

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071818\
 Data File : VX003445.D
 Acq On : 18 Jul 2018 14:15
 Operator : JC/MD
 Sample : J3965-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 1:04:15 PM

Quant Time: Jul 19 01:58:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	588850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	937523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	838513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	497009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	375388	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	5.51	113	340215	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	8.72	98	1307369	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.14	95	462911	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	168163	25.30	ug/l	96
3) Chloromethane	1.32	50	174046	24.20	ug/l	98
4) Vinyl Chloride	1.40	62	194059	24.76	ug/l	99
5) Bromomethane	1.64	94	78825	26.95	ug/l	99
6) Chloroethane	1.71	64	116569	25.74	ug/l	99
7) Trichlorofluoromethane	1.92	101	263203	25.31	ug/l	99
8) Diethyl Ether	2.19	74	114303	25.69	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	156134	23.77	ug/l	96
10) Methyl Iodide	2.51	142	189670	26.99	ug/l	93
11) Tert butyl alcohol	3.09	59	223696	128.99	ug/l	99
12) 1,1-Dichloroethene	2.37	96	154911	24.96	ug/l	89
13) Acrolein	2.29	56	71599	86.07	ug/l	98
14) Allyl chloride	2.73	41	264444	23.49	ug/l	86
15) Acrylonitrile	3.15	53	496809	125.04	ug/l	97
16) Acetone	2.45	43	427045	133.14	ug/l #	88
17) Carbon Disulfide	2.57	76	403878	23.71	ug/l	98
18) Methyl Acetate	2.78	43	216996	20.77	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	530239	25.73	ug/l	100
20) Methylene Chloride	2.85	84	176810	30.74	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	162704	24.27	ug/l	94
22) Diisopropyl ether	3.88	45	517256	23.68	ug/l	92
23) Vinyl Acetate	3.83	43	1408150	78.18	ug/l	95
24) 1,1-Dichloroethane	3.70	63	317841	25.65	ug/l	99
25) 2-Butanone	4.71	43	638244	127.15	ug/l #	90
26) 2,2-Dichloropropane	4.59	77	88153	10.14	ug/l	84
27) cis-1,2-Dichloroethene	4.60	96	182961	25.37	ug/l	95
28) Bromochloromethane	5.02	49	139756	25.98	ug/l	88
29) Tetrahydrofuran	5.17	42	412314	129.52	ug/l	92
30) Chloroform	5.22	83	302500	26.50	ug/l	93
31) Cyclohexane	5.57	56	244654	25.57	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	254808	26.24	ug/l	98
36) 1,1-Dichloropropene	5.80	75	213548	22.49	ug/l	98
37) Ethyl Acetate	4.87	43	167756	15.68	ug/l #	94
38) Carbon Tetrachloride	5.79	117	222192	23.00	ug/l	99

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	231359	21.29	ug/l	95
40) Benzene	6.15	78	679856	23.54	ug/l	99
41) Methacrylonitrile	5.06	41	137928	23.44	ug/l	91
42) 1,2-Dichloroethane	6.21	62	230890	23.31	ug/l	95
43) Isopropyl Acetate	6.47	43	321570	19.92	ug/l	93
44) Trichloroethene	7.21	130	197390	23.59	ug/l	97
45) 1,2-Dichloropropane	7.52	63	177600	23.64	ug/l	100
46) Dibromomethane	7.67	93	113751	22.74	ug/l	97
47) Bromodichloromethane	7.90	83	212838	23.23	ug/l	98
48) Methyl methacrylate	7.78	41	193490	23.49	ug/l	87
49) 1,4-Dioxane	7.76	88	85898	455.43	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	1259290	118.48	ug/l	91
52) Toluene	8.79	92	432405	23.91	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	233235	21.56	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	212370	21.51	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	179845	23.80	ug/l	98
56) Ethyl methacrylate	9.18	69	260034	24.31	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	292434	24.09	ug/l	100
59) 2-Hexanone	9.50	43	966215	118.32	ug/l	89
60) Dibromochloromethane	9.59	129	184315	24.55	ug/l	100
61) 1,2-Dibromoethane	9.68	107	186145	23.90	ug/l	99
64) Tetrachloroethene	9.34	164	208760	23.80	ug/l	97
65) Chlorobenzene	10.14	112	488810	24.68	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	178154	25.30	ug/l	99
67) Ethyl Benzene	10.26	91	808231	24.96	ug/l	100
68) m/p-Xylenes	10.36	106	634645	50.68	ug/l	96
69) o-Xylene	10.70	106	303445	25.23	ug/l	96
70) Stvrene	10.71	104	498549	25.18	ug/l	97
71) Bromoform	10.86	173	140958	24.89	ug/l	99
73) Isopropylbenzene	11.02	105	800720	25.16	ug/l	100
74) N-amyl acetate	6.47	43	321570	21.01	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	256702	24.44	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	226517m	25.18	ug/l	
77) Bromobenzene	11.26	156	224106	24.79	ug/l	99
78) n-propylbenzene	11.36	91	902025	25.37	ug/l	99
79) 2-Chlorotoluene	11.43	91	548252	25.15	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	676398	26.02	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	54416	19.65	ug/l	93
82) 4-Chlorotoluene	11.51	91	647320	25.45	ug/l	98
83) tert-Butylbenzene	11.77	119	670720	26.40	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	698565	26.16	ug/l	97
85) sec-Butylbenzene	11.95	105	781406	25.35	ug/l	100
86) p-Isopropyltoluene	12.07	119	700362	25.53	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	407057	24.61	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	411582	24.50	ug/l	99
89) n-Butylbenzene	12.39	91	571694	24.46	ug/l	98
90) Hexachloroethane	12.60	117	108030	25.99	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	430779	25.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	56092	25.67	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	287243	25.27	ug/l	100

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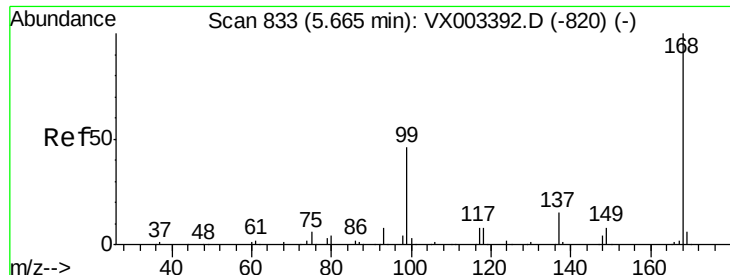
Manual Integrations
APPROVED

MMDadoda
7/19/2018 1:04:15 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	122066	22.30	ug/l	99
95) Naphthalene	13.83	128	872369	26.77	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	289652	24.77	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion:168 Resp: 588850

Ion Ratio Lower Upper

168 100

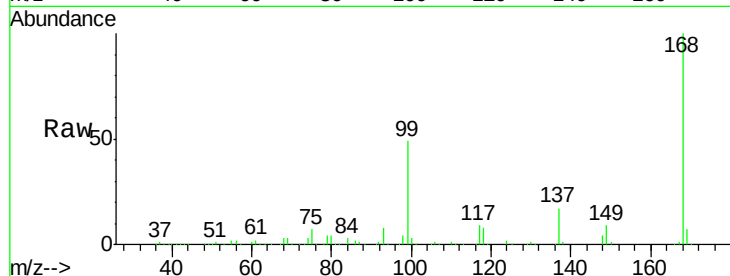
99 48.9 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

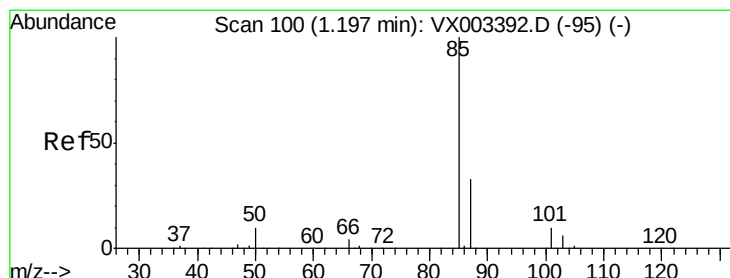
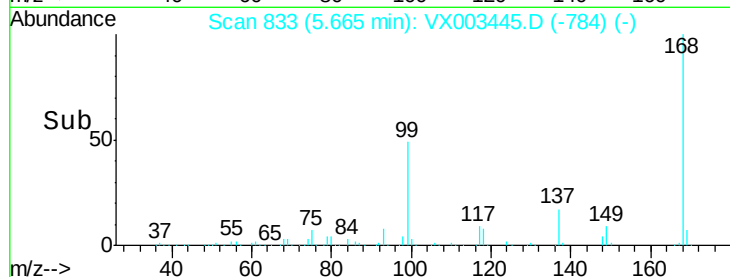
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 25.30 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003445.D

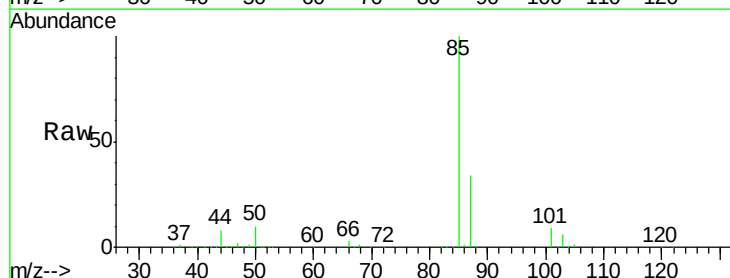
Acq: 18 Jul 2018 14:15

Tgt Ion: 85 Resp: 168163

Ion Ratio Lower Upper

85 100

87 34.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

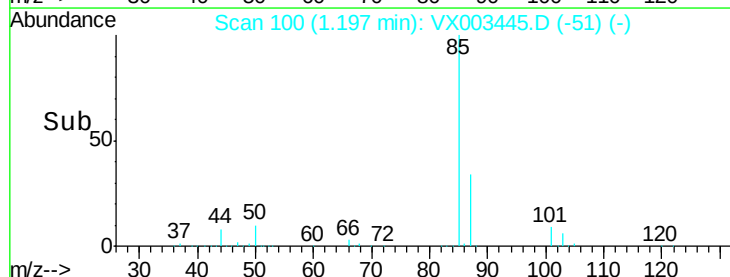
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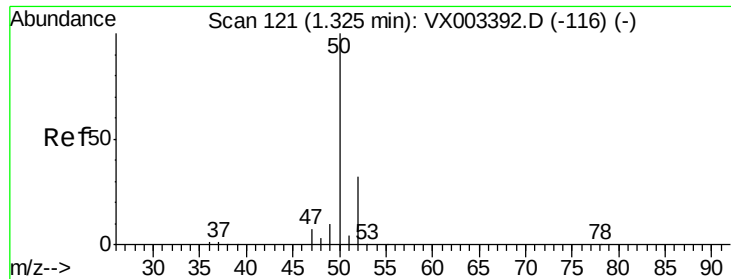
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 24.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion: 50 Resp: 174046

Ion Ratio Lower Upper

50 100

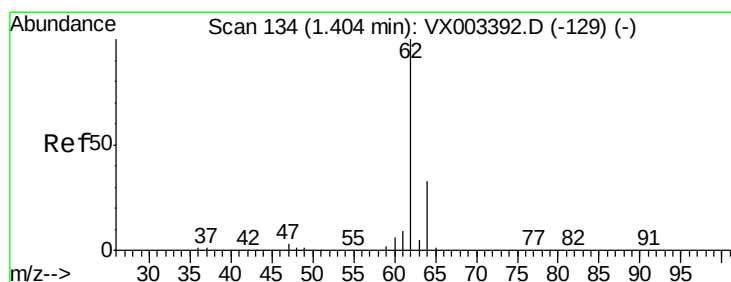
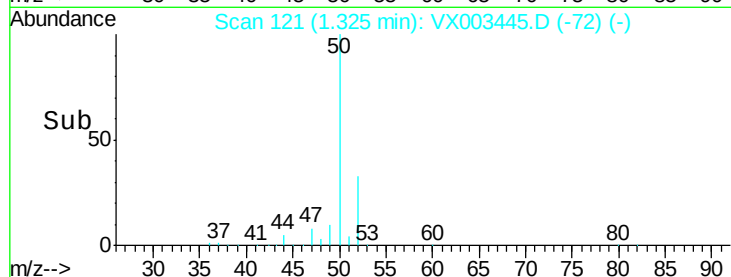
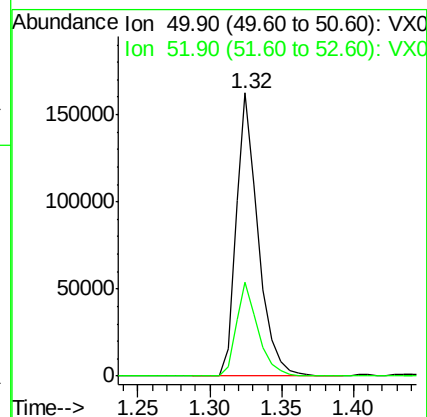
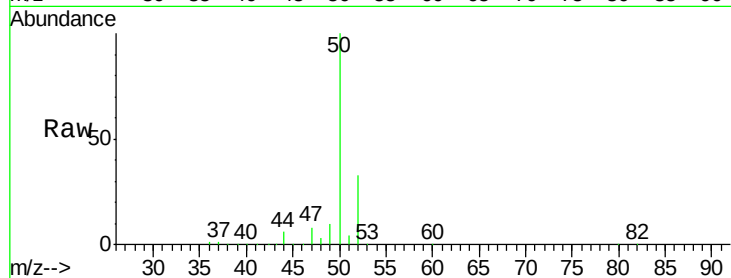
52 33.2 25.7 38.5

Manual Integrations

APPROVED

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7/19/2018 1:04:15 PM



#4

Vinyl Chloride

Concen: 24.76 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003445.D

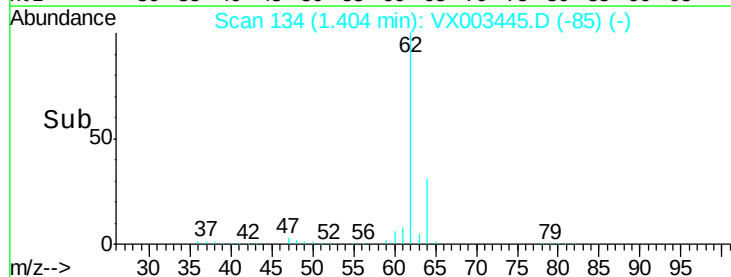
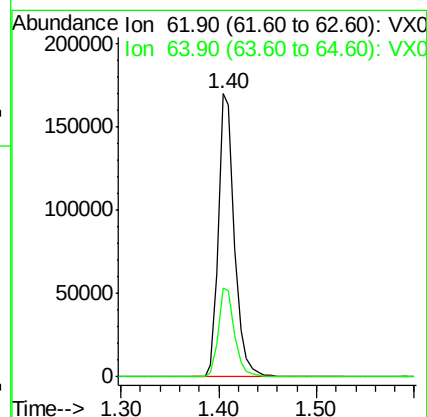
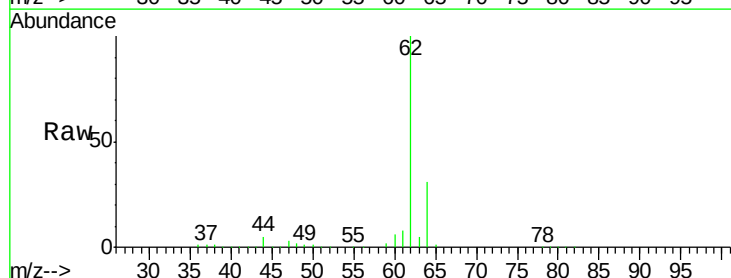
Acq: 18 Jul 2018 14:15

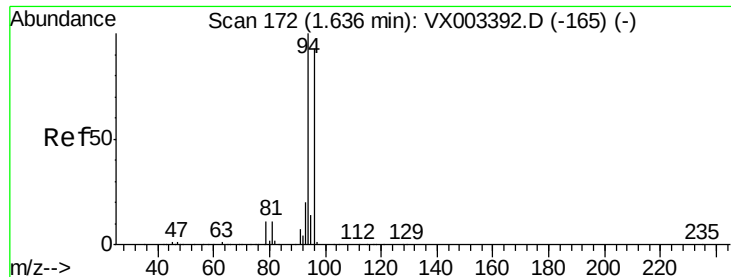
Tgt Ion: 62 Resp: 194059

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 26.95 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion: 94 Resp: 78825

Ion Ratio Lower Upper

94 100

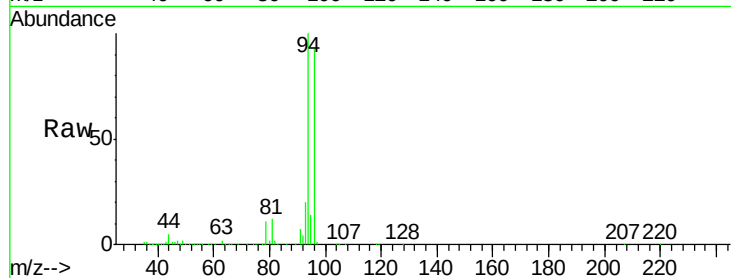
96 92.8 74.9 112.3

Manual Integrations

APPROVED

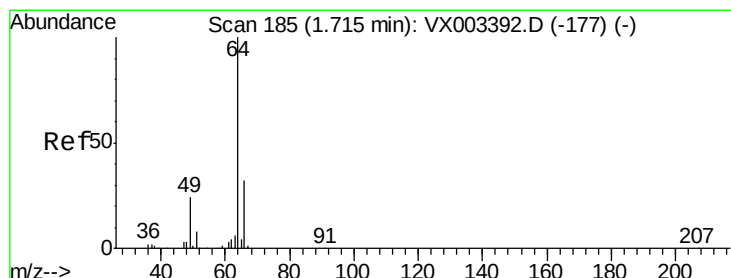
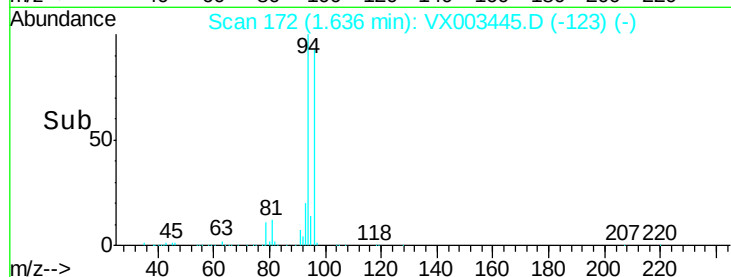
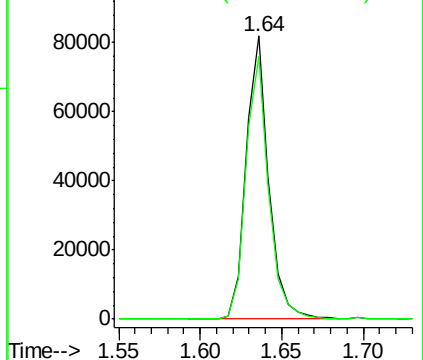
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 25.74 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003445.D

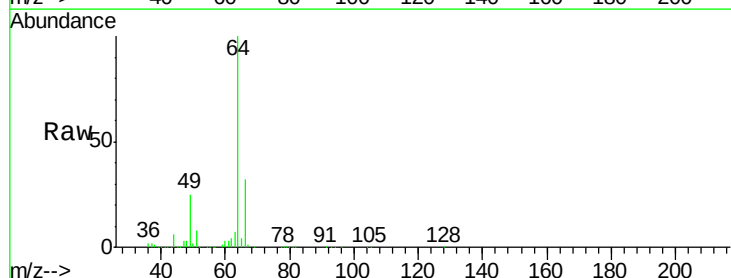
Acq: 18 Jul 2018 14:15

Tgt Ion: 64 Resp: 116569

Ion Ratio Lower Upper

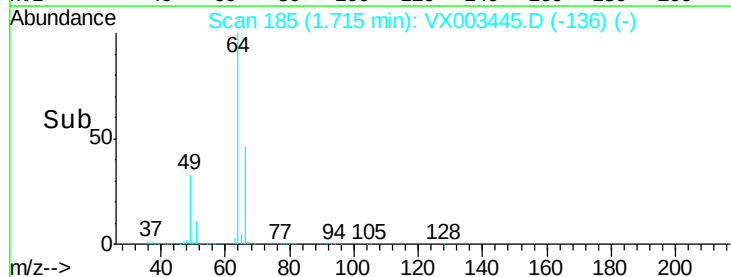
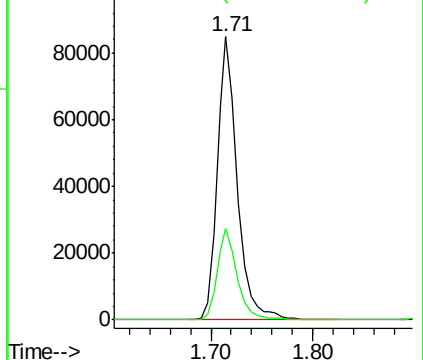
64 100

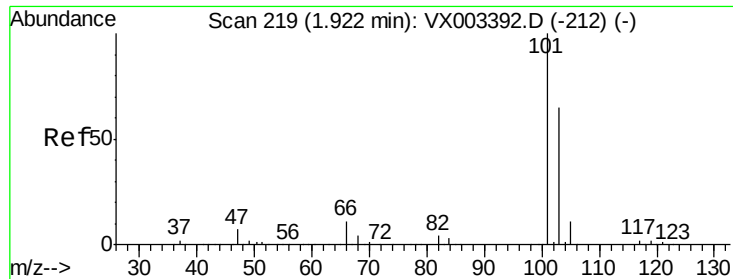
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

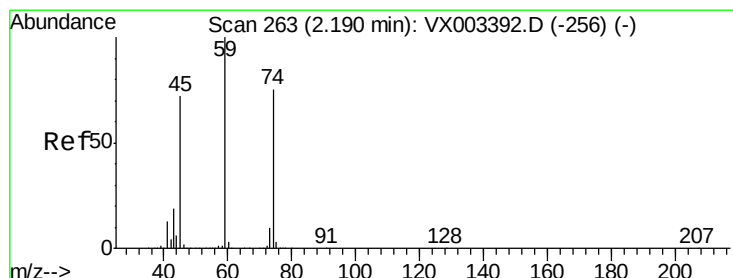
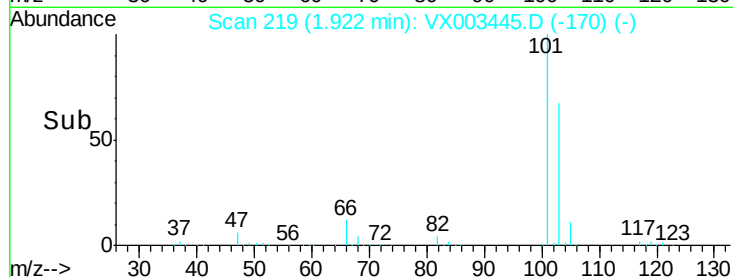
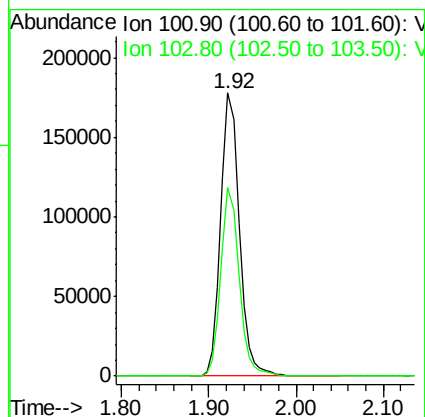
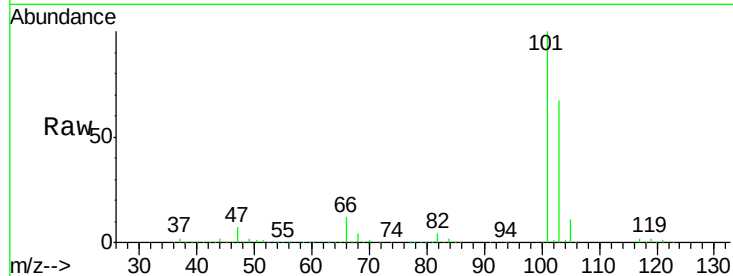
Trichlorofluoromethane
Concen: 25.31 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion: 101 Resp: 263203
Ion Ratio Lower Upper
101 100
103 66.5 52.8 79.2

Manual Integrations
APPROVED

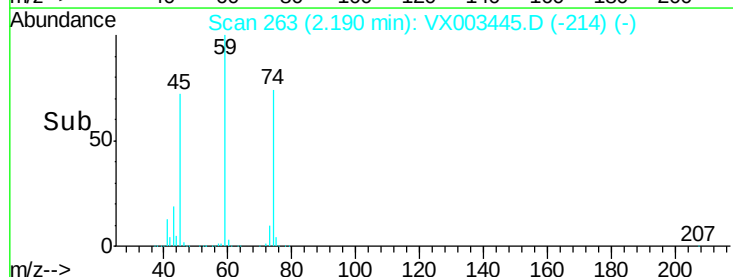
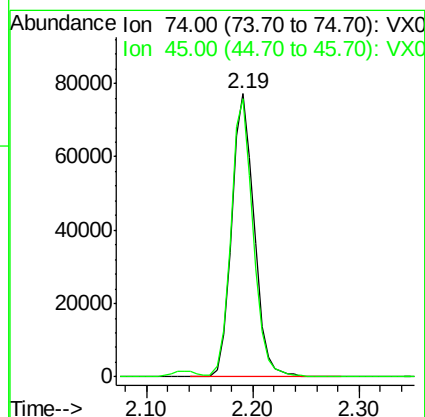
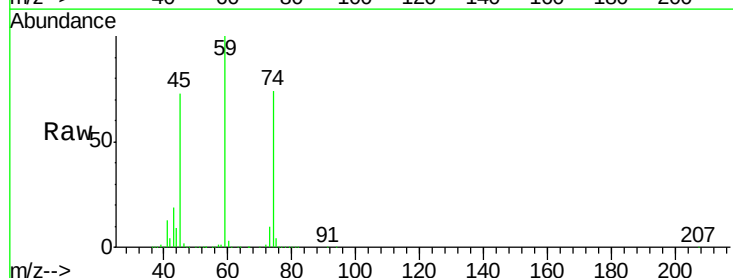
MMDadoda
7/19/2018 1:04:15 PM

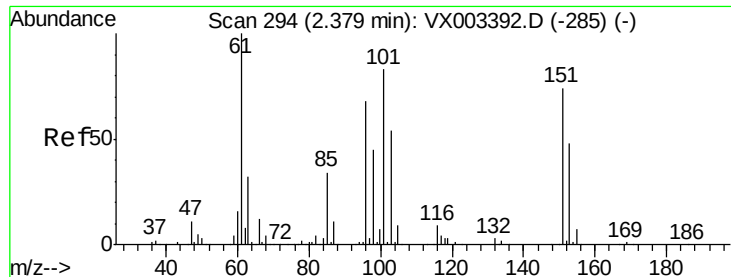


#8

Diethyl Ether
Concen: 25.69 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion: 74 Resp: 114303
Ion Ratio Lower Upper
74 100
45 96.4 53.1 159.4





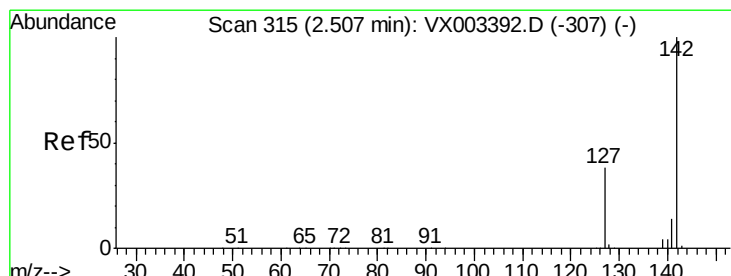
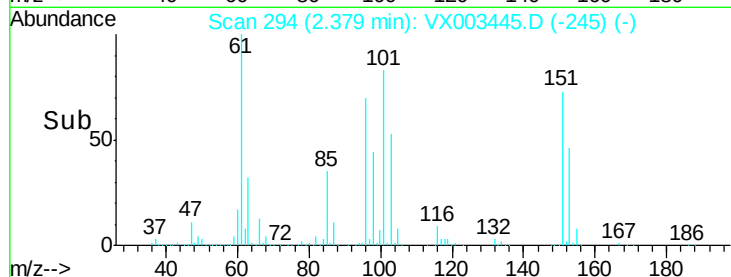
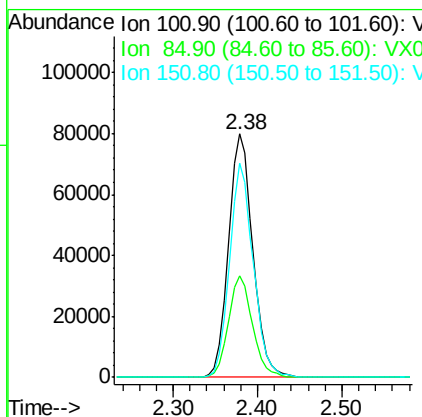
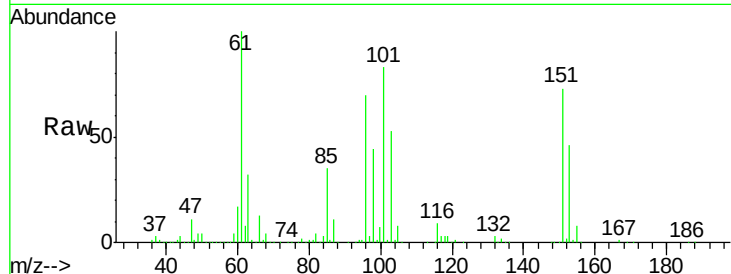
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.77 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	156134		
85	41.5	36.0	54.0	
151	86.1	70.9	106.3	

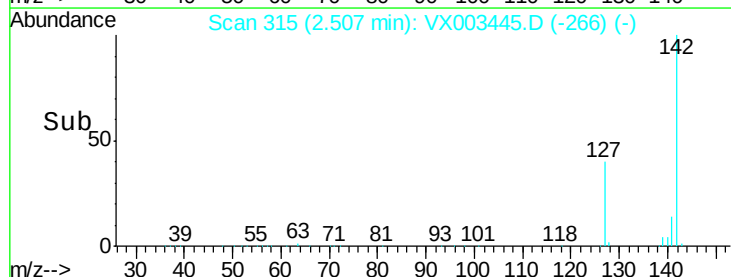
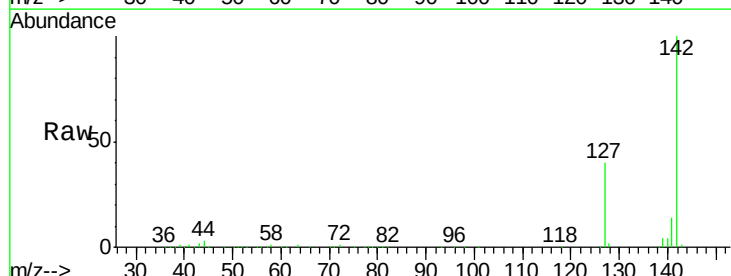
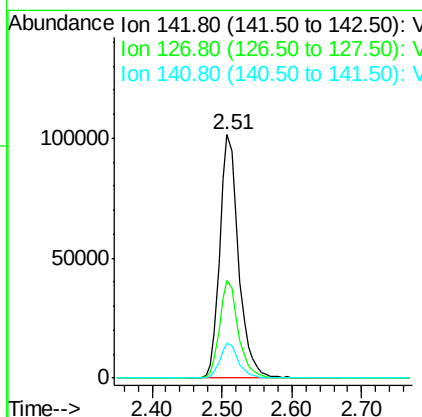
Manual Integrations
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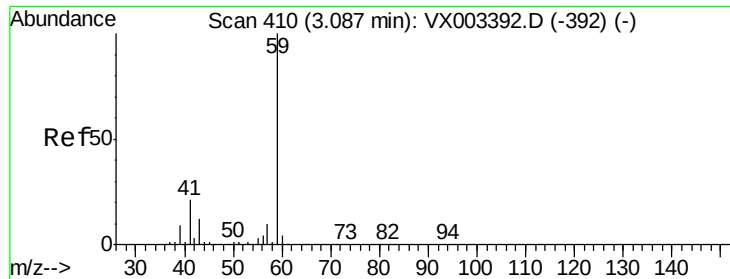
MMDadoda
7/19/2018 1:04:15 PM



