

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041318\
 Data File : VX000852.D
 Acq On : 13 Apr 2018 16:25
 Operator : JC/MD
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:59:59 PM

Quant Time: Apr 14 05:26:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	153282	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	5.51	113	129609	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.73	98	474032	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.15	95	189708	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	53397	18.77	ug/l	97
3) Chloromethane	1.32	50	45742	18.75	ug/l	99
4) Vinyl Chloride	1.40	62	54428	19.84	ug/l	96
5) Bromomethane	1.64	94	28002	23.94	ug/l	99
6) Chloroethane	1.73	64	35352	21.26	ug/l	99
7) Trichlorofluoromethane	1.93	101	79141	19.12	ug/l	100
8) Diethyl Ether	2.19	74	31469	20.35	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47269	19.37	ug/l	100
10) Methyl Iodide	2.51	142	21657	17.75	ug/l	99
11) Tert butyl alcohol	3.09	59	63786	113.06	ug/l	98
12) 1,1-Dichloroethene	2.37	96	44877	19.40	ug/l	98
13) Acrolein	2.30	56	15400	56.21	ug/l	97
14) Allyl chloride	2.73	41	84334	19.72	ug/l	98
15) Acrylonitrile	3.16	53	137758	114.53	ug/l	99
16) Acetone	2.45	43	124432	113.55	ug/l	100
17) Carbon Disulfide	2.57	76	117875	16.83	ug/l	99
18) Methyl Acetate	2.79	43	68332	24.10	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	158467	20.57	ug/l	99
20) Methylene Chloride	2.86	84	50417	19.78	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	48326	18.95	ug/l	99
22) Diisopropyl ether	3.89	45	164975	20.99	ug/l	97
23) Vinyl Acetate	3.84	43	733650	106.31	ug/l	98
24) 1,1-Dichloroethane	3.70	63	87935	19.94	ug/l	99
25) 2-Butanone	4.73	43	210777	116.48	ug/l	100
26) 2,2-Dichloropropane	4.59	77	83064	18.97	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	59220	20.46	ug/l	98
28) Bromochloromethane	5.03	49	34717	19.55	ug/l	99
29) Tetrahydrofuran	5.18	42	132774	115.55	ug/l	99
30) Chloroform	5.23	83	96324	20.63	ug/l	98
31) Cyclohexane	5.58	56	79940	19.08	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	87133	19.59	ug/l	100
36) 1,1-Dichloropropene	5.81	75	70991	18.86	ug/l	99
37) Ethyl Acetate	4.88	43	79715	21.69	ug/l	100
38) Carbon Tetrachloride	5.79	117	78686	18.68	ug/l	95

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 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83768	18.53	ug/l	96
40) Benzene	6.15	78	207724	19.86	ug/l	100
41) Methacrylonitrile	5.07	41	45525	21.44	ug/l	99
42) 1,2-Dichloroethane	6.21	62	78889	20.20	ug/l	100
43) Isopropyl Acetate	6.48	43	129577	20.57	ug/l	100
44) Trichloroethene	7.22	130	63628	19.56	ug/l	98
45) 1,2-Dichloropropane	7.52	63	53372	20.04	ug/l	99
46) Dibromomethane	7.67	93	36775	19.81	ug/l	99
47) Bromodichloromethane	7.91	83	70504	18.81	ug/l	98
48) Methyl methacrylate	7.79	41	67704	20.73	ug/l	98
49) 1,4-Dioxane	7.77	88	27814	423.83	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	415889	112.38	ug/l	99
52) Toluene	8.79	92	138456	19.95	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	86083	19.15	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	81846	18.70	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	55594	20.18	ug/l	99
56) Ethyl methacrylate	9.19	69	87228	20.53	ug/l	98
57) 1,3-Dichloropropane	9.38	76	91022	20.78	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	209954	105.75	ug/l	100
59) 2-Hexanone	9.51	43	326457	114.27	ug/l	99
60) Dibromochloromethane	9.59	129	61280	18.59	ug/l	99
61) 1,2-Dibromoethane	9.68	107	59799	20.46	ug/l	99
64) Tetrachloroethene	9.34	164	63974	20.51	ug/l	96
65) Chlorobenzene	10.15	112	162677	20.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	58822	19.48	ug/l	100
67) Ethyl Benzene	10.26	91	268244	20.05	ug/l	99
68) m/p-Xylenes	10.37	106	209691	39.72	ug/l	99
69) o-Xylene	10.71	106	102755	20.19	ug/l	100
70) Styrene	10.72	104	171438	19.98	ug/l	99
71) Bromoform	10.87	173	50032	17.89	ug/l #	99
73) Isopropylbenzene	11.02	105	277483	20.05	ug/l	100
74) N-amyl acetate	6.48	43	129577	20.79	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	83991	20.91	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	78769m	20.94	ug/l	
77) Bromobenzene	11.26	156	80068	19.74	ug/l	100
78) n-propylbenzene	11.37	91	313706	19.82	ug/l	99
79) 2-Chlorotoluene	11.43	91	185613	19.84	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	237705	19.97	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23889	17.47	ug/l	92
82) 4-Chlorotoluene	11.52	91	224013	19.84	ug/l	99
83) tert-Butylbenzene	11.77	119	242662	19.93	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	244982	19.94	ug/l	99
85) sec-Butylbenzene	11.95	105	287199	19.99	ug/l	100
86) p-Isopropyltoluene	12.07	119	264944	19.78	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	148522	19.78	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	151311	19.67	ug/l	99
89) n-Butylbenzene	12.40	91	231258	19.56	ug/l	99
90) Hexachloroethane	12.60	117	39813	17.56	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	145568	20.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20115	19.99	ug/l	97

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ALS Vial : 13 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VX0413WBSD01

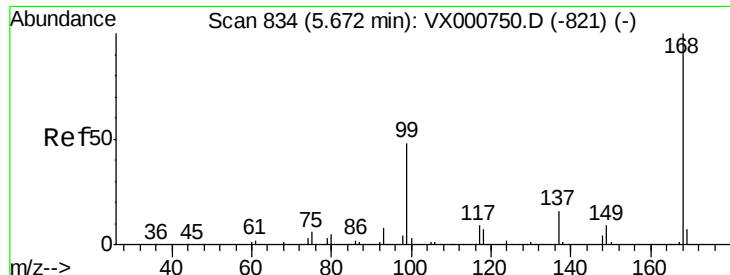
Manual Integrations
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4/16/2018 12:59:59 PM

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Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	119920	19.39	ug/l	98
94) Hexachlorobutadiene	13.79	225	60808	20.00	ug/l	100
95) Naphthalene	13.84	128	334203	21.05	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	119208	19.85	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion:168 Resp: 252022

Ion Ratio Lower Upper

168 100

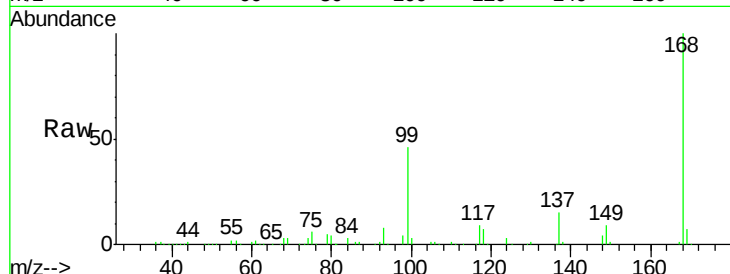
99 46.0 38.3 57.5

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

5.67

100000

80000

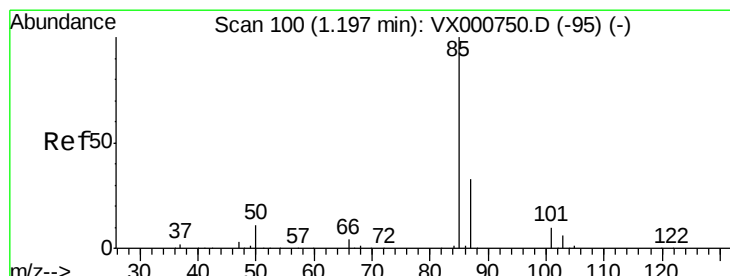
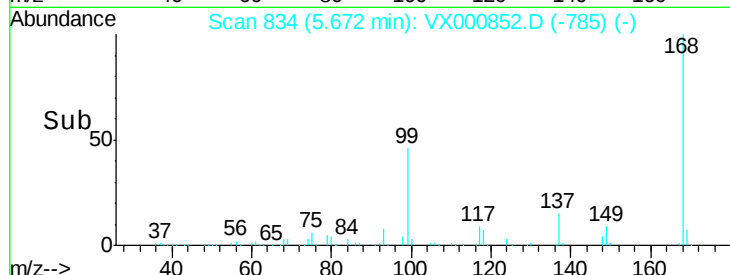
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.77 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000852.D

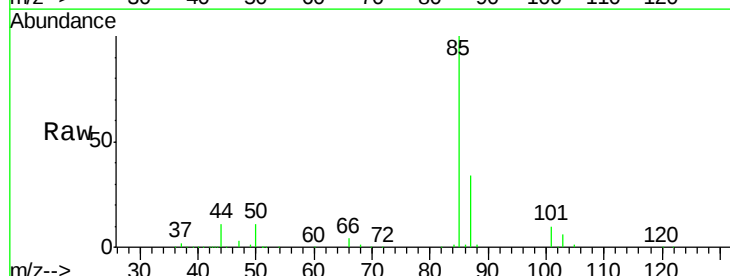
Acq: 13 Apr 2018 16:25

Tgt Ion: 85 Resp: 53397

Ion Ratio Lower Upper

85 100

87 34.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

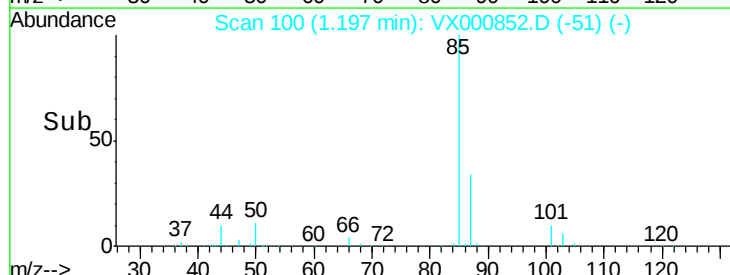
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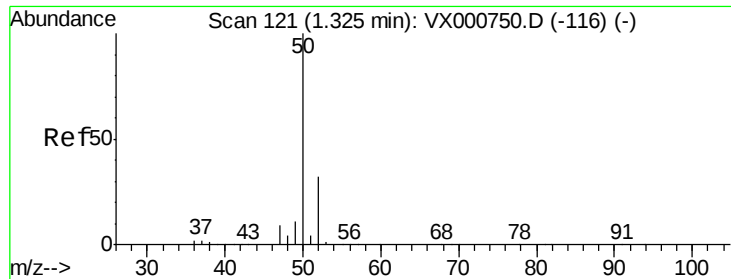
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.75 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 50 Resp: 45742

Ion Ratio Lower Upper

50 100

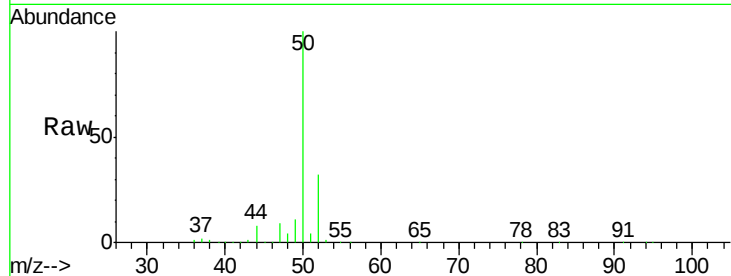
52 31.8 25.8 38.8

Manual Integrations

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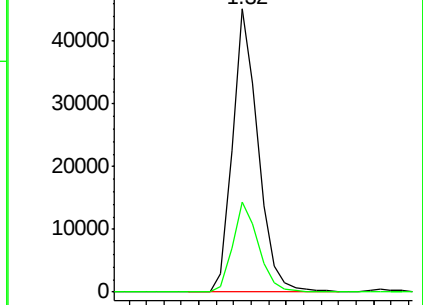
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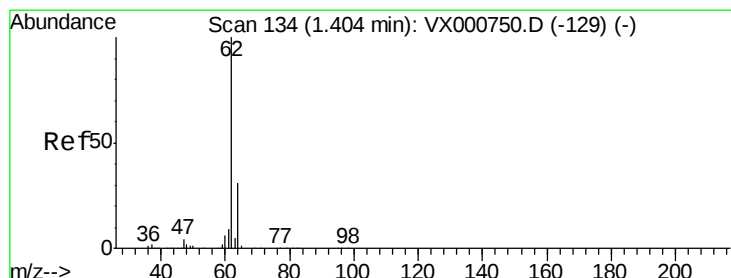
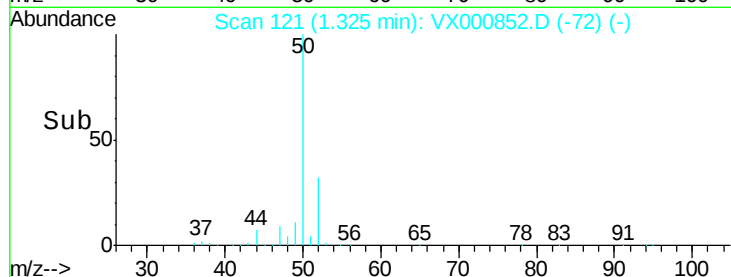


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.84 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000852.D

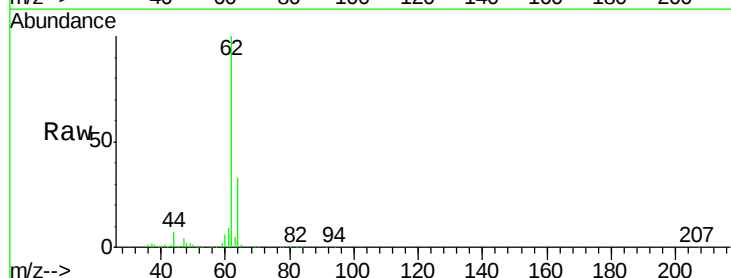
Acq: 13 Apr 2018 16:25

Tgt Ion: 62 Resp: 54428

Ion Ratio Lower Upper

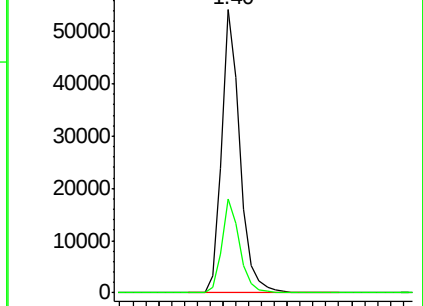
62 100

64 33.1 24.6 36.8

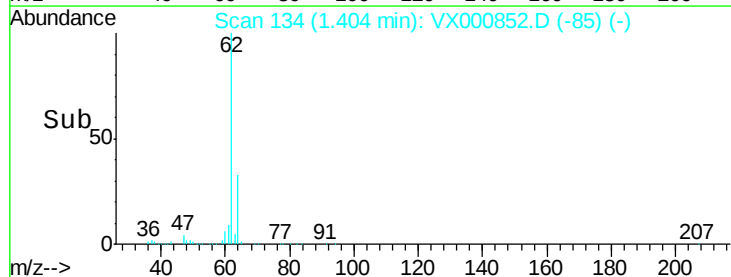


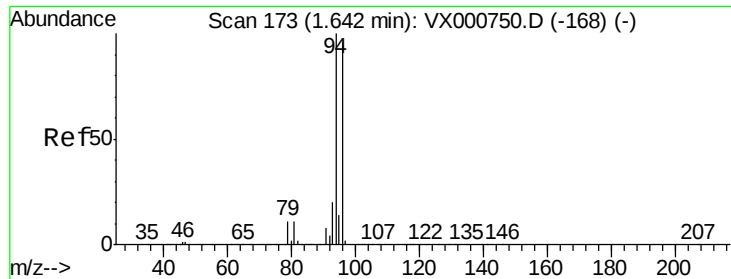
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 23.94 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 94 Resp: 28002

Ion Ratio Lower Upper

94 100

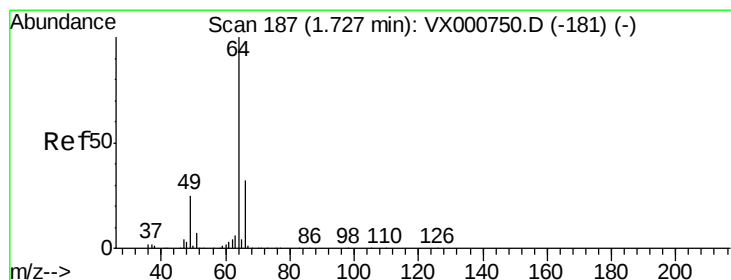
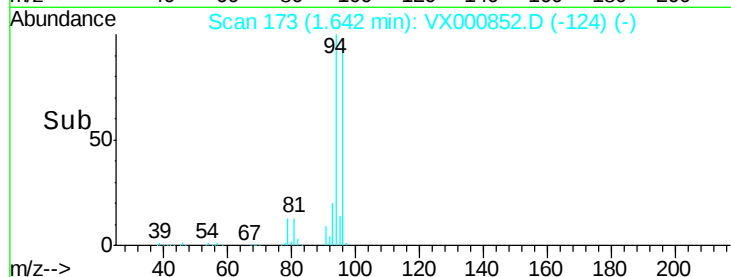
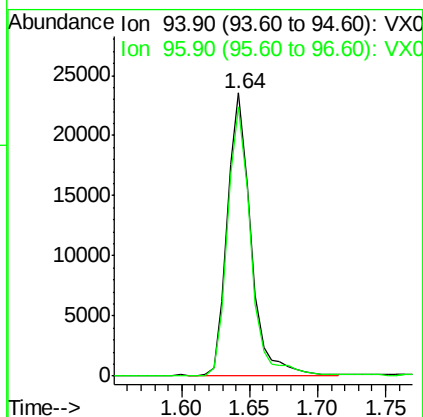
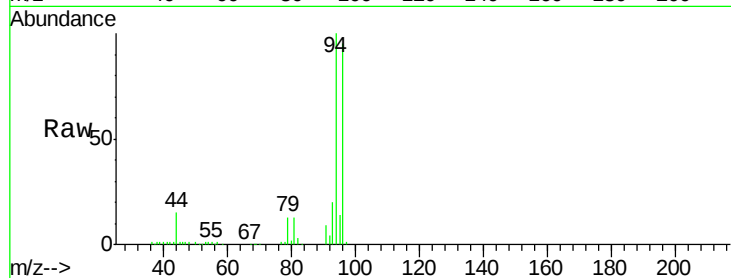
96 95.3 77.0 115.6

Manual Integrations

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4/16/2018 12:59:59 PM



#6

Chloroethane

Concen: 21.26 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000852.D

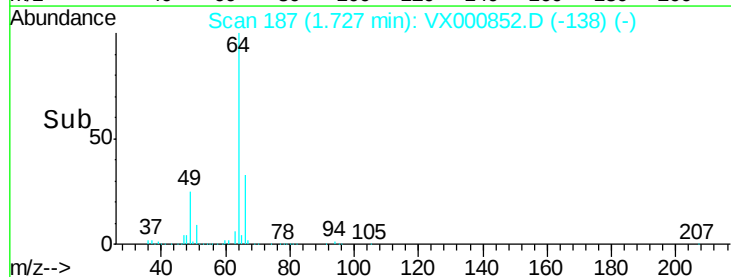
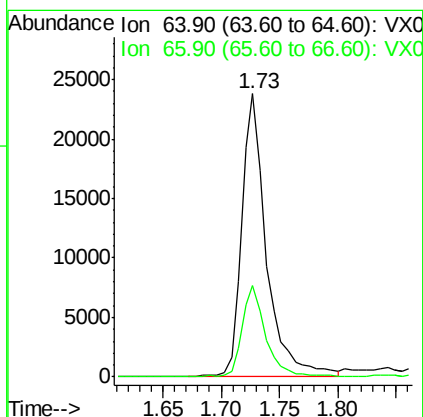
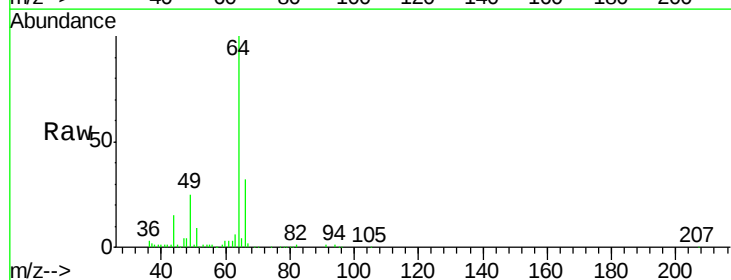
Acq: 13 Apr 2018 16:25

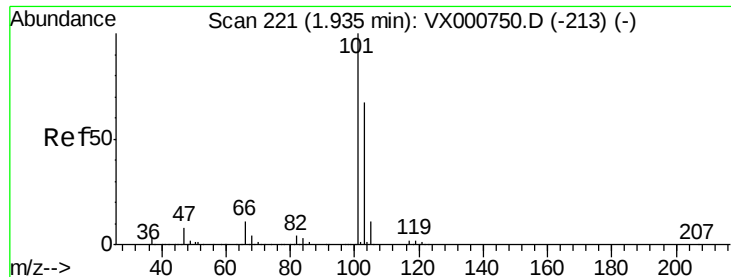
Tgt Ion: 64 Resp: 35352

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

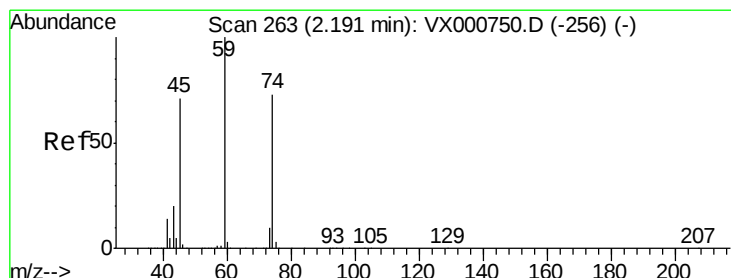
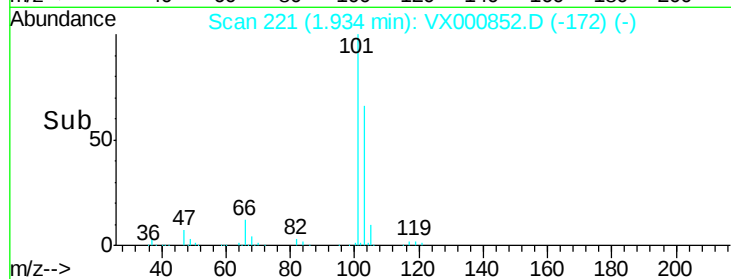
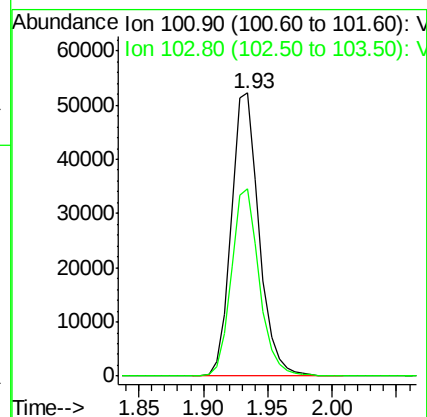
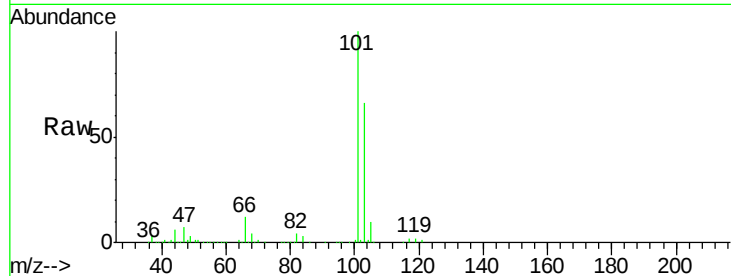
Trichlorofluoromethane
 Concen: 19.12 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Instrument :
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 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.2	79.8

Manual Integrations
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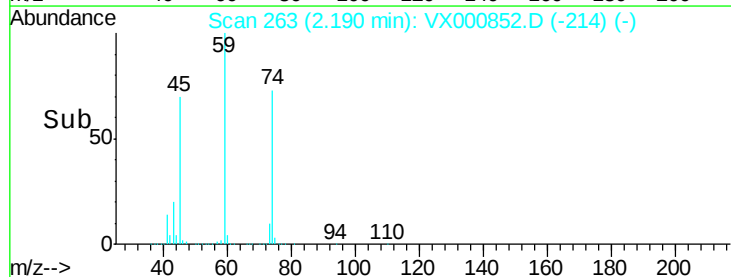
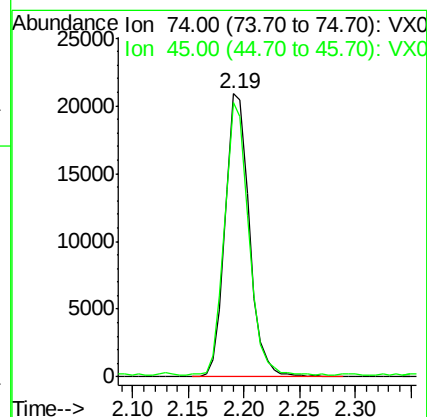
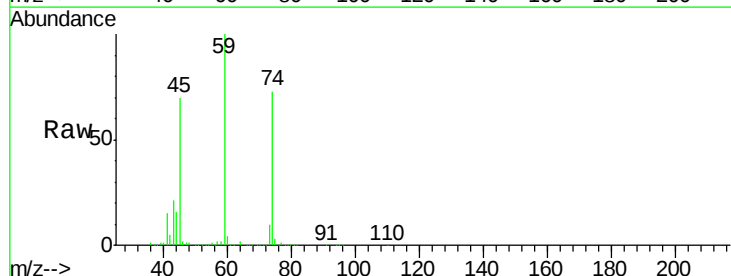
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 4/16/2018 12:59:59 PM

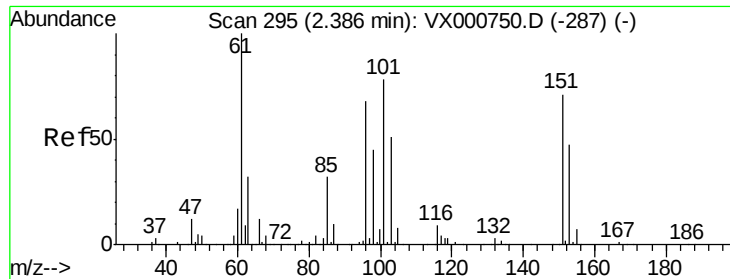


#8

Diethyl Ether
 Concen: 20.35 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.37 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

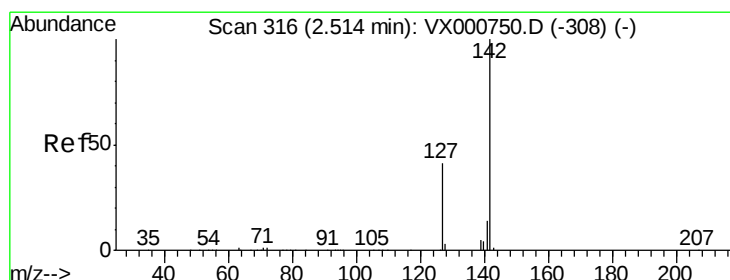
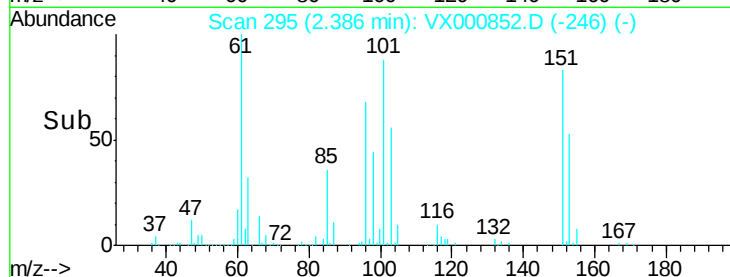
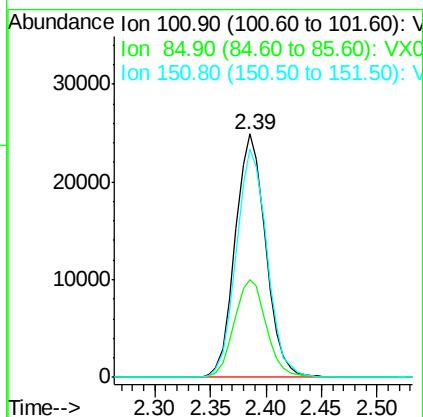
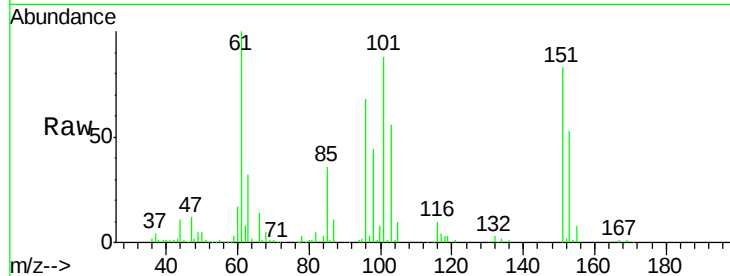
ClientSampleId :

VX0413WBSD01

Tot Ion:	101	Resp:	47269
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.0	51.0
151	95.2	75.8	113.8

Manual Integrations
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MMDadoda
4/16/2018 12:59:59 PM



#10

Methyl Iodide

Concen: 17.75 ug/l

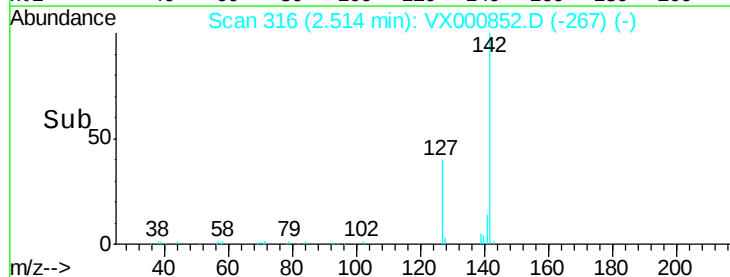
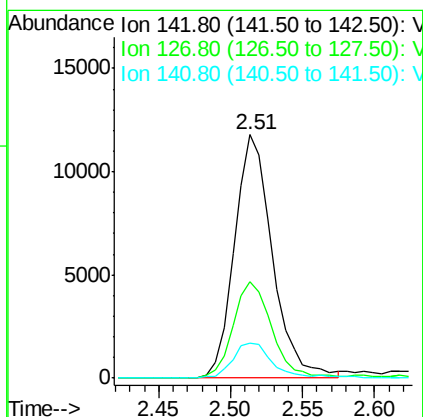
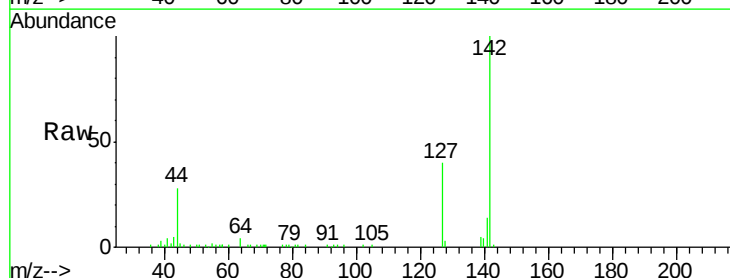
RT: 2.51 min Scan# 316

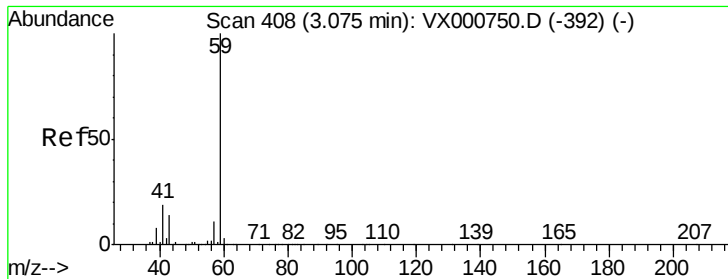
Delta R.T. 0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion:	142	Resp:	21657
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.6	49.0
141	15.4	11.5	17.3





