

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000934.D
 Acq On : 16 Apr 2018 21:47
 Operator : JC/MD
 Sample : VX0416MBSD01
 Misc : 5.00µ/10mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0416MBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:09 PM

Quant Time: Apr 17 07:00:39 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	228330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	313488	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	139086	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	5.51	113	115210	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	8.72	98	420757	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
62) 4-Bromofluorobenzene	11.15	95	173387	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51233	19.88	ug/l	100
3) Chloromethane	1.32	50	46711	21.14	ug/l	99
4) Vinyl Chloride	1.40	62	52583	21.15	ug/l	99
5) Bromomethane	1.64	94	34206	32.77	ug/l	94
6) Chloroethane	1.73	64	33355	22.14	ug/l	98
7) Trichlorofluoromethane	1.93	101	81431	21.71	ug/l	99
8) Diethyl Ether	2.19	74	31779	22.68	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47820	21.63	ug/l	100
10) Methyl Iodide	2.51	142	24838	20.29	ug/l	97
11) Tert butyl alcohol	3.07	59	50030	97.88	ug/l	98
12) 1,1-Dichloroethene	2.38	96	44213	21.10	ug/l	97
13) Acrolein	2.30	56	22911	92.30	ug/l	94
14) Allyl chloride	2.73	41	80857	20.87	ug/l	99
15) Acrylonitrile	3.15	53	126896	116.44	ug/l	100
16) Acetone	2.45	43	105436	106.20	ug/l	97
17) Carbon Disulfide	2.57	76	105318	16.60	ug/l	100
18) Methyl Acetate	2.78	43	65472	25.48	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	160527	23.00	ug/l	98
20) Methylene Chloride	2.86	84	51159	22.15	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	48020	20.78	ug/l	99
22) Diisopropyl ether	3.88	45	166975	23.45	ug/l	99
23) Vinyl Acetate	3.83	43	702530	112.36	ug/l	99
24) 1,1-Dichloroethane	3.70	63	90821	22.73	ug/l	99
25) 2-Butanone	4.71	43	177807	108.45	ug/l	99
26) 2,2-Dichloropropane	4.59	77	70172	17.69	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	58370	22.26	ug/l	98
28) Bromochloromethane	5.03	49	32088	19.94	ug/l	96
29) Tetrahydrofuran	5.17	42	114445	109.94	ug/l	99
30) Chloroform	5.23	83	95602	22.60	ug/l	96
31) Cyclohexane	5.58	56	77519	20.43	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	85126	21.12	ug/l	99
36) 1,1-Dichloropropene	5.81	75	70372	20.38	ug/l	99
37) Ethyl Acetate	4.87	43	71367	21.17	ug/l	100
38) Carbon Tetrachloride	5.79	117	71211	18.43	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	79180	19.10	ug/l	98
40) Benzene	6.15	78	207190	21.60	ug/l	100
41) Methacrylonitrile	5.07	41	42960	22.06	ug/l	99
42) 1,2-Dichloroethane	6.21	62	80129	22.36	ug/l	99
43) Isopropyl Acetate	6.48	43	121000	20.94	ug/l	100
44) Trichloroethene	7.22	130	63091	21.15	ug/l	98
45) 1,2-Dichloropropane	7.52	63	53959	22.09	ug/l	96
46) Dibromomethane	7.67	93	36639	21.51	ug/l	99
47) Bromodichloromethane	7.91	83	69131	20.11	ug/l	98
48) Methyl methacrylate	7.79	41	63833	21.31	ug/l	100
49) 1,4-Dioxane	7.76	88	22007	365.61	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	374511	110.34	ug/l	99
52) Toluene	8.79	92	135146	21.23	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	81374	19.74	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	75753	18.87	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	56113	22.21	ug/l	99
56) Ethyl methacrylate	9.19	69	82741	21.23	ug/l	99
57) 1,3-Dichloropropane	9.38	76	91148	22.69	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	197076	108.22	ug/l	99
59) 2-Hexanone	9.51	43	275311	105.06	ug/l	99
60) Dibromochloromethane	9.59	129	58522	19.36	ug/l	99
61) 1,2-Dibromoethane	9.68	107	58399	21.79	ug/l	100
64) Tetrachloroethene	9.34	164	64483	22.16	ug/l	98
65) Chlorobenzene	10.15	112	161115	21.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	57812	20.52	ug/l	99
67) Ethyl Benzene	10.26	91	266901	21.38	ug/l	99
68) m/p-Xylenes	10.37	106	210293	42.68	ug/l	100
69) o-Xylene	10.71	106	101524	21.38	ug/l	99
70) Styrene	10.72	104	170120	21.25	ug/l	100
71) Bromoform	10.87	173	45894	17.59	ug/l #	100
73) Isopropylbenzene	11.02	105	275996	21.35	ug/l	100
74) N-amyl acetate	6.48	43	121000	20.78	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	80942	21.57	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	75757m	21.55	ug/l	
77) Bromobenzene	11.26	156	80302	21.19	ug/l	99
78) n-propylbenzene	11.37	91	309757	20.95	ug/l	99
79) 2-Chlorotoluene	11.43	91	185607	21.24	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	231409	20.81	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	19195	15.02	ug/l #	84
82) 4-Chlorotoluene	11.52	91	223443	21.18	ug/l	100
83) tert-Butylbenzene	11.77	119	237723	20.90	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	238272	20.76	ug/l	99
85) sec-Butylbenzene	11.95	105	275746	20.55	ug/l	100
86) p-Isopropyltoluene	12.07	119	253560	20.26	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	148670	21.20	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	150334	20.92	ug/l	99
89) n-Butylbenzene	12.40	91	218978	19.82	ug/l	100
90) Hexachloroethane	12.60	117	35373	16.70	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	146669	21.66	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16685	17.75	ug/l	96

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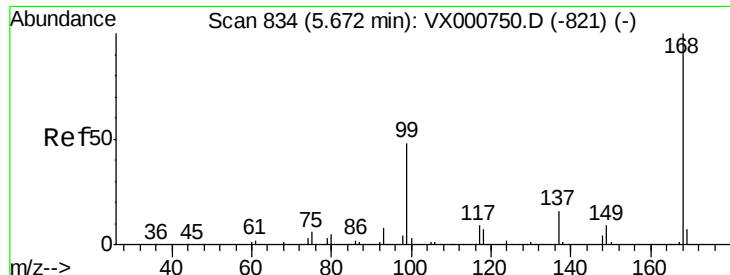
Manual Integrations
 APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	119198	20.63	uq/l	100
94) Hexachlorobutadiene	13.79	225	48275	16.99	uq/l	99
95) Naphthalene	13.84	128	310725	20.95	uq/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	115404	20.57	uq/l	99

(#) = 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: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion:168 Resp: 228330

Ion Ratio Lower Upper

168 100

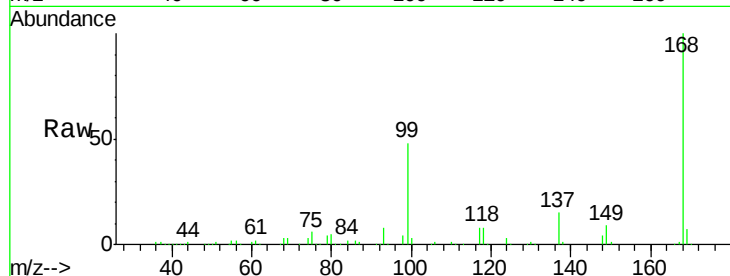
99 48.1 38.3 57.5

Manual Integrations

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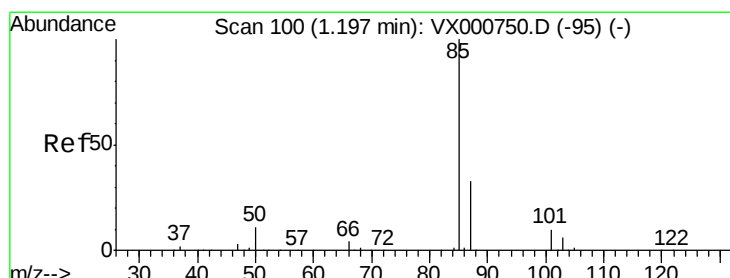
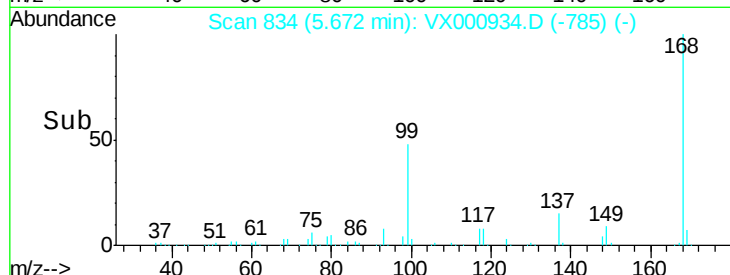
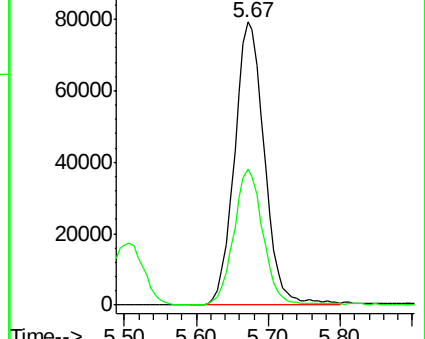
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.88 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000934.D

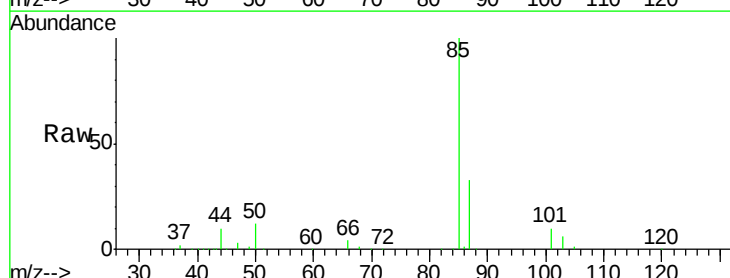
Acq: 16 Apr 2018 21:47

Tgt Ion: 85 Resp: 51233

Ion Ratio Lower Upper

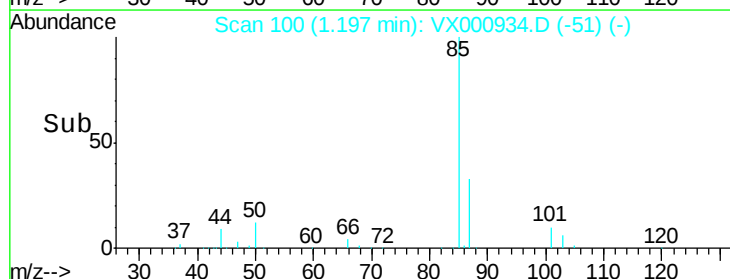
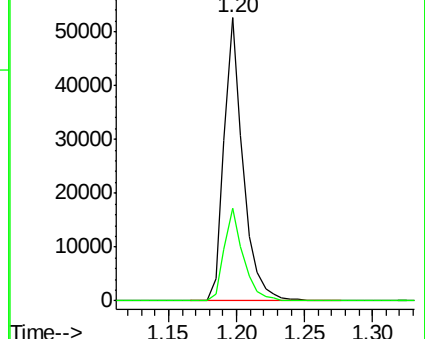
85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.14 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion: 50 Resp: 46711

Ion Ratio Lower Upper

50 100

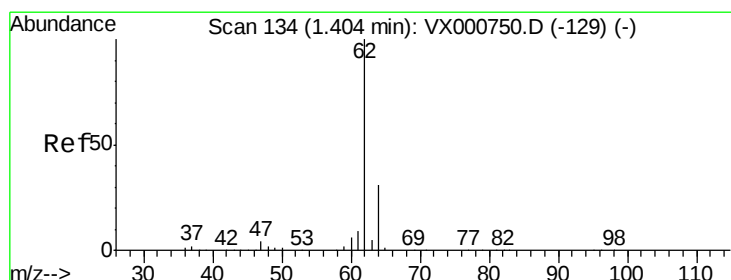
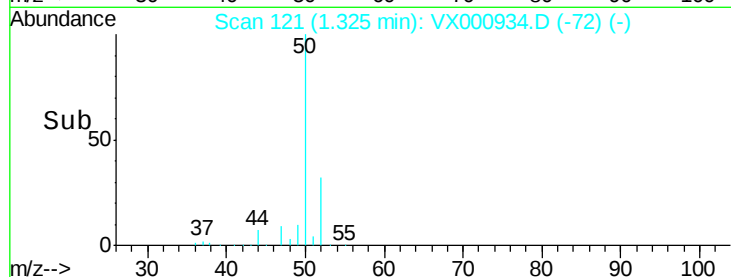
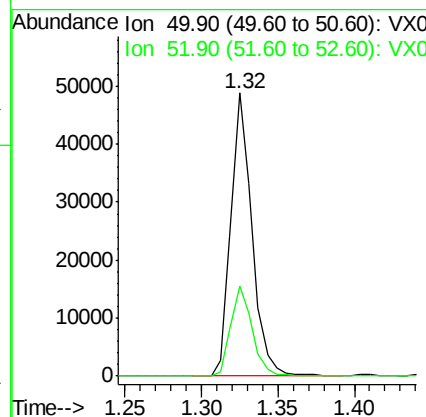
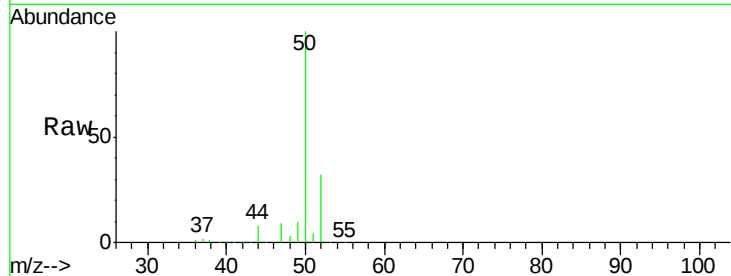
52 31.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.15 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000934.D

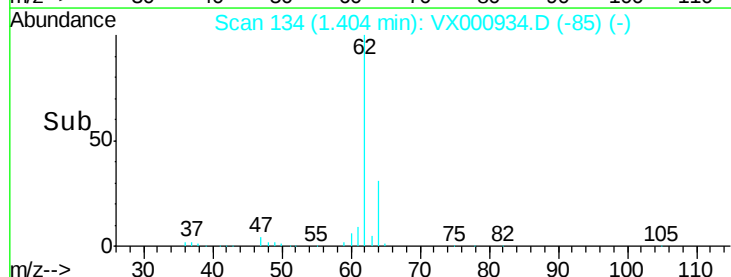
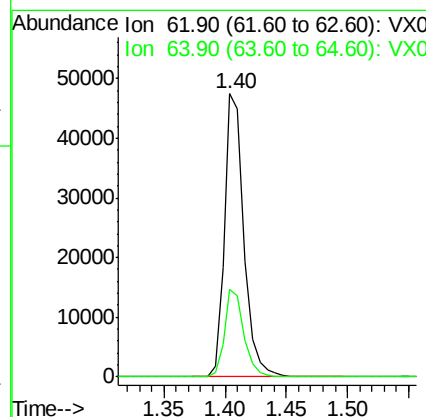
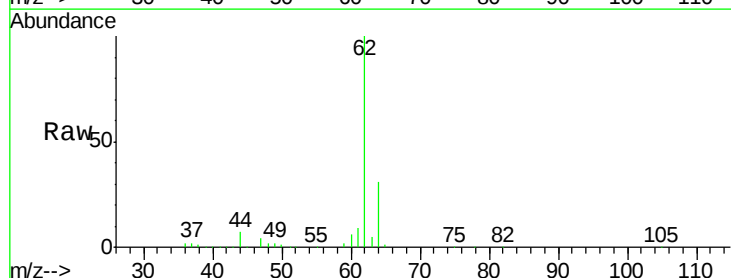
Acq: 16 Apr 2018 21:47

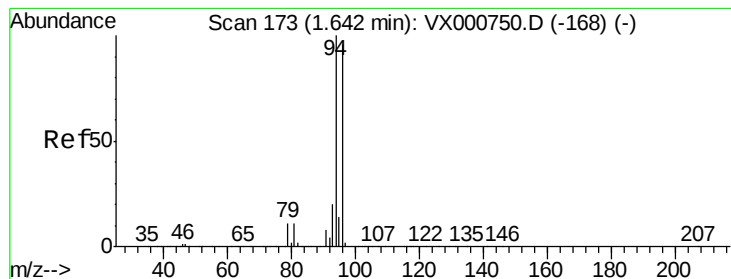
Tgt Ion: 62 Resp: 52583

Ion Ratio Lower Upper

62 100

64 31.0 24.6 36.8





#5

Bromomethane

Concen: 32.77 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion: 94 Resp: 34206

Ion Ratio Lower Upper

94 100

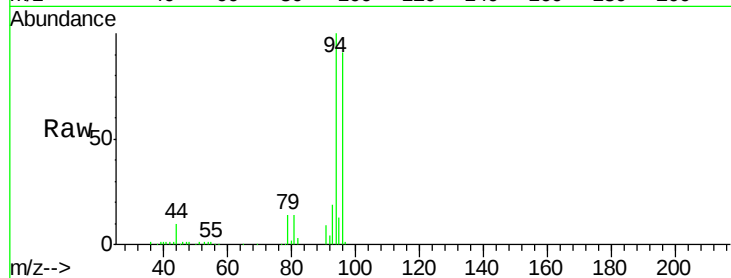
96 90.7 77.0 115.6

Manual Integrations

APPROVED

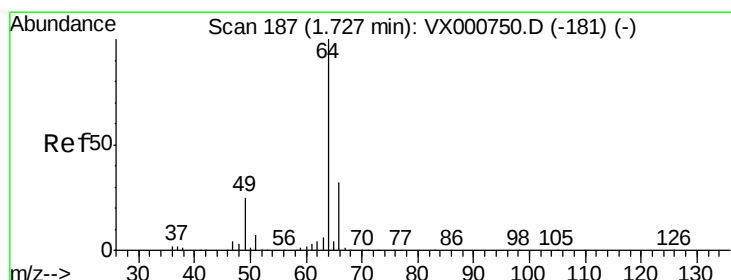
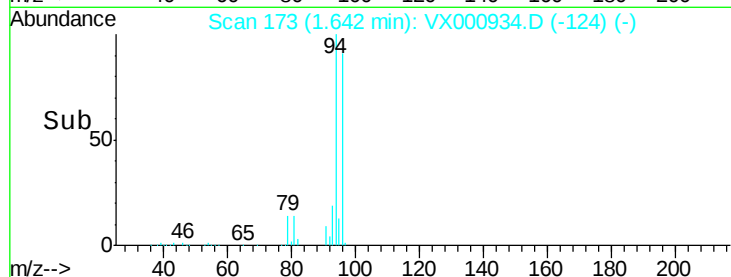
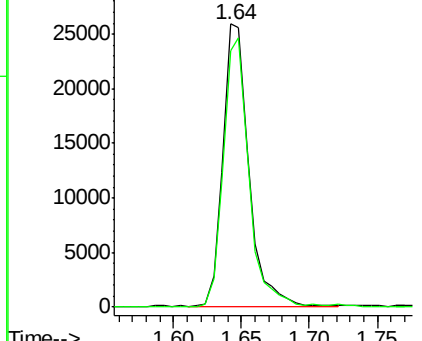
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.14 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000934.D

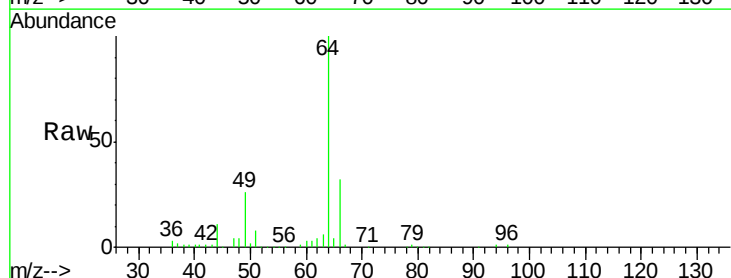
Acq: 16 Apr 2018 21:47

Tgt Ion: 64 Resp: 33355

Ion Ratio Lower Upper

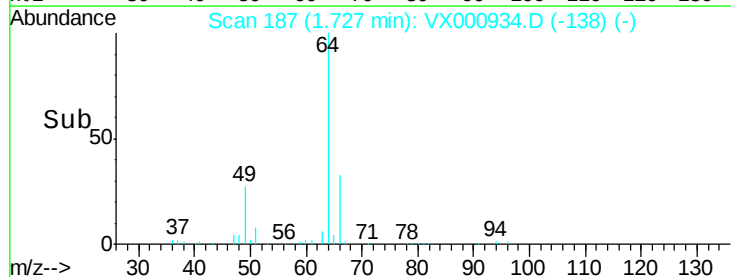
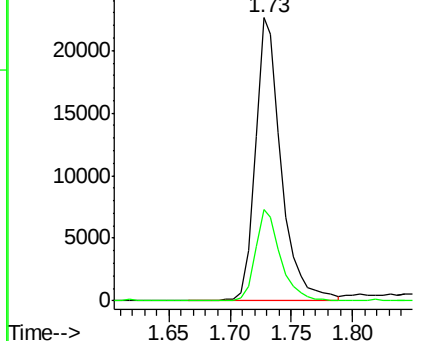
64 100

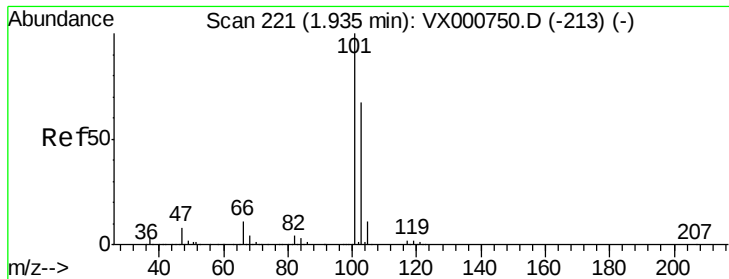
66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

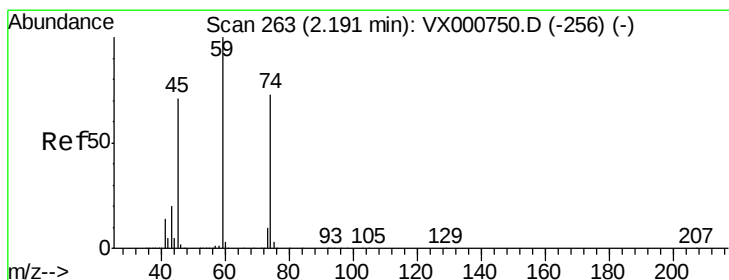
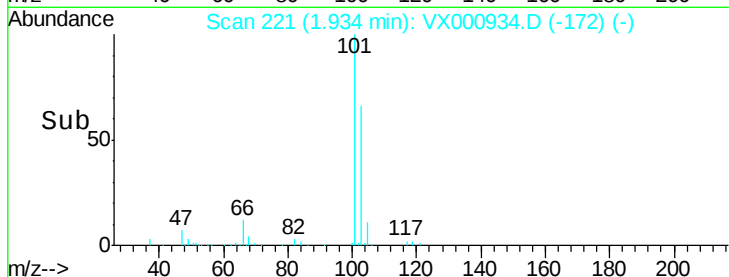
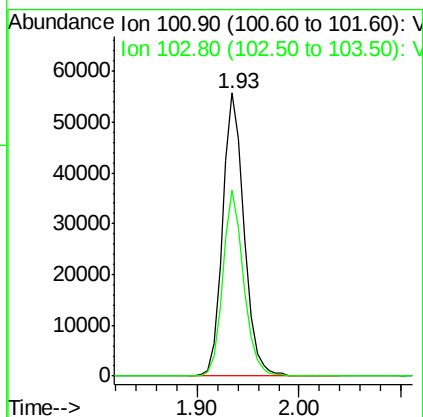
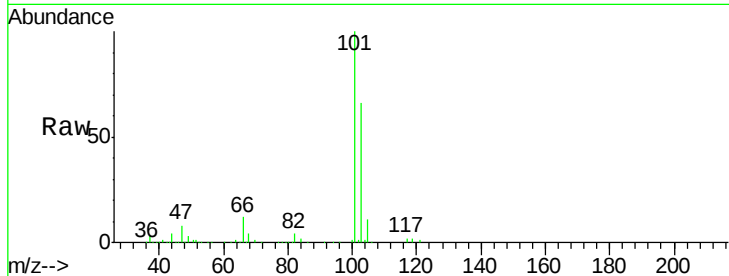
Trichlorofluoromethane
 Concen: 21.71 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
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 ClientSampleId :
 VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.2	79.8

Manual Integrations
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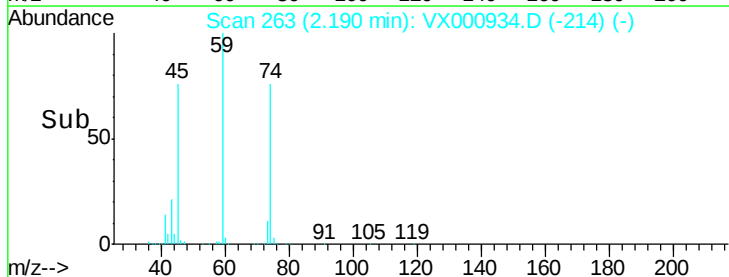
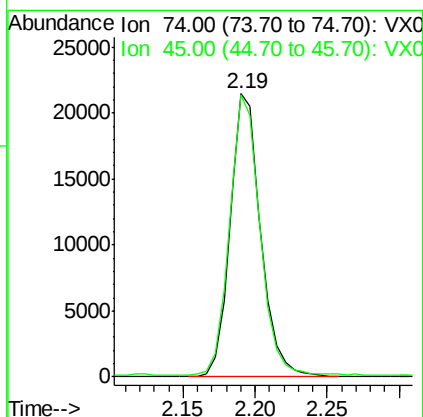
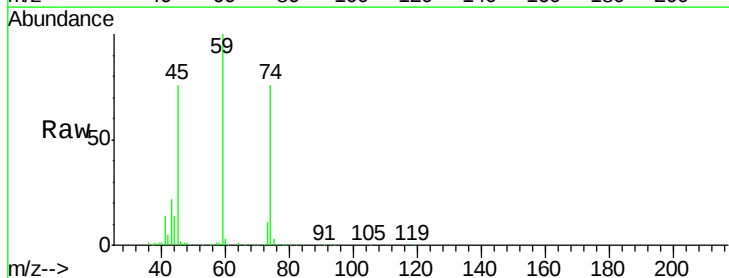
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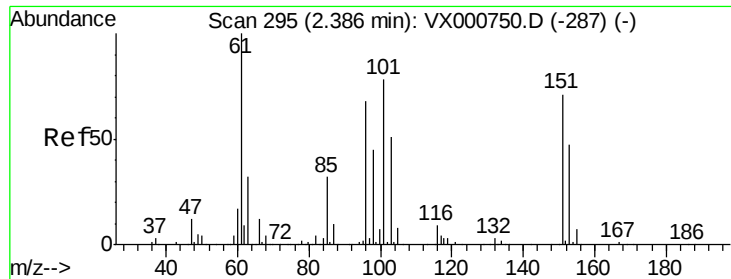


#8

Diethyl Ether
 Concen: 22.68 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.63 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

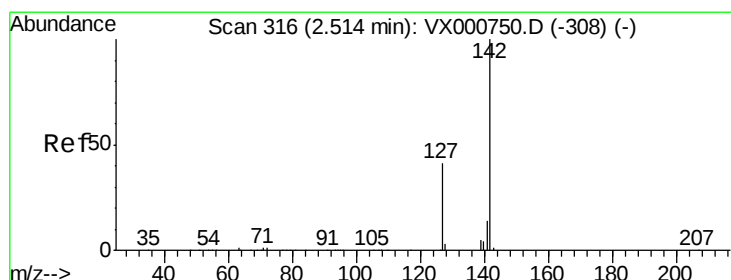
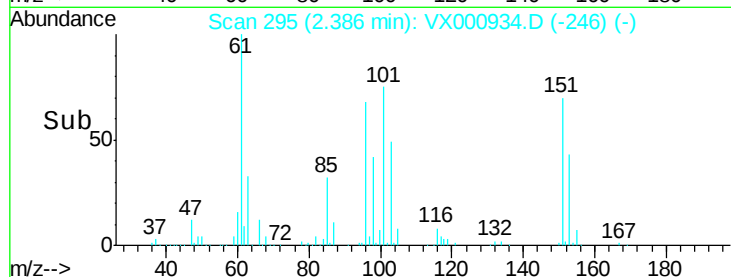
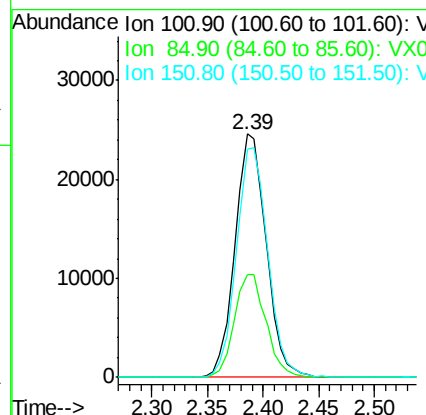
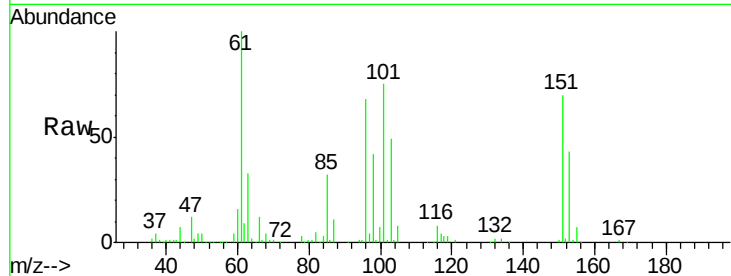
ClientSampleId :

VX0416MBSD01

Tot Ion:	101	Resp:	47820
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.0	51.0
151	94.9	75.8	113.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.29 ug/l

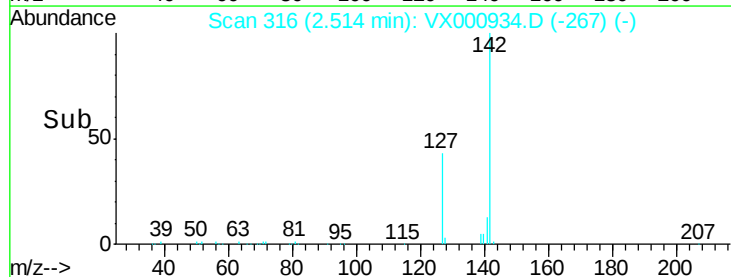
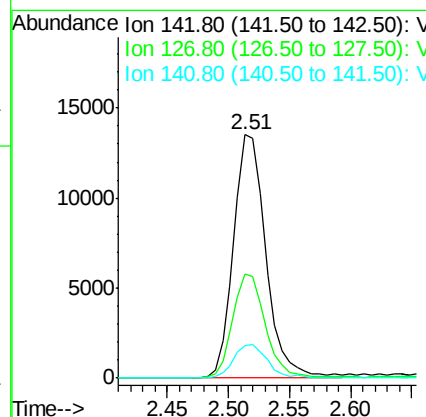
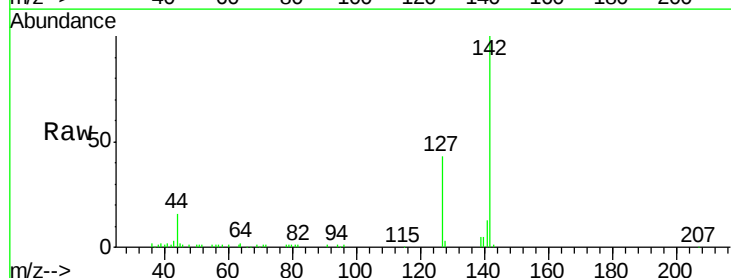
RT: 2.51 min Scan# 316