#10
Methyl Iodide
Concen: 26.99 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	189670		
127	40.0	36.6	55.0	
141	14.1	11.3	16.9	





#11

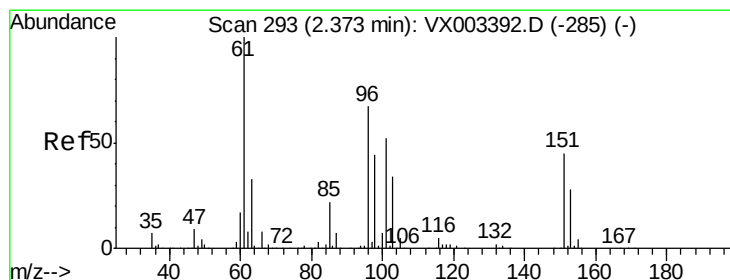
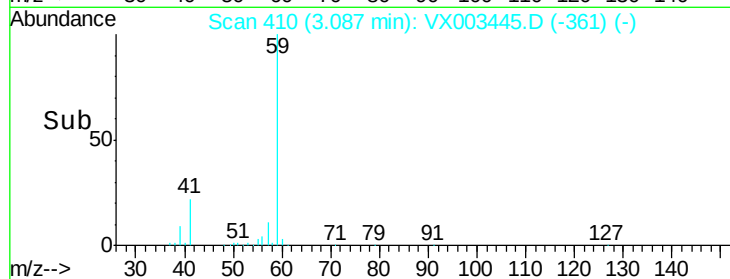
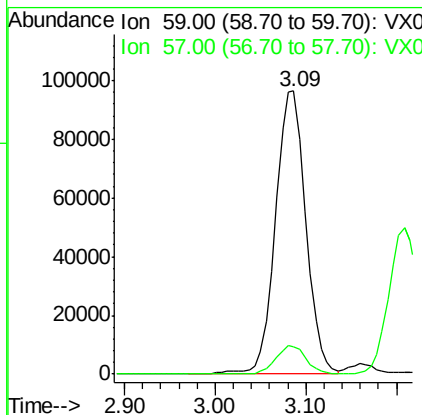
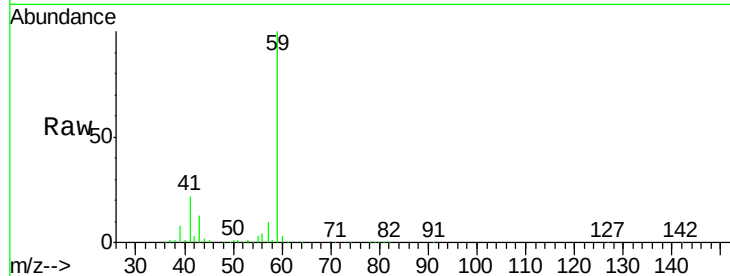
Tert butyl alcohol
Concen: 128.99 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MSD

Tot Ion	59	Resp	223696
Ion Ratio	100	Lower	Upper
57	10.0	8.2	12.2

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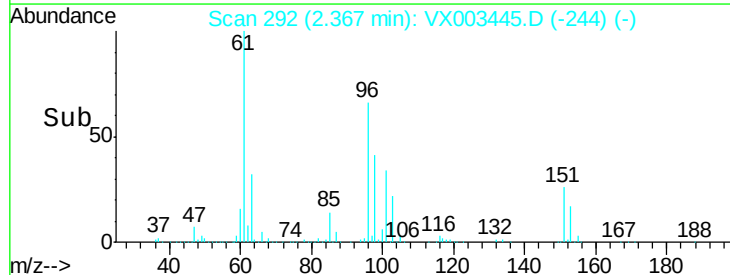
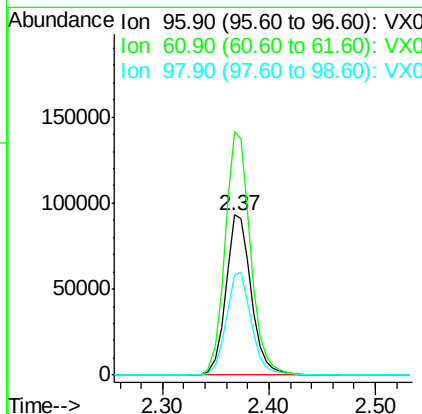
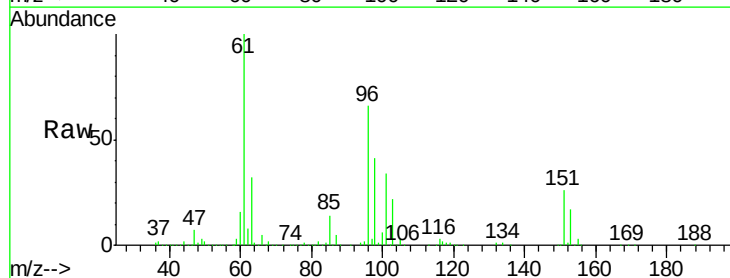
MMDadoda
7/19/2018 1:04:15 PM

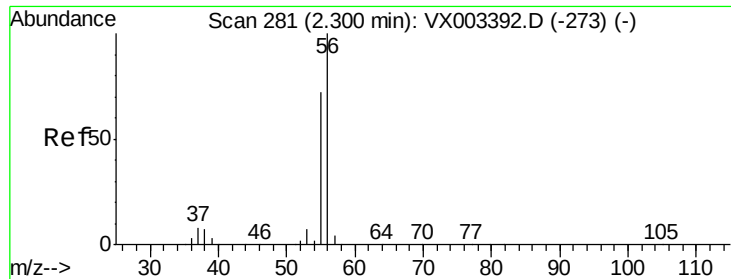


#12

1,1-Dichloroethene
Concen: 24.96 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	96	Resp	154911
Ion Ratio	100	Lower	Upper
61	152.1	137.9	206.9
98	62.4	51.6	77.4





#13

Acrolein

Concen: 86.07 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion: 56 Resp: 71599

Ion Ratio Lower Upper

56 100

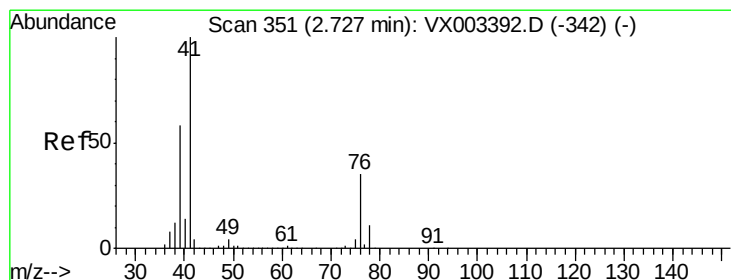
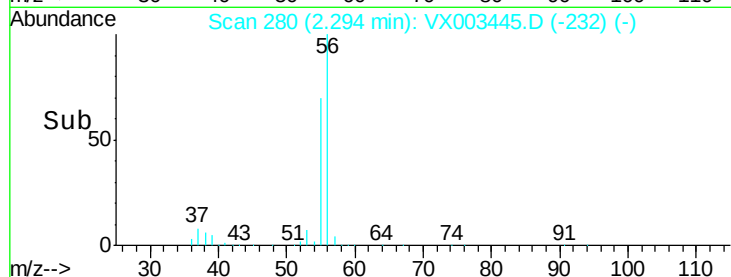
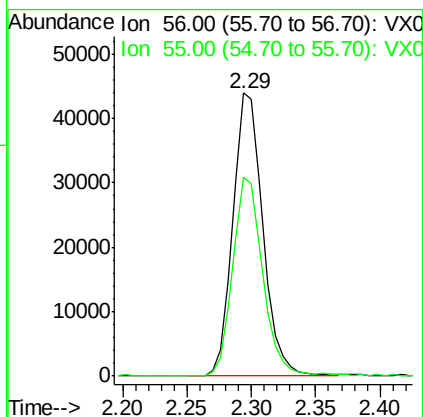
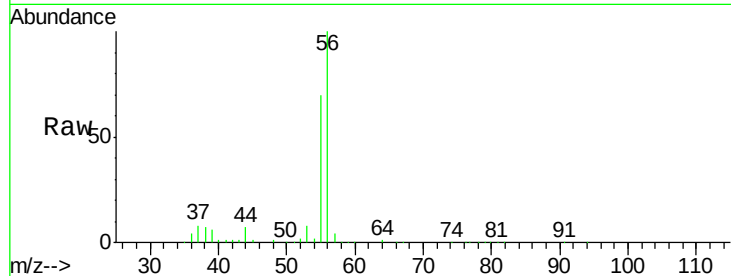
55 69.3 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 23.49 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

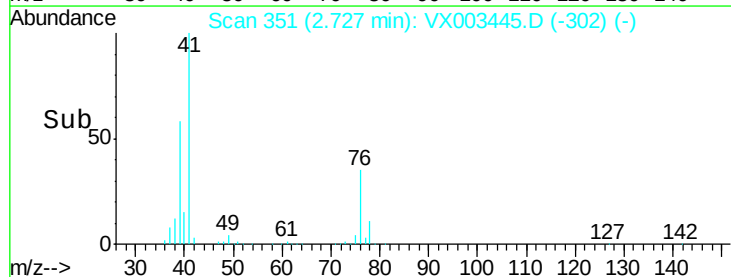
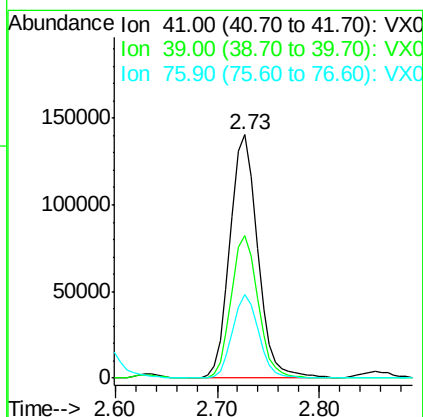
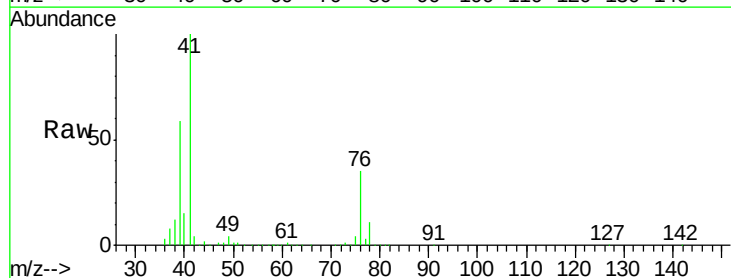
Tgt Ion: 41 Resp: 264444

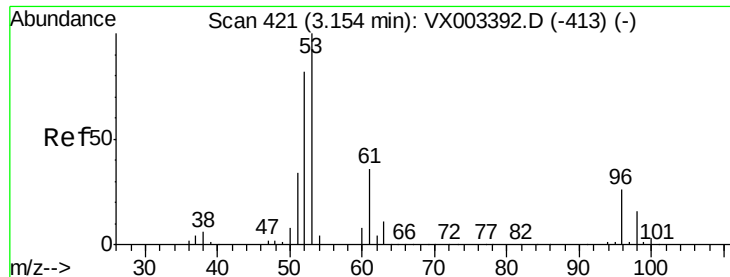
Ion Ratio Lower Upper

41 100

39 56.9 56.8 85.2

76 32.5 23.8 35.8





#15

Acrylonitrile

Concen: 125.04 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

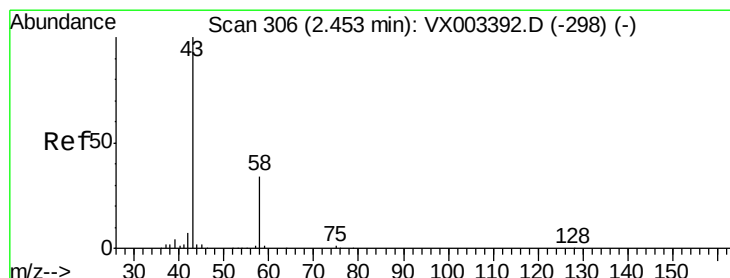
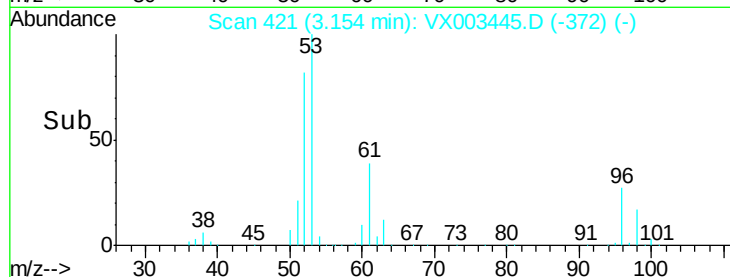
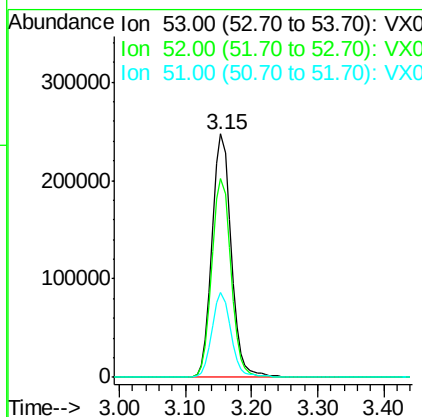
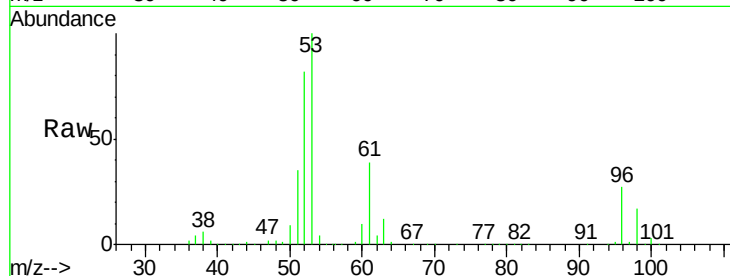
ClientSampleId :

LF1-0034MSD

Tot Ion:	53	Resp:	496809
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	34.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 133.14 ug/l

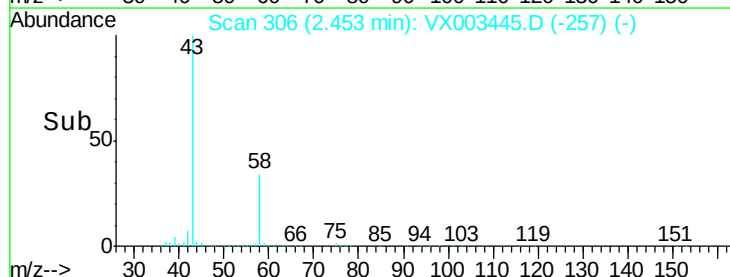
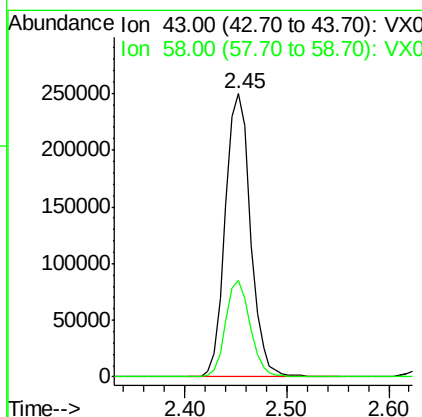
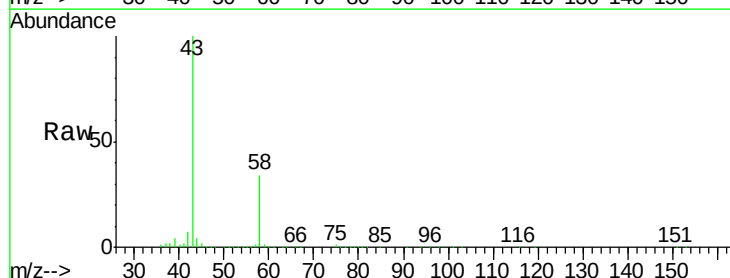
RT: 2.45 min Scan# 306

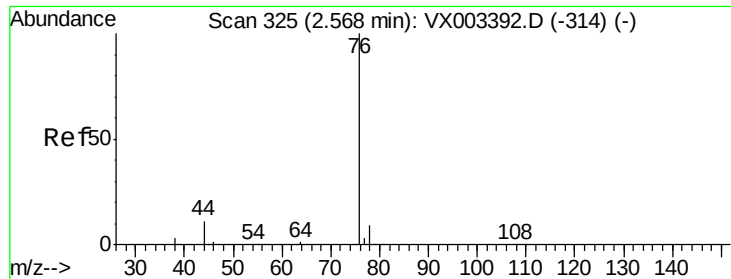
Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Tgt Ion:	43	Resp:	427045
Ion	Ratio	Lower	Upper
43	100		
58	33.9	22.1	33.1#





#17

Carbon Disulfide

Concen: 23.71 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion: 76 Resp: 403878

Ion Ratio Lower Upper

76 100

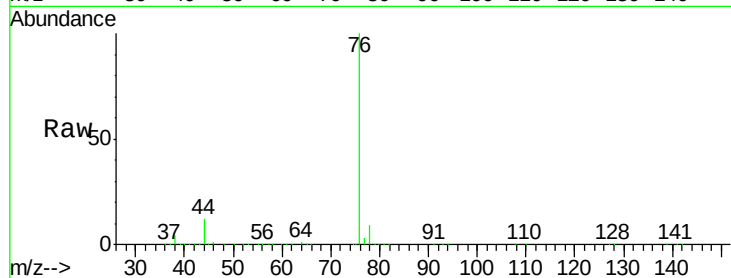
78 9.4 6.9 10.3

Manual Integrations

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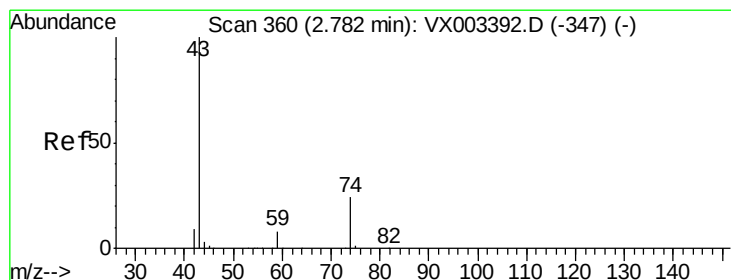
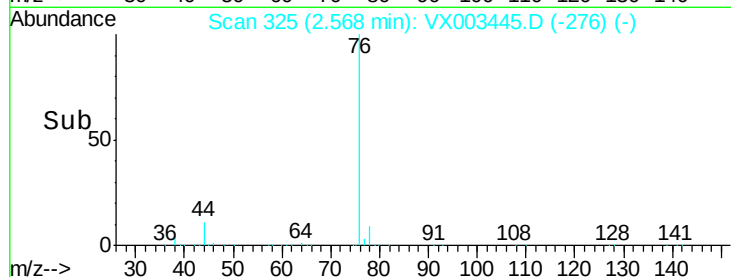
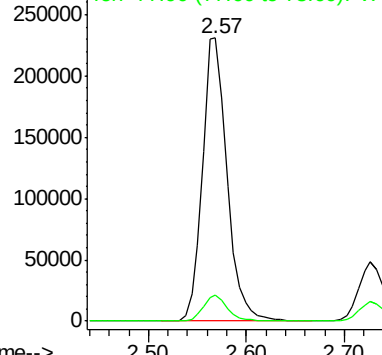
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.77 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003445.D

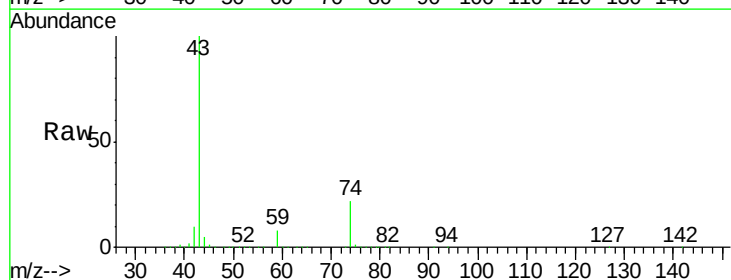
Acq: 18 Jul 2018 14:15

Tgt Ion: 43 Resp: 216996

Ion Ratio Lower Upper

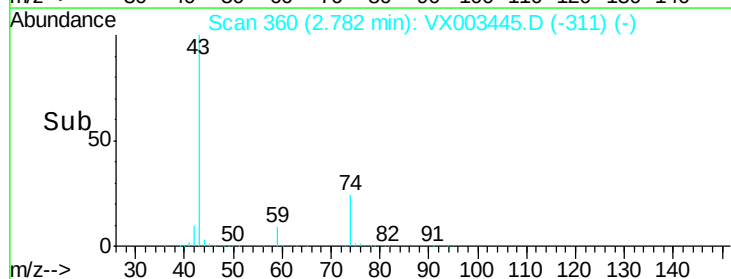
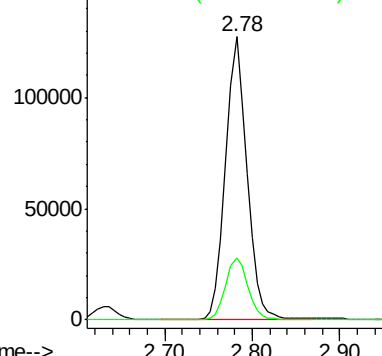
43 100

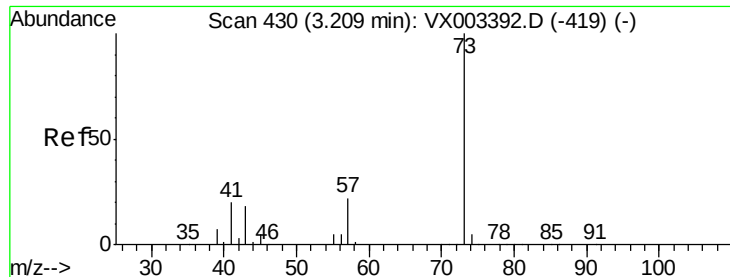
74 23.1 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 25.73 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MSD

Tot Ion: 73 Resp: 530239

Ion Ratio Lower Upper

73 100

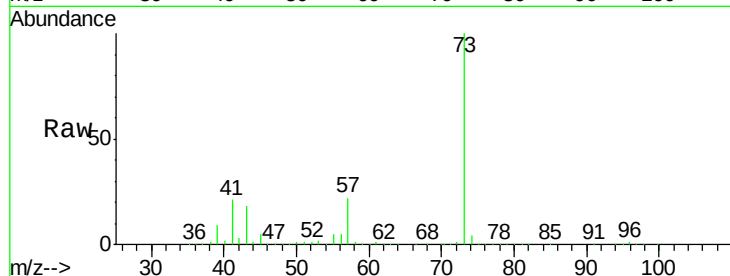
57 22.0 17.7 26.5

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

250000

200000

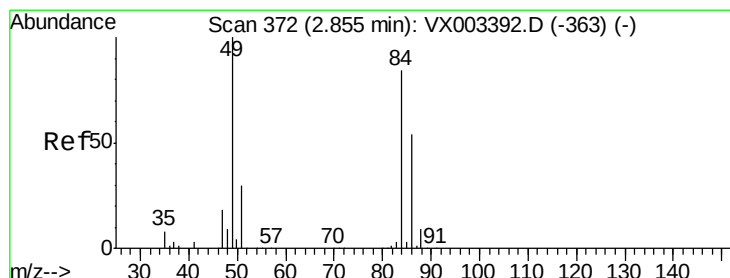
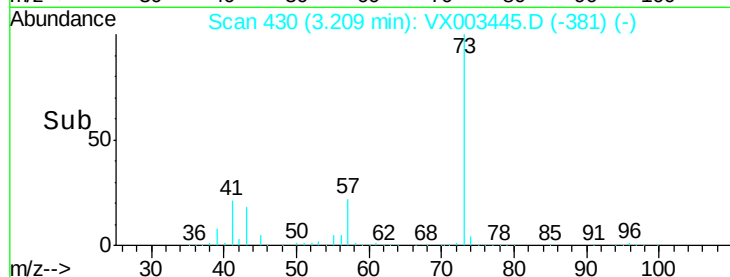
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 30.74 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Tgt Ion: 84 Resp: 176810

Ion Ratio Lower Upper

84 100

49 118.5 107.8 161.6

51 36.2 32.8 49.2

86 64.0 52.5 78.7

Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

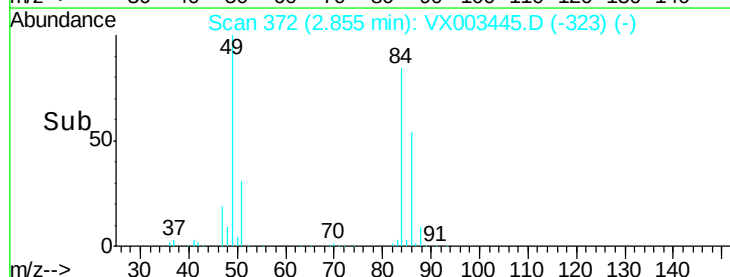
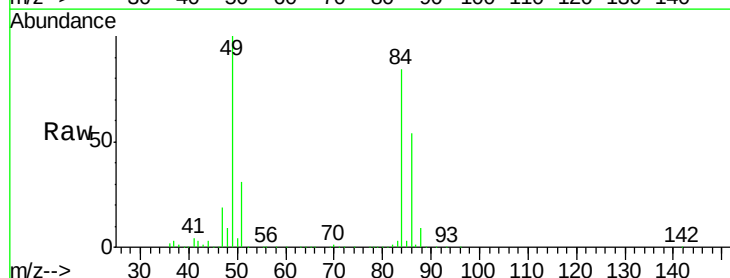
150000

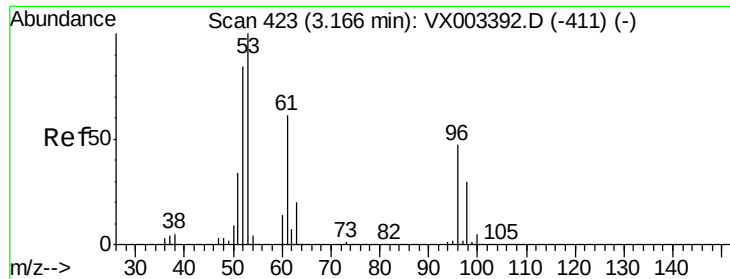
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 24.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

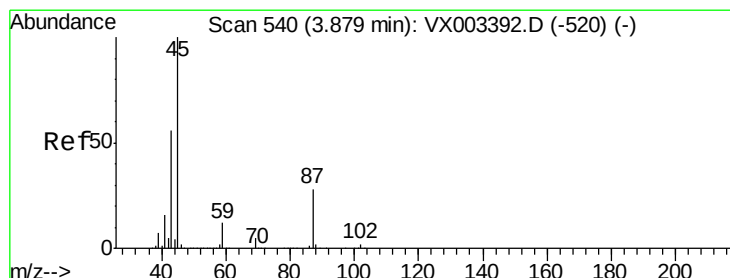
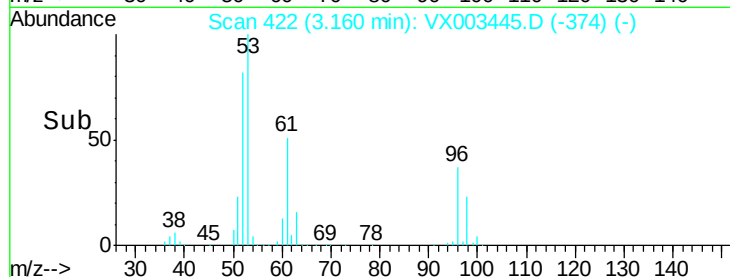
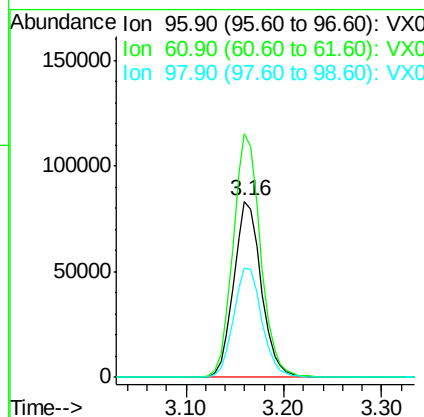
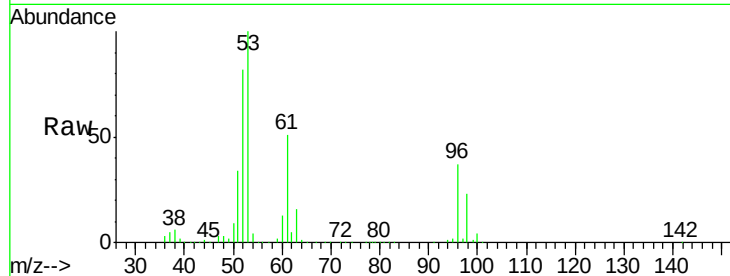
ClientSampleId :

LF1-0034MSD

Tot Ion:	96	Resp:	162704
Ion	Ratio	Lower	Upper
96	100		
61	138.2	117.0	175.4
98	62.1	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.68 ug/l

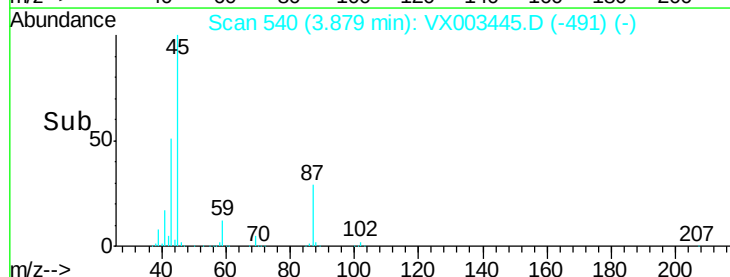
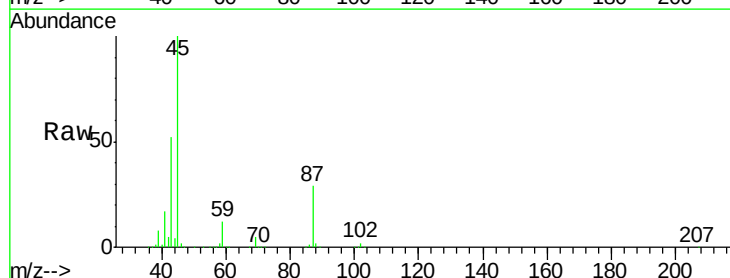
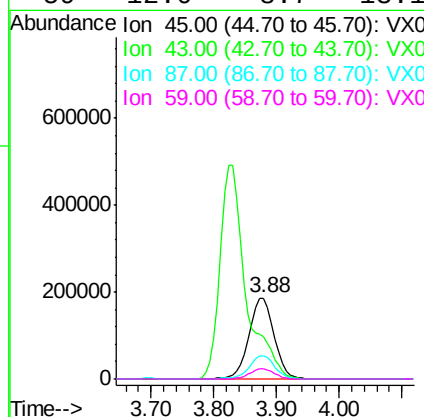
RT: 3.88 min Scan# 540

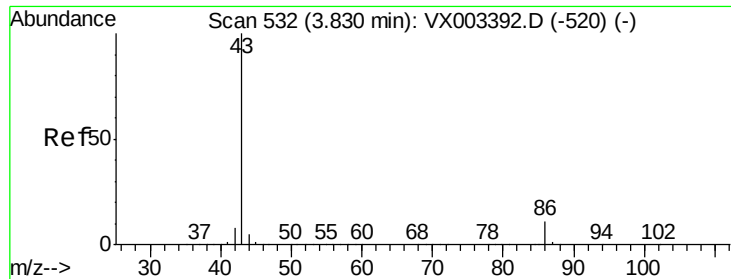
Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Tgt Ion:	45	Resp:	517256
Ion	Ratio	Lower	Upper
45	100		
43	51.5	46.8	70.2
87	28.7	20.2	30.4
59	12.0	8.7	13.1





#23

Vinyl Acetate

Concen: 78.18 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion: 43 Resp: 1408150