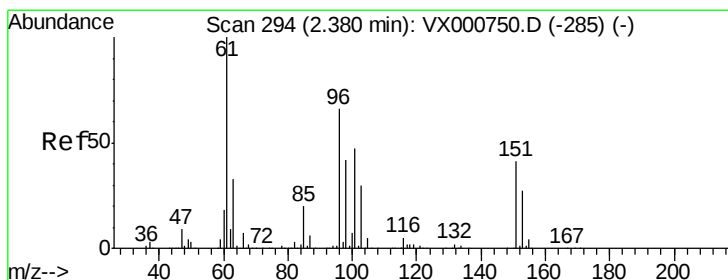
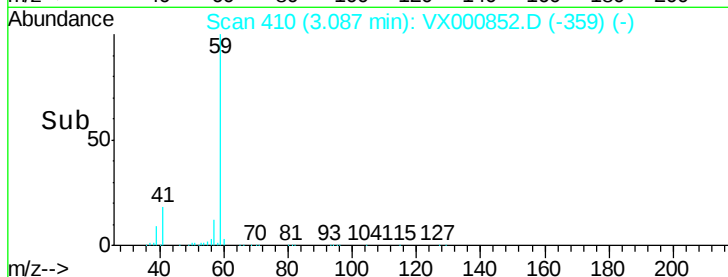
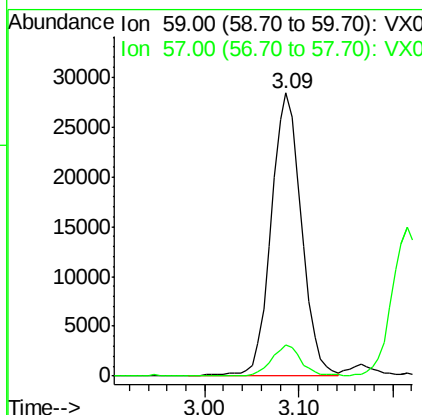
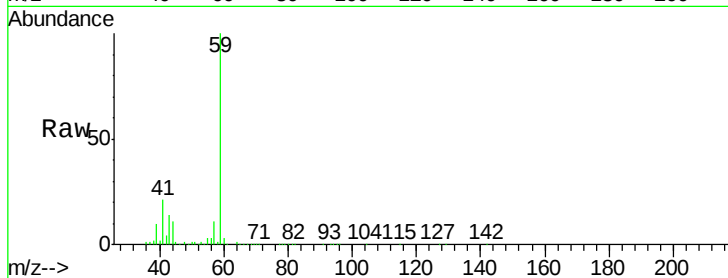
#11
Tert butyl alcohol
Concen: 113.06 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	63786		
57	57	11.1		8.4	12.6

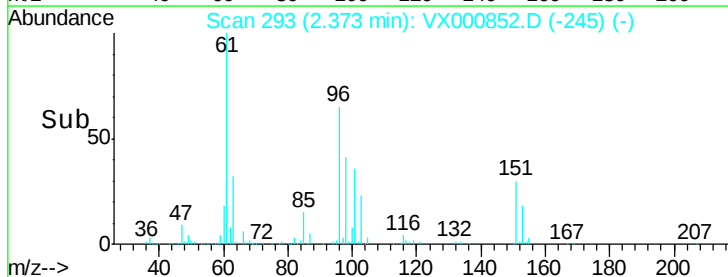
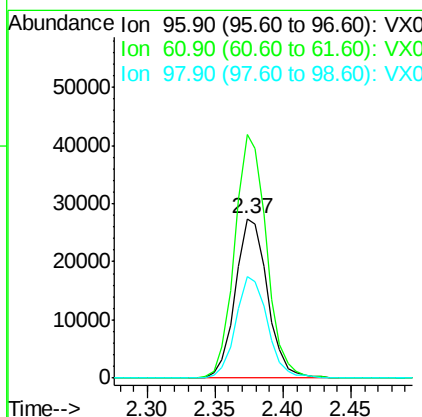
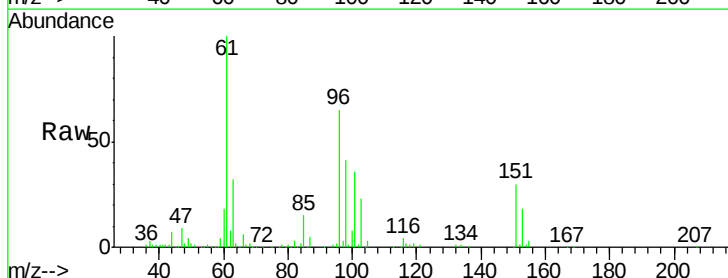
Manual Integrations
APPROVED

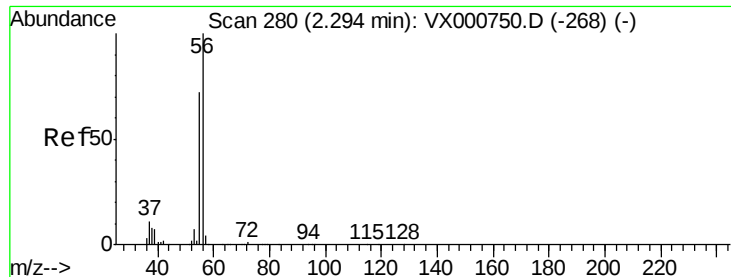
MMDadoda
4/16/2018 12:59:59 PM



#12
1,1-Dichloroethene
Concen: 19.40 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	44877		
61	61	153.4		120.5	180.7
98	98	63.6		50.9	76.3





#13

Acrolein

Concen: 56.21 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 56 Resp: 15400

Ion Ratio Lower Upper

56 100

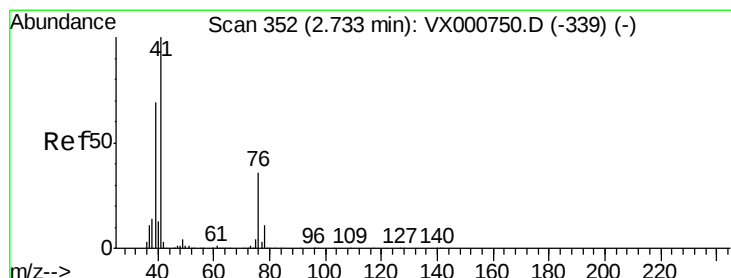
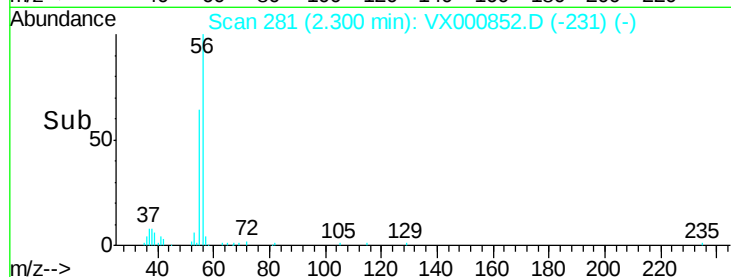
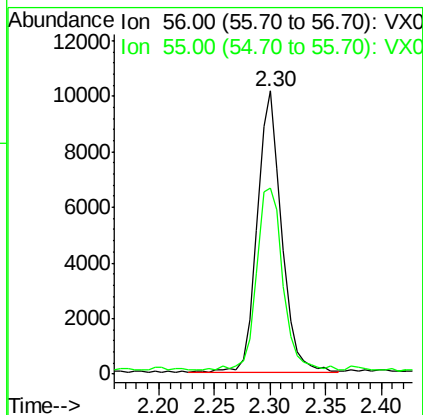
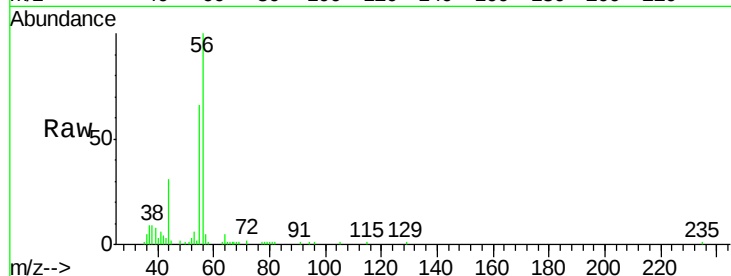
55 70.5 58.7 88.1

Manual Integrations

APPROVED

MMDadoda

4/16/2018 12:59:59 PM



#14

Allyl chloride

Concen: 19.72 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

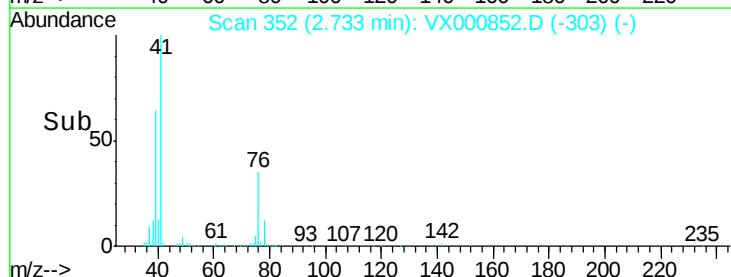
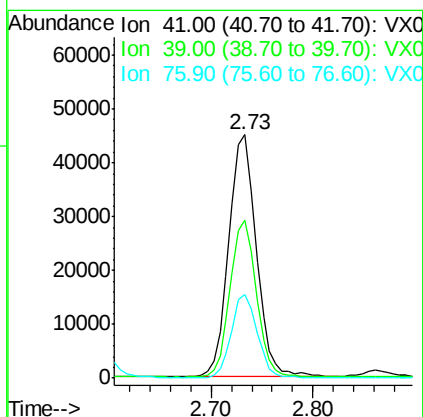
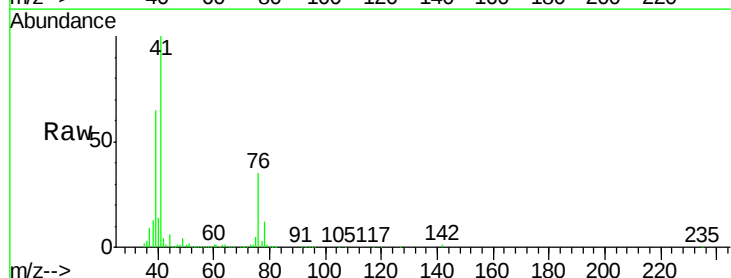
Tgt Ion: 41 Resp: 84334

Ion Ratio Lower Upper

41 100

39 61.8 51.5 77.3

76 32.9 26.5 39.7





#15

Acrylonitrile

Concen: 114.53 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

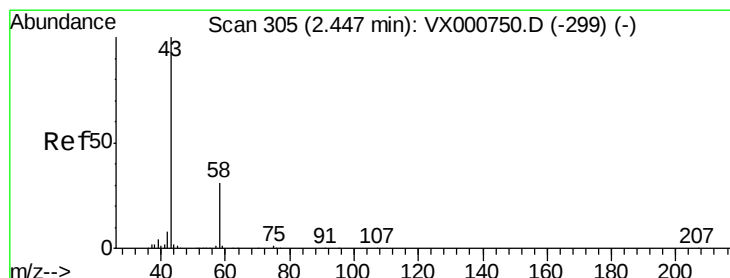
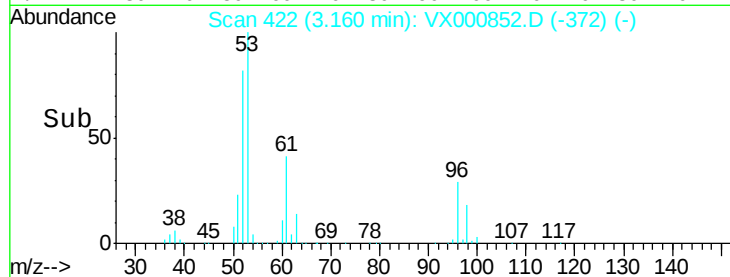
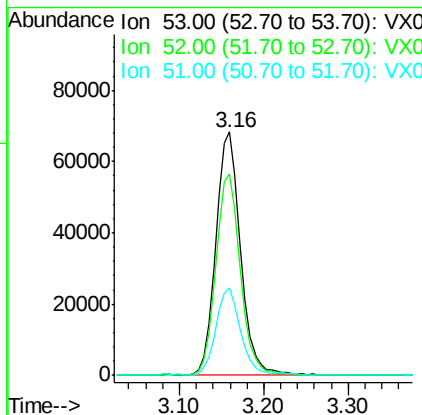
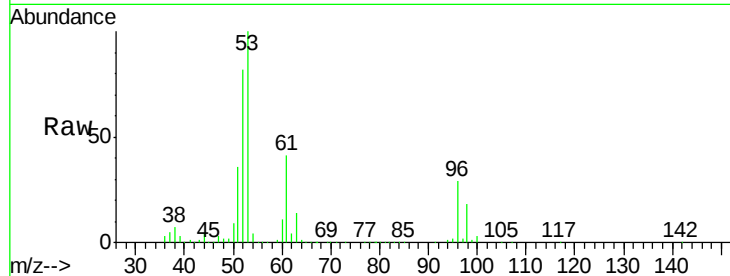
ClientSampleId :

VX0413WBSD01

Tot Ion:	53	Resp:	137758
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.9	28.8	43.2

Manual Integrations
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MMDadoda
4/16/2018 12:59:59 PM



#16

Acetone

Concen: 113.55 ug/l

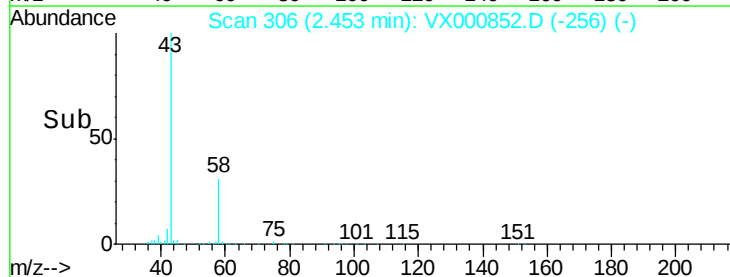
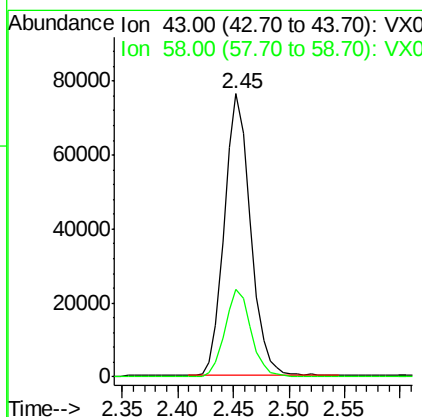
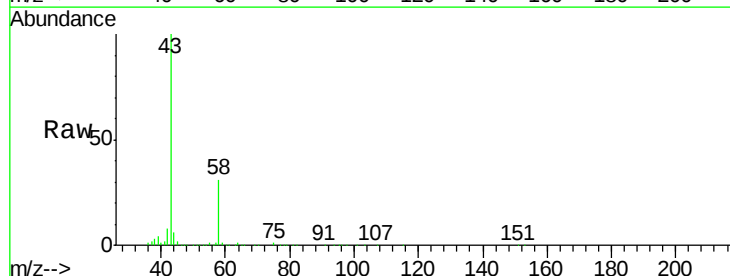
RT: 2.45 min Scan# 306

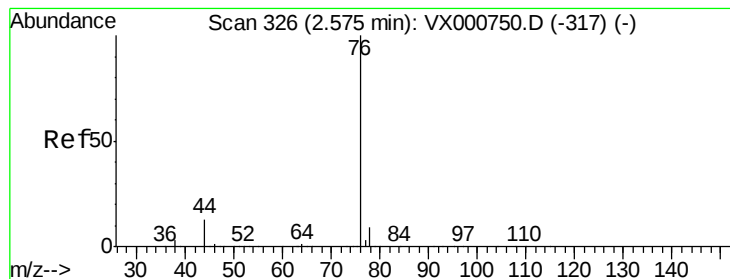
Delta R.T. 0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion:	43	Resp:	124432
Ion Ratio		Lower	Upper
43	100		
58	31.0	24.6	37.0





#17

Carbon Disulfide

Concen: 16.83 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 76 Resp: 117875

Ion Ratio Lower Upper

76 100

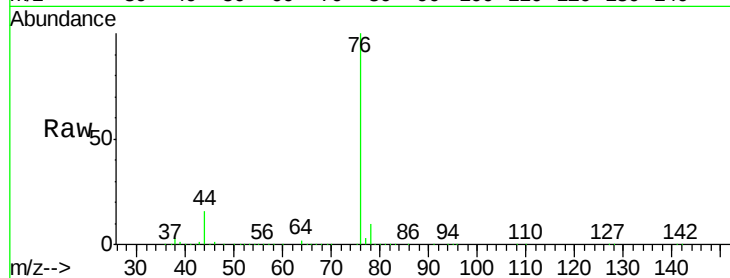
78 9.5 7.4 11.2

Manual Integrations

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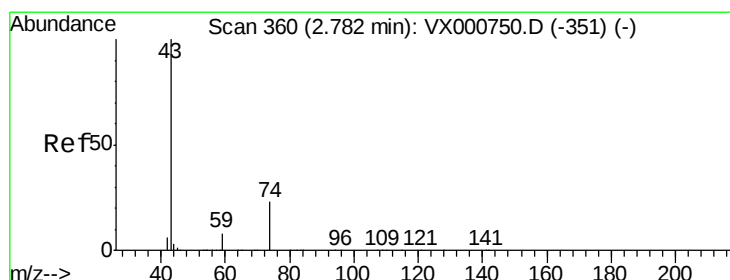
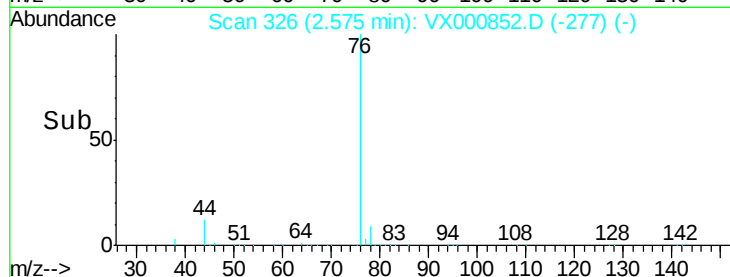
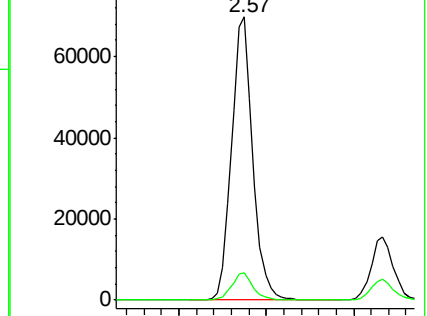
MMDadoda

4/16/2018 12:59:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.10 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX000852.D

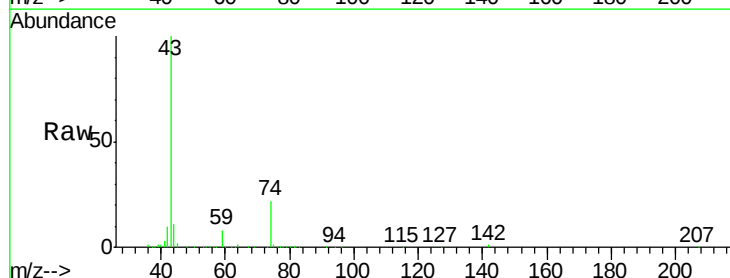
Acq: 13 Apr 2018 16:25

Tgt Ion: 43 Resp: 68332

Ion Ratio Lower Upper

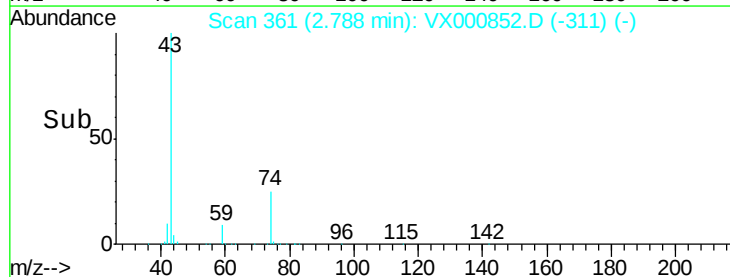
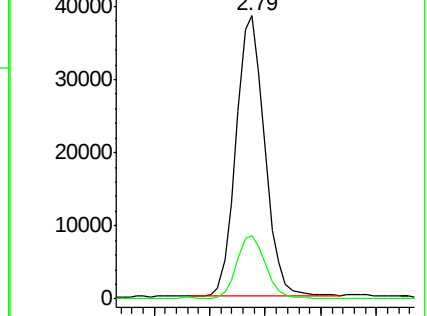
43 100

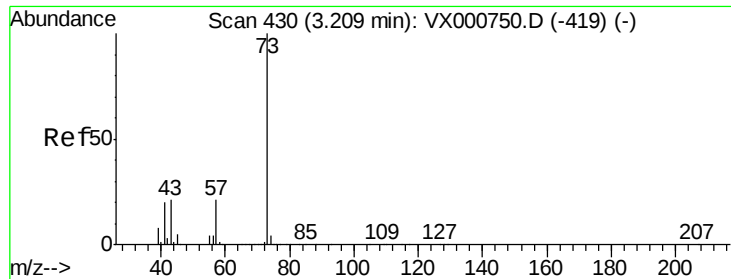
74 22.7 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





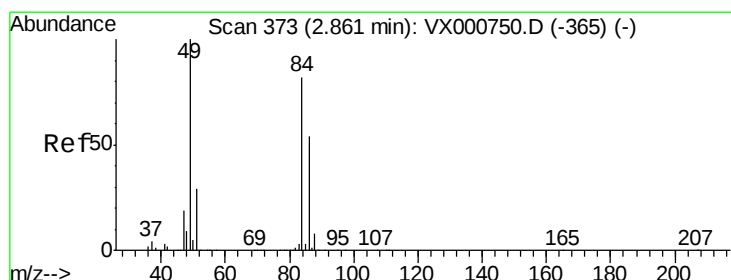
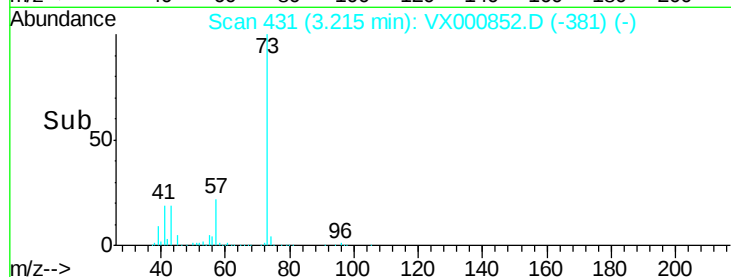
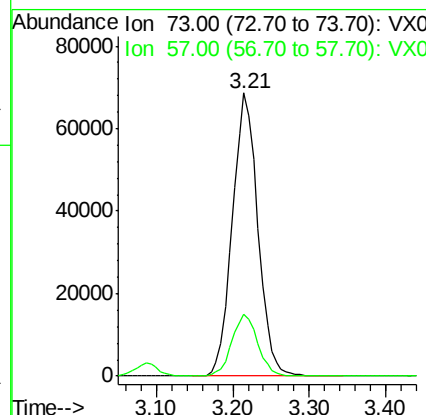
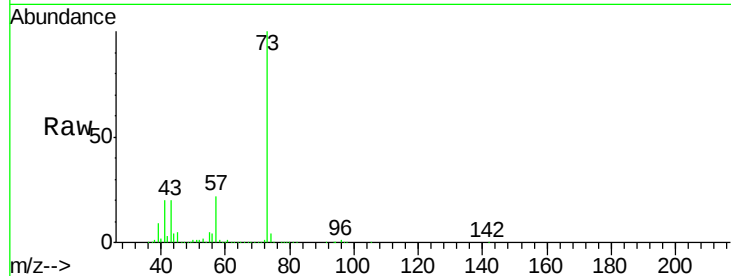
#19
Methvl tert-butvl Ether
Concen: 20.57 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	73	Resp	158467
Ion Ratio	Lower	Upper	
73	100		
57	21.7	16.9	25.3

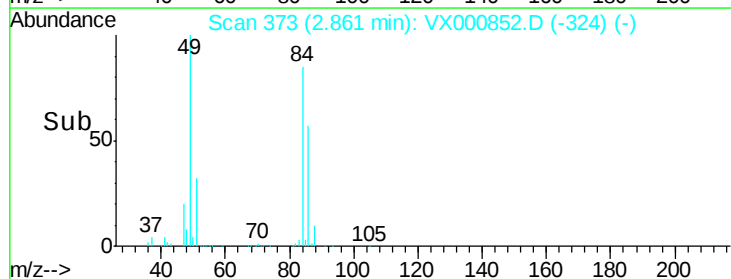
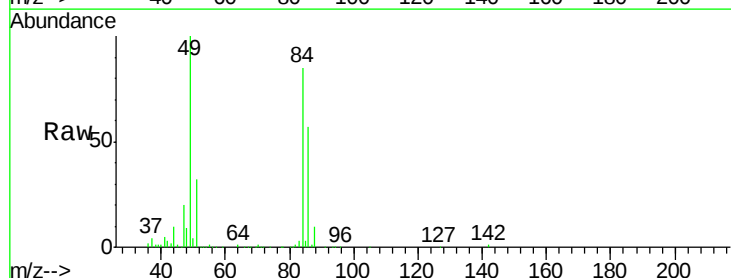
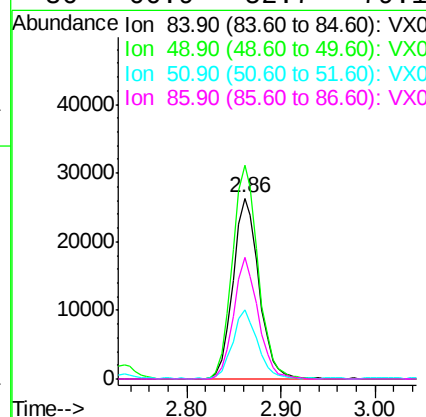
Manual Integrations
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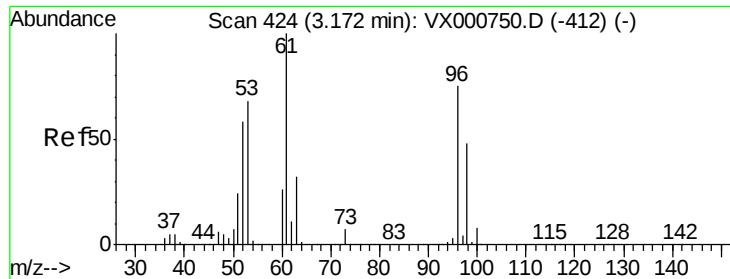
MMDadoda
4/16/2018 12:59:59 PM



#20
Methylene Chloride
Concen: 19.78 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	84	Resp	50417
Ion Ratio	Lower	Upper	
84	100		
49	118.0	98.1	147.1
51	37.7	28.9	43.3
86	66.9	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 96 Resp: 48326

Ion Ratio Lower Upper

96 100

61 134.3 106.2 159.2

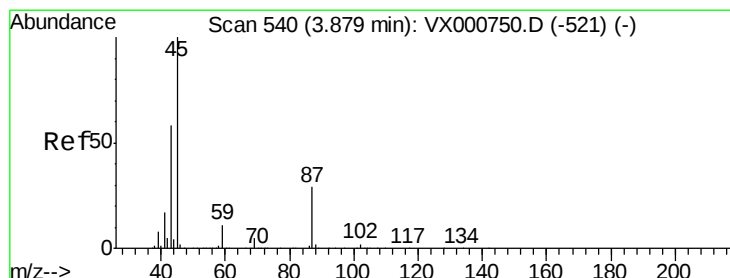
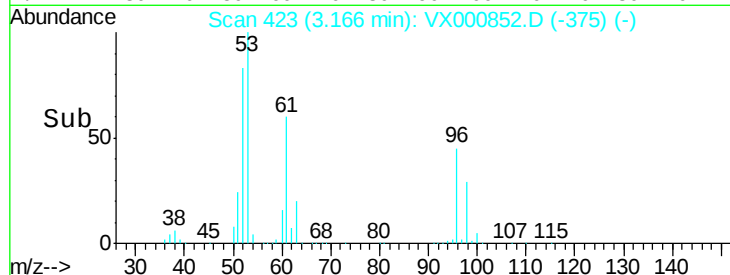
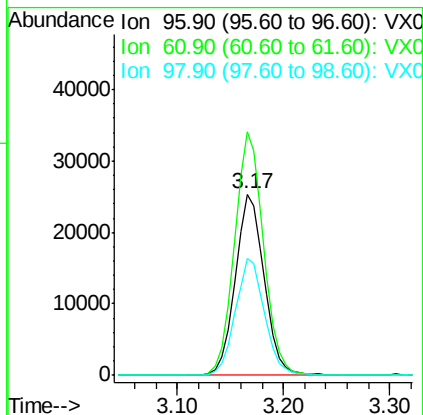
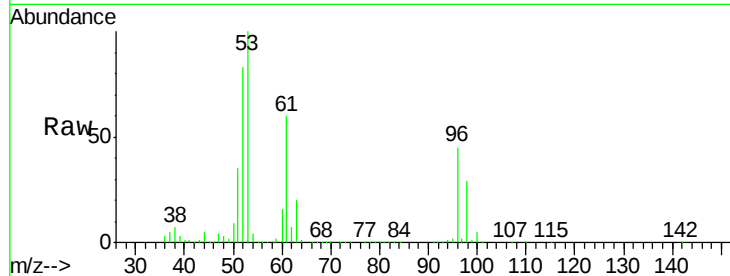
98 64.3 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

4/16/2018 12:59:59 PM



#22

Diisopropyl ether

Concen: 20.99 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion: 45 Resp: 164975

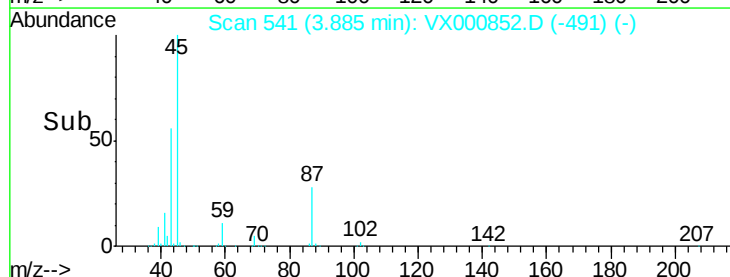
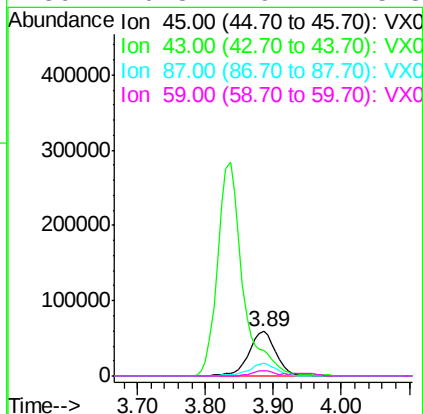
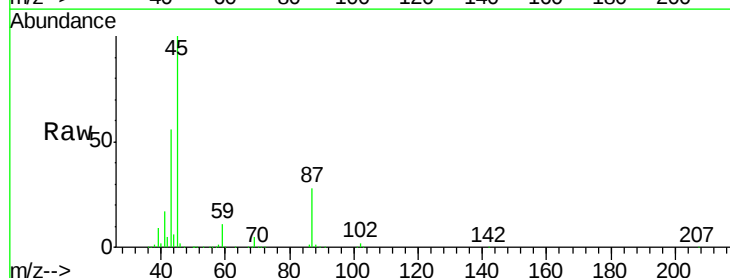
Ion Ratio Lower Upper