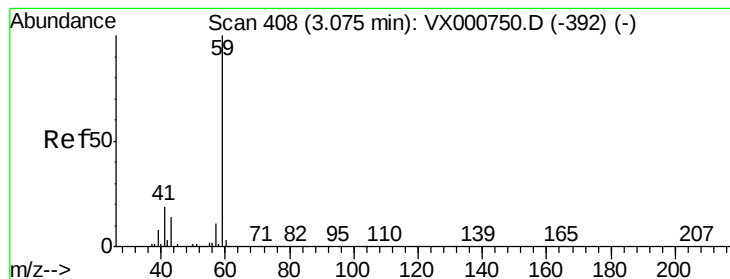
Delta R.T. 0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tgt Ion:	142	Resp:	24838
Ion Ratio	Lower	Upper	
142	100		
127	43.3	32.6	49.0
141	14.1	11.5	17.3





#11

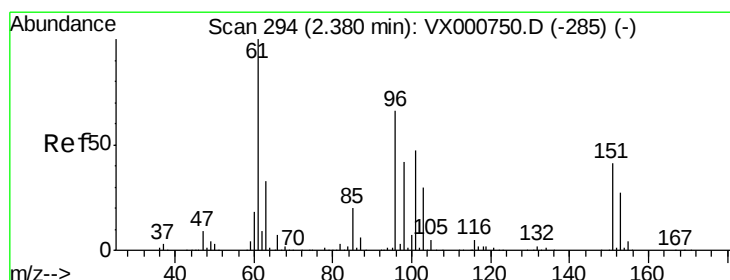
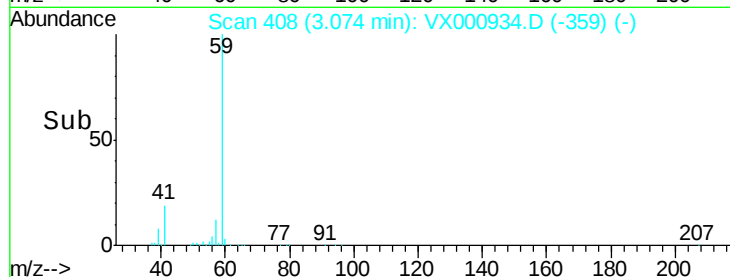
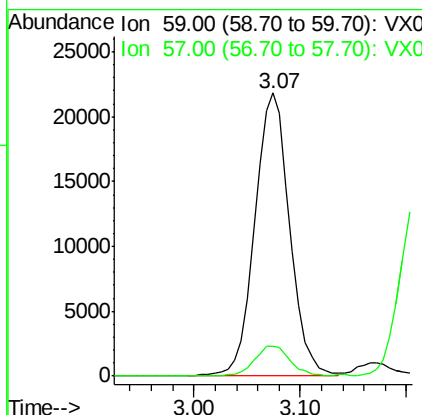
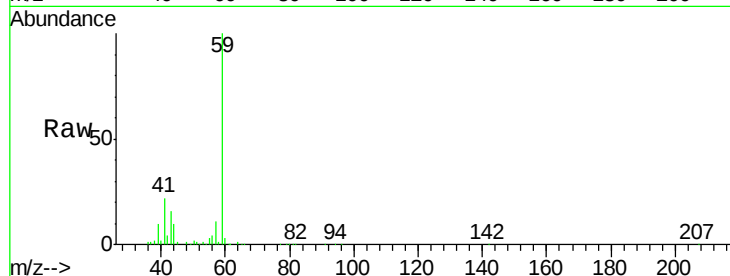
Tert butyl alcohol
Concen: 97.88 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	59	Resp	50030
Ion Ratio	100	Lower	Upper
57	11.3	8.4	12.6

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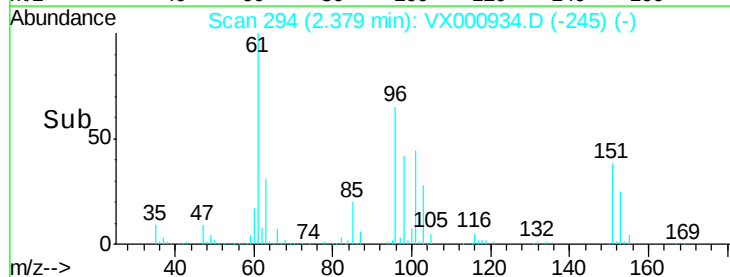
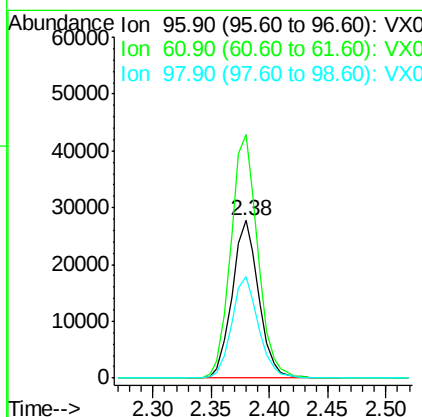
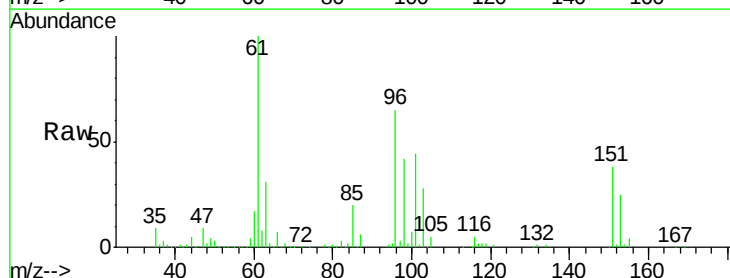
MMDadoda
4/18/2018 2:45:09 PM

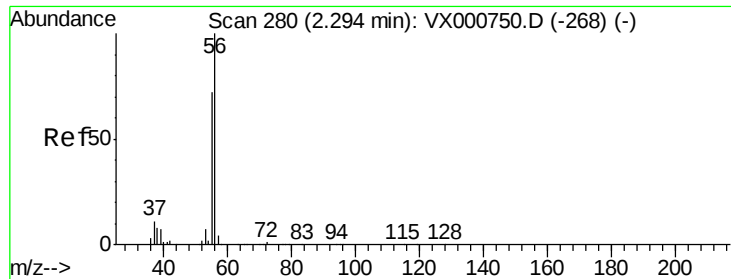


#12

1,1-Dichloroethene
Concen: 21.10 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	96	Resp	44213
Ion Ratio	100	Lower	Upper
61	154.8	120.5	180.7
98	64.6	50.9	76.3





#13

Acrolein

Concen: 92.30 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion: 56 Resp: 22911

Ion Ratio Lower Upper

56 100

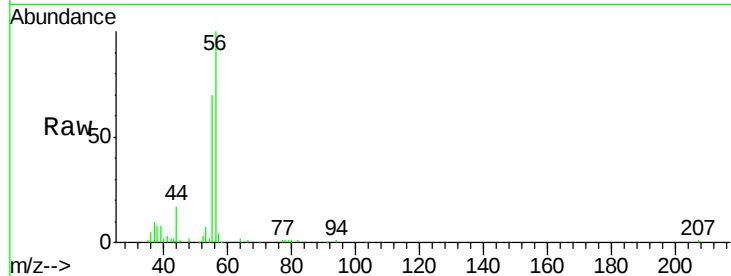
55 68.6 58.7 88.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

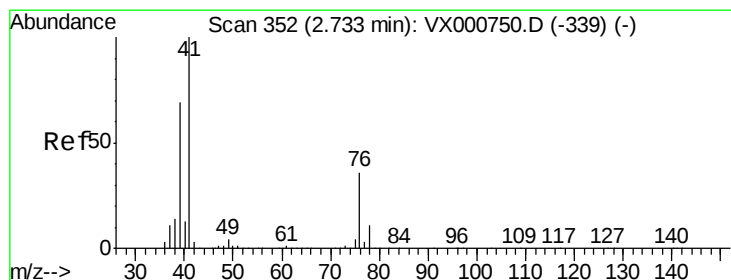
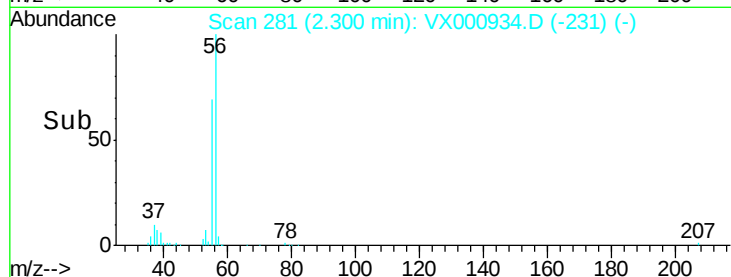
15000

10000

5000

2.30

Time-->



#14

Allyl chloride

Concen: 20.87 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

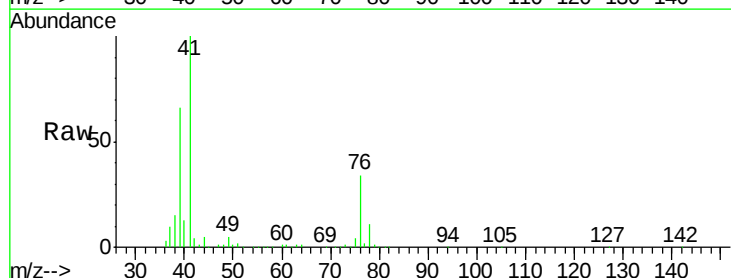
Tgt Ion: 41 Resp: 80857

Ion Ratio Lower Upper

41 100

39 63.8 51.5 77.3

76 32.7 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

50000

40000

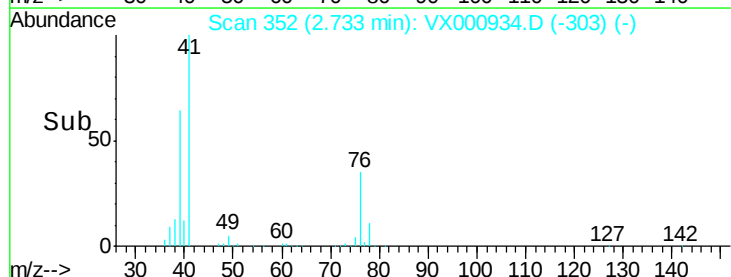
30000

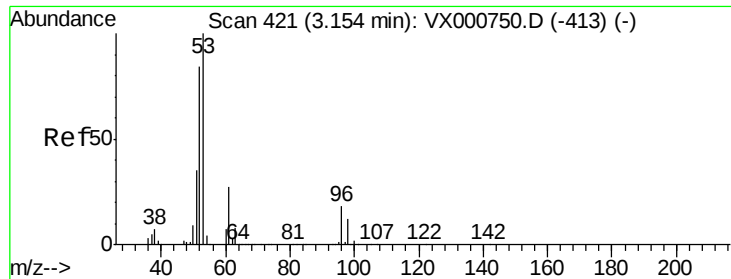
20000

10000

2.73

Time-->





#15

Acrylonitrile

Concen: 116.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

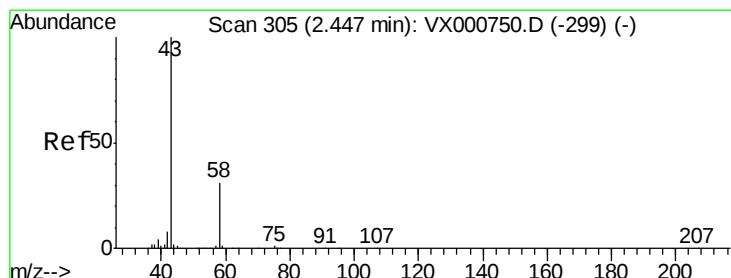
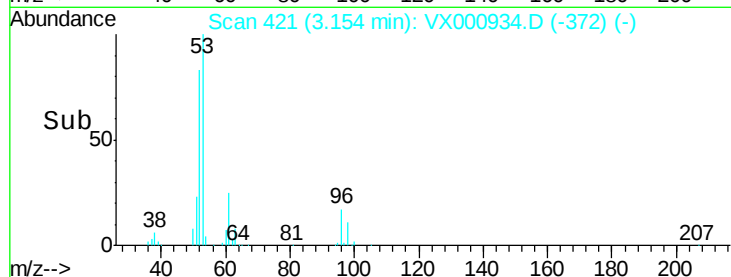
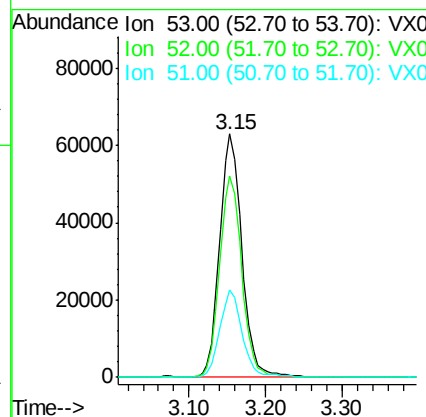
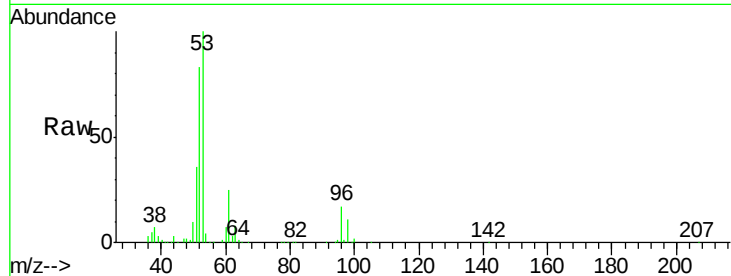
ClientSampleId :

VX0416MBSD01

Tot Ion:	53	Resp:	126896
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.5	99.7
51	35.8	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 106.20 ug/l

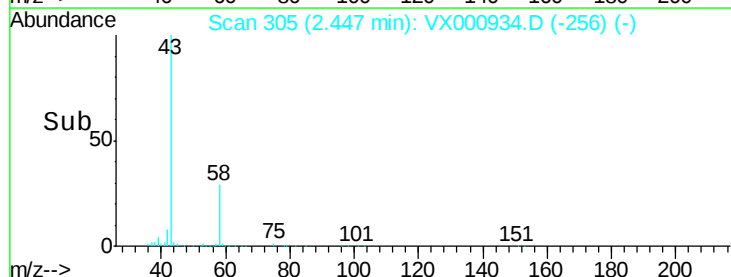
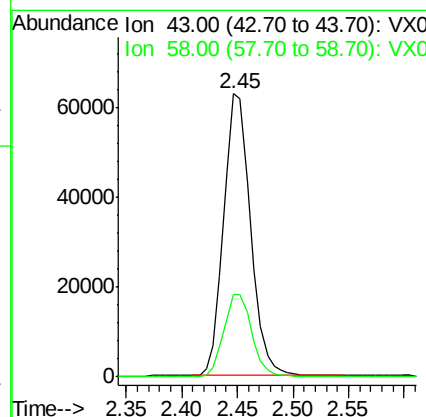
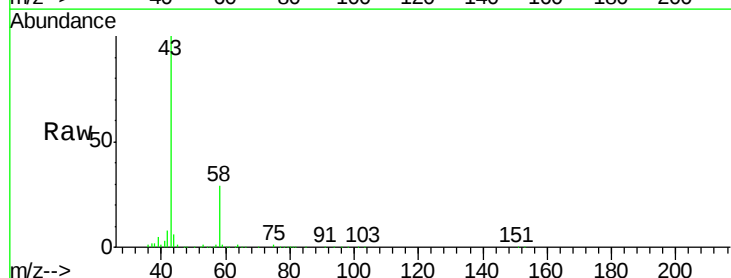
RT: 2.45 min Scan# 305

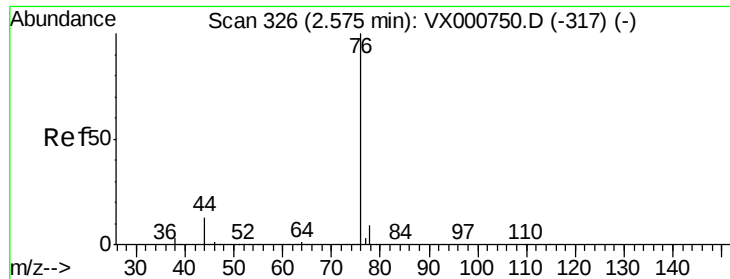
Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tgt Ion:	43	Resp:	105436
Ion Ratio		Lower	Upper
43	100		
58	29.4	24.6	37.0





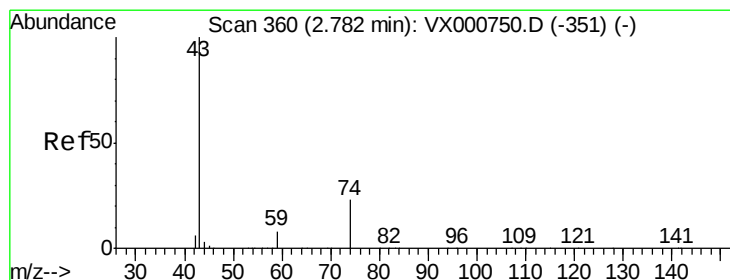
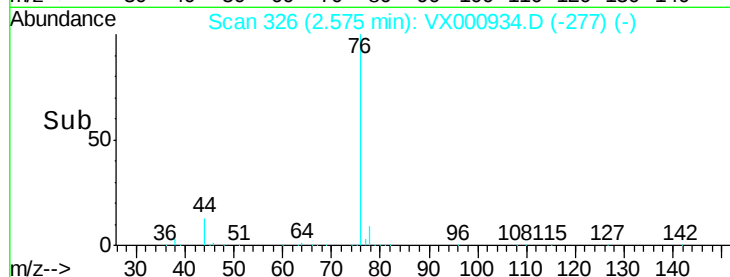
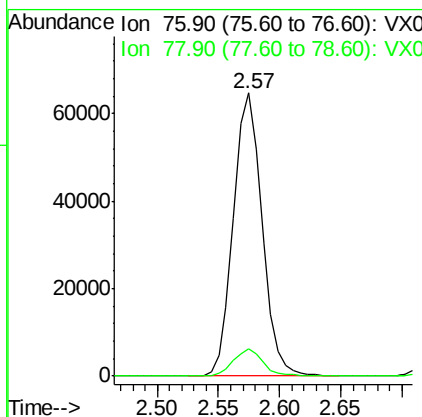
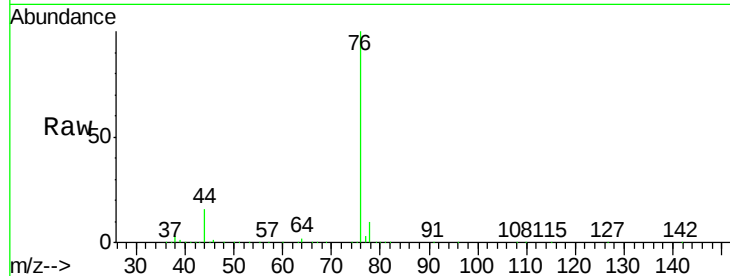
#17
Carbon Disulfide
Concen: 16.60 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

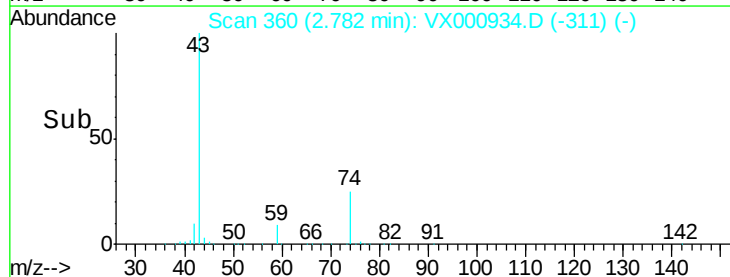
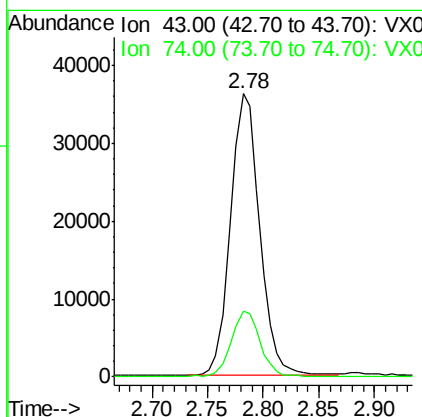
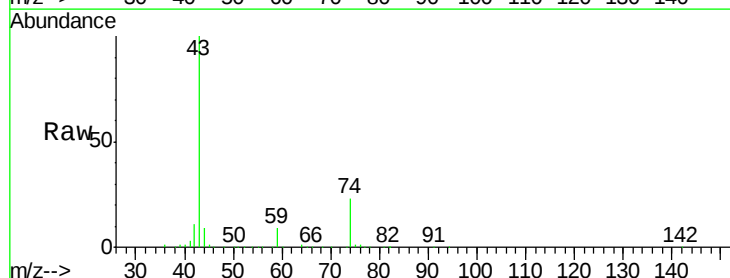
Manual Integrations
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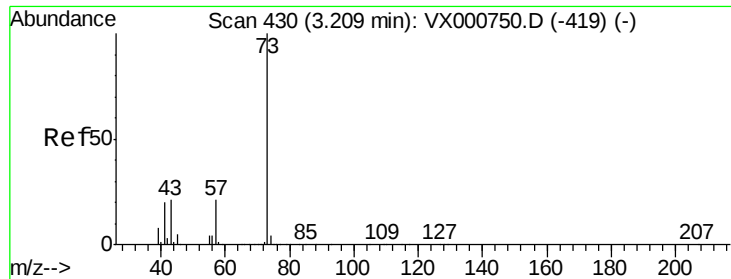
MMDadoda
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#18
Methyl Acetate
Concen: 25.48 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.1	28.7





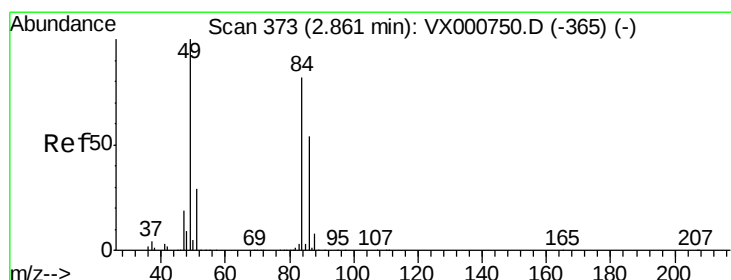
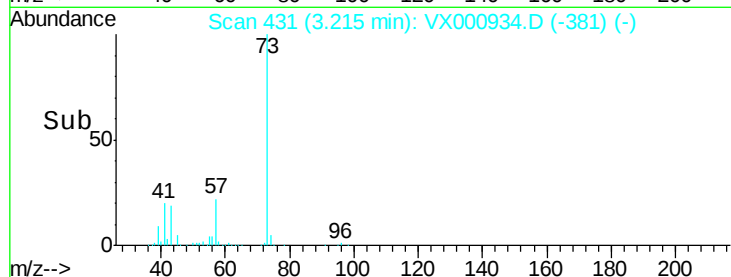
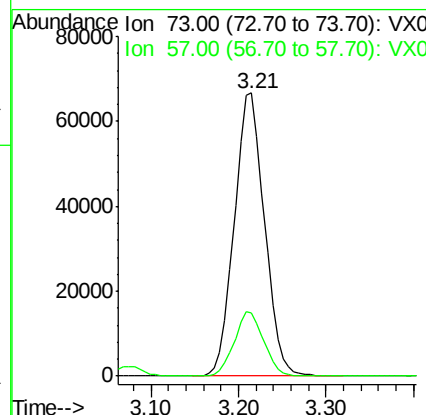
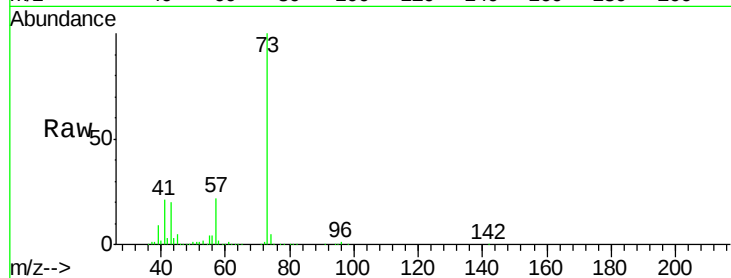
#19
Methyl tert-butyl Ether
Concen: 23.00 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	160527		
57	57	22.1		16.9	25.3

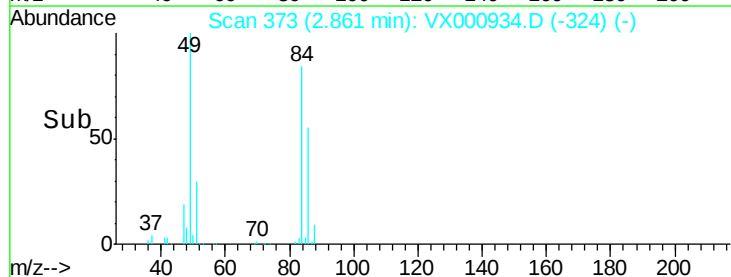
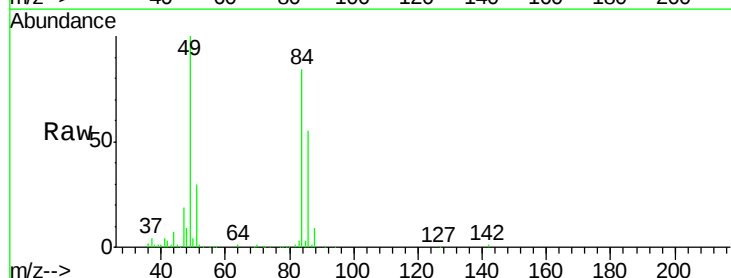
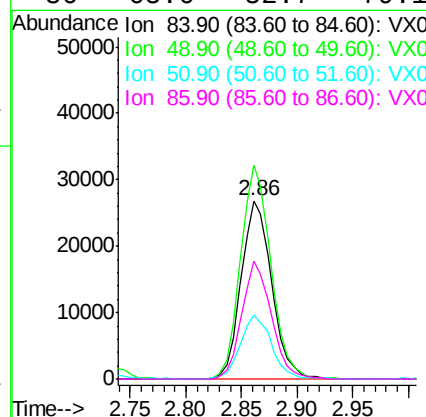
Manual Integrations
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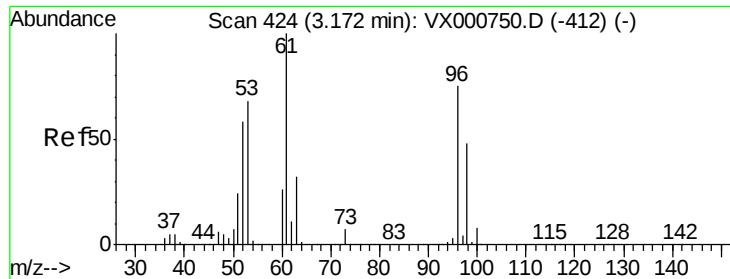
MMDadoda
4/18/2018 2:45:09 PM



#20
Methylene Chloride
Concen: 22.15 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	84	100	51159		
49	49	119.6		98.1	147.1
51	51	36.1		28.9	43.3
86	86	65.6		52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 20.78 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

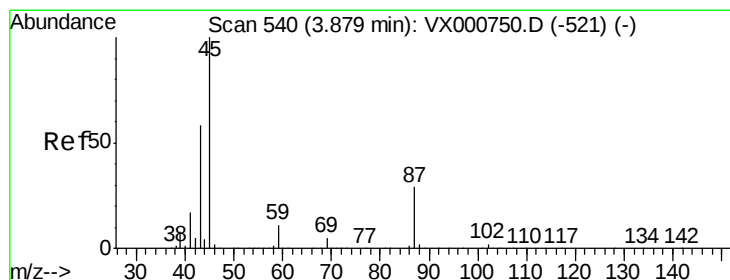
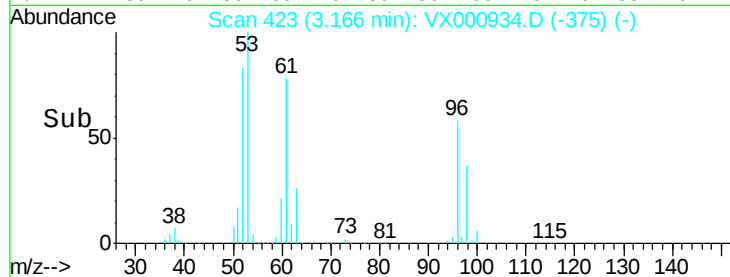
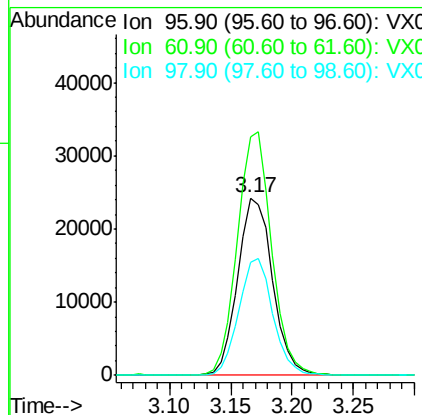
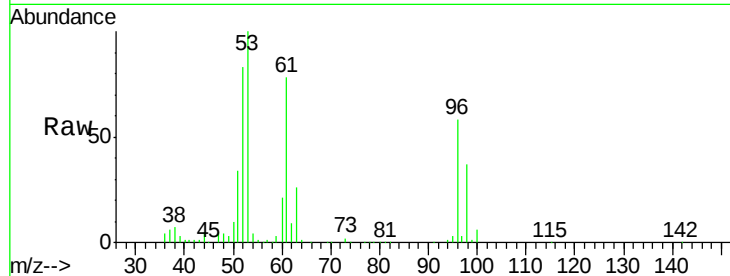
ClientSampleId :

VX0416MBSD01

Tot Ion:	96	Resp:	48020
Ion	Ratio	Lower	Upper
96	100		
61	134.3	106.2	159.2
98	63.7	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.45 ug/l

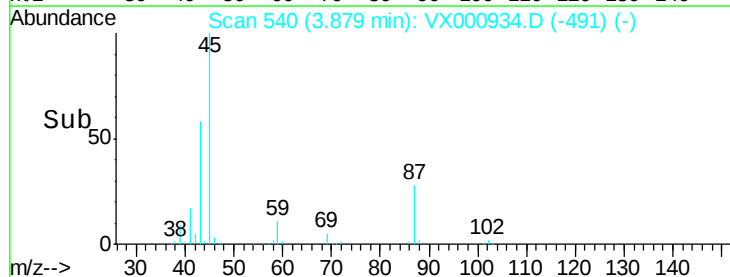
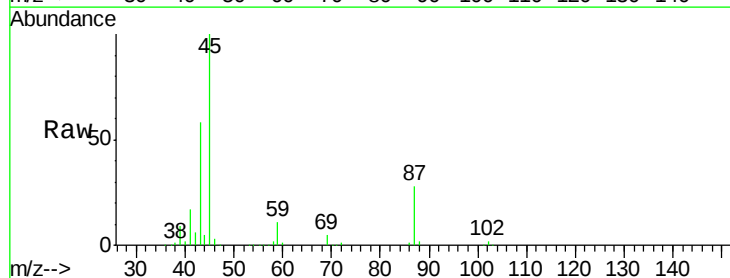
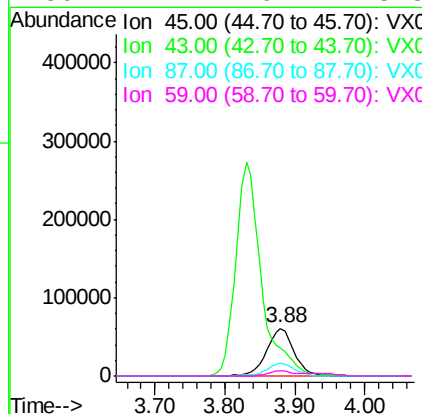
RT: 3.88 min Scan# 540

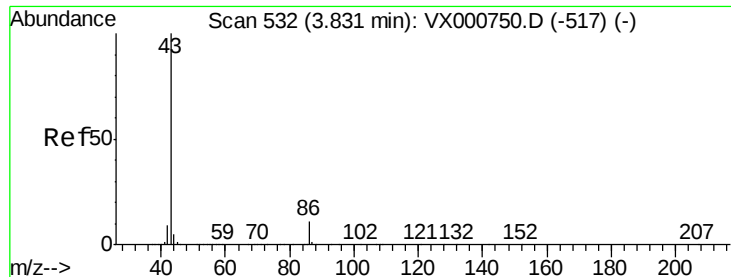
Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tgt Ion:	45	Resp:	166975
Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.6	69.8
87	27.5	22.9	34.3
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 112.36 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion: 43 Resp: 702530

