

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090418\
 Data File : VX004359.D
 Acq On : 04 Sep 2018 20:40
 Operator : JC/MD
 Sample : VX0904MBSD01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 4:52:52 PM

Quant Time: Sep 05 07:52:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	314190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	463832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	438373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	260588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	196272	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	5.50	113	168862	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	8.71	98	626152	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	11.14	95	238313	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	66013	18.14	ug/l	97
3) Chloromethane	1.32	50	73545	18.47	ug/l	99
4) Vinyl Chloride	1.40	62	78819	19.15	ug/l	98
5) Bromomethane	1.64	94	35875	16.31	ug/l	97
6) Chloroethane	1.72	64	52498	17.30	ug/l	100
7) Trichlorofluoromethane	1.92	101	106396	18.86	ug/l	94
8) Diethyl Ether	2.18	74	48656	20.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	66855	18.92	ug/l	98
10) Methyl Iodide	2.51	142	64305	19.02	ug/l	99
11) Tert butyl alcohol	3.07	59	95056	108.89	ug/l	100
12) 1,1-Dichloroethene	2.37	96	63443	19.06	ug/l	98
13) Acrolein	2.29	56	22161	105.30	ug/l	98
14) Allyl chloride	2.72	41	118642	19.40	ug/l	98
15) Acrylonitrile	3.15	53	222483	102.92	ug/l	99
16) Acetone	2.45	43	178806	102.19	ug/l	100
17) Carbon Disulfide	2.56	76	147734	16.52	ug/l	98
18) Methyl Acetate	2.78	43	157739	25.96	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	229407	20.91	ug/l	99
20) Methylene Chloride	2.86	84	76476	19.40	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	68901	18.70	ug/l	96
22) Diisopropyl ether	3.87	45	229714	20.12	ug/l	99
23) Vinyl Acetate	3.82	43	871900	94.22	ug/l	99
24) 1,1-Dichloroethane	3.69	63	134303	20.18	ug/l	100
25) 2-Butanone	4.70	43	290012	104.03	ug/l	99
26) 2,2-Dichloropropane	4.58	77	84134	16.12	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	80993	19.38	ug/l	97
28) Bromochloromethane	5.01	49	59467	20.19	ug/l	99
29) Tetrahydrofuran	5.16	42	184035	104.60	ug/l	100
30) Chloroform	5.21	83	131905	19.77	ug/l	99
31) Cyclohexane	5.57	56	106753	18.59	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	108786	19.55	ug/l	99
36) 1,1-Dichloropropene	5.79	75	95926	18.40	ug/l	100
37) Ethyl Acetate	4.86	43	100560	19.61	ug/l	99
38) Carbon Tetrachloride	5.78	117	91944	18.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	108032	18.15	ug/l	98
40) Benzene	6.14	78	300336	19.28	ug/l	100
41) Methacrylonitrile	5.06	41	59786	20.11	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101500	19.10	ug/l	99
43) Isopropyl Acetate	6.46	43	157095	19.94	ug/l	99
44) Trichloroethene	7.21	130	82013	19.02	ug/l	97
45) 1,2-Dichloropropane	7.52	63	77912	19.98	ug/l	99
46) Dibromomethane	7.67	93	49397	19.02	ug/l	98
47) Bromodichloromethane	7.90	83	92846	19.22	ug/l	100
48) Methyl methacrylate	7.78	41	83031	19.69	ug/l	98
49) 1,4-Dioxane	7.76	88	40811	426.29	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	558474	97.54	ug/l	99
52) Toluene	8.79	92	191988	19.68	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	98699	18.50	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	112876	19.42	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	78989	20.06	ug/l	98
56) Ethyl methacrylate	9.18	69	107894	20.13	ug/l	98
57) 1,3-Dichloropropane	9.37	76	133259	20.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	269772	98.23	ug/l	100
59) 2-Hexanone	9.50	43	421688	96.54	ug/l	100
60) Dibromochloromethane	9.59	129	73822	19.24	ug/l	99
61) 1,2-Dibromoethane	9.67	107	80221	19.69	ug/l	99
64) Tetrachloroethene	9.34	164	87782	20.27	ug/l	99
65) Chlorobenzene	10.14	112	205523	18.68	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	70773	18.65	ug/l	99
67) Ethyl Benzene	10.25	91	336935	18.86	ug/l	97
68) m/p-Xylenes	10.36	106	267177	38.24	ug/l	96
69) o-Xylene	10.70	106	133118	20.14	ug/l	100
70) Styrene	10.71	104	220513	20.61	ug/l	100
71) Bromoform	10.86	173	55464	18.13	ug/l	97
73) Isopropylbenzene	11.02	105	362833	21.20	ug/l	100
74) N-amyl acetate	10.90	43	132781	20.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	118044	19.71	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	108504m	20.47	ug/l	
77) Bromobenzene	11.26	156	97129	20.23	ug/l	99
78) n-propylbenzene	11.36	91	402026	20.42	ug/l	99
79) 2-Chlorotoluene	11.42	91	247218	20.40	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	298844	21.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28798	17.63	ug/l	97
82) 4-Chlorotoluene	11.51	91	285830	20.05	ug/l	100
83) tert-Butylbenzene	11.77	119	294095	20.62	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	306711	21.08	ug/l	100
85) sec-Butylbenzene	11.94	105	364739	21.54	ug/l	100
86) p-Isopropyltoluene	12.07	119	325875	21.48	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	176325	19.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	181142	19.01	ug/l	99
89) n-Butylbenzene	12.39	91	243282	19.72	ug/l	99
90) Hexachloroethane	12.60	117	42698	20.13	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	163773	19.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21156	20.05	ug/l	95

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Instrument :
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124166	20.66	ug/l	96
94) Hexachlorobutadiene	13.78	225	61884	22.05	ug/l	98
95) Naphthalene	13.83	128	381604	22.45	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132893	20.88	ug/l	100

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

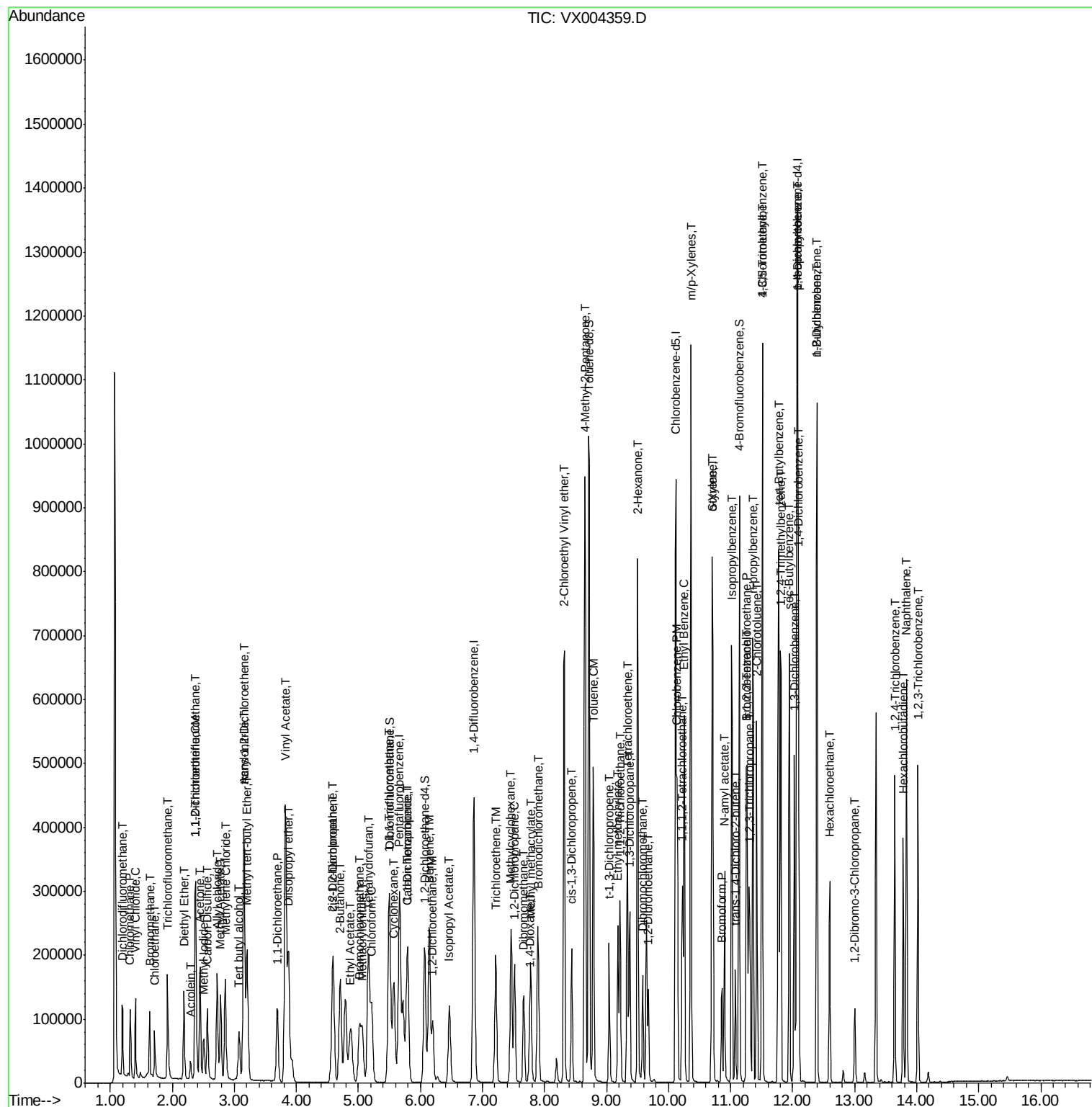
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 Data File : VX004359.D
 Acq On : 04 Sep 2018 20:40
 Operator : JC/MD
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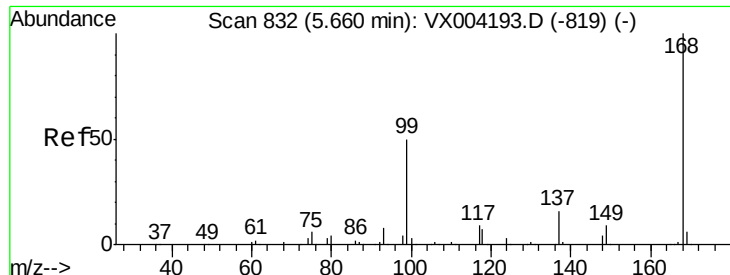
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion:168 Resp: 314190

Ion Ratio Lower Upper

168 100

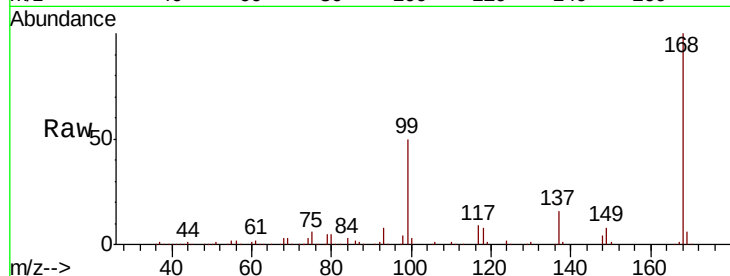
99 49.8 39.9 59.9

Manual Integrations

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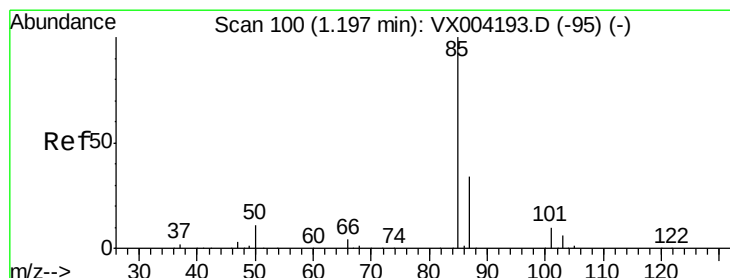
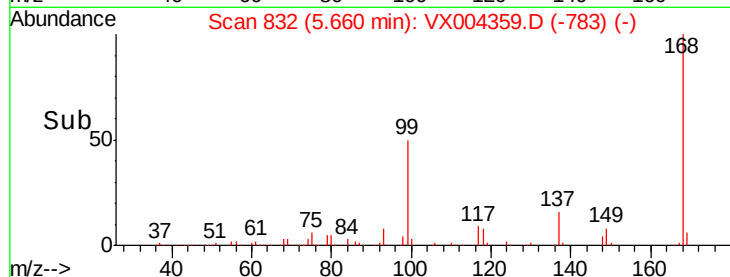
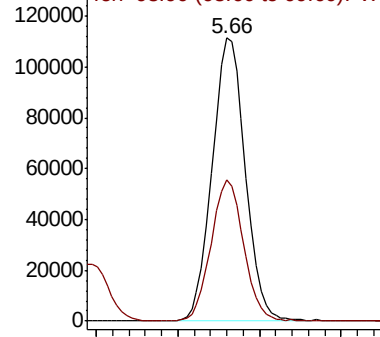
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.14 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004359.D

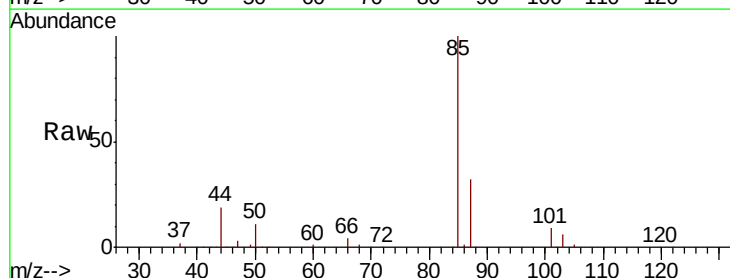
Acq: 04 Sep 2018 20:40

Tgt Ion: 85 Resp: 66013

Ion Ratio Lower Upper

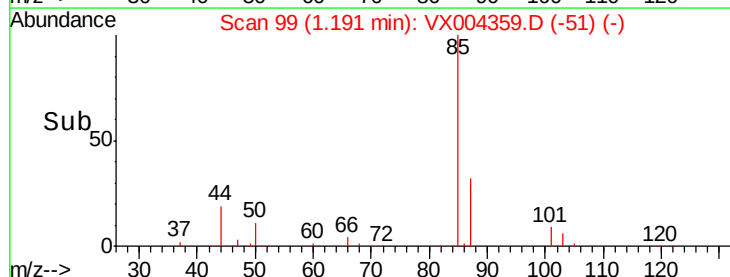
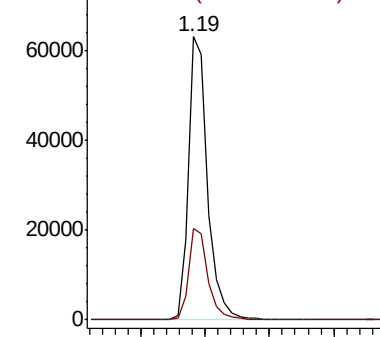
85 100

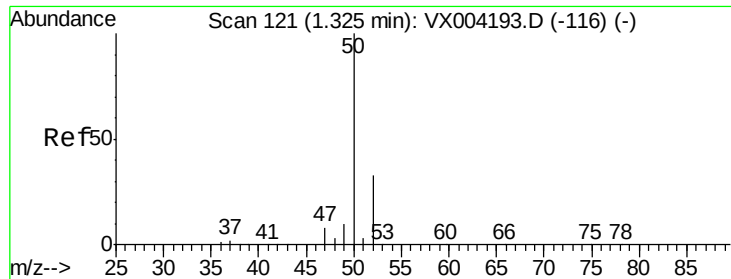
87 32.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.47 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion: 50 Resp: 73545

Ion Ratio Lower Upper

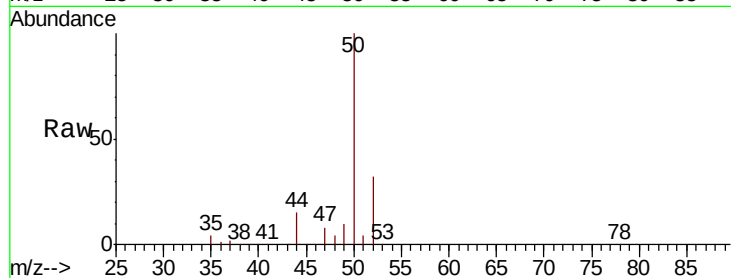
50 100

52 32.3 26.2 39.2

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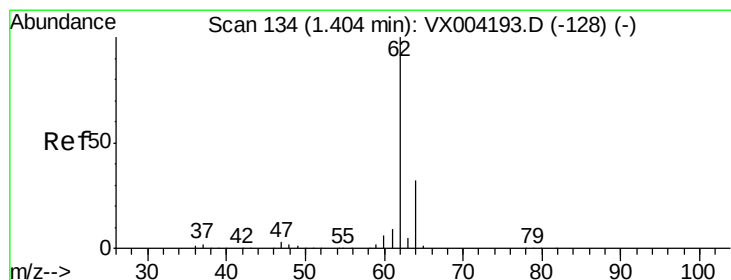
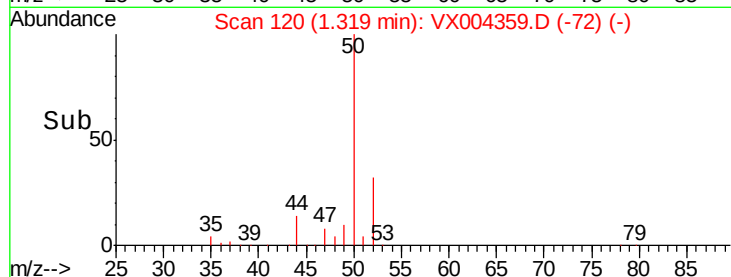
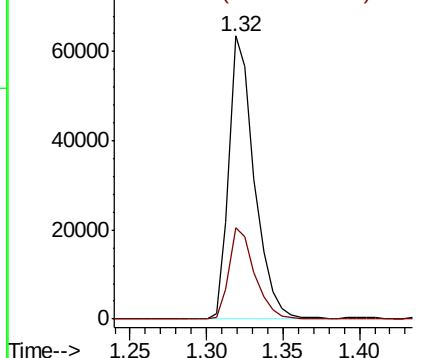
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.15 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004359.D

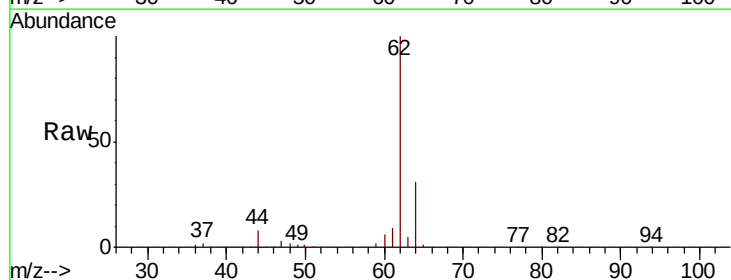
Acq: 04 Sep 2018 20:40

Tgt Ion: 62 Resp: 78819

Ion Ratio Lower Upper

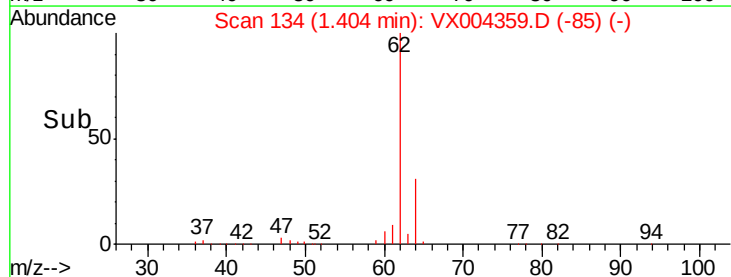
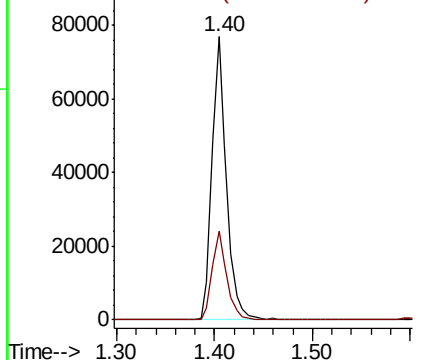
62 100

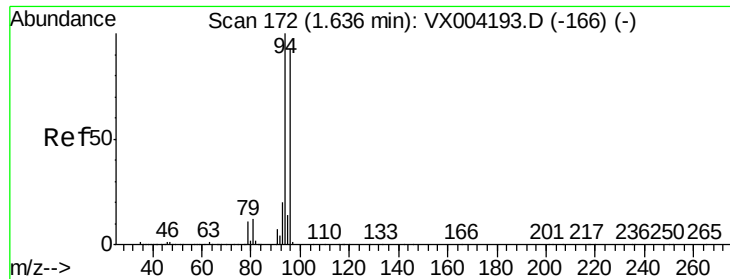
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.31 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion: 94 Resp: 35875

Ion Ratio Lower Upper

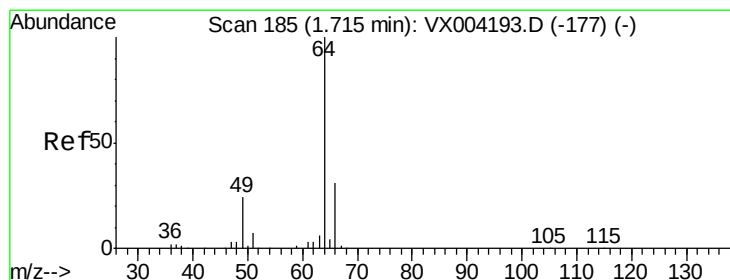
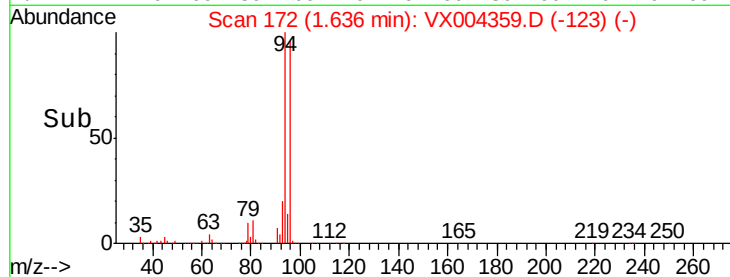
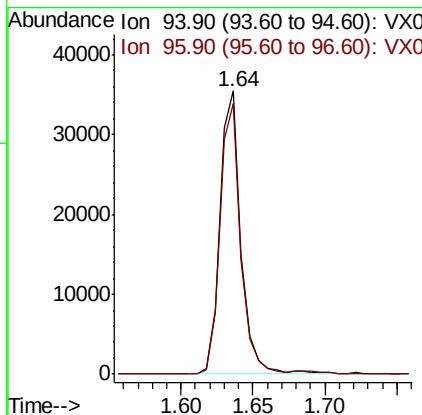
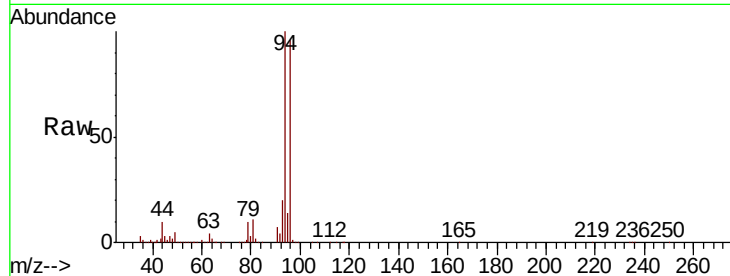
94 100

96 95.8 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 17.30 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004359.D

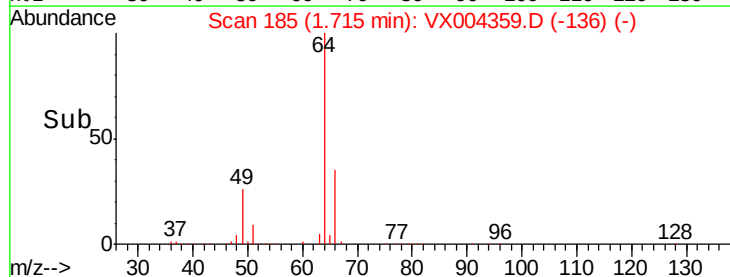
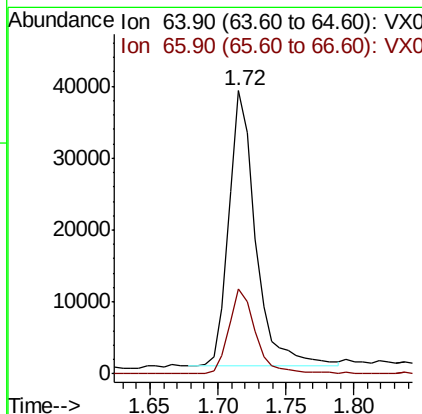
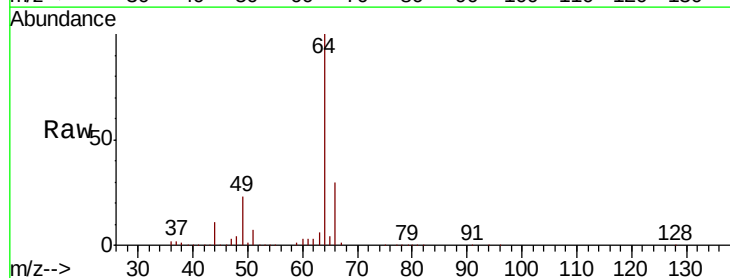
Acq: 04 Sep 2018 20:40

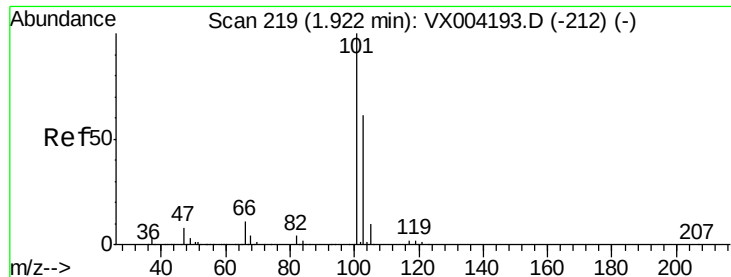
Tgt Ion: 64 Resp: 52498

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8





#7

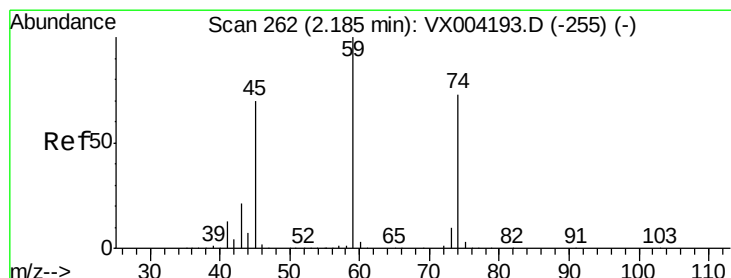
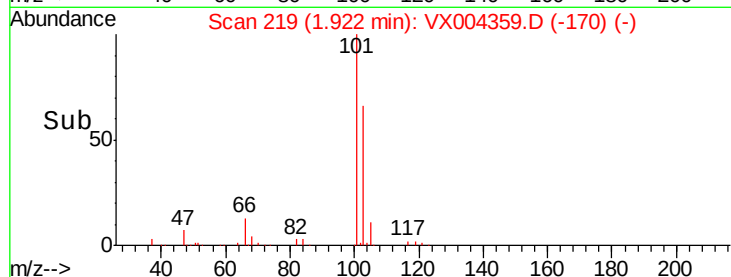
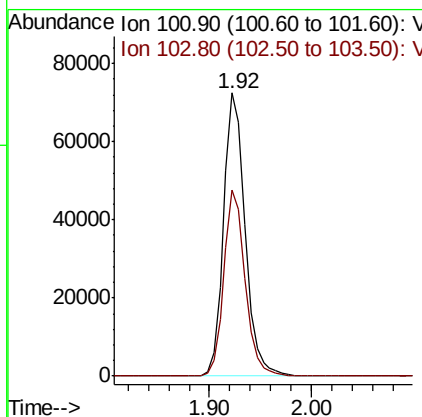
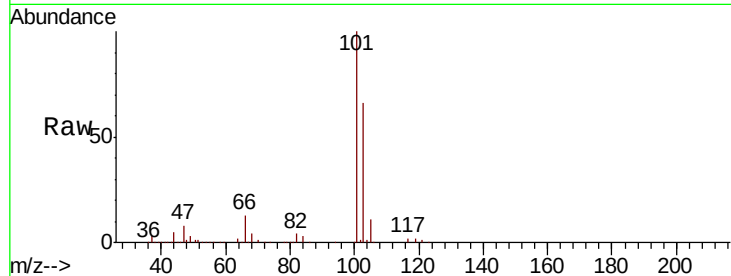
Trichlorofluoromethane
 Concen: 18.86 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	48.9	73.3

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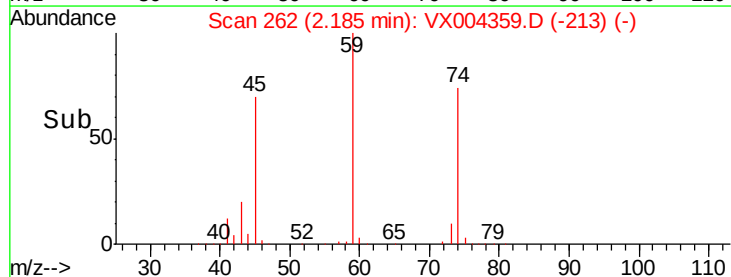
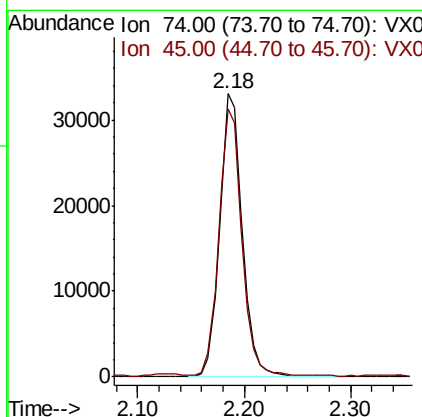
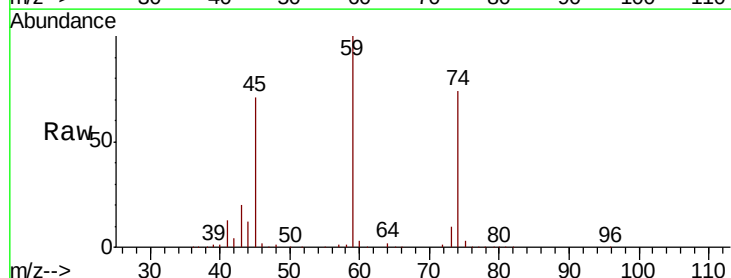
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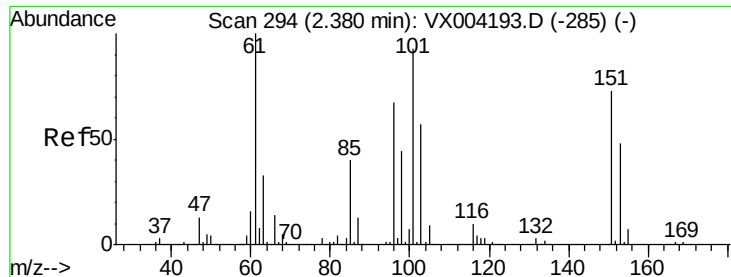


#8

Diethyl Ether
 Concen: 20.14 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.92 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

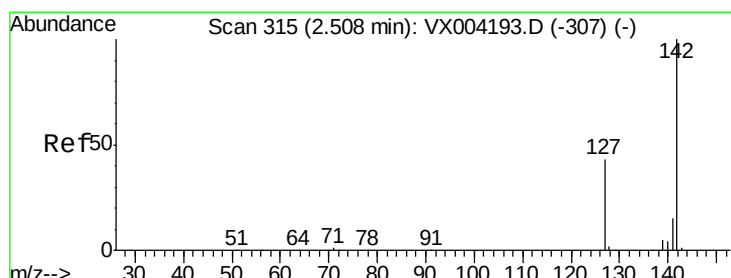
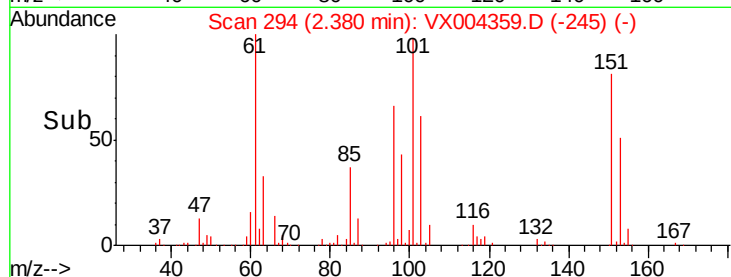
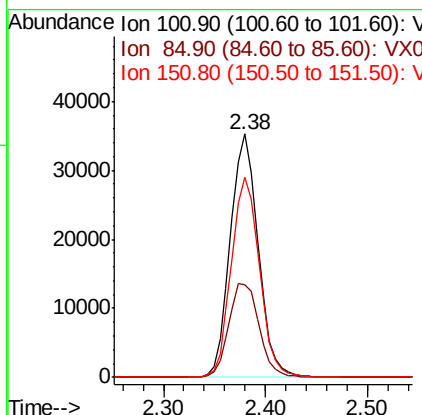
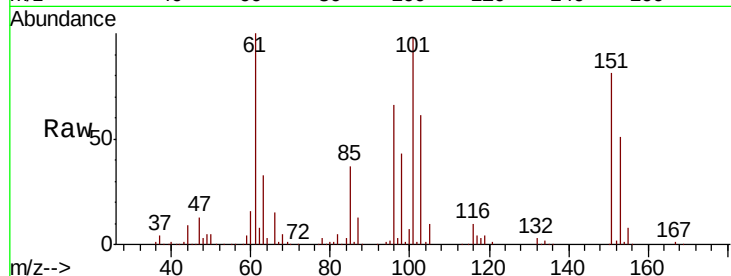
ClientSampleId :

