

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041819\
 Data File : VX009035.D
 Acq On : 18 Apr 2019 11:50
 Operator : JC/SP
 Sample : VX0418WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 9:11:55 AM

Quant Time: Apr 19 04:46:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348572	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	151023	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	5.50	113	109724	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.71	98	436338	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.13	95	151372	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50485	20.541	ug/l	100
3) Chloromethane	1.32	50	60246	19.966	ug/l	97
4) Vinyl Chloride	1.41	62	57416	19.550	ug/l	100
5) Bromomethane	1.64	94	33986	20.906	ug/l	95
6) Chloroethane	1.72	64	34463	19.956	ug/l	97
7) Trichlorofluoromethane	1.93	101	67631	19.724	ug/l	97
8) Diethyl Ether	2.19	74	30623	19.528	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	42924	19.579	ug/l	99
10) Methyl Iodide	2.51	142	44094	21.186	ug/l	99
11) Tert butyl alcohol	3.05	59	68782	103.041	ug/l	100
12) 1,1-Dichloroethene	2.37	96	44109	19.276	ug/l	98
13) Acrolein	2.29	56	43107	74.739	ug/l	97
14) Allyl chloride	2.73	41	102259	20.483	ug/l	99
15) Acrylonitrile	3.14	53	176813	104.346	ug/l	99
16) Acetone	2.45	43	165320	106.010	ug/l	99
17) Carbon Disulfide	2.57	76	124671	19.328	ug/l	100
18) Methyl Acetate	2.78	43	79881	20.524	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	164161	20.134	ug/l	100
20) Methylene Chloride	2.86	84	52259	19.596	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	46386	19.005	ug/l	94
22) Diisopropyl ether	3.86	45	202300	20.853	ug/l	89
23) Vinyl Acetate	3.81	43	899669	105.500	ug/l	99
24) 1,1-Dichloroethane	3.70	63	97302	19.981	ug/l	99
25) 2-Butanone	4.67	43	267353	107.254	ug/l	99
26) 2,2-Dichloropropane	4.59	77	69356	19.000	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	54976	19.839	ug/l	100
28) Bromochloromethane	5.01	49	44651	20.954	ug/l	98
29) Tetrahydrofuran	5.13	42	174280	104.458	ug/l	99
30) Chloroform	5.21	83	88438	20.294	ug/l	97
31) Cyclohexane	5.58	56	95324	19.902	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	72206	19.992	ug/l	99
36) 1,1-Dichloropropene	5.80	75	67167	18.632	ug/l	99
37) Ethyl Acetate	4.84	43	100162	21.592	ug/l	99
38) Carbon Tetrachloride	5.79	117	59454	19.454	ug/l	98

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Manual Integrations
 APPROVED

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 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82438	18.782	ug/l	96
40) Benzene	6.14	78	210423	19.786	ug/l	99
41) Methacrylonitrile	5.04	41	55643	20.900	ug/l	99
42) 1,2-Dichloroethane	6.19	62	75775	20.114	ug/l	99
43) Isopropyl Acetate	6.45	43	151283	20.237	ug/l	100
44) Trichloroethene	7.21	130	48453	18.594	ug/l	97
45) 1,2-Dichloropropane	7.51	63	59041	20.011	ug/l	98
46) Dibromomethane	7.66	93	34174	19.903	ug/l	98
47) Bromodichloromethane	7.90	83	65619	19.484	ug/l	100
48) Methyl methacrylate	7.77	41	76116	20.607	ug/l	99
49) 1,4-Dioxane	7.74	88	27266	394.391	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	503703	105.766	ug/l	99
52) Toluene	8.78	92	125505	19.691	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	74945	19.336	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	84480	19.466	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	51475	20.377	ug/l	97
56) Ethyl methacrylate	9.18	69	91888	20.287	ug/l	100
57) 1,3-Dichloropropane	9.37	76	90992	20.231	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	245636	100.706	ug/l	99
59) 2-Hexanone	9.49	43	383564	104.464	ug/l	100
60) Dibromochloromethane	9.58	129	47626	19.672	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51470	19.742	ug/l	99
64) Tetrachloroethene	9.34	164	44559	19.166	ug/l	98
65) Chlorobenzene	10.14	112	126198	19.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	45811	20.132	ug/l	99
67) Ethyl Benzene	10.25	91	230824	19.548	ug/l	99
68) m/p-Xylenes	10.36	106	164915	38.429	ug/l	99
69) o-Xylene	10.70	106	80806	19.352	ug/l	99
70) Styrene	10.71	104	140686	19.443	ug/l	99
71) Bromoform	10.85	173	34714	19.148	ug/l #	100
73) Isopropylbenzene	11.02	105	217001	20.643	ug/l	100
74) N-amyl acetate	10.90	43	126483	20.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	80674	21.004	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	71189m	21.022	ug/l	
77) Bromobenzene	11.26	156	52689	19.865	ug/l	99
78) n-propylbenzene	11.36	91	245784	20.371	ug/l	99
79) 2-Chlorotoluene	11.42	91	149200	20.520	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	182848	20.728	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	25562	19.379	ug/l	92
82) 4-Chlorotoluene	11.51	91	168458	19.950	ug/l	100
83) tert-Butylbenzene	11.77	119	170819	20.169	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	184881	20.589	ug/l	99
85) sec-Butylbenzene	11.94	105	206353	20.429	ug/l	100
86) p-Isopropyltoluene	12.06	119	186228	20.053	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	89896	19.365	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	90238	19.176	ug/l	99
89) n-Butylbenzene	12.38	91	170448	19.708	ug/l	99
90) Hexachloroethane	12.60	117	30292	19.774	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	90678	19.782	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17378	19.871	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

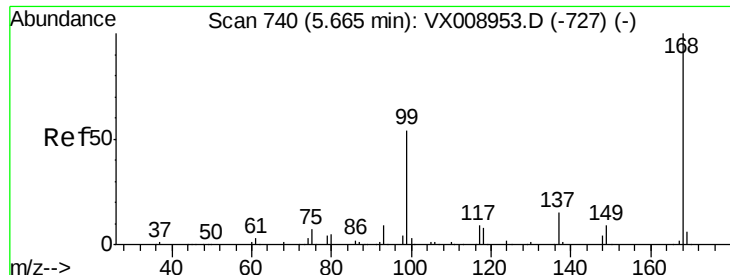
Manual Integrations
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4/19/2019 9:11:55 AM

Quant Time: Apr 19 04:46:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	61316	18.530	ug/l	99
94) Hexachlorobutadiene	13.78	225	32378	19.619	ug/l	99
95) Naphthalene	13.83	128	206030	19.434	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	62242	19.064	ug/l	99

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



#1

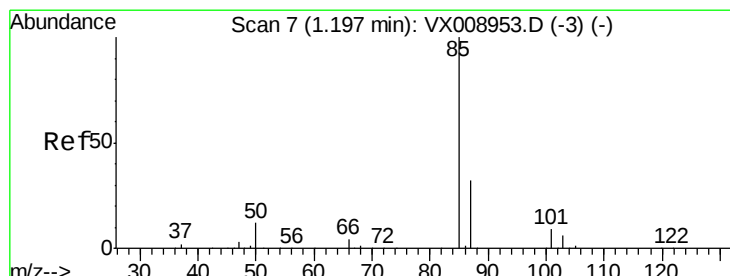
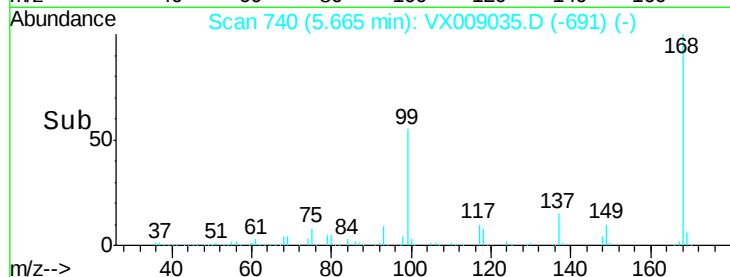
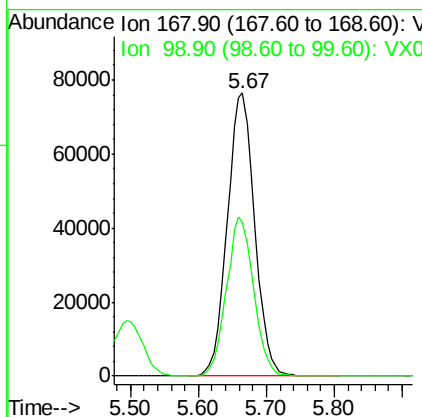
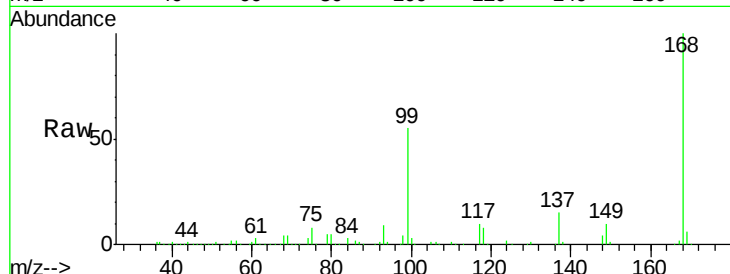
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		213386		
99	54.5		43.0	64.6	

Manual Integrations
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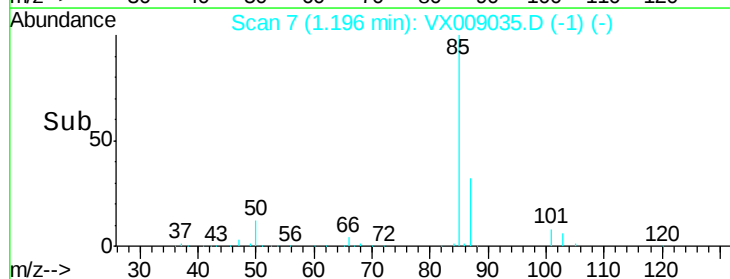
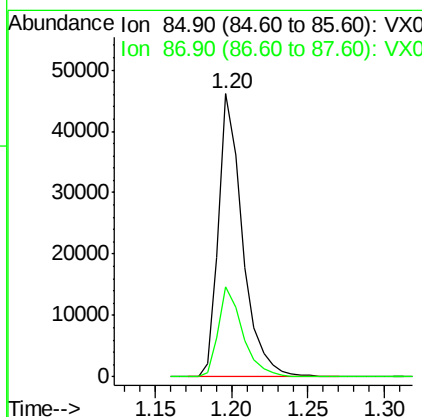
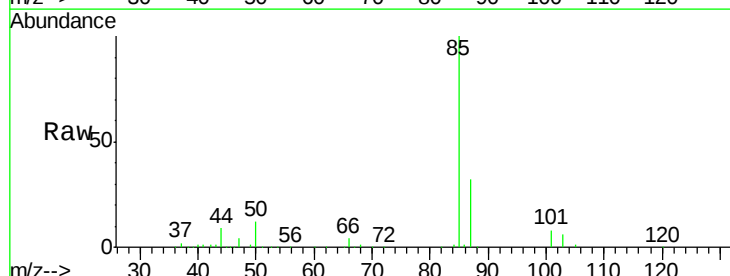
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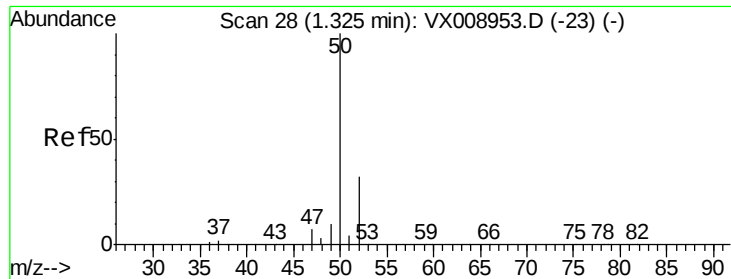


#2

Dichlorodifluoromethane
 Concen: 20.541 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		50485		
87	31.9		16.0	47.9	





#3

Chloromethane

Concen: 19.966 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 50 Resp: 60246

Ion Ratio Lower Upper

50 100

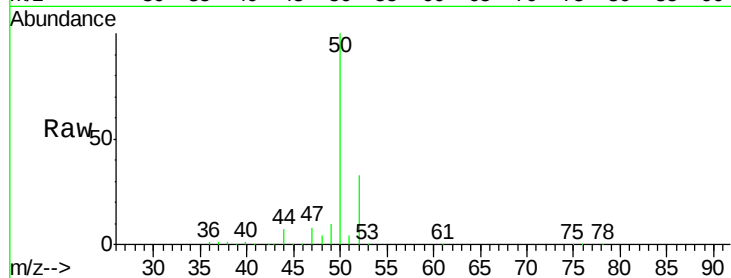
52 33.4 25.5 38.3

Manual Integrations

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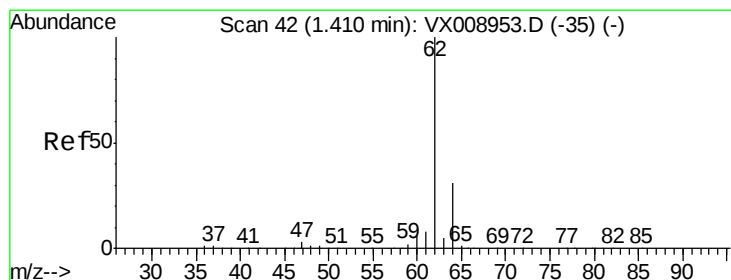
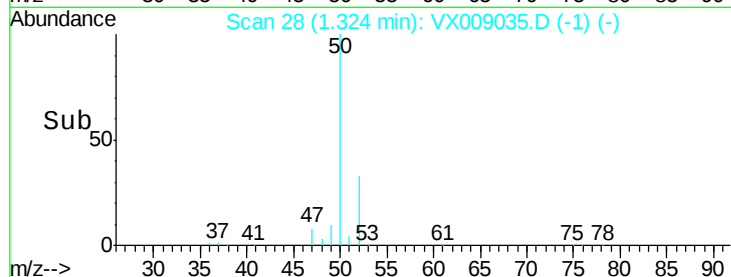
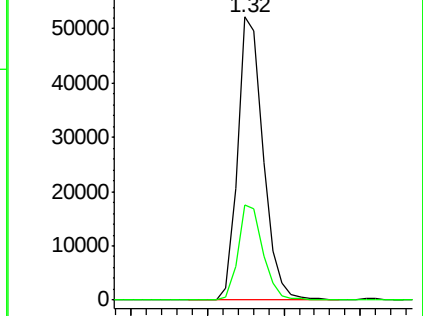
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.550 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009035.D

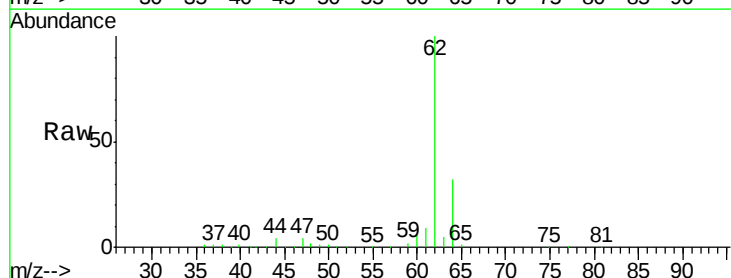
Acq: 18 Apr 2019 11:50

Tgt Ion: 62 Resp: 57416

Ion Ratio Lower Upper

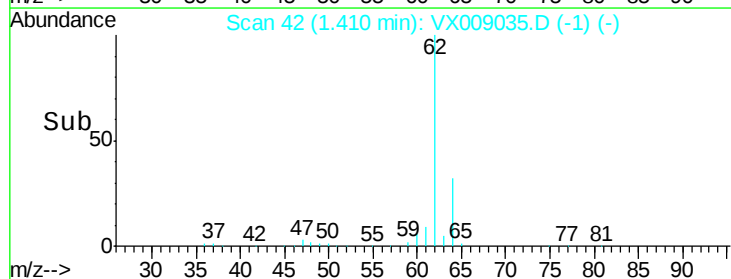
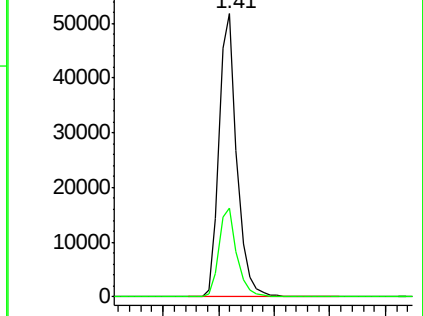
62 100

64 31.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.906 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 94 Resp: 33986

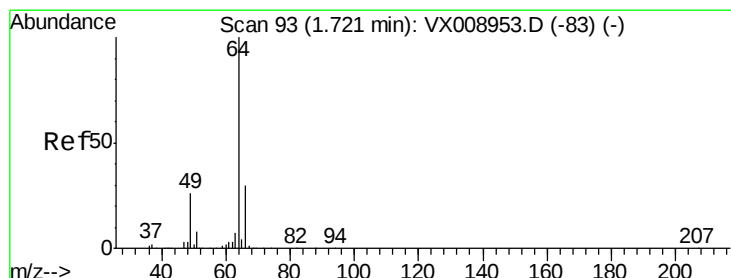
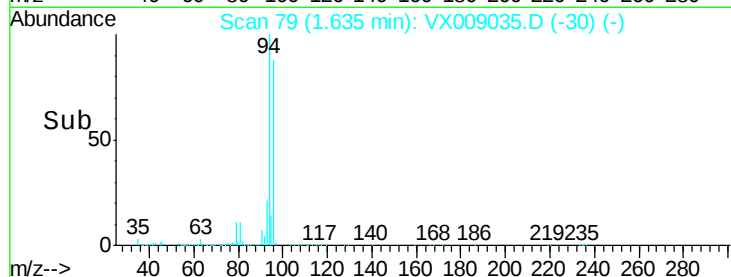
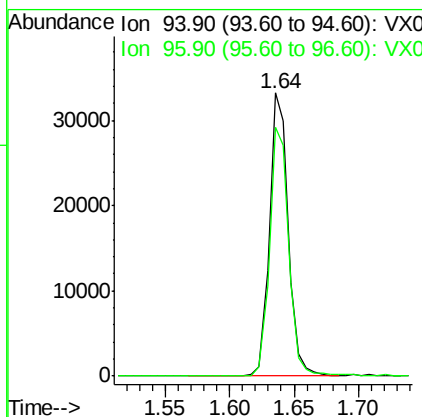
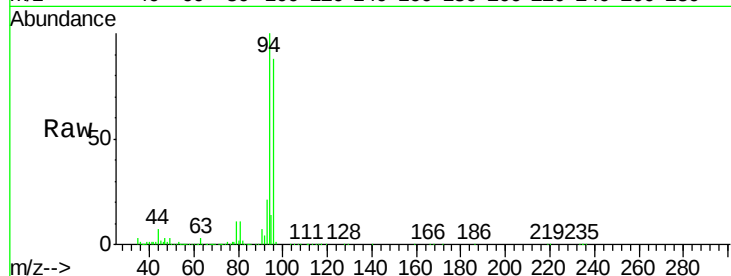
Ion Ratio Lower Upper

94 100

96 87.5 73.9 110.9

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#6

Chloroethane

Concen: 19.956 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009035.D

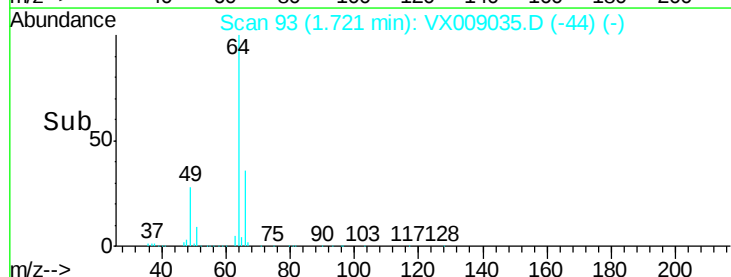
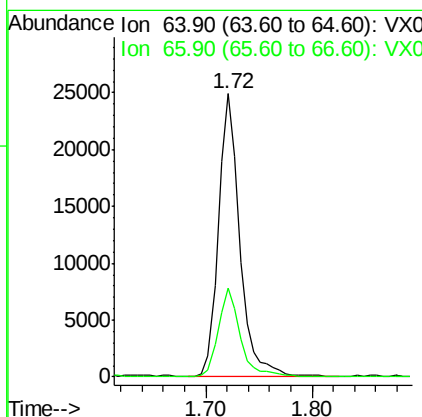
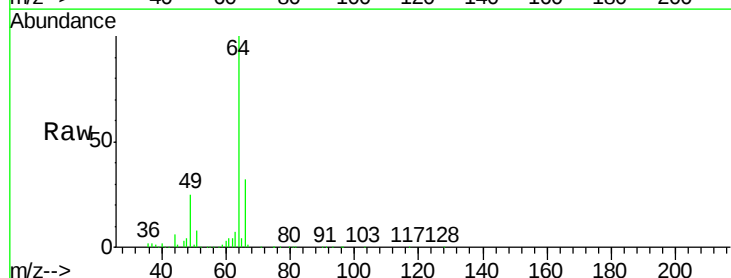
Acq: 18 Apr 2019 11:50

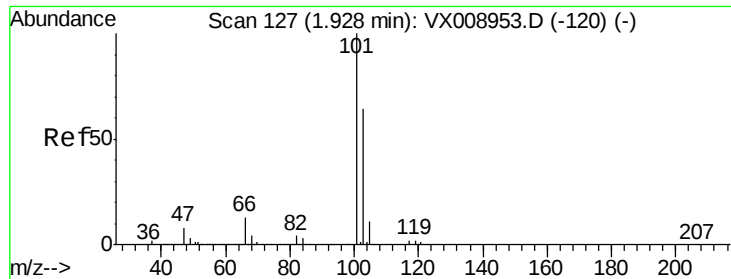
Tgt Ion: 64 Resp: 34463

Ion Ratio Lower Upper

64 100

66 31.6 24.2 36.2





#7

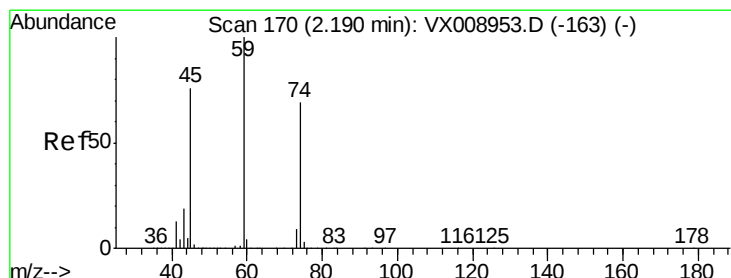
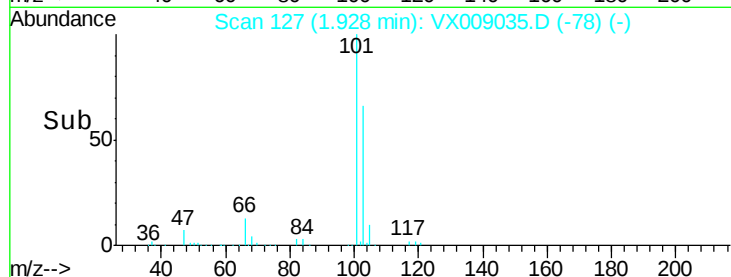
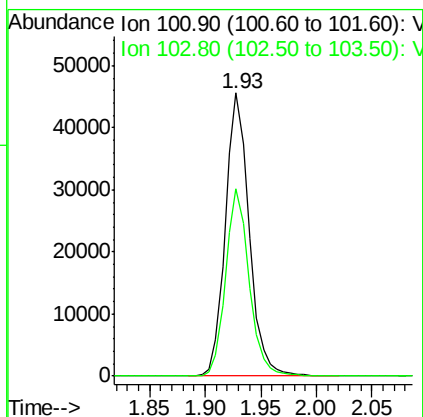
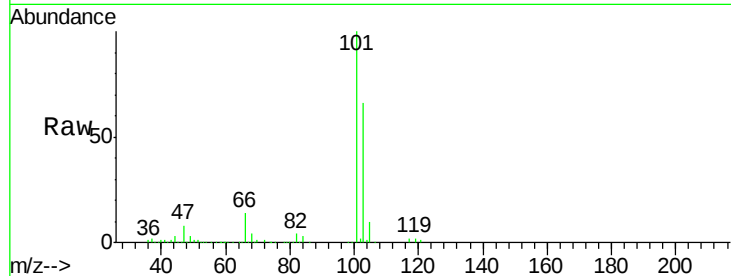
Trichlorofluoromethane
Concen: 19.724 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.0	76.6

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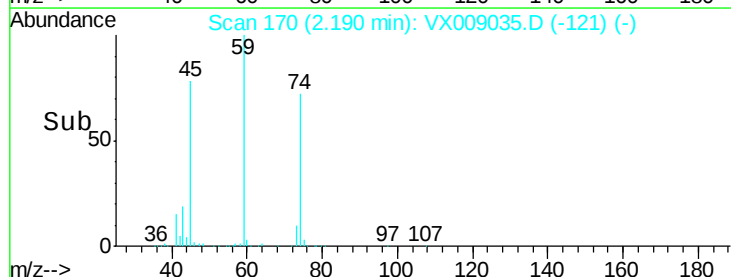
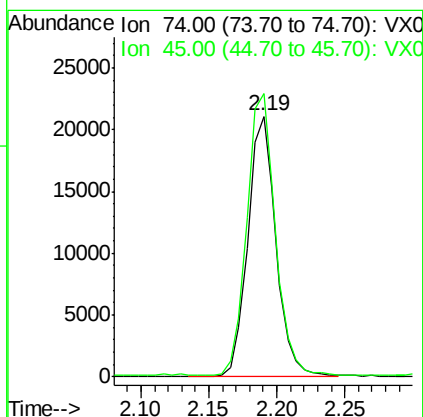
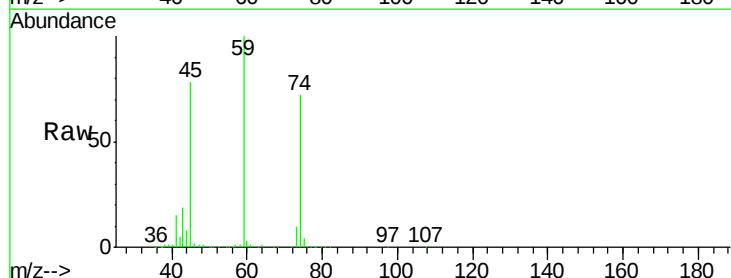
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4/19/2019 9:11:55 AM



#8

Diethyl Ether
Concen: 19.528 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.5	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.579 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

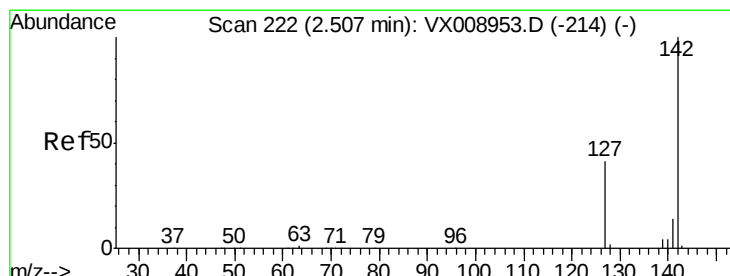
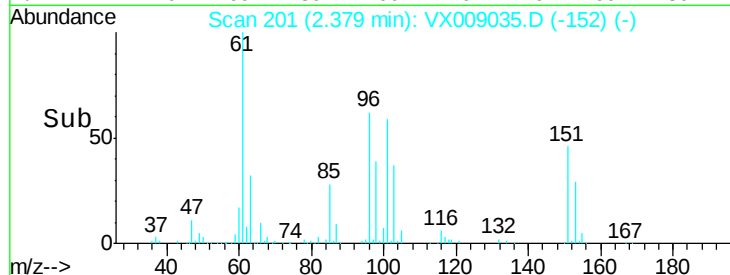
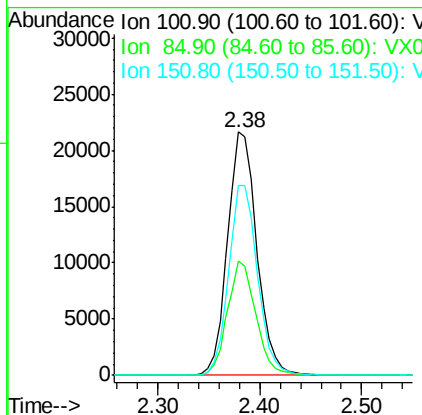
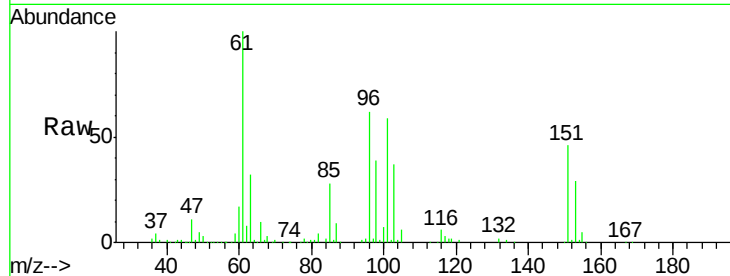
ClientSampleId :

VX0418WBS01

Tot Ion:	101	Resp:	42924
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.7	53.5
151	77.1	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 21.186 ug/l

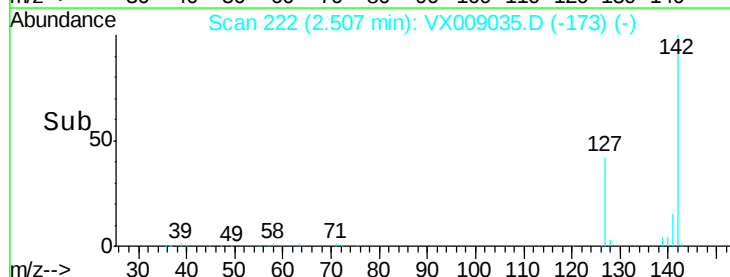
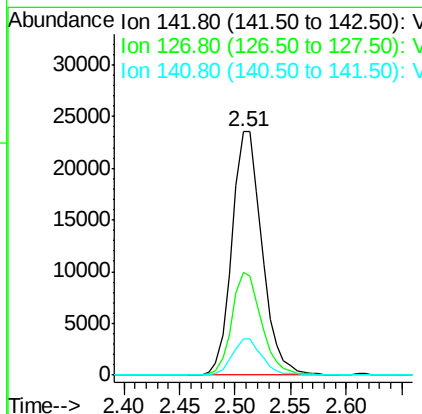
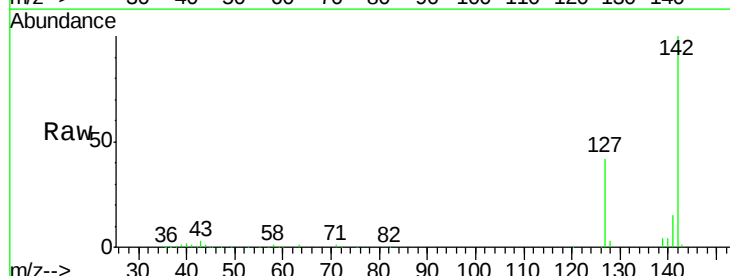
RT: 2.51 min Scan# 222

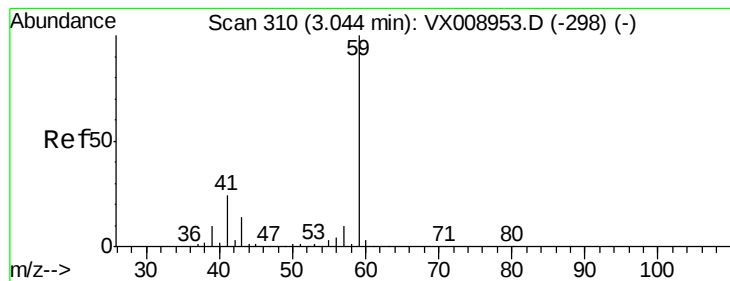
Delta R.T. 0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Tgt Ion:	142	Resp:	44094
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.8	49.2
141	14.6	11.4	17.2