Ion Ratio Lower Upper

43 100

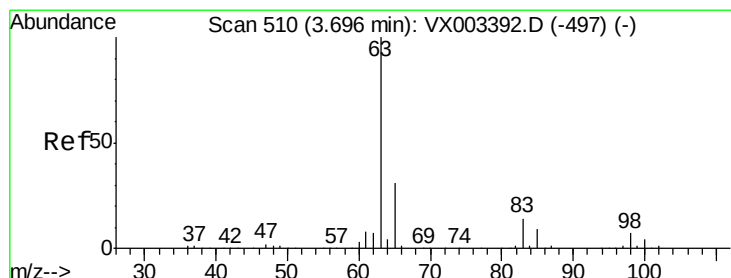
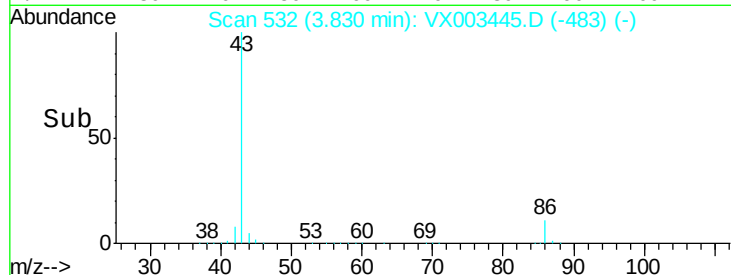
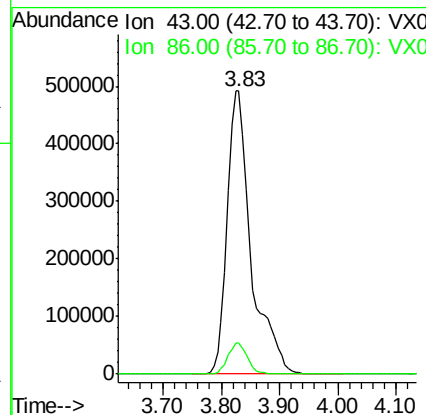
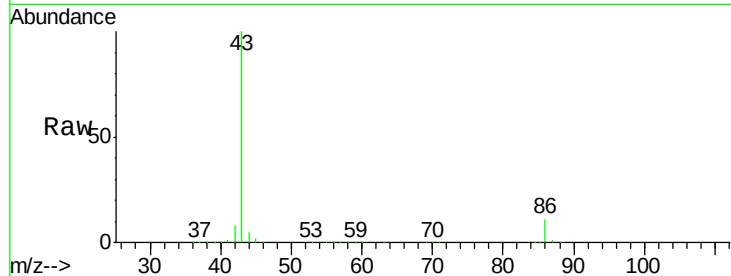
86 10.9 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 25.65 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

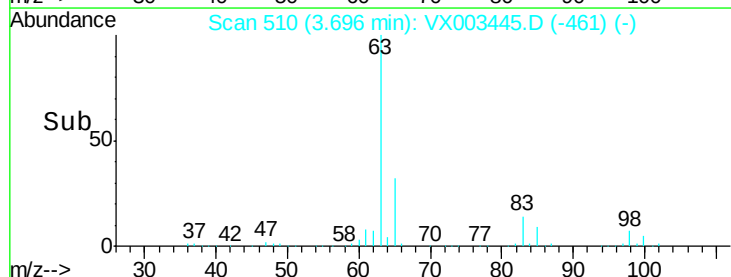
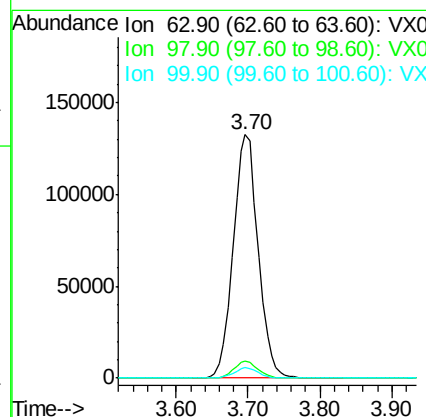
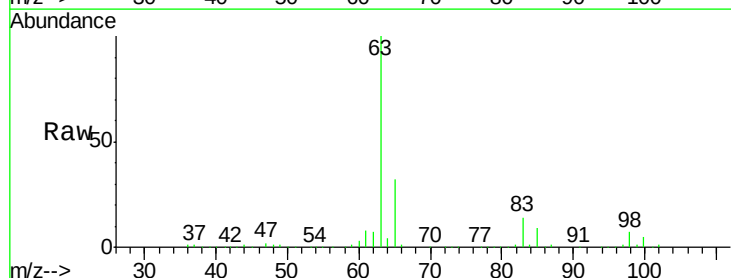
Tgt Ion: 63 Resp: 317841

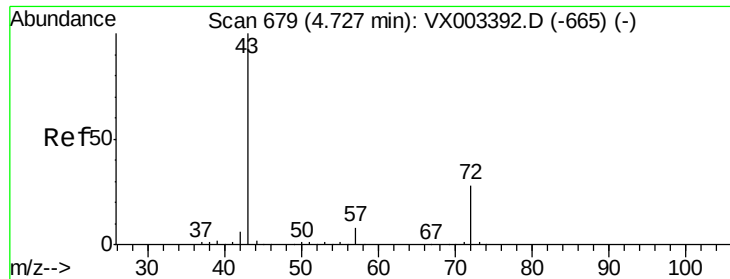
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 127.15 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion: 43 Resp: 638244

Ion Ratio Lower Upper

43 100

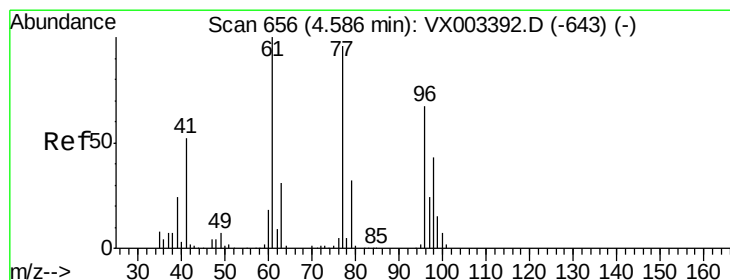
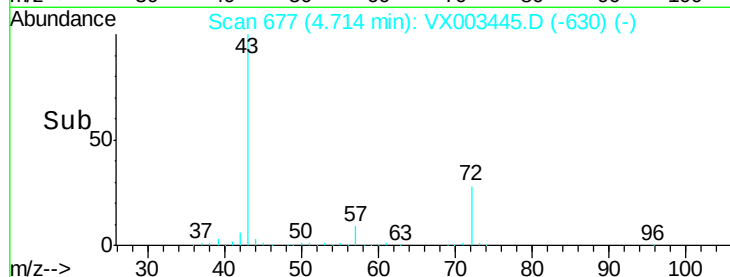
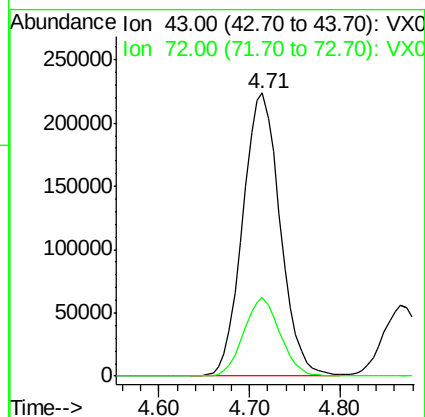
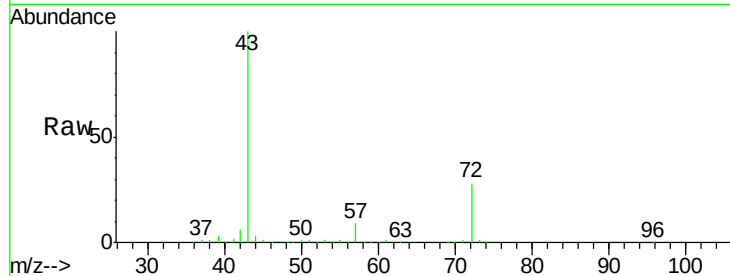
72 27.8 18.5 27.7#

Manual Integrations

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7/19/2018 1:04:15 PM



#26

2,2-Dichloropropane

Concen: 10.14 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003445.D

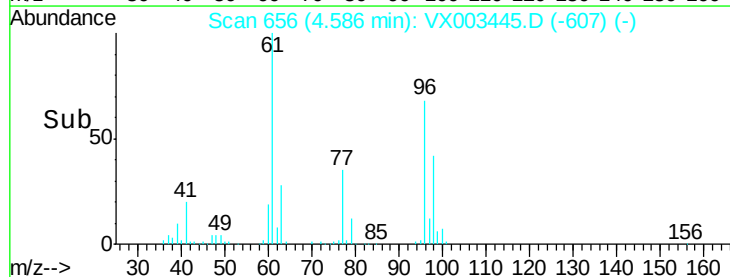
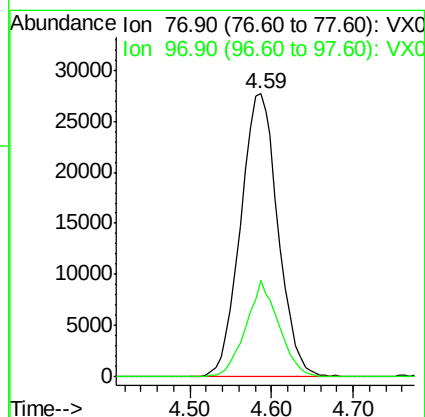
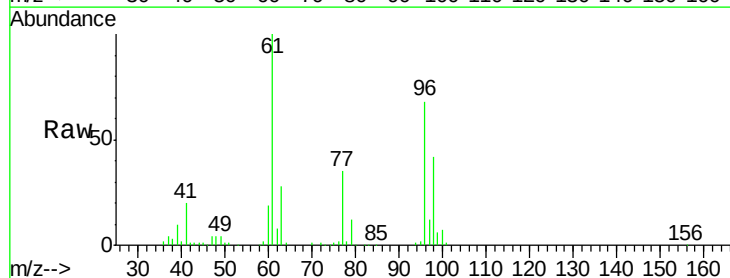
Acq: 18 Jul 2018 14:15

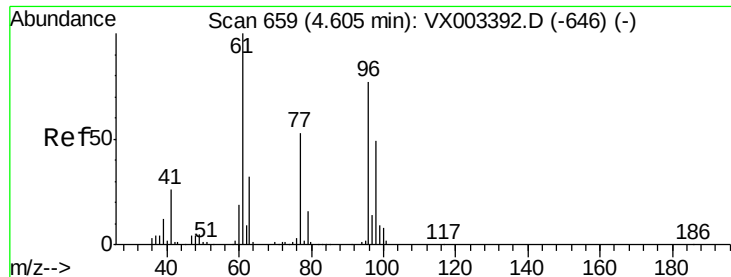
Tgt Ion: 77 Resp: 88153

Ion Ratio Lower Upper

77 100

97 30.0 11.2 33.5





#27

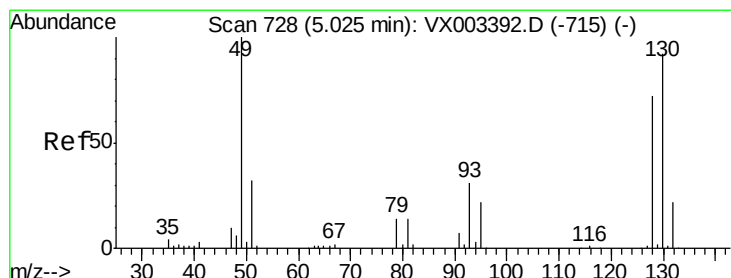
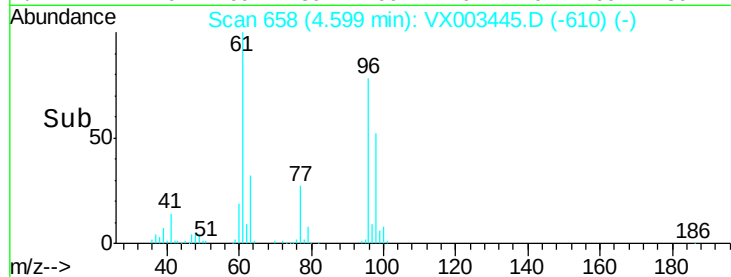
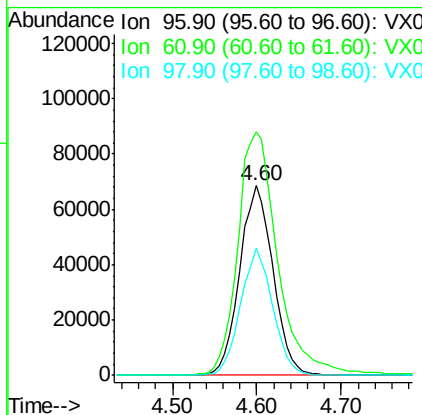
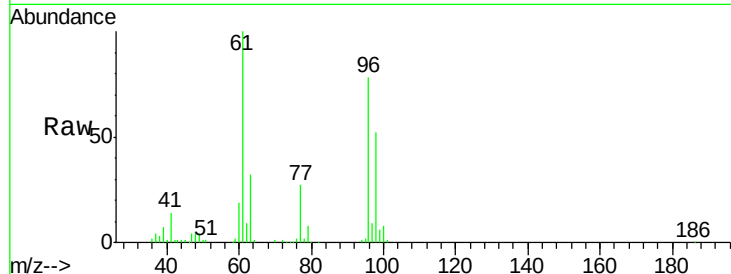
cis-1,2-Dichloroethene
 Concen: 25.37 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	182961		
61	155.4	0.0	330.2	
98	64.9	0.0	130.2	

Manual Integrations
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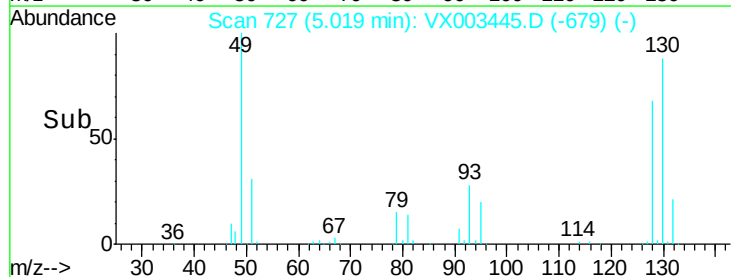
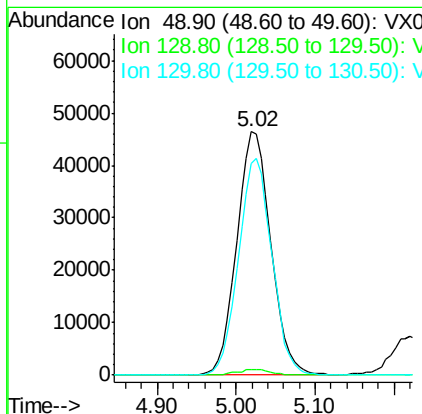
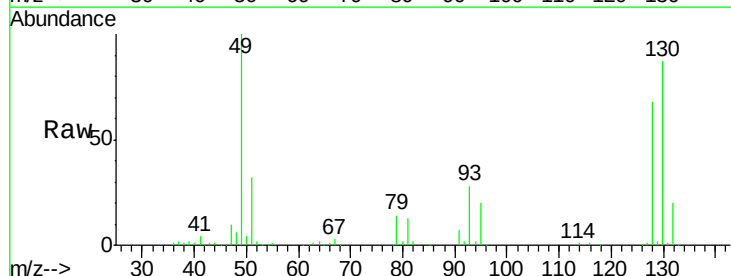
MMDadoda
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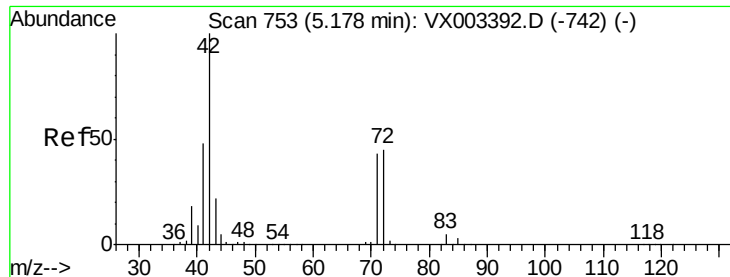


#28

Bromochloromethane
 Concen: 25.98 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	139756		
129	2.2	0.0	4.2	
130	87.4	61.2	91.8	





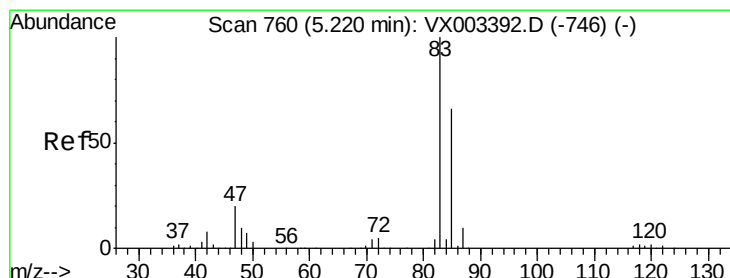
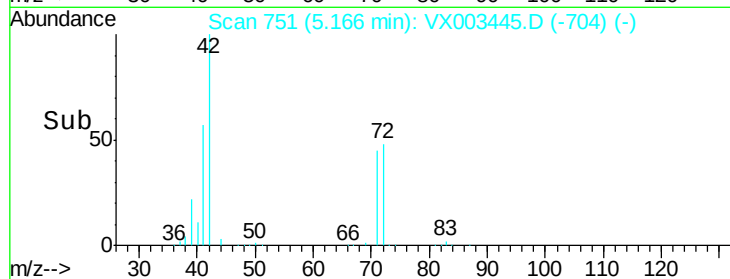
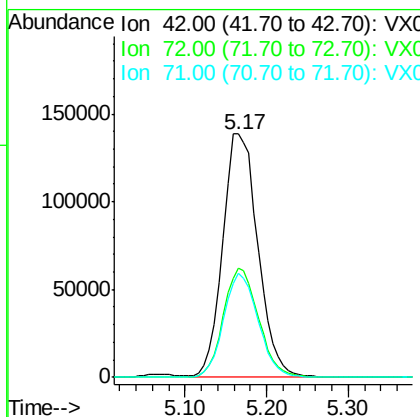
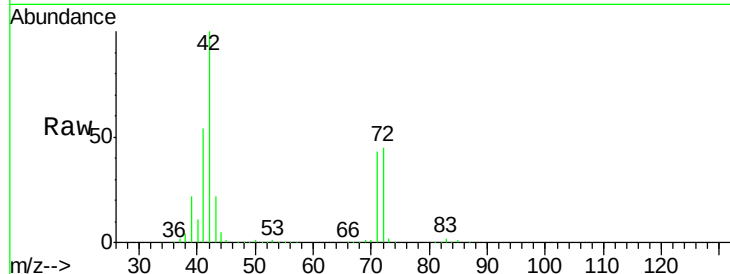
#29
Tetrahydrofuran
Concen: 129.52 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion:	42	Resp:	412314
Ion Ratio	Lower	Upper	
42	100		
72	45.1	32.0	48.0
71	42.0	30.1	45.1

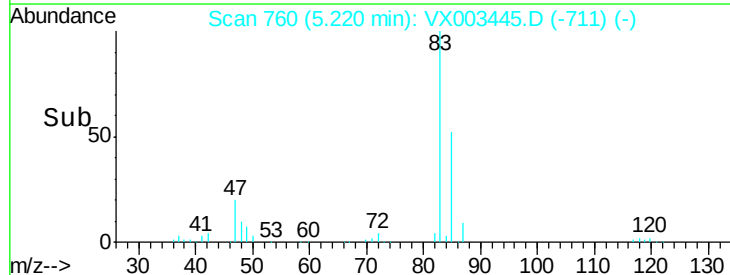
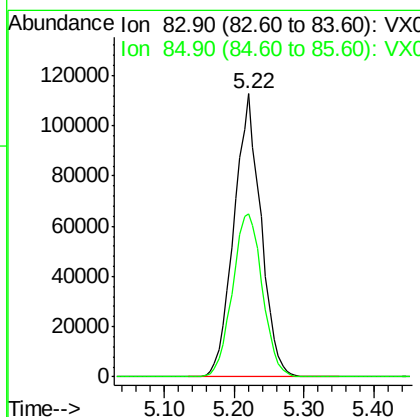
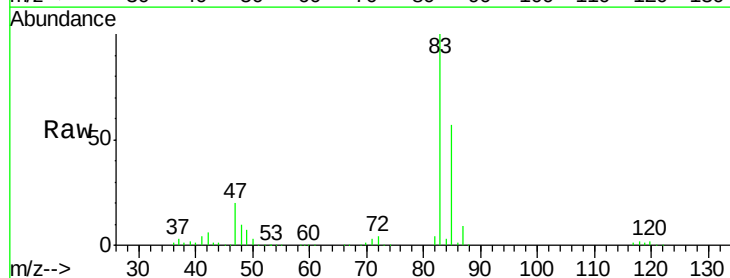
Manual Integrations
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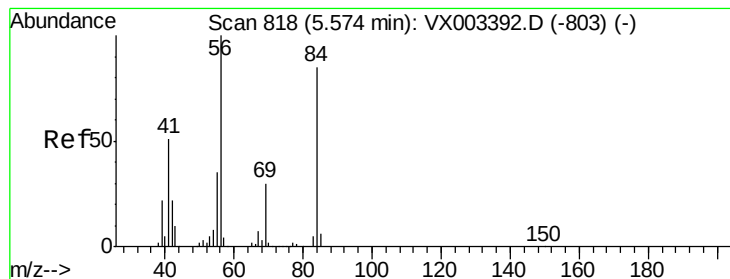
MMDadoda
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#30
Chloroform
Concen: 26.50 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion:	83	Resp:	302500
Ion Ratio	Lower	Upper	
83	100		
85	57.5	50.4	75.6





#31

Cyclohexane

Concen: 25.57 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

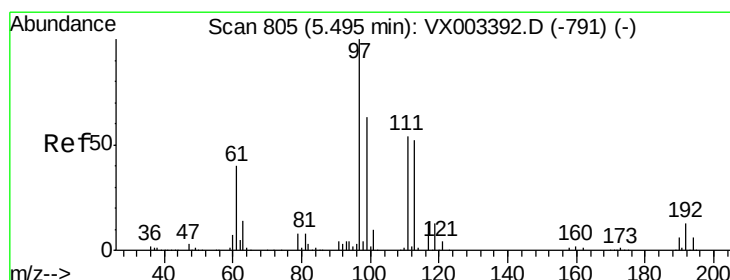
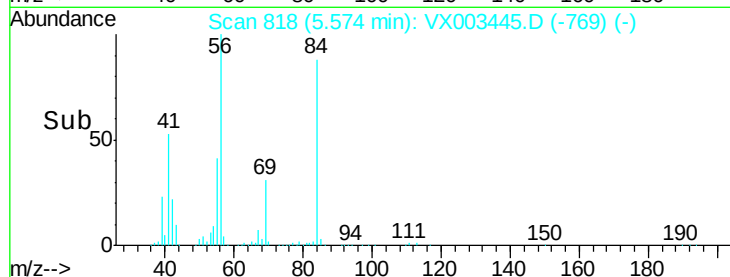
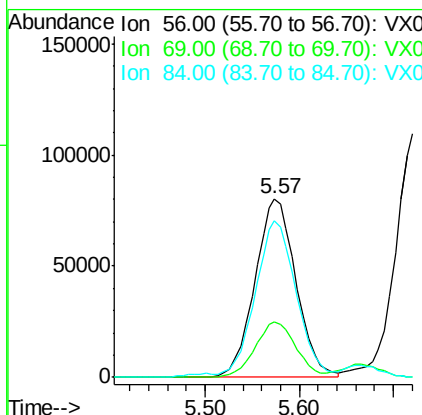
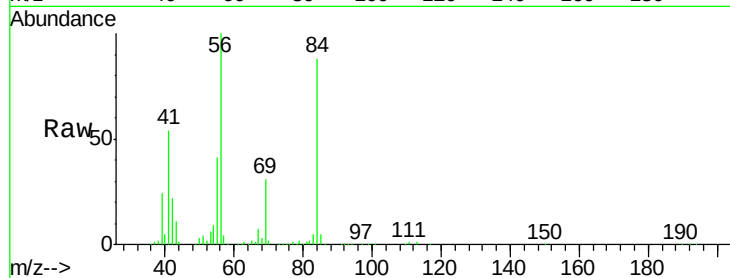
ClientSampleId :

LF1-0034MSD

Tot Ion:	56	Resp:	244654
Ion Ratio	Lower	Upper	
56	100		
69	31.4	23.7	35.5
84	86.6	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 26.24 ug/l

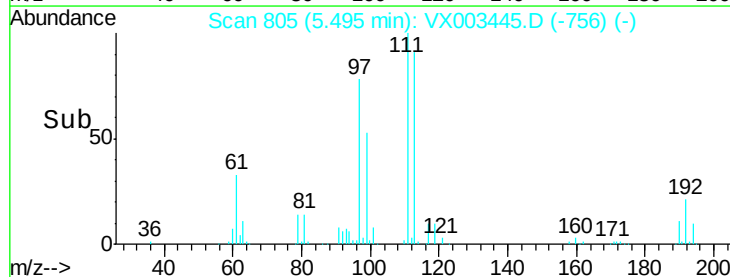
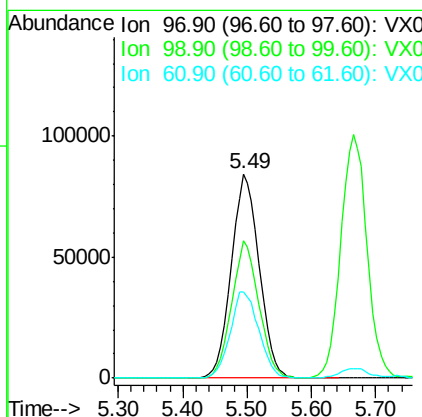
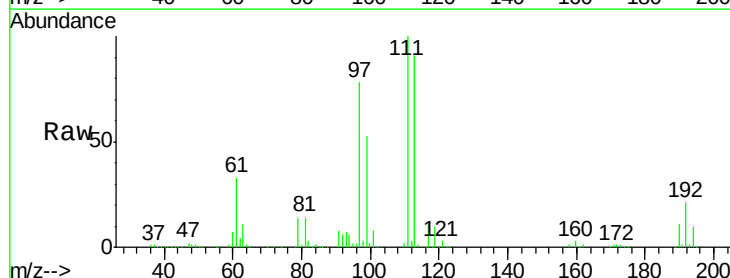
RT: 5.49 min Scan# 805

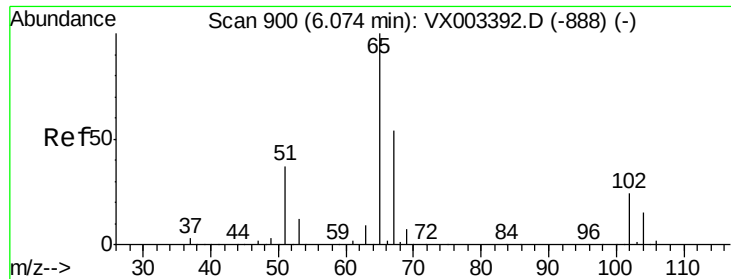
Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Tgt Ion:	97	Resp:	254808
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.6	77.4
61	43.5	36.4	54.6





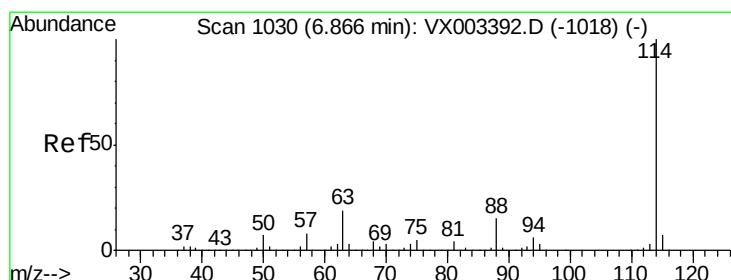
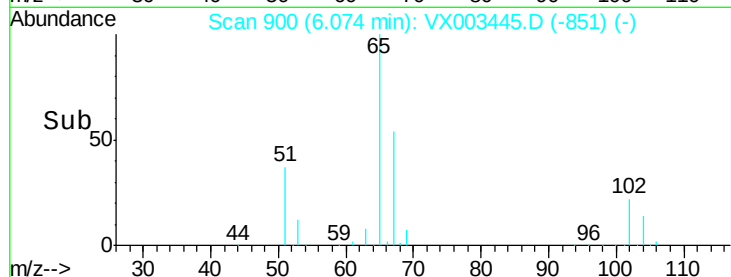
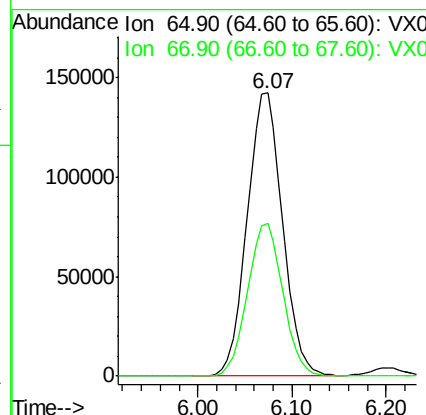
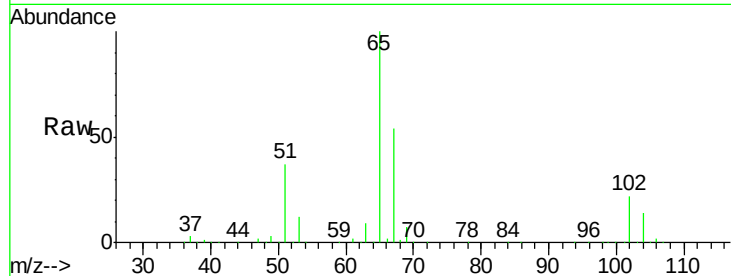
#33
 1,2-Dichloroethane-d4
 Concen: 48.68 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	375388		
67	53.9	0.0	102.6	

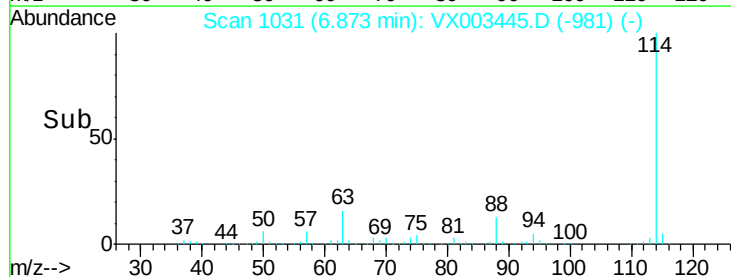
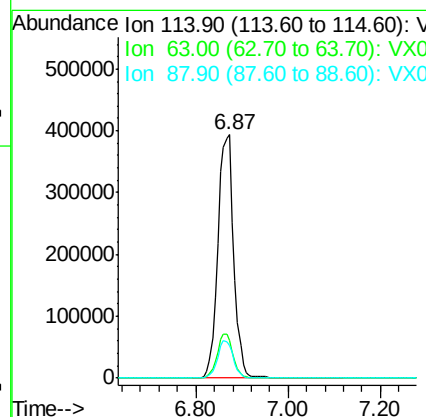
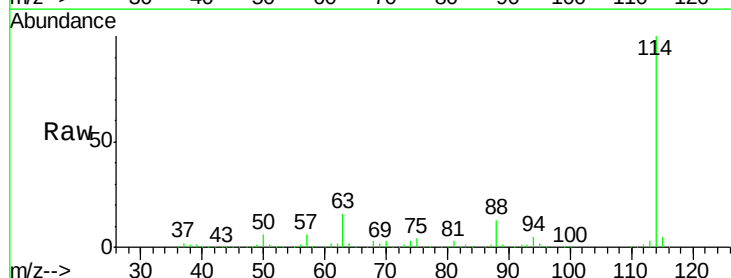
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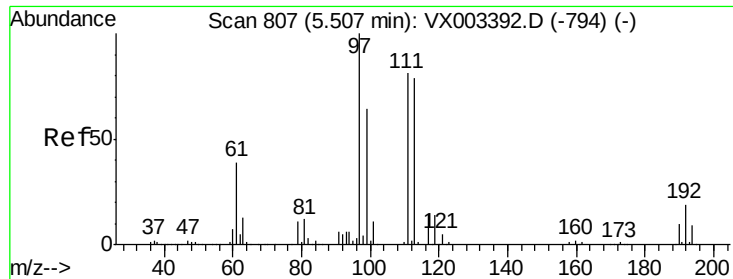
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	937523		
63	15.6	0.0	41.4	
88	13.3	0.0	30.0	