VX0904MBSD01

Tot Ion:	101	Resp:	66855
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	82.9	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.02 ug/l

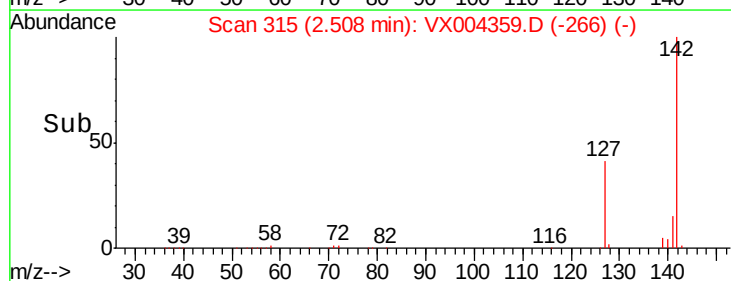
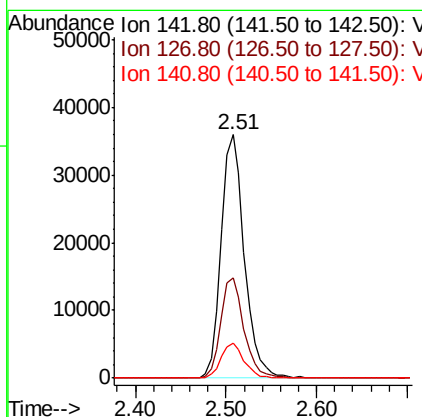
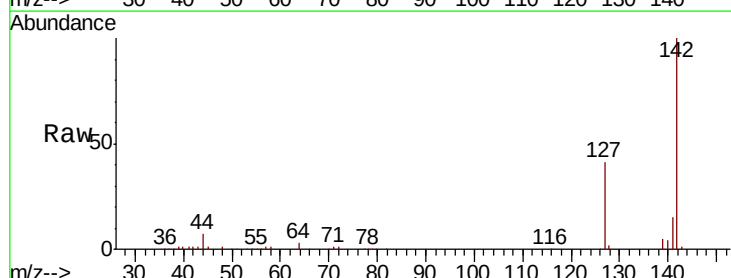
RT: 2.51 min Scan# 315

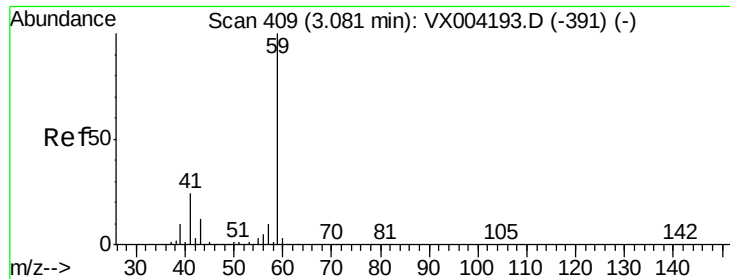
Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Tgt Ion:	142	Resp:	64305
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.8	50.6
141	14.2	11.4	17.0





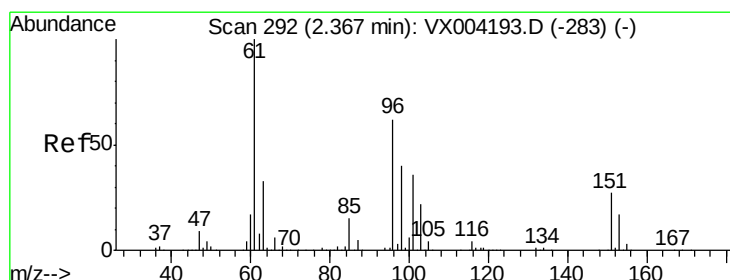
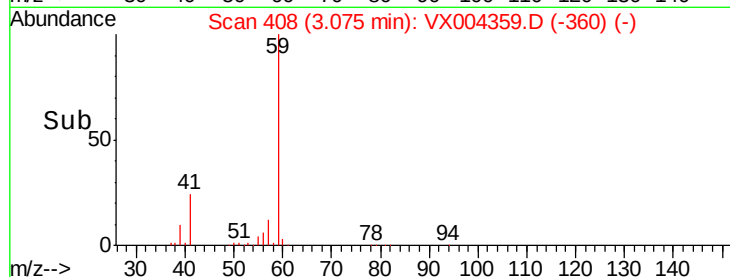
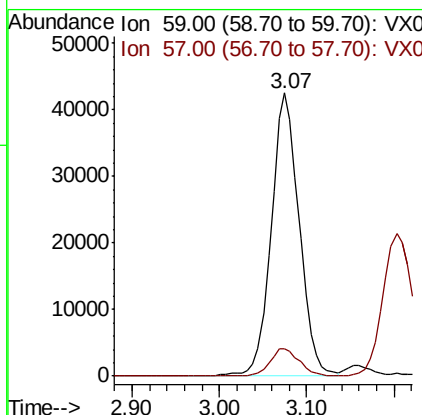
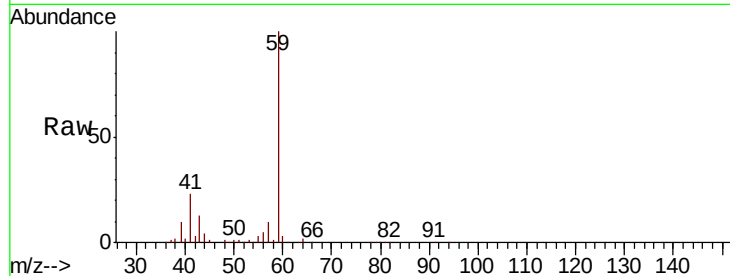
#11
Tert butyl alcohol
Concen: 108.89 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	59	Resp	95056
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.4

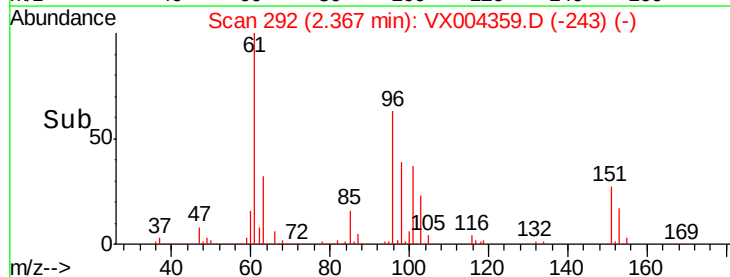
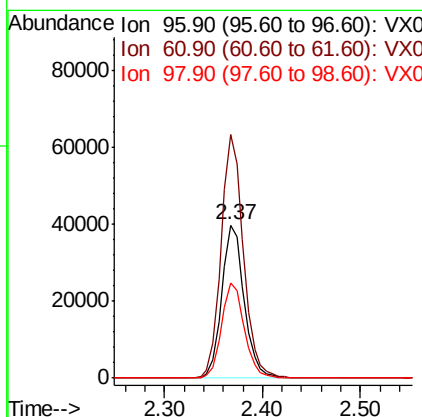
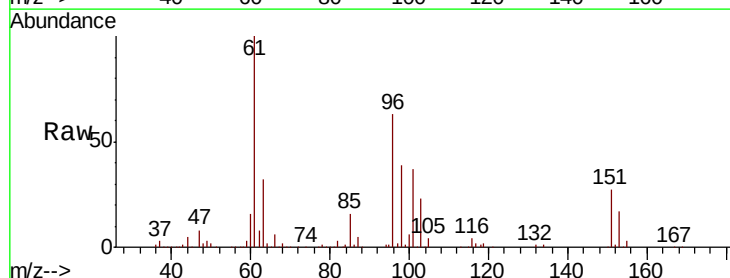
Manual Integrations
APPROVED

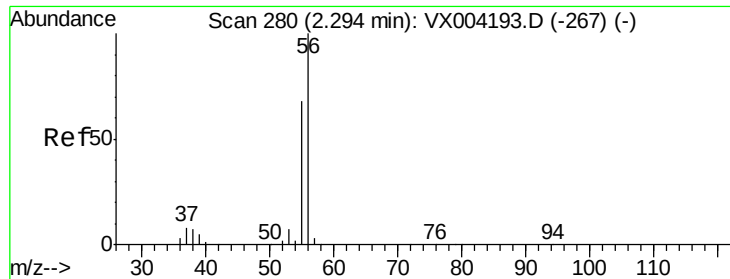
MMDadoda
9/5/2018 4:52:52 PM



#12
1,1-Dichloroethene
Concen: 19.06 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	96	Resp	63443
Ion Ratio	100	Lower	Upper
61	159.3	128.8	193.2
98	61.9	52.2	78.2





#13

Acrolein

Concen: 105.30 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion: 56 Resp: 22161

Ion Ratio Lower Upper

56 100

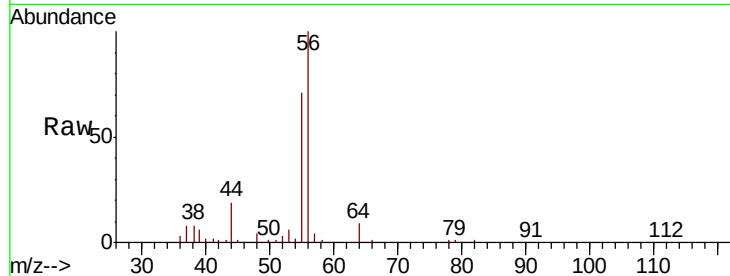
55 70.4 54.7 82.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

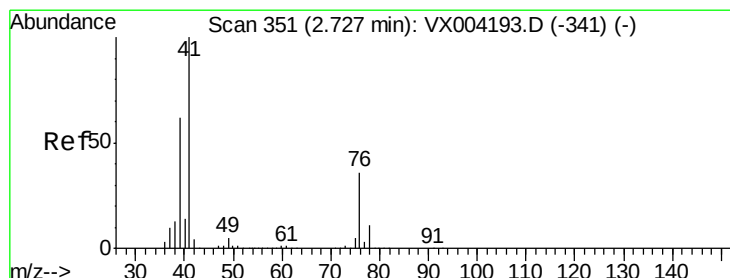
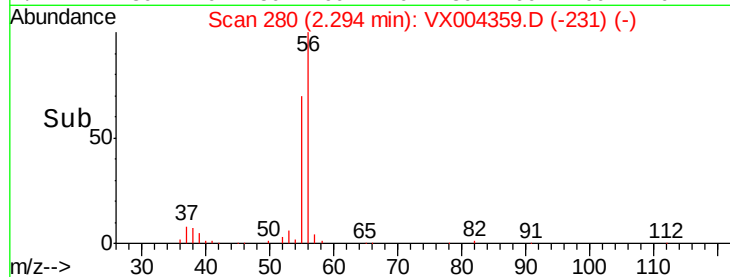
10000

5000

0

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Allyl chloride

Concen: 19.40 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

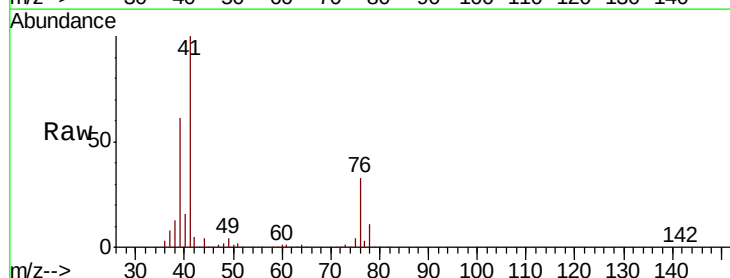
Tgt Ion: 41 Resp: 118642

Ion Ratio Lower Upper

41 100

39 58.9 48.9 73.3

76 32.9 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

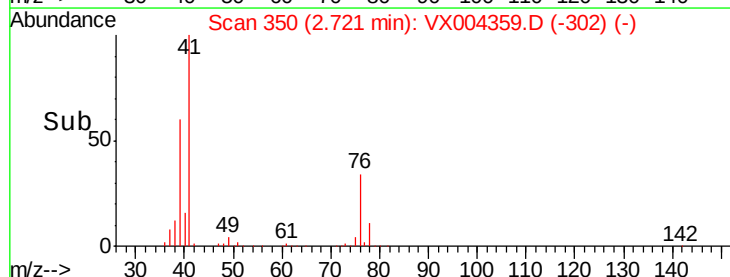
40000

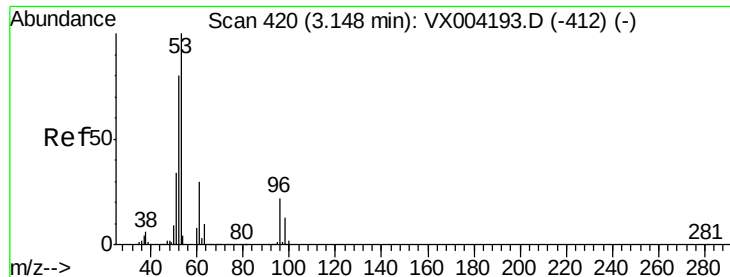
20000

0

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 102.92 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

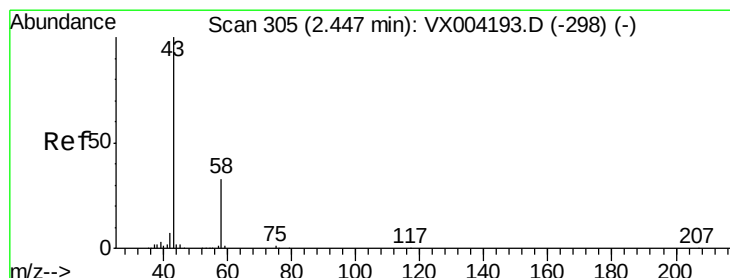
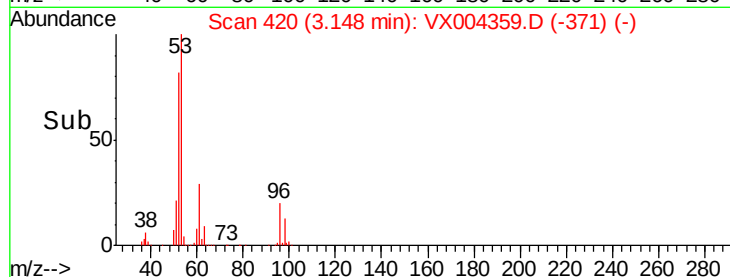
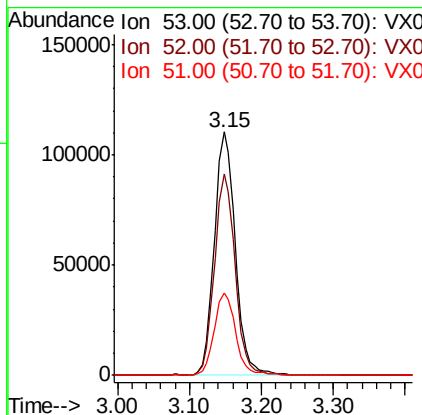
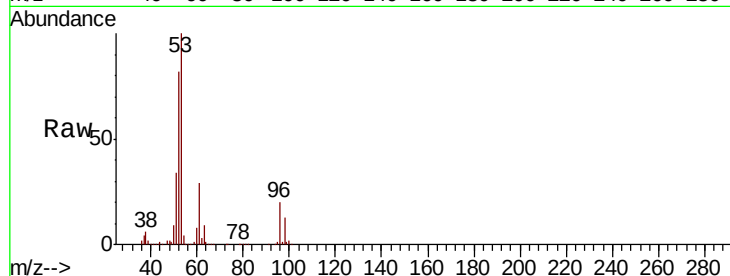
ClientSampleId :

VX0904MBSD01

Tot Ion:	53	Resp:	222483
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.2	97.8
51	34.5	28.2	42.2

Manual Integrations
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9/5/2018 4:52:52 PM



#16

Acetone

Concen: 102.19 ug/l

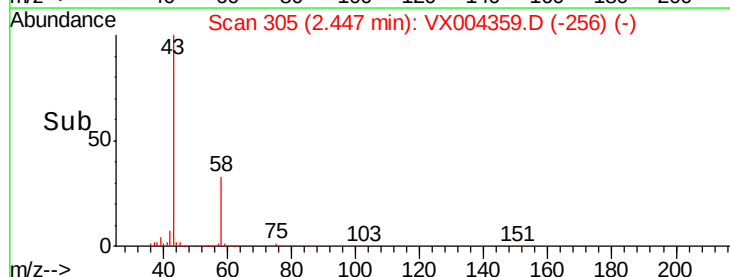
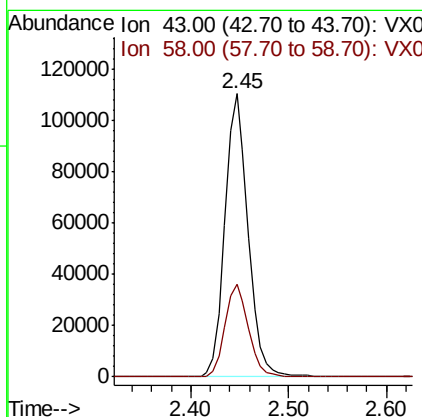
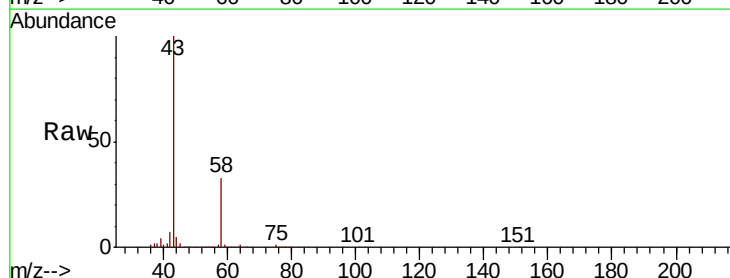
RT: 2.45 min Scan# 305

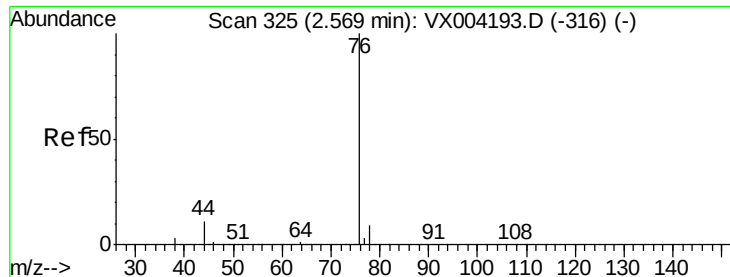
Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Tgt Ion:	43	Resp:	178806
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.2	39.4





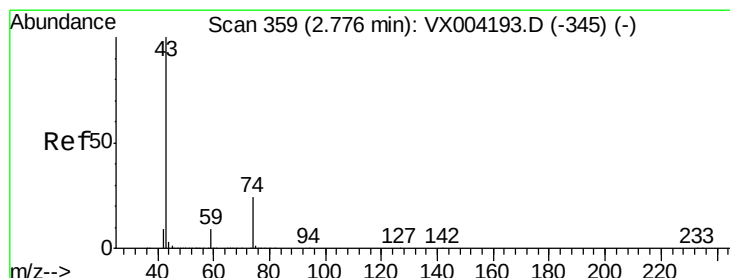
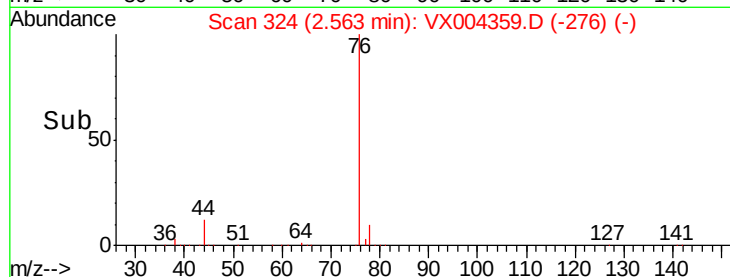
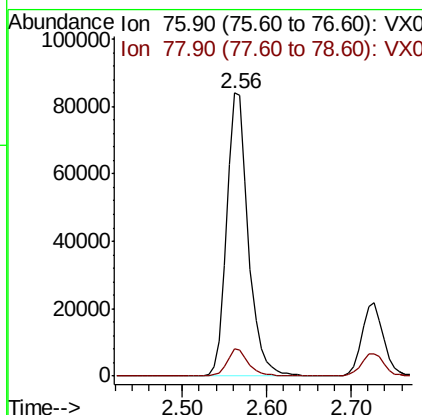
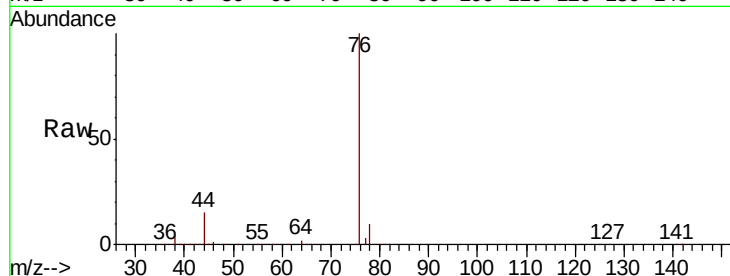
#17
Carbon Disulfide
Concen: 16.52 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

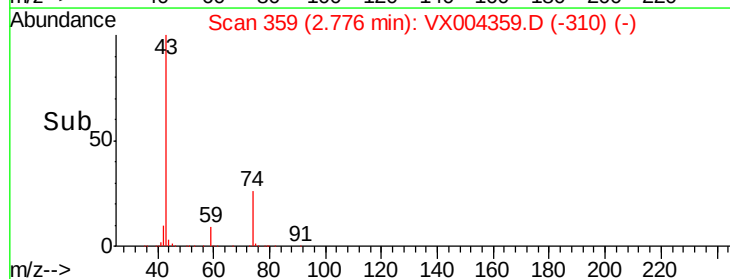
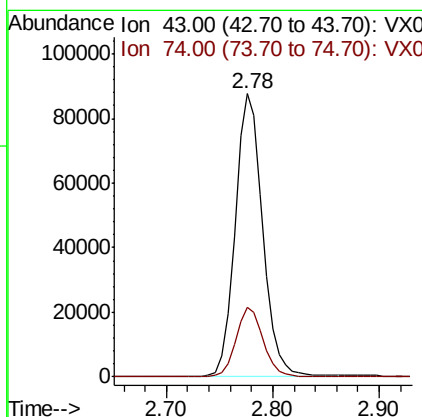
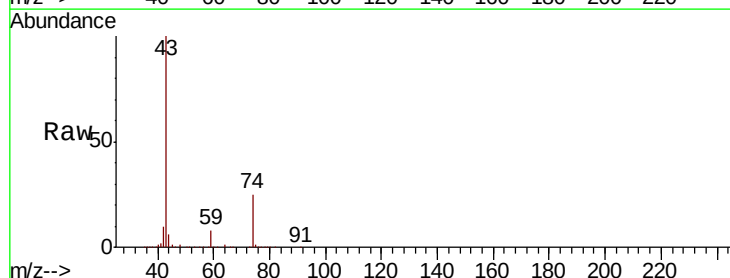
Manual Integrations
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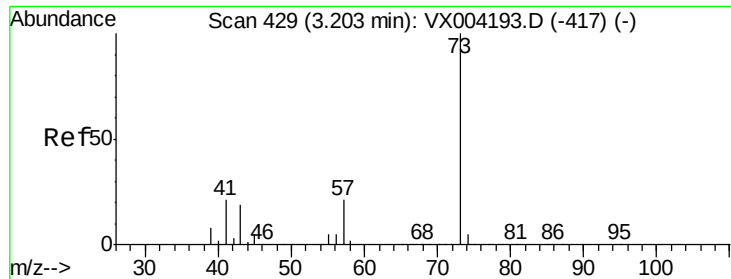
MMDadoda
9/5/2018 4:52:52 PM



#18
Methyl Acetate
Concen: 25.96 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.2





#19

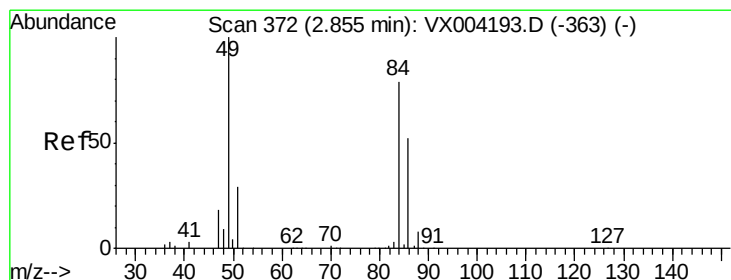
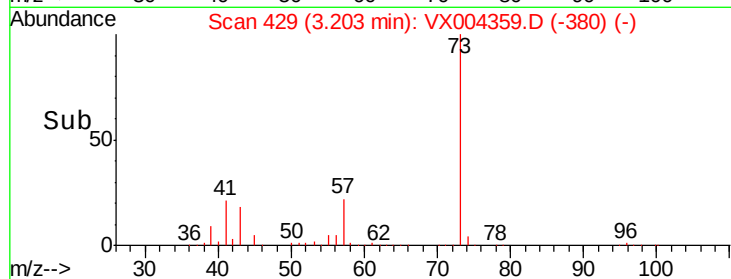
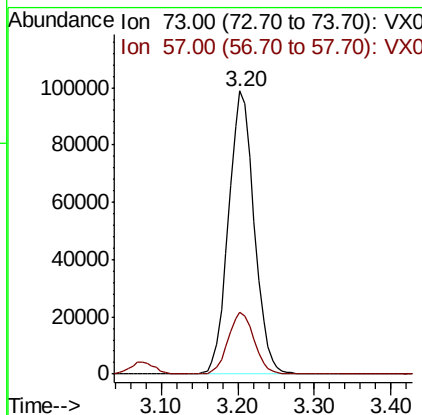
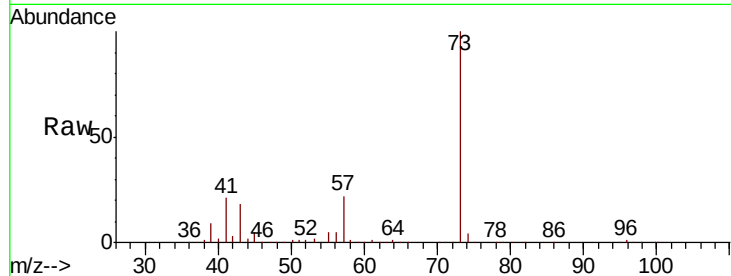
Methvl tert-butvl Ether
 Concen: 20.91 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion: 73 Resp: 229407
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.1 25.7

Manual Integrations
 APPROVED

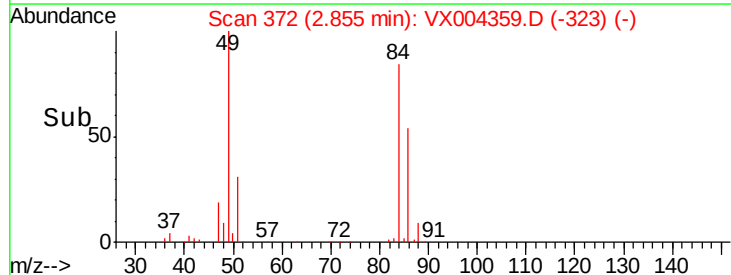
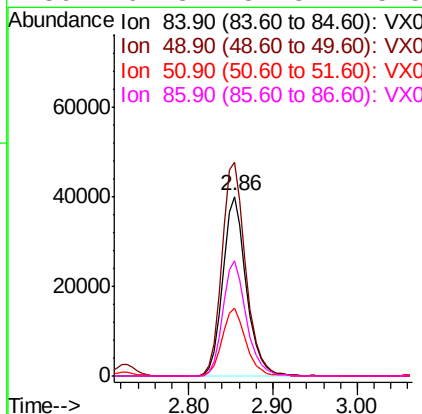
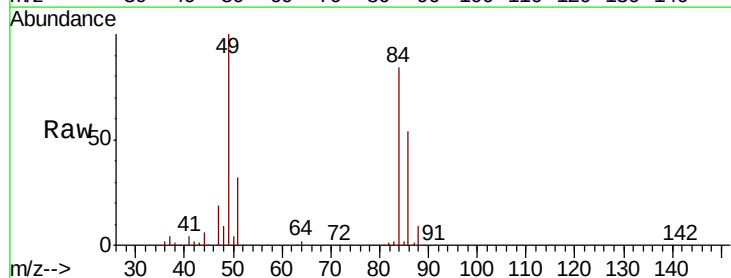
MMDadoda
 9/5/2018 4:52:52 PM

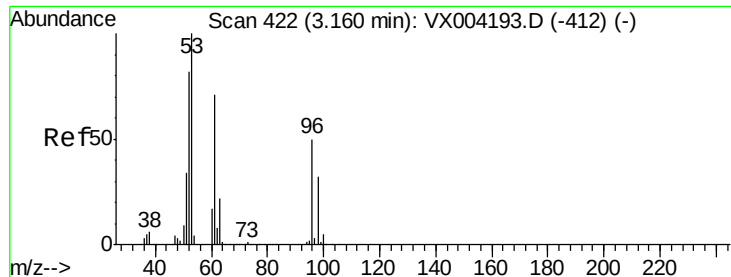


#20

Methylene Chloride
 Concen: 19.40 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion: 84 Resp: 76476
 Ion Ratio Lower Upper
 84 100
 49 119.1 101.2 151.8
 51 37.4 29.5 44.3
 86 64.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.70 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

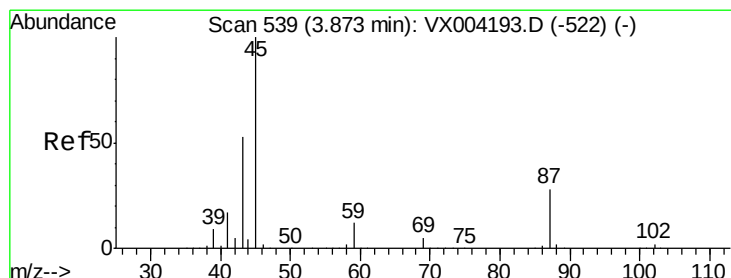
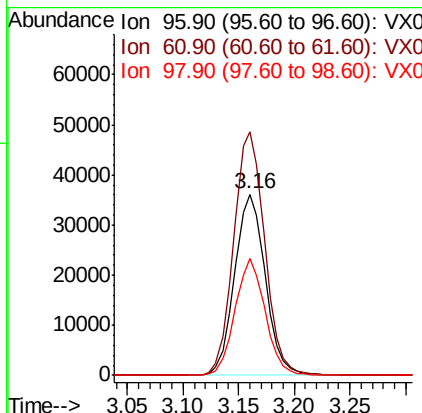
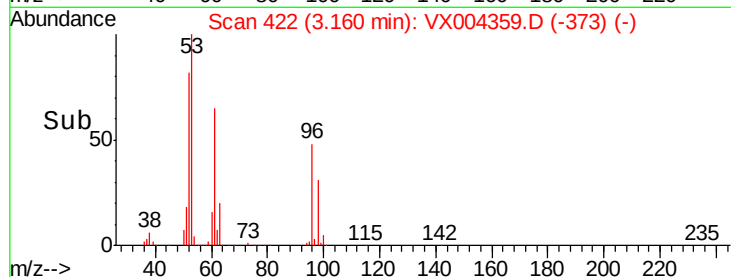
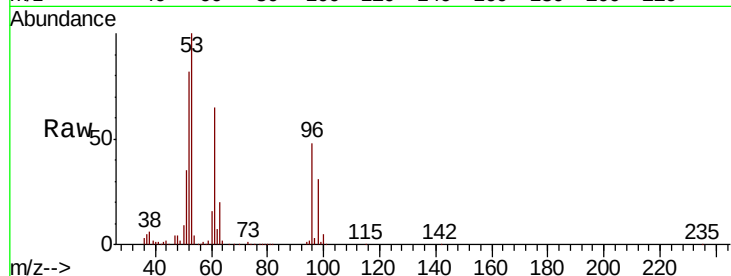
ClientSampleId :

VX0904MBSD01

Tot Ion:	96	Resp:	68901
Ion	Ratio	Lower	Upper
96	100		
61	134.3	113.8	170.6
98	64.9	51.8	77.8

Manual Integrations
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9/5/2018 4:52:52 PM