#11

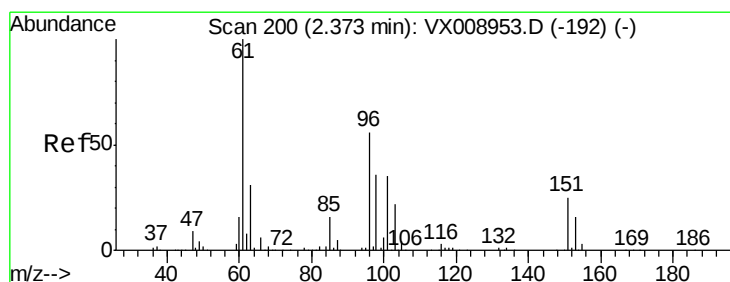
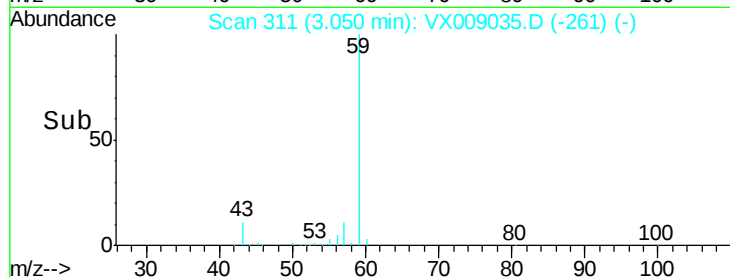
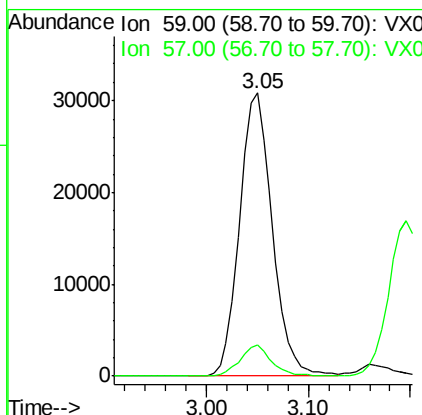
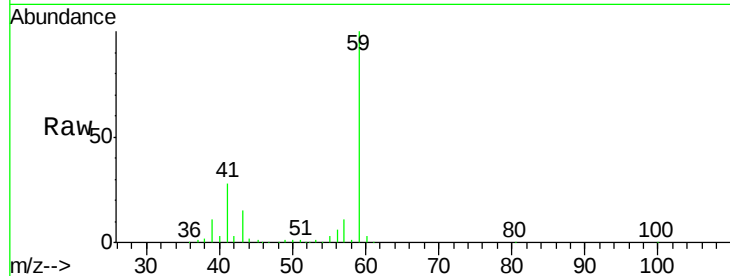
Tert butyl alcohol
Concen: 103.041 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	59	57	Ratio	100	10.5	Resp	68782	Lower	Upper
59	100								
57		10.5						8.4	12.6

Manual Integrations
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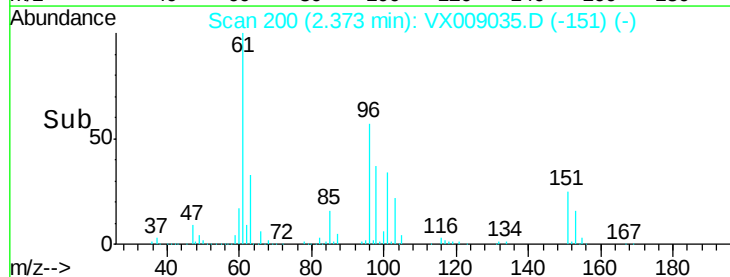
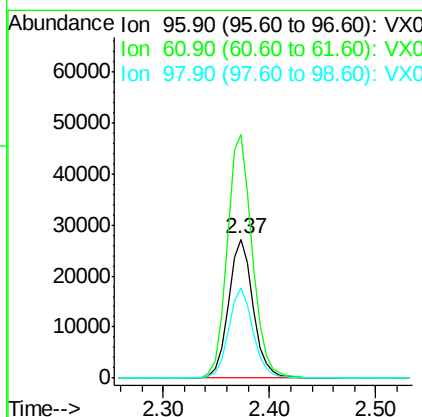
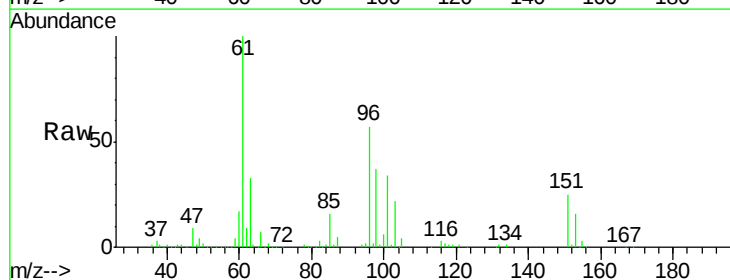
MMDadoda
4/19/2019 9:11:55 AM

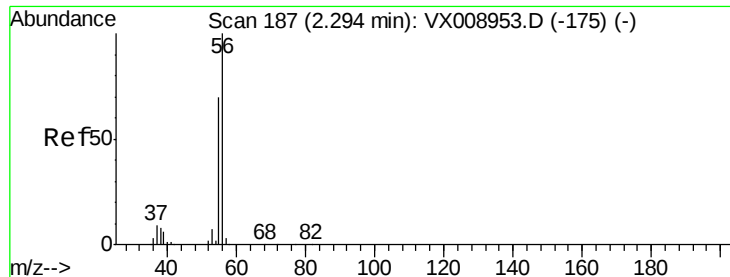


#12

1,1-Dichloroethene
Concen: 19.276 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	96	61	98	Ratio	100	174.9	64.3	Resp	44109	Lower	Upper
96	100										
61		174.9								142.2	213.2
98		64.3								50.9	76.3





#13

Acrolein

Concen: 74.739 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 56 Resp: 43107

Ion Ratio Lower Upper

56 100

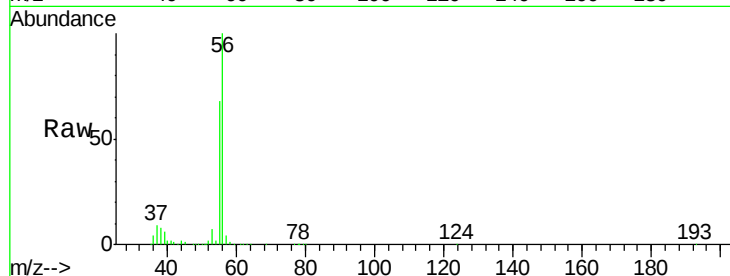
55 68.5 56.6 84.8

Manual Integrations

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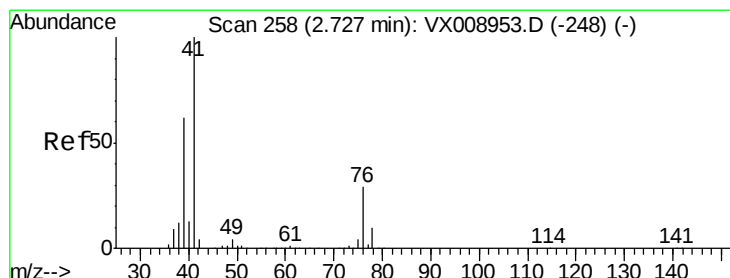
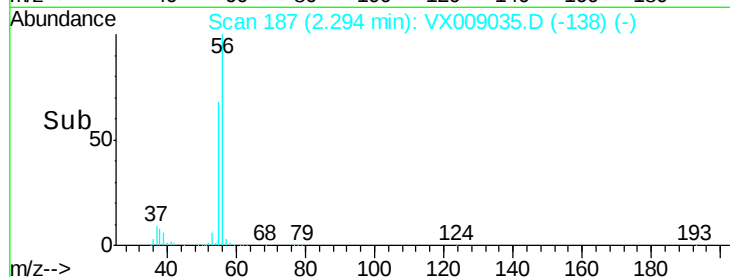
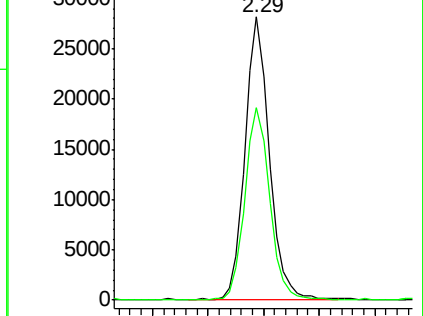
MMDadoda

4/19/2019 9:11:55 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.483 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

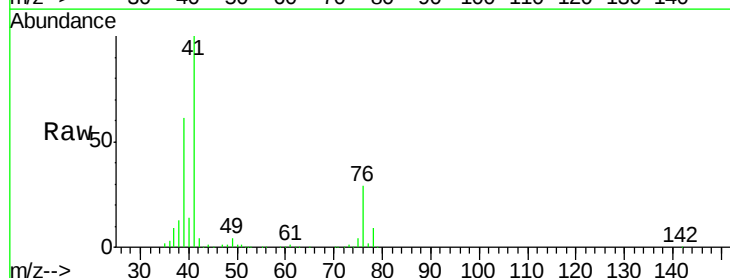
Tgt Ion: 41 Resp: 102259

Ion Ratio Lower Upper

41 100

39 59.6 46.7 70.1

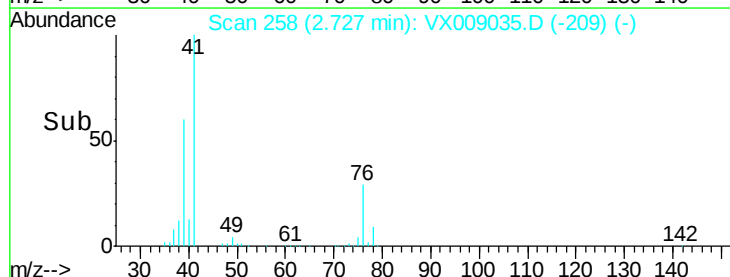
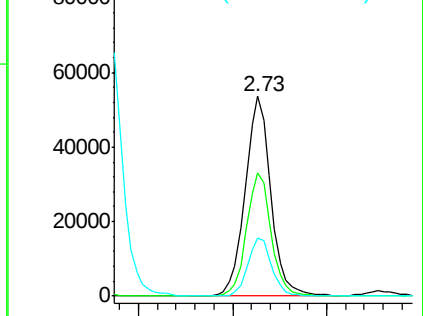
76 27.5 22.0 33.0

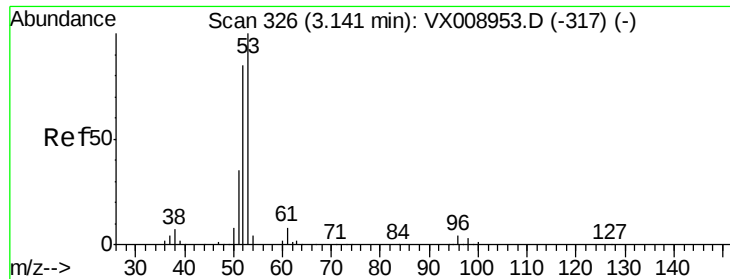


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 104.346 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

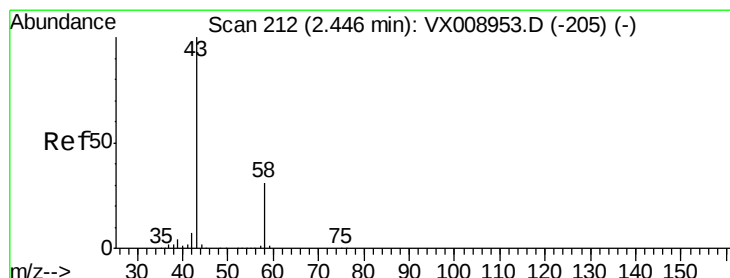
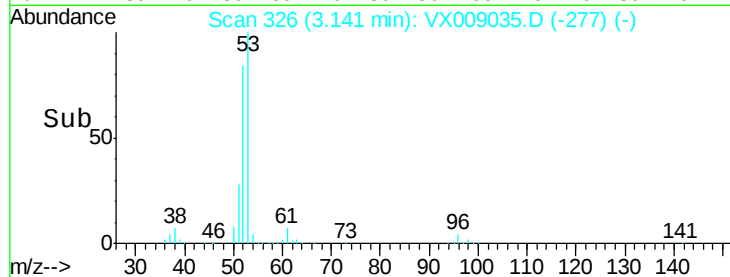
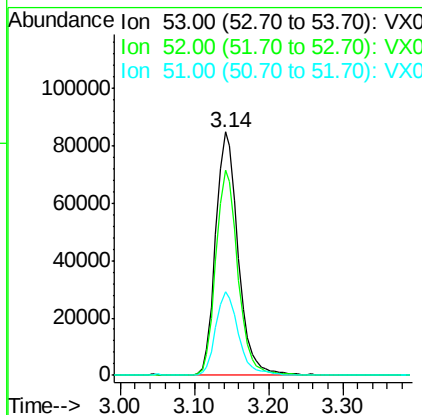
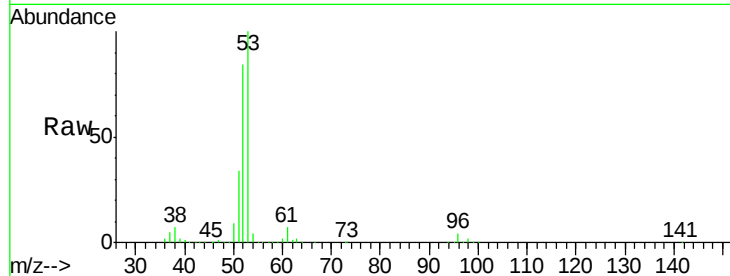
ClientSampleId :

VX0418WBS01

Tot Ion:	53	Resp:	176813
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.6	100.0
51	34.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 106.010 ug/l

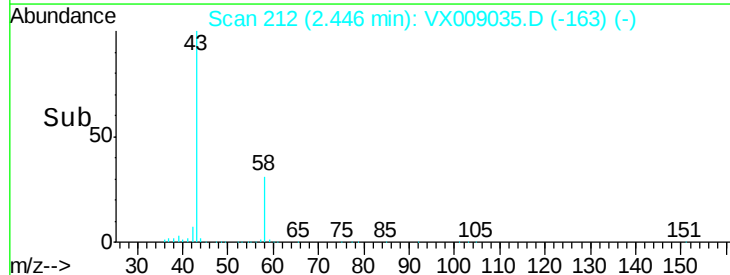
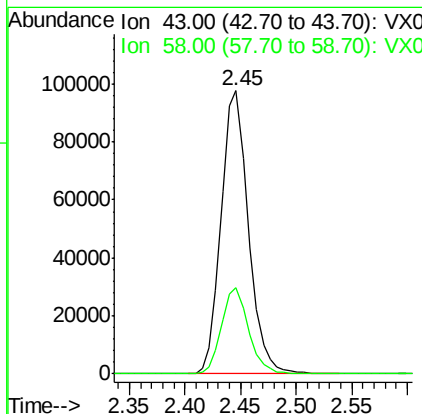
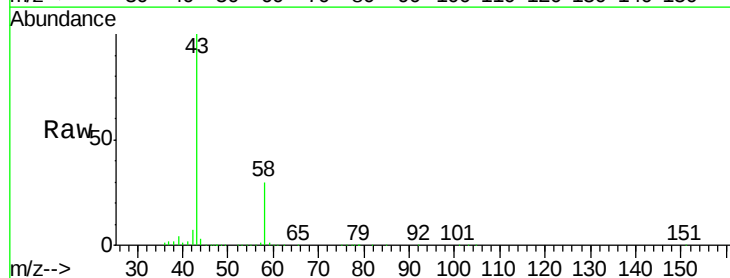
RT: 2.45 min Scan# 212

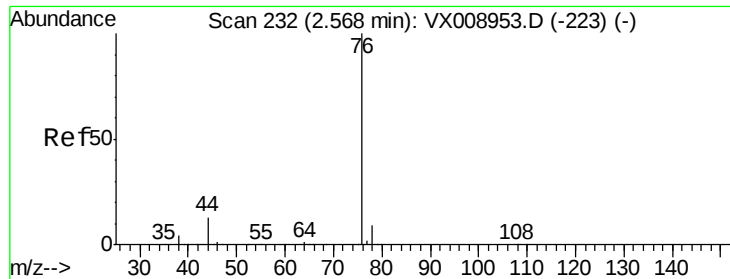
Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Tgt Ion:	43	Resp:	165320
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.8	37.2





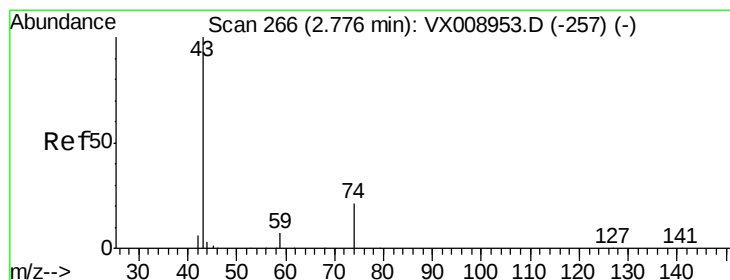
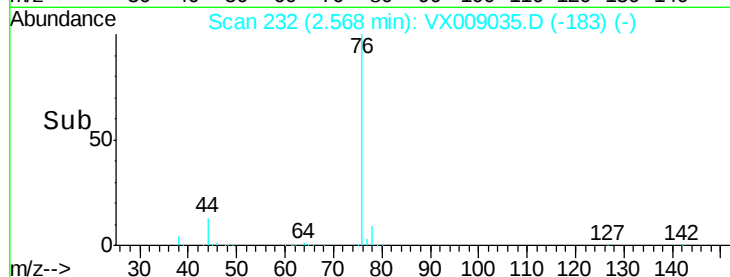
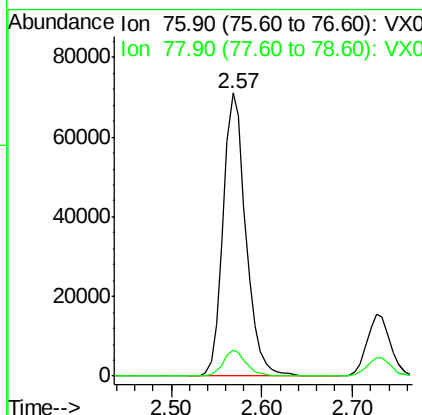
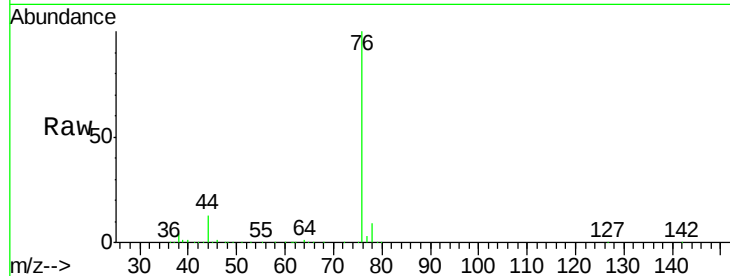
#17
Carbon Disulfide
Concen: 19.328 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

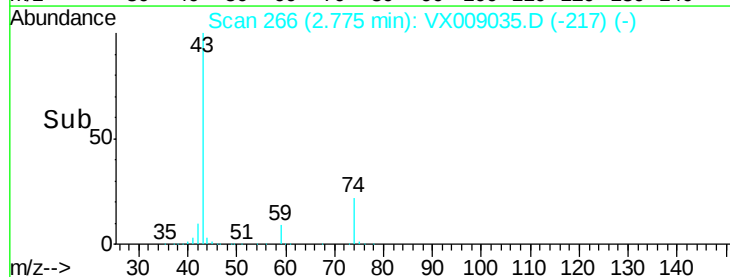
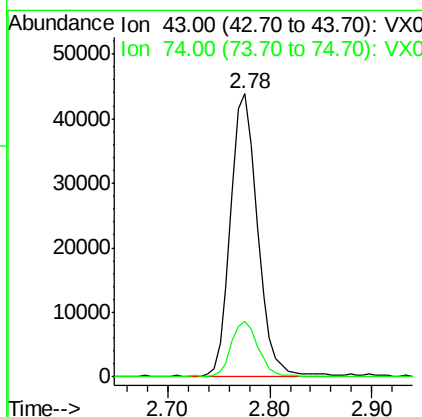
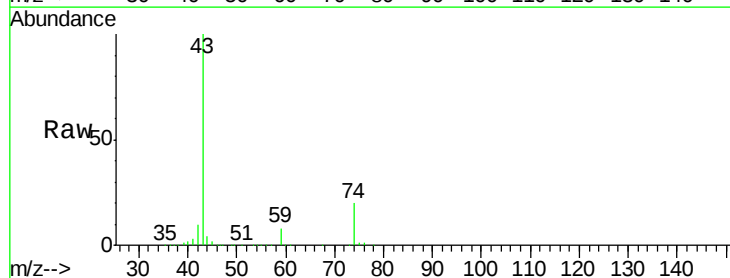
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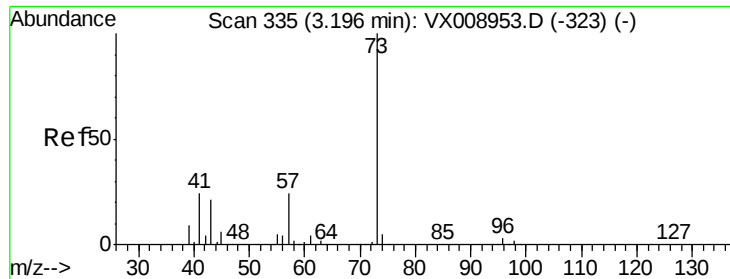
MMDadoda
4/19/2019 9:11:55 AM



#18
Methyl Acetate
Concen: 20.524 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.6	25.0





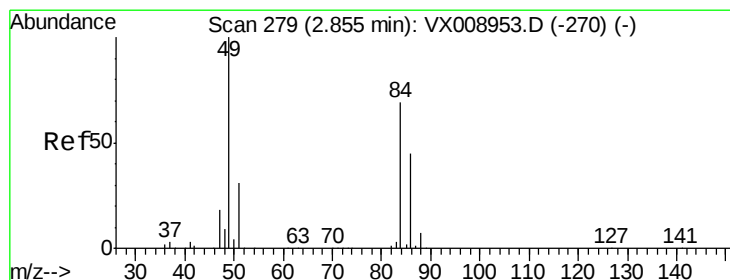
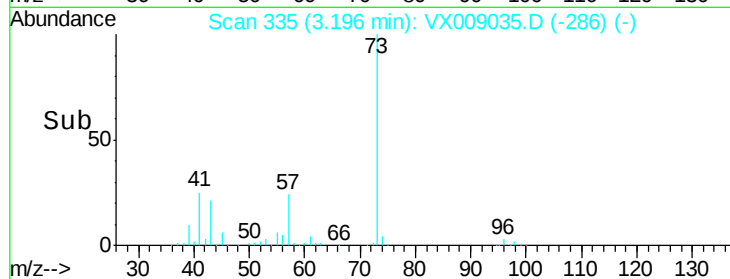
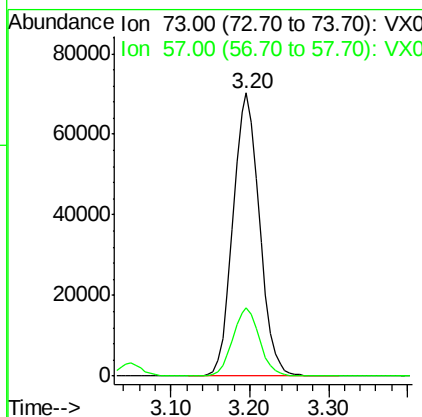
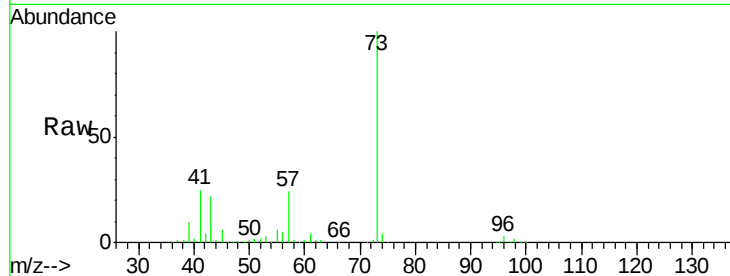
#19
Methvl tert-butvl Ether
Concen: 20.134 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion: 73 Resp: 164161
Ion Ratio Lower Upper
73 100
57 24.1 19.2 28.8

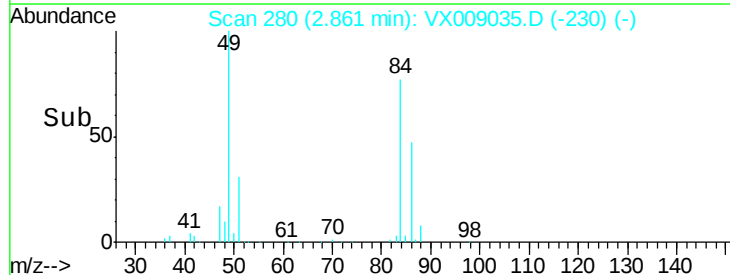
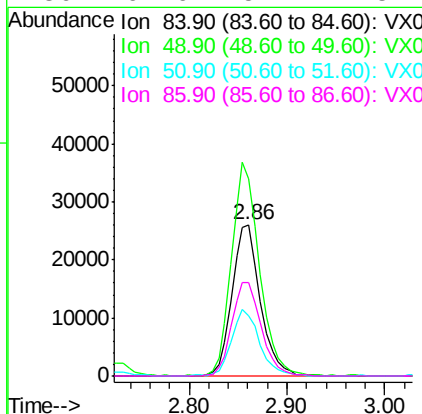
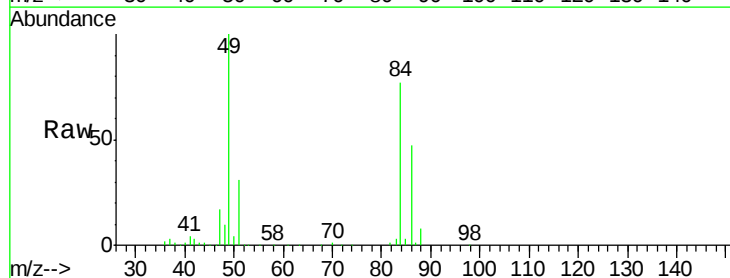
Manual Integrations
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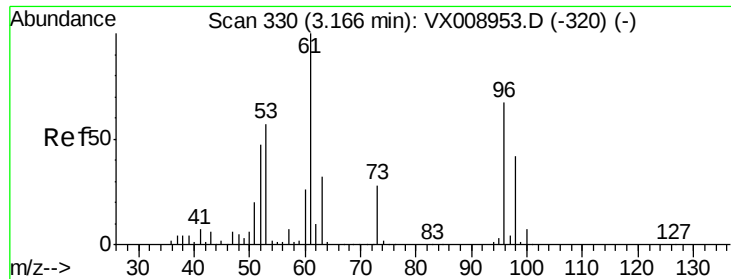
MMDadoda
4/19/2019 9:11:55 AM



#20
Methylene Chloride
Concen: 19.596 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion: 84 Resp: 52259
Ion Ratio Lower Upper
84 100
49 129.9 115.4 173.0
51 40.2 35.8 53.6
86 61.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.005 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009035.D

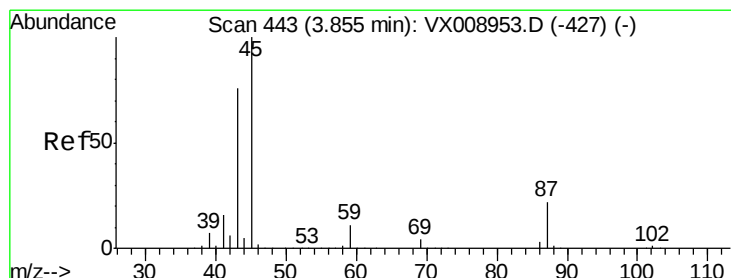
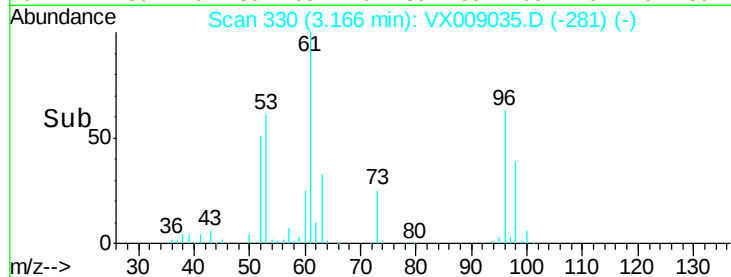
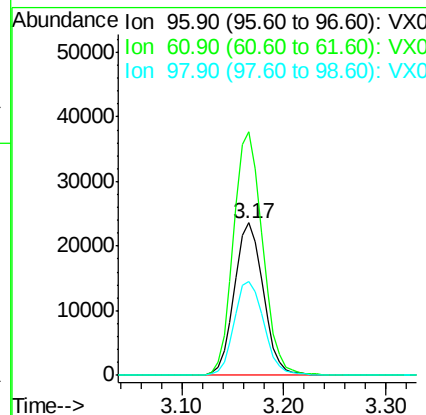
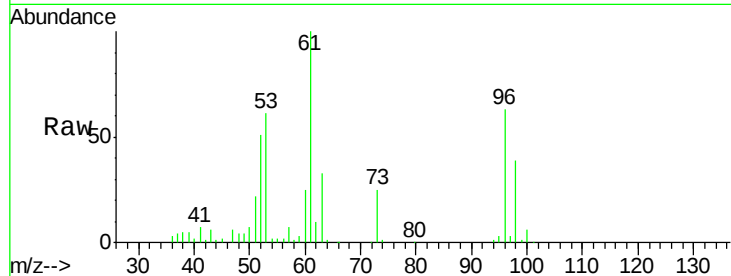
Acq: 18 Apr 2019 11:50

Tot Ion:	96	Resp:	46386
Ion	Ratio	Lower	Upper
96	100		
61	159.5	120.3	180.5
98	61.5	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.853 ug/l

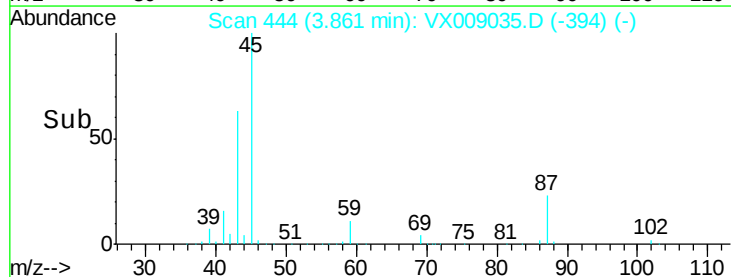
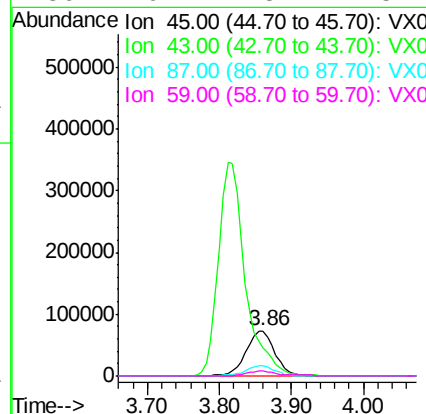
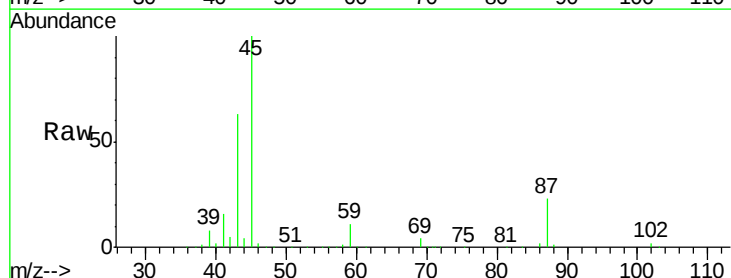
RT: 3.86 min Scan# 444

