

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009013.D
 Acq On : 17 Apr 2019 14:37
 Operator : JC/SP
 Sample : VX0417WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 10:16:08 AM

Quant Time: Apr 18 02:15:22 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	215010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	356530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143193	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	154083	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
35) Dibromofluoromethane	5.50	113	111544	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
50) Toluene-d8	8.71	98	450670	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	157484	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	50596	20.430	ug/l	100
3) Chloromethane	1.32	50	62718	20.629	ug/l	100
4) Vinyl Chloride	1.40	62	60234	20.355	ug/l	99
5) Bromomethane	1.64	94	34181	20.874	ug/l	99
6) Chloroethane	1.72	64	35532	20.420	ug/l	98
7) Trichlorofluoromethane	1.93	101	68167	19.730	ug/l	99
8) Diethyl Ether	2.19	74	31672	20.045	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	42708	19.333	ug/l	99
10) Methyl Iodide	2.51	142	45461	21.575	ug/l	99
11) Tert butyl alcohol	3.05	59	72165	107.292	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44881	19.465	ug/l	98
13) Acrolein	2.29	56	47525	81.777	ug/l	99
14) Allyl chloride	2.73	41	102951	20.466	ug/l	98
15) Acrylonitrile	3.14	53	178608	104.609	ug/l	99
16) Acetone	2.45	43	159282	101.367	ug/l	99
17) Carbon Disulfide	2.57	76	127357	19.578	ug/l	99
18) Methyl Acetate	2.78	43	80700	20.578	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	169755	20.662	ug/l	99
20) Methylene Chloride	2.85	84	53225	19.807	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	48472	19.709	ug/l	94
22) Diisopropyl ether	3.85	45	205348	21.007	ug/l	99
23) Vinyl Acetate	3.81	43	913168	106.274	ug/l	99
24) 1,1-Dichloroethane	3.70	63	99444	20.266	ug/l	99
25) 2-Butanone	4.67	43	266924	106.273	ug/l	99
26) 2,2-Dichloropropane	4.59	77	66887	18.185	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	56117	20.097	ug/l	99
28) Bromochloromethane	5.02	49	48661	22.827	ug/l #	21
29) Tetrahydrofuran	5.13	42	177544	105.611	ug/l	99
30) Chloroform	5.21	83	90460	20.602	ug/l	99
31) Cyclohexane	5.58	56	95746	19.839	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	73514	20.200	ug/l	100
36) 1,1-Dichloropropene	5.80	75	69669	18.894	ug/l	99
37) Ethyl Acetate	4.84	43	100379	21.156	ug/l	100
38) Carbon Tetrachloride	5.78	117	60640	19.399	ug/l	97

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Quant Time: Apr 18 02:15:22 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)
39) Methylcyclohexane	7.46	83	83602	18.622	ug/l	99
40) Benzene	6.14	78	215327	19.795	ug/l	99
41) Methacrylonitrile	5.04	41	55921	20.536	ug/l	98
42) 1,2-Dichloroethane	6.20	62	76308	19.803	ug/l	99
43) Isopropyl Acetate	6.45	43	155329	20.315	ug/l	100
44) Trichloroethene	7.21	130	50560	18.970	ug/l	99
45) 1,2-Dichloropropane	7.51	63	61371	20.337	ug/l	100
46) Dibromomethane	7.66	93	34299	19.529	ug/l	100
47) Bromodichloromethane	7.90	83	66860	19.410	ug/l	99
48) Methyl methacrylate	7.77	41	78744	20.843	ug/l	99
49) 1,4-Dioxane	7.74	88	28736	406.377	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	516124	105.955	ug/l	99
52) Toluene	8.78	92	129589	19.878	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	76195	19.220	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	84319	18.995	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51526	19.942	ug/l	99
56) Ethyl methacrylate	9.18	69	94419	20.380	ug/l	98
57) 1,3-Dichloropropane	9.37	76	91935	19.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	288251	115.539	ug/l	99
59) 2-Hexanone	9.49	43	394560	105.060	ug/l	99
60) Dibromochloromethane	9.58	129	49502	19.990	ug/l	99
61) 1,2-Dibromoethane	9.67	107	52623	19.734	ug/l	98
64) Tetrachloroethene	9.34	164	47443	19.931	ug/l	96
65) Chlorobenzene	10.14	112	129532	19.586	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	46194	19.827	ug/l	99
67) Ethyl Benzene	10.25	91	241458	19.972	ug/l	99
68) m/p-Xylenes	10.36	106	172748	39.317	ug/l	99
69) o-Xylene	10.70	106	84666	19.804	ug/l	98
70) Styrene	10.71	104	147024	19.845	ug/l	100
71) Bromoform	10.85	173	35915	19.349	ug/l #	99
73) Isopropylbenzene	11.02	105	225637	20.789	ug/l	100
74) N-amyl acetate	10.90	43	131745	21.140	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84287	21.254	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	83080m	23.761	ug/l	
77) Bromobenzene	11.26	156	54019	19.726	ug/l	97
78) n-propylbenzene	11.36	91	257041	20.633	ug/l	99
79) 2-Chlorotoluene	11.42	91	153222	20.410	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	187622	20.599	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	26576	19.513	ug/l	94
82) 4-Chlorotoluene	11.51	91	175411	20.119	ug/l	100
83) tert-Butylbenzene	11.77	119	179248	20.498	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	189791	20.471	ug/l	100
85) sec-Butylbenzene	11.94	105	215604	20.673	ug/l	100
86) p-Isopropyltoluene	12.06	119	193532	20.184	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	93478	19.503	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	92790	19.098	ug/l	98
89) n-Butylbenzene	12.38	91	173213	19.397	ug/l	99
90) Hexachloroethane	12.60	117	31848	20.136	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	95158	20.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18288	20.254	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Method : Z:\V0ASRV\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	63997	18.731	ug/l	99
94) Hexachlorobutadiene	13.78	225	33127	19.441	ug/l	99
95) Naphthalene	13.83	128	215182	19.658	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	65379	19.394	ug/l	99

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

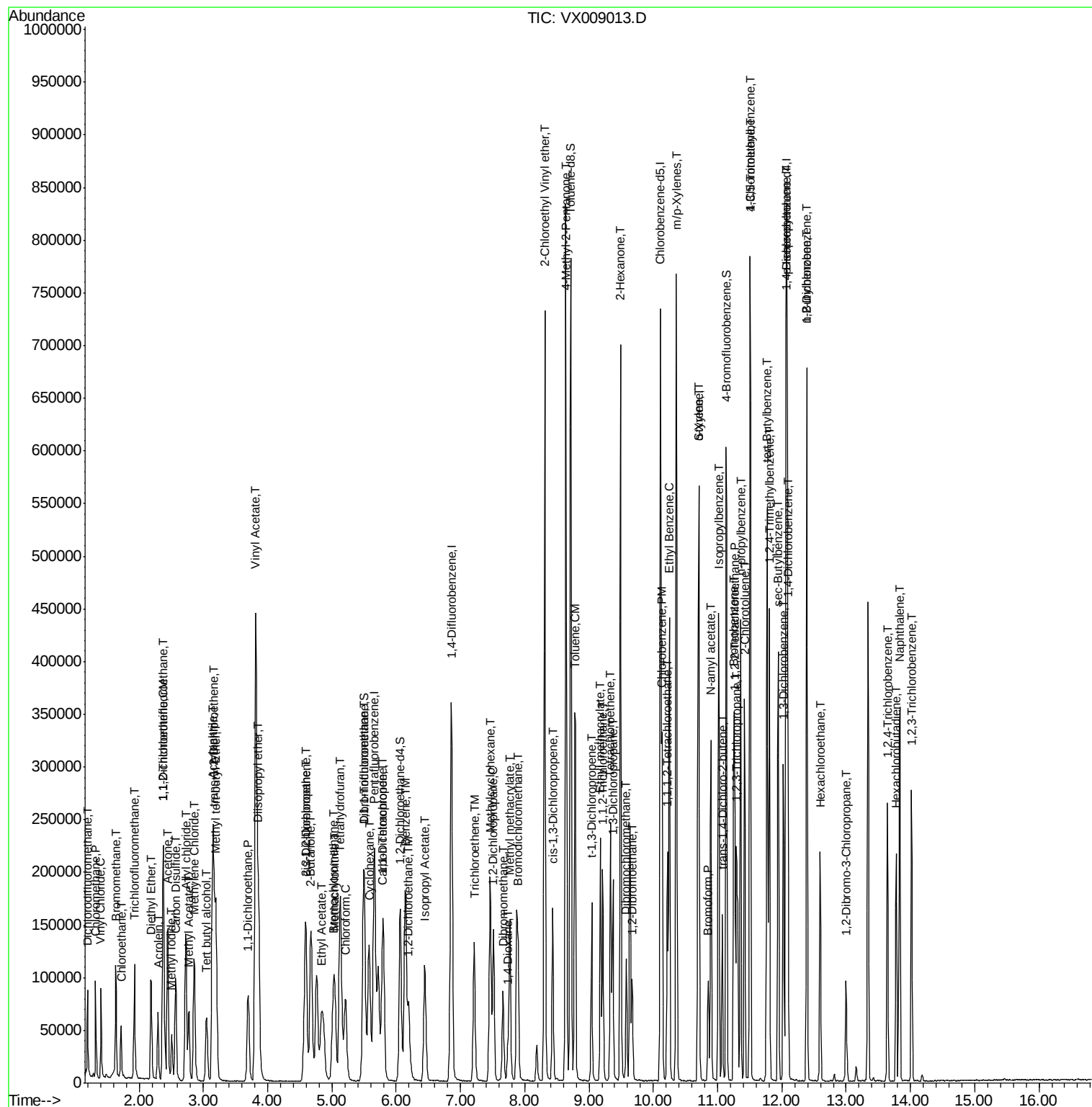
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041719\
Data File : VX009013.D
Acq On : 17 Apr 2019 14:37
Operator : JC/SP
Sample : VX0417WBSD01
Misc : 5.0mL/MSVOA X/WATER
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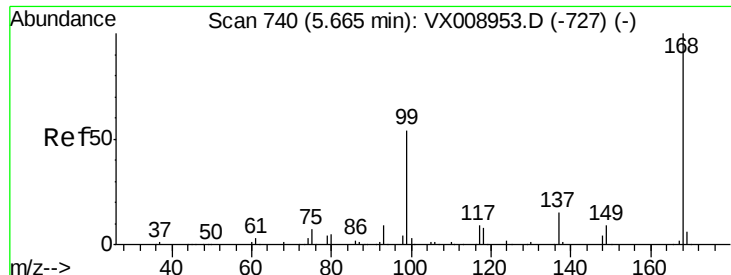
Instrument :
MSVOA_X
ClientSampleID :
VX0417WBSD01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion:168 Resp: 215010

Ion Ratio Lower Upper

168 100

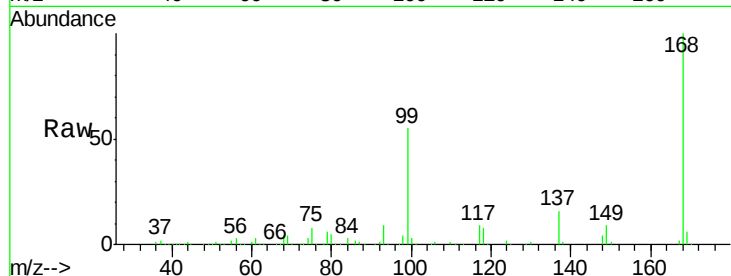
99 54.5 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

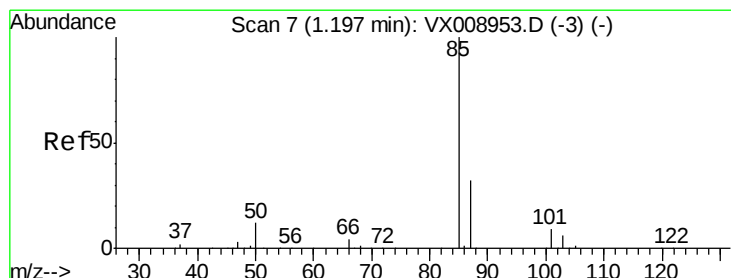
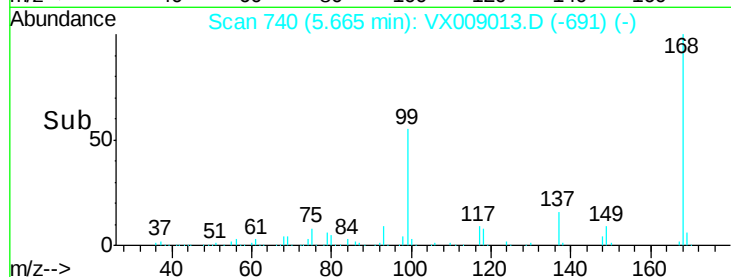
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.430 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009013.D

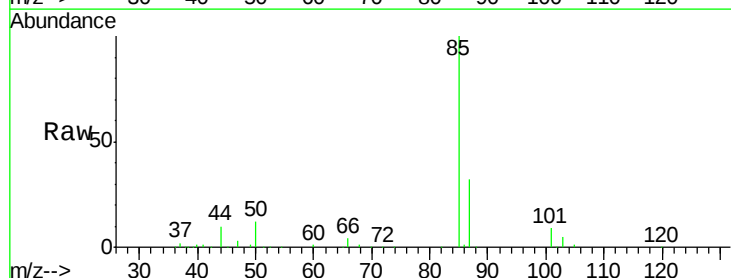
Acq: 17 Apr 2019 14:37

Tgt Ion: 85 Resp: 50596

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

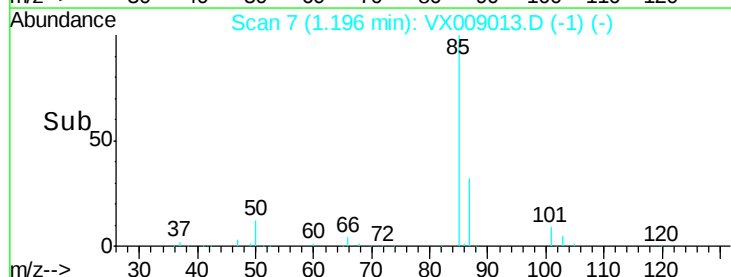
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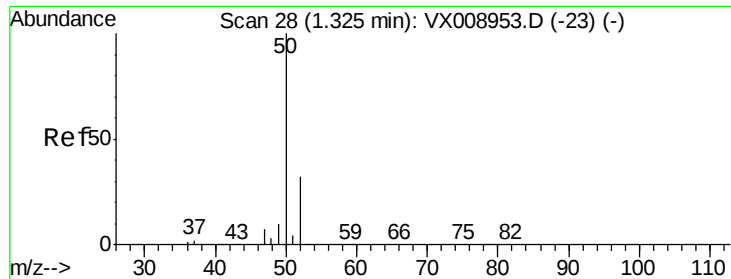
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.629 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 50 Resp: 62718

Ion Ratio Lower Upper

50 100

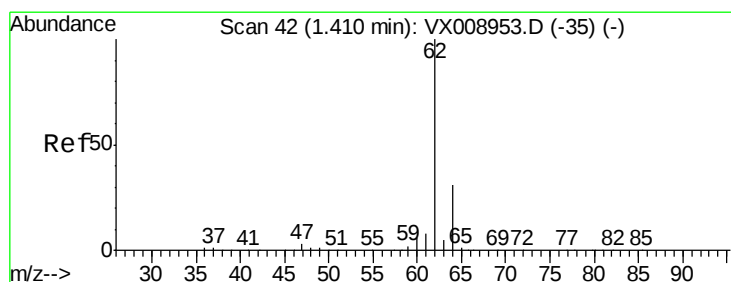
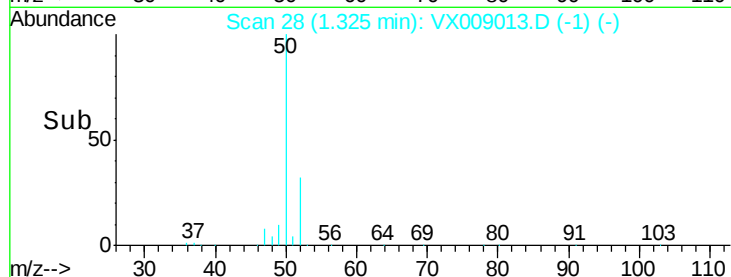
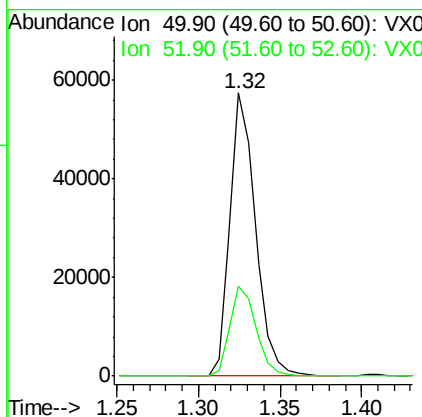
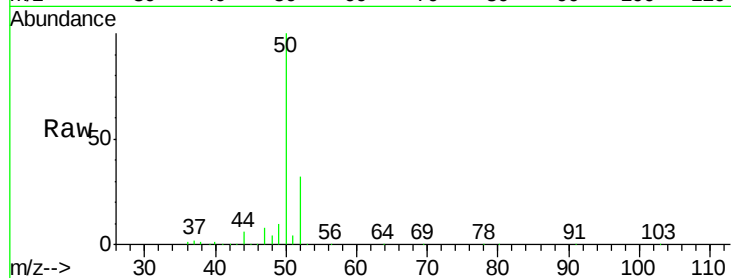
52 31.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.355 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009013.D

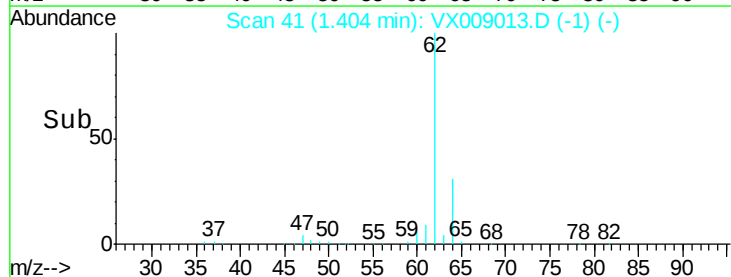
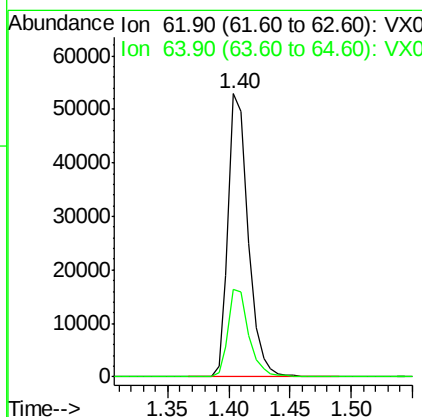
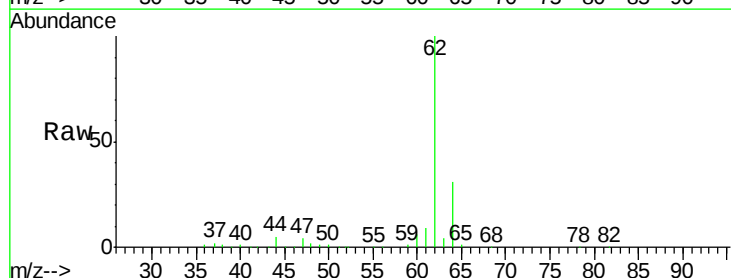
Acq: 17 Apr 2019 14:37

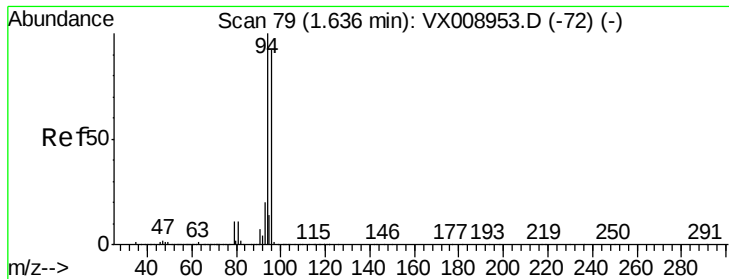
Tgt Ion: 62 Resp: 60234

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 20.874 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 94 Resp: 34181

Ion Ratio Lower Upper

94 100

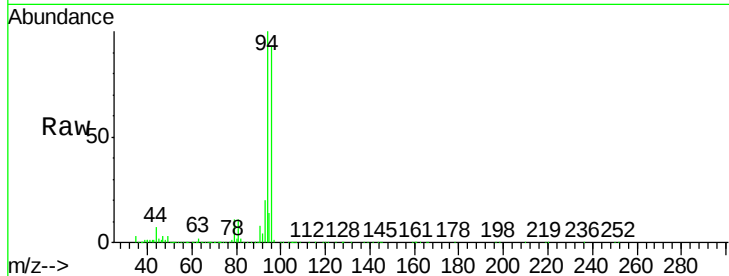
96 93.3 73.9 110.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

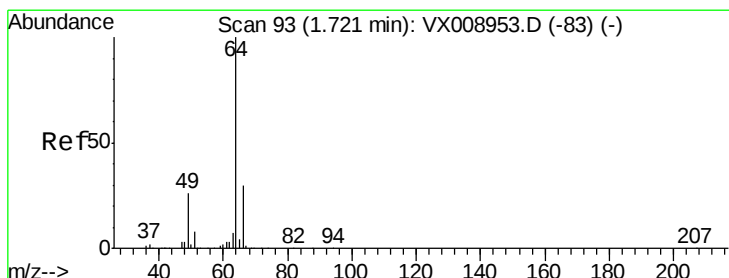
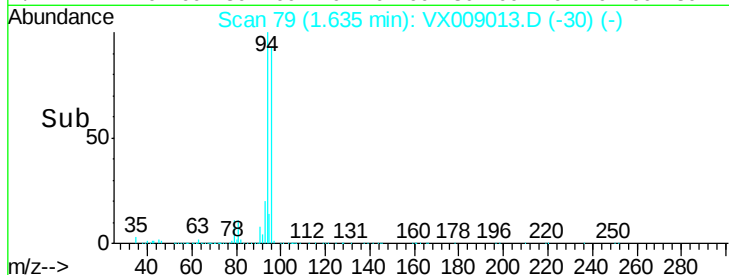
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 20.420 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009013.D

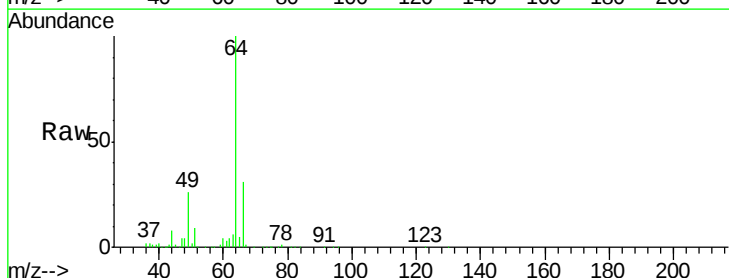
Acq: 17 Apr 2019 14:37

Tgt Ion: 64 Resp: 35532

Ion Ratio Lower Upper

64 100

66 31.4 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

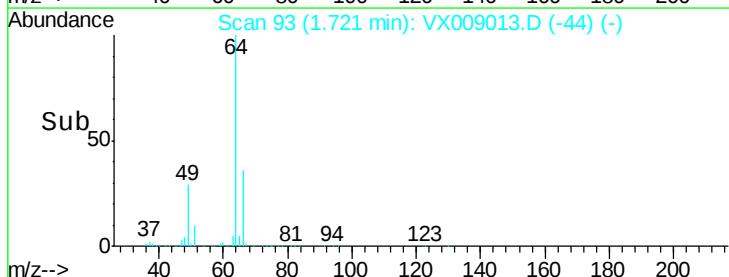
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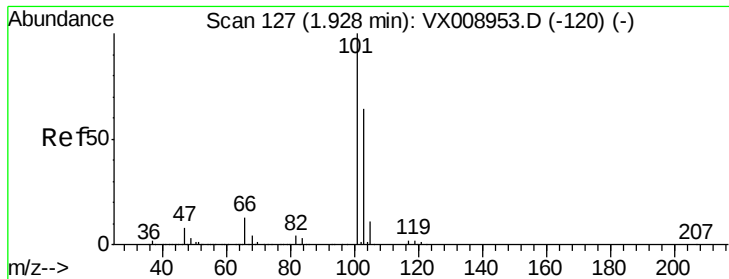
10000

5000

0

Time--> 1.65 1.70 1.75 1.80





#7

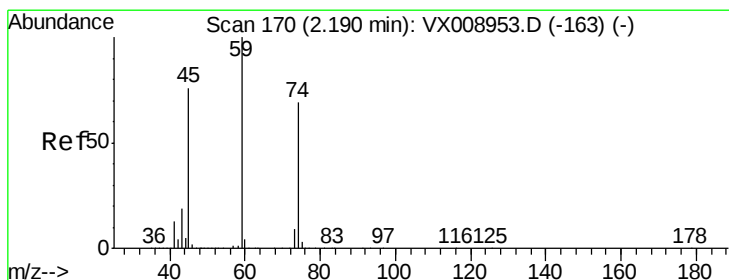
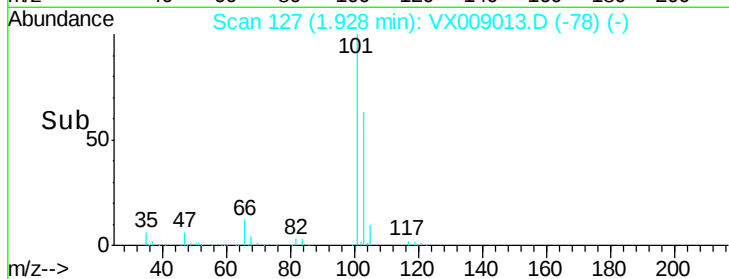
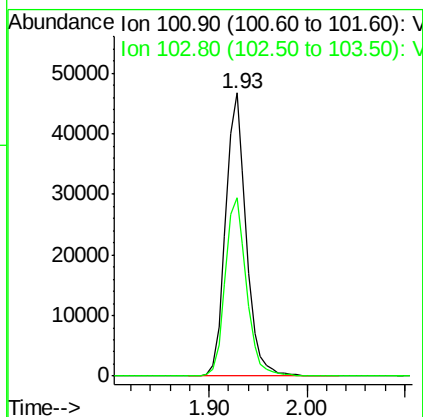
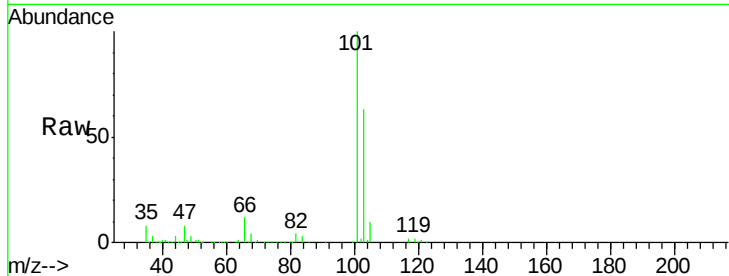
Trichlorofluoromethane
 Concen: 19.730 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.0	76.6

Manual Integrations
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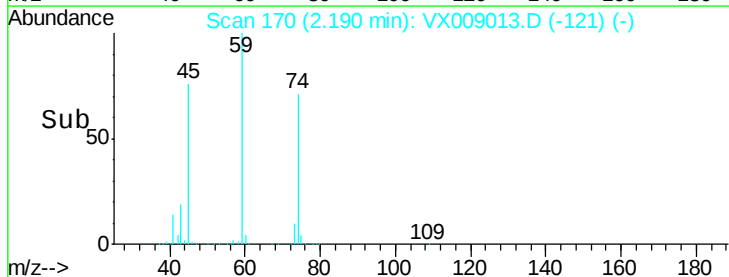
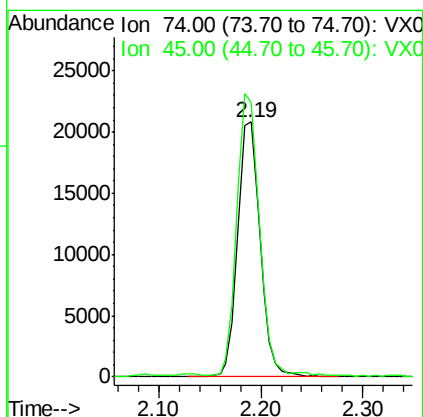
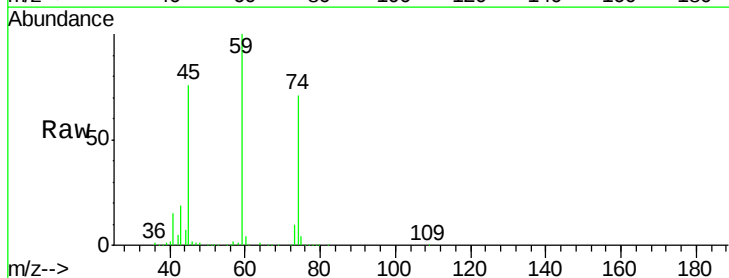
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#8

Diethyl Ether
 Concen: 20.045 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.333 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion:101 Resp: 42708

Ion Ratio Lower Upper

101 100

85 44.5 35.7 53.5

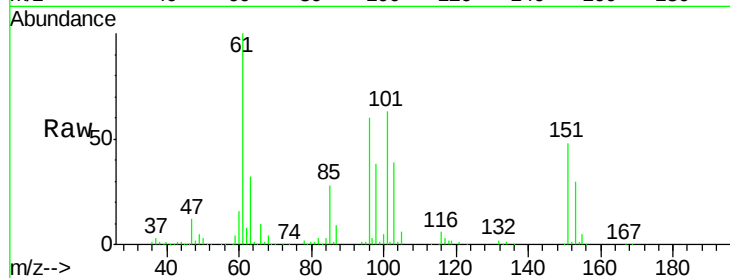
151 79.8 62.7 94.1

Manual Integrations

APPROVED

MMDadoda

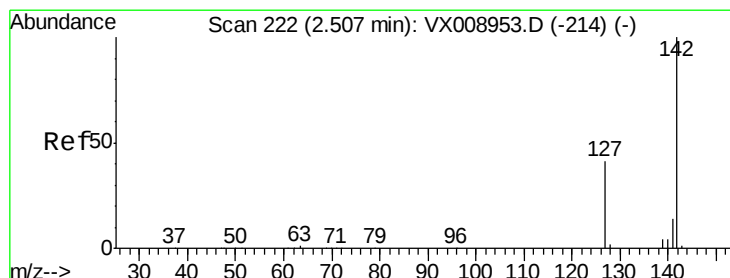
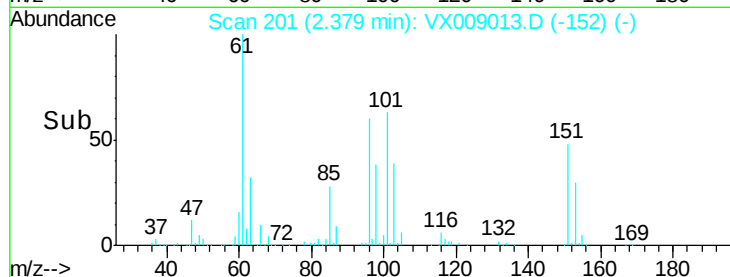
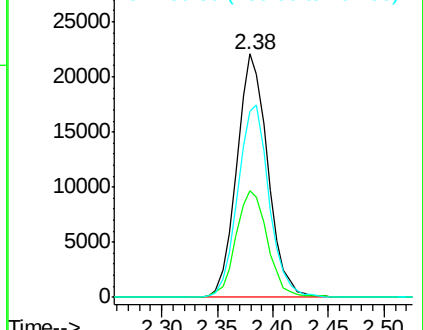
4/18/2019 10:16:08 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.575 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