#22

Diisopropyl ether

Concen: 20.12 ug/l

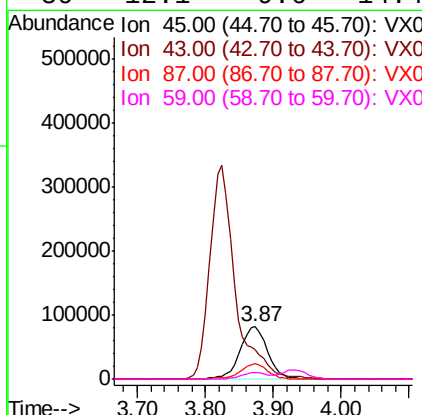
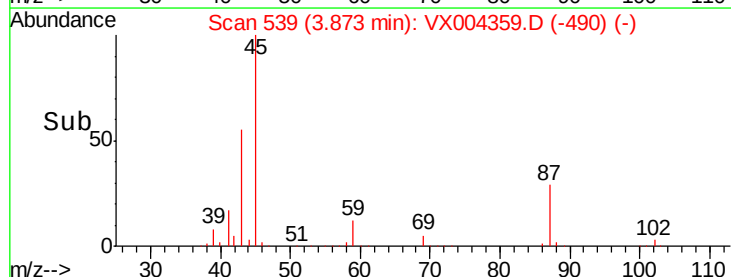
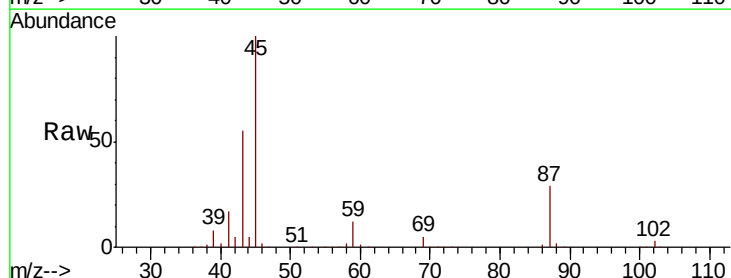
RT: 3.87 min Scan# 539

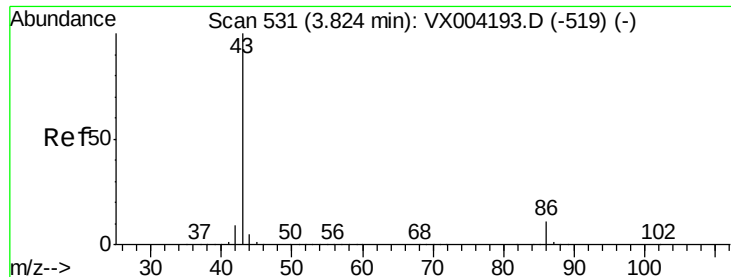
Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Tgt Ion:	45	Resp:	229714
Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.8	64.2
87	28.9	22.6	34.0
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 94.22 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion: 43 Resp: 871900

Ion Ratio Lower Upper

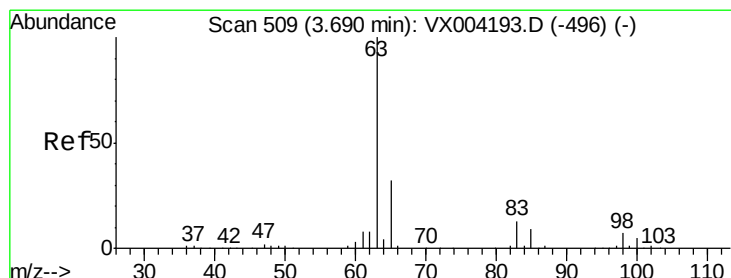
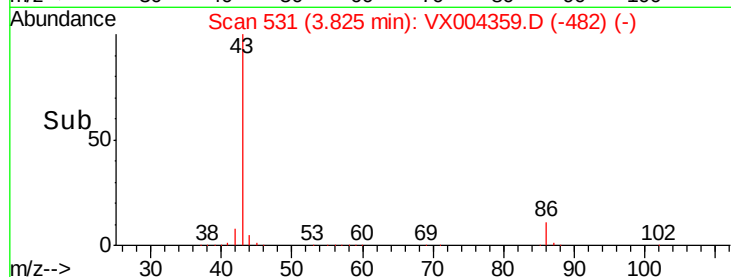
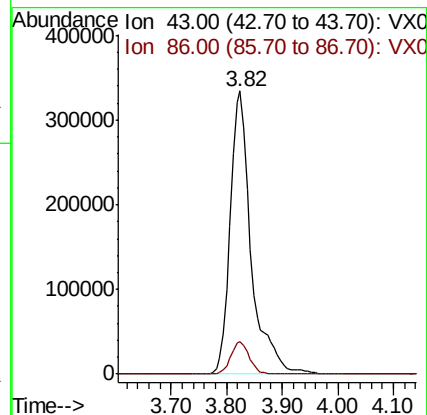
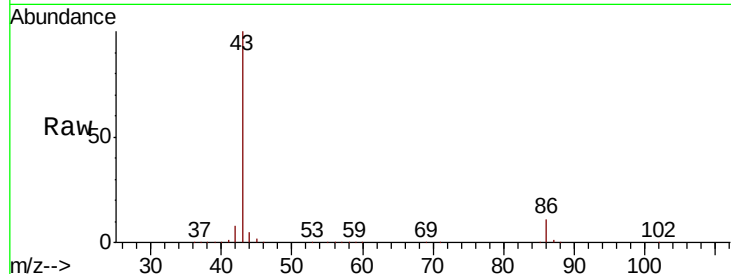
43 100

86 11.4 8.9 13.3

Manual Integrations
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MMDadoda

9/5/2018 4:52:52 PM



#24

1,1-Dichloroethane

Concen: 20.18 ug/l

RT: 3.69 min Scan# 509

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

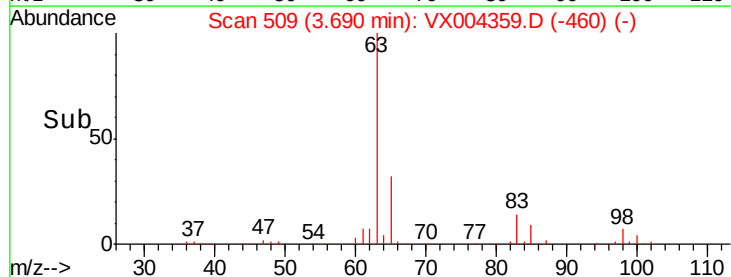
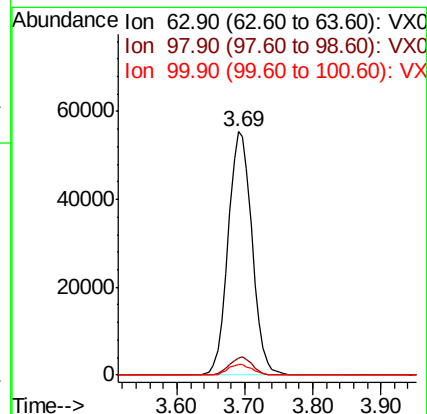
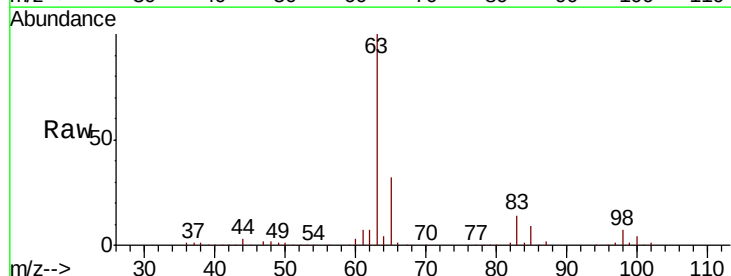
Tgt Ion: 63 Resp: 134303

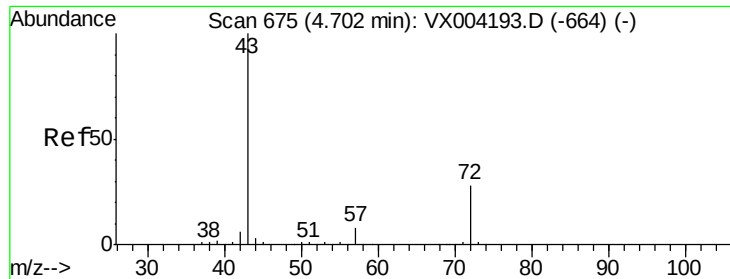
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 104.03 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion: 43 Resp: 290012

Ion Ratio Lower Upper

43 100

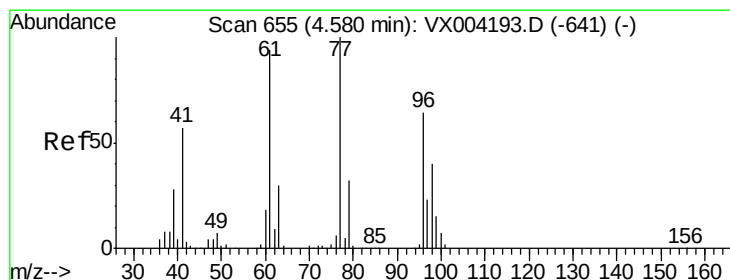
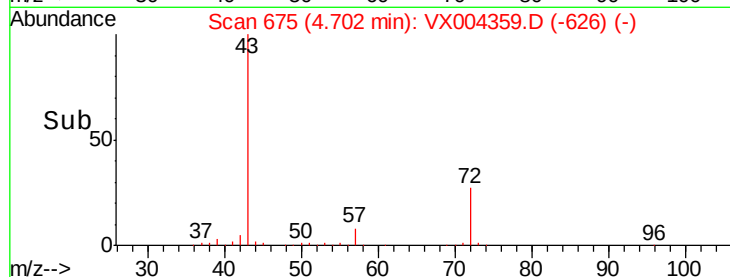
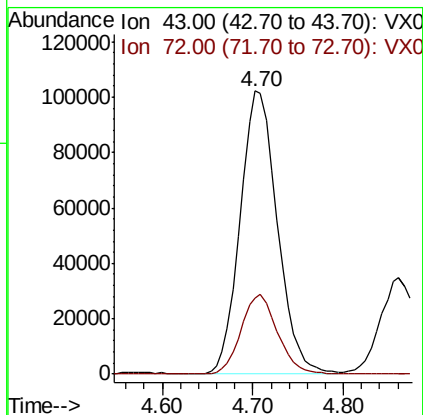
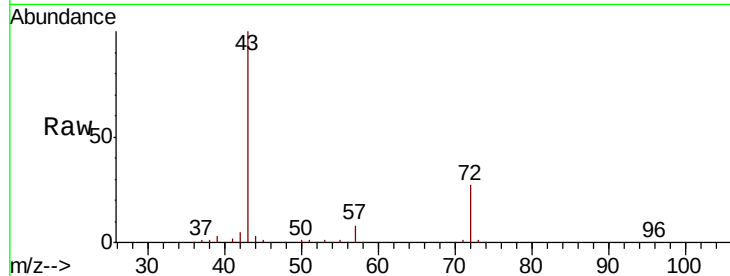
72 26.9 22.0 33.0

Manual Integrations

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9/5/2018 4:52:52 PM



#26

2,2-Dichloropropane

Concen: 16.12 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004359.D

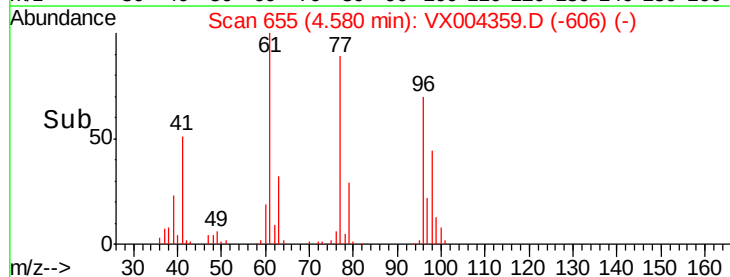
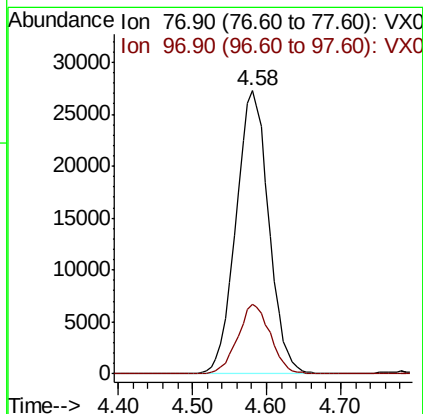
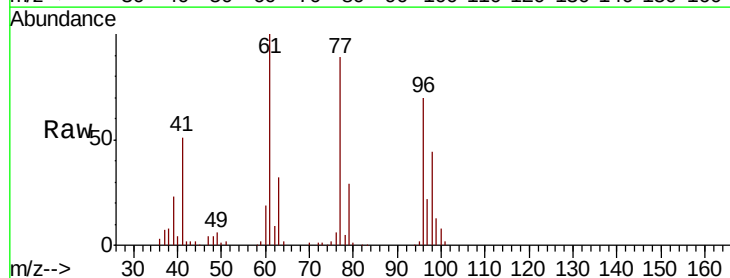
Acq: 04 Sep 2018 20:40

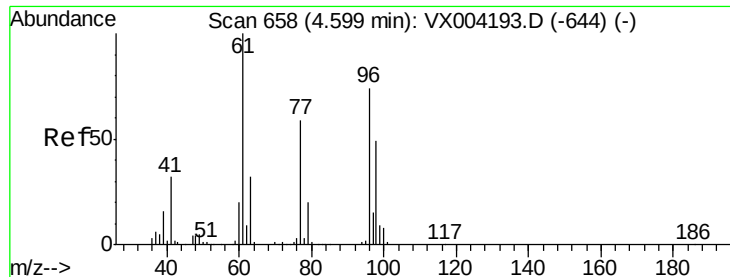
Tgt Ion: 77 Resp: 84134

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0





#27

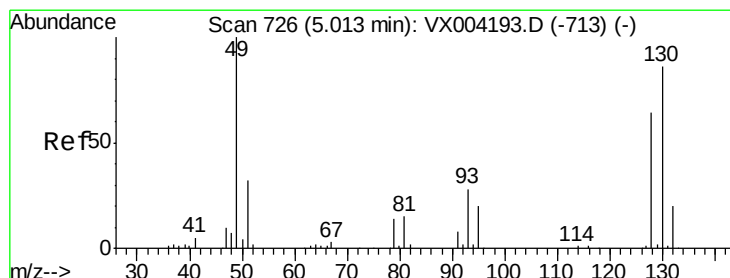
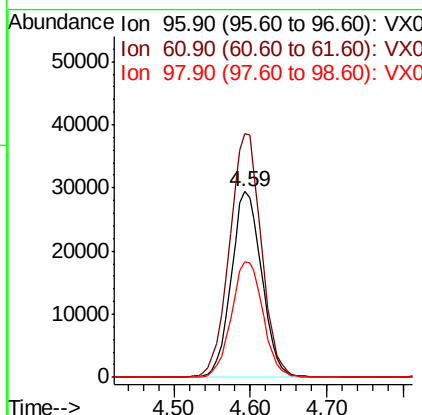
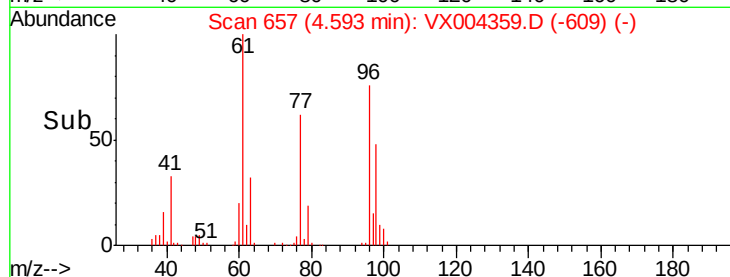
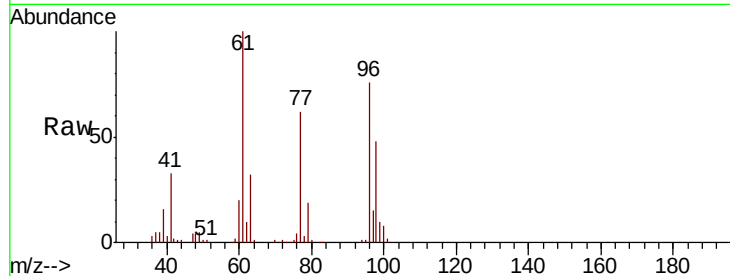
cis-1,2-Dichloroethene
 Concen: 19.38 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	80993		
61	137.2		0.0	282.6
98	64.3		0.0	130.2

Manual Integrations
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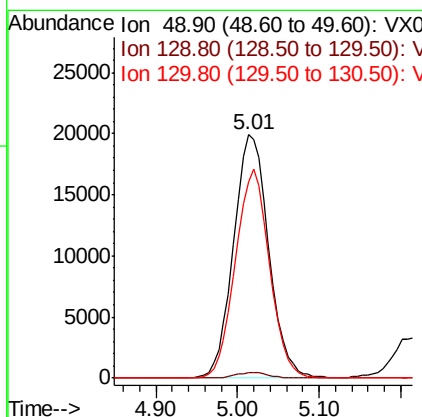
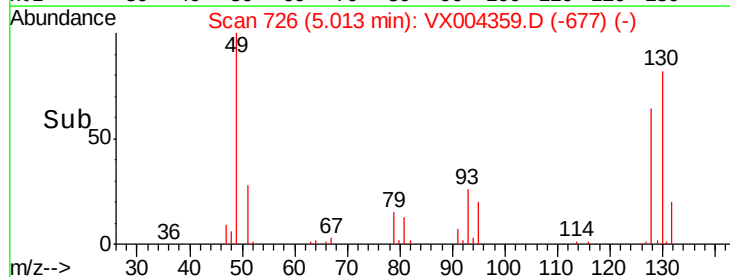
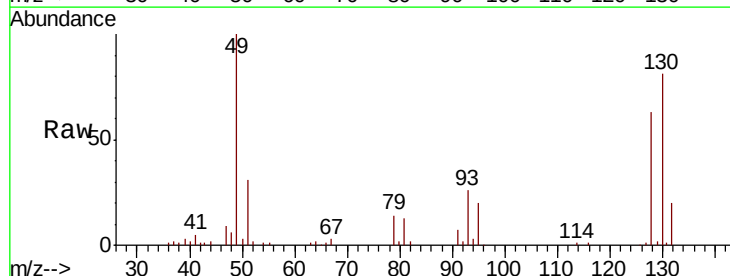
MMDadoda
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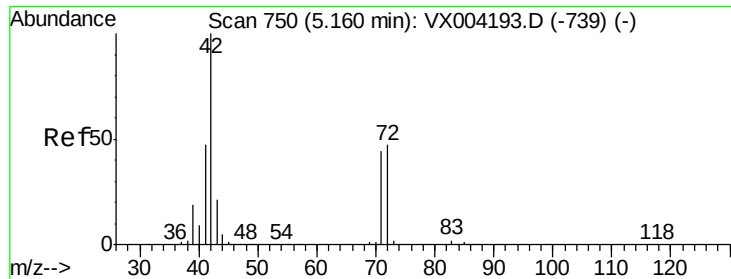


#28

Bromochloromethane
 Concen: 20.19 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	59467		
129	2.3		0.0	4.2
130	83.4		67.5	101.3





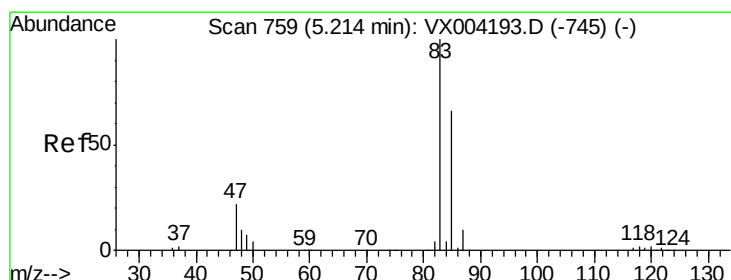
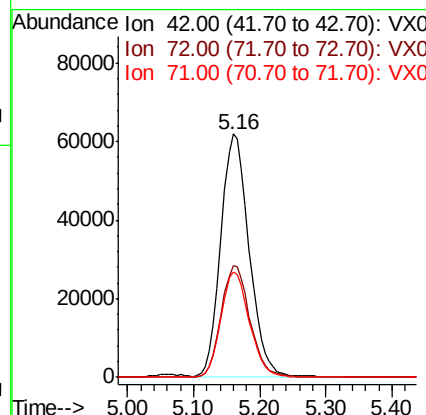
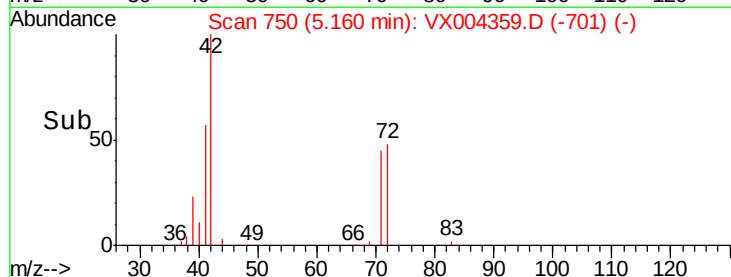
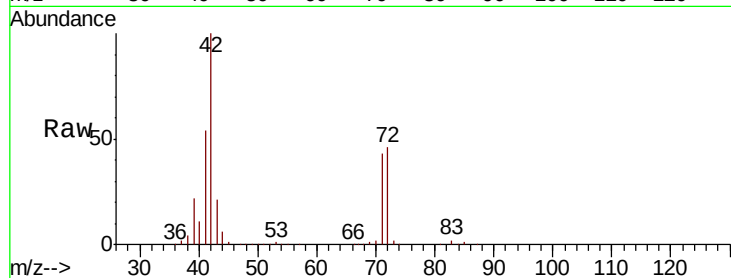
#29
Tetrahydrofuran
Concen: 104.60 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.0
71	43.6	34.5	51.7

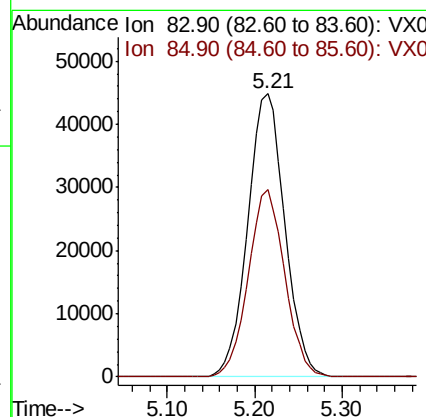
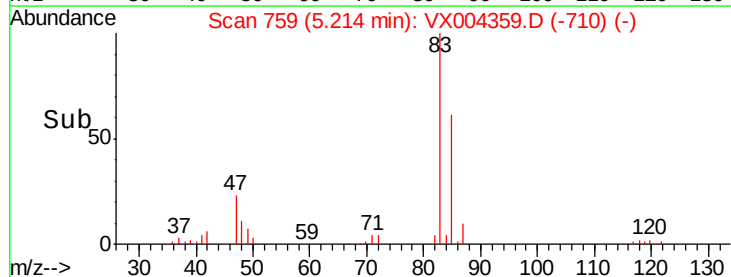
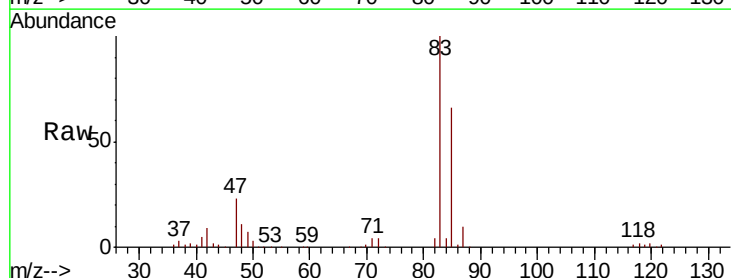
Manual Integrations
APPROVED

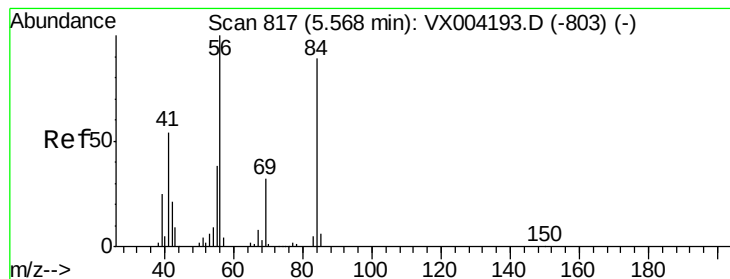
MMDadoda
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#30
Chloroform
Concen: 19.77 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	79.0





#31

Cyclohexane

Concen: 18.59 ug/l

RT: 5.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion: 56 Resp: 106753

Ion Ratio Lower Upper

56 100

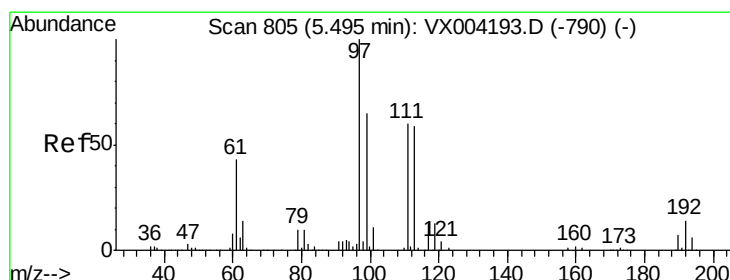
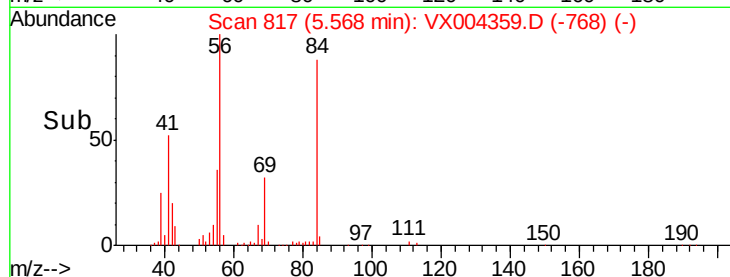
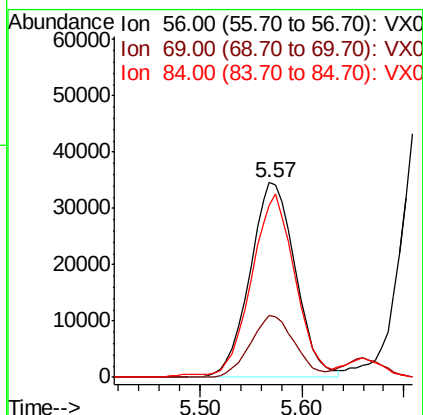
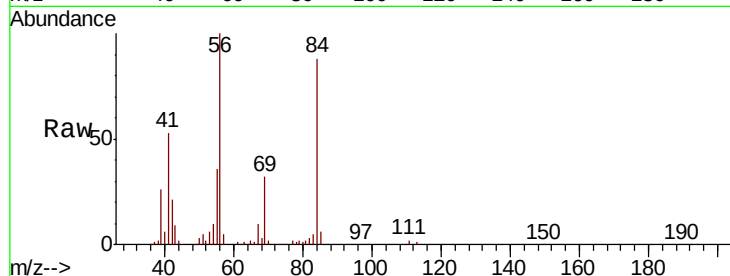
69 31.6 25.4 38.2

84 86.9 71.4 107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.55 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

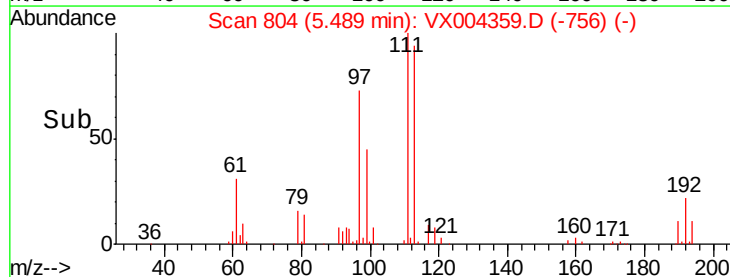
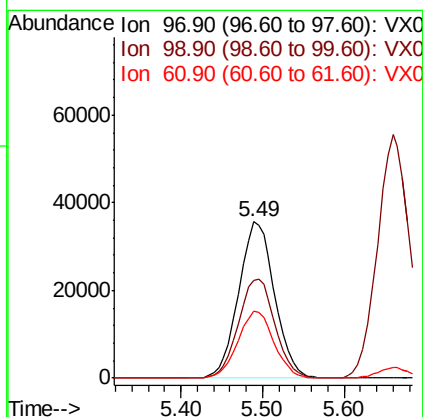
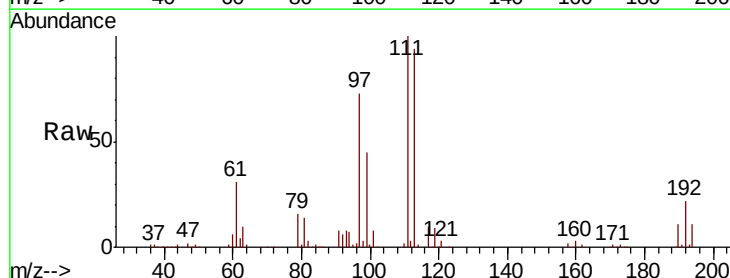
Tgt Ion: 97 Resp: 108786

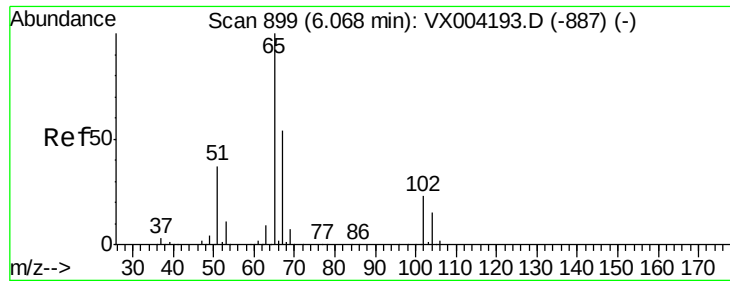
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 43.4 34.9 52.3





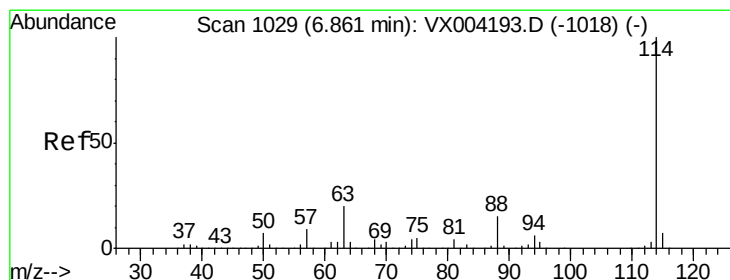
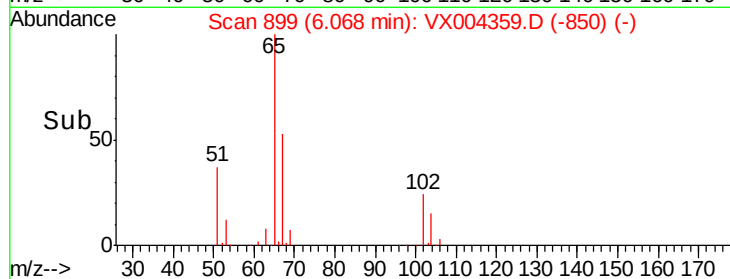
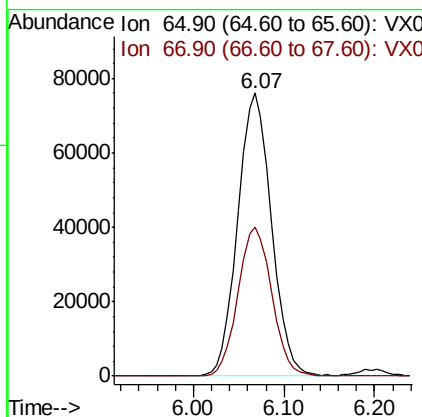
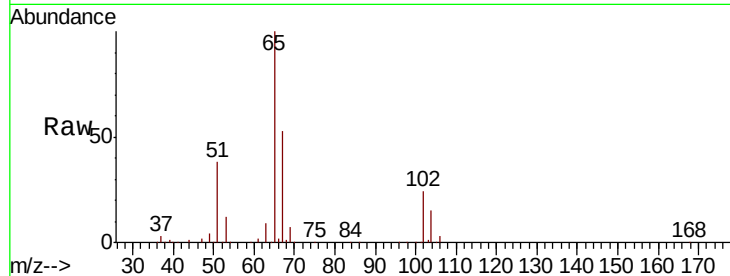
#33
 1,2-Dichloroethane-d4
 Concen: 47.93 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196272		
67	52.9	0.0	106.8	