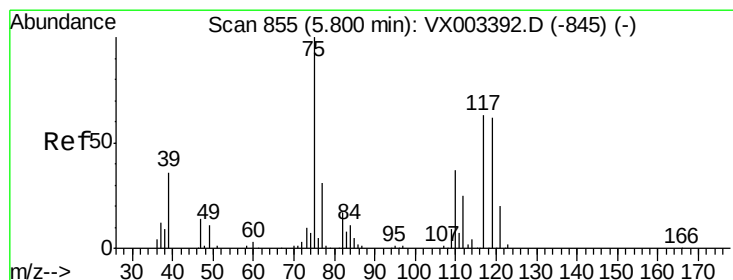
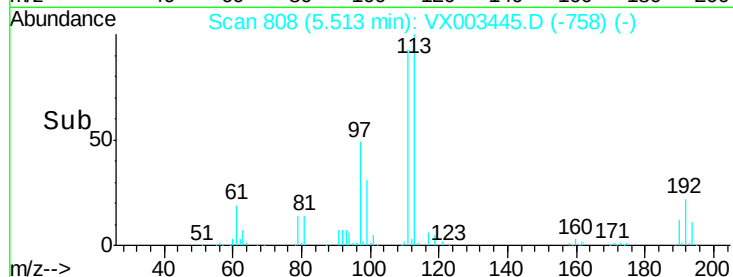
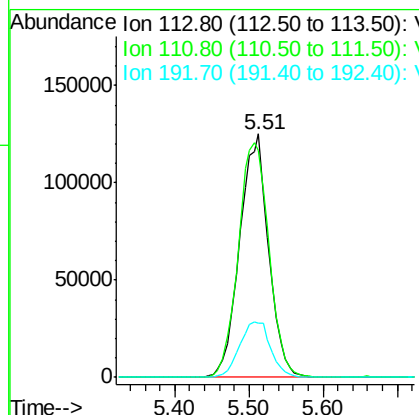
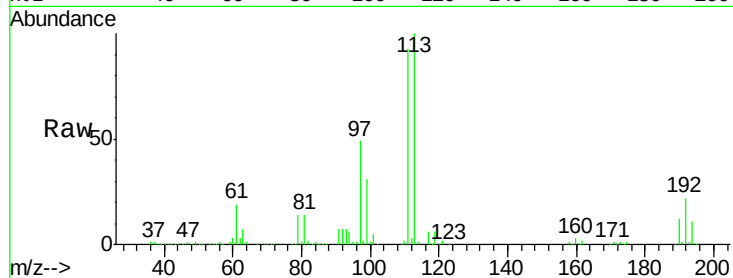
#35
Dibromofluoromethane
Concen: 44.85 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	340215		
111	102.7	81.4	122.0	
192	24.4	19.1	28.7	

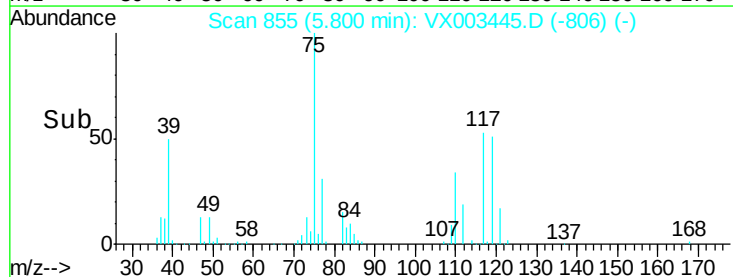
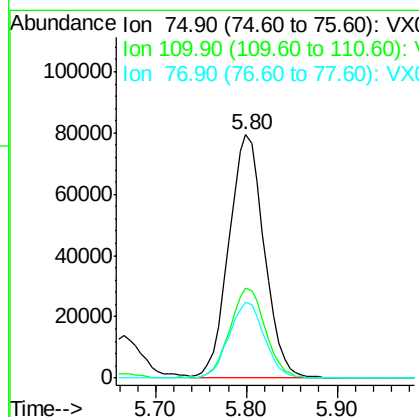
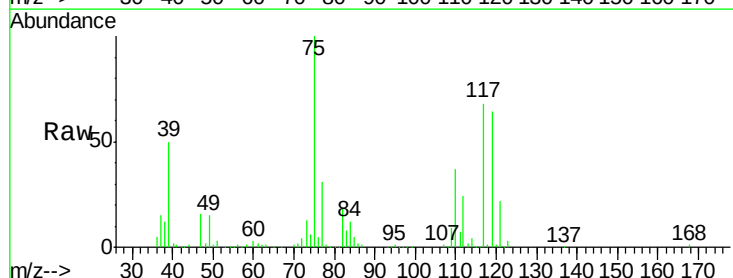
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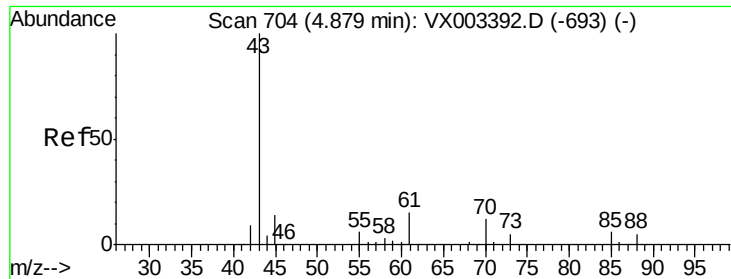
MMDadoda
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#36
1,1-Dichloropropene
Concen: 22.49 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213548		
110	37.5	18.1	54.4	
77	31.4	24.3	36.5	





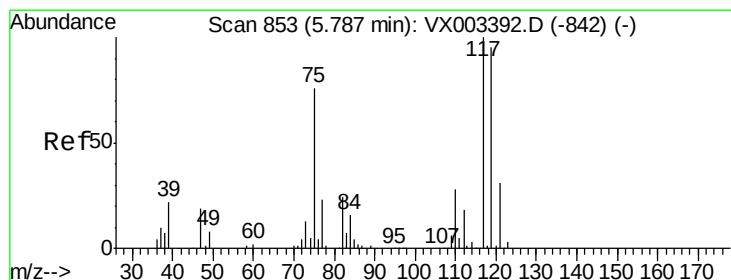
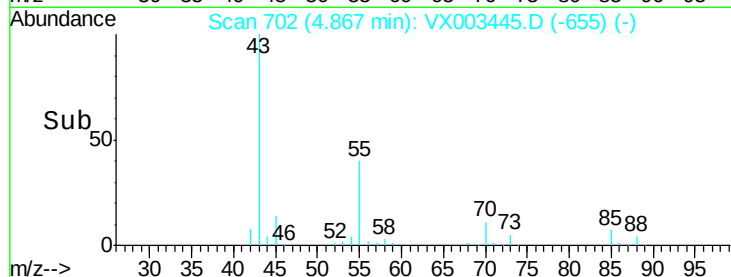
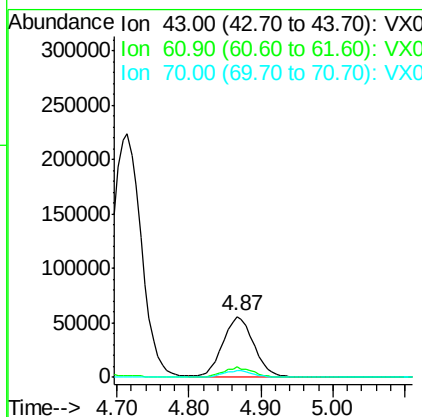
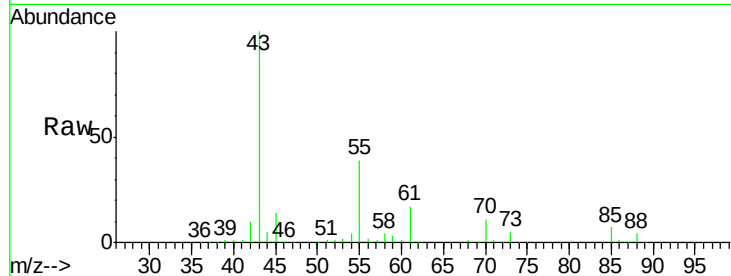
#37
Ethyl Acetate
Concen: 15.68 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.4	15.6#
70	11.0	7.6	11.4

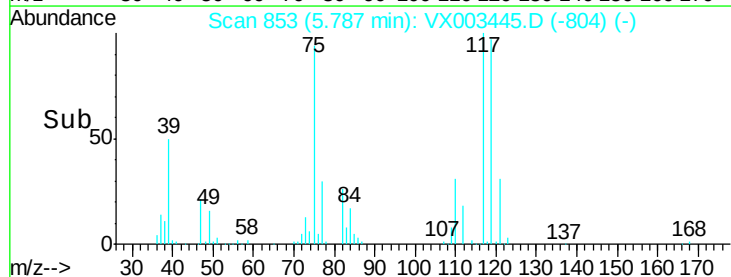
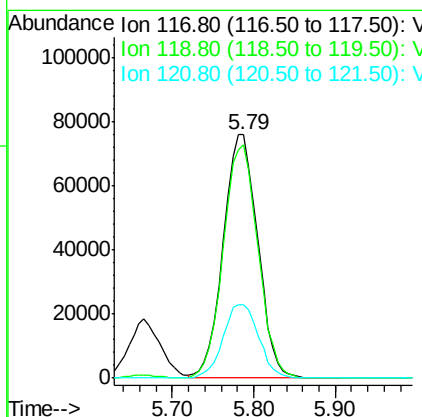
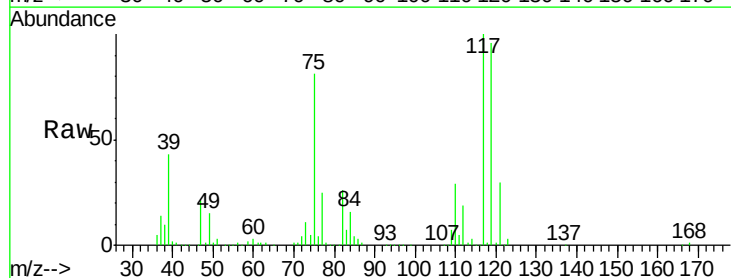
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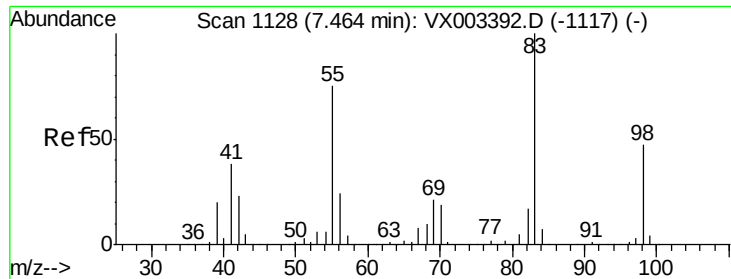
MMDadoda
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#38
Carbon Tetrachloride
Concen: 23.00 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.0
121	30.3	24.4	36.6





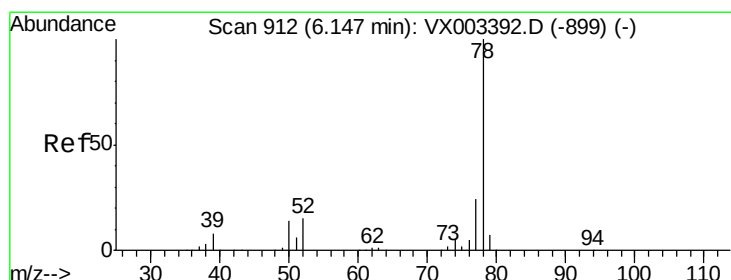
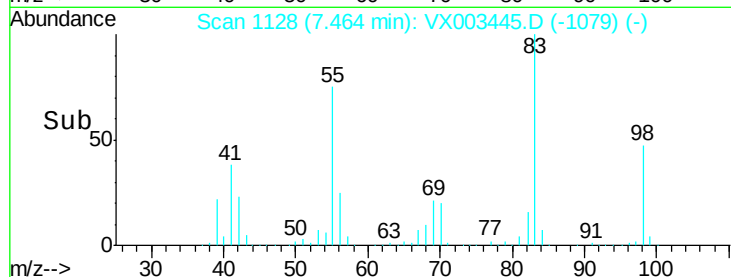
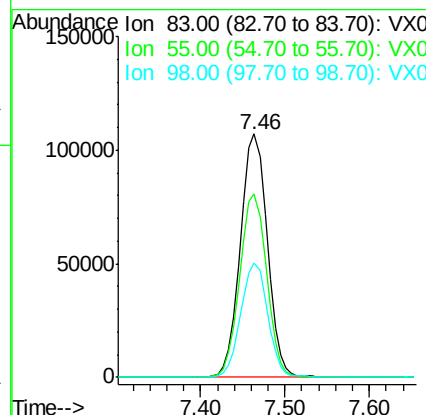
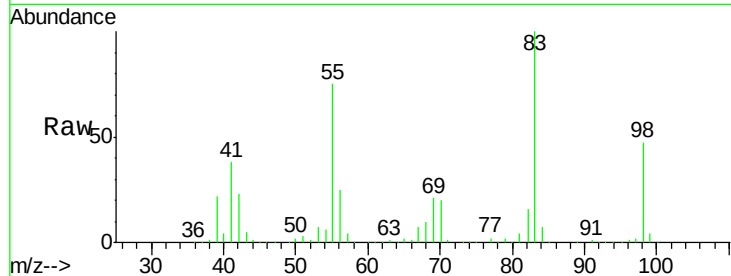
#39
Methylvlcyclohexane
Concen: 21.29 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.4	65.4	98.0	
98	47.1	37.4	56.0	

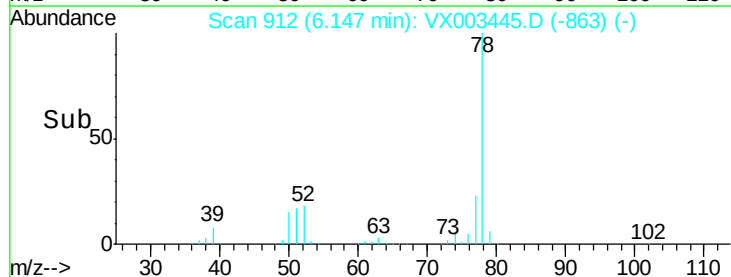
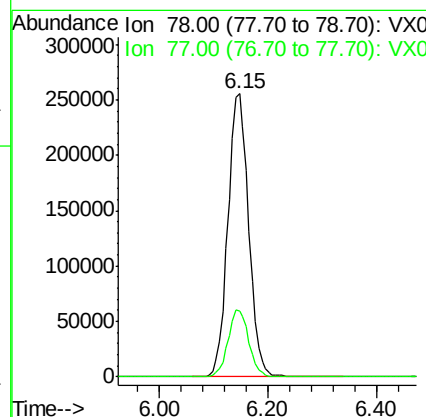
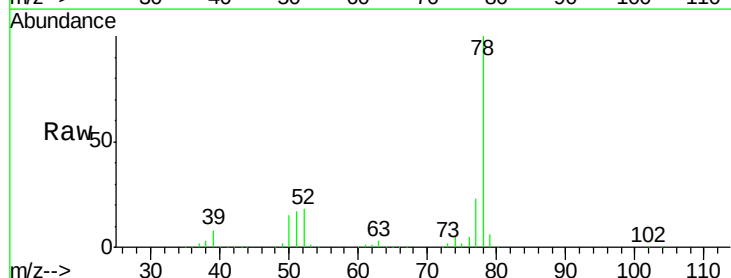
Manual Integrations
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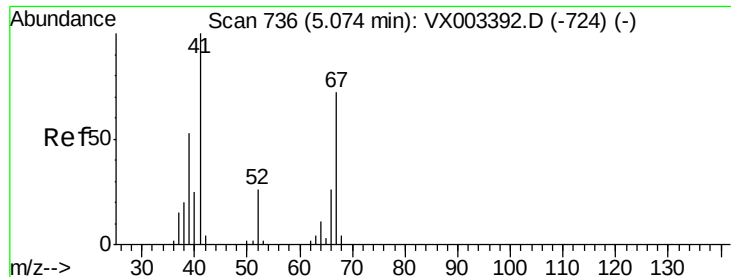
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#40
Benzene
Concen: 23.54 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.1	28.7	





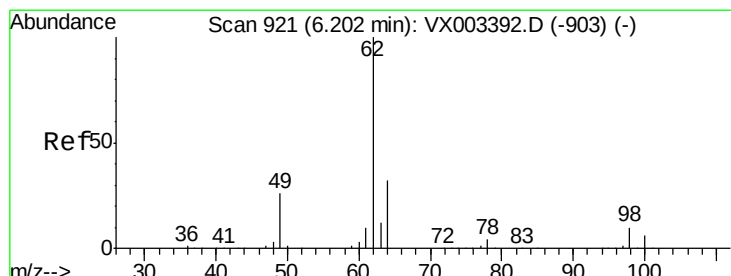
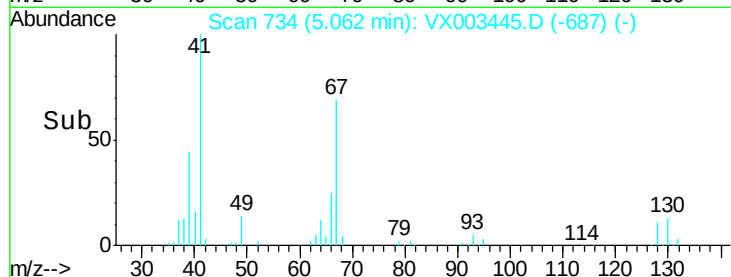
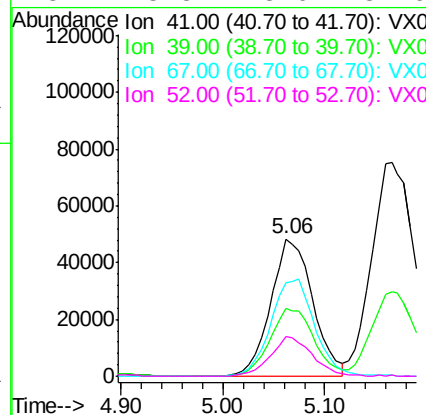
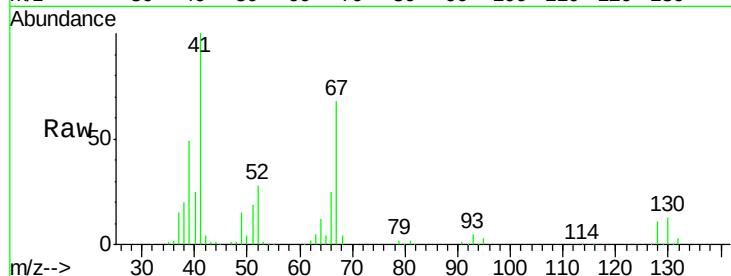
#41
Methacrylonitrile
Concen: 23.44 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.4	45.8	68.6
67	74.1	51.3	76.9
52	28.3	23.0	34.6

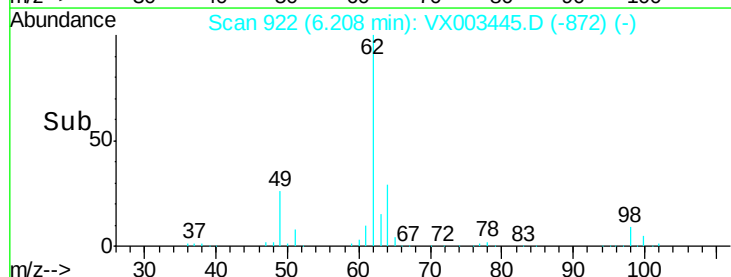
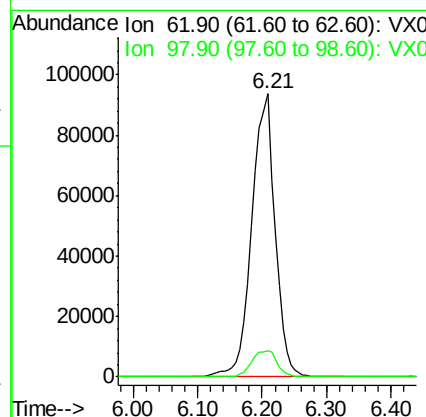
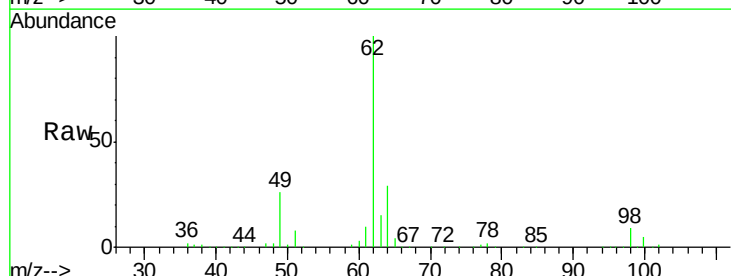
Manual Integrations
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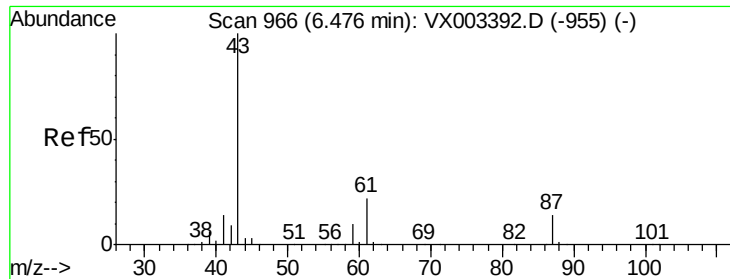
MMDadoda
7/19/2018 1:04:15 PM



#42
1,2-Dichloroethane
Concen: 23.31 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 19.92 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

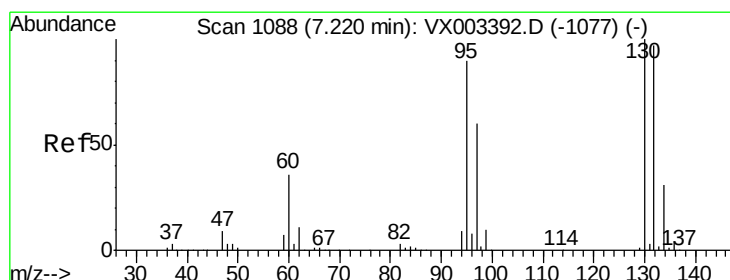
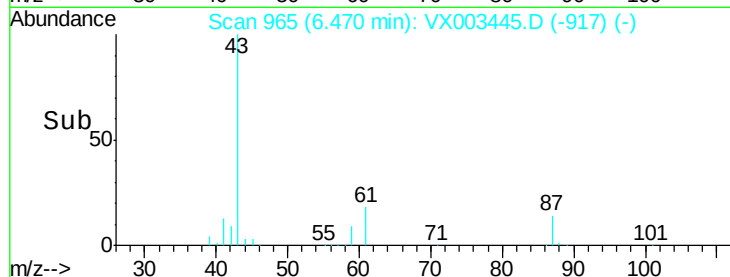
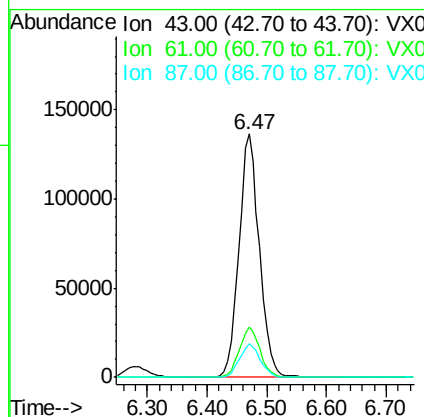
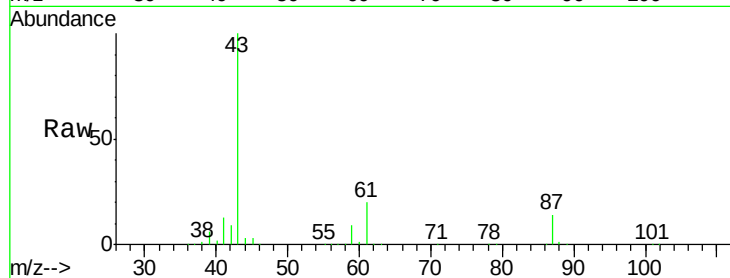
ClientSampleId :

LF1-0034MSD

Tot Ion:	43	Resp:	321570
Ion	Ratio	Lower	Upper
43	100		
61	21.2	14.4	21.6
87	14.1	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 23.59 ug/l

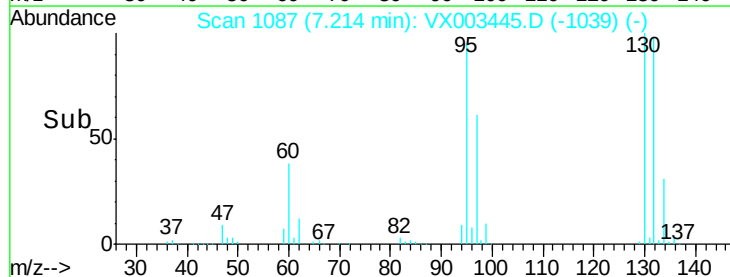
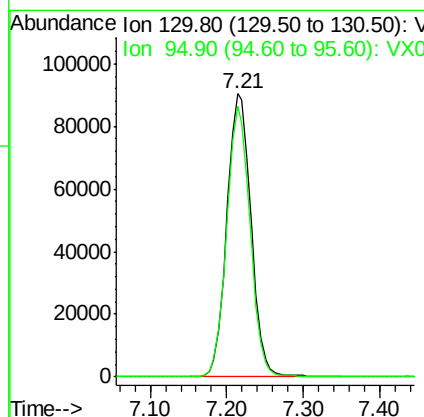
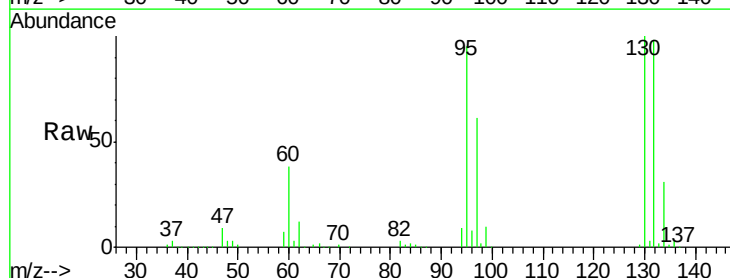
RT: 7.21 min Scan# 1087

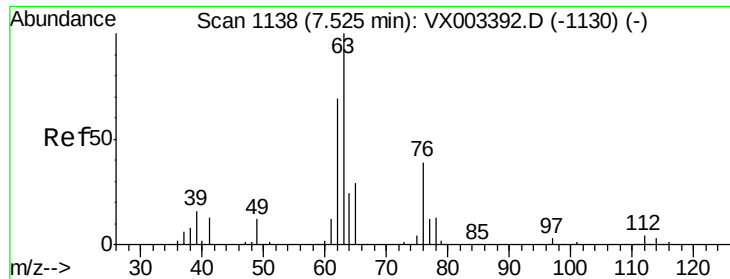
Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Tgt Ion:	130	Resp:	197390
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	185.4





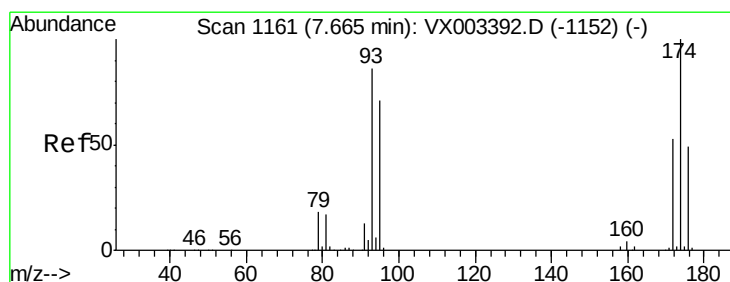
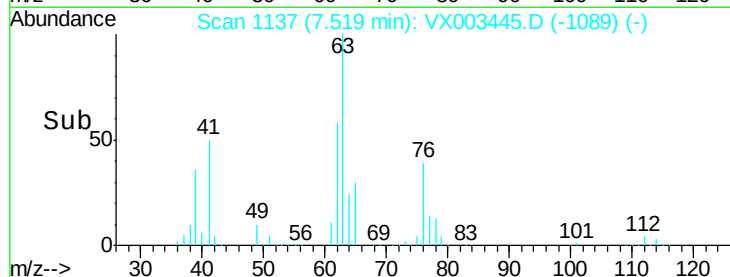
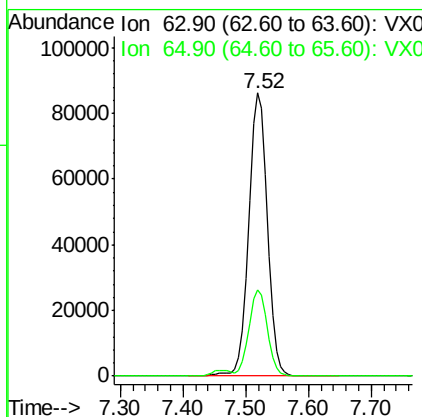
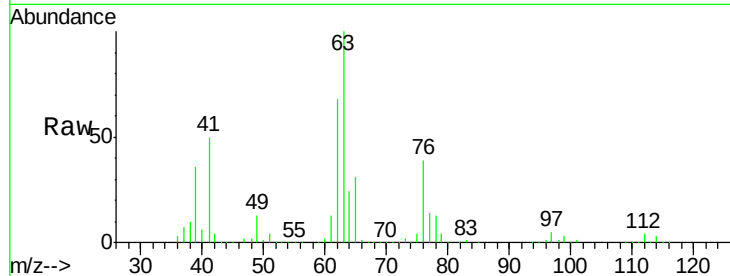
#45
 1,2-Dichloropropane
 Concen: 23.64 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.7	37.1

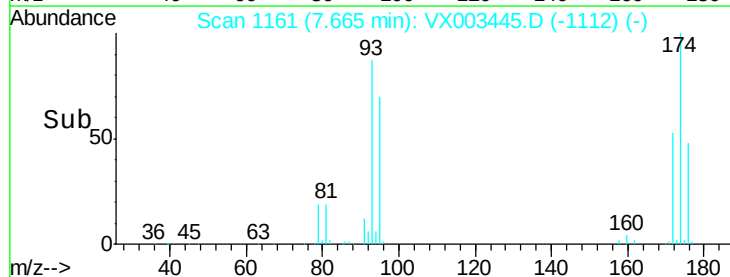
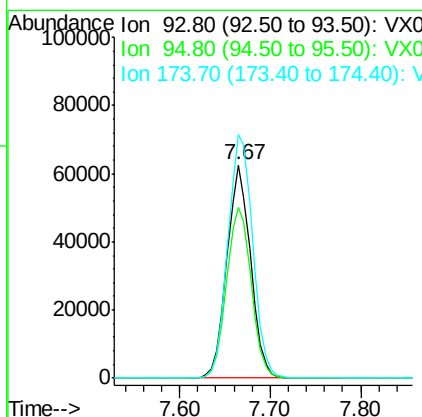
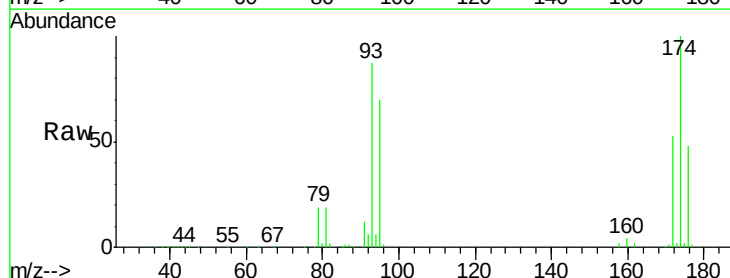
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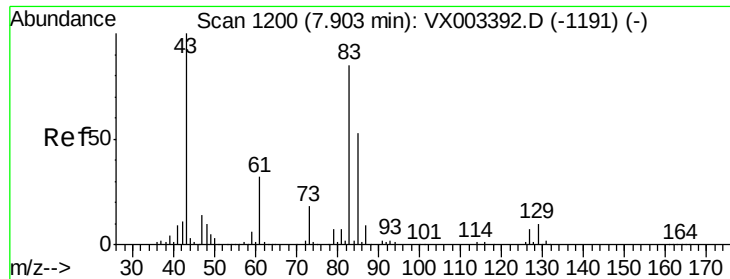
MMDadoda
 7/19/2018 1:04:15 PM



#46
 Dibromomethane
 Concen: 22.74 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.9	98.9
174	119.8	92.4	138.6