Ion Ratio Lower Upper

43 100

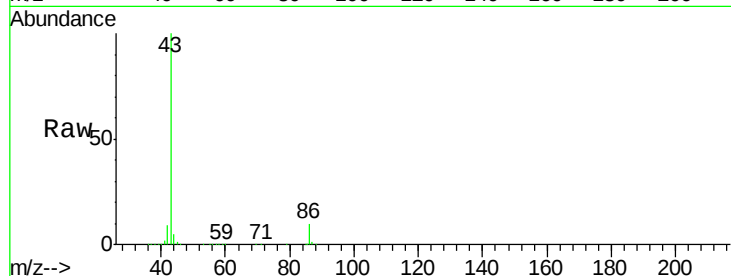
86 10.2 8.6 12.8

Manual Integrations

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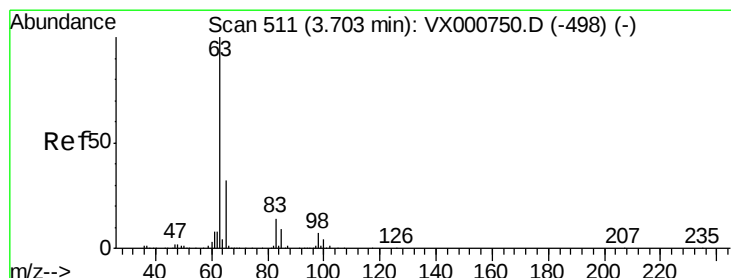
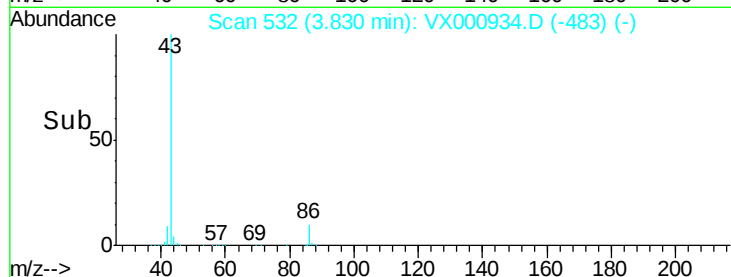
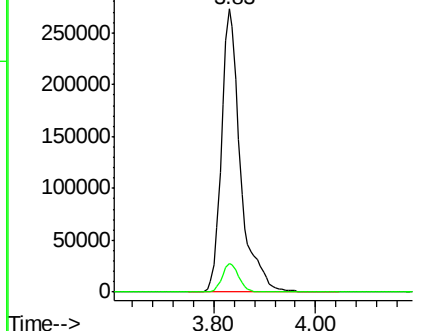
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 22.73 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

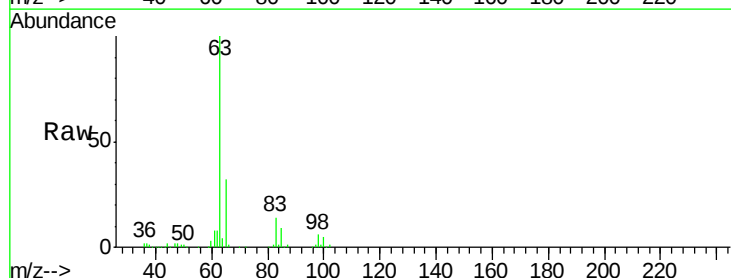
Tgt Ion: 63 Resp: 90821

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

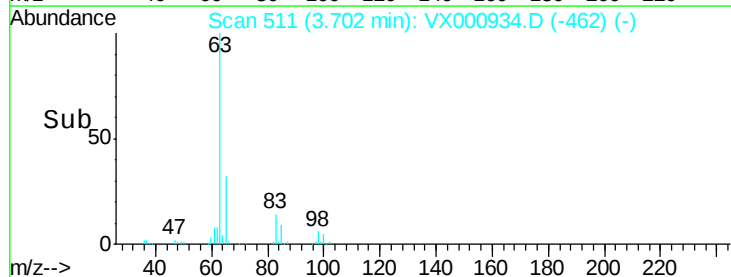
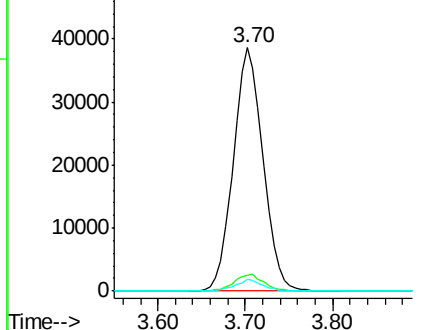
100 4.6 2.1 6.3

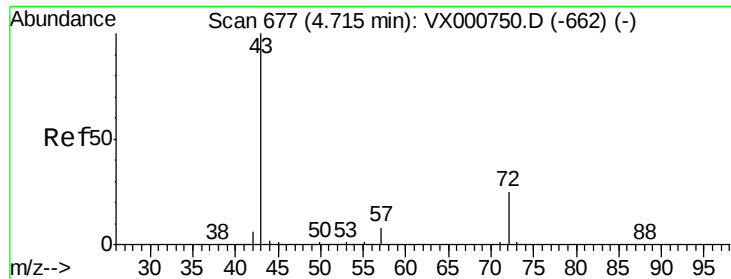


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 108.45 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tot Ion: 43 Resp: 177807

Ion Ratio Lower Upper

43 100

72 24.7 20.3 30.5

Instrument :

MSVOA_X

ClientSampleId :

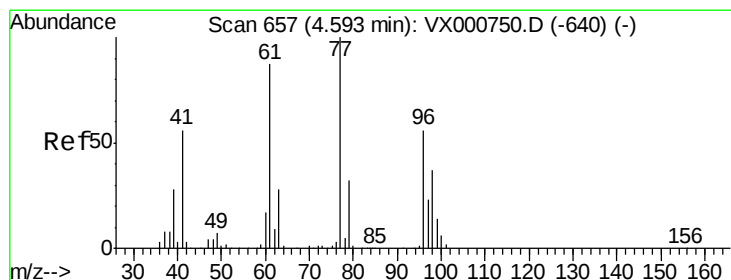
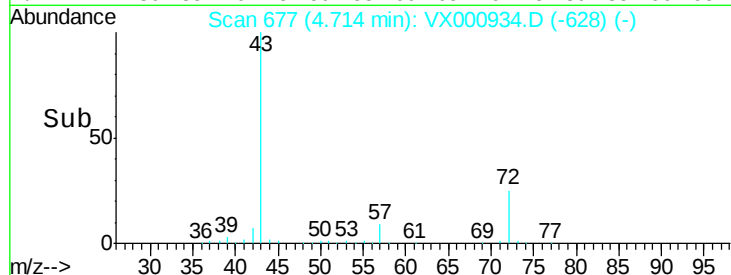
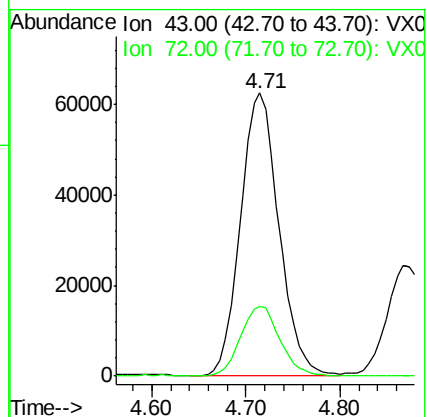
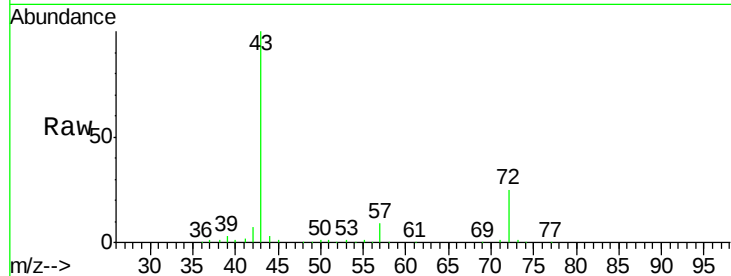
VX0416MBSD01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.69 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000934.D

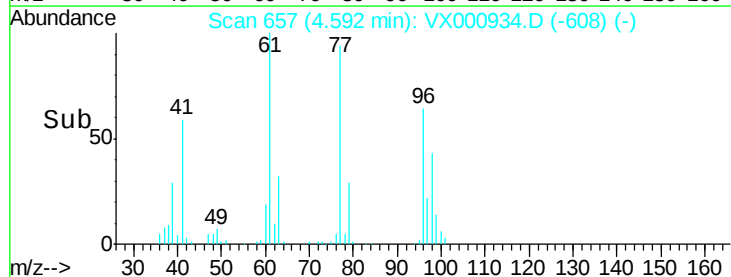
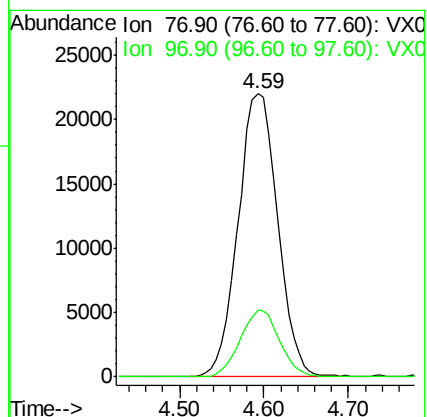
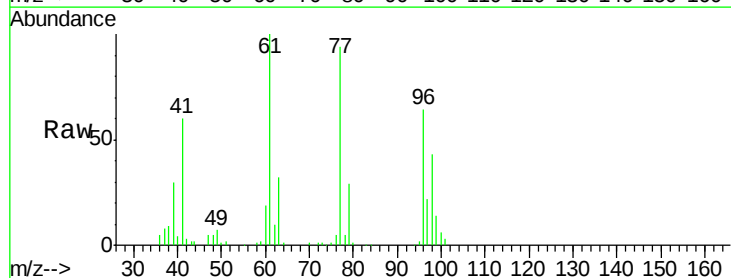
Acq: 16 Apr 2018 21:47

Tgt Ion: 77 Resp: 70172

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4





#27

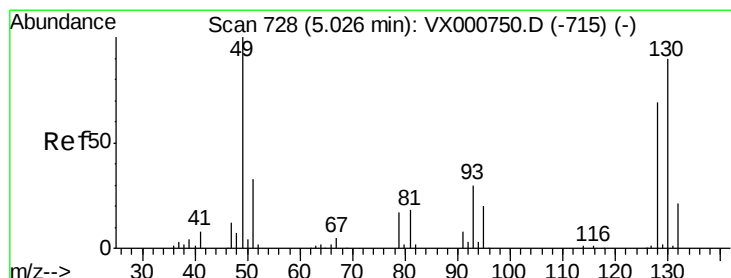
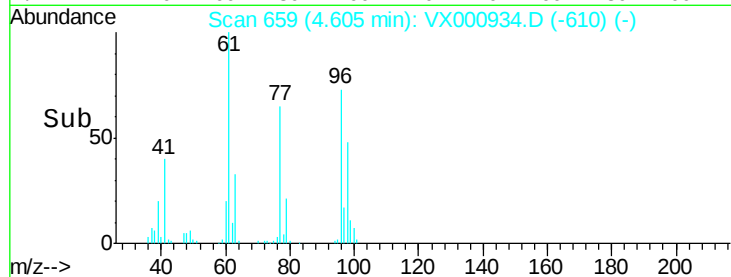
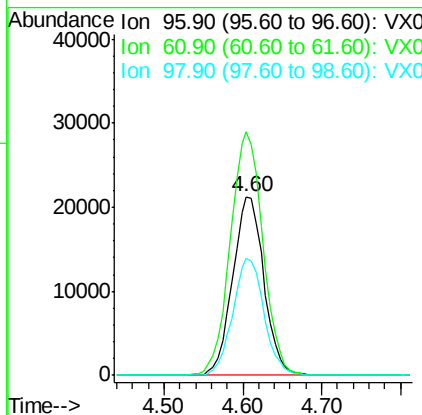
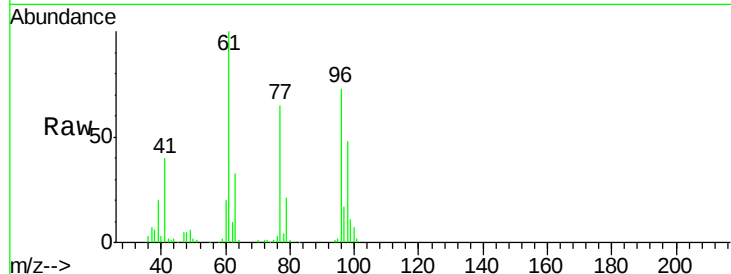
cis-1,2-Dichloroethene
Concen: 22.26 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.6	0.0	292.4	
98	65.6	0.0	130.2	

Manual Integrations
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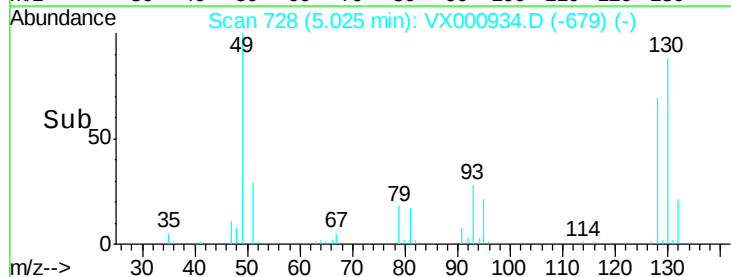
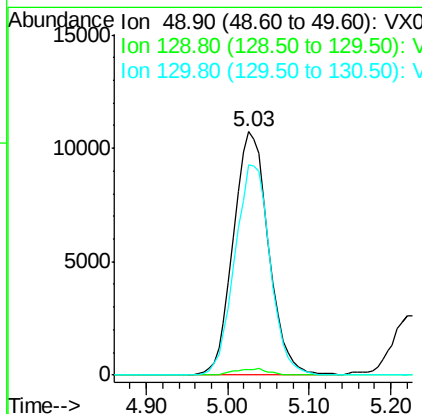
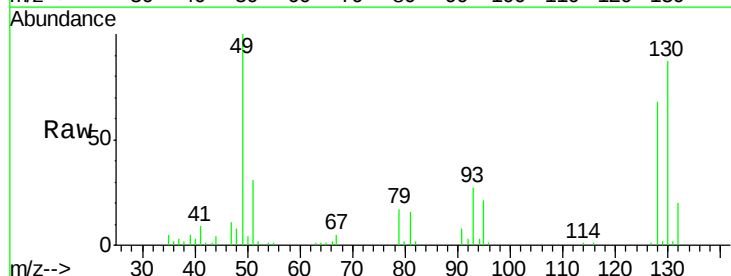
MMDadoda
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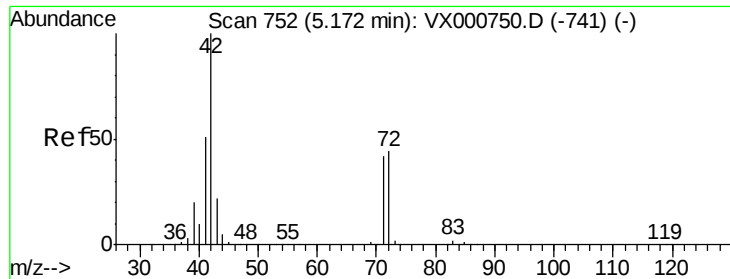


#28

Bromochloromethane
Concen: 19.94 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.2	
130	86.7	72.6	109.0	





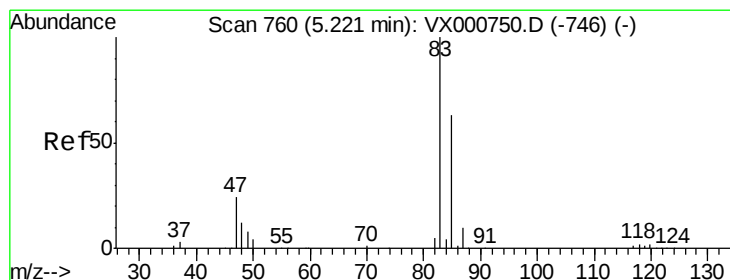
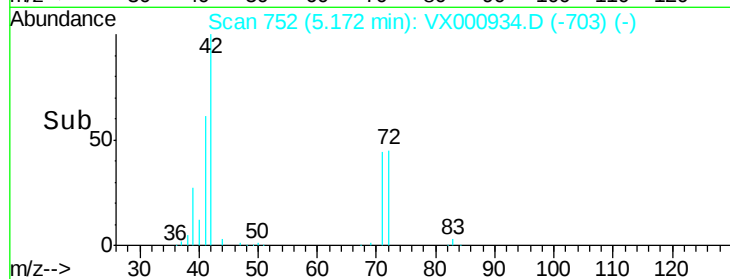
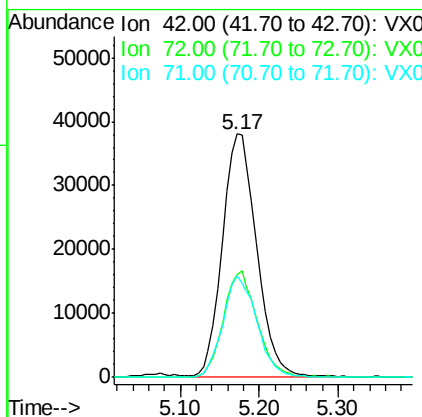
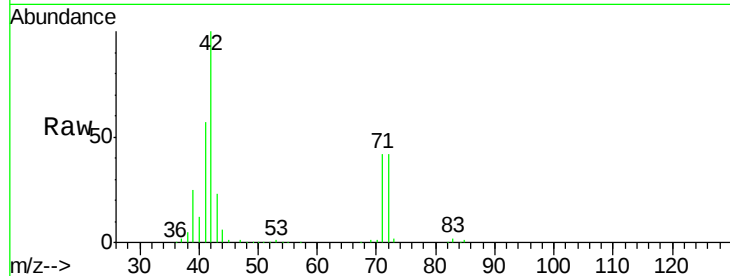
#29
Tetrahydrofuran
Concen: 109.94 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.1	52.7
71	41.4	32.8	49.2

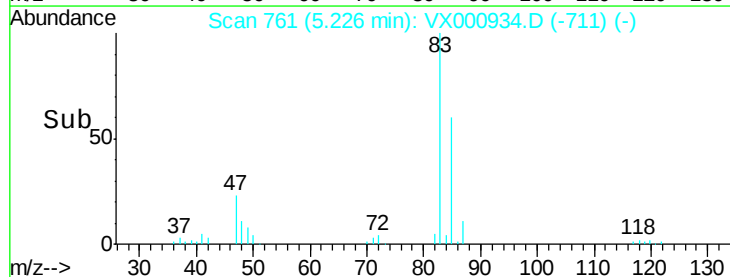
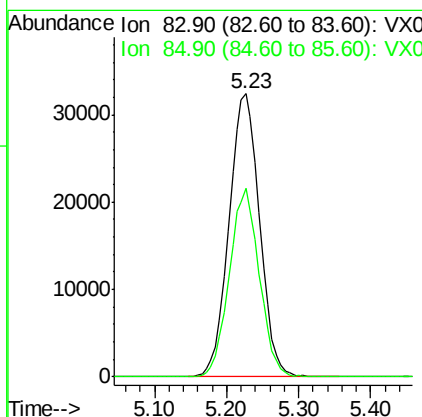
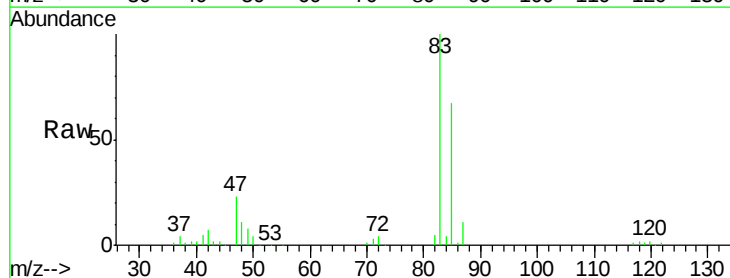
Manual Integrations
APPROVED

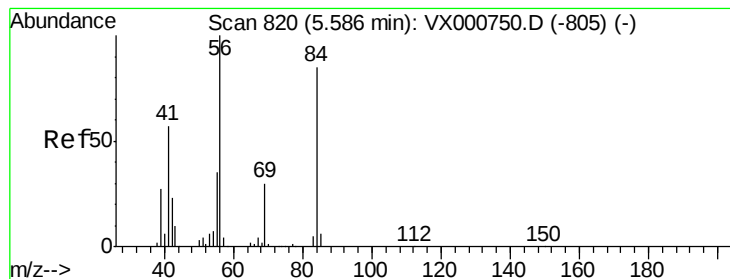
MMDadoda
4/18/2018 2:45:09 PM



#30
Chloroform
Concen: 22.60 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.7	76.1





#31

Cyclohexane

Concen: 20.43 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion: 56 Resp: 77519

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

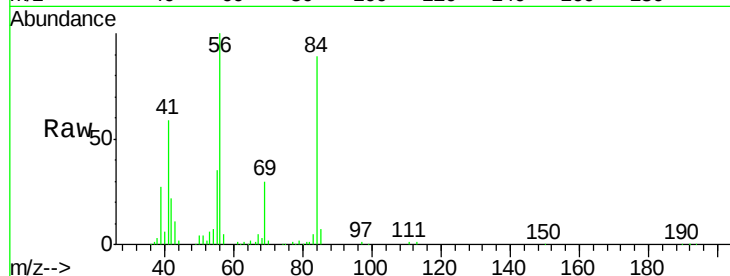
84 86.8 67.6 101.4

Manual Integrations

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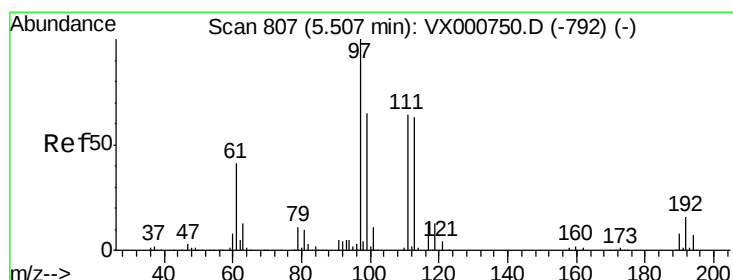
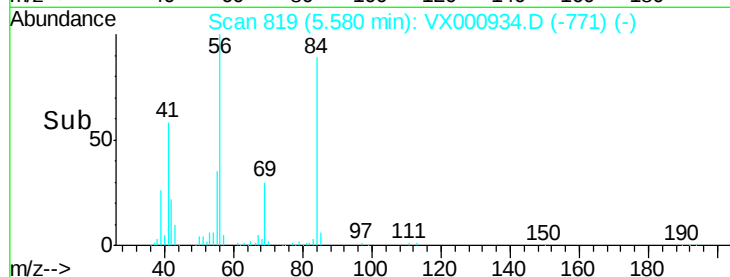
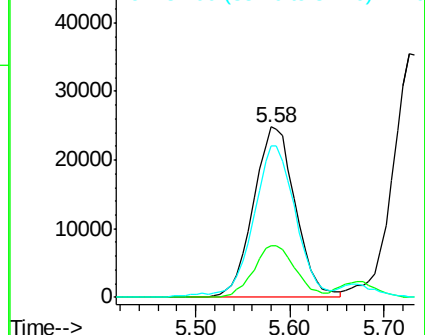
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.12 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

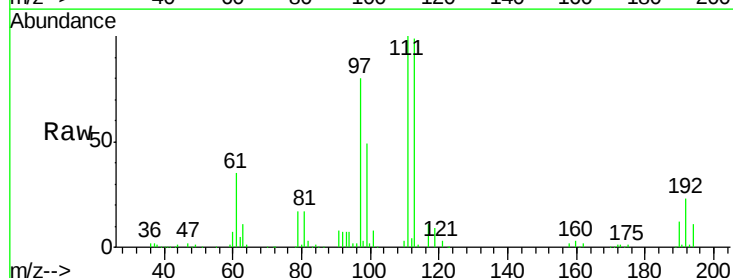
Tgt Ion: 97 Resp: 85126

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

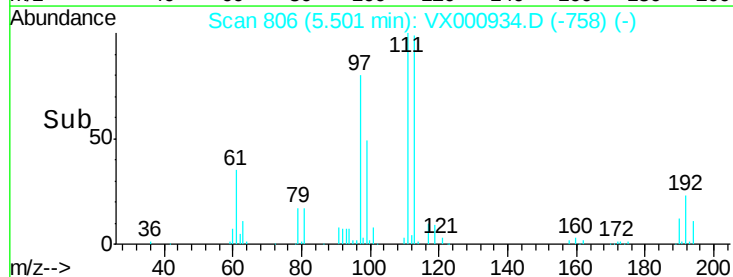
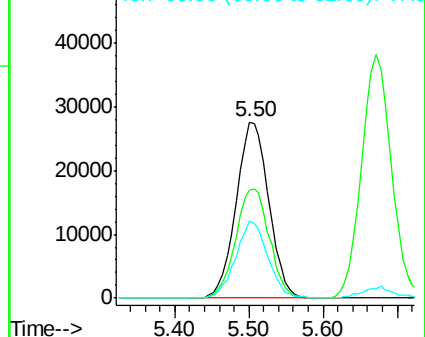
61 42.8 33.7 50.5

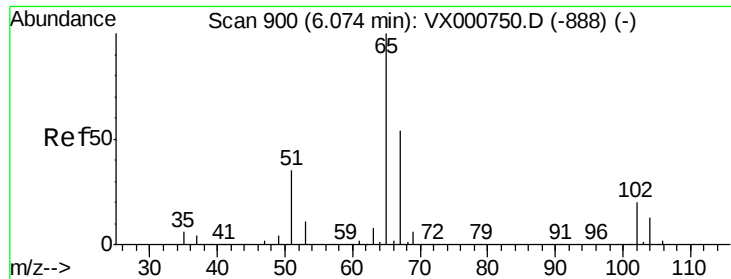


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.31 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 65 Resp: 139086

Ion Ratio Lower Upper

65 100

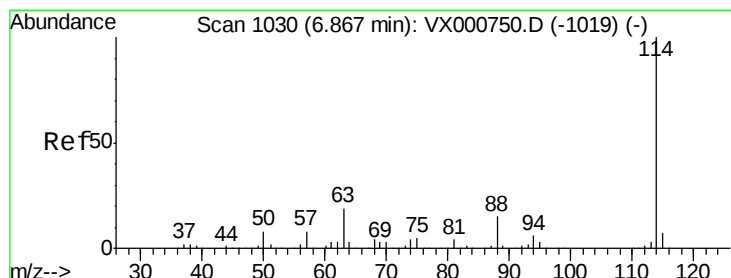
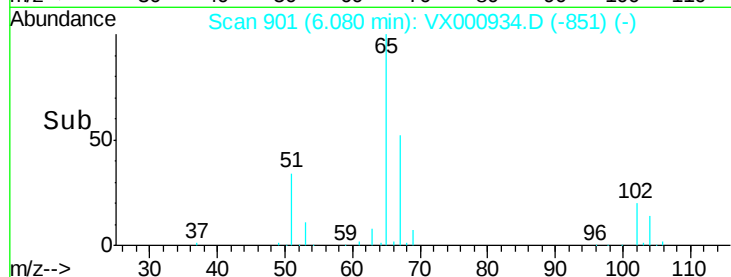
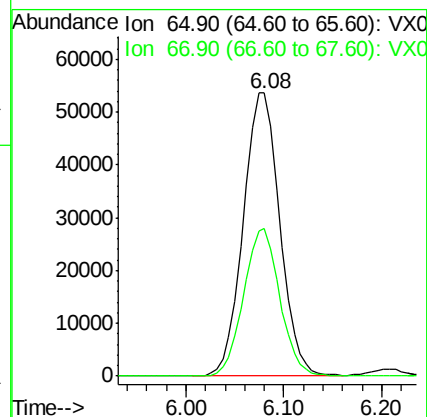
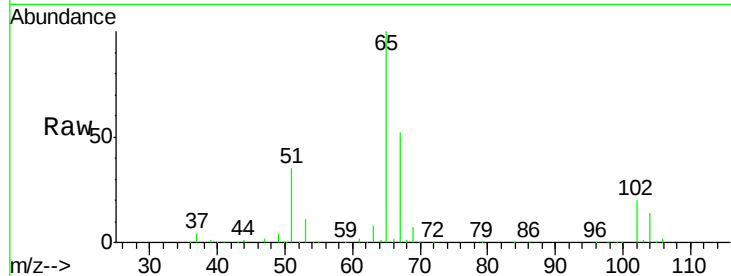
67 51.7 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

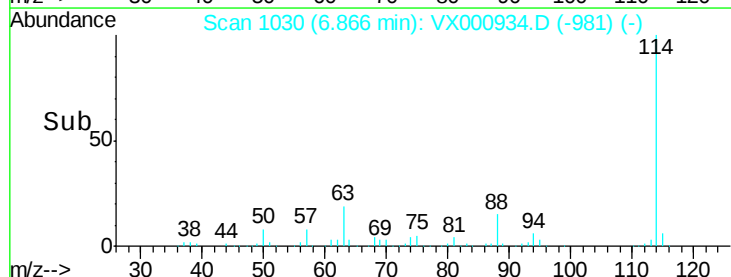
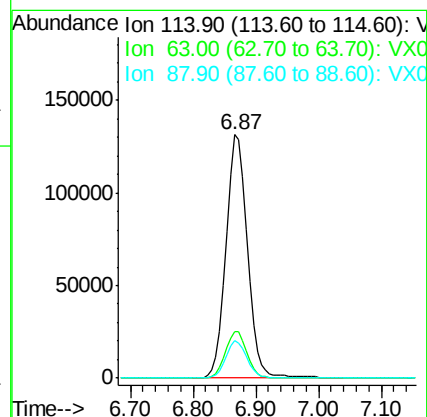
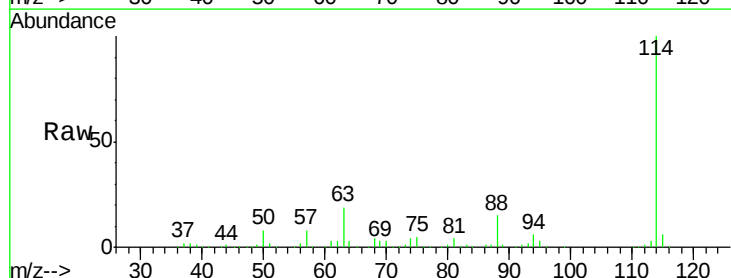
Tgt Ion: 114 Resp: 313488

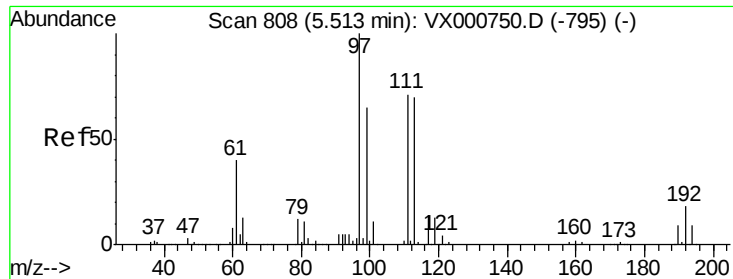
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 15.4 0.0 31.0