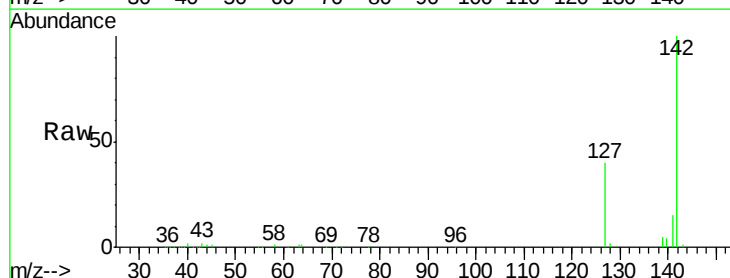
Tgt Ion:142 Resp: 45461

Ion Ratio Lower Upper

142 100

127 40.8 32.8 49.2

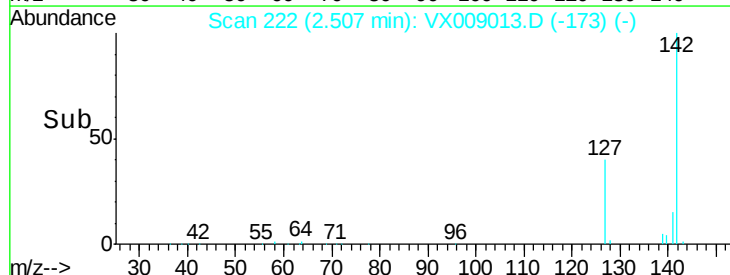
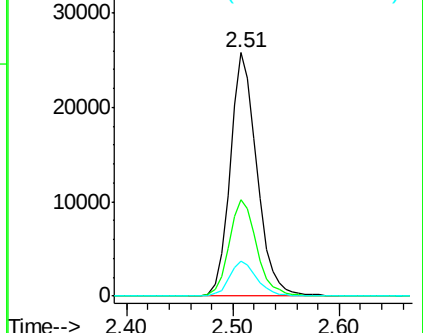
141 14.8 11.4 17.2

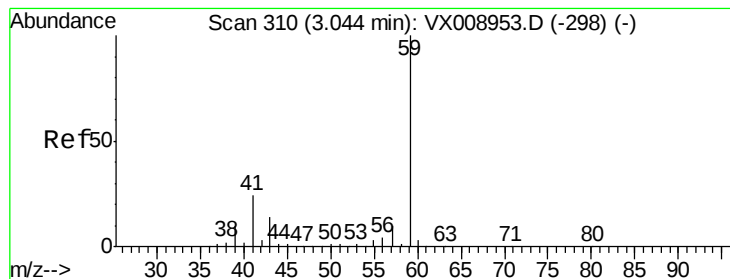


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

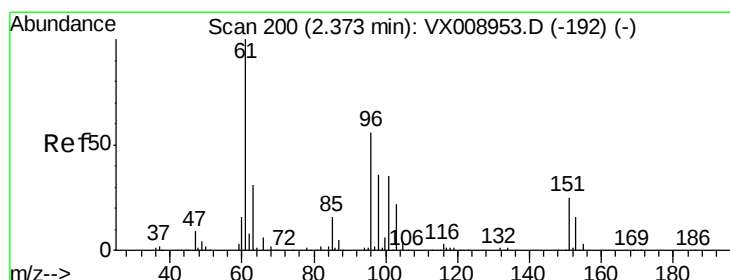
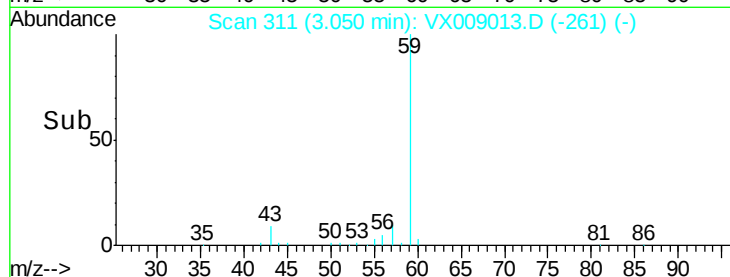
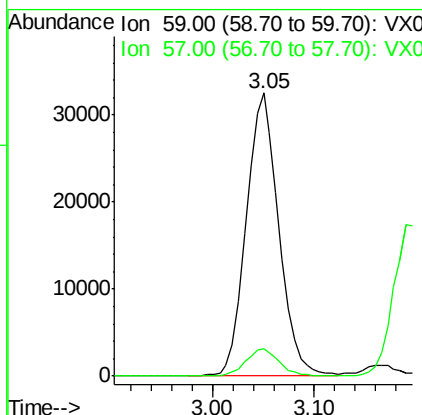
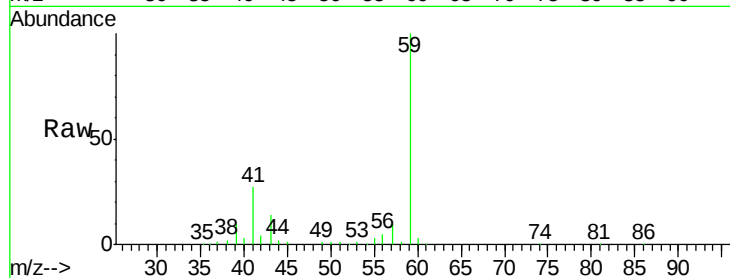
Tert butyl alcohol
 Concen: 107.292 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.4	12.6

Manual Integrations
 APPROVED

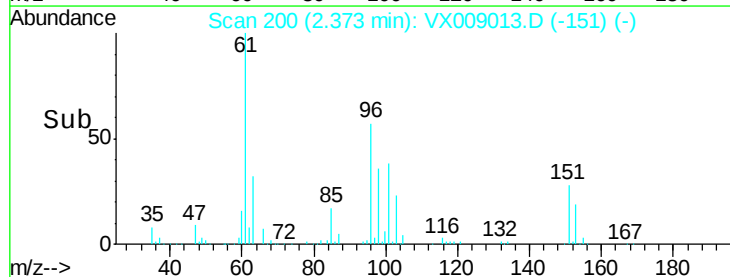
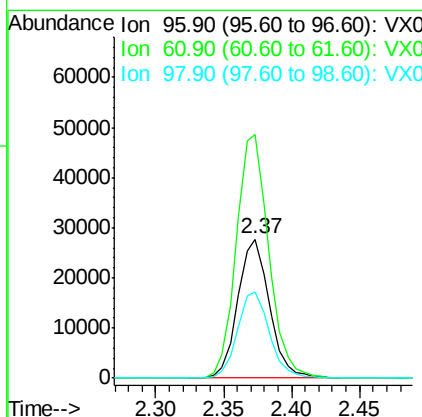
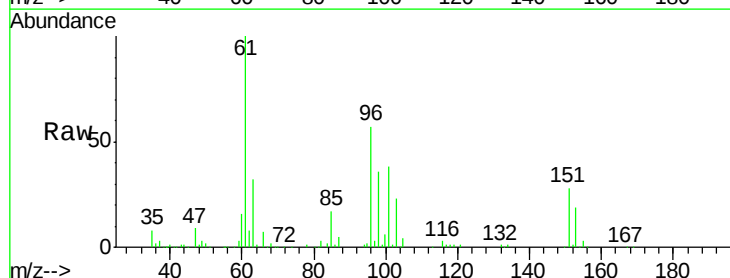
MMDadoda
 4/18/2019 10:16:08 AM

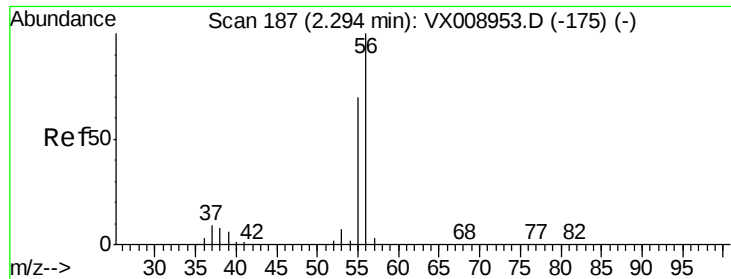


#12

1,1-Dichloroethene
 Concen: 19.465 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.5	142.2	213.2
98	62.5	50.9	76.3





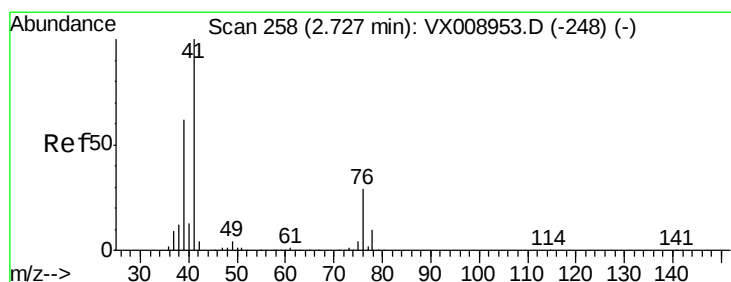
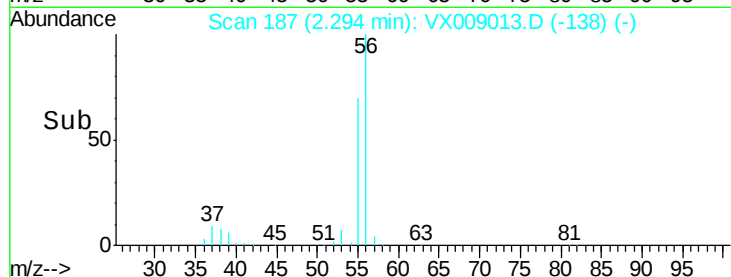
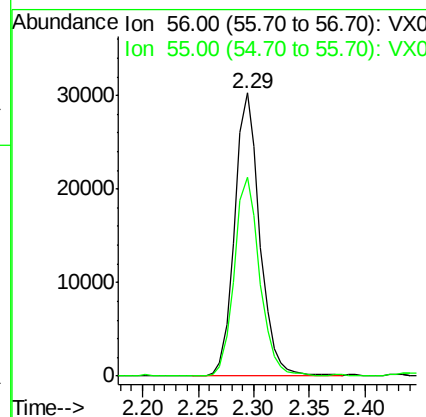
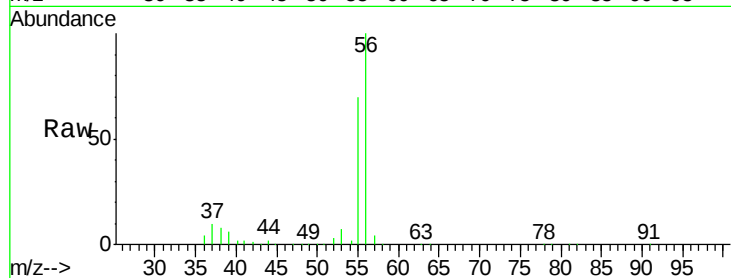
#13
Acrolein
Concen: 81.777 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.6	84.8

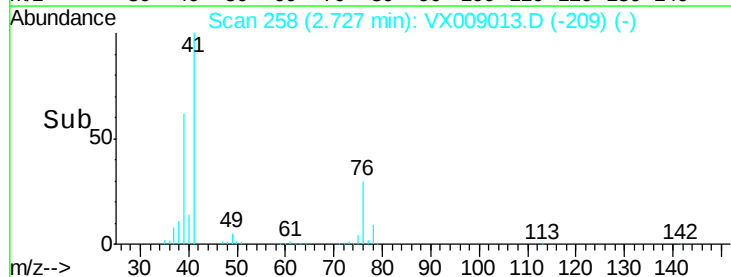
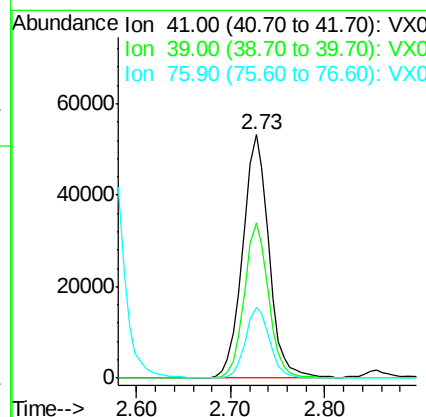
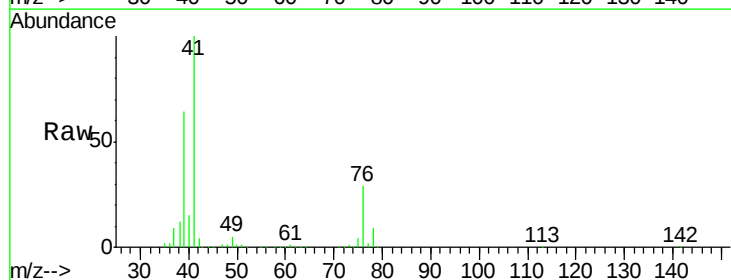
Manual Integrations
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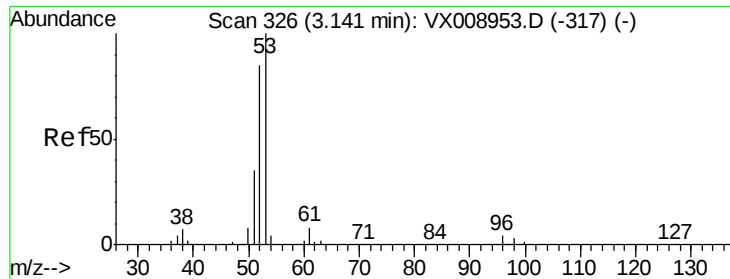
MMDadoda
4/18/2019 10:16:08 AM



#14
Allyl chloride
Concen: 20.466 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.0	46.7	70.1
76	27.1	22.0	33.0





#15

Acrylonitrile

Concen: 104.609 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

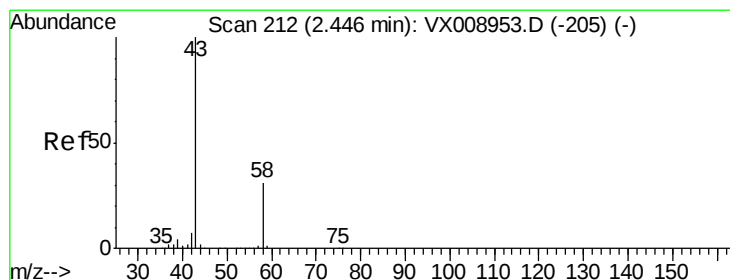
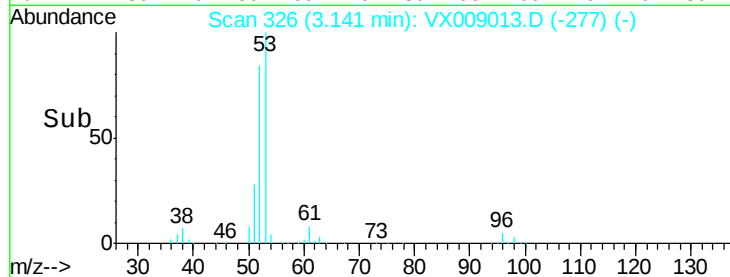
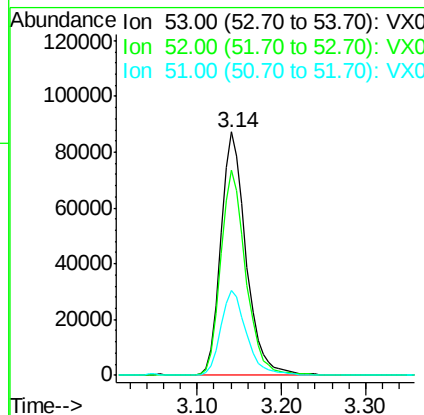
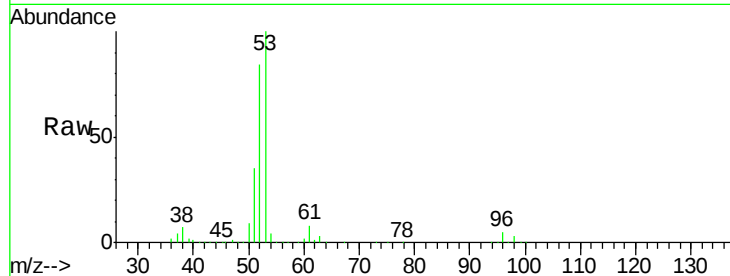
ClientSampleId :

VX0417WBSD01

Tot Ion:	53	Resp:	178608
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.6	100.0
51	35.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 101.367 ug/l

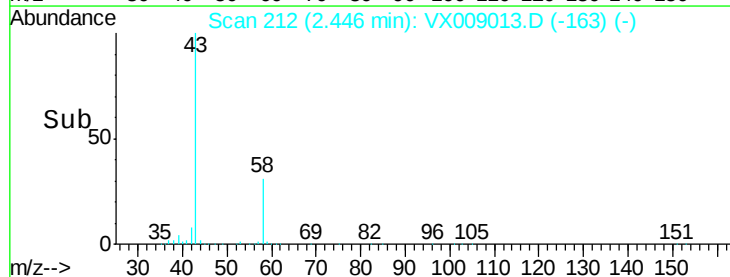
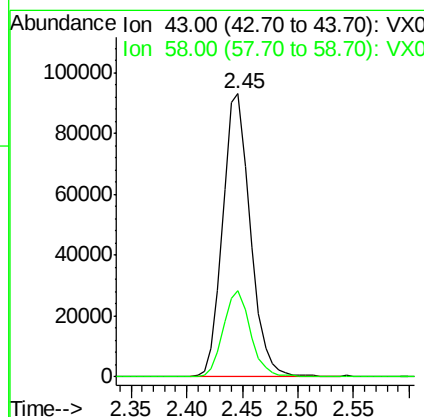
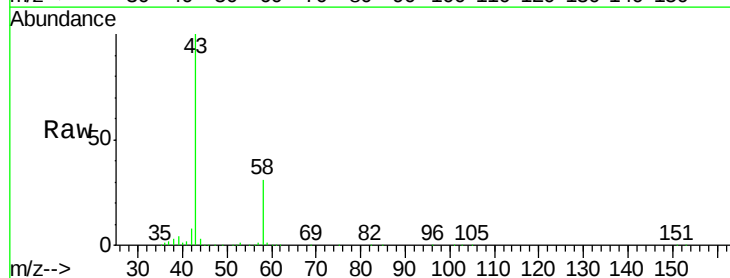
RT: 2.45 min Scan# 212

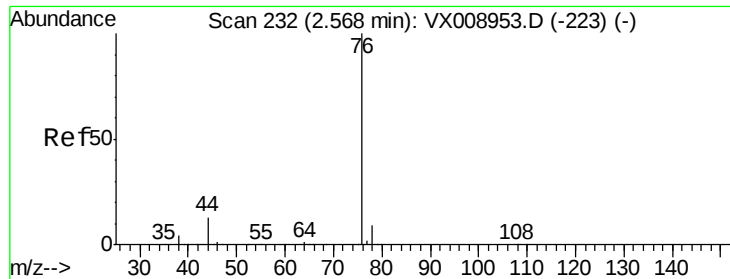
Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tgt Ion:	43	Resp:	159282
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.8	37.2





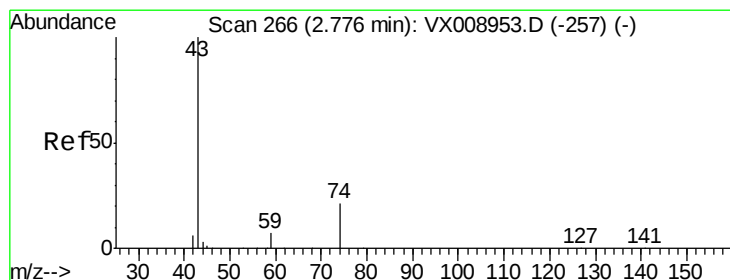
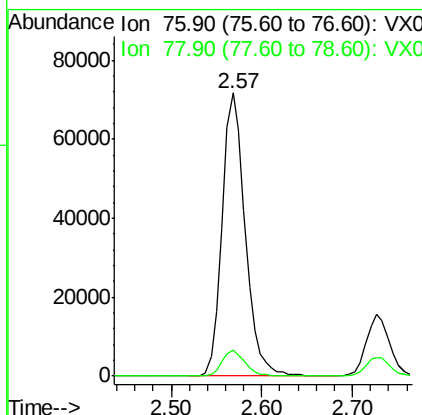
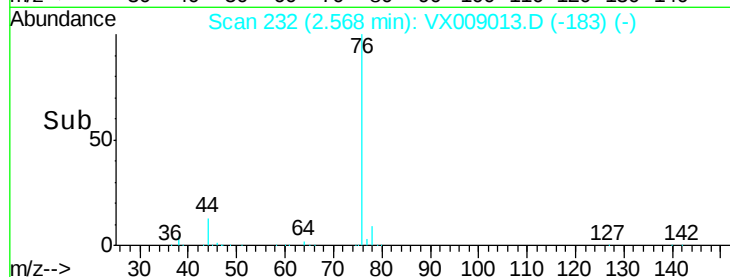
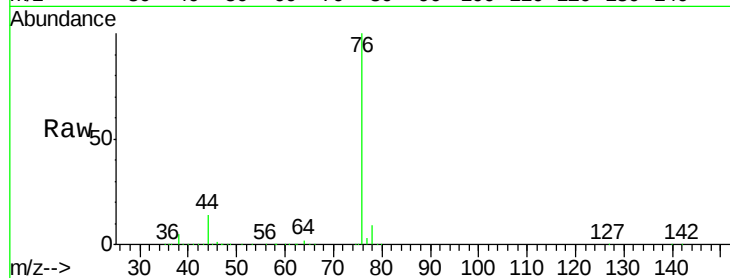
#17
Carbon Disulfide
Concen: 19.578 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

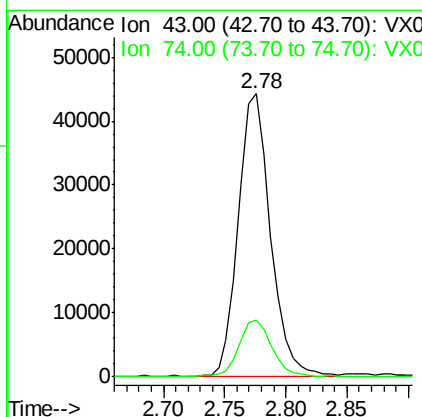
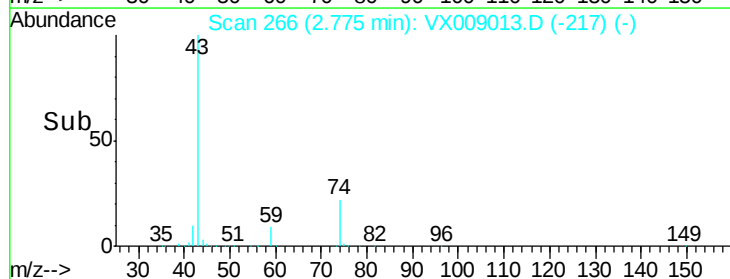
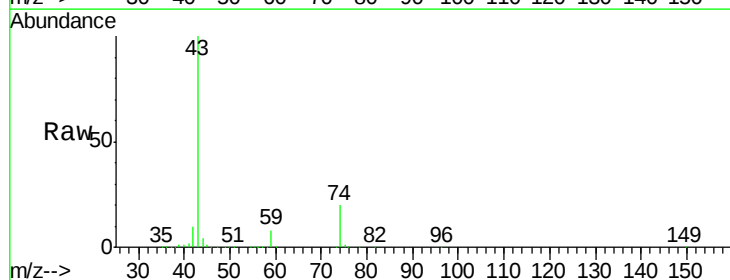
Manual Integrations
APPROVED

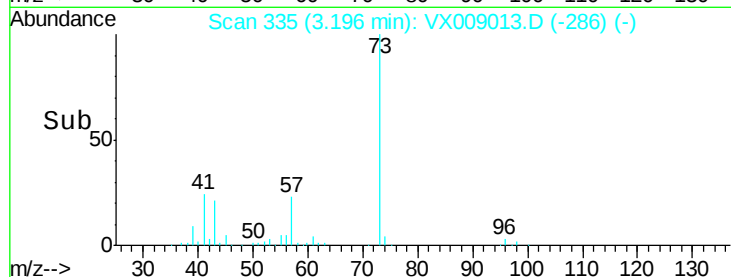
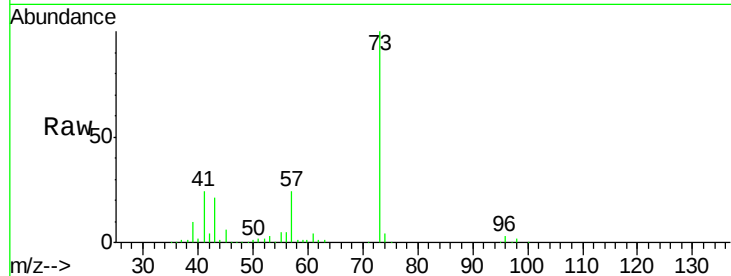
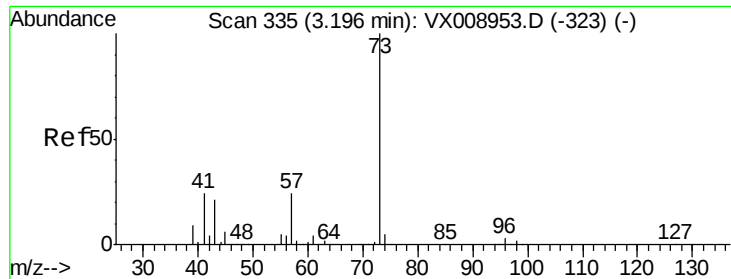
MMDadoda
4/18/2019 10:16:08 AM



#18
Methyl Acetate
Concen: 20.578 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.6	25.0





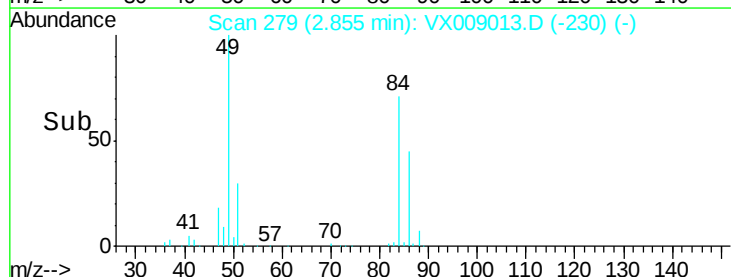
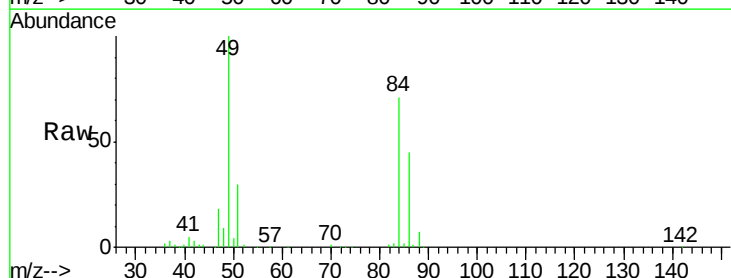
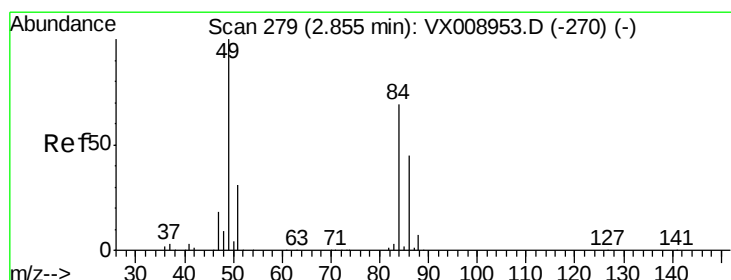
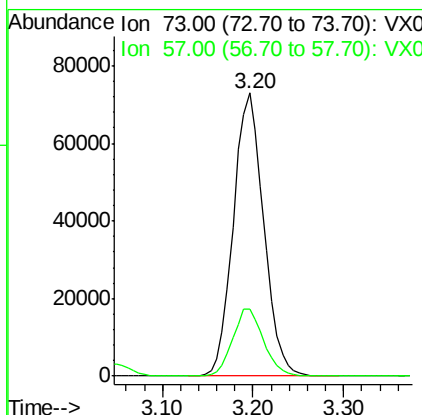
#19
Methvl tert-butvl Ether
Concen: 20.662 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tot Ion: 73 Resp: 169755
Ion Ratio Lower Upper
73 100
57 23.6 19.2 28.8

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

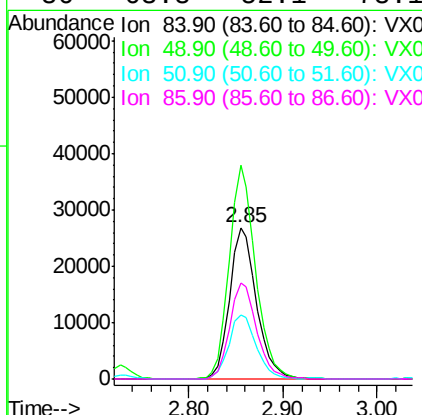
Manual Integrations
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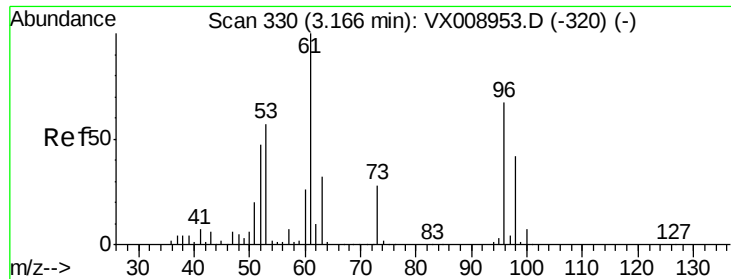
MMDadoda
4/18/2019 10:16:08 AM



#20
Methylene Chloride
Concen: 19.807 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion: 84 Resp: 53225
Ion Ratio Lower Upper
84 100
49 141.0 115.4 173.0
51 42.4 35.8 53.6
86 63.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.709 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 96 Resp: 48472

Ion Ratio Lower Upper

96 100

61 159.1 120.3 180.5

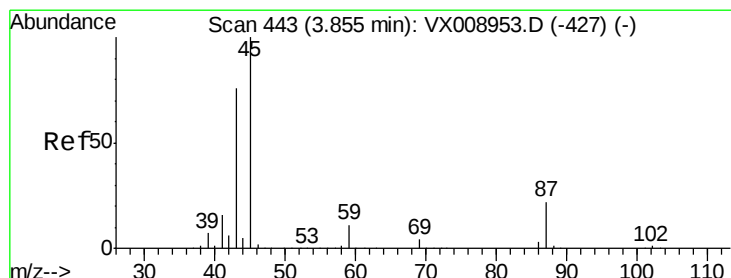
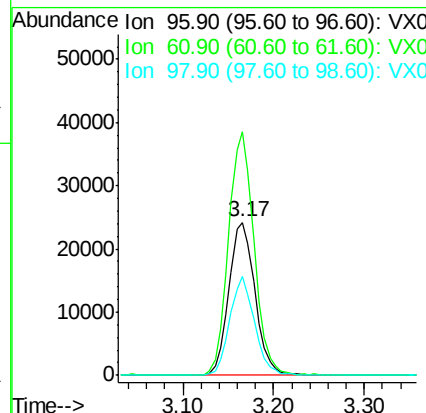
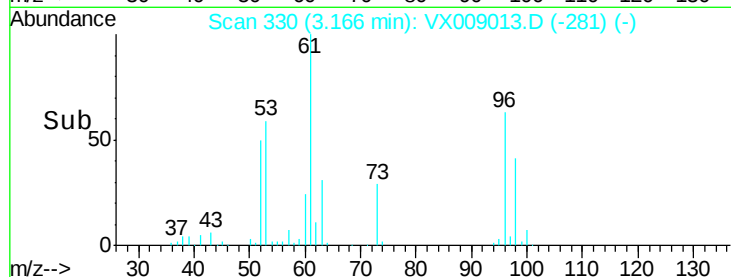
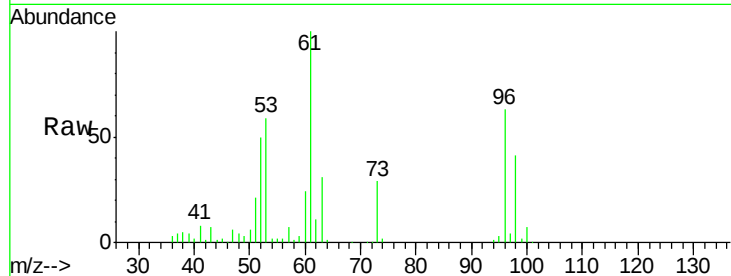
98 64.7 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.007 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tgt Ion: 45 Resp: 205348