#47

Bromodichloromethane

Concen: 23.23 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

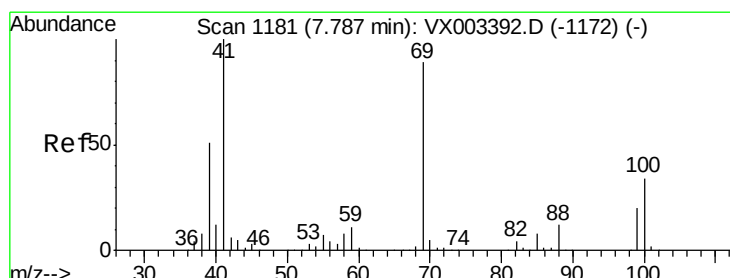
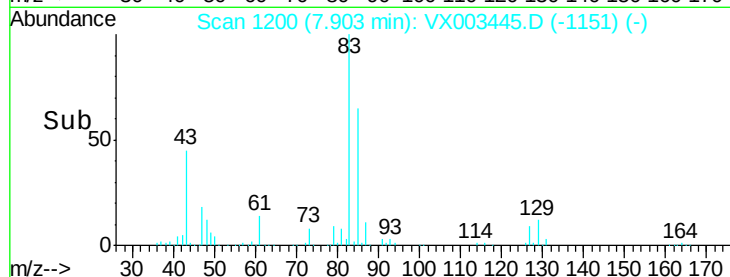
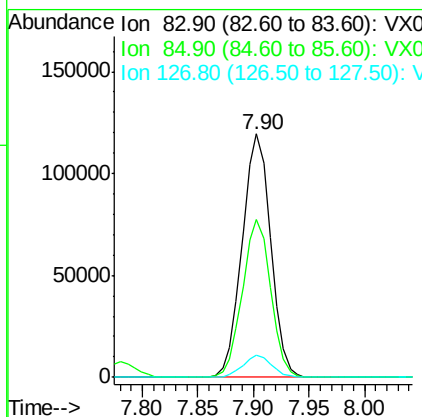
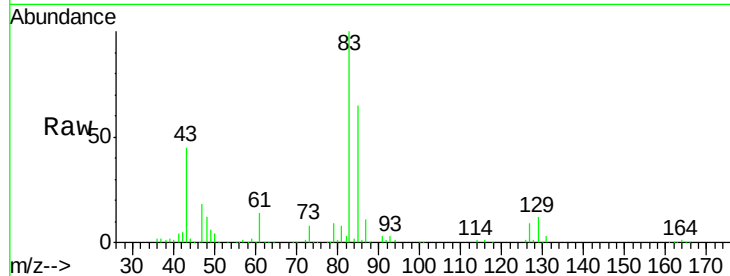
ClientSampleId :

LF1-0034MSD

Tot Ion:	83	Resp:	212838
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.49 ug/l

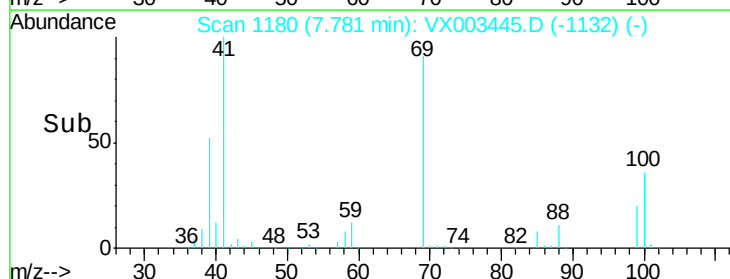
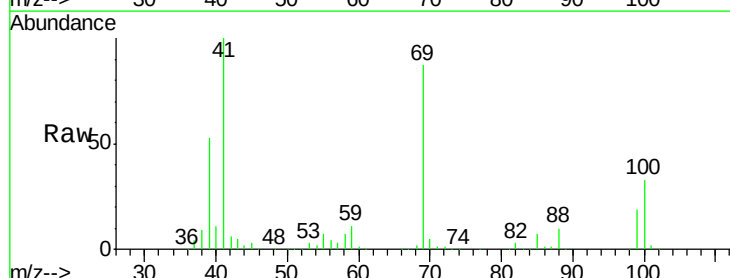
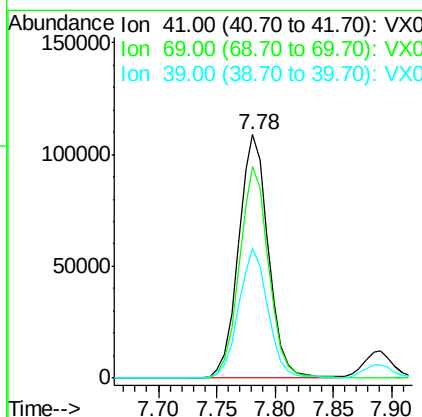
RT: 7.78 min Scan# 1180

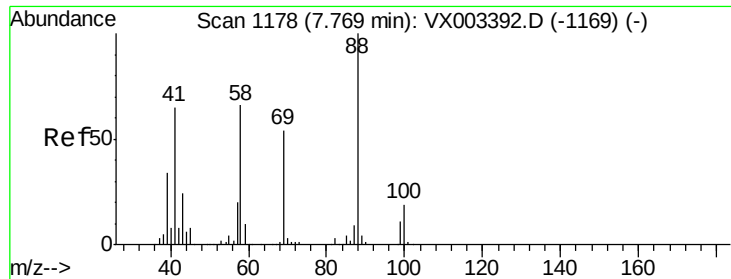
Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Tgt Ion:	41	Resp:	193490
Ion	Ratio	Lower	Upper
41	100		
69	85.7	59.1	88.7
39	52.3	48.9	73.3





#49

1,4-Dioxane

Concen: 455.43 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

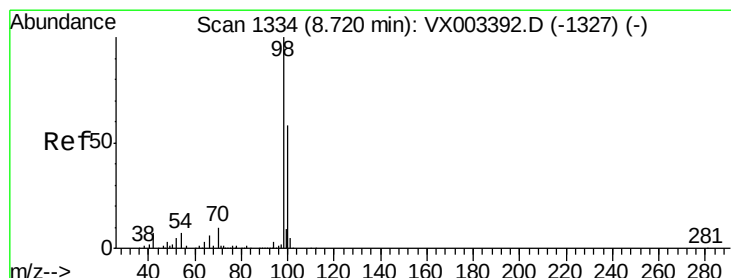
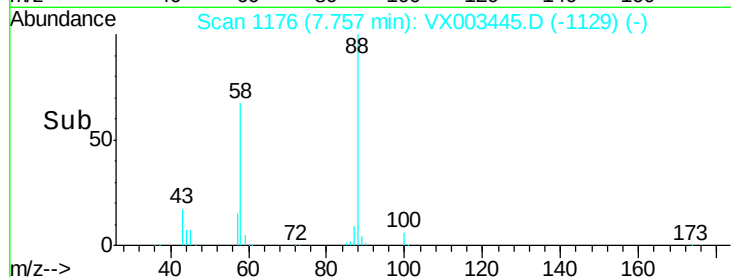
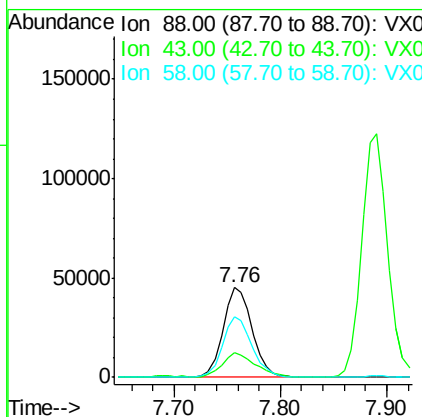
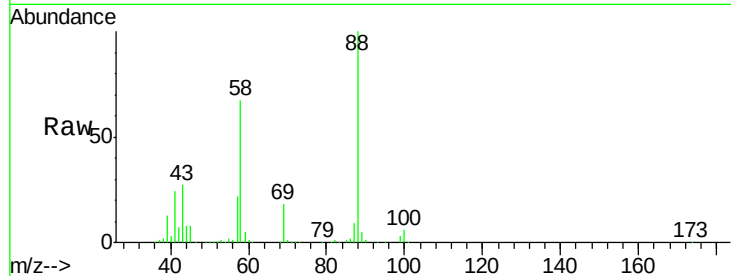
ClientSampleId :

LF1-0034MSD

Tot Ion:	88	Resp:	85898
Ion	Ratio	Lower	Upper
88	100		
43	30.4	29.8	44.6
58	67.7	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 46.70 ug/l

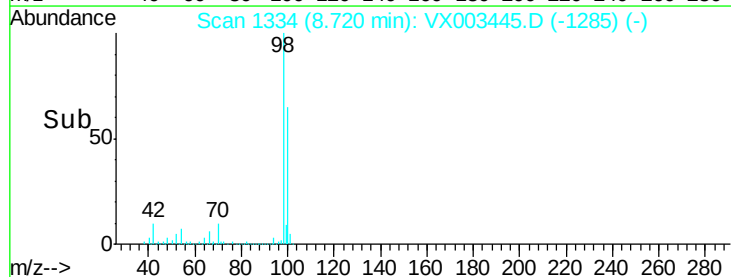
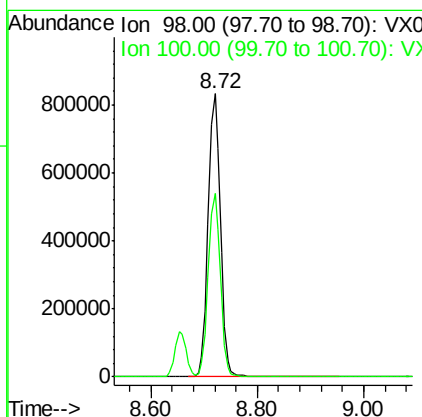
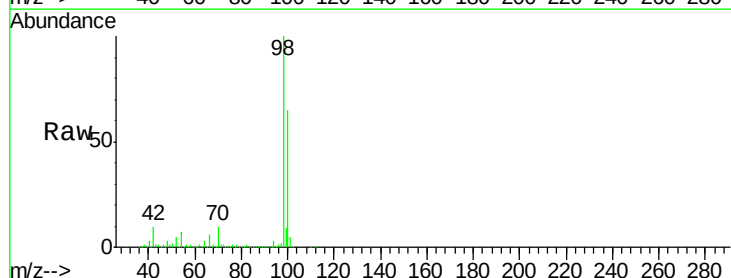
RT: 8.72 min Scan# 1334

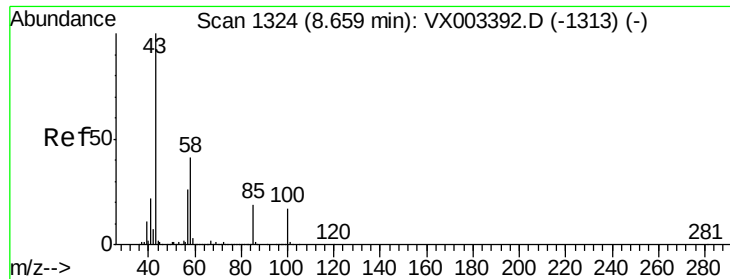
Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Tgt Ion:	98	Resp:	1307369
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.9	76.3





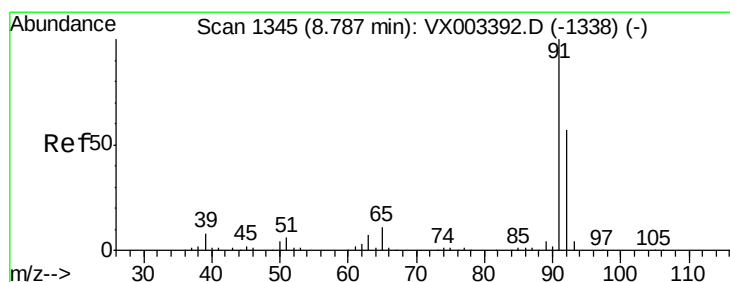
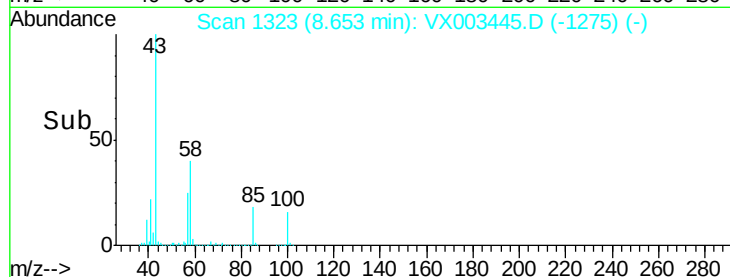
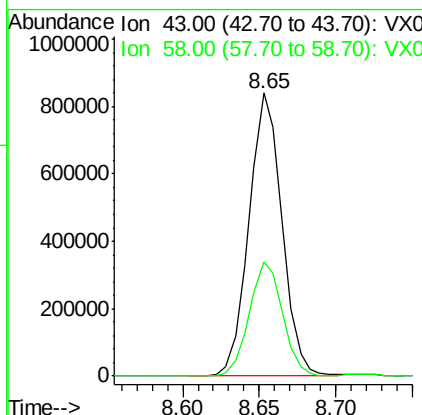
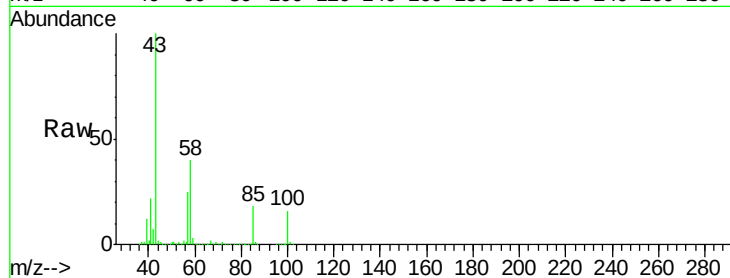
#51
4-Methyl-2-Pentanone
Concen: 118.48 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion: 43 Resp: 1259290
Ion Ratio Lower Upper
43 100
58 40.7 28.6 42.8

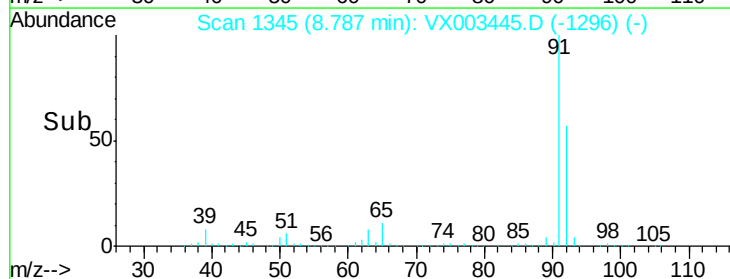
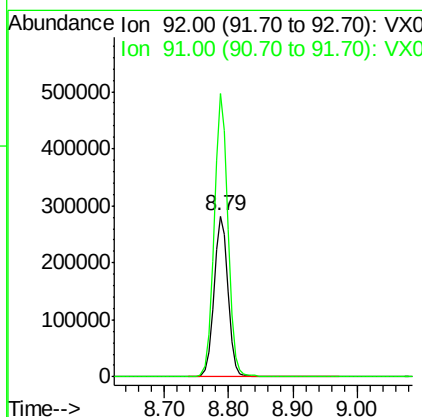
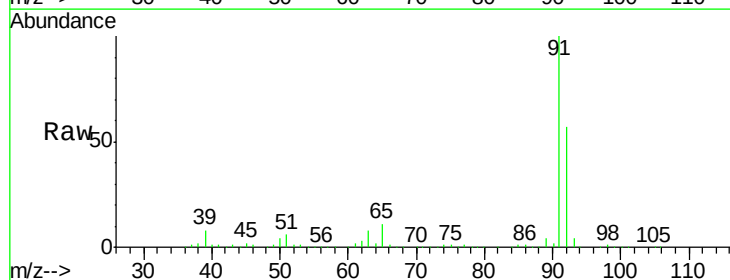
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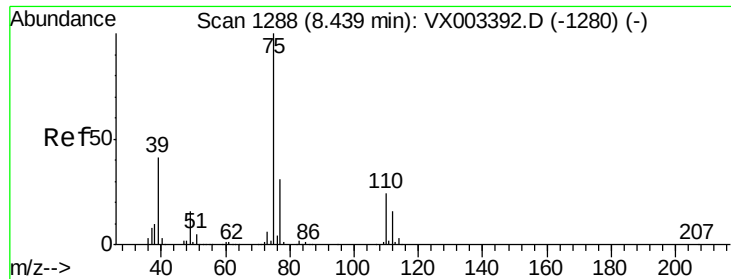
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#52
Toluene
Concen: 23.91 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion: 92 Resp: 432405
Ion Ratio Lower Upper
92 100
91 173.5 140.4 210.6





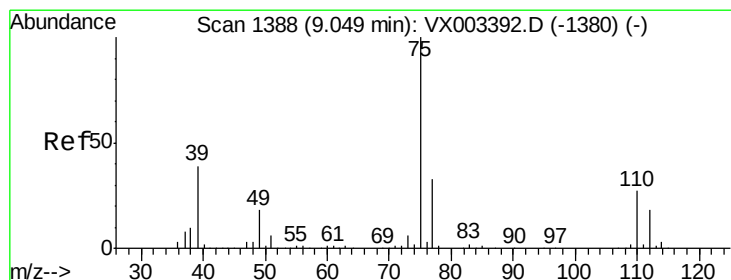
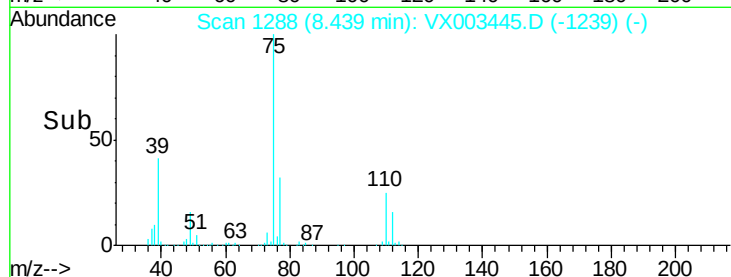
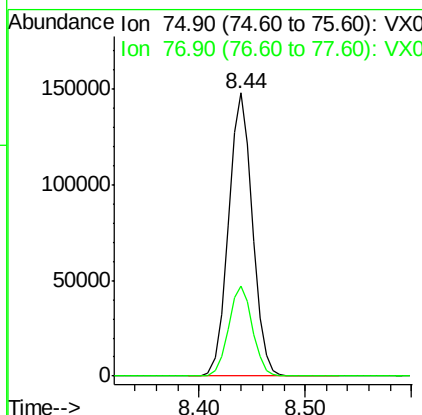
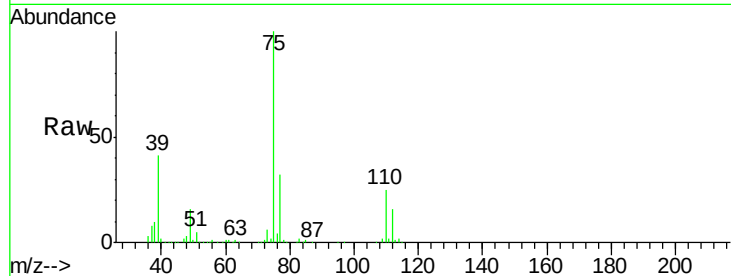
#53
 t-1,3-Dichloropropene
 Concen: 21.56 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2

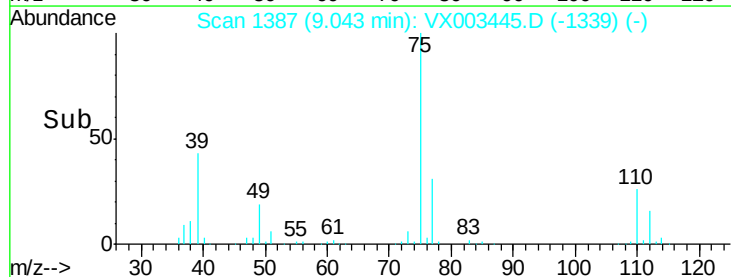
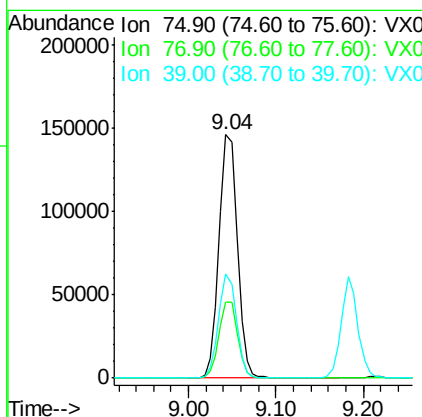
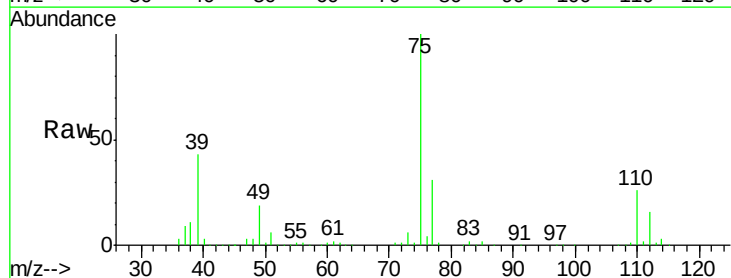
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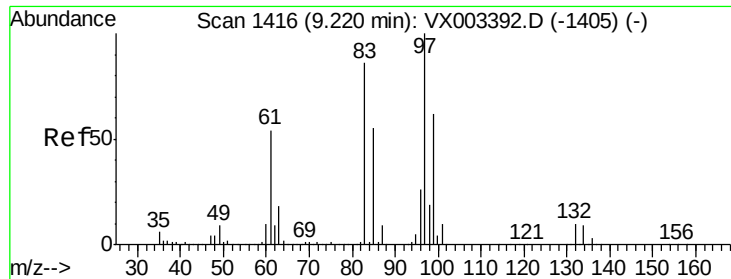
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#54
 cis-1,3-Dichloropropene
 Concen: 21.51 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	42.7	42.4	63.6





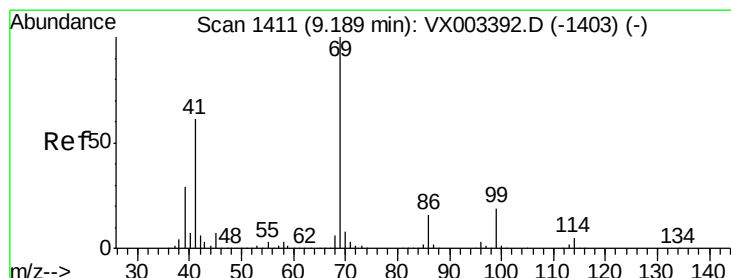
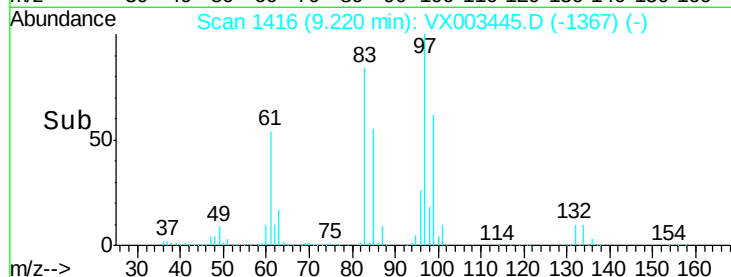
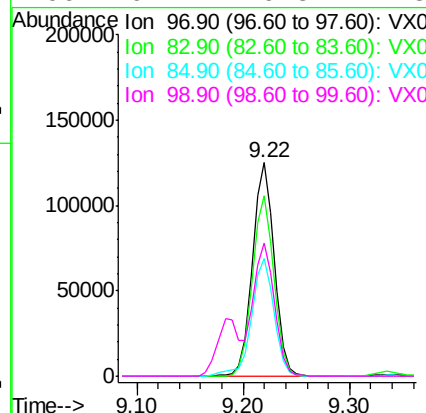
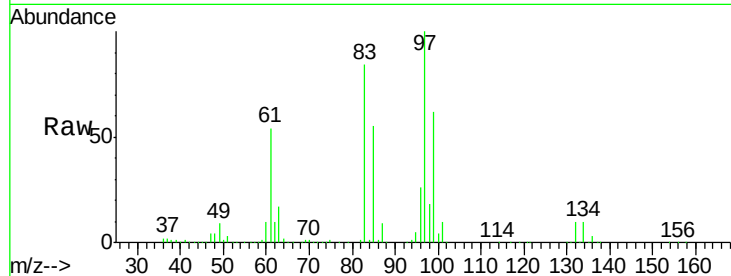
#55
 1,1,2-Trichloroethane
 Concen: 23.80 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
97	100	179845		
83	84.3	70.2	105.2	
85	54.9	44.9	67.3	
99	62.1	49.8	74.8	

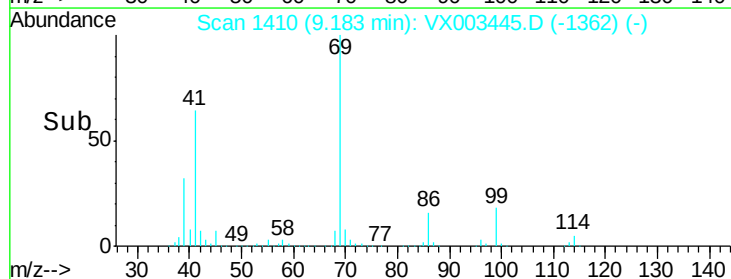
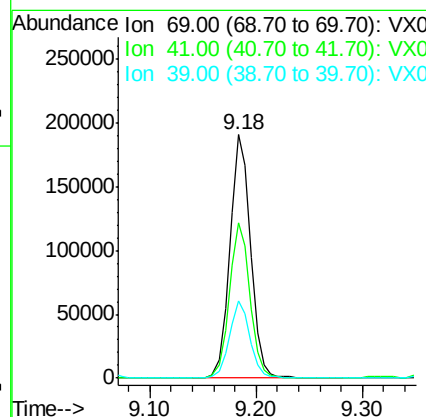
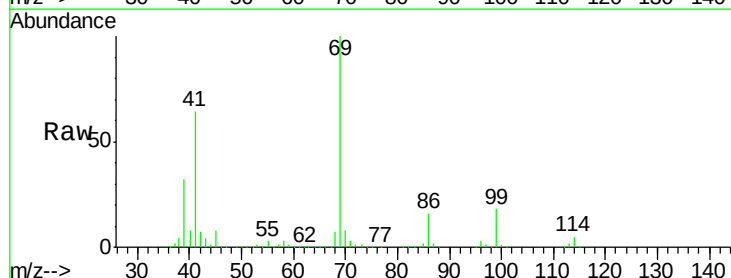
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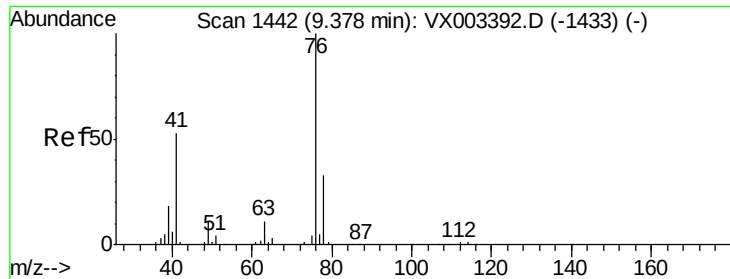
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#56
 Ethyl methacrylate
 Concen: 24.31 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	260034		
41	63.2	60.3	90.5	
39	31.4	35.8	53.8	





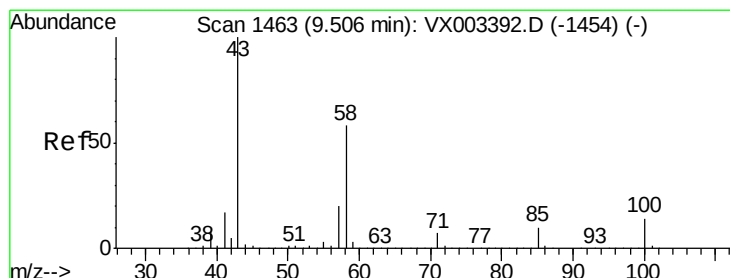
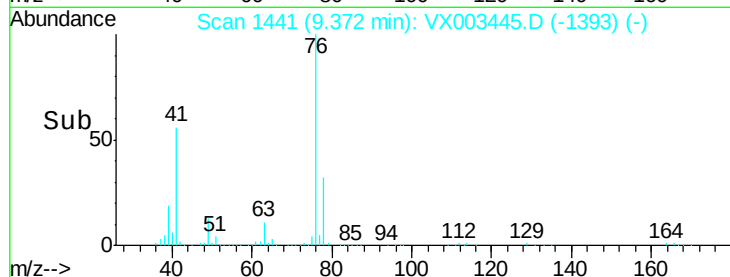
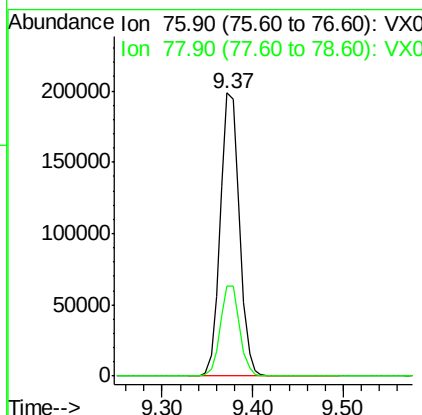
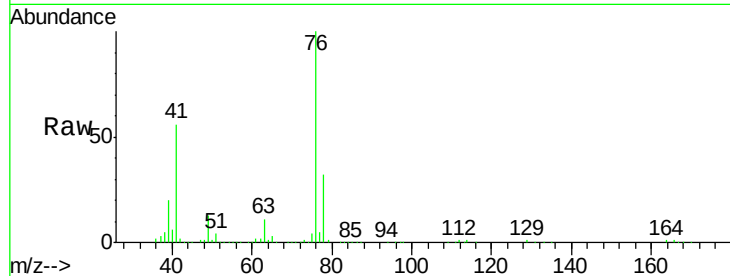
#57
 1,3-Dichloropropane
 Concen: 24.09 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

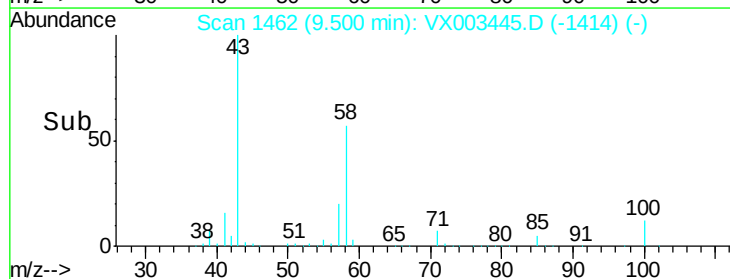
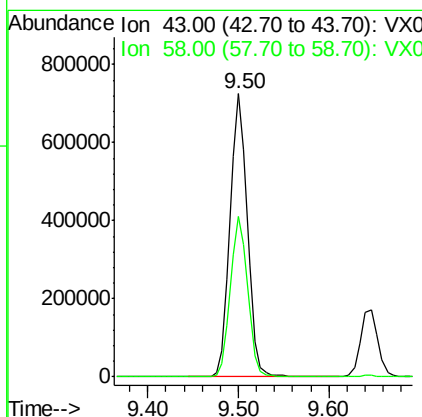
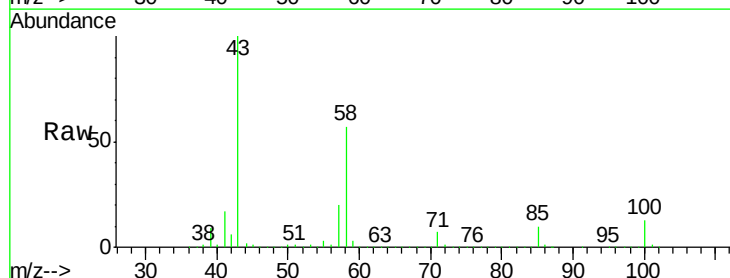
Manual Integrations
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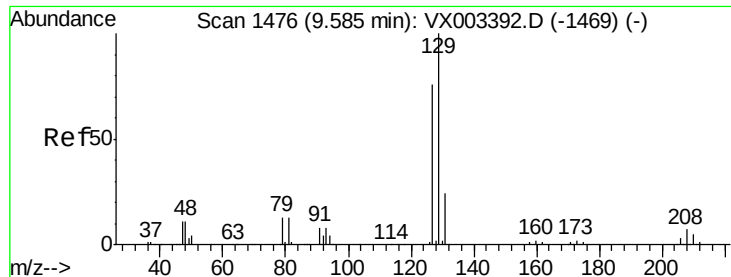
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#59
 2-Hexanone
 Concen: 118.32 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.7	24.6	73.6