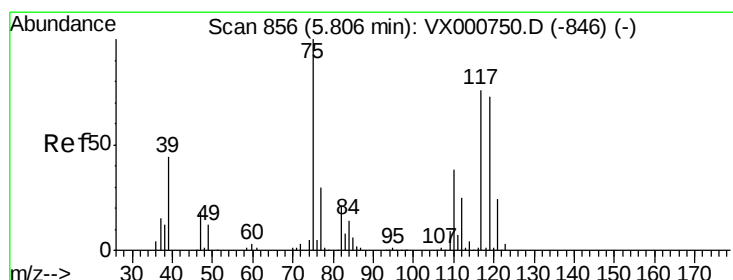
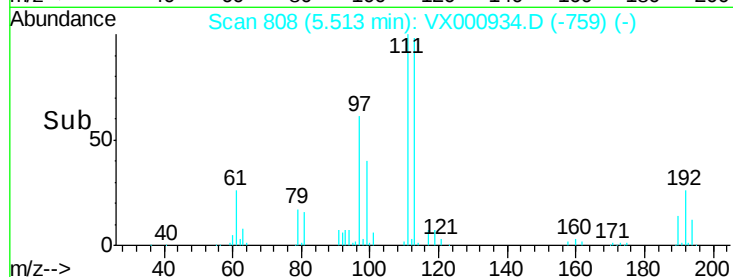
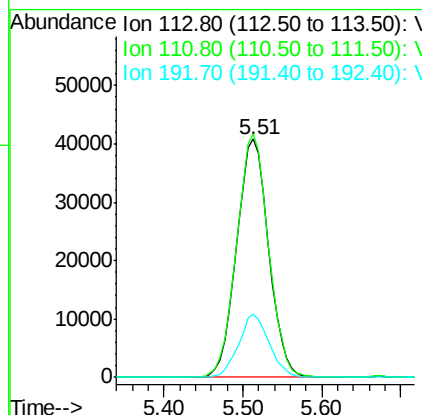
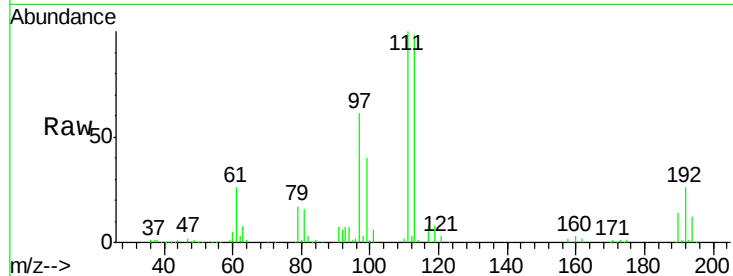
#35
 Dibromofluoromethane
 Concen: 47.70 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115210		
111	101.3	81.5	122.3	
192	25.2	20.4	30.6	

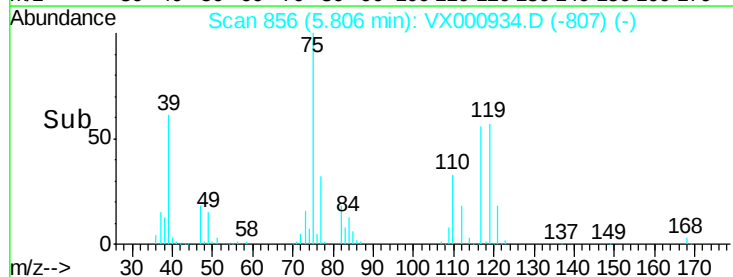
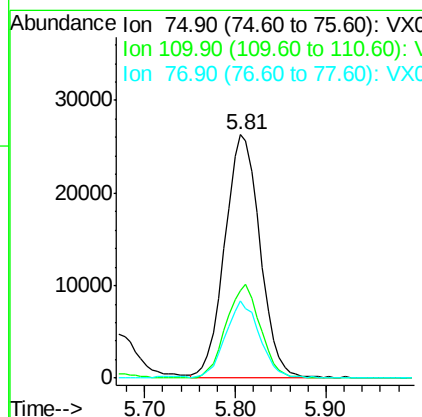
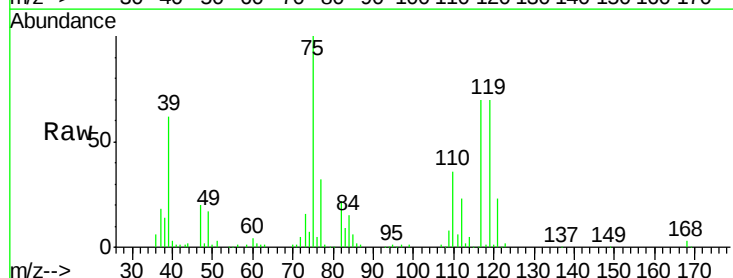
Manual Integrations
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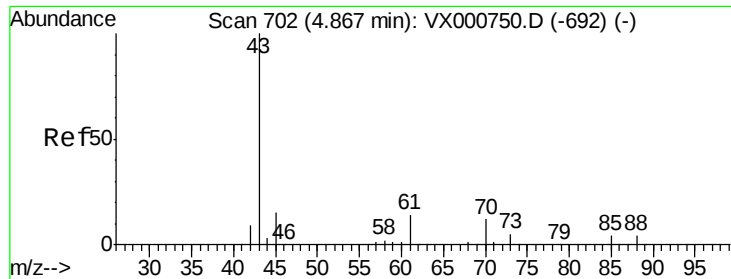
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#36
 1,1-Dichloropropene
 Concen: 20.38 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70372		
110	37.8	19.2	57.6	
77	31.1	25.4	38.2	





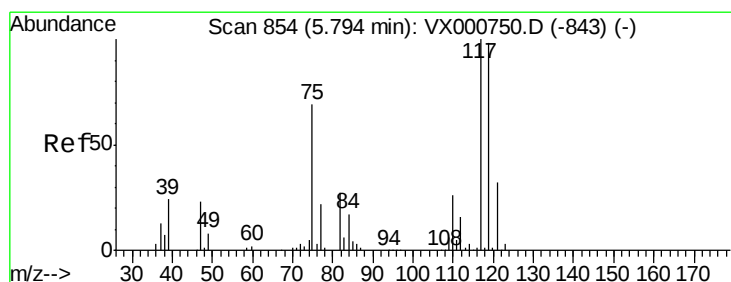
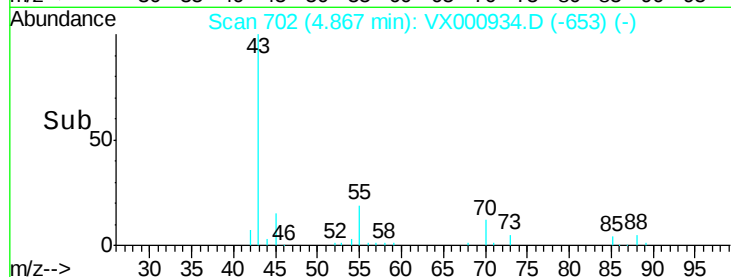
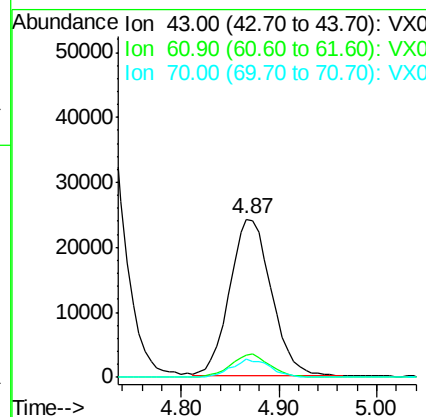
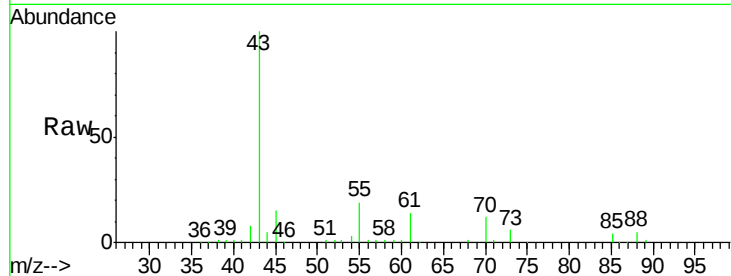
#37
Ethyl Acetate
Concen: 21.17 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

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

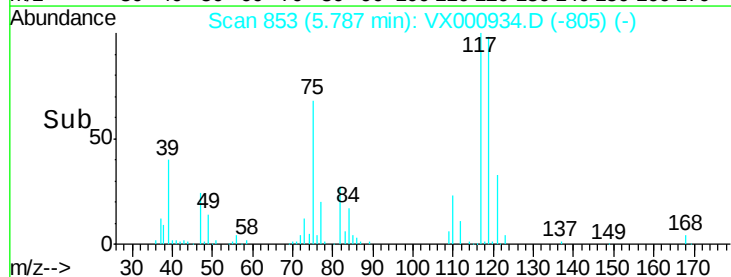
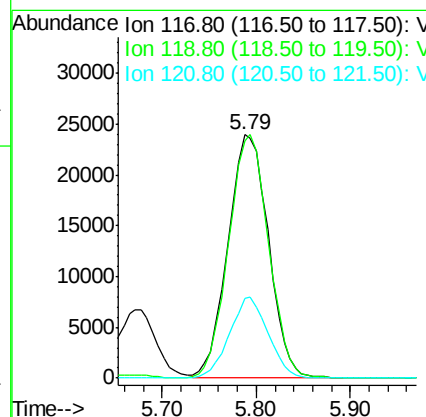
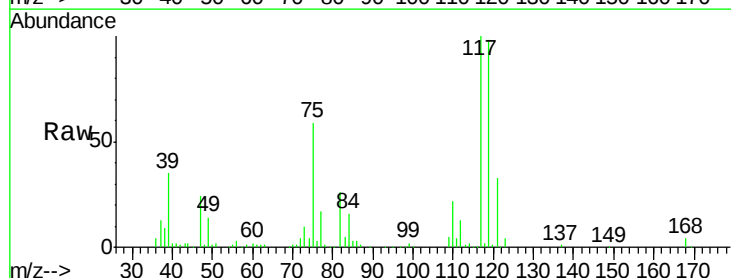
Manual Integrations
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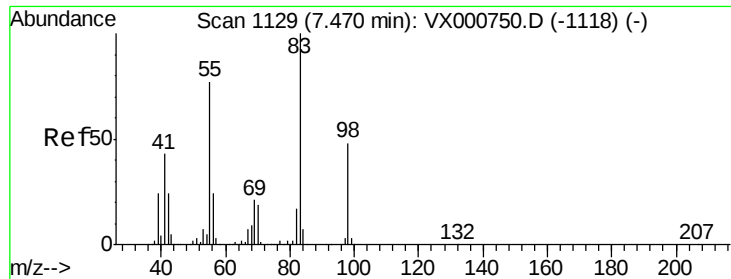
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.43 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.4	117.6
121	32.9	25.4	38.0





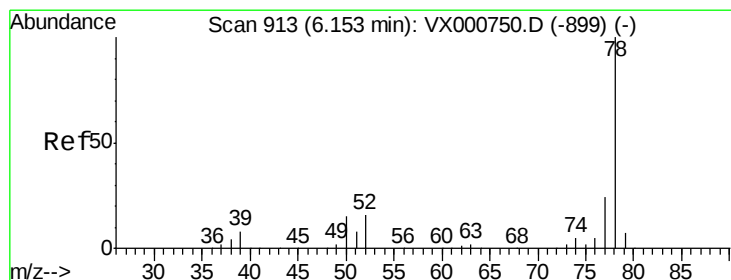
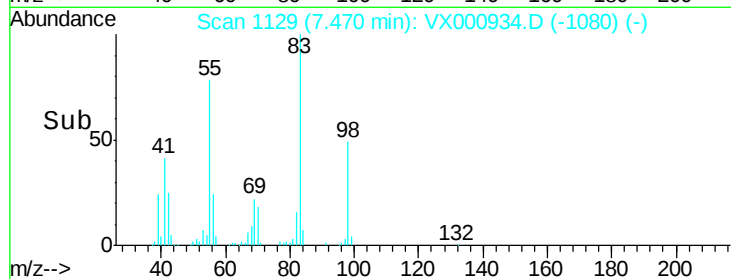
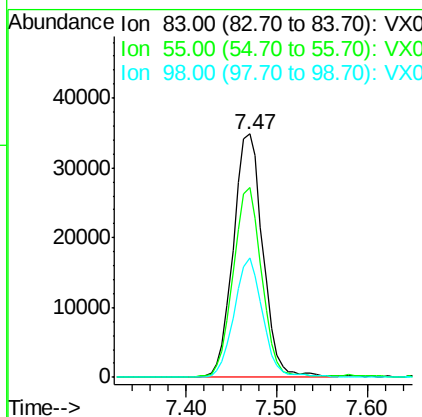
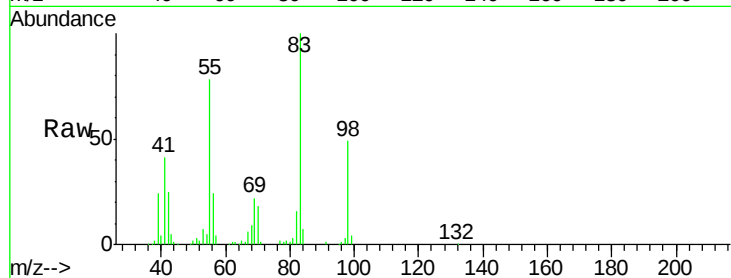
#39
Methvlcvclohexane
Concen: 19.10 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	79180		
55	78.2		61.5	92.3
98	48.8		38.1	57.1

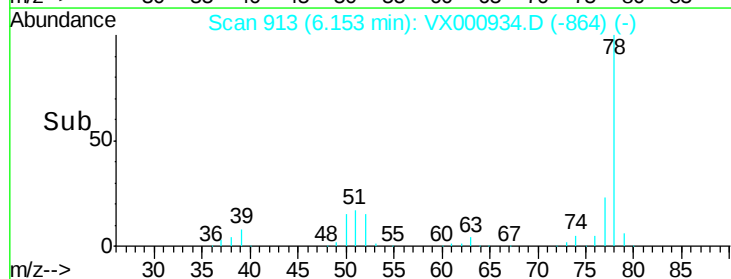
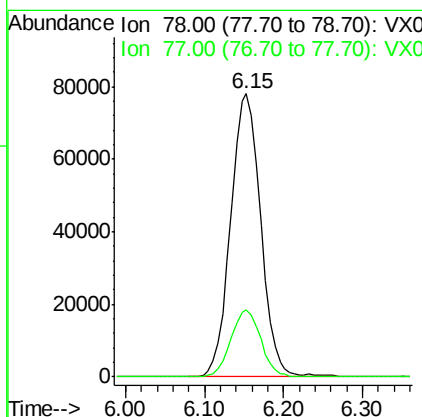
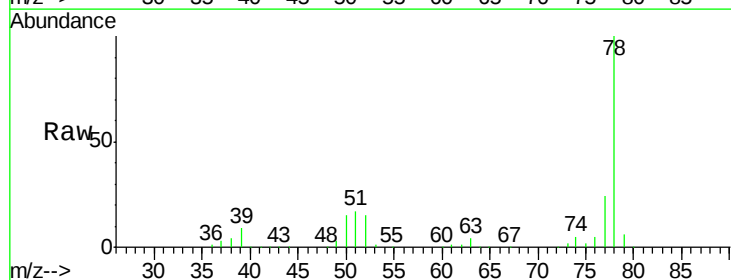
Manual Integrations
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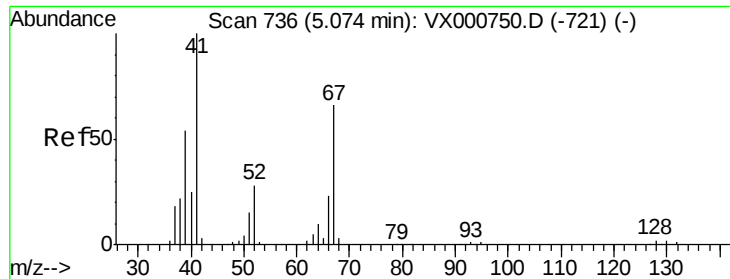
MMDadoda
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#40
Benzene
Concen: 21.60 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	207190		
77	23.6		19.0	28.6





#41

Methacrylonitrile

Concen: 22.06 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

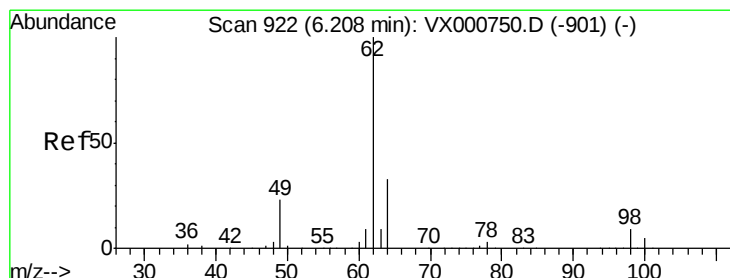
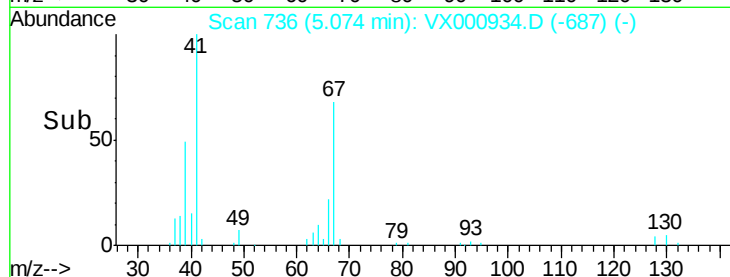
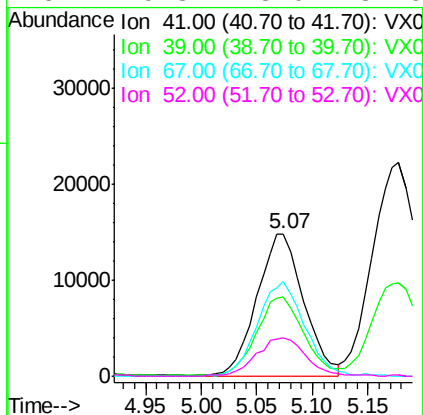
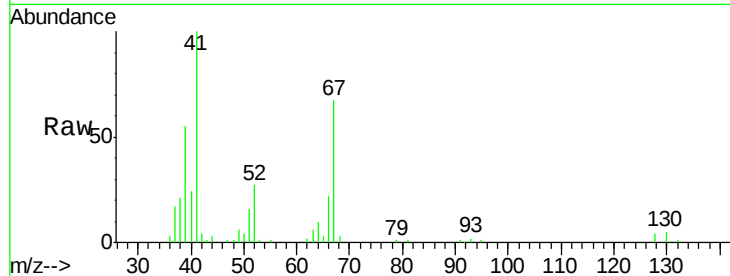
ClientSampleId :

VX0416MBSD01

Tot Ion:	41	Resp:	42960
Ion	Ratio	Lower	Upper
41	100		
39	56.1	44.9	67.3
67	67.4	54.7	82.1
52	29.3	23.0	34.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.36 ug/l

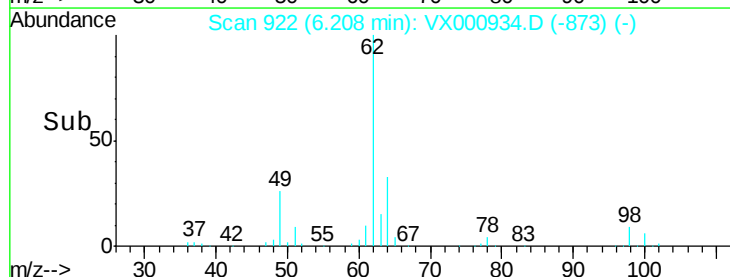
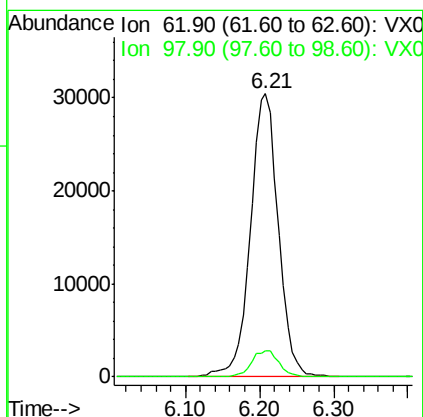
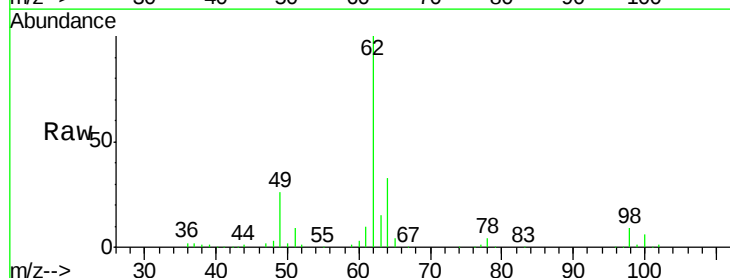
RT: 6.21 min Scan# 922

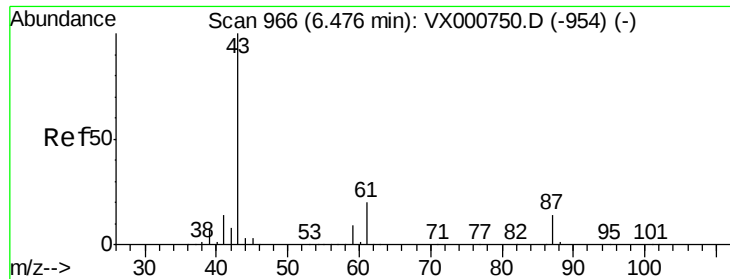
Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tgt Ion:	62	Resp:	80129
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6





#43

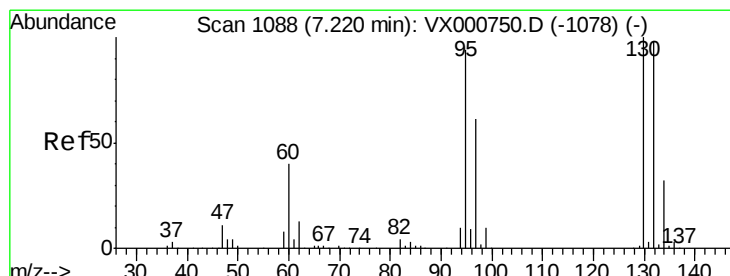
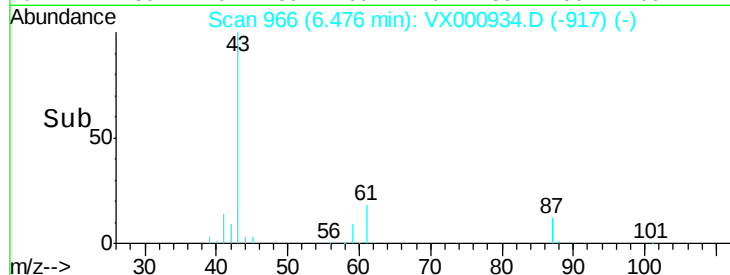
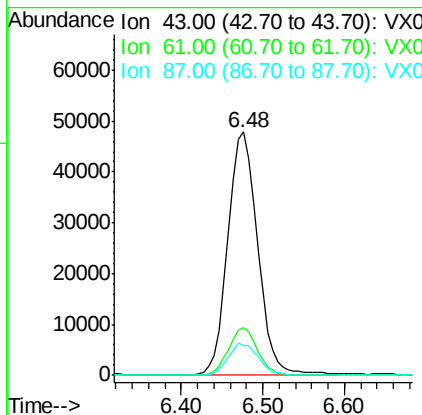
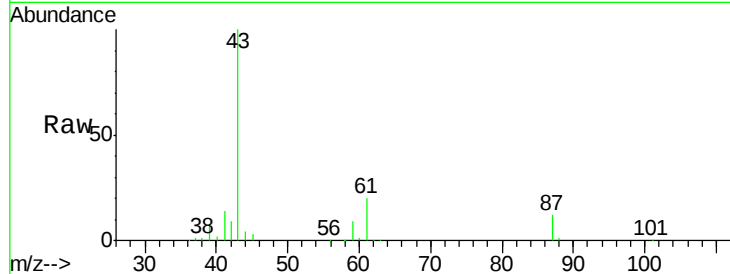
Isopropyl Acetate
 Concen: 20.94 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.6	23.4
87	13.4	10.7	16.1

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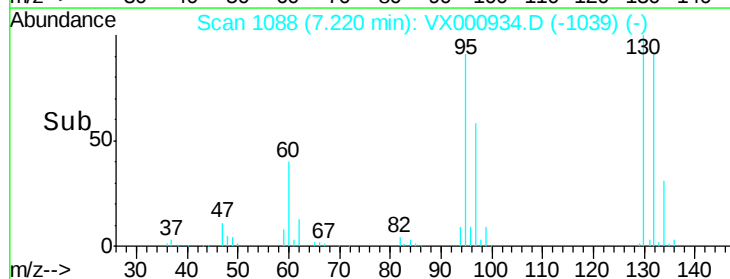
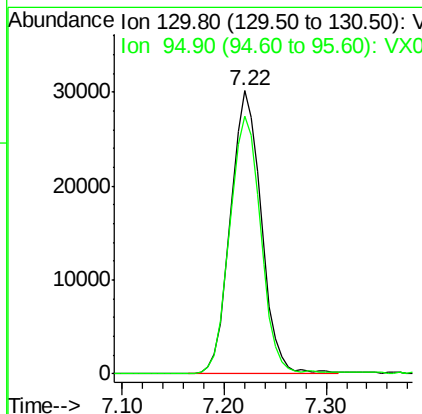
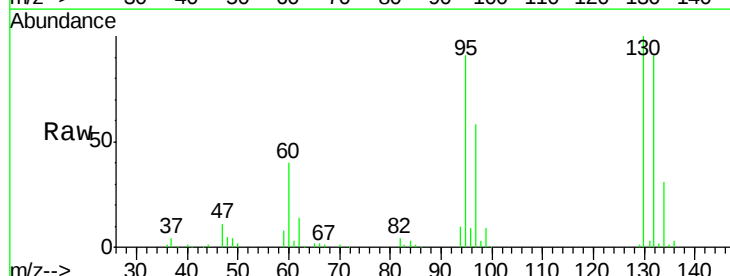
MMDadoda
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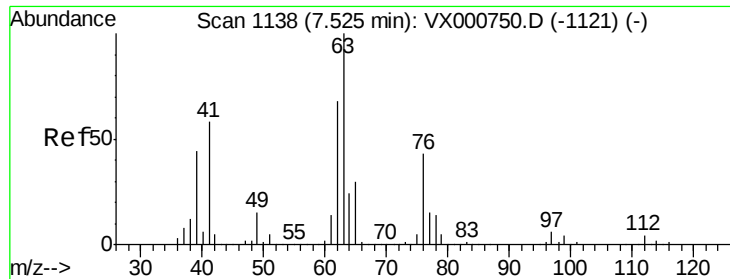


#44

Trichloroethene
 Concen: 21.15 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	187.0





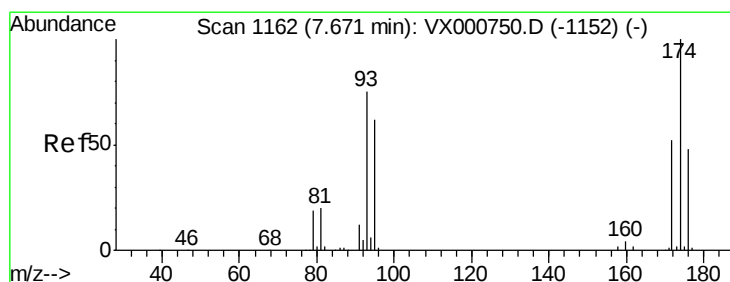
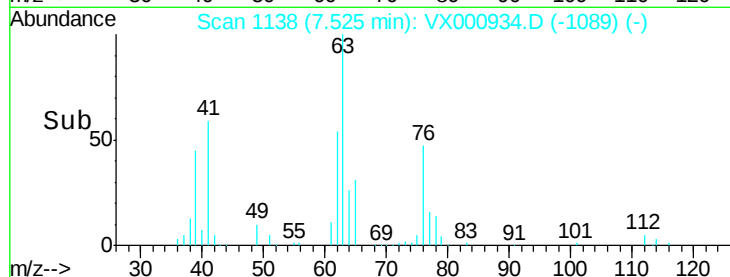
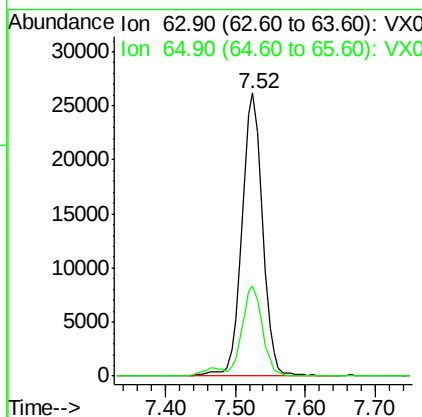
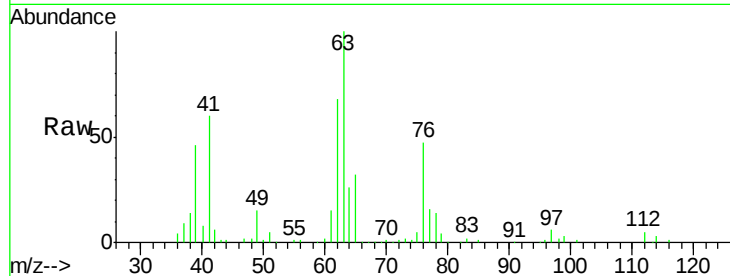
#45
 1,2-Dichloropropane
 Concen: 22.09 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBSD01

Tot Ion	63	Resp	53959
Ion Ratio	Lower	Upper	
63	100		
65	31.8	23.7	35.5

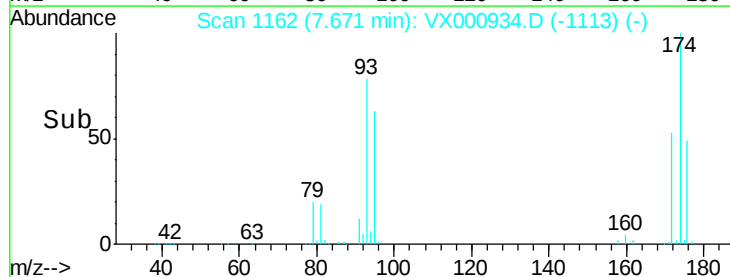
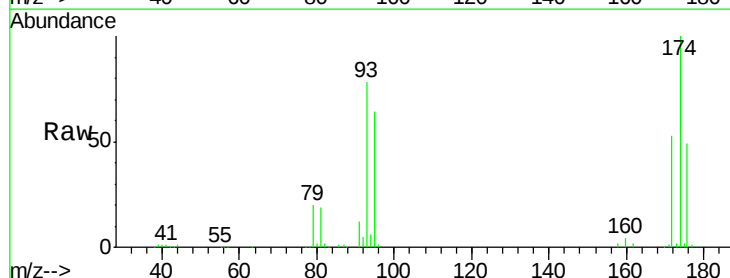
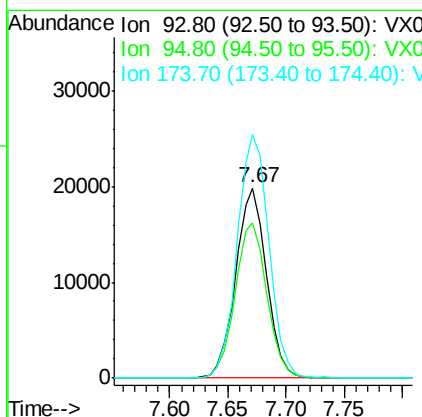
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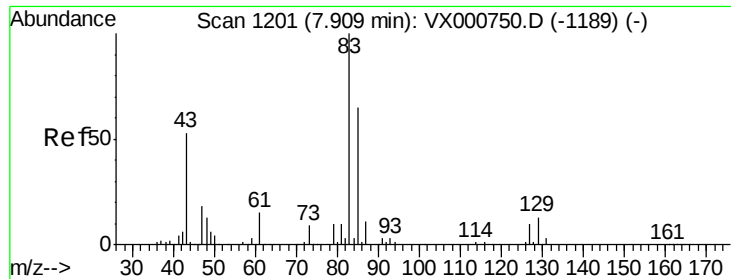
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#46
 Dibromomethane
 Concen: 21.51 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion	93	Resp	36639
Ion Ratio	Lower	Upper	
93	100		
95	84.2	66.6	100.0
174	131.8	104.5	156.7