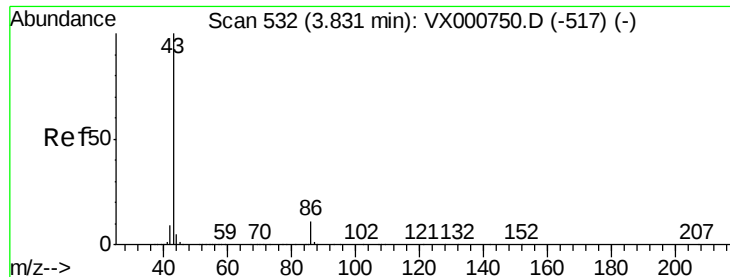
45 100

43 55.5 46.6 69.8

87 28.3 22.9 34.3

59 10.8 9.2 13.8





#23

Vinyl Acetate

Concen: 106.31 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 43 Resp: 733650

Ion Ratio Lower Upper

43 100

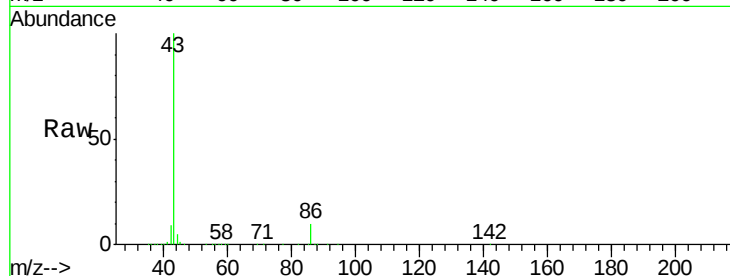
86 10.1 8.6 12.8

Manual Integrations

APPROVED

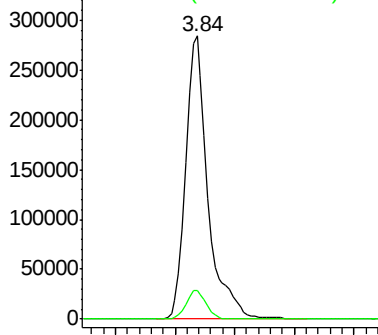
MMDadoda

4/16/2018 12:59:59 PM

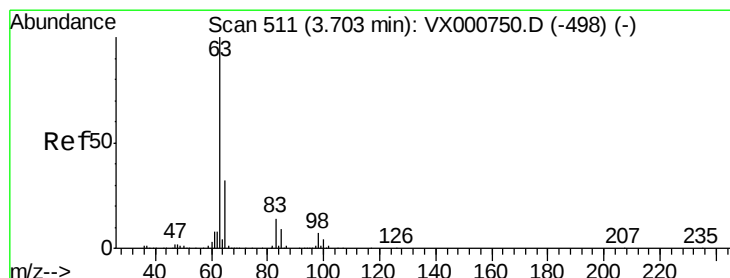
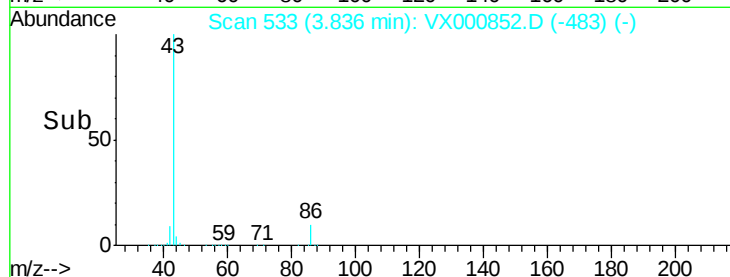


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.94 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

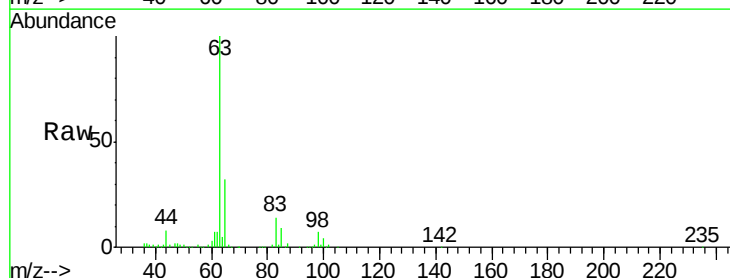
Tgt Ion: 63 Resp: 87935

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

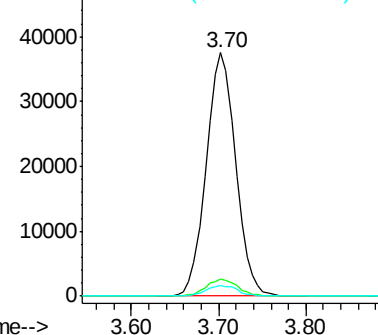
100 4.5 2.1 6.3



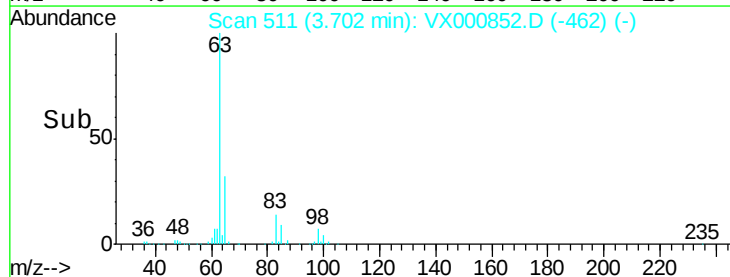
Abundance Ion 62.90 (62.60 to 63.60): VX0

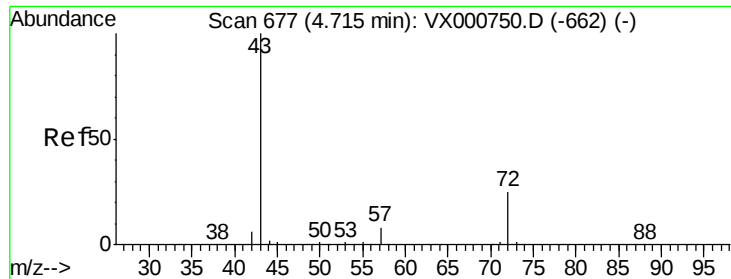
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 116.48 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tot Ion: 43 Resp: 210777

Ion Ratio Lower Upper

43 100

72 25.3 20.3 30.5

Instrument :

MSVOA_X

ClientSampleId :

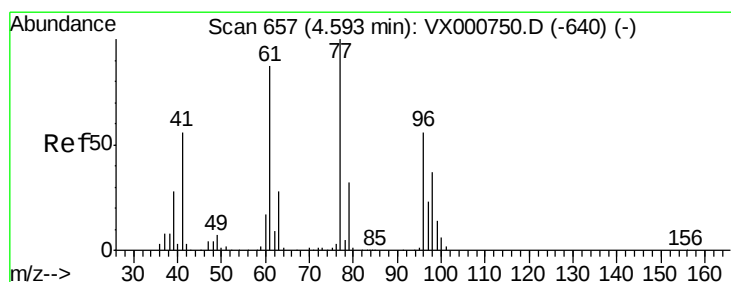
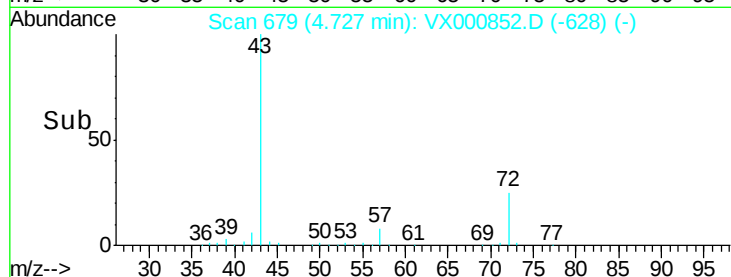
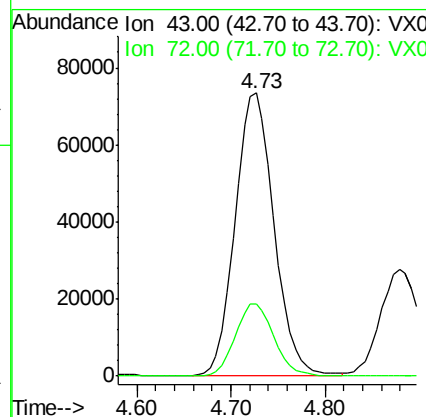
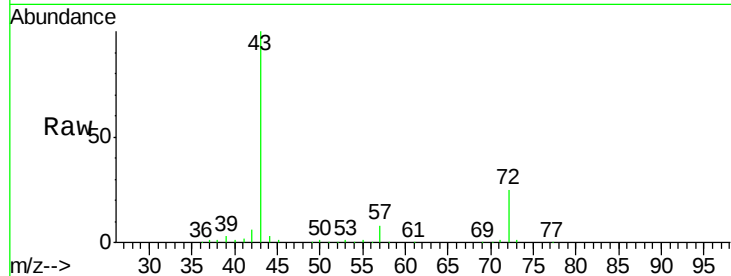
VX0413WBSD01

Manual Integrations

APPROVED

MMDadoda

4/16/2018 12:59:59 PM



#26

2,2-Dichloropropane

Concen: 18.97 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000852.D

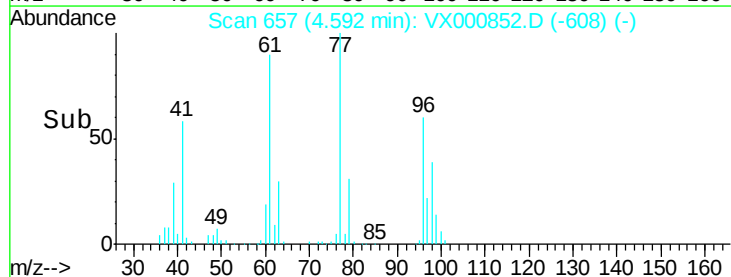
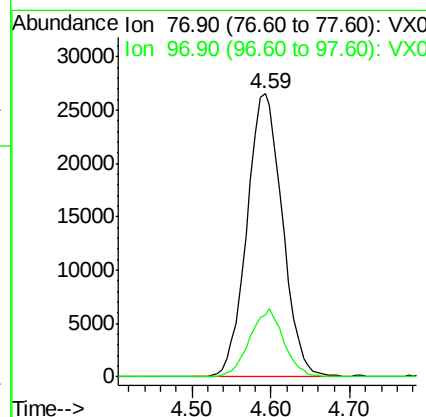
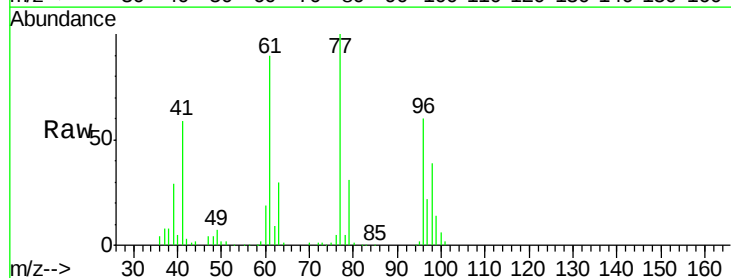
Acq: 13 Apr 2018 16:25

Tgt Ion: 77 Resp: 83064

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

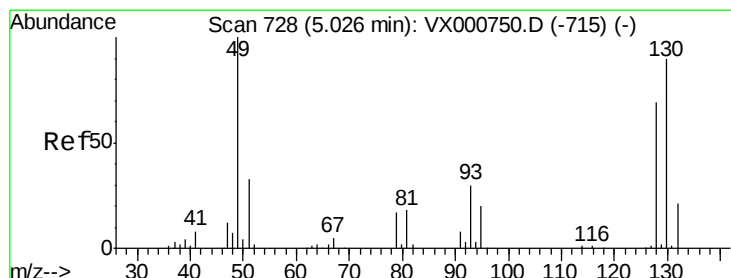
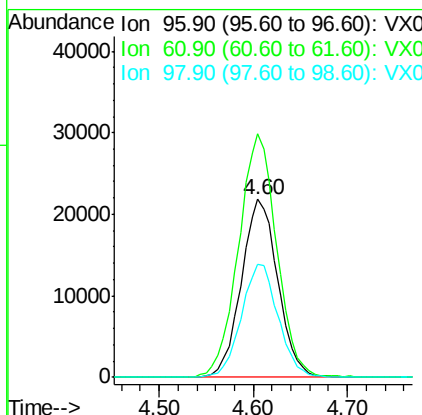
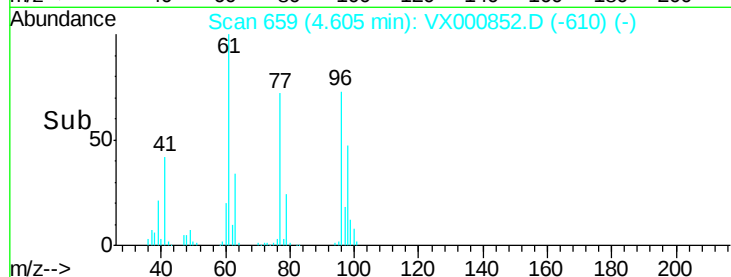
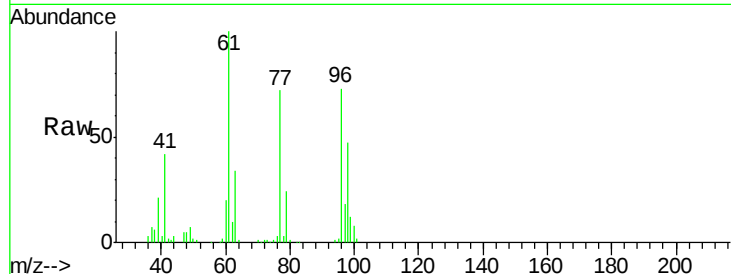
cis-1,2-Dichloroethene
Concen: 20.46 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.0	0.0	292.4	
98	64.2	0.0	130.2	

Manual Integrations
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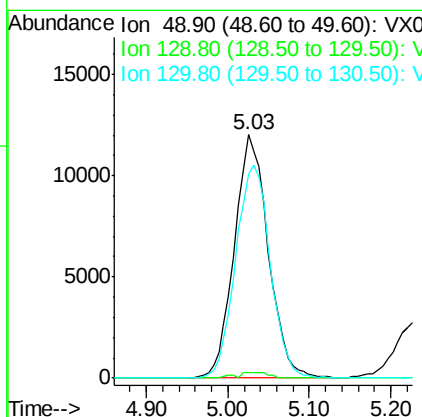
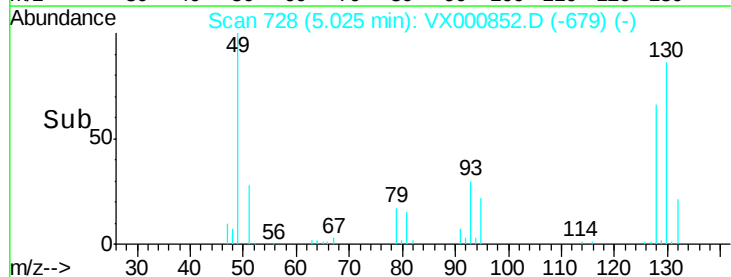
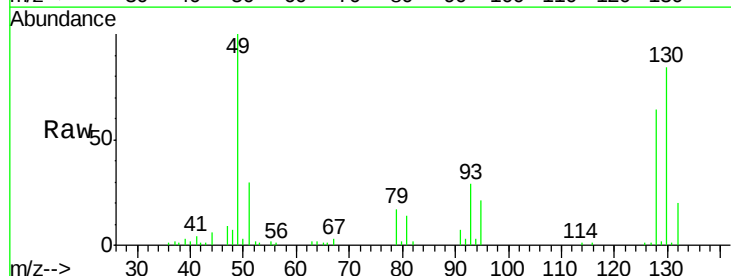
MMDadoda
4/16/2018 12:59:59 PM

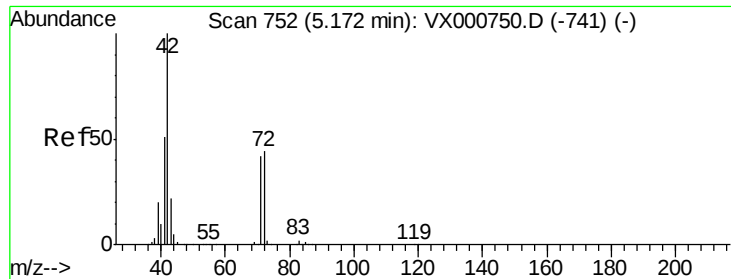


#28

Bromochloromethane
Concen: 19.55 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	5.2	
130	89.4	72.6	109.0	





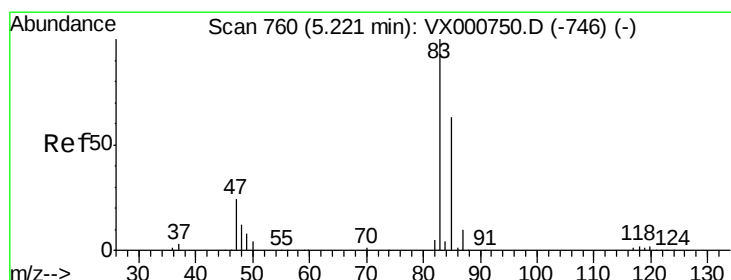
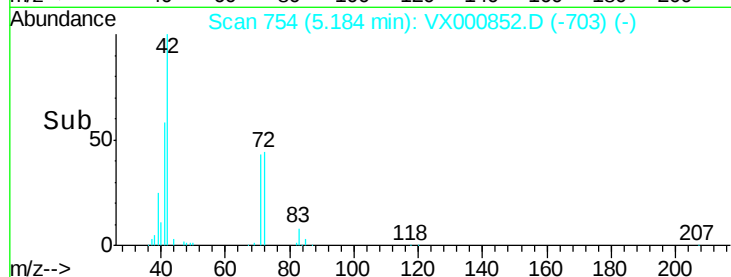
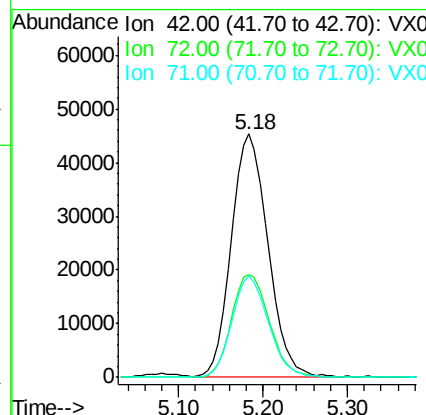
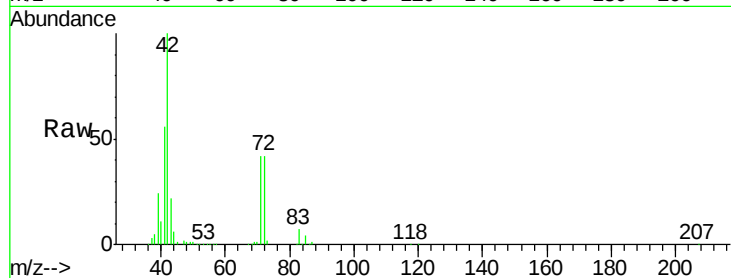
#29
Tetrahydrofuran
Concen: 115.55 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.1	52.7
71	41.6	32.8	49.2

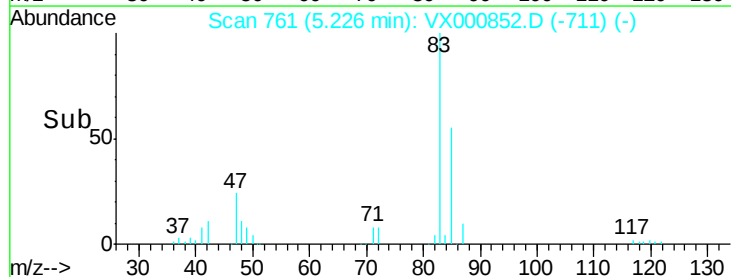
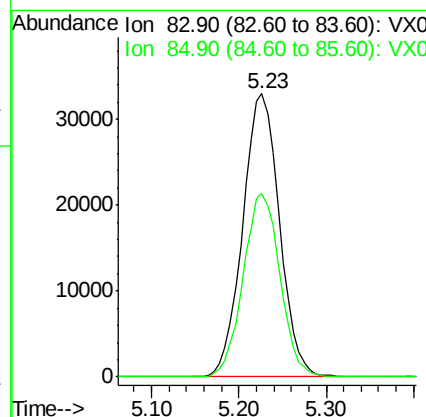
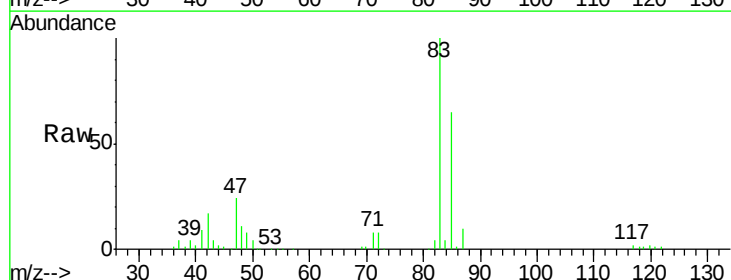
Manual Integrations
APPROVED

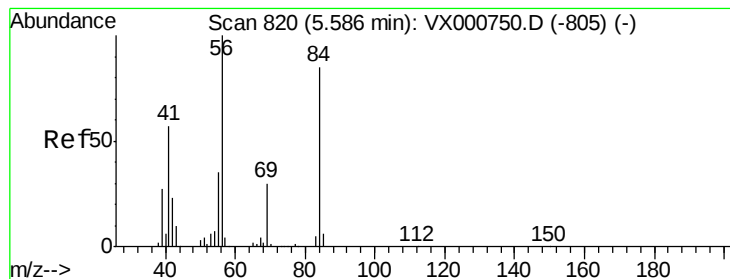
MMDadoda
4/16/2018 12:59:59 PM



#30
Chloroform
Concen: 20.63 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.7	76.1





#31

Cyclohexane

Concen: 19.08 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

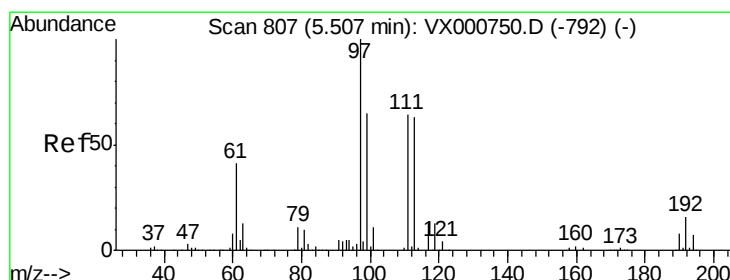
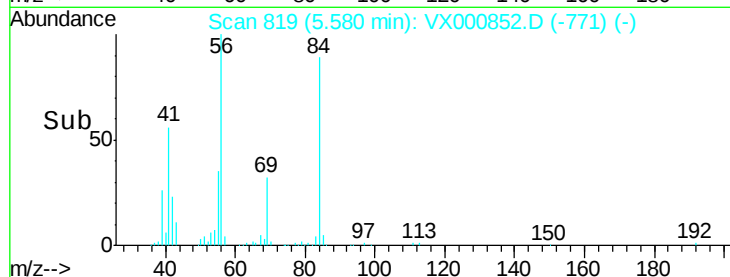
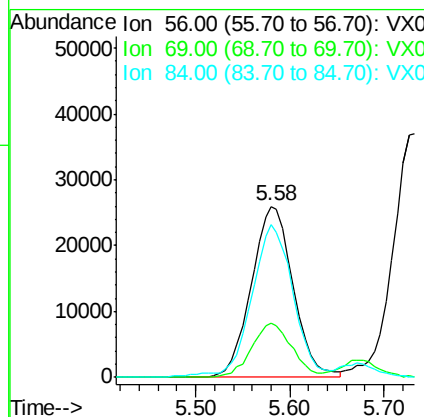
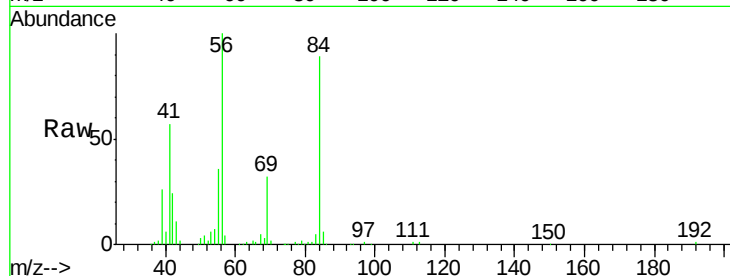
ClientSampleId :

VX0413WBSD01

Tot Ion:	56	Resp:	79940
Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.2	36.4
84	87.2	67.6	101.4

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.59 ug/l

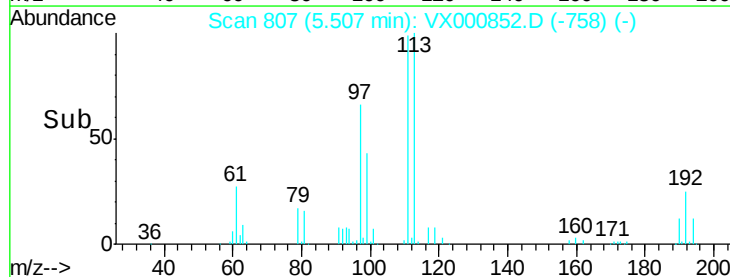
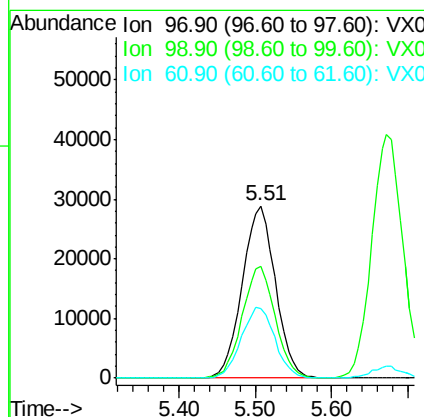
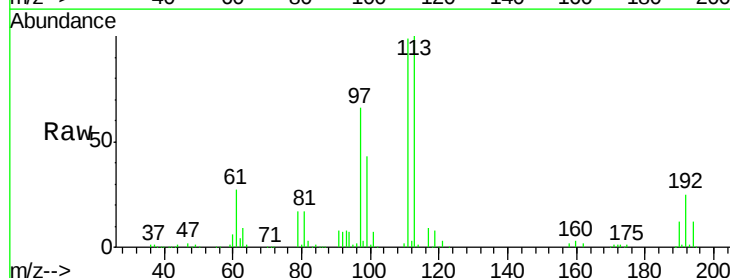
RT: 5.51 min Scan# 807

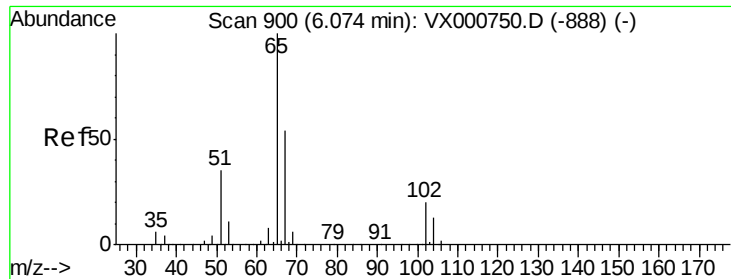
Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion:	97	Resp:	87133
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	41.8	33.7	50.5





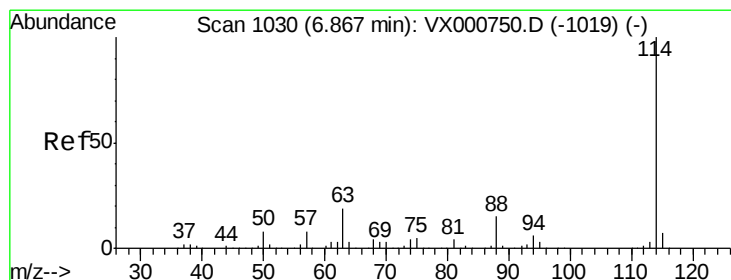
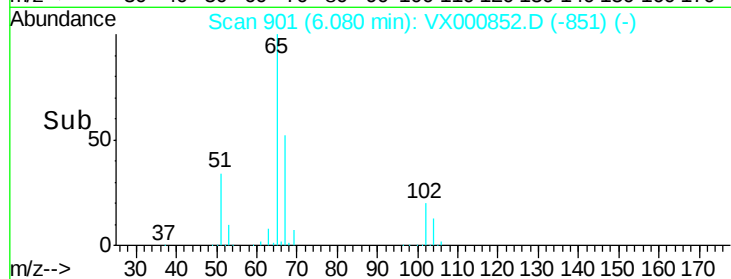
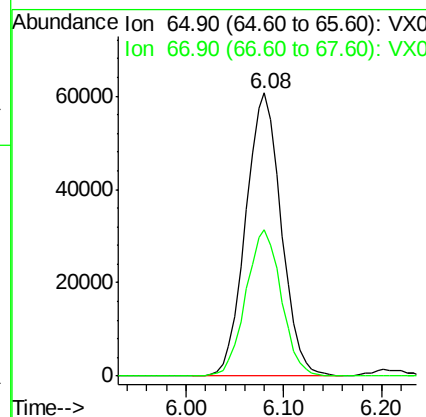
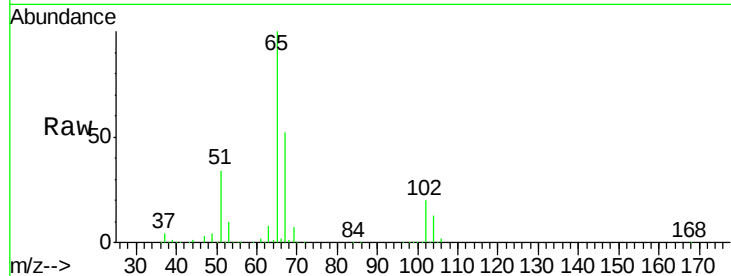
#33
 1,2-Dichloroethane-d4
 Concen: 48.24 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.8

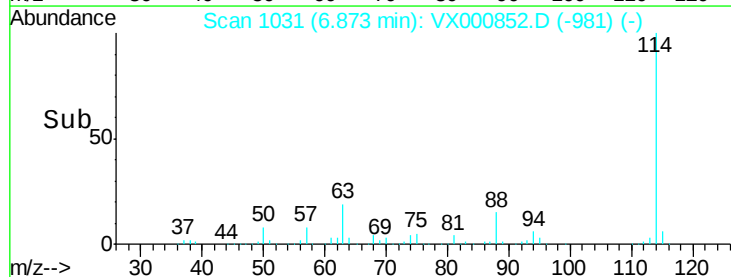
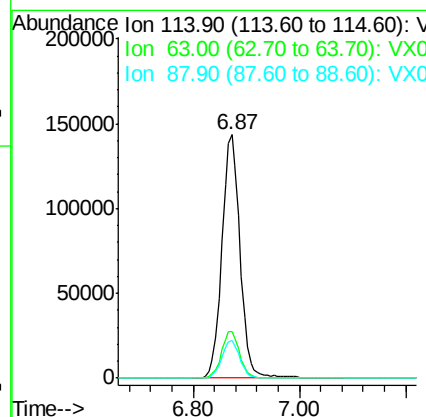
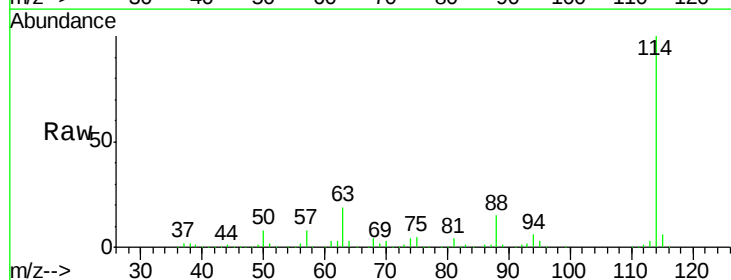
Manual Integrations
 APPROVED

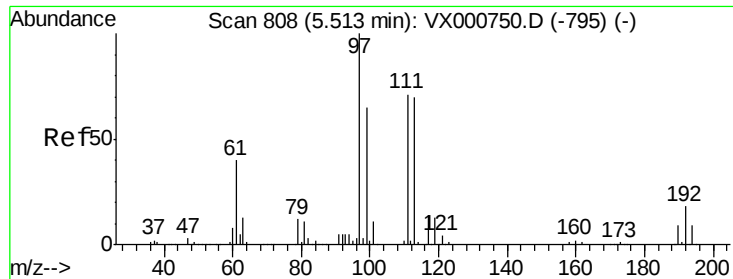
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 4/16/2018 12:59:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	15.3	0.0	31.0