#60

Dibromochloromethane

Concen: 24.55 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MSD

Tot Ion:129 Resp: 184315

Ion Ratio Lower Upper

129 100

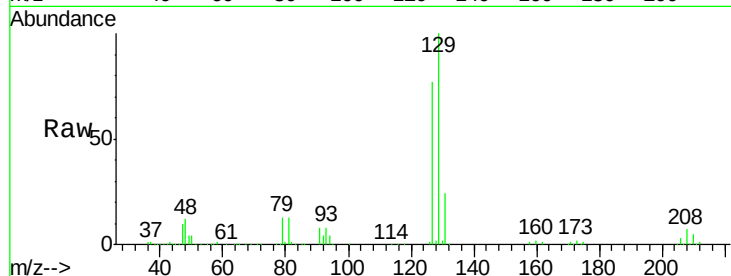
127 77.2 38.5 115.3

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

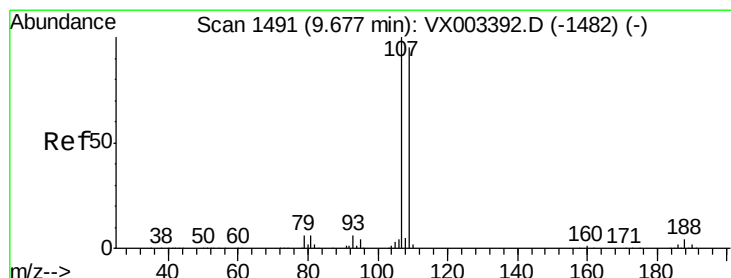
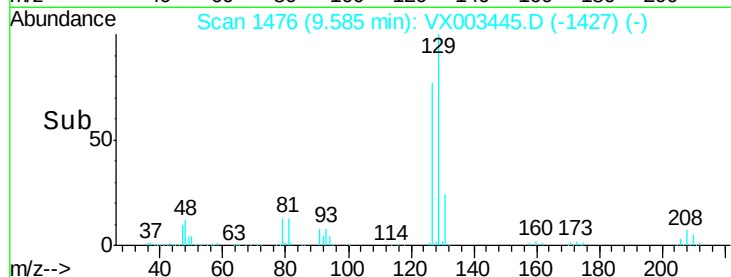
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65



#61

1,2-Dibromoethane

Concen: 23.90 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003445.D

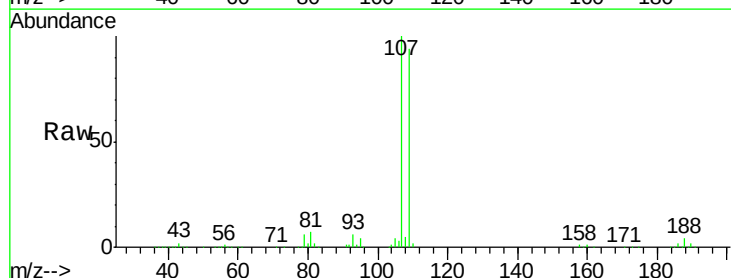
Acq: 18 Jul 2018 14:15

Tgt Ion:107 Resp: 186145

Ion Ratio Lower Upper

107 100

109 95.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

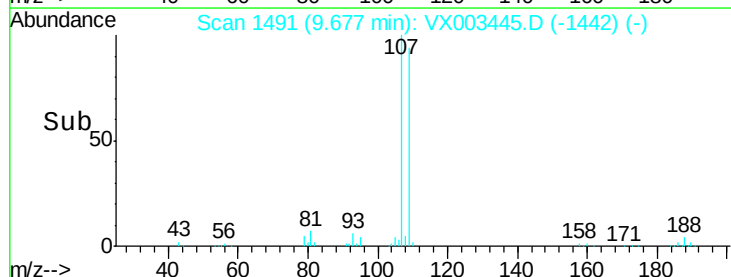
150000

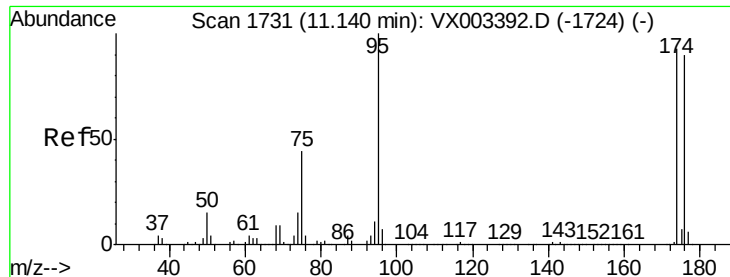
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





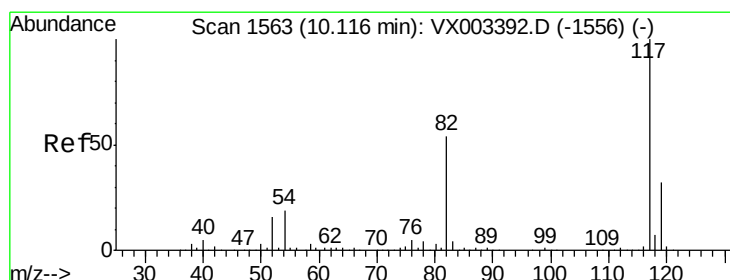
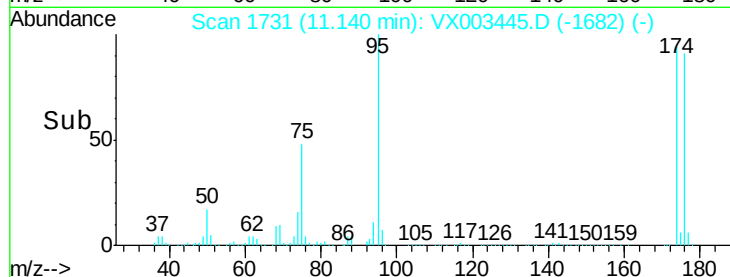
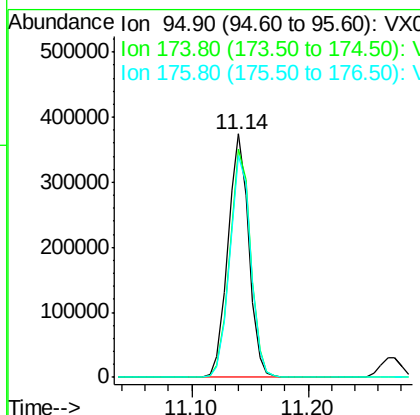
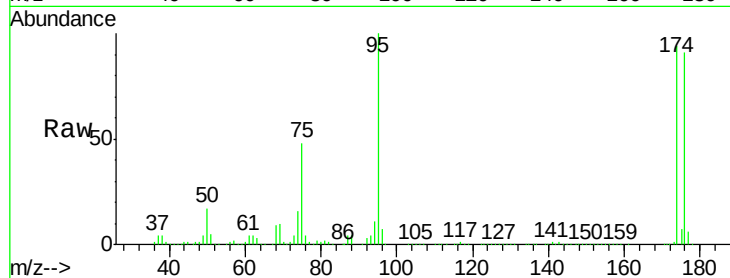
#62
4-Bromofluorobenzene
Concen: 46.32 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	462911		
174	94.8	0.0	187.4	
176	92.5	0.0	181.0	

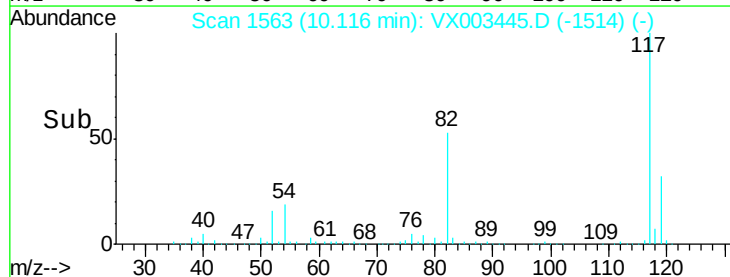
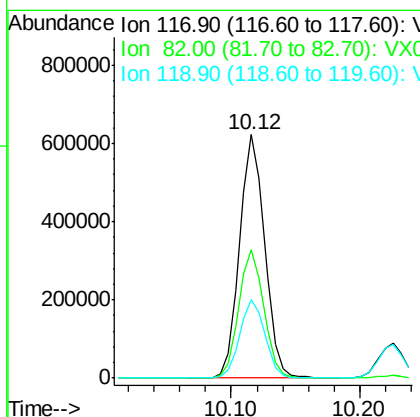
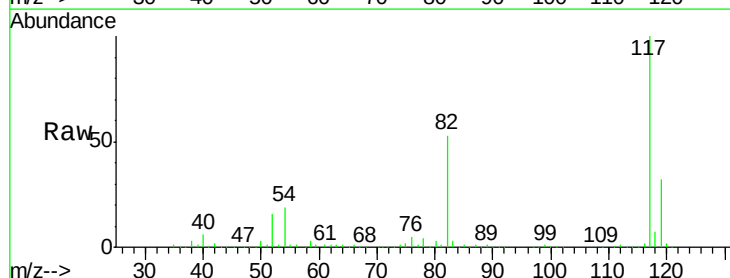
Manual Integrations
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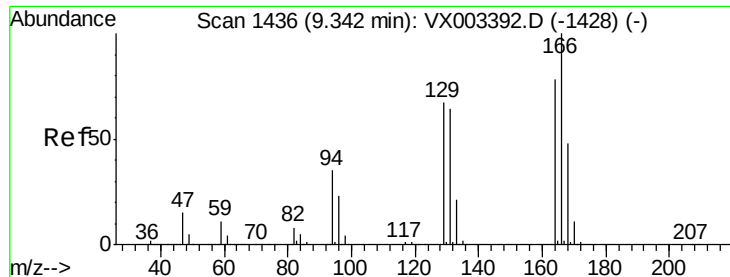
MMDadoda
7/19/2018 1:04:15 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	838513		
82	52.9	45.0	67.4	
119	32.1	25.8	38.6	





#64

Tetrachloroethene

Concen: 23.80 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion:164 Resp: 208760

Ion Ratio Lower Upper

164 100

166 125.7 102.9 154.3

129 88.5 68.6 102.8

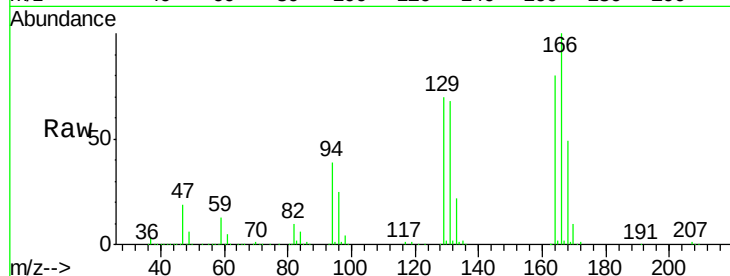
131 85.8 66.8 100.2

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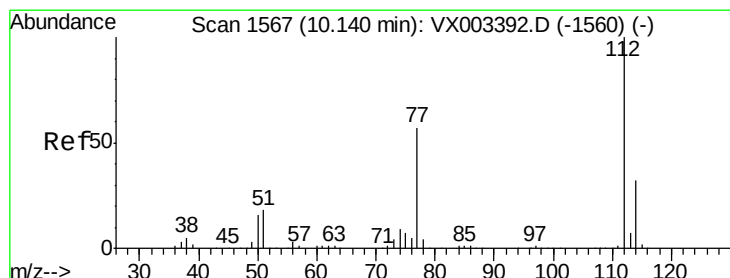
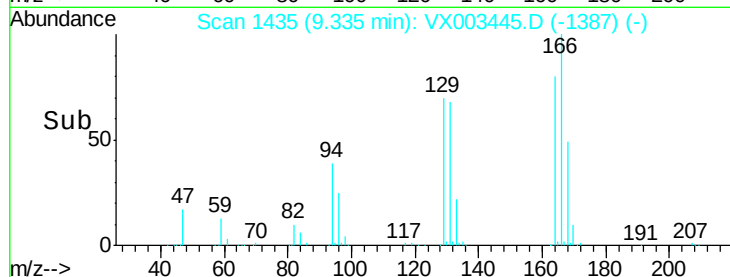
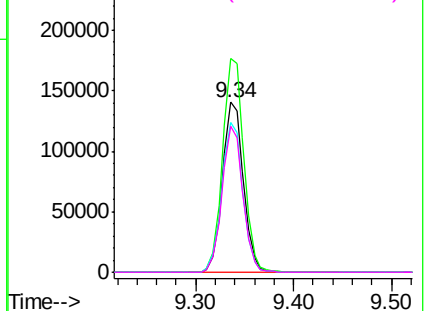


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 24.68 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003445.D

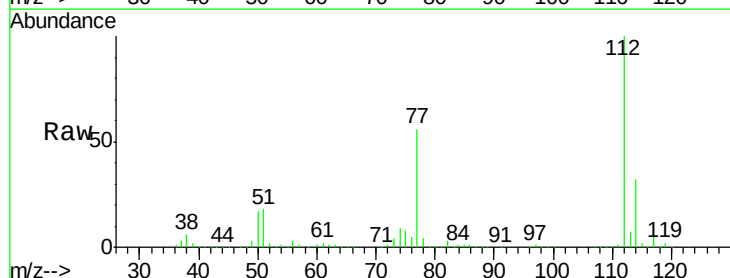
Acq: 18 Jul 2018 14:15

Tgt Ion:112 Resp: 488810

Ion Ratio Lower Upper

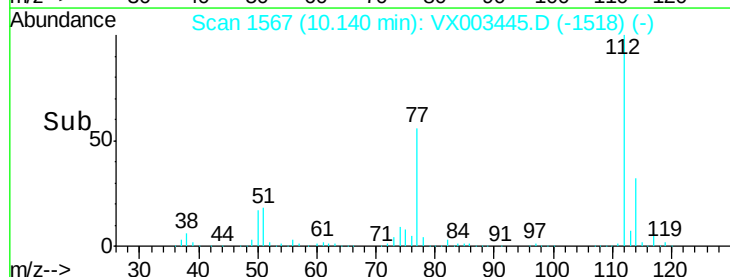
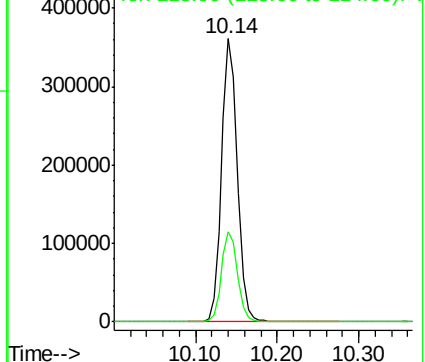
112 100

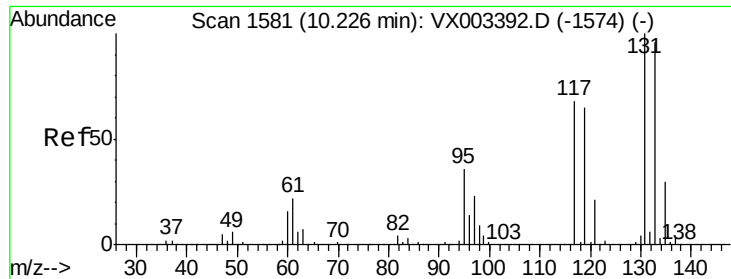
114 32.0 25.3 37.9



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: 25.30 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion:131 Resp: 178154
Ion Ratio Lower Upper

131 100

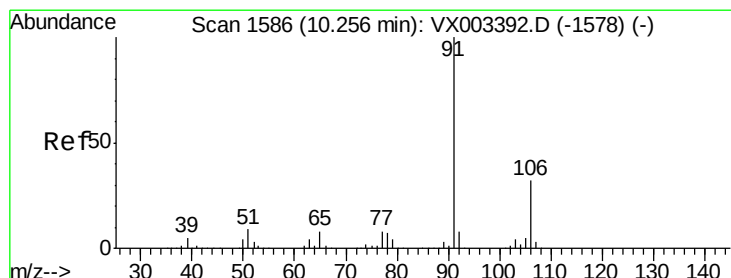
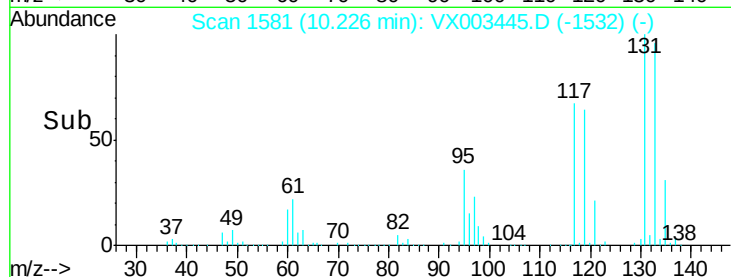
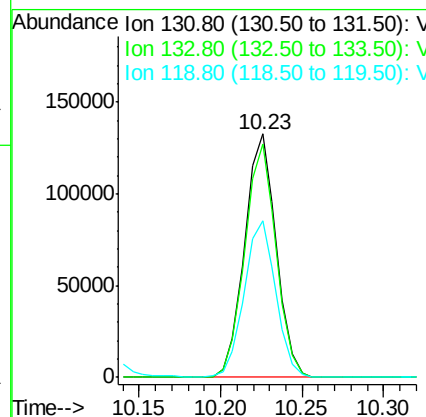
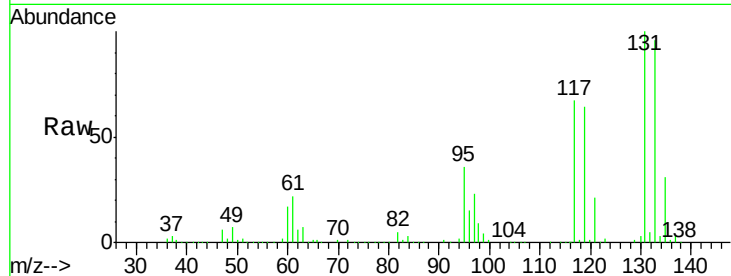
133 95.3 47.9 143.6

119 64.5 31.8 95.3

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#67

Ethyl Benzene

Concen: 24.96 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

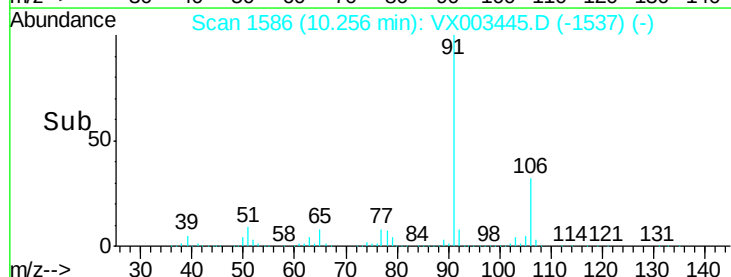
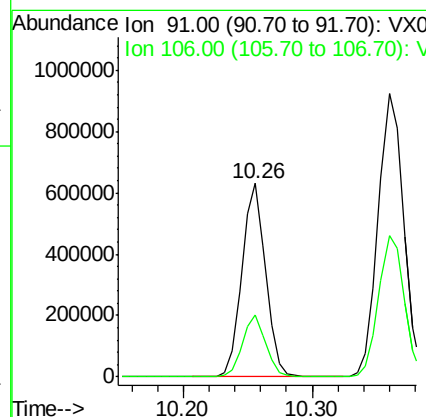
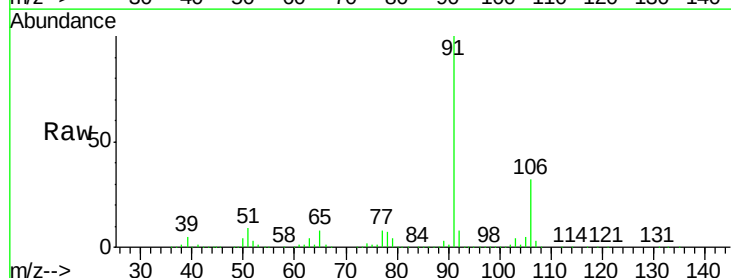
Lab File: VX003445.D

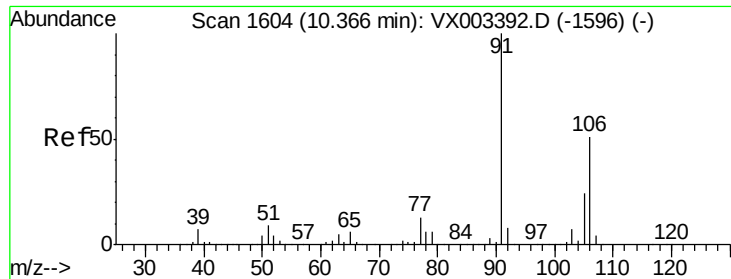
Acq: 18 Jul 2018 14:15

Tgt Ion: 91 Resp: 808231
Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3





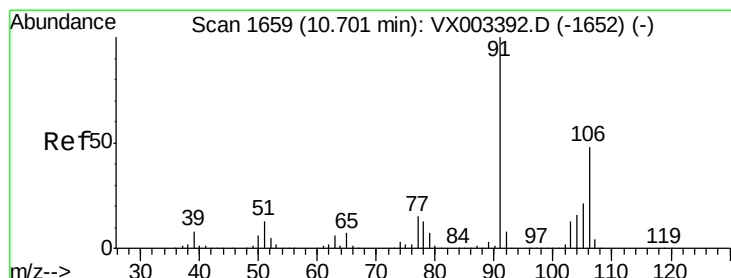
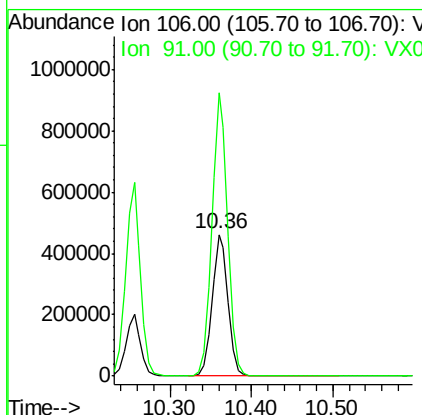
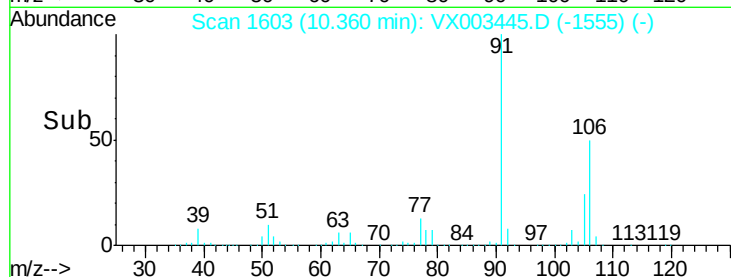
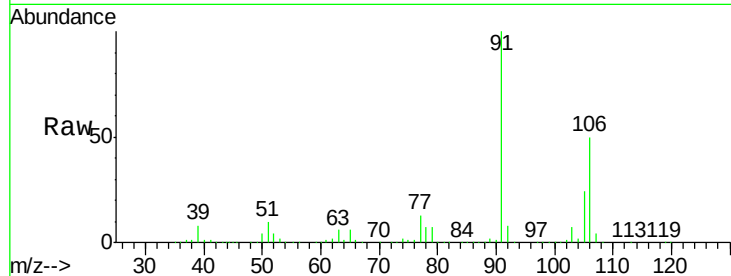
#68
m/p-Xylenes
Concen: 50.68 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion:106 Resp: 634645
Ion Ratio Lower Upper
106 100
91 198.3 163.4 245.2

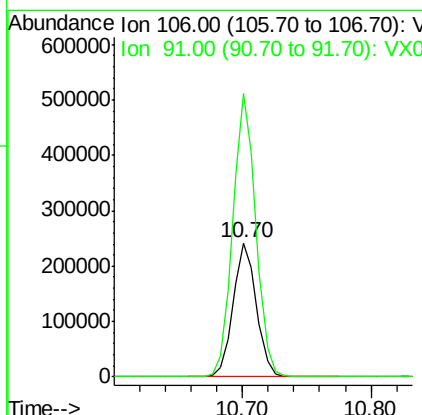
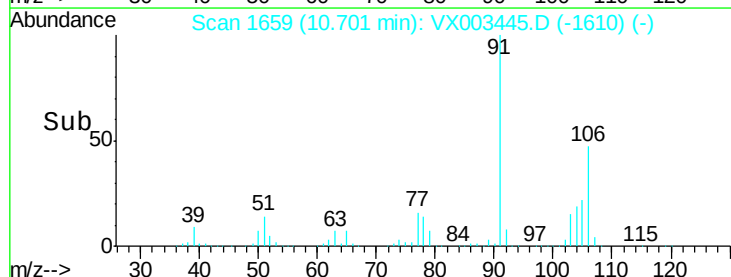
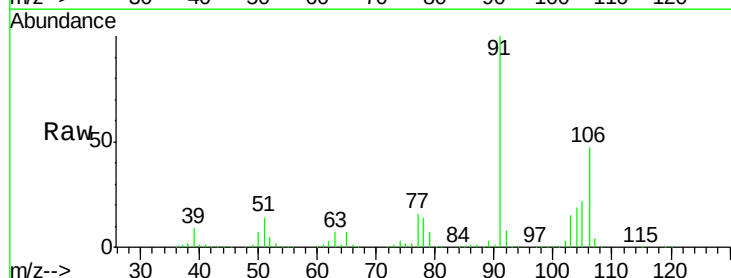
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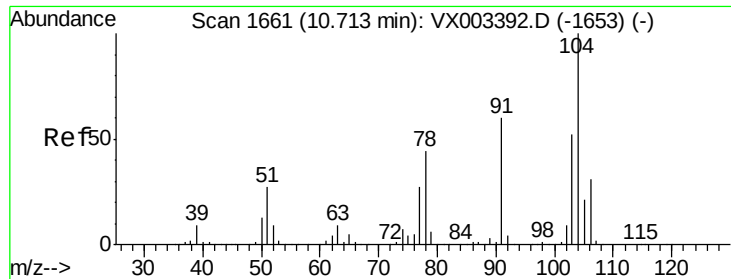
MMDadoda
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#69
o-Xylene
Concen: 25.23 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion:106 Resp: 303445
Ion Ratio Lower Upper
106 100
91 209.8 108.2 324.6





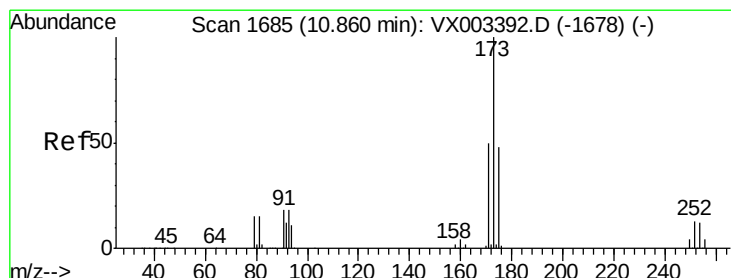
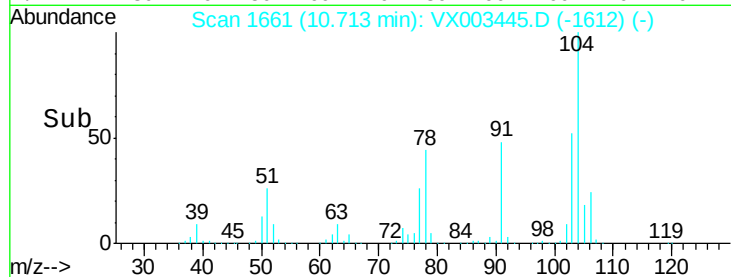
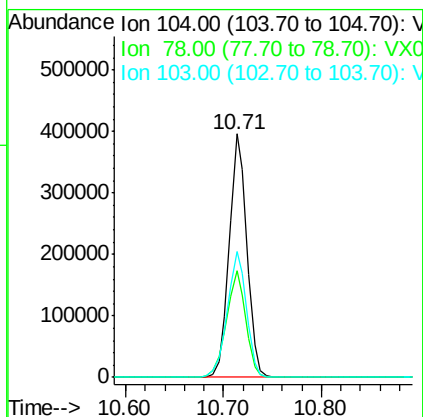
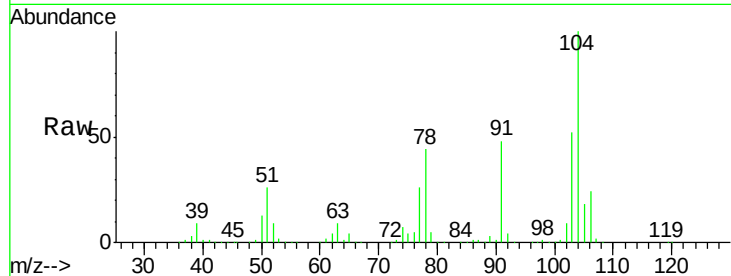
#70
Stvrene
Concen: 25.18 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	41.0	61.6
103	55.9	44.2	66.4

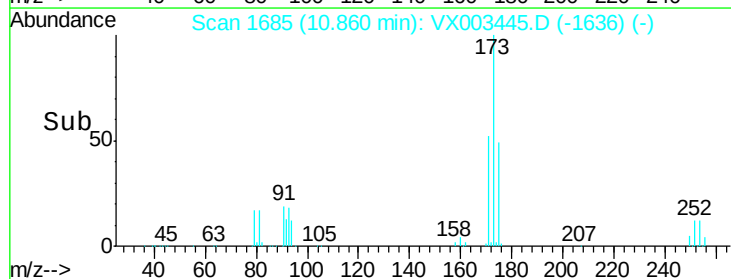
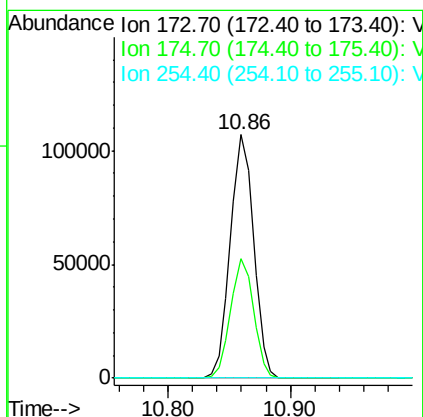
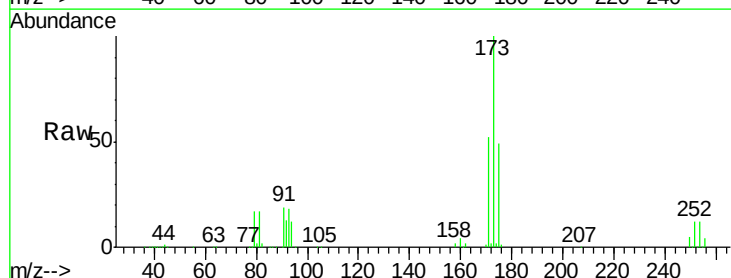
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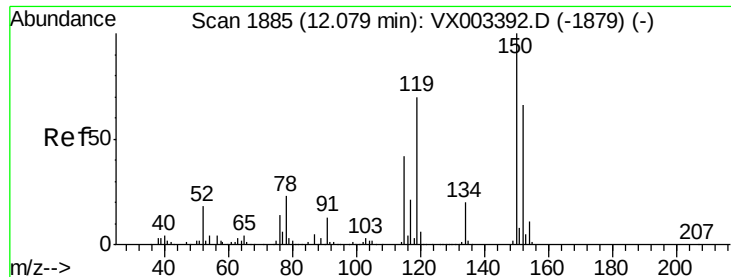
MMDadoda
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#71
Bromoform
Concen: 24.89 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion:152 Resp: 497009