#47

Bromodichloromethane

Concen: 20.11 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

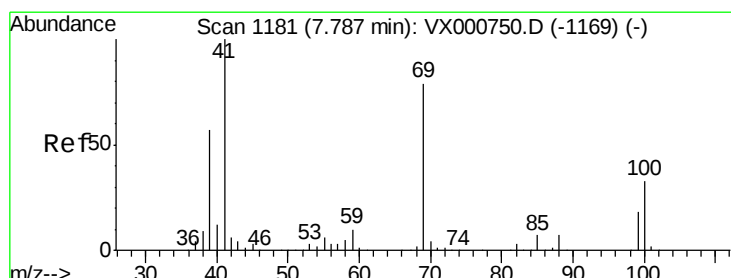
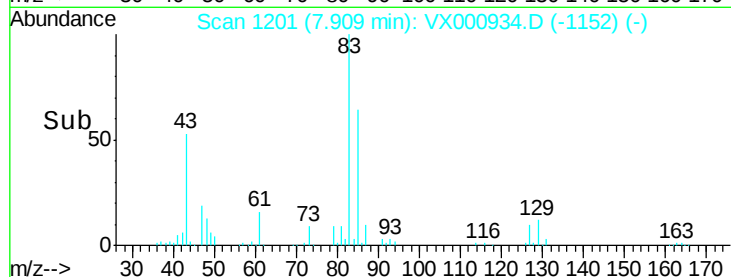
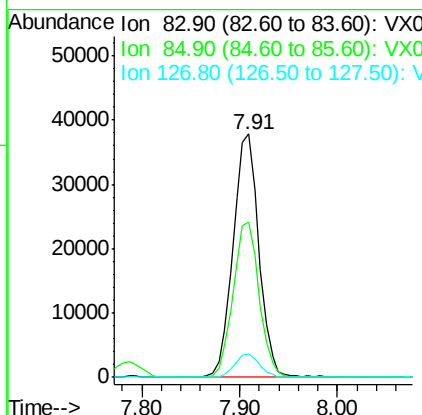
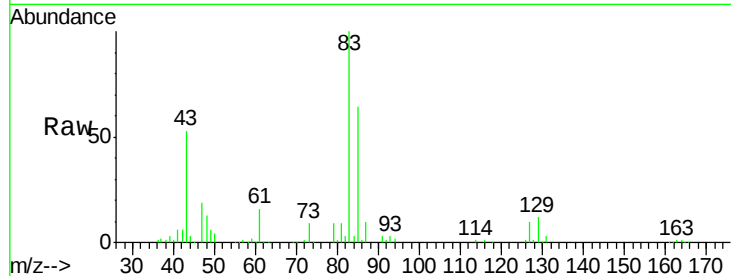
ClientSampleId :

VX0416MBS01

Tot Ion:	83	Resp:	69131
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.4
127	9.6	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.31 ug/l

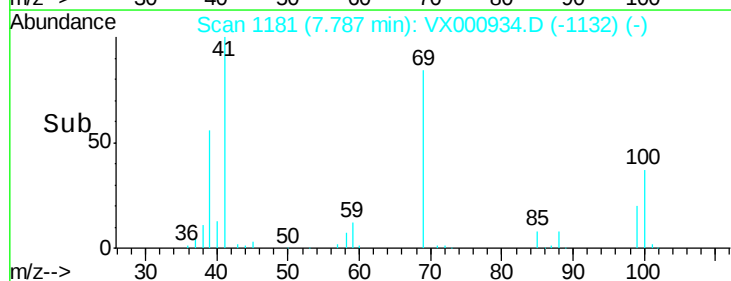
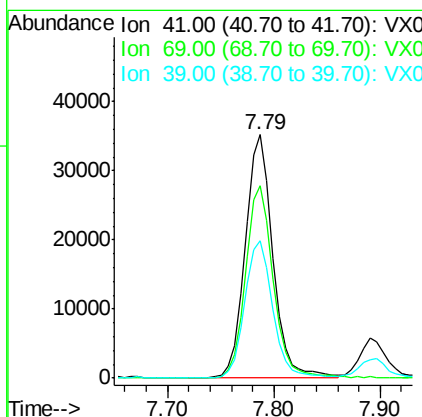
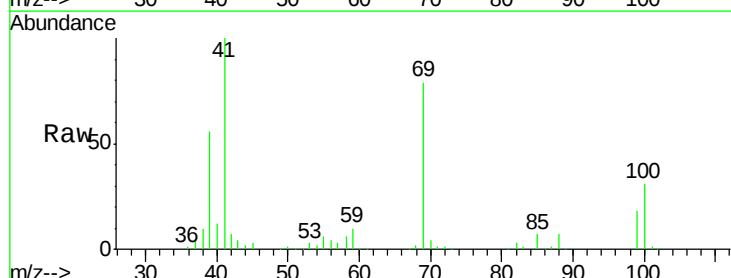
RT: 7.79 min Scan# 1181

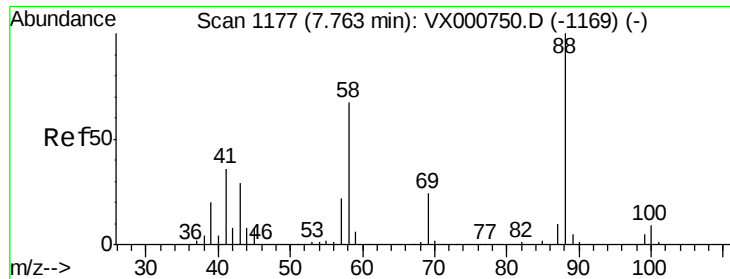
Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tgt Ion:	41	Resp:	63833
Ion	Ratio	Lower	Upper
41	100		
69	80.1	63.9	95.9
39	57.2	45.9	68.9





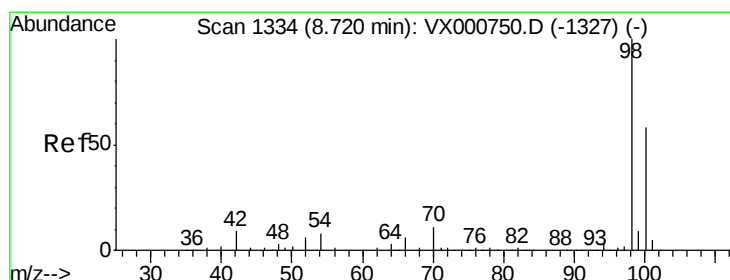
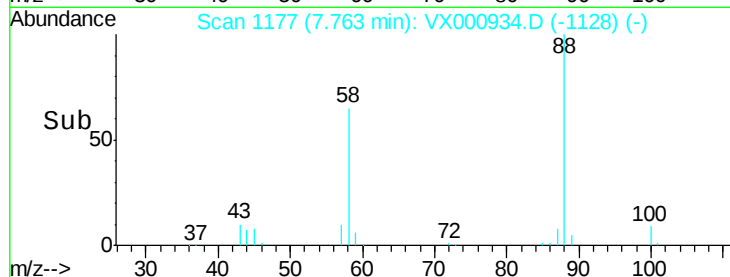
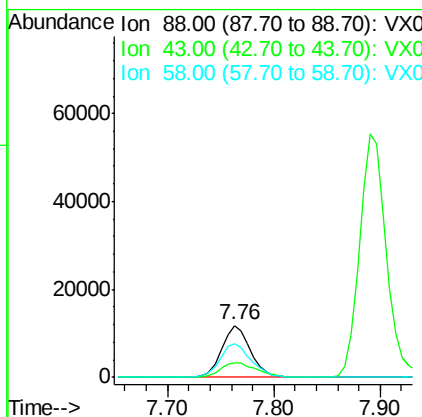
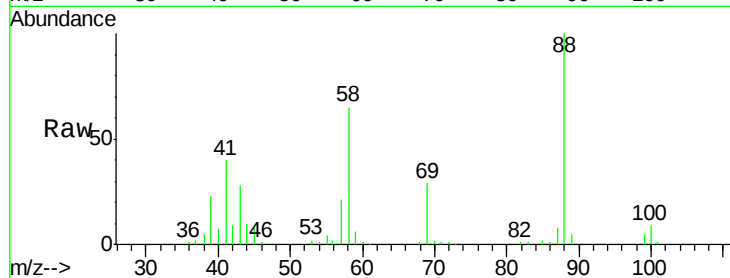
#49
1,4-Dioxane
Concen: 365.61 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	25.8	38.8
58	71.2	54.4	81.6

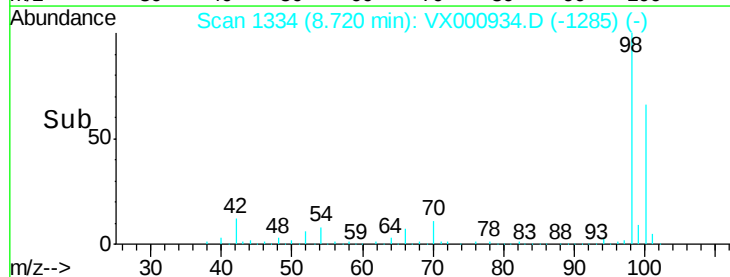
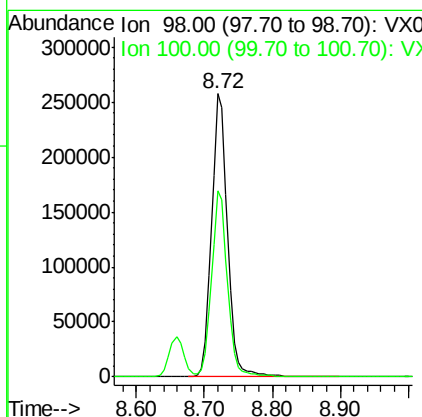
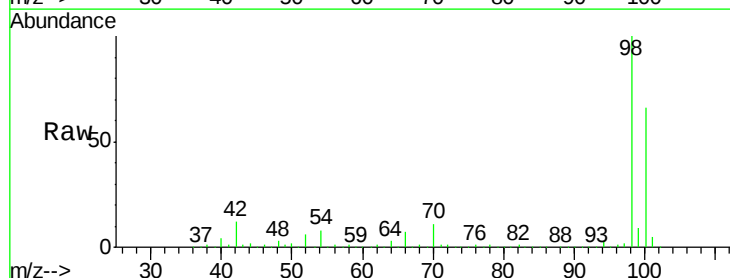
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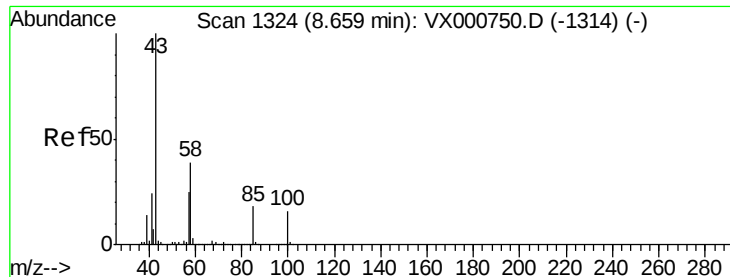
MMDadoda
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#50
Toluene-d8
Concen: 46.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 110.34 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion: 43 Resp: 374511

Ion Ratio Lower Upper

43 100

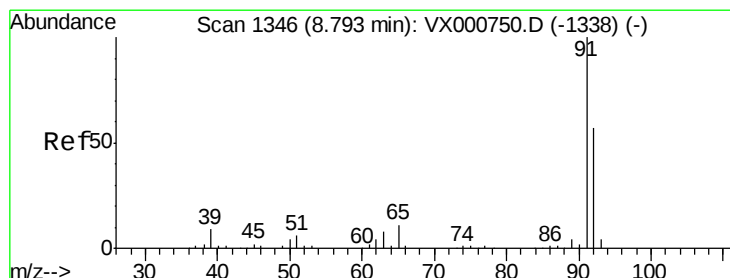
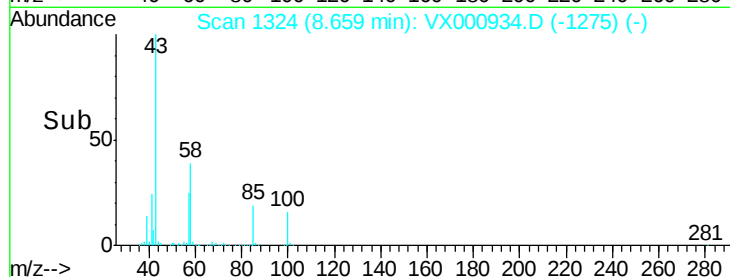
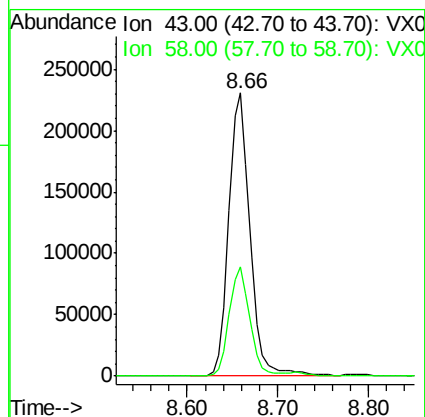
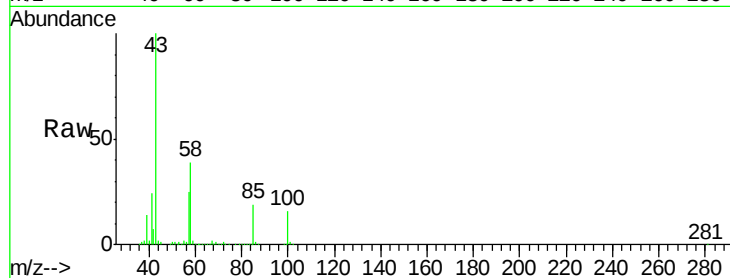
58 37.4 30.3 45.5

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#52

Toluene

Concen: 21.23 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000934.D

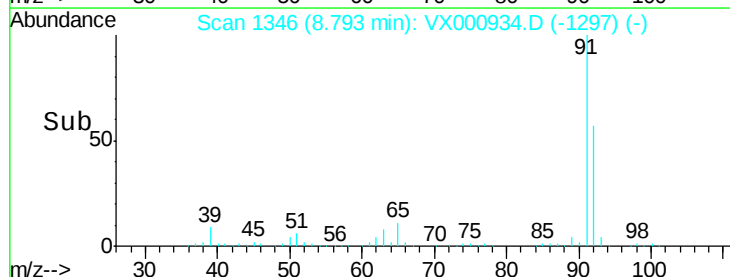
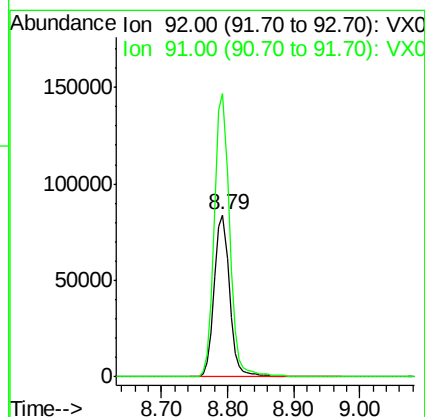
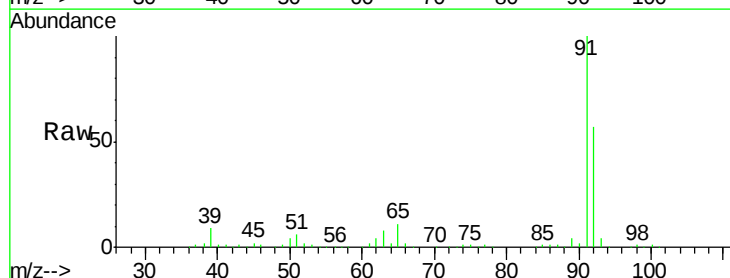
Acq: 16 Apr 2018 21:47

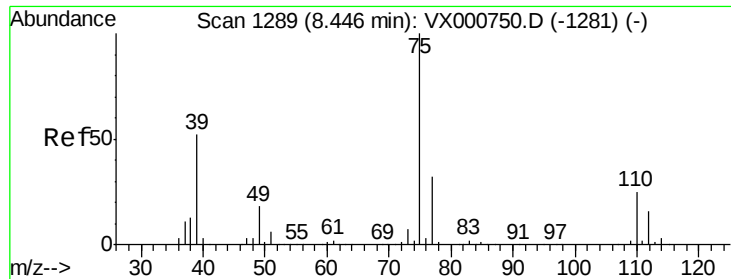
Tgt Ion: 92 Resp: 135146

Ion Ratio Lower Upper

92 100

91 174.5 139.0 208.4





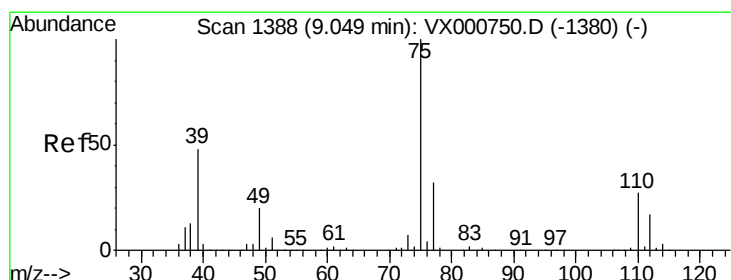
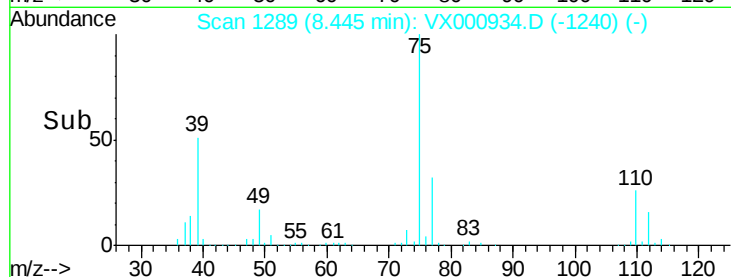
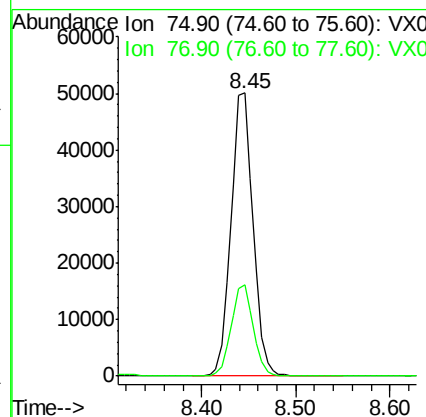
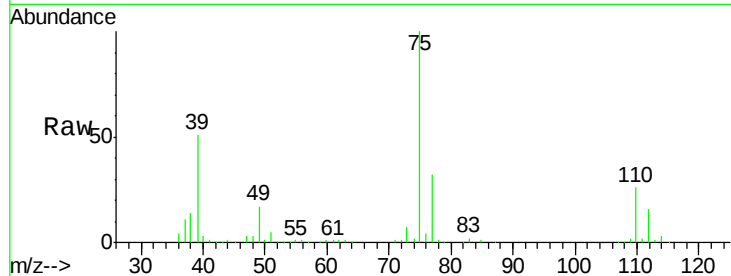
#53
 t-1,3-Dichloropropene
 Concen: 19.74 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBSD01

Tot Ion: 75 Resp: 81374
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2

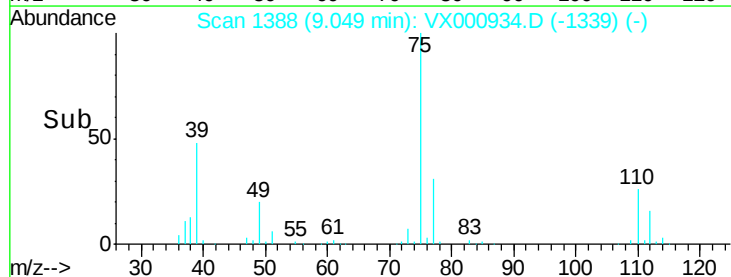
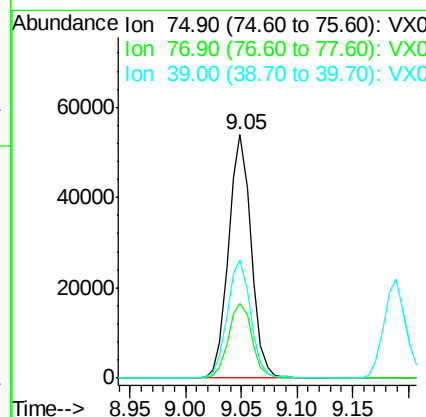
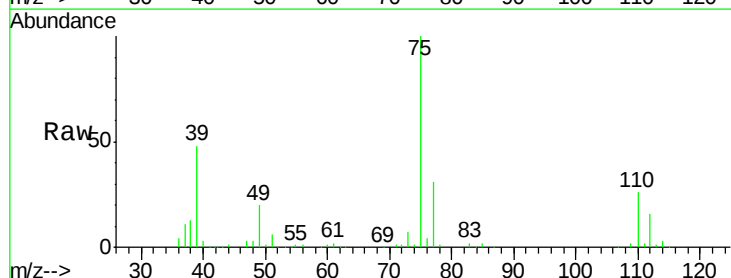
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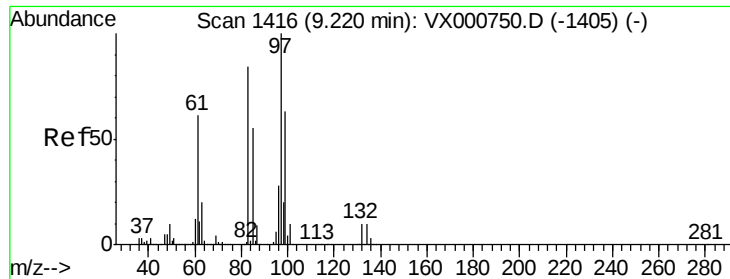
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#54
 cis-1,3-Dichloropropene
 Concen: 18.87 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion: 75 Resp: 75753
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2
 39 48.2 38.6 58.0





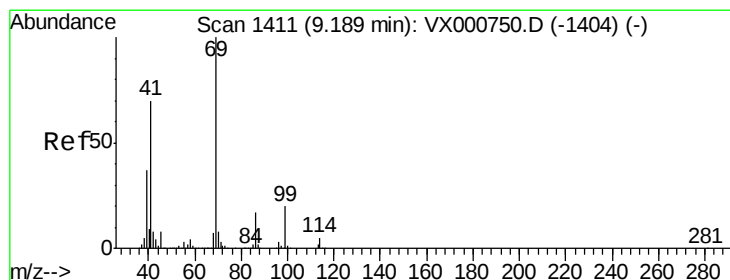
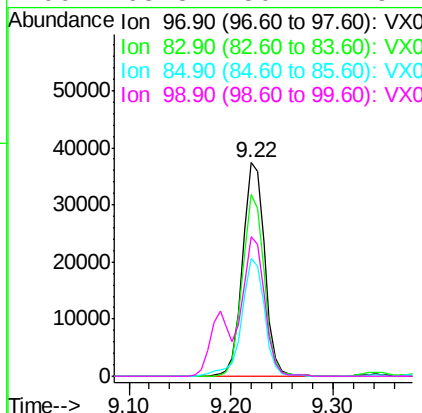
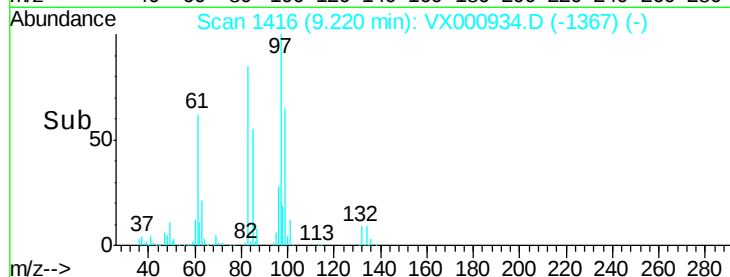
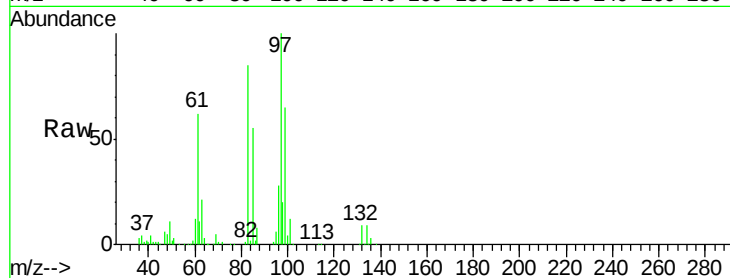
#55
 1,1,2-Trichloroethane
 Concen: 22.21 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBSD01

Tot Ion:	97	Resp:	56113
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.6	101.4
85	55.4	43.8	65.6
99	65.3	50.2	75.4

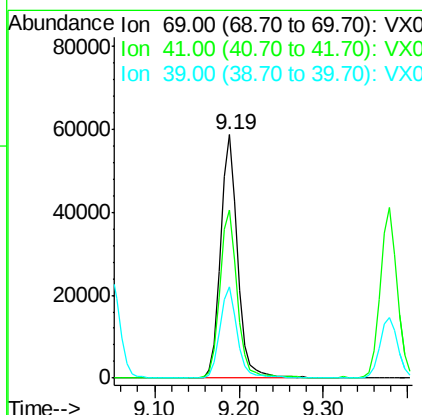
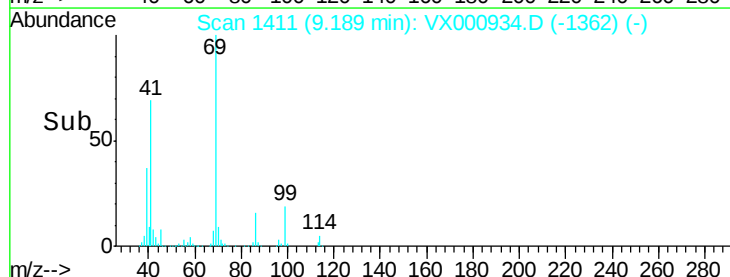
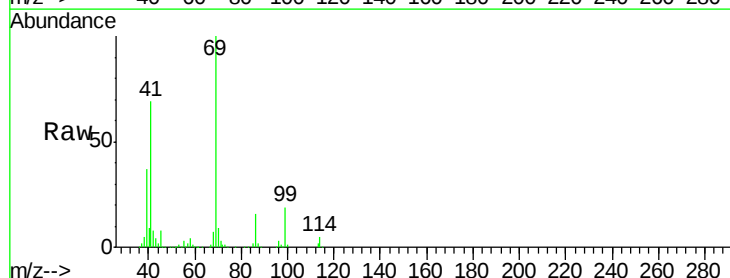
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#56
 Ethyl methacrylate
 Concen: 21.23 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion:	69	Resp:	82741
Ion	Ratio	Lower	Upper
69	100		
41	70.4	55.6	83.4
39	38.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 22.69 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion: 76 Resp: 91148

Ion Ratio Lower Upper

76 100

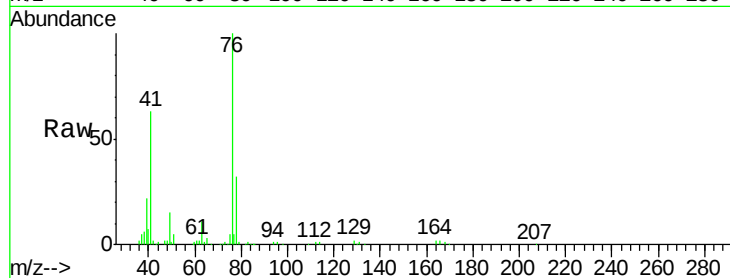
78 32.5 25.8 38.6

Manual Integrations

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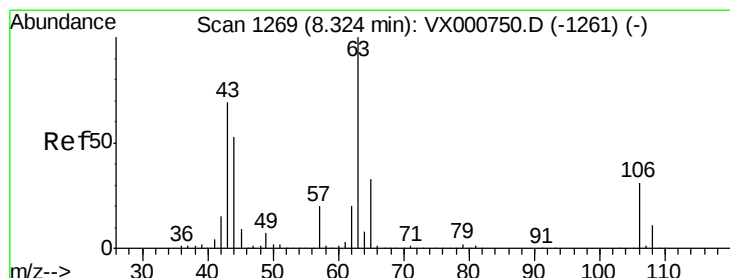
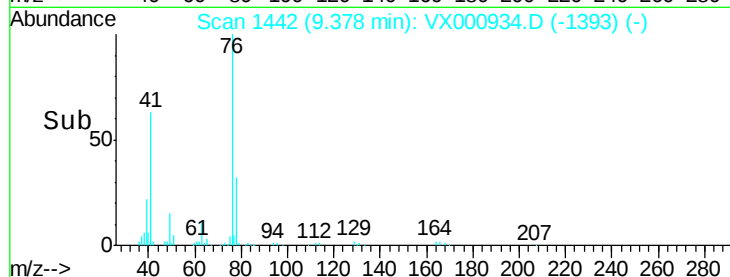
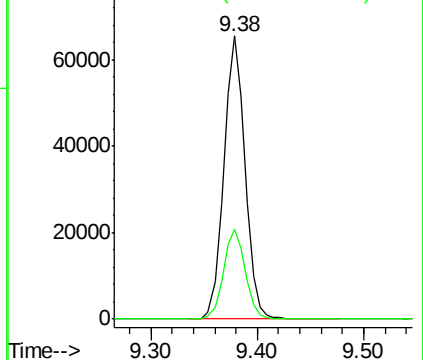
MMDadoda

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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: 108.22 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX000934.D

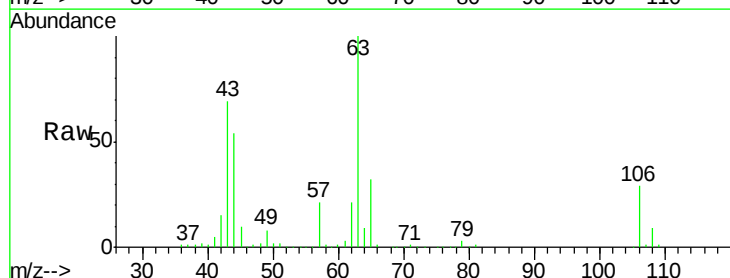
Acq: 16 Apr 2018 21:47

Tgt Ion: 63 Resp: 197076

Ion Ratio Lower Upper

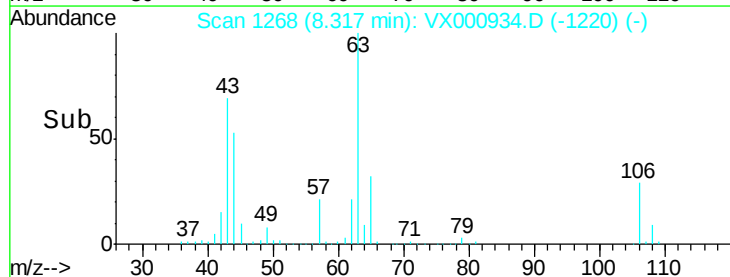
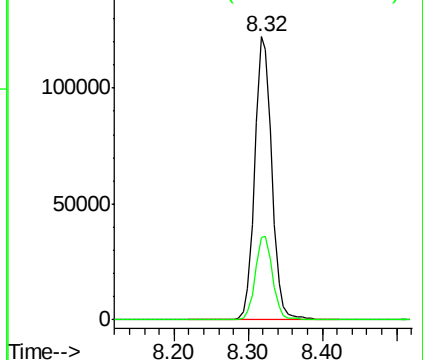
63 100

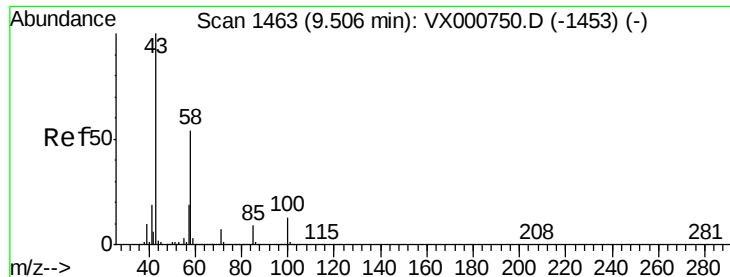
106 29.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





