

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007851.D
 Acq On : 06 Mar 2019 09:41
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:34:39 AM

Quant Time: Mar 07 07:21:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	464709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	661644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	590800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	284905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	6050	1.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.46%	
35) Dibromofluoromethane	5.50	113	4813	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	
50) Toluene-d8	8.71	98	15693	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	
62) 4-Bromofluorobenzene	11.13	95	5256	0.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	2731	0.688	ug/l	98
3) Chloromethane	1.33	50	3918	0.766	ug/l	99
4) Vinyl Chloride	1.41	62	3568	0.702	ug/l	95
5) Bromomethane	1.64	94	2261	0.731	ug/l	99
6) Chloroethane	1.73	64	2386	0.706	ug/l	92
7) Trichlorofluoromethane	1.94	101	4626	0.699	ug/l	99
8) Diethyl Ether	2.19	74	1999	0.697	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2937	0.716	ug/l	97
10) Methyl Iodide	2.51	142	3562	0.612	ug/l	99
11) Tert butyl alcohol	3.06	59	4851	4.425	ug/l	99
12) 1,1-Dichloroethene	2.38	96	2764	0.699	ug/l	98
13) Acrolein	2.30	56	3878	5.858	ug/l	96
14) Allyl chloride	2.73	41	5644	0.679	ug/l	95
15) Acrylonitrile	3.15	53	9580	3.462	ug/l	98
16) Acetone	2.45	43	10817	3.812	ug/l	99
17) Carbon Disulfide	2.57	76	9175	0.691	ug/l	99
18) Methyl Acetate	2.78	43	3954	0.656	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	9223	0.678	ug/l	91
20) Methylene Chloride	2.86	84	3465	0.767	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	3199	0.735	ug/l	98
22) Diisopropyl ether	3.87	45	11280	0.741	ug/l	94
23) Vinyl Acetate	3.82	43	47779	3.578	ug/l	99
24) 1,1-Dichloroethane	3.70	63	5763	0.703	ug/l	97
25) 2-Butanone	4.70	43	14131	3.518	ug/l	99
26) 2,2-Dichloropropane	4.58	77	3909	0.720	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	3331	0.669	ug/l	92
28) Bromochloromethane	5.01	49	2807	0.735	ug/l #	97
29) Tetrahydrofuran	5.15	42	8572	3.421	ug/l	97
30) Chloroform	5.21	83	5308	0.685	ug/l	92
31) Cyclohexane	5.57	56	4929	0.654	ug/l #	85
32) 1,1,1-Trichloroethane	5.49	97	4256	0.662	ug/l #	48
36) 1,1-Dichloropropene	5.79	75	4391	0.733	ug/l	96
37) Ethyl Acetate	4.85	43	5161	0.726	ug/l	96
38) Carbon Tetrachloride	5.78	117	4150	0.730	ug/l	91

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	5062	0.697	ug/l	98
40) Benzene	6.14	78	12637	0.709	ug/l	99
41) Methacrylonitrile	5.06	41	2686	0.693	ug/l	97
42) 1,2-Dichloroethane	6.20	62	4122	0.707	ug/l	98
43) Isopropyl Acetate	6.46	43	7212	0.685	ug/l	99
44) Trichloroethene	7.21	130	3549	0.722	ug/l	94
45) 1,2-Dichloropropane	7.52	63	3201	0.680	ug/l	96
46) Dibromomethane	7.66	93	2029	0.681	ug/l	97
47) Bromodichloromethane	7.90	83	3778	0.668	ug/l #	96
48) Methyl methacrylate	7.77	41	3683	0.666	ug/l	97
49) 1,4-Dioxane	7.76	88	1481	13.033	ug/l #	89
51) 4-Methyl-2-Pentanone	8.65	43	21880	3.234	ug/l	99
52) Toluene	8.78	92	7450	0.684	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	3358	0.569	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	4225	0.634	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	3068	0.696	ug/l	94
56) Ethyl methacrylate	9.18	69	4125	0.623	ug/l	96
57) 1,3-Dichloropropane	9.37	76	5141	0.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	7787	2.275	ug/l	99
59) 2-Hexanone	9.49	43	17145	3.264	ug/l	97
60) Dibromochloromethane	9.58	129	3038	0.659	ug/l	98
61) 1,2-Dibromoethane	9.67	107	3006	0.642	ug/l	96
64) Tetrachloroethene	9.34	164	3780	0.772	ug/l	98
65) Chlorobenzene	10.14	112	8654	0.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	2919	0.659	ug/l #	65
67) Ethyl Benzene	10.25	91	13635	0.670	ug/l	97
68) m/p-Xylenes	10.36	106	10332	1.317	ug/l	99
69) o-Xylene	10.70	106	4927	0.651	ug/l	97
70) Styrene	10.71	104	7652	0.617	ug/l	98
71) Bromoform	10.85	173	2350	0.618	ug/l #	95
73) Isopropylbenzene	11.02	105	12646	0.656	ug/l	99
74) N-amyl acetate	10.90	43	5369	0.610	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	4843	0.729	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	4306m	0.714	ug/l	
77) Bromobenzene	11.26	156	3629	0.687	ug/l	97
78) n-propylbenzene	11.36	91	13680	0.640	ug/l	97
79) 2-Chlorotoluene	11.42	91	8974	0.687	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	10094	0.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1094	0.585	ug/l #	82
82) 4-Chlorotoluene	11.51	91	9877	0.659	ug/l	98
83) tert-Butylbenzene	11.77	119	10813	0.677	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	10210	0.628	ug/l	100
85) sec-Butylbenzene	11.94	105	12092	0.643	ug/l	100
86) p-Isopropyltoluene	12.06	119	10751	0.638	ug/l	92
87) 1,3-Dichlorobenzene	12.02	146	6561	0.702	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	6815m	0.711	ug/l	
89) n-Butylbenzene	12.38	91	8808	0.617	ug/l	99
90) Hexachloroethane	12.60	117	1984	0.704	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	6762	0.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	936	0.674	ug/l	95

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:39 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:50:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4025	0.617	ug/l	100
94) Hexachlorobutadiene	13.78	225	2530	0.742	ug/l	98
95) Naphthalene	13.83	128	10138	0.539	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	4073	0.627	ug/l	98

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

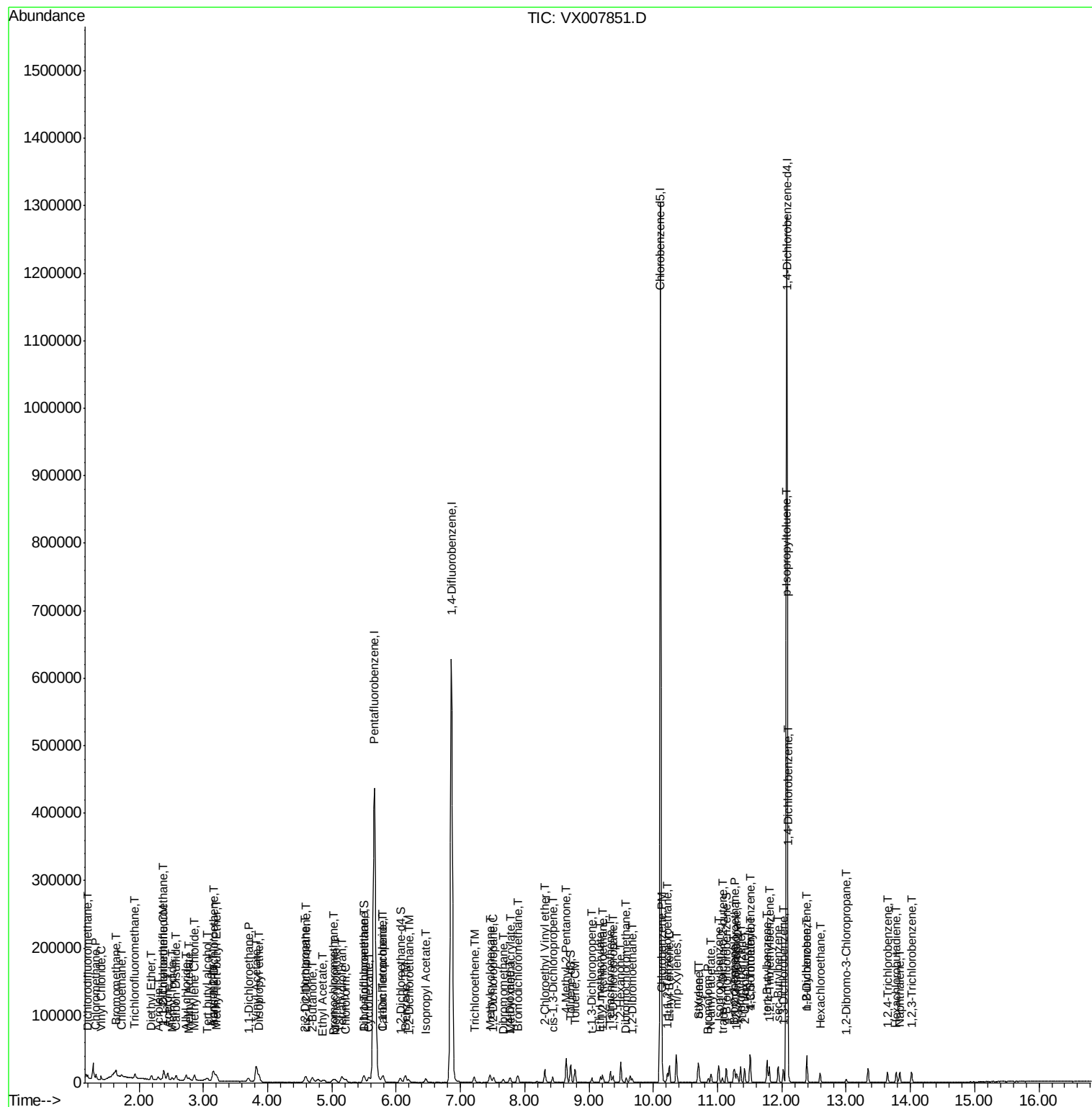
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007851.D
 Acq On : 06 Mar 2019 09:41
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
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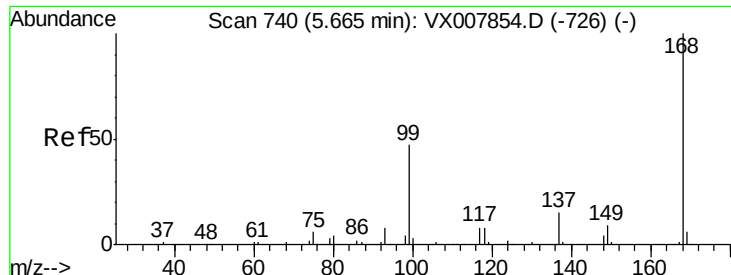
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 464709

Ion Ratio Lower Upper

168 100

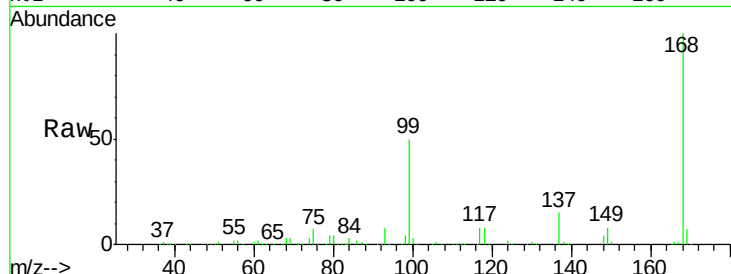
99 49.9 37.6 56.4

Manual Integrations

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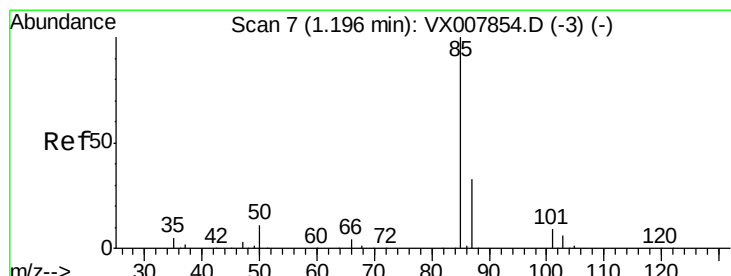
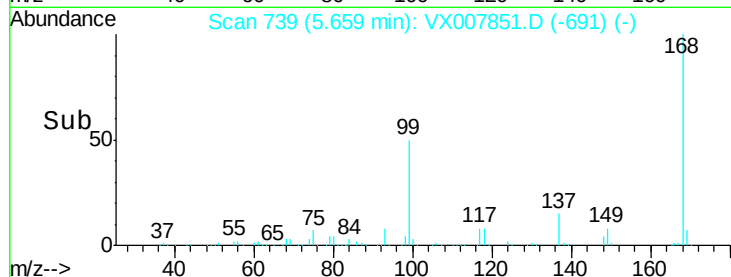
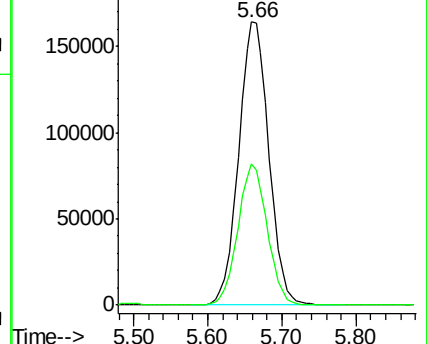
MMDadoda

3/7/2019 10:34:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.688 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007851.D

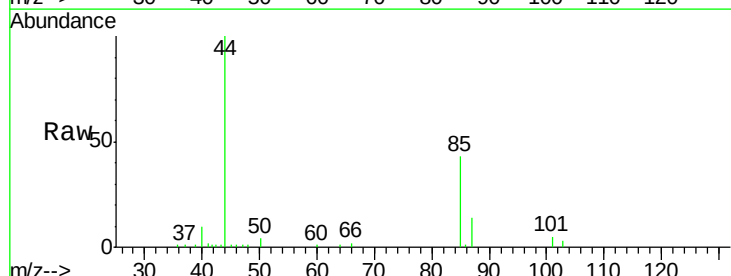
Acq: 06 Mar 2019 09:41

Tgt Ion: 85 Resp: 2731

Ion Ratio Lower Upper

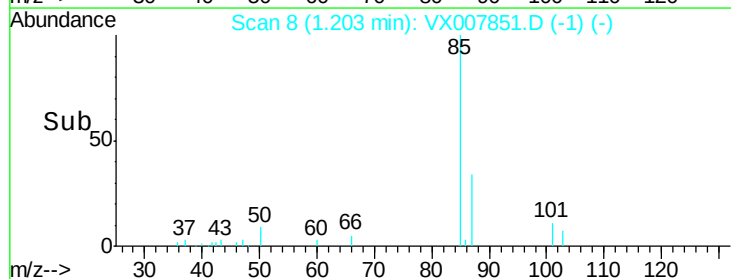
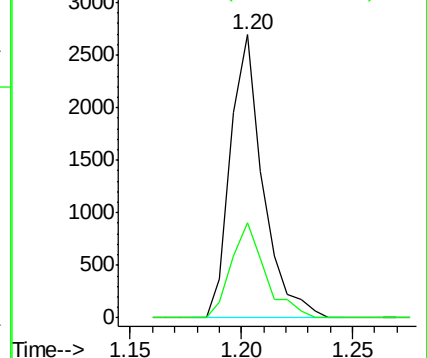
85 100

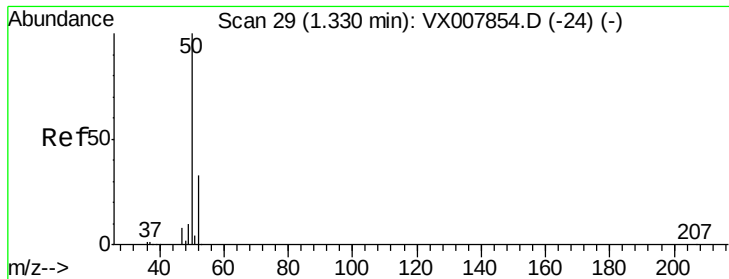
87 33.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.766 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3918

Ion Ratio Lower Upper

50 100

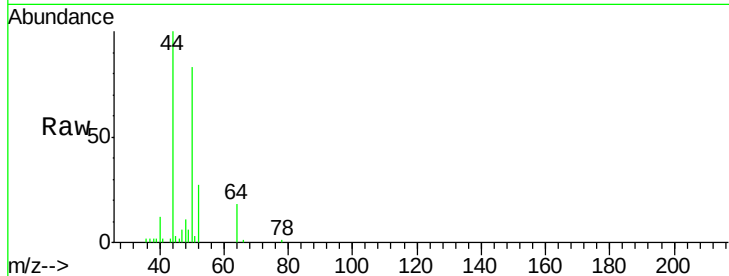
52 32.3 26.5 39.7

Manual Integrations

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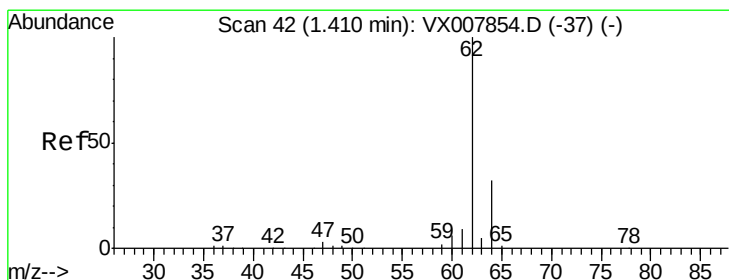
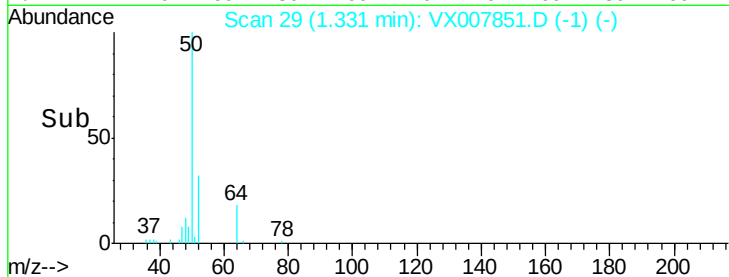
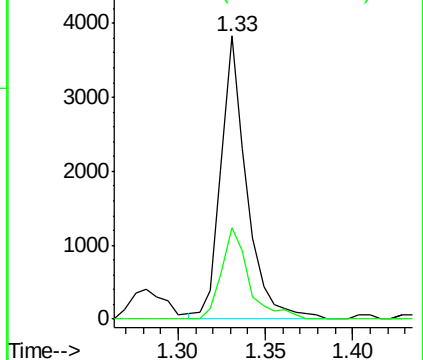
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.702 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007851.D

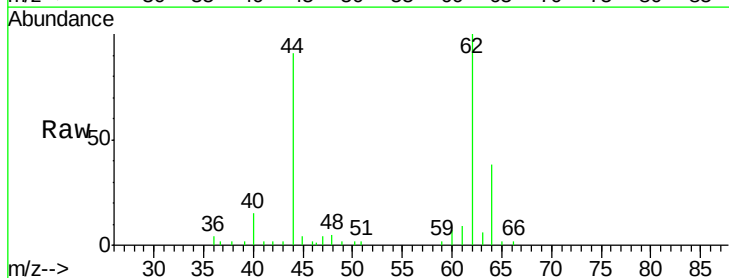
Acq: 06 Mar 2019 09:41

Tgt Ion: 62 Resp: 3568

Ion Ratio Lower Upper

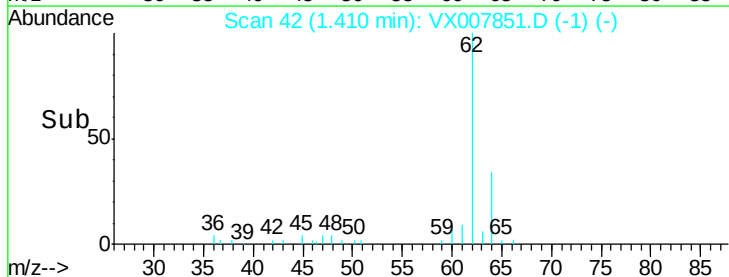
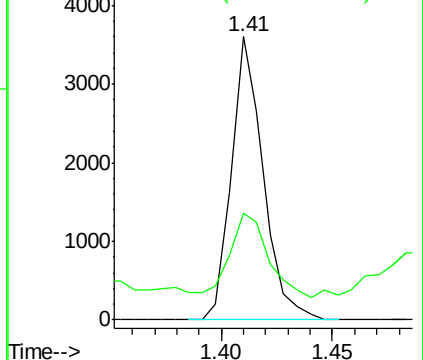
62 100