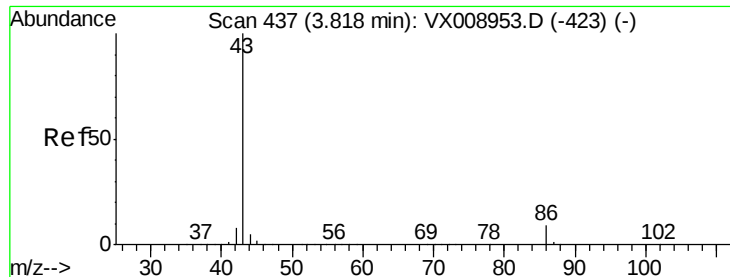
Delta R.T. 0.01 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Tgt Ion:	45	Resp:	202300
Ion	Ratio	Lower	Upper
45	100		
43	62.5	60.6	91.0
87	22.5	17.8	26.8
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 105.500 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 43 Resp: 899669

Ion Ratio Lower Upper

43 100

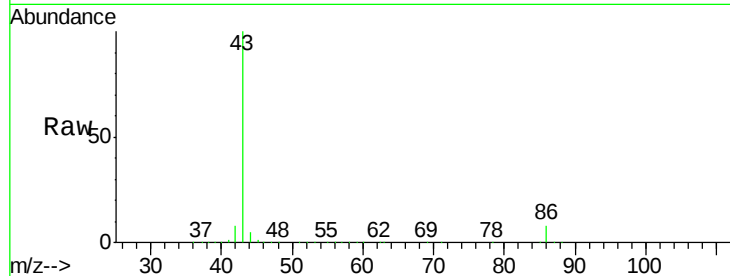
86 8.5 7.1 10.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

400000

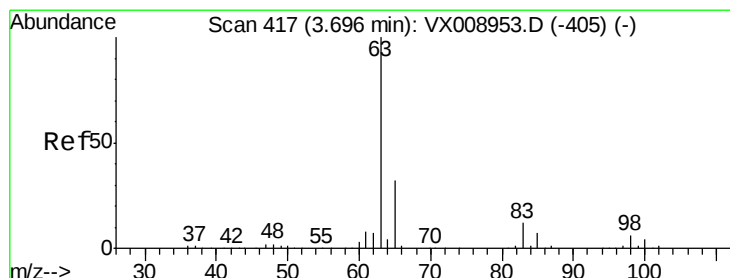
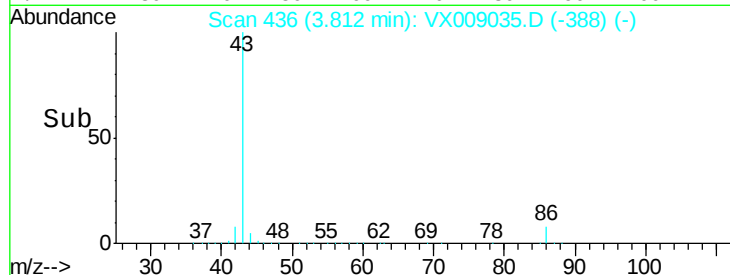
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.981 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

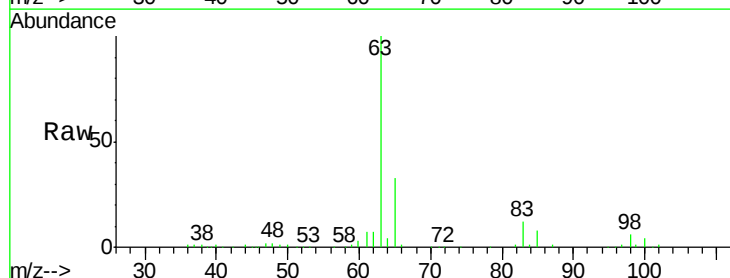
Tgt Ion: 63 Resp: 97302

Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.3

100 4.1 1.9 5.7



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

50000

40000

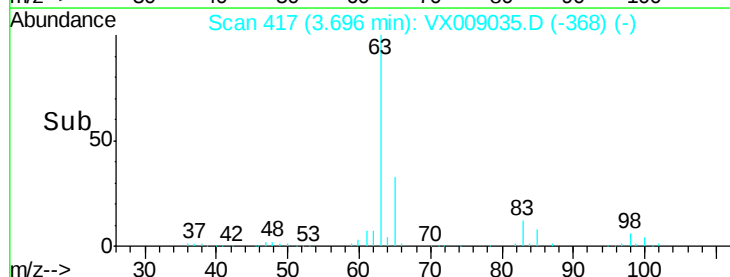
30000

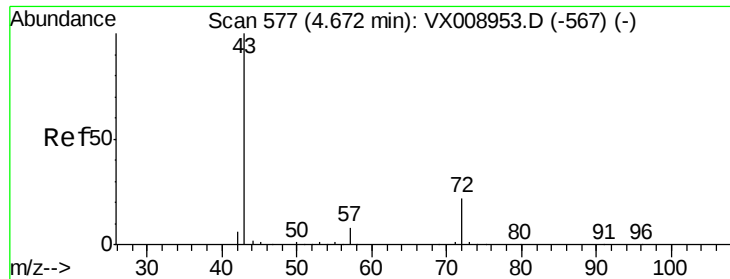
20000

10000

0

Time-->





#25

2-Butanone

Concen: 107.254 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 43 Resp: 267353

Ion Ratio Lower Upper

43 100

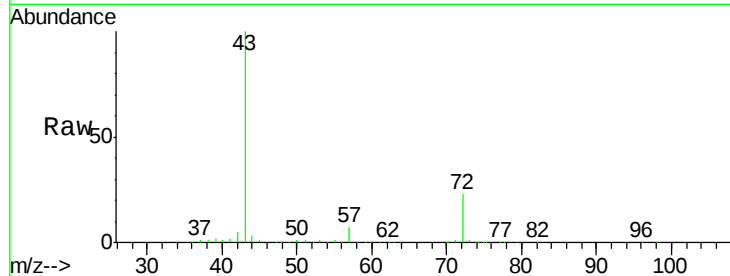
72 22.5 17.5 26.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

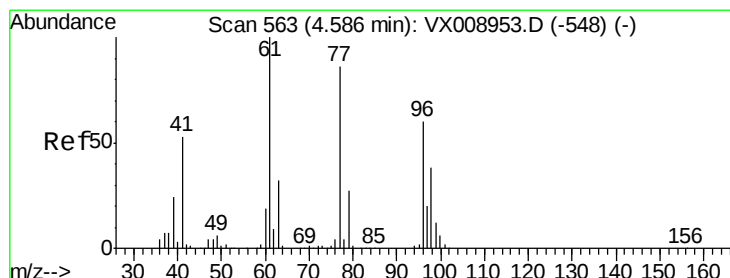
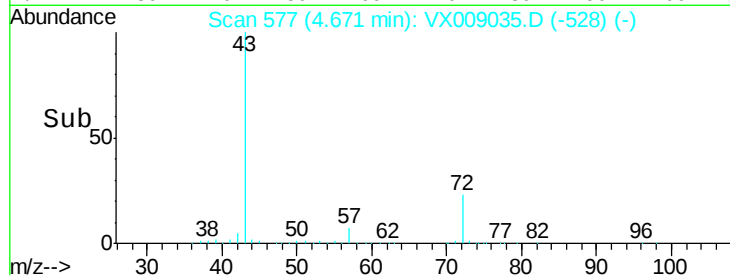
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 19.000 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009035.D

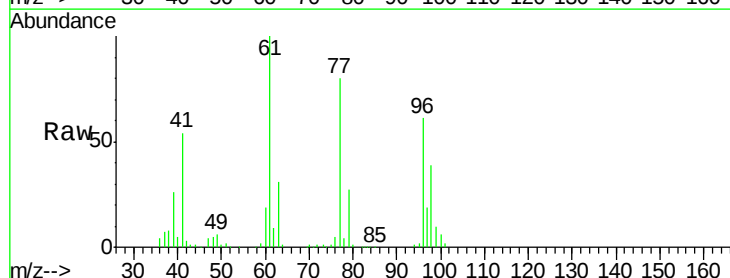
Acq: 18 Apr 2019 11:50

Tgt Ion: 77 Resp: 69356

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

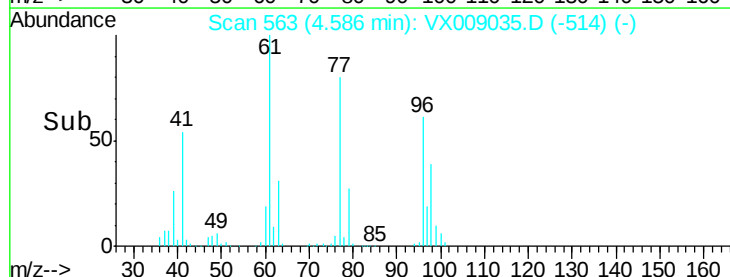
10000

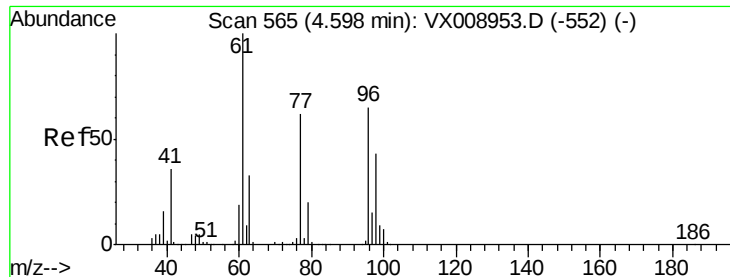
5000

0

Time-->

4.50 4.60 4.70





#27

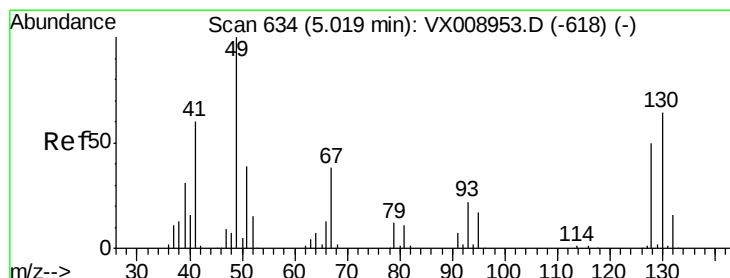
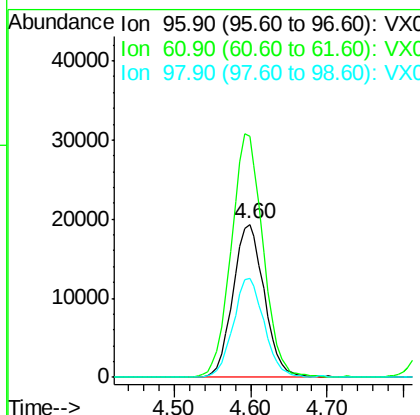
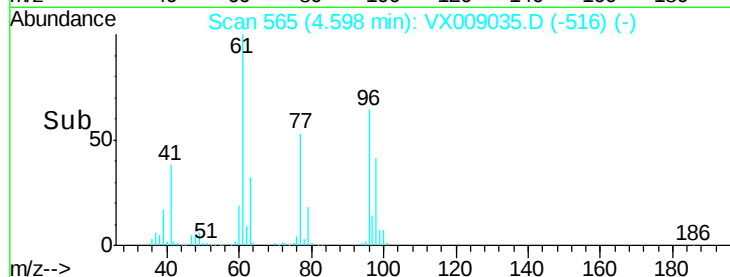
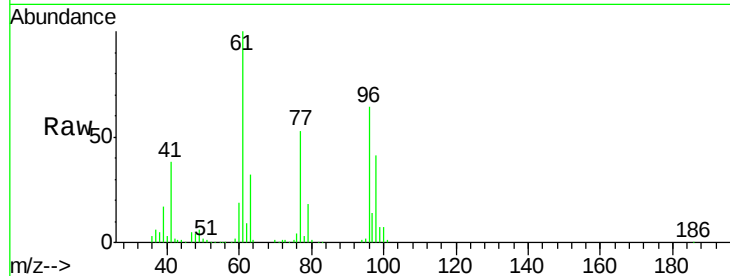
cis-1,2-Dichloroethene
 Concen: 19.839 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.2	0.0	322.0	
98	63.9	0.0	128.4	

Manual Integrations
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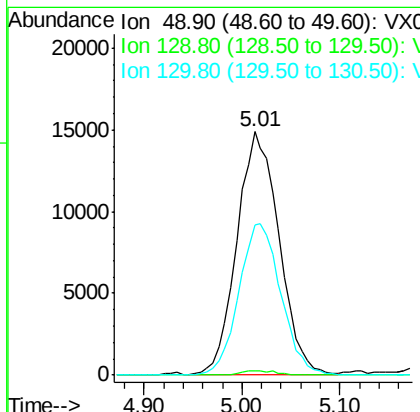
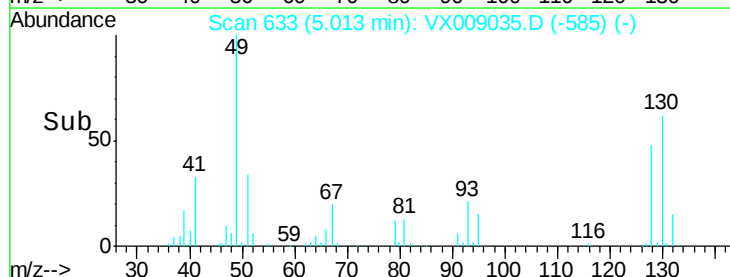
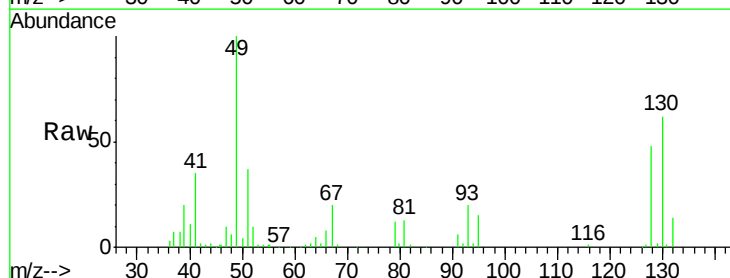
MMDadoda
 4/19/2019 9:11:55 AM

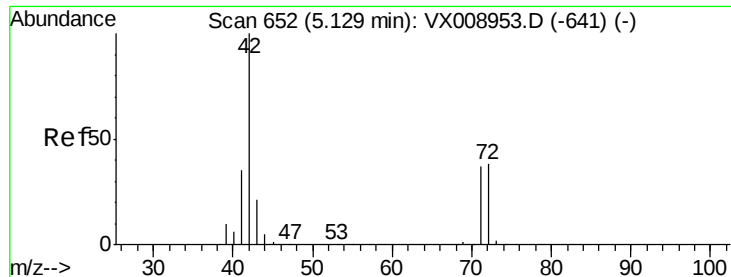


#28

Bromochloromethane
 Concen: 20.954 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.6	
130	61.7	50.4	75.6	





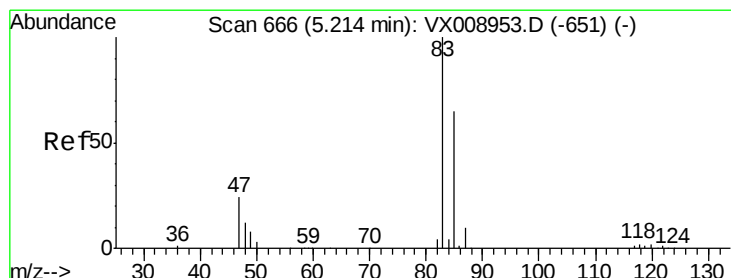
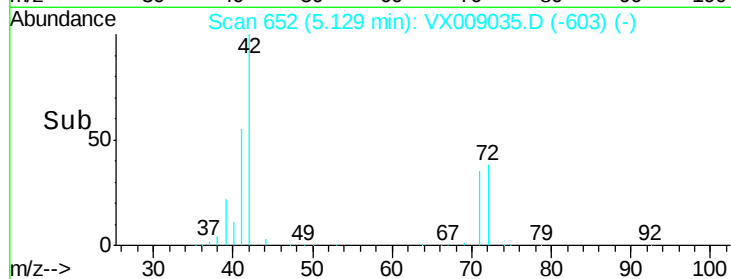
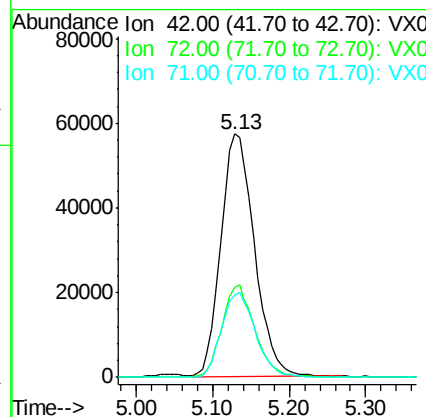
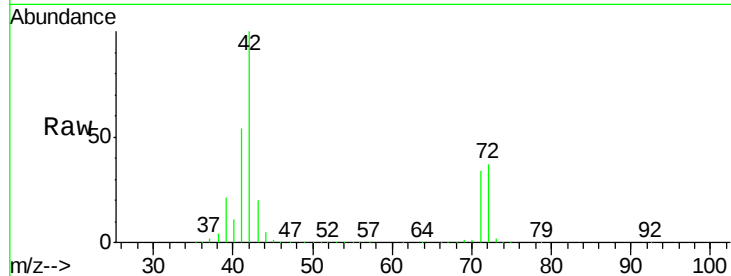
#29
Tetrahydrofuran
Concen: 104.458 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.6	45.8
71	35.4	28.8	43.2

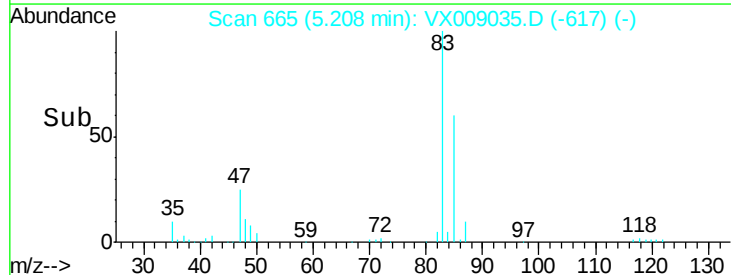
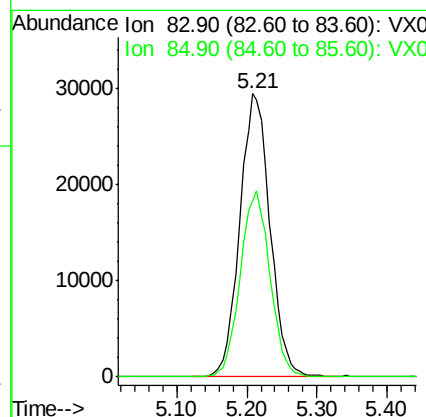
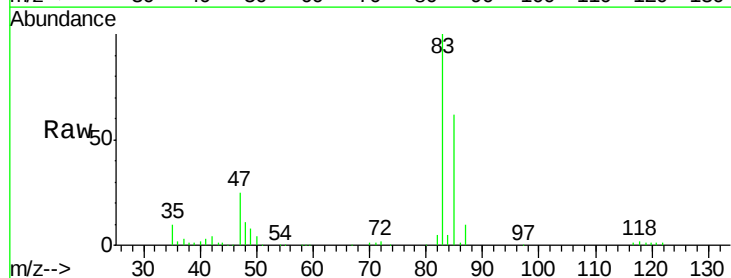
Manual Integrations
APPROVED

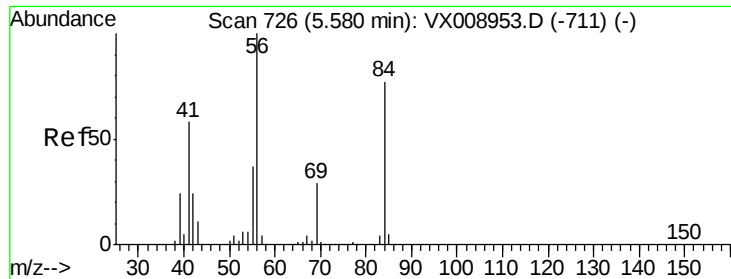
MMDadoda
4/19/2019 9:11:55 AM



#30
Chloroform
Concen: 20.294 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.9	77.9





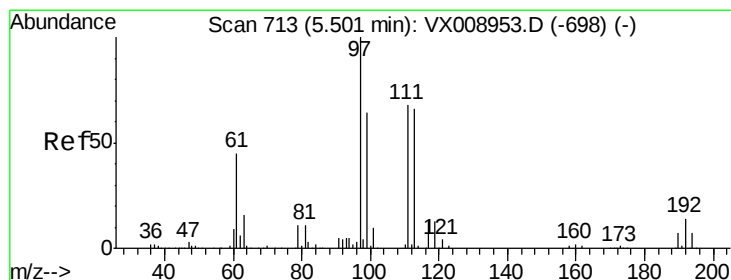
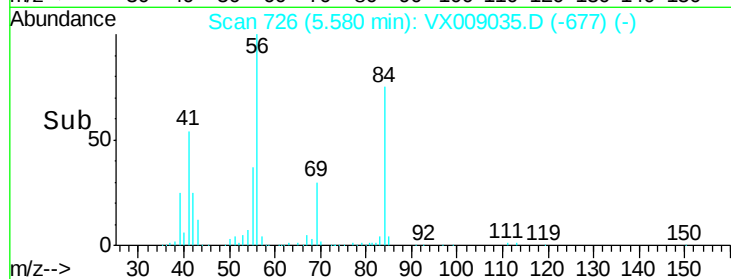
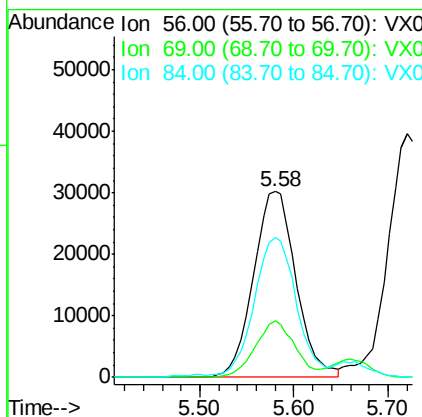
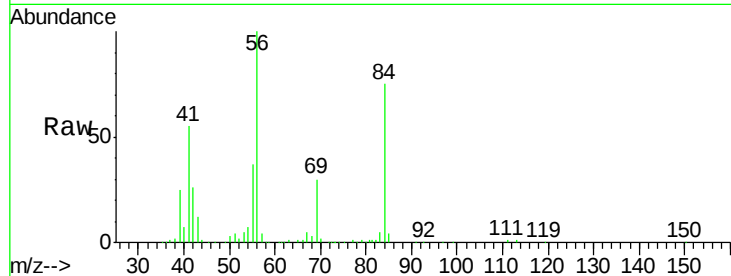
#31
Cyclohexane
Concen: 19.902 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.3	34.9
84	74.5	61.7	92.5

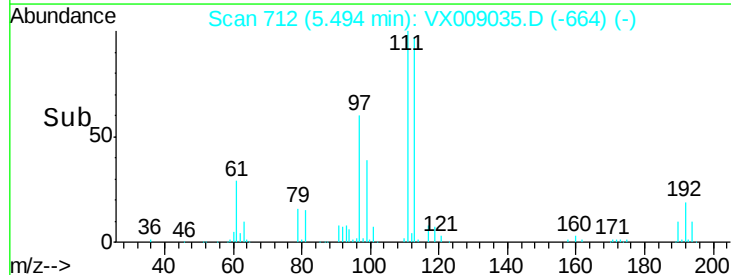
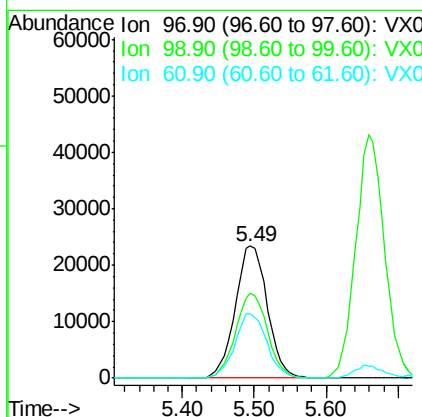
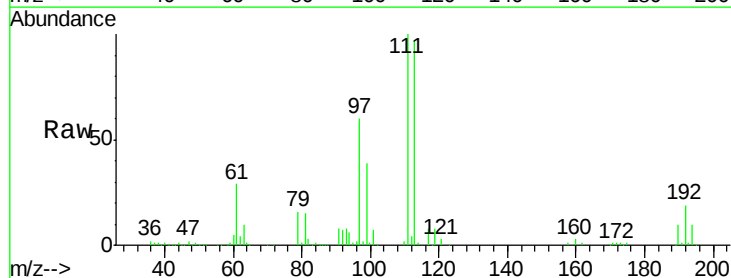
Manual Integrations
APPROVED

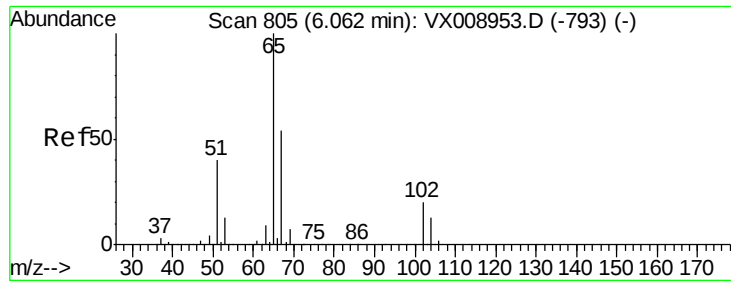
MMDadoda
4/19/2019 9:11:55 AM



#32
1,1,1-Trichloroethane
Concen: 19.992 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	49.0	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 50.220 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Tot Ion: 65 Resp: 151023

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.6

Instrument :

MSVOA_X

ClientSampleId :

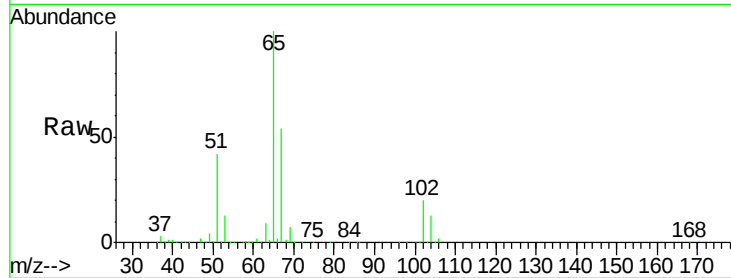
VX0418WBS01

Manual Integrations

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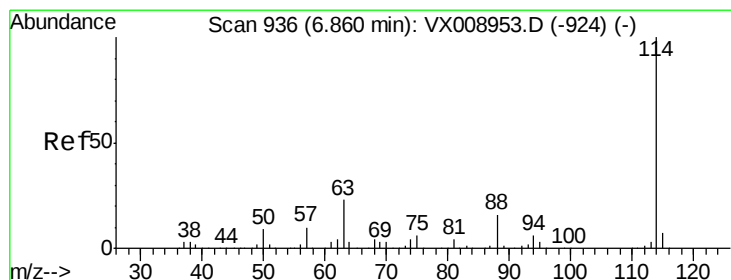
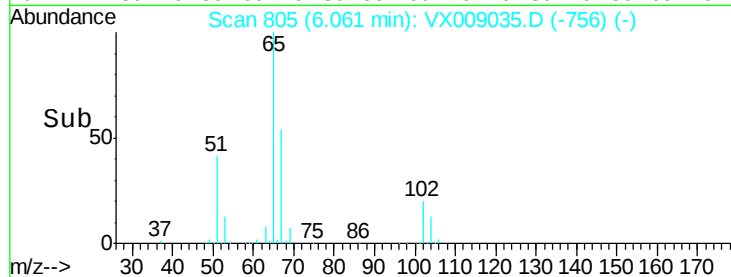
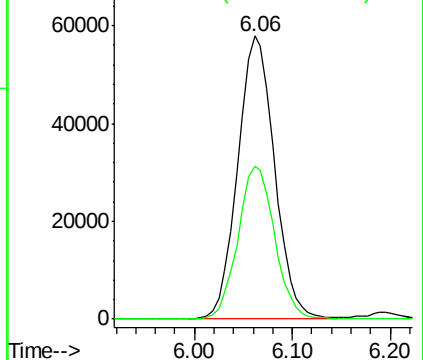
MMDadoda

4/19/2019 9:11:55 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

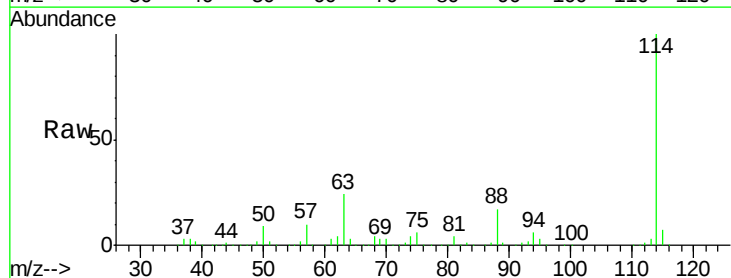
Tgt Ion: 114 Resp: 348572

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.0

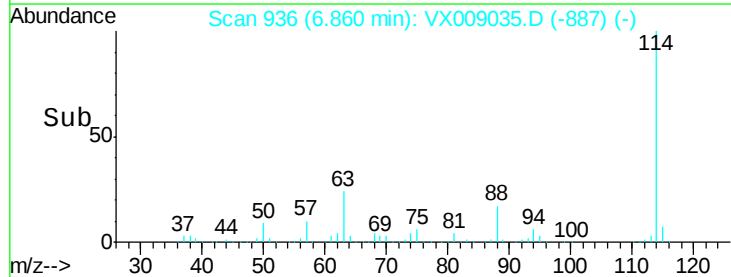
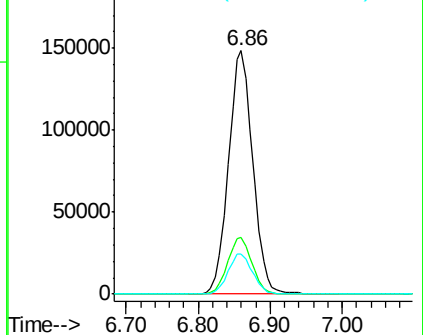
88 16.5 0.0 32.6

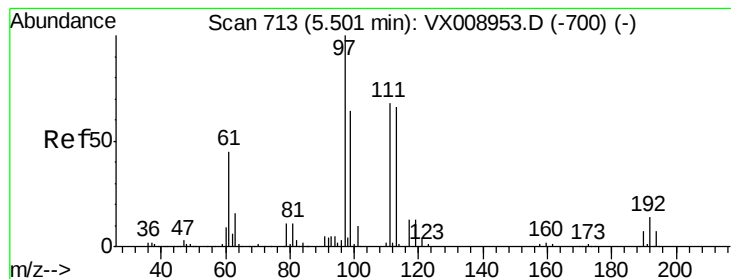


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.048 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

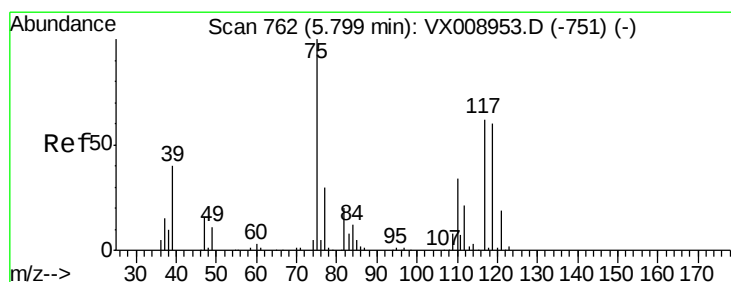
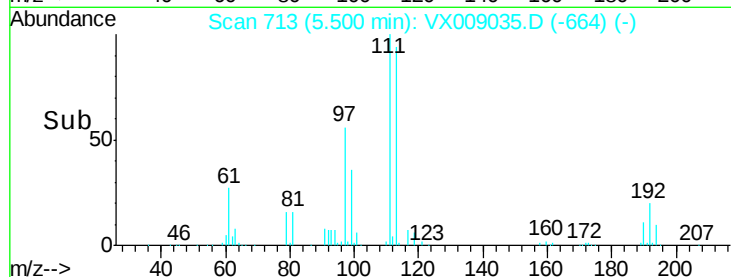
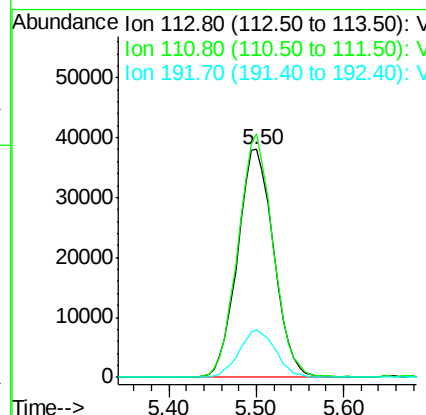
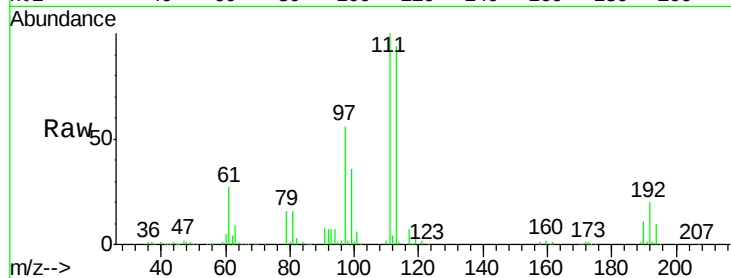
ClientSampleId :