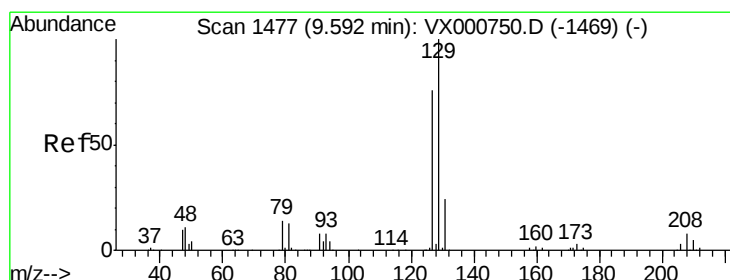
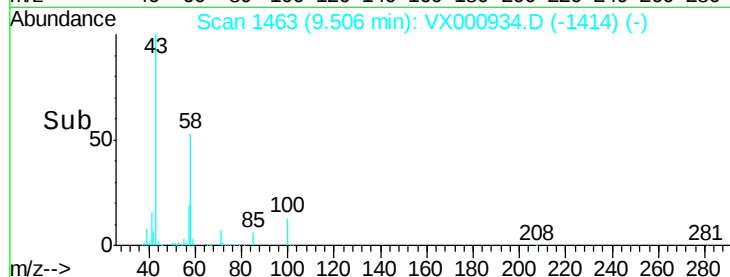
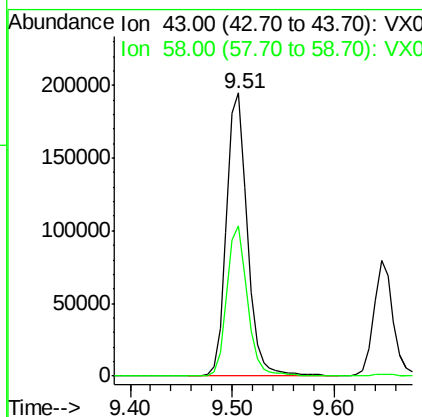
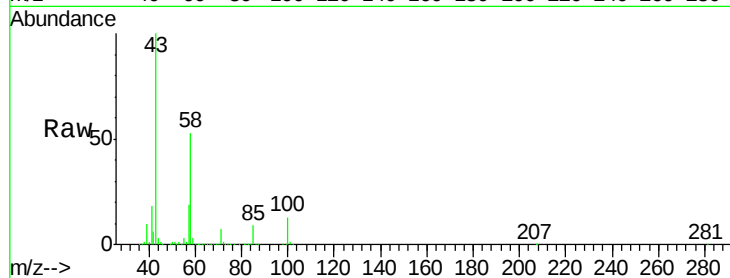
#59
2-Hexanone
Concen: 105.06 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.5	79.5

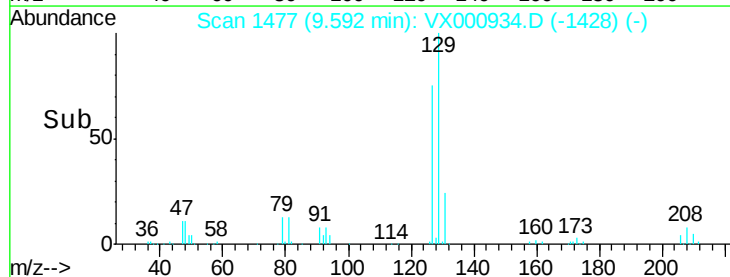
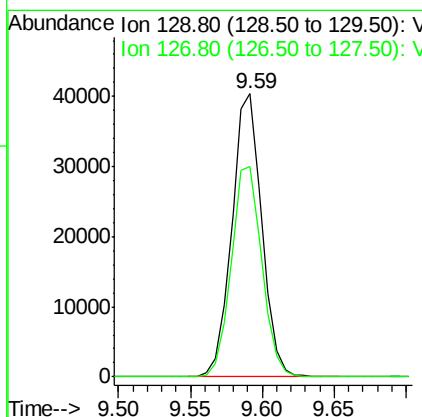
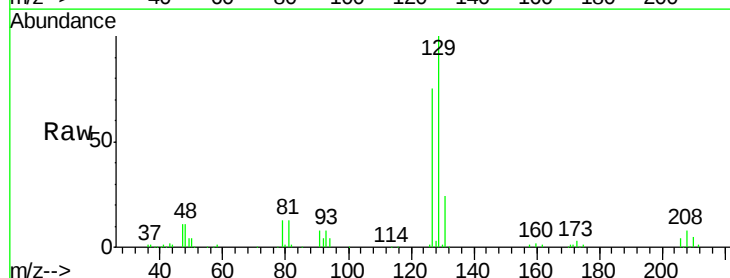
Manual Integrations
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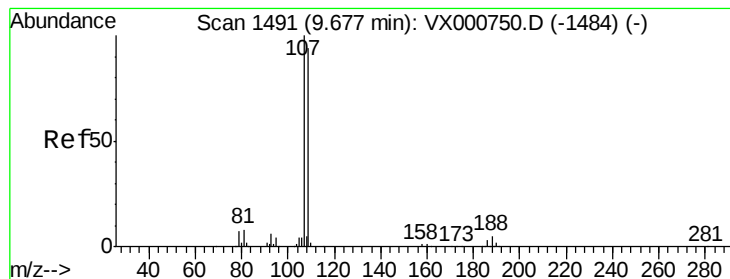
MMDadoda
4/18/2018 2:45:09 PM



#60
Dibromochloromethane
Concen: 19.36 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.4	115.1





#61

1,2-Dibromoethane

Concen: 21.79 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 107 Resp: 58399

Ion Ratio Lower Upper

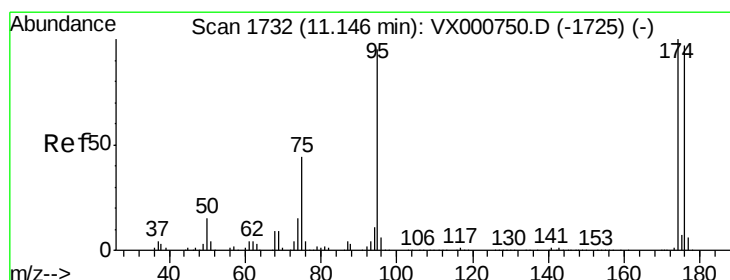
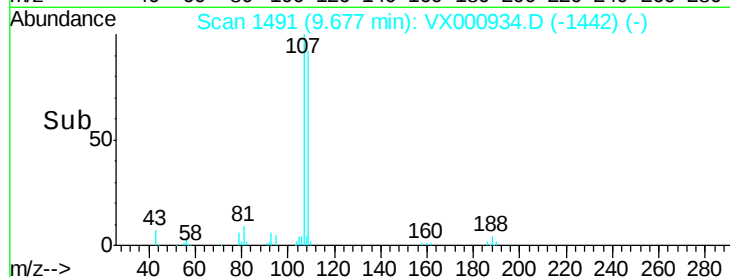
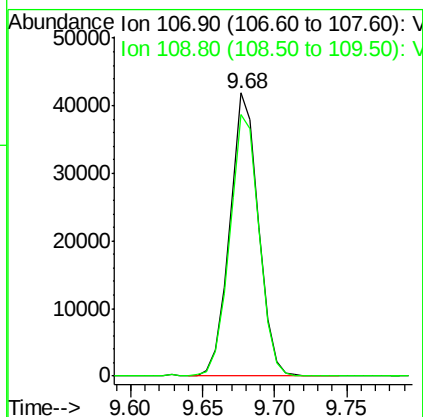
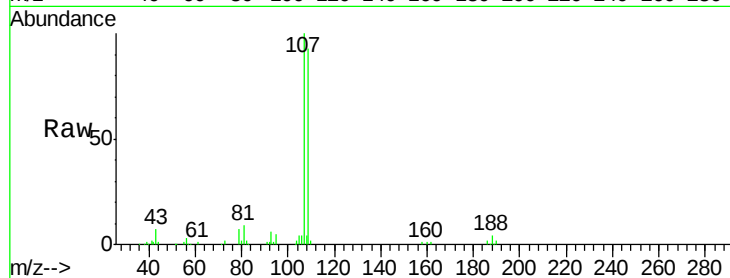
107 100

109 94.9 76.2 114.4

Manual Integrations
APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 46.60 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

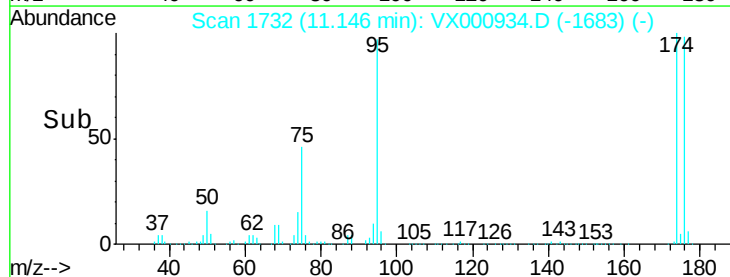
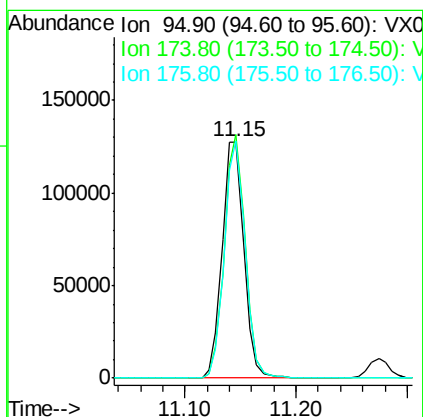
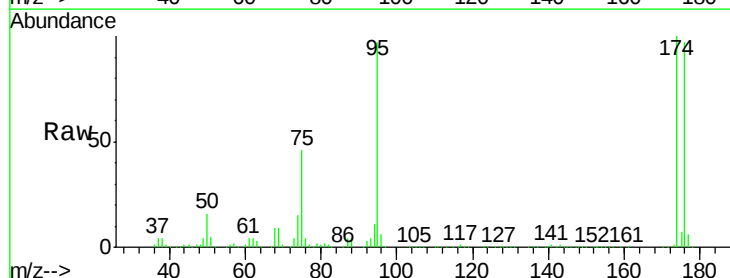
Tgt Ion: 95 Resp: 173387

Ion Ratio Lower Upper

95 100

174 98.1 0.0 198.4

176 96.0 0.0 194.4





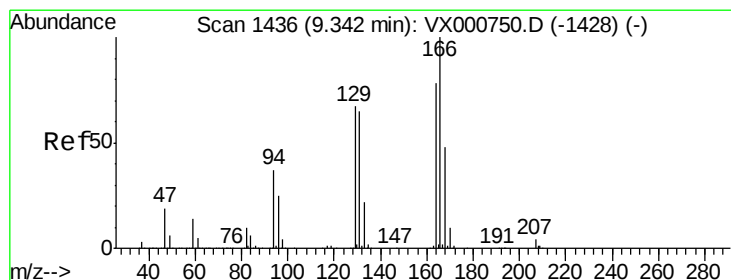
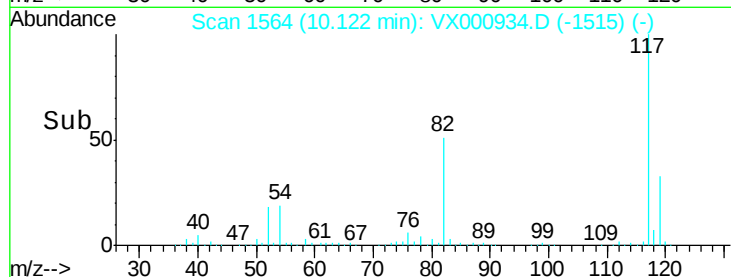
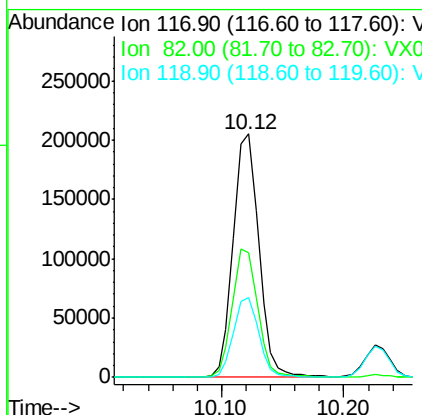
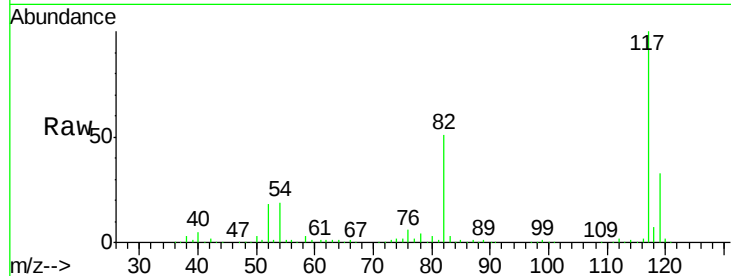
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.9	62.9
119	32.6	26.0	39.0

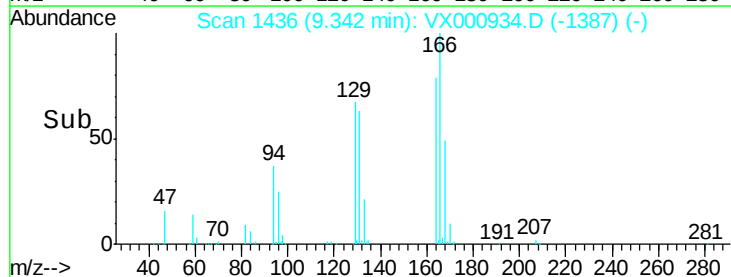
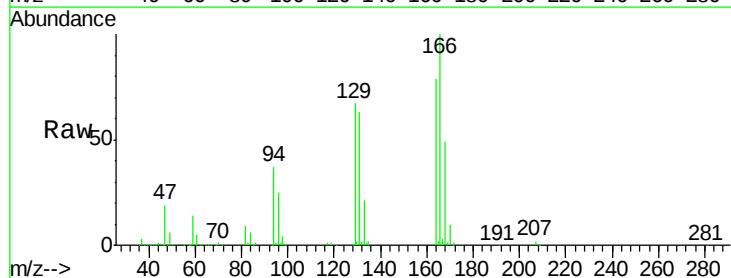
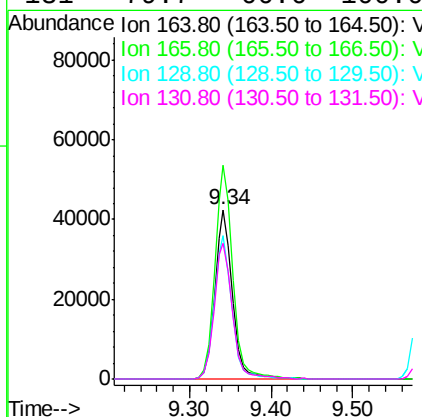
Manual Integrations
APPROVED

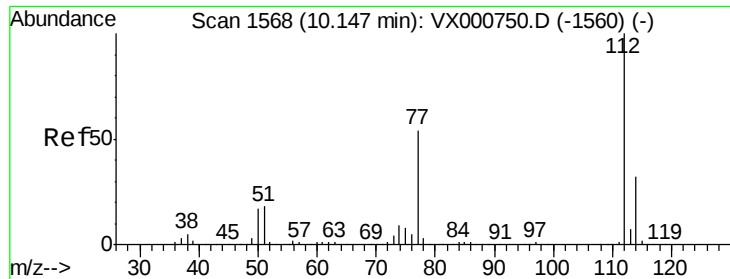
MMDadoda
4/18/2018 2:45:09 PM



#64
Tetrachloroethene
Concen: 22.16 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.8	154.2
129	84.8	68.5	102.7
131	79.7	66.6	100.0





#65

Chlorobenzene

Concen: 21.52 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion:112 Resp: 161115

Ion Ratio Lower Upper

112 100

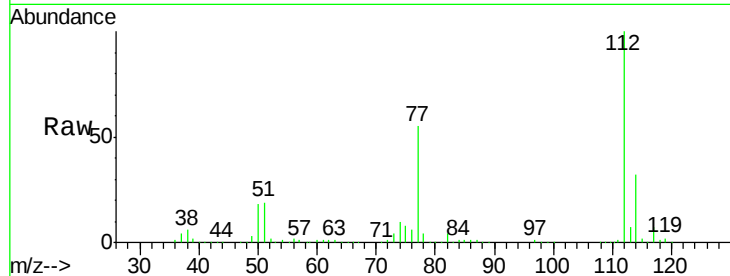
114 32.2 25.8 38.8

Manual Integrations

APPROVED

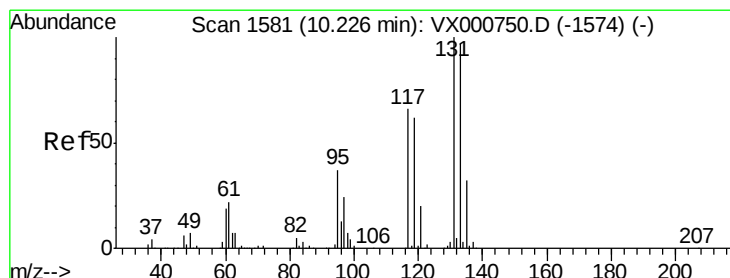
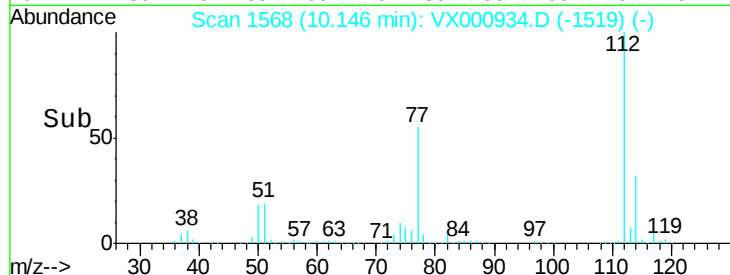
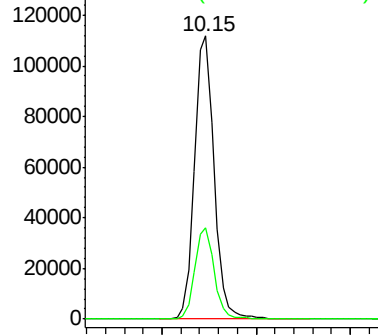
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.52 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

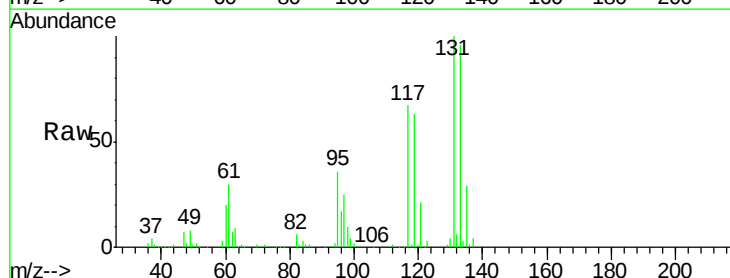
Tgt Ion:131 Resp: 57812

Ion Ratio Lower Upper

131 100

133 95.2 48.3 144.9

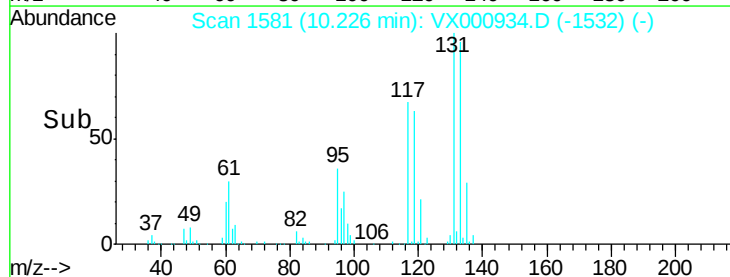
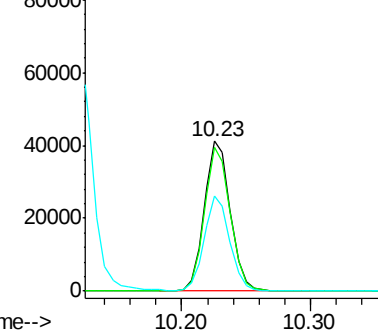
119 63.0 31.4 94.0

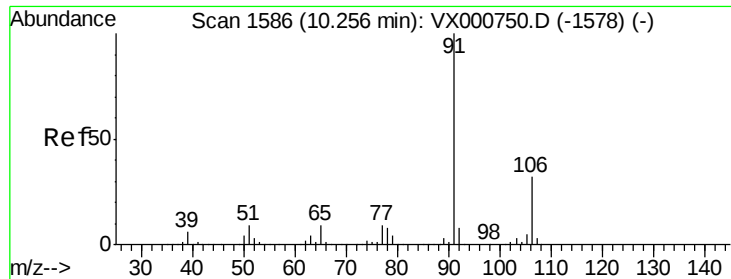


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





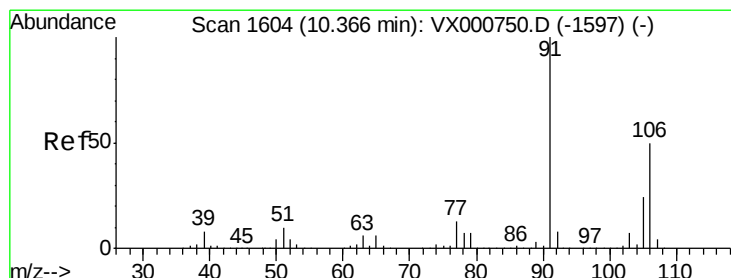
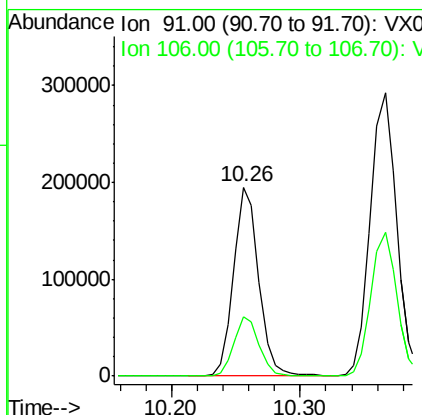
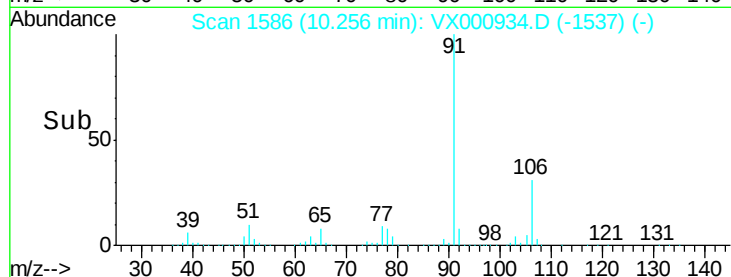
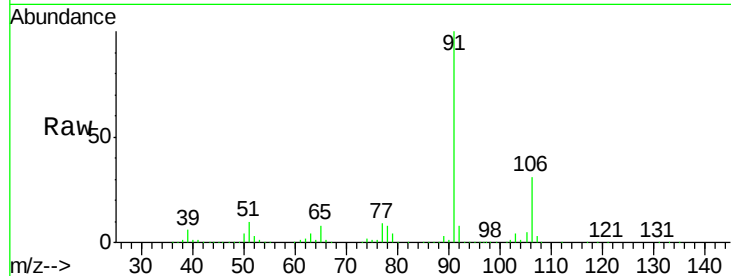
#67
Ethyl Benzene
Concen: 21.38 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion: 91 Resp: 266901
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

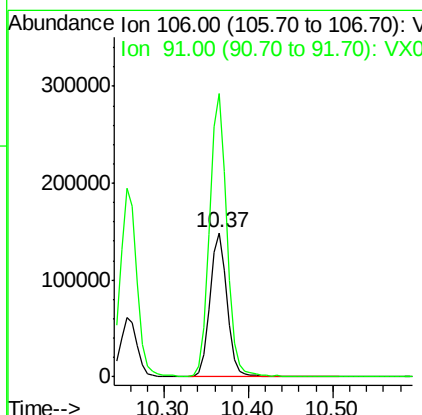
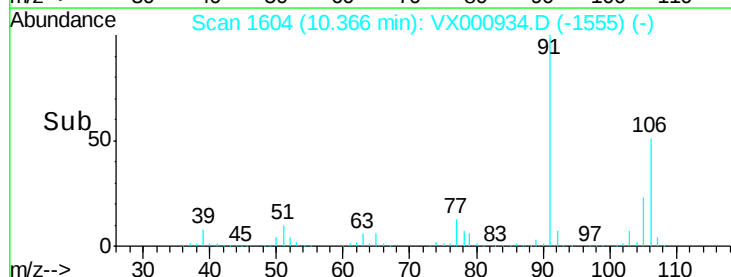
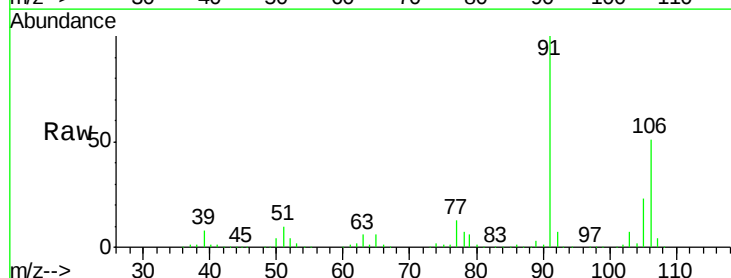
Manual Integrations
APPROVED

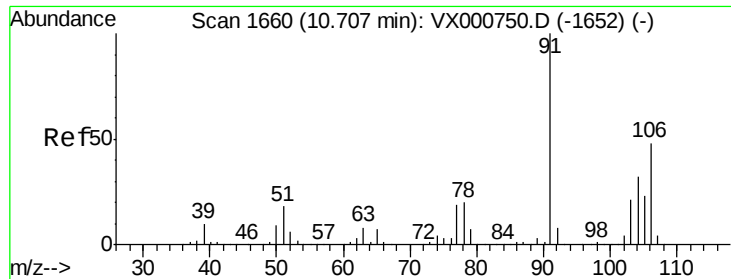
MMDadoda
4/18/2018 2:45:09 PM



#68
m/p-Xylenes
Concen: 42.68 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion: 106 Resp: 210293
Ion Ratio Lower Upper
106 100
91 198.5 159.3 238.9





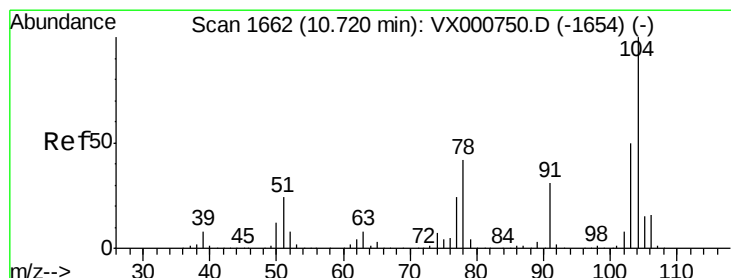
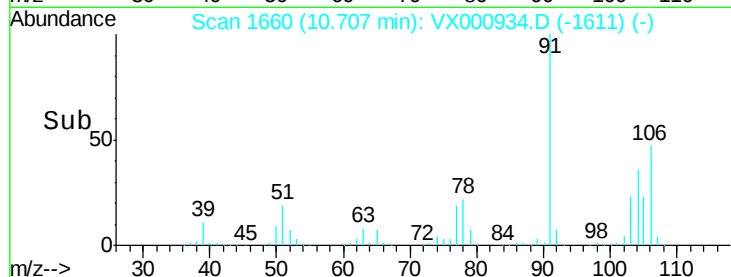
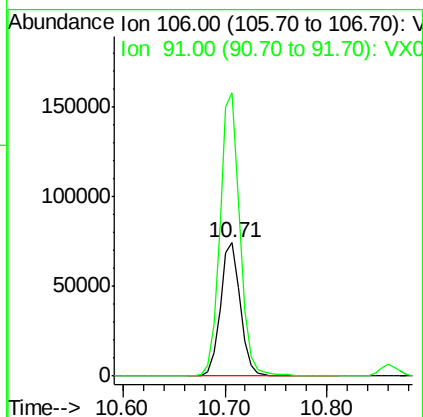
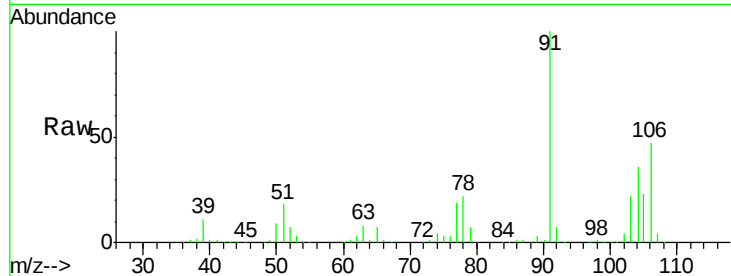
#69
o-Xylene
Concen: 21.38 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampled :
VX0416MBSD01

Tot Ion:106 Resp: 101524
Ion Ratio Lower Upper
106 100
91 211.6 105.0 315.0

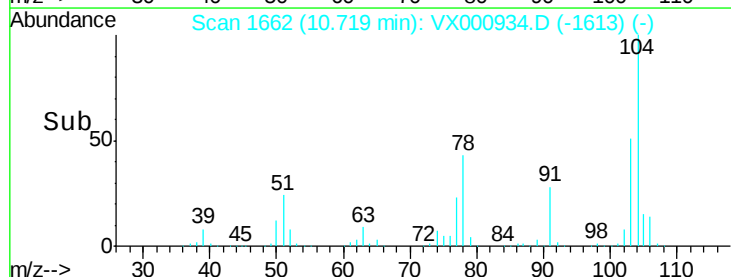
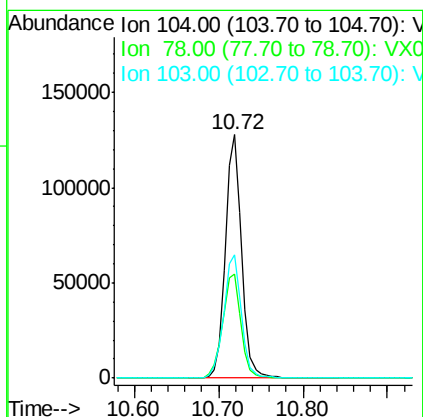
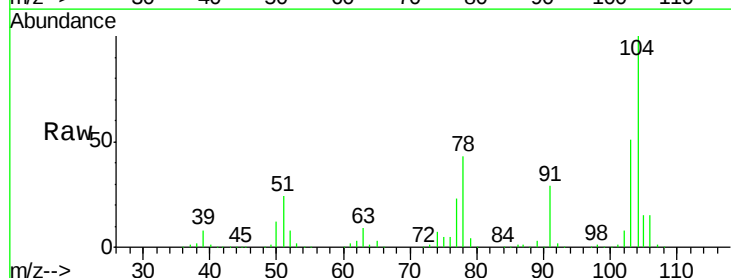
Manual Integrations
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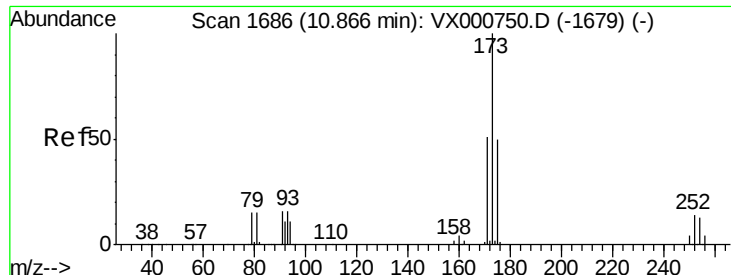
MMDadoda
4/18/2018 2:45:09 PM



#70
Styrene
Concen: 21.25 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion:104 Resp: 170120
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.6
103 55.5 44.1 66.1





#71

Bromoform

Concen: 17.59 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion:173 Resp: 45894