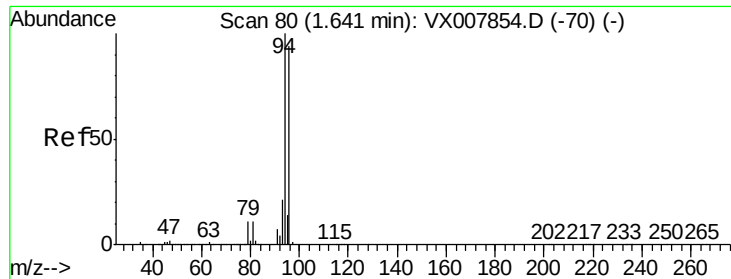
64 29.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.731 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 94 Resp: 2261

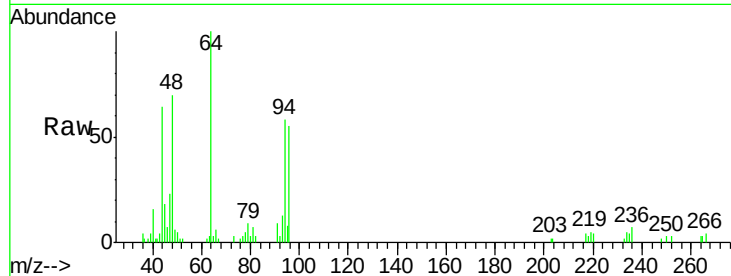
Ion Ratio Lower Upper

94 100

96 93.3 75.5 113.3

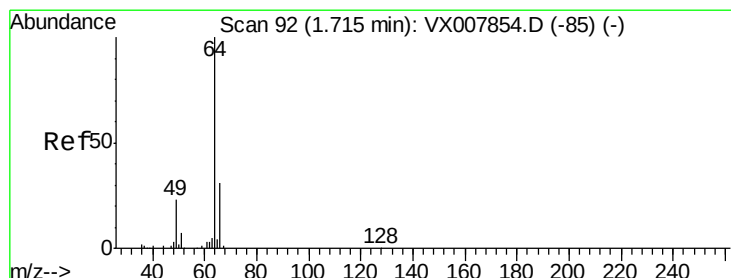
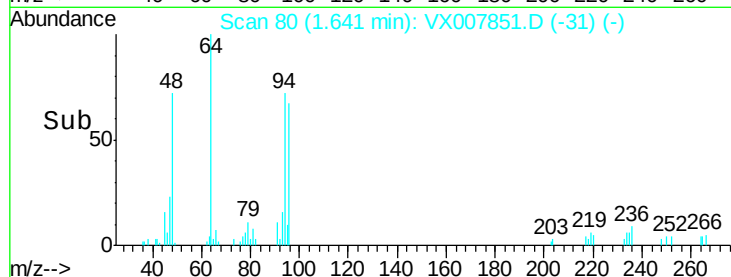
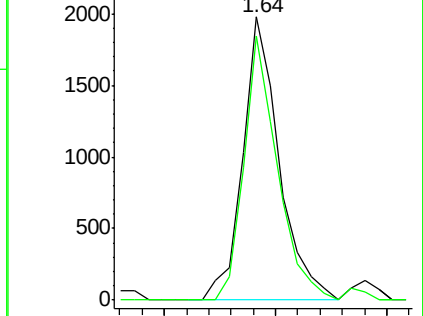
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.706 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX007851.D

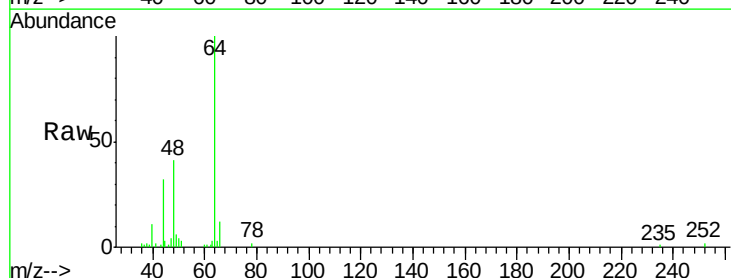
Acq: 06 Mar 2019 09:41

Tgt Ion: 64 Resp: 2386

Ion Ratio Lower Upper

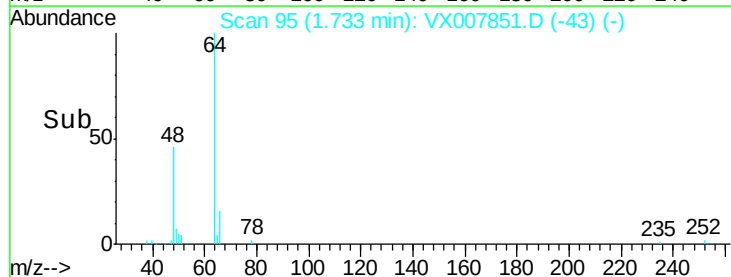
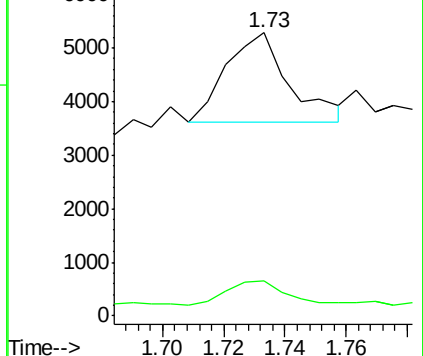
64 100

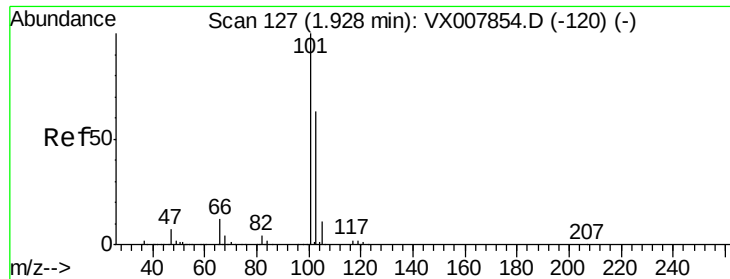
66 27.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

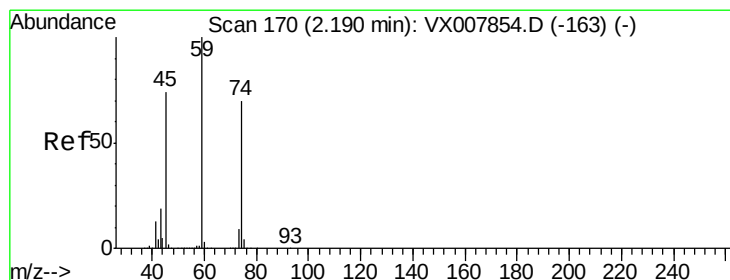
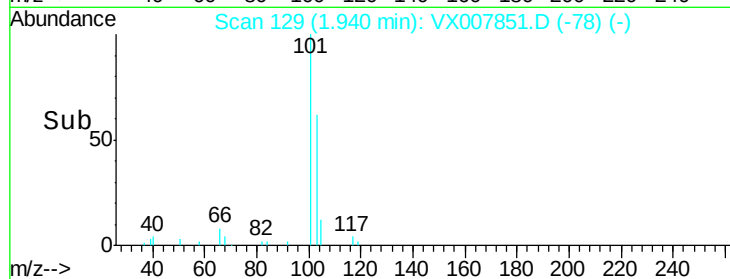
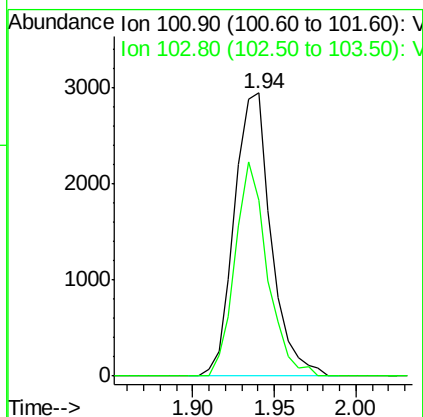
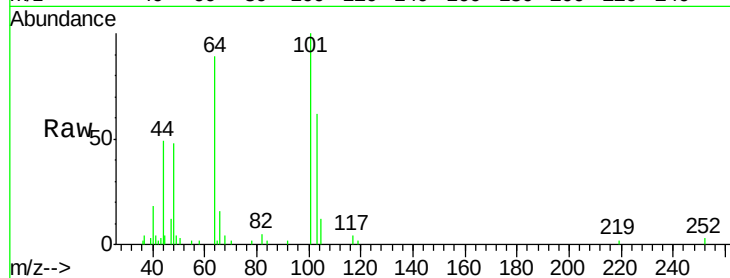
Trichlorofluoromethane
 Concen: 0.699 ug/l
 RT: 1.94 min Scan# 129
 Delta R.T. 0.01 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
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 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.4	75.6

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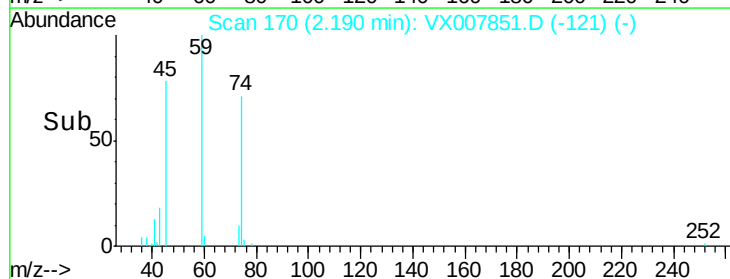
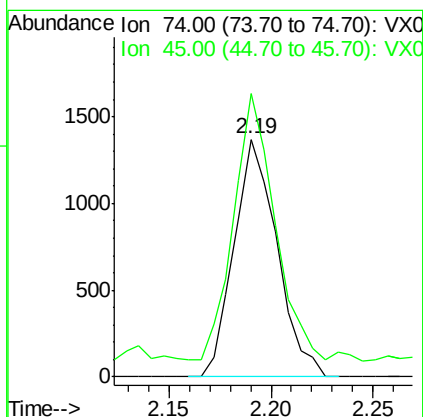
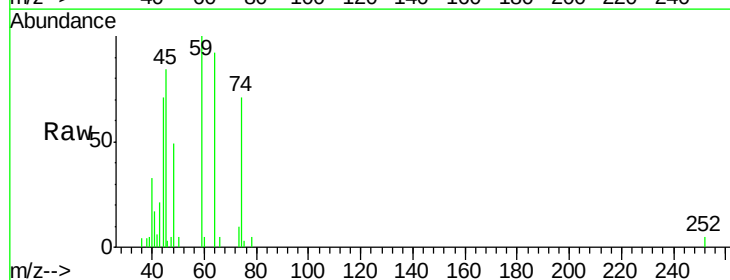
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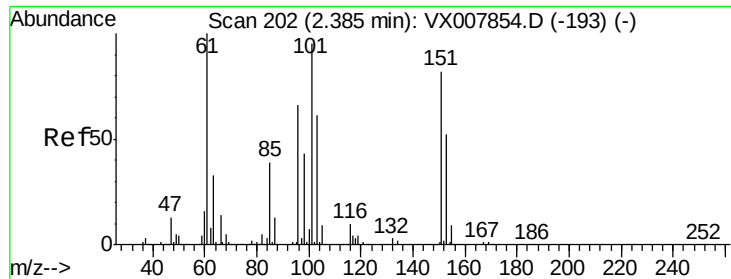


#8

Diethyl Ether
 Concen: 0.697 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.716 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

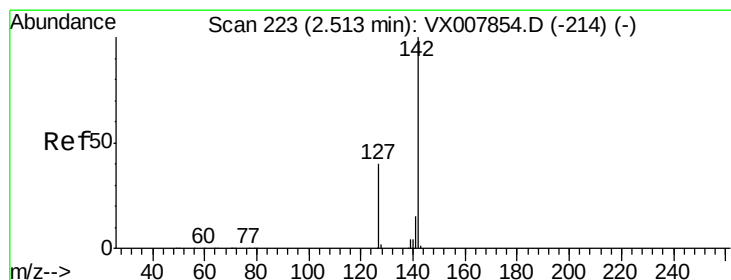
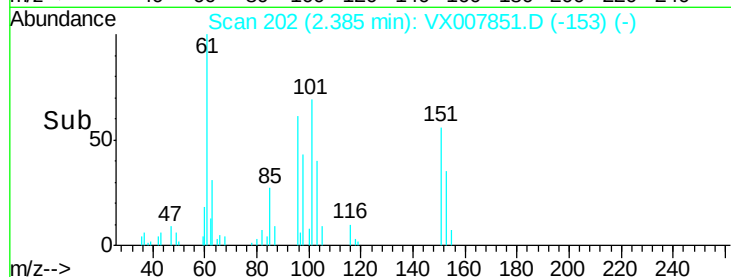
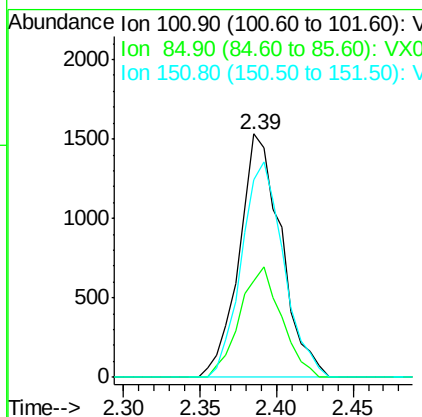
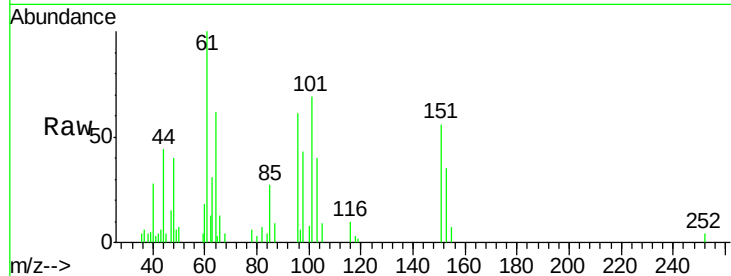
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	2937
Ion Ratio	Lower	Upper	
101	100		
85	44.8	33.8	50.6
151	88.4	69.1	103.7

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#10

Methyl Iodide

Concen: 0.612 ug/l

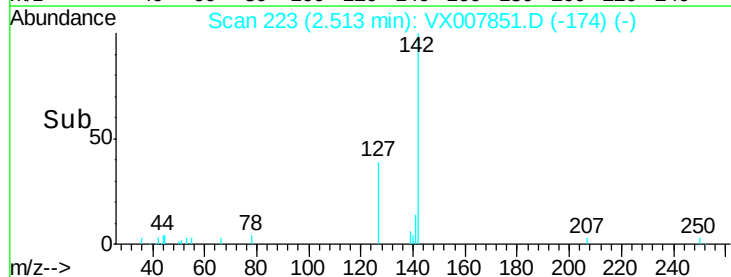
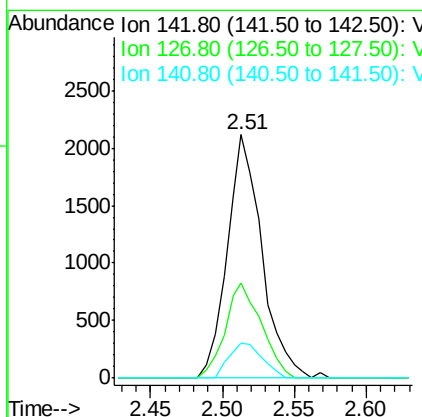
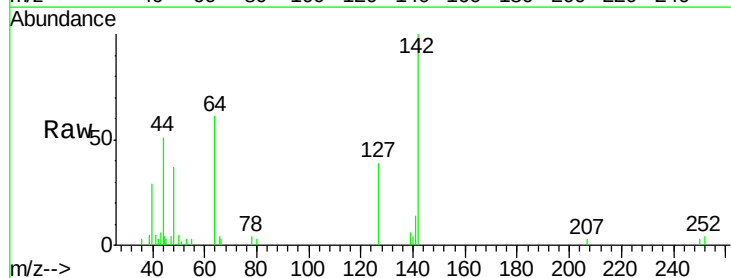
RT: 2.51 min Scan# 223

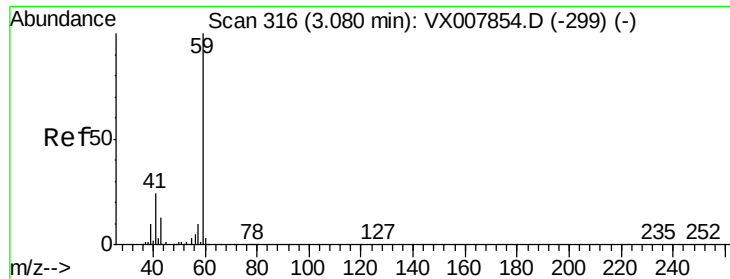
Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:	142	Resp:	3562
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.1	48.1
141	13.9	11.4	17.2





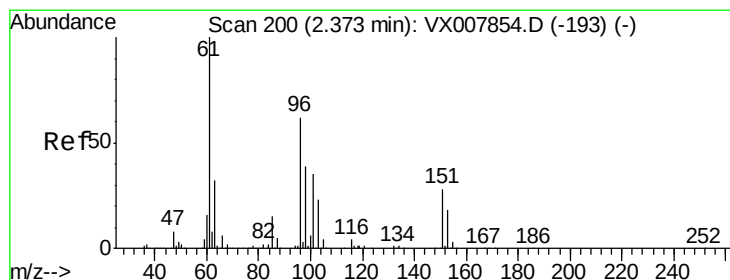
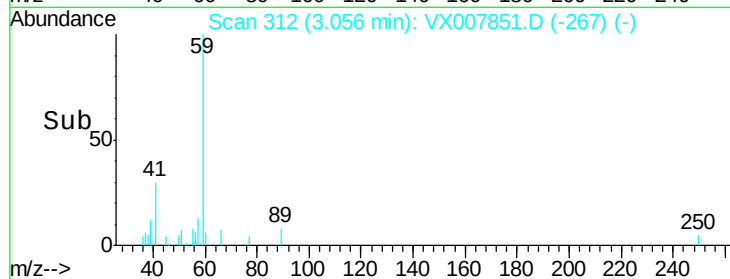
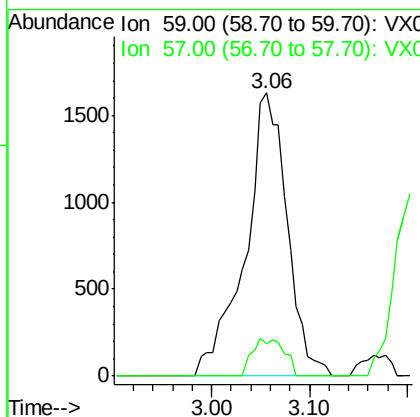
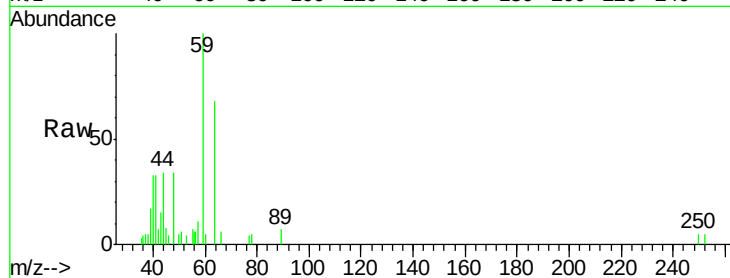
#11
Tert butyl alcohol
Concen: 4.425 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