Ion Ratio Lower Upper

152 100

115 64.8 40.1 120.2

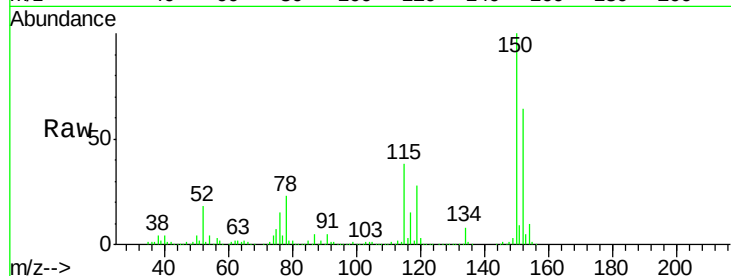
150 163.7 0.0 347.2

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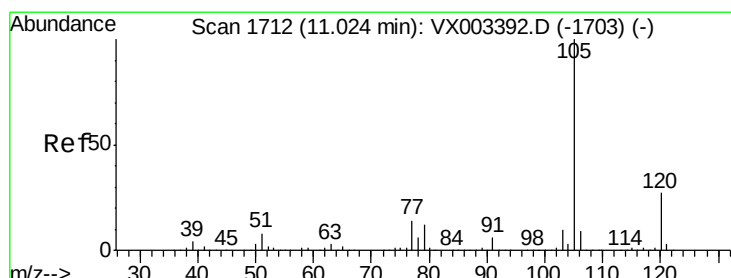
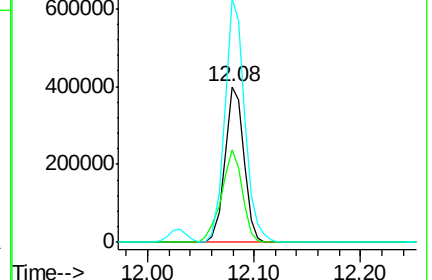
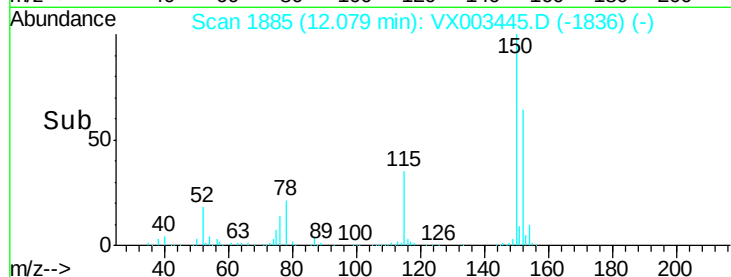
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 25.16 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003445.D

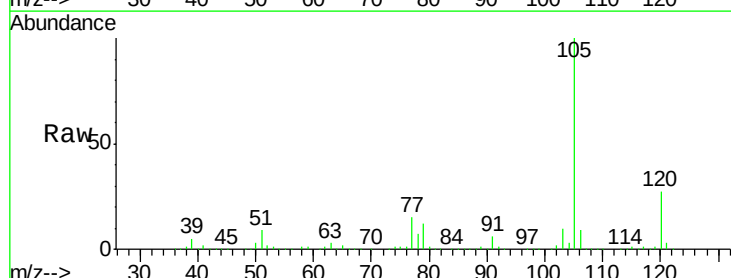
Acq: 18 Jul 2018 14:15

Tgt Ion:105 Resp: 800720

Ion Ratio Lower Upper

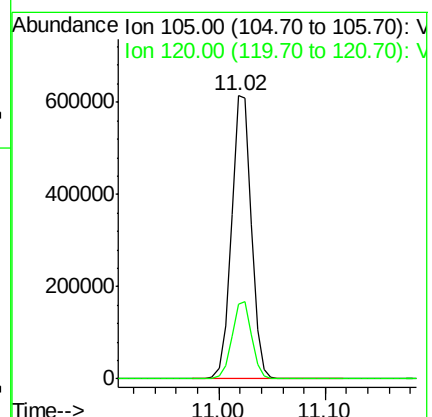
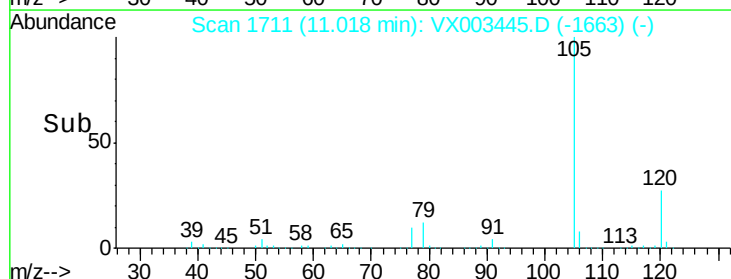
105 100

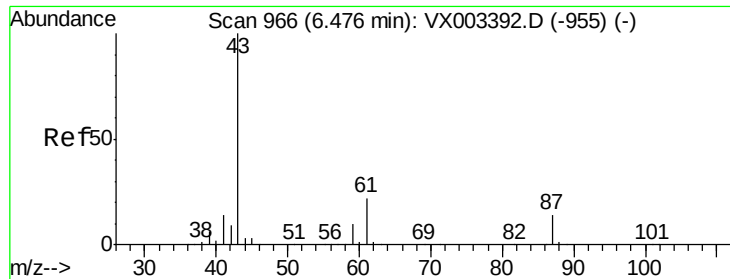
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 21.01 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

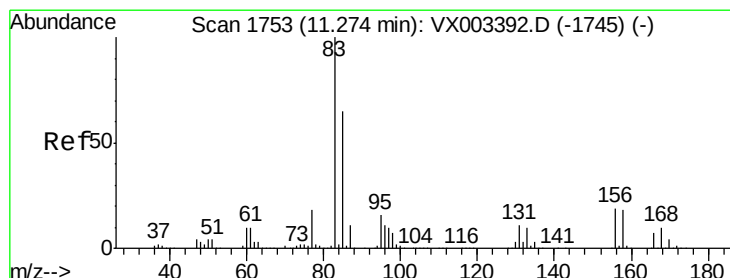
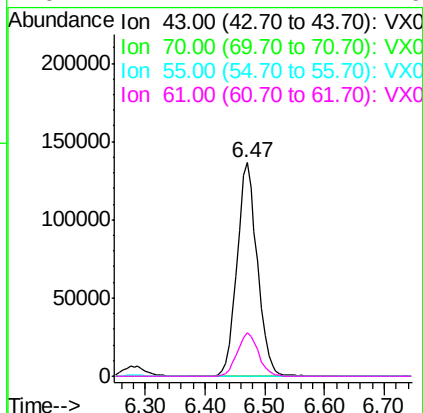
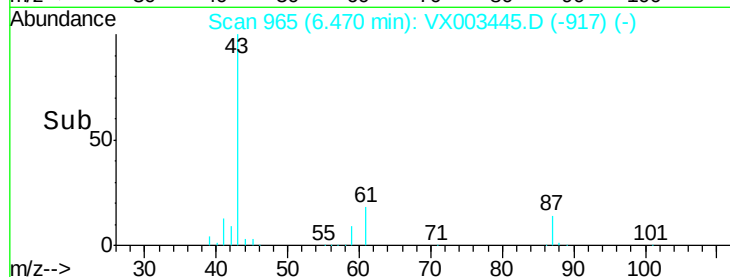
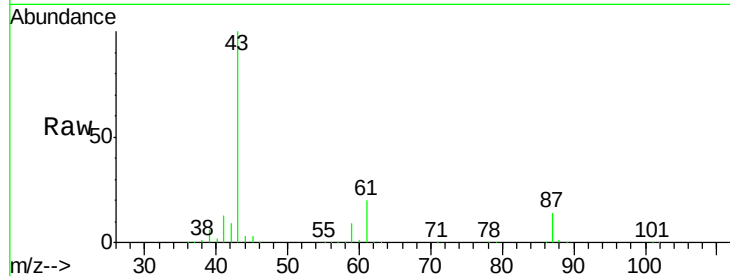
ClientSampleId :

LF1-0034MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	0.0	0.0	0.0	
55	0.1	0.0	0.0	
61	21.2	14.4	21.6	

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#75

1,1,2,2-Tetrachloroethane

Concen: 24.44 ug/l

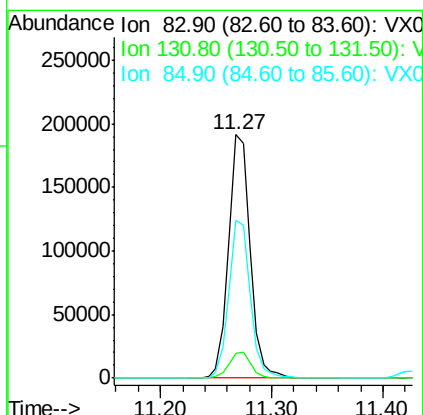
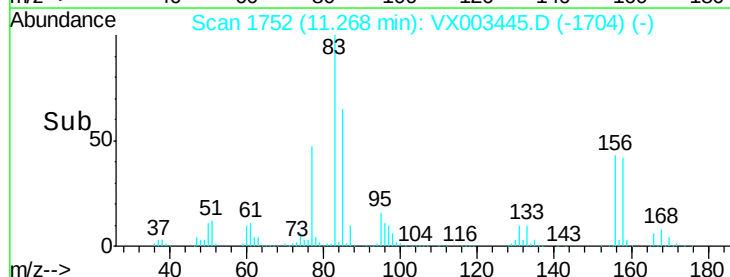
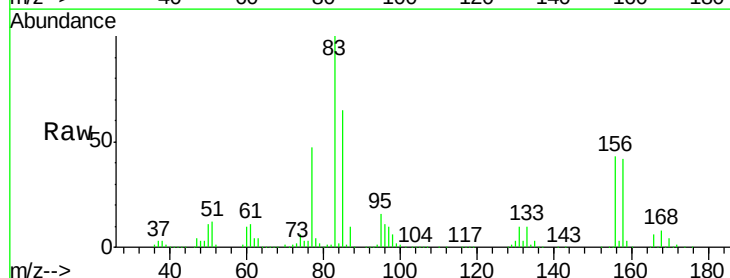
RT: 11.27 min Scan# 1752

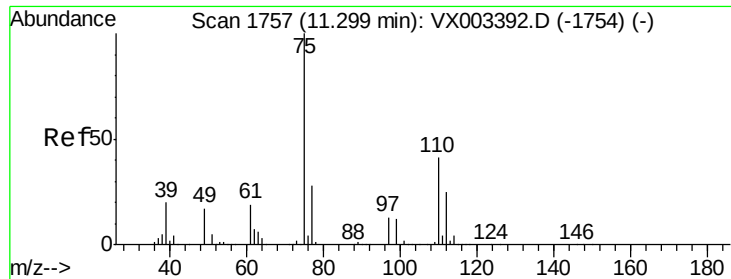
Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.6	5.6	16.8	
85	64.7	32.4	97.2	





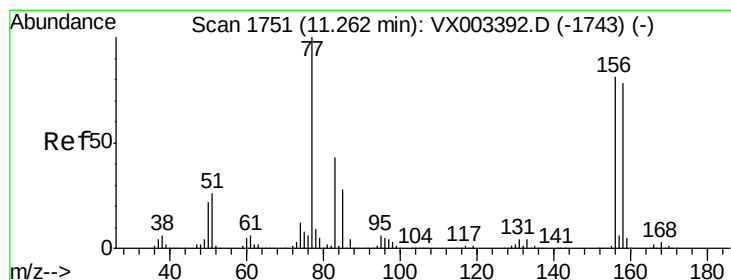
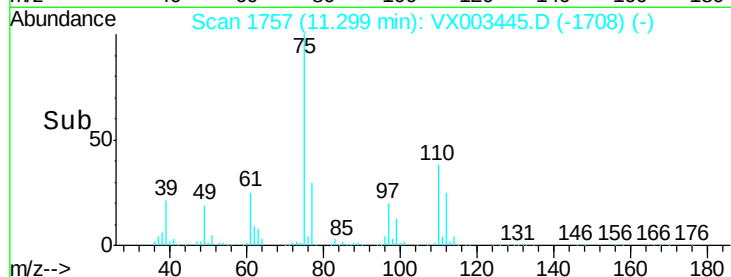
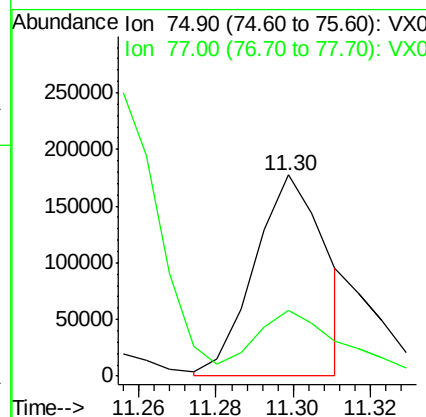
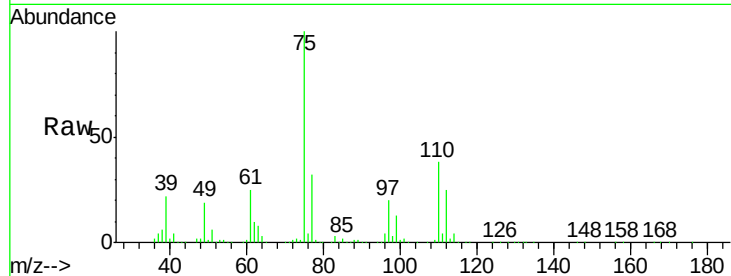
#76
 1,2,3-Trichloropropane
 Concen: 25.18 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion: 75 Resp: 226517
 Ion Ratio Lower Upper
 75 100
 77 40.1 22.8 68.3

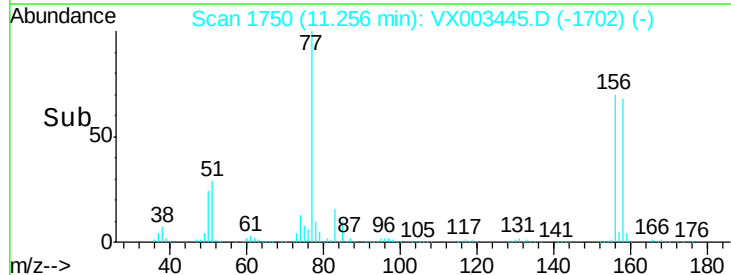
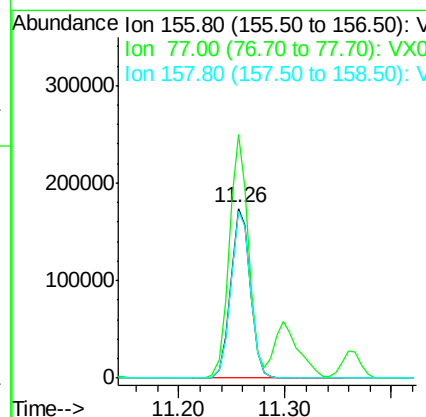
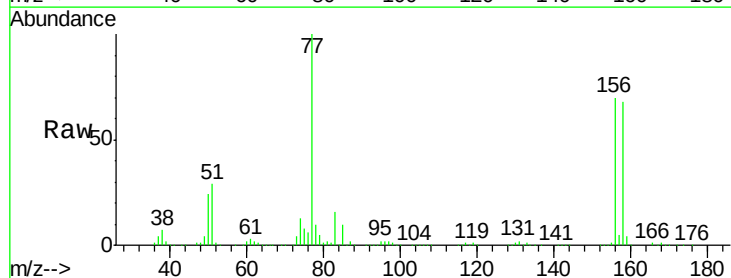
Manual Integrations
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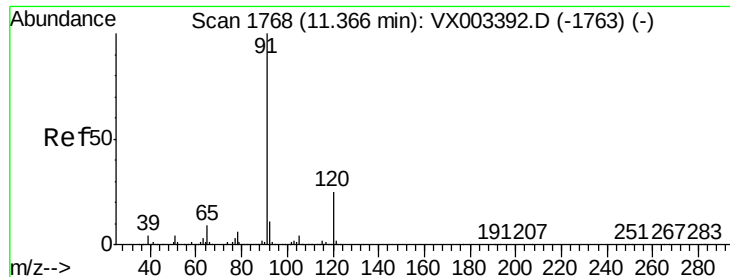
MMDadoda
 7/19/2018 1:04:15 PM



#77
 Bromobenzene
 Concen: 24.79 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion: 156 Resp: 224106
 Ion Ratio Lower Upper
 156 100
 77 140.1 71.4 214.2
 158 97.9 48.9 146.6





#78

n-propylbenzene

Concen: 25.37 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion: 91 Resp: 902025

Ion Ratio Lower Upper

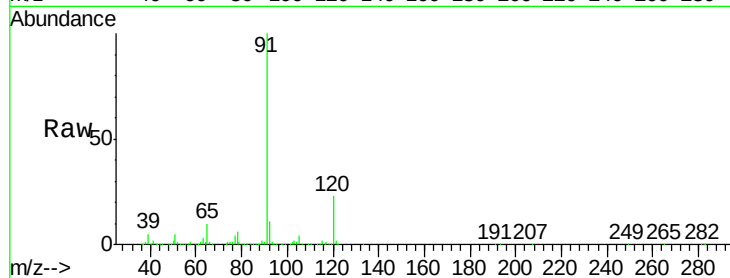
91 100

120 24.2 11.8 35.4

Manual Integrations
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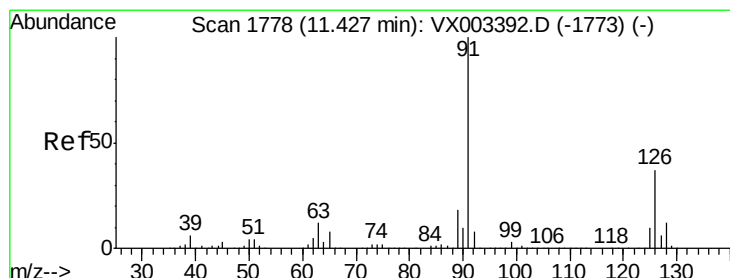
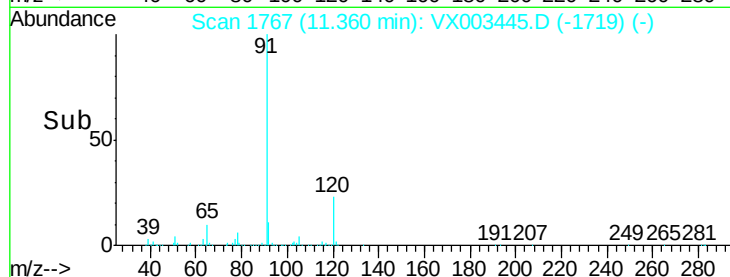
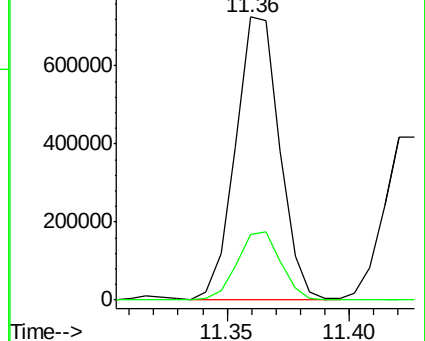
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 25.15 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003445.D

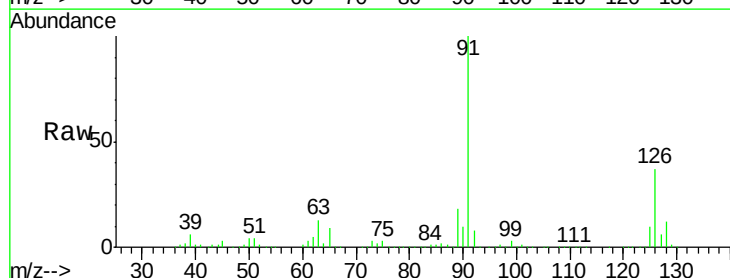
Acq: 18 Jul 2018 14:15

Tgt Ion: 91 Resp: 548252

Ion Ratio Lower Upper

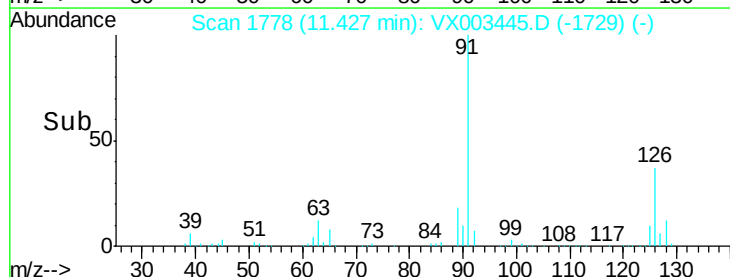
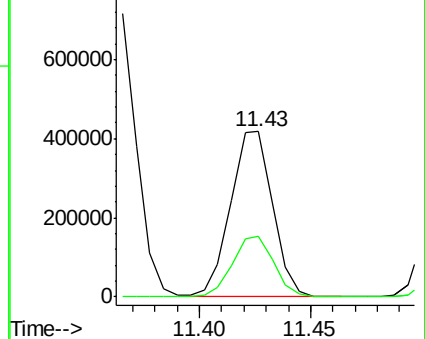
91 100

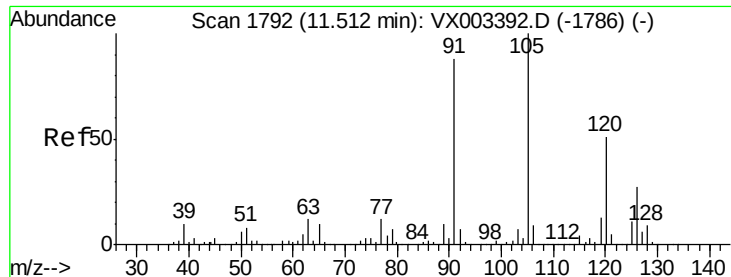
126 36.3 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 26.02 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MSD

Tot Ion:105 Resp: 676398

Ion Ratio Lower Upper

105 100

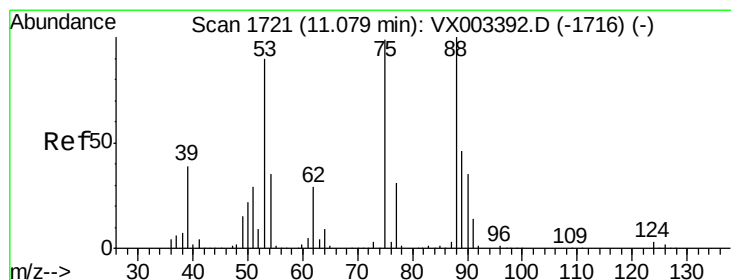
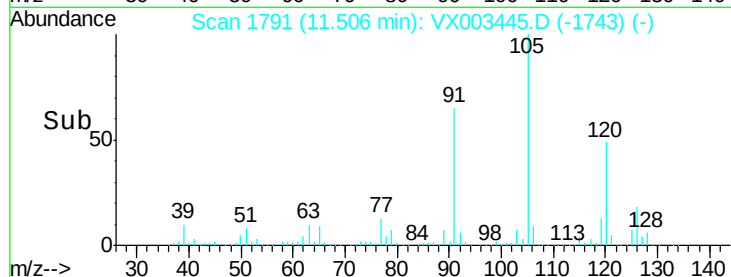
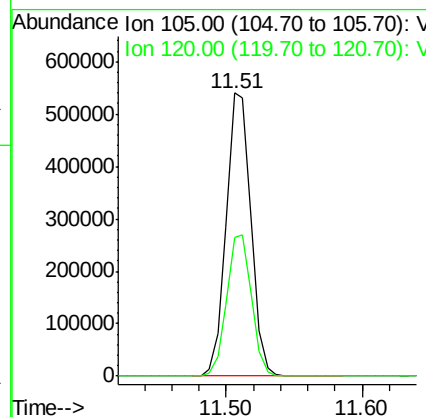
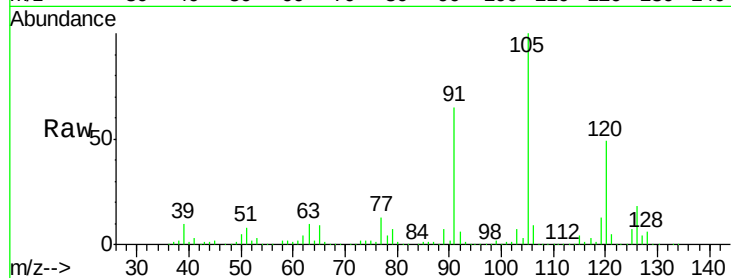
120 50.2 24.4 73.4

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 19.65 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

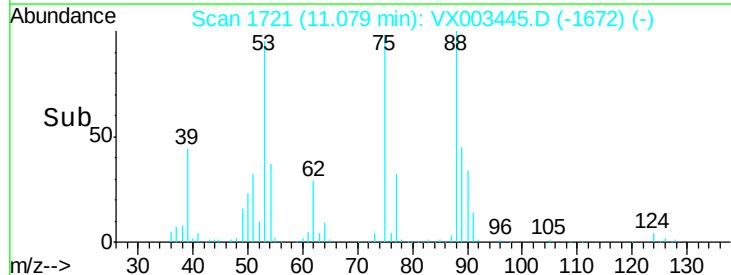
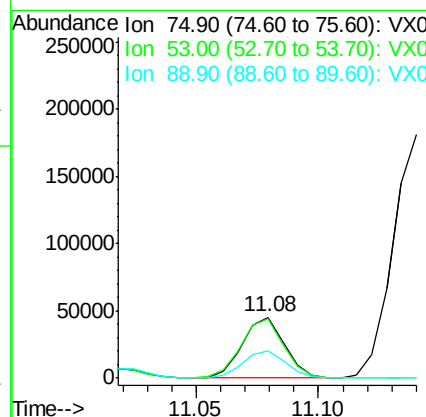
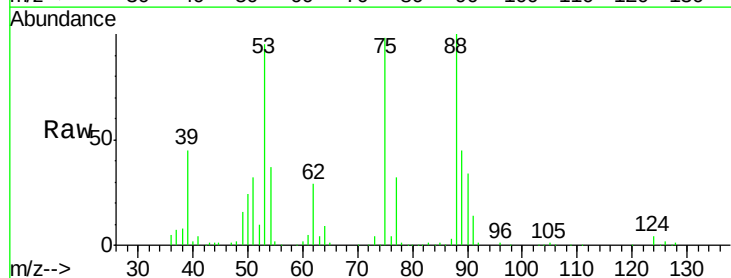
Tgt Ion: 75 Resp: 54416

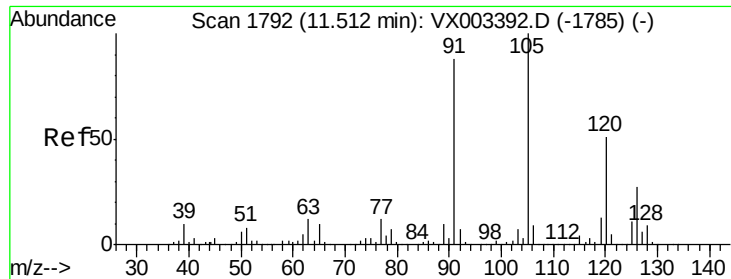
Ion Ratio Lower Upper

75 100

53 98.0 86.8 130.2

89 46.9 38.2 57.2





#82

4-Chlorotoluene

Concen: 25.45 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MSD

Tot Ion: 91 Resp: 647320

Ion Ratio Lower Upper

91 100

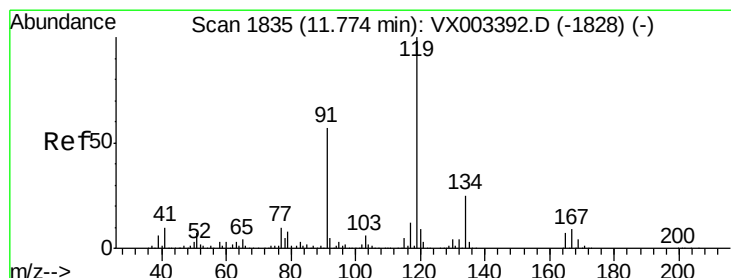
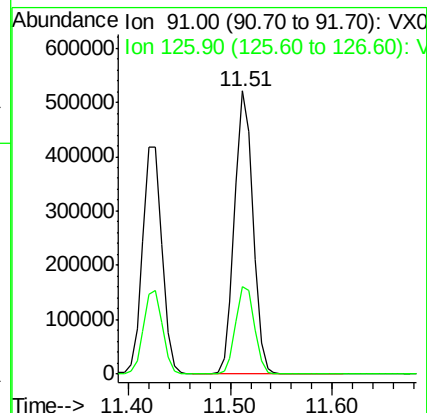
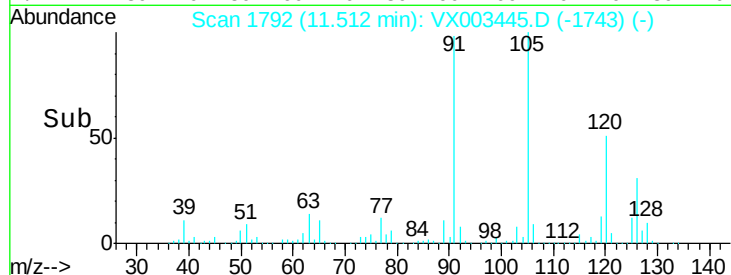
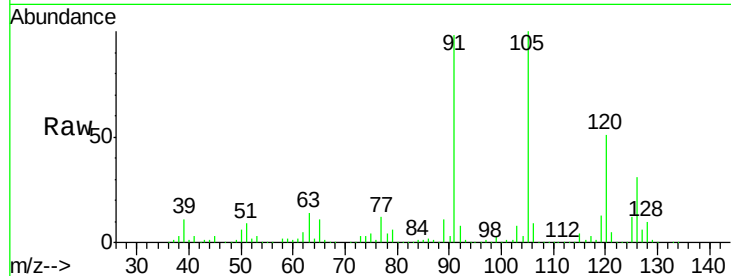
126 31.9 15.4 46.4

Manual Integrations

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#83

tert-Butylbenzene

Concen: 26.40 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003445.D

Acq: 18 Jul 2018 14:15

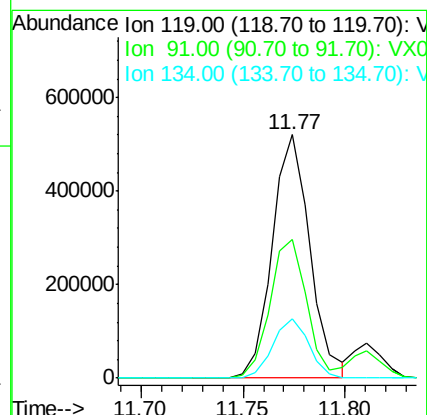
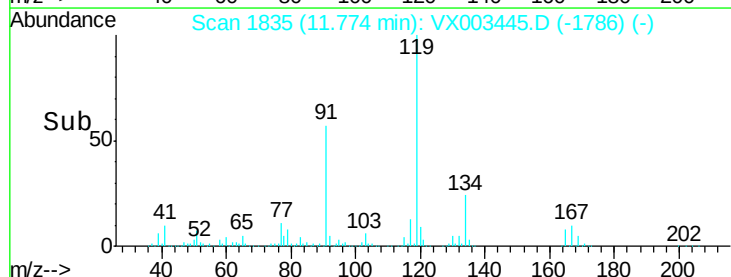
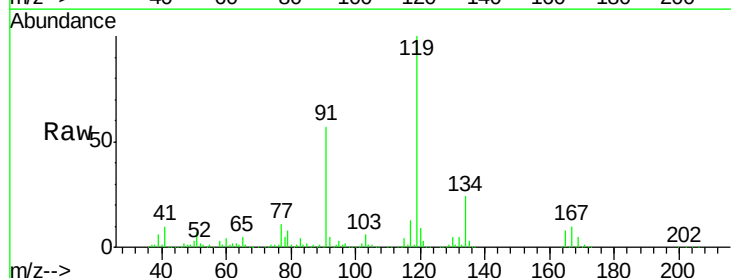
Tgt Ion: 119 Resp: 670720