Ion Ratio Lower Upper

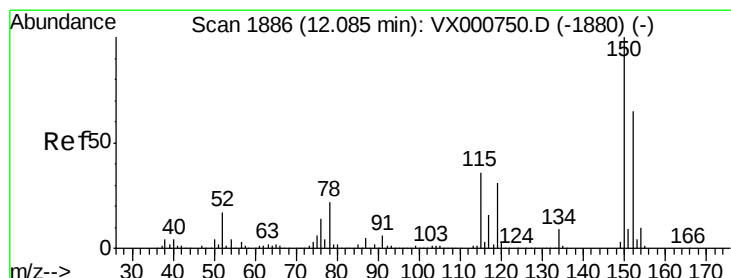
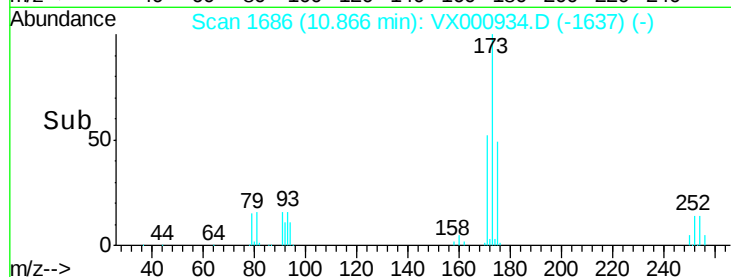
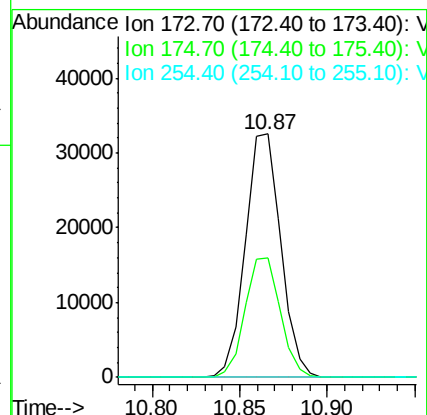
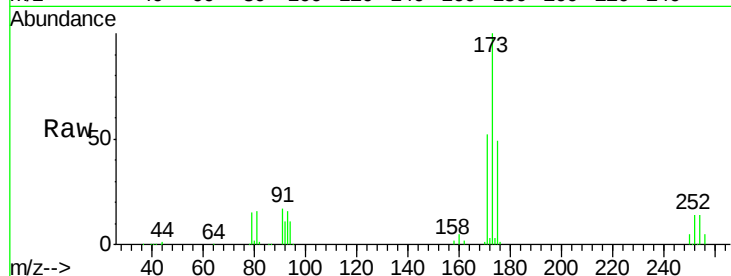
173 100

175 49.2 24.5 73.5

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

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4/18/2018 2:45:09 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: VX000934.D

Acq: 16 Apr 2018 21:47

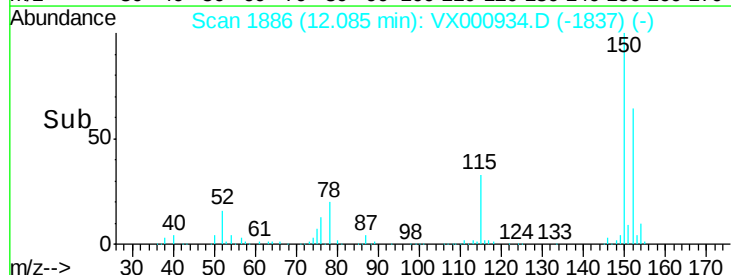
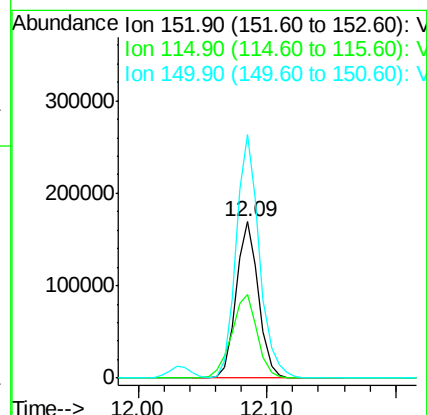
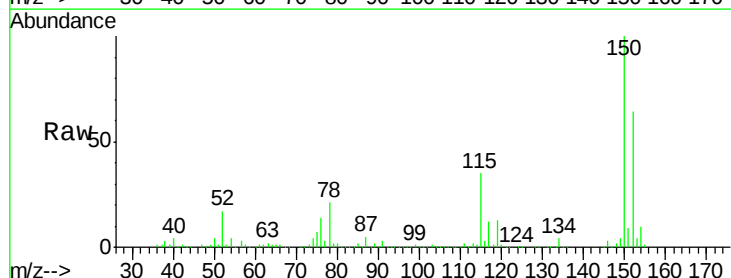
Tgt Ion:152 Resp: 203802

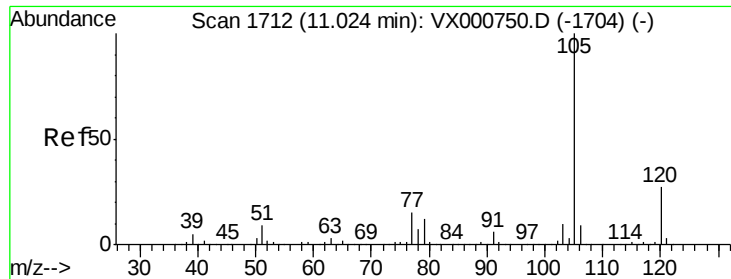
Ion Ratio Lower Upper

152 100

115 62.0 37.9 113.7

150 163.2 0.0 348.0





#73

Isopropylbenzene

Concen: 21.35 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 105 Resp: 275996

Ion Ratio Lower Upper

105 100

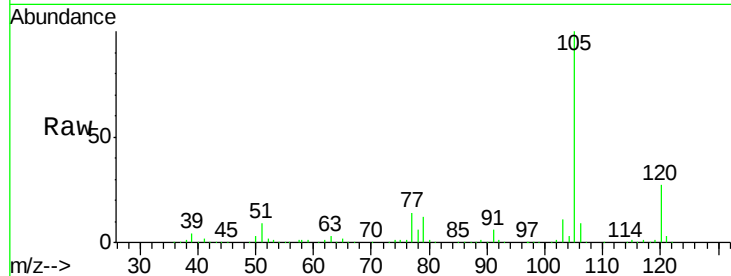
120 27.4 13.7 41.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

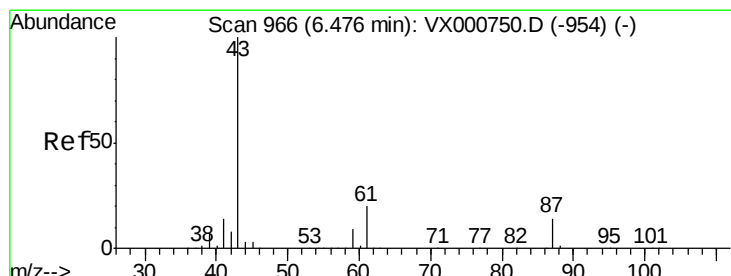
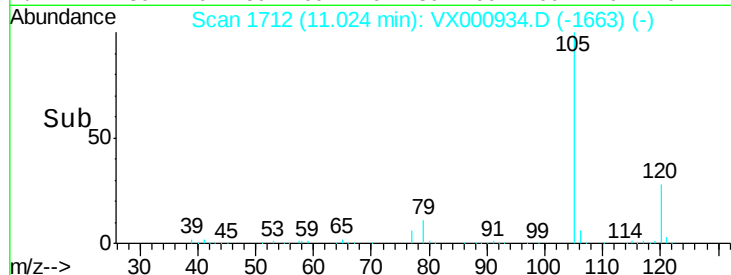
50000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.78 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tgt Ion: 43 Resp: 121000

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.4 15.6 23.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

40000

20000

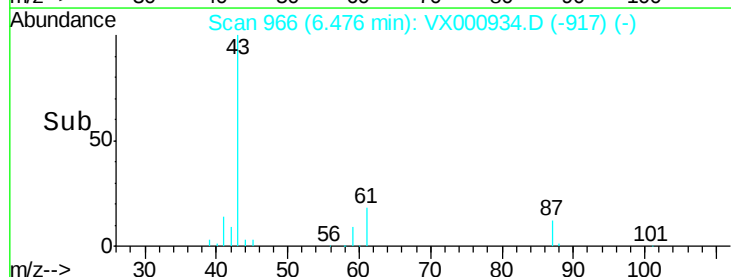
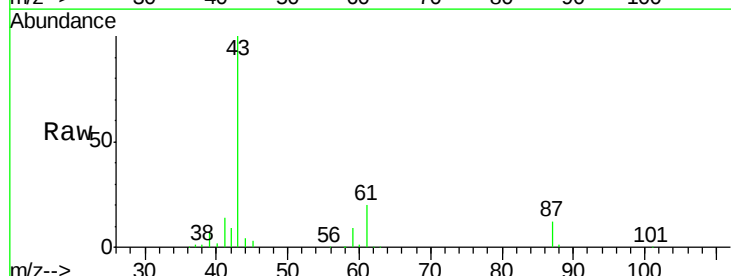
0

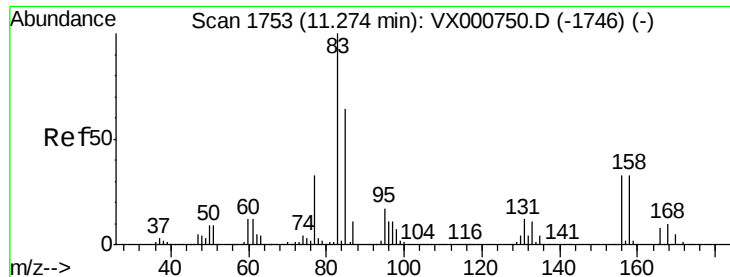
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.57 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion: 83 Resp: 80942

Ion Ratio Lower Upper

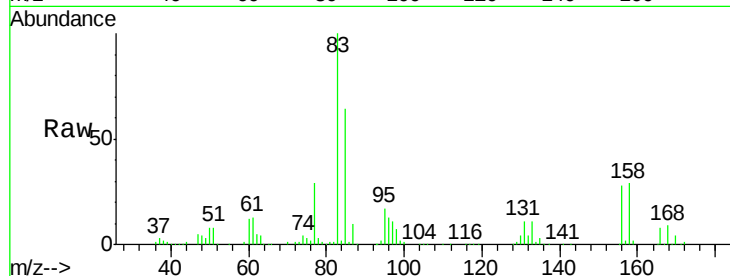
83 100

131 11.7 6.0 18.0

85 64.6 32.3 96.8

Manual Integrations
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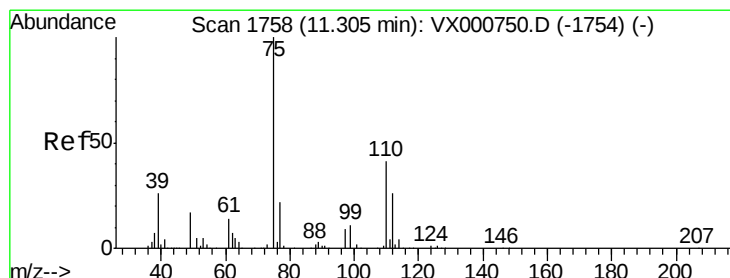
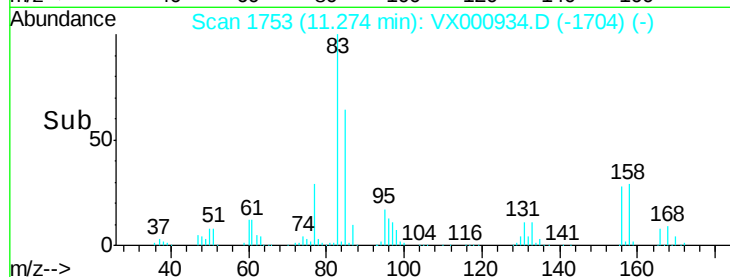
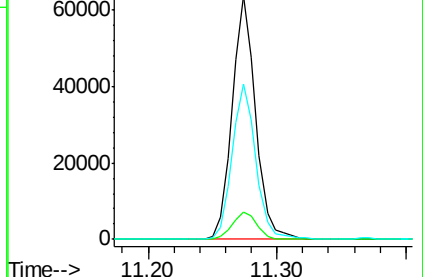
MMDadoda
4/18/2018 2:45:09 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.55 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000934.D

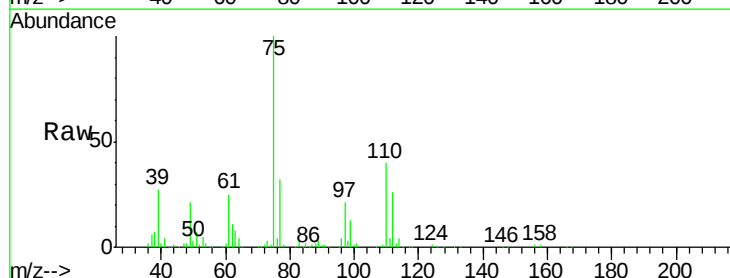
Acq: 16 Apr 2018 21:47

Tgt Ion: 75 Resp: 75757

Ion Ratio Lower Upper

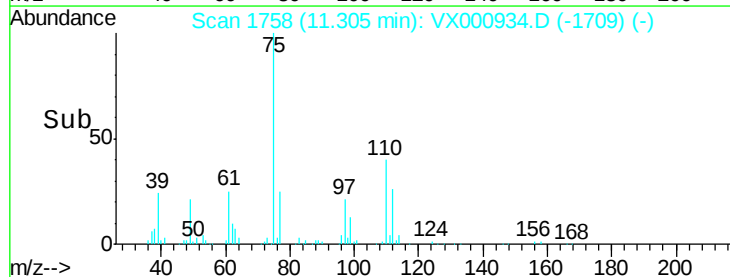
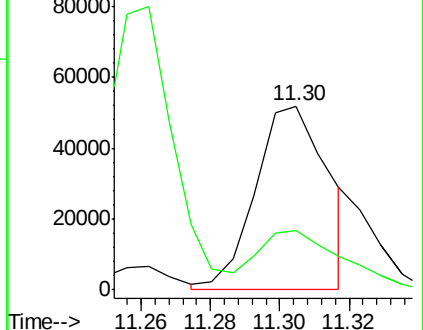
75 100

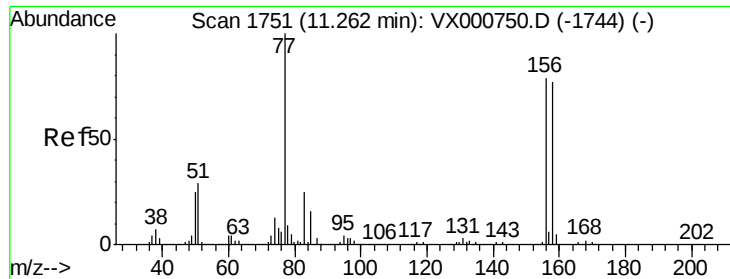
77 37.5 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.19 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

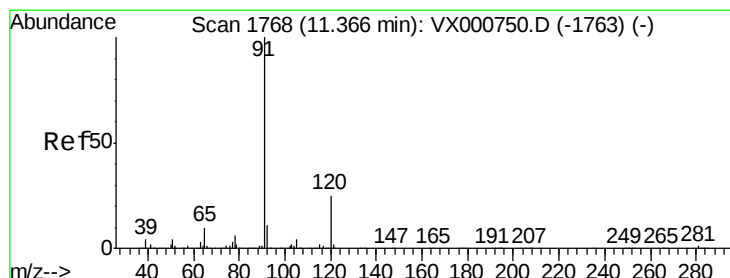
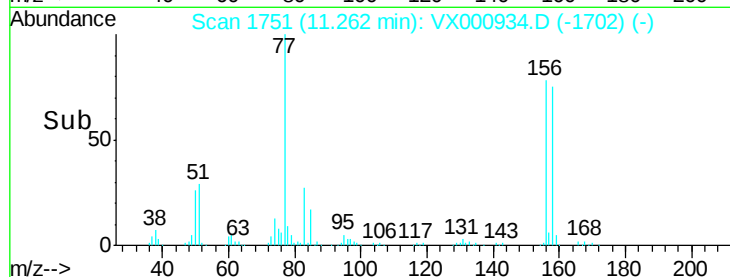
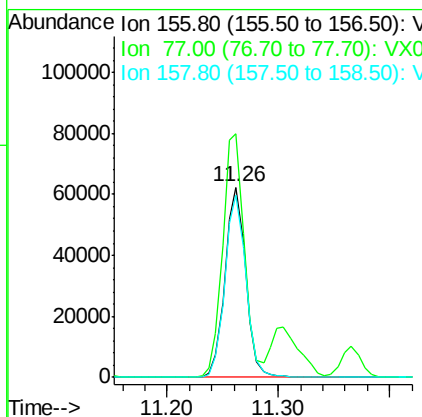
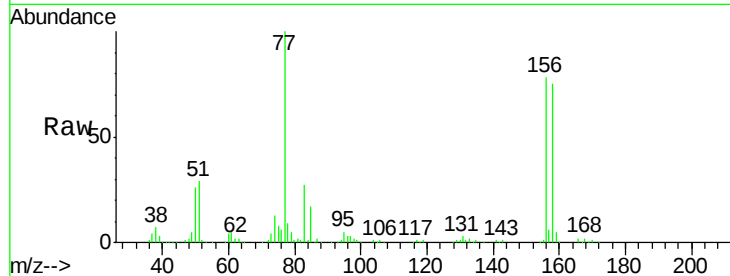
ClientSampleId :

VX0416MBS01

Tot Ion:	156	Resp:	80302
Ion Ratio	Lower	Upper	
156	100		
77	134.5	66.0	198.2
158	97.3	48.8	146.4

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#78

n-propylbenzene

Concen: 20.95 ug/l

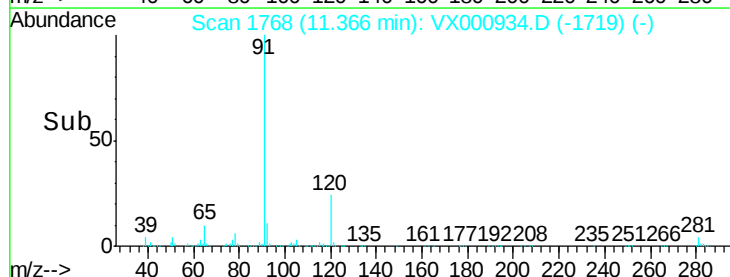
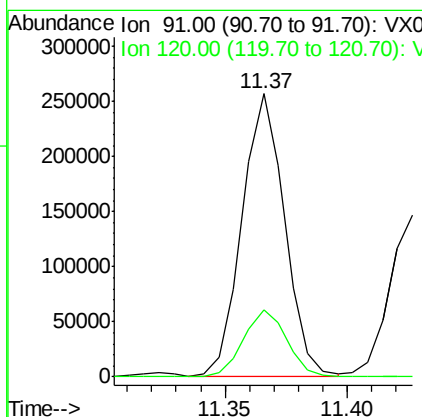
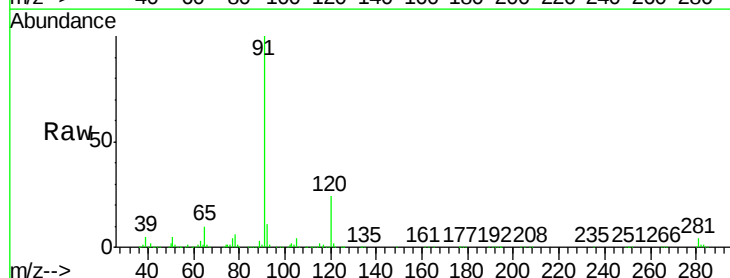
RT: 11.37 min Scan# 1768

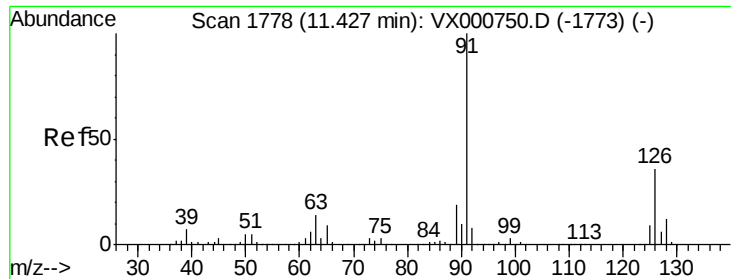
Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tgt Ion:	91	Resp:	309757
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.6	37.6





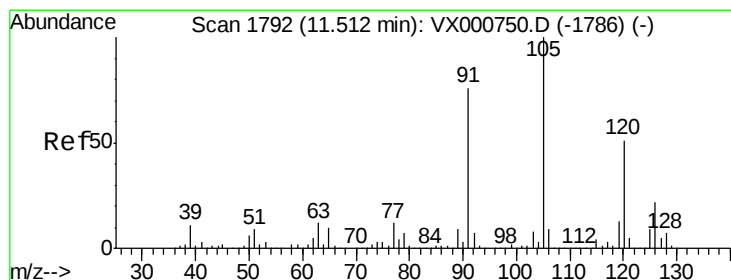
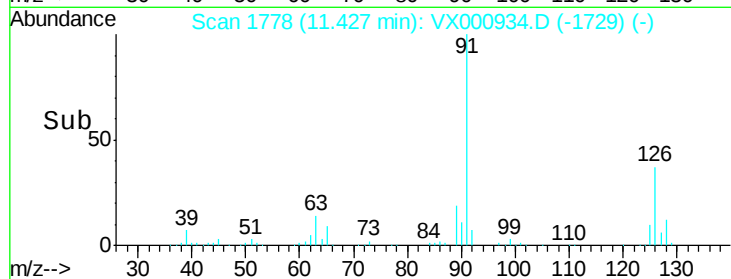
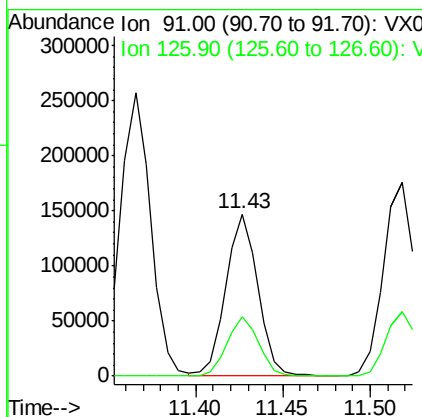
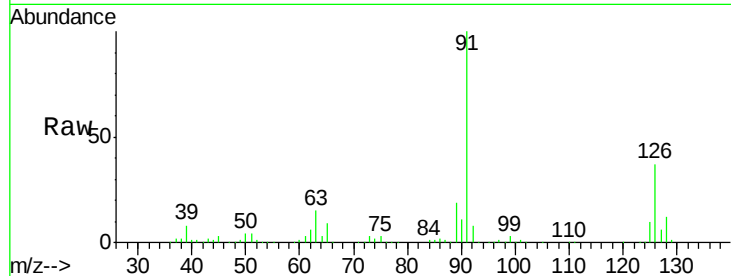
#79
 2-Chlorotoluene
 Concen: 21.24 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBSD01

Tot Ion: 91 Resp: 185607
 Ion Ratio Lower Upper
 91 100
 126 36.6 18.3 54.9

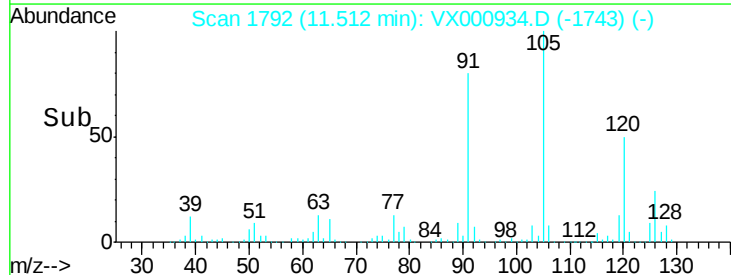
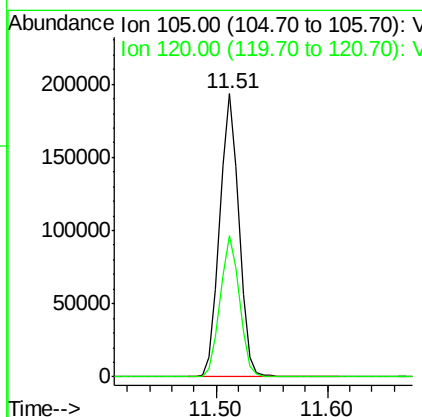
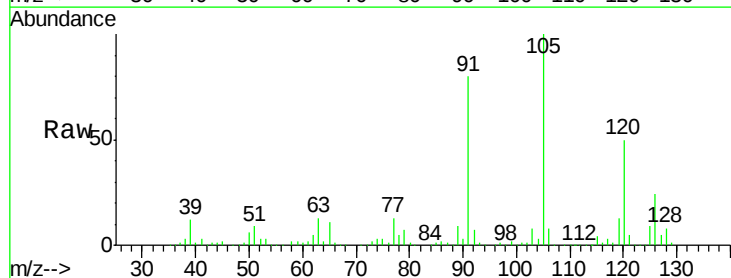
Manual Integrations
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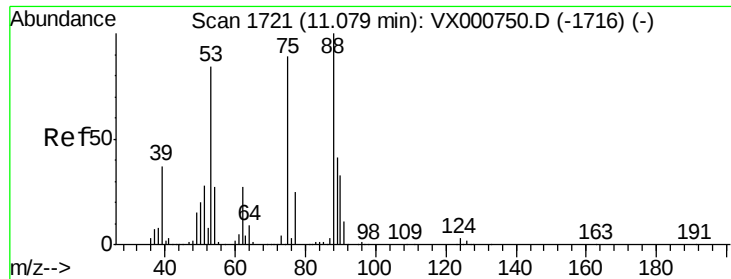
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.81 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion: 105 Resp: 231409
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.0 75.0





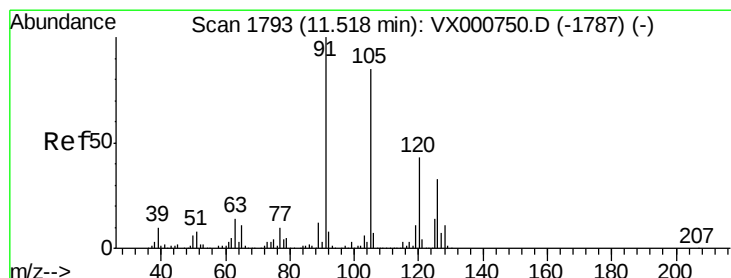
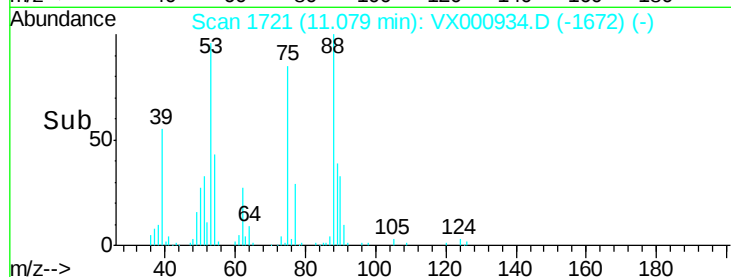
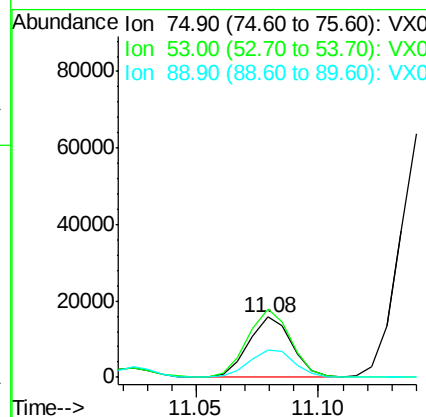
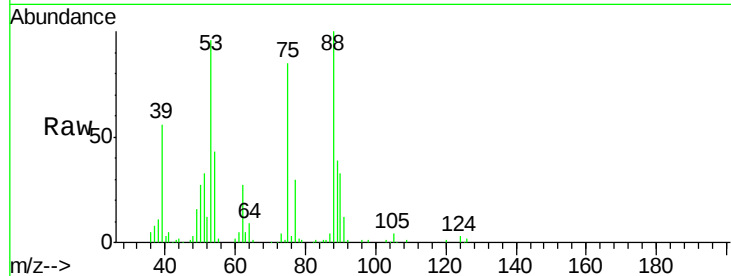
#81
trans-1,4-Dichloro-2-butene
Concen: 15.02 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.1	75.4	113.0#
89	47.8	40.9	61.3

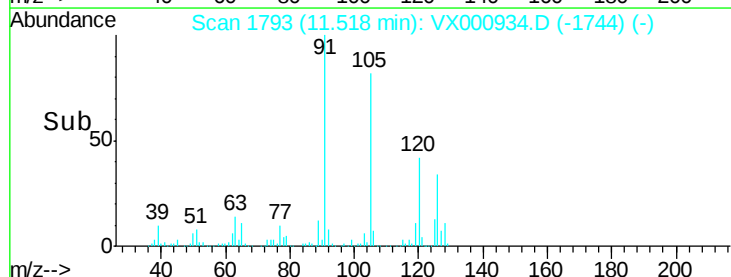
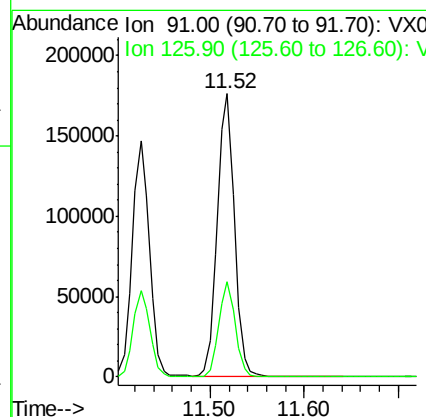
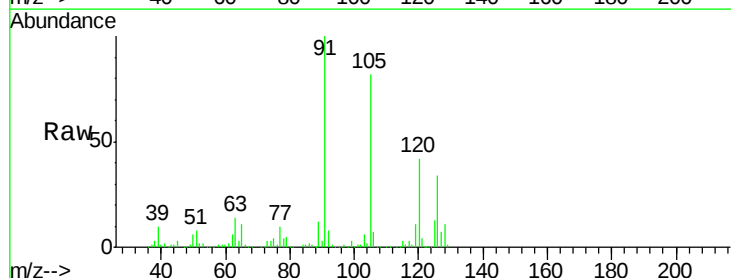
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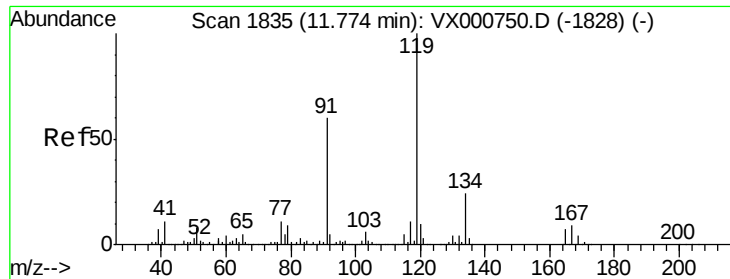
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.18 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.6





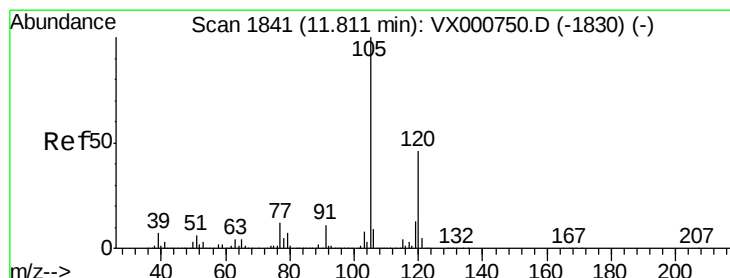
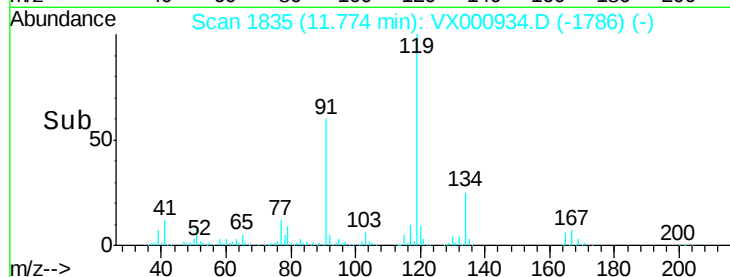
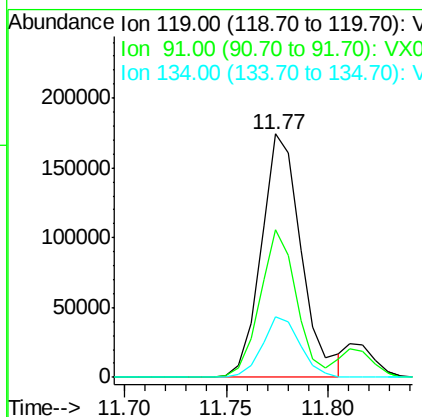
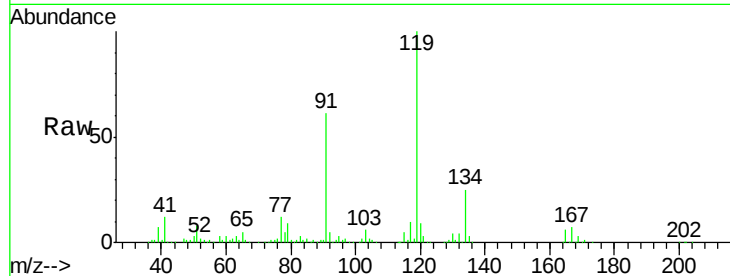
#83
 tert-Butylbenzene
 Concen: 20.90 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	237723		
91	55.2	26.8	80.3	
134	23.8	11.5	34.4	