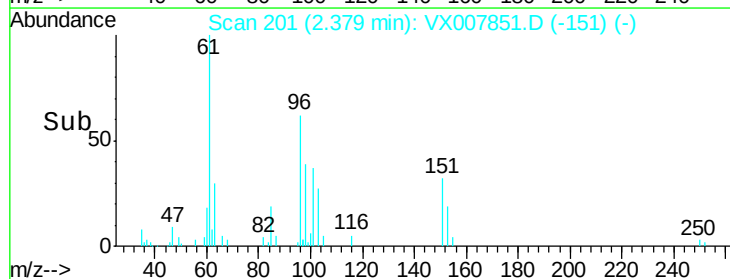
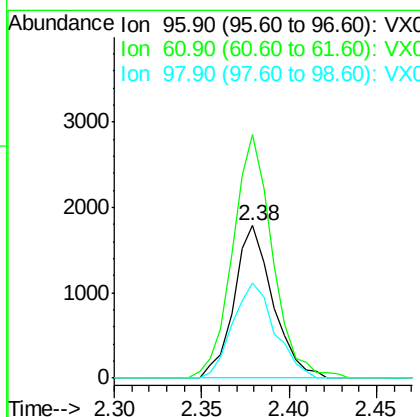
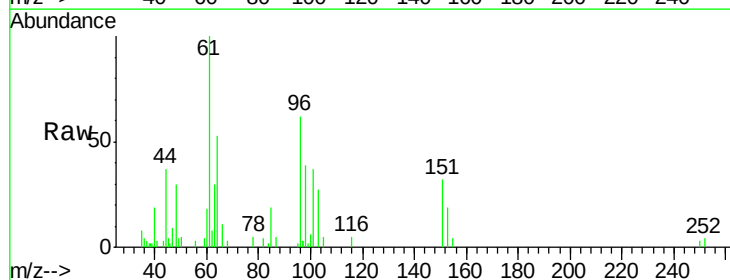
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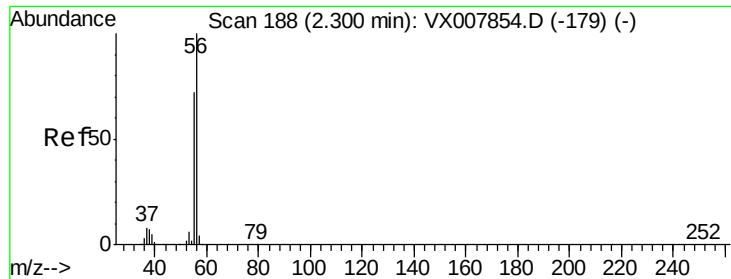
MMDadoda
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#12
1,1-Dichloroethene
Concen: 0.699 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	129.8	194.6
98	62.8	51.0	76.6





#13

Acrolein

Concen: 5.858 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 56 Resp: 3878

Ion Ratio Lower Upper

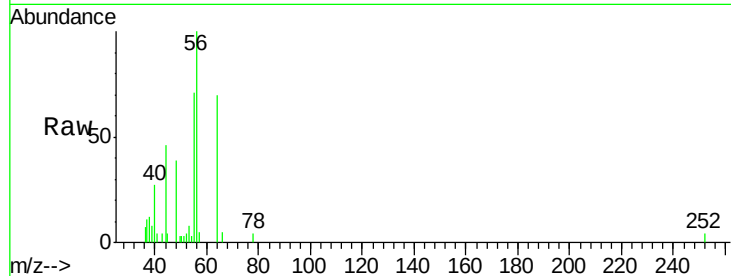
56 100

55 68.7 57.8 86.6

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2500

2000

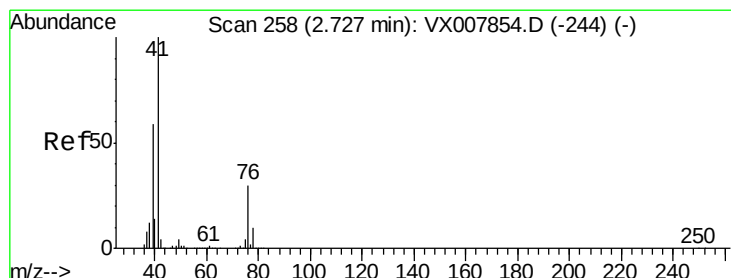
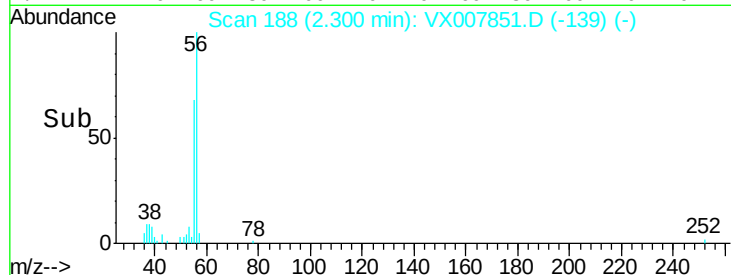
1500

1000

500

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 0.679 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

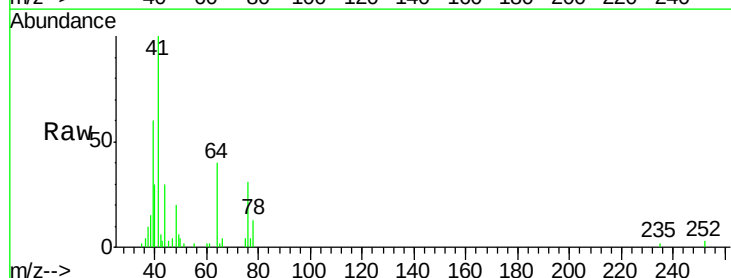
Tgt Ion: 41 Resp: 5644

Ion Ratio Lower Upper

41 100

39 62.4 46.1 69.1

76 31.8 24.0 36.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

4000

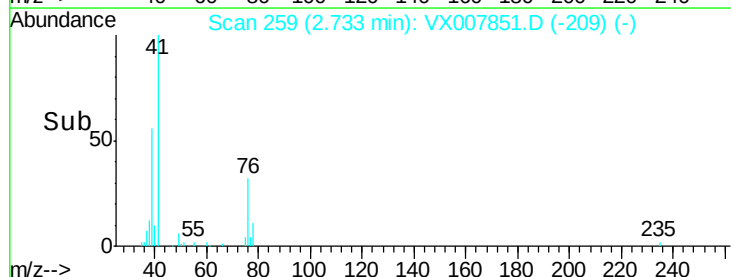
3000

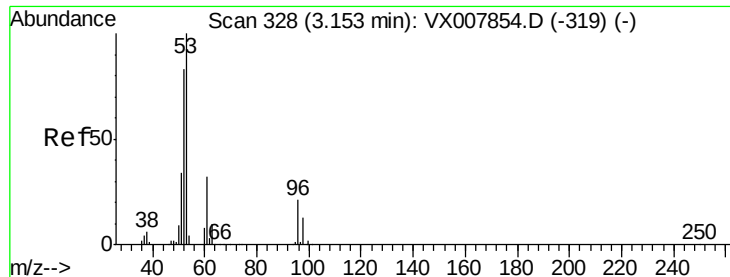
2000

1000

0

Time--> 2.65 2.70 2.75 2.80





#15

Acrylonitrile

Concen: 3.462 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

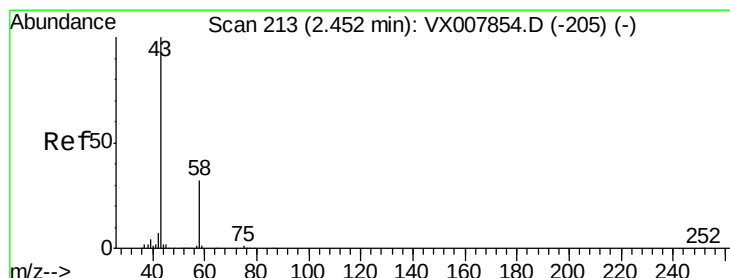
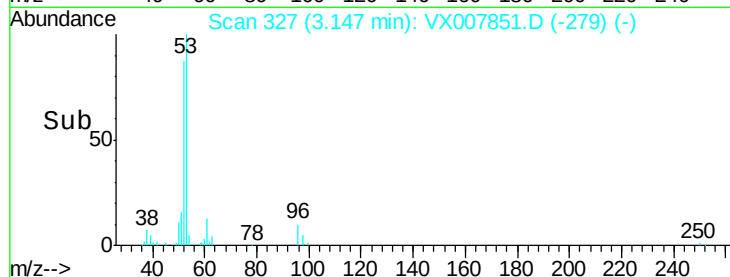
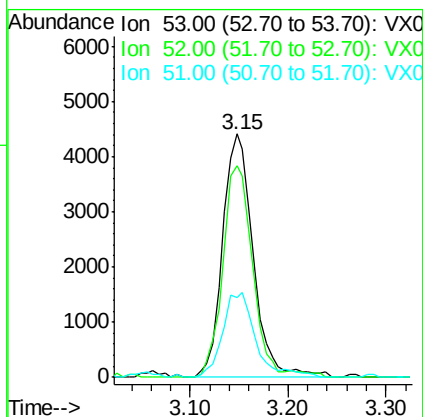
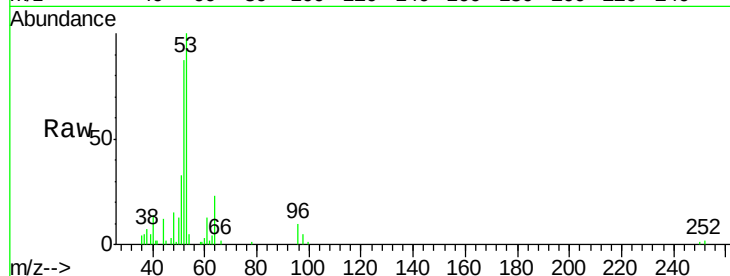
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	9580
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.0	99.0
51	37.6	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 3.812 ug/l

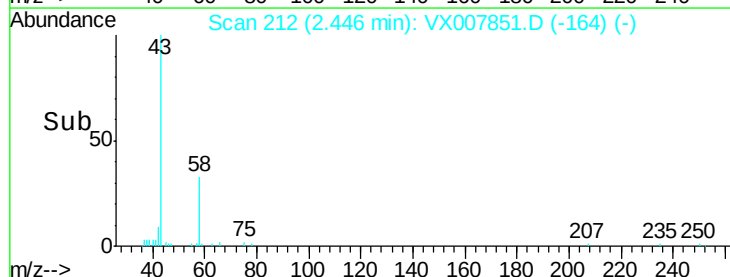
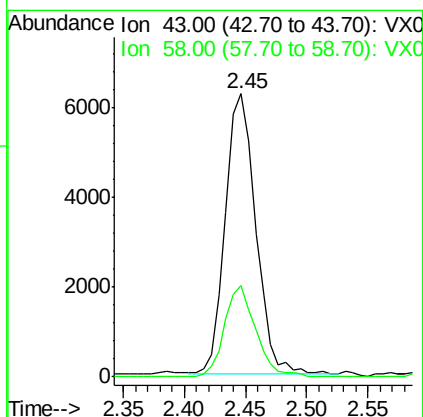
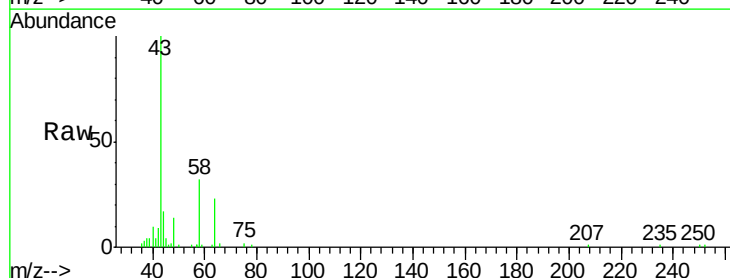
RT: 2.45 min Scan# 212

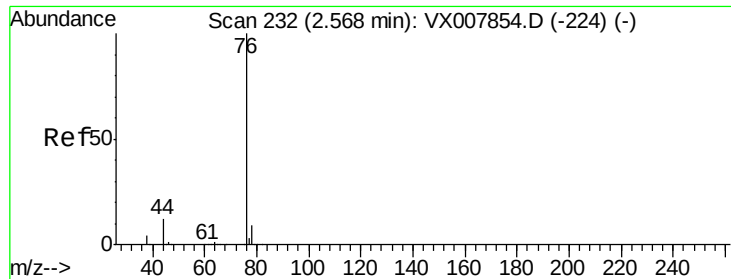
Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:	43	Resp:	10817
Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.5	38.3





#17

Carbon Disulfide

Concen: 0.691 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 9175

Ion Ratio Lower Upper

76 100

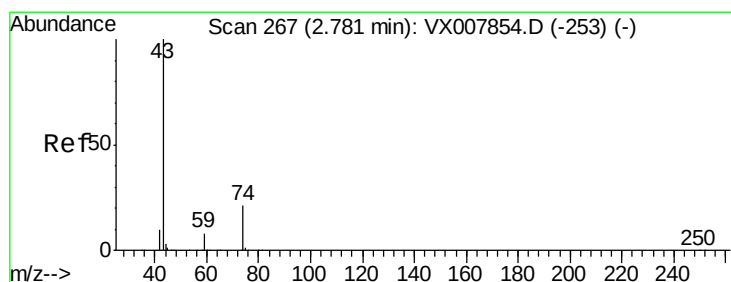
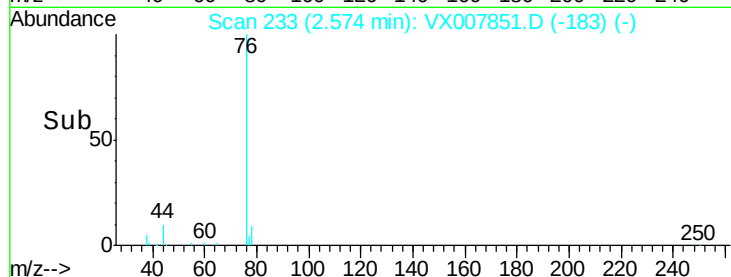
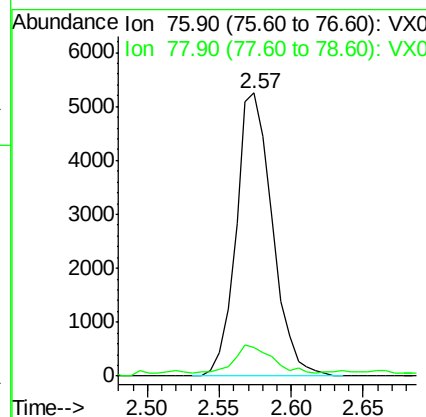
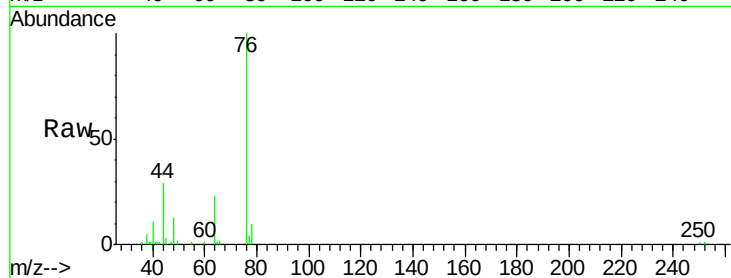
78 9.4 7.2 10.8

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#18

Methyl Acetate

Concen: 0.656 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007851.D

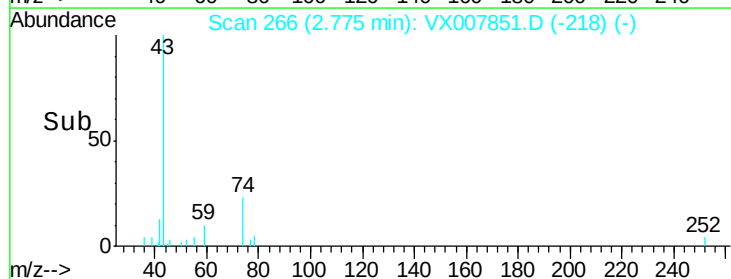
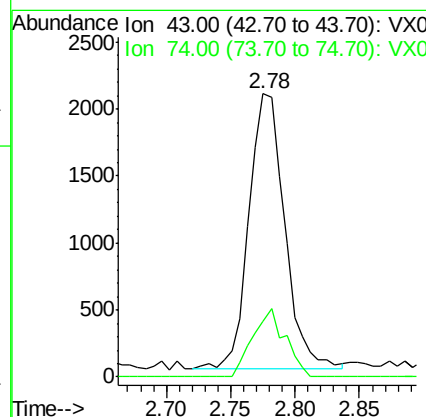
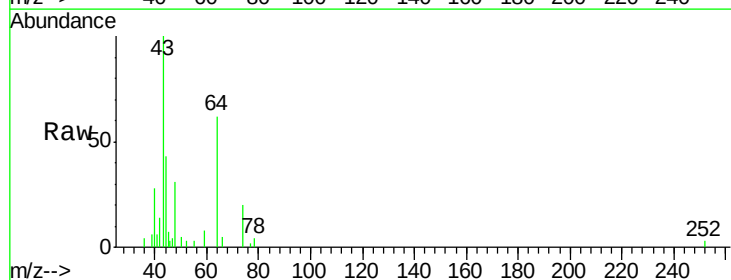
Acq: 06 Mar 2019 09:41

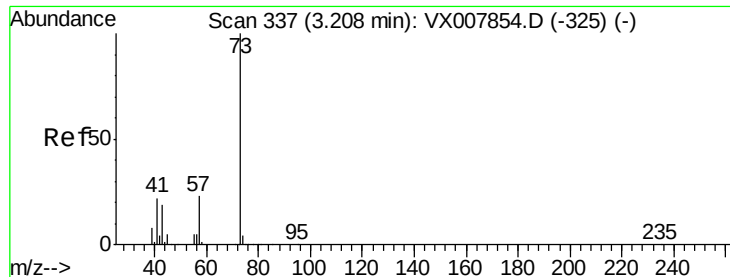
Tgt Ion: 43 Resp: 3954

Ion Ratio Lower Upper

43 100

74 22.5 17.8 26.6





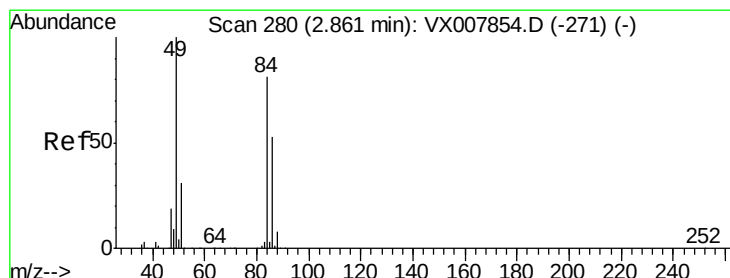
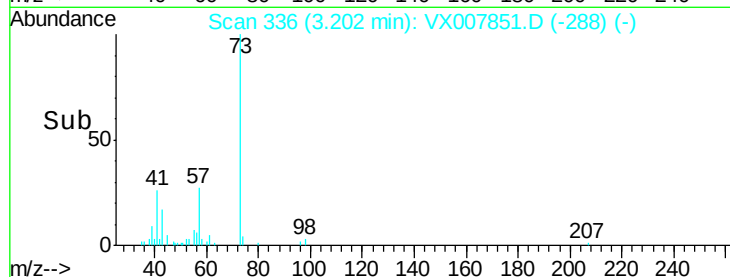
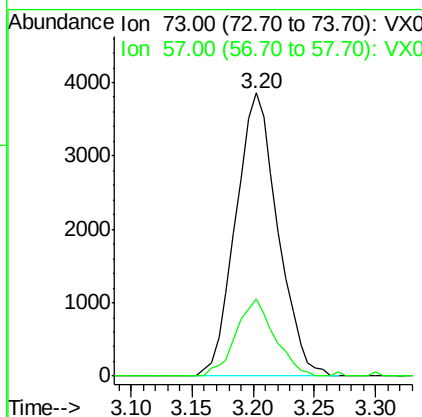
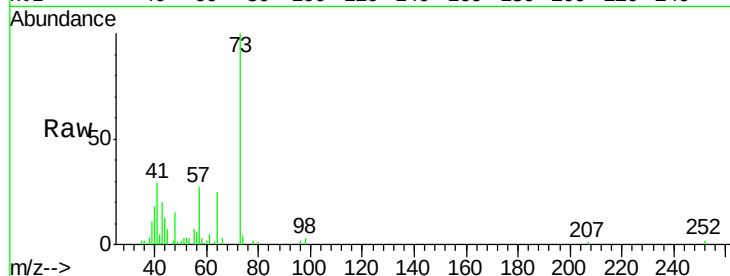
#19
Methyl tert-butyl Ether
Concen: 0.678 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	73	Resp:	9223
Ion Ratio	Lower	Upper	
73	100		
57	27.2	18.2	27.4