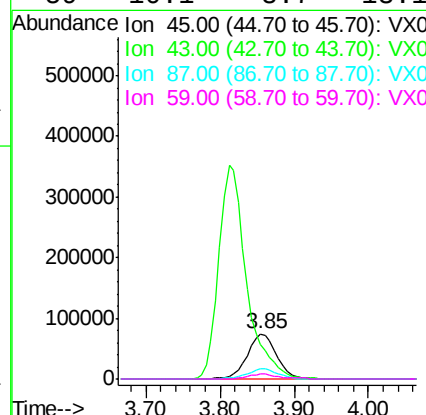
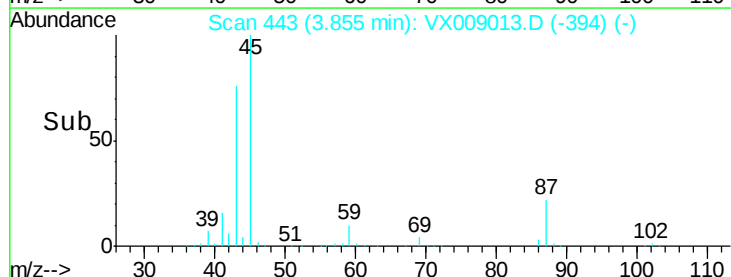
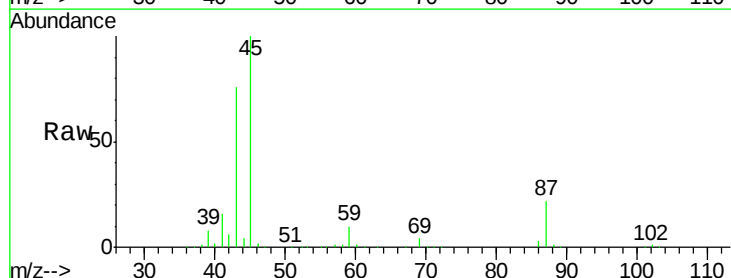
Ion Ratio Lower Upper

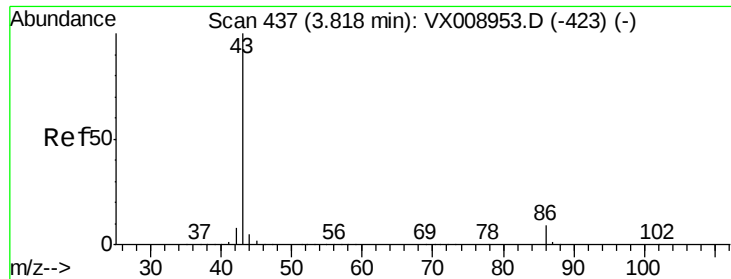
45 100

43 75.5 60.6 91.0

87 21.6 17.8 26.8

59 10.1 8.7 13.1





#23

Vinyl Acetate

Concen: 106.274 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 43 Resp: 913168

Ion Ratio Lower Upper

43 100

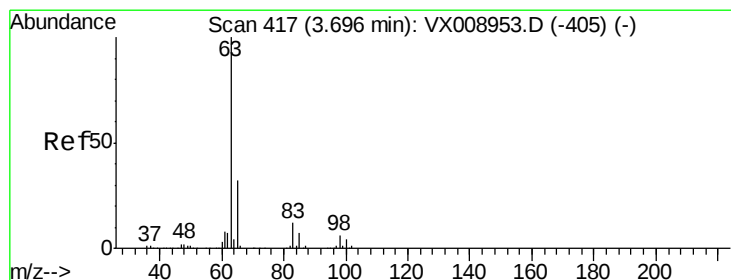
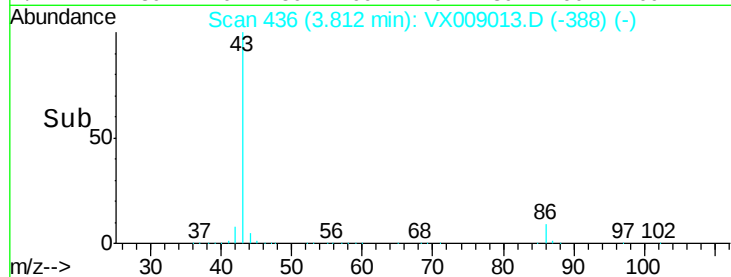
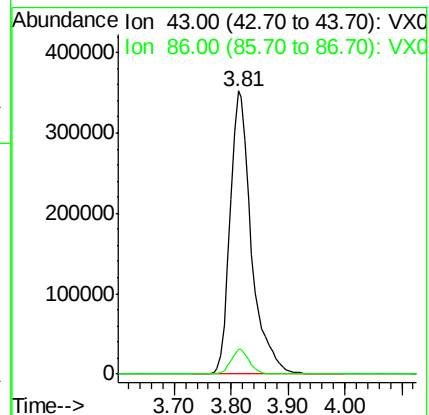
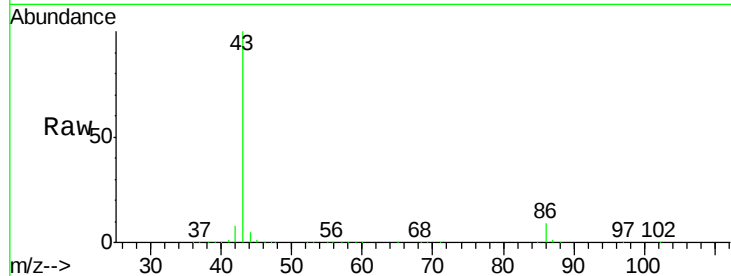
86 8.7 7.1 10.7

Manual Integrations

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MMDadoda

4/18/2019 10:16:08 AM



#24

1,1-Dichloroethane

Concen: 20.266 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

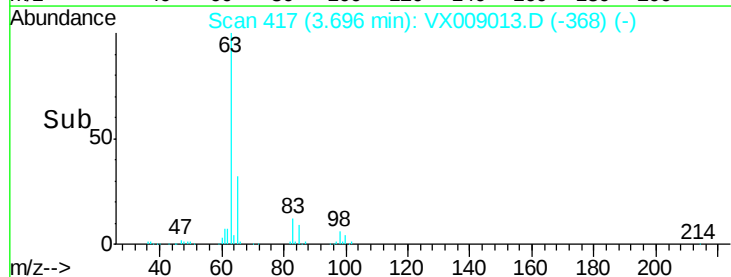
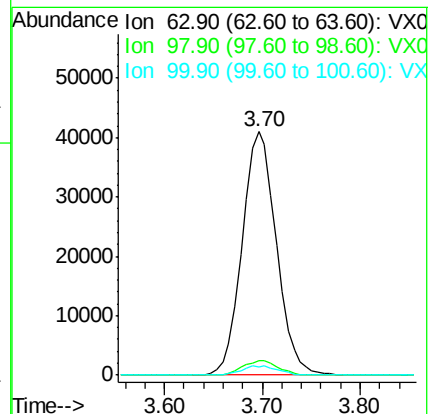
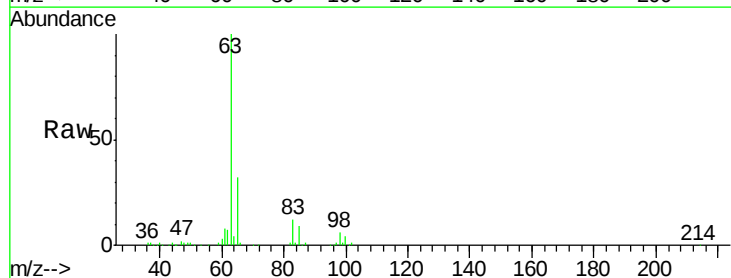
Tgt Ion: 63 Resp: 99444

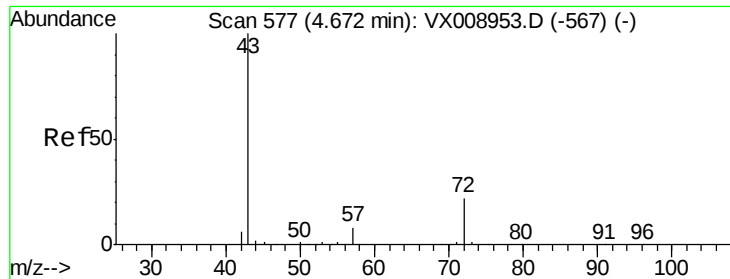
Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 106.273 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tot Ion: 43 Resp: 266924

Ion Ratio Lower Upper

43 100

72 22.4 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

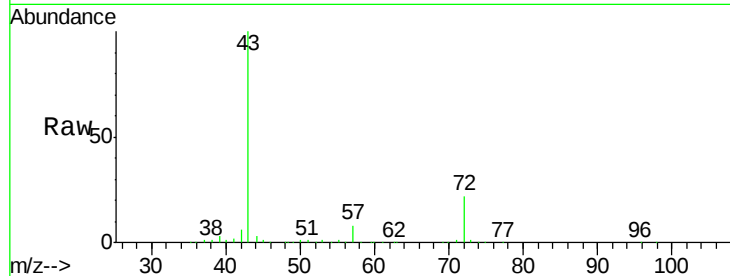
VX0417WBSD01

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

4.67

100000

80000

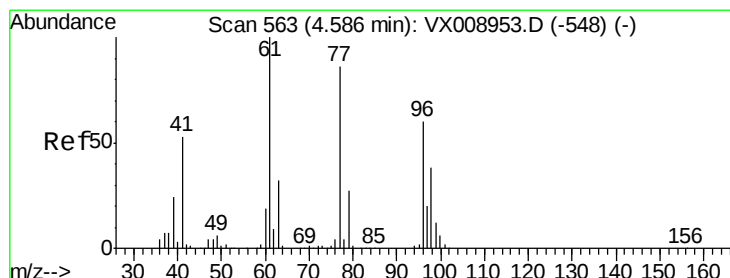
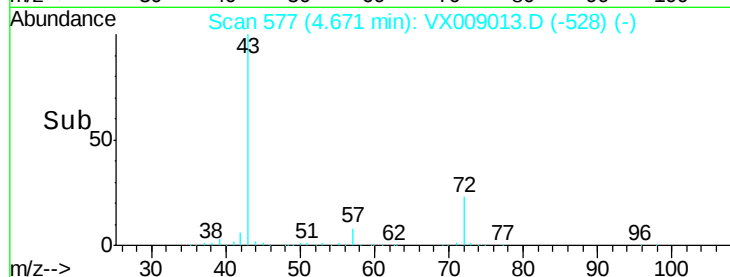
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 18.185 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009013.D

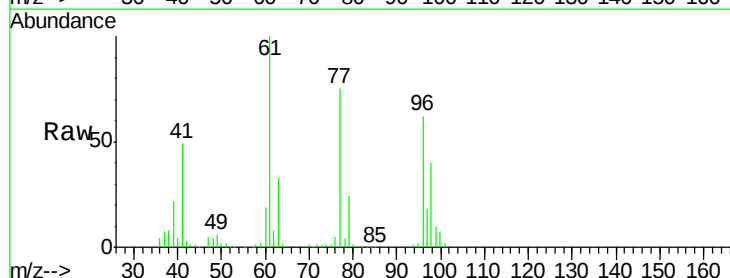
Acq: 17 Apr 2019 14:37

Tgt Ion: 77 Resp: 66887

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

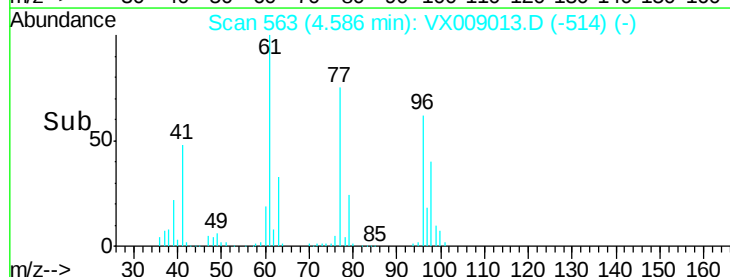
15000

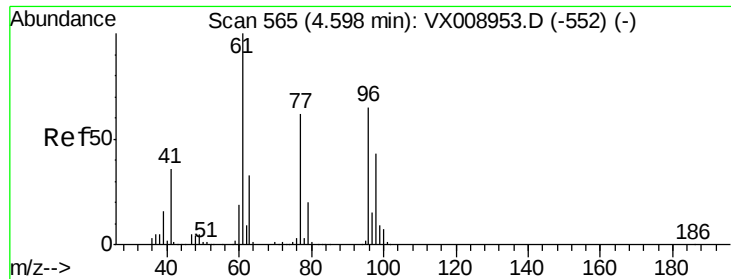
10000

5000

0

Time-->





#27

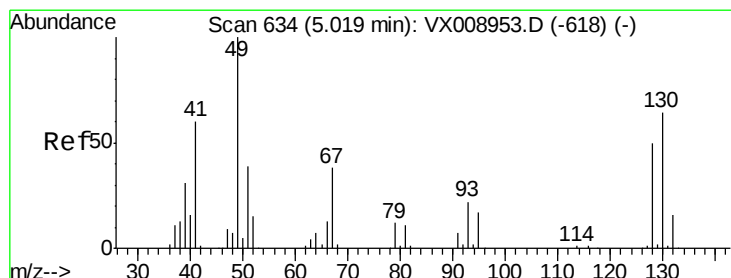
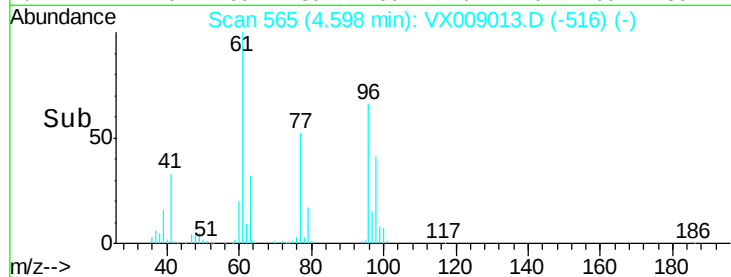
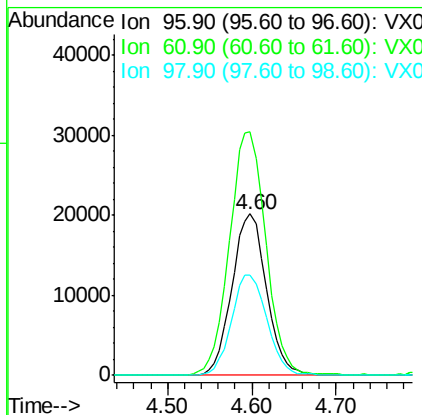
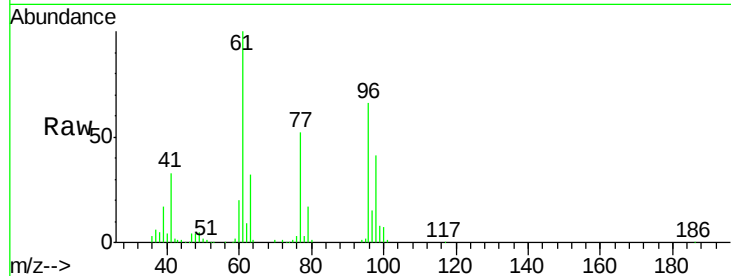
cis-1,2-Dichloroethene
Concen: 20.097 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.7	0.0	322.0	
98	64.1	0.0	128.4	

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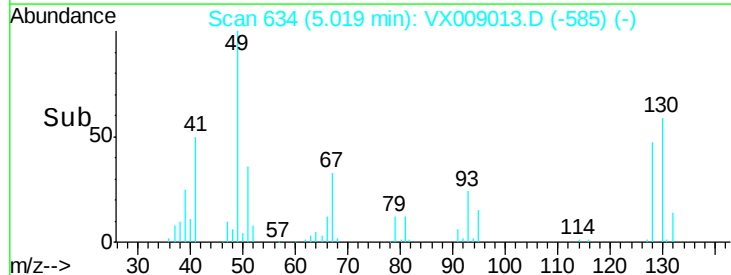
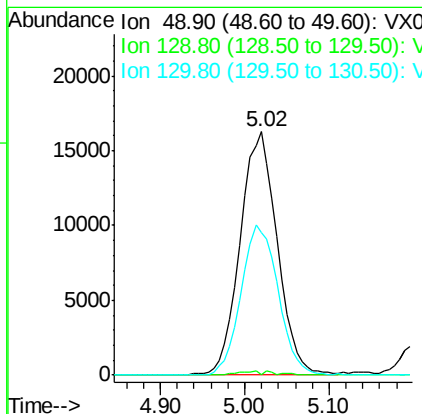
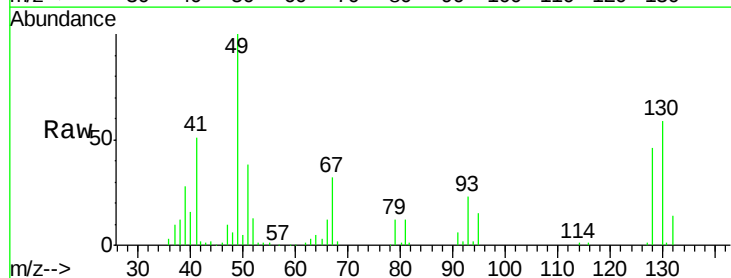
MMDadoda
4/18/2019 10:16:08 AM

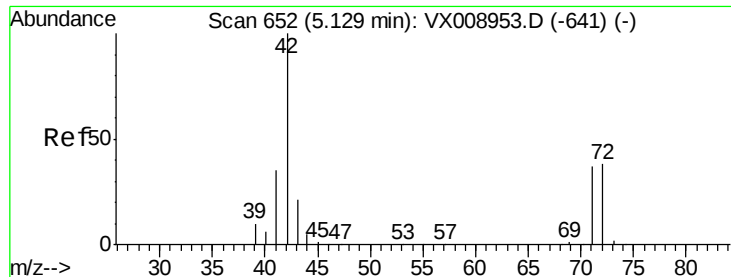


#28

Bromochloromethane
Concen: 22.827 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.4	0.0	3.6	
130	0.0	50.4	75.6#	





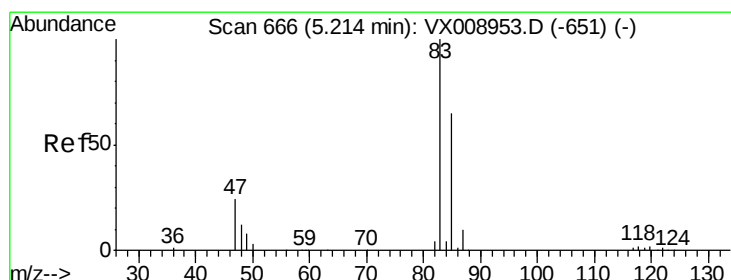
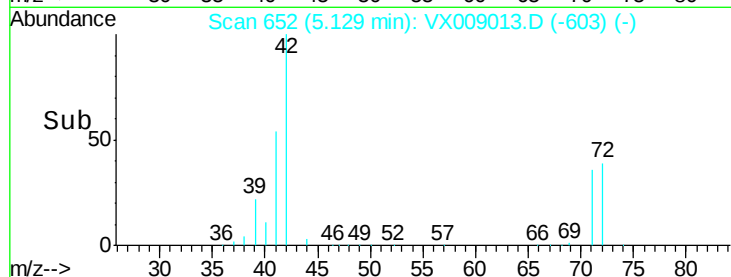
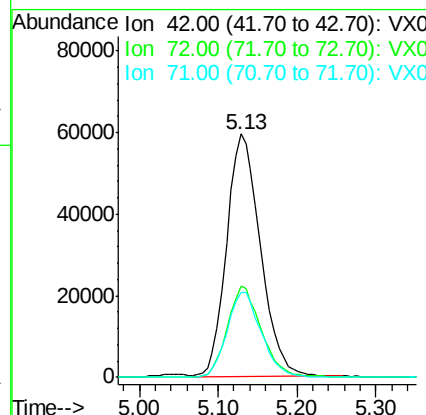
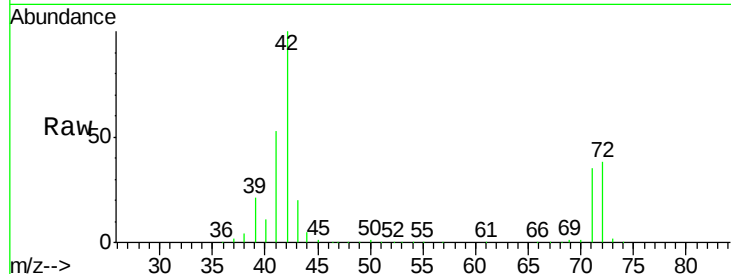
#29
Tetrahydrofuran
Concen: 105.611 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.6	45.8
71	35.8	28.8	43.2

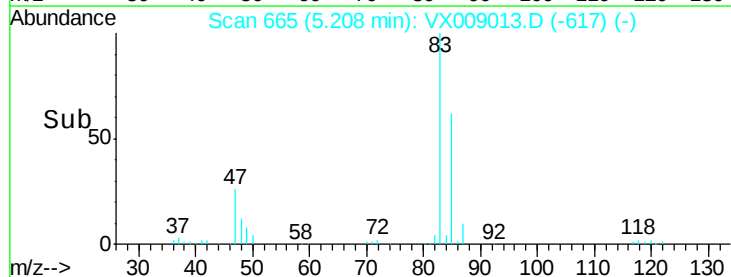
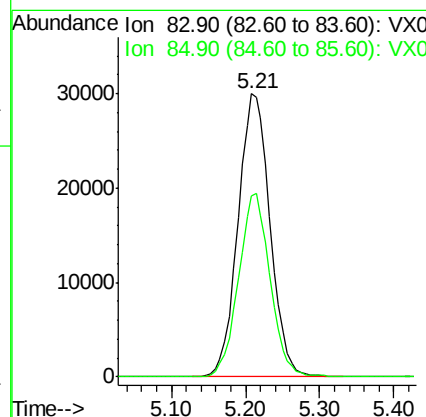
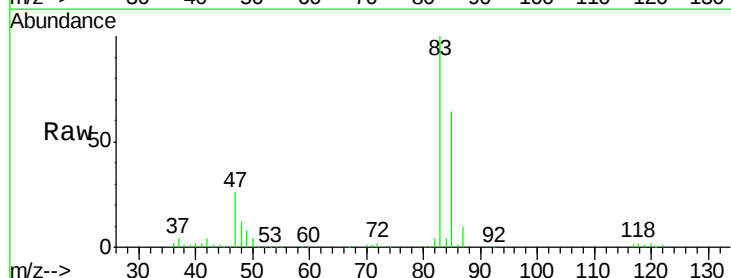
Manual Integrations
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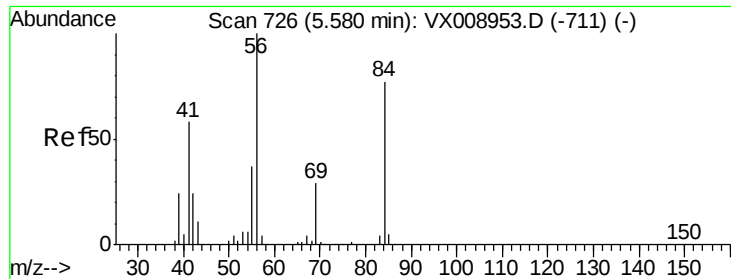
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#30
Chloroform
Concen: 20.602 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.9	77.9





#31

Cyclohexane

Concen: 19.839 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleID :

VX0417WBSD01

Tot Ion: 56 Resp: 95746

Ion Ratio Lower Upper

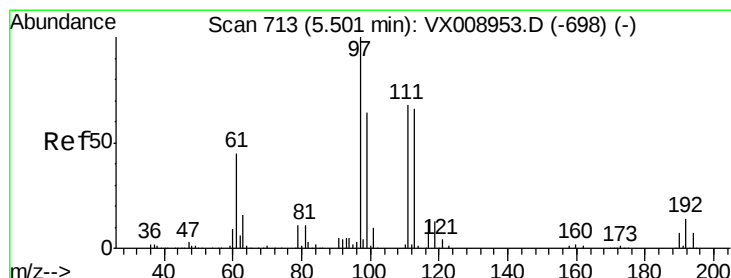
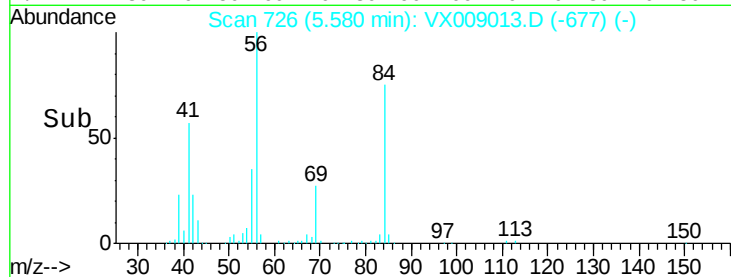
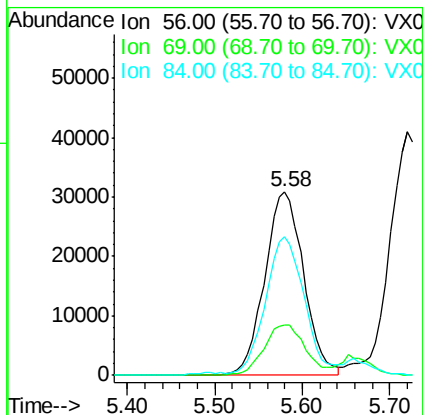
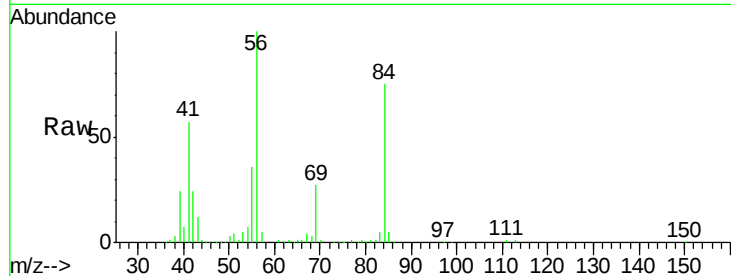
56 100

69 27.2 23.3 34.9

84 74.4 61.7 92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.200 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

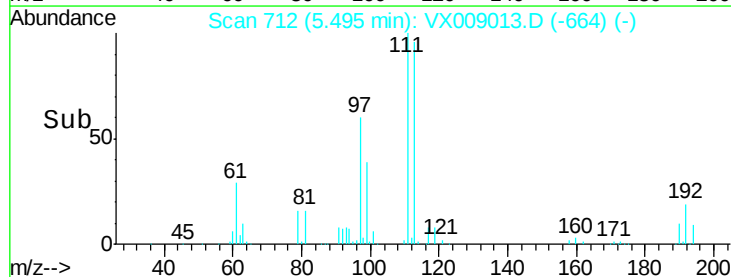
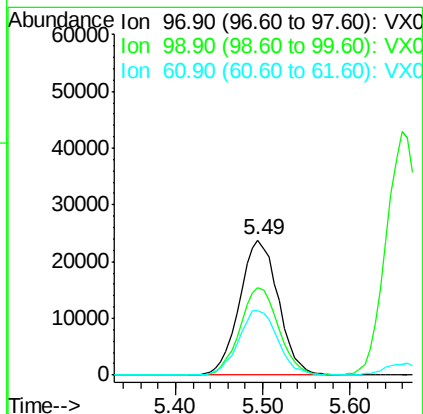
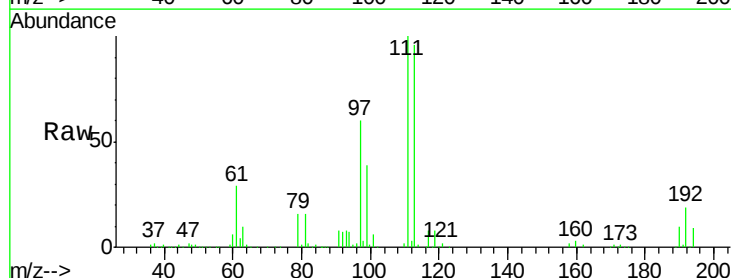
Tgt Ion: 97 Resp: 73514

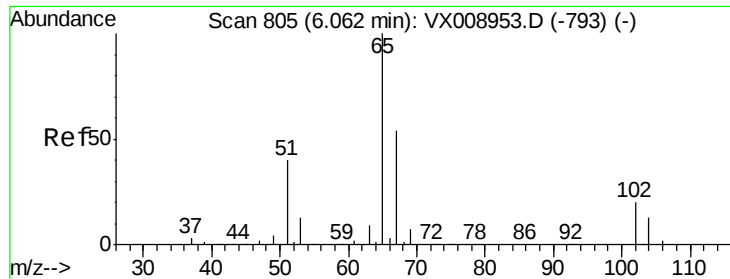
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 48.1 37.9 56.9





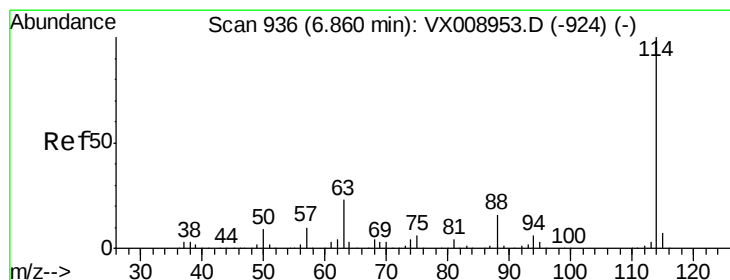
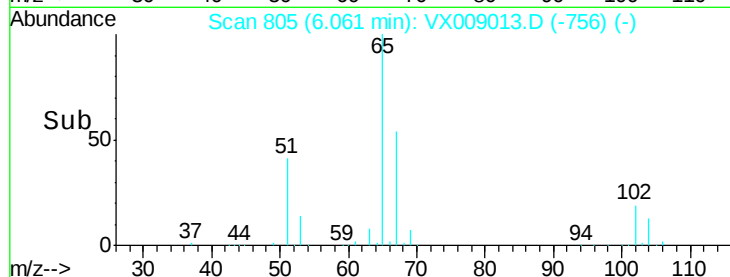
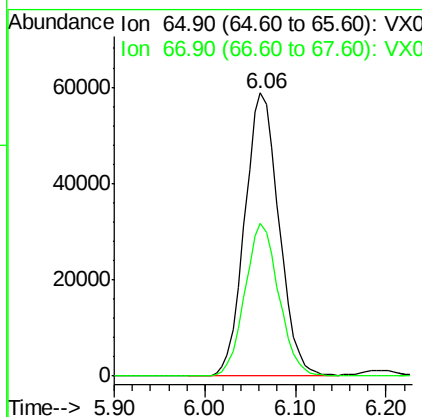
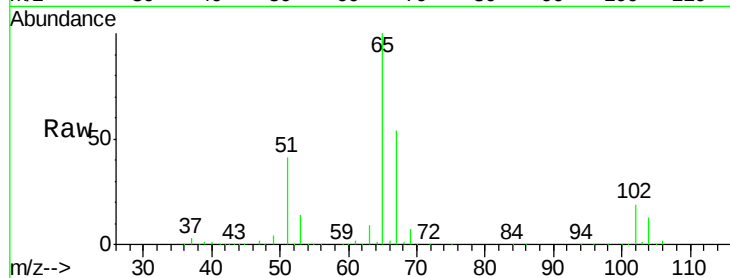
#33
 1,2-Dichloroethane-d4
 Concen: 50.851 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	108.6