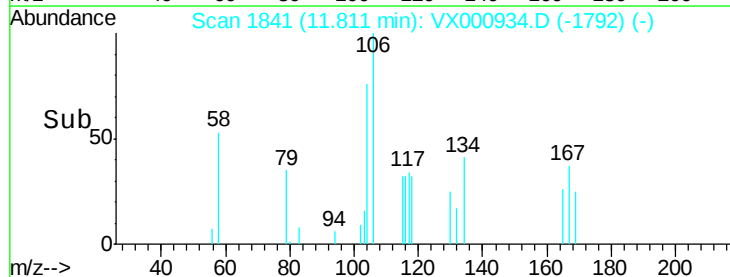
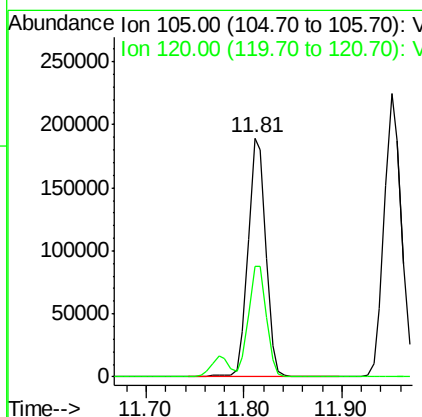
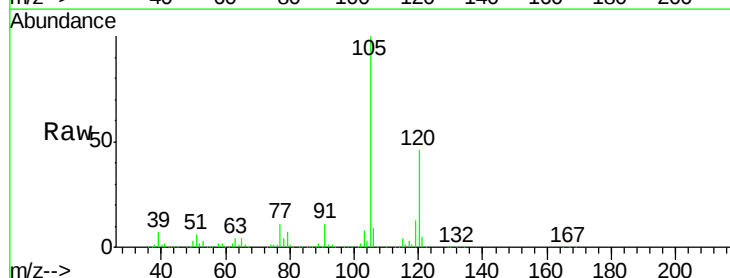
Manual Integrations
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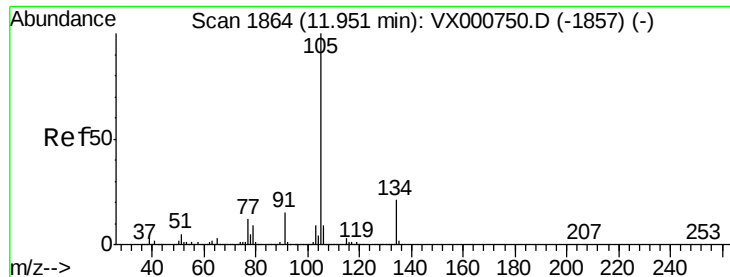
MMDadoda
 4/18/2018 2:45:09 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.76 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	238272		
120	46.6	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.55 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBSD01

Tot Ion:105 Resp: 275746

Ion Ratio Lower Upper

105 100

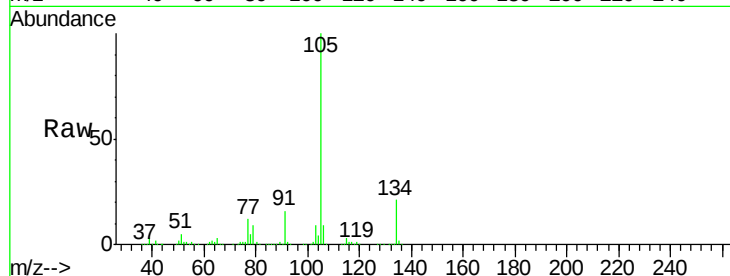
134 21.5 10.8 32.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

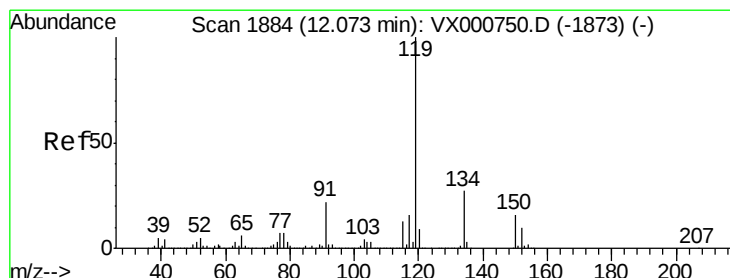
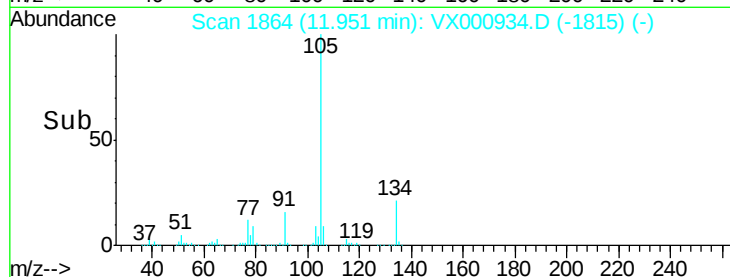
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.26 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

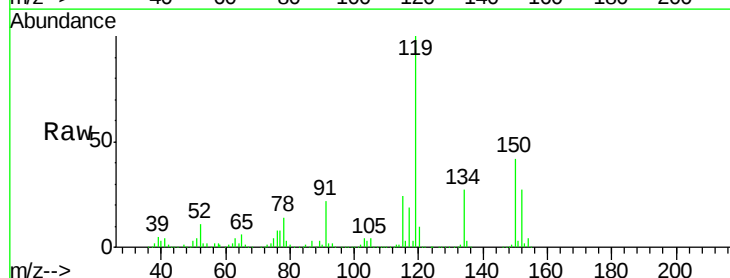
Tgt Ion:119 Resp: 253560

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 22.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

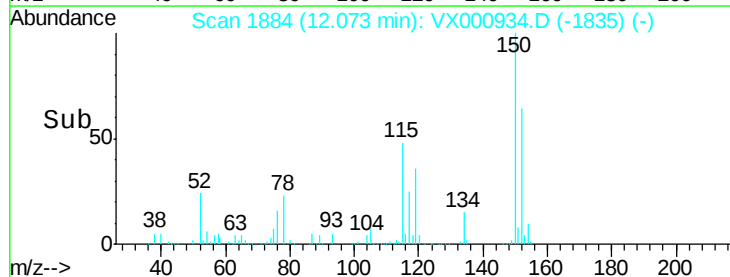
50000

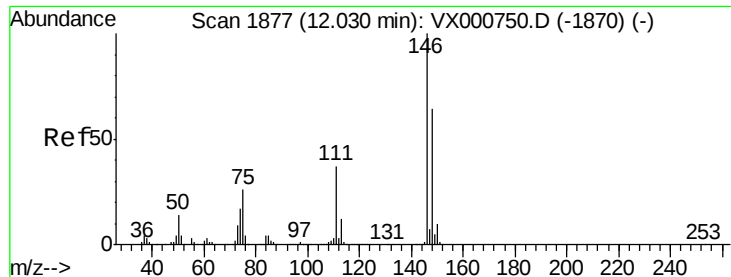
0

12.00

12.10

Time-->





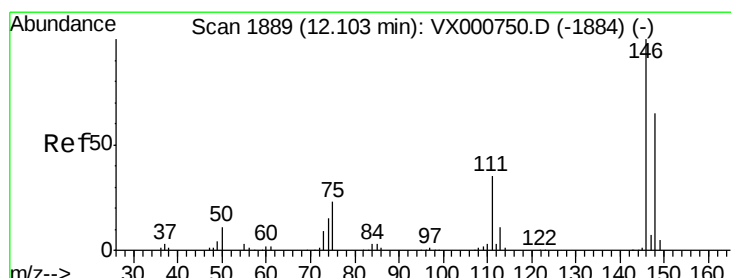
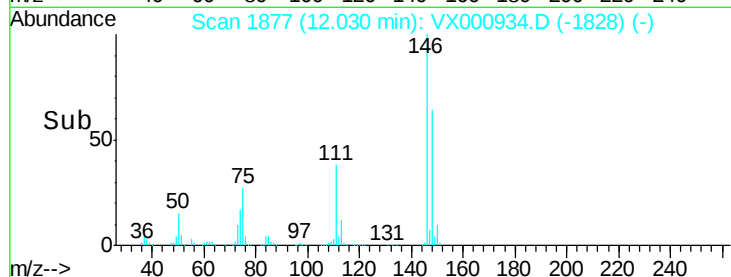
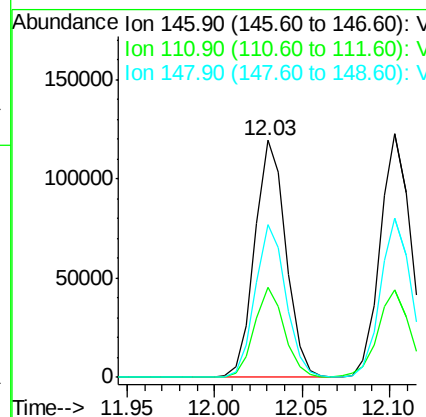
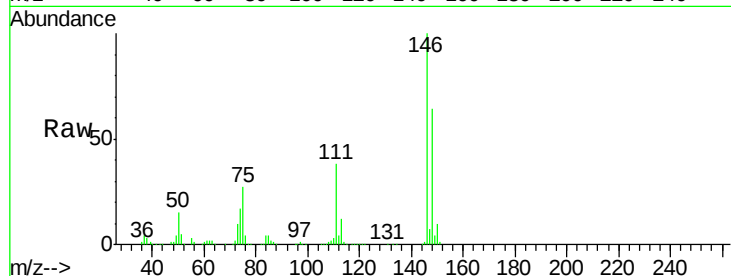
#87
 1,3-Dichlorobenzene
 Concen: 21.20 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.3	54.8
148	63.6	32.2	96.6

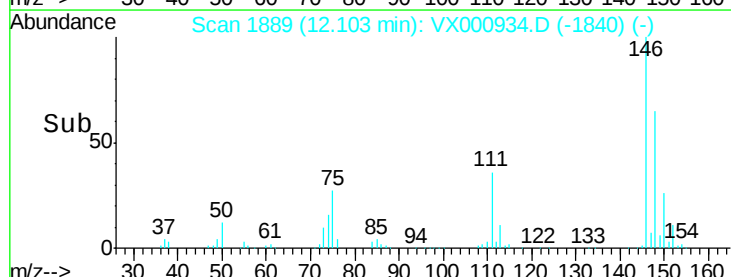
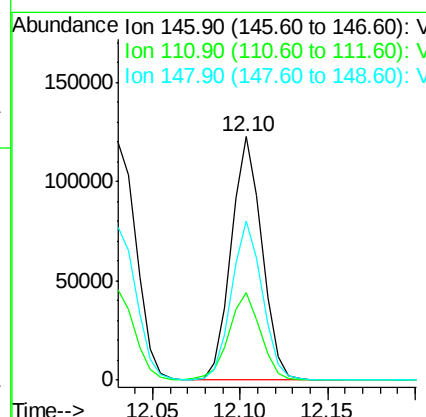
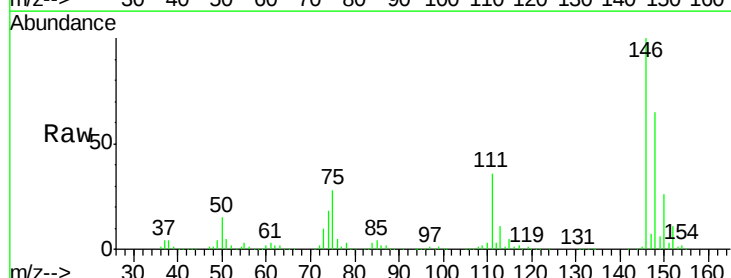
Manual Integrations
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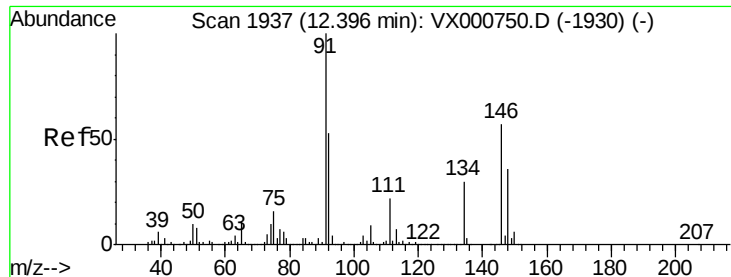
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#88
 1,4-Dichlorobenzene
 Concen: 20.92 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.9	53.8
148	65.3	32.6	97.7





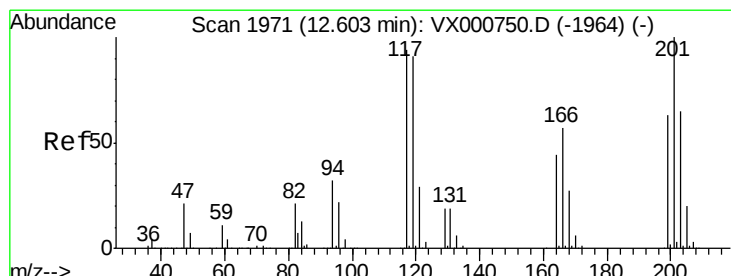
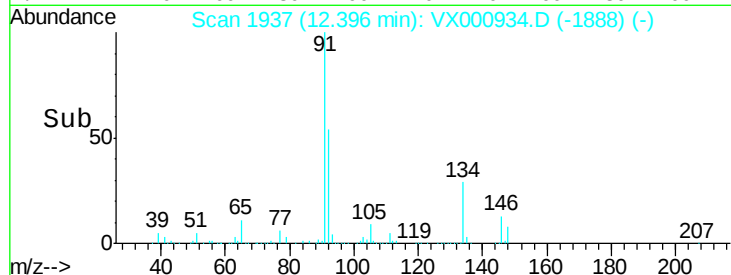
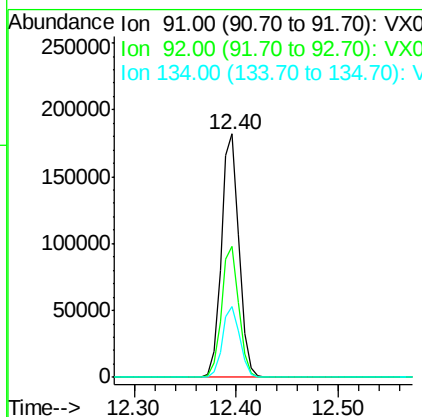
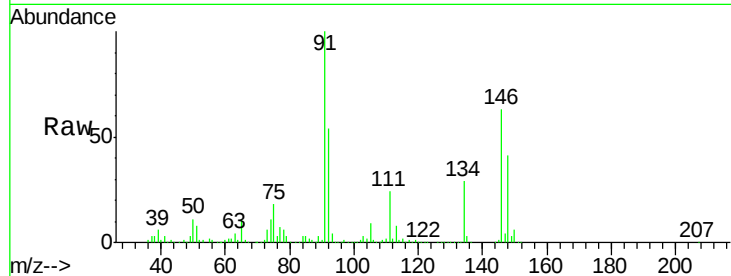
#89
n-Butylbenzene
Concen: 19.82 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	28.8	14.5	43.5

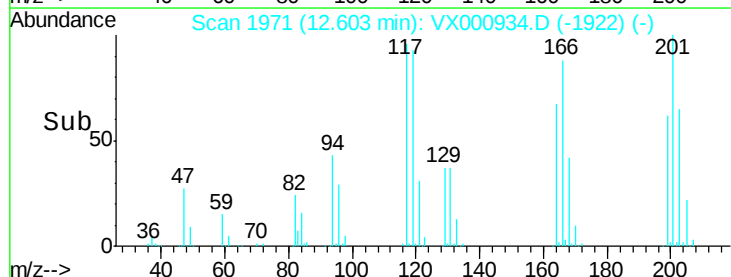
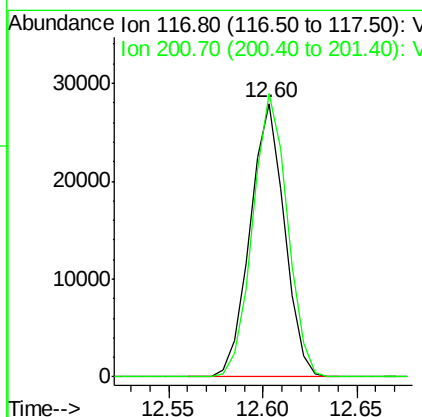
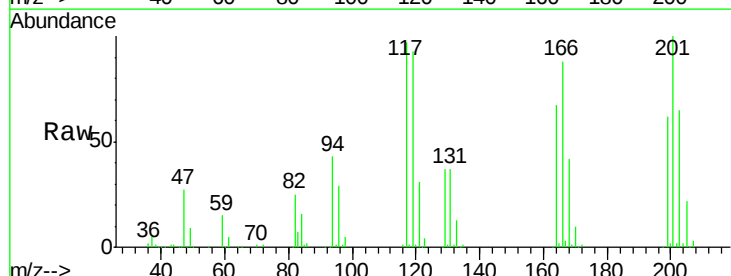
Manual Integrations
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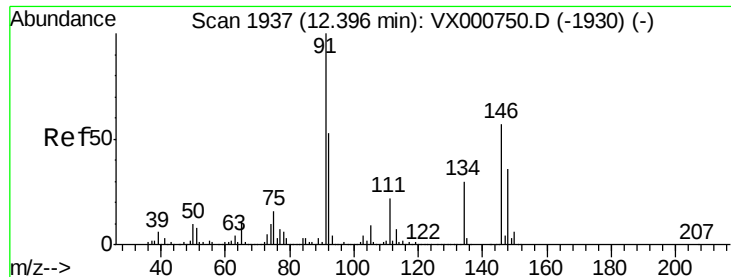
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#90
Hexachloroethane
Concen: 16.70 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000934.D
Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.9	52.9	158.7





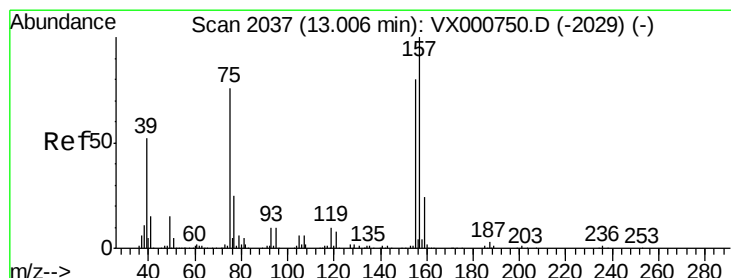
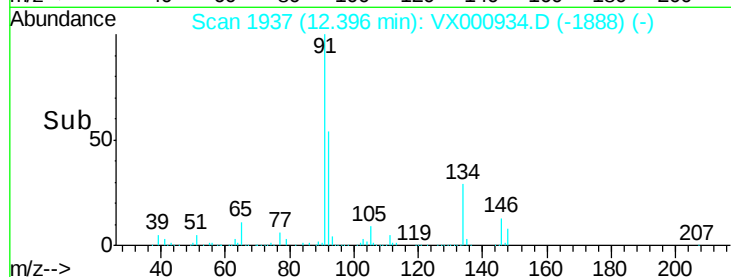
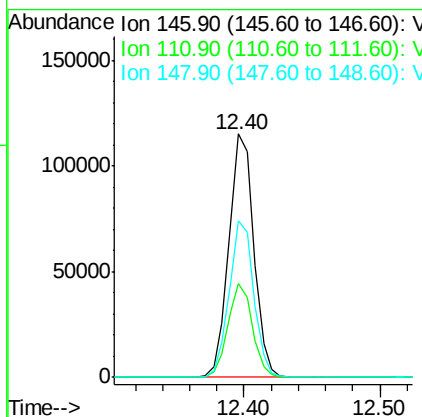
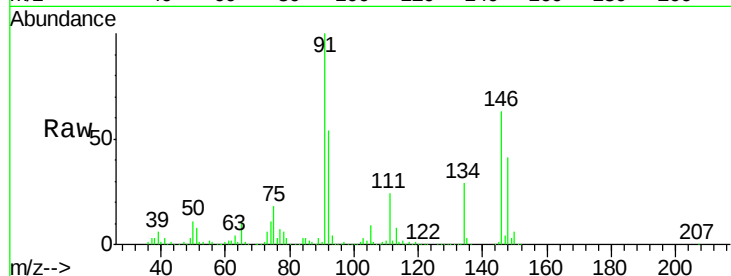
#91
 1,2-Dichlorobenzene
 Concen: 21.66 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	63.8	32.0	96.2

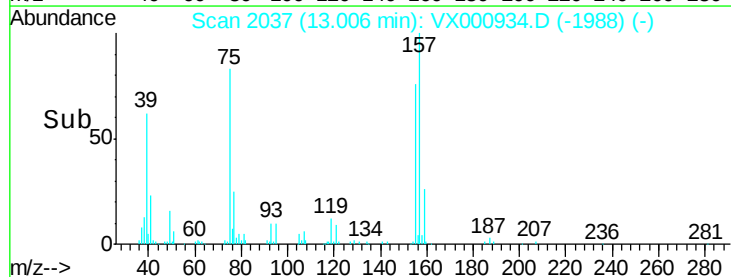
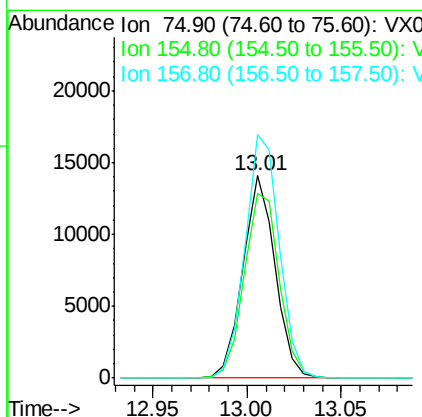
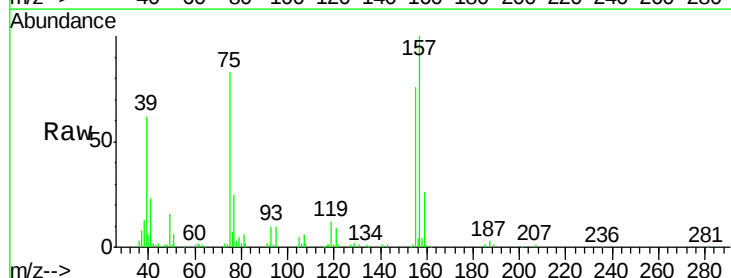
Manual Integrations
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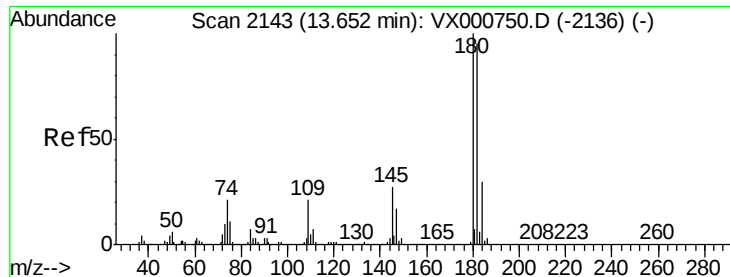
MMDadoda
 4/18/2018 2:45:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.75 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	51.9	155.8
157	127.8	66.6	199.8





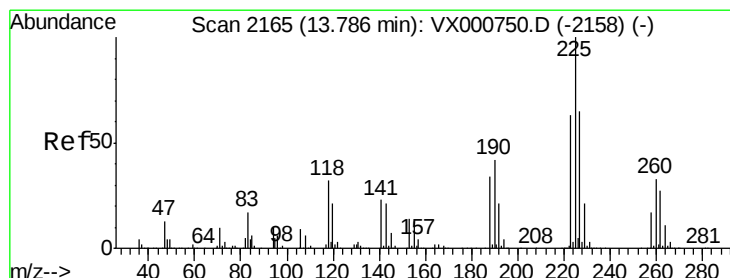
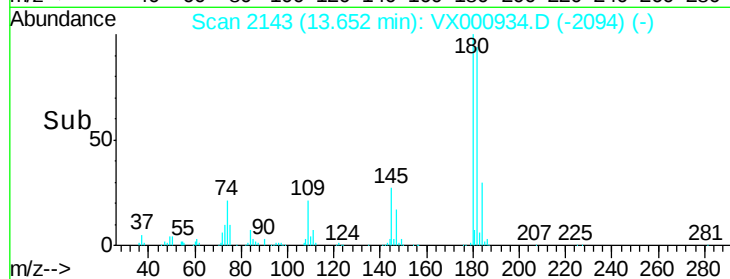
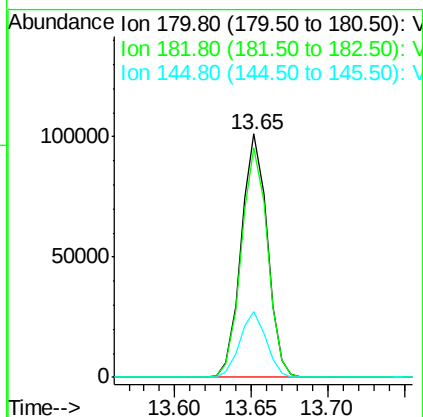
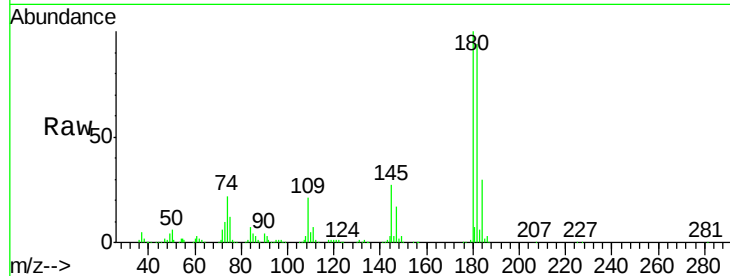
#93
 1,2,4-Trichlorobenzene
 Concen: 20.63 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119198		
182	94.9	47.5	142.5	
145	27.4	13.8	41.4	

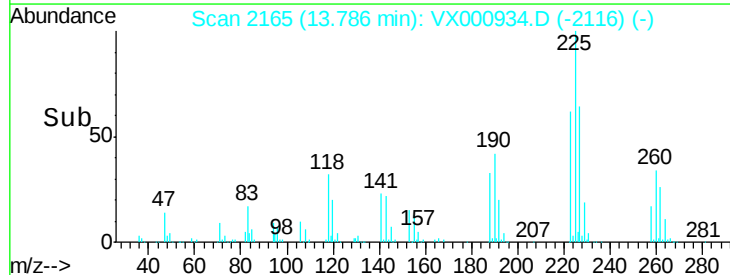
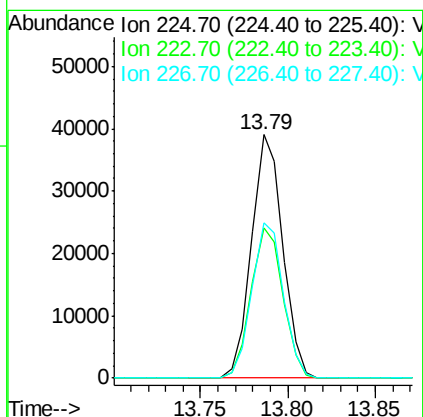
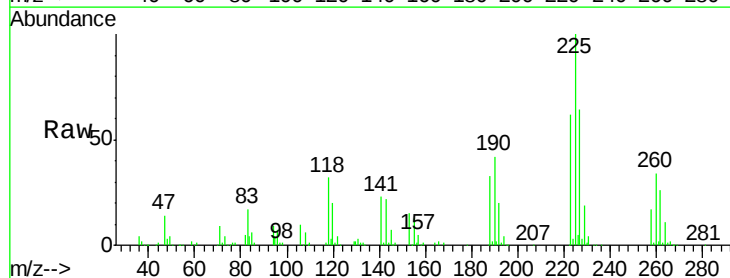
Manual Integrations
 APPROVED

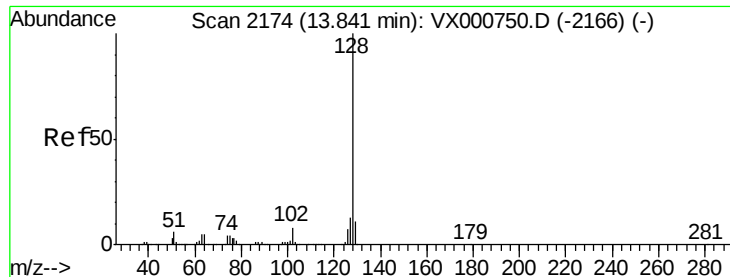
MMDadoda
 4/18/2018 2:45:09 PM



#94
 Hexachlorobutadiene
 Concen: 16.99 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX000934.D
 Acq: 16 Apr 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48275		
223	63.5	31.2	93.6	
227	64.8	32.3	96.9	





#95

Naphthalene

Concen: 20.95 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Instrument :

MSVOA_X

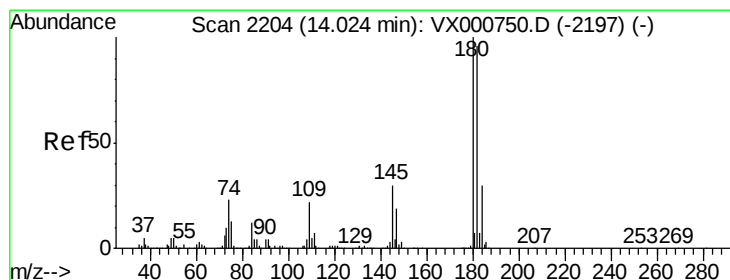
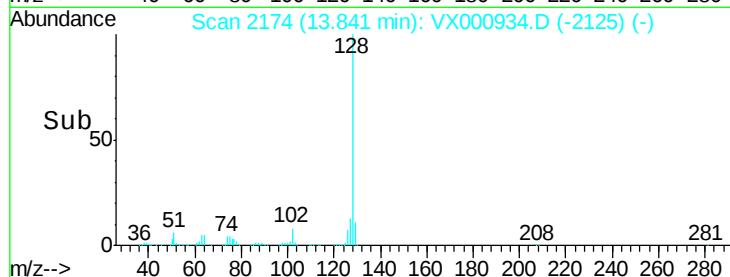
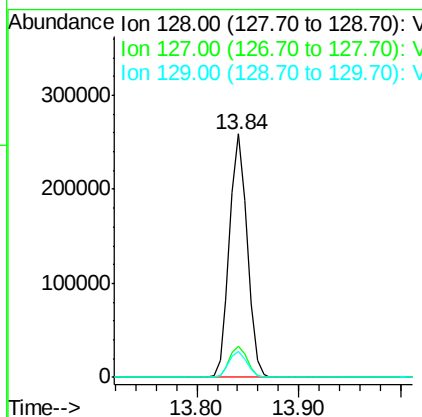
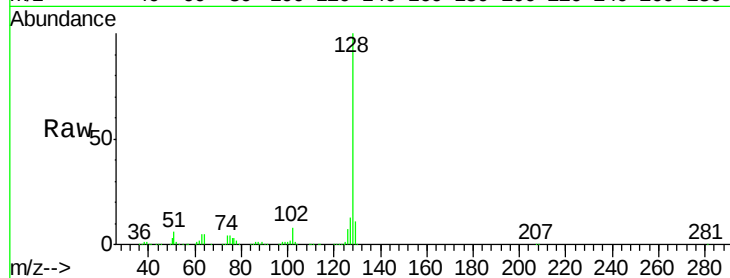
ClientSampleId :

VX0416MBSD01

Tot Ion:	128	Resp:	310725
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.57 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000934.D

Acq: 16 Apr 2018 21:47

Tgt Ion:	180	Resp:	115404
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.4	145.2
145	29.9	14.6	43.8