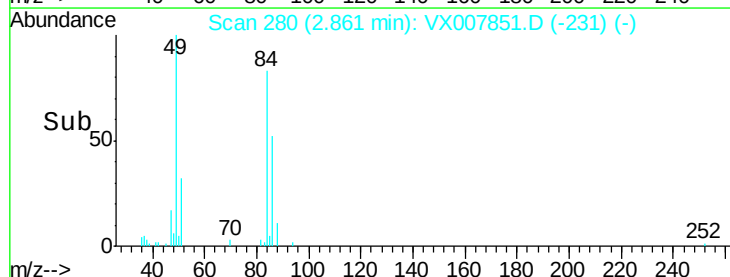
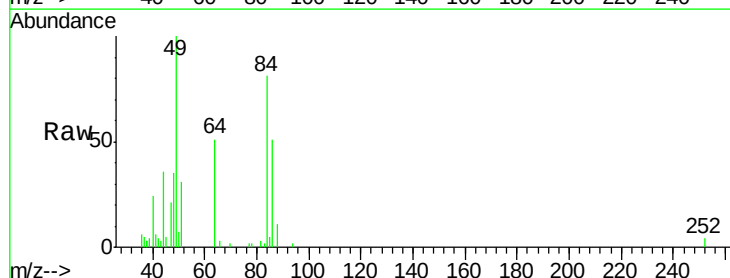
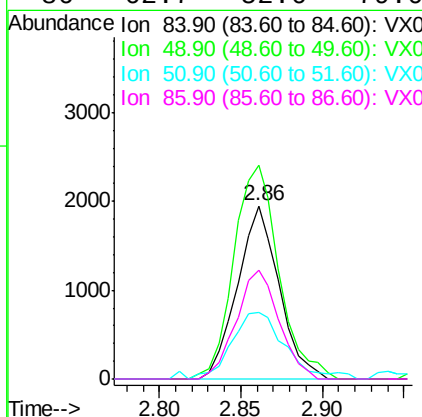
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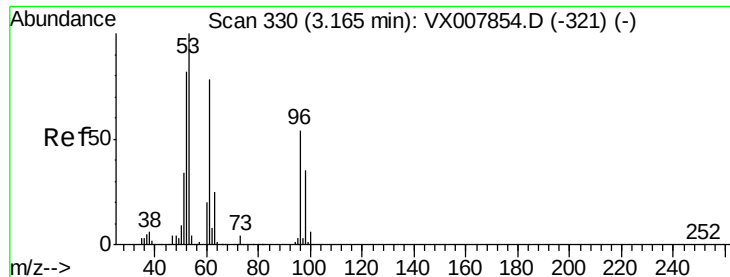
MMDadoda
3/7/2019 10:34:39 AM



#20
Methylene Chloride
Concen: 0.767 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	84	Resp:	3465
Ion Ratio	Lower	Upper	
84	100		
49	123.6	99.3	148.9
51	38.7	31.3	46.9
86	62.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 0.735 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

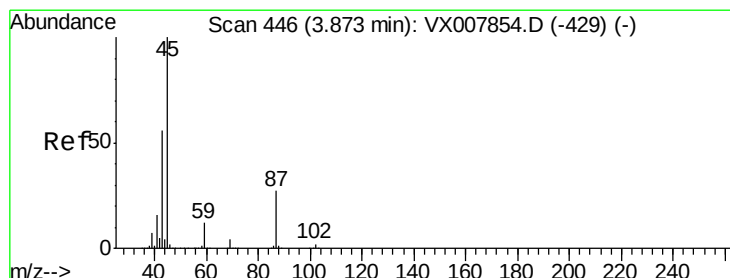
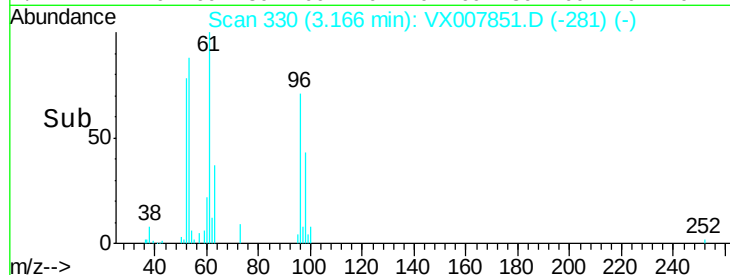
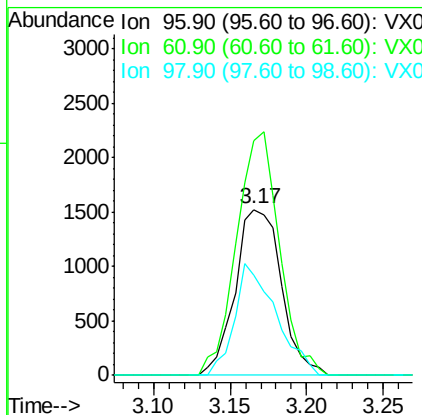
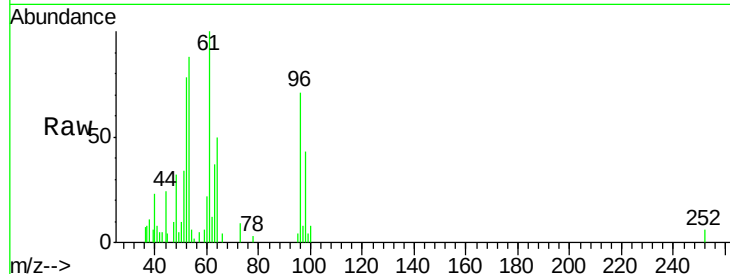
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3199
Ion	Ratio	Lower	Upper
96	100		
61	141.8	114.4	171.6
98	60.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.741 ug/l

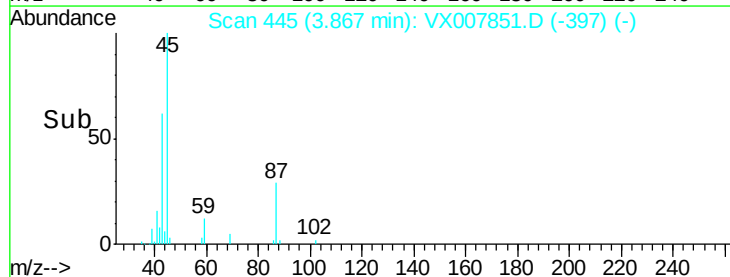
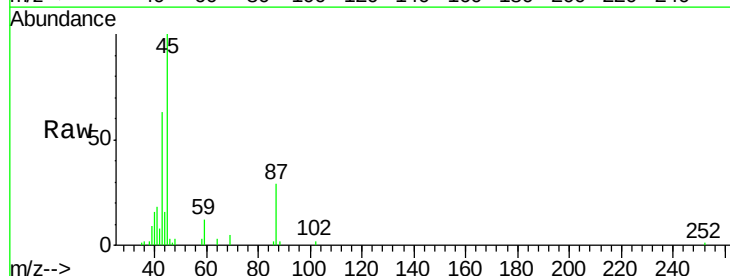
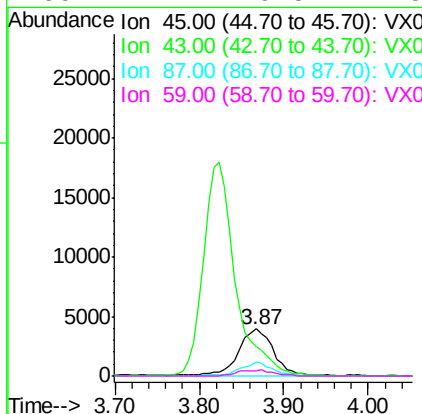
RT: 3.87 min Scan# 446

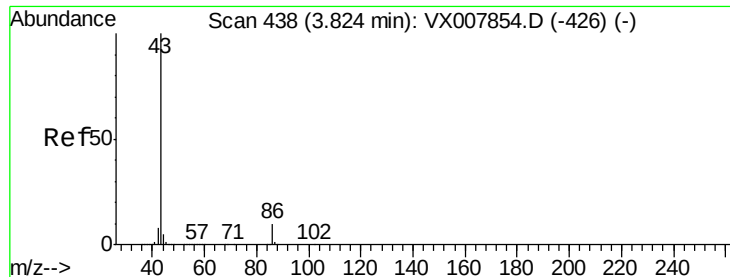
Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:	45	Resp:	11280
Ion	Ratio	Lower	Upper
45	100		
43	62.7	45.3	67.9
87	28.6	21.4	32.0
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 3.578 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 47779

Ion Ratio Lower Upper

43 100

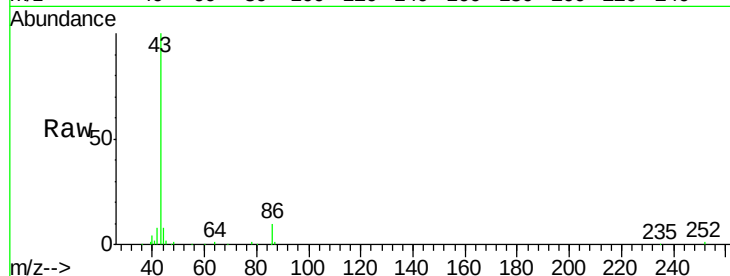
86 10.2 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

20000

15000

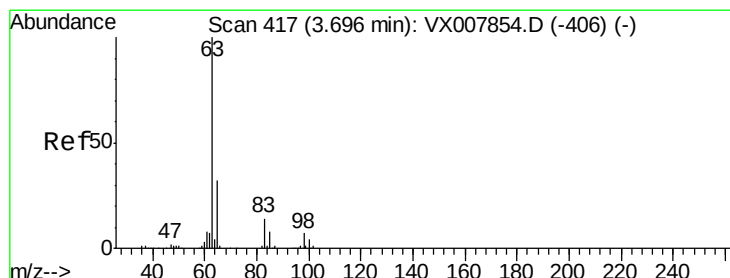
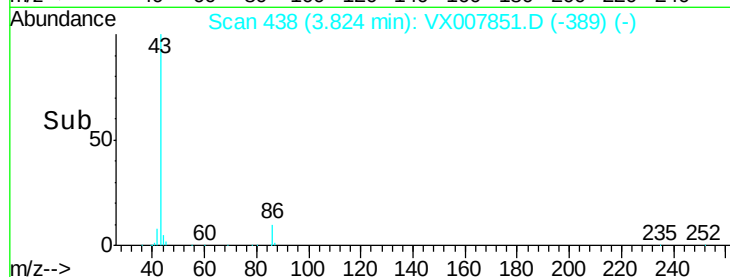
10000

5000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 0.703 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

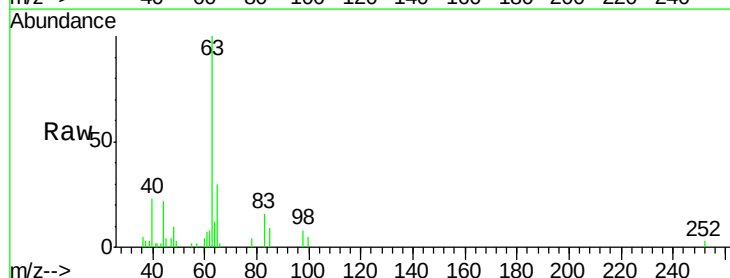
Tgt Ion: 63 Resp: 5763

Ion Ratio Lower Upper

63 100

98 7.9 3.3 9.8

100 5.1 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

3000

2500

2000

1500

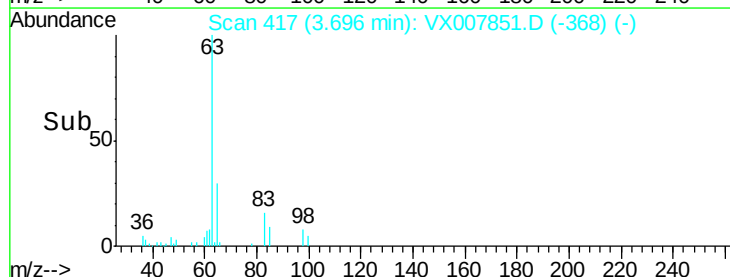
1000

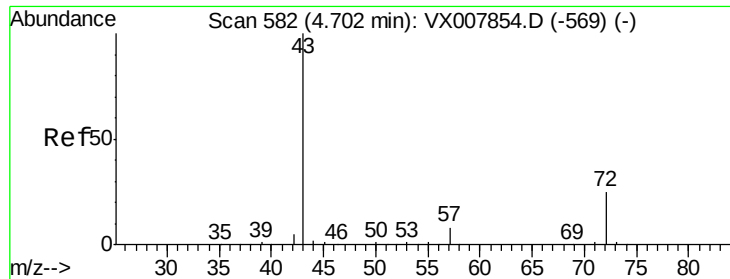
500

0

3.60 3.65 3.70 3.75 3.80

Time-->





#25

2-Butanone

Concen: 3.518 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 14131

Ion Ratio Lower Upper

43 100

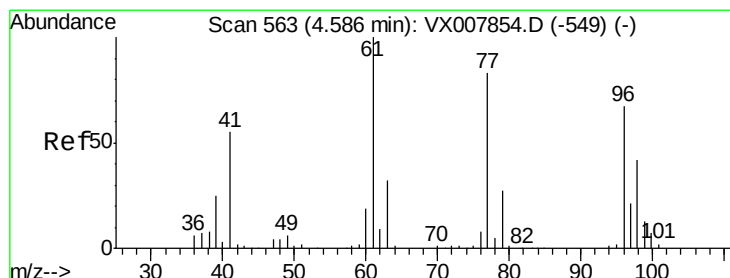
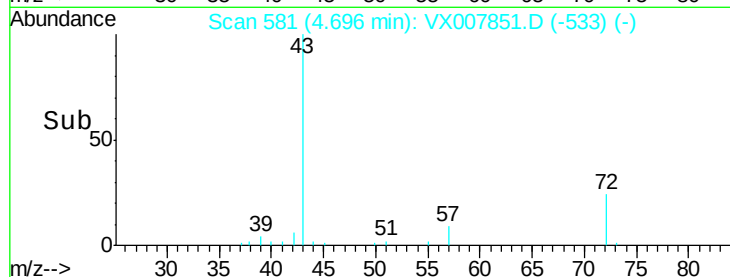
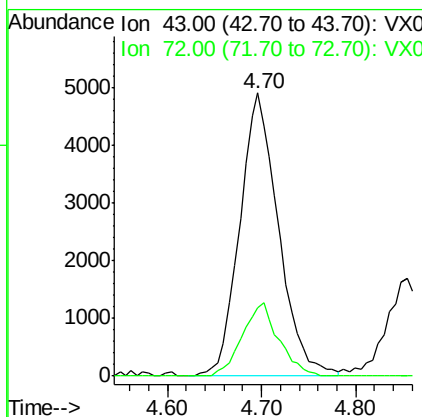
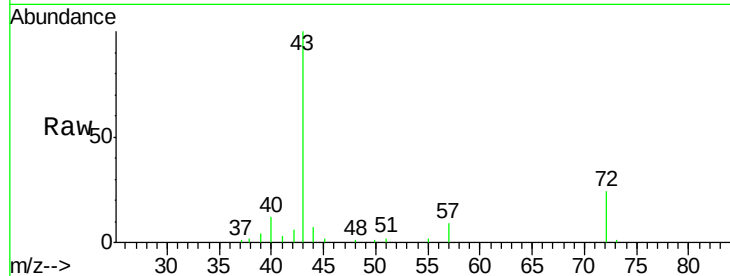
72 24.2 19.9 29.9

Manual Integrations

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MMDadoda

3/7/2019 10:34:39 AM



#26

2,2-Dichloropropane

Concen: 0.720 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007851.D

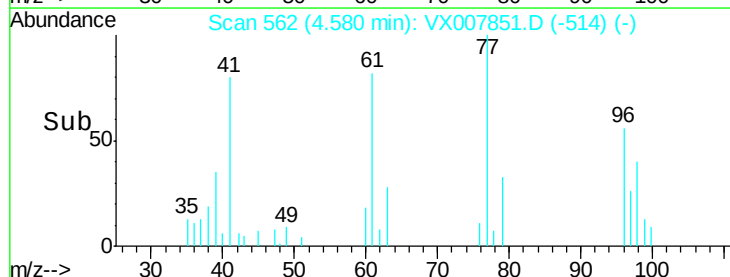
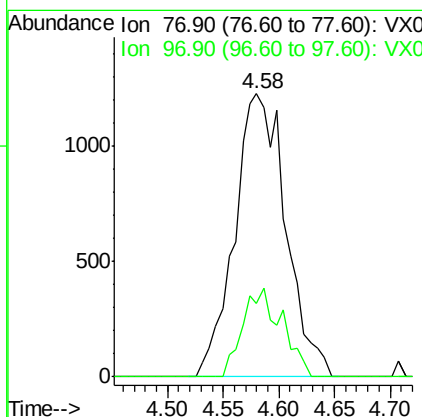
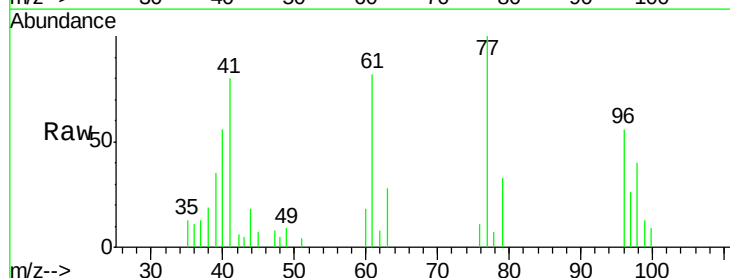
Acq: 06 Mar 2019 09:41

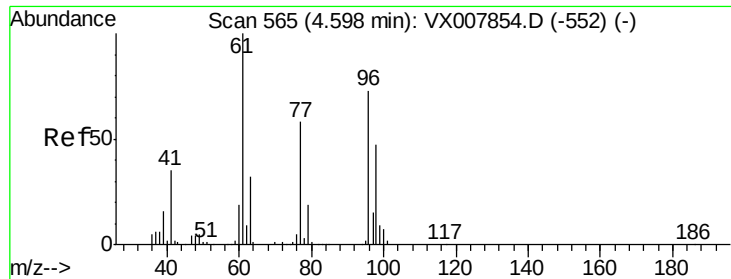
Tgt Ion: 77 Resp: 3909

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6





#27

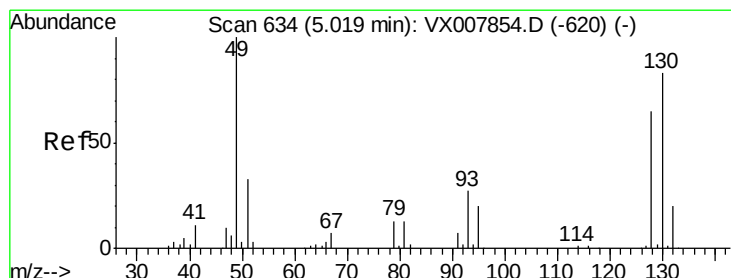
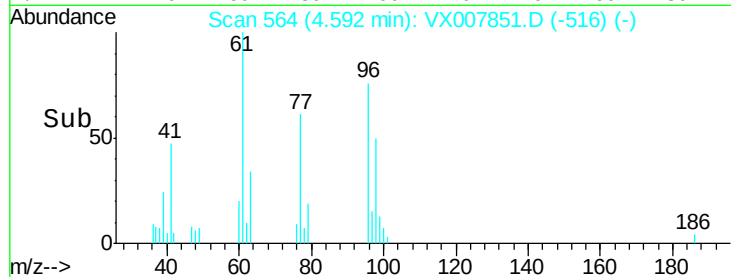
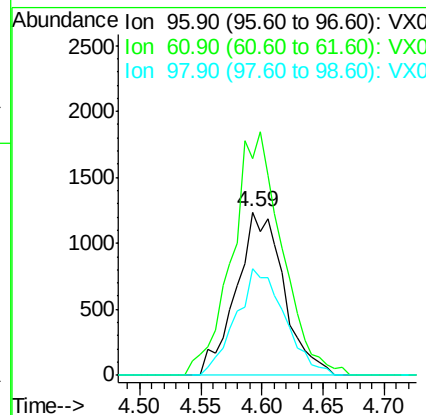
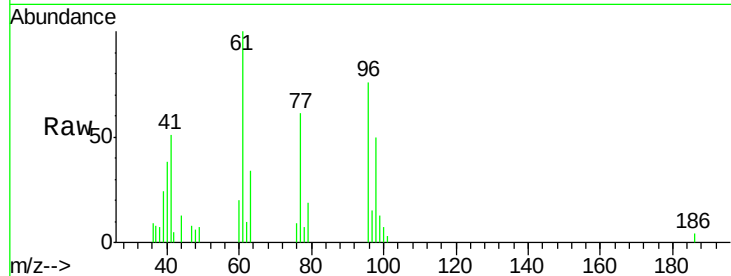
cis-1,2-Dichloroethene
Concen: 0.669 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	288.0
98	67.1	0.0	129.0