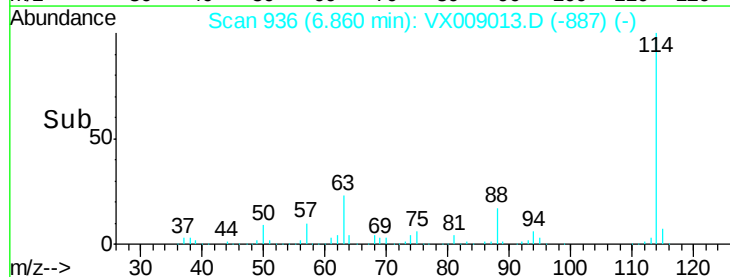
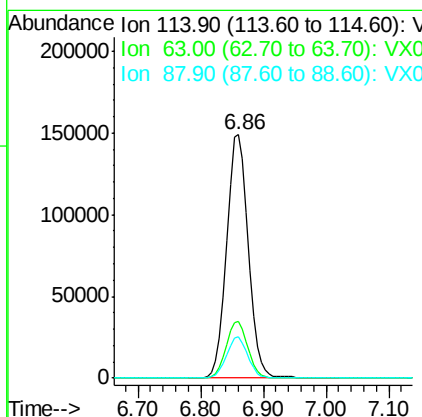
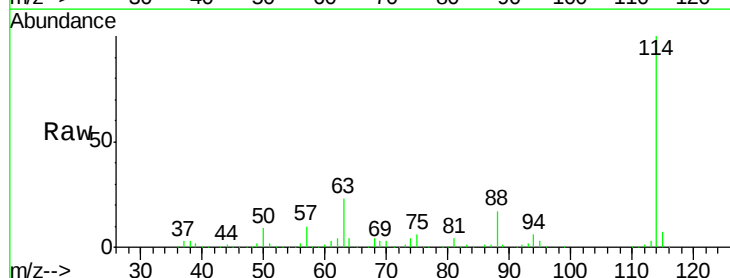
Manual Integrations
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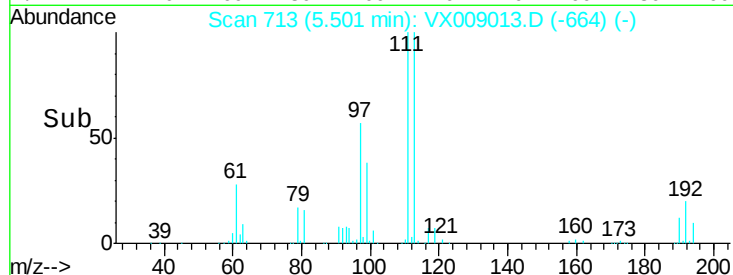
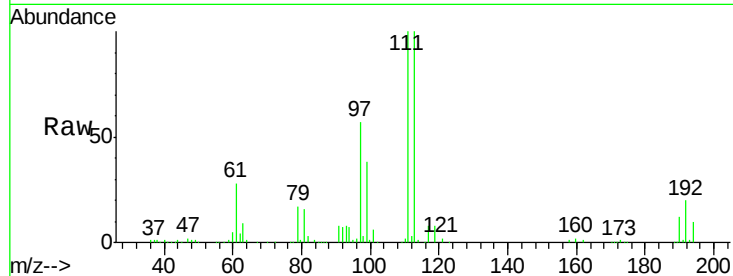
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.0
88	16.9	0.0	32.6





#35

Dibromofluoromethane

Concen: 48.749 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009013.D

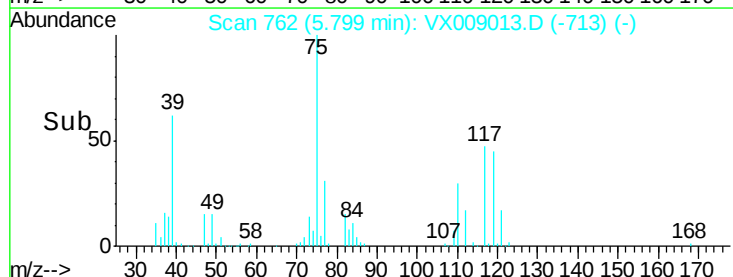
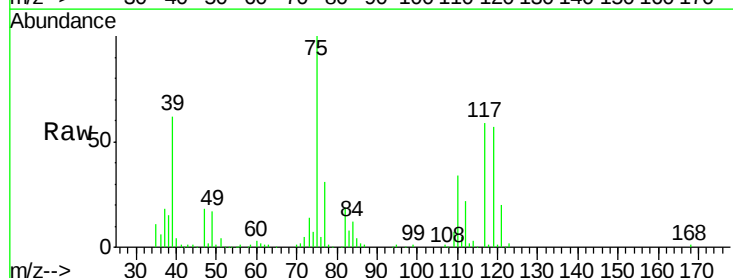
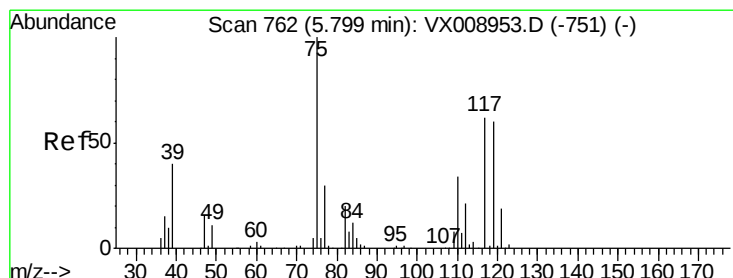
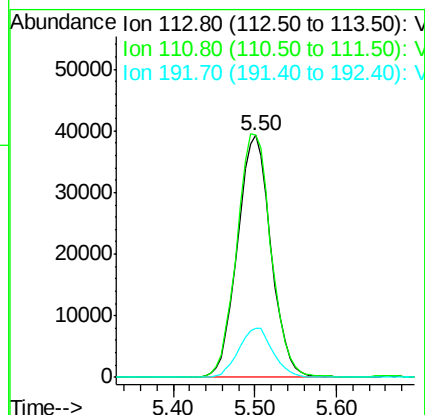
Acq: 17 Apr 2019 14:37

Tot Ion:	113	Resp:	111544
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	20.8	17.4	26.0

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.894 ug/l

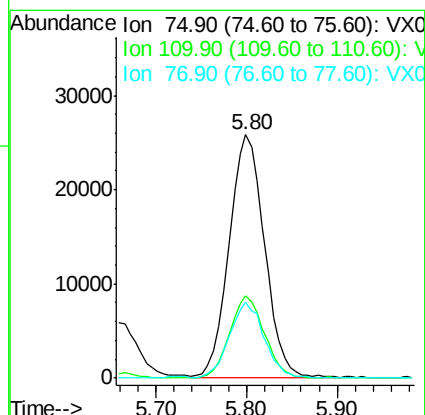
RT: 5.80 min Scan# 762

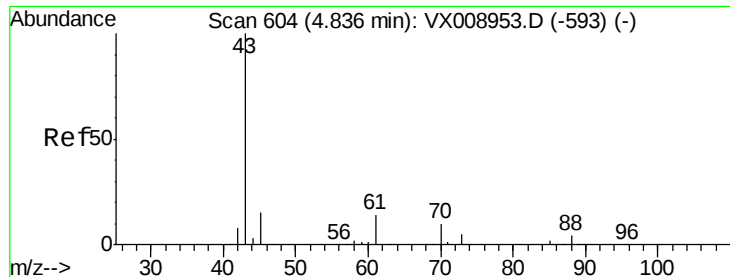
Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tgt Ion:	75	Resp:	69669
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.7
77	30.9	25.0	37.4





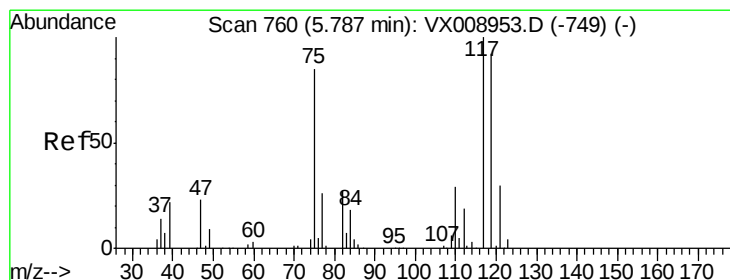
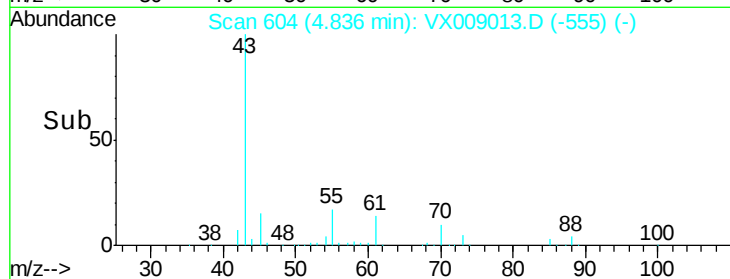
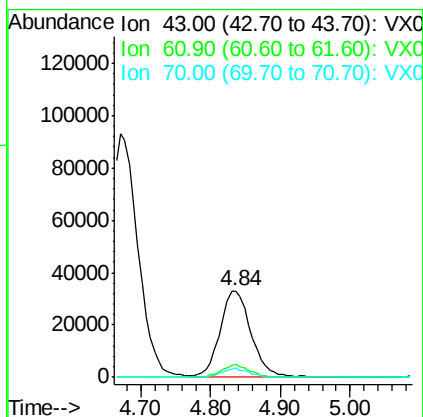
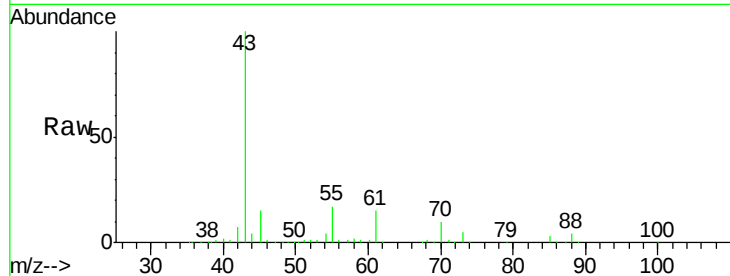
#37
Ethyl Acetate
Concen: 21.156 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.8	7.7	11.5

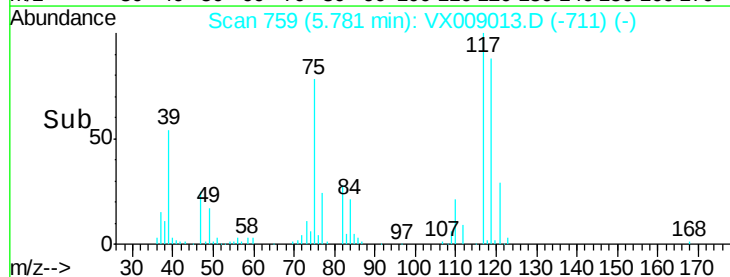
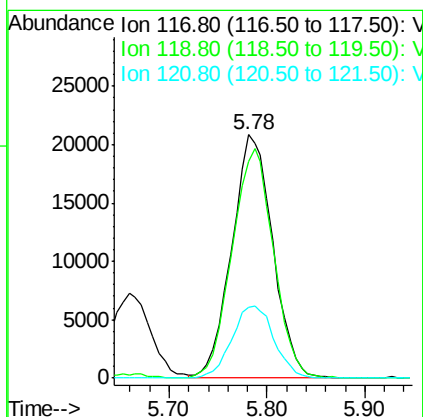
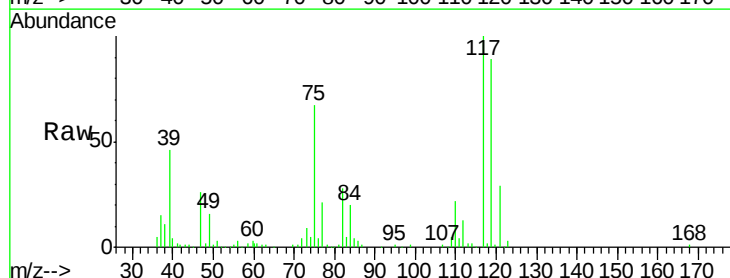
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.399 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.6	73.8	110.8
121	29.1	23.6	35.4





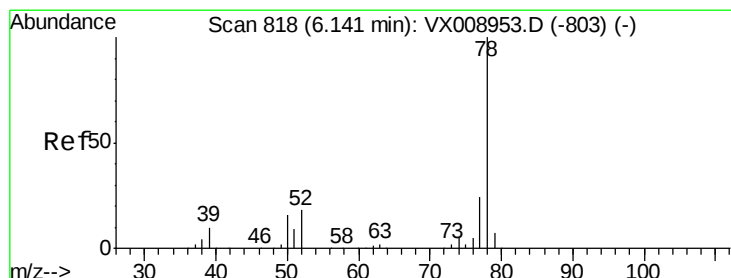
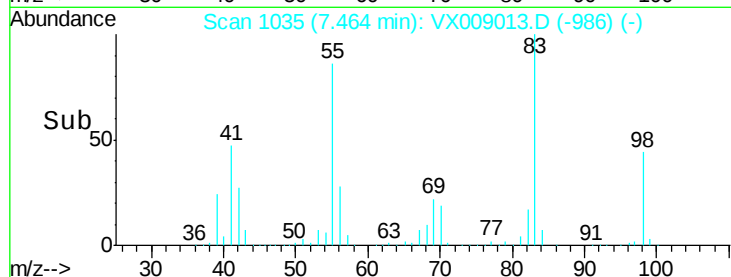
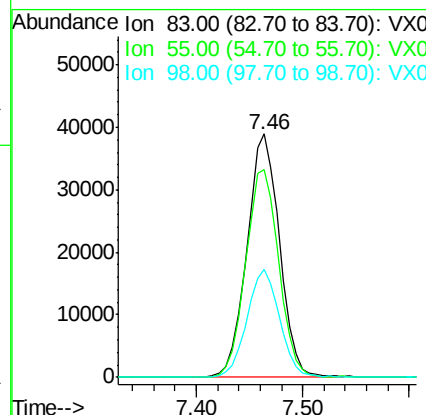
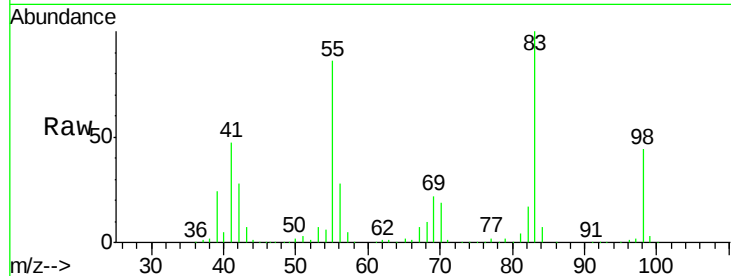
#39
Methvlcvclohexane
Concen: 18.622 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	67.1	100.7
98	44.3	35.1	52.7

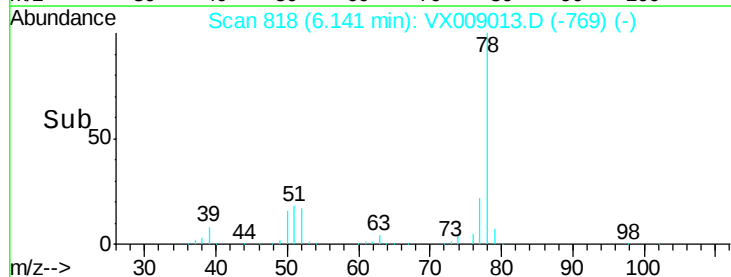
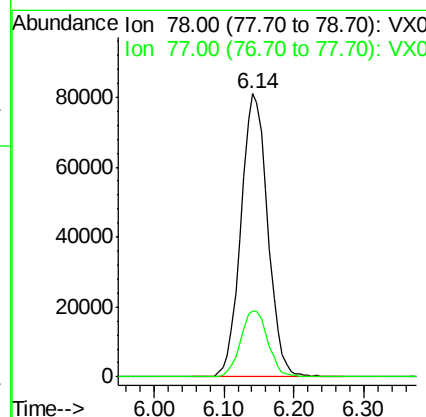
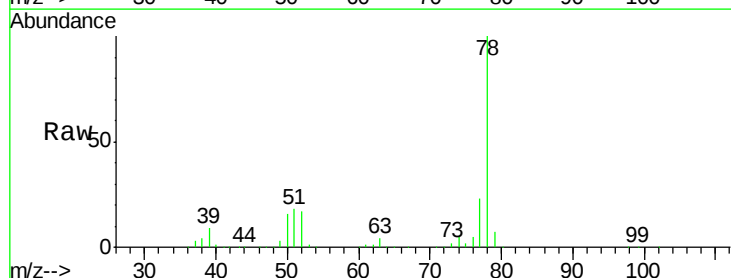
Manual Integrations
APPROVED

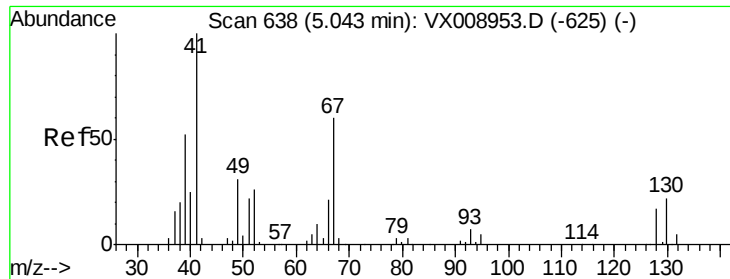
MMDadoda
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#40
Benzene
Concen: 19.795 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





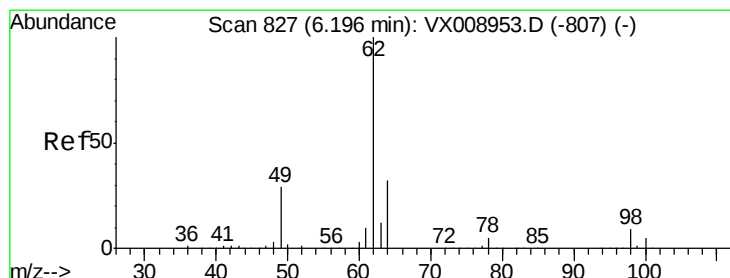
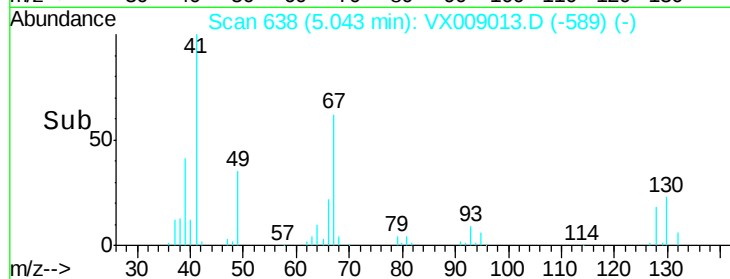
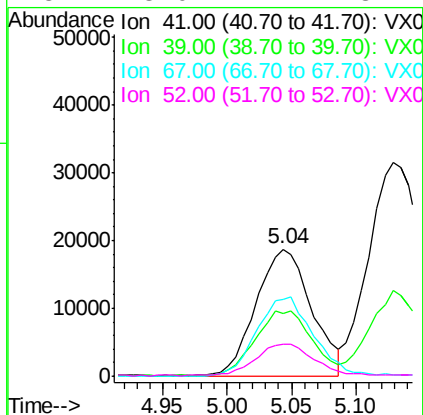
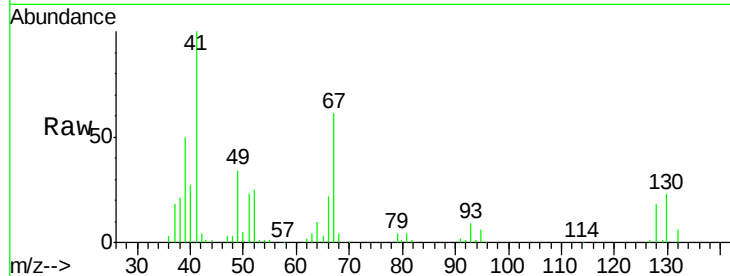
#41
Methacrylonitrile
Concen: 20.536 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	41.8	62.6
67	64.5	50.2	75.4
52	28.0	21.1	31.7

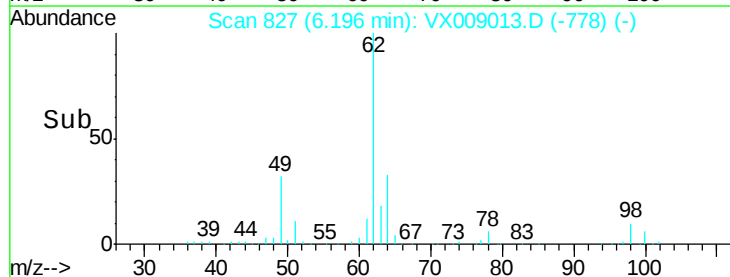
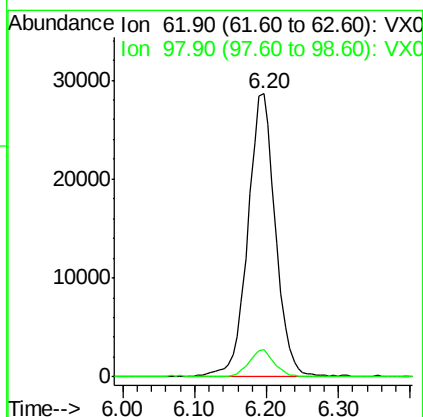
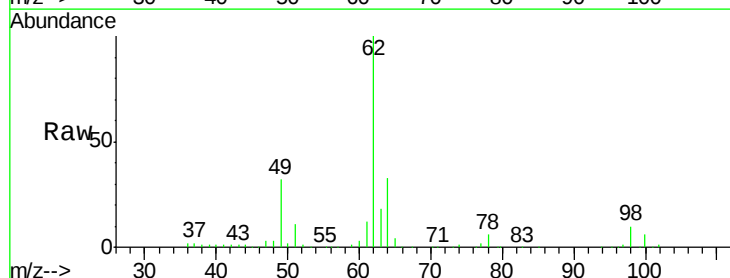
Manual Integrations
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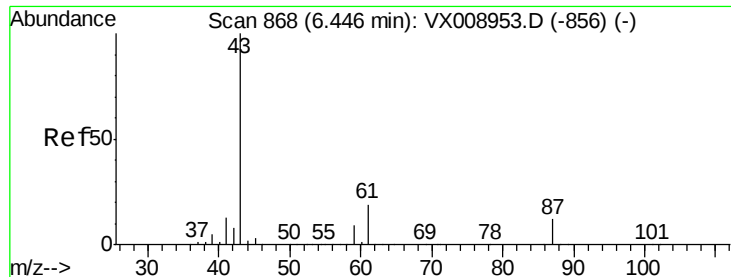
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.803 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4





#43

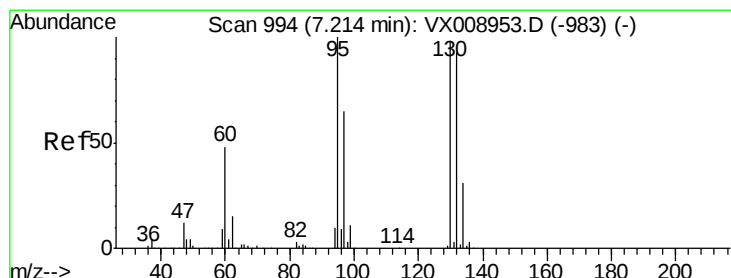
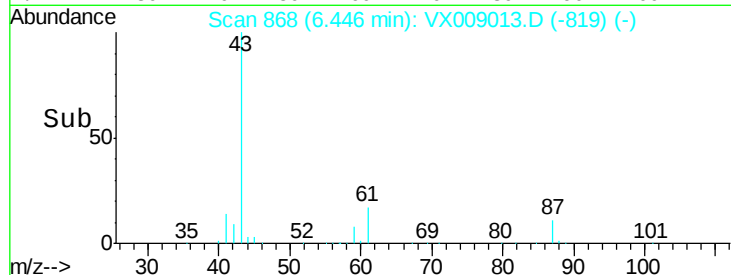
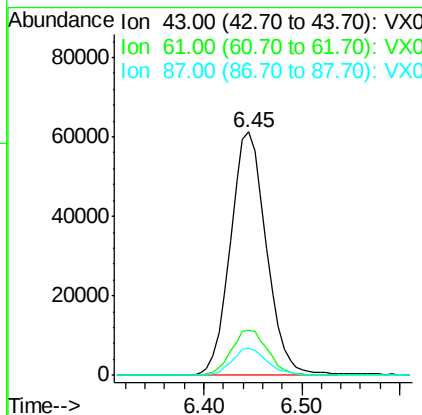
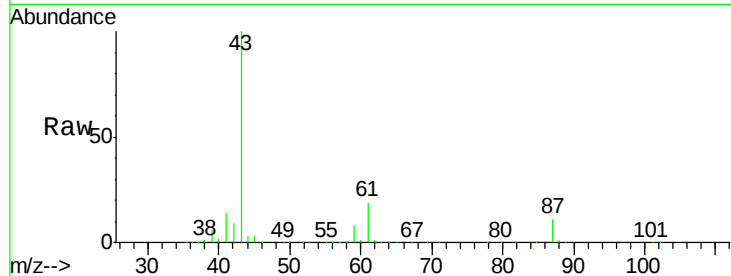
Isopropyl Acetate
 Concen: 20.315 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	11.1	9.0	13.4

Manual Integrations
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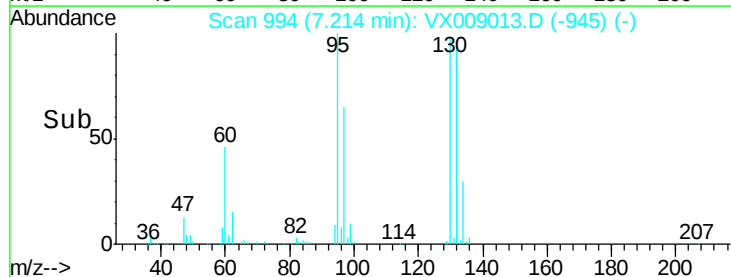
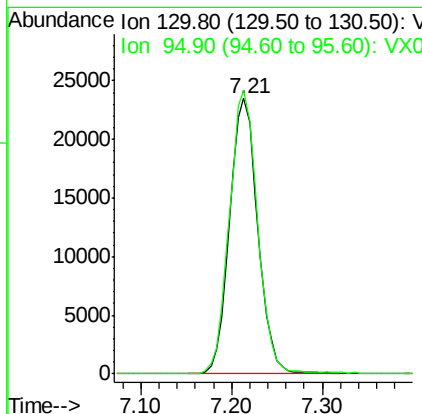
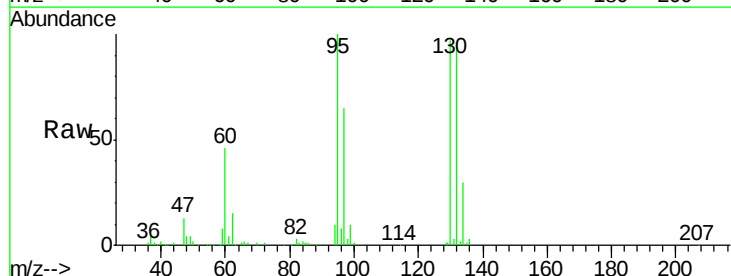
MMDadoda
 4/18/2019 10:16:08 AM

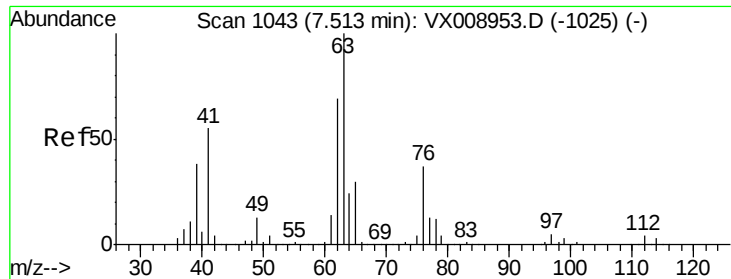


#44

Trichloroethene
 Concen: 18.970 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	203.2





#45

1,2-Dichloropropane

Concen: 20.337 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 63 Resp: 61371

Ion Ratio Lower Upper

63 100

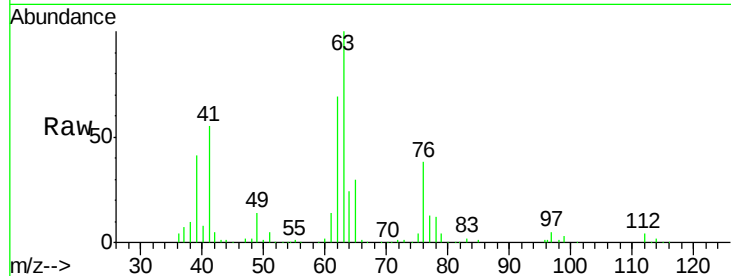
65 30.2 24.1 36.1

Manual Integrations

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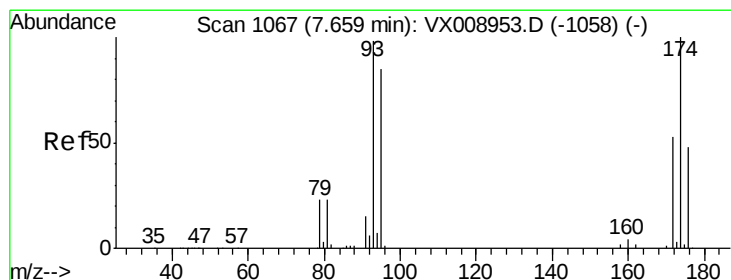
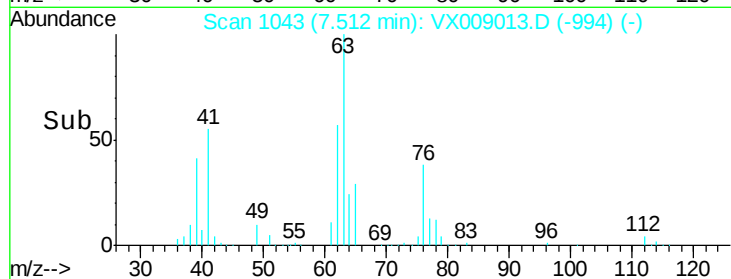
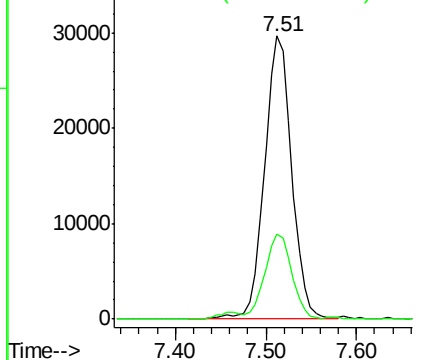
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.529 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

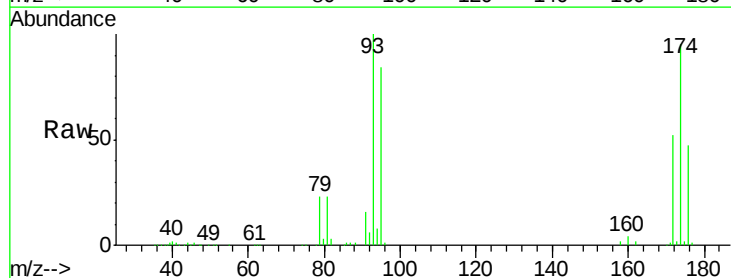
Tgt Ion: 93 Resp: 34299

Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.4

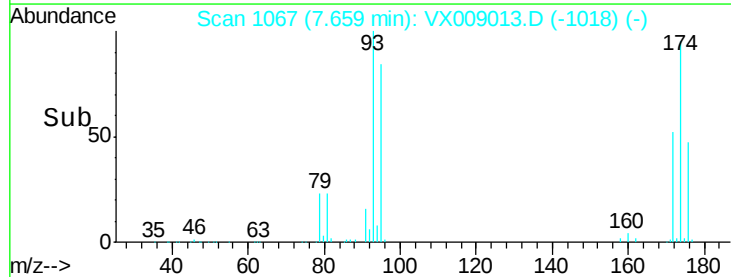
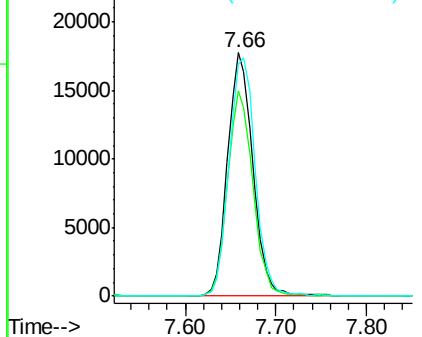
174 101.6 81.6 122.4