VX0418WBS01

Tot Ion:	113	Resp:	109724
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.9	124.3
192	20.8	17.4	26.0

Manual Integrations
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4/19/2019 9:11:55 AM



#36

1,1-Dichloropropene

Concen: 18.632 ug/l

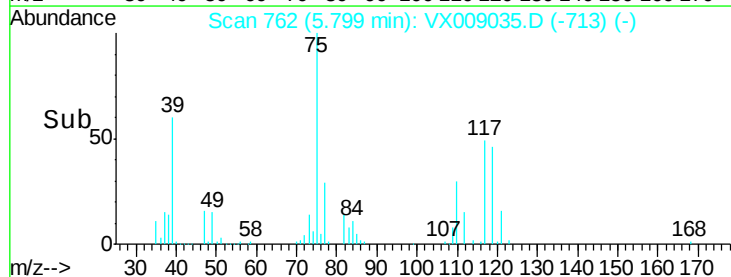
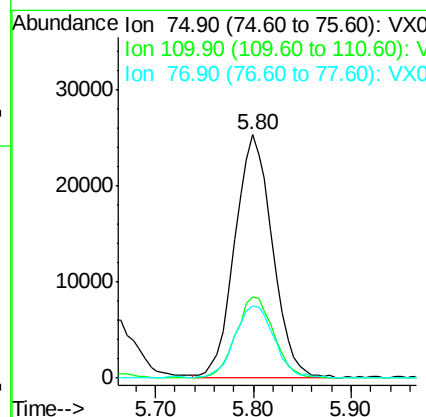
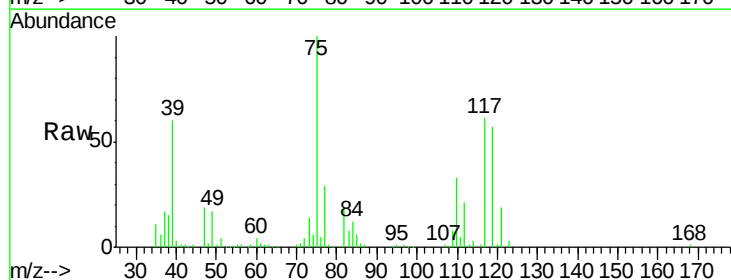
RT: 5.80 min Scan# 762

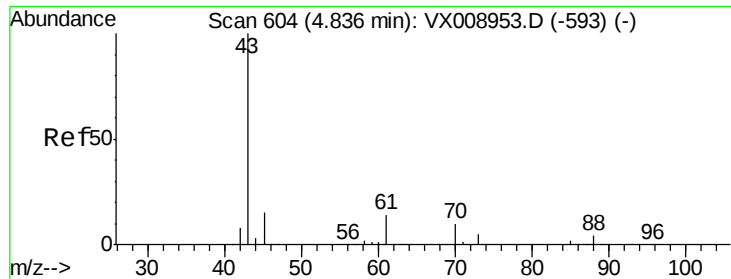
Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Tgt Ion:	75	Resp:	67167
Ion Ratio	Lower	Upper	
75	100		
110	33.9	16.9	50.7
77	31.8	25.0	37.4





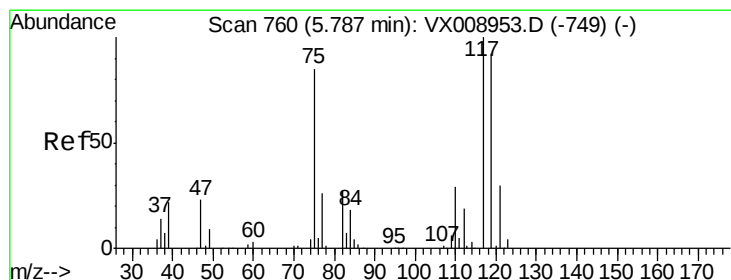
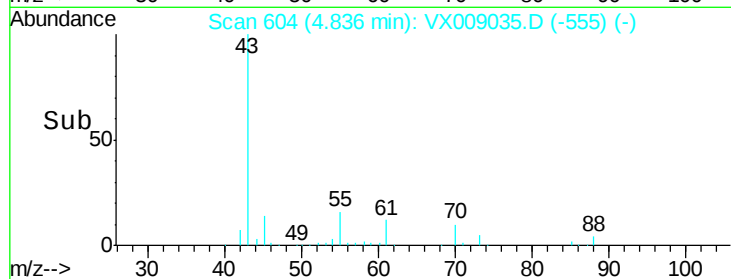
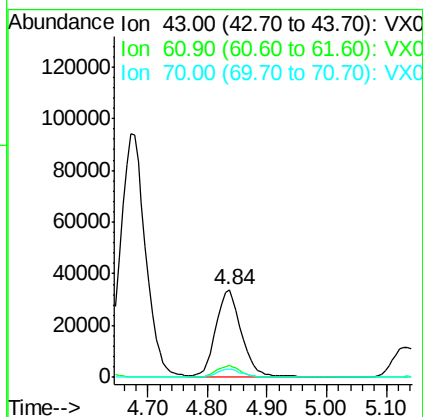
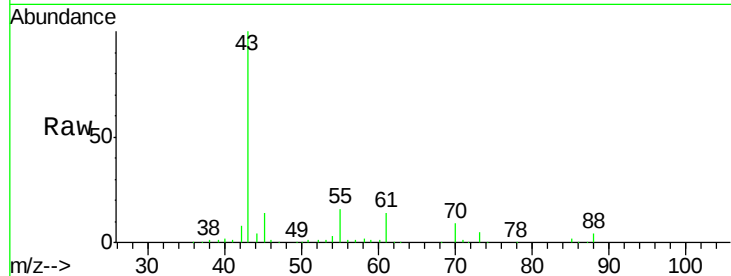
#37
Ethyl Acetate
Concen: 21.592 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	15.8
70	9.4	7.7	11.5

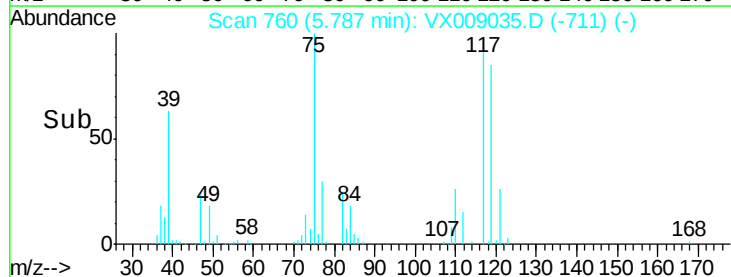
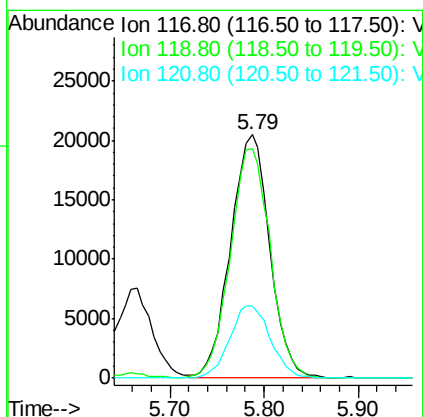
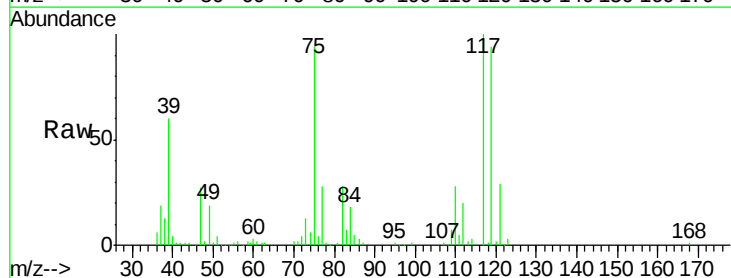
Manual Integrations
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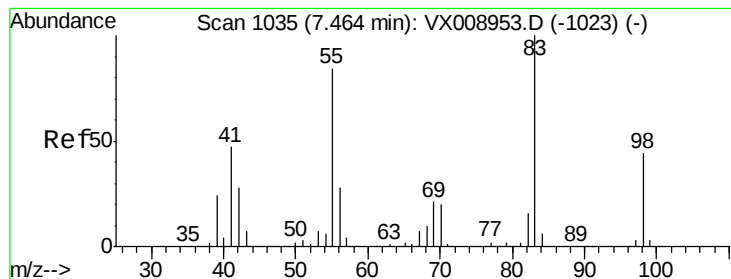
MMDadoda
4/19/2019 9:11:55 AM



#38
Carbon Tetrachloride
Concen: 19.454 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.8	110.8
121	29.4	23.6	35.4





#39

Methvlcvclohexane

Concen: 18.782 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 83 Resp: 82438

Ion Ratio Lower Upper

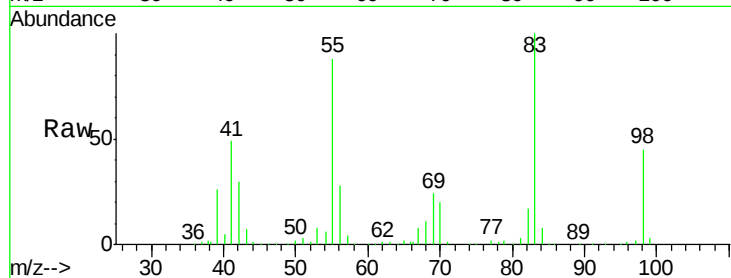
83 100

55 88.4 67.1 100.7

98 44.5 35.1 52.7

Manual Integrations
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MMDadoda
4/19/2019 9:11:55 AM

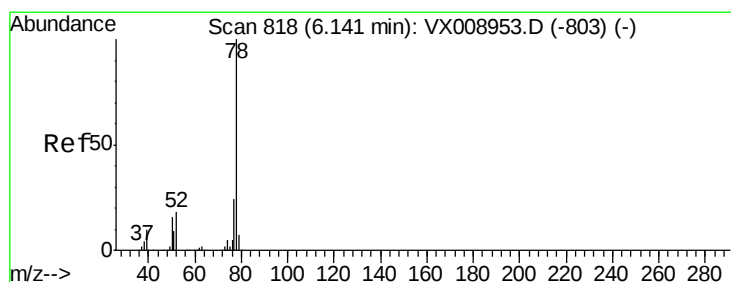
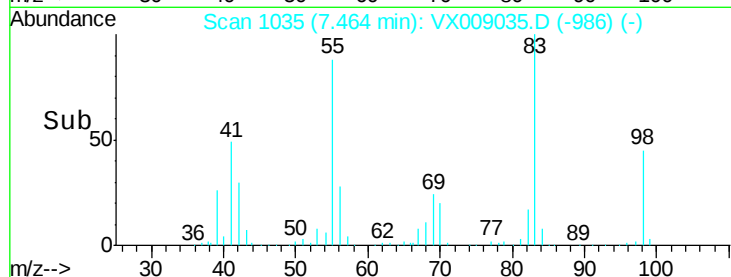
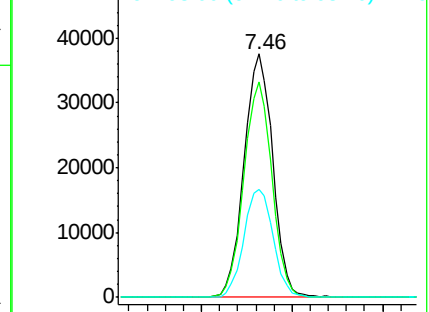


Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 19.786 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009035.D

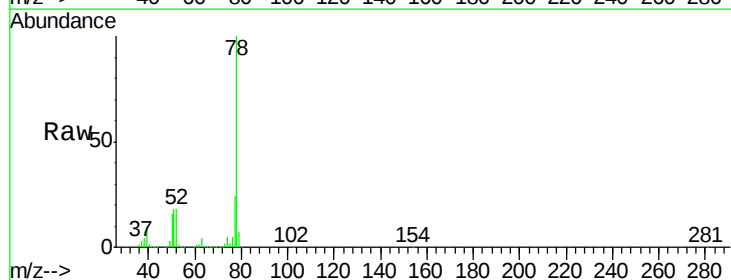
Acq: 18 Apr 2019 11:50

Tgt Ion: 78 Resp: 210423

Ion Ratio Lower Upper

78 100

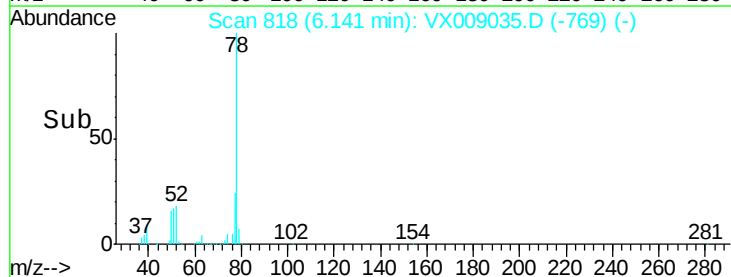
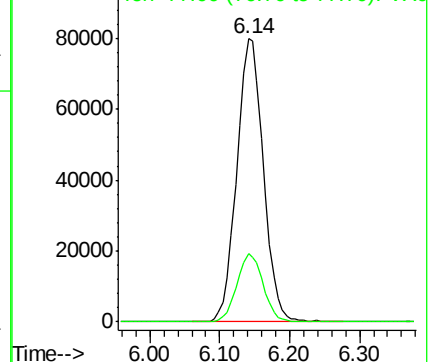
77 24.4 19.0 28.6

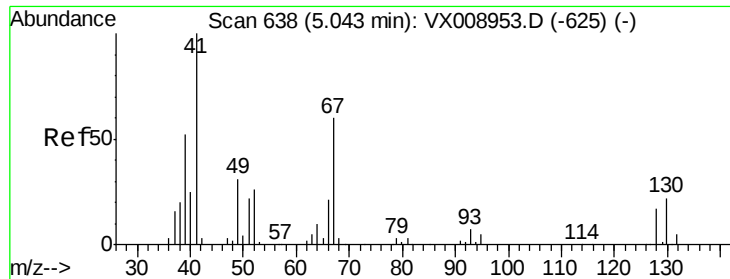


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





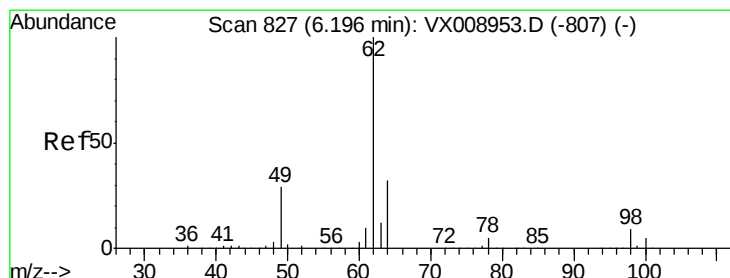
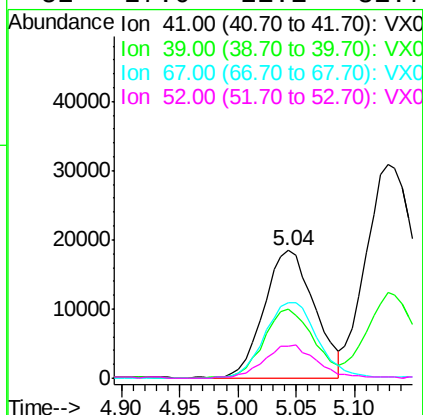
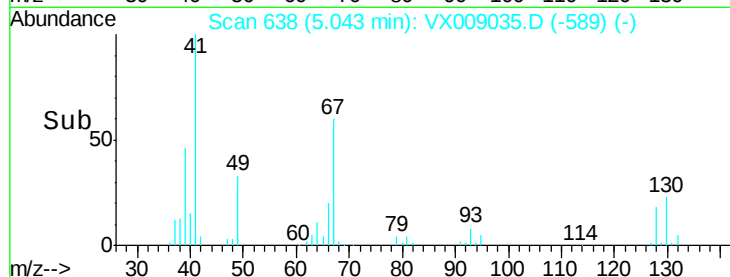
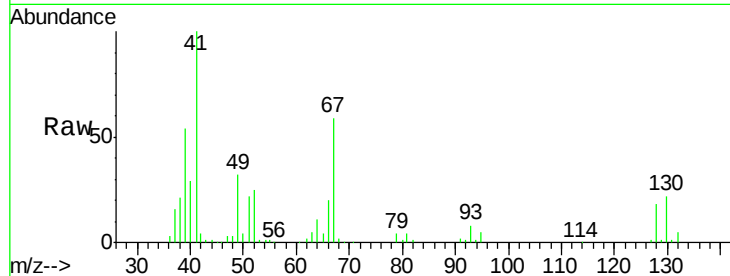
#41
Methacrylonitrile
Concen: 20.900 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	41.8	62.6	
67	62.5	50.2	75.4	
52	27.0	21.1	31.7	

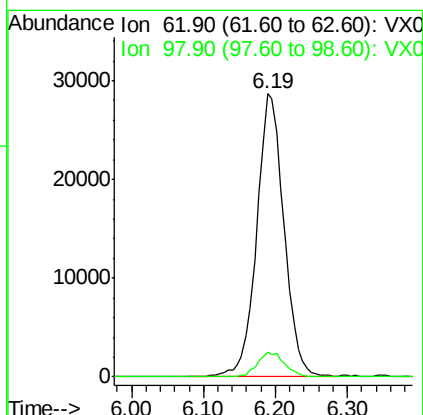
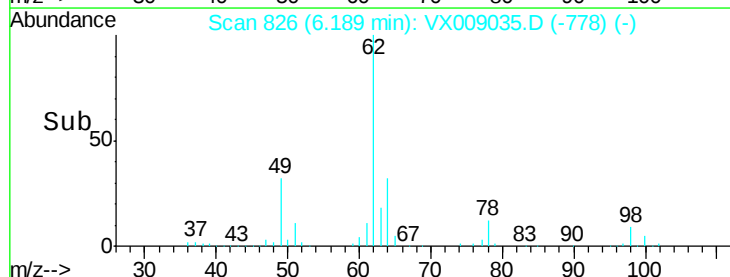
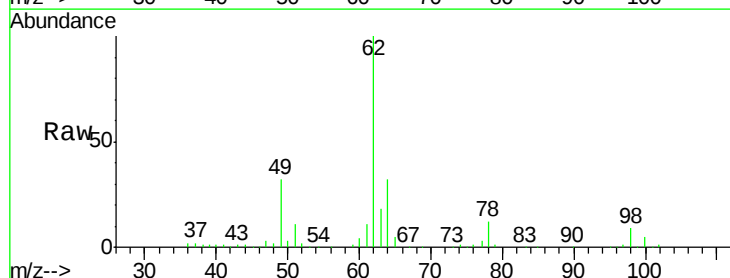
Manual Integrations
APPROVED

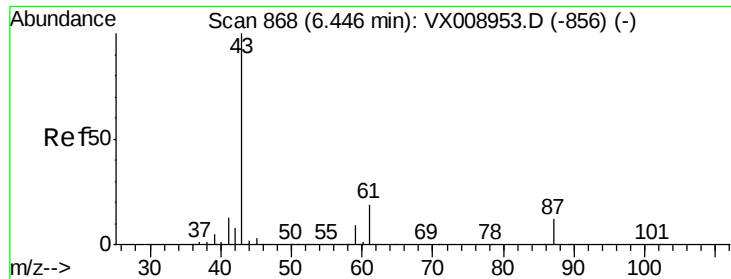
MMDadoda
4/19/2019 9:11:55 AM



#42
1,2-Dichloroethane
Concen: 20.114 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.4	





#43

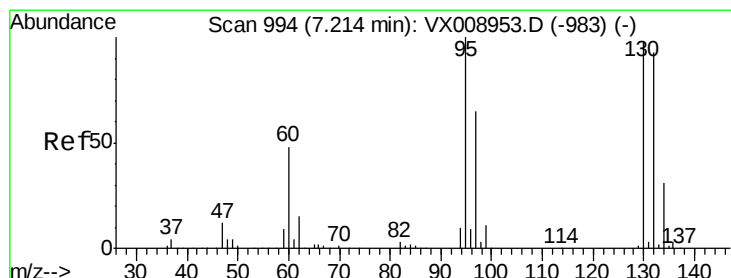
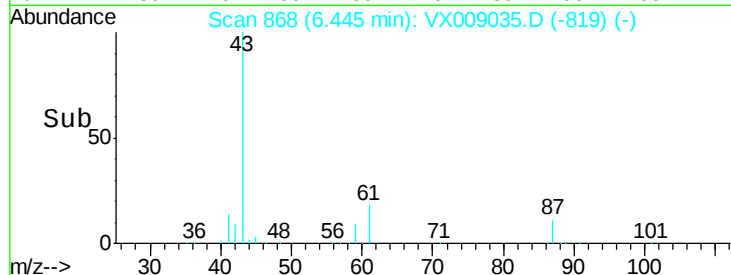
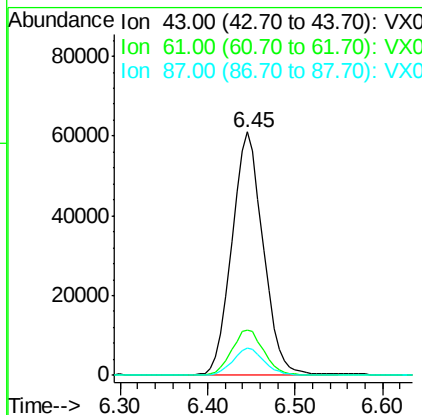
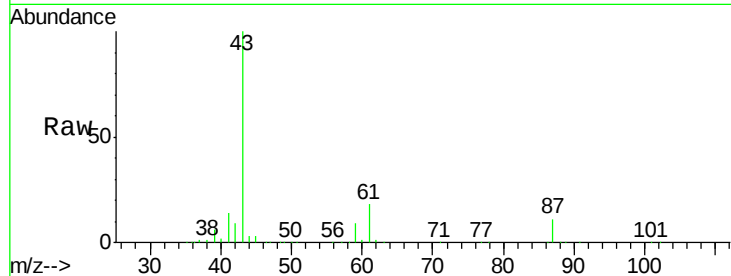
Isopropyl Acetate
 Concen: 20.237 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
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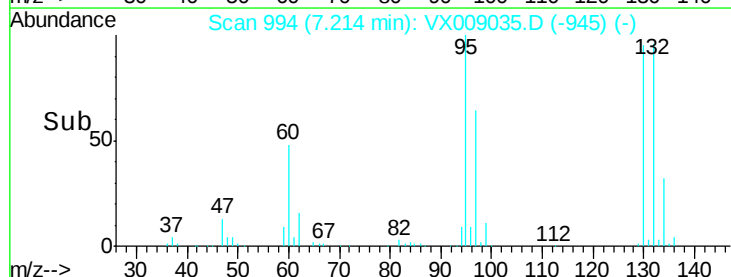
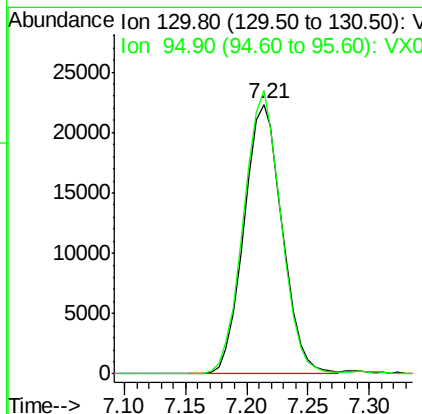
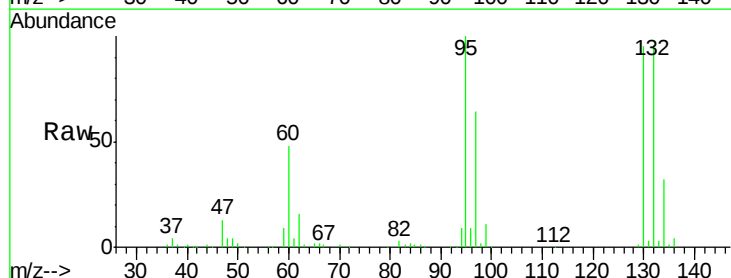
MMDadoda
 4/19/2019 9:11:55 AM

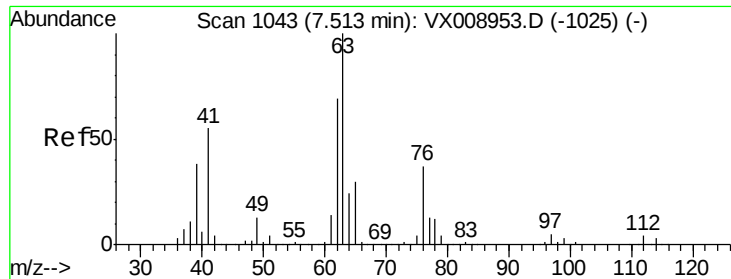


#44

Trichloroethene
 Concen: 18.594 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	203.2





#45

1,2-Dichloropropane

Concen: 20.011 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 63 Resp: 59041

Ion Ratio Lower Upper

63 100

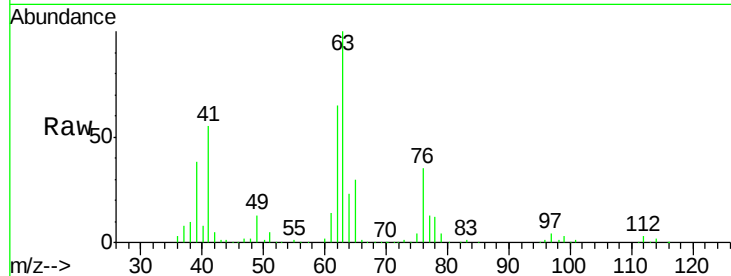
65 29.2 24.1 36.1

Manual Integrations

APPROVED

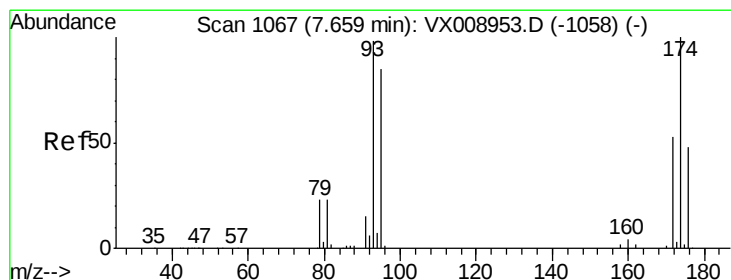
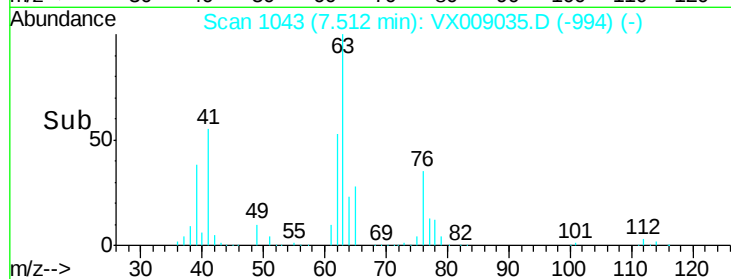
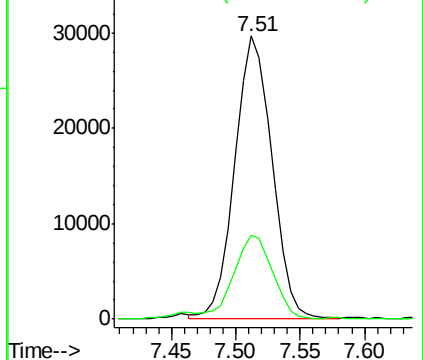
MMDadoda

4/19/2019 9:11:55 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.903 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

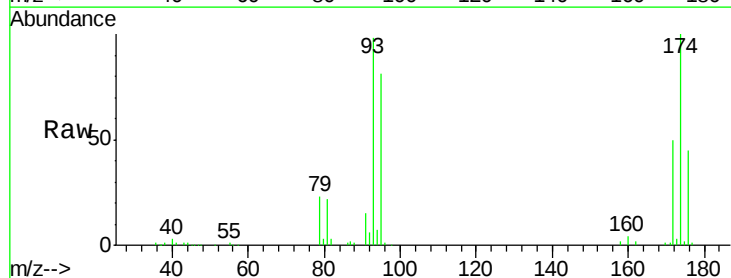
Tgt Ion: 93 Resp: 34174

Ion Ratio Lower Upper

93 100

95 82.6 67.0 100.4

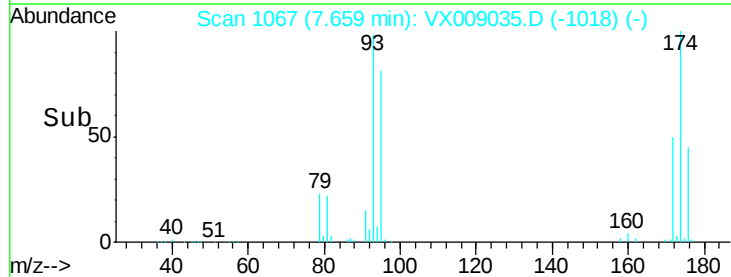
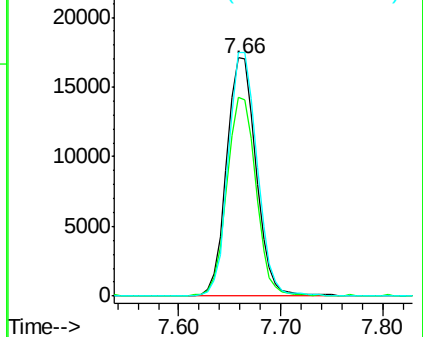
174 99.9 81.6 122.4

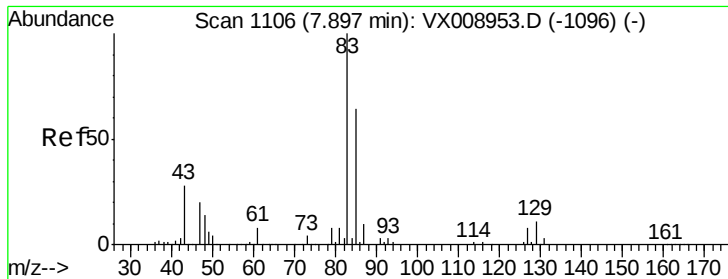


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.484 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