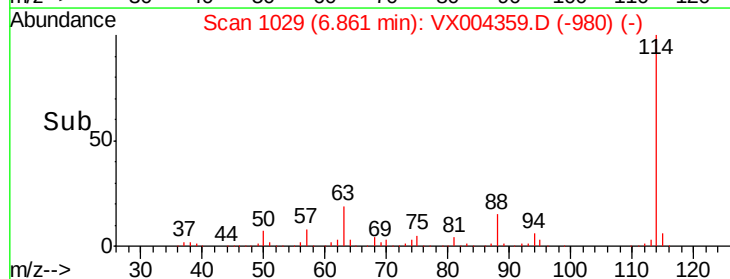
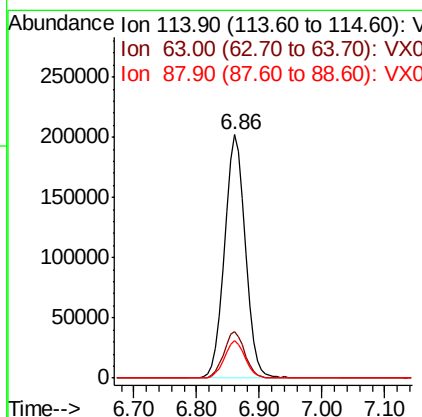
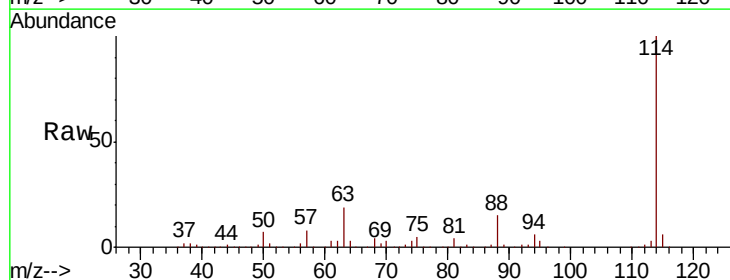
Manual Integrations
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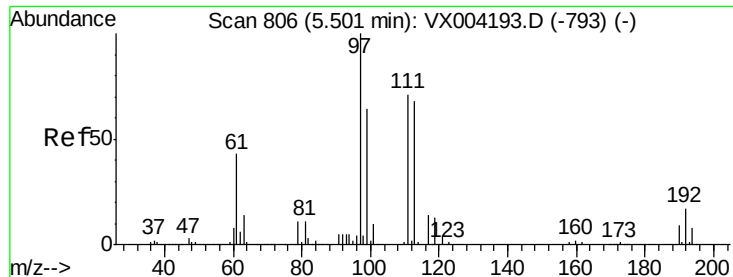
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	463832		
63	19.2	0.0	39.0	
88	15.3	0.0	30.4	





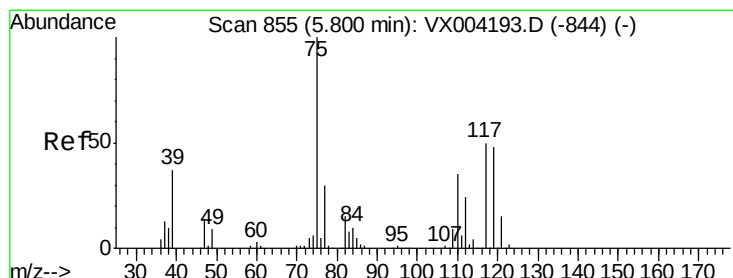
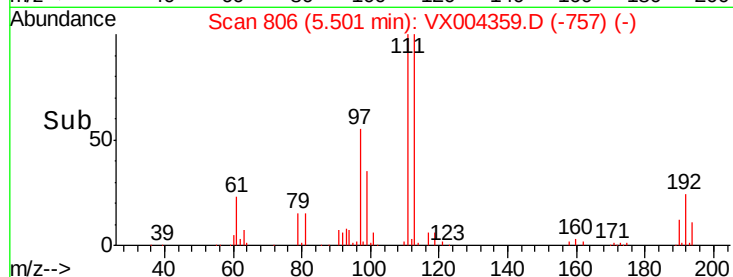
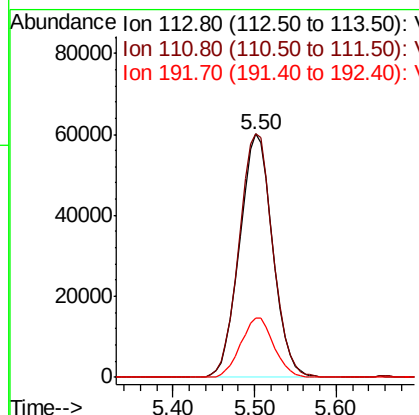
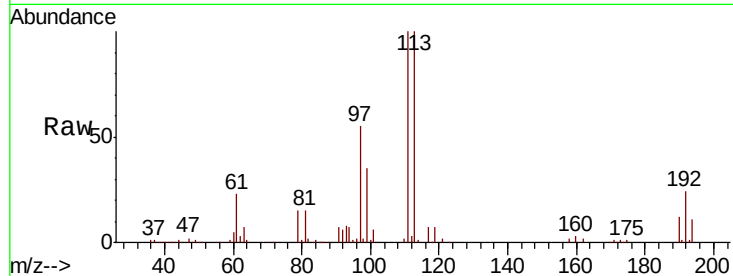
#35
 Dibromofluoromethane
 Concen: 48.94 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168862		
111	102.2	82.4	123.6	
192	24.5	19.4	29.2	

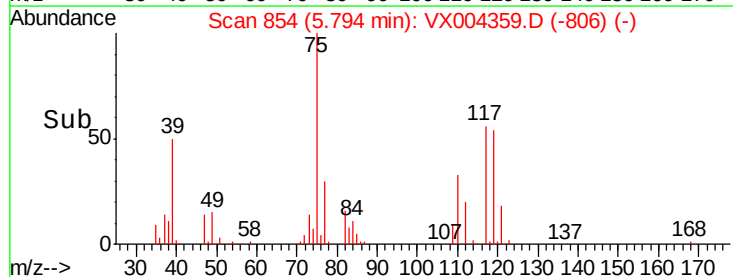
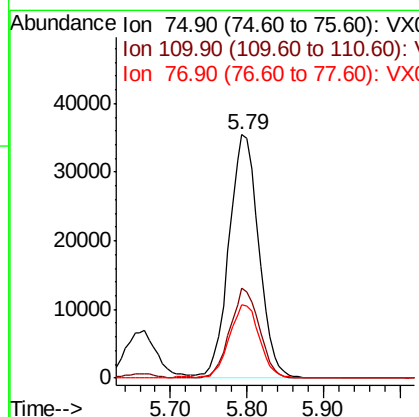
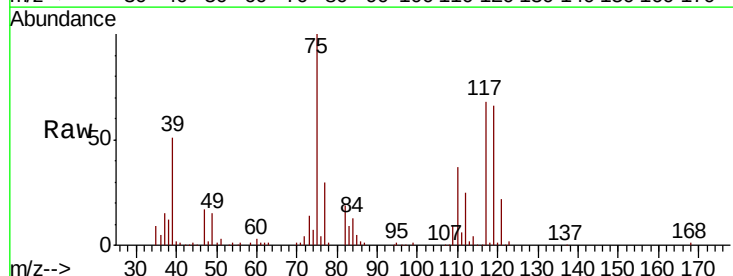
Manual Integrations
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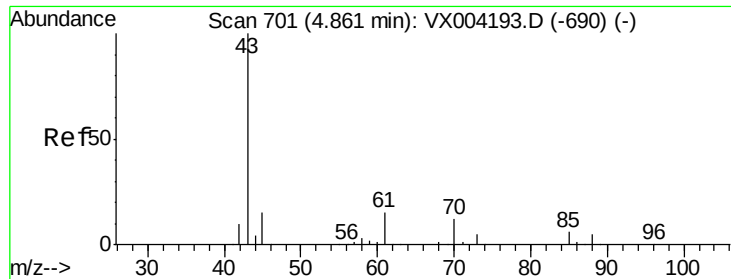
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 18.40 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95926		
110	36.0	18.0	54.0	
77	30.4	24.6	36.8	





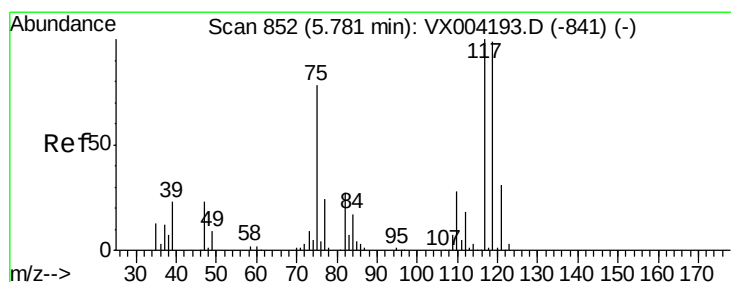
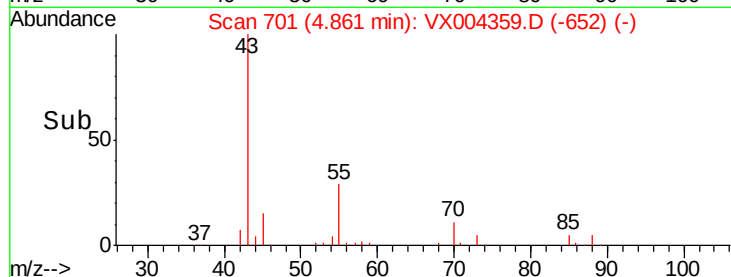
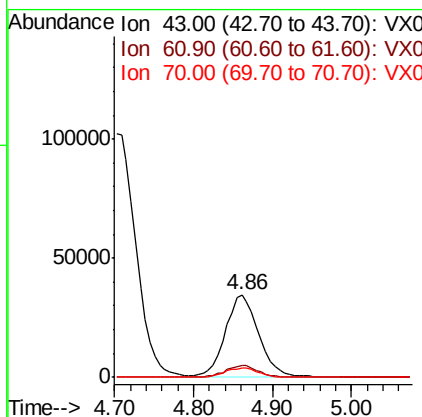
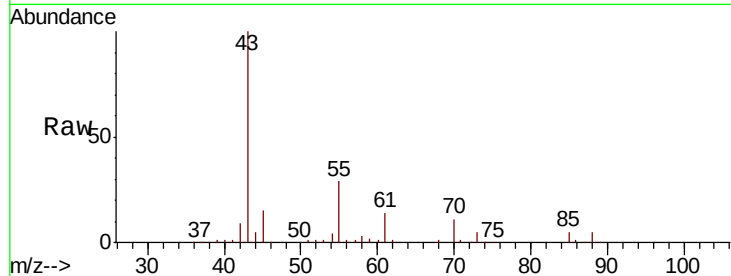
#37
Ethyl Acetate
Concen: 19.61 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.7	9.0	13.6

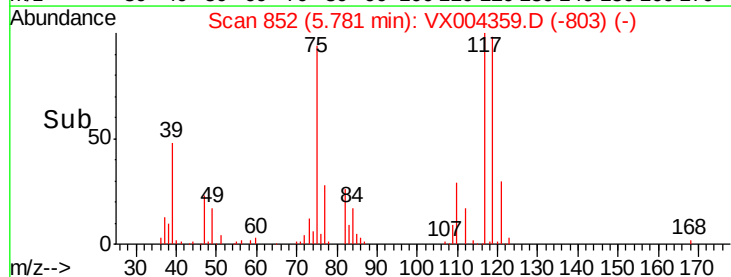
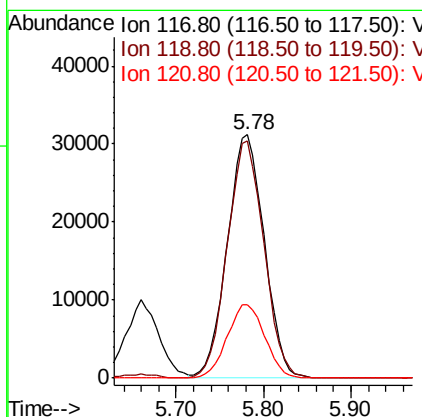
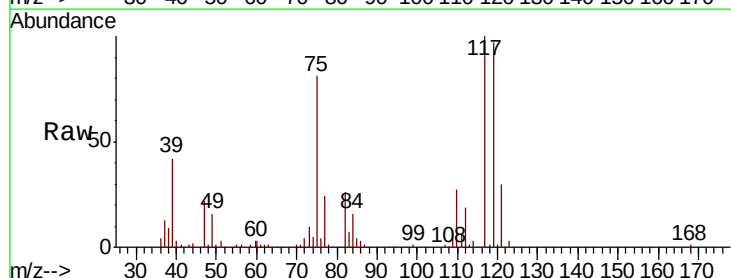
Manual Integrations
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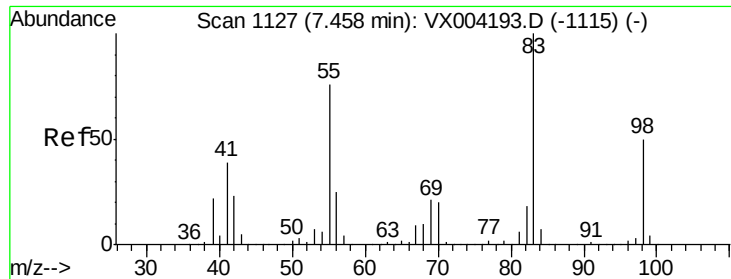
MMDadoda
9/5/2018 4:52:52 PM



#38
Carbon Tetrachloride
Concen: 18.74 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.8	118.2
121	30.3	24.9	37.3





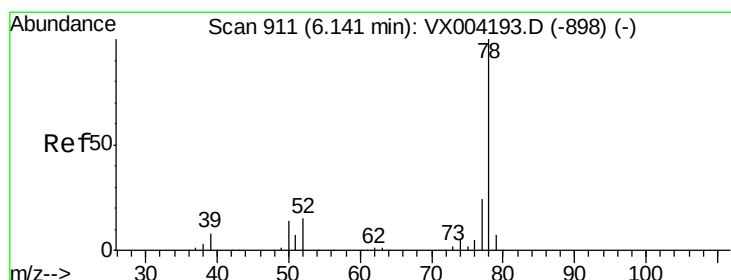
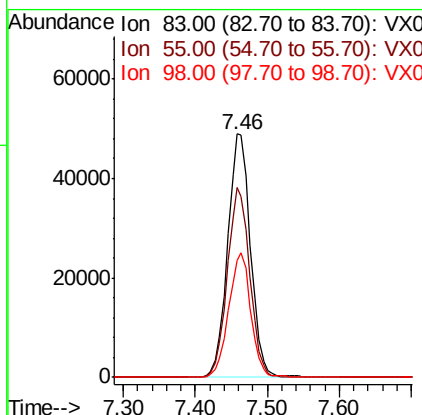
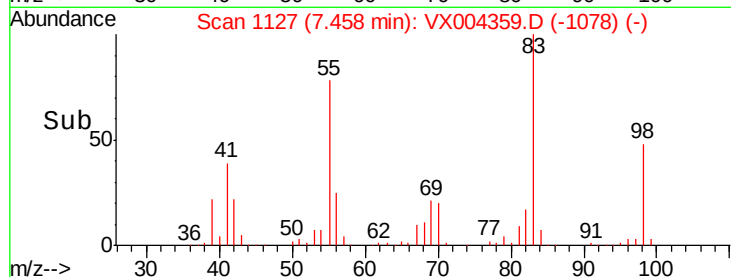
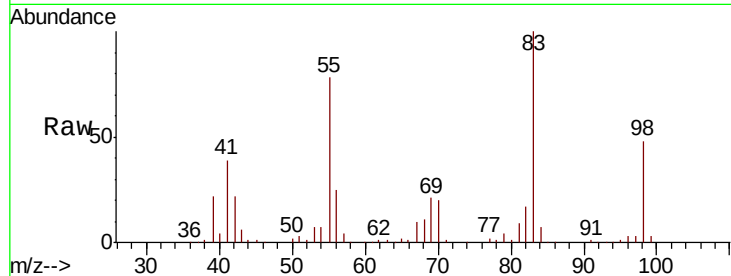
#39
Methylvlcyclohexane
Concen: 18.15 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.9	61.0	91.4	
98	48.0	39.6	59.4	

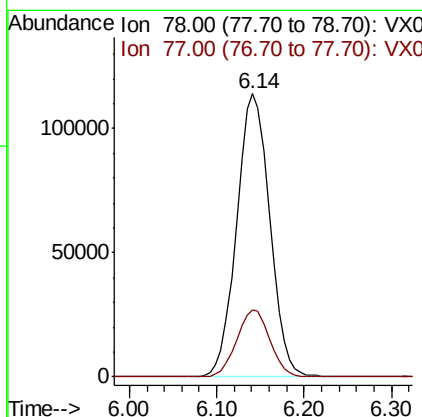
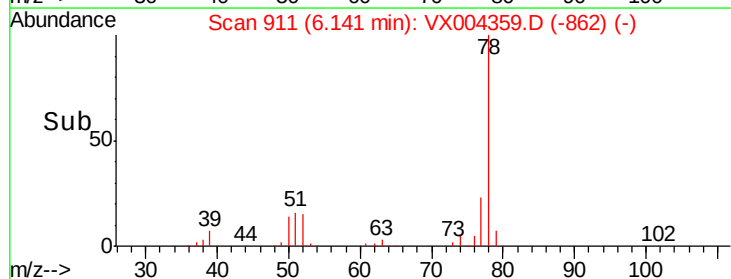
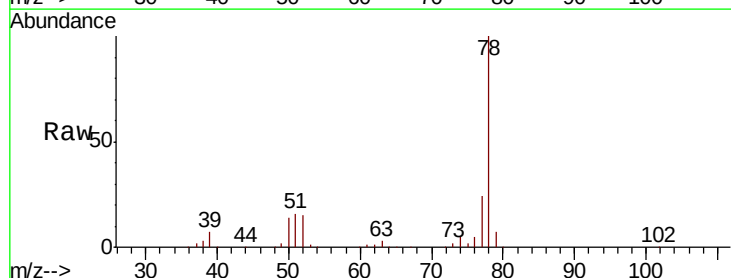
Manual Integrations
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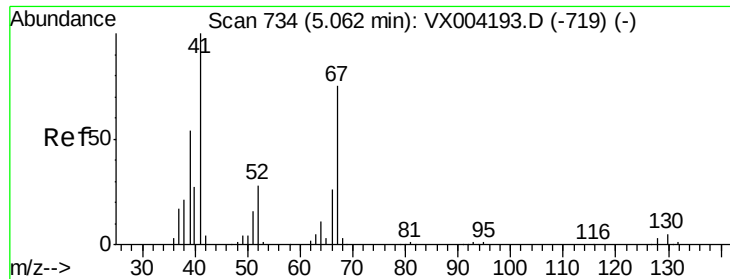
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#40
Benzene
Concen: 19.28 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.0	28.4	





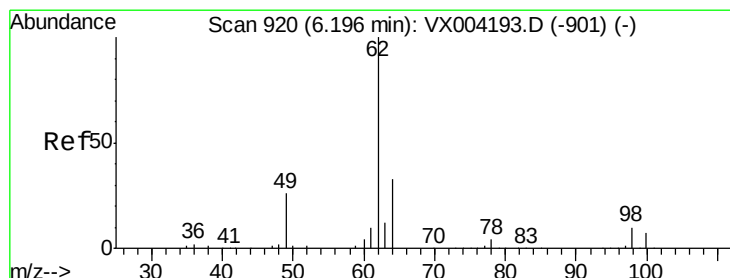
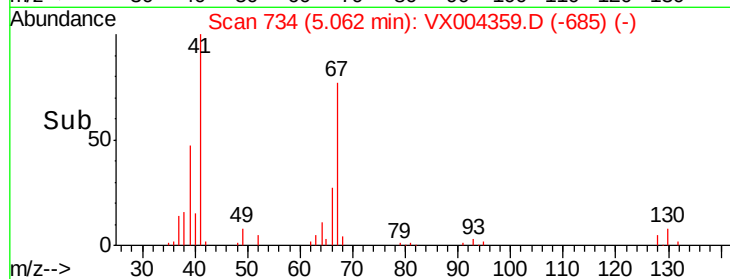
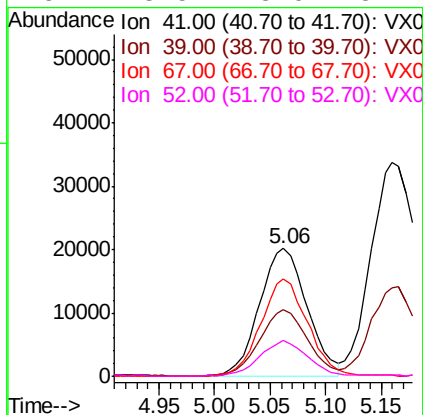
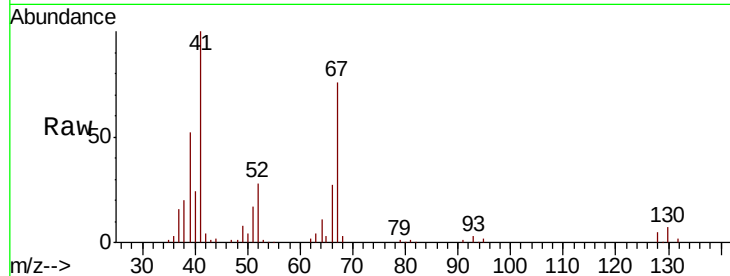
#41
Methacrylonitrile
Concen: 20.11 ug/l
RT: 5.06 min Scan# 734
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.4	63.6	
67	75.1	59.2	88.8	
52	28.5	23.0	34.4	

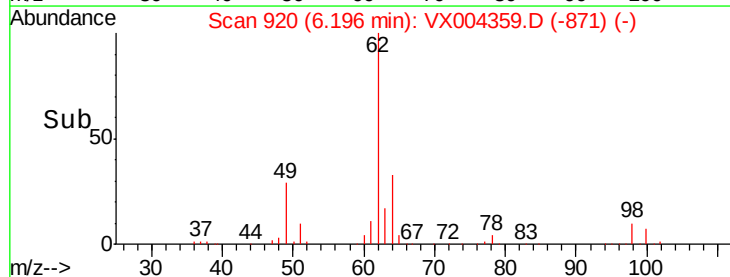
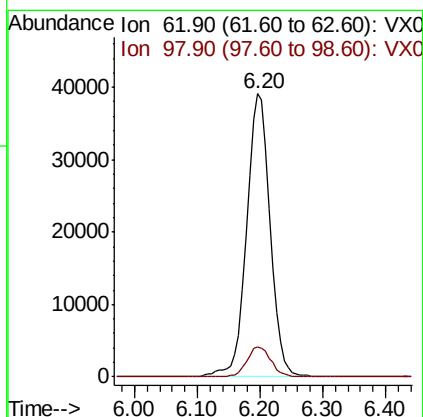
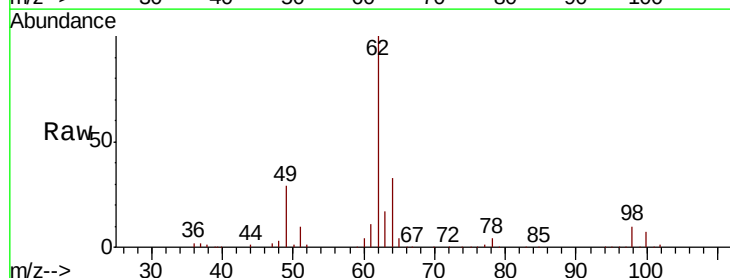
Manual Integrations
APPROVED

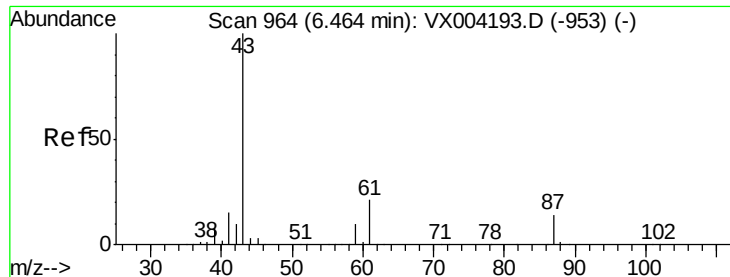
MMDadoda
9/5/2018 4:52:52 PM



#42
1,2-Dichloroethane
Concen: 19.10 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.6	





#43

Isopropyl Acetate

Concen: 19.94 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

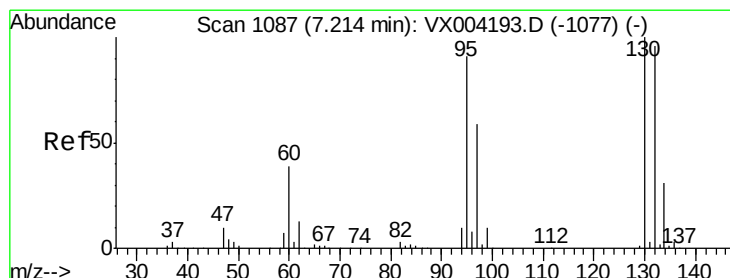
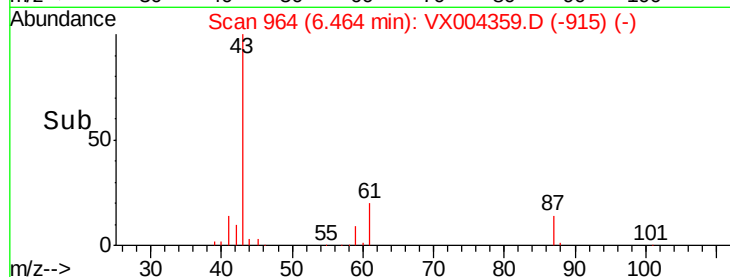
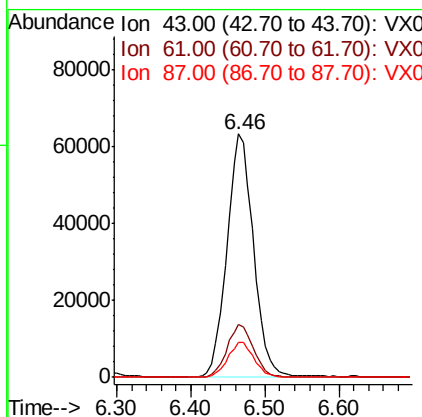
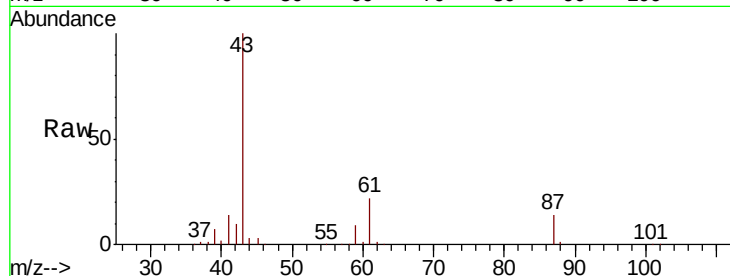
ClientSampleId :

VX0904MBSD01

Tot Ion:	43	Resp:	157095
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.0	25.4
87	14.5	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.02 ug/l

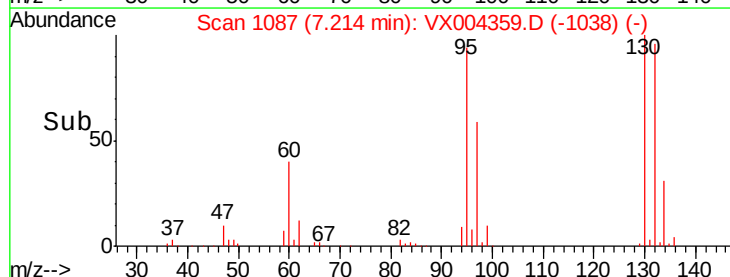
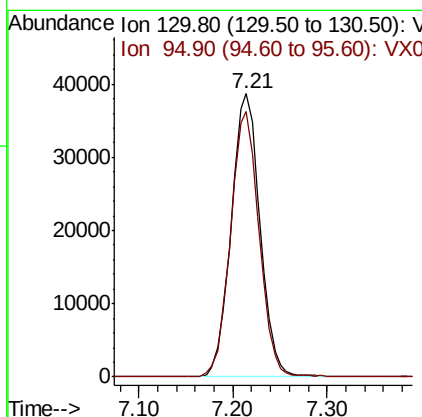
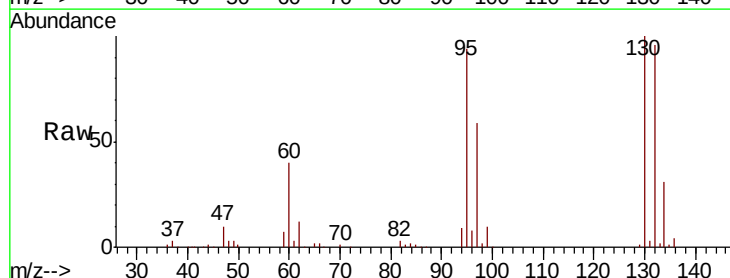
RT: 7.21 min Scan# 1087

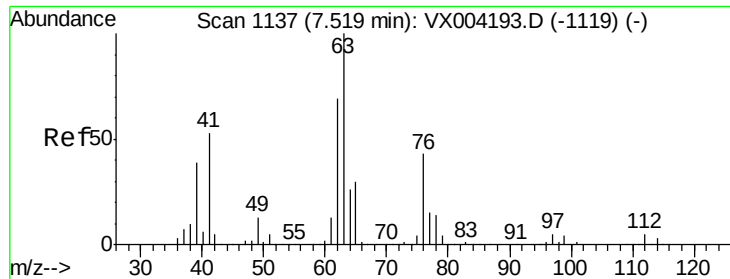
Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Tgt Ion:	130	Resp:	82013
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	181.6





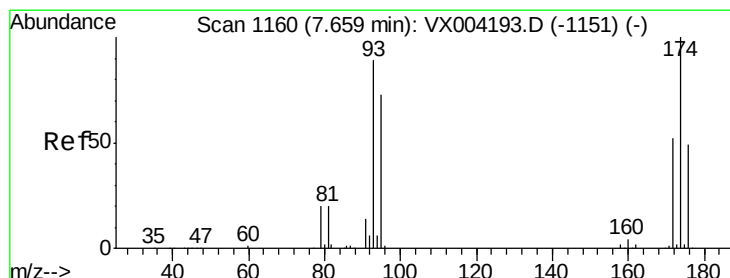
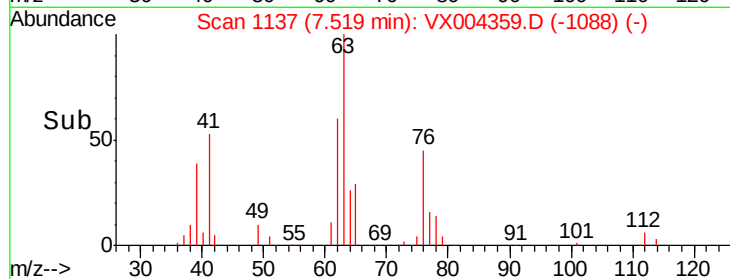
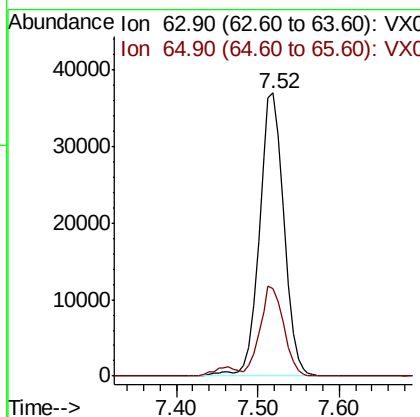
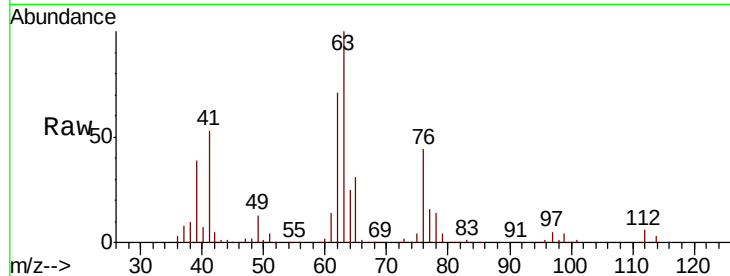
#45
 1,2-Dichloropropane
 Concen: 19.98 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion	63	Resp	77912
Ion Ratio	Lower	Upper	
63	100		
65	30.8	24.3	36.5

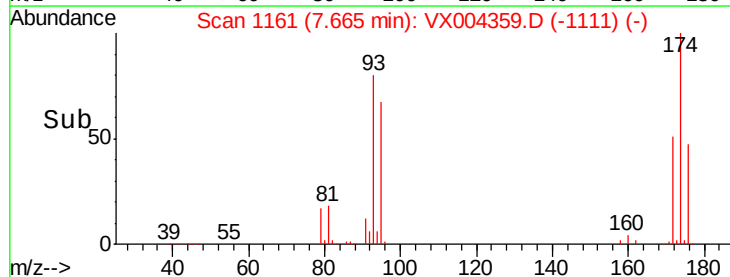
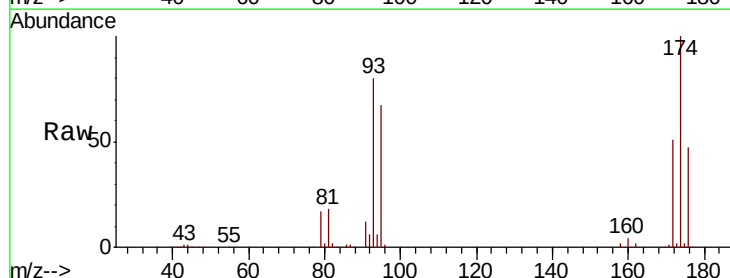
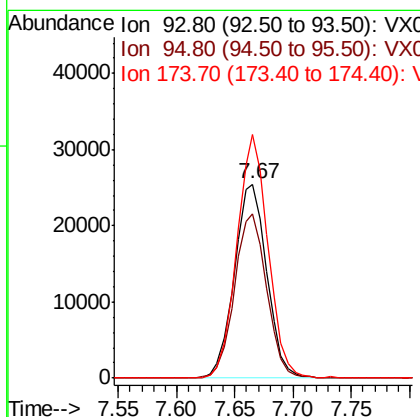
Manual Integrations
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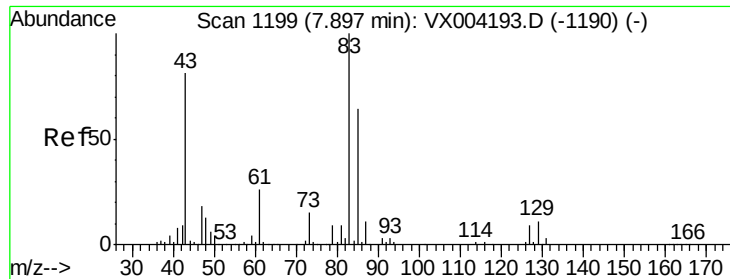
MMDadoda
 9/5/2018 4:52:52 PM



