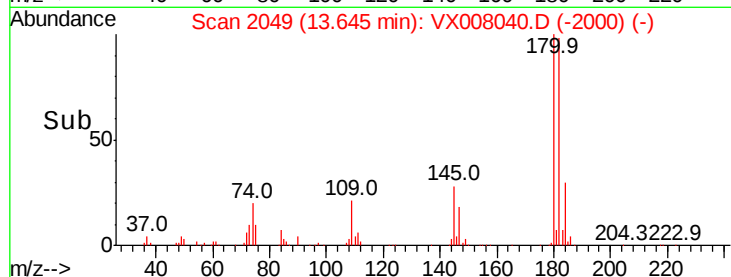
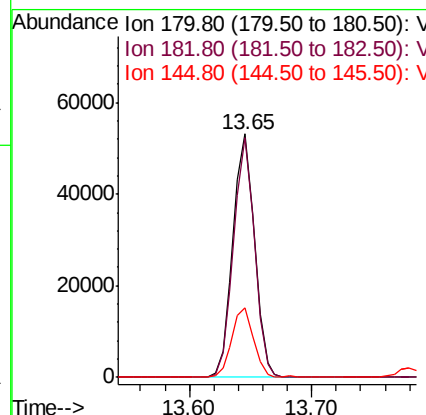
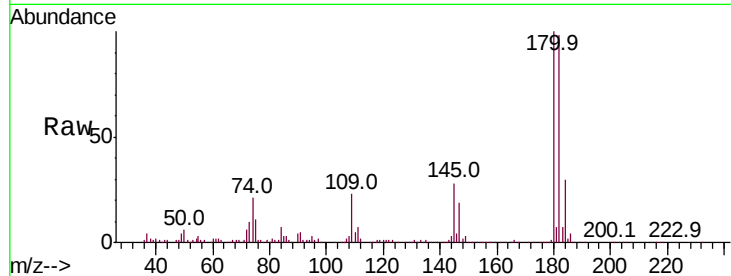
#93
 1,2,4-Trichlorobenzene
 Concen: 18.970 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	28.4	14.1	42.4

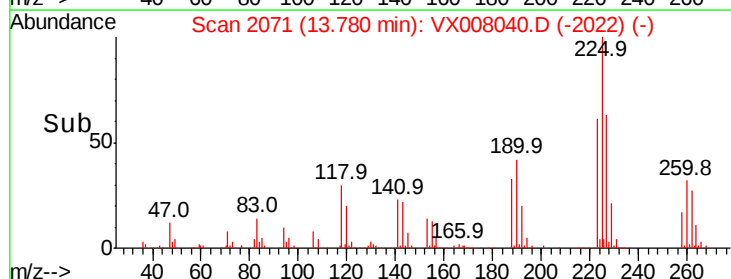
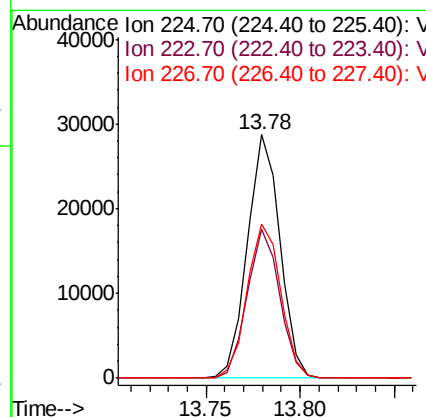
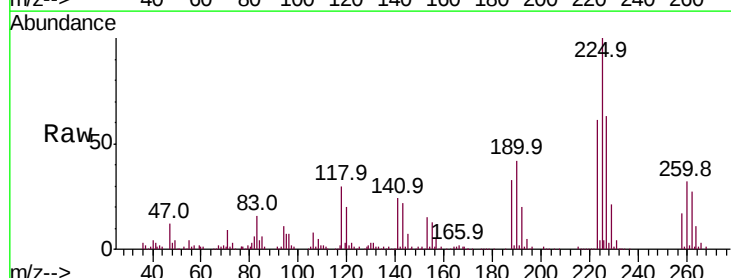
Manual Integrations
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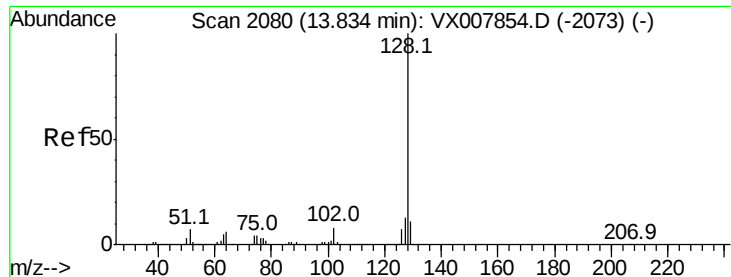
MMDadoda
 3/14/2019 10:17:50 AM