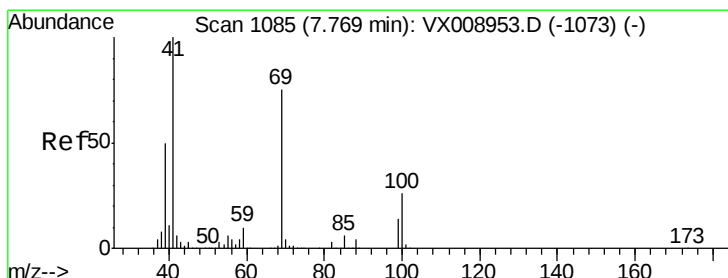
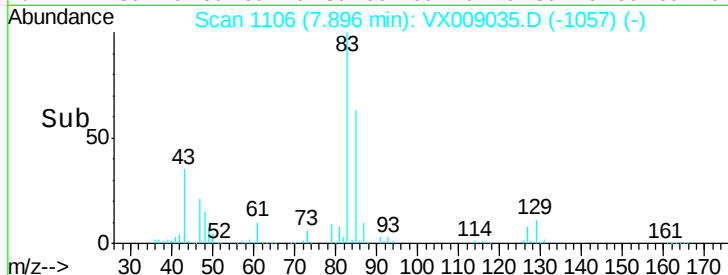
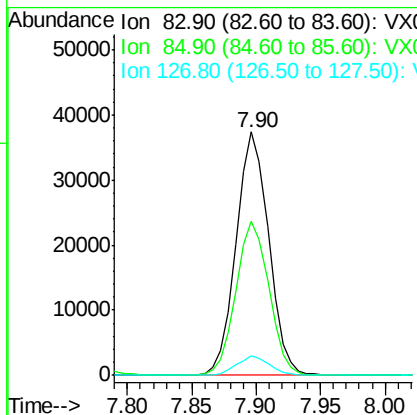
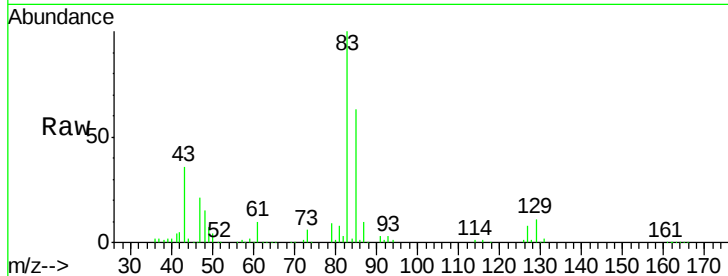
ClientSampleId :

VX0418WBS01

Tot Ion:	83	Resp:	65619
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.8	76.2
127	8.3	6.4	9.6

Manual Integrations
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4/19/2019 9:11:55 AM



#48

Methyl methacrylate

Concen: 20.607 ug/l

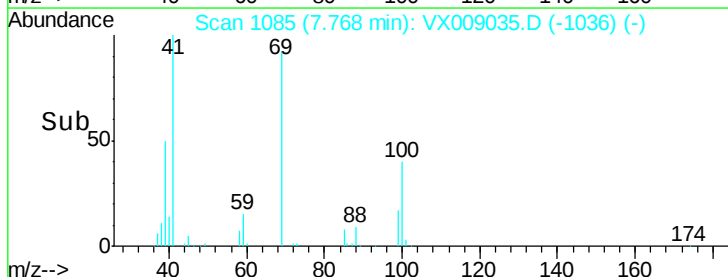
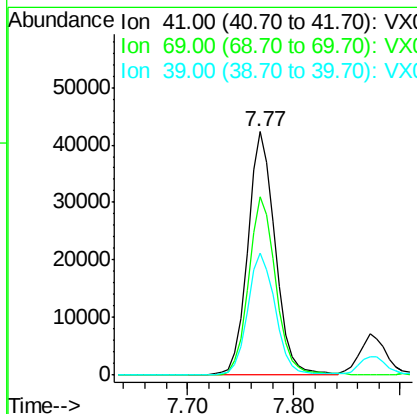
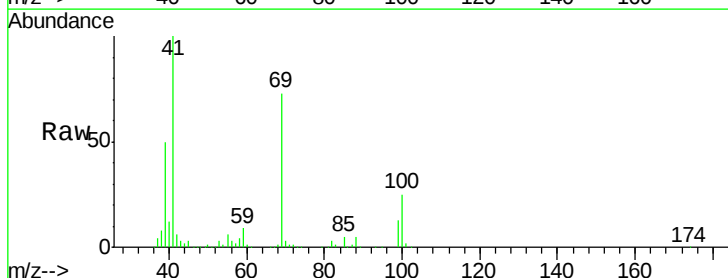
RT: 7.77 min Scan# 1085

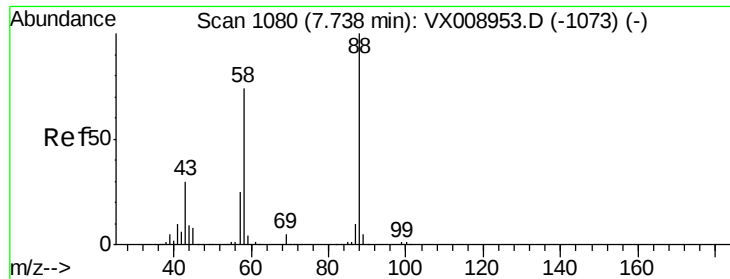
Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Tgt Ion:	41	Resp:	76116
Ion Ratio	Lower	Upper	
41	100		
69	73.0	59.4	89.2
39	50.5	39.8	59.6





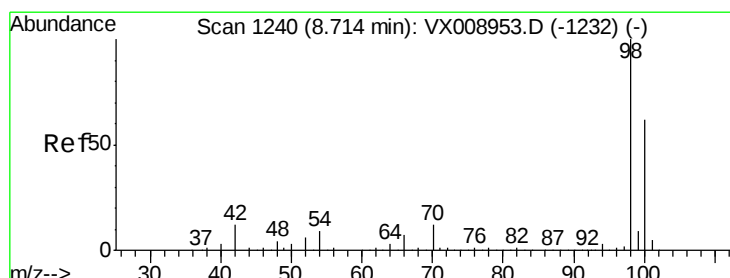
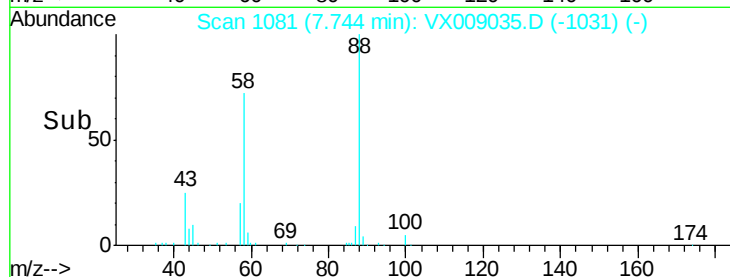
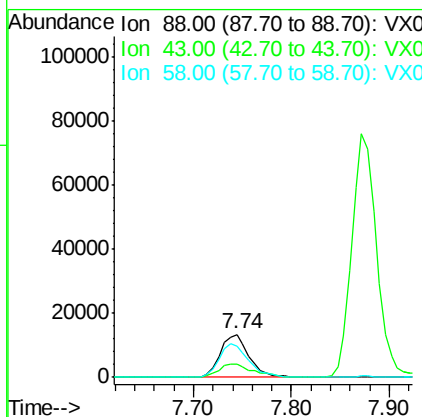
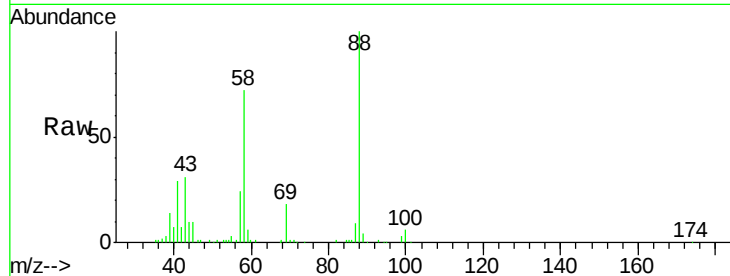
#49
1,4-Dioxane
Concen: 394.391 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.3	43.9
58	81.3	62.6	93.8

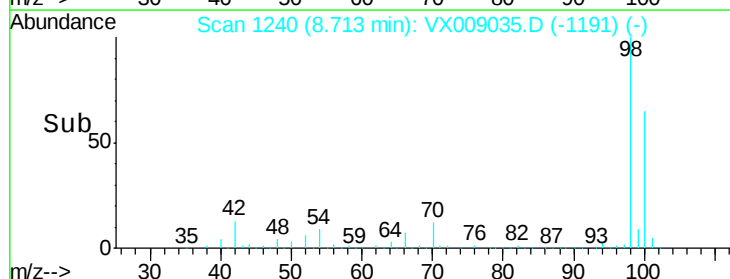
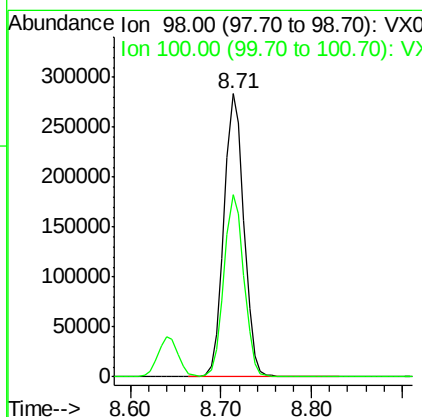
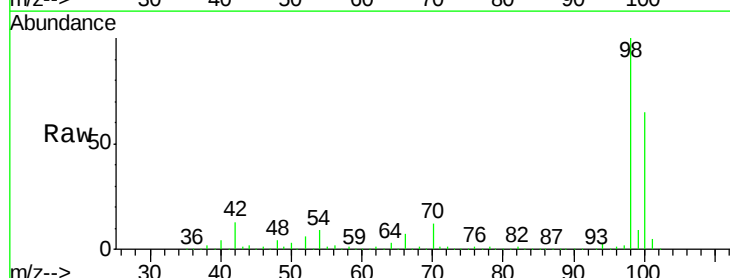
Manual Integrations
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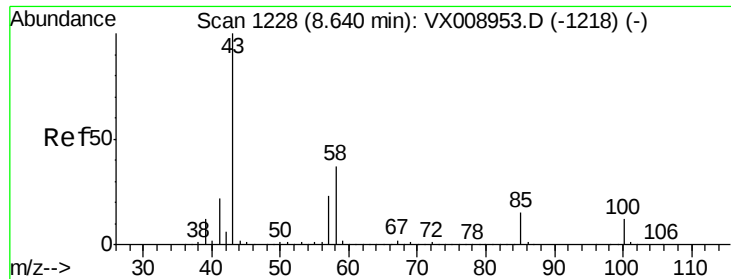
MMDadoda
4/19/2019 9:11:55 AM



#50
Toluene-d8
Concen: 48.909 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





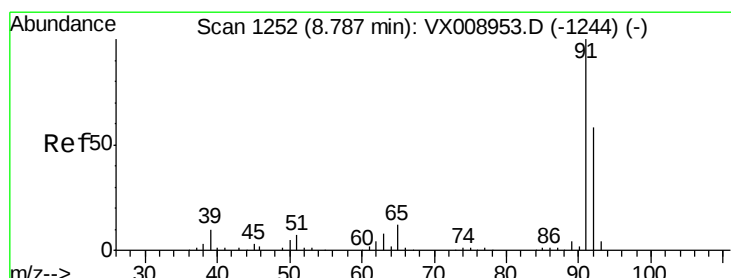
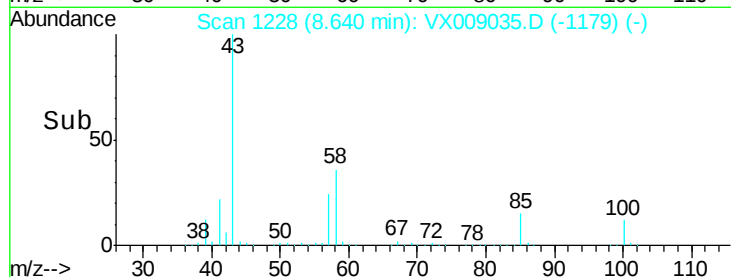
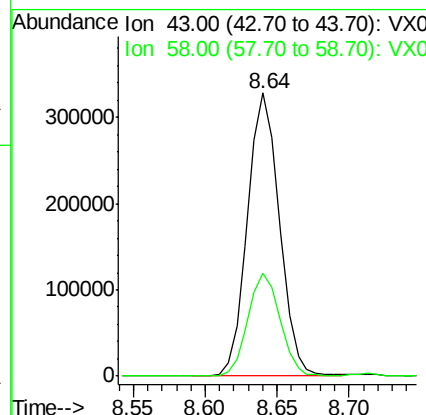
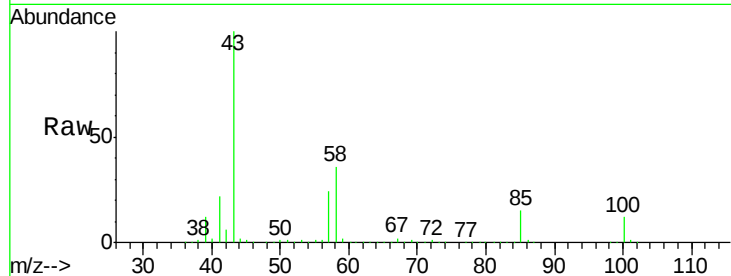
#51
4-Methyl-2-Pentanone
Concen: 105.766 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.6

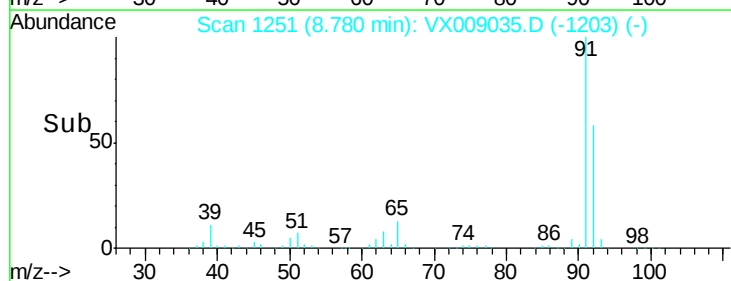
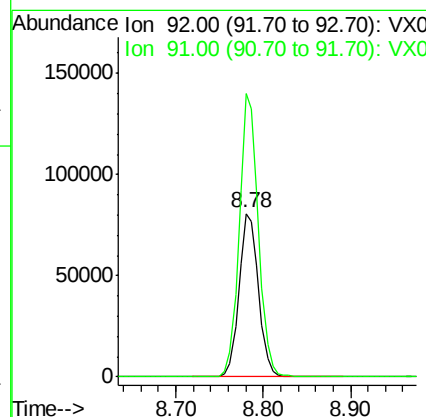
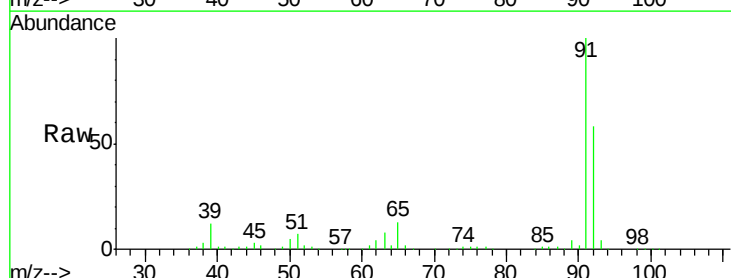
Manual Integrations
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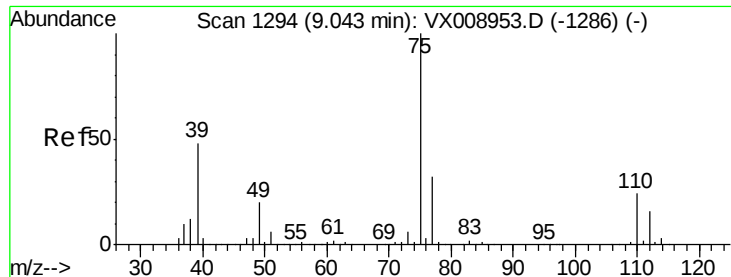
MMDadoda
4/19/2019 9:11:55 AM



#52
Toluene
Concen: 19.691 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	138.5	207.7





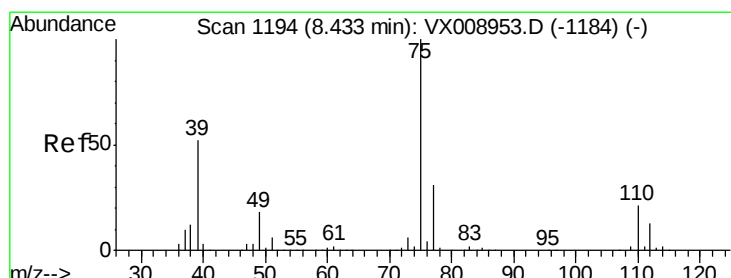
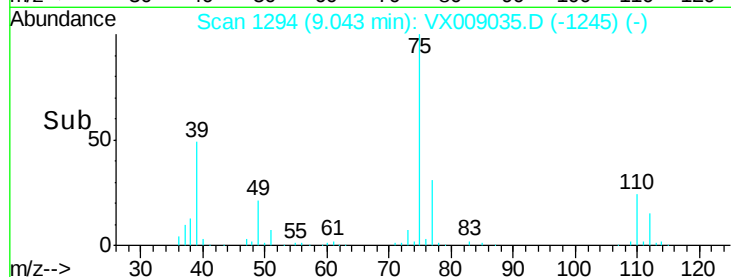
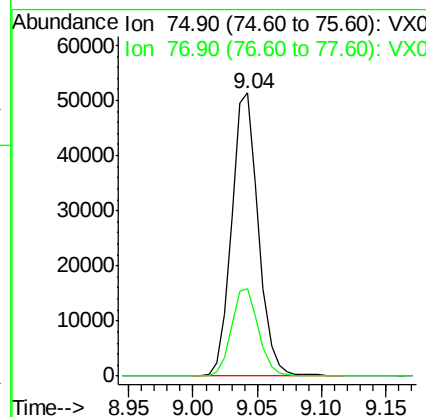
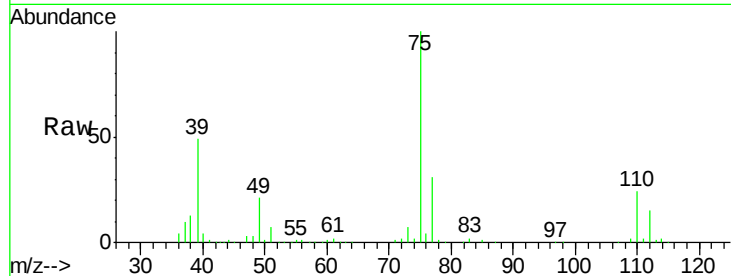
#53
 t-1,3-Dichloropropene
 Concen: 19.336 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion: 75 Resp: 74945
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.2

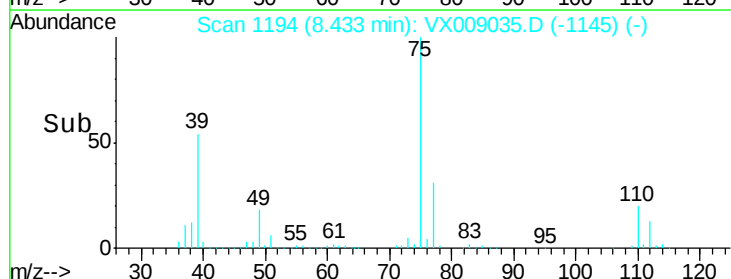
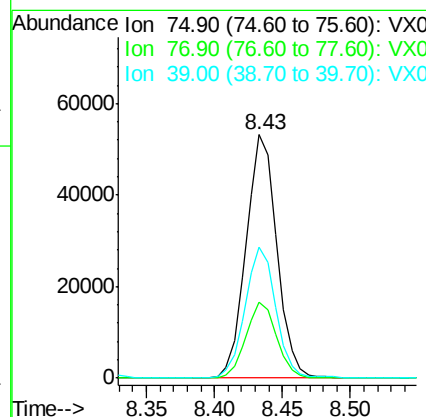
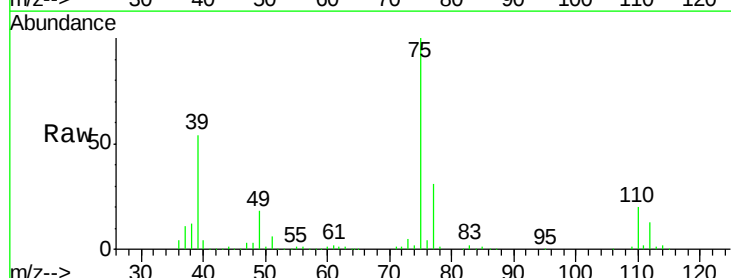
Manual Integrations
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 4/19/2019 9:11:55 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.466 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion: 75 Resp: 84480
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.8 37.2
 39 53.6 41.8 62.6





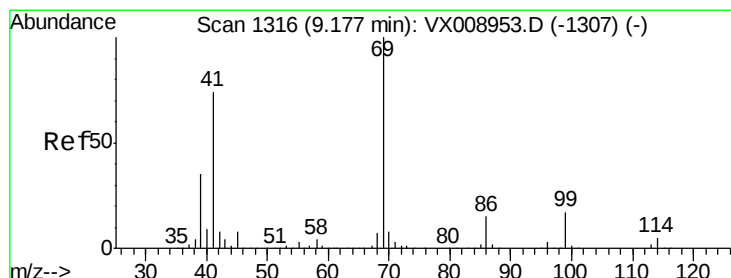
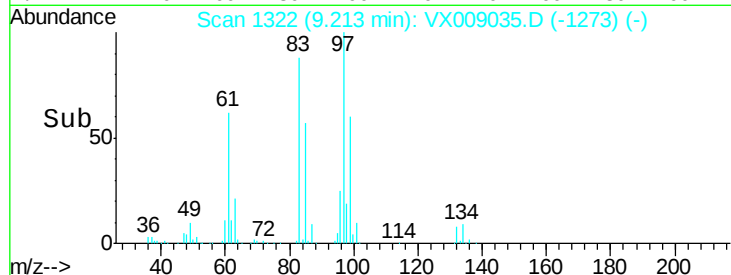
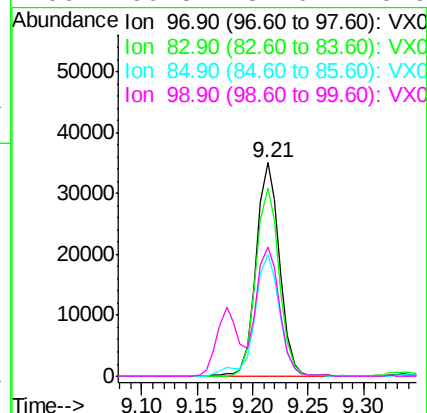
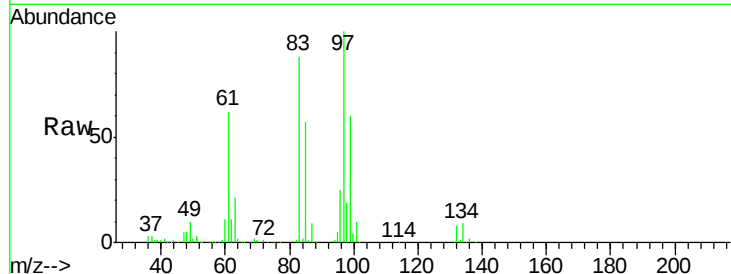
#55
 1,1,2-Trichloroethane
 Concen: 20.377 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	72.6	108.8
85	56.8	46.9	70.3
99	60.3	51.0	76.6

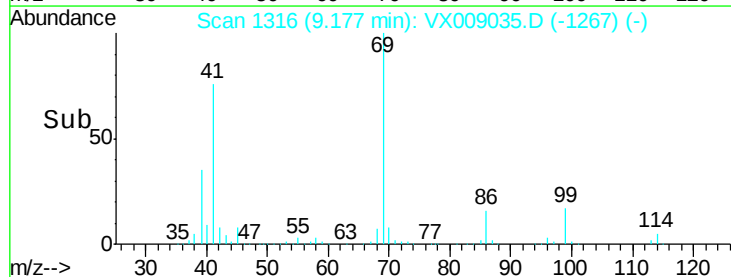
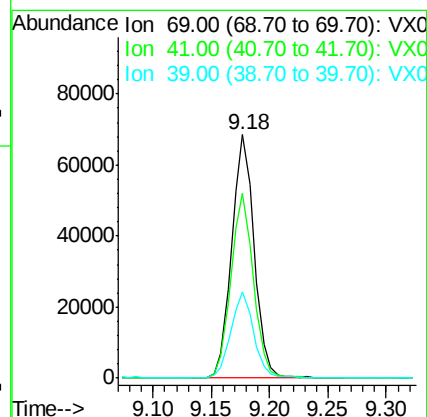
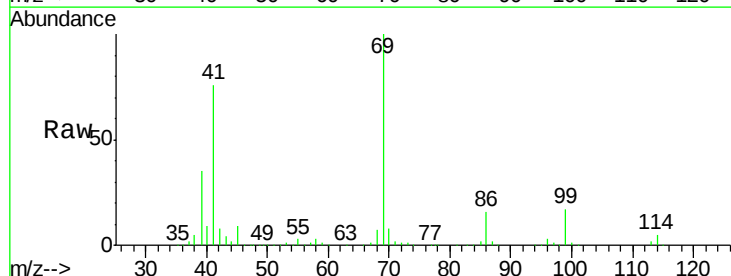
Manual Integrations
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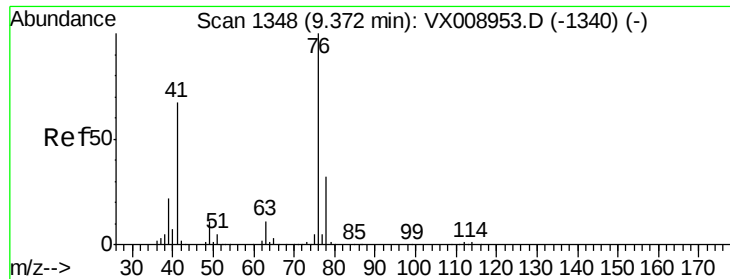
MMDadoda
 4/19/2019 9:11:55 AM



#56
 Ethyl methacrylate
 Concen: 20.287 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.2	90.2
39	35.2	27.9	41.9





#57

1,3-Dichloropropane

Concen: 20.231 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 76 Resp: 90992

Ion Ratio Lower Upper

76 100

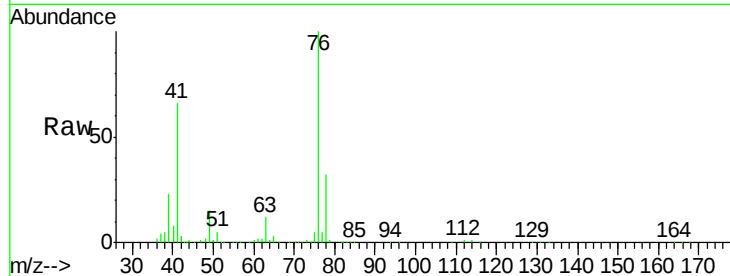
78 31.8 25.7 38.5

Manual Integrations

APPROVED

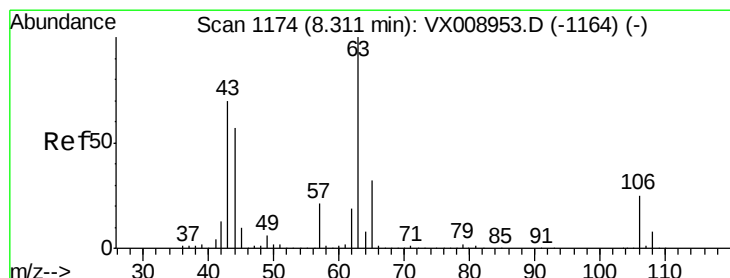
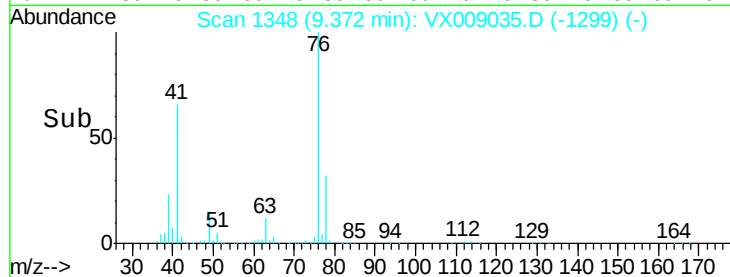
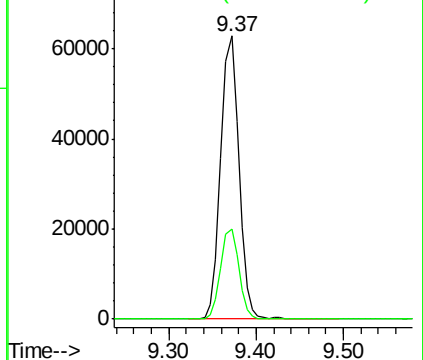
MMDadoda

4/19/2019 9:11:55 AM



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: 100.706 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009035.D

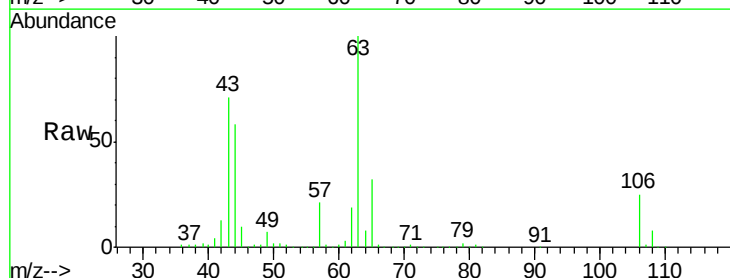
Acq: 18 Apr 2019 11:50

Tgt Ion: 63 Resp: 245636

Ion Ratio Lower Upper

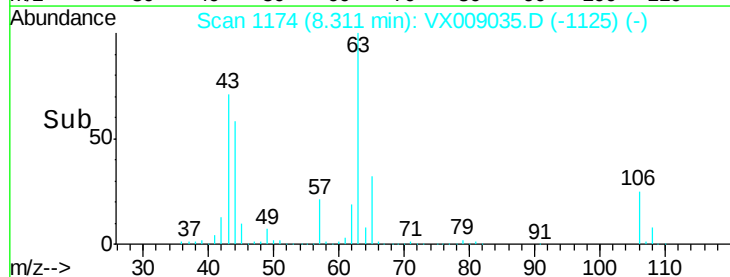
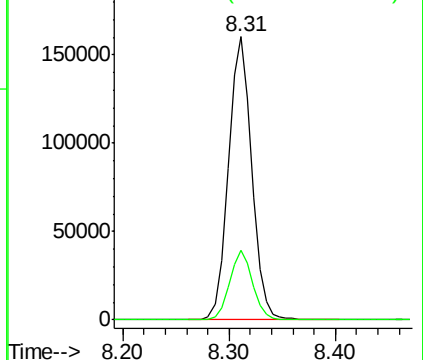
63 100

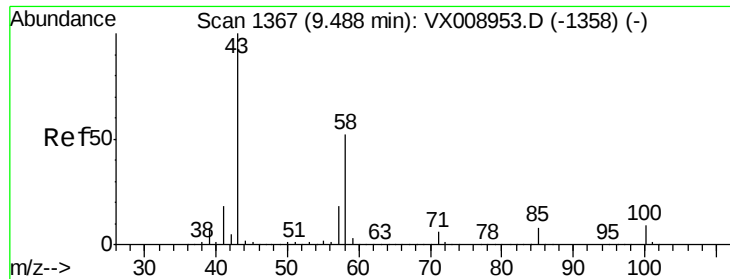
106 24.2 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





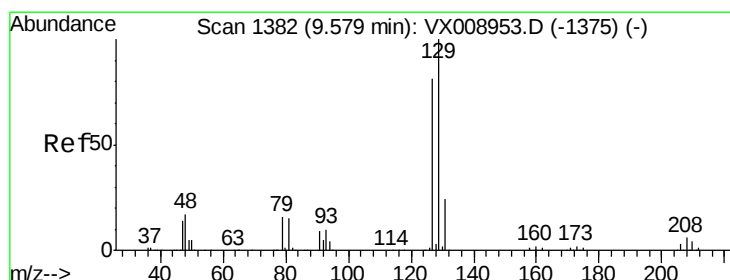
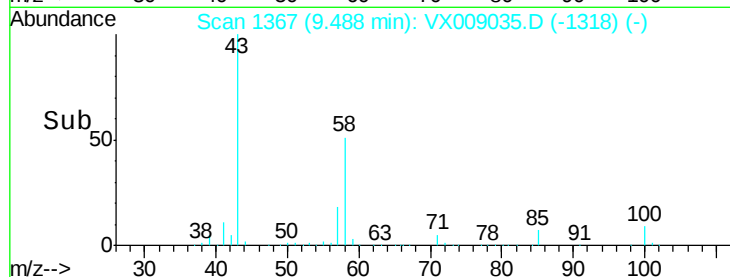
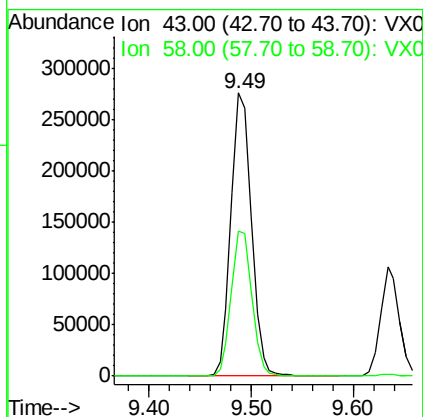
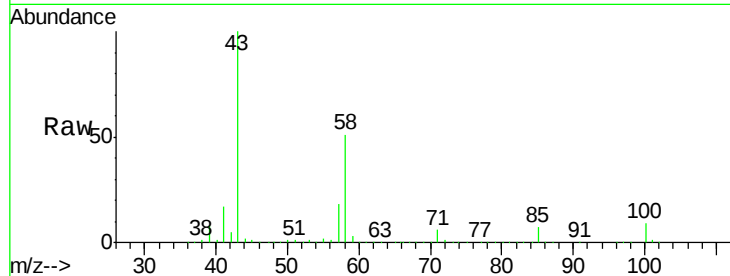
#59
2-Hexanone
Concen: 104.464 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion: 43 Resp: 383564
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.8