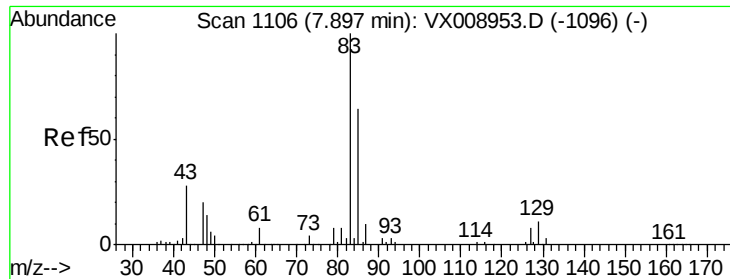


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





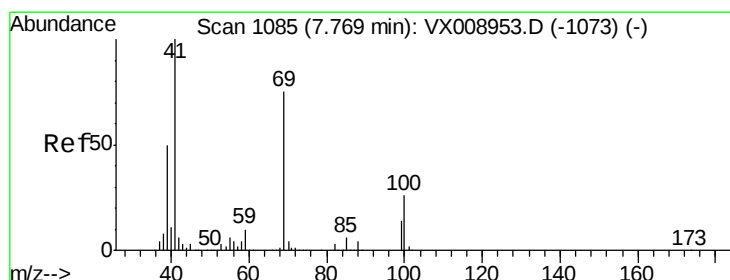
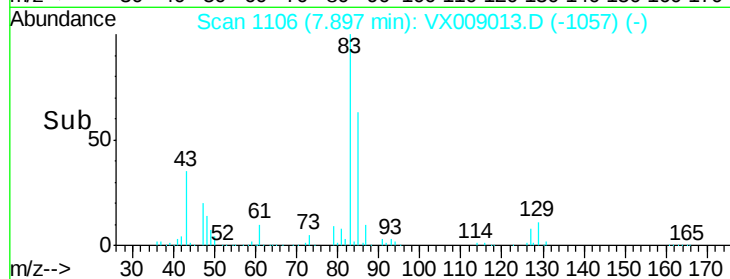
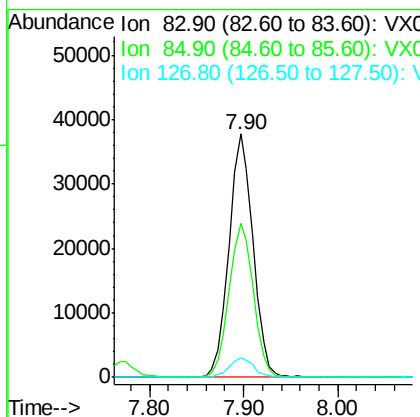
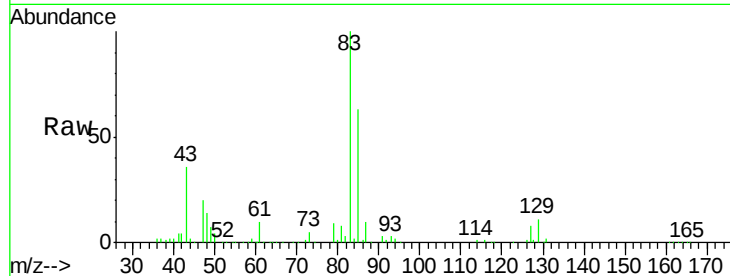
#47
Bromodichloromethane
Concen: 19.410 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	83	Resp	66860
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	50.8	76.2
127	8.1	6.4	9.6

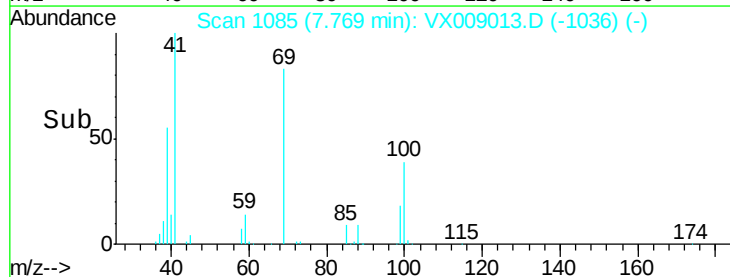
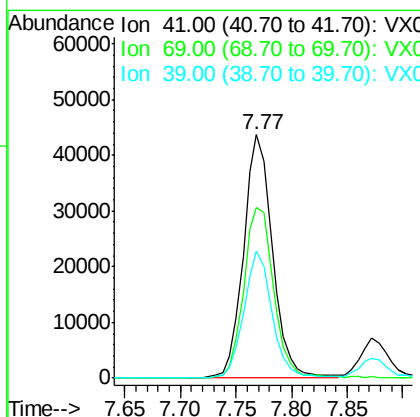
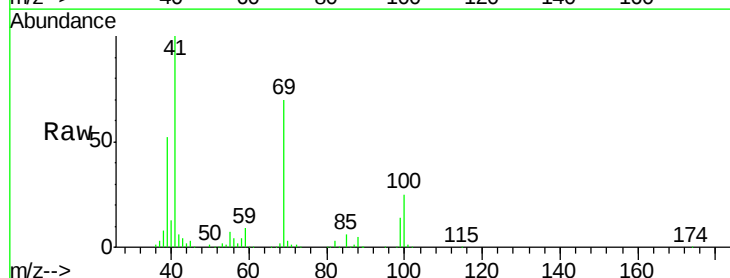
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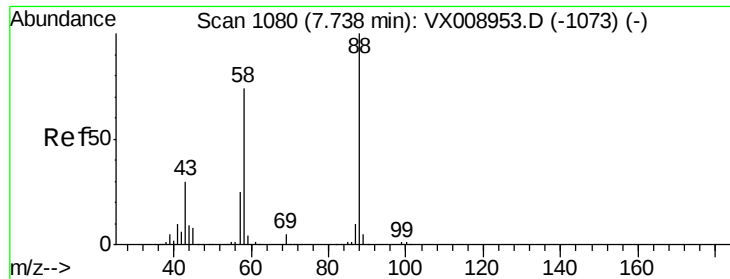
MMDadoda
4/18/2019 10:16:08 AM



#48
Methyl methacrylate
Concen: 20.843 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	41	Resp	78744
Ion Ratio	100	Lower	Upper
41	100		
69	72.8	59.4	89.2
39	50.2	39.8	59.6





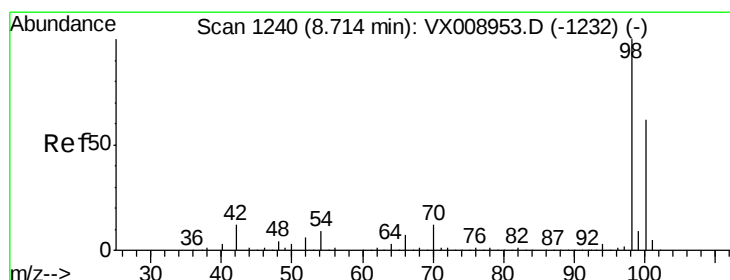
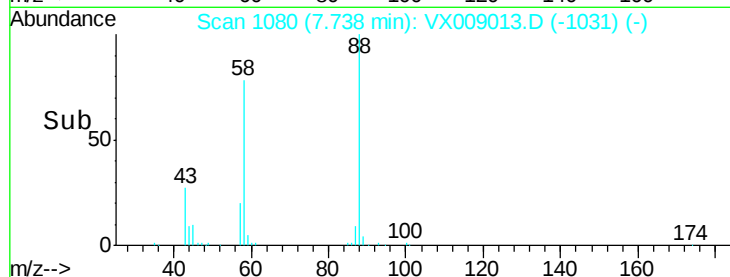
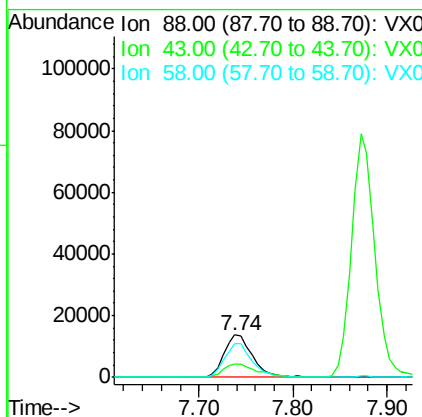
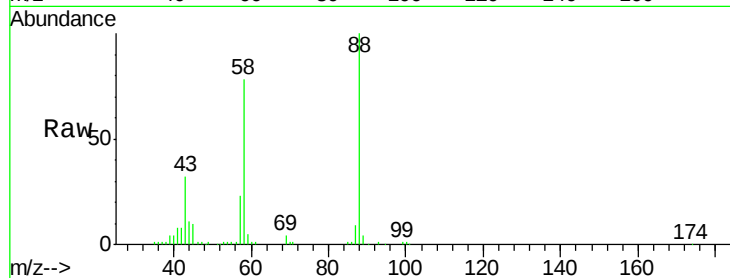
#49
1,4-Dioxane
Concen: 406.377 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampled :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.3	43.9
58	78.9	62.6	93.8

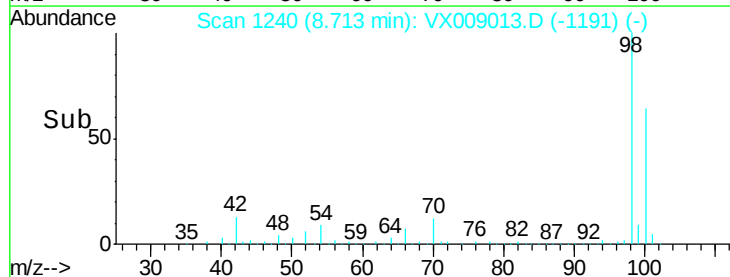
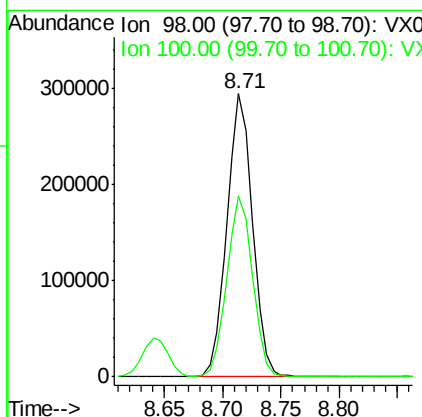
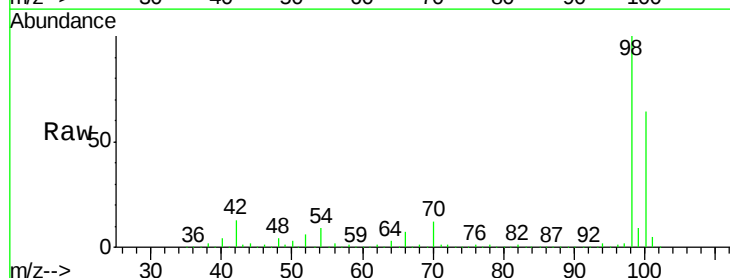
Manual Integrations
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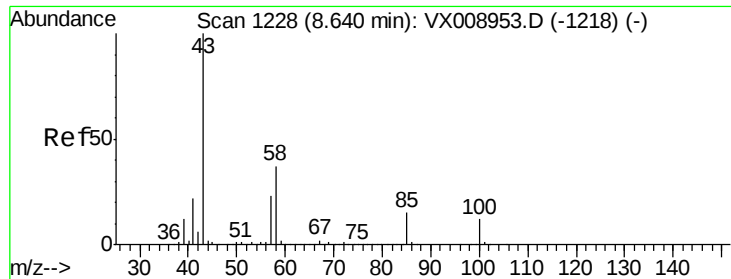
MMDadoda
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#50
Toluene-d8
Concen: 49.388 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 105.955 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 43 Resp: 516124

Ion Ratio Lower Upper

43 100

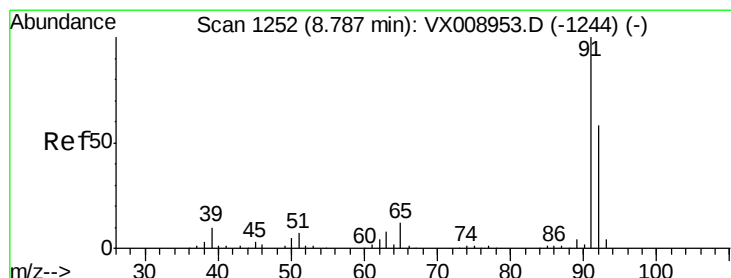
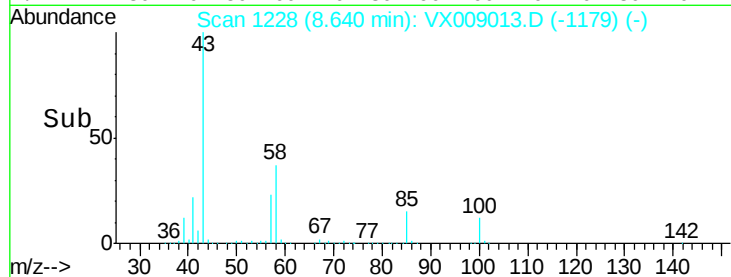
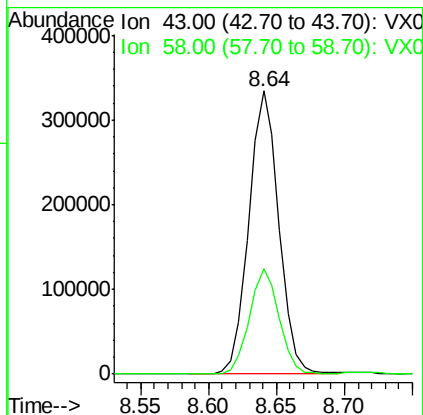
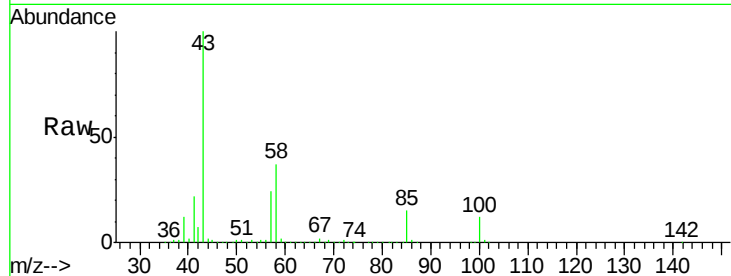
58 36.9 29.8 44.6

Manual Integrations

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4/18/2019 10:16:08 AM



#52

Toluene

Concen: 19.878 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009013.D

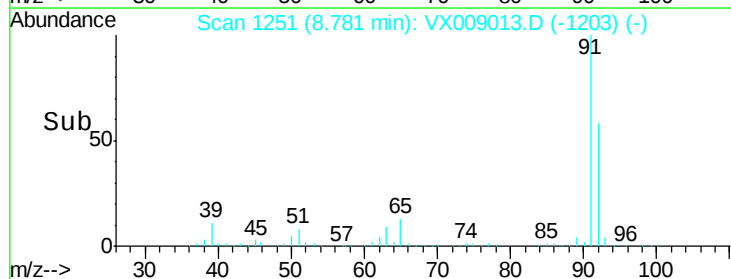
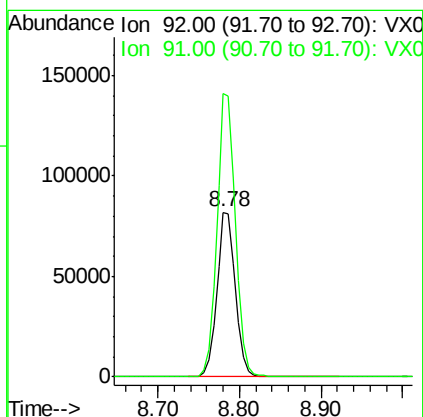
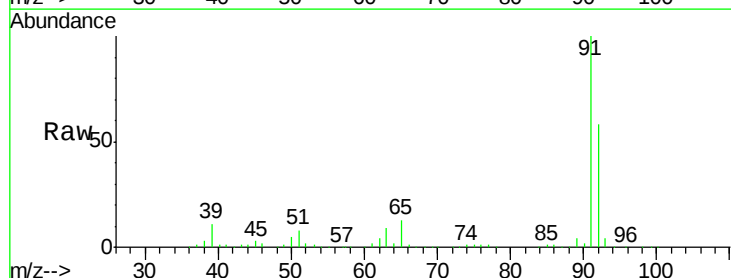
Acq: 17 Apr 2019 14:37

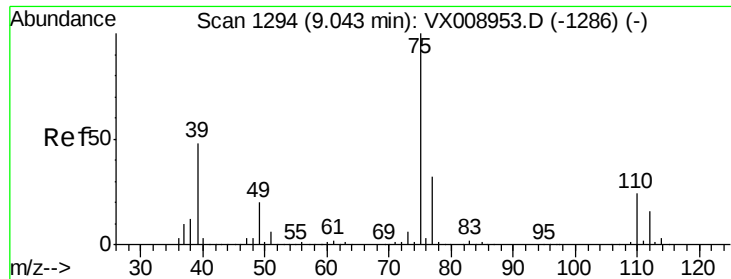
Tgt Ion: 92 Resp: 129589

Ion Ratio Lower Upper

92 100

91 172.8 138.5 207.7





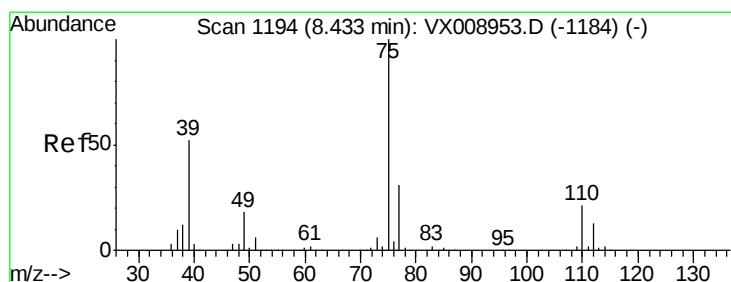
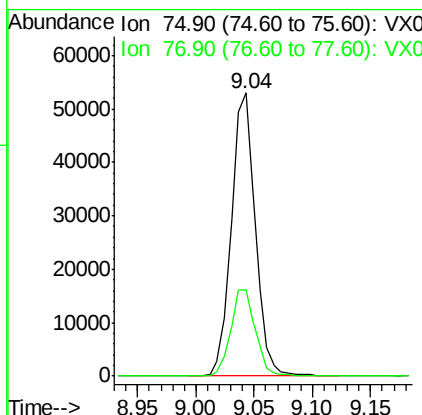
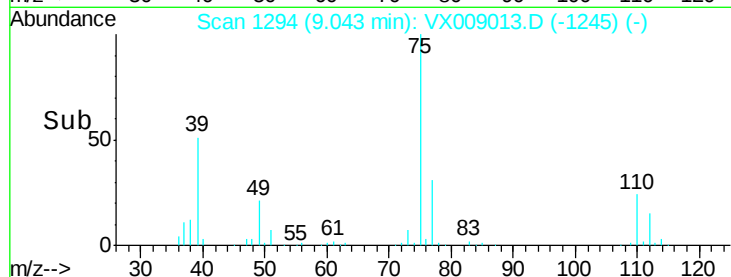
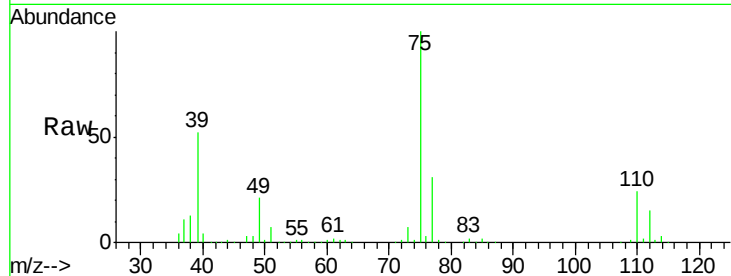
#53
t-1,3-Dichloropropene
Concen: 19.220 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion: 75 Resp: 76195
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2

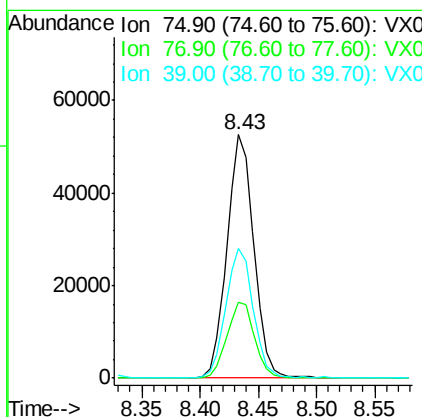
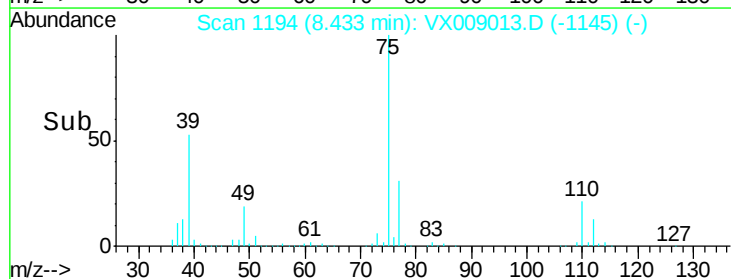
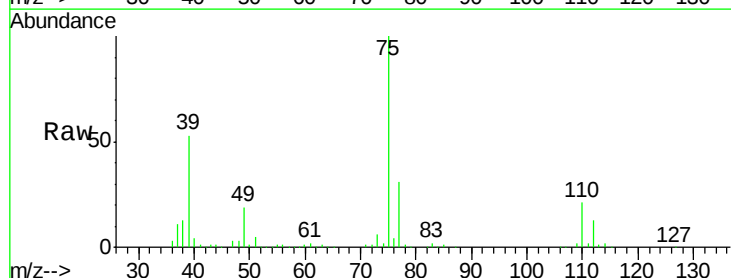
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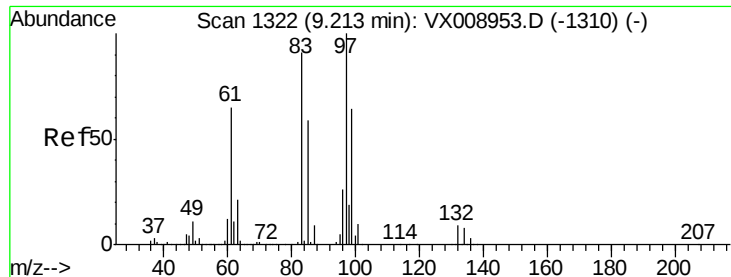
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#54
cis-1,3-Dichloropropene
Concen: 18.995 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion: 75 Resp: 84319
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 53.3 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 19.942 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 97 Resp: 51526

Ion Ratio Lower Upper

97 100

83 89.5 72.6 108.8

85 57.1 46.9 70.3

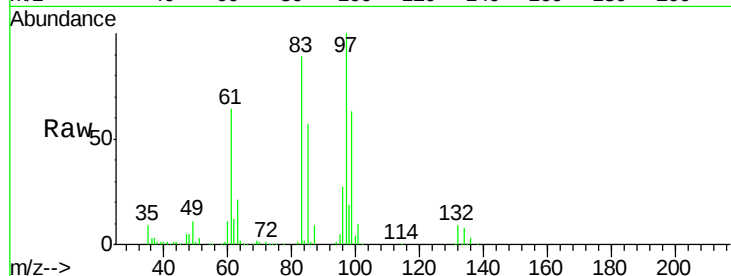
99 63.3 51.0 76.6

Manual Integrations

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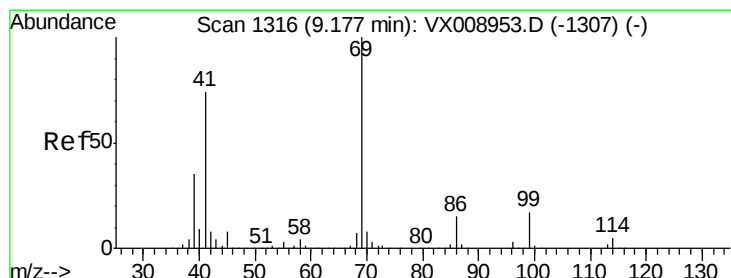
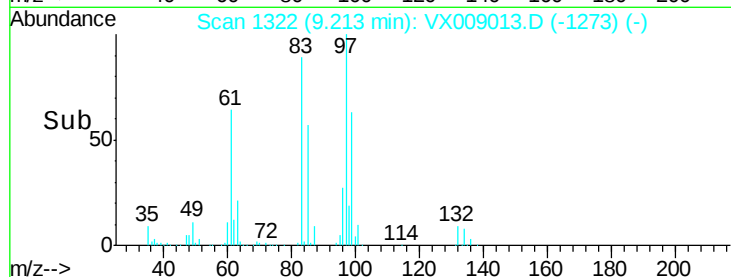
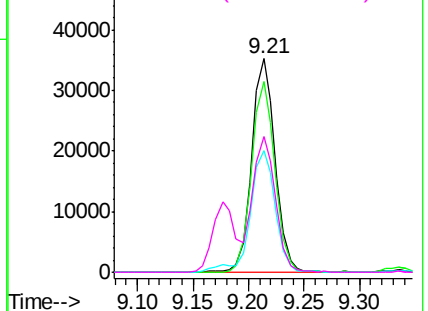


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.380 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

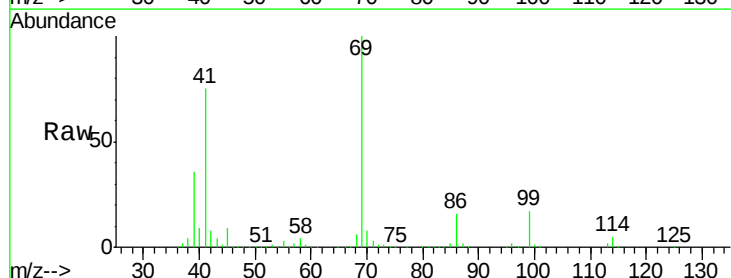
Tgt Ion: 69 Resp: 94419

Ion Ratio Lower Upper

69 100

41 77.2 60.2 90.2

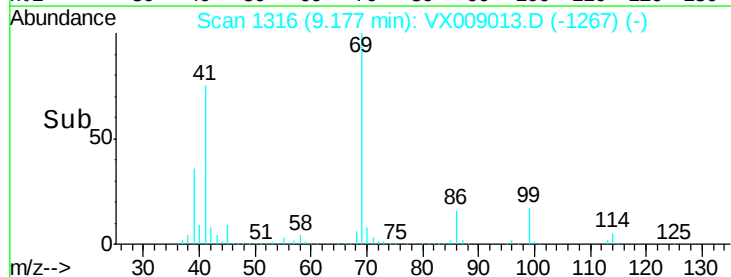
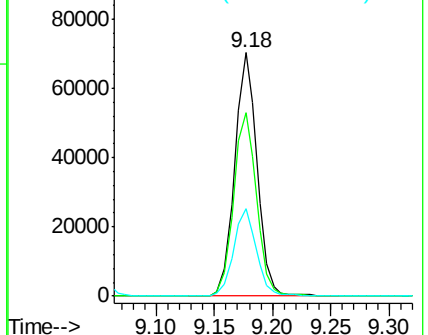
39 35.9 27.9 41.9

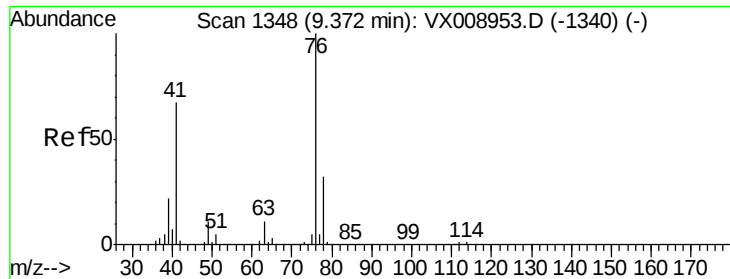


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





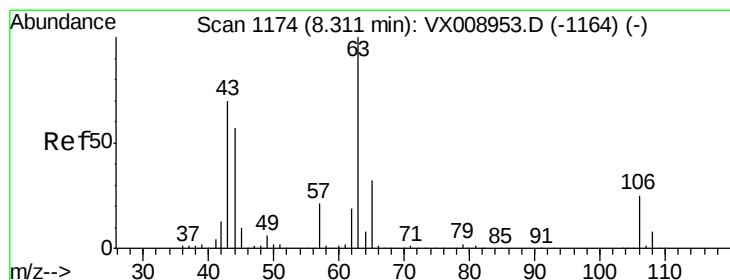
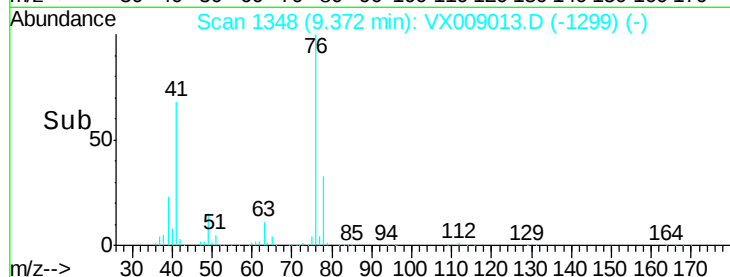
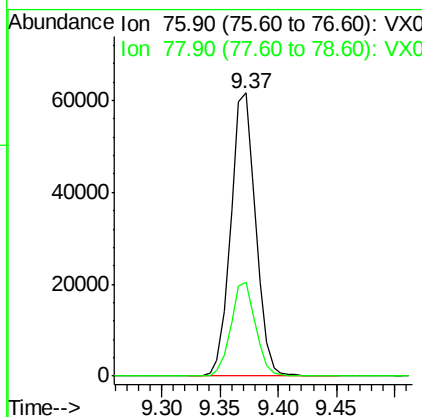
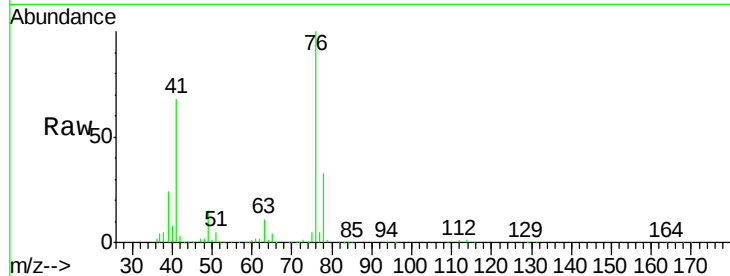
#57
 1,3-Dichloropropane
 Concen: 19.984 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0417WBSD01

Tot Ion: 76 Resp: 91935
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5

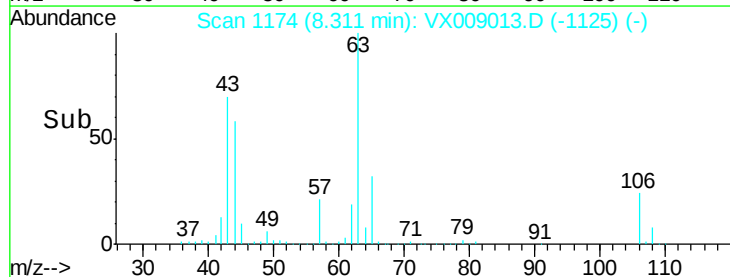
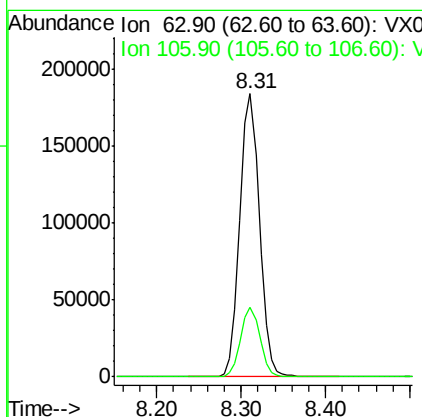
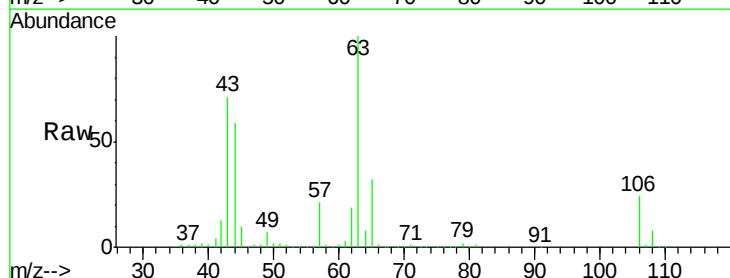
Manual Integrations
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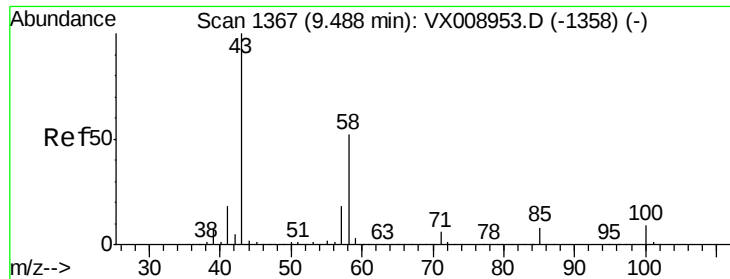
MMDadoda
 4/18/2019 10:16:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.539 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 63 Resp: 288251
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.8 29.6