#94
 Hexachlorobutadiene
 Concen: 19.183 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008040.D
 Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.1	93.2
227	65.2	32.0	96.0





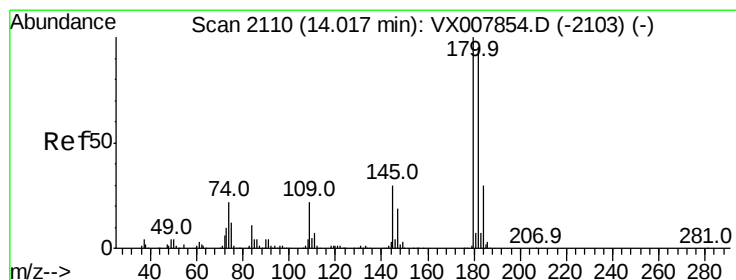
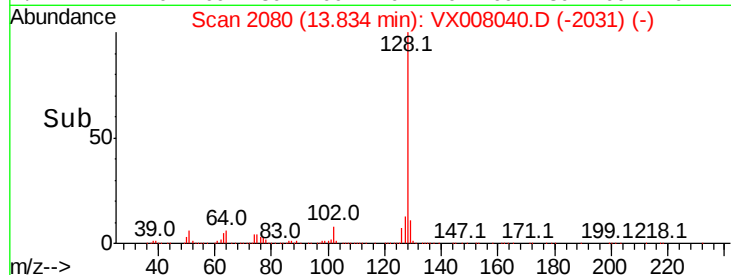
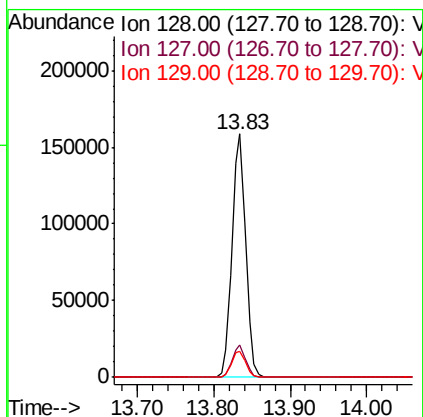
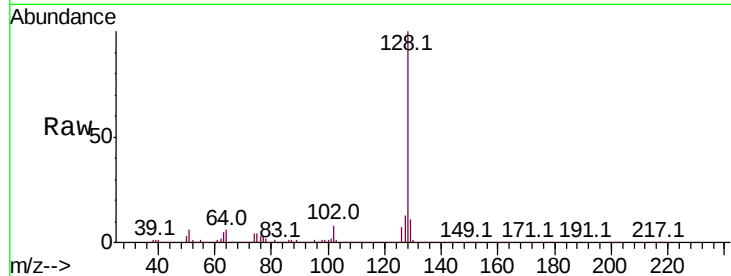
#95
Naphthalene
Concen: 19.830 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0313MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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3/14/2019 10:17:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.979 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008040.D
Acq: 13 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	31.2	14.8	44.3