#46
 Dibromomethane
 Concen: 19.02 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	93	Resp	49397
Ion Ratio	Lower	Upper	
93	100		
95	83.7	65.5	98.3
174	120.3	94.2	141.4





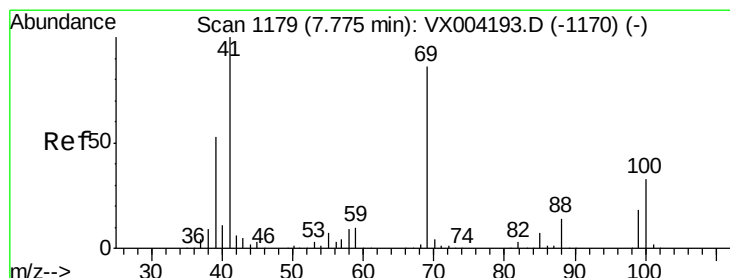
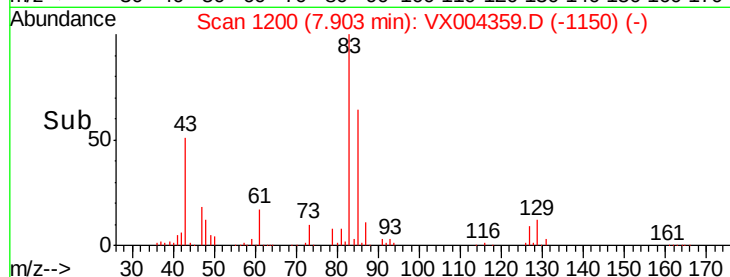
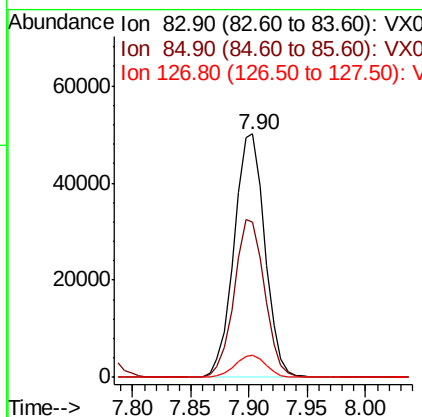
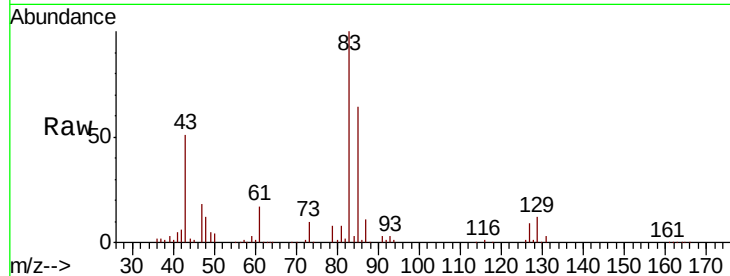
#47
 Bromodichloromethane
 Concen: 19.22 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion	83	Resp	92846
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.9	76.3
127	9.3	7.3	10.9

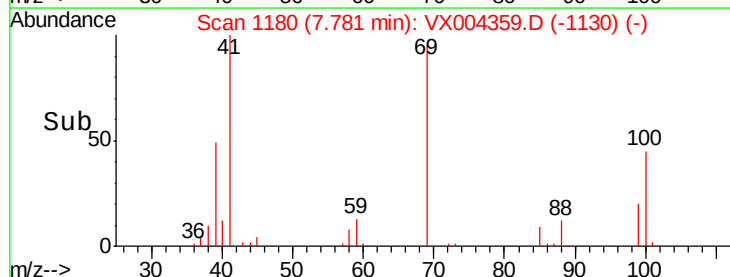
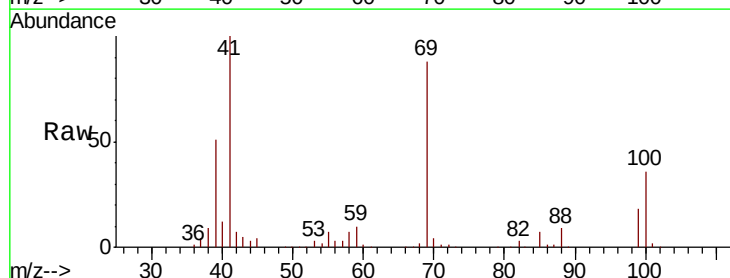
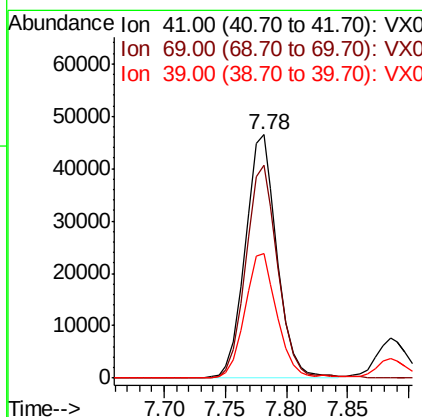
Manual Integrations
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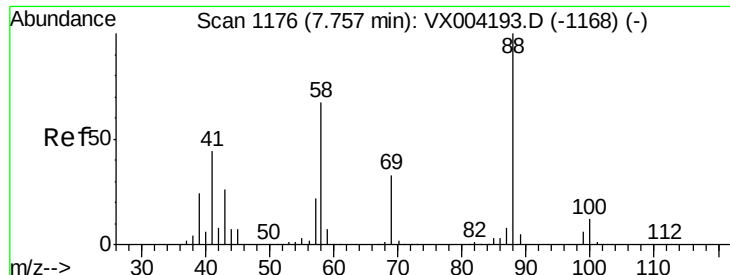
MMDadoda
 9/5/2018 4:52:52 PM



#48
 Methyl methacrylate
 Concen: 19.69 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	41	Resp	83031
Ion Ratio	Lower	Upper	
41	100		
69	89.5	70.2	105.4
39	52.3	42.7	64.1





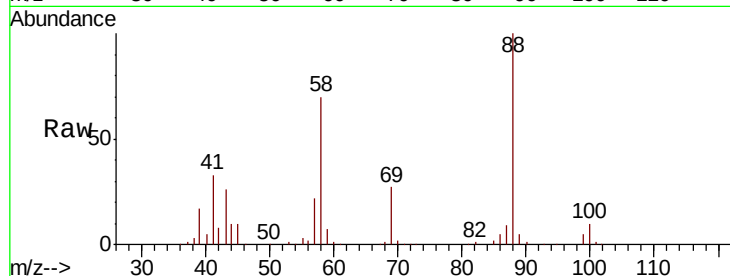
#49
1,4-Dioxane
Concen: 426.29 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.7	37.1
58	68.7	55.3	82.9

Manual Integrations
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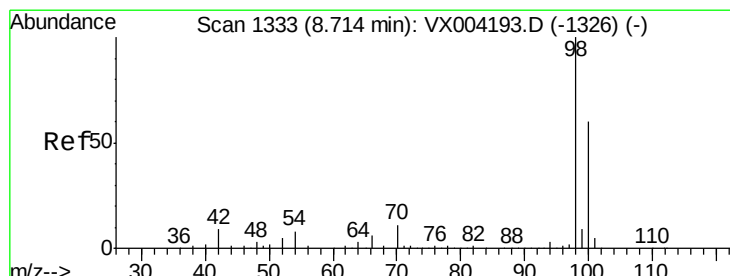
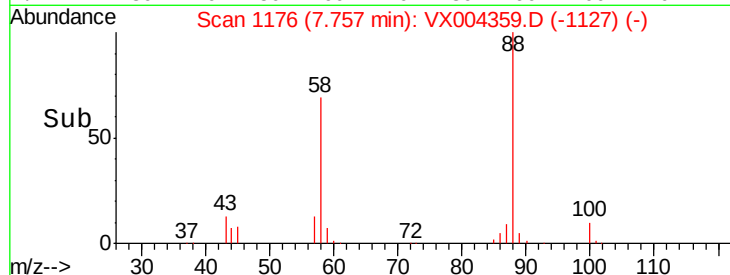
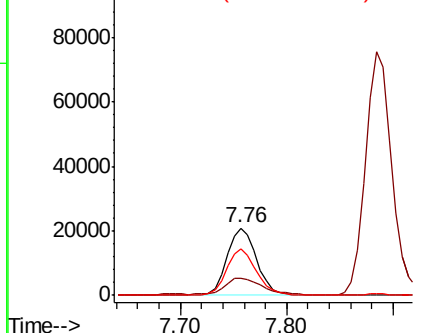


Abundance

Ion 88.00 (87.70 to 88.70): VX0

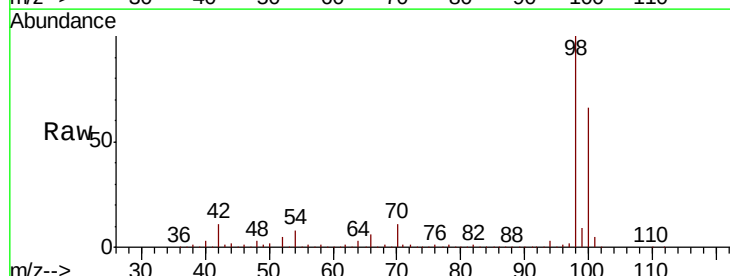
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.07 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

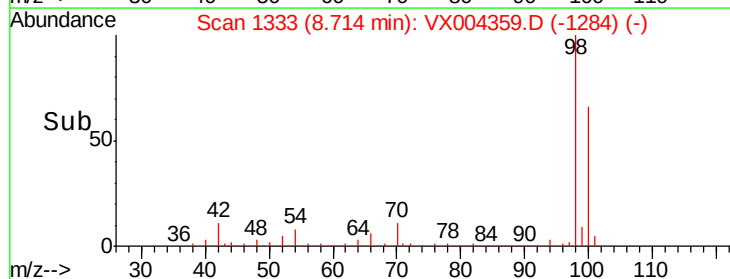
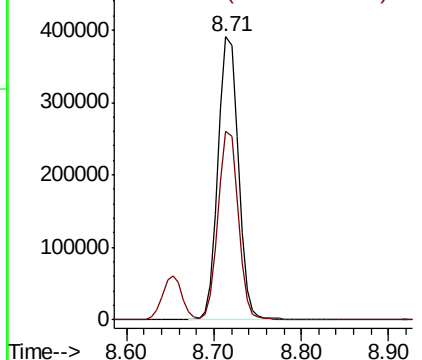
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3

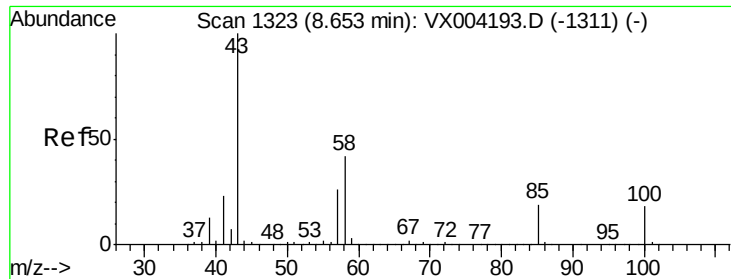


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





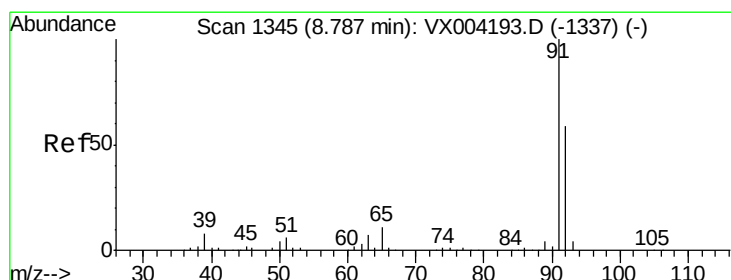
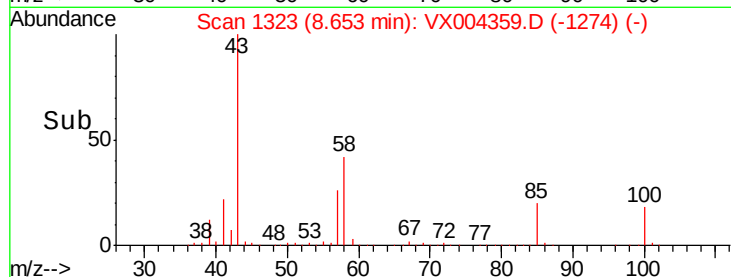
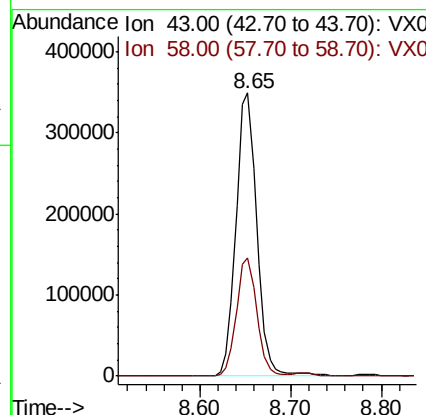
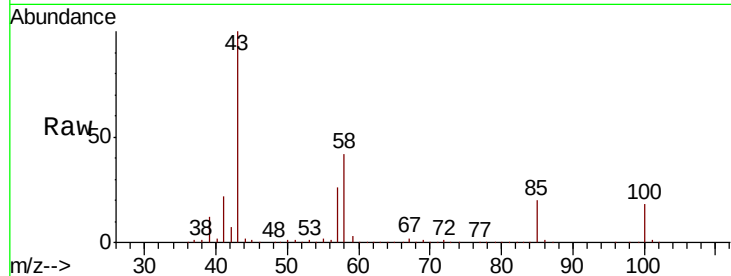
#51
4-Methyl-2-Pentanone
Concen: 97.54 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.0	33.1	49.7

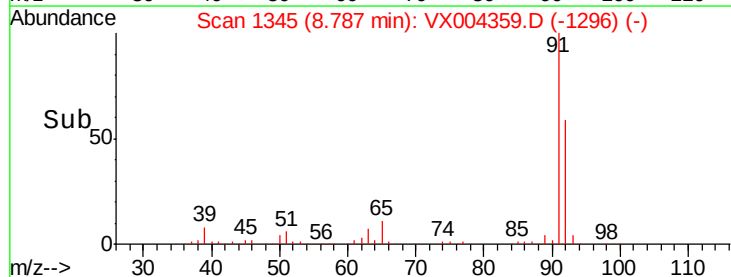
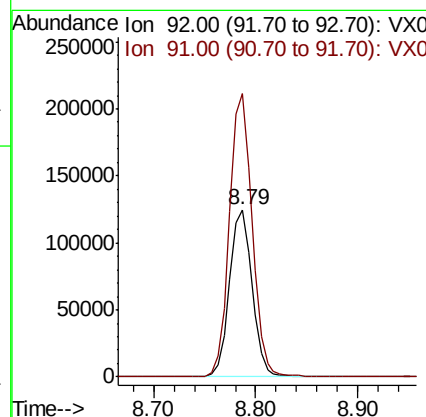
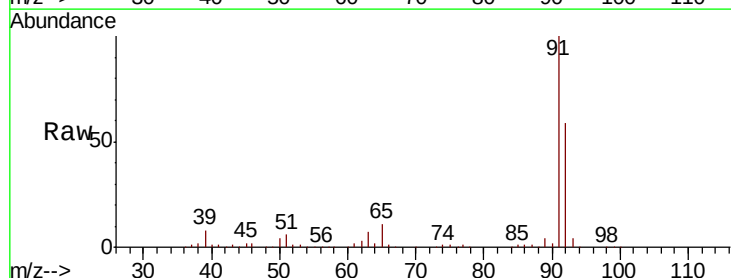
Manual Integrations
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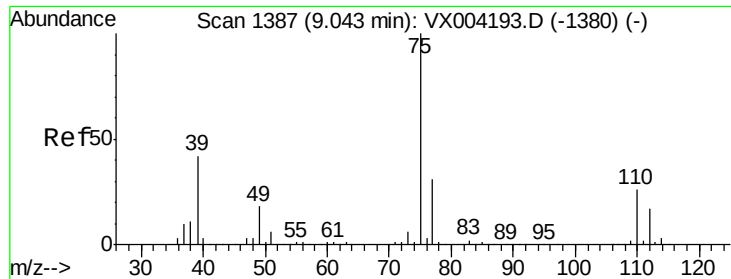
MMDadoda
9/5/2018 4:52:52 PM



#52
Toluene
Concen: 19.68 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.4	204.6





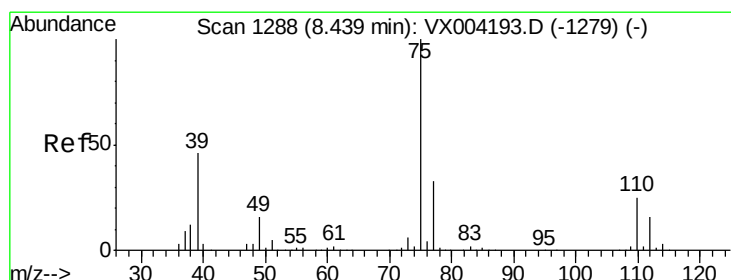
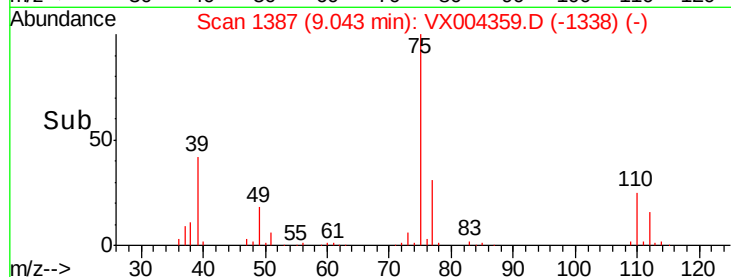
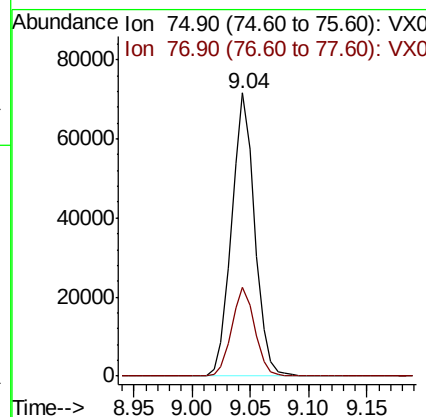
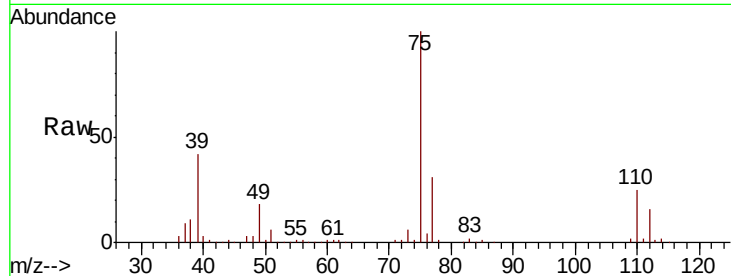
#53
t-1,3-Dichloropropene
Concen: 18.50 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion: 75 Resp: 98699
Ion Ratio Lower Upper
75 100
77 31.4 24.6 37.0

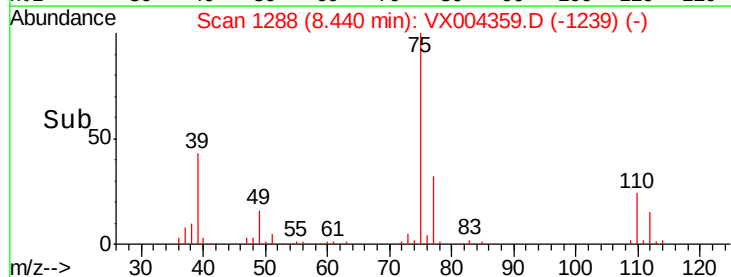
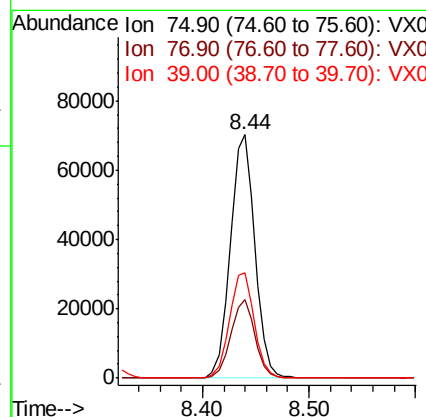
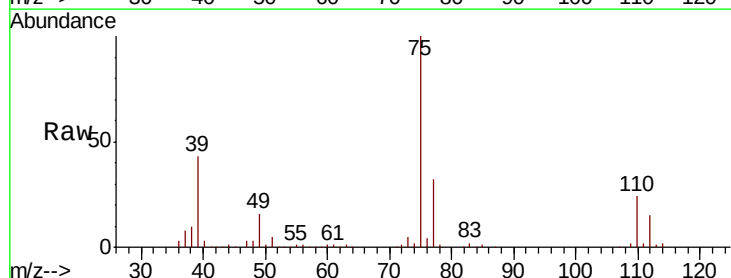
Manual Integrations
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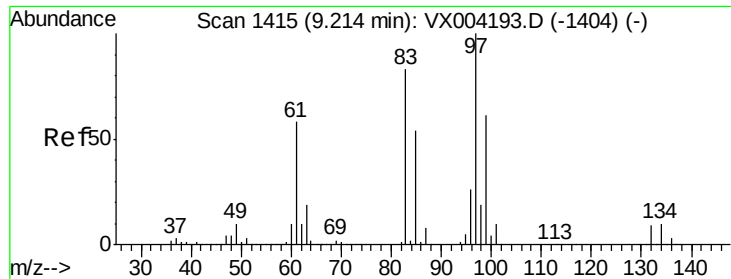
MMDadoda
9/5/2018 4:52:52 PM



#54
cis-1,3-Dichloropropene
Concen: 19.42 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion: 75 Resp: 112876
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
39 43.2 36.4 54.6





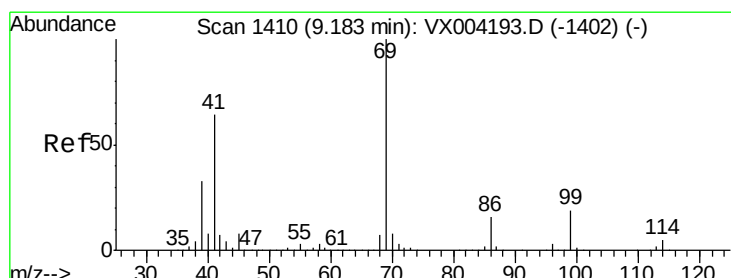
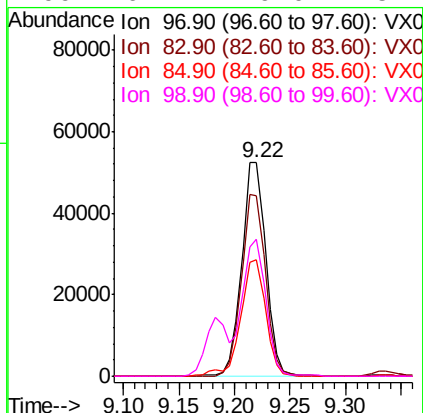
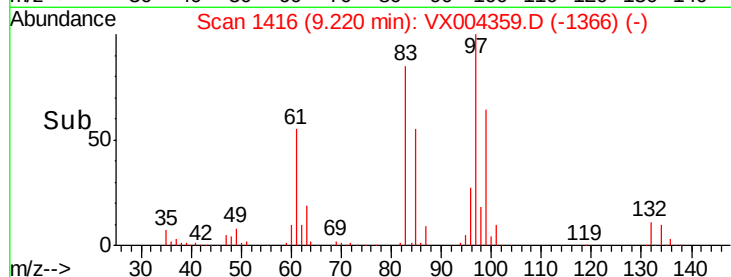
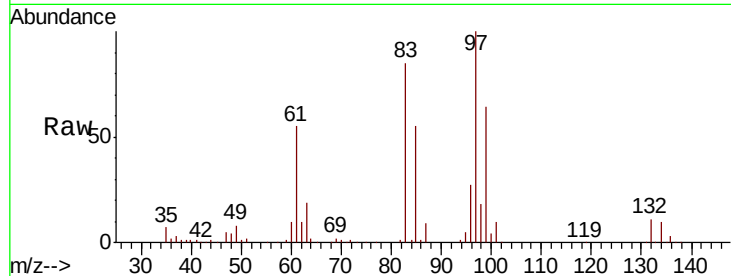
#55
 1,1,2-Trichloroethane
 Concen: 20.06 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		78989		
83	84.6	66.4	99.6		
85	54.5	43.3	64.9		
99	64.2	49.0	73.4		

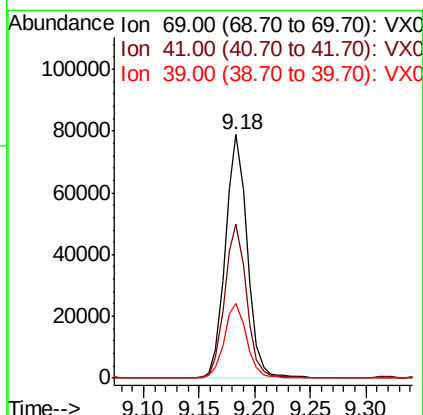
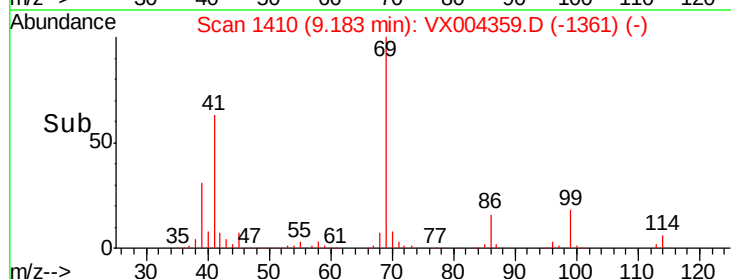
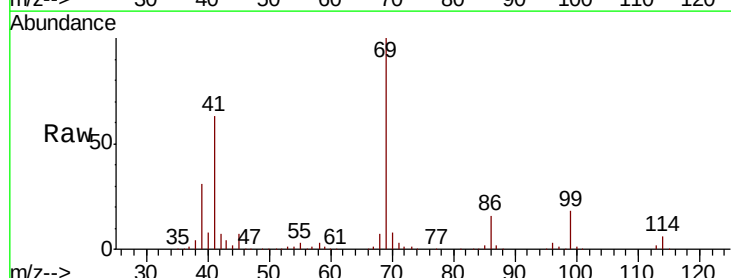
Manual Integrations
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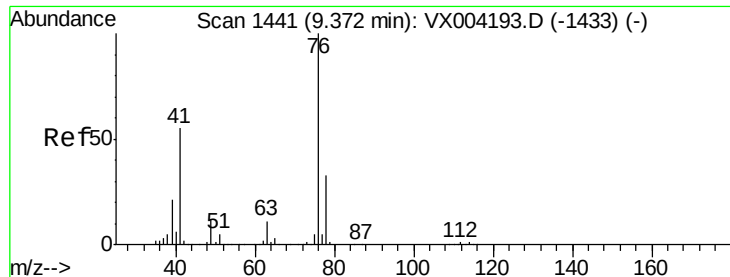
MMDadoda
 9/5/2018 4:52:52 PM



#56
 Ethyl methacrylate
 Concen: 20.13 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		107894		
41	62.6	51.0	76.4		
39	31.1	26.1	39.1		





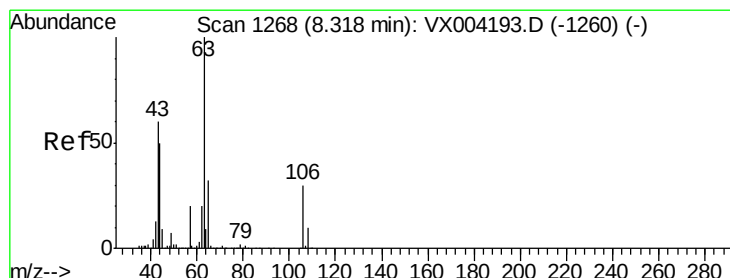
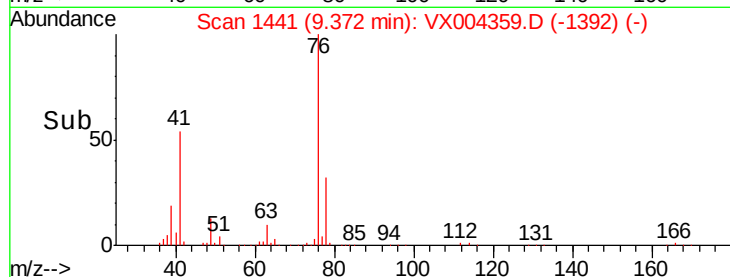
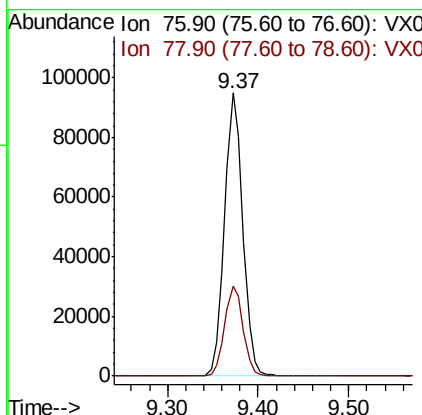
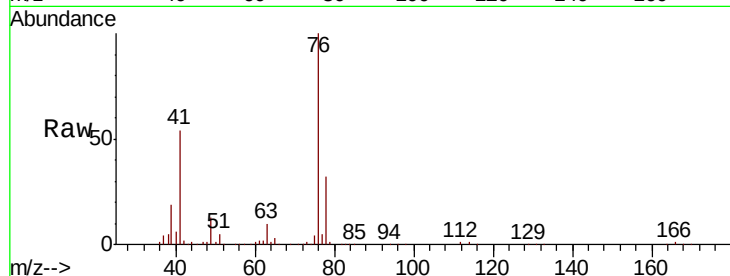
#57
 1,3-Dichloropropane
 Concen: 20.08 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

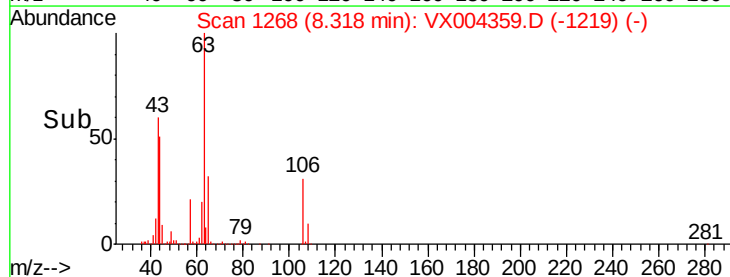
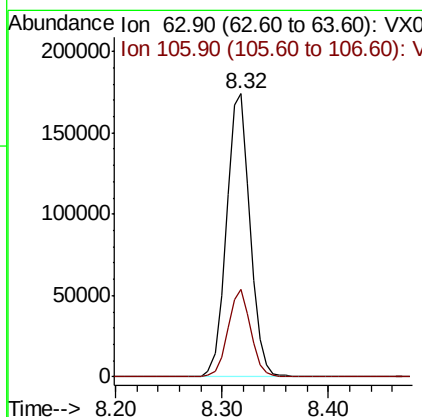
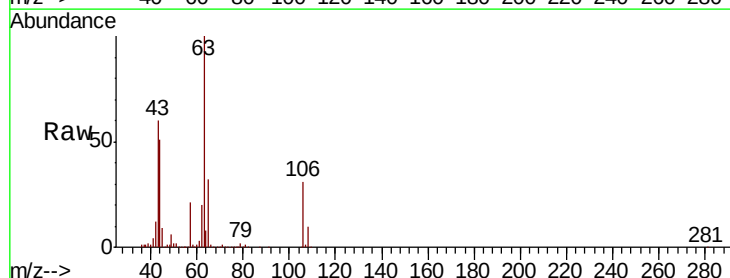
Manual Integrations
 APPROVED

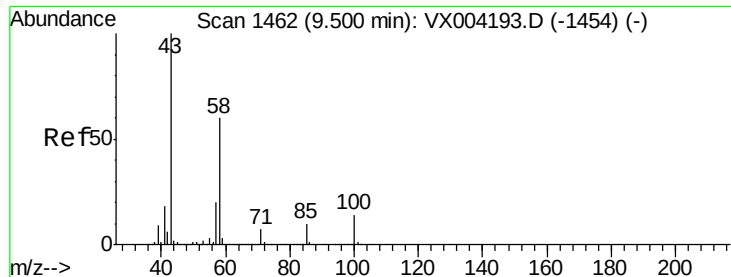
MMDadoda
 9/5/2018 4:52:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.23 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.9	35.9