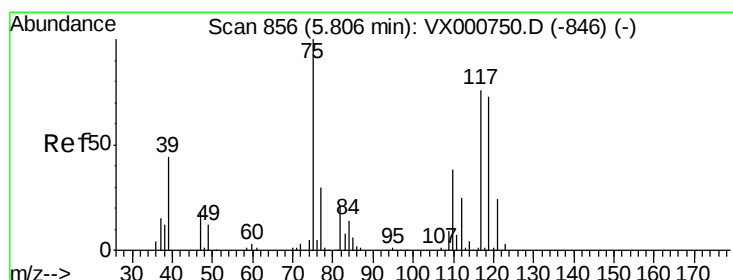
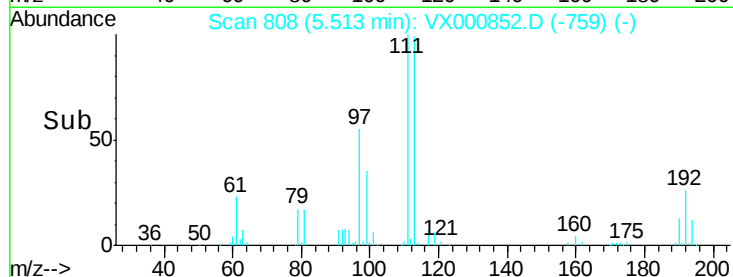
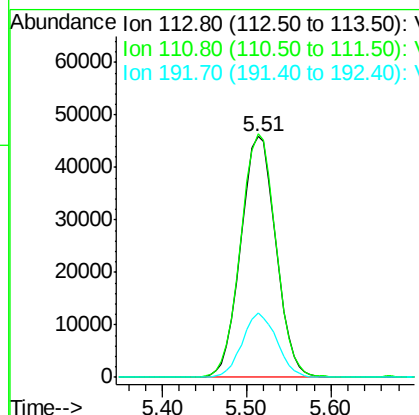
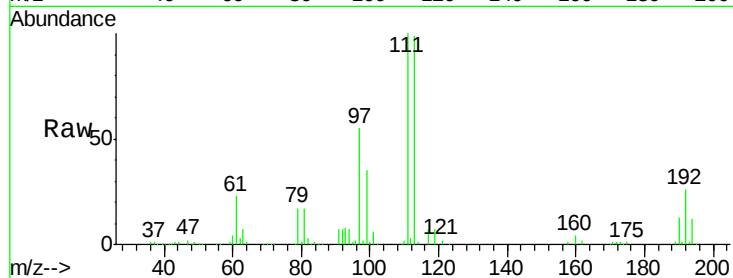
#35
 Dibromofluoromethane
 Concen: 49.22 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129609		
111	101.3	81.5	122.3	
192	26.2	20.4	30.6	

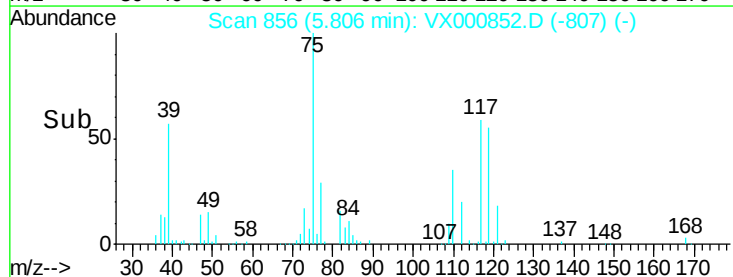
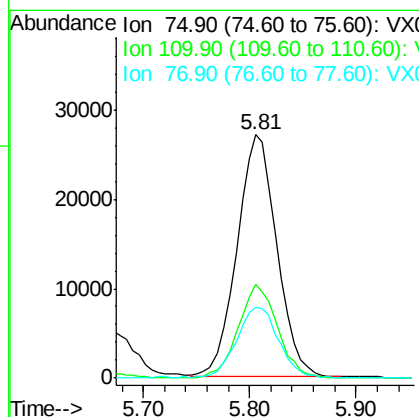
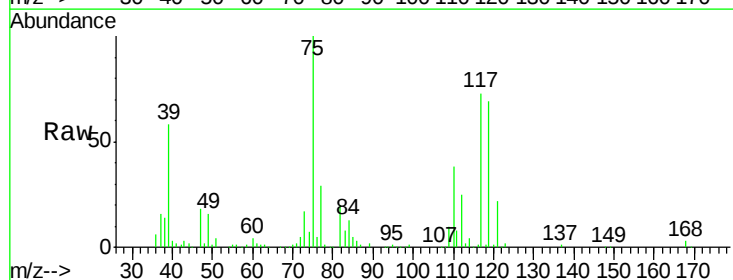
Manual Integrations
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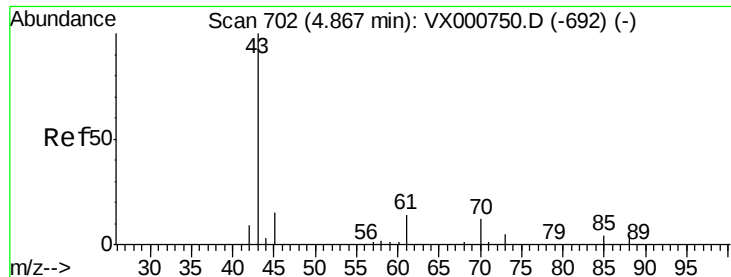
MMDadoda
 4/16/2018 12:59:59 PM



#36
 1,1-Dichloropropene
 Concen: 18.86 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70991		
110	38.5	19.2	57.6	
77	30.7	25.4	38.2	





#37

Ethyl Acetate

Concen: 21.69 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

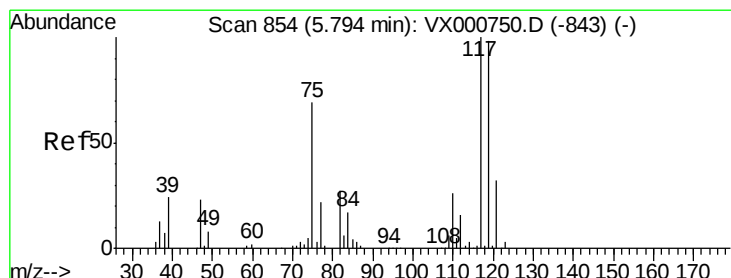
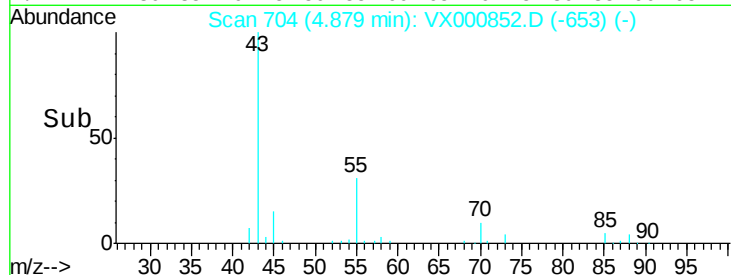
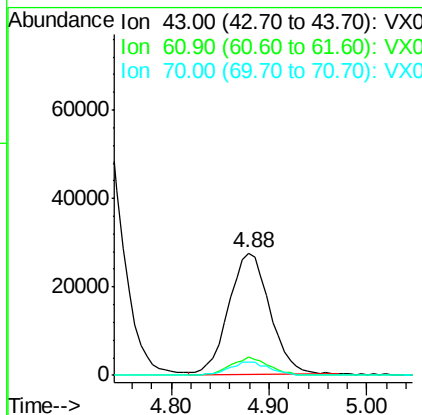
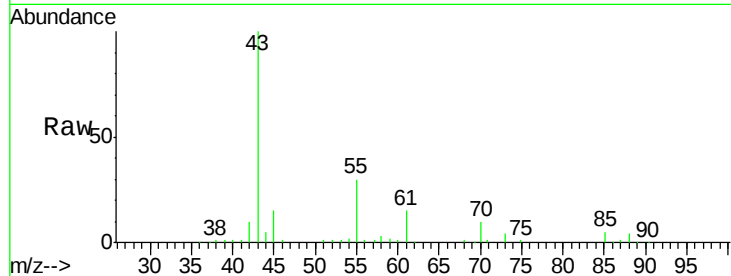
ClientSampleId :

VX0413WBSD01

Tot Ion:	43	Resp:	79715
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	11.0	8.7	13.1

Manual Integrations
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4/16/2018 12:59:59 PM



#38

Carbon Tetrachloride

Concen: 18.68 ug/l

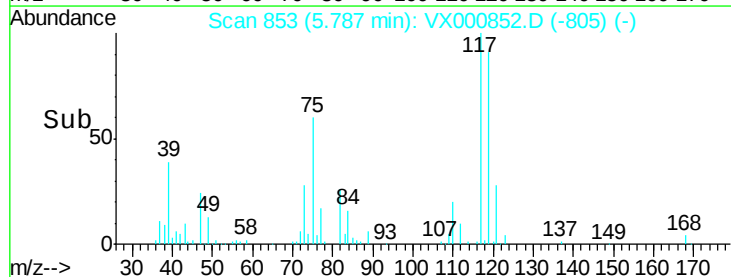
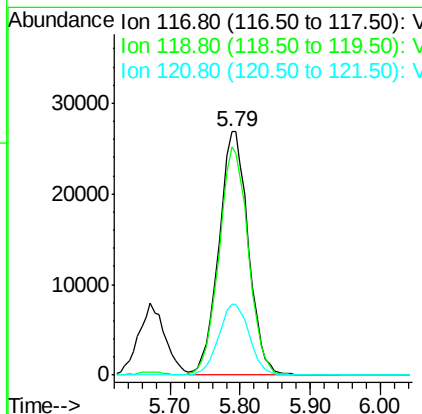
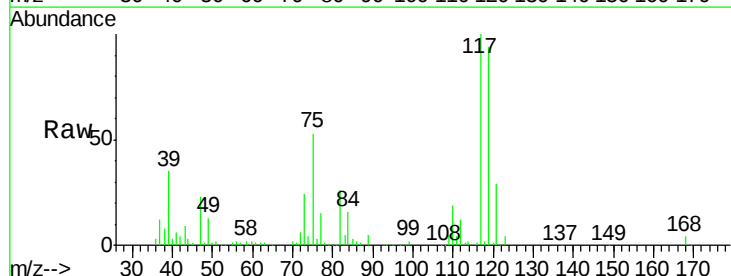
RT: 5.79 min Scan# 853

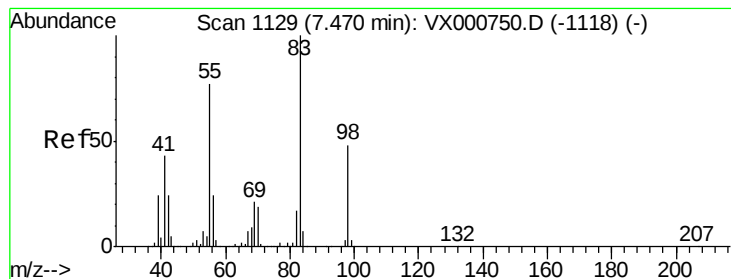
Delta R.T. -0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion:	117	Resp:	78686
Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.4	117.6
121	28.9	25.4	38.0





#39

Methylvlcyclohexane

Concen: 18.53 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

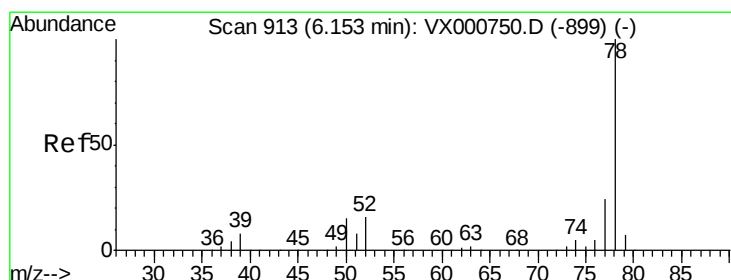
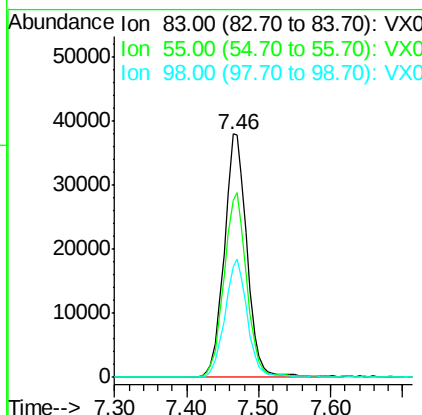
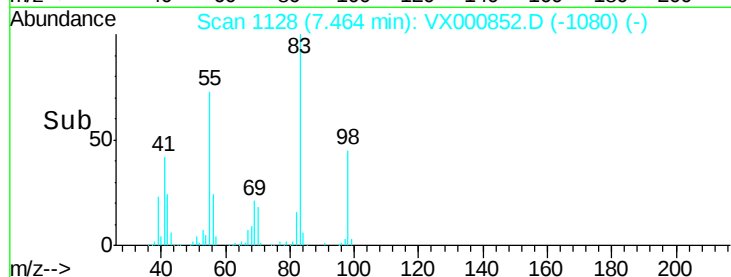
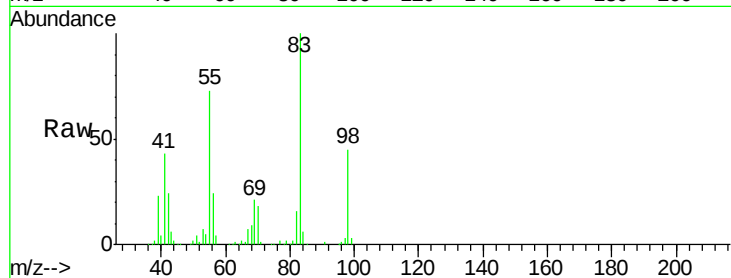
ClientSampleId :

VX0413WBSD01

Tot Ion:	83	Resp:	83768
Ion	Ratio	Lower	Upper
83	100		
55	72.8	61.5	92.3
98	45.3	38.1	57.1

Manual Integrations
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#40

Benzene

Concen: 19.86 ug/l

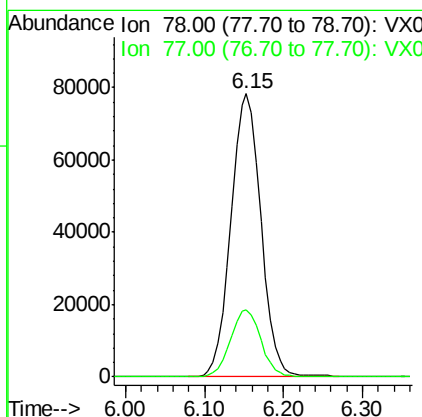
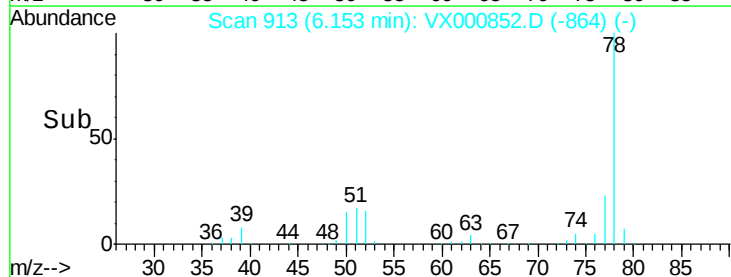
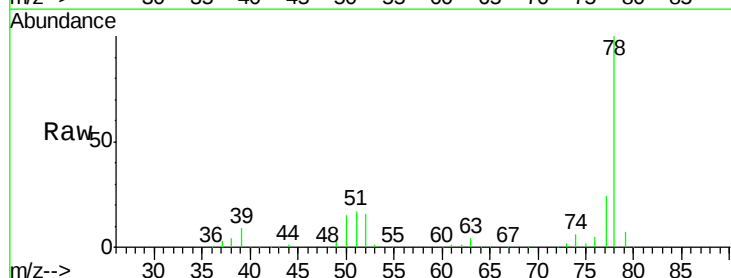
RT: 6.15 min Scan# 913

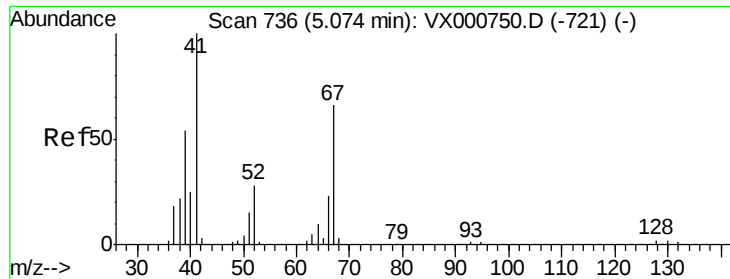
Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion:	78	Resp:	207724
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





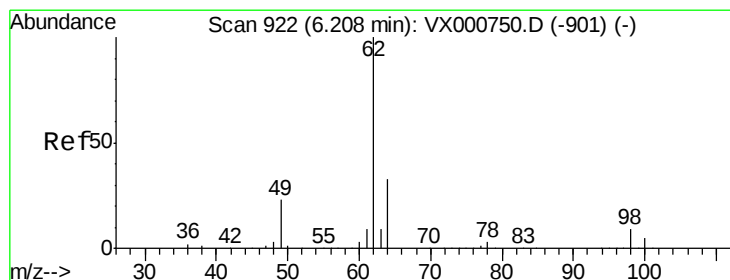
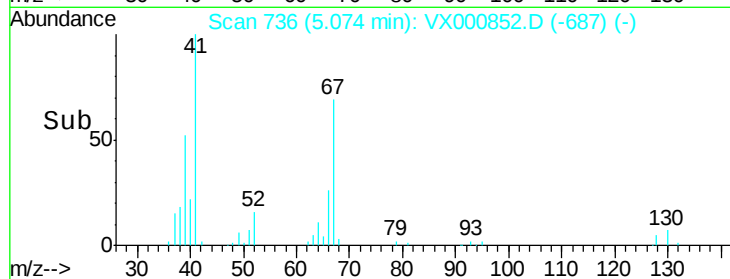
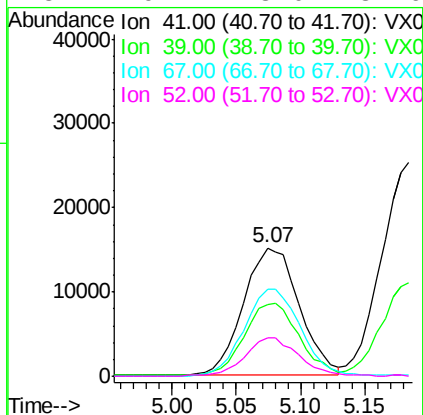
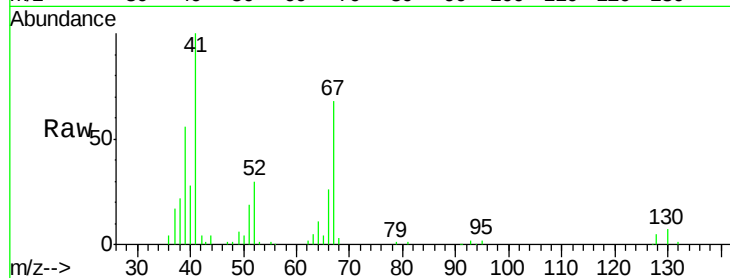
#41
Methacrylonitrile
Concen: 21.44 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.9	67.3
67	69.4	54.7	82.1
52	29.4	23.0	34.6

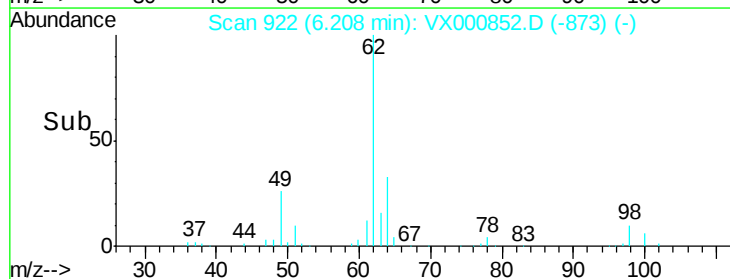
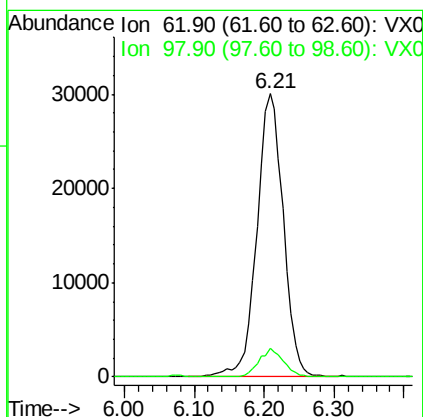
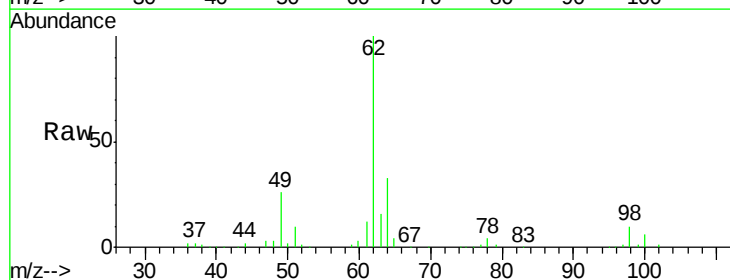
Manual Integrations
APPROVED

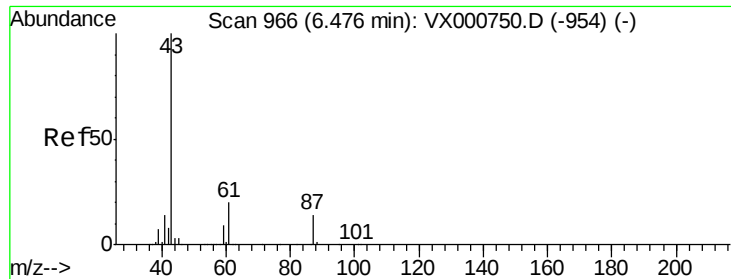
MMDadoda
4/16/2018 12:59:59 PM



#42
1,2-Dichloroethane
Concen: 20.20 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

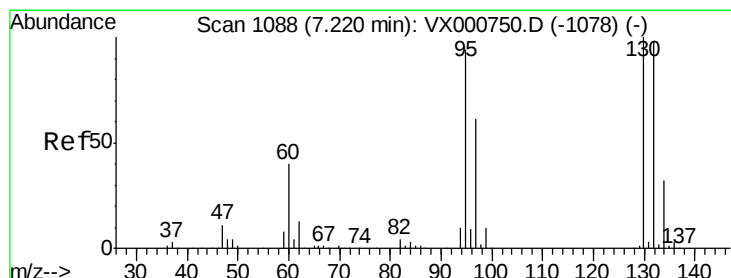
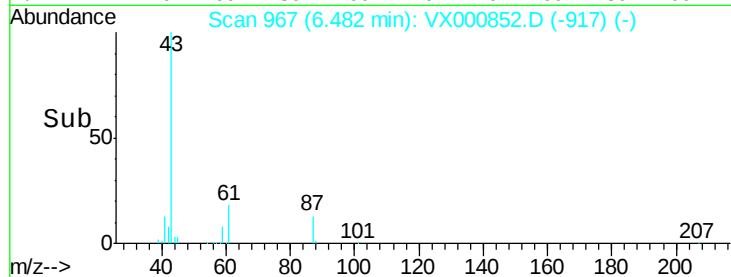
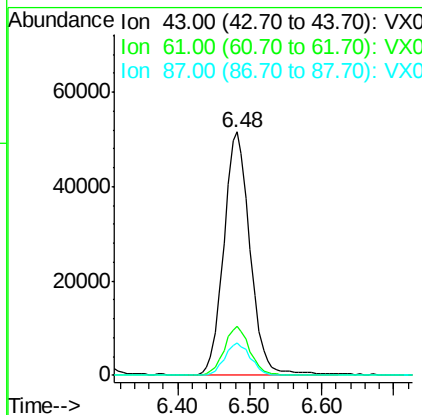
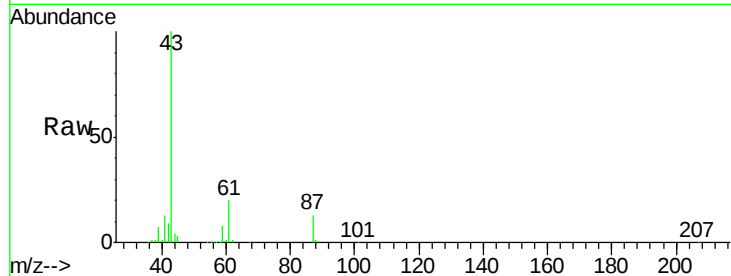
Isopropyl Acetate
 Concen: 20.57 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.6	23.4
87	13.4	10.7	16.1

Manual Integrations
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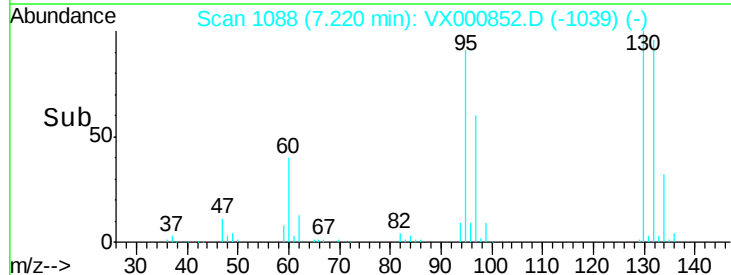
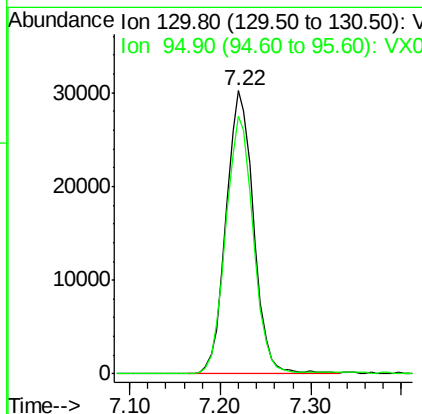
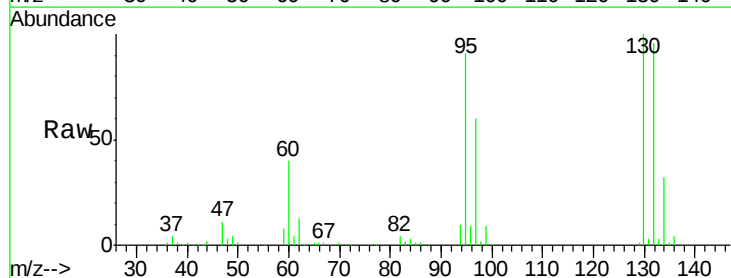
MMDadoda
 4/16/2018 12:59:59 PM

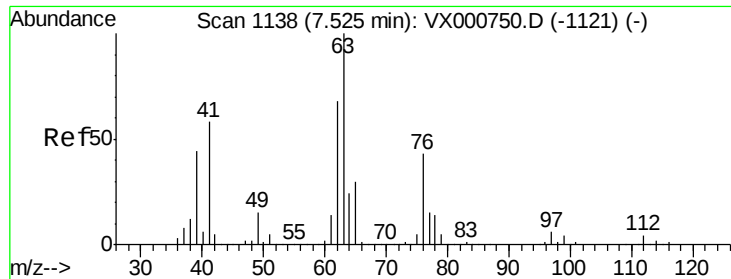


#44

Trichloroethene
 Concen: 19.56 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.04 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 63 Resp: 53372

Ion Ratio Lower Upper

63 100

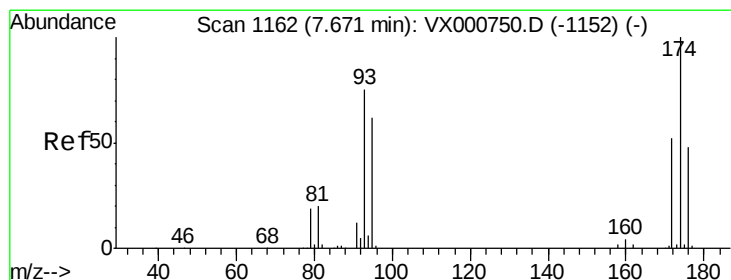
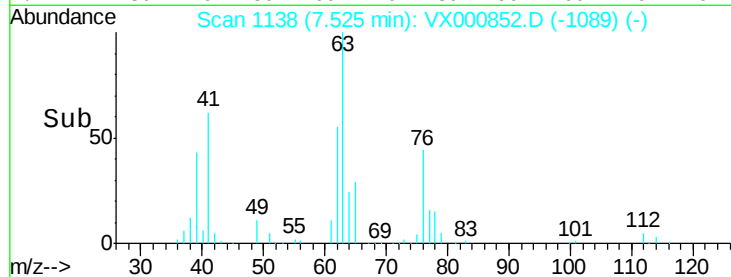
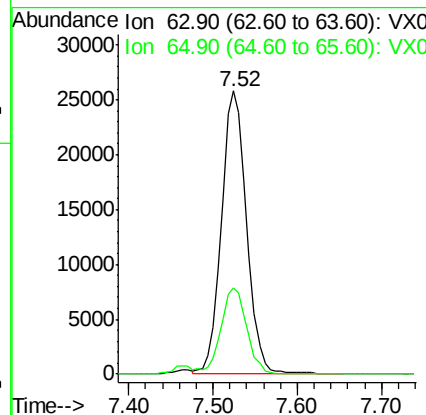
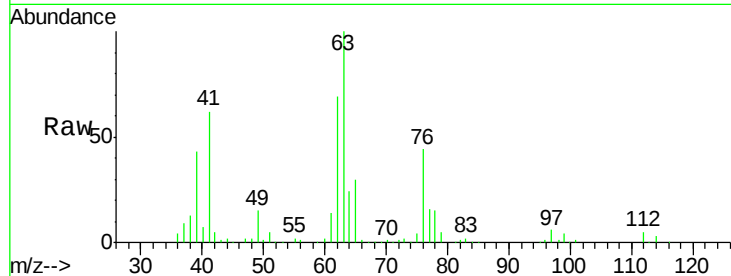
65 30.4 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 19.81 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

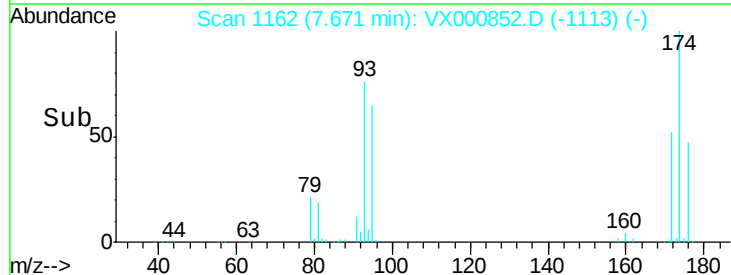
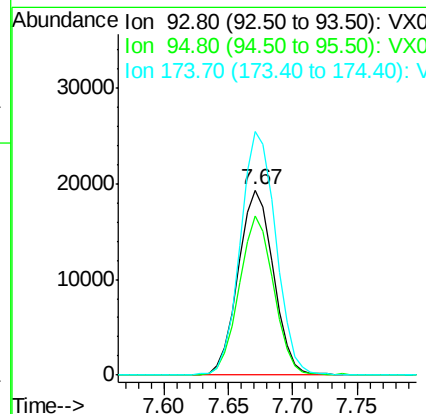
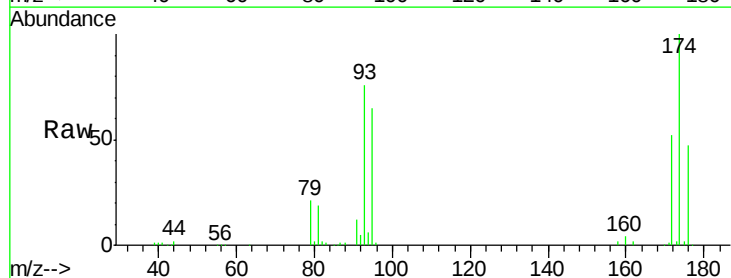
Tgt Ion: 93 Resp: 36775

Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

174 131.7 104.5 156.7





#47

Bromodichloromethane

Concen: 18.81 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000852.D

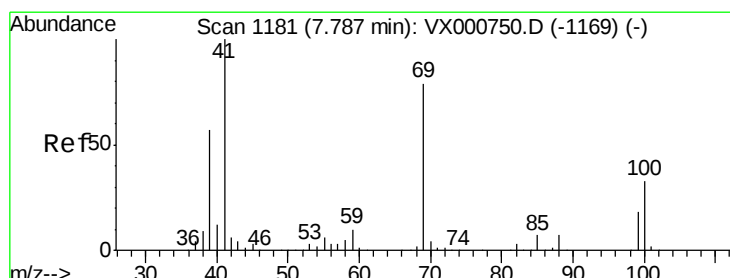
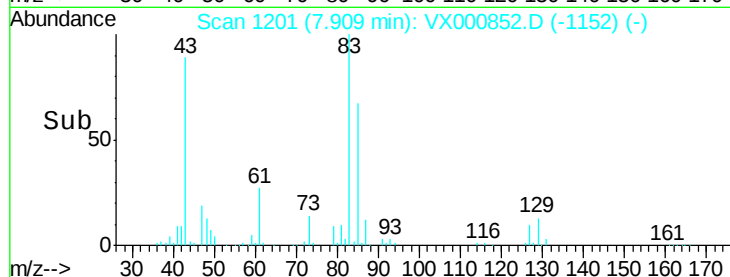
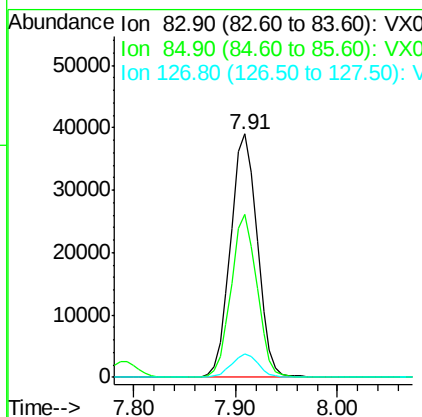
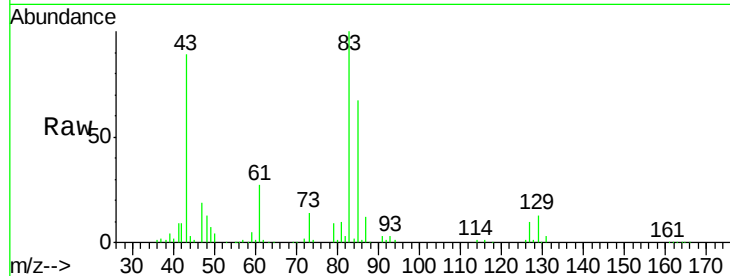
Acq: 13 Apr 2018 16:25

Tot Ion:	83	Resp:	70504
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.2	78.4
127	9.6	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.73 ug/l

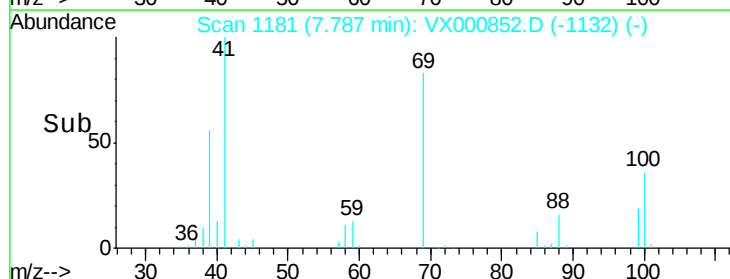
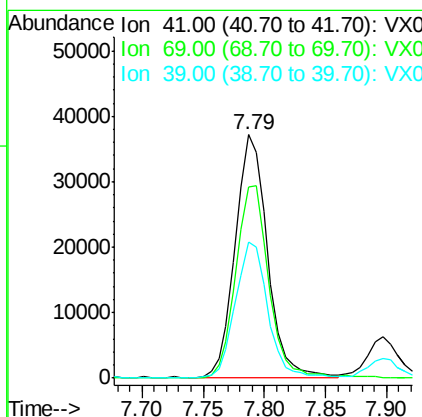
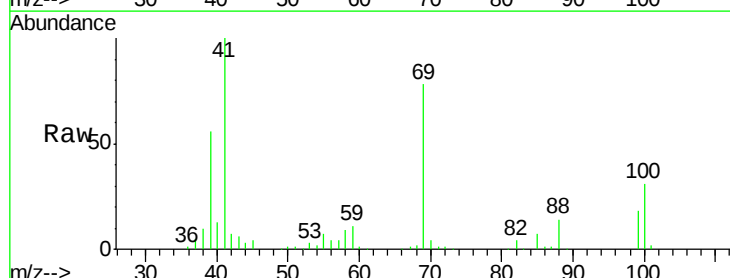
RT: 7.79 min Scan# 1181

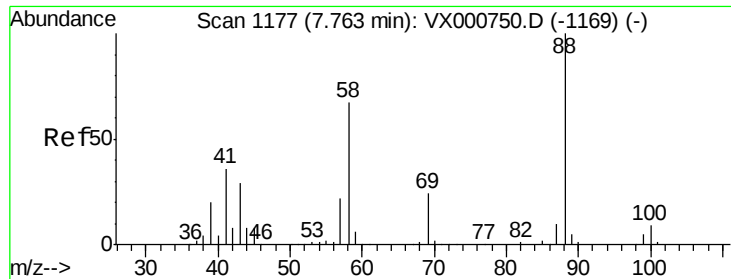
Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion:	41	Resp:	67704
Ion	Ratio	Lower	Upper
41	100		
69	81.8	63.9	95.9
39	56.1	45.9	68.9





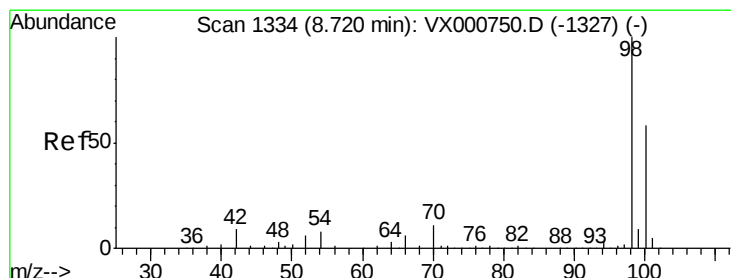
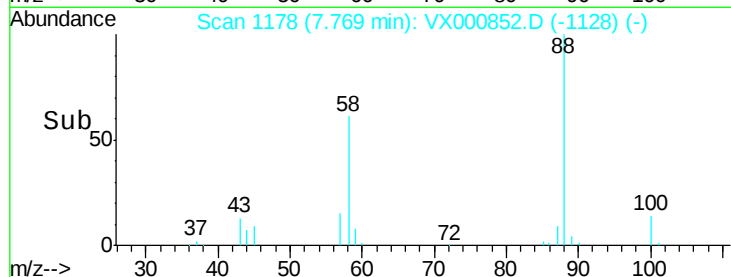
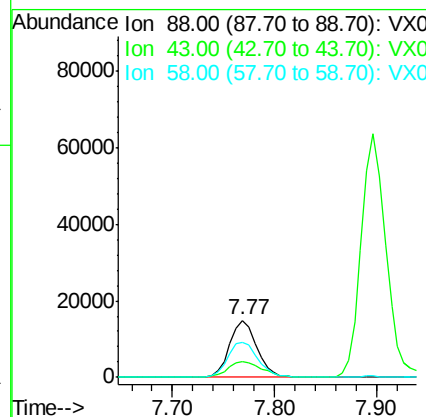
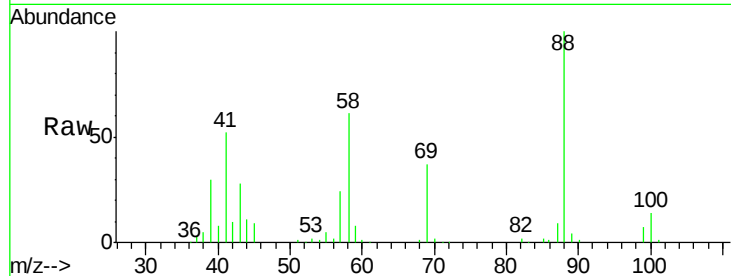
#49
1,4-Dioxane
Concen: 423.83 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.8	38.8
58	68.5	54.4	81.6

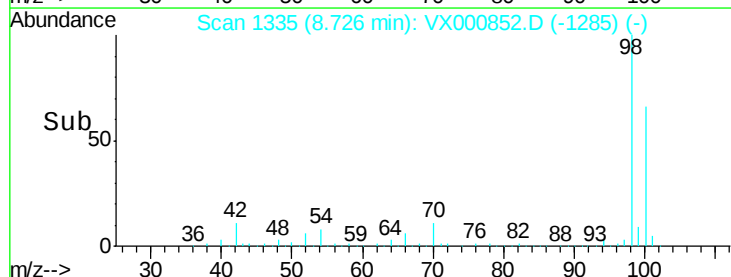
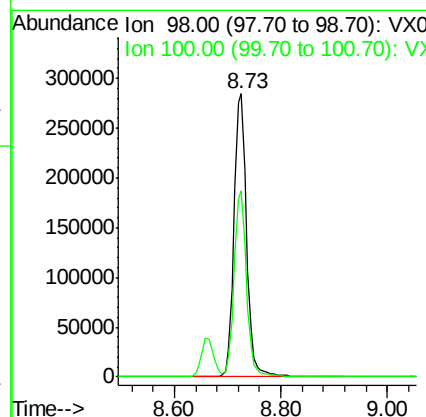
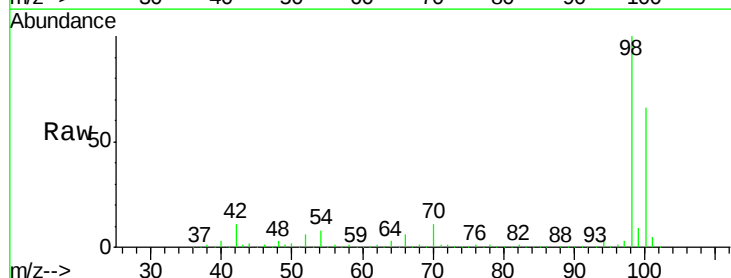
Manual Integrations
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4/16/2018 12:59:59 PM



#50
Toluene-d8
Concen: 48.35 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 112.38 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 43 Resp: 415889

Ion Ratio Lower Upper

43 100

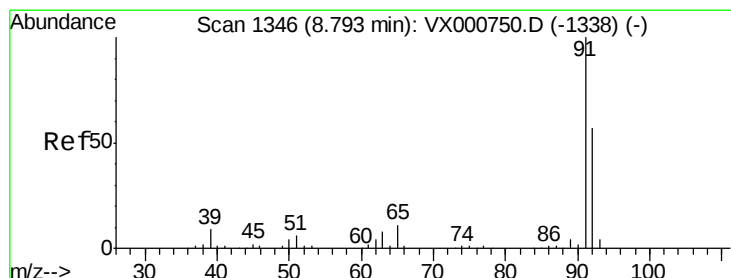
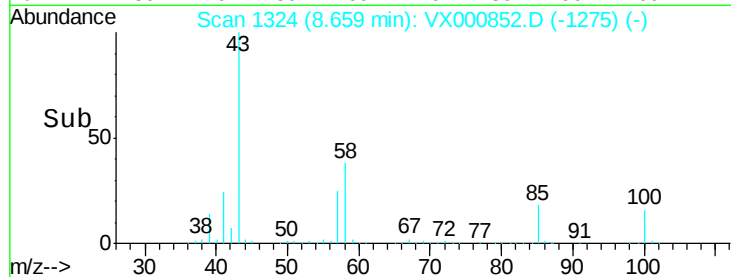
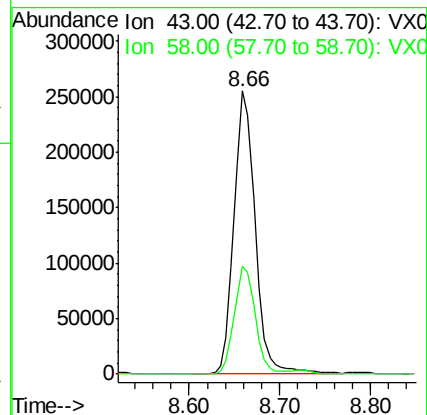
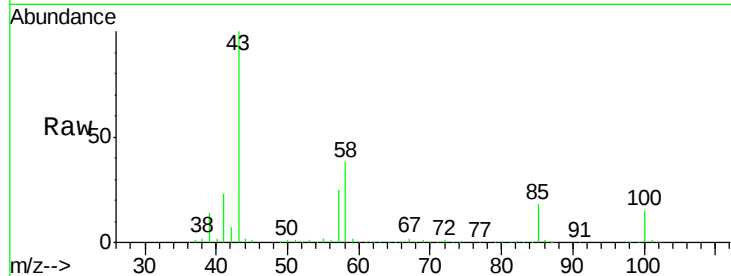
58 37.5 30.3 45.5

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#52

Toluene

Concen: 19.95 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000852.D

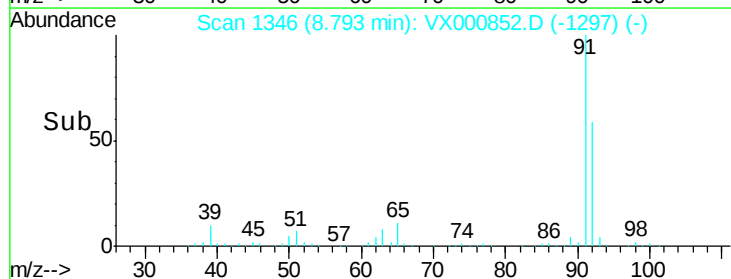
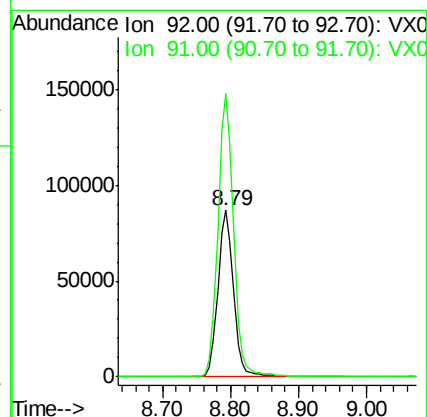
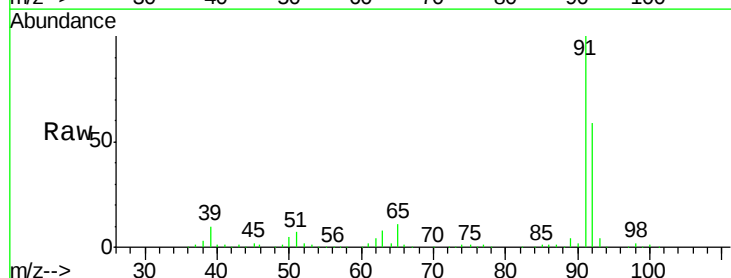
Acq: 13 Apr 2018 16:25

Tgt Ion: 92 Resp: 138456

Ion Ratio Lower Upper

92 100

91 170.9 139.0 208.4





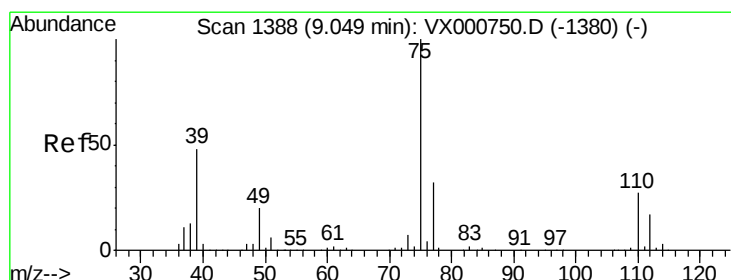
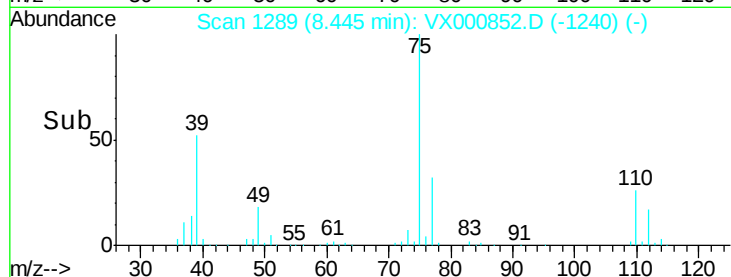
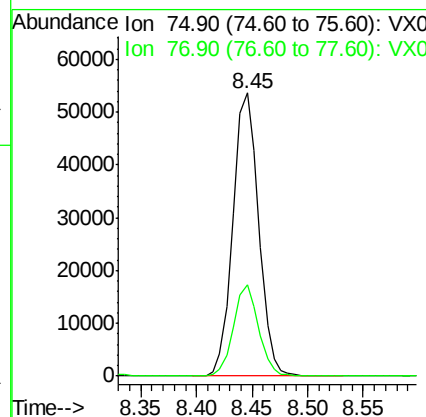
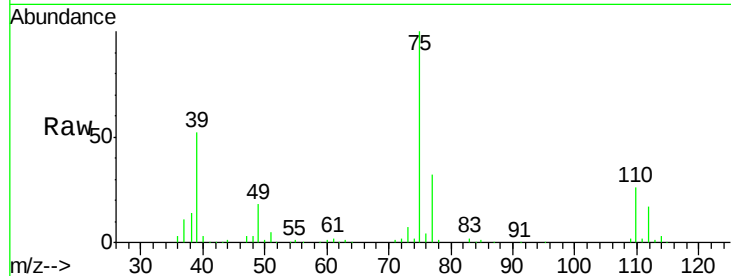
#53
t-1,3-Dichloropropene
Concen: 19.15 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion: 75 Resp: 86083
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2

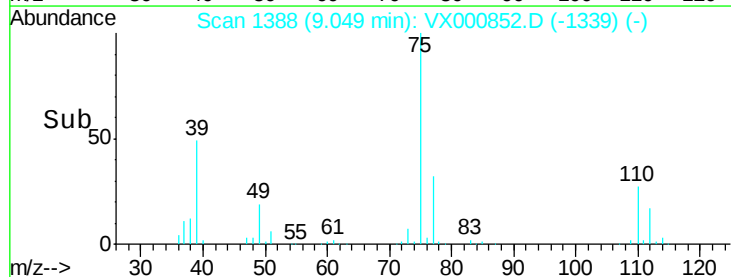
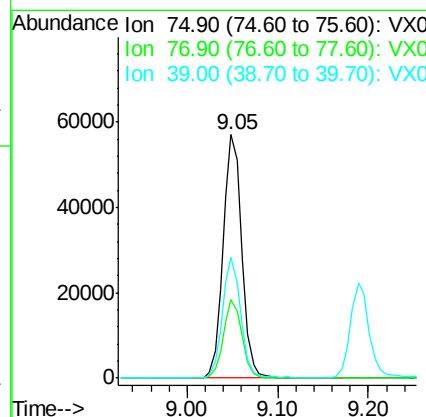
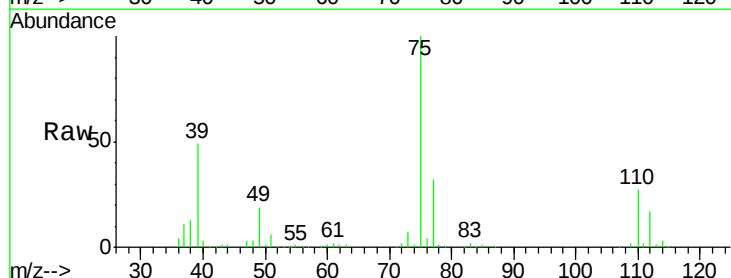
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 18.70 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion: 75 Resp: 81846
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2
39 49.2 38.6 58.0





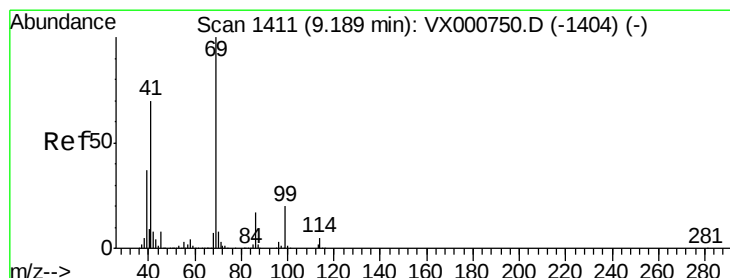
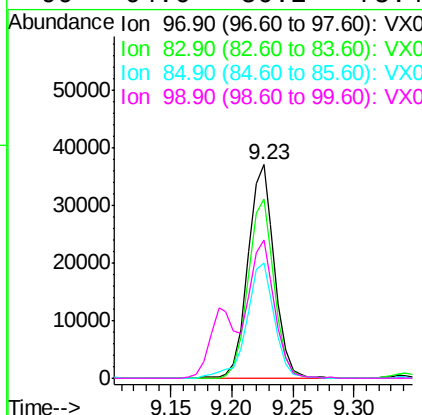
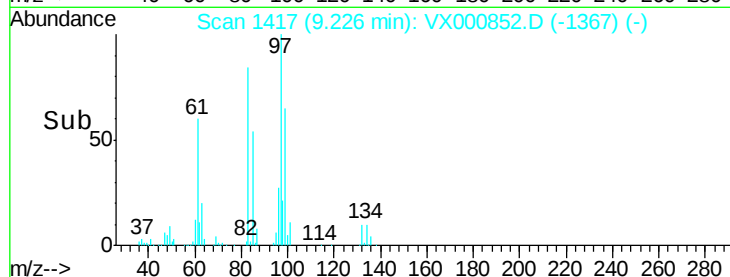
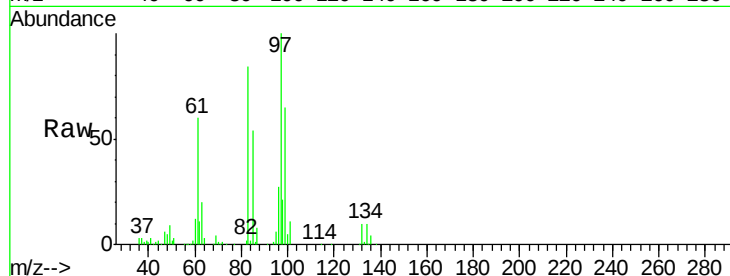
#55
 1,1,2-Trichloroethane
 Concen: 20.18 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion:	97	Resp:	55594
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.6	101.4
85	53.7	43.8	65.6
99	64.6	50.2	75.4

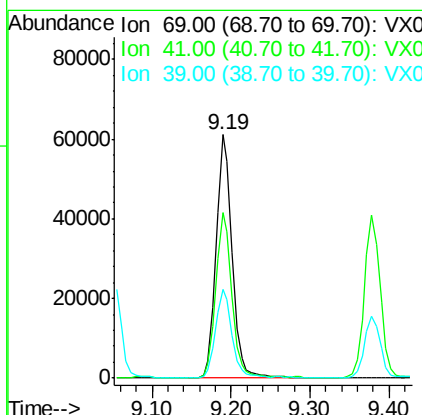
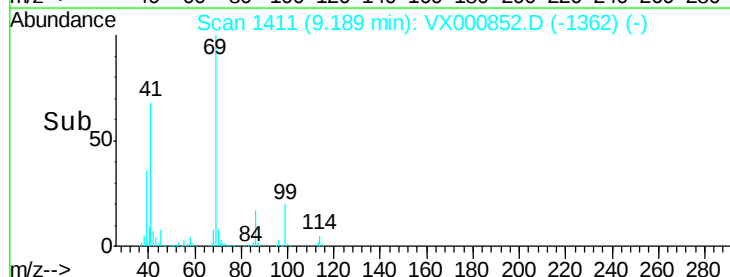
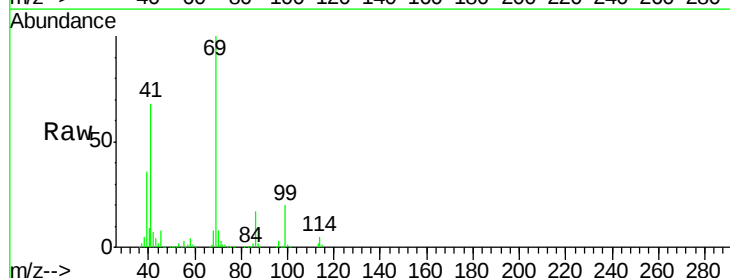
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#56
 Ethyl methacrylate
 Concen: 20.53 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Tgt Ion:	69	Resp:	87228
Ion	Ratio	Lower	Upper
69	100		
41	67.6	55.6	83.4
39	36.9	30.3	45.5





#57

1,3-Dichloropropane

Concen: 20.78 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 76 Resp: 91022

Ion Ratio Lower Upper

76 100

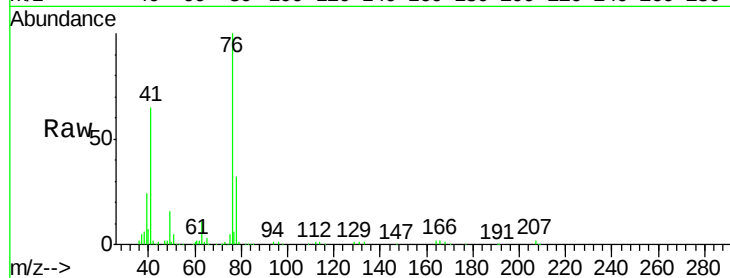
78 32.3 25.8 38.6

Manual Integrations

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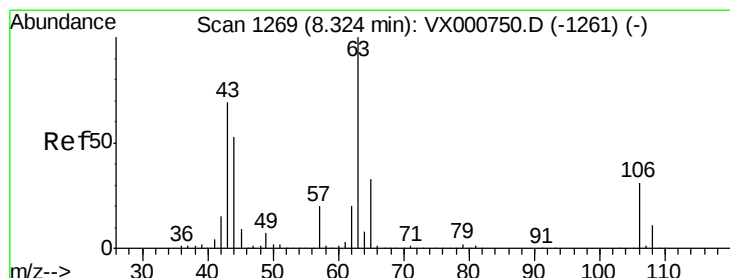
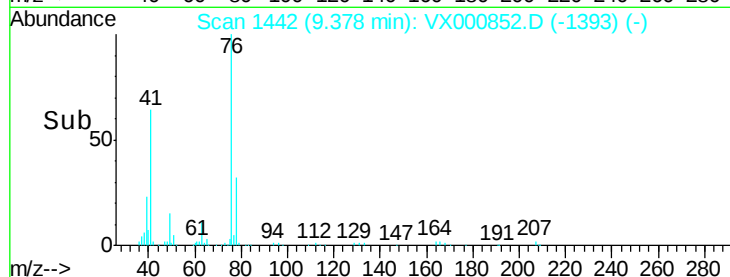
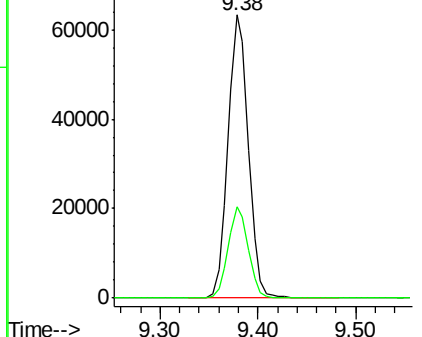
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 105.75 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000852.D

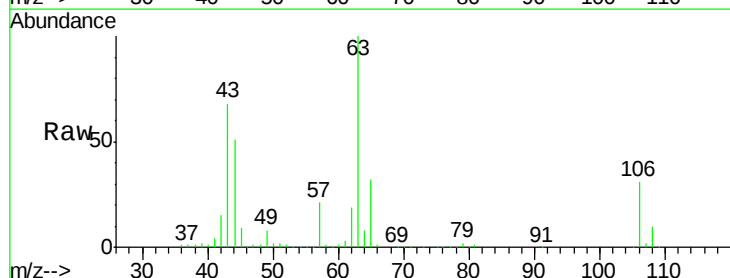
Acq: 13 Apr 2018 16:25

Tgt Ion: 63 Resp: 209954

Ion Ratio Lower Upper

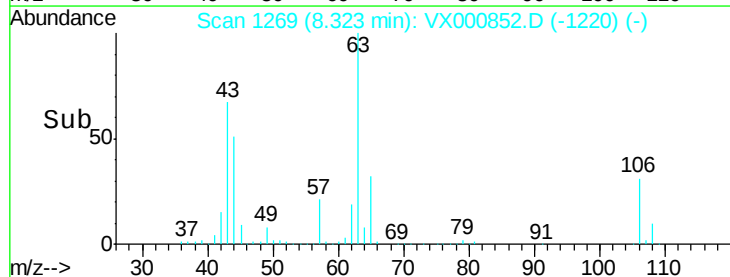
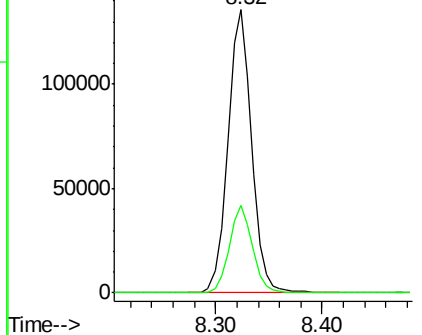
63 100

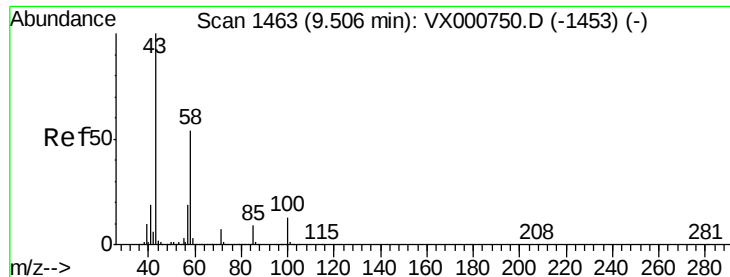
106 30.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





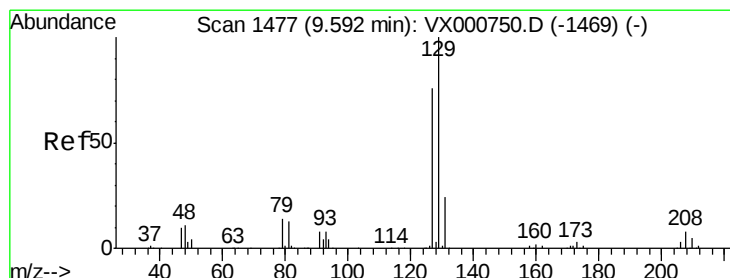
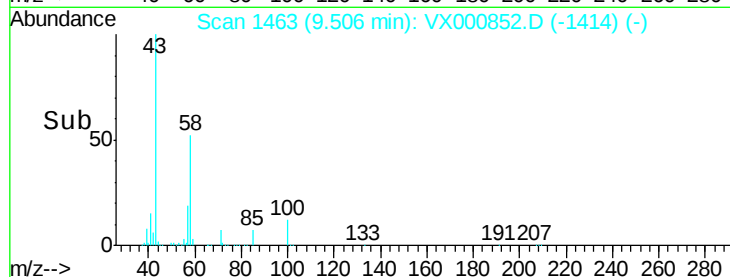
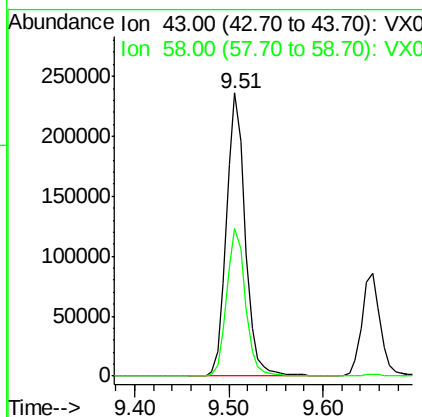
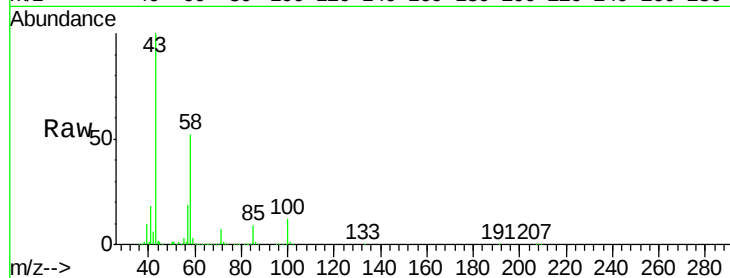
#59
2-Hexanone
Concen: 114.27 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.5	79.5