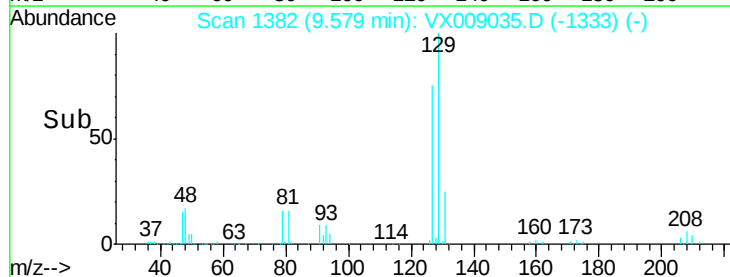
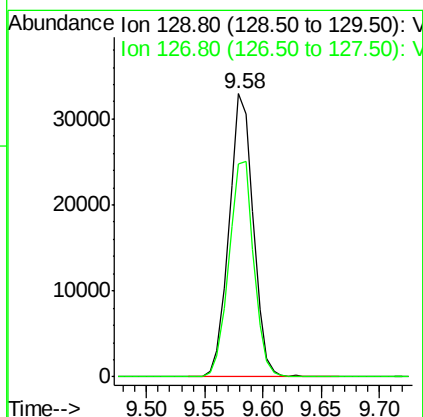
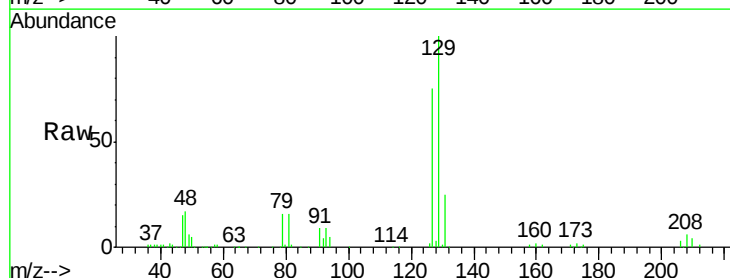
Manual Integrations
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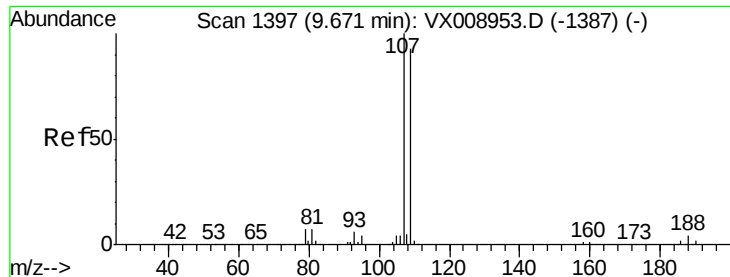
MMDadoda
4/19/2019 9:11:55 AM



#60
Dibromochloromethane
Concen: 19.672 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion: 129 Resp: 47626
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





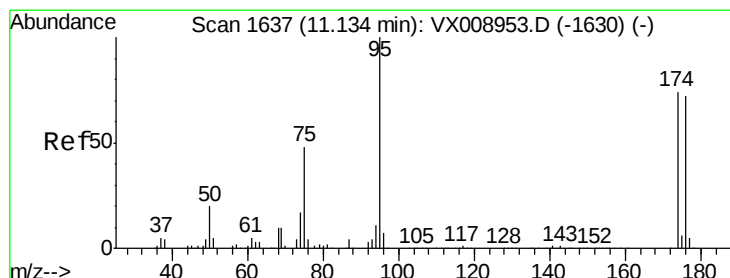
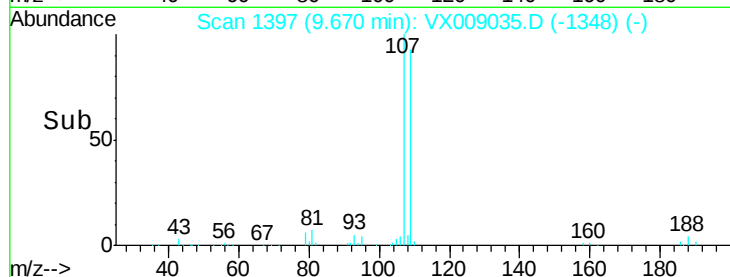
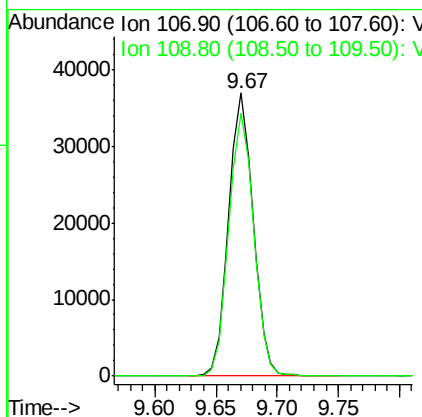
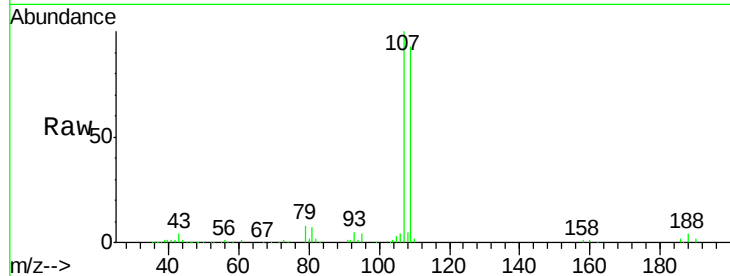
#61
 1,2-Dibromoethane
 Concen: 19.742 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.4	111.6

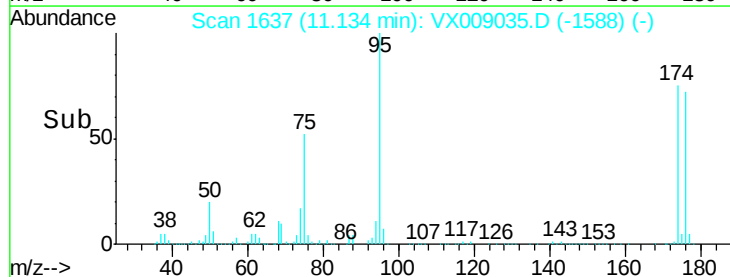
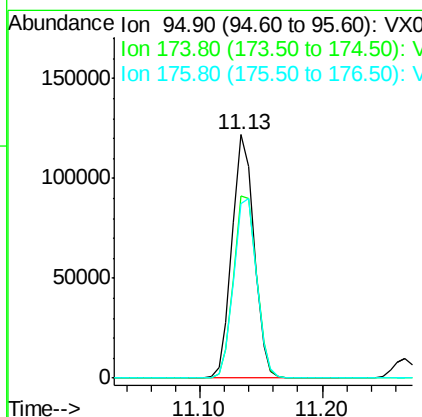
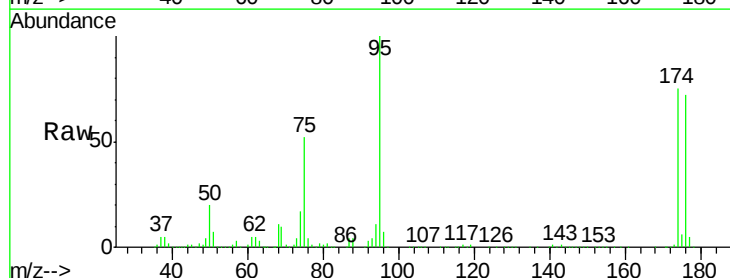
Manual Integrations
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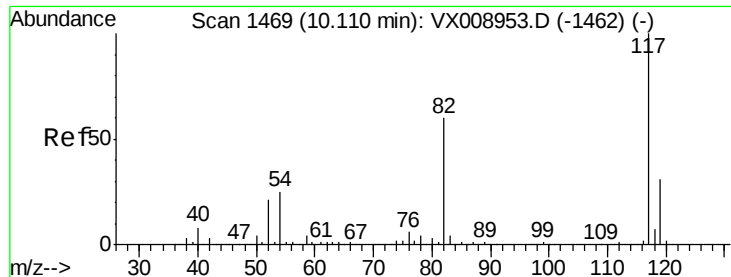
MMDadoda
 4/19/2019 9:11:55 AM



#62
 4-Bromofluorobenzene
 Concen: 48.065 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	159.6
176	76.7	0.0	154.8





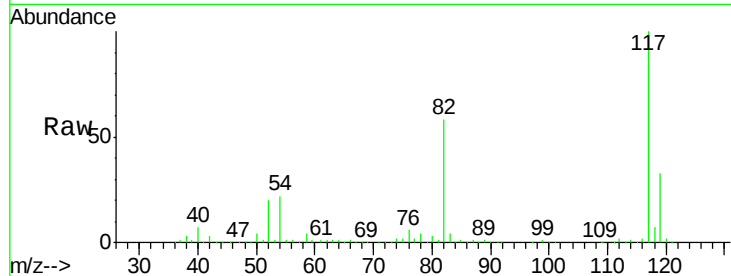
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	48.2	72.4
119	32.5	25.0	37.6

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MMDadoda
4/19/2019 9:11:55 AM

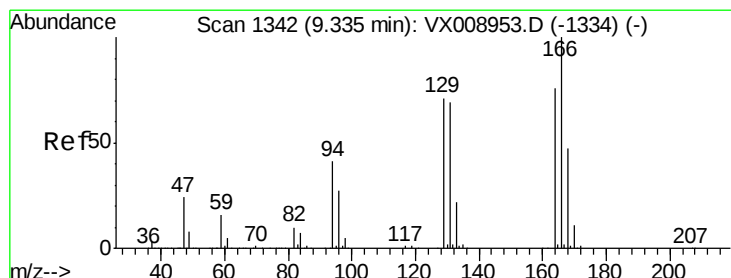
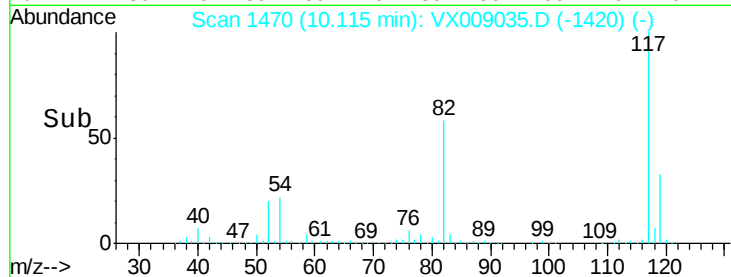
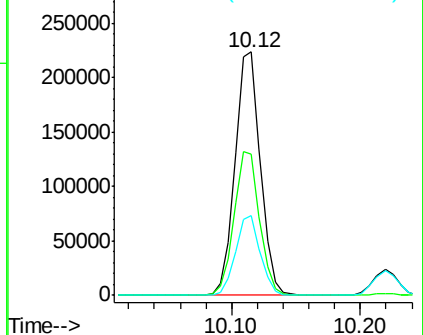


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.166 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	105.0	157.4
129	93.9	74.2	111.4
131	90.4	72.2	108.2

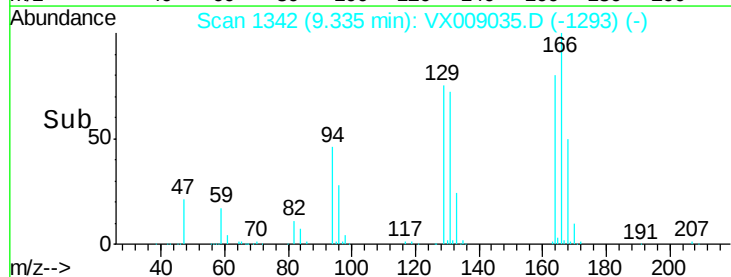
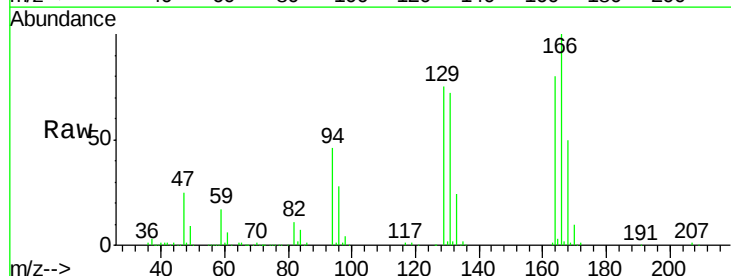
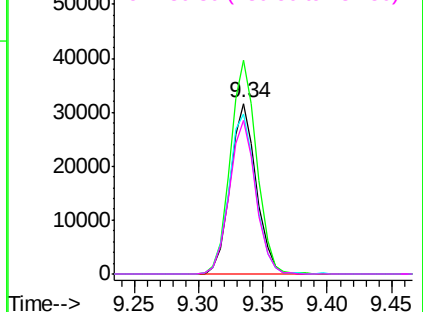
Abundance

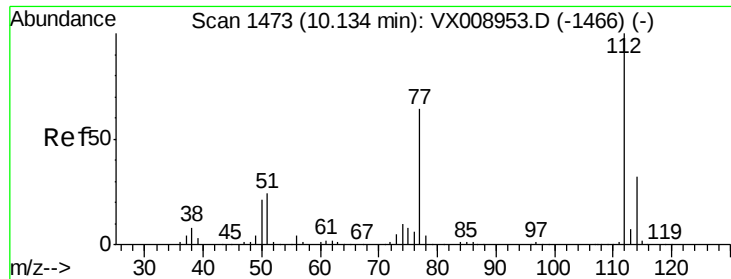
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





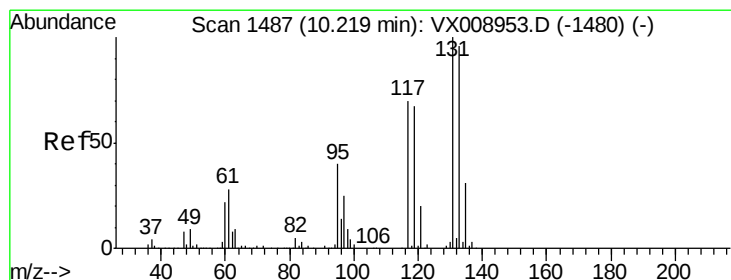
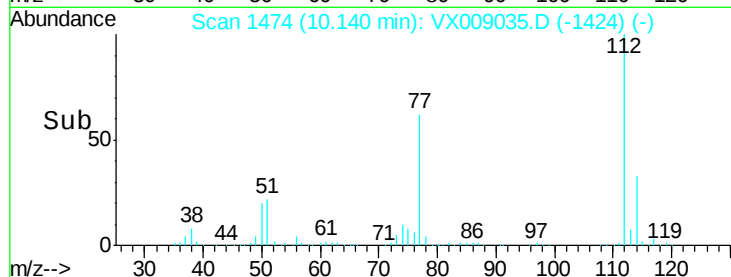
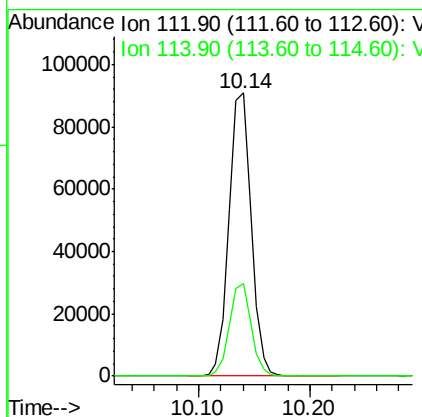
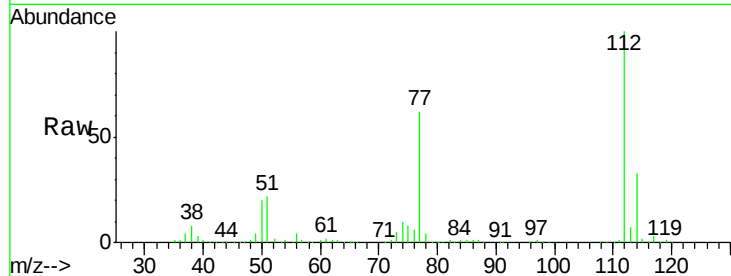
#65
Chlorobenzene
Concen: 19.537 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
VX0418WBS01

Tot Ion:112 Resp: 126198
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

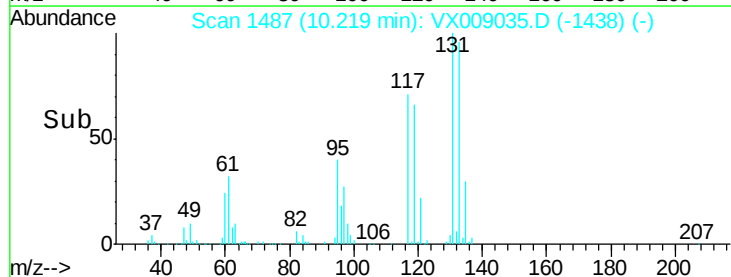
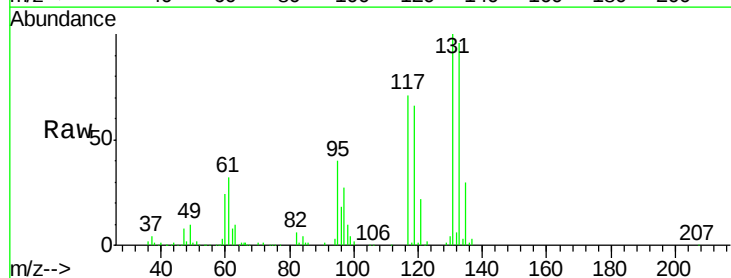
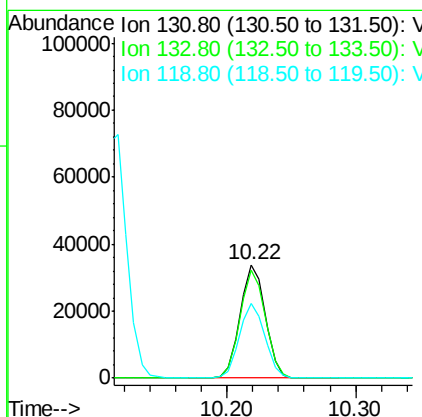
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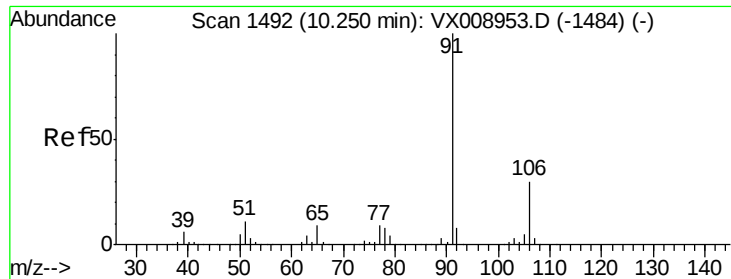
MMDadoda
4/19/2019 9:11:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.132 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion:131 Resp: 45811
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 66.3 33.7 101.1





#67

Ethyl Benzene

Concen: 19.548 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 91 Resp: 230824

Ion Ratio Lower Upper

91 100

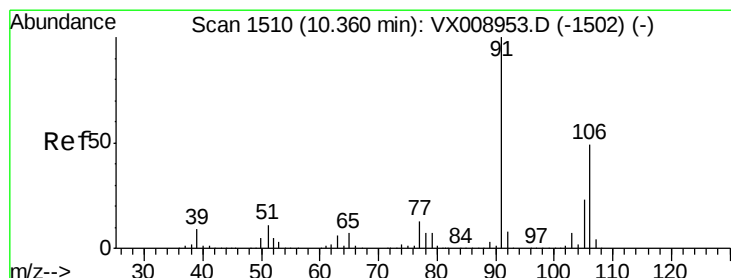
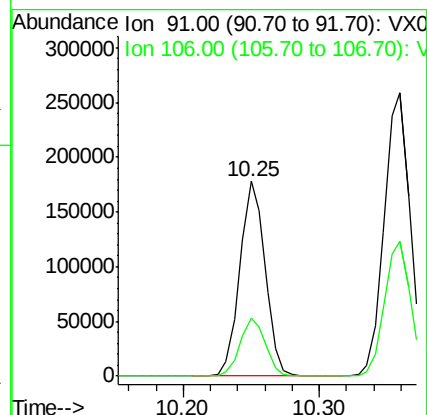
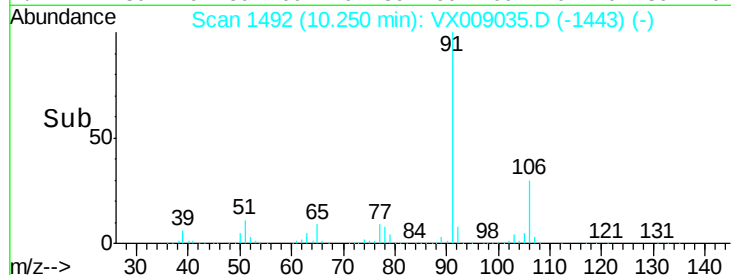
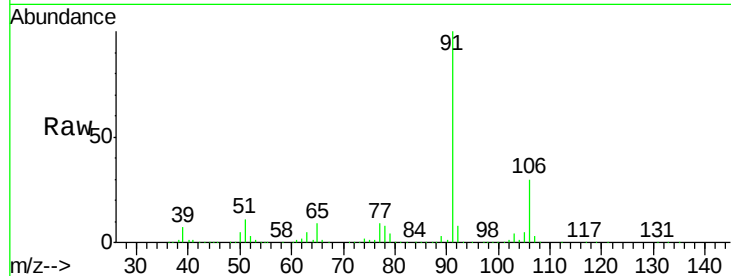
106 30.1 24.3 36.5

Manual Integrations

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MMDadoda

4/19/2019 9:11:55 AM



#68

m/p-Xylenes

Concen: 38.429 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009035.D

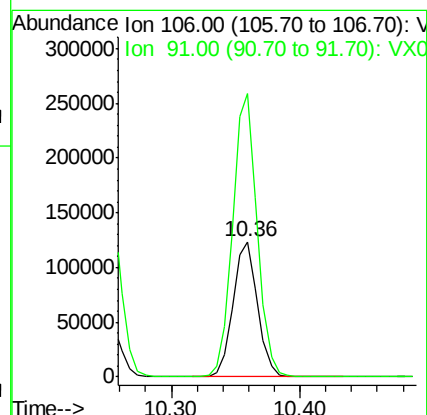
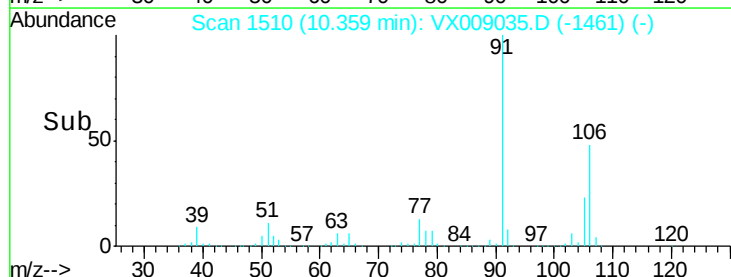
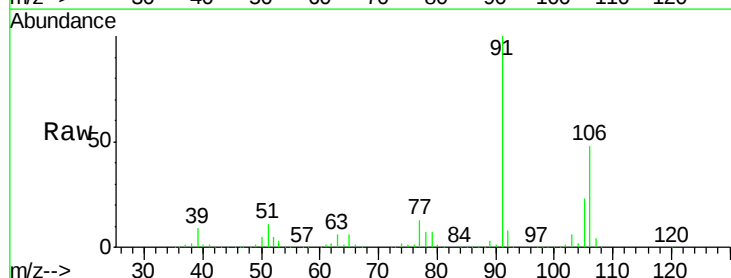
Acq: 18 Apr 2019 11:50

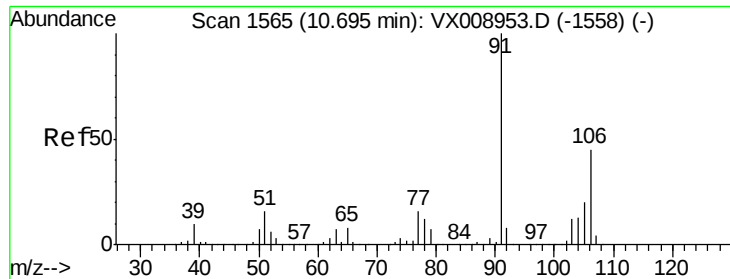
Tgt Ion: 106 Resp: 164915

Ion Ratio Lower Upper

106 100

91 208.6 165.4 248.2





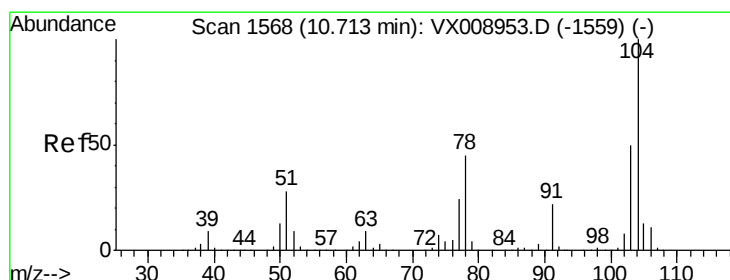
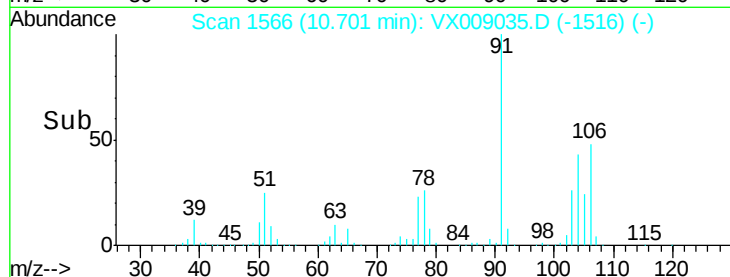
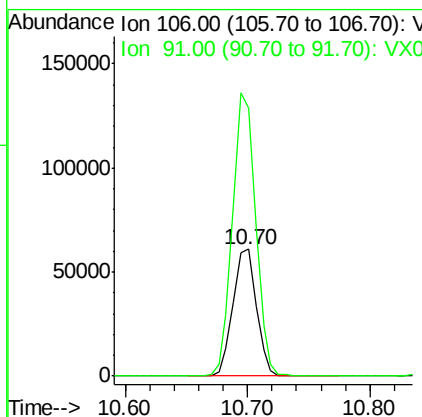
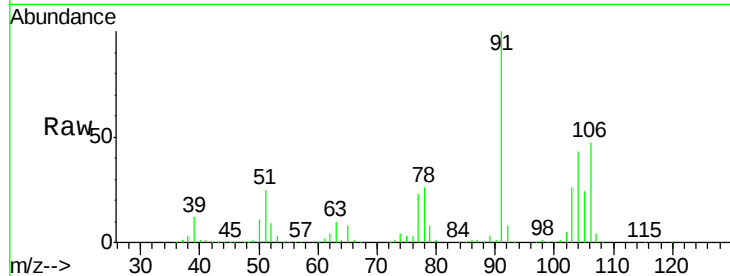
#69
o-Xylene
Concen: 19.352 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion:106 Resp: 80806
Ion Ratio Lower Upper
106 100
91 220.2 108.9 326.7

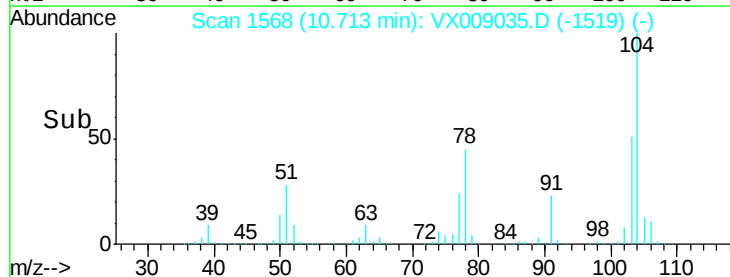
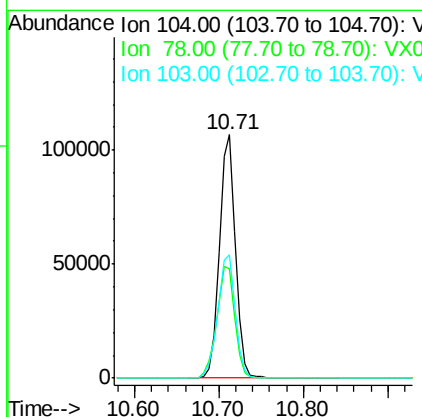
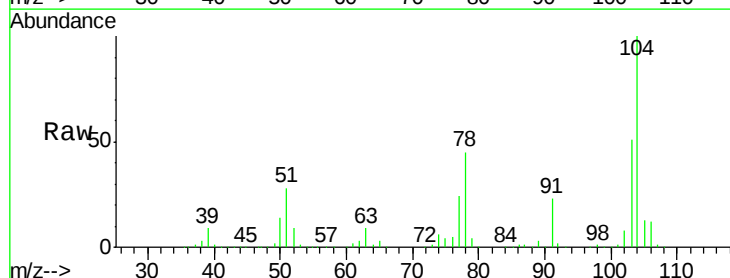
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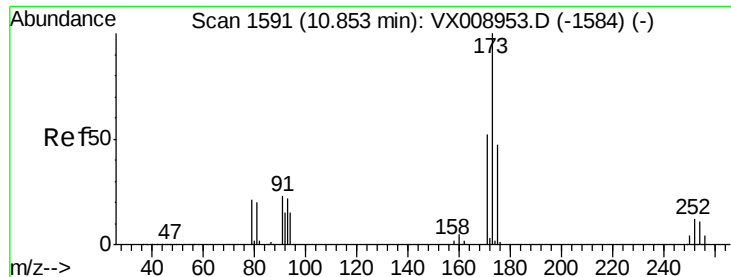
MMDadoda
4/19/2019 9:11:55 AM



#70
Styrene
Concen: 19.443 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion:104 Resp: 140686
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.6 43.9 65.9





#71

Bromoform

Concen: 19.148 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion:173 Resp: 34714