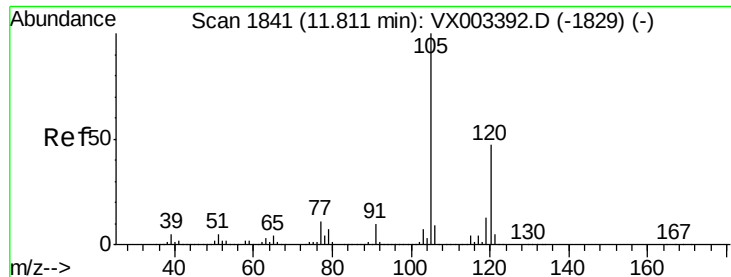
Ion Ratio Lower Upper

119 100

91 55.2 30.3 90.9

134 23.5 11.7 35.1





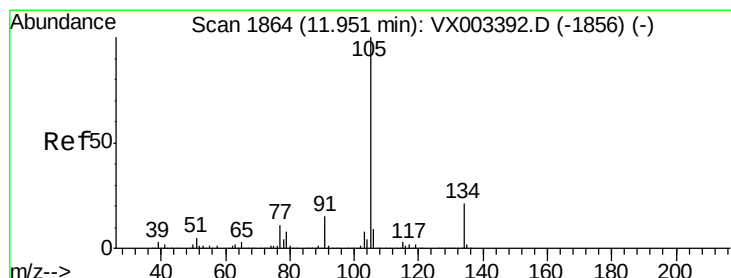
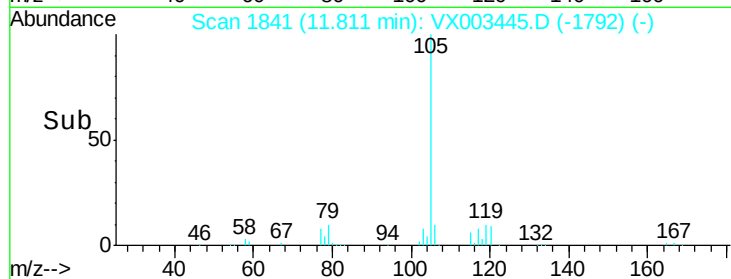
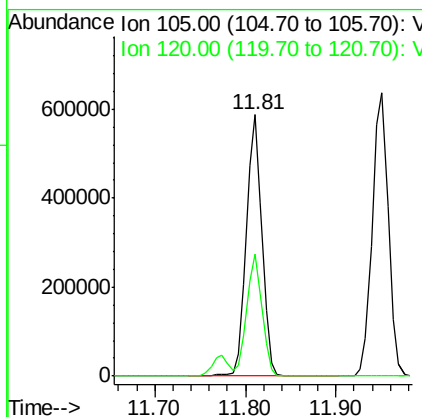
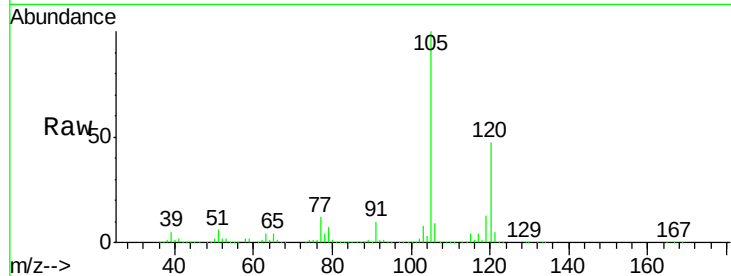
#84
 1,2,4-Trimethylbenzene
 Concen: 26.16 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	698565		
120	46.2	22.3	66.8	

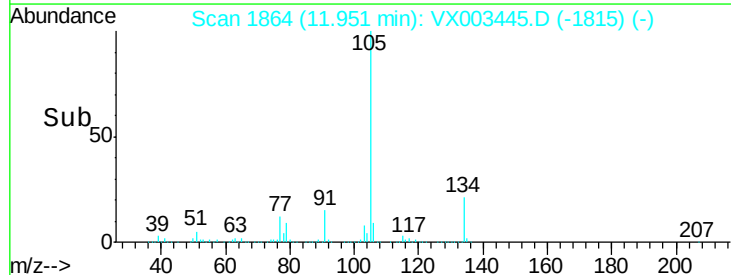
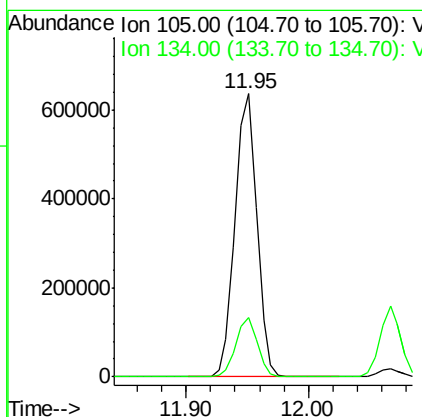
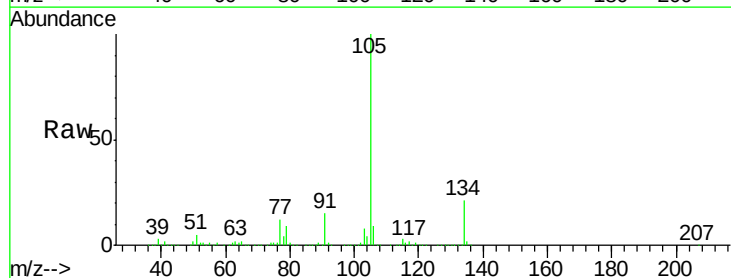
Manual Integrations
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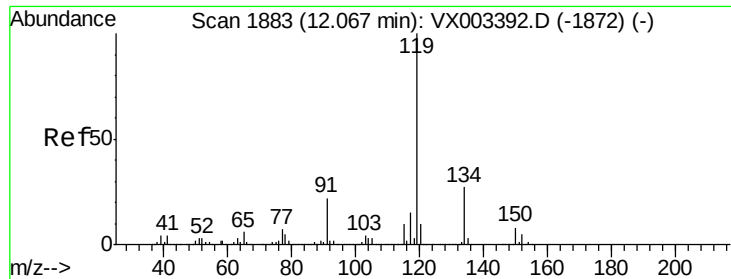
MMDadoda
 7/19/2018 1:04:15 PM



#85
 sec-Butylbenzene
 Concen: 25.35 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	781406		
134	20.8	10.4	31.1	





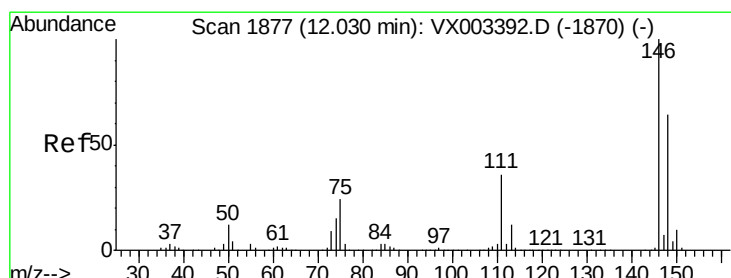
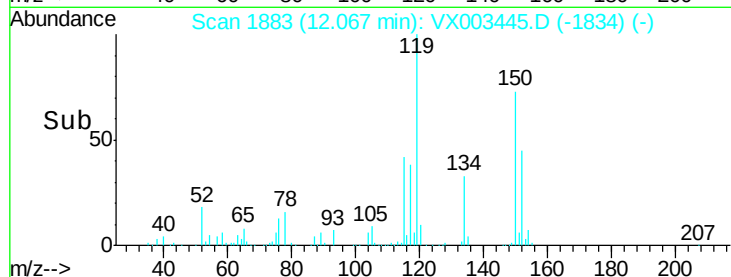
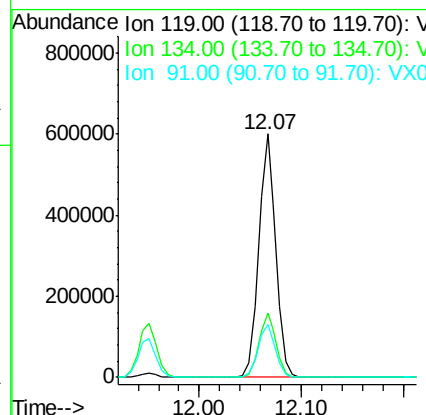
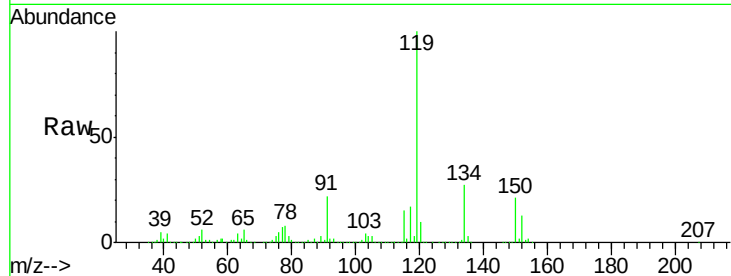
#86
 p-Isopropyltoluene
 Concen: 25.53 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	700362		
134	26.7		13.4	40.1
91	22.0		11.9	35.7

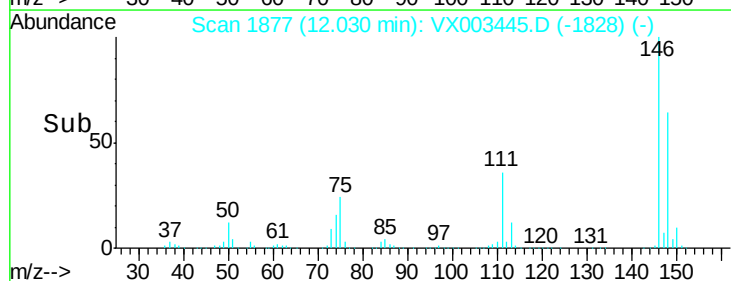
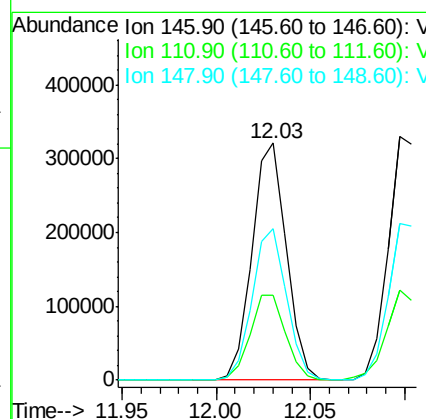
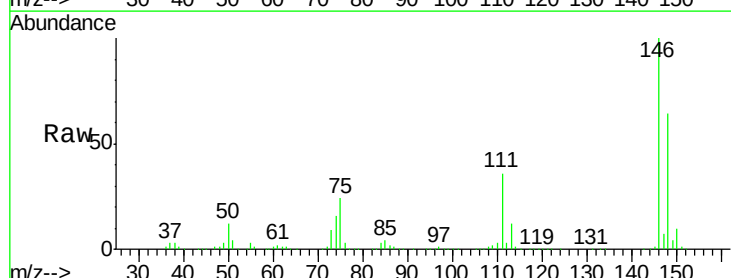
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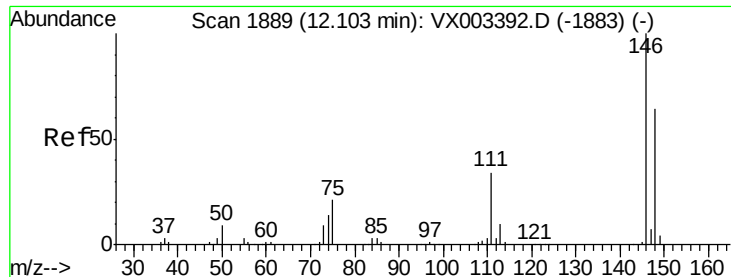
MMDadoda
 7/19/2018 1:04:15 PM



#87
 1,3-Dichlorobenzene
 Concen: 24.61 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	407057		
111	37.1		18.9	56.7
148	63.8		32.1	96.3





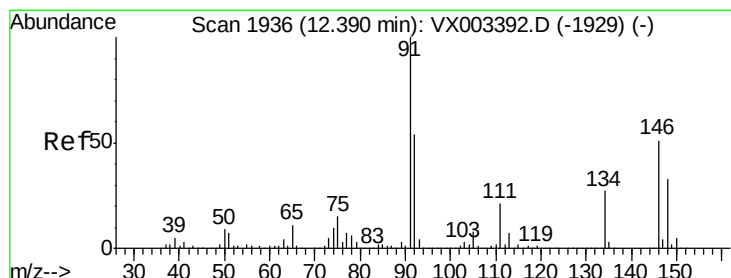
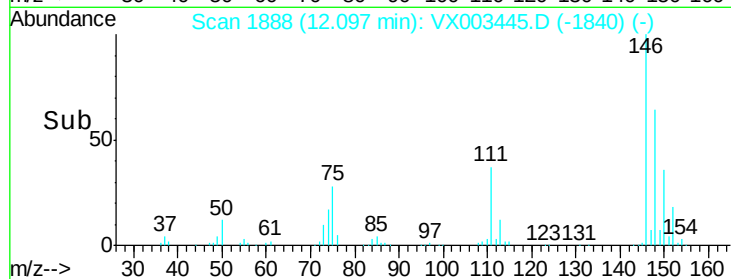
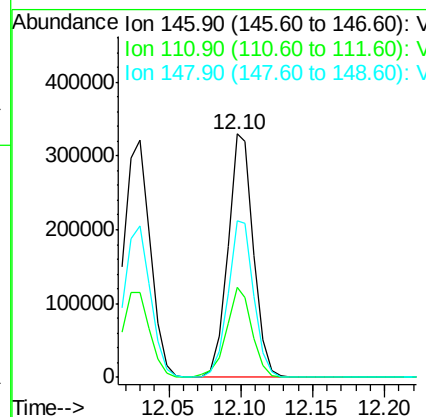
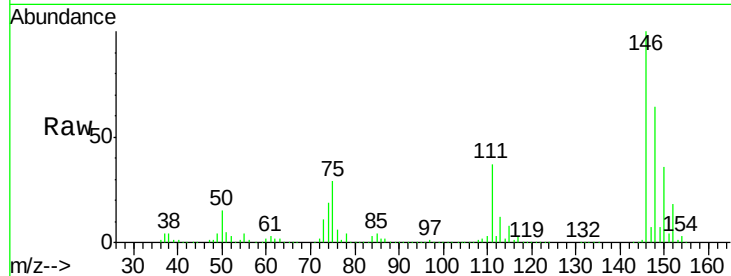
#88
 1,4-Dichlorobenzene
 Concen: 24.50 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	64.8	32.4	97.0

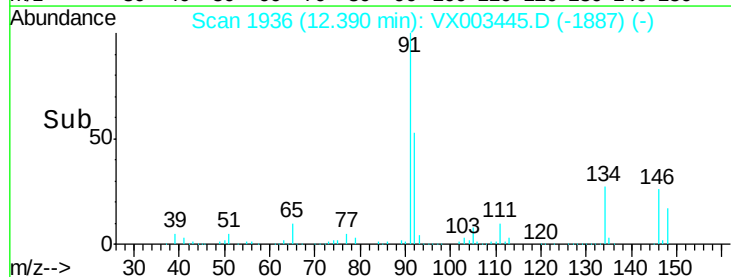
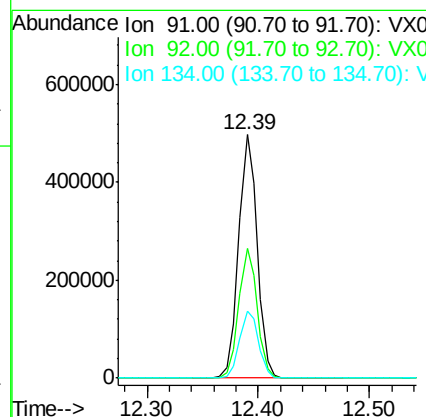
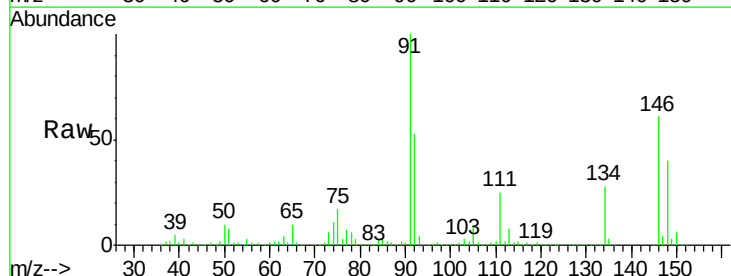
Manual Integrations
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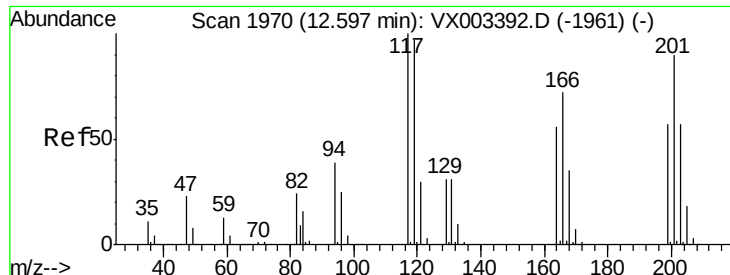
MMDadoda
 7/19/2018 1:04:15 PM



#89
 n-Butylbenzene
 Concen: 24.46 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.0	78.0
134	28.2	13.5	40.5





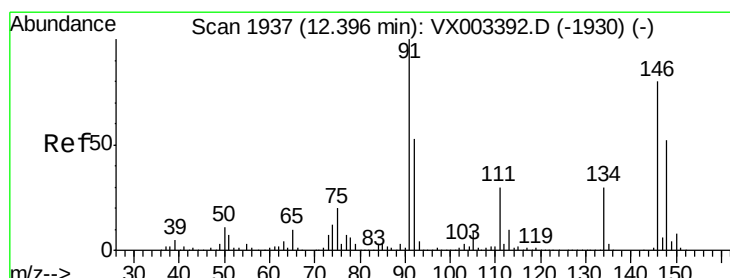
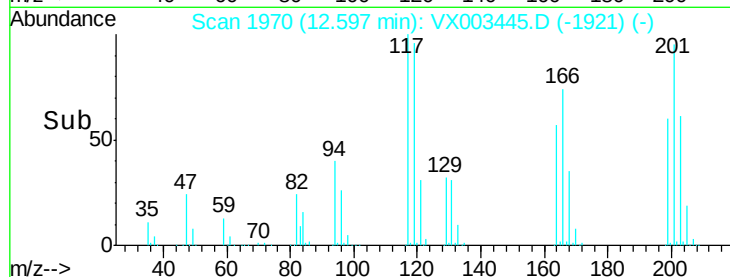
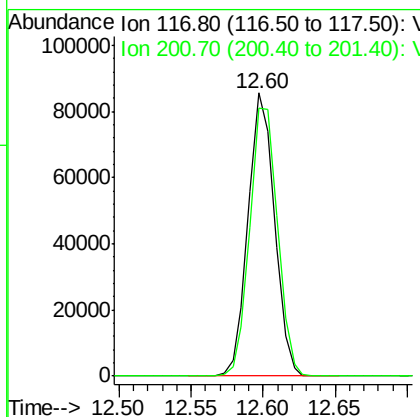
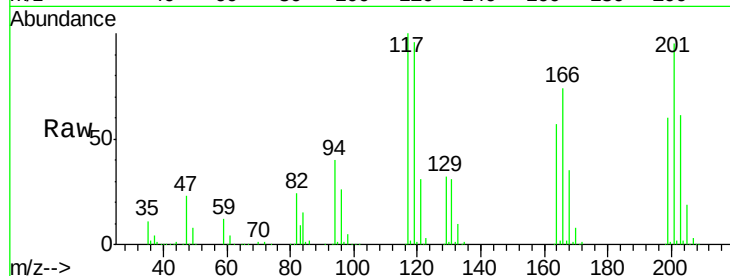
#90
Hexachloroethane
Concen: 25.99 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion:117 Resp: 108030
Ion Ratio Lower Upper
117 100
201 99.7 49.0 147.0

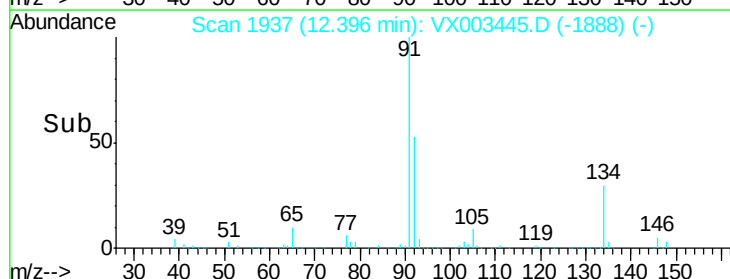
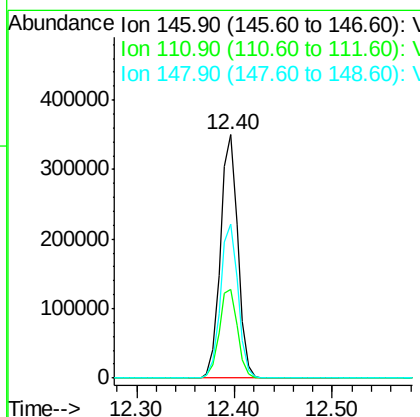
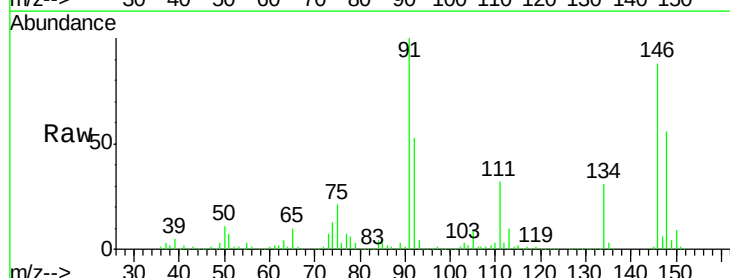
Manual Integrations
APPROVED

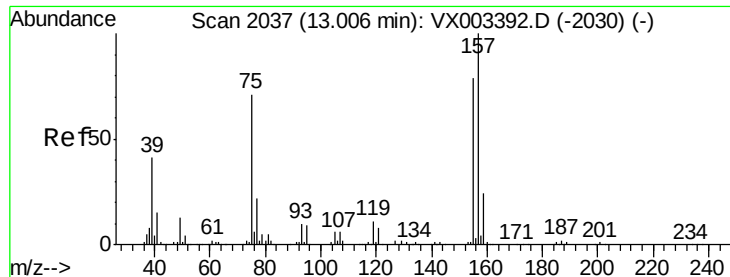
MMDadoda
7/19/2018 1:04:15 PM



#91
1,2-Dichlorobenzene
Concen: 25.93 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion:146 Resp: 430779
Ion Ratio Lower Upper
146 100
111 37.9 19.4 58.1
148 64.0 31.7 95.1





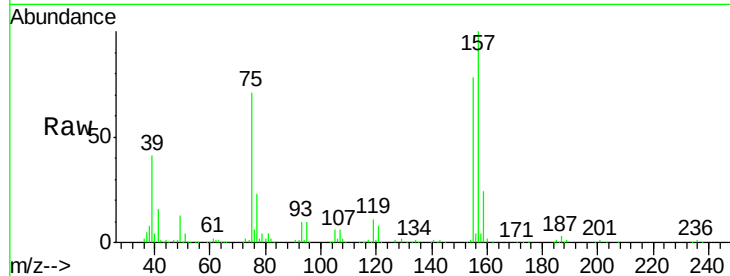
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.67 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

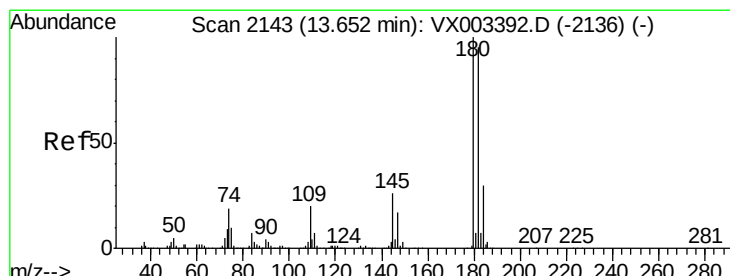
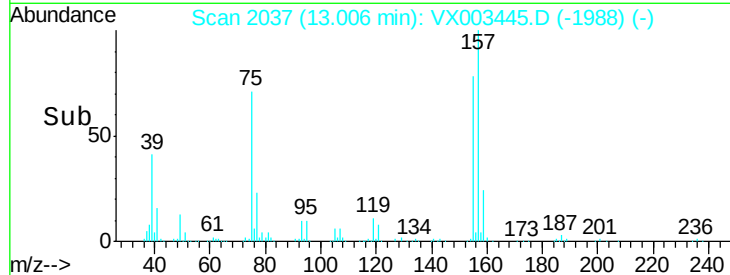
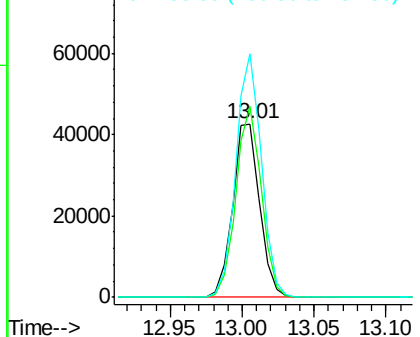
Tot Ion	Ratio	Lower	Upper
75	100		
155	103.0	45.8	137.4
157	131.8	60.1	180.3

Manual Integrations
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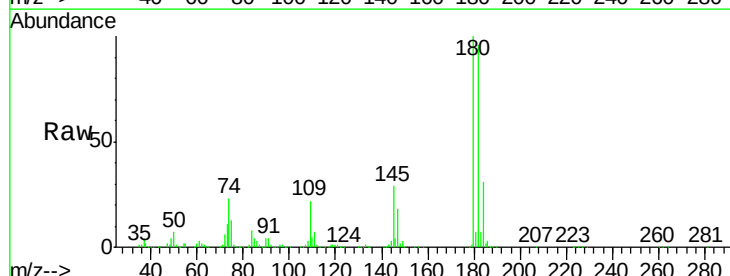


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

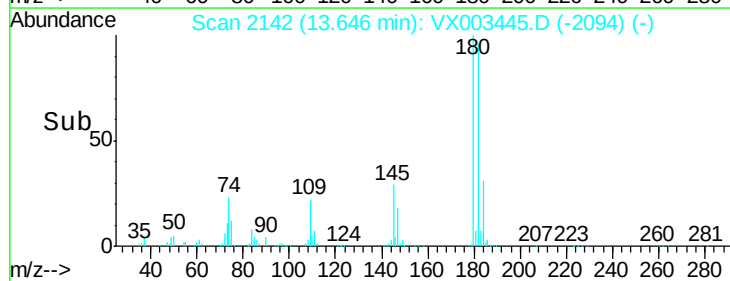
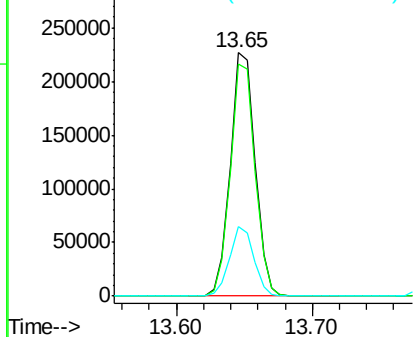


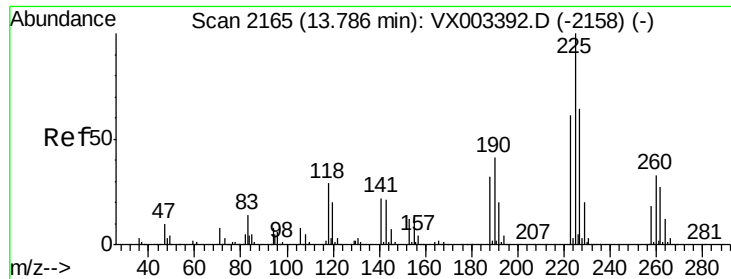
#93
 1,2,4-Trichlorobenzene
 Concen: 25.27 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.7	143.1
145	27.9	14.1	42.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





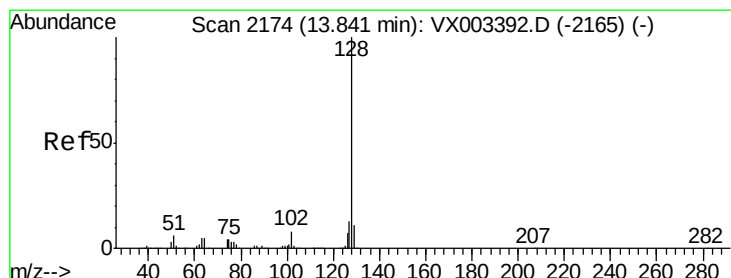
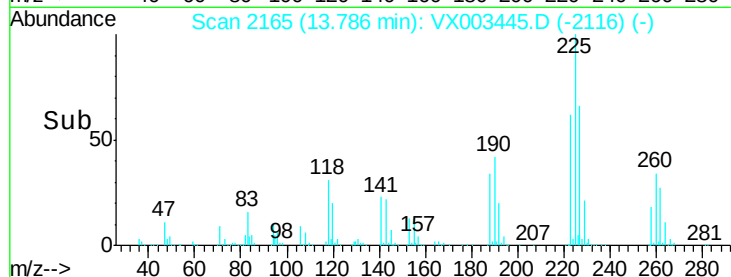
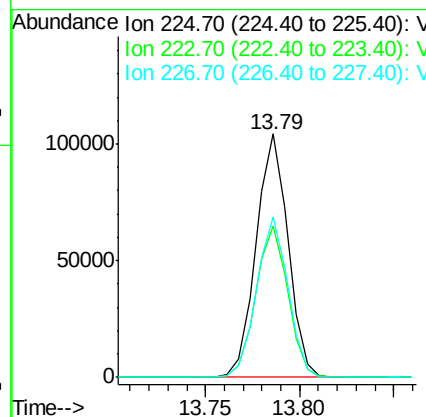
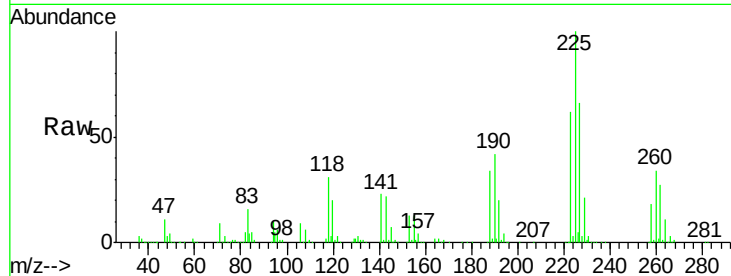
#94
Hexachlorobutadiene
Concen: 22.30 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MSD

Tot Ion	Ratio	Resp Lower	Upper
225	100		
223	62.4	31.6	95.0
227	64.9	32.4	97.2

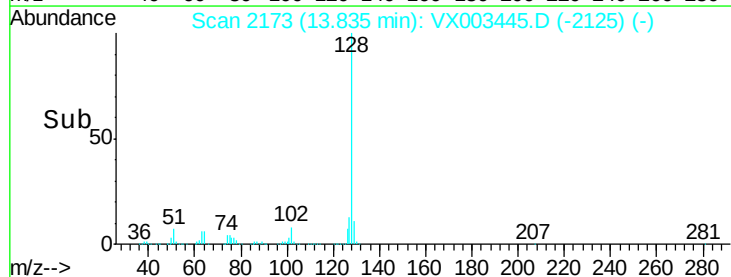
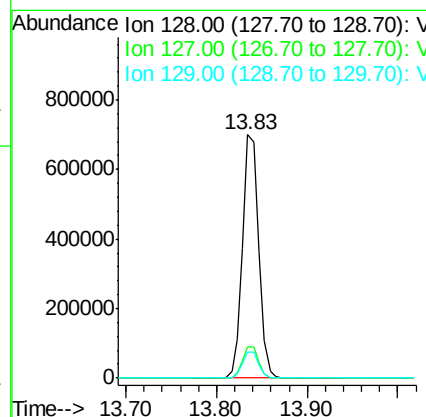
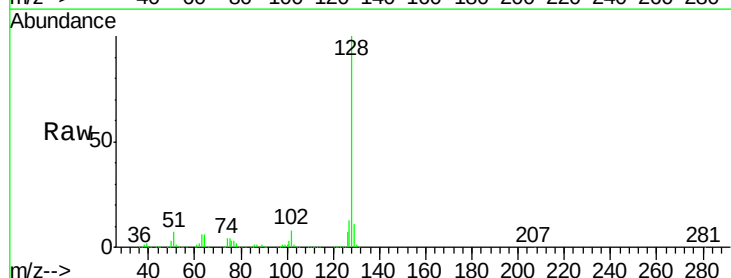
Manual Integrations
APPROVED

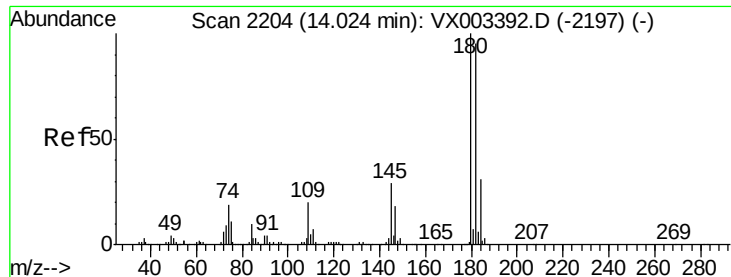
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#95
Naphthalene
Concen: 26.77 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003445.D
Acq: 18 Jul 2018 14:15

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 24.77 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003445.D
 Acq: 18 Jul 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	48.0	144.0
145	29.7	14.8	44.3

Manual Integrations
 APPROVED

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 7/19/2018 1:04:15 PM