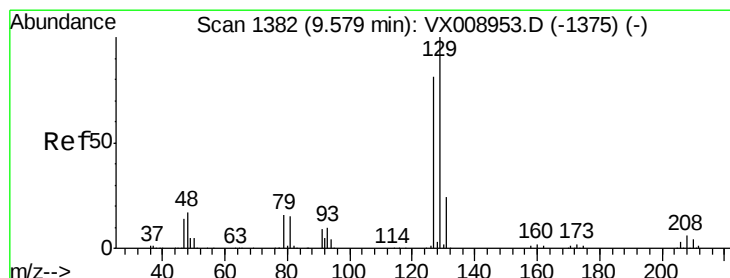
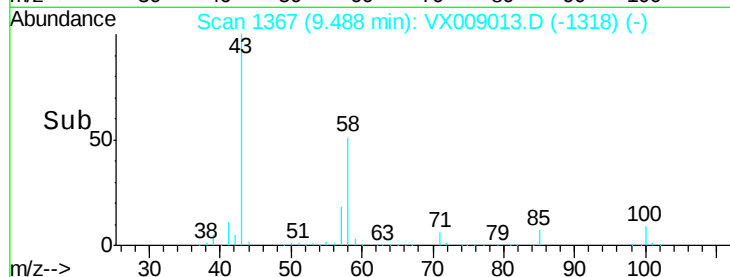
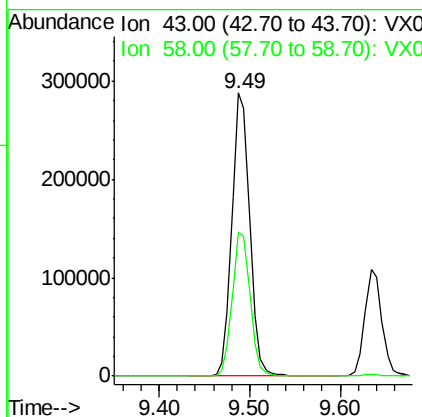
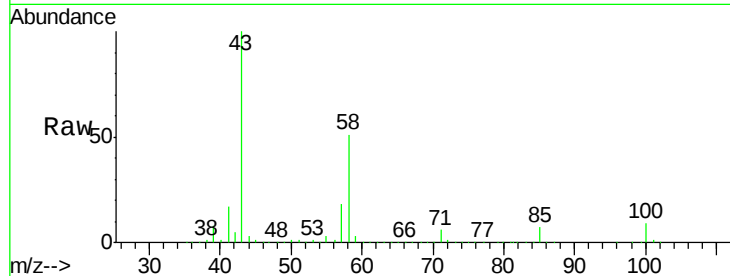
#59
2-Hexanone
Concen: 105.060 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion: 43 Resp: 394560
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8

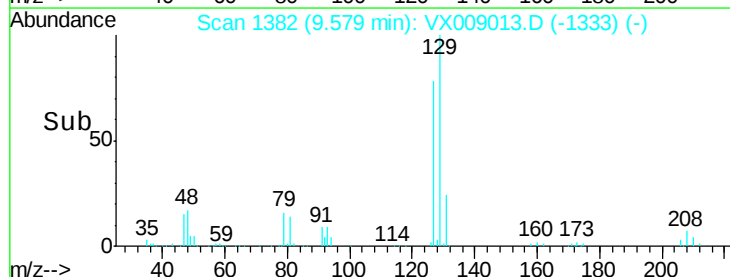
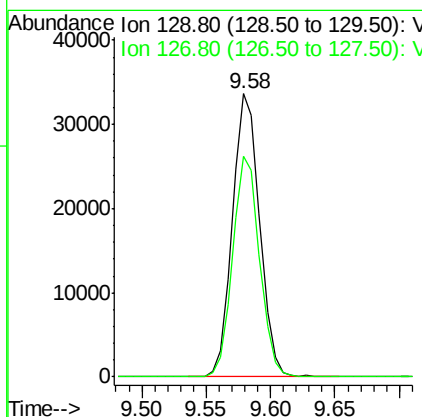
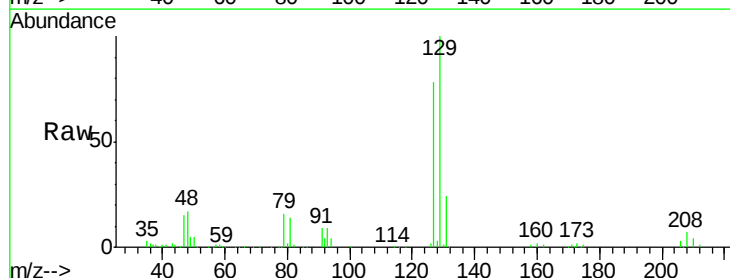
Manual Integrations
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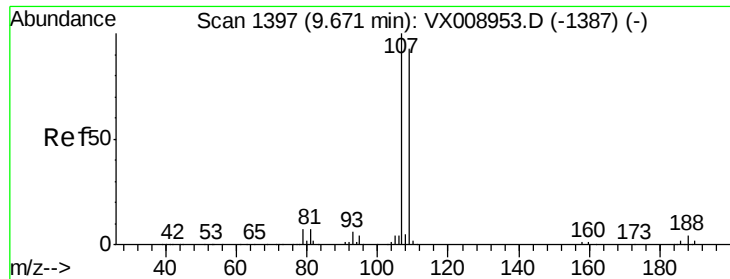
MMDadoda
4/18/2019 10:16:08 AM



#60
Dibromochloromethane
Concen: 19.990 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion: 129 Resp: 49502
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





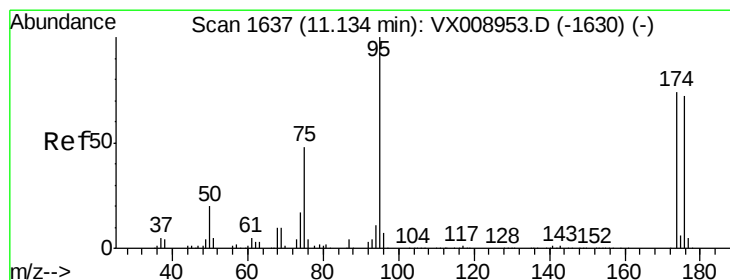
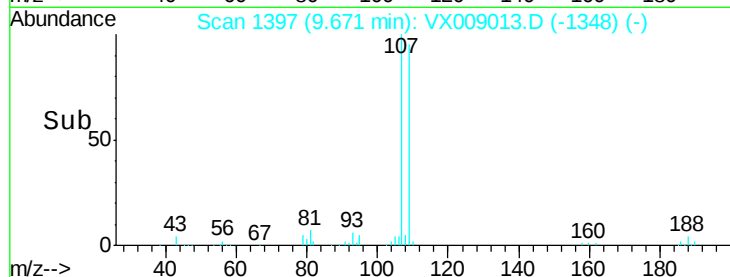
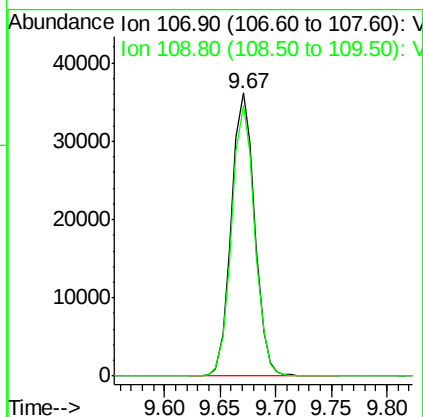
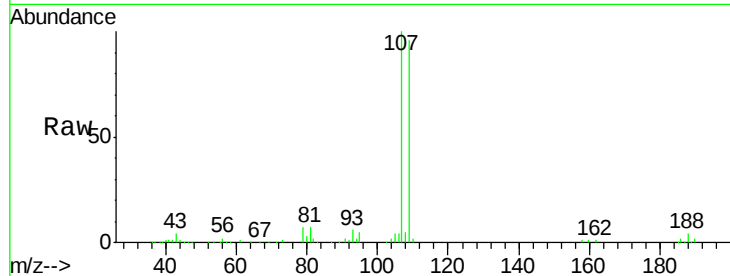
#61
 1,2-Dibromoethane
 Concen: 19.734 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.4	111.6

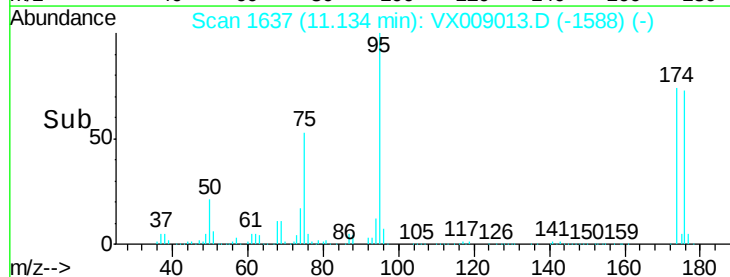
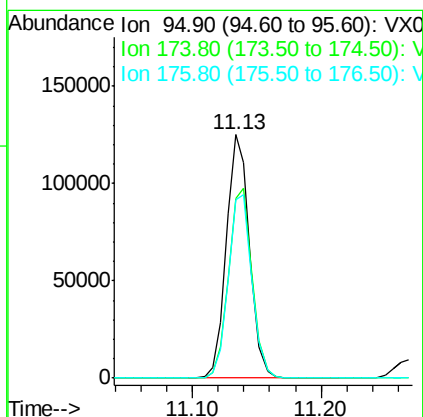
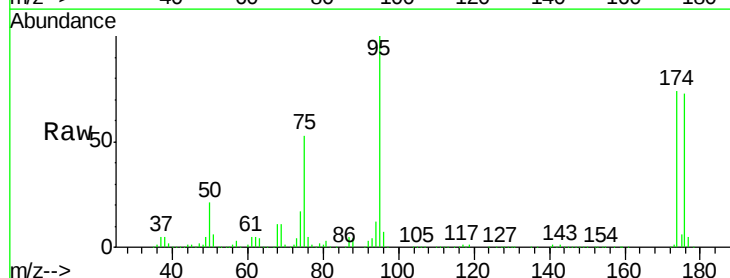
Manual Integrations
 APPROVED

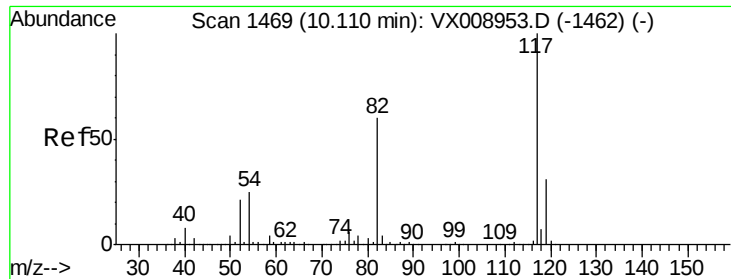
MMDadoda
 4/18/2019 10:16:08 AM



#62
 4-Bromofluorobenzene
 Concen: 48.890 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	159.6
176	77.1	0.0	154.8





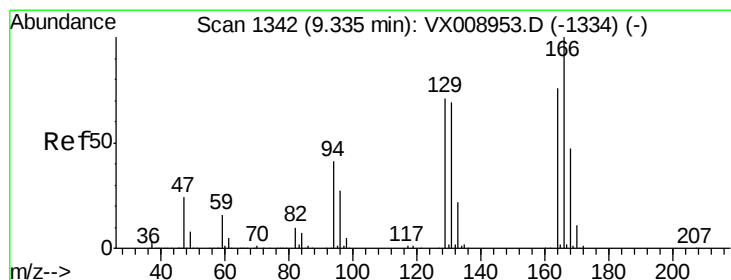
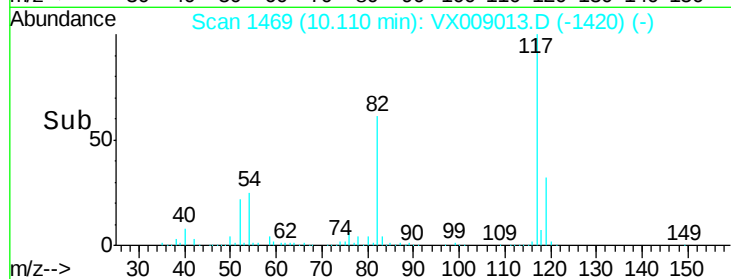
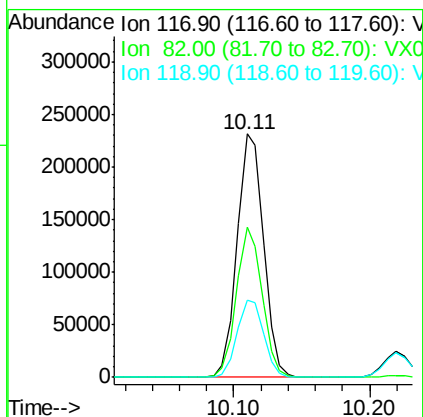
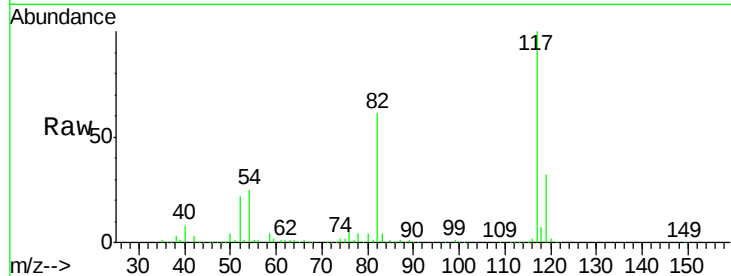
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.2	72.4
119	31.6	25.0	37.6

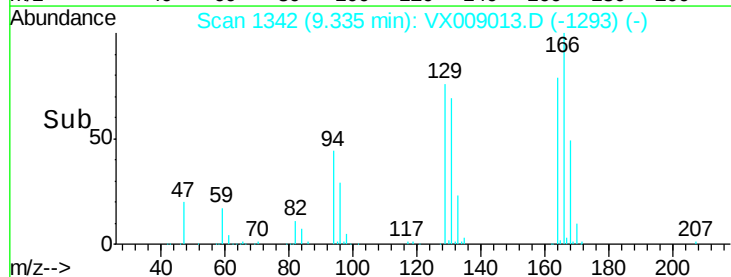
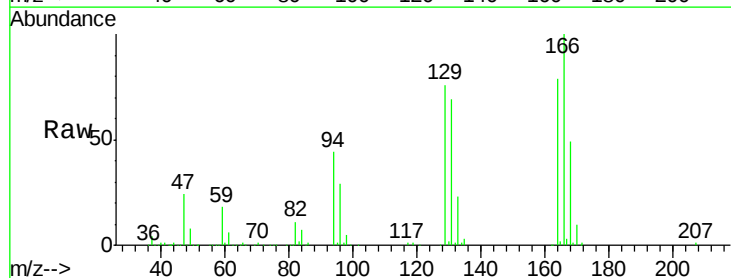
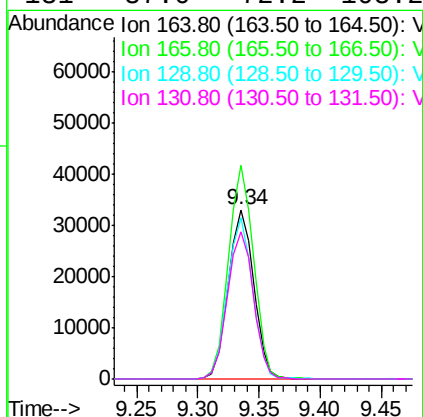
Manual Integrations
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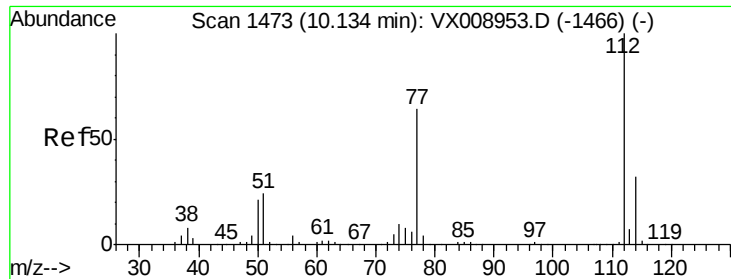
MMDadoda
4/18/2019 10:16:08 AM



#64
Tetrachloroethene
Concen: 19.931 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	105.0	157.4
129	95.2	74.2	111.4
131	87.0	72.2	108.2





#65

Chlorobenzene

Concen: 19.586 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion:112 Resp: 129532

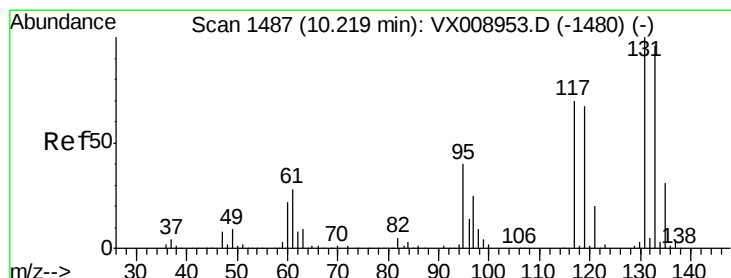
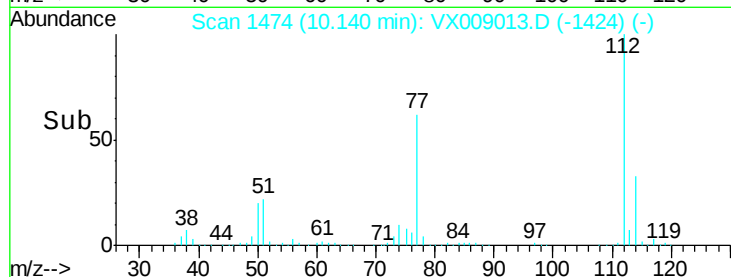
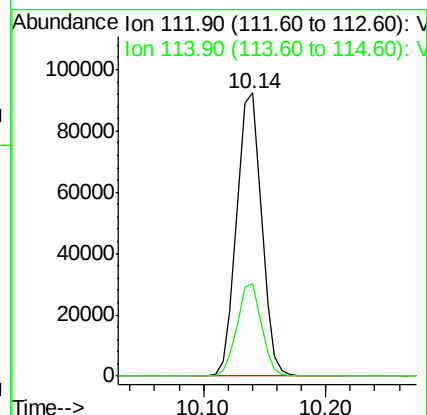
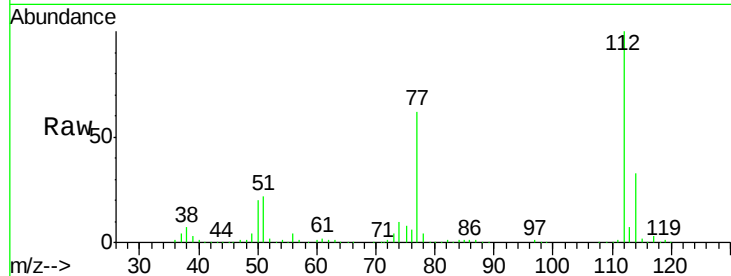
Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.827 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

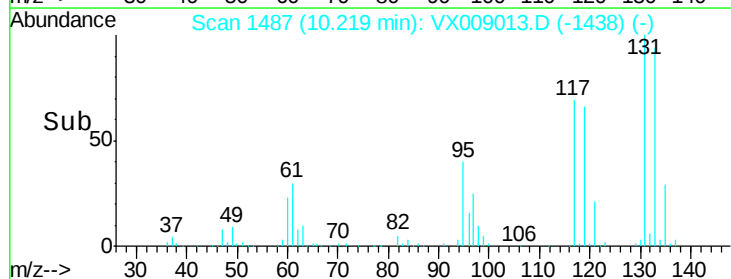
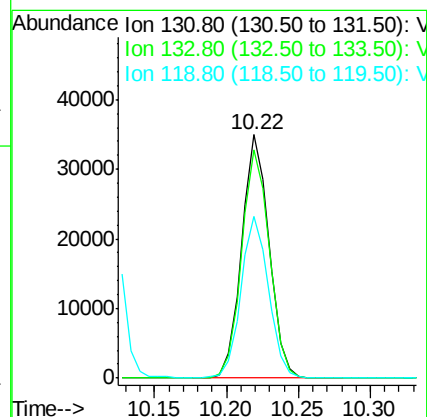
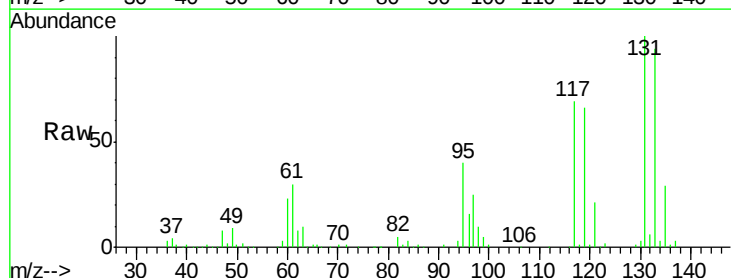
Tgt Ion:131 Resp: 46194

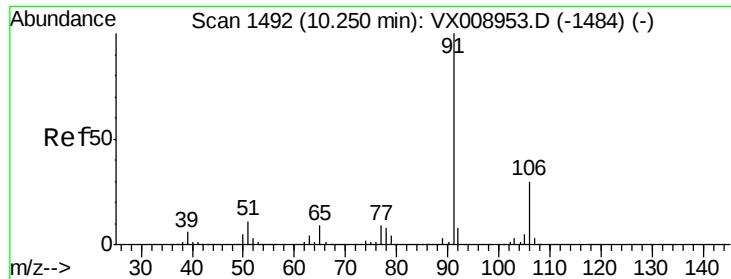
Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

119 67.1 33.7 101.1





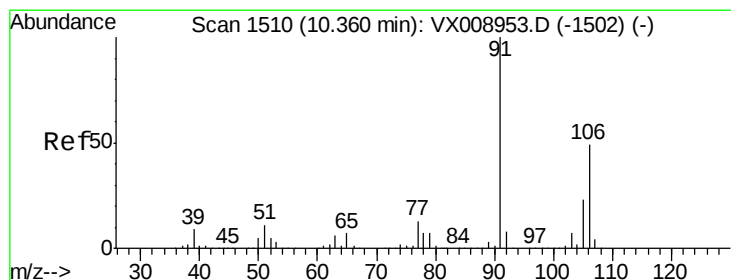
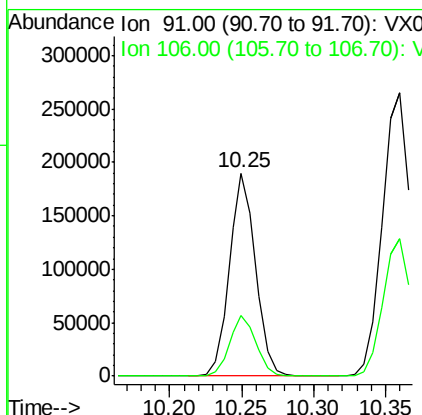
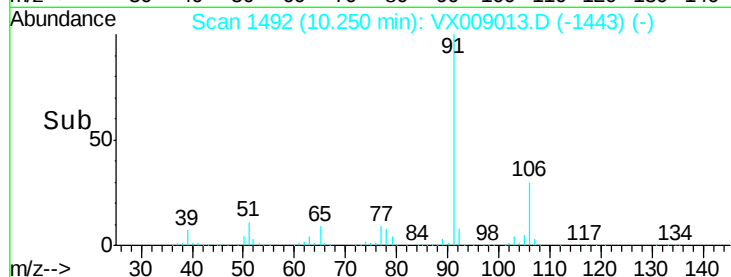
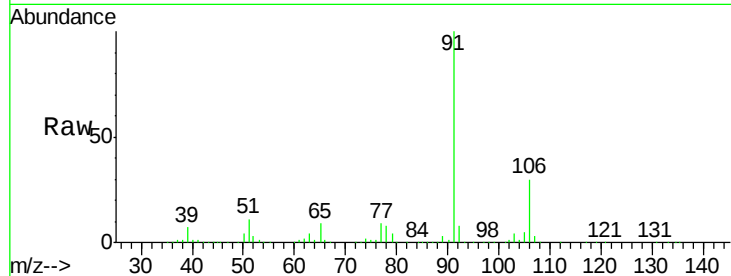
#67
Ethyl Benzene
Concen: 19.972 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion: 91 Resp: 241458
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5

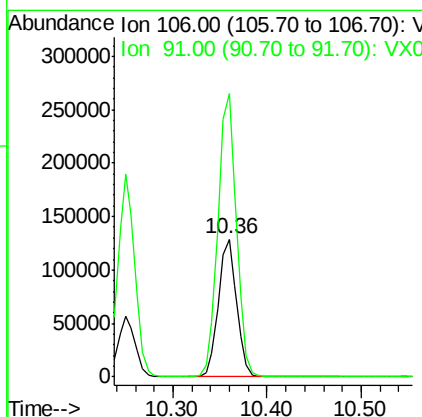
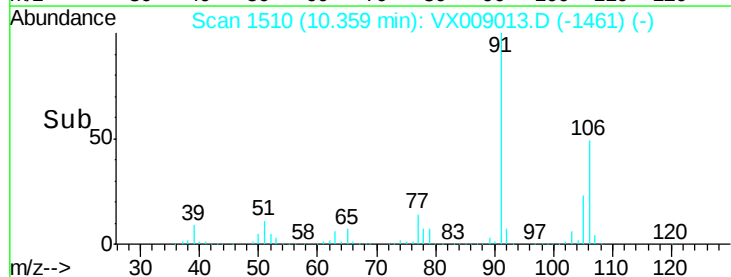
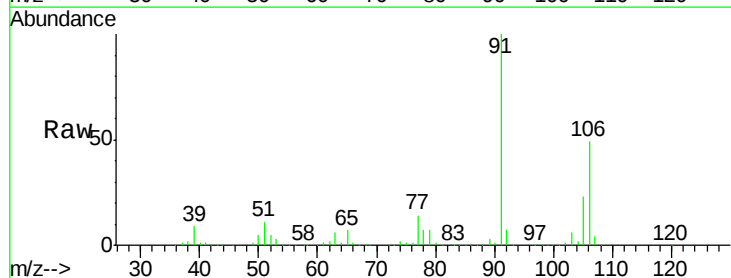
Manual Integrations
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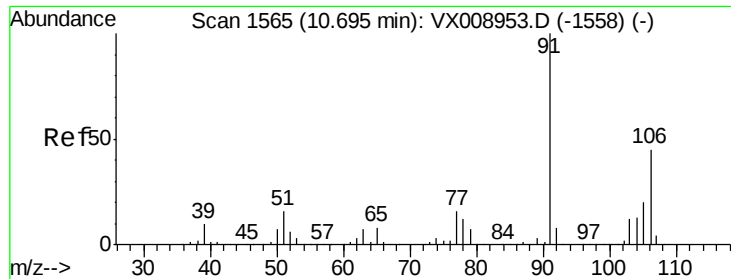
MMDadoda
4/18/2019 10:16:08 AM



#68
m/p-Xylenes
Concen: 39.317 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion: 106 Resp: 172748
Ion Ratio Lower Upper
106 100
91 208.6 165.4 248.2





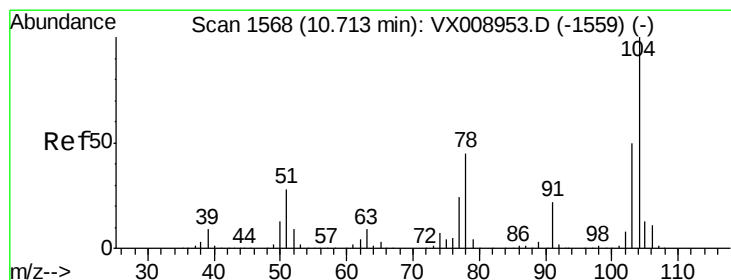
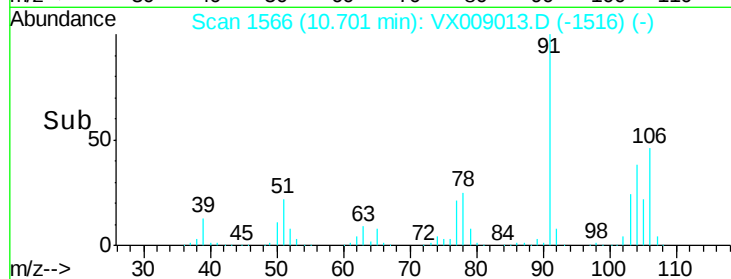
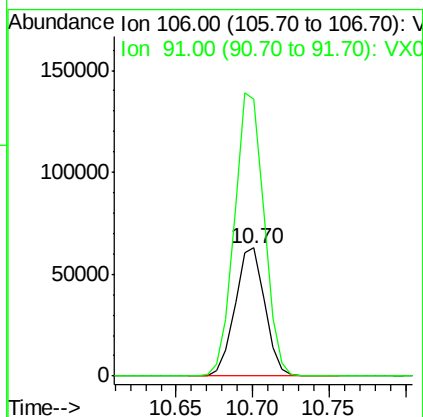
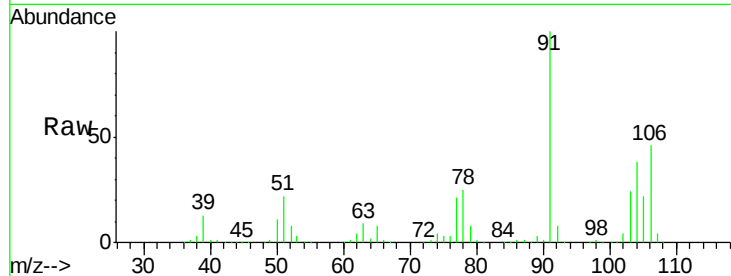
#69
o-Xylene
Concen: 19.804 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion:106 Resp: 84666
Ion Ratio Lower Upper
106 100
91 220.8 108.9 326.7

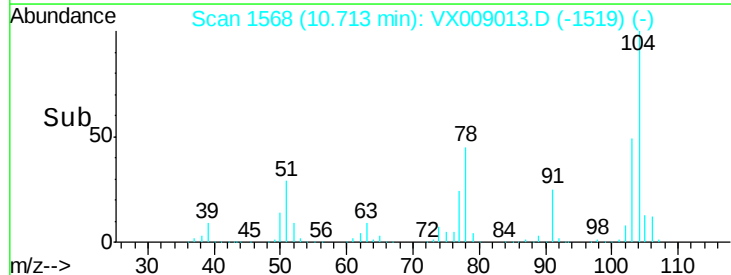
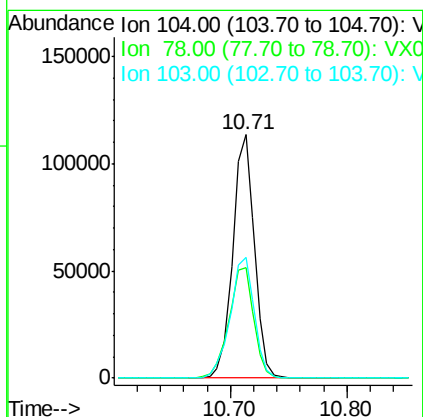
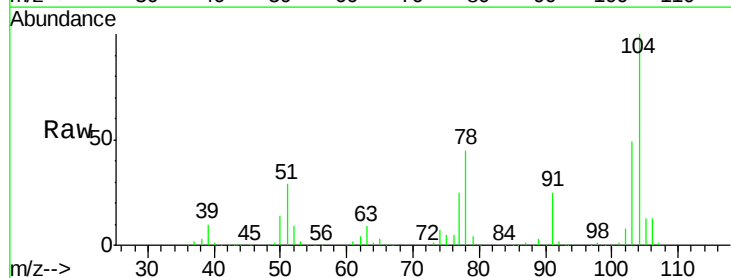
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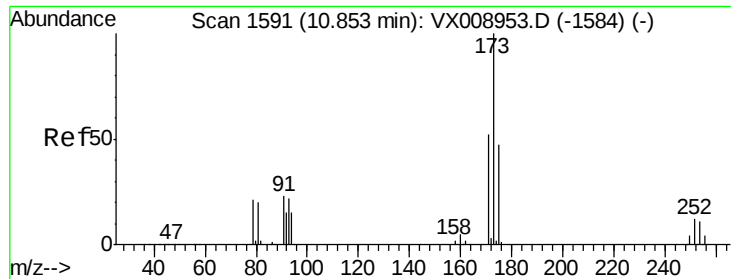
MMDadoda
4/18/2019 10:16:08 AM



#70
Styrene
Concen: 19.845 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion:104 Resp: 147024
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 19.349 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion:173 Resp: 35915