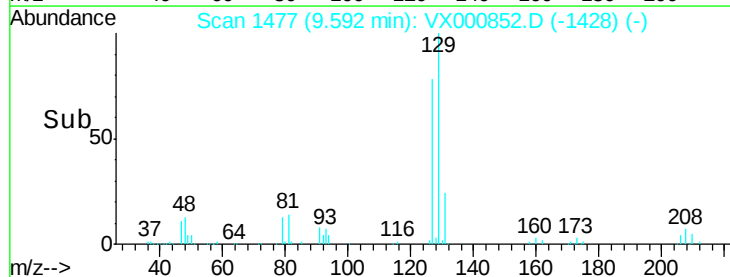
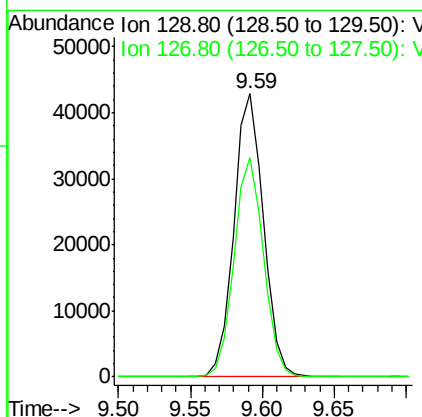
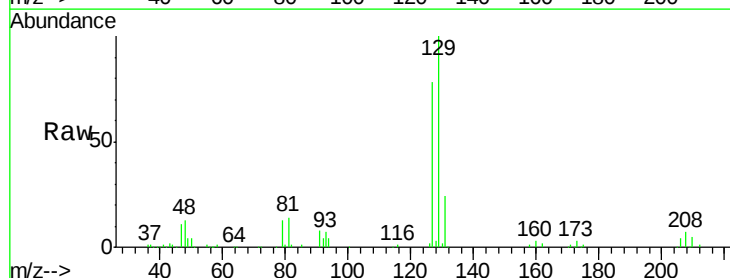
Manual Integrations
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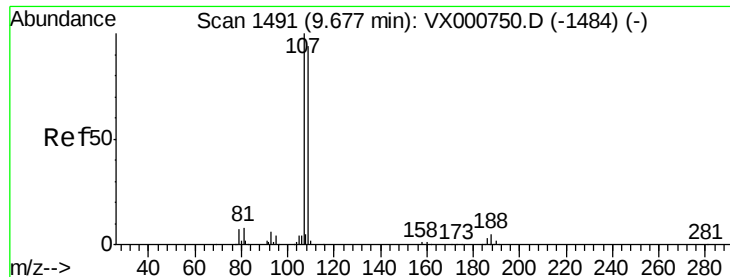
MMDadoda
4/16/2018 12:59:59 PM



#60
Dibromochloromethane
Concen: 18.59 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.4	115.1





#61

1,2-Dibromoethane

Concen: 20.46 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 107 Resp: 59799

Ion Ratio Lower Upper

107 100

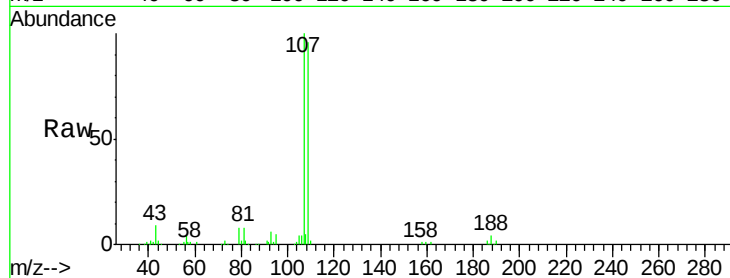
109 94.6 76.2 114.4

Manual Integrations

APPROVED

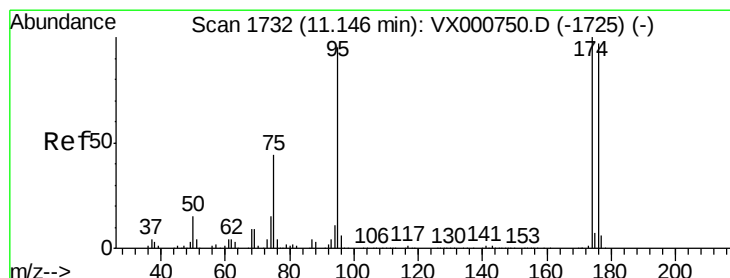
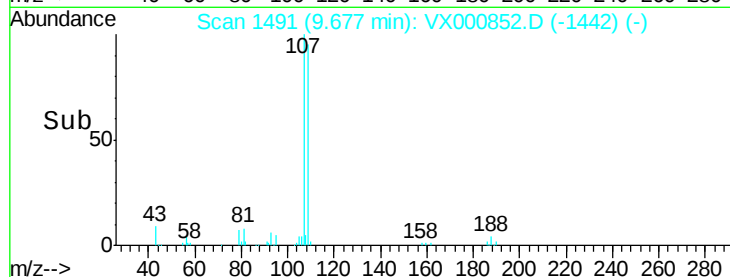
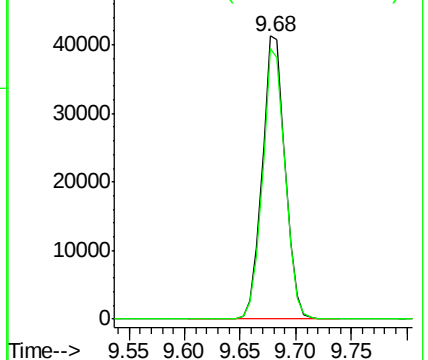
MMDadoda

4/16/2018 12:59:59 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.77 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

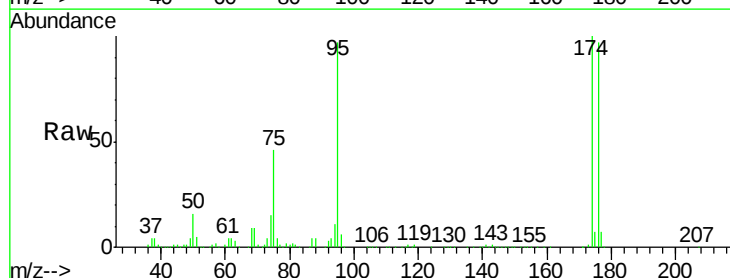
Tgt Ion: 95 Resp: 189708

Ion Ratio Lower Upper

95 100

174 99.0 0.0 198.4

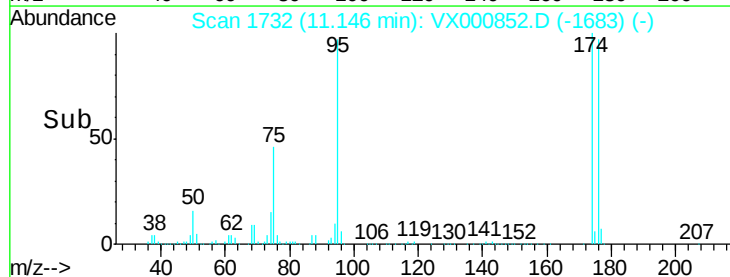
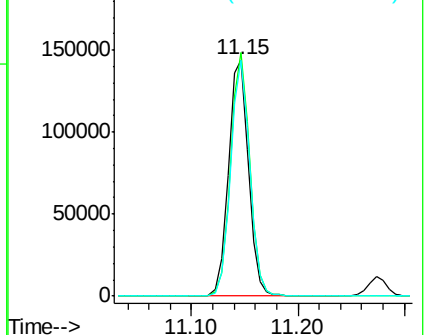
176 96.2 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





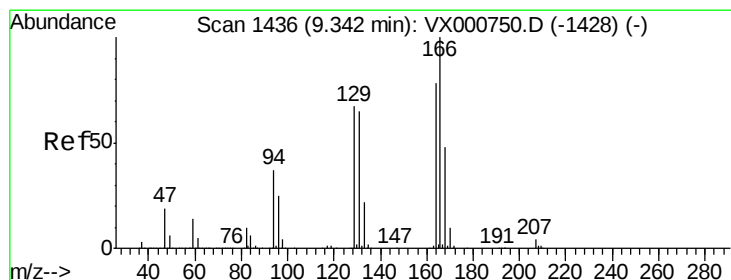
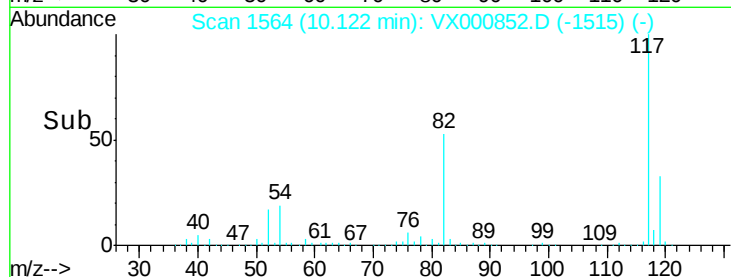
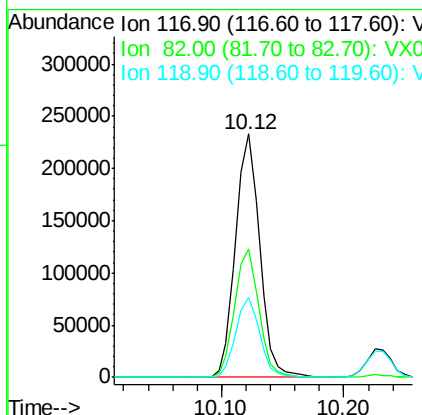
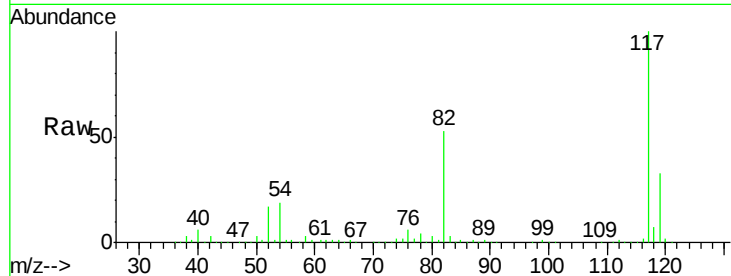
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.9	62.9
119	32.8	26.0	39.0

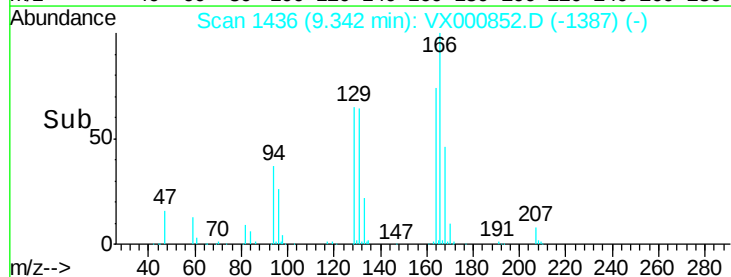
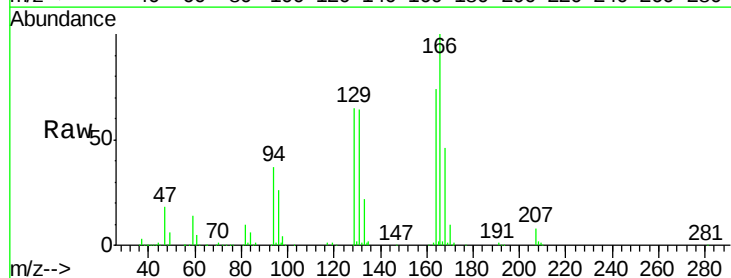
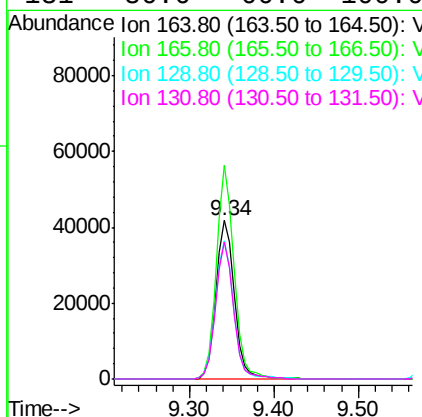
Manual Integrations
APPROVED

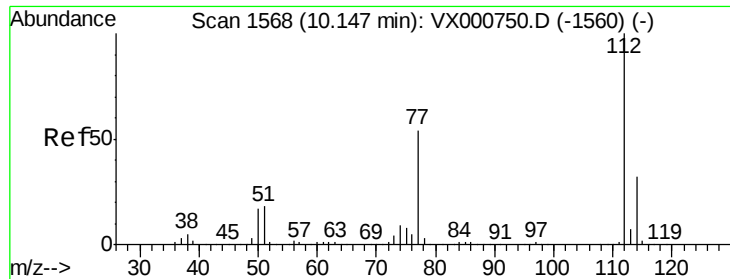
MMDadoda
4/16/2018 12:59:59 PM



#64
Tetrachloroethene
Concen: 20.51 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.0	102.8	154.2
129	87.2	68.5	102.7
131	86.6	66.6	100.0





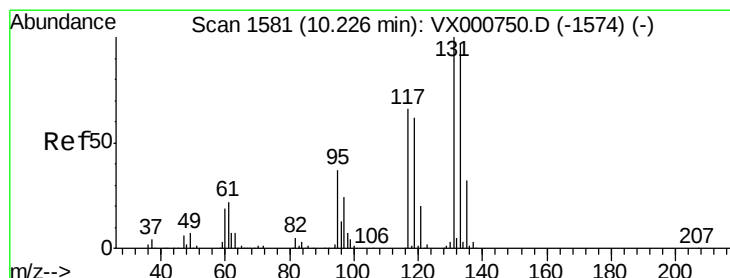
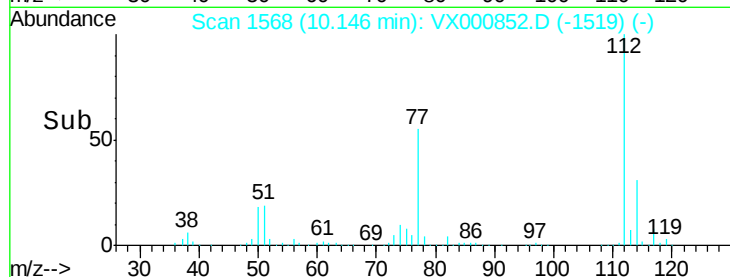
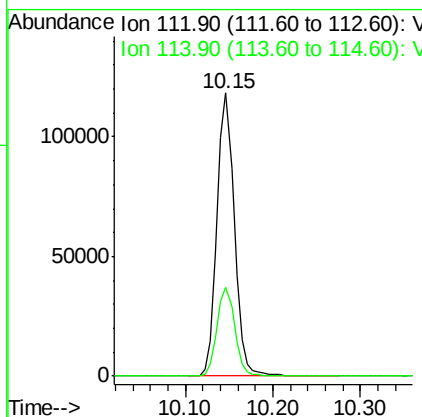
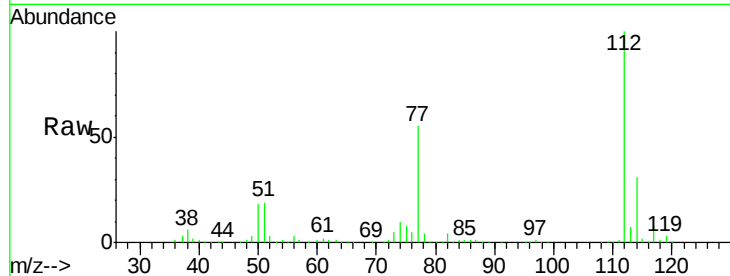
#65
Chlorobenzene
Concen: 20.28 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion:112 Resp: 162677
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8

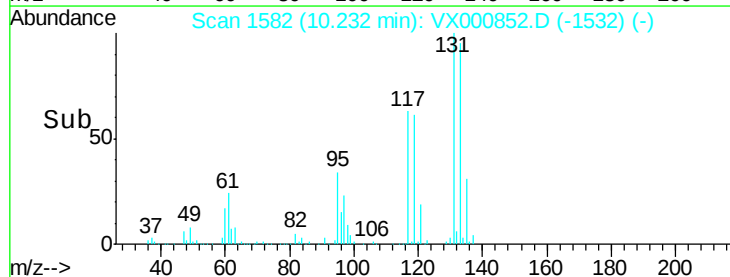
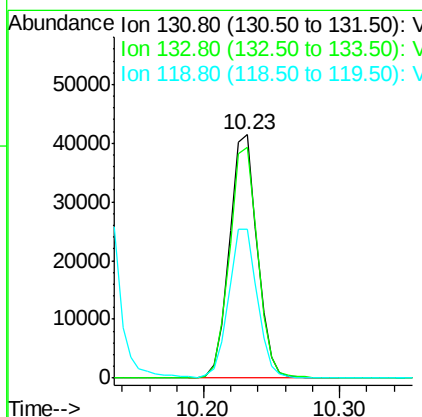
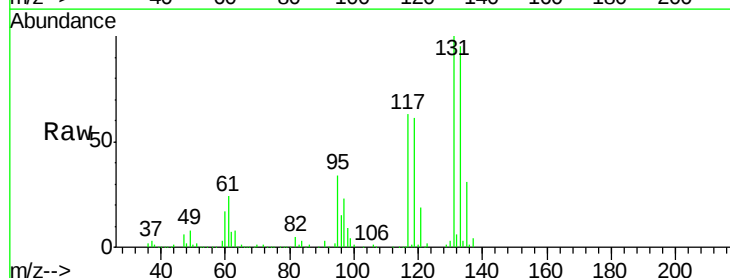
Manual Integrations
APPROVED

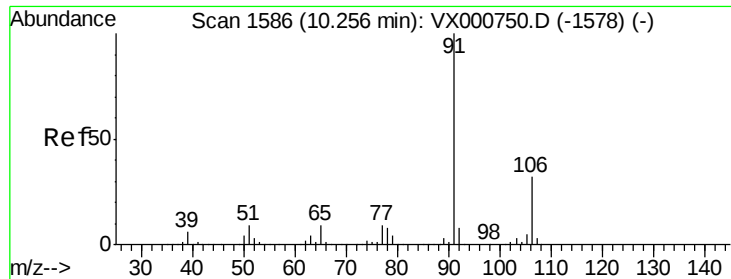
MMDadoda
4/16/2018 12:59:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.48 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion:131 Resp: 58822
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.9
119 63.0 31.4 94.0





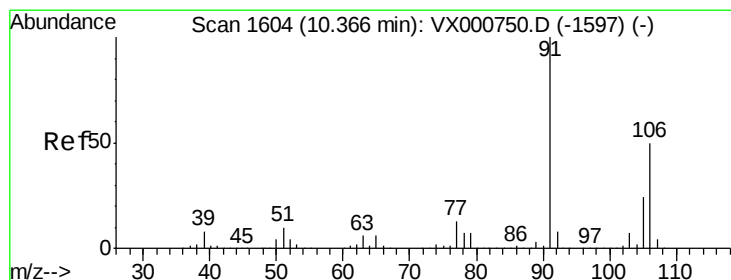
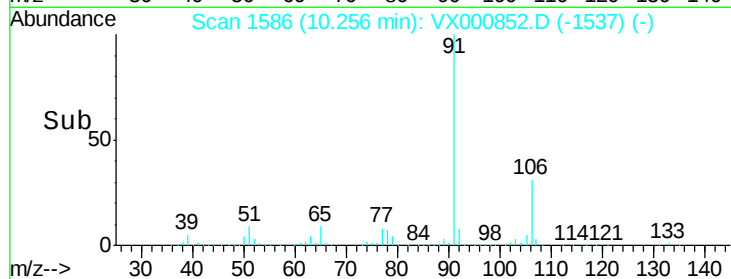
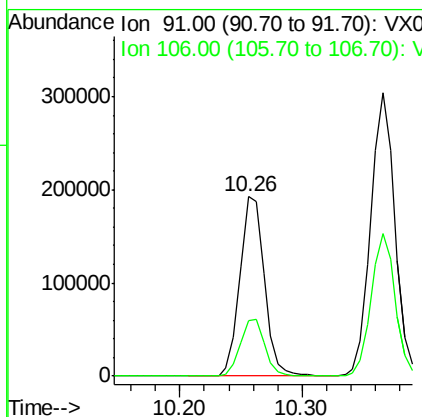
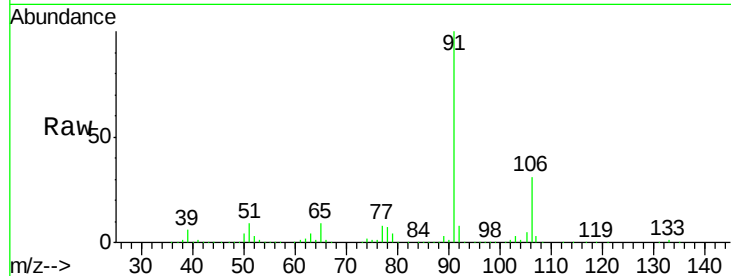
#67
Ethyl Benzene
Concen: 20.05 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion: 91 Resp: 268244
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

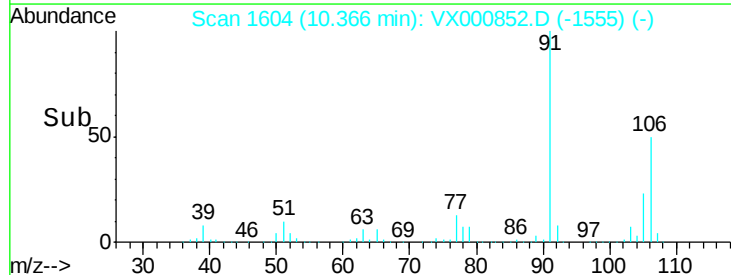
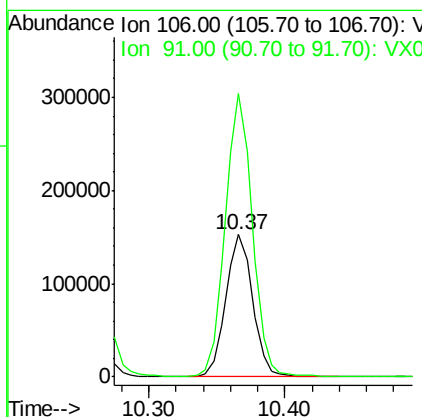
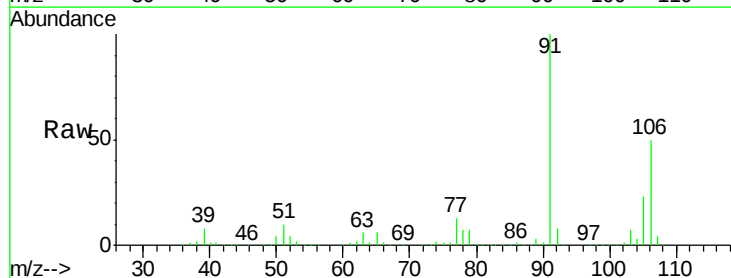
Manual Integrations
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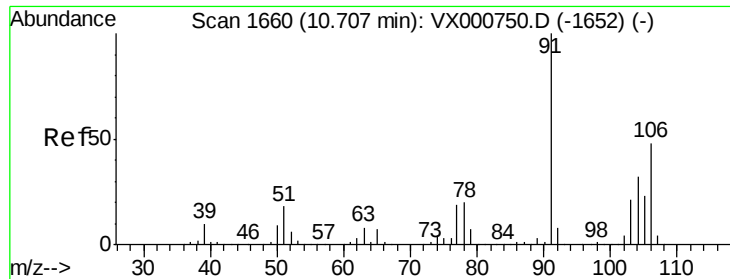
MMDadoda
4/16/2018 12:59:59 PM



#68
m/p-Xylenes
Concen: 39.72 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion: 106 Resp: 209691
Ion Ratio Lower Upper
106 100
91 200.9 159.3 238.9





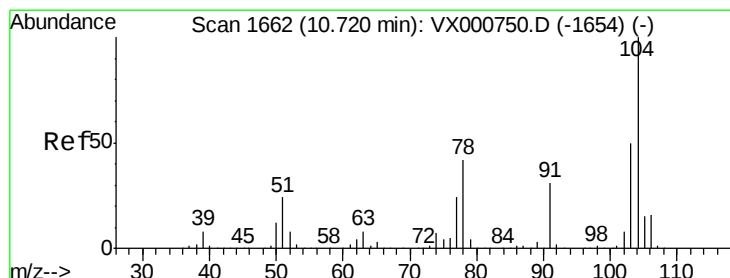
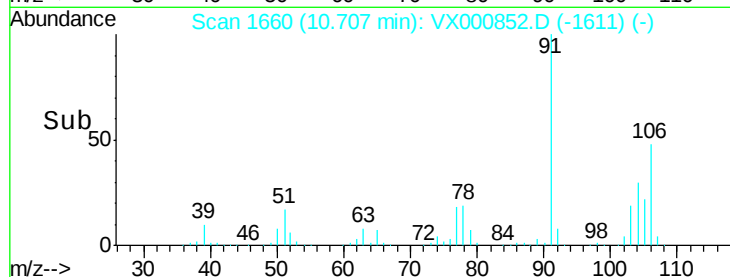
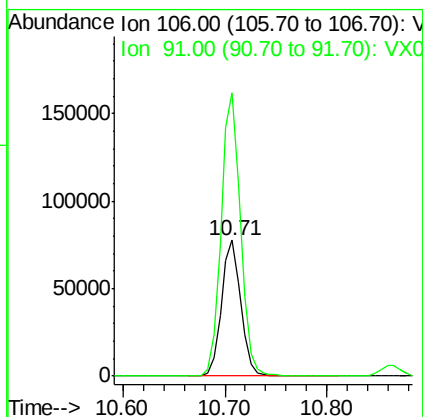
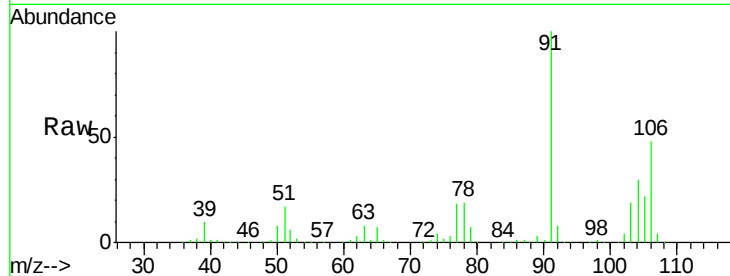
#69
o-Xylene
Concen: 20.19 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	105.0	315.0

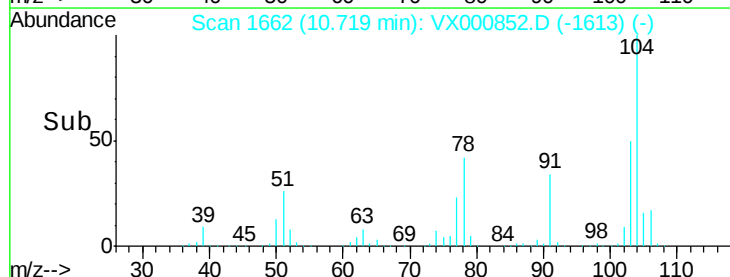
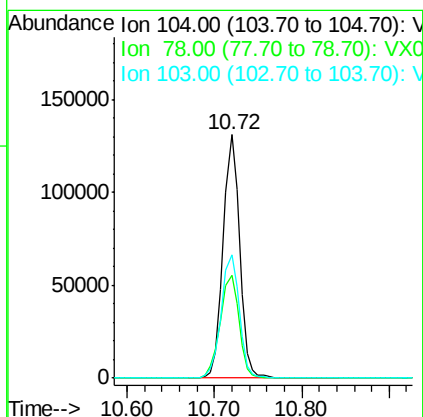
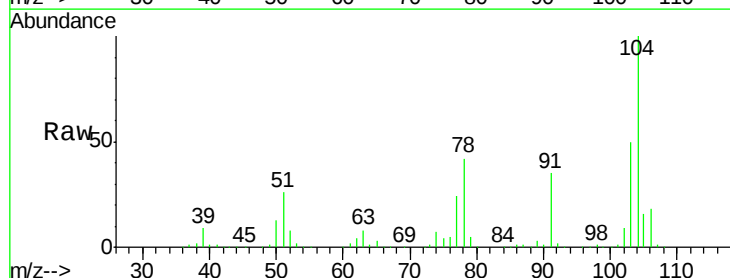
Manual Integrations
APPROVED

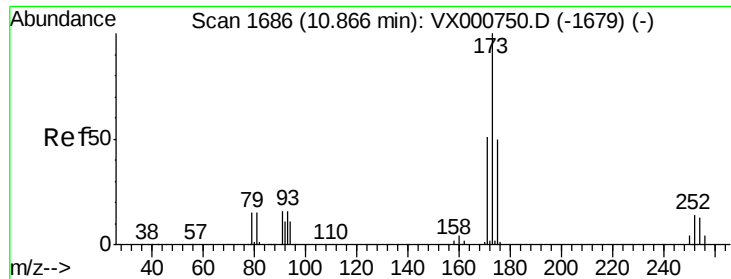
MMDadoda
4/16/2018 12:59:59 PM



#70
Styrene
Concen: 19.98 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.0	58.6
103	55.5	44.1	66.1





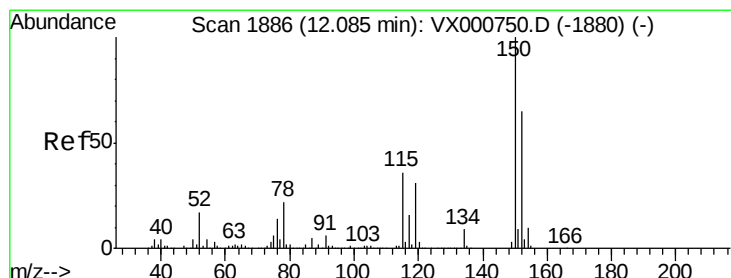
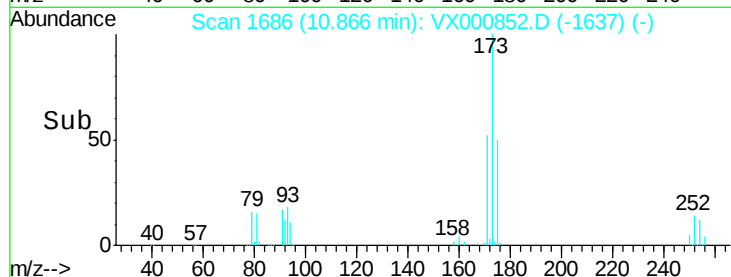
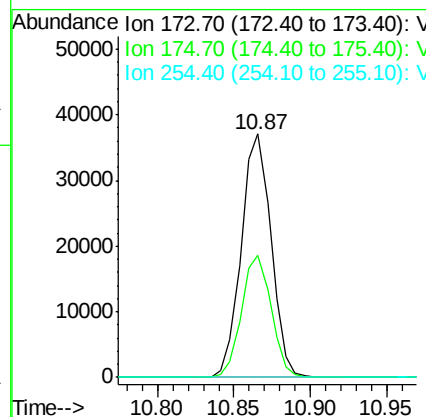
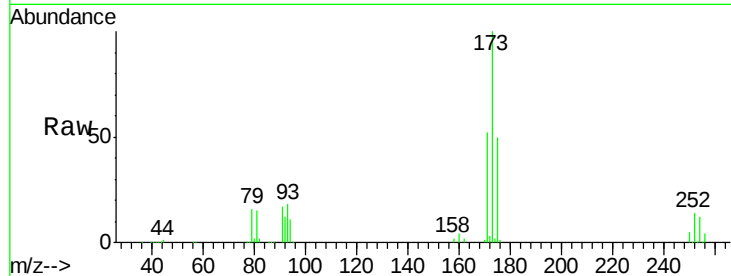
#71
Bromoform
Concen: 17.89 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.5	73.5
254	0.1	0.2	0.2