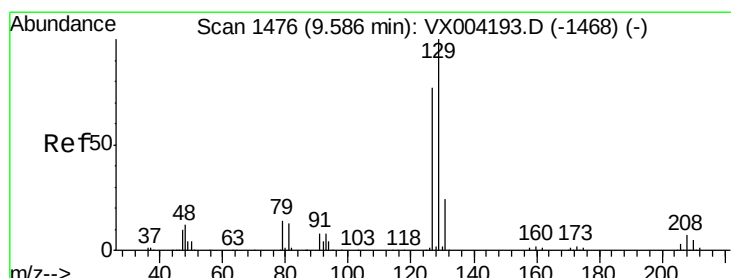
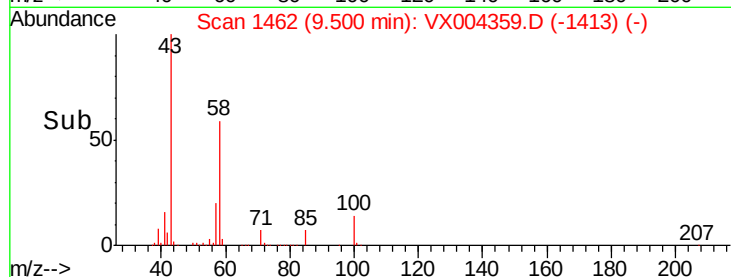
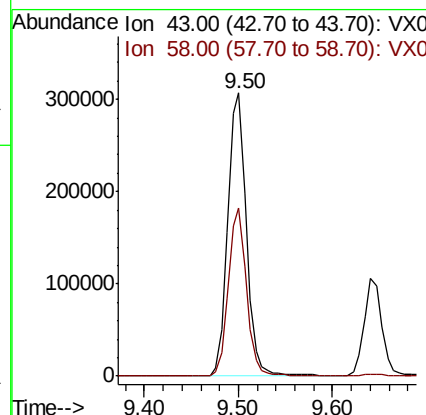
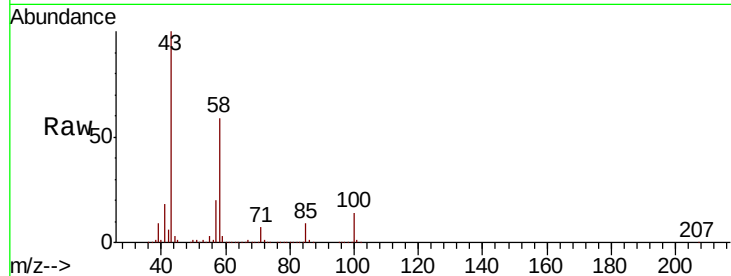
#59
2-Hexanone
Concen: 96.54 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion: 43 Resp: 421688
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0

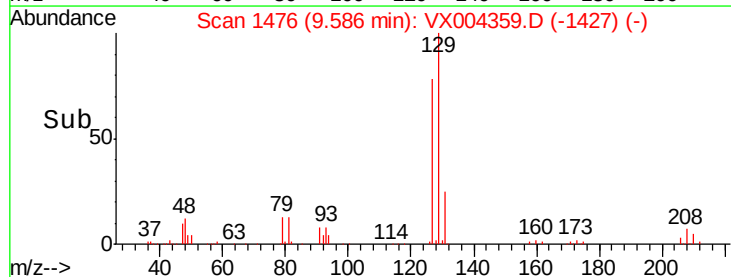
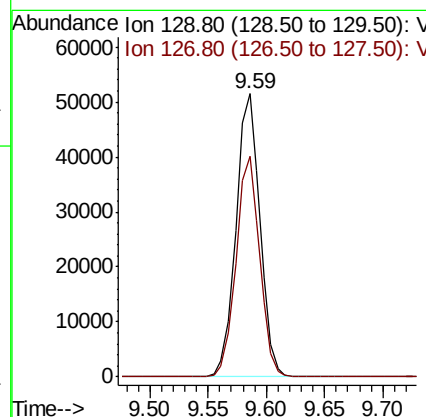
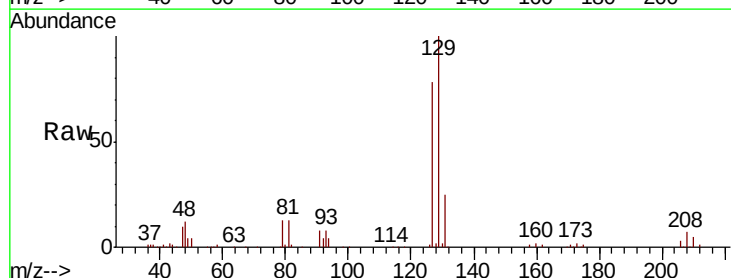
Manual Integrations
APPROVED

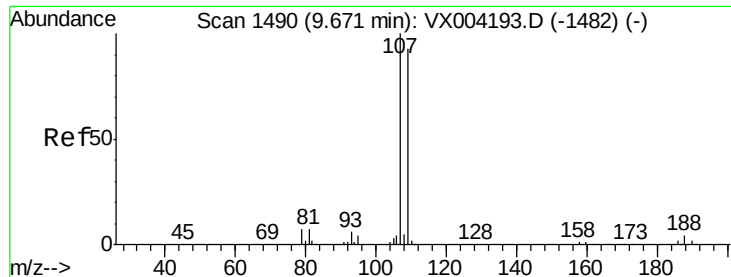
MMDadoda
9/5/2018 4:52:52 PM



#60
Dibromochloromethane
Concen: 19.24 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion: 129 Resp: 73822
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.69 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion: 107 Resp: 80221

Ion Ratio Lower Upper

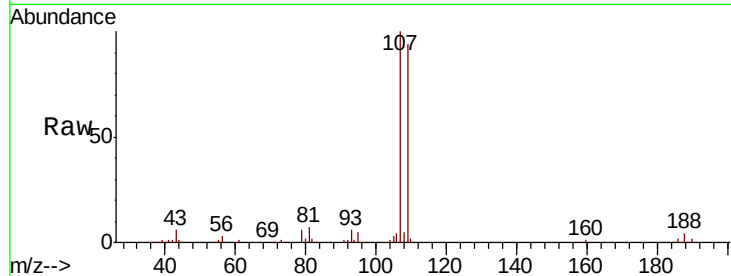
107 100

109 94.3 76.0 114.0

Manual Integrations
APPROVED

MMDadoda

9/5/2018 4:52:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

50000

40000

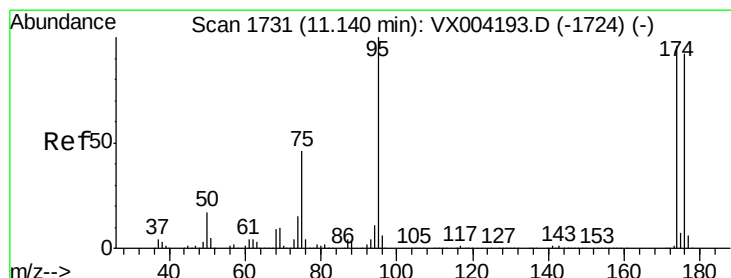
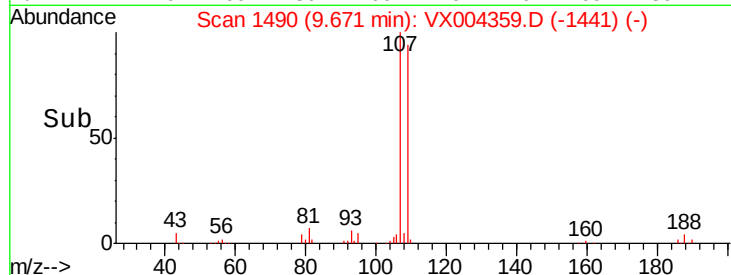
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

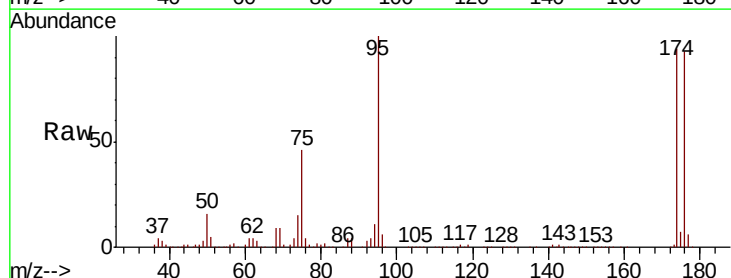
Tgt Ion: 95 Resp: 238313

Ion Ratio Lower Upper

95 100

174 90.7 0.0 185.2

176 88.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

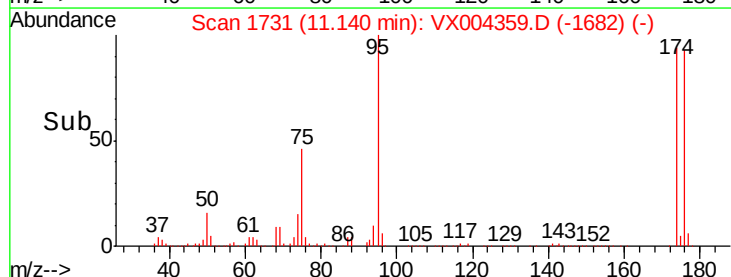
150000

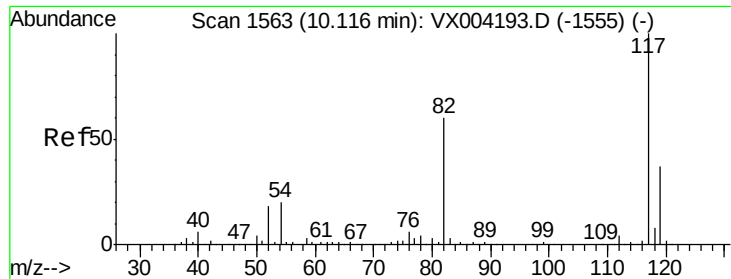
100000

50000

0

Time-->





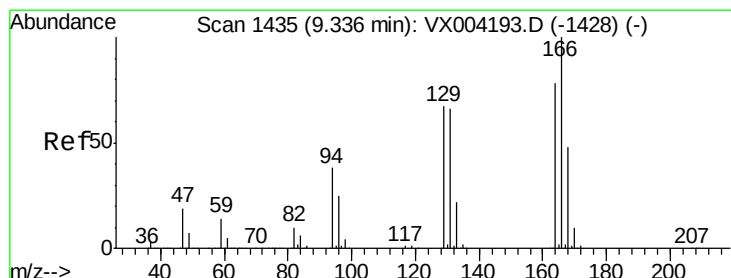
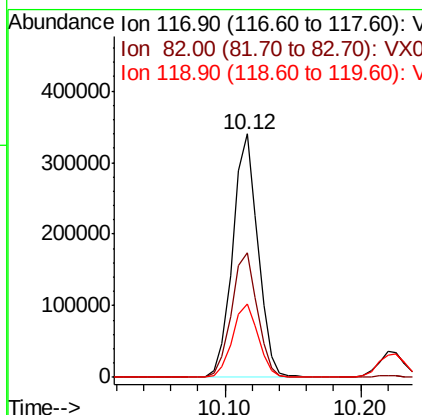
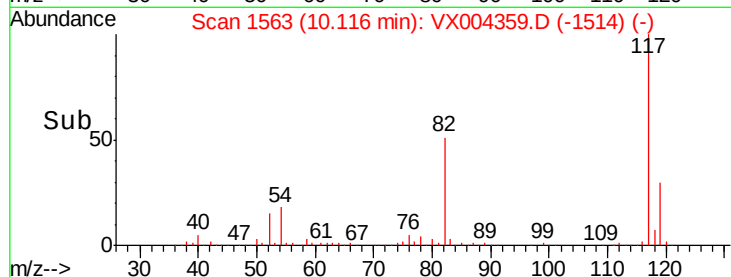
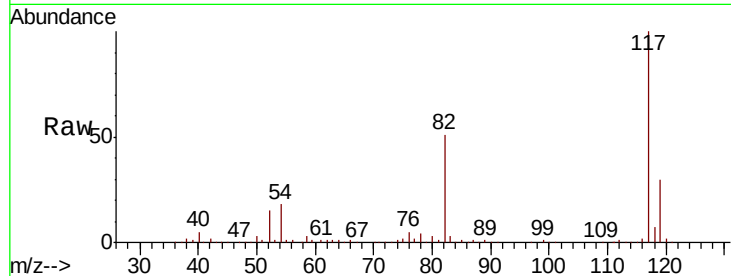
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	47.8	71.6
119	30.2	29.3	43.9

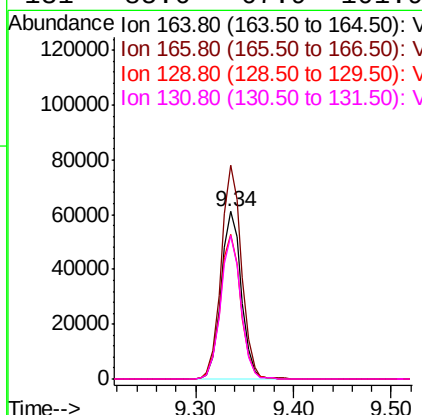
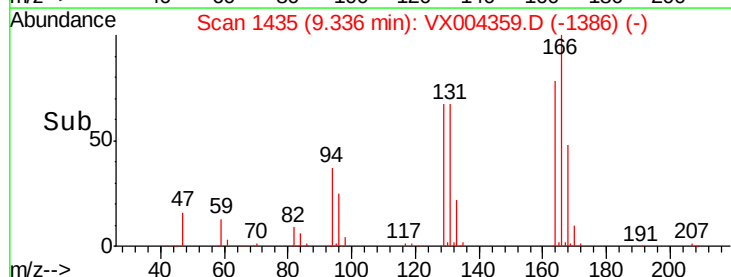
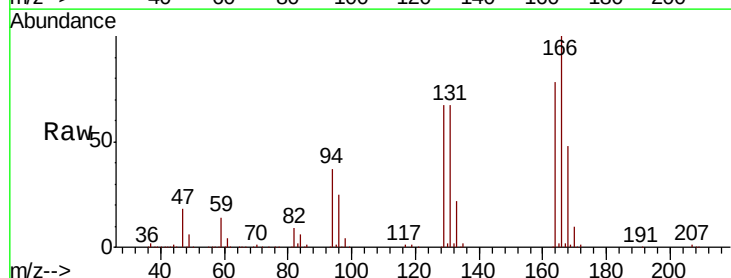
Manual Integrations
APPROVED

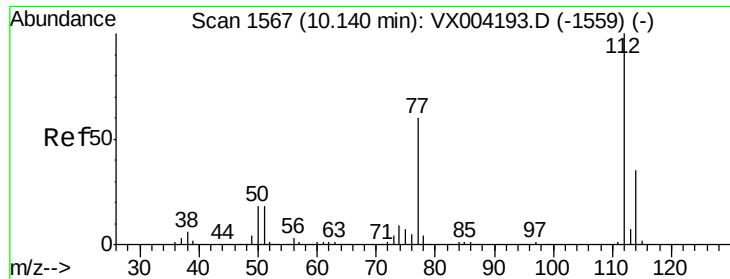
MMDadoda
9/5/2018 4:52:52 PM



#64
Tetrachloroethene
Concen: 20.27 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.8	154.2
129	86.2	69.4	104.0
131	85.6	67.9	101.9





#65

Chlorobenzene

Concen: 18.68 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampled :

VX0904MBSD01

Tot Ion:112 Resp: 205523

Ion Ratio Lower Upper

112 100

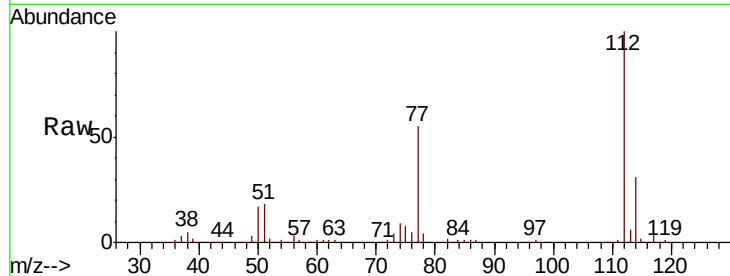
114 31.0 27.8 41.8

Manual Integrations

APPROVED

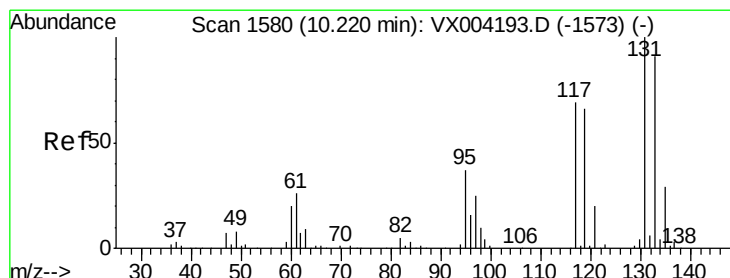
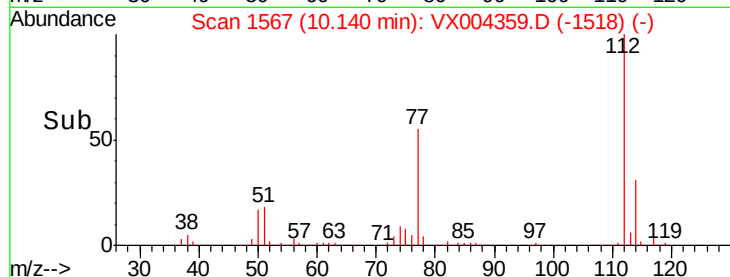
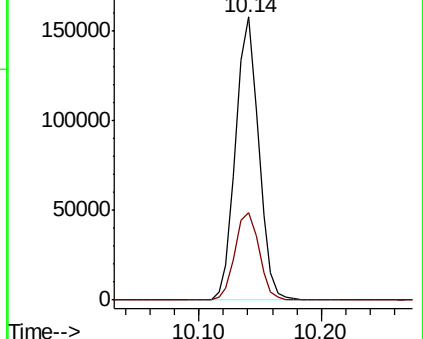
MMDadoda

9/5/2018 4:52:52 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.65 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

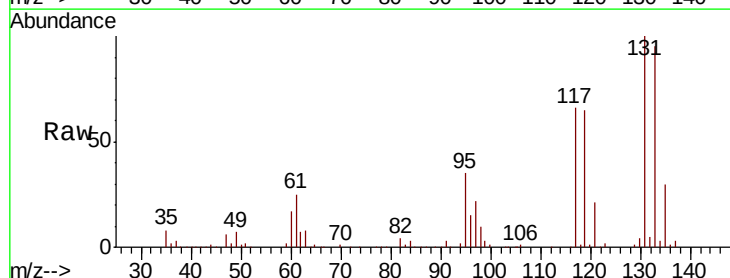
Tgt Ion:131 Resp: 70773

Ion Ratio Lower Upper

131 100

133 96.2 48.1 144.4

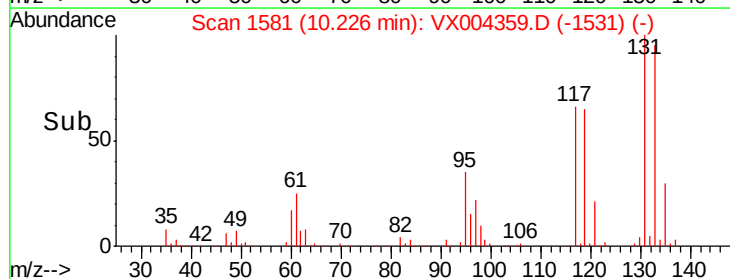
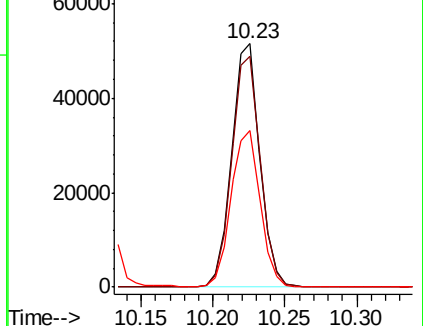
119 66.5 32.9 98.6

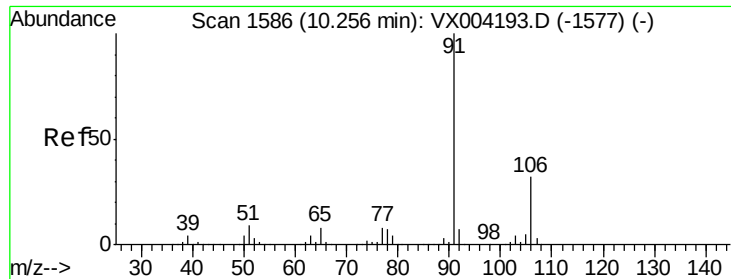


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.86 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion: 91 Resp: 336935

Ion Ratio Lower Upper

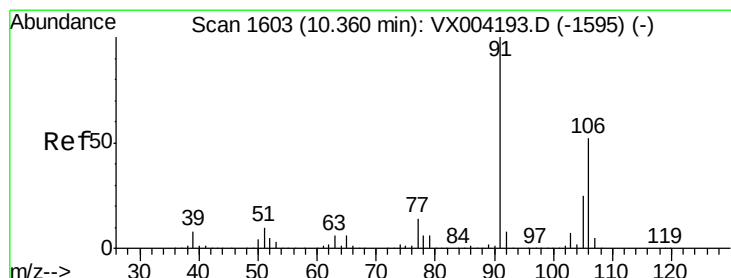
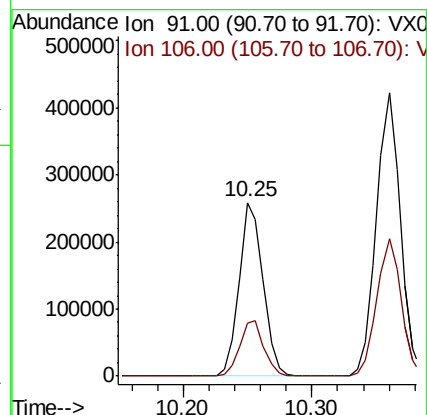
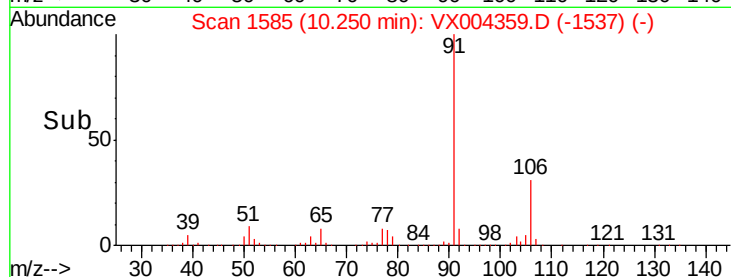
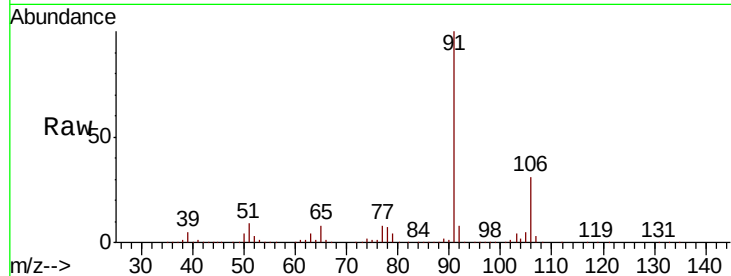
91 100

106 30.7 25.9 38.9

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 38.24 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004359.D

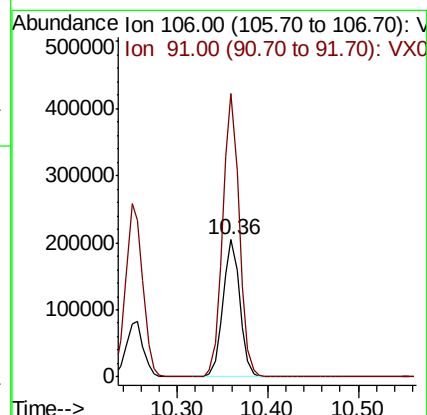
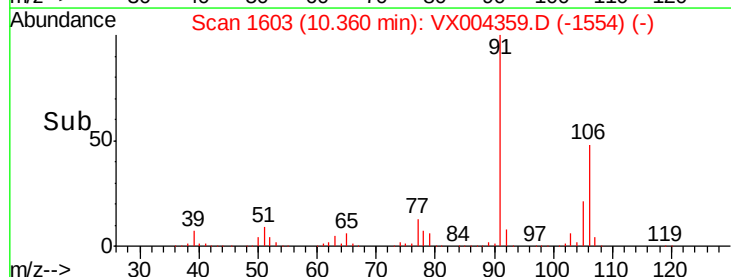
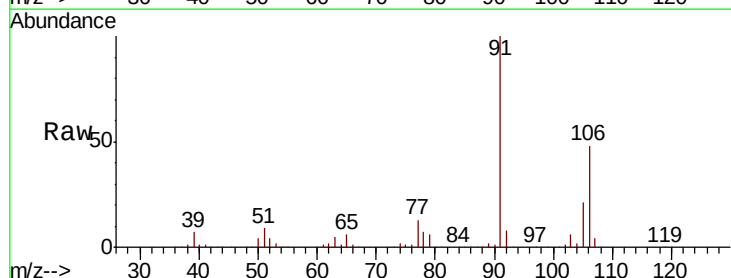
Acq: 04 Sep 2018 20:40

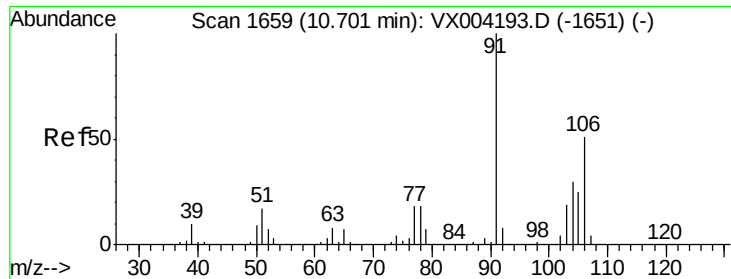
Tgt Ion: 106 Resp: 267177

Ion Ratio Lower Upper

106 100

91 202.2 157.1 235.7





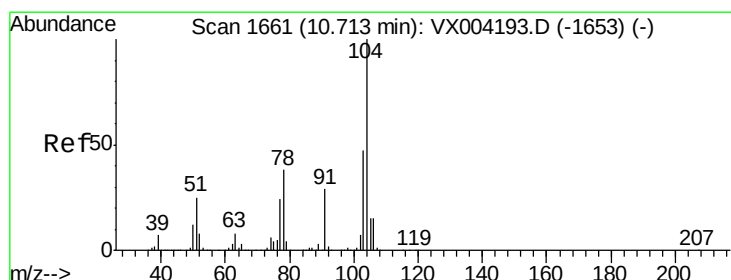
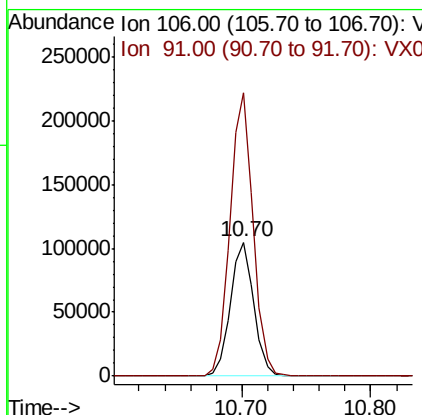
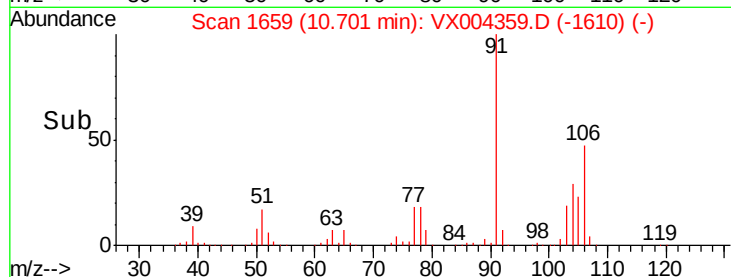
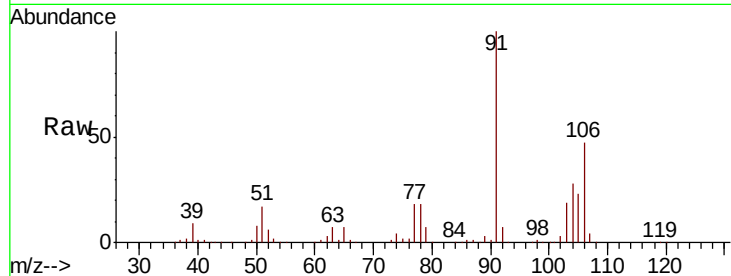
#69
o-Xylene
Concen: 20.14 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		133118		
91	210.0	105.1	315.1		

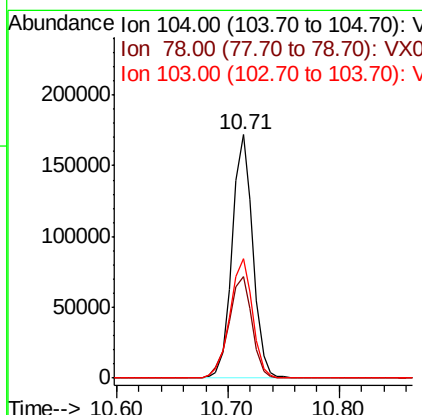
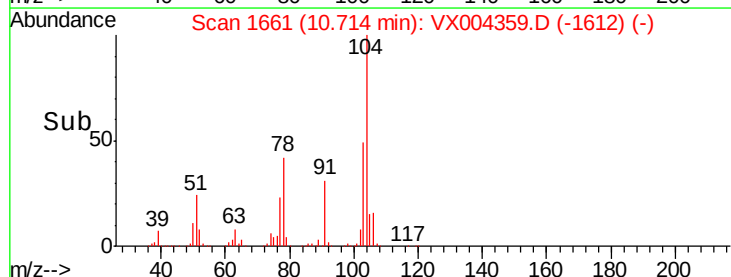
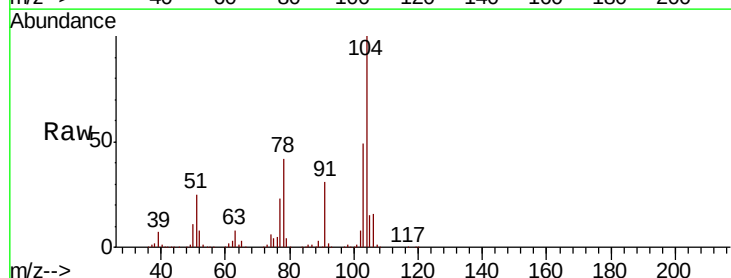
Manual Integrations
APPROVED

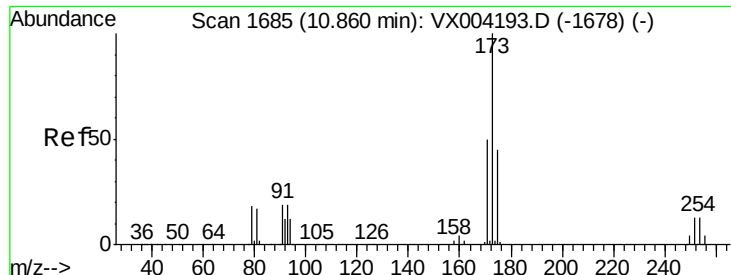
MMDadoda
9/5/2018 4:52:52 PM



#70
Styrene
Concen: 20.61 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		220513		
78	46.9	37.4	56.0		
103	54.2	43.8	65.6		





#71

Bromoform

Concen: 18.13 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion:173 Resp: 55464

Ion Ratio Lower Upper

173 100

175 50.1 24.1 72.3

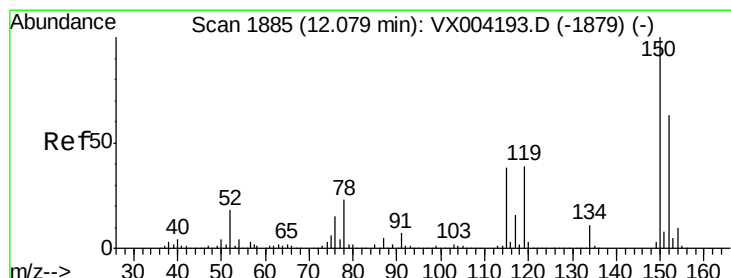
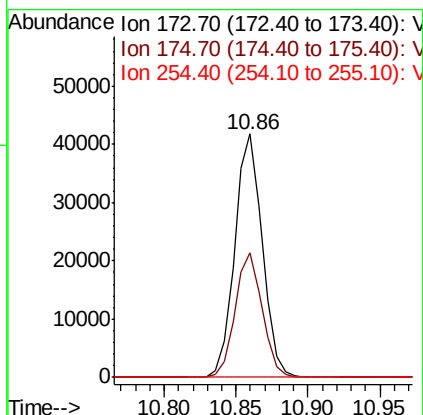
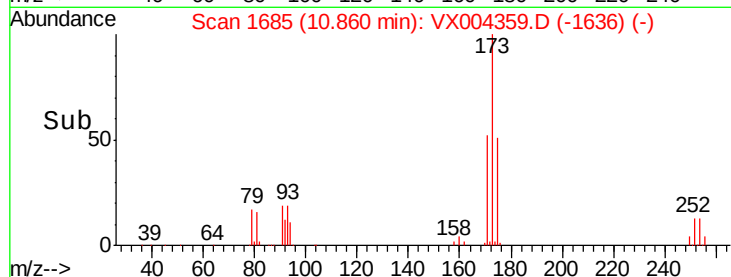
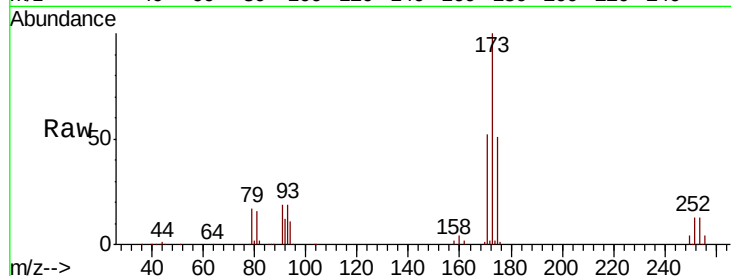
254 0.2 0.2 0.2