Ion Ratio Lower Upper

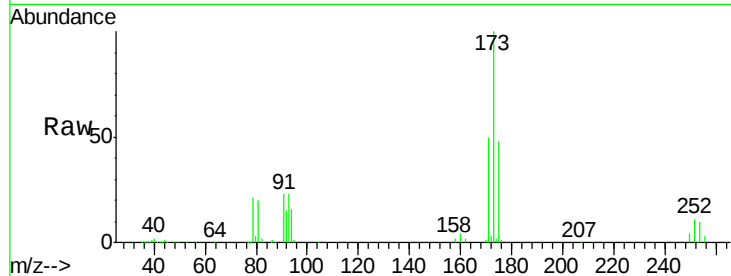
173 100

175 48.8 23.9 71.8

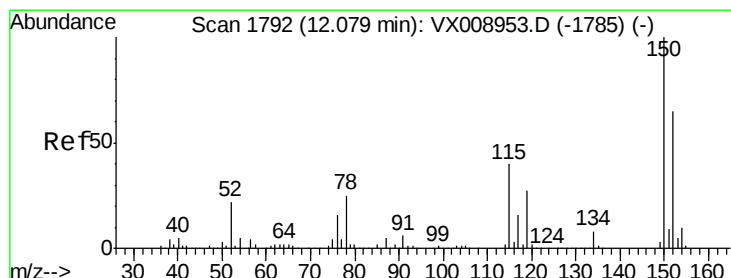
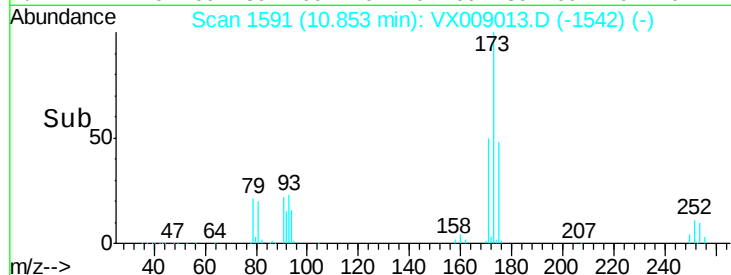
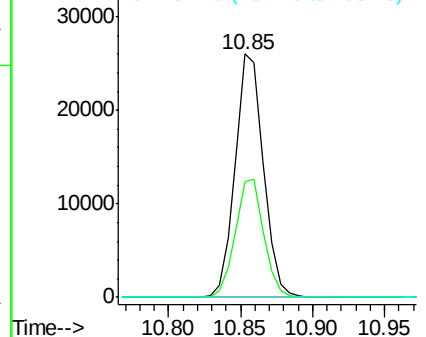
254 0.2 0.2 0.4#

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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: VX009013.D

Acq: 17 Apr 2019 14:37

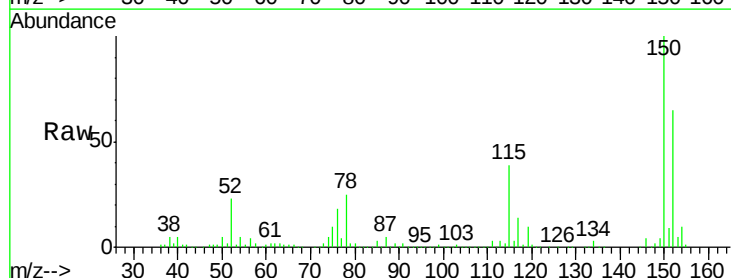
Tgt Ion:152 Resp: 143193

Ion Ratio Lower Upper

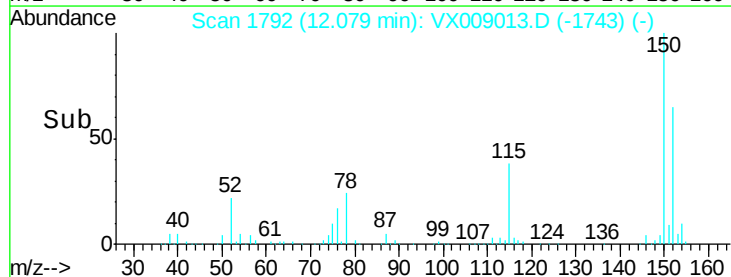
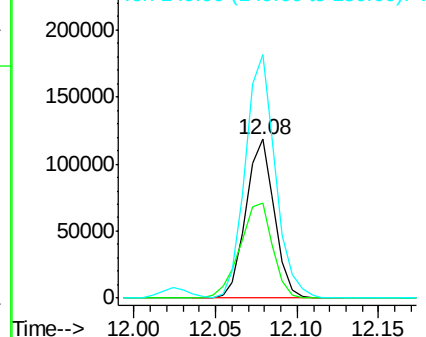
152 100

115 69.5 41.4 124.2

150 163.0 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: 20.789 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 105 Resp: 225637

Ion Ratio Lower Upper

105 100

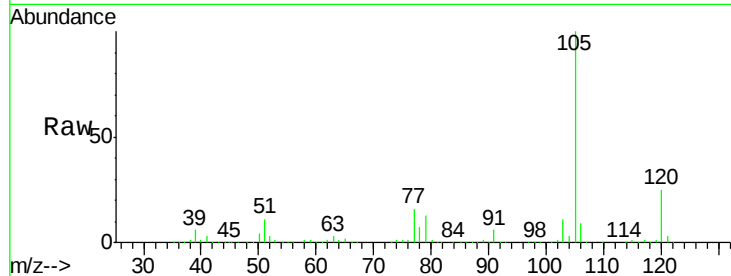
120 25.6 12.9 38.7

Manual Integrations

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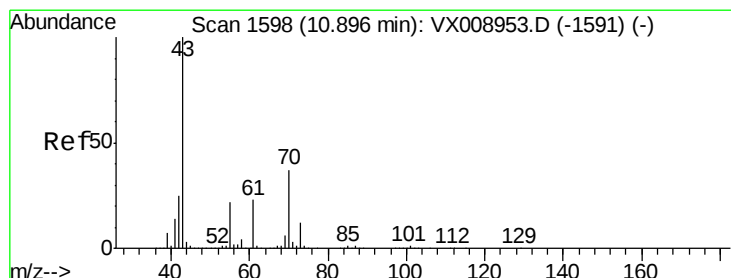
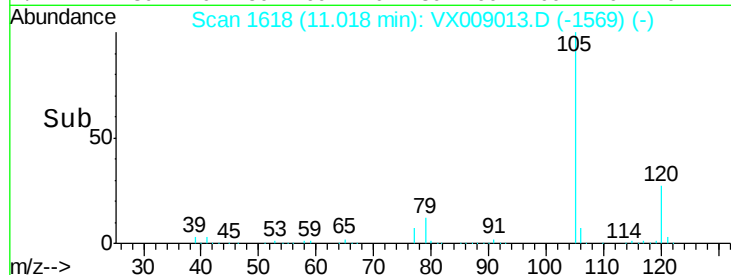
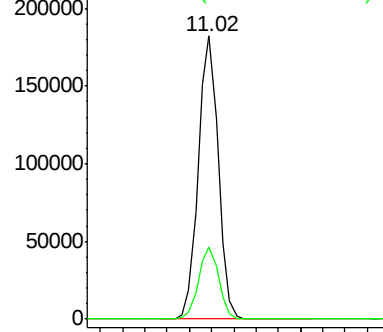
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.140 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tgt Ion: 43 Resp: 131745

Ion Ratio Lower Upper

43 100

70 37.7 29.9 44.9

55 22.7 17.8 26.8

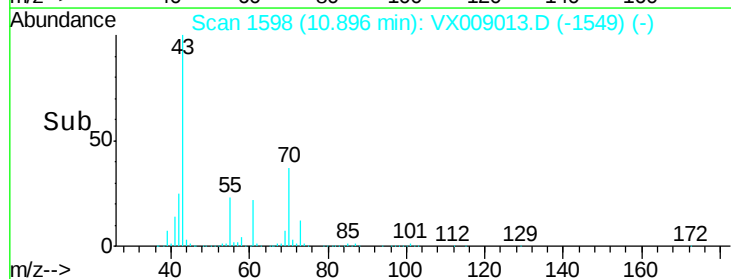
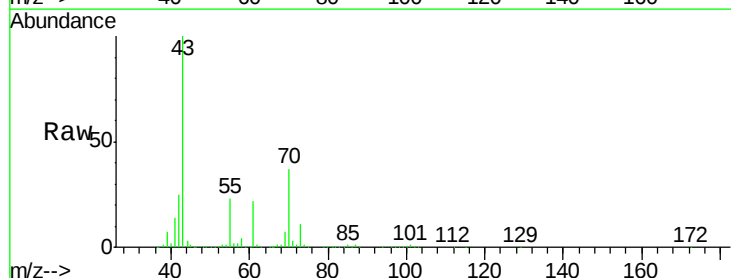
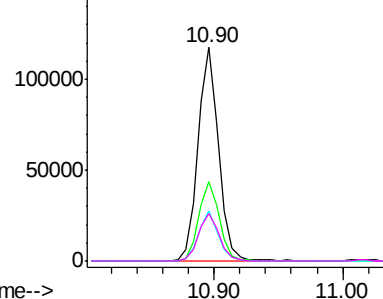
61 22.6 18.3 27.5

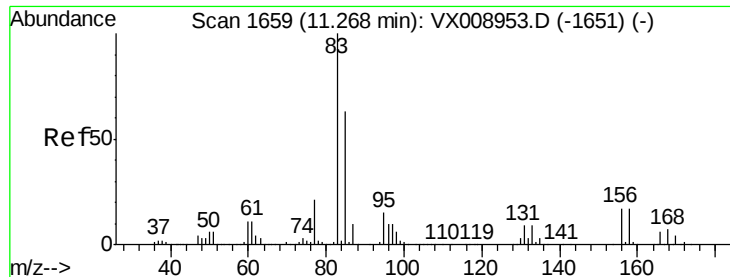
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.254 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

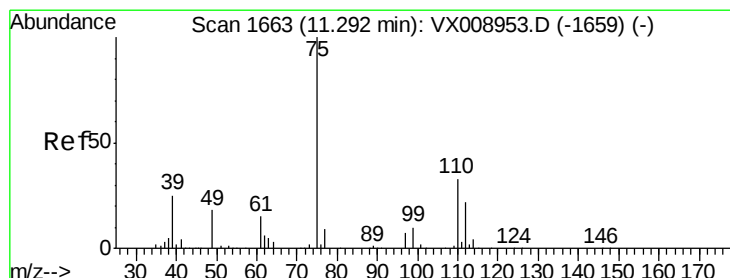
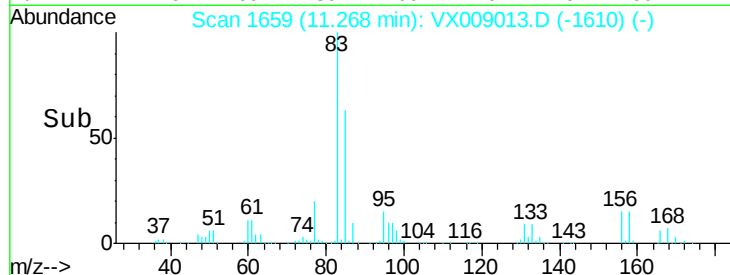
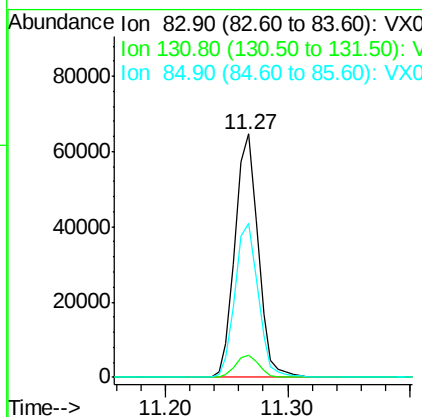
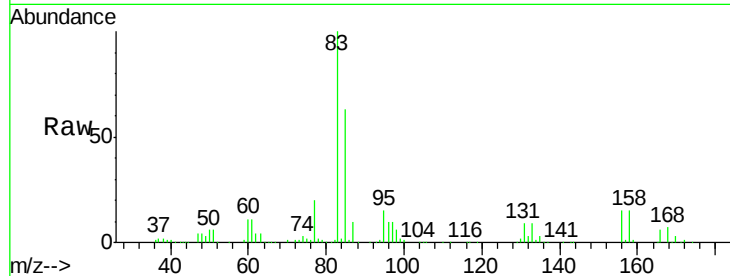
ClientSampleId :

VX0417WBSD01

Tot Ion:	83	Resp:	84287
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	63.5	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 23.761 ug/l m

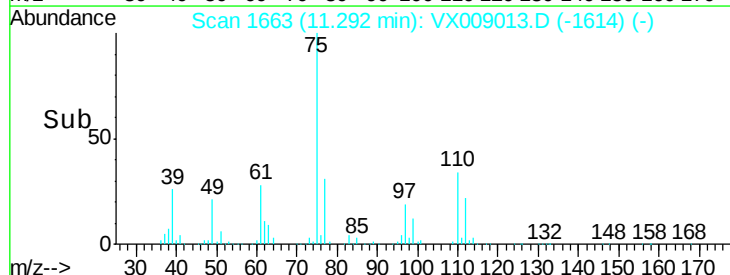
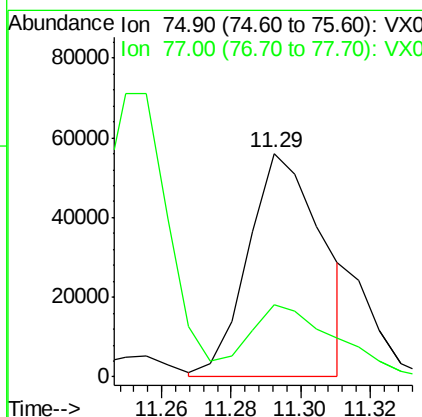
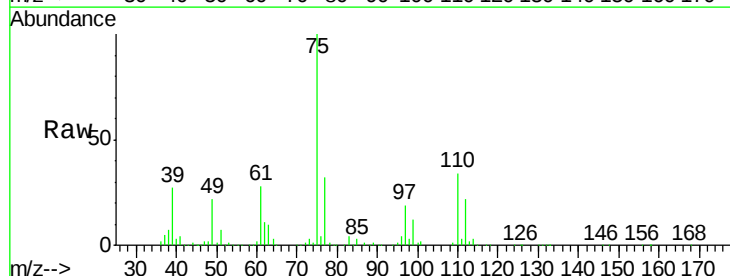
RT: 11.29 min Scan# 1663

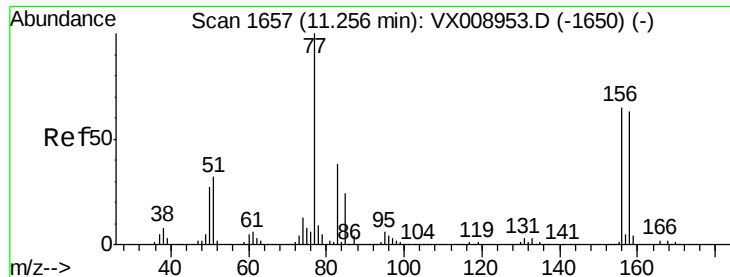
Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tgt Ion:	75	Resp:	83080
Ion Ratio	Lower	Upper	
75	100		
77	37.9	22.7	68.0





#77

Bromobenzene

Concen: 19.726 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

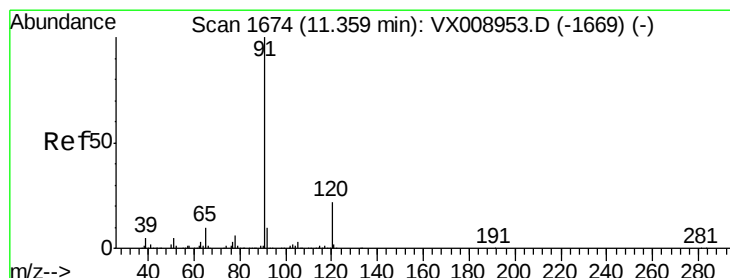
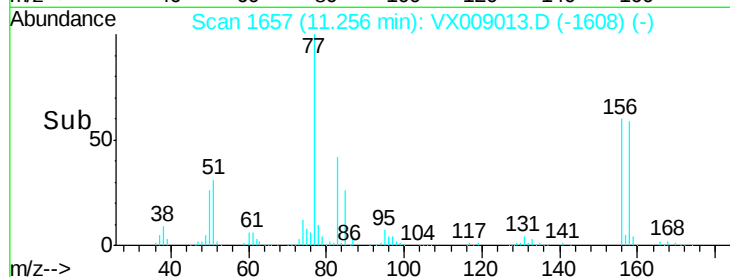
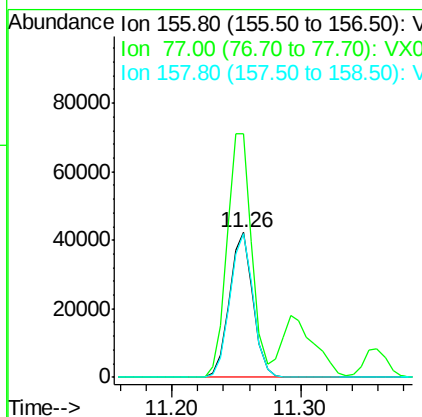
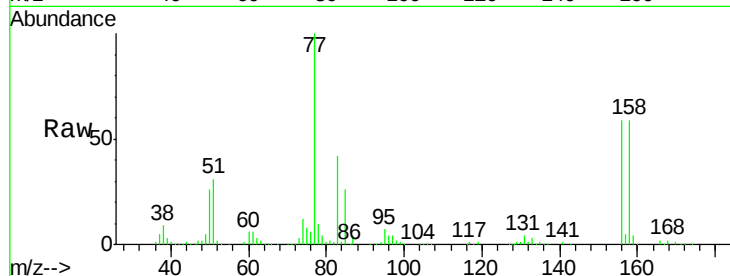
ClientSampleId :

VX0417WBSD01

Tot Ion:	156	Resp:	54019
Ion	Ratio	Lower	Upper
156	100		
77	176.8	85.4	256.1
158	98.5	48.8	146.4

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#78

n-propylbenzene

Concen: 20.633 ug/l

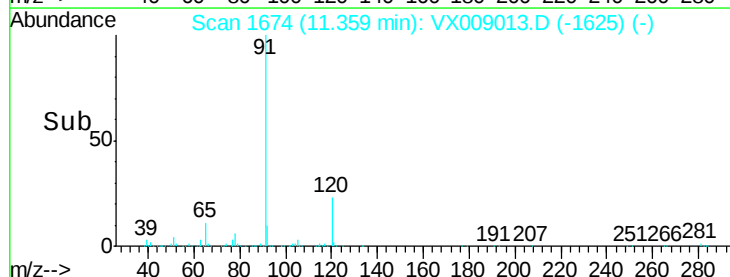
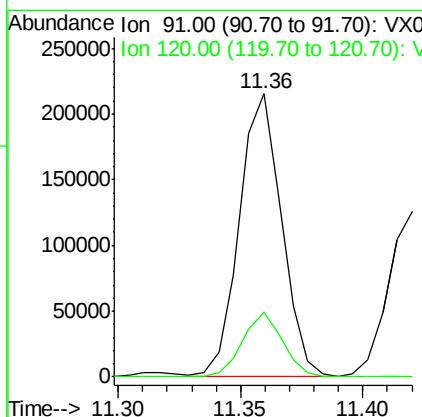
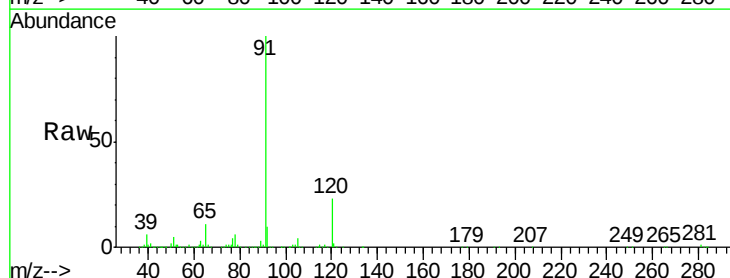
RT: 11.36 min Scan# 1674

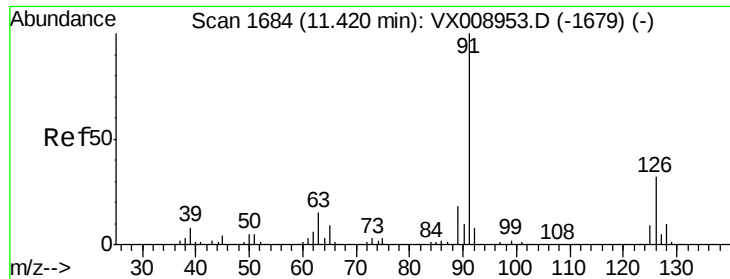
Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tgt Ion:	91	Resp:	257041
Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.9	32.9





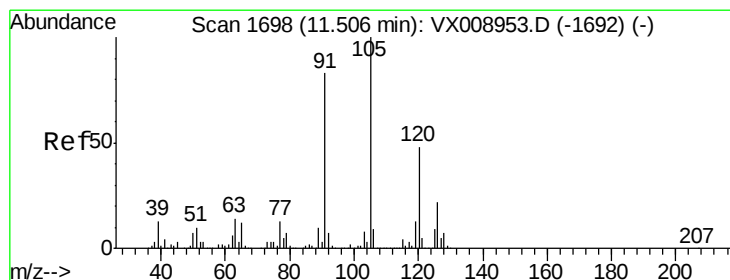
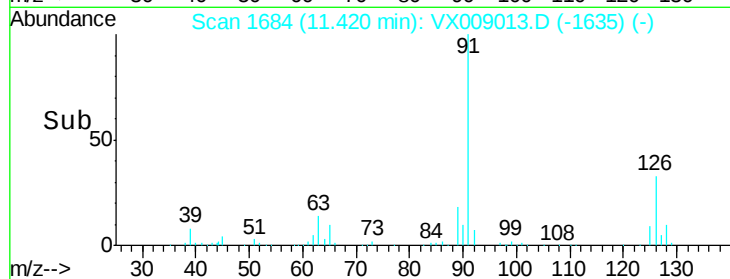
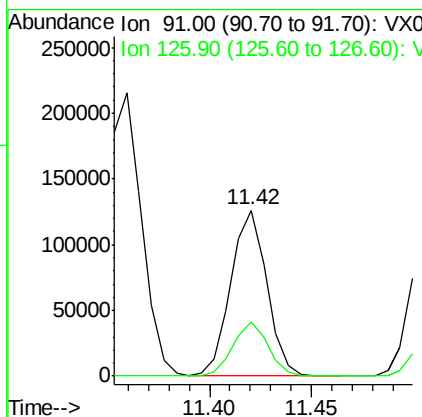
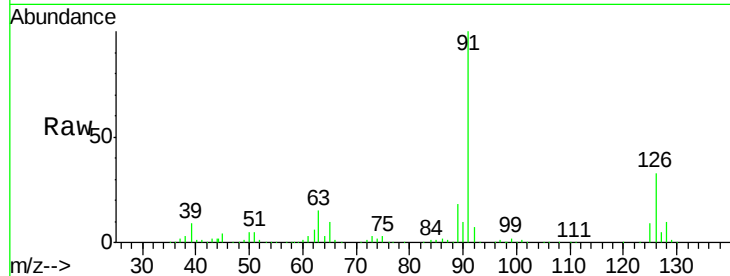
#79
 2-Chlorotoluene
 Concen: 20.410 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion: 91 Resp: 153222
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.3 48.9

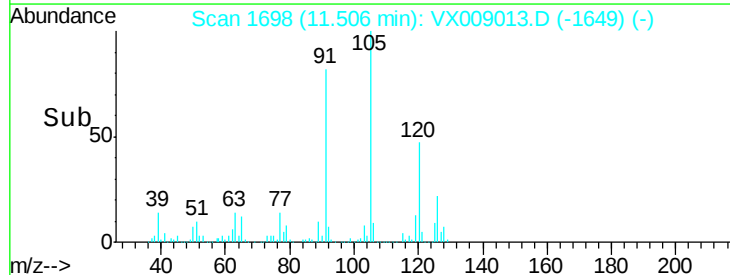
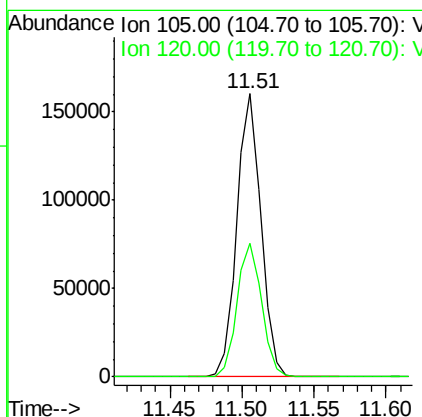
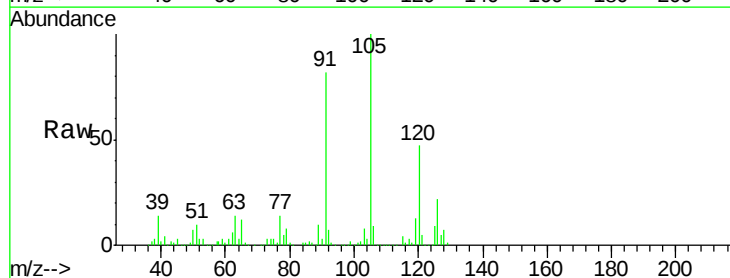
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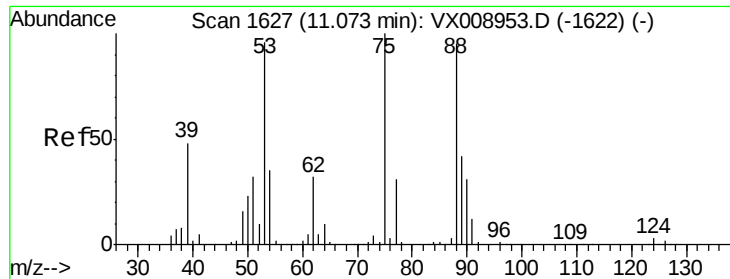
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.599 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 105 Resp: 187622
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3





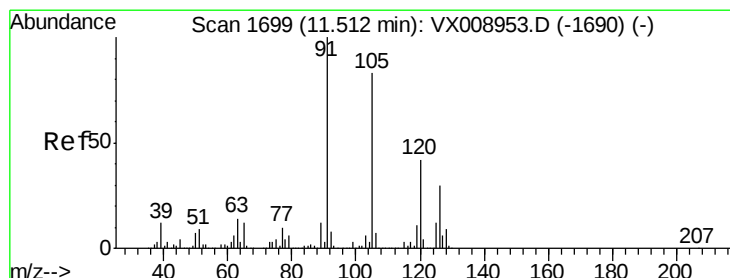
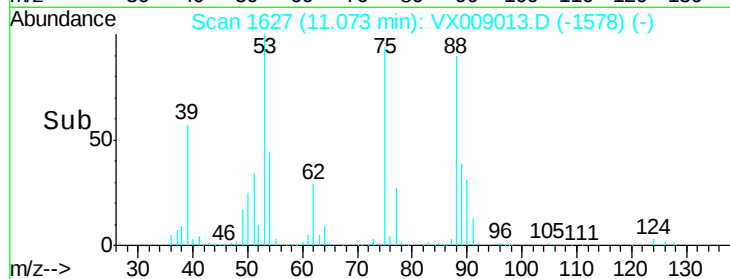
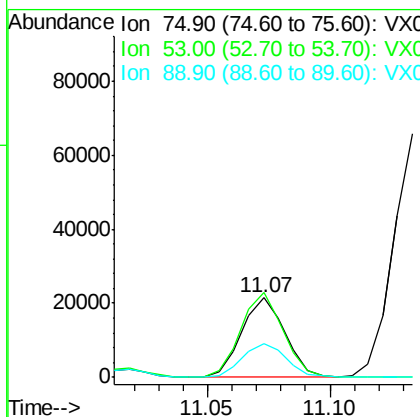
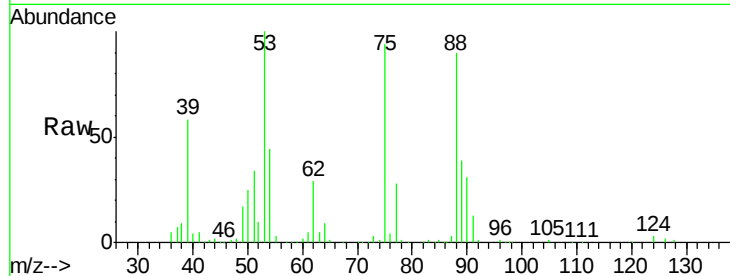
#81
trans-1,4-Dichloro-2-butene
Concen: 19.513 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.1	78.2	117.4
89	43.1	36.0	54.0

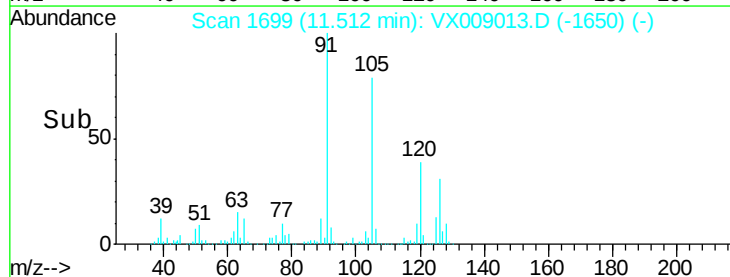
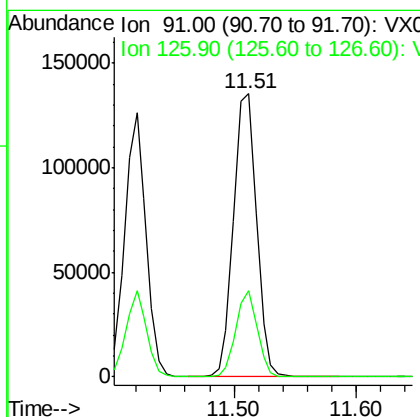
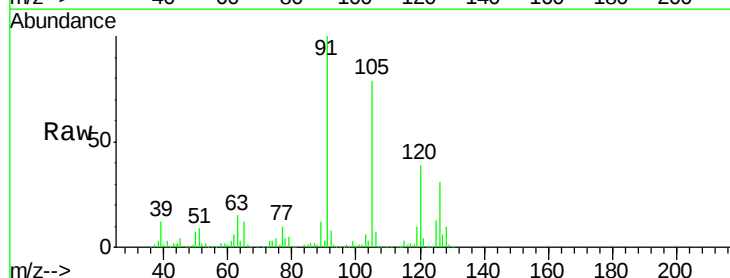
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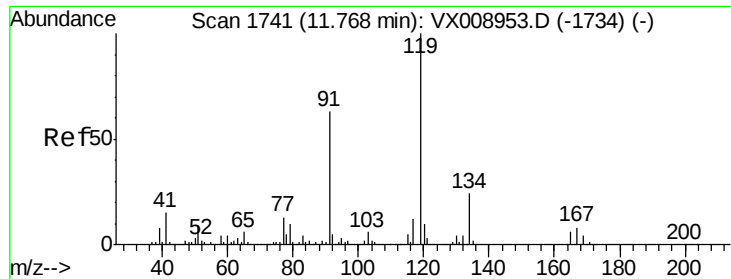
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#82
4-Chlorotoluene
Concen: 20.119 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.3	42.9





#83

tert-Butylbenzene

Concen: 20.498 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion:119 Resp: 179248