Ion Ratio Lower Upper

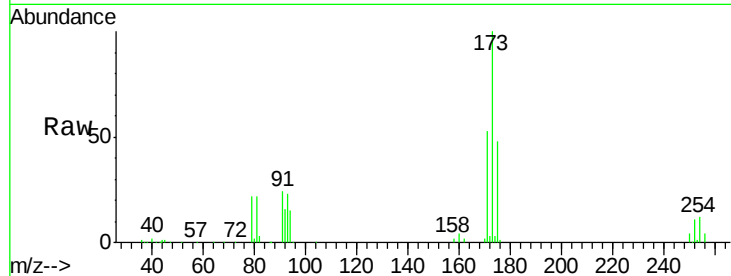
173 100

175 48.1 23.9 71.8

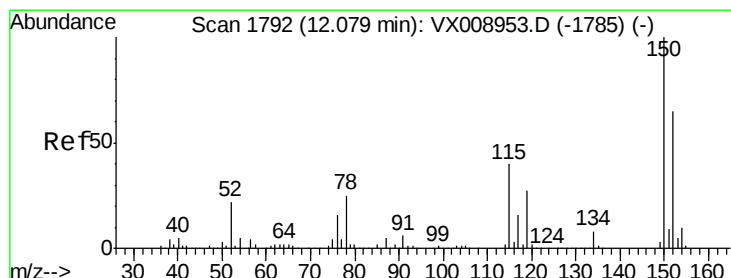
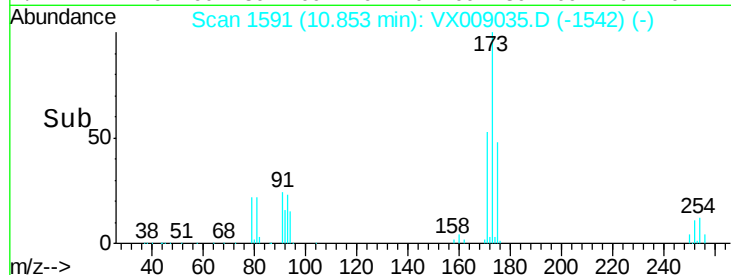
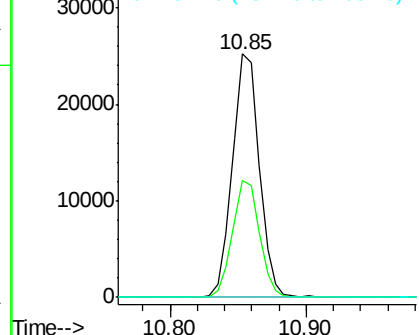
254 0.1 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

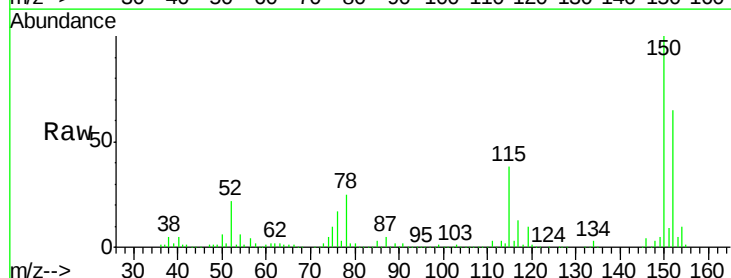
Tgt Ion:152 Resp: 138686

Ion Ratio Lower Upper

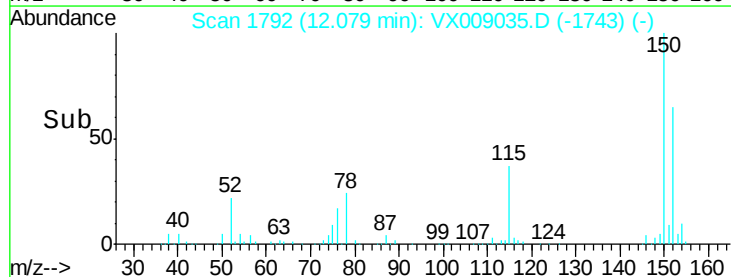
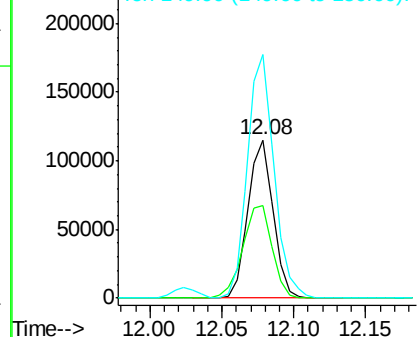
152 100

115 69.3 41.4 124.2

150 163.2 0.0 349.8



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





#73

Isopropylbenzene

Concen: 20.643 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 105 Resp: 217001

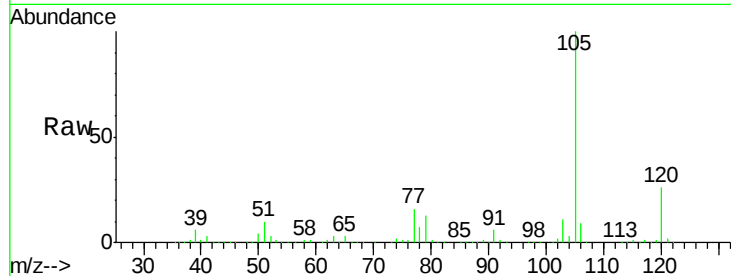
Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7

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

200000

150000

100000

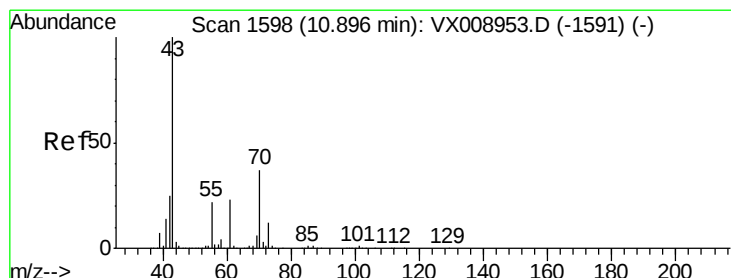
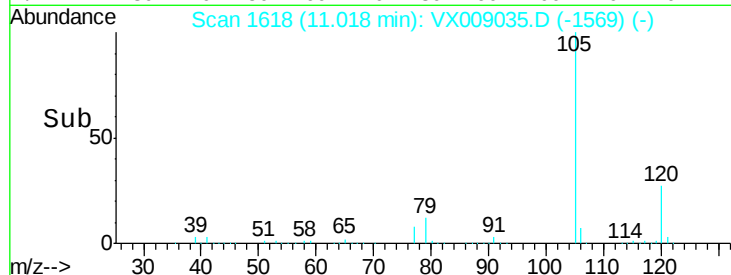
50000

0

11.02

11.00

Time-->



#74

N-ethyl acetate

Concen: 20.955 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Tgt Ion: 43 Resp: 126483

Ion Ratio Lower Upper

43 100

70 37.1 29.9 44.9

55 22.6 17.8 26.8

61 22.4 18.3 27.5

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

150000

100000

50000

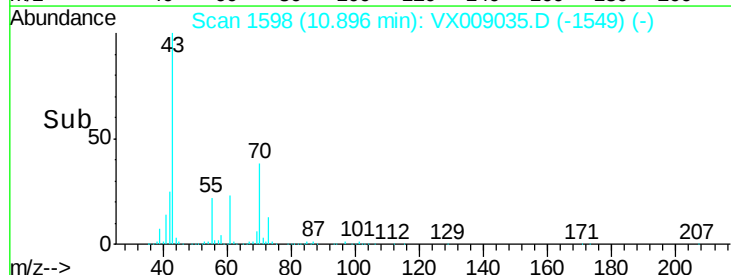
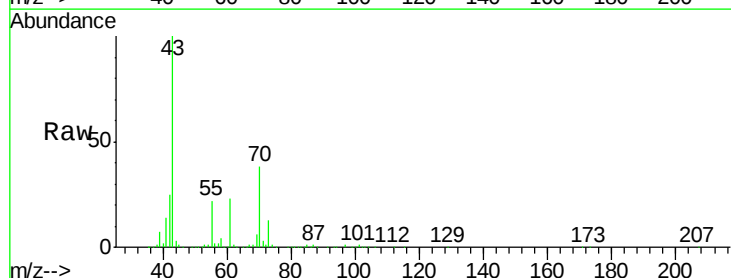
0

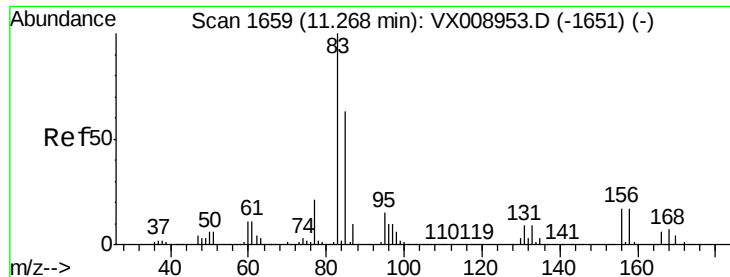
10.90

10.80

11.00

Time-->





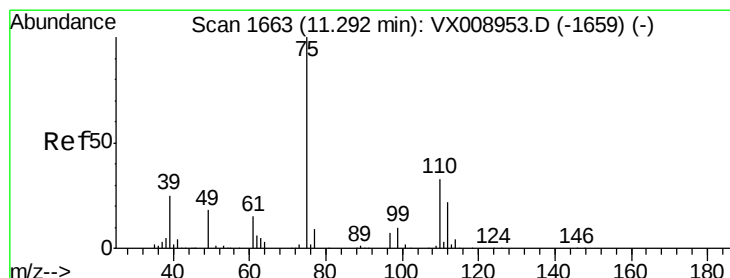
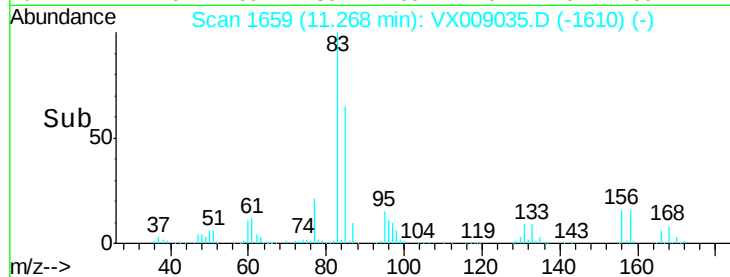
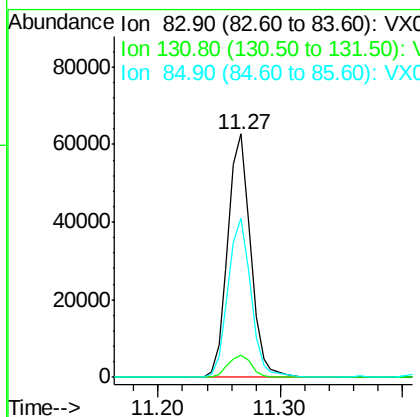
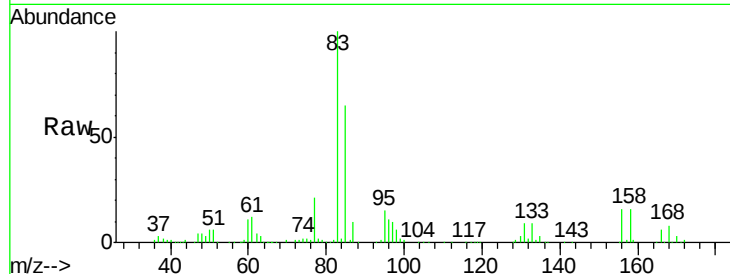
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.004 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	83	Resp	80674
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	65.6	31.9	95.9

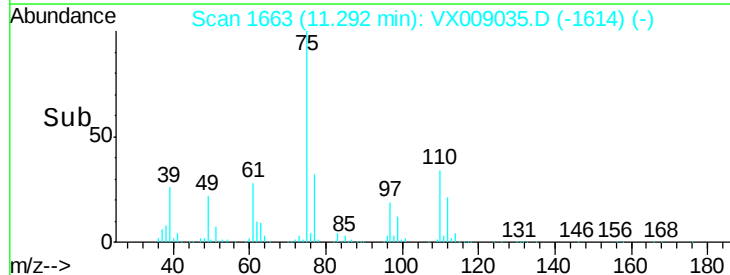
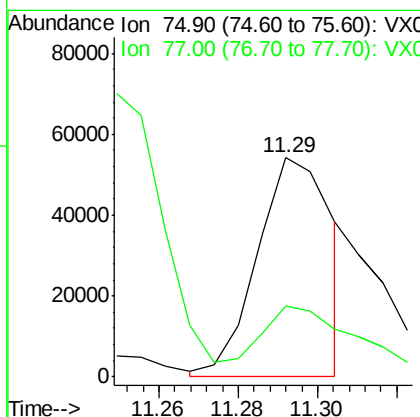
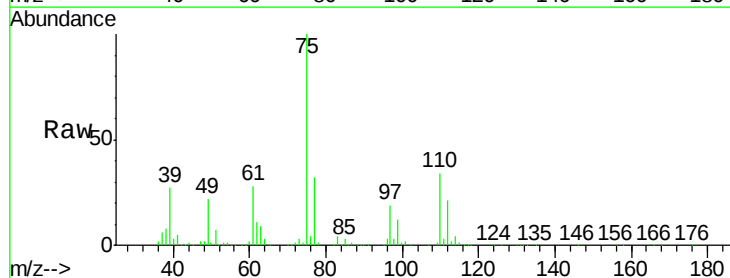
Manual Integrations
 APPROVED

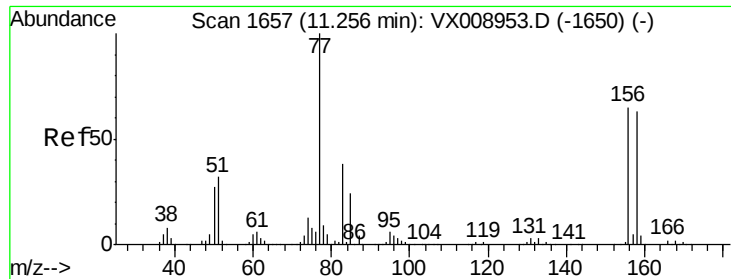
MMDadoda
 4/19/2019 9:11:55 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.022 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	75	Resp	71189
Ion Ratio	100	Lower	Upper
75	100		
77	42.9	22.7	68.0





#77

Bromobenzene

Concen: 19.865 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion:156 Resp: 52689

Ion Ratio Lower Upper

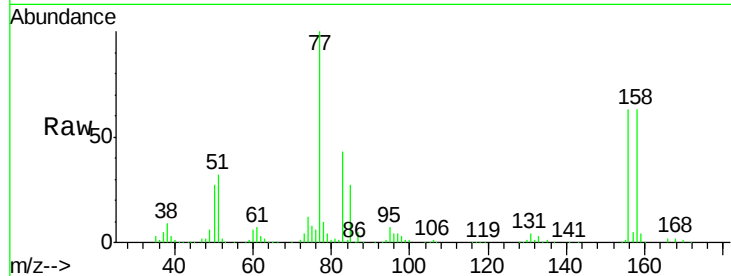
156 100

77 172.8 85.4 256.1

158 98.3 48.8 146.4

Manual Integrations
APPROVED

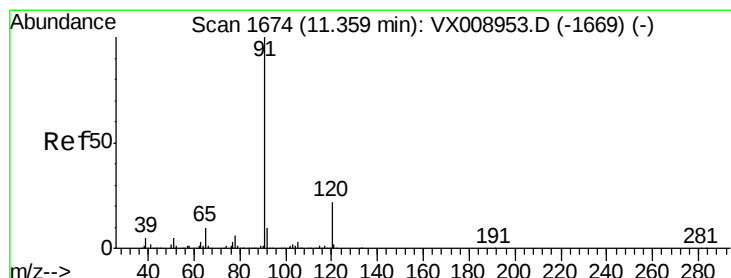
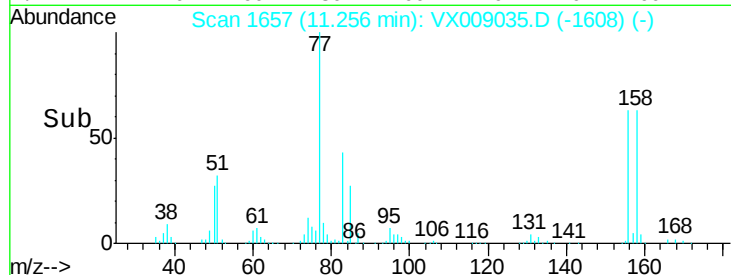
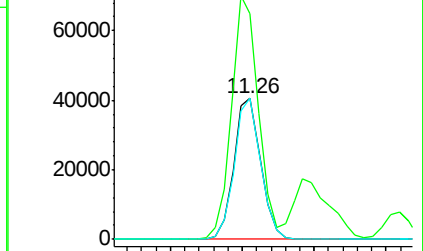
MMDadoda
4/19/2019 9:11:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.371 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009035.D

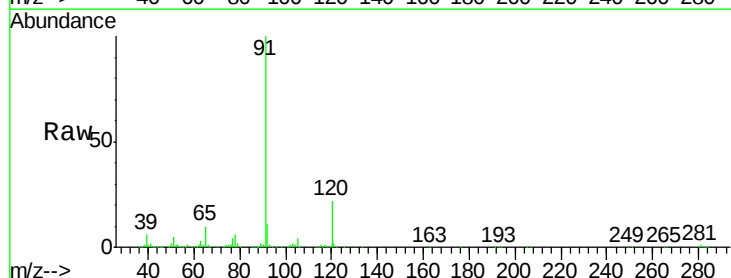
Acq: 18 Apr 2019 11:50

Tgt Ion: 91 Resp: 245784

Ion Ratio Lower Upper

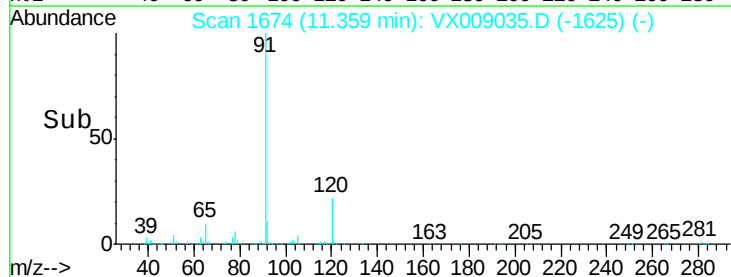
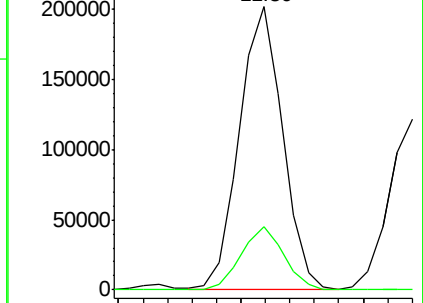
91 100

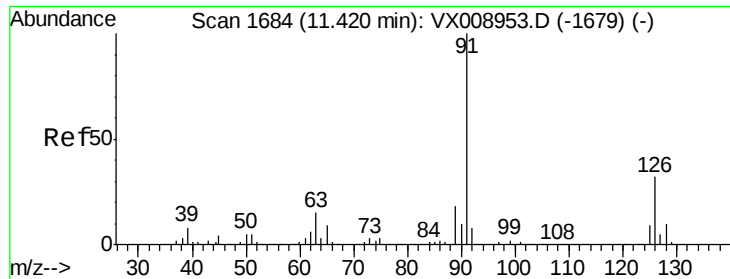
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.520 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion: 91 Resp: 149200

Ion Ratio Lower Upper

91 100

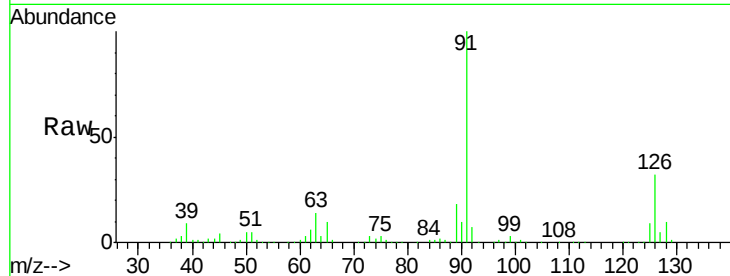
126 31.8 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1679) (-)

200000

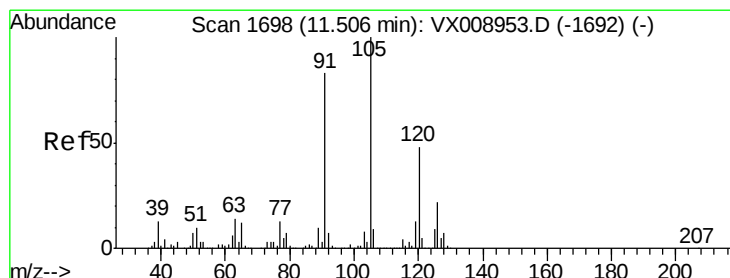
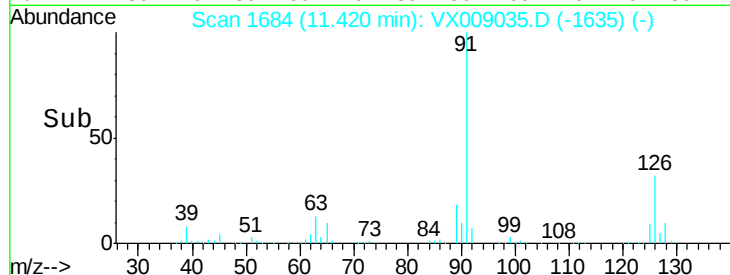
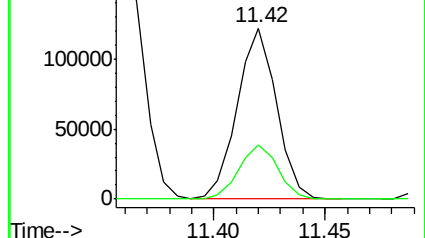
150000

100000

50000

0

11.40 11.42 11.45



#80

1,3,5-Trimethylbenzene

Concen: 20.728 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009035.D

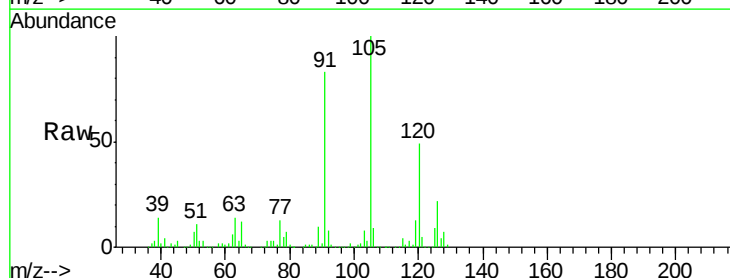
Acq: 18 Apr 2019 11:50

Tgt Ion:105 Resp: 182848

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008953.D (-1692) (-)

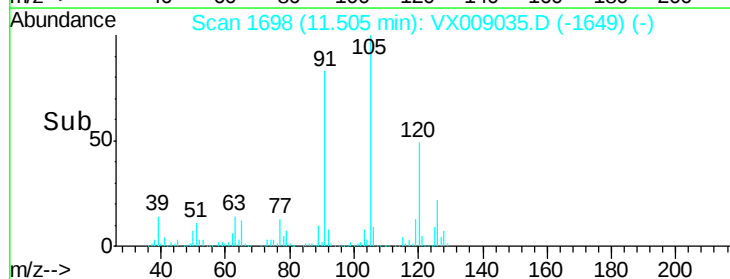
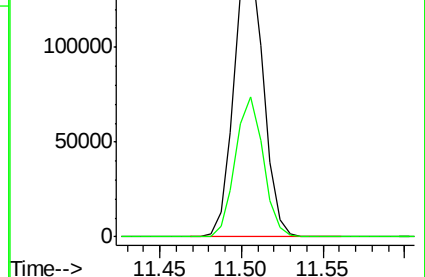
150000

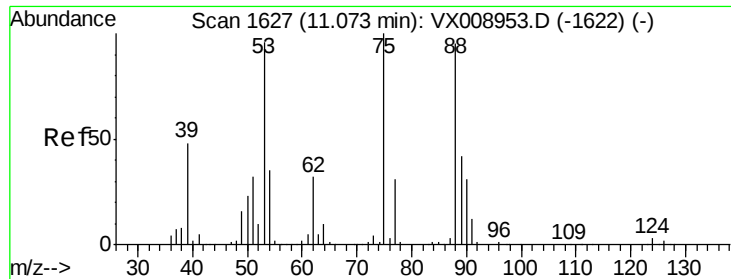
100000

50000

0

11.45 11.50 11.55





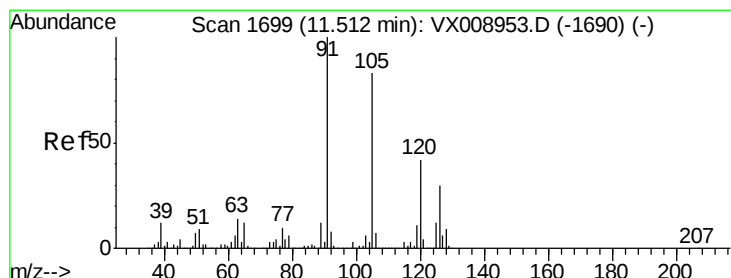
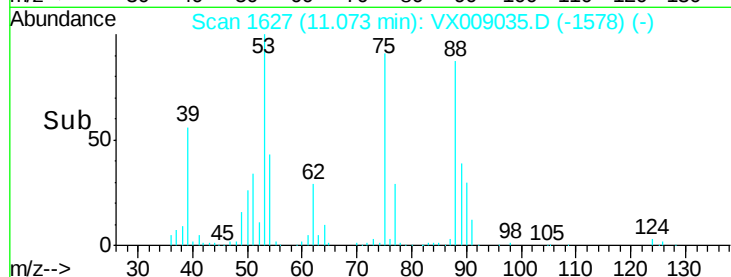
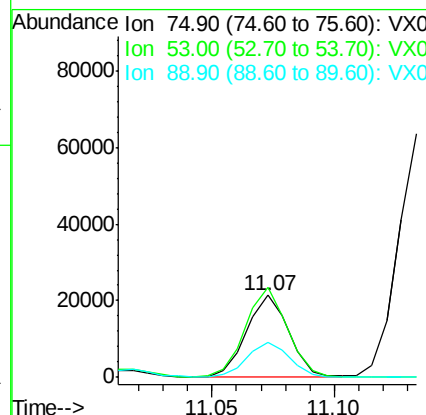
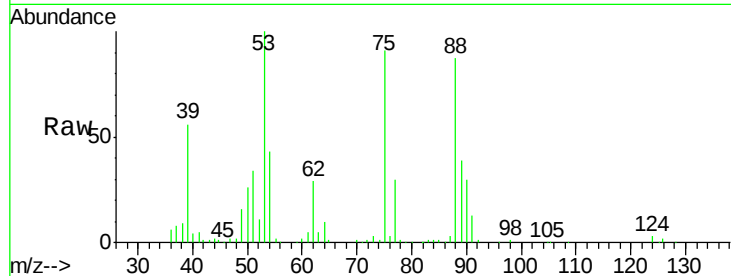
#81
trans-1,4-Dichloro-2-butene
Concen: 19.379 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	78.2	117.4
89	44.0	36.0	54.0

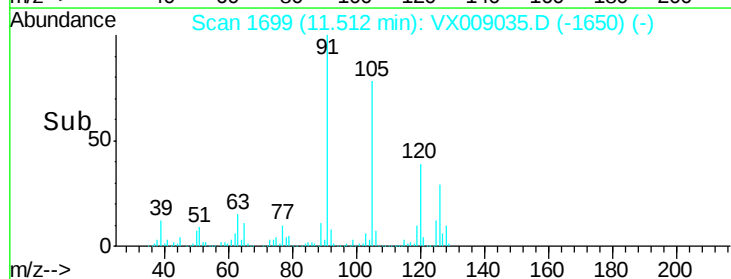
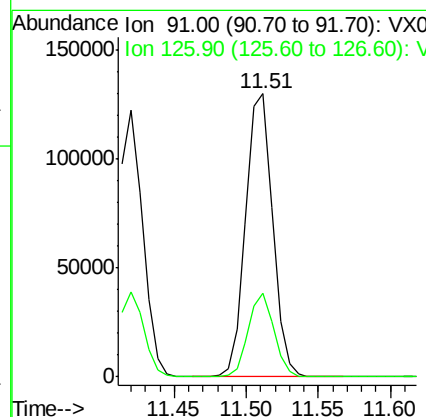
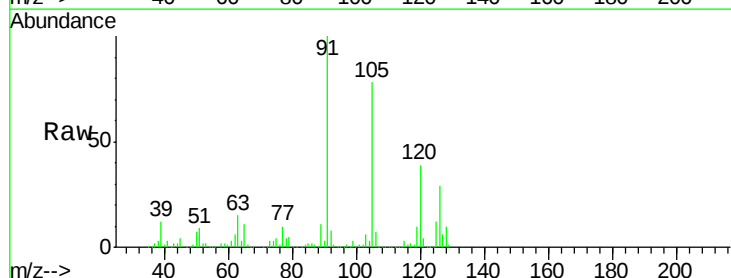
Manual Integrations
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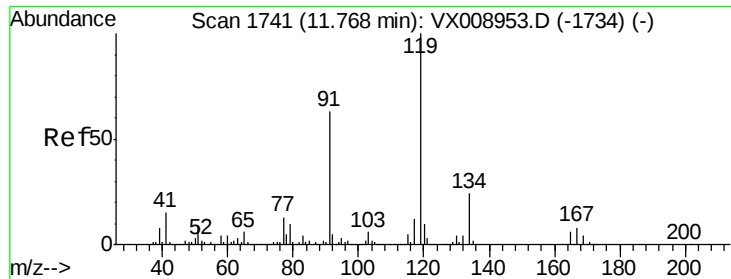
MMDadoda
4/19/2019 9:11:55 AM



#82
4-Chlorotoluene
Concen: 19.950 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9





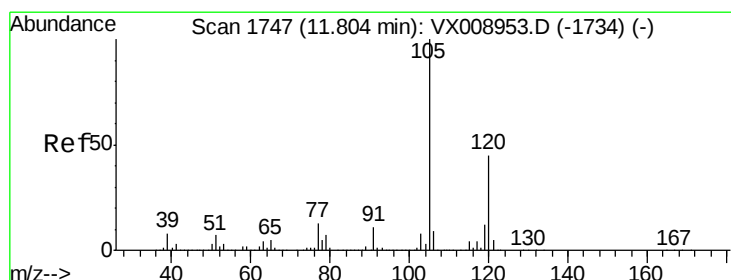
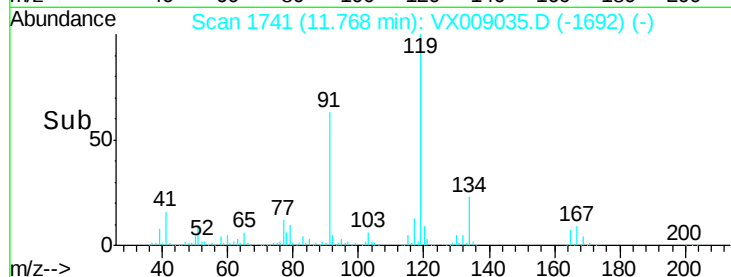
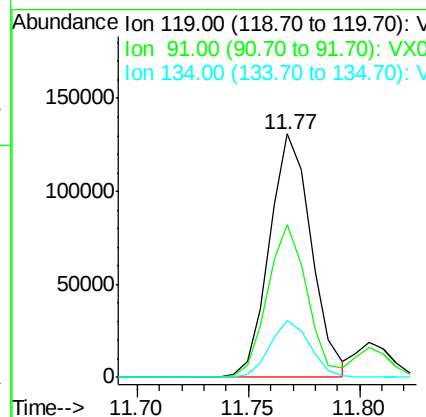
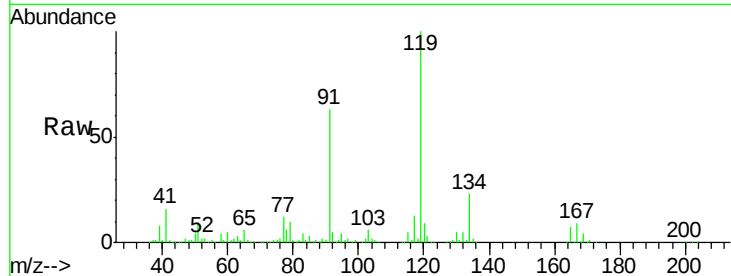
#83
 tert-Butylbenzene
 Concen: 20.169 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170819		
91	60.0	29.7	89.1	
134	22.4	11.2	33.5	