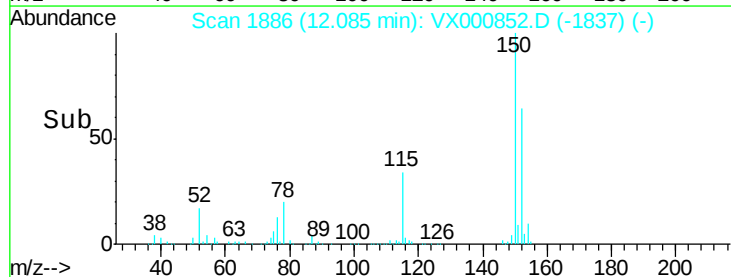
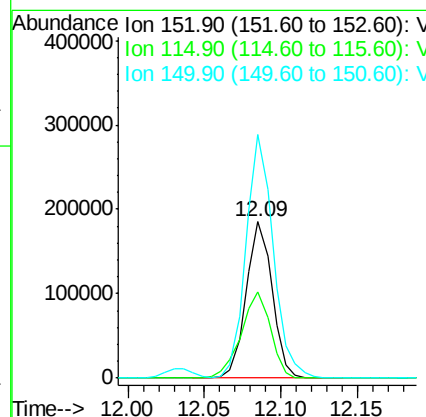
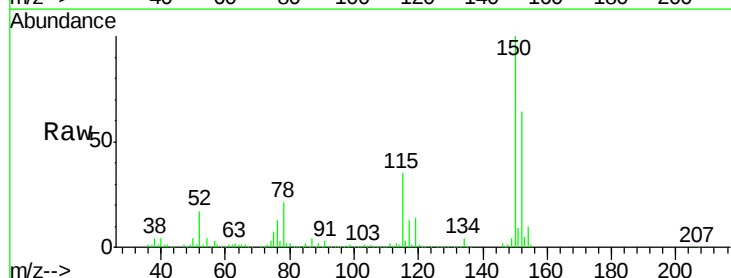
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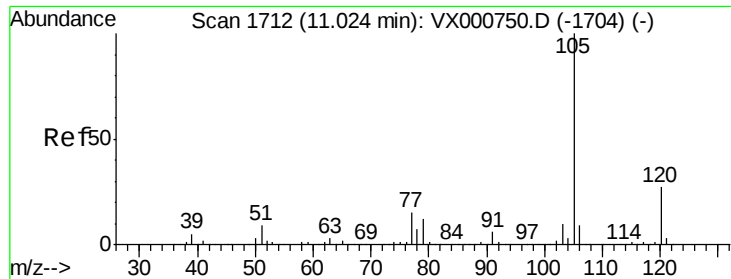
MMDadoda
4/16/2018 12:59:59 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	37.9	113.7
150	163.3	0.0	348.0





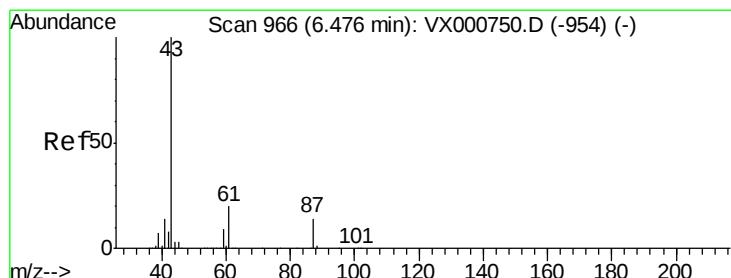
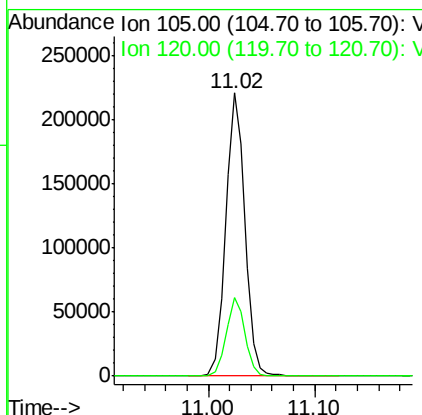
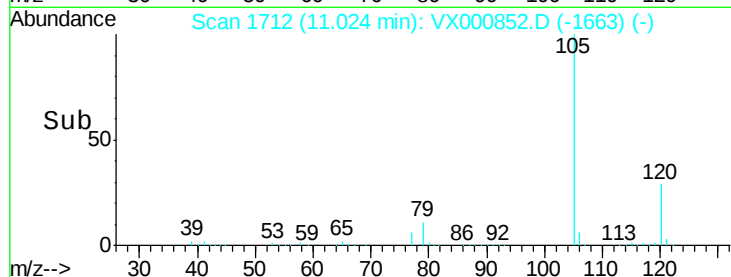
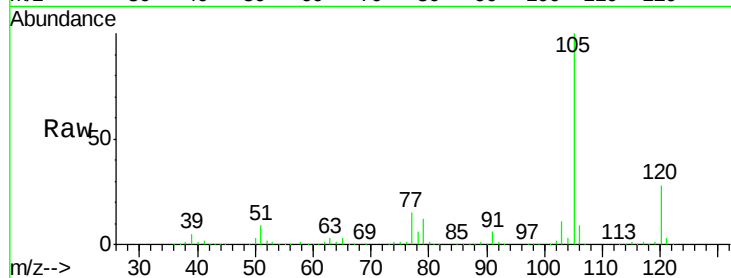
#73
Isopropylbenzene
Concen: 20.05 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleID :
VX0413WBSD01

Tot Ion:105 Resp: 277483
Ion Ratio Lower Upper
105 100
120 27.3 13.7 41.0

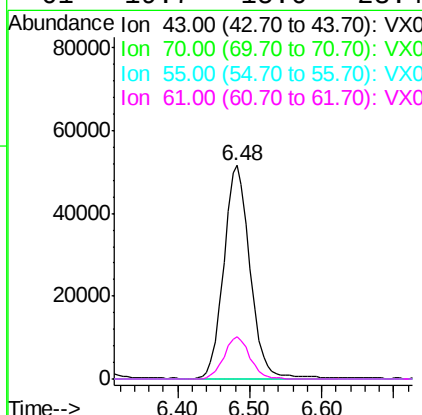
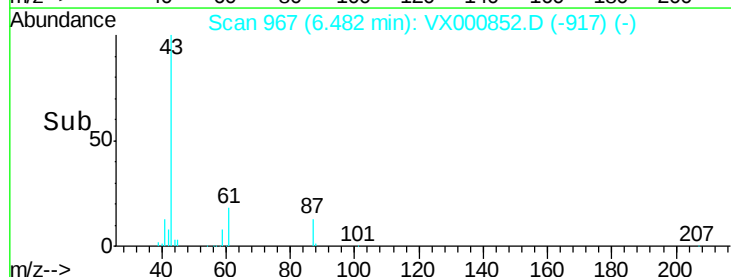
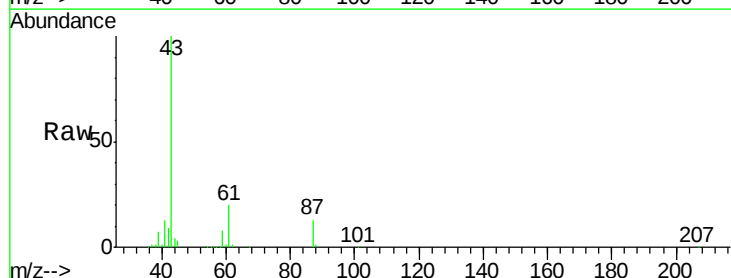
Manual Integrations
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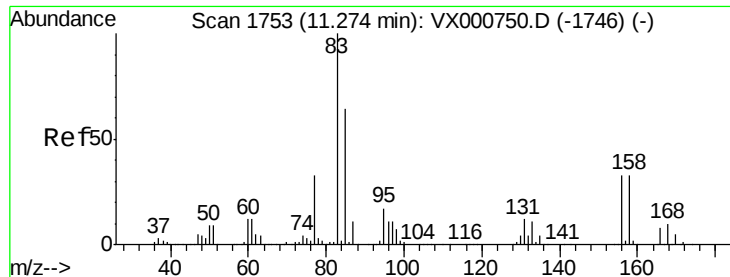
MMDadoda
4/16/2018 12:59:59 PM



#74
N-ethyl acetate
Concen: 20.79 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion: 43 Resp: 129577
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.1 0.0 0.0#
61 19.7 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.91 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

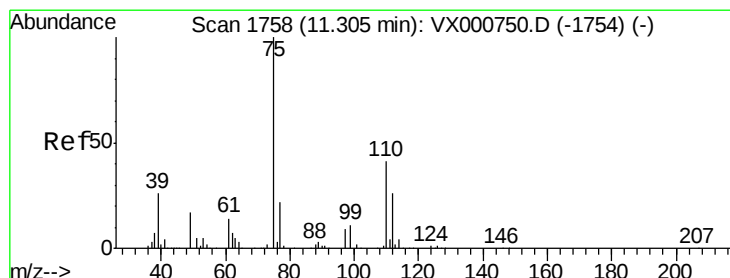
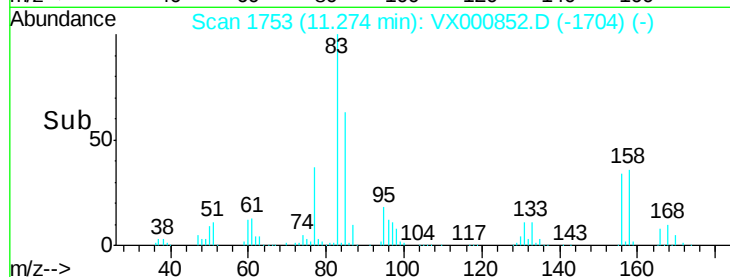
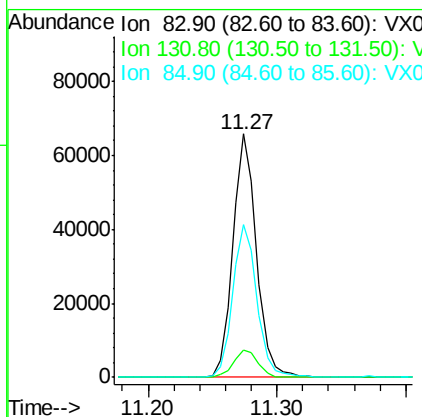
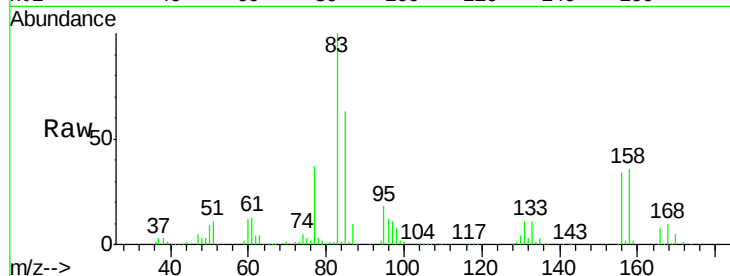
ClientSampleId :

VX0413WBSD01

Tot Ion:	83	Resp:	83991
Ion Ratio	Lower	Upper	
83	100		
131	11.7	6.0	18.0
85	64.8	32.3	96.8

Manual Integrations
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MMDadoda
4/16/2018 12:59:59 PM



#76

1,2,3-Trichloropropane

Concen: 20.94 ug/l m

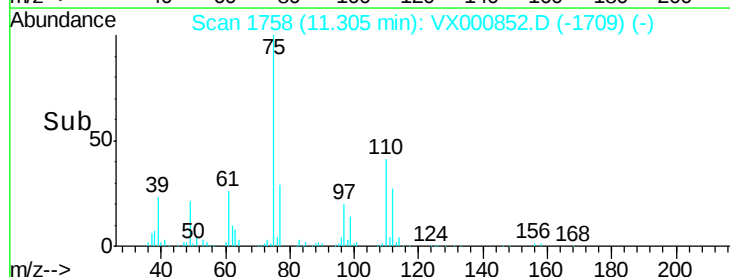
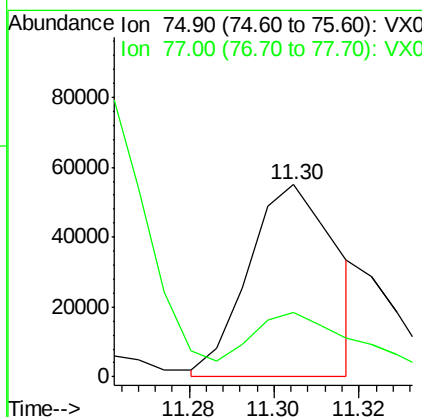
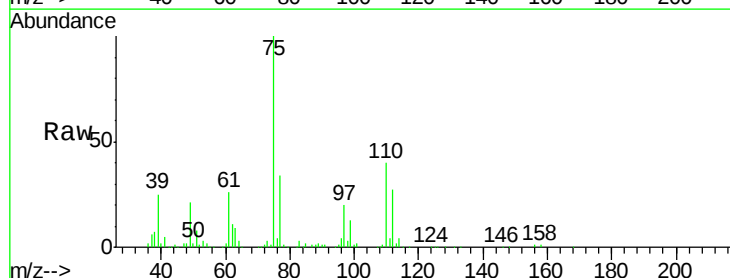
RT: 11.30 min Scan# 1758

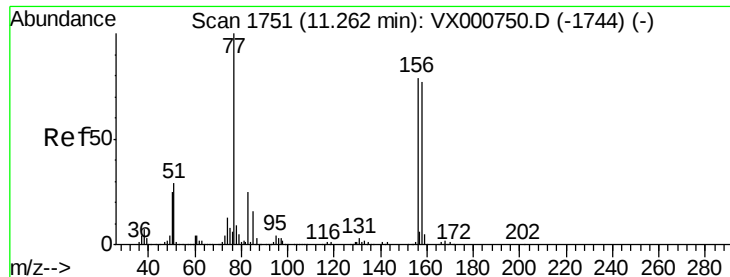
Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion:	75	Resp:	78769
Ion Ratio	Lower	Upper	
75	100		
77	41.1	20.5	61.5





#77

Bromobenzene

Concen: 19.74 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion:156 Resp: 80068

Ion Ratio Lower Upper

156 100

77 132.7 66.0 198.2

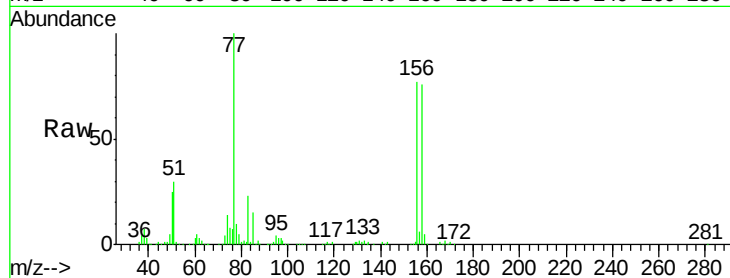
158 98.0 48.8 146.4

Manual Integrations

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MMDadoda

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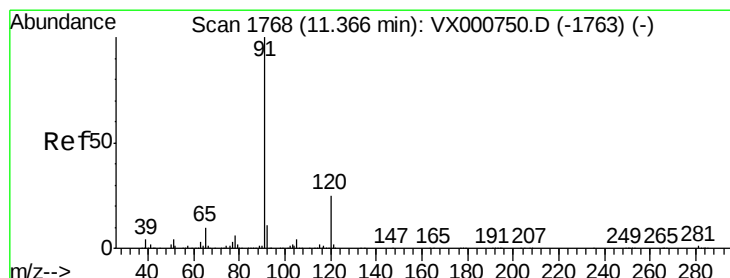
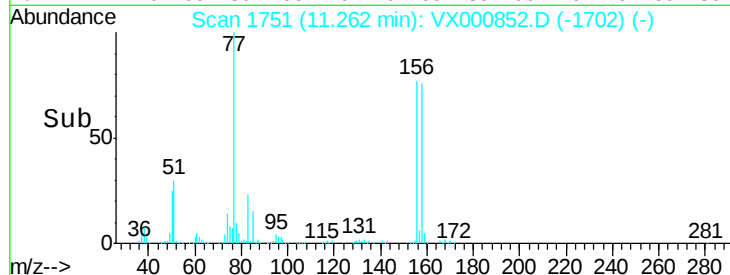
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

Time-->

11.20 11.30



#78

n-propylbenzene

Concen: 19.82 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000852.D

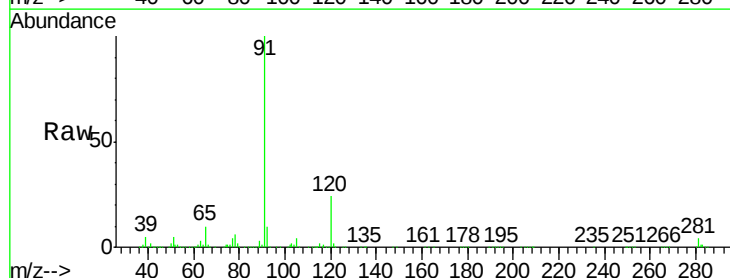
Acq: 13 Apr 2018 16:25

Tgt Ion: 91 Resp: 313706

Ion Ratio Lower Upper

91 100

120 24.8 12.6 37.6

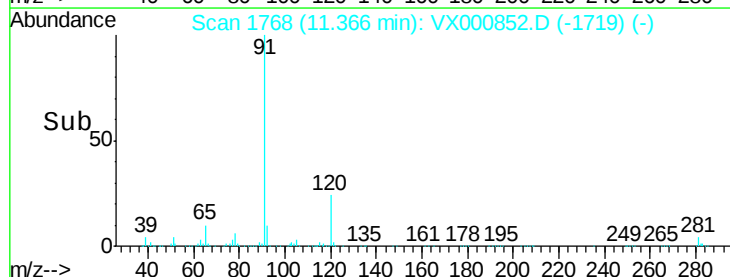


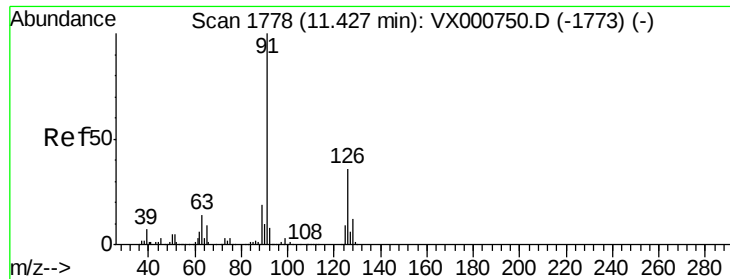
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

Time-->

11.35 11.40





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 91 Resp: 185613

Ion Ratio Lower Upper

91 100

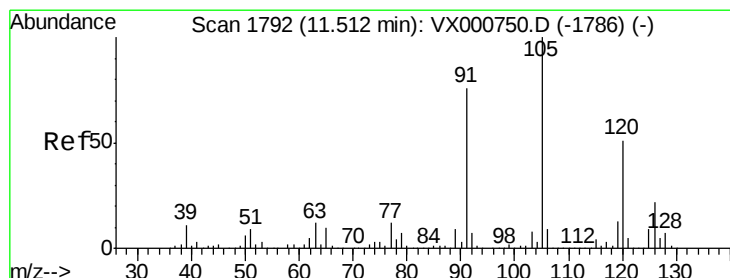
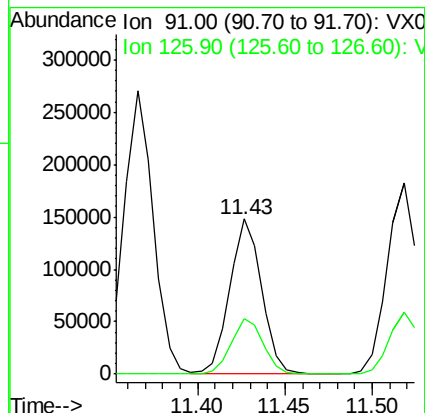
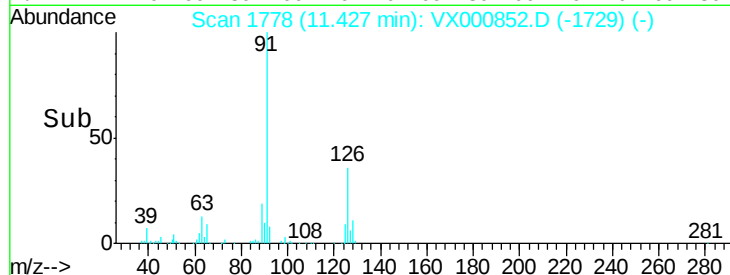
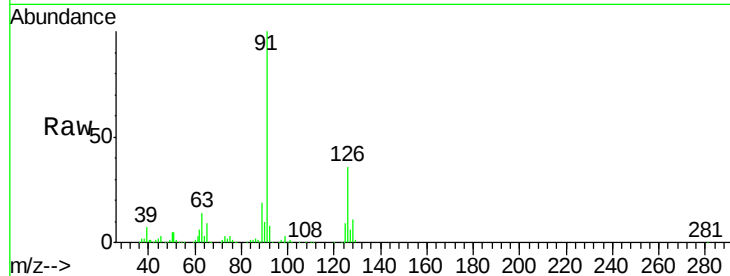
126 36.8 18.3 54.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000852.D

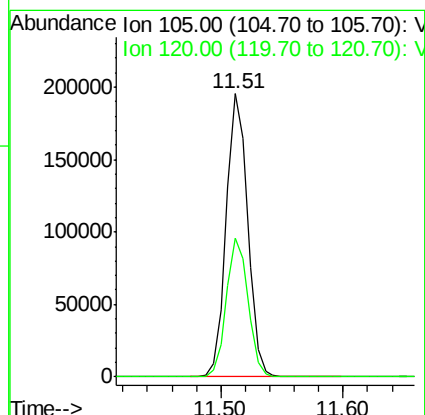
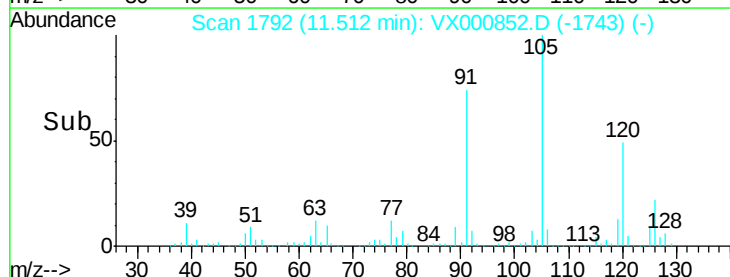
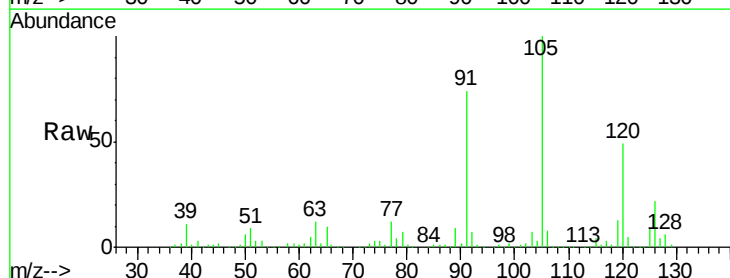
Acq: 13 Apr 2018 16:25

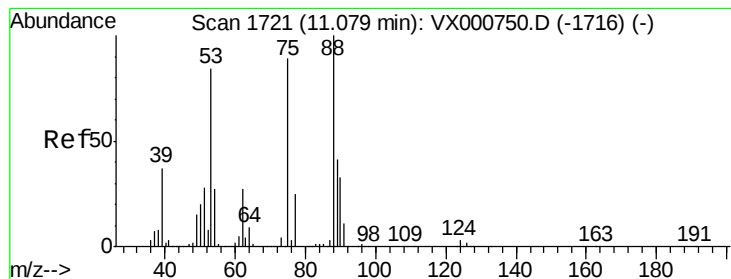
Tgt Ion: 105 Resp: 237705

Ion Ratio Lower Upper

105 100

120 49.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.47 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 75 Resp: 23889

Ion Ratio Lower Upper

75 100

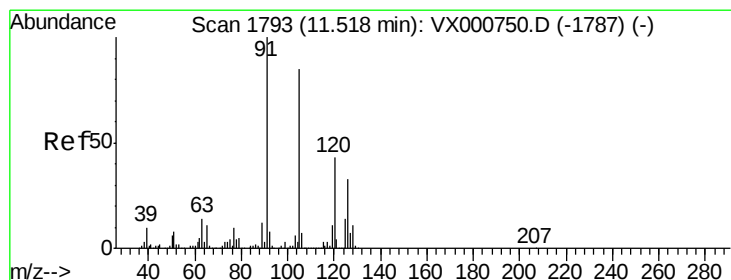
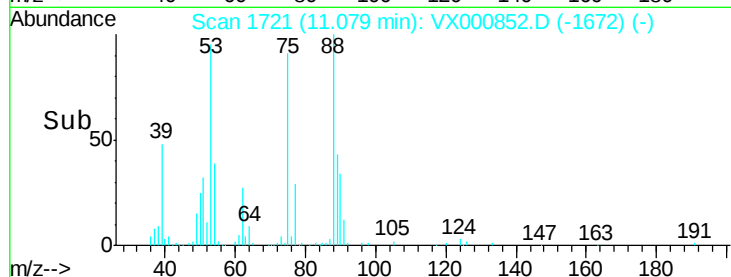
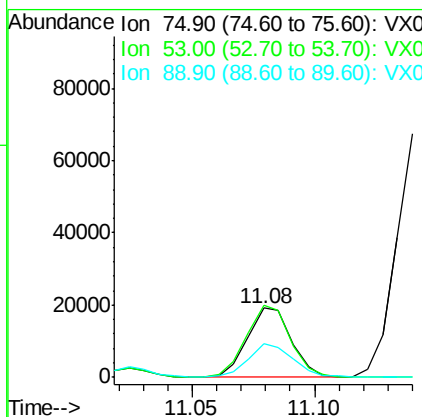
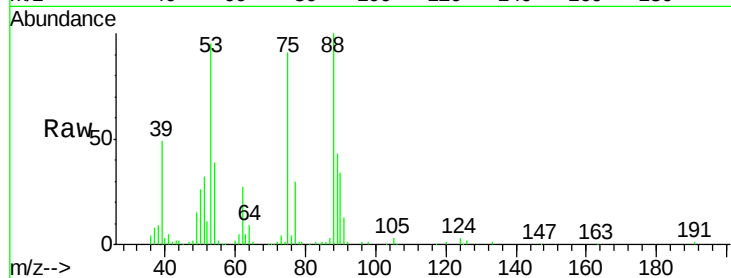
53 104.7 75.4 113.0

89 50.2 40.9 61.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.84 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000852.D

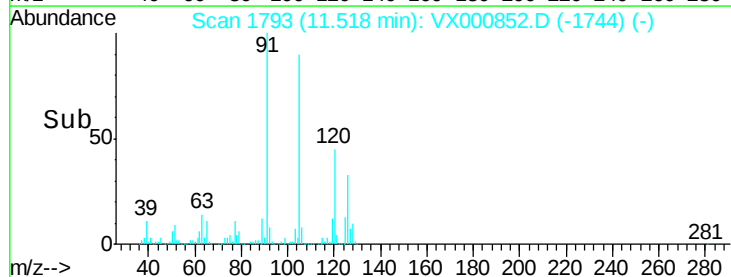
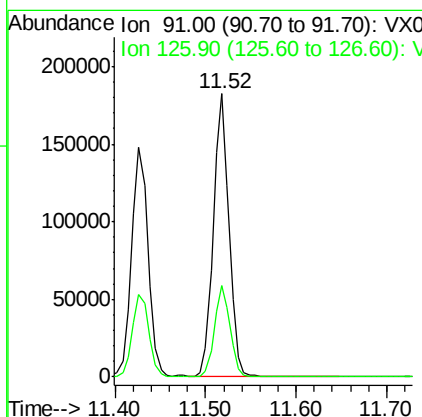
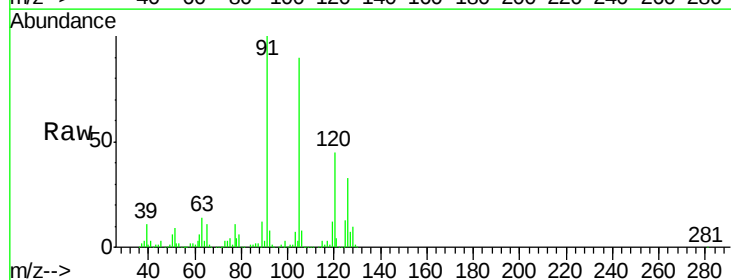
Acq: 13 Apr 2018 16:25

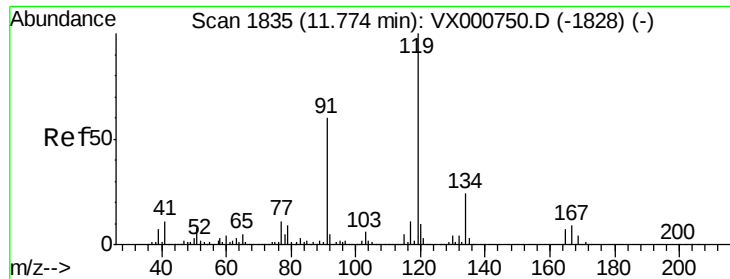
Tgt Ion: 91 Resp: 224013

Ion Ratio Lower Upper

91 100

126 32.1 16.2 48.6





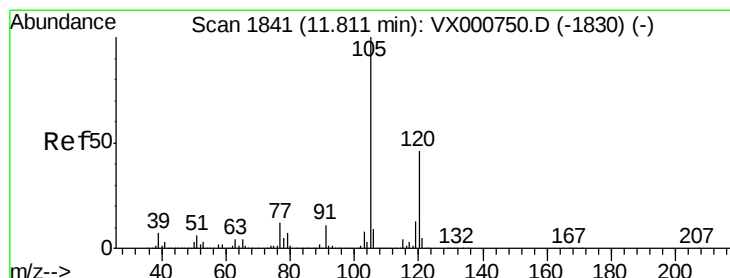
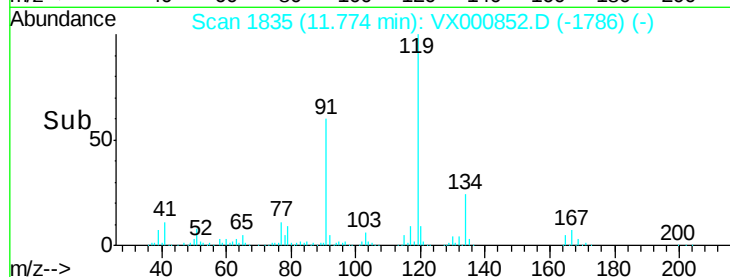
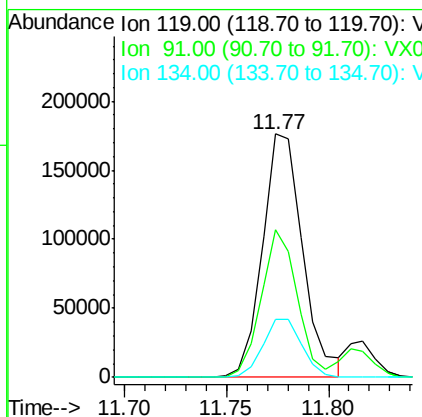
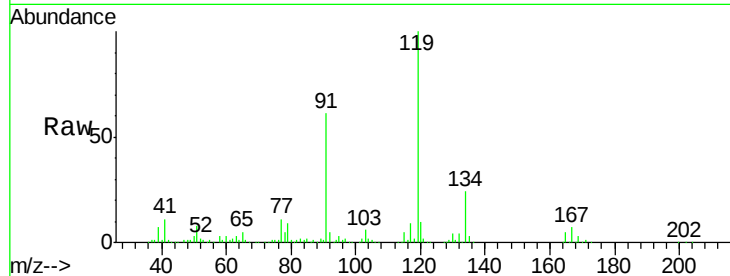
#83
tert-Butylbenzene
Concen: 19.93 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242662		
91	54.4	26.8	80.3	
134	23.5	11.5	34.4	