Ion Ratio Lower Upper

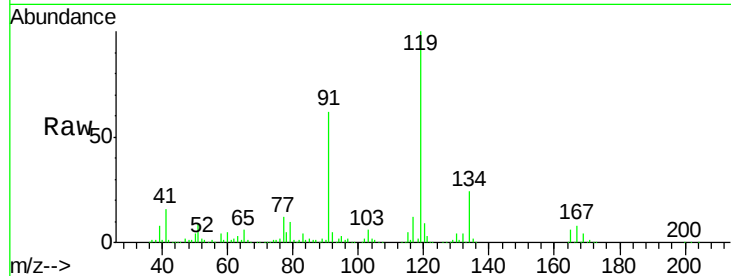
119 100

91 59.9 29.7 89.1

134 22.4 11.2 33.5

Manual Integrations
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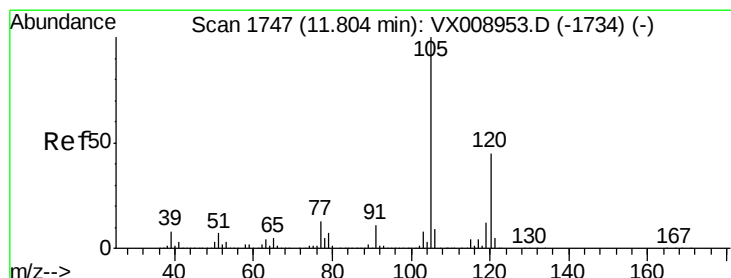
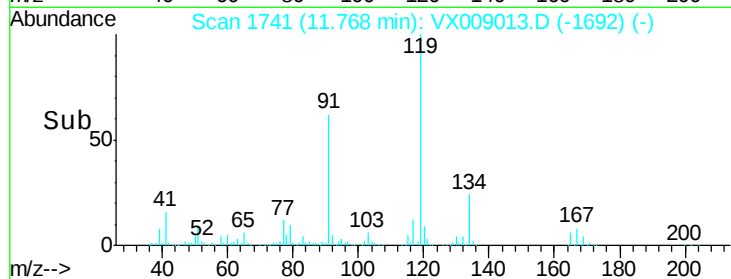
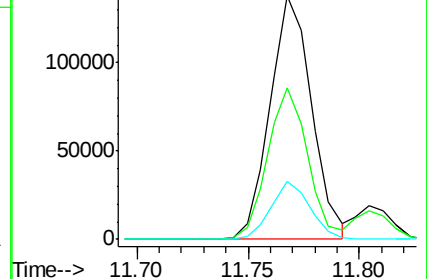
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.471 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009013.D

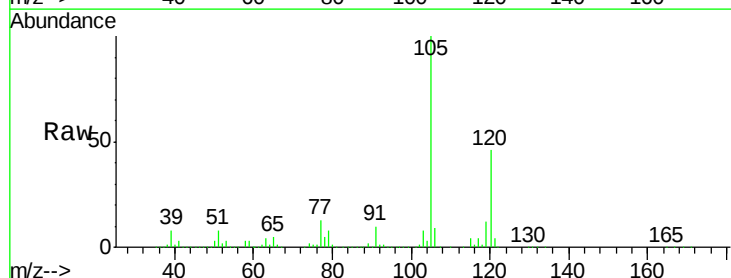
Acq: 17 Apr 2019 14:37

Tgt Ion:105 Resp: 189791

Ion Ratio Lower Upper

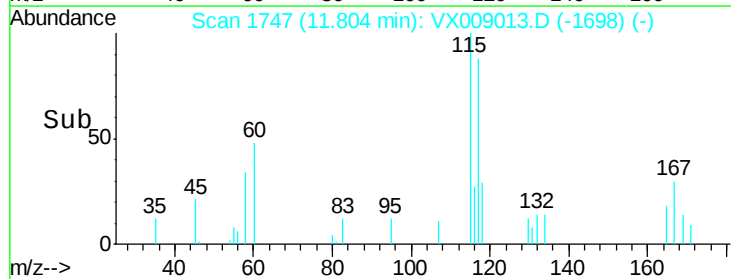
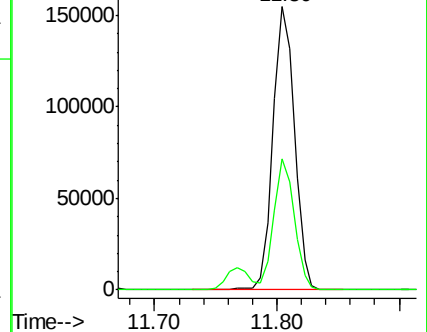
105 100

120 43.8 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.673 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion:105 Resp: 215604

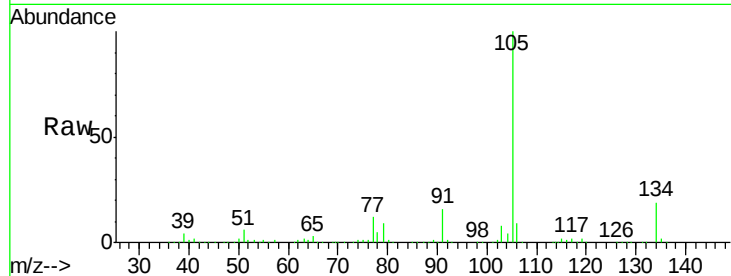
Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.6

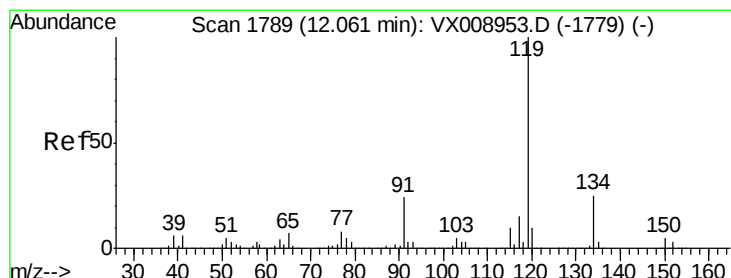
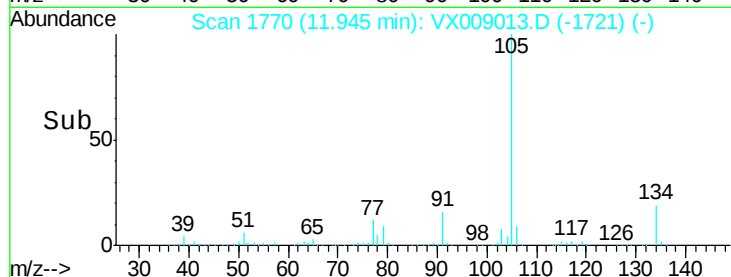
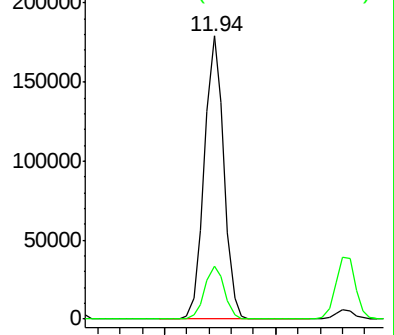
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.184 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

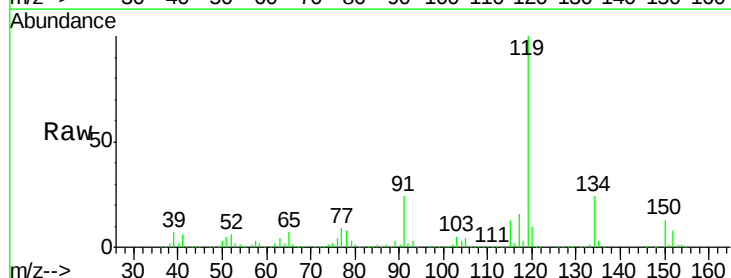
Tgt Ion:119 Resp: 193532

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.6

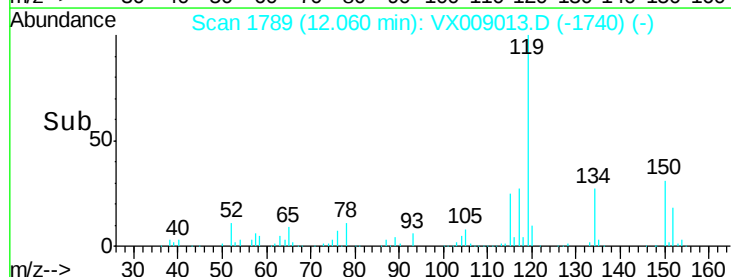
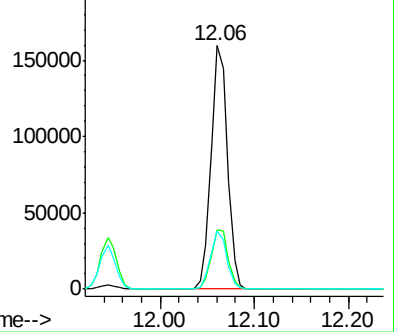
91 24.0 11.9 35.5

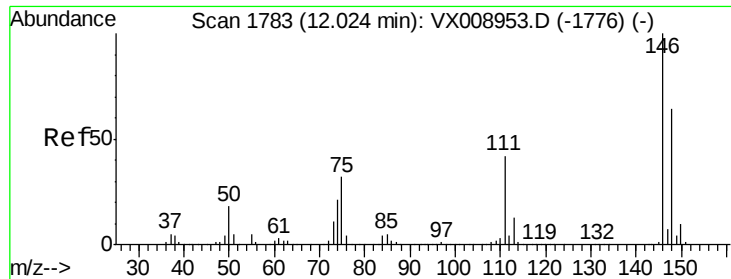


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





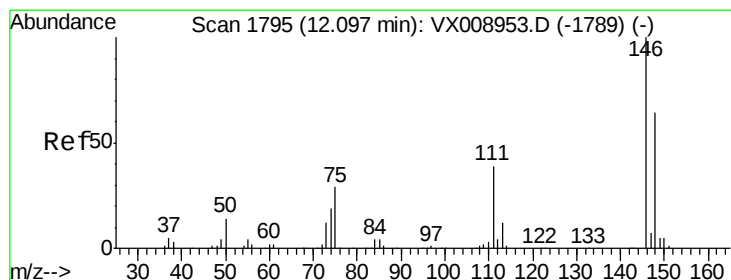
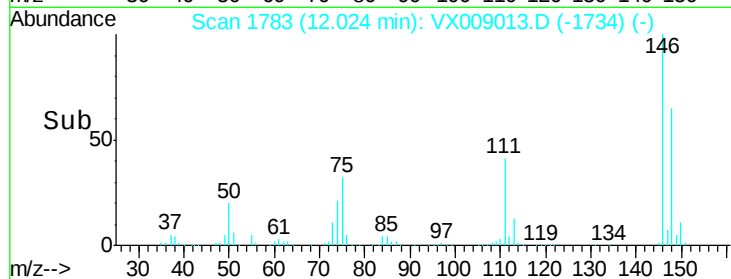
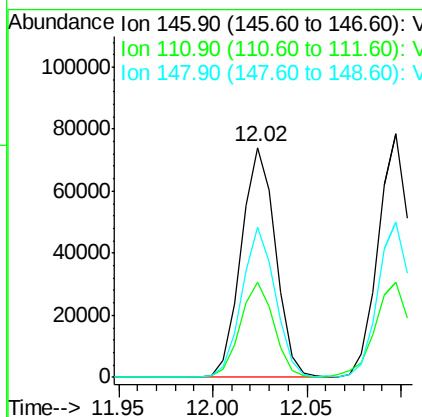
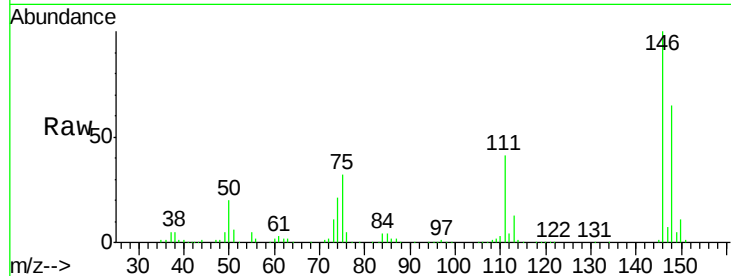
#87
 1,3-Dichlorobenzene
 Concen: 19.503 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	63.6	32.2	96.6

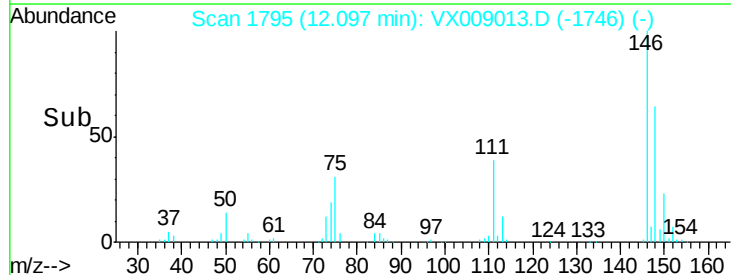
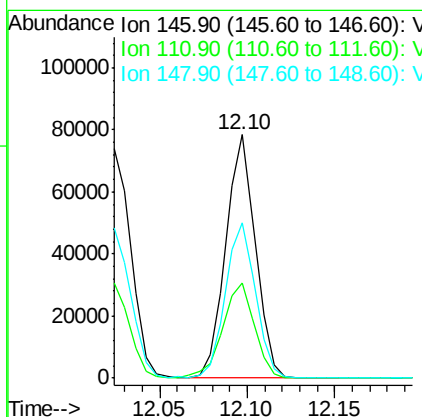
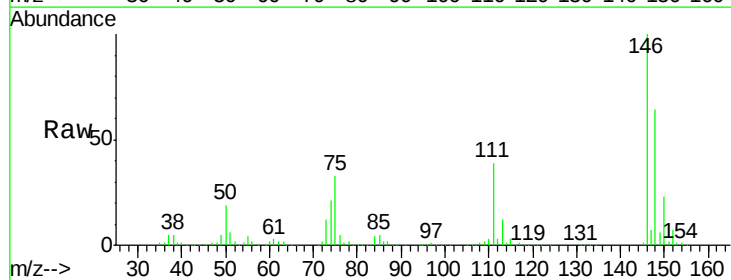
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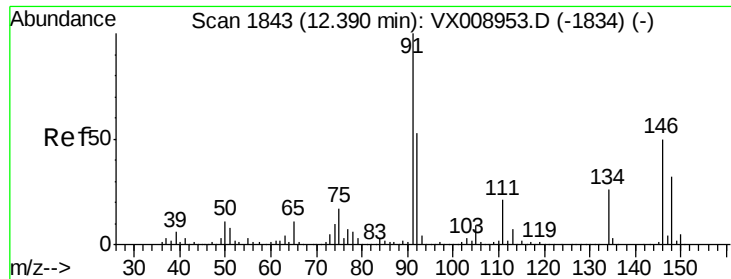
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#88
 1,4-Dichlorobenzene
 Concen: 19.098 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	59.9
148	64.9	32.2	96.6





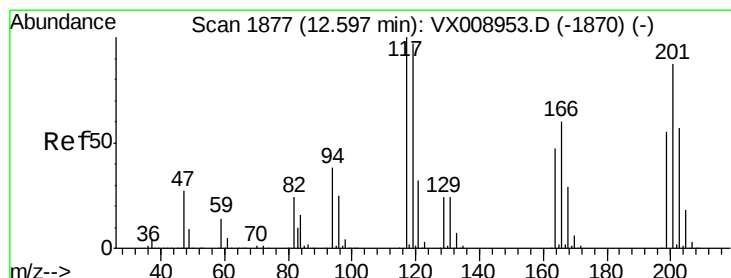
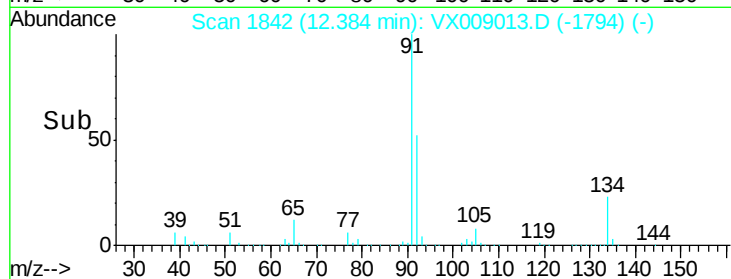
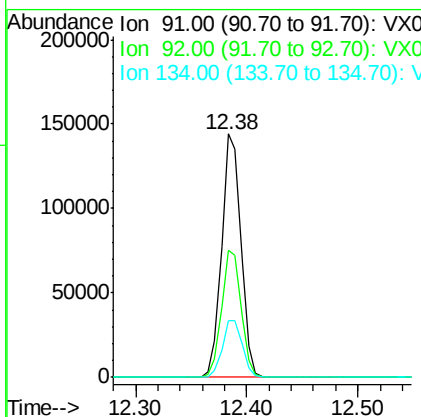
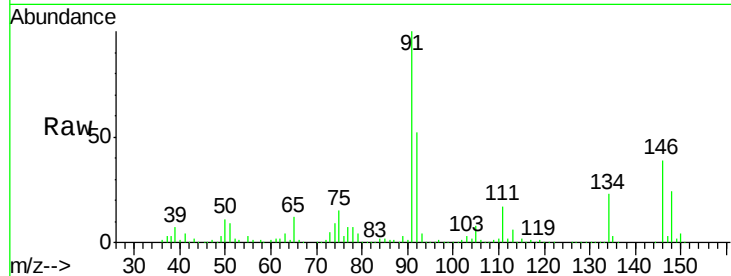
#89
n-Butylbenzene
Concen: 19.397 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.2	12.4	37.2

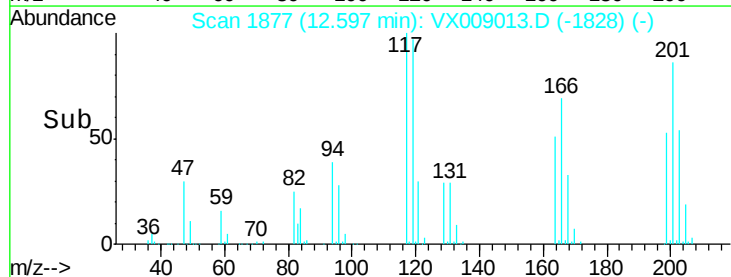
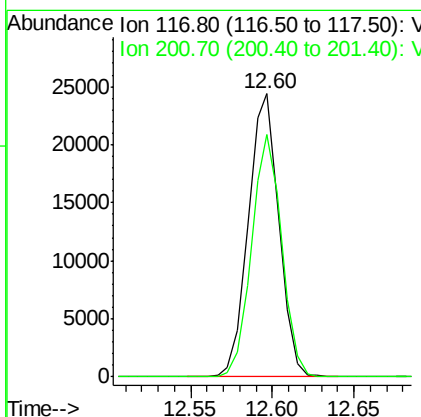
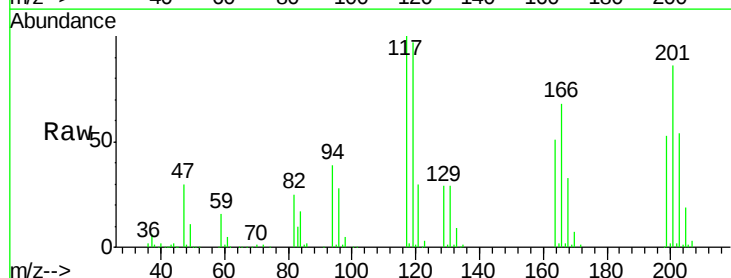
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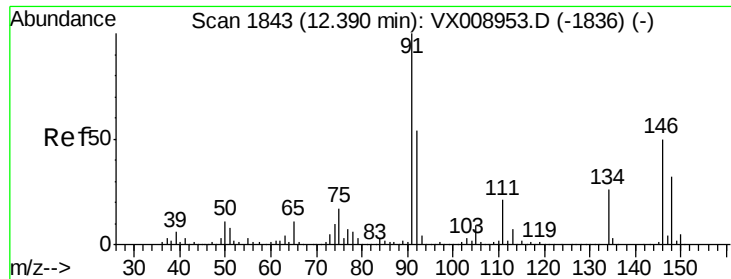
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#90
Hexachloroethane
Concen: 20.136 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	43.0	129.0





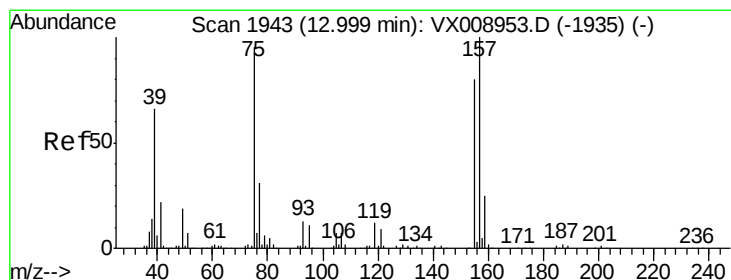
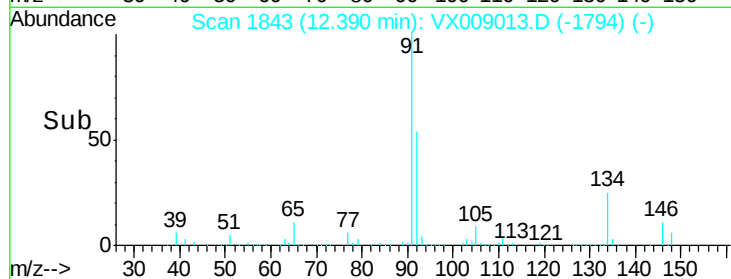
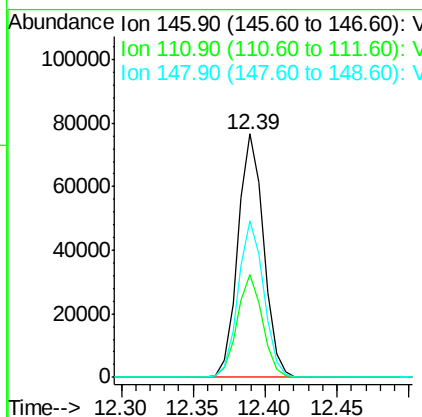
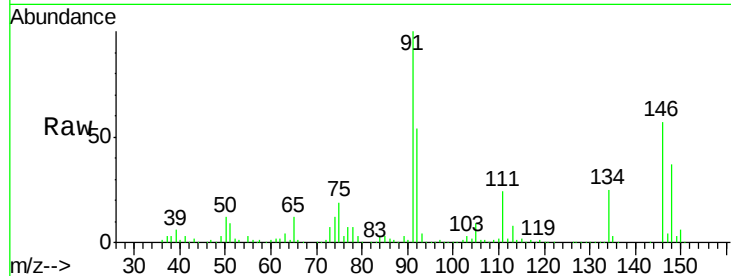
#91
 1,2-Dichlorobenzene
 Concen: 20.105 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.9
148	64.0	32.0	96.2

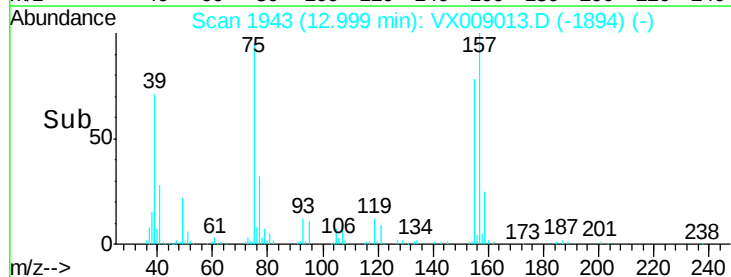
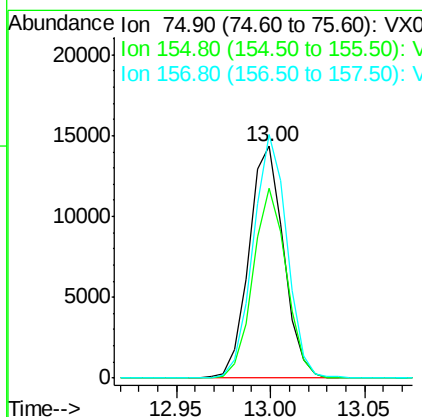
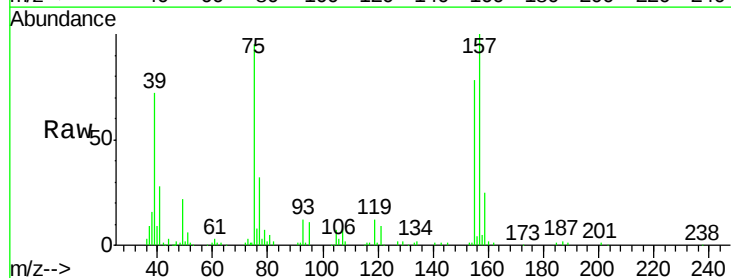
Manual Integrations
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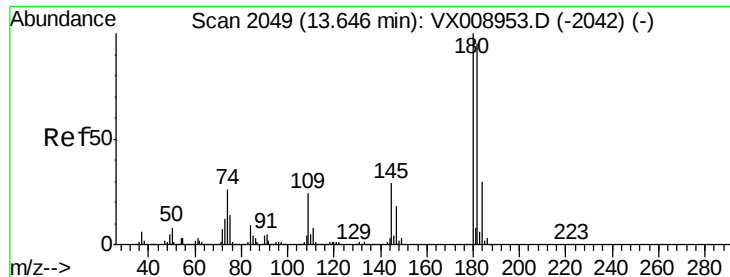
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.254 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	41.2	123.6
157	102.5	52.5	157.6





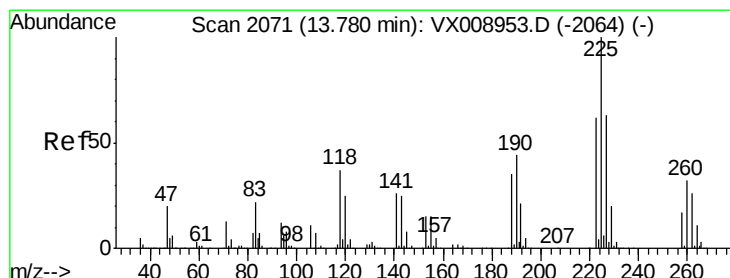
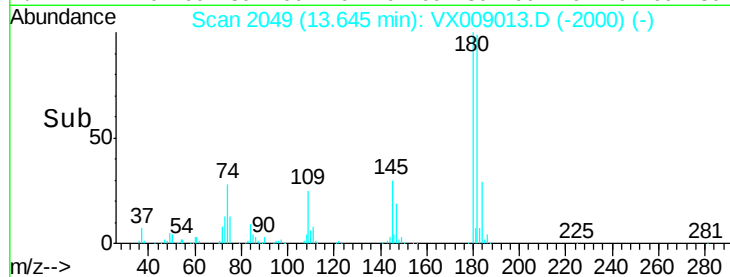
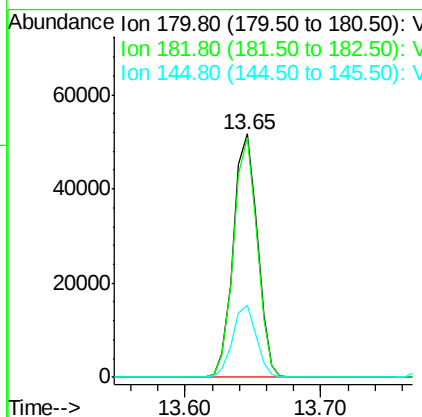
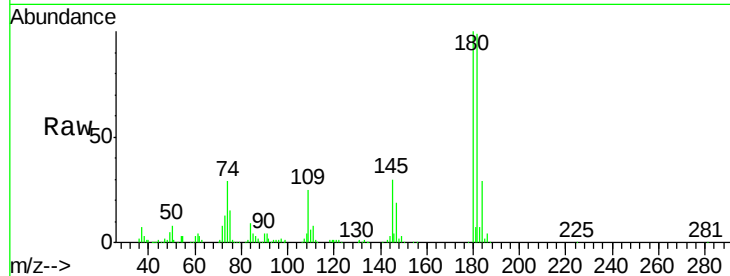
#93
 1,2,4-Trichlorobenzene
 Concen: 18.731 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.6	142.9
145	29.5	14.8	44.4

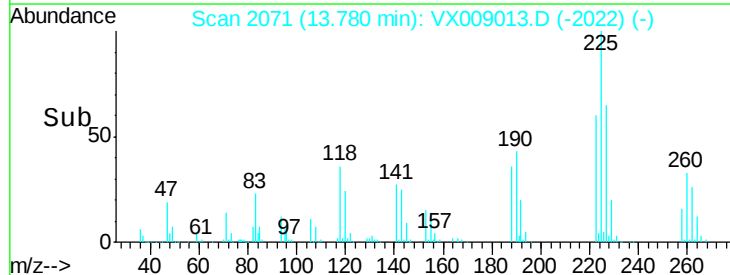
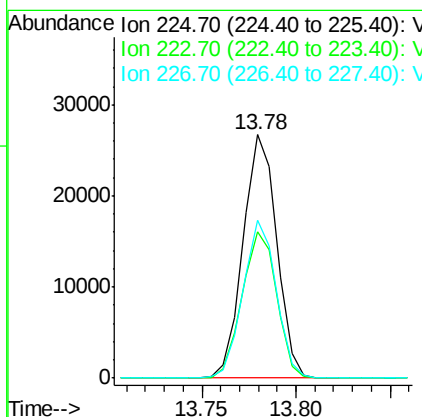
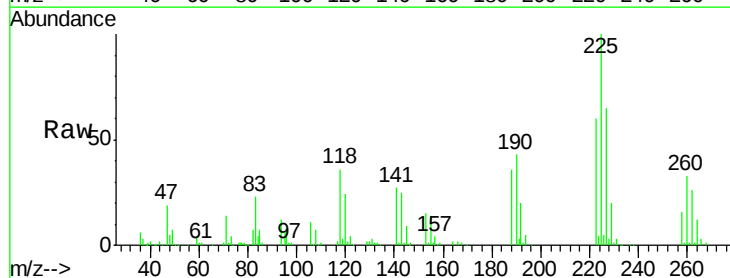
Manual Integrations
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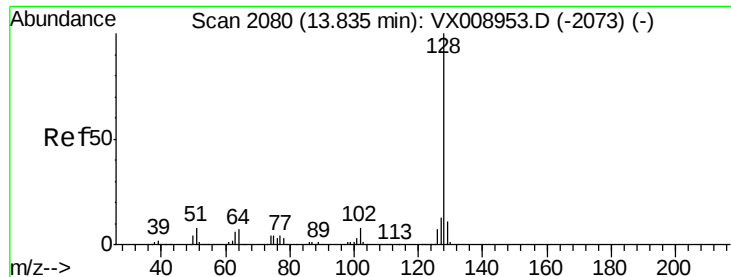
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#94
 Hexachlorobutadiene
 Concen: 19.441 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.1	93.2
227	63.7	32.0	96.2





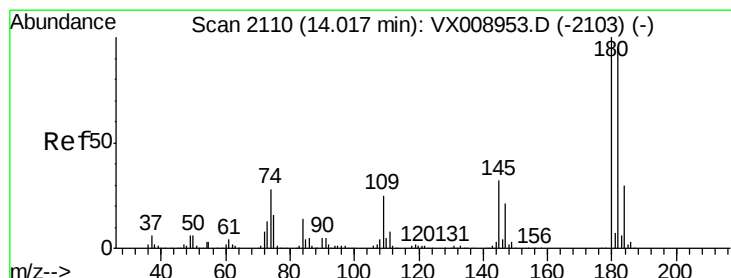
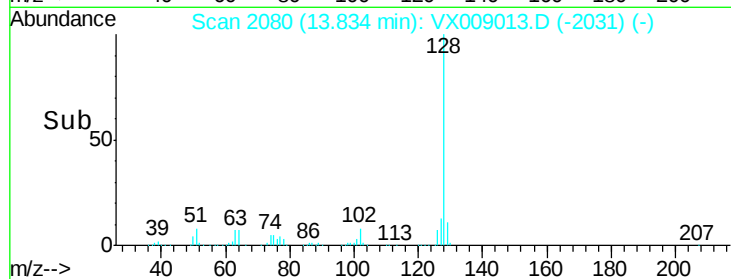
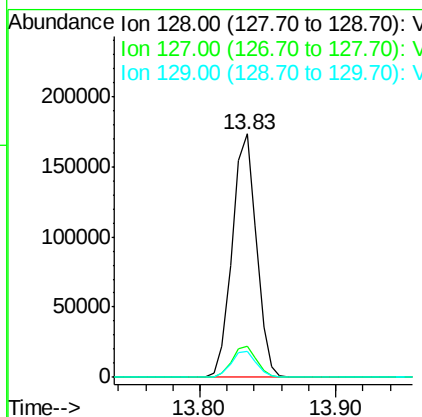
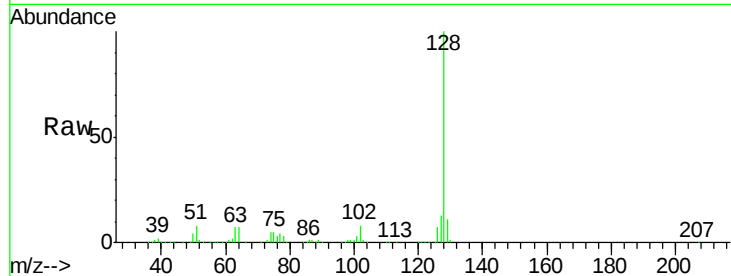
#95
Naphthalene
Concen: 19.658 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	215182		
127	13.1	10.6	16.0	
129	10.9	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.394 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65379		
182	94.1	47.8	143.4	
145	31.3	15.8	47.3	