Manual Integrations
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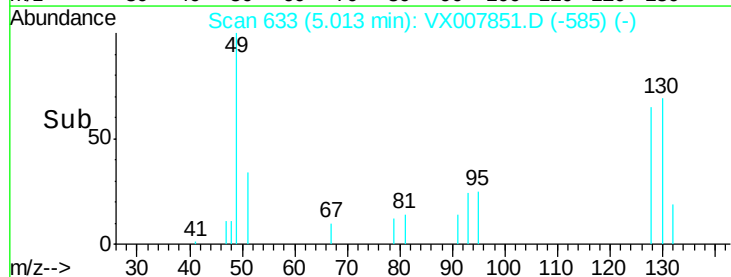
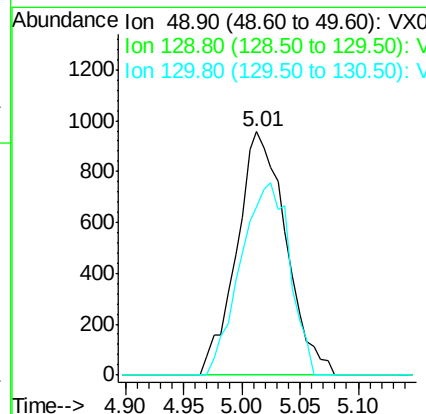
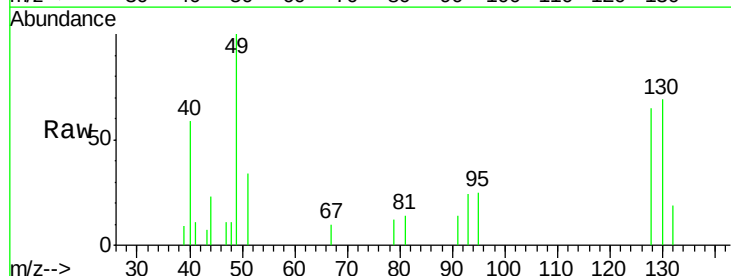
MMDadoda
3/7/2019 10:34:39 AM

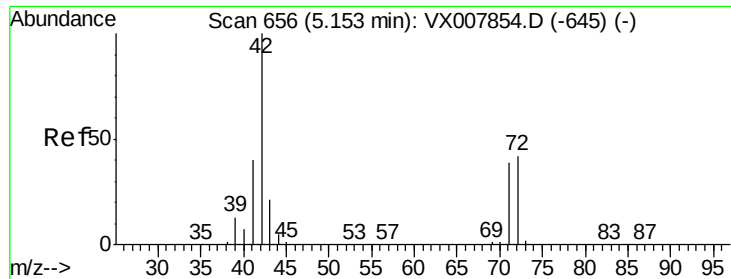


#28

Bromochloromethane
Concen: 0.735 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	78.8	65.0	97.4





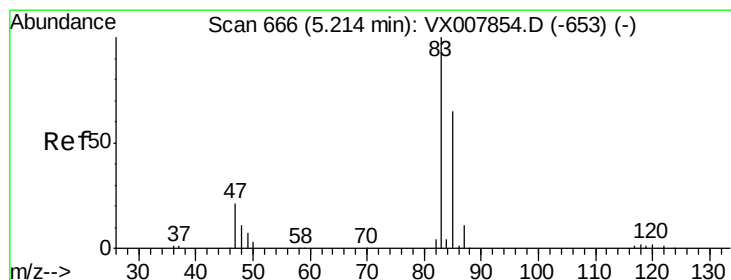
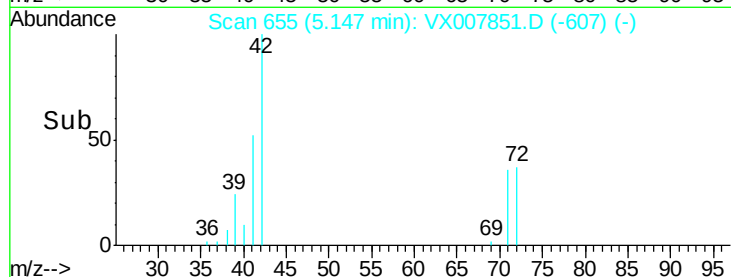
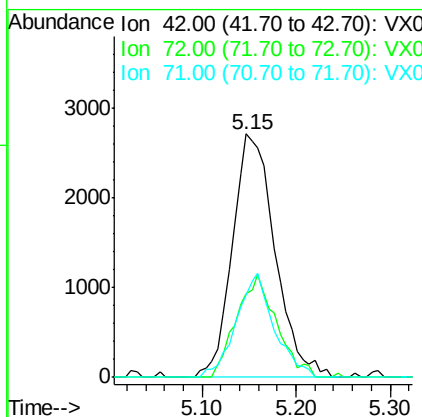
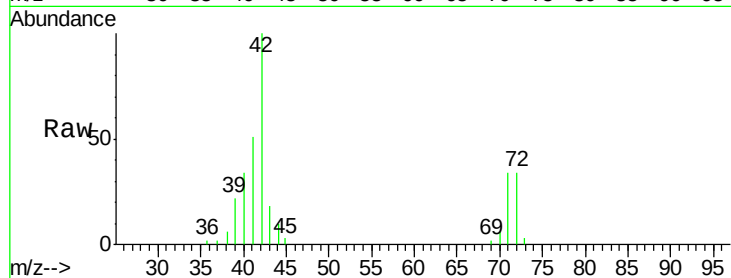
#29
Tetrahydrofuran
Concen: 3.421 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	33.8	50.6
71	38.0	31.5	47.3

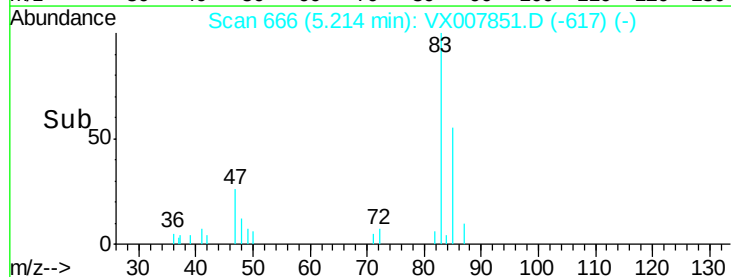
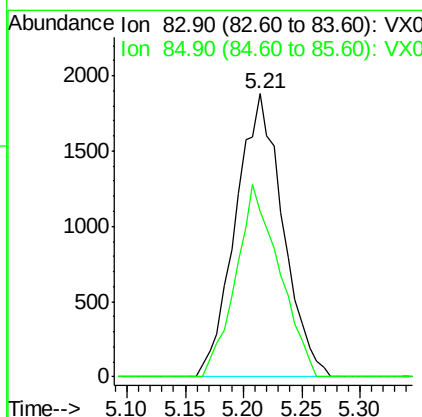
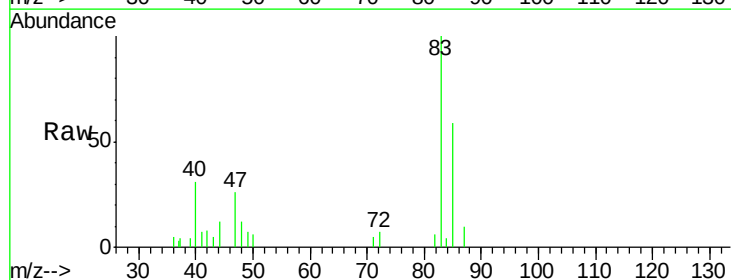
Manual Integrations
APPROVED

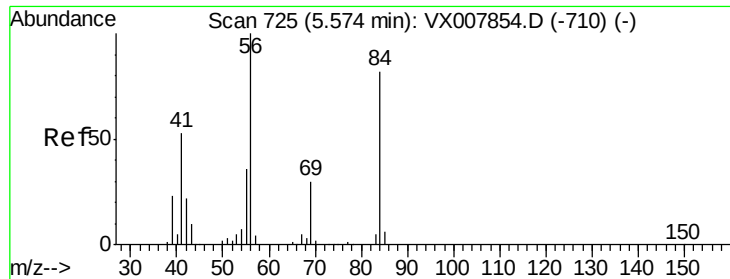
MMDadoda
3/7/2019 10:34:39 AM



#30
Chloroform
Concen: 0.685 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.8	77.6





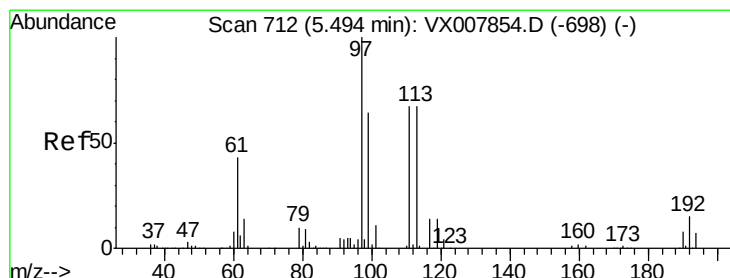
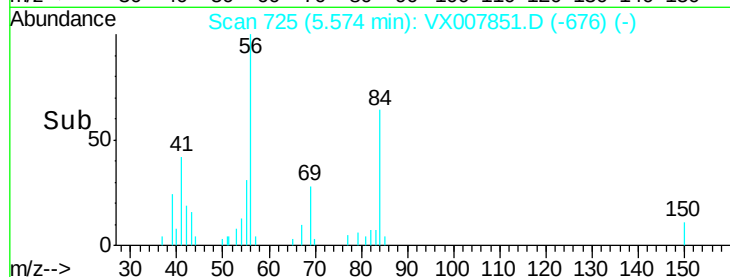
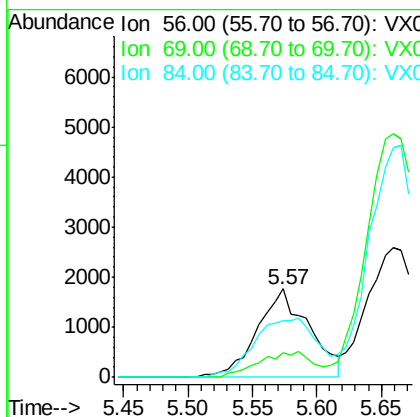
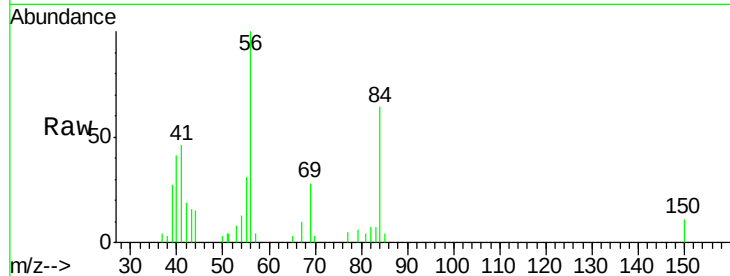
#31
Cyclohexane
Concen: 0.654 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	24.0	36.0
84	64.5	65.3	97.9#

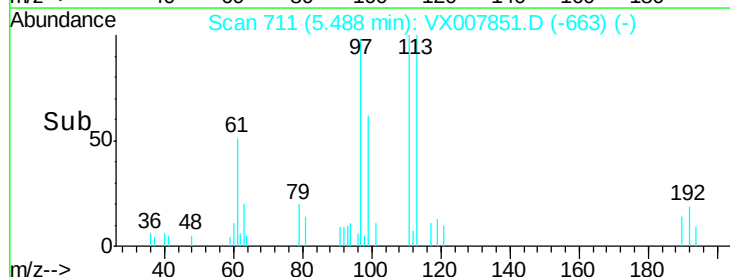
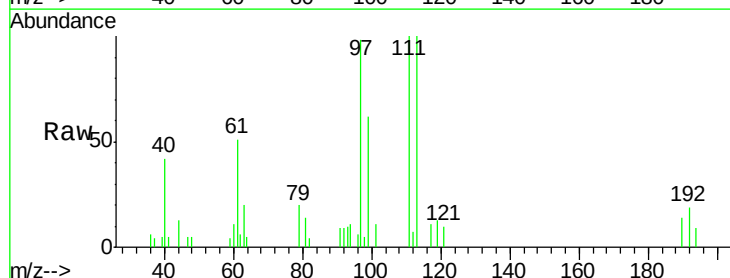
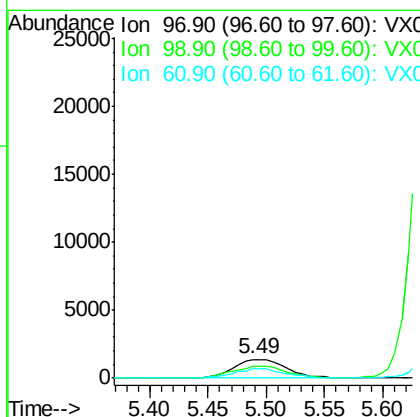
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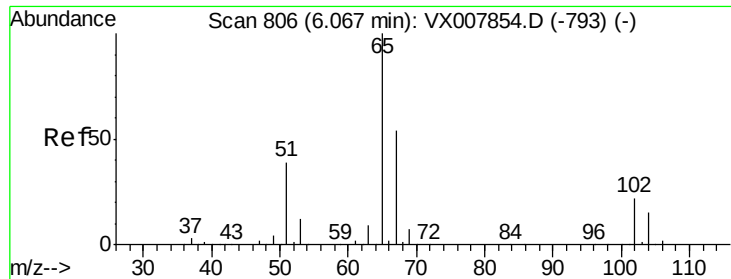
MMDadoda
3/7/2019 10:34:39 AM



#32
1,1,1-Trichloroethane
Concen: 0.662 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.2#
61	46.9	34.9	52.3





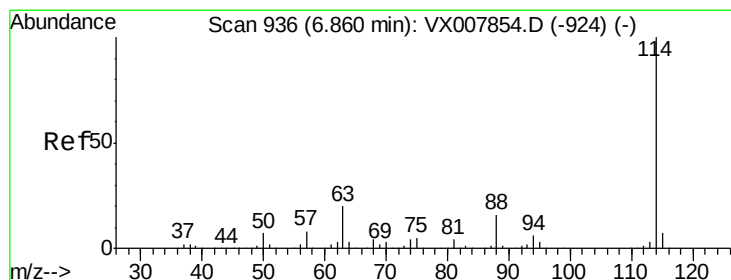
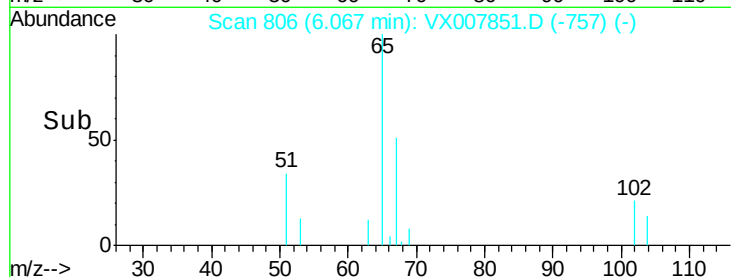
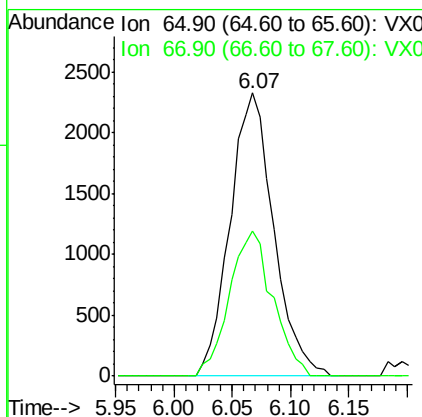
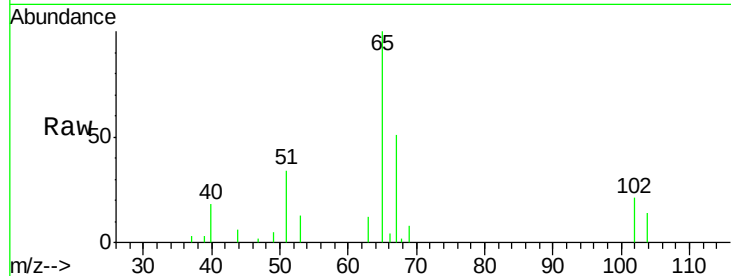
#33
 1,2-Dichloroethane-d4
 Concen: 1.234 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion: 65 Resp: 6050
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 110.0

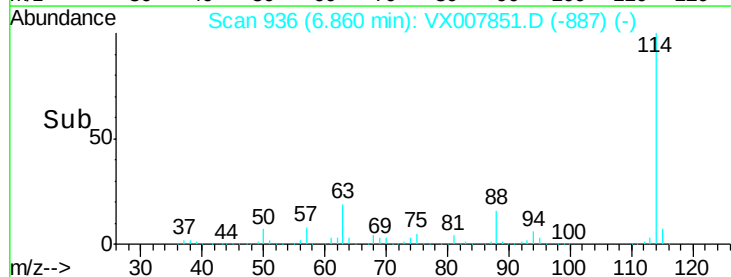
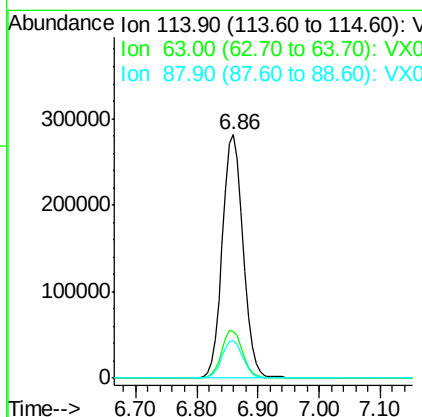
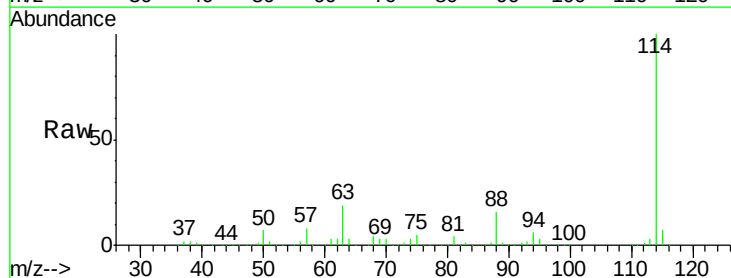
Manual Integrations
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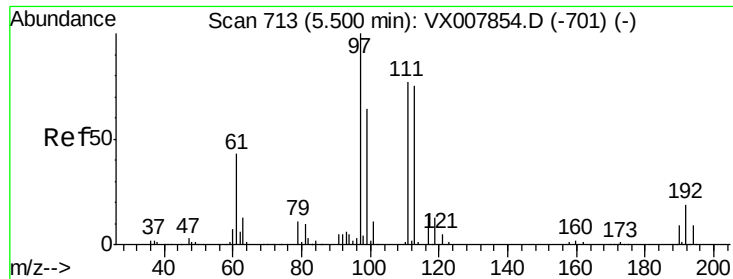
MMDadoda
 3/7/2019 10:34:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 114 Resp: 661644
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.6 0.0 31.4