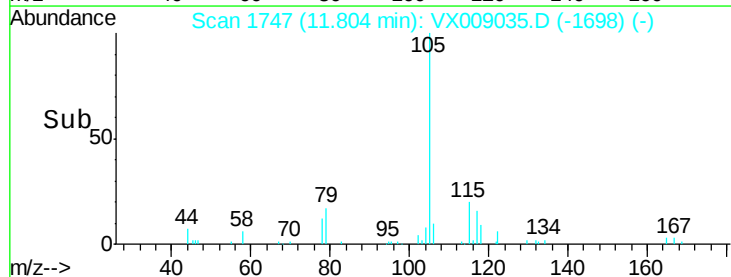
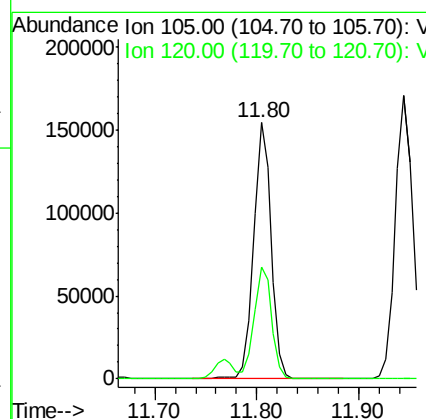
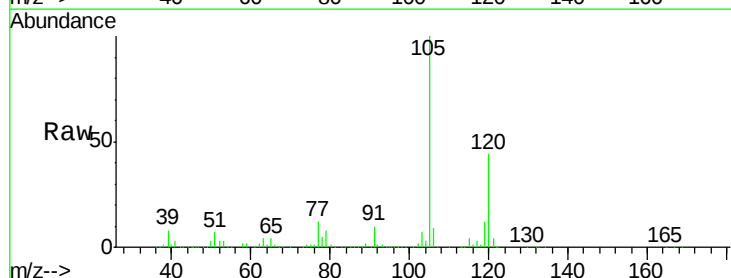
Manual Integrations
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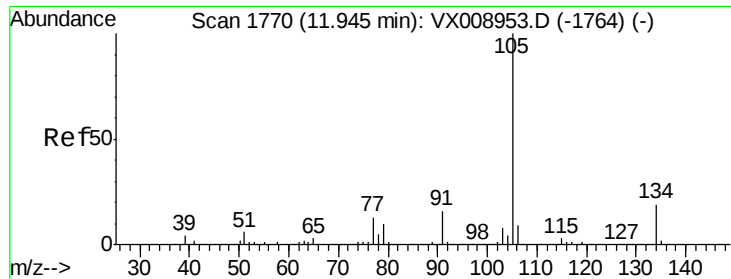
MMDadoda
 4/19/2019 9:11:55 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.589 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	184881		
120	43.5	21.9	65.8	





#85

sec-Butylbenzene

Concen: 20.429 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBS01

Tot Ion:105 Resp: 206353

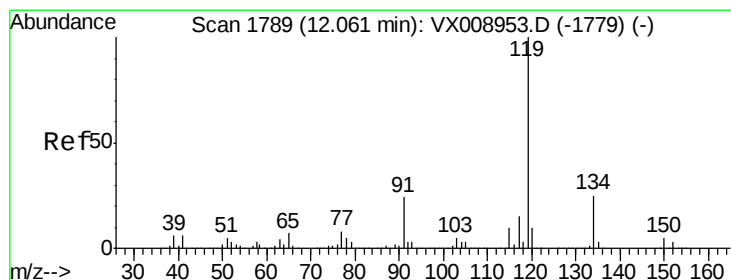
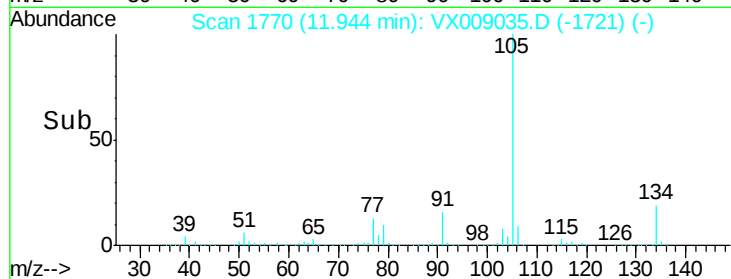
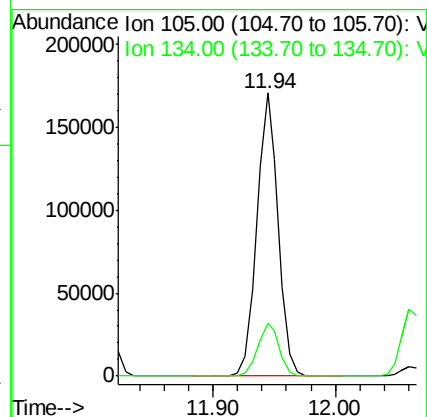
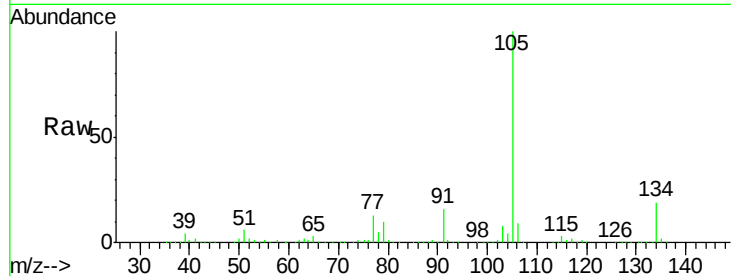
Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.6

Manual Integrations
APPROVED

MMDadoda
4/19/2019 9:11:55 AM



#86

p-Isopropyltoluene

Concen: 20.053 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009035.D

Acq: 18 Apr 2019 11:50

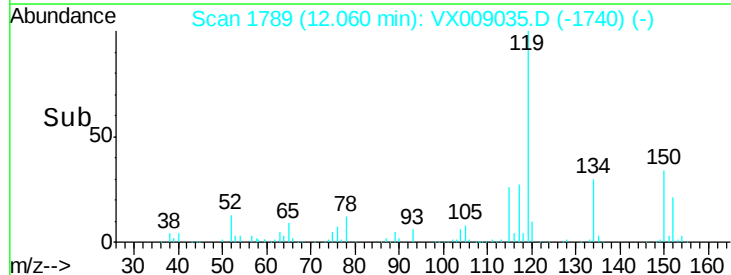
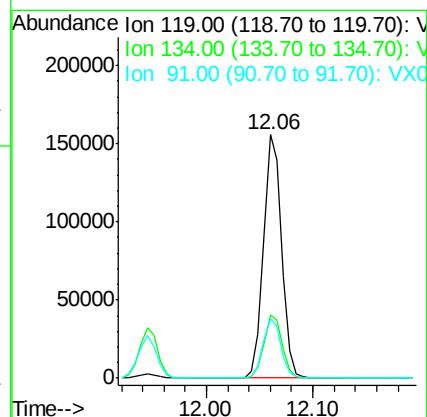
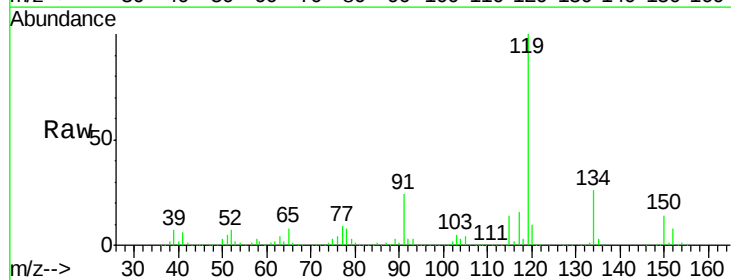
Tgt Ion:119 Resp: 186228

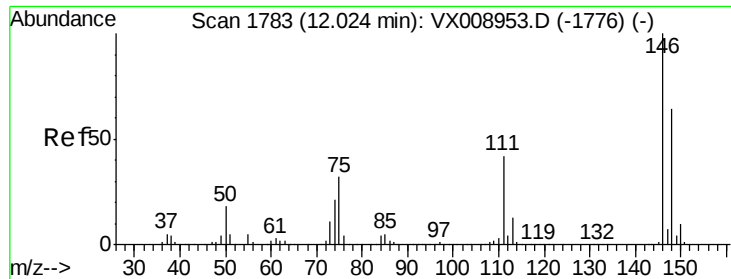
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

91 24.3 11.9 35.5





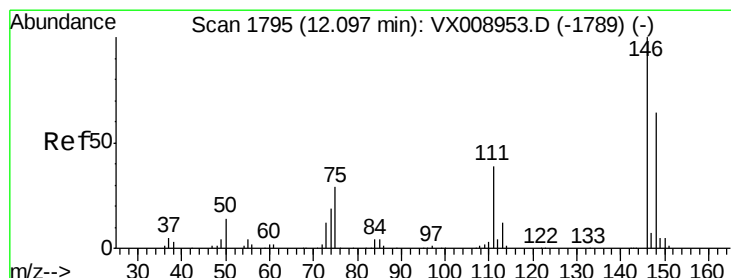
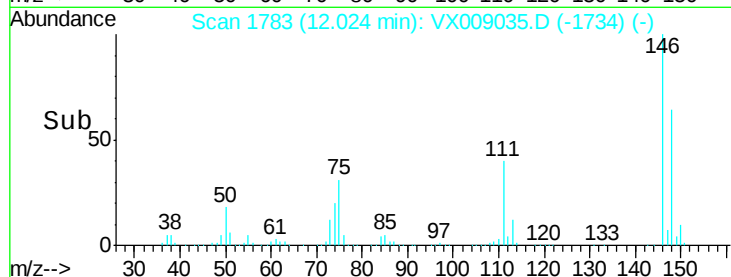
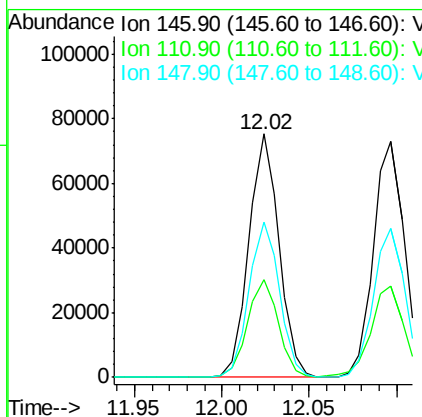
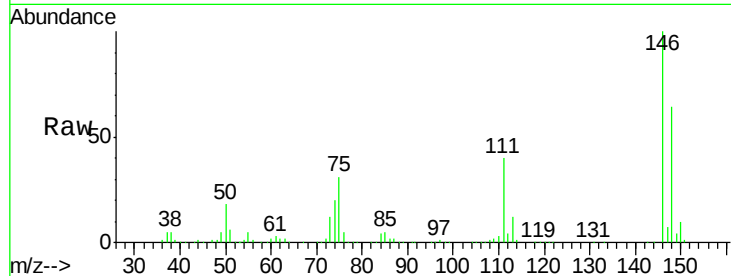
#87
 1,3-Dichlorobenzene
 Concen: 19.365 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	65.0	32.2	96.6

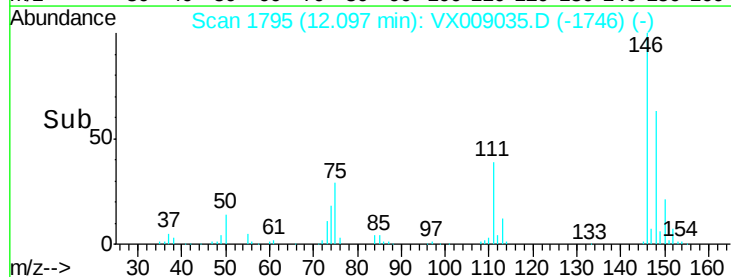
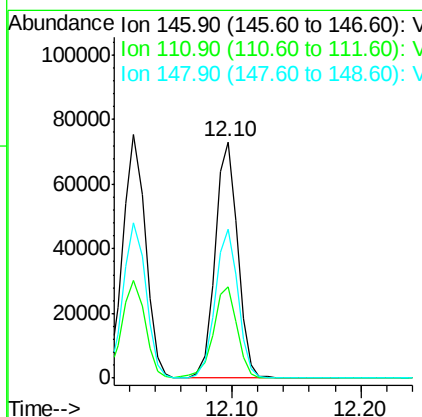
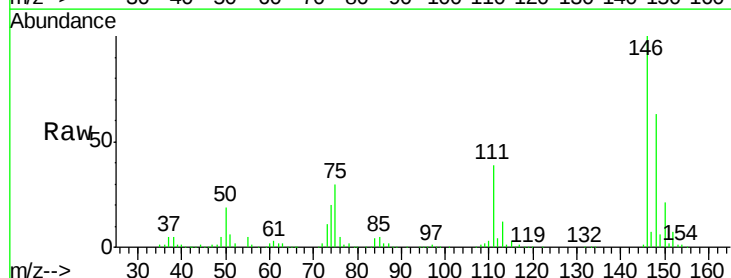
Manual Integrations
 APPROVED

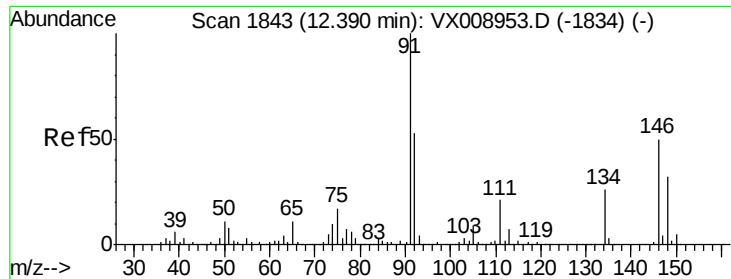
MMDadoda
 4/19/2019 9:11:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.176 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	64.1	32.2	96.6





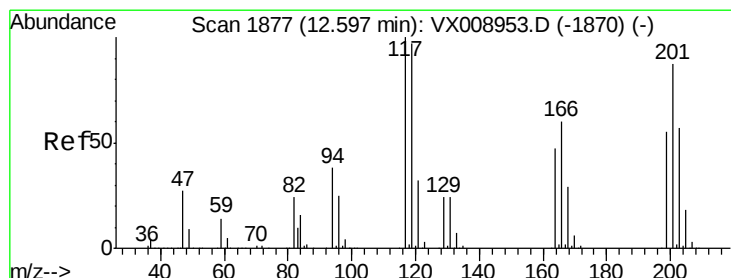
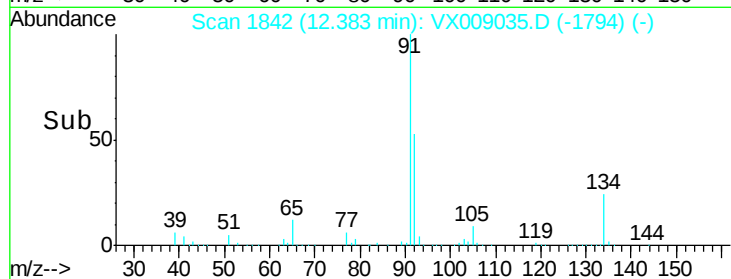
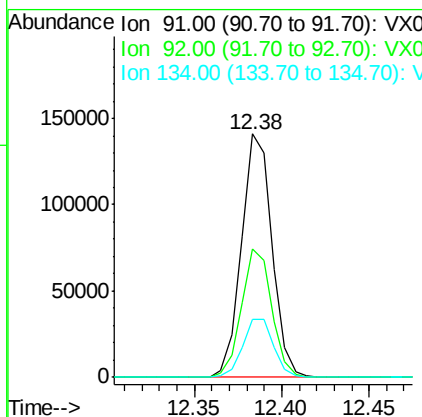
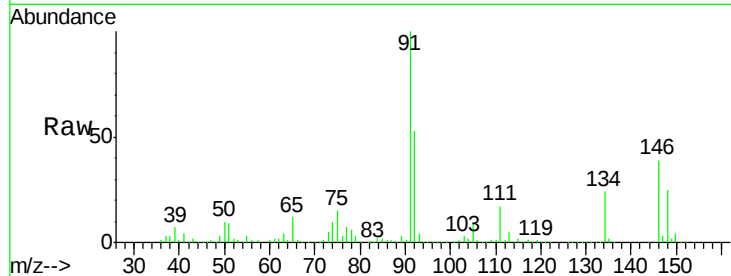
#89
n-Butylbenzene
Concen: 19.708 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	170448		
92	52.6	26.6	79.8	
134	24.1	12.4	37.2	

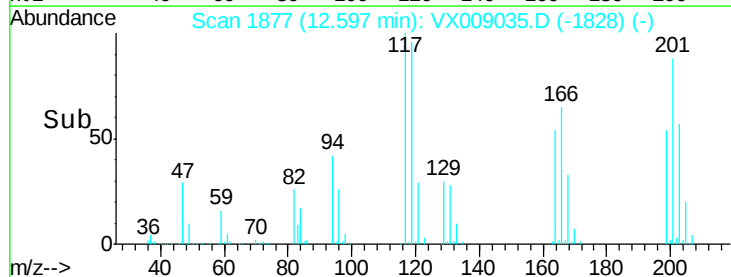
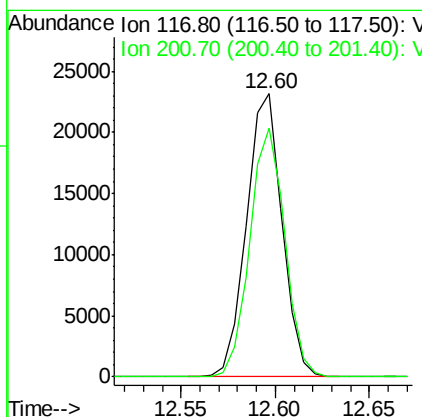
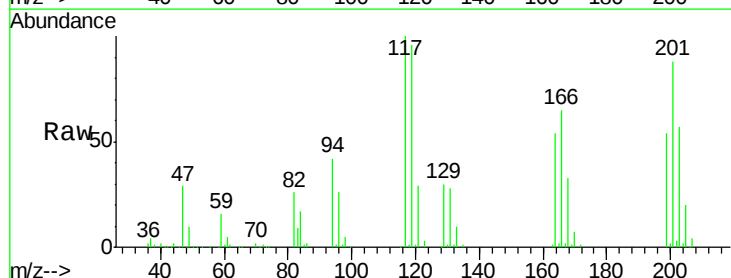
Manual Integrations
APPROVED

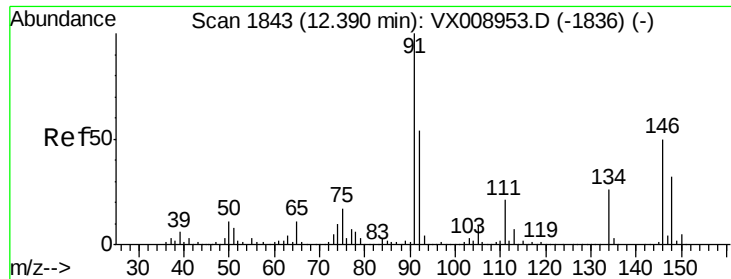
MMDadoda
4/19/2019 9:11:55 AM



#90
Hexachloroethane
Concen: 19.774 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30292		
201	86.2	43.0	129.0	





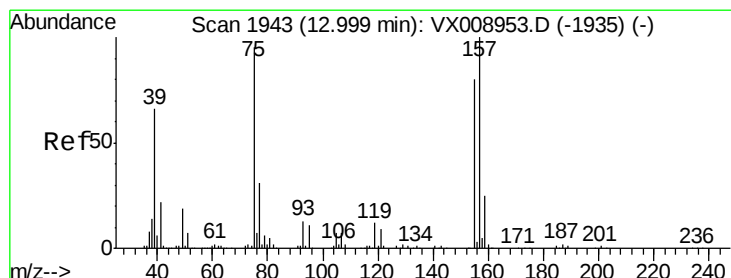
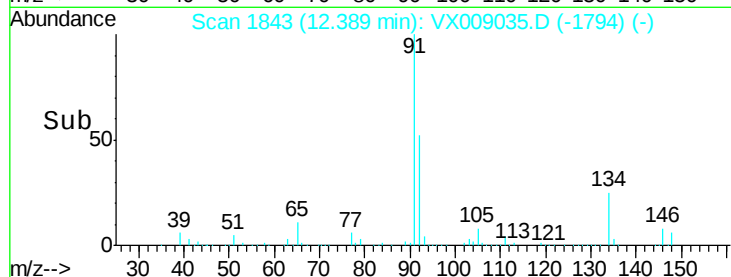
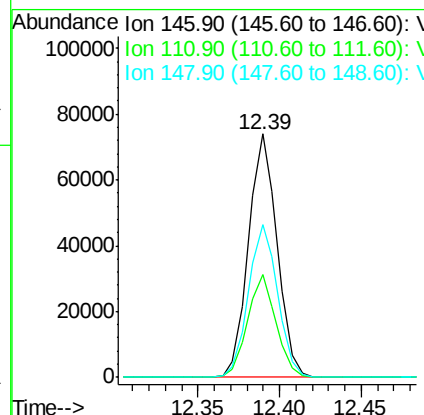
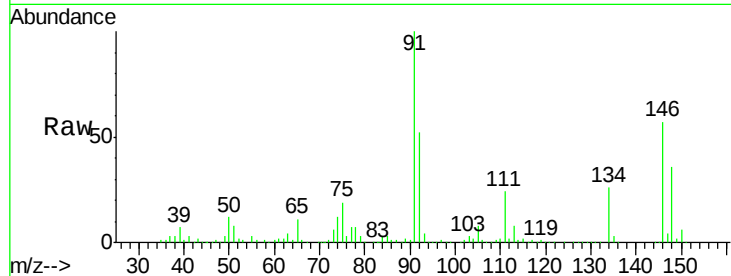
#91
 1,2-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	90678		
111	41.7	20.6	61.9	
148	64.2	32.0	96.2	

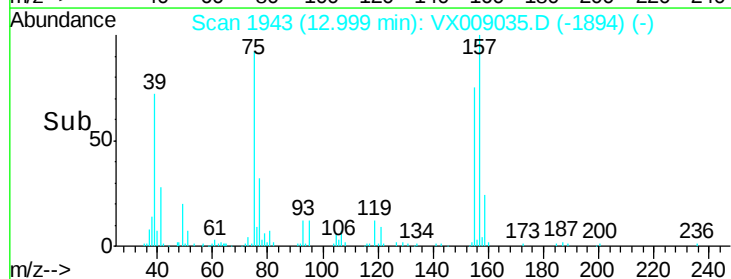
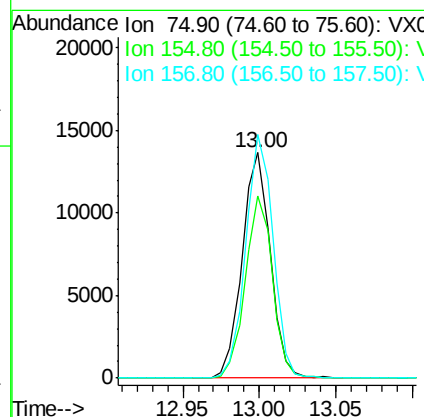
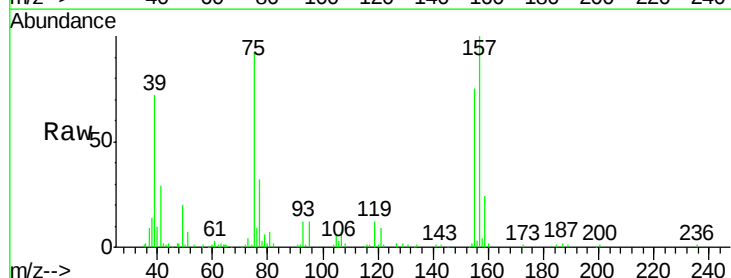
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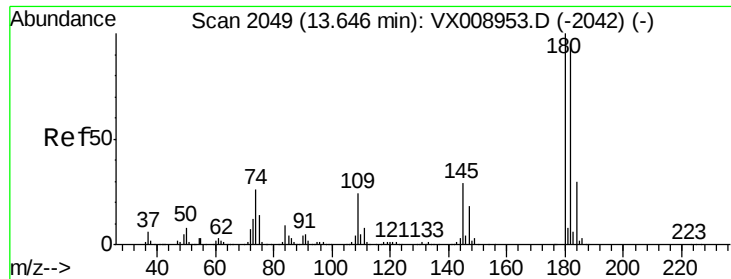
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.871 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17378		
155	77.8	41.2	123.6	
157	105.0	52.5	157.6	





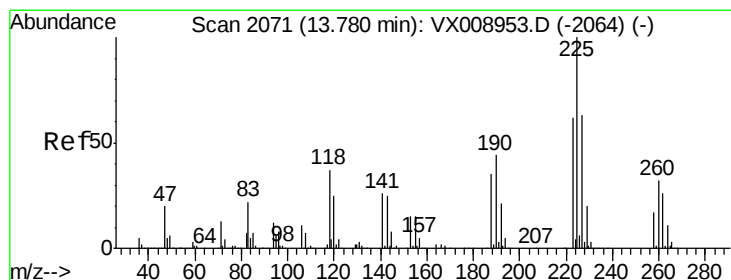
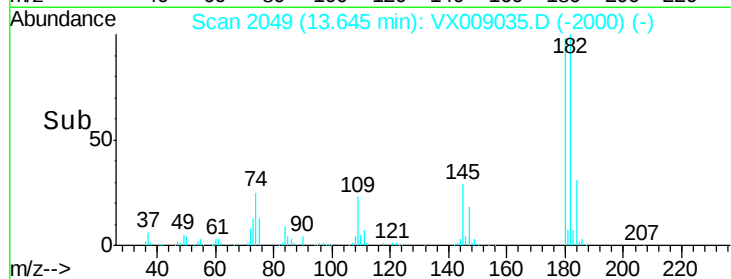
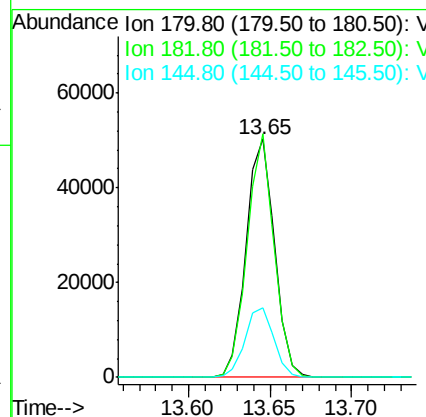
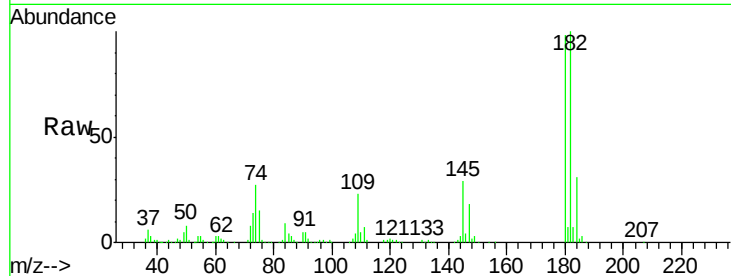
#93
 1,2,4-Trichlorobenzene
 Concen: 18.530 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Tot Ion:	180	Resp:	61316
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.6	142.9
145	29.8	14.8	44.4

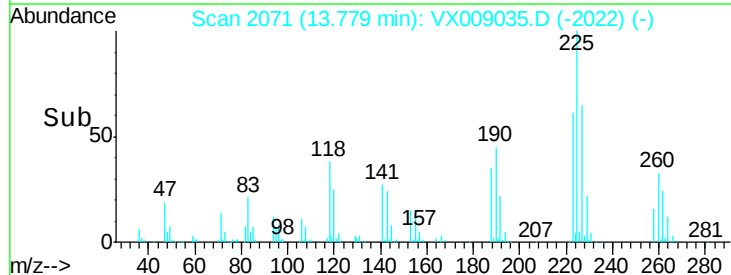
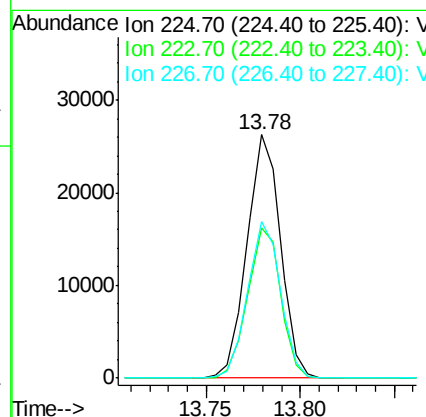
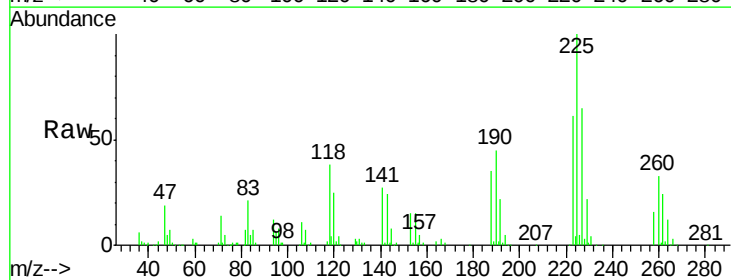
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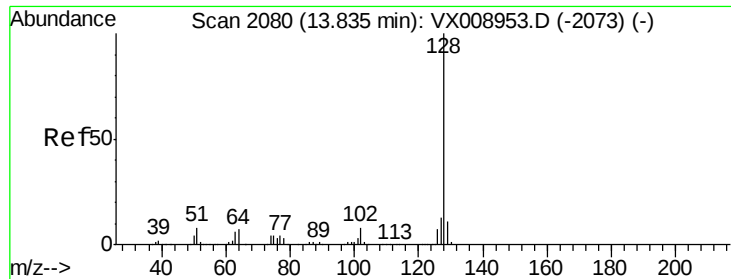
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#94
 Hexachlorobutadiene
 Concen: 19.619 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009035.D
 Acq: 18 Apr 2019 11:50

Tgt Ion:	225	Resp:	32378
Ion Ratio	Lower	Upper	
225	100		
223	60.8	31.1	93.2
227	63.1	32.0	96.2





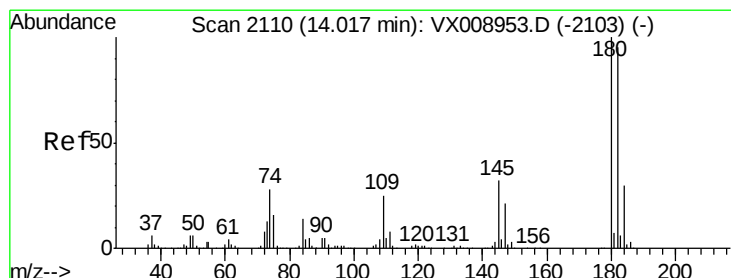
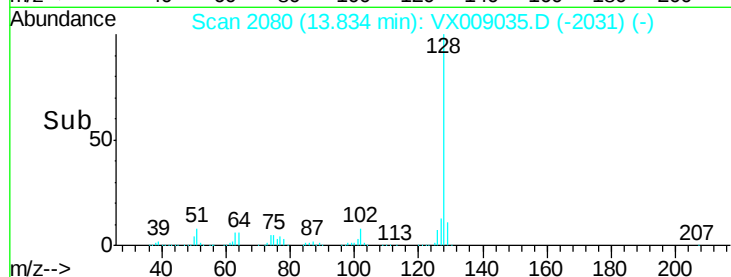
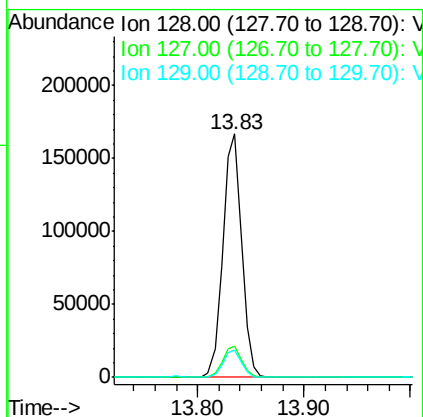
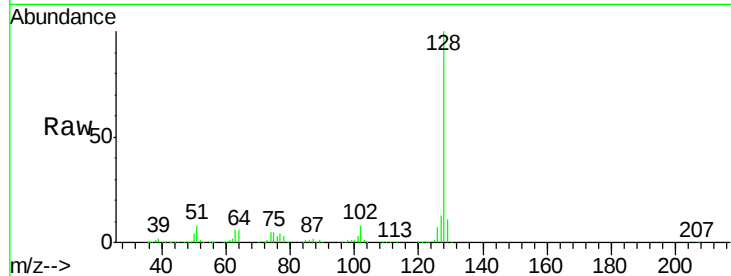
#95
Naphthalene
Concen: 19.434 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	206030		
127	13.1		10.6	16.0
129	11.0		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.064 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009035.D
Acq: 18 Apr 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	62242		
182	96.6		47.8	143.4
145	31.0		15.8	47.3