Manual Integrations

APPROVED

MMDadoda

9/5/2018 4:52:52 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

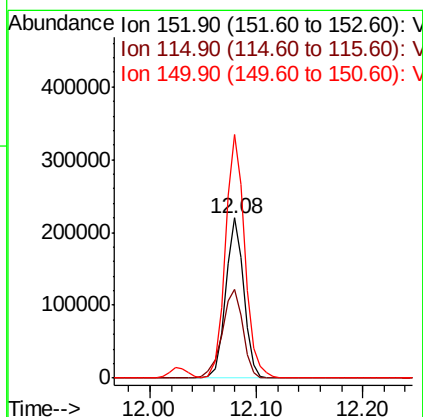
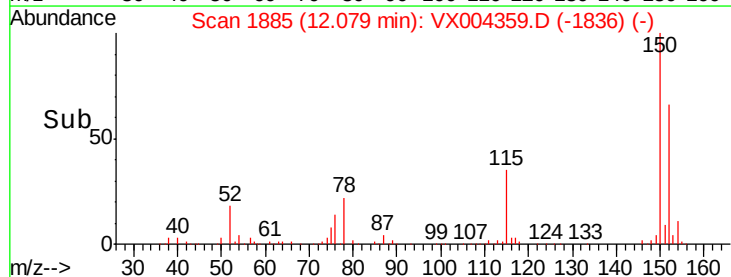
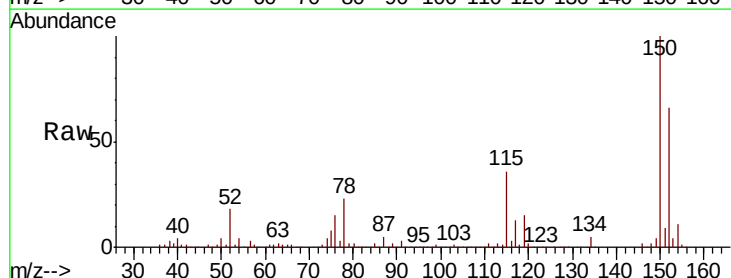
Tgt Ion:152 Resp: 260588

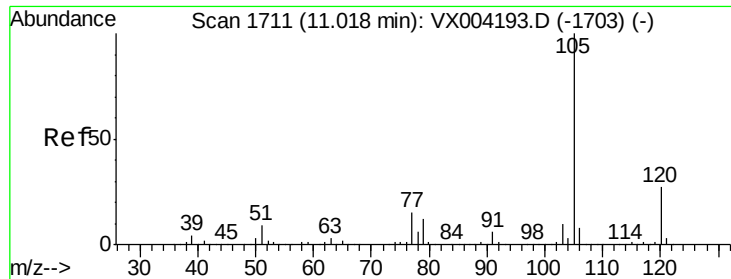
Ion Ratio Lower Upper

152 100

115 63.7 39.0 117.0

150 163.0 0.0 351.0





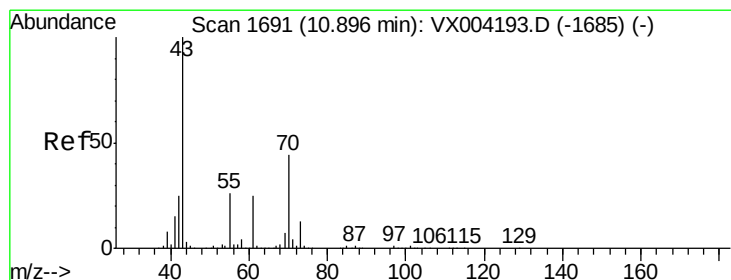
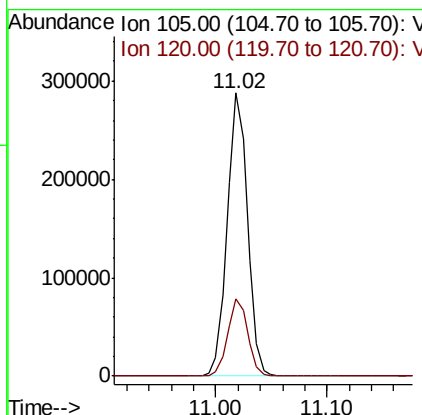
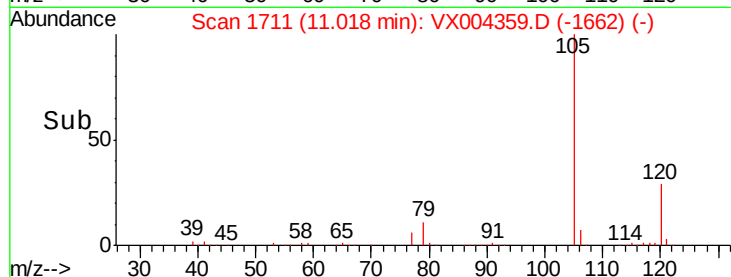
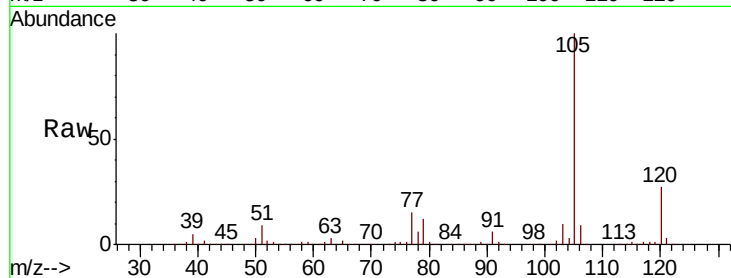
#73
Isopropylbenzene
Concen: 21.20 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion: 105 Resp: 362833
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4

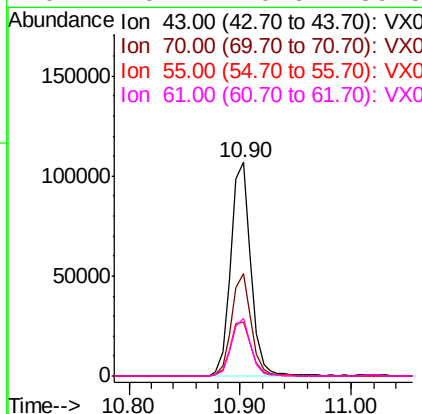
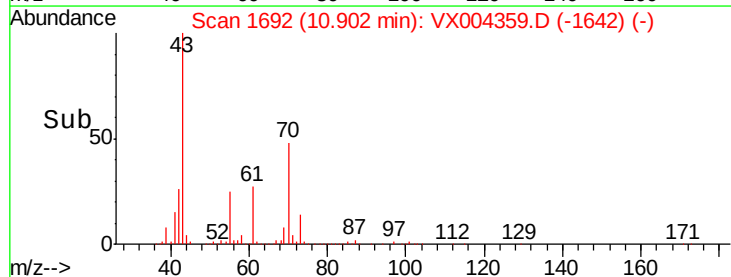
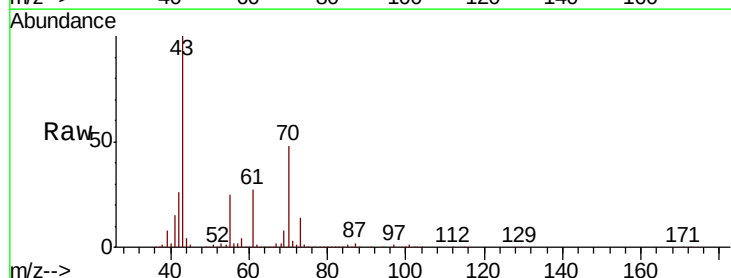
Manual Integrations
APPROVED

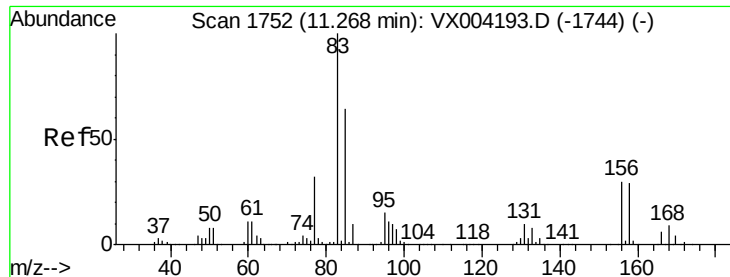
MMDadoda
9/5/2018 4:52:52 PM



#74
N-ethyl acetate
Concen: 20.15 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion: 43 Resp: 132781
Ion Ratio Lower Upper
43 100
70 47.2 37.4 56.0
55 27.1 21.8 32.8
61 26.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.71 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

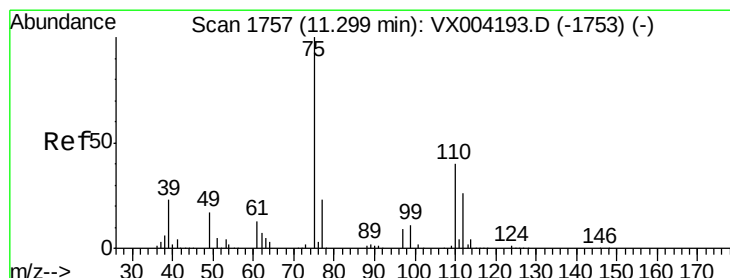
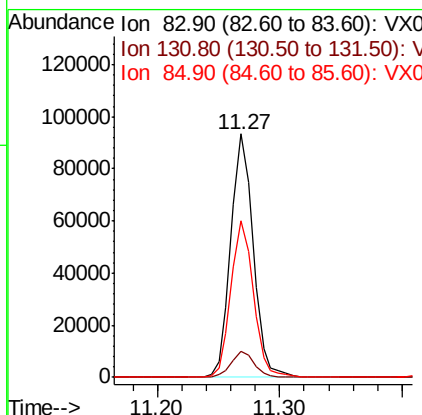
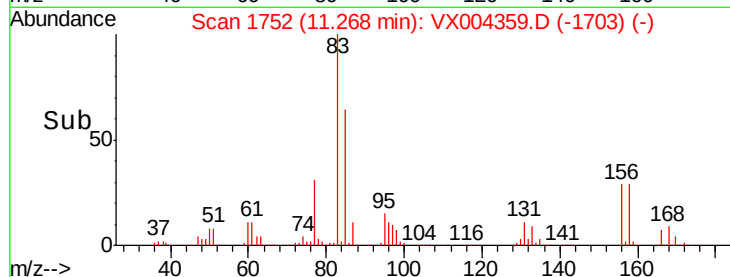
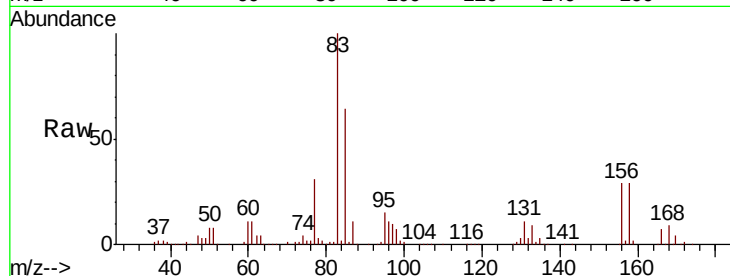
ClientSampleId :

VX0904MBSD01

Tot Ion:	83	Resp:	118044
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.2	15.6
85	64.8	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/5/2018 4:52:52 PM



#76

1,2,3-Trichloropropane

Concen: 20.47 ug/l m

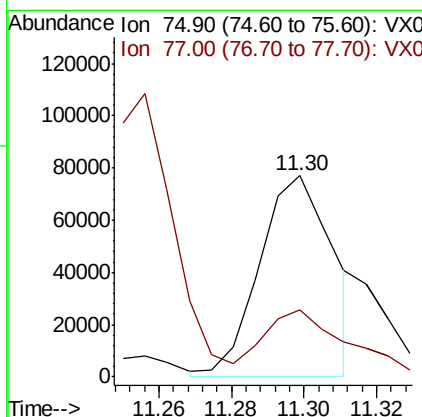
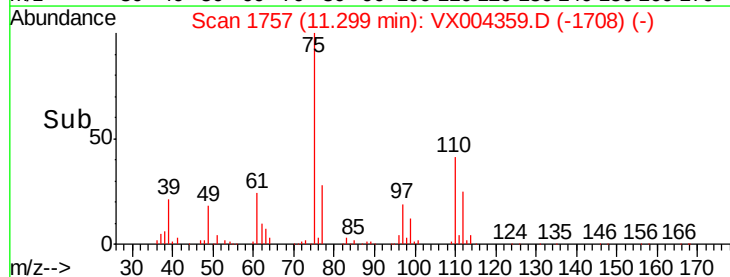
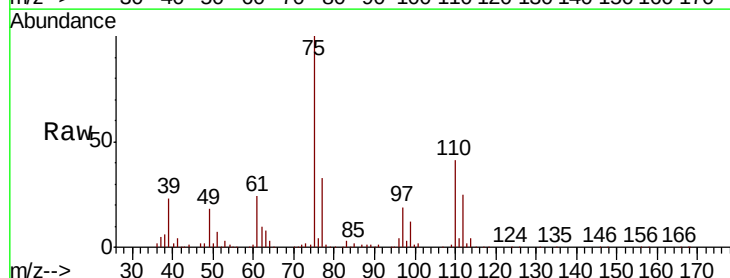
RT: 11.30 min Scan# 1757

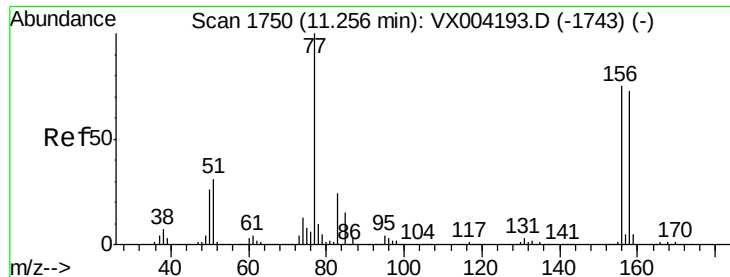
Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Tgt Ion:	75	Resp:	108504
Ion	Ratio	Lower	Upper
75	100		
77	38.4	20.2	60.6





#77

Bromobenzene

Concen: 20.23 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion:156 Resp: 97129

Ion Ratio Lower Upper

156 100

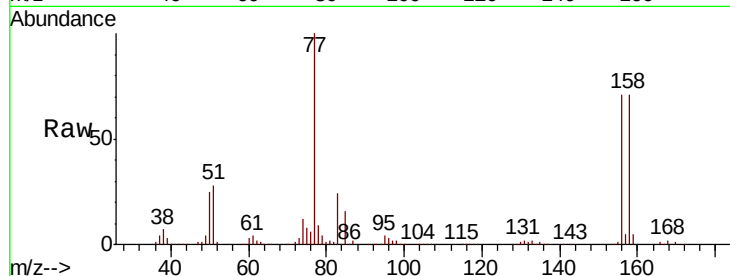
77 144.7 71.5 214.3

158 98.1 48.9 146.8

Manual Integrations
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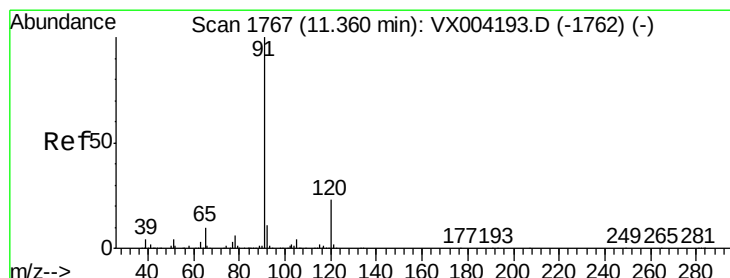
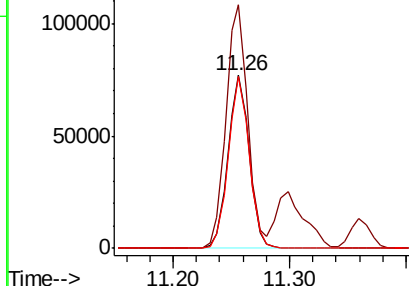
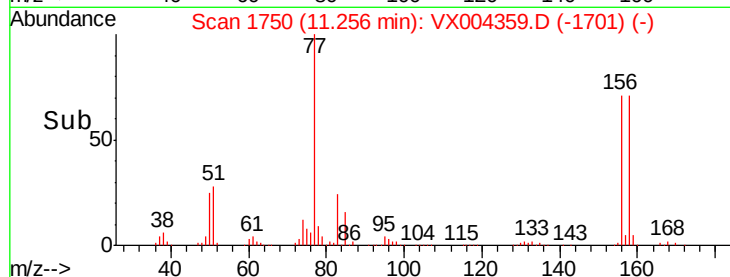


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.42 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004359.D

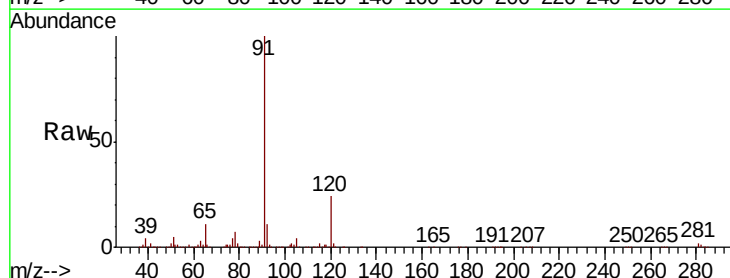
Acq: 04 Sep 2018 20:40

Tgt Ion: 91 Resp: 402026

Ion Ratio Lower Upper

91 100

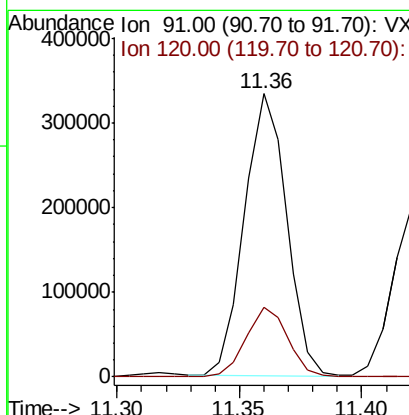
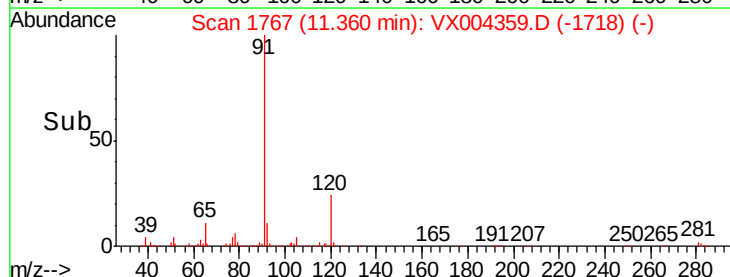
120 24.3 11.9 35.9

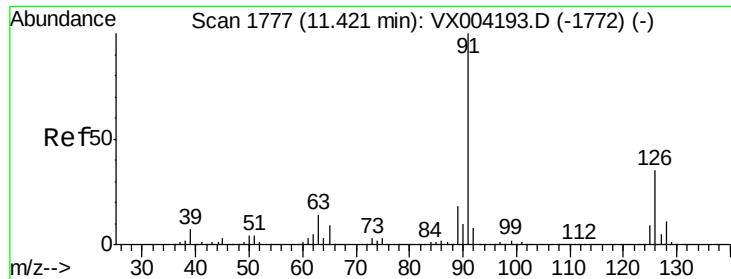


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





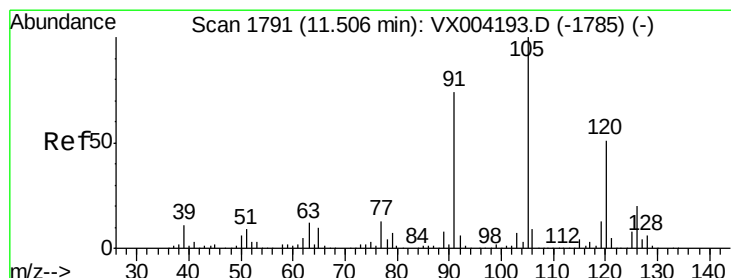
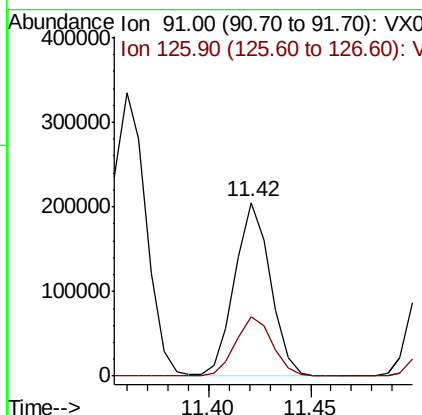
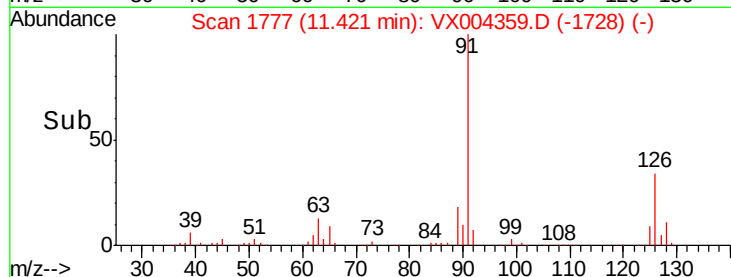
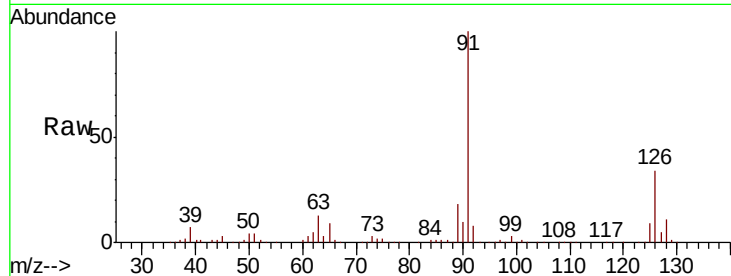
#79
 2-Chlorotoluene
 Concen: 20.40 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion: 91 Resp: 247218
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.7

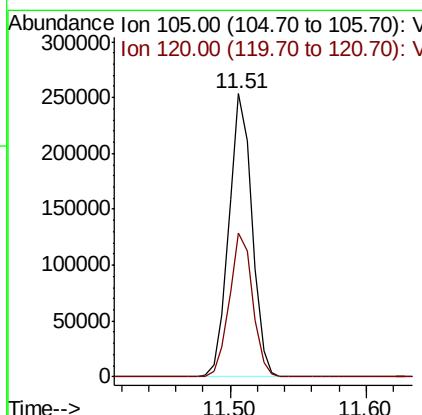
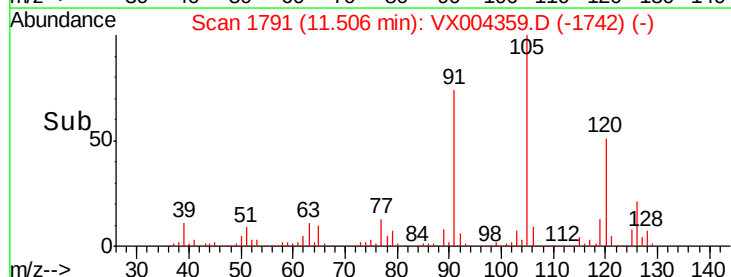
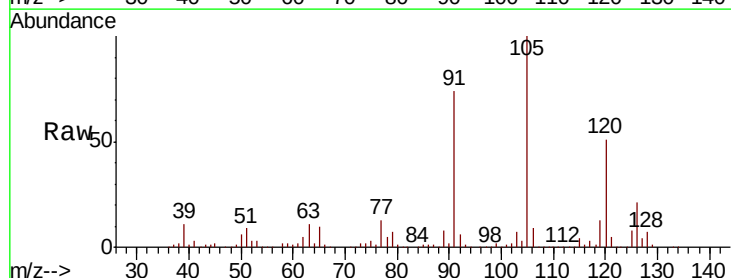
Manual Integrations
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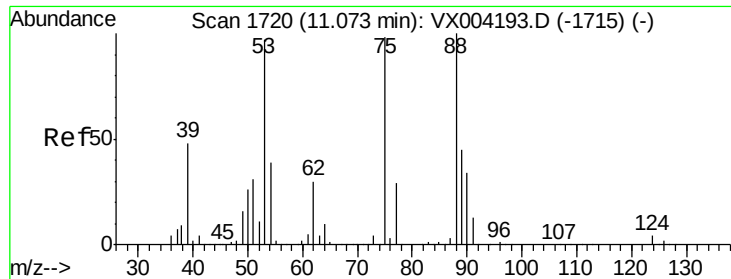
MMDadoda
 9/5/2018 4:52:52 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.08 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion: 105 Resp: 298844
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.6 76.8





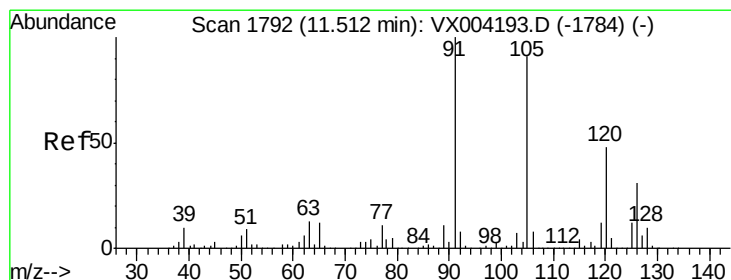
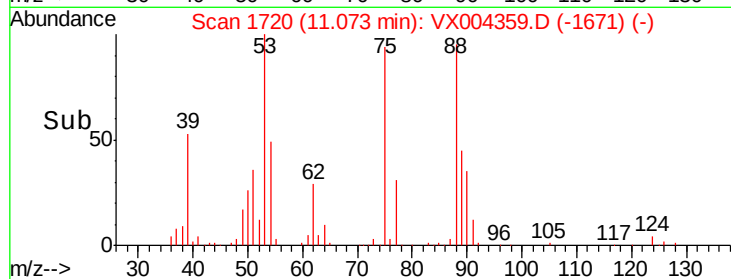
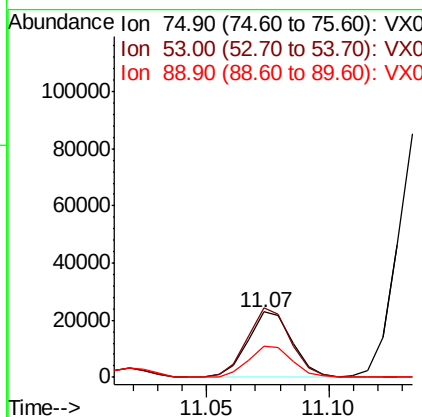
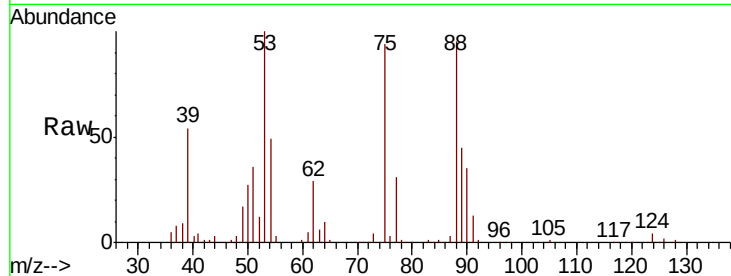
#81
trans-1,4-Dichloro-2-butene
Concen: 17.63 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	80.1	120.1
89	47.1	37.2	55.8

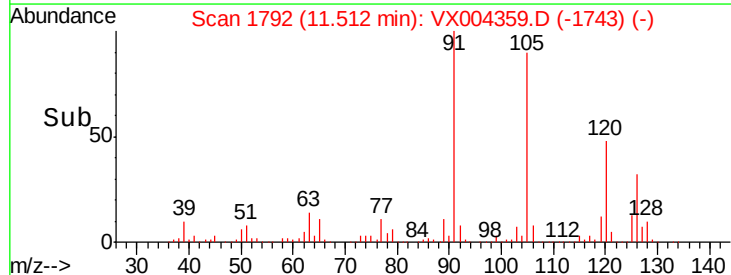
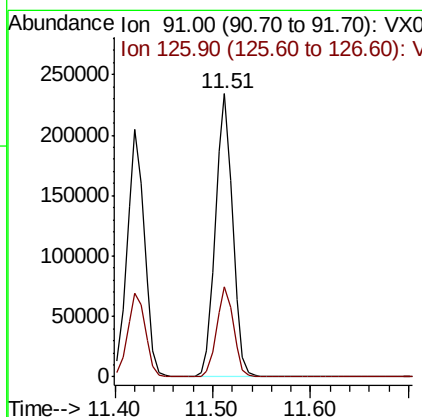
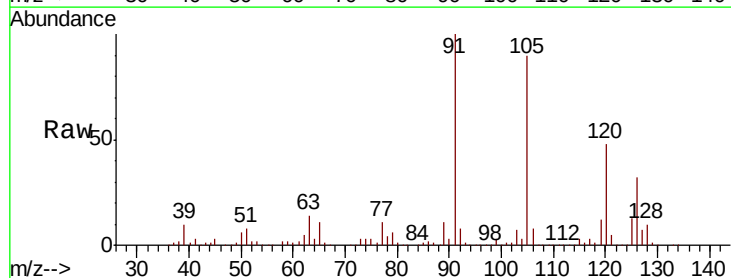
Manual Integrations
APPROVED

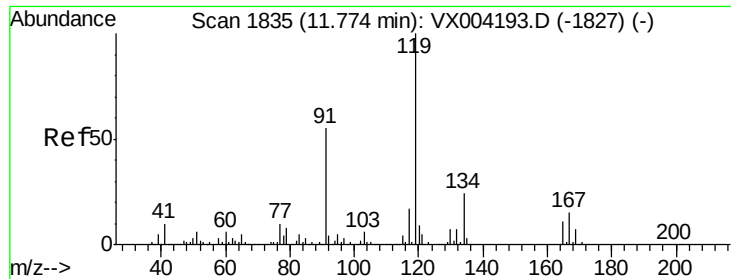
MMDadoda
9/5/2018 4:52:52 PM



#82
4-Chlorotoluene
Concen: 20.05 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.5	46.5





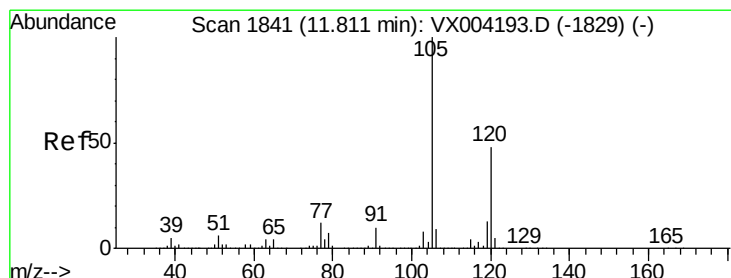
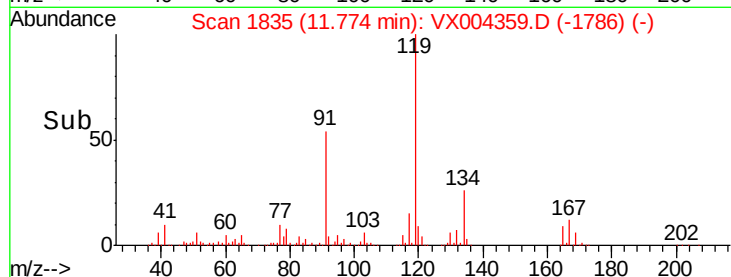
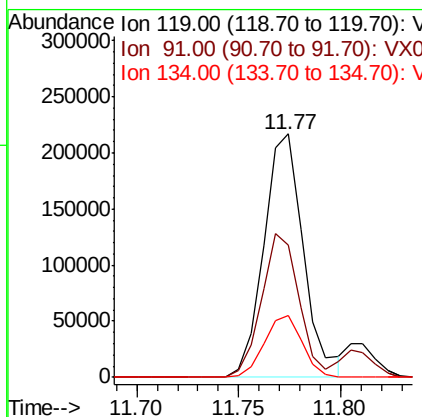
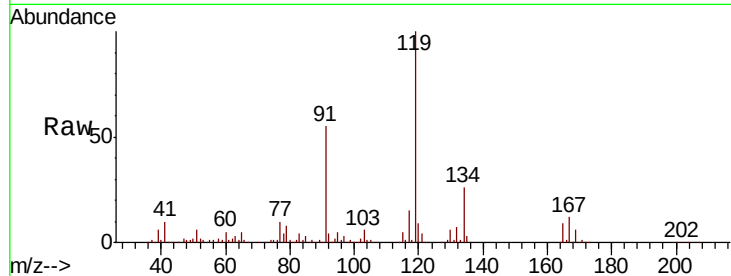
#83
 tert-Butylbenzene
 Concen: 20.62 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294095		
91	55.6	27.0	81.0	
134	24.5	11.7	35.1	