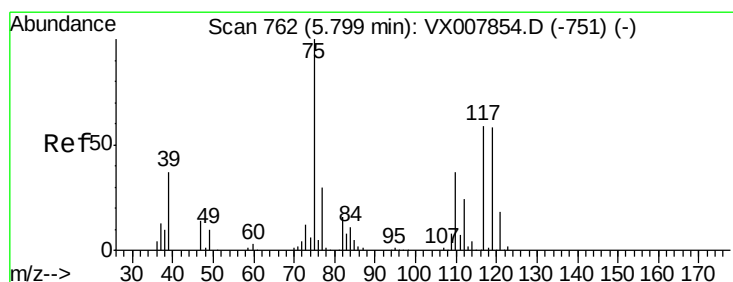
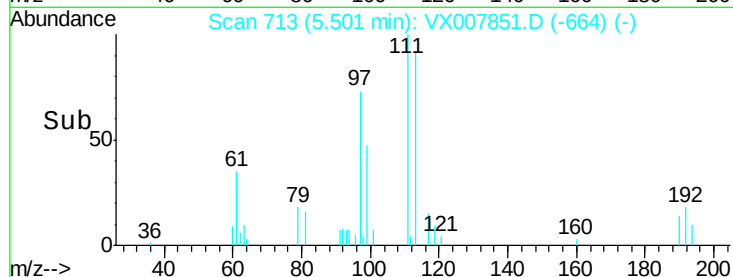
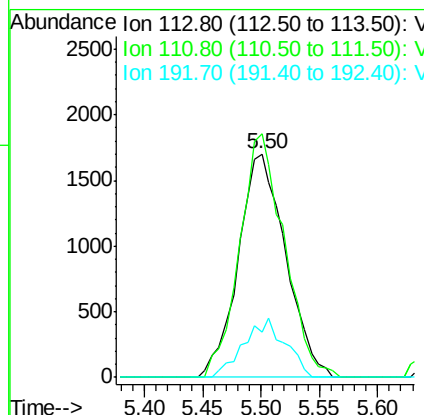
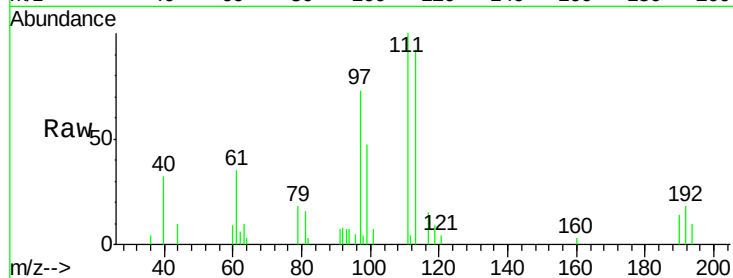
#35
Dibromofluoromethane
Concen: 1.137 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	22.8	19.4	29.0

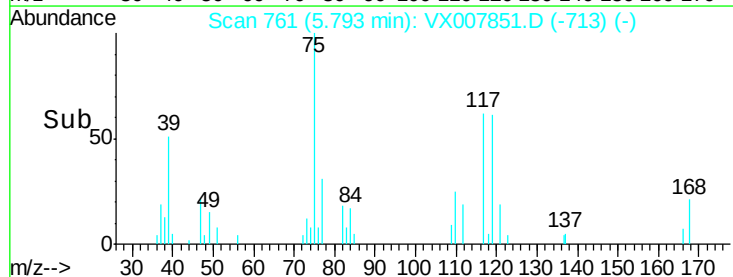
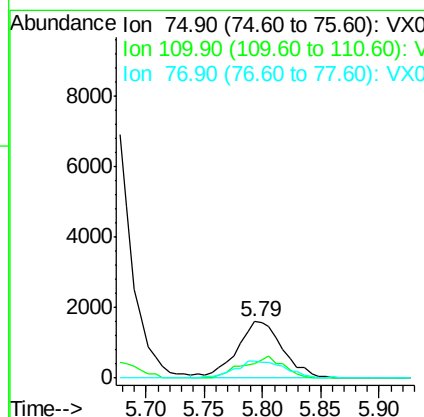
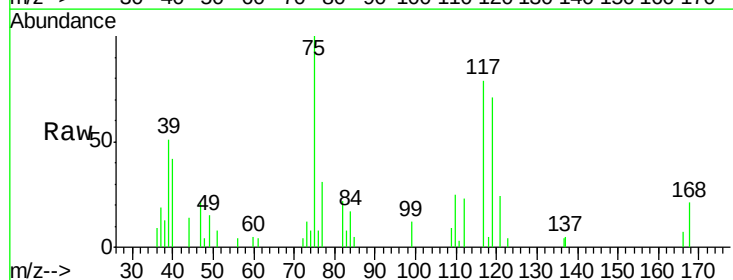
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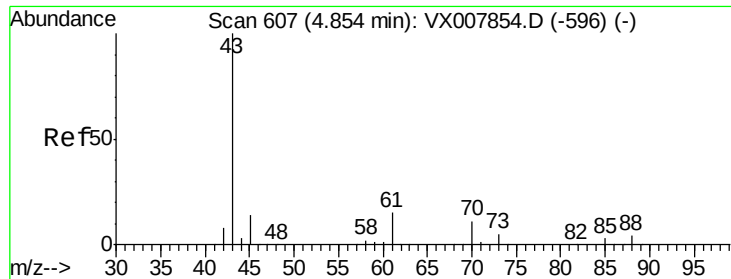
MMDadoda
3/7/2019 10:34:39 AM



#36
1,1-Dichloropropene
Concen: 0.733 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	18.4	55.0
77	32.8	25.0	37.4





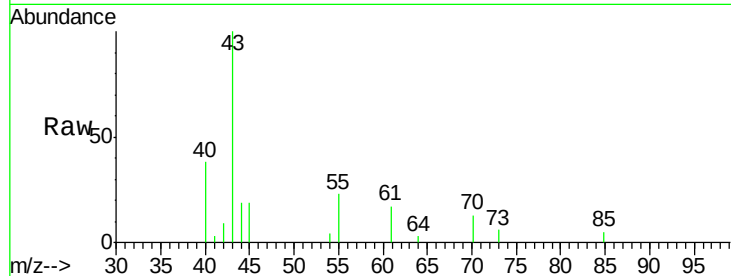
#37
Ethyl Acetate
Concen: 0.726 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

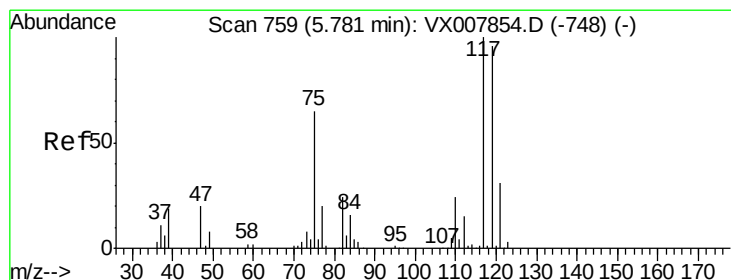
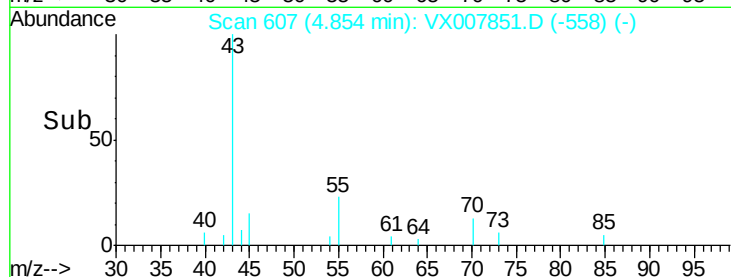
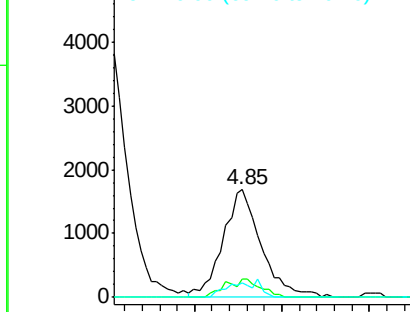
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.3	16.9
70	12.3	8.5	12.7

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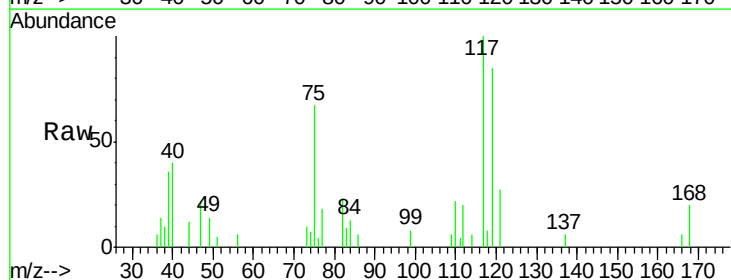


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

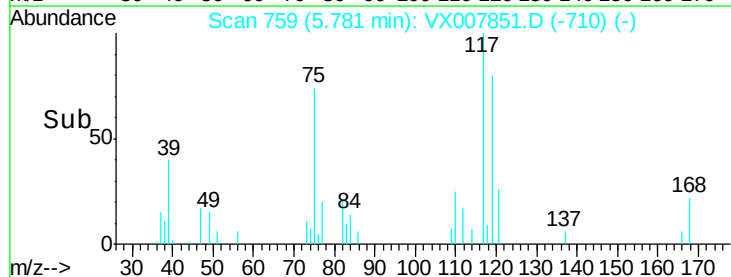
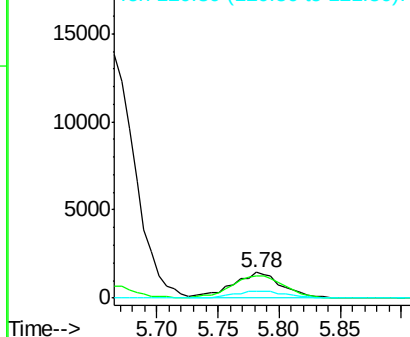


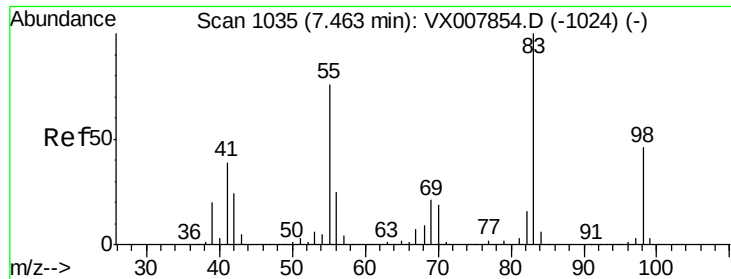
#38
Carbon Tetrachloride
Concen: 0.730 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.5	76.2	114.2
121	27.1	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





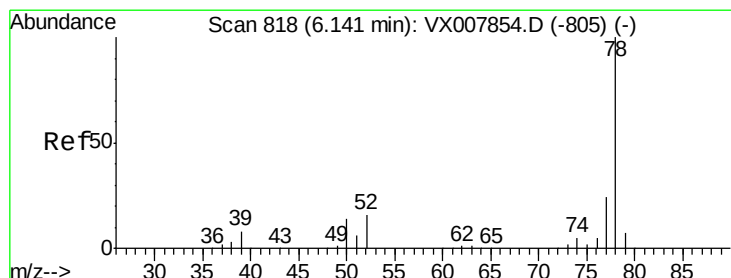
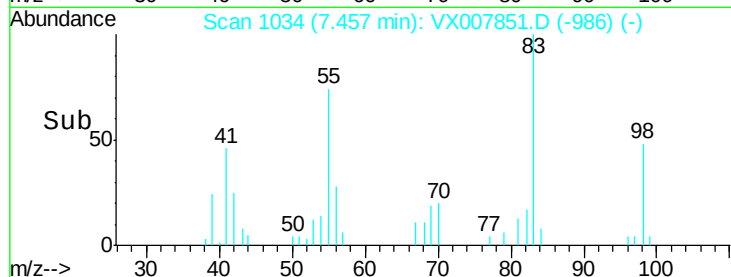
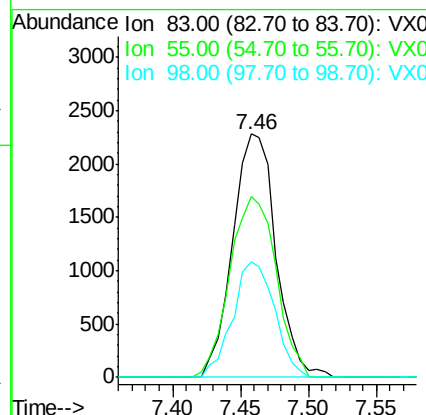
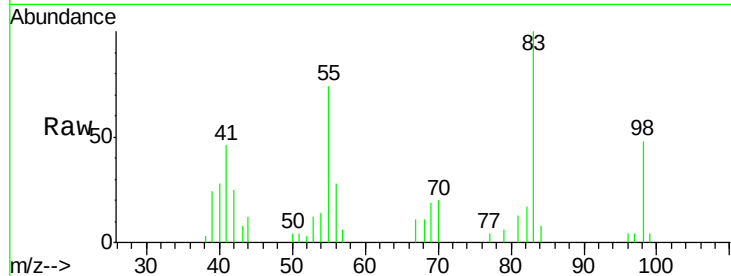
#39
Methylvlcyclohexane
Concen: 0.697 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	83.00	Resp:	5062
Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.4	90.6
98	47.5	36.5	54.7

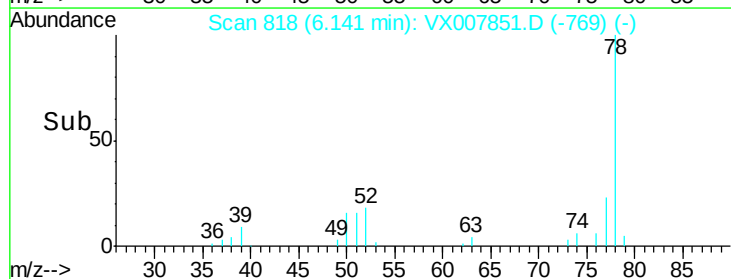
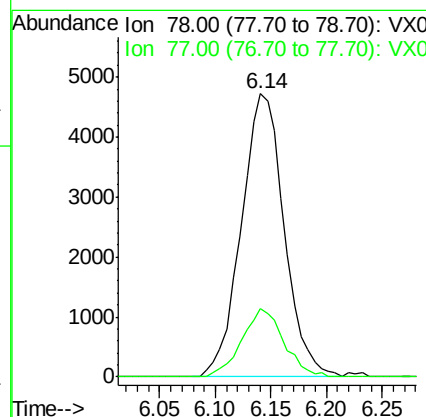
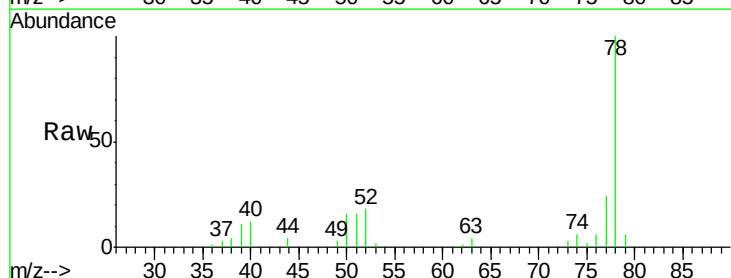
Manual Integrations
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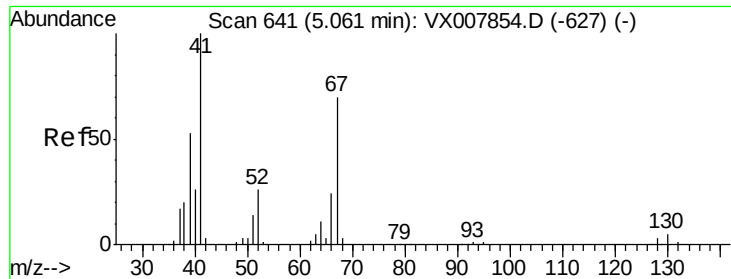
MMDadoda
3/7/2019 10:34:39 AM



#40
Benzene
Concen: 0.709 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	78.00	Resp:	12637
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





#41

Methacrylonitrile

Concen: 0.693 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

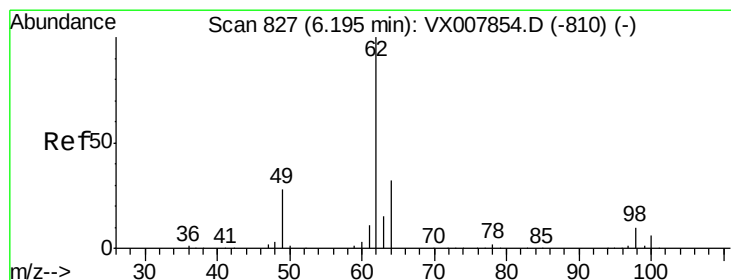
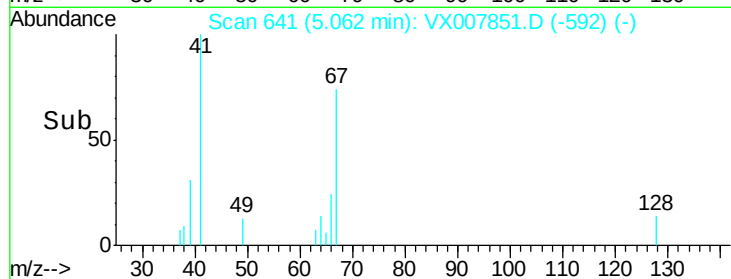
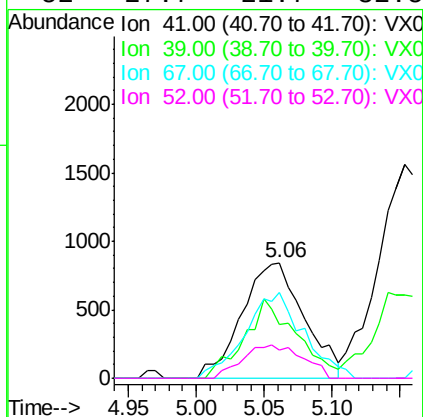
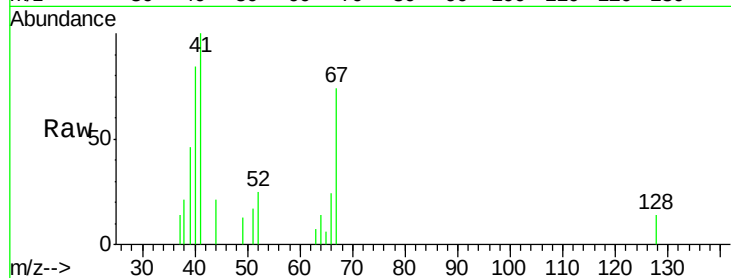
ClientSampled :

VSTDIC001

Tot Ion:	41	Resp:	2686
Ion	Ratio	Lower	Upper
41	100		
39	57.6	41.6	62.4
67	69.4	55.8	83.6
52	27.7	21.7	32.5

Manual Integrations
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3/7/2019 10:34:39 AM



#42

1,2-Dichloroethane

Concen: 0.707 ug/l

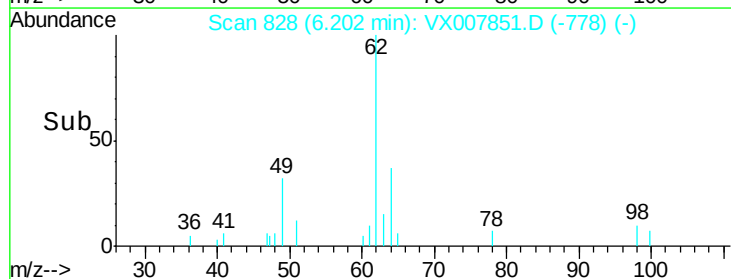
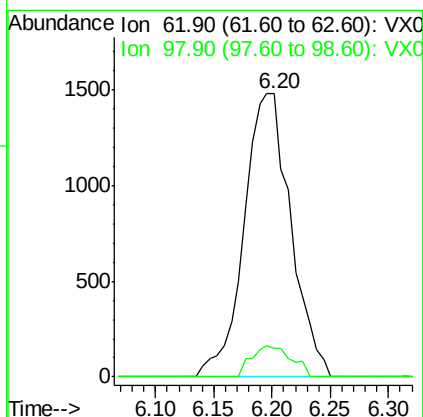
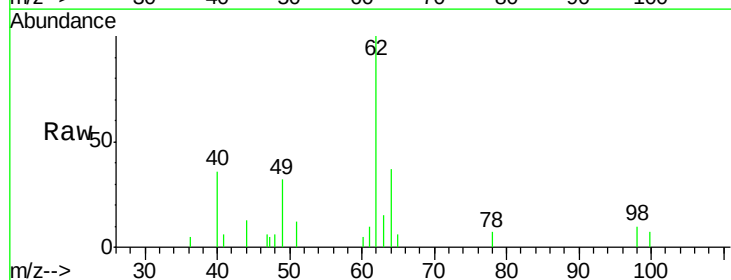
RT: 6.20 min Scan# 828