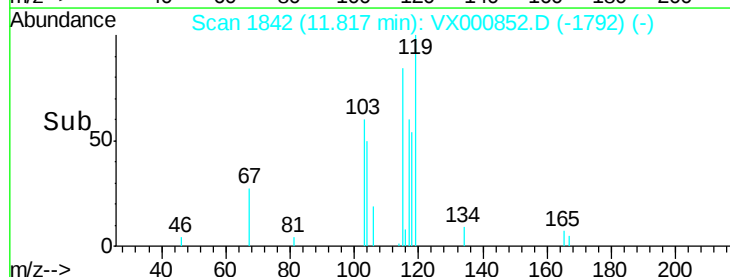
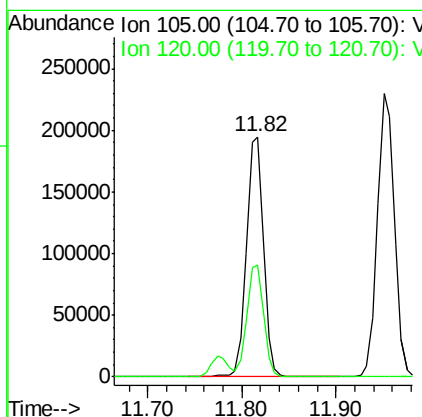
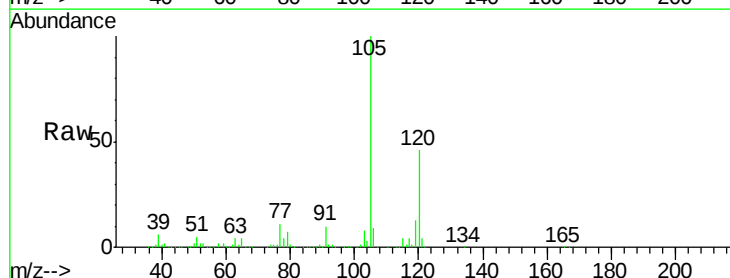
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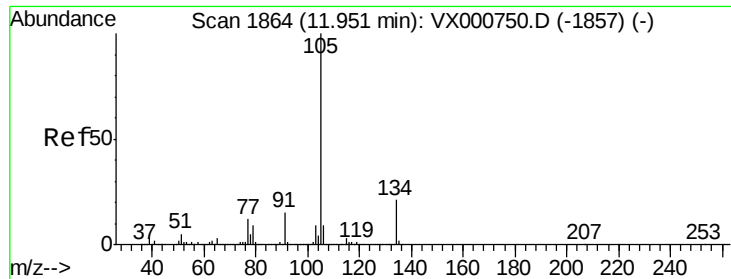
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.94 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	244982		
120	45.5	23.1	69.3	





#85

sec-Butylbenzene

Concen: 19.99 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion:105 Resp: 287199

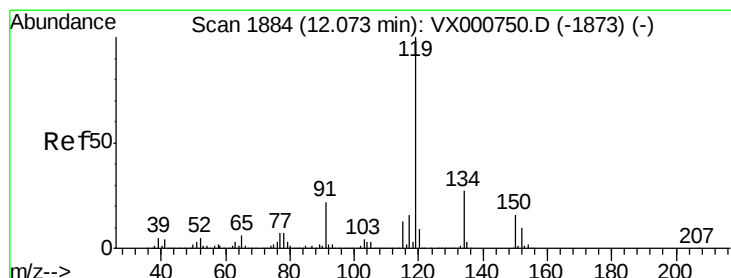
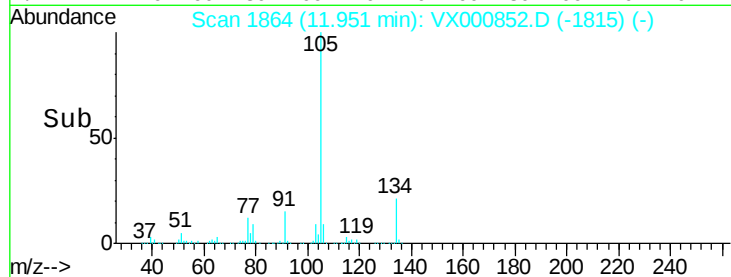
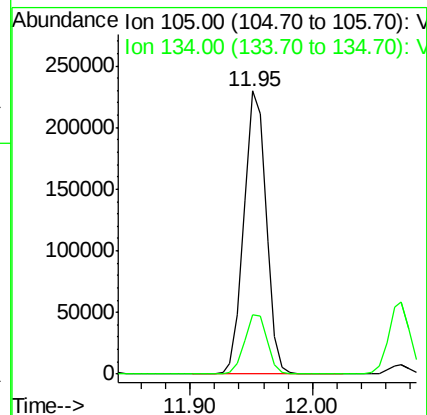
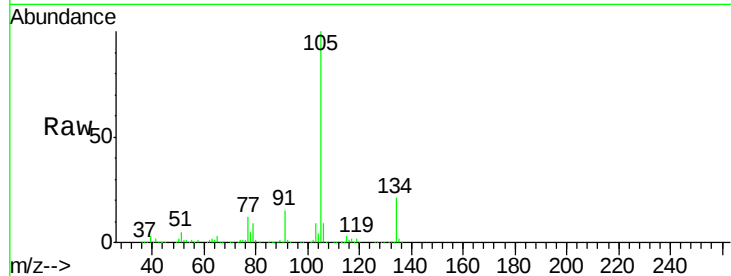
Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 19.78 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

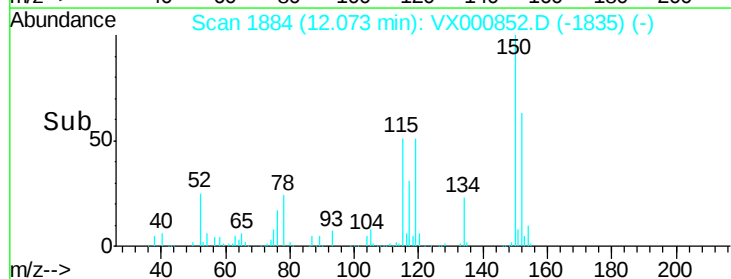
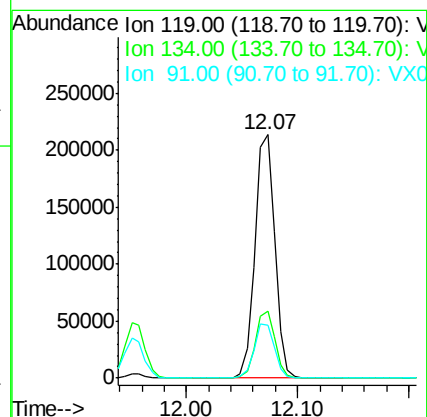
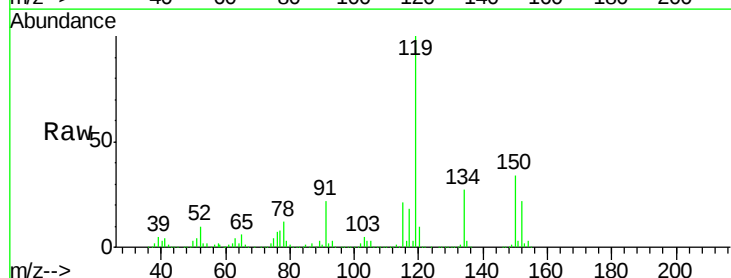
Tgt Ion:119 Resp: 264944

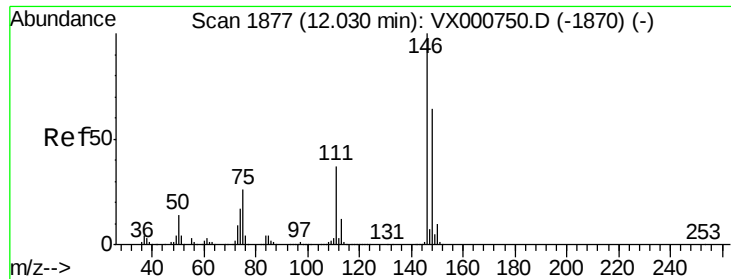
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.7 11.2 33.5





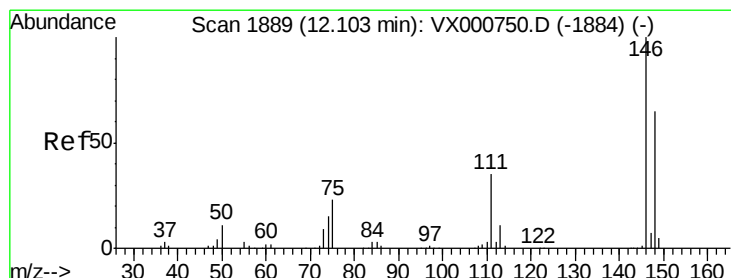
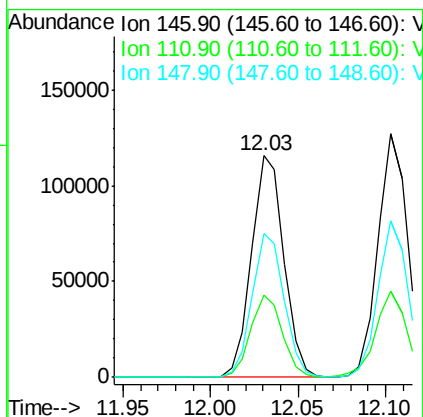
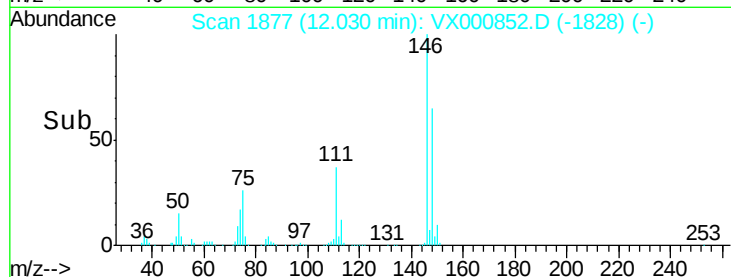
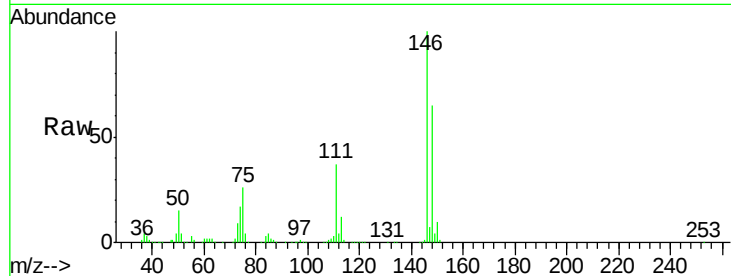
#87
 1,3-Dichlorobenzene
 Concen: 19.78 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.8
148	64.7	32.2	96.6

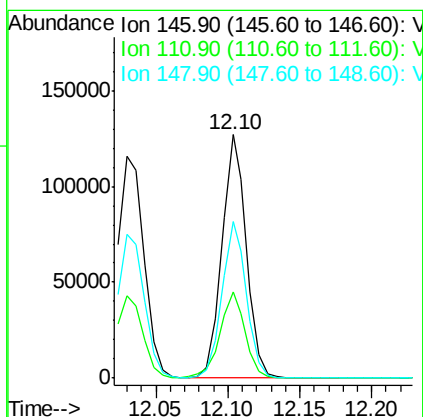
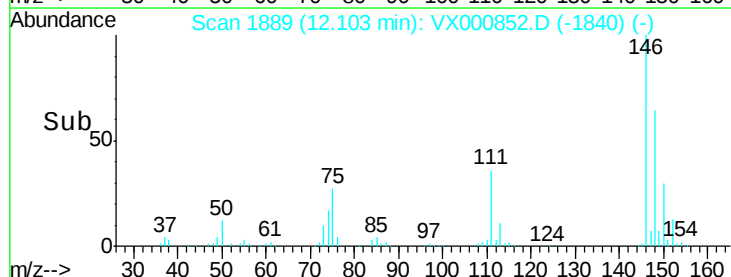
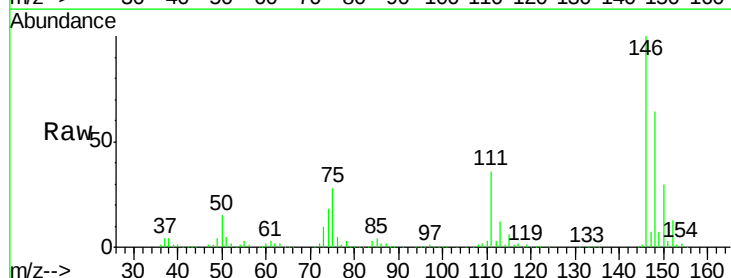
Manual Integrations
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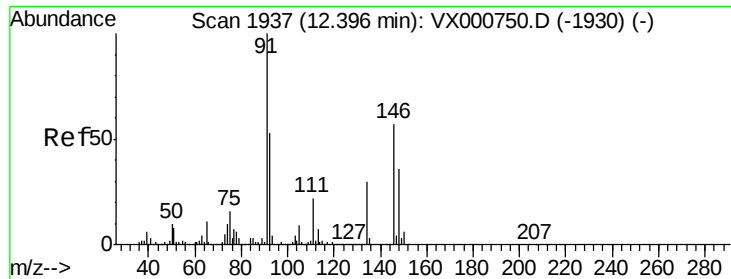
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#88
 1,4-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.9	53.8
148	64.5	32.6	97.7





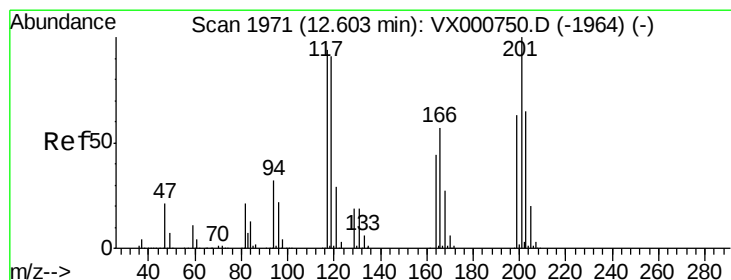
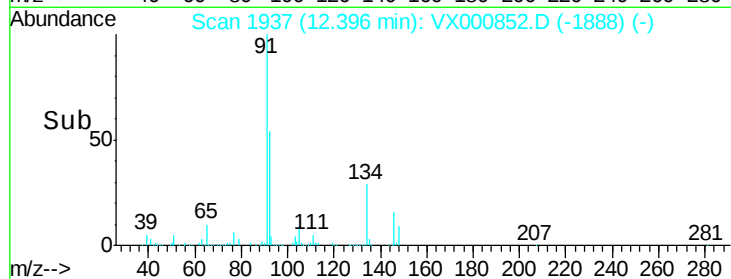
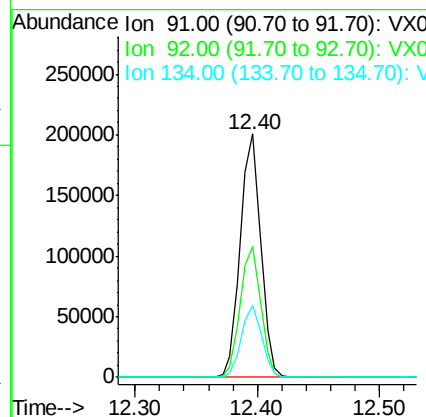
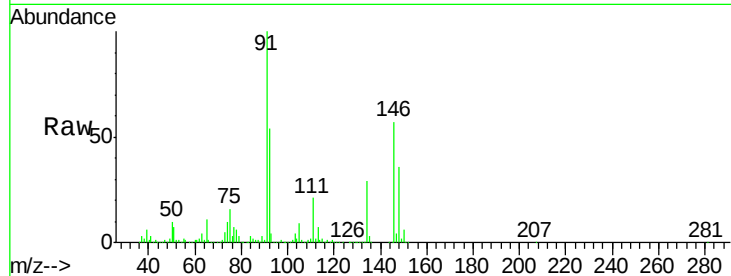
#89
n-Butylbenzene
Concen: 19.56 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.5	79.5
134	29.1	14.5	43.5

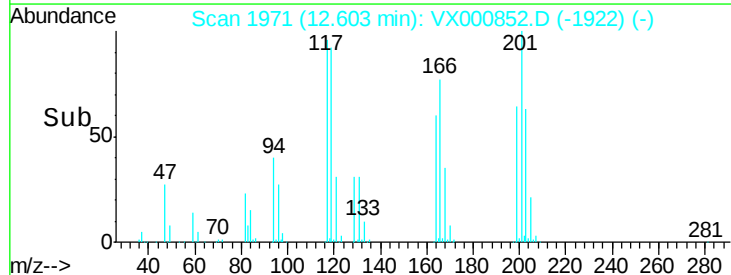
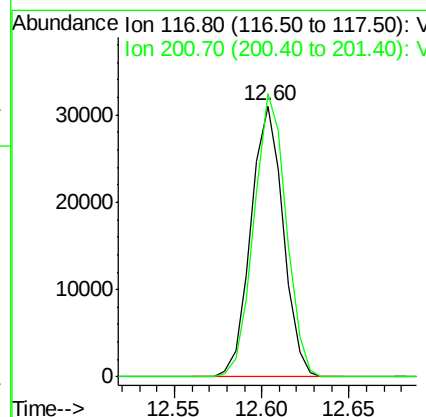
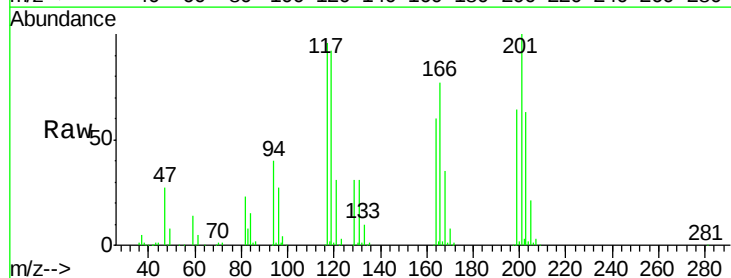
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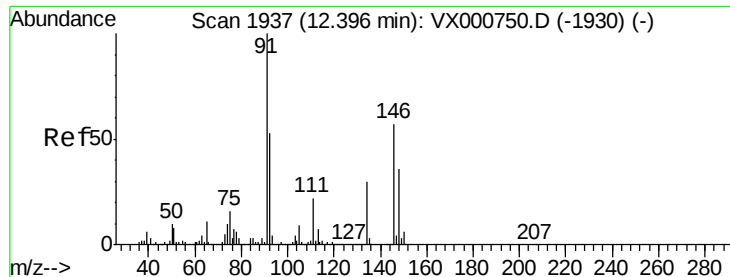
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#90
Hexachloroethane
Concen: 17.56 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000852.D
Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.1	52.9	158.7





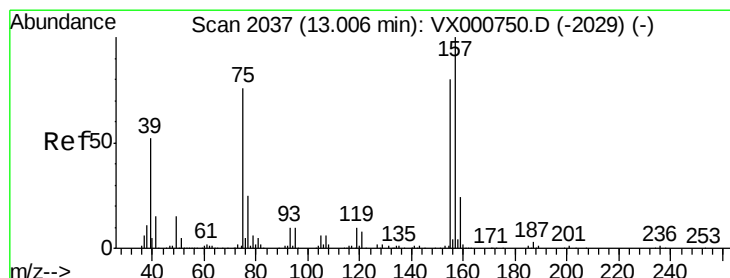
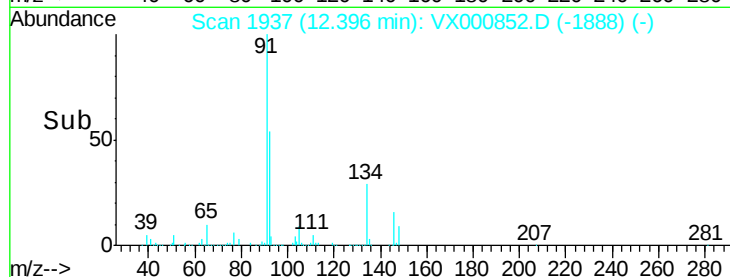
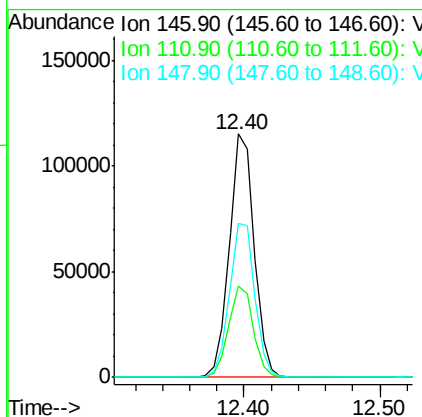
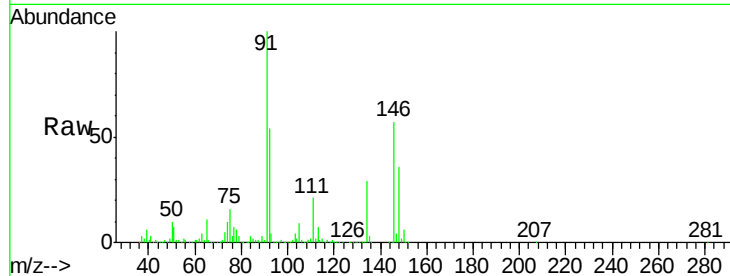
#91
 1,2-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	145568		
111	37.4	18.9	56.7	
148	64.7	32.0	96.2	

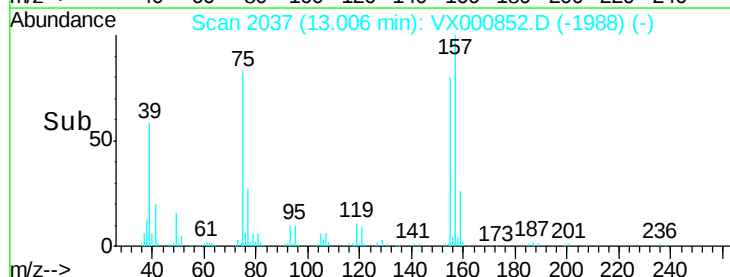
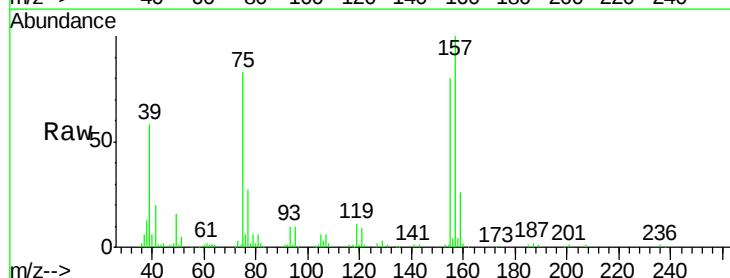
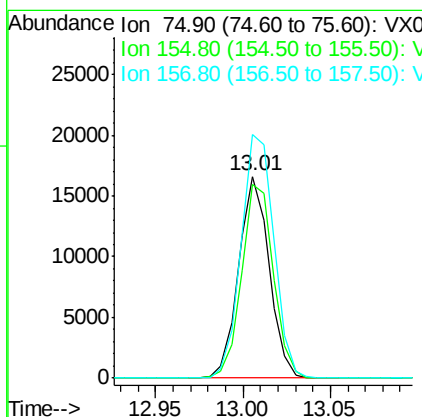
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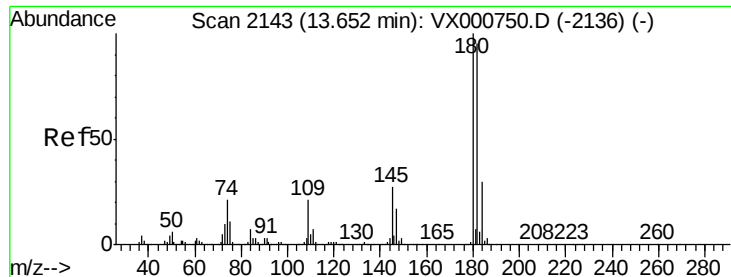
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.99 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20115		
155	99.8	51.9	155.8	
157	130.0	66.6	199.8	





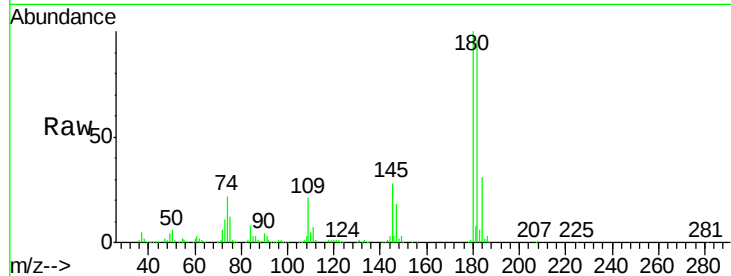
#93
 1,2,4-Trichlorobenzene
 Concen: 19.39 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

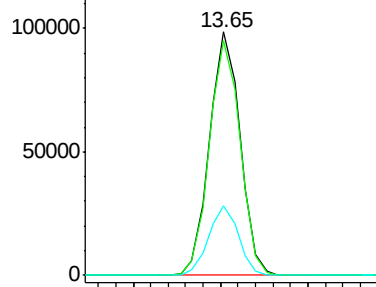
Tot Ion	Ratio	Resp	Lower	Upper
180	100	119920		
182	97.0	47.5	142.5	
145	27.9	13.8	41.4	

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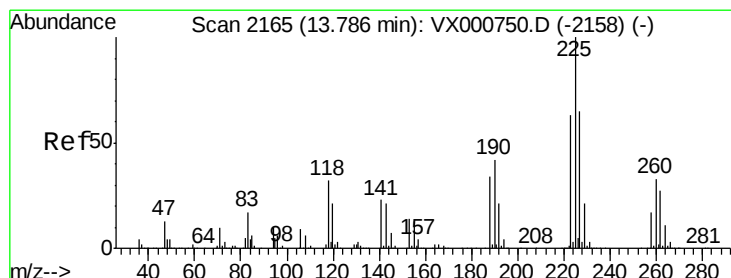
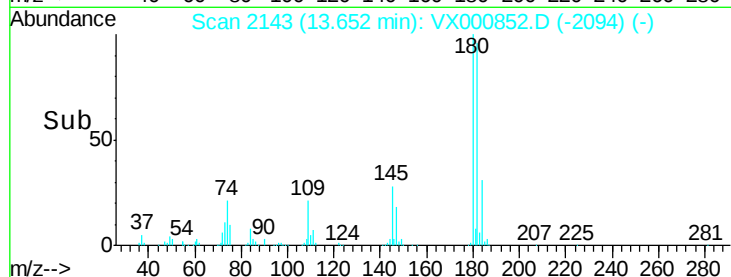
MMDadoda
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

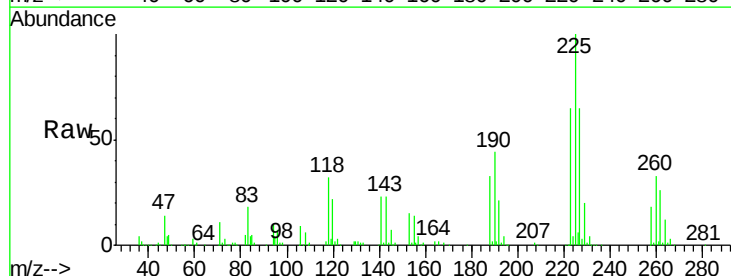


Time-->

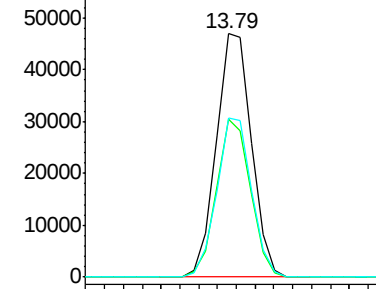


#94
 Hexachlorobutadiene
 Concen: 20.00 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX000852.D
 Acq: 13 Apr 2018 16:25

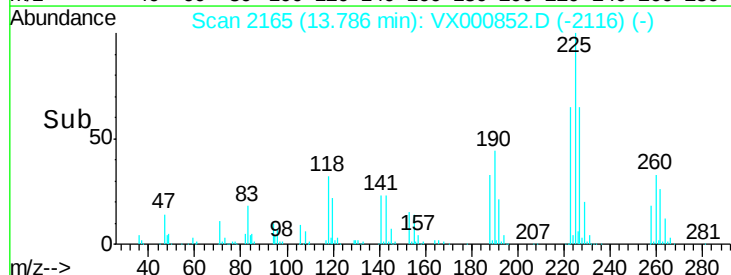
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60808		
223	62.5	31.2	93.6	
227	64.3	32.3	96.9	

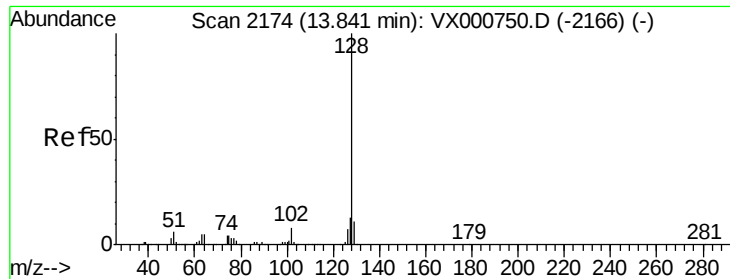


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 21.05 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Instrument :

MSVOA_X

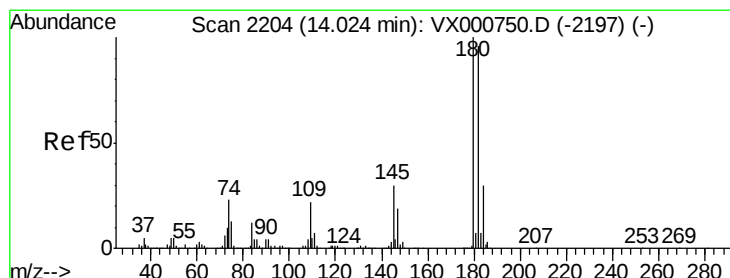
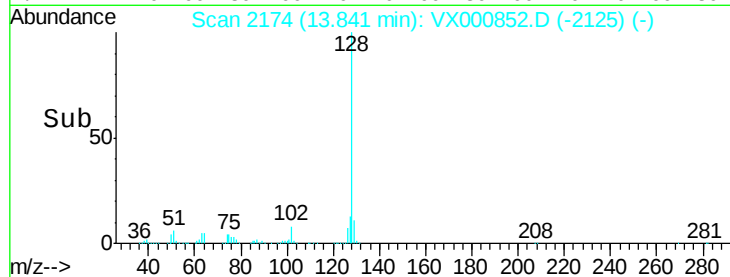
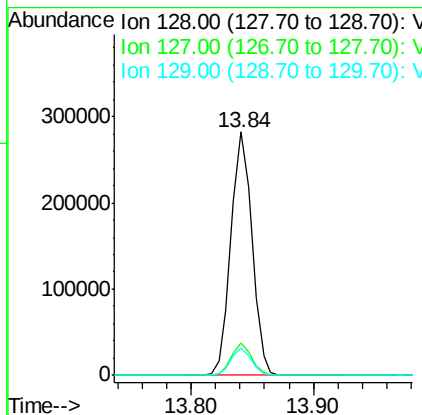
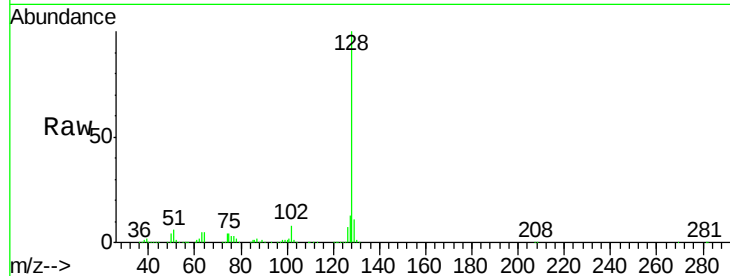
ClientSampleId :

VX0413WBSD01

Tot Ion:	128	Resp:	334203
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.85 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000852.D

Acq: 13 Apr 2018 16:25

Tgt Ion:	180	Resp:	119208
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.4	145.2
145	29.6	14.6	43.8