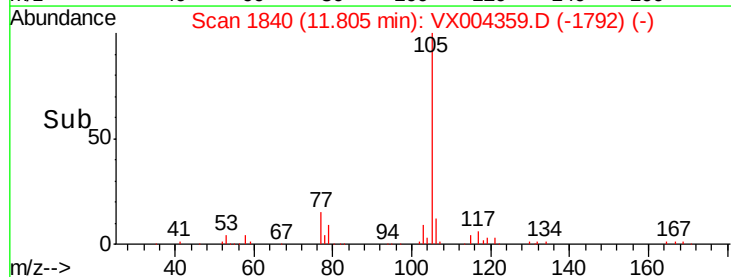
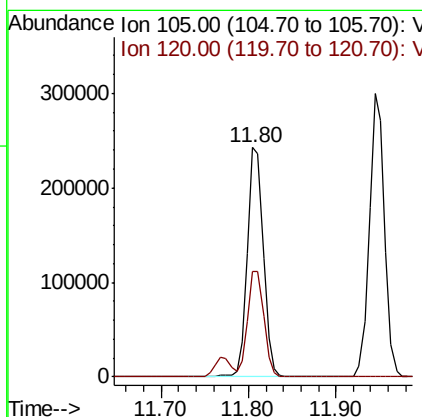
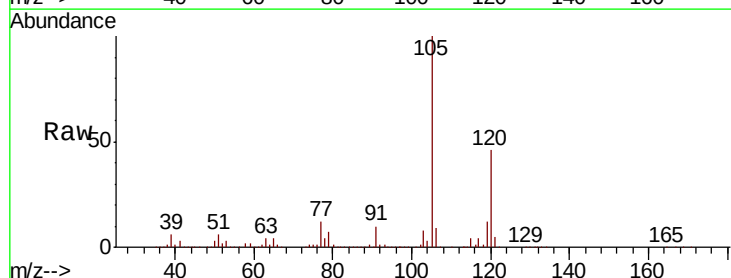
Manual Integrations
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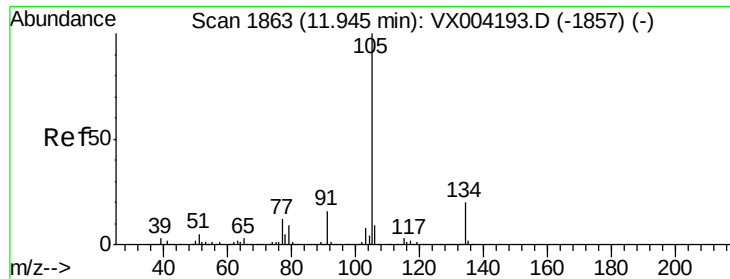
MMDadoda
 9/5/2018 4:52:52 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.08 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	306711		
120	46.4	23.2	69.6	





#85

sec-Butylbenzene

Concen: 21.54 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBSD01

Tot Ion:105 Resp: 364739

Ion Ratio Lower Upper

105 100

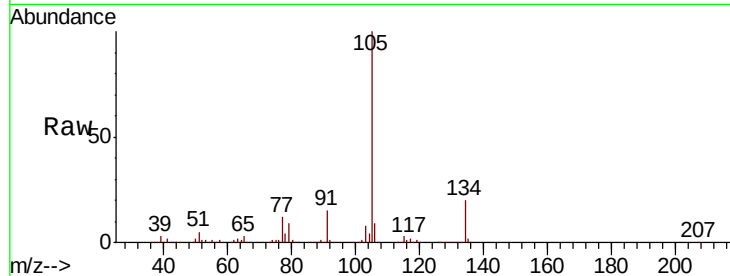
134 20.8 10.5 31.5

Manual Integrations

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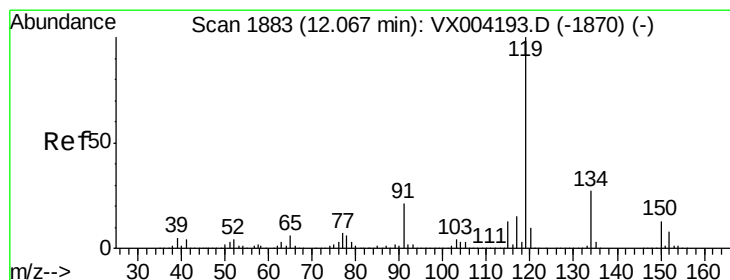
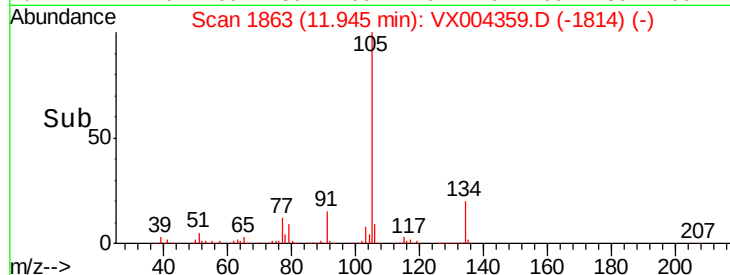
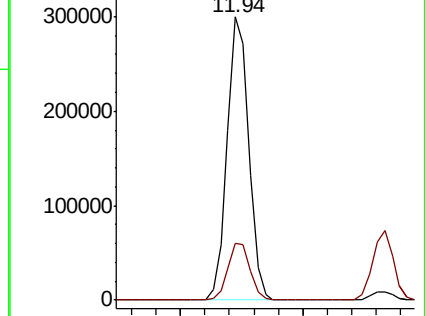
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.48 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004359.D

Acq: 04 Sep 2018 20:40

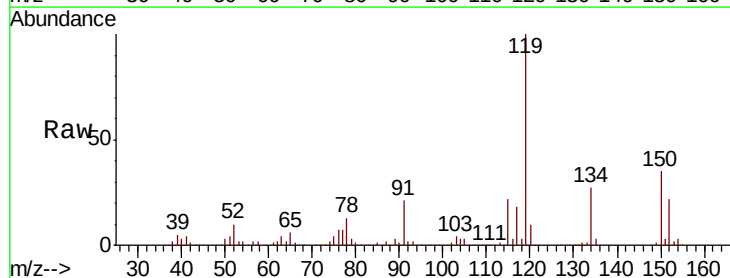
Tgt Ion:119 Resp: 325875

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

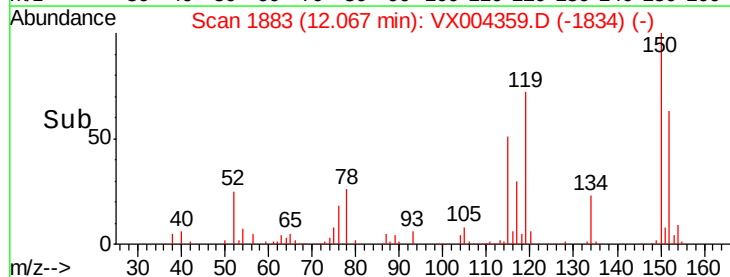
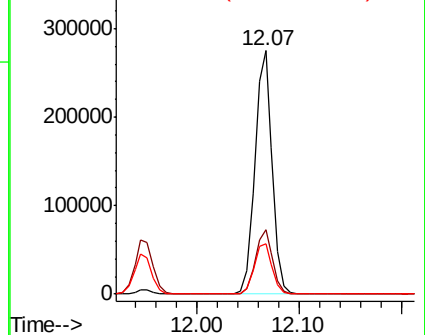
91 21.7 10.9 32.7

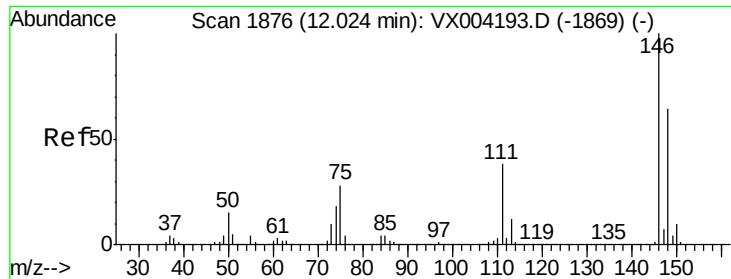


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





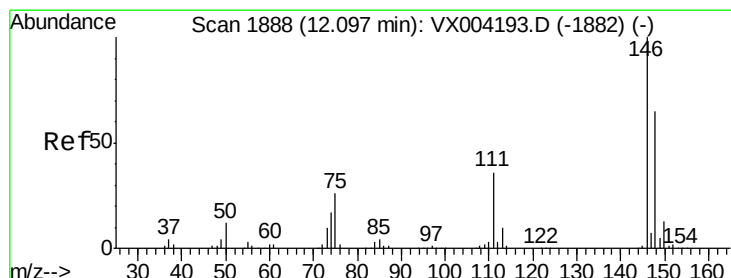
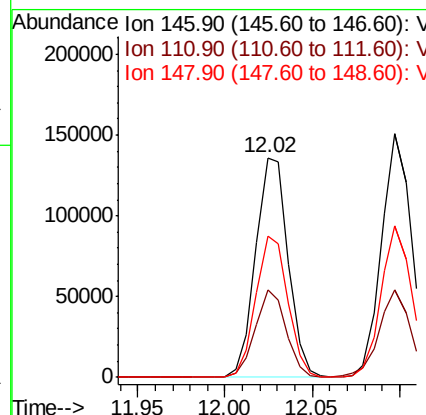
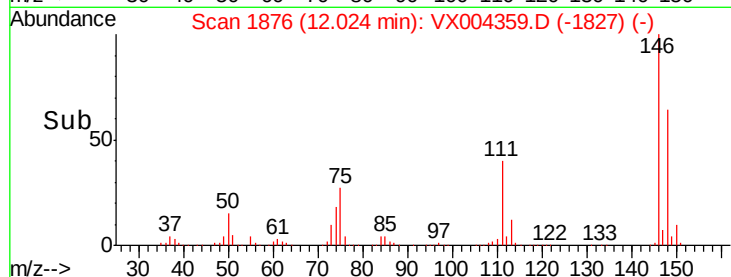
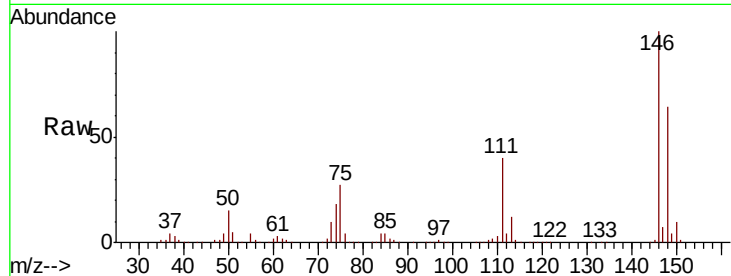
#87
 1,3-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	63.3	32.1	96.5

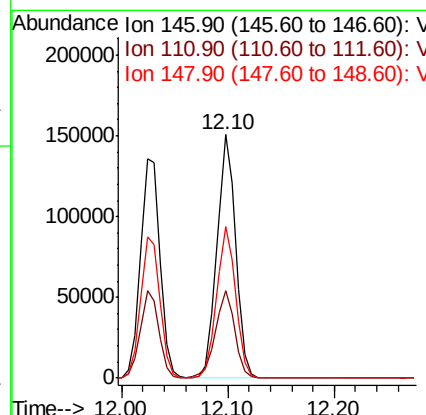
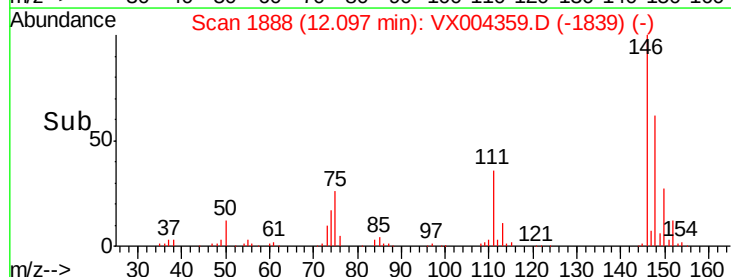
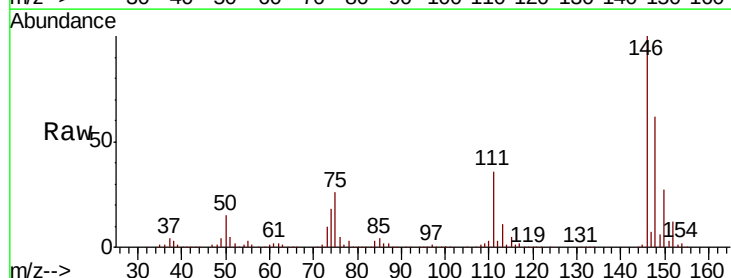
Manual Integrations
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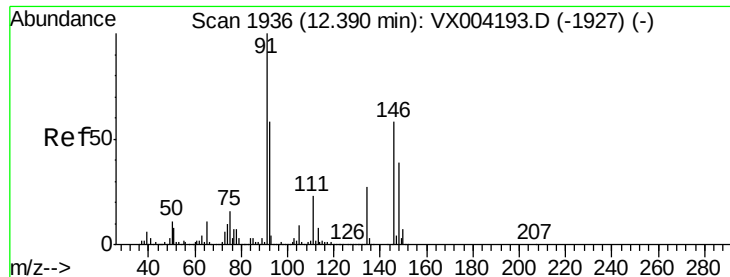
MMDadoda
 9/5/2018 4:52:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	63.1	32.0	96.0





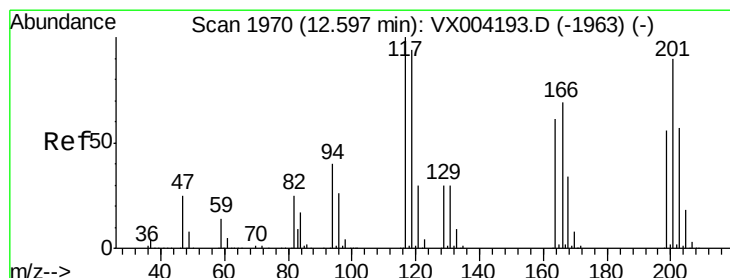
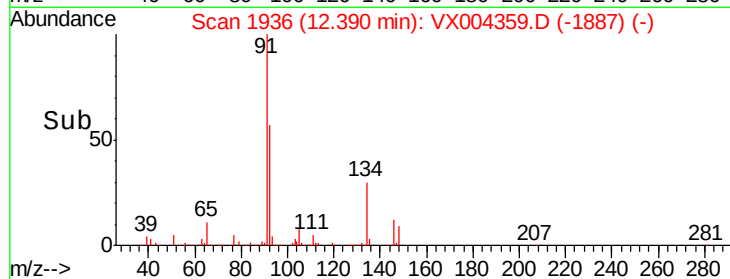
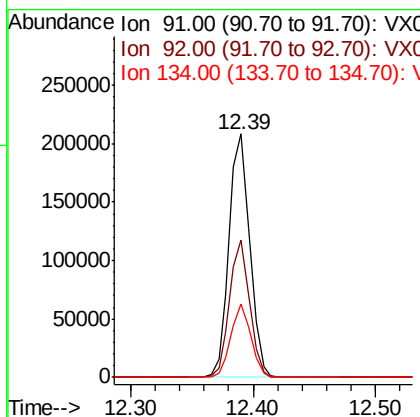
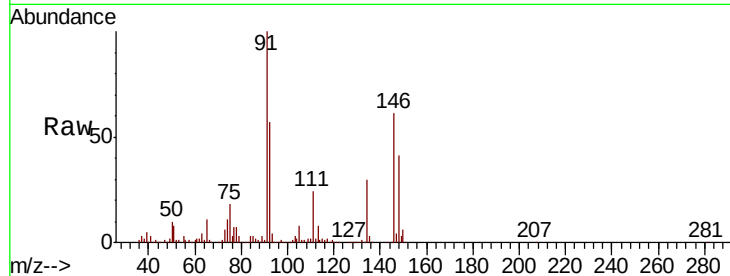
#89
n-Butylbenzene
Concen: 19.72 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.9
134	28.8	13.6	40.7

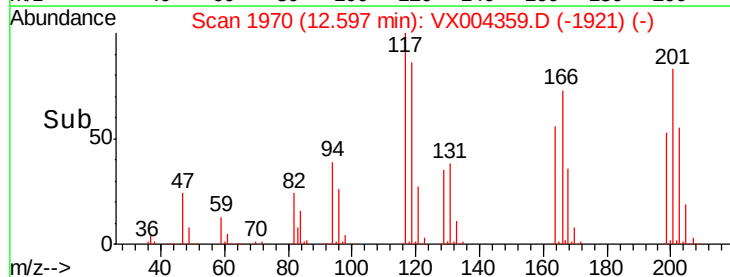
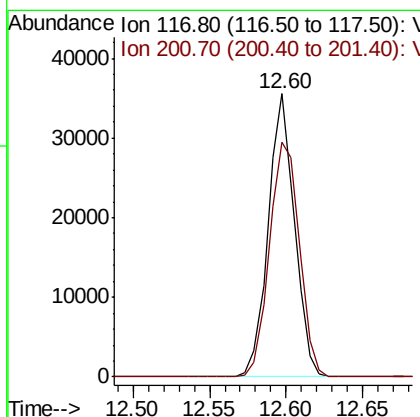
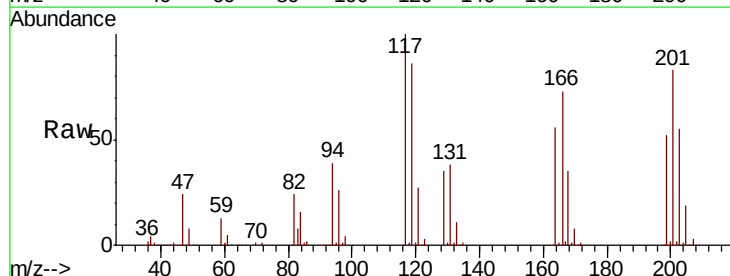
Manual Integrations
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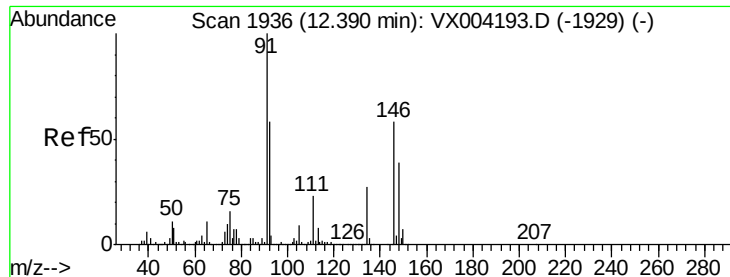
MMDadoda
9/5/2018 4:52:52 PM



#90
Hexachloroethane
Concen: 20.13 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.0	46.9	140.6





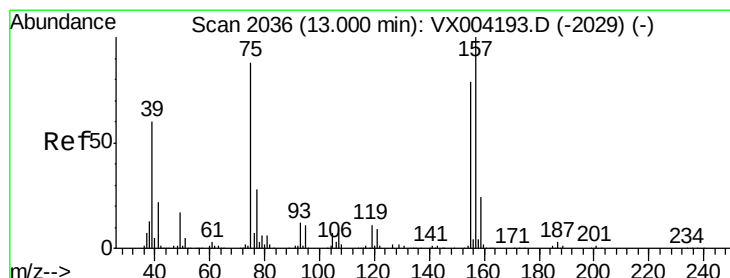
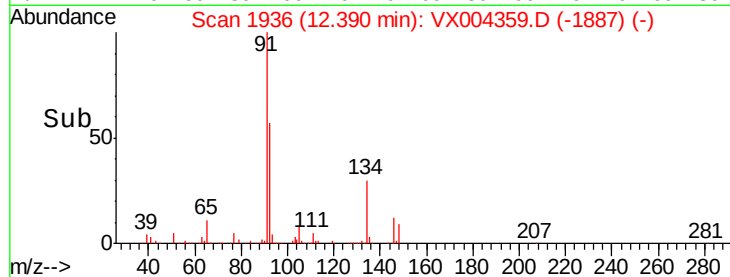
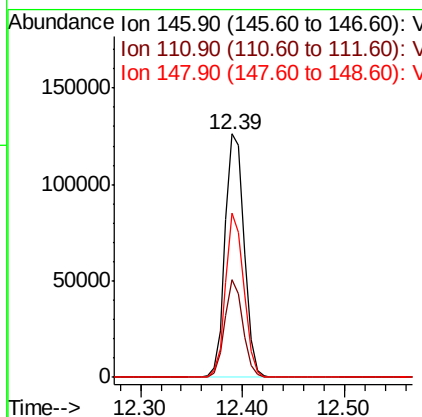
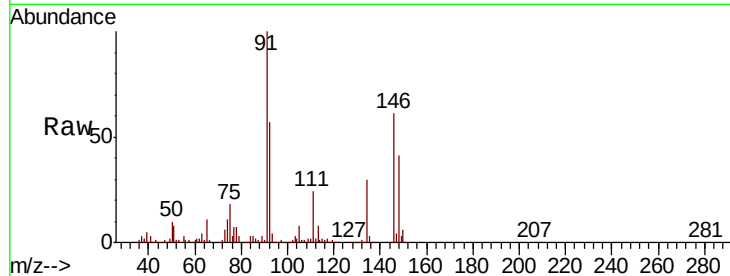
#91
 1,2-Dichlorobenzene
 Concen: 19.82 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.2	32.8	98.3

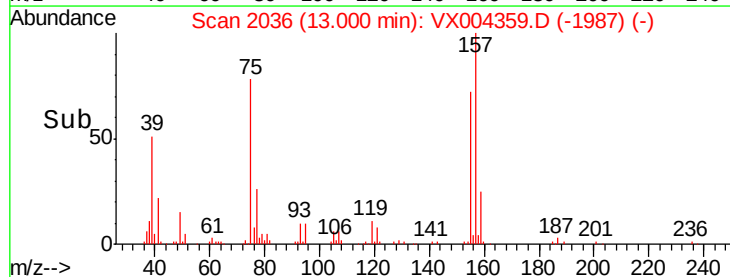
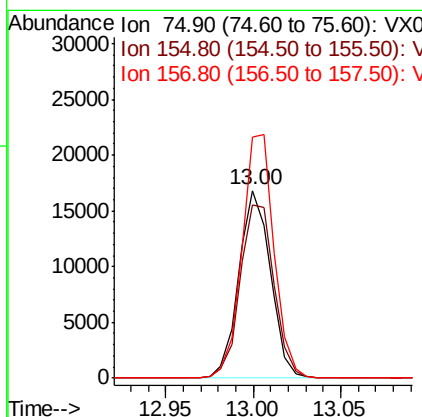
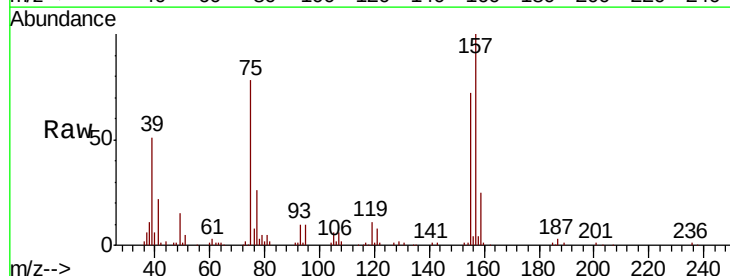
Manual Integrations
 APPROVED

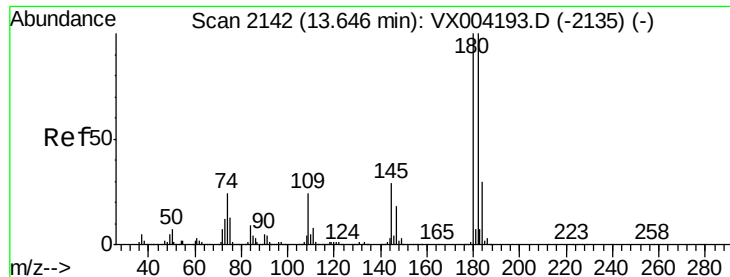
MMDadoda
 9/5/2018 4:52:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.05 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	48.0	144.2
157	131.0	61.4	184.1





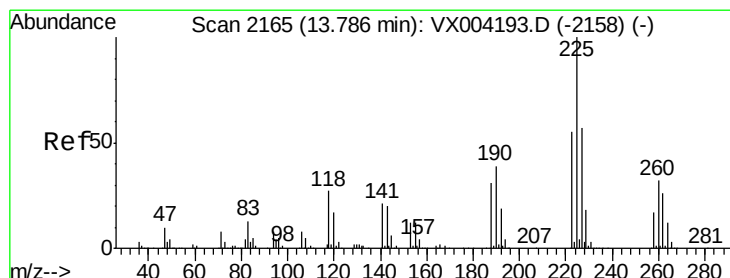
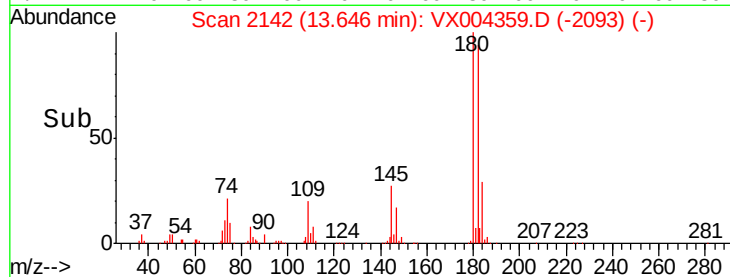
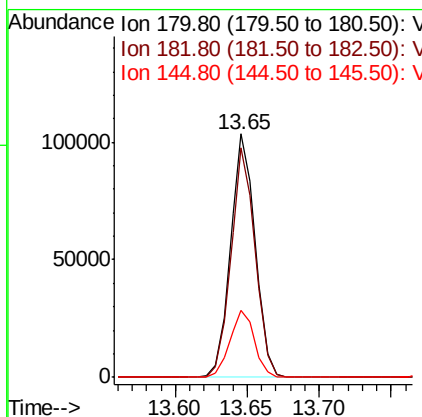
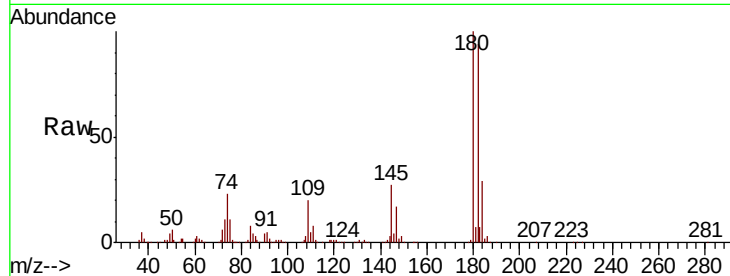
#93
 1,2,4-Trichlorobenzene
 Concen: 20.66 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBSD01

Tot Ion:	180	Resp:	124166
Ion Ratio	Lower	Upper	
180	100		
182	92.9	48.4	145.0
145	27.2	14.3	42.9

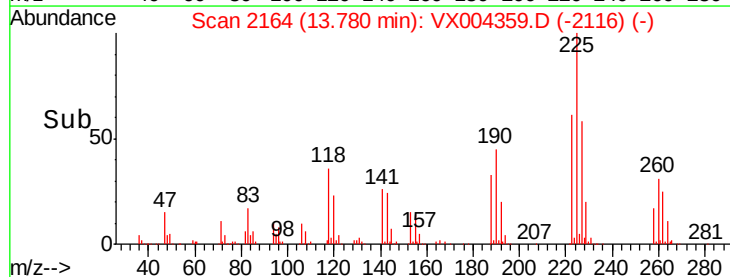
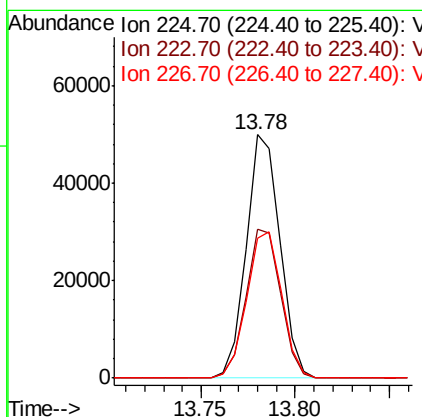
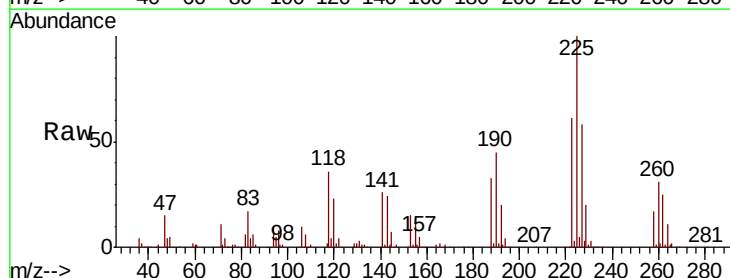
Manual Integrations
 APPROVED

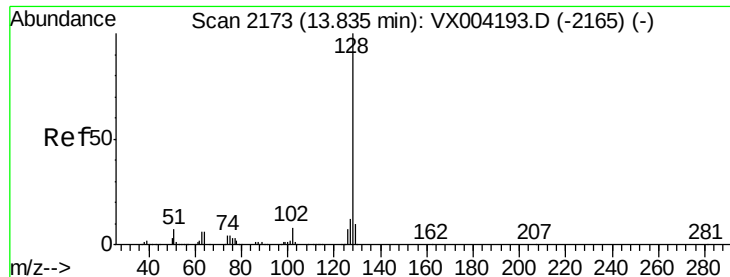
MMDadoda
 9/5/2018 4:52:52 PM



#94
 Hexachlorobutadiene
 Concen: 22.05 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004359.D
 Acq: 04 Sep 2018 20:40

Tgt Ion:	225	Resp:	61884
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.1	90.5
227	62.2	30.8	92.4





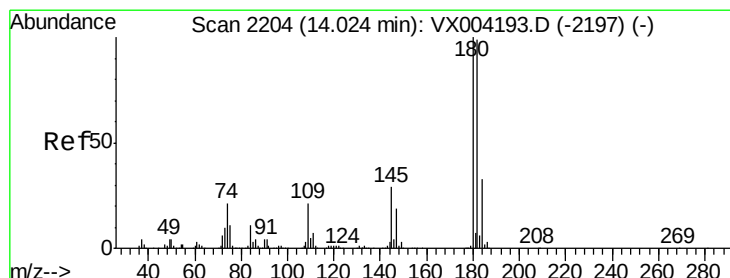
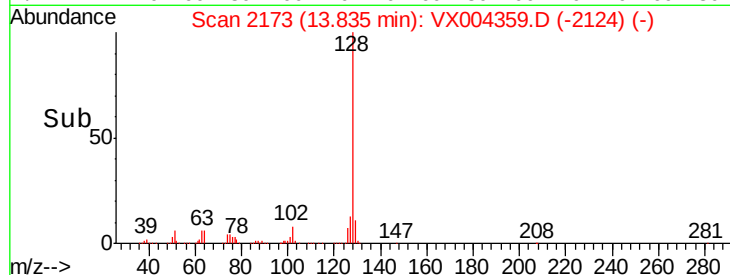
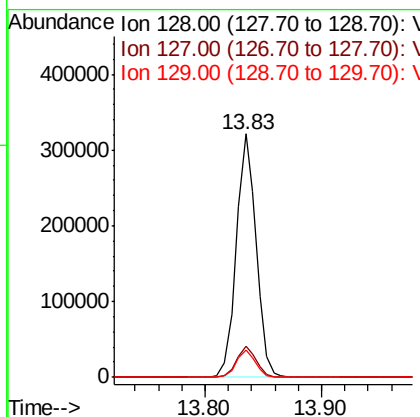
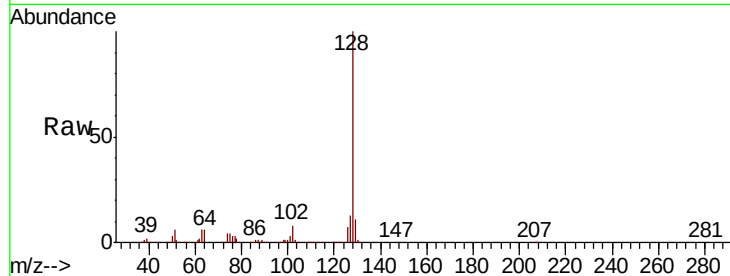
#95
Naphthalene
Concen: 22.45 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	381604		
127	12.7		10.2	15.2
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/5/2018 4:52:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.88 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX004359.D
Acq: 04 Sep 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	132893		
182	97.0		48.5	145.6
145	29.8		14.9	44.9