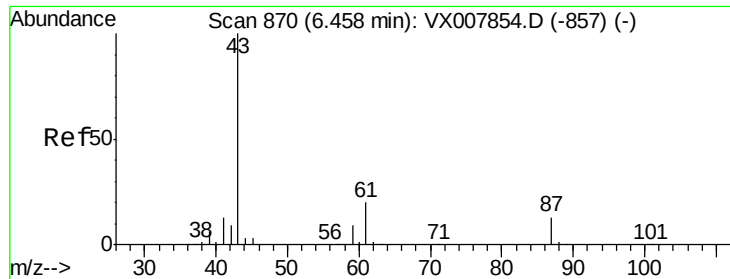
Delta R.T. 0.01 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:	62	Resp:	4122
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.4





#43

Isopropyl Acetate

Concen: 0.685 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

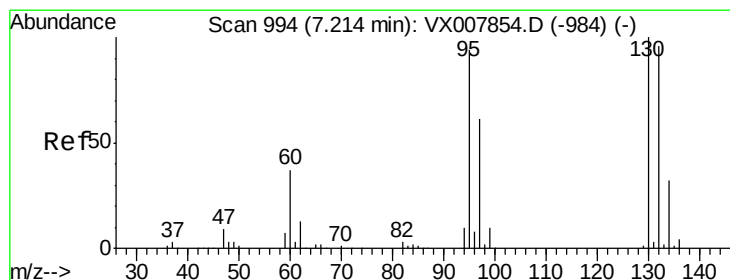
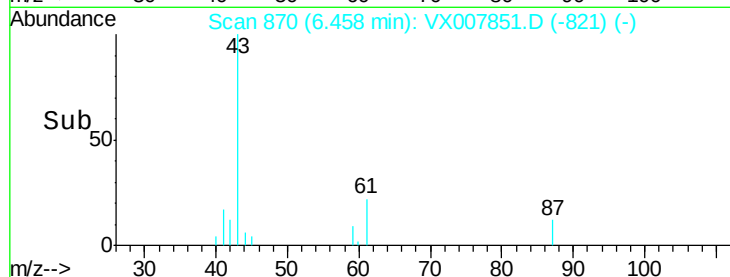
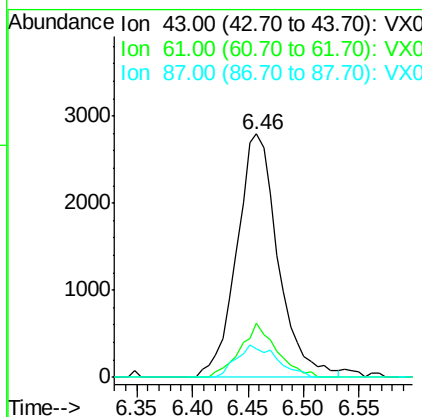
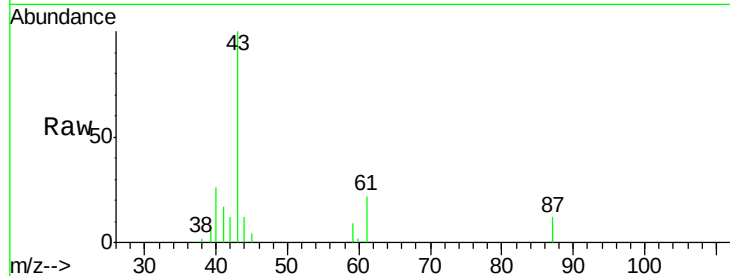
ClientSampled :

VSTDIC001

Tot Ion:	43	Resp:	7212
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.3	24.5
87	12.9	10.5	15.7

Manual Integrations
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MMDadoda
3/7/2019 10:34:39 AM



#44

Trichloroethene

Concen: 0.722 ug/l

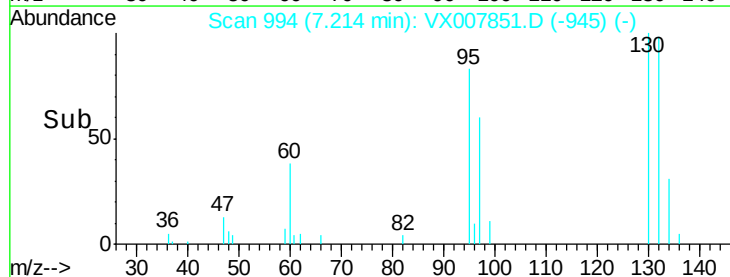
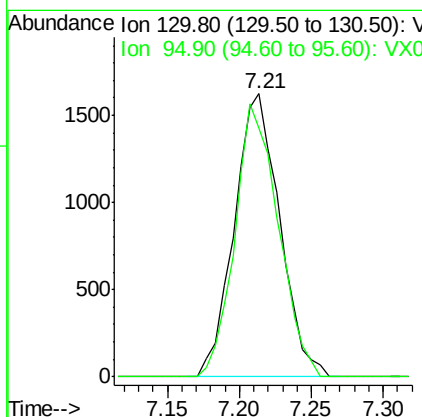
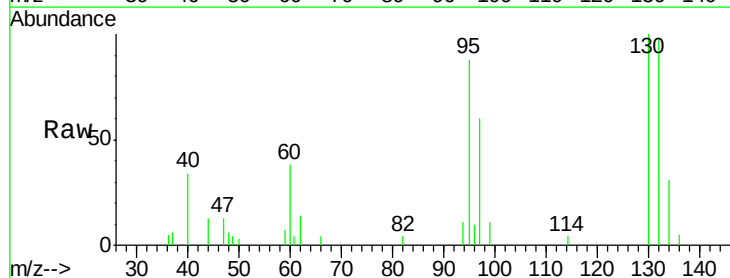
RT: 7.21 min Scan# 994

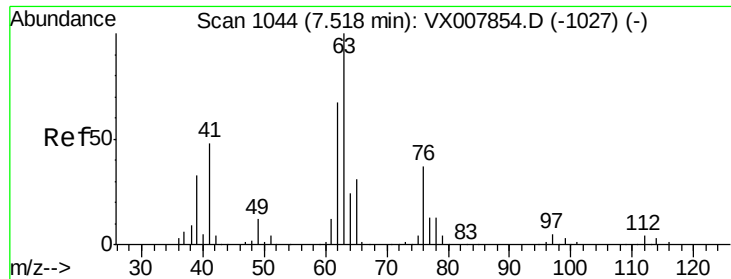
Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:	130	Resp:	3549
Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	188.0





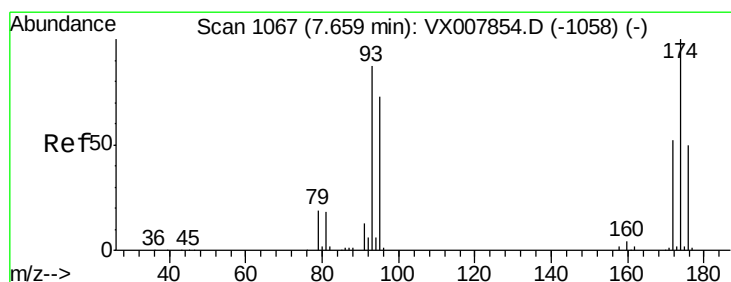
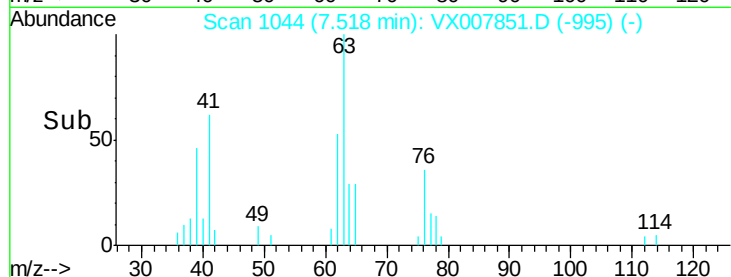
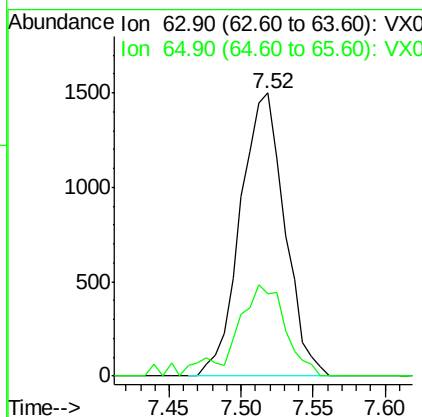
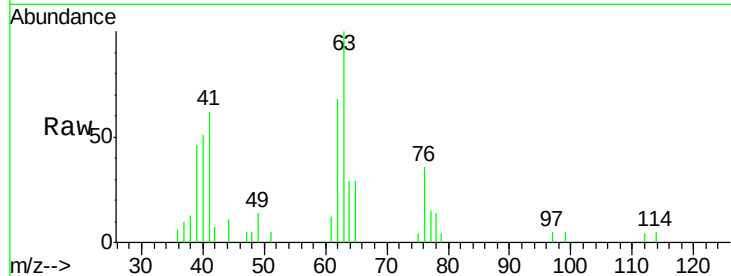
#45
 1,2-Dichloropropane
 Concen: 0.680 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion: 63 Resp: 3201
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.7 37.1

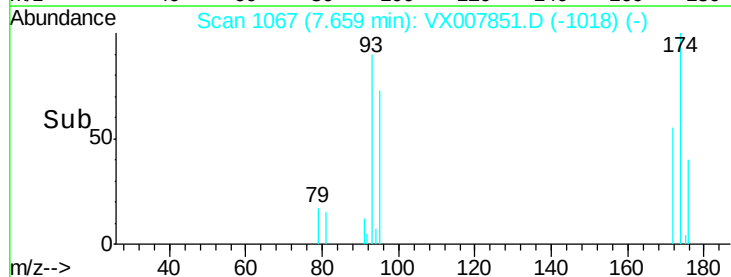
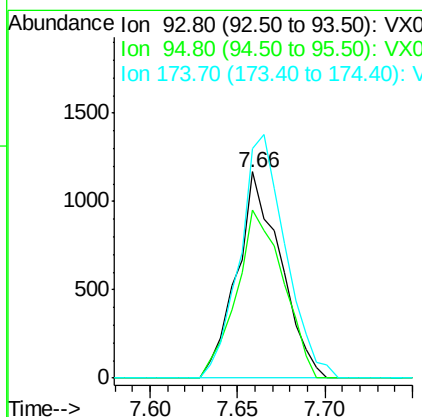
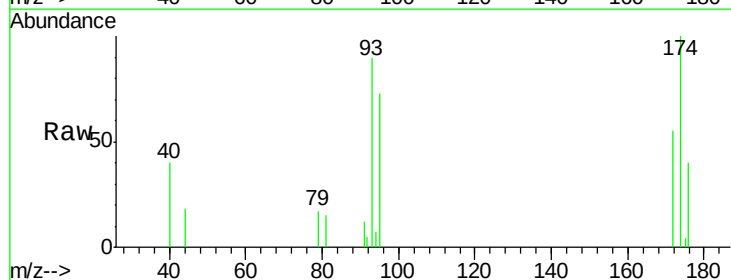
Manual Integrations
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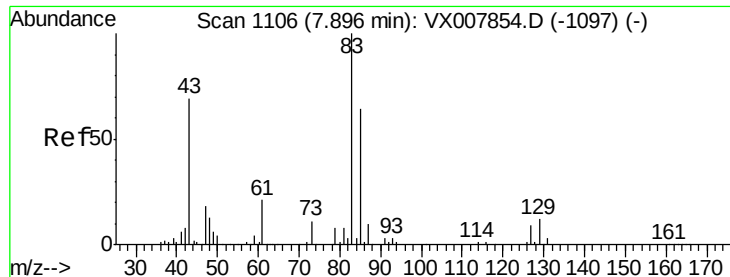
MMDadoda
 3/7/2019 10:34:39 AM



#46
 Dibromomethane
 Concen: 0.681 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 93 Resp: 2029
 Ion Ratio Lower Upper
 93 100
 95 86.9 66.8 100.2
 174 123.5 97.3 145.9





#47

Bromodichloromethane

Concen: 0.668 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

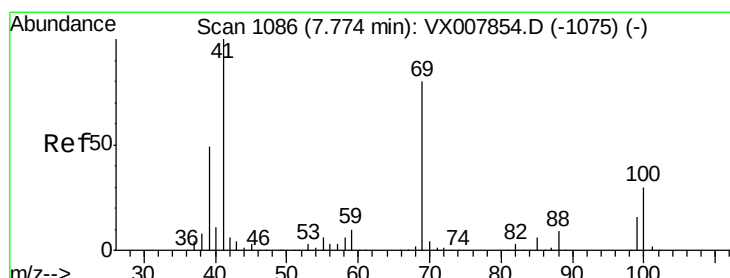
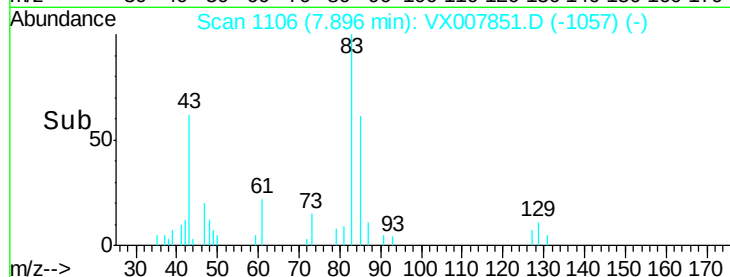
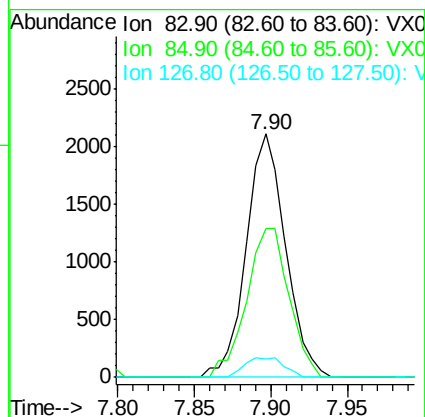
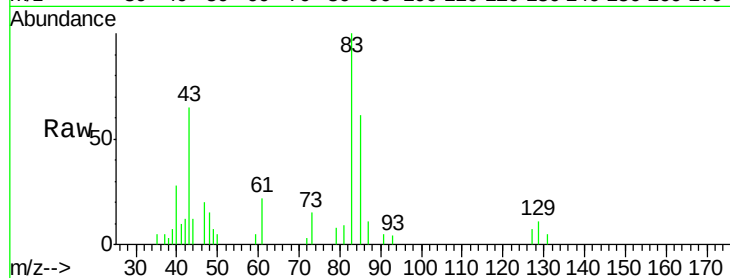
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	3778
Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.9	76.3
127	7.3	7.4	11.0#

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:39 AM



#48

Methyl methacrylate

Concen: 0.666 ug/l

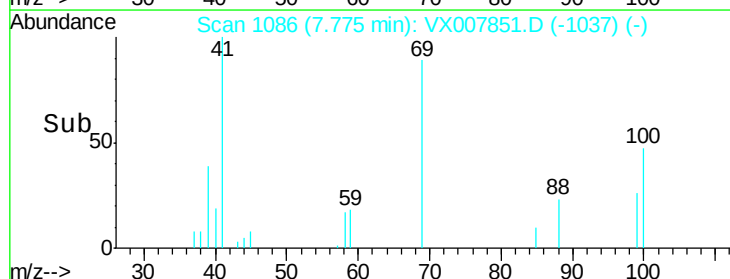
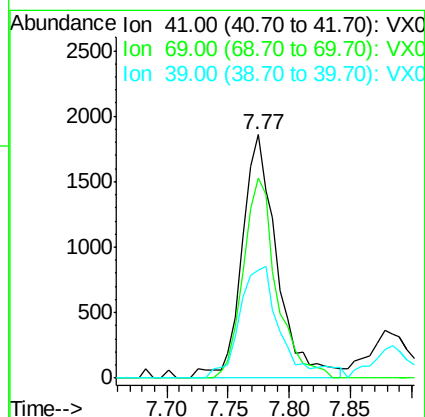
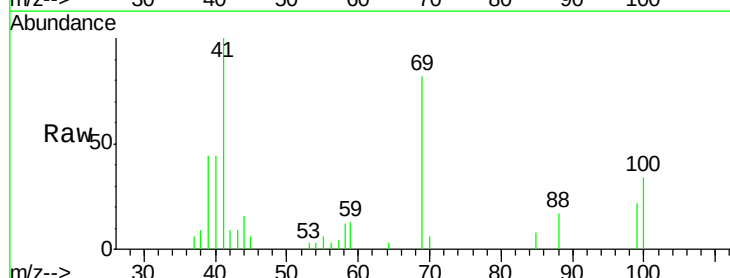
RT: 7.77 min Scan# 1086

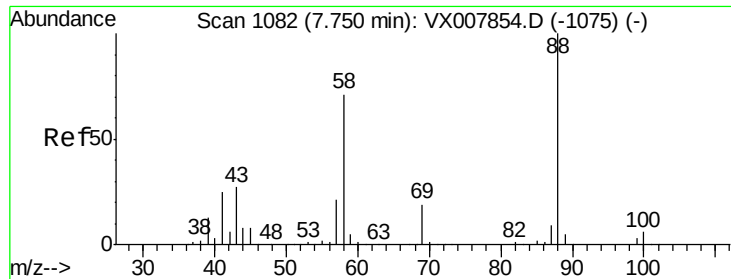
Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:	41	Resp:	3683
Ion	Ratio	Lower	Upper
41	100		
69	78.0	65.2	97.8
39	50.8	39.4	59.2





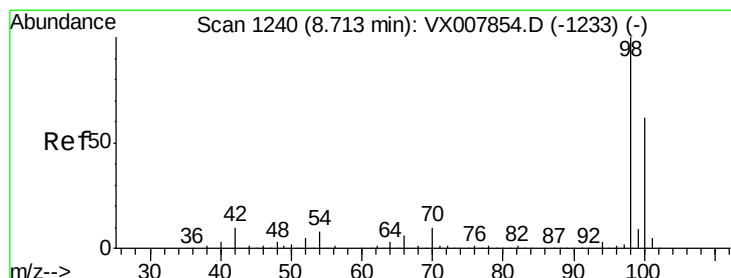
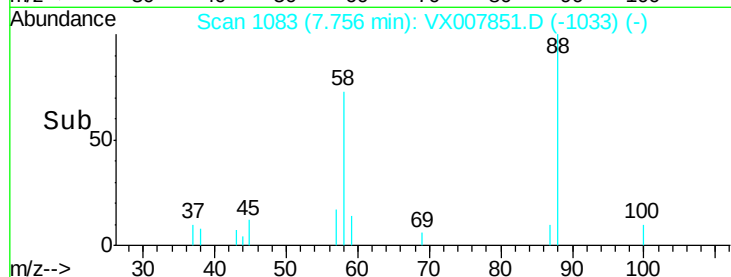
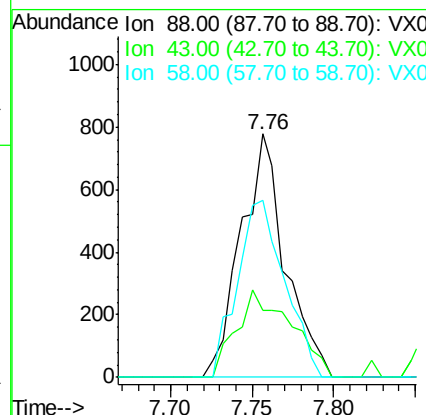
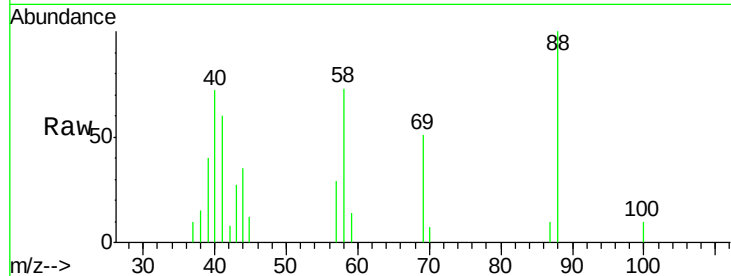
#49
1,4-Dioxane
Concen: 13.033 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.1	25.1	37.7#
58	77.3	57.8	86.6

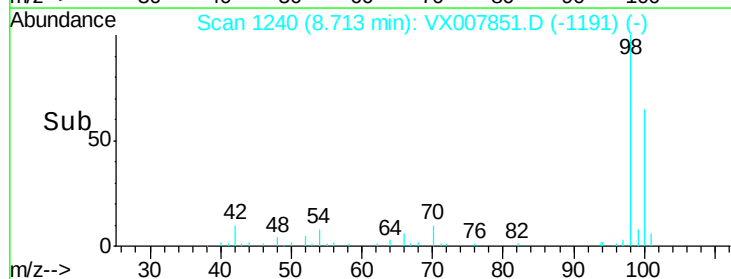
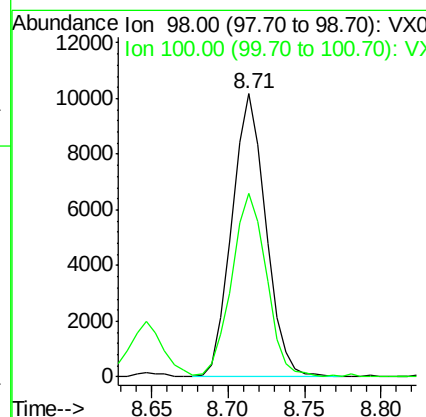
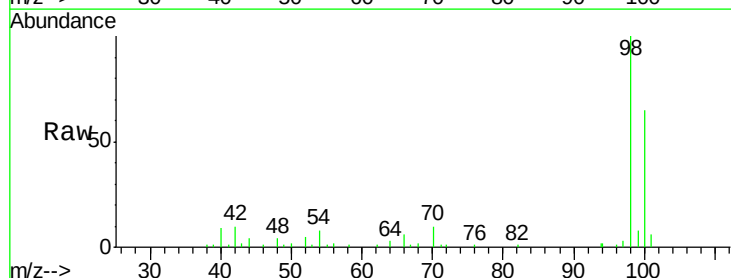
Manual Integrations
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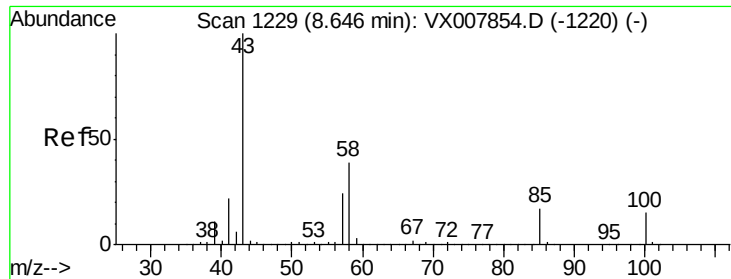
MMDadoda
3/7/2019 10:34:39 AM



#50
Toluene-d8
Concen: 1.010 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 3.234 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 21880

Ion Ratio Lower Upper

43 100

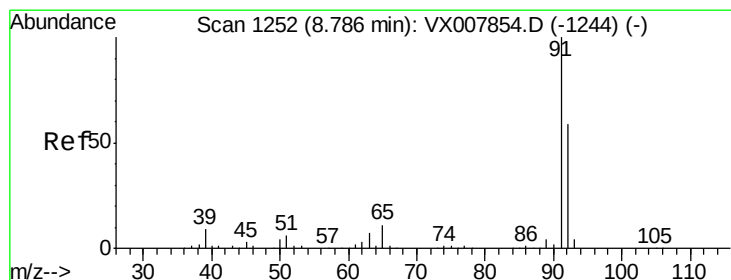
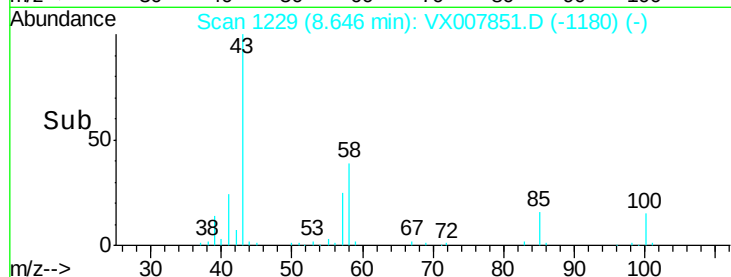
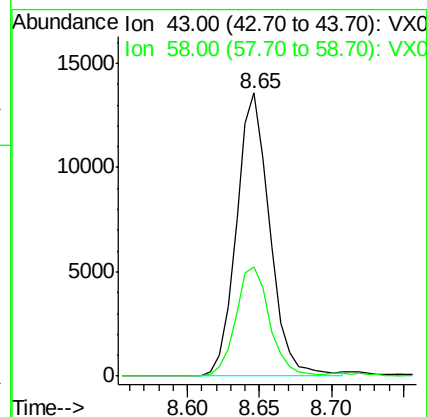
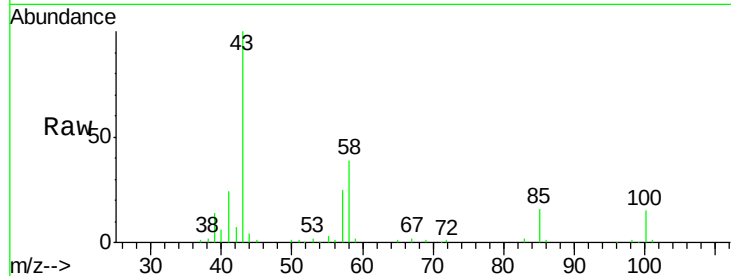
58 39.5 31.3 46.9

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 0.684 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007851.D

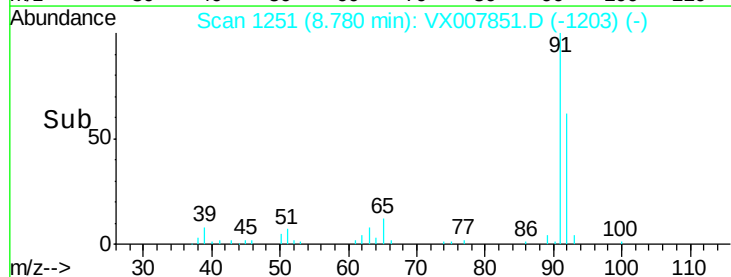
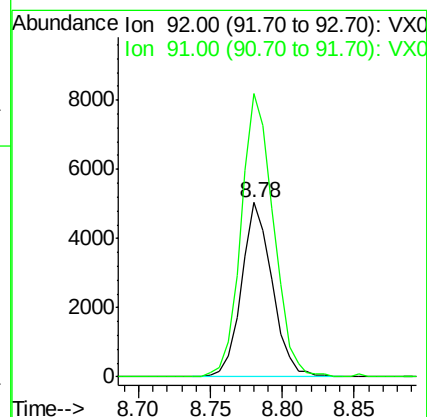
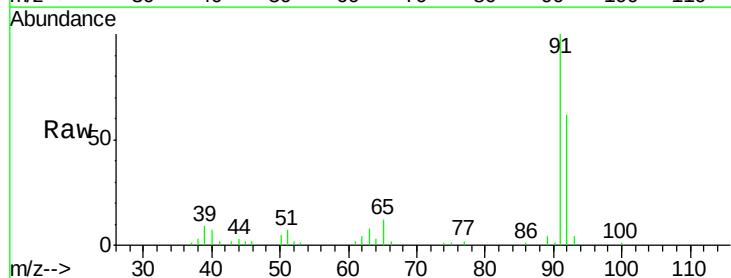
Acq: 06 Mar 2019 09:41

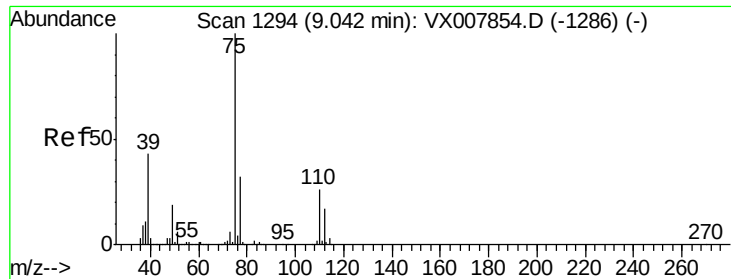
Tgt Ion: 92 Resp: 7450

Ion Ratio Lower Upper

92 100

91 171.2 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 0.569 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 3358

Ion Ratio Lower Upper

75 100

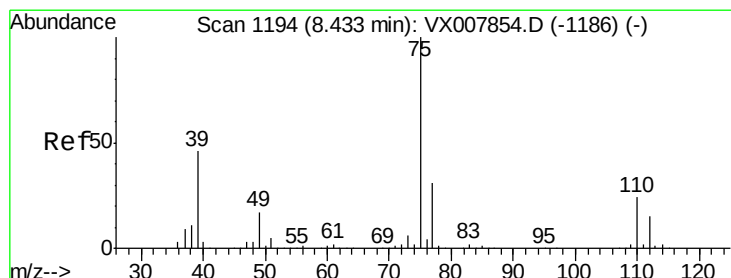
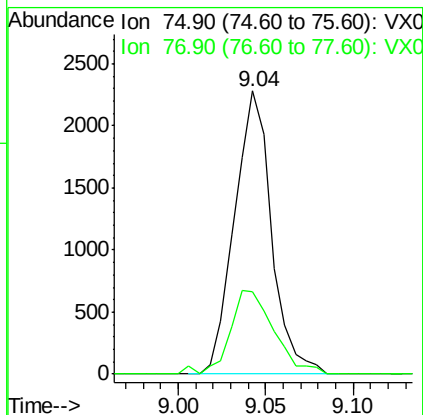
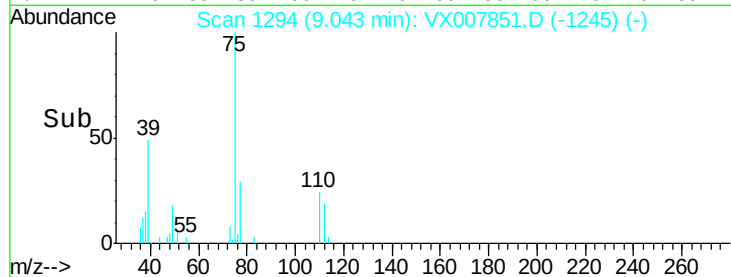
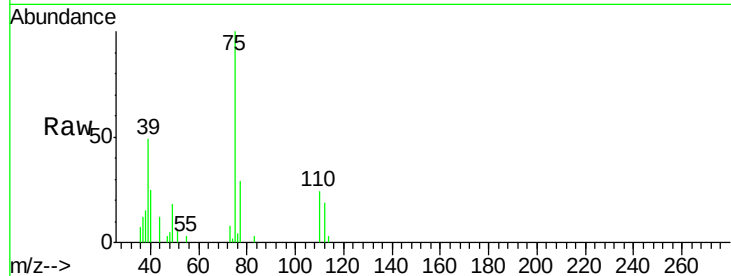
77 29.3 25.4 38.0

Manual Integrations

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3/7/2019 10:34:39 AM



#54

cis-1,3-Dichloropropene

Concen: 0.634 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

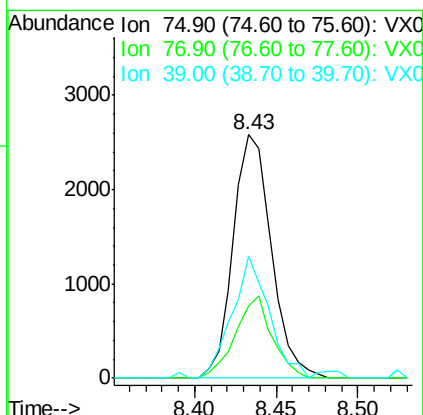
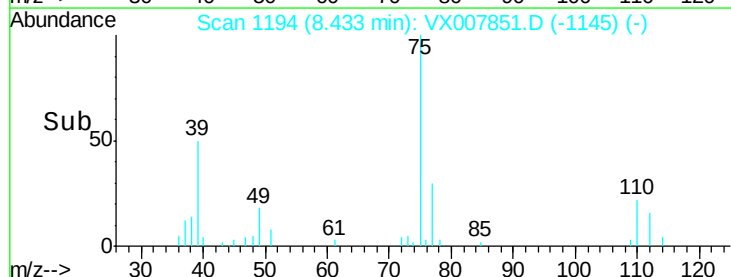
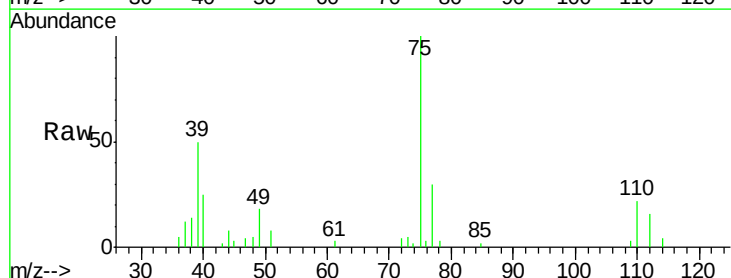
Tgt Ion: 75 Resp: 4225

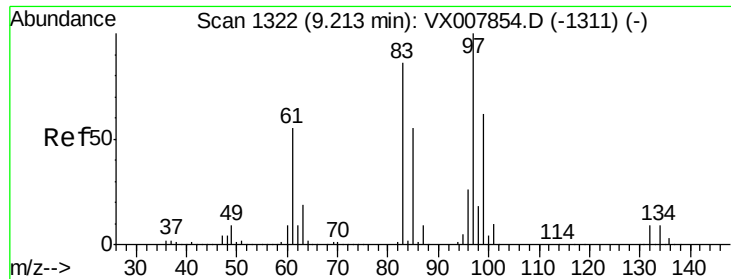
Ion Ratio Lower Upper

75 100

77 29.8 25.0 37.6

39 49.9 36.6 54.8





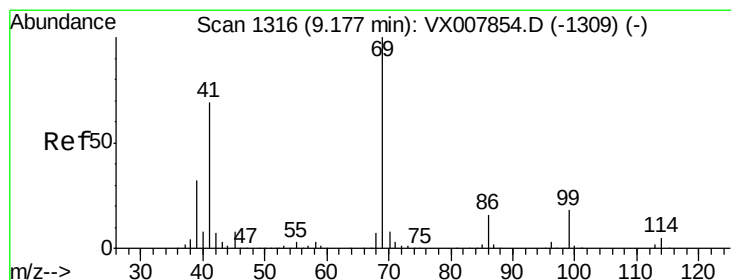
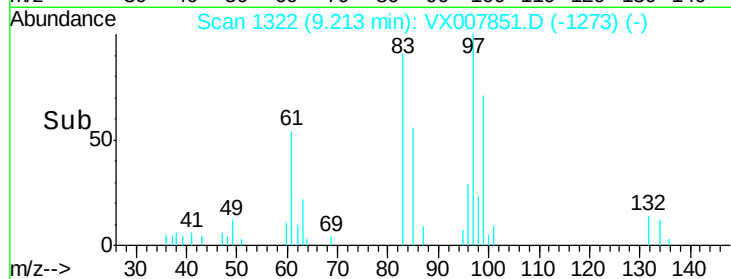
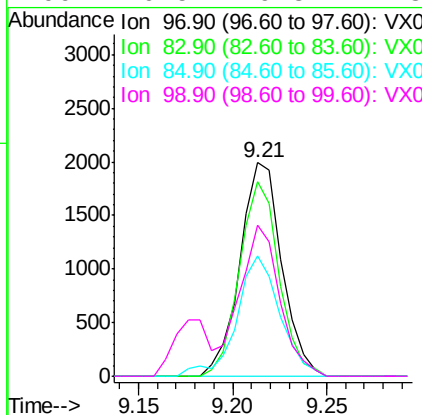
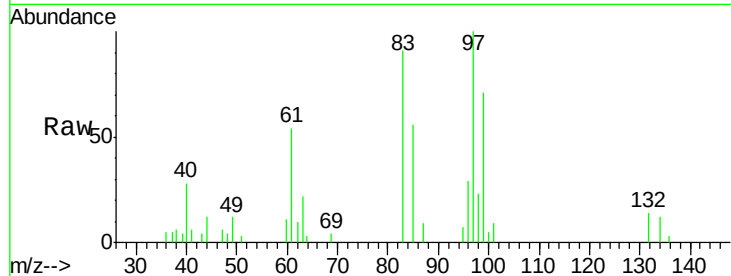
#55
 1,1,2-Trichloroethane
 Concen: 0.696 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	3068
Ion	Ratio	Lower	Upper
97	100		
83	91.1	69.1	103.7
85	56.2	44.3	66.5
99	70.5	49.8	74.8

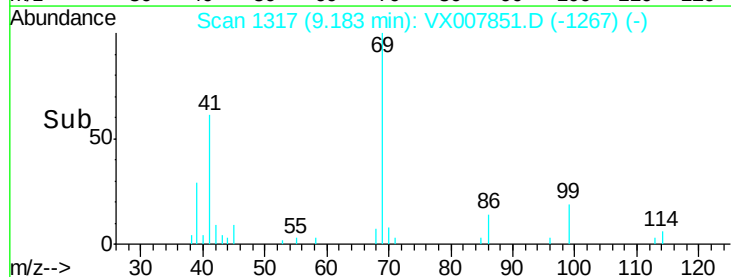
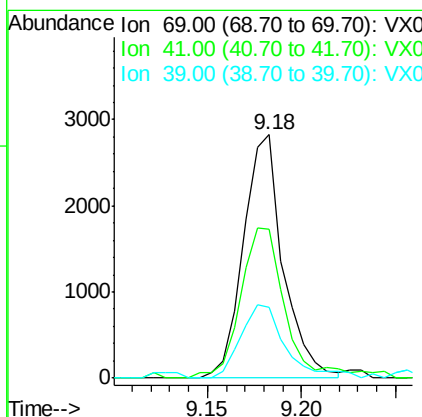
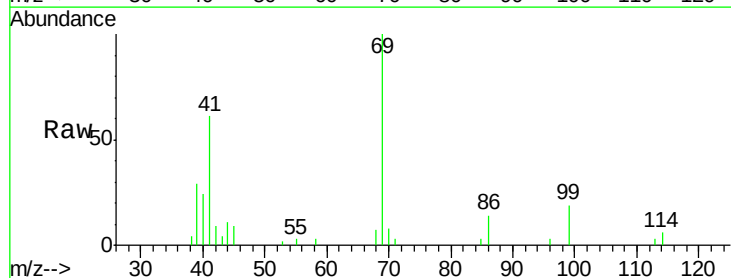
Manual Integrations
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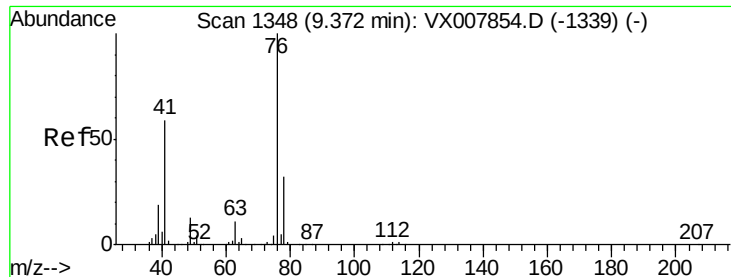
MMDadoda
 3/7/2019 10:34:39 AM



#56
 Ethyl methacrylate
 Concen: 0.623 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion:	69	Resp:	4125
Ion	Ratio	Lower	Upper
69	100		
41	70.4	54.2	81.4
39	34.0	25.0	37.4





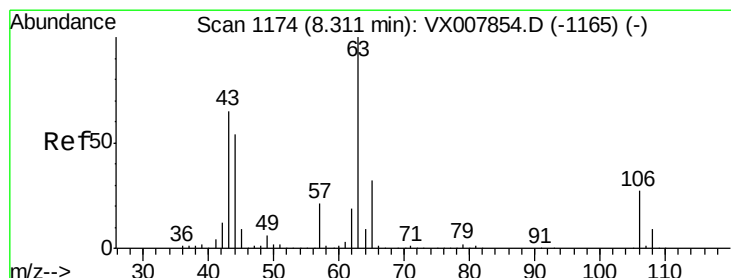
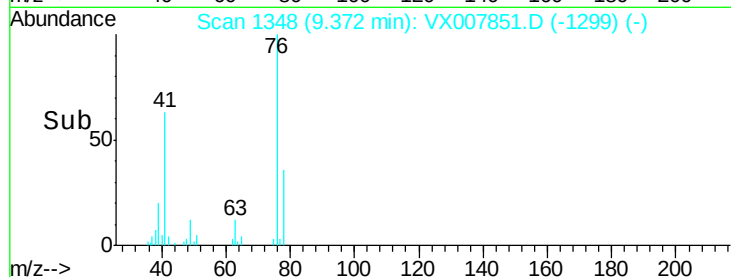
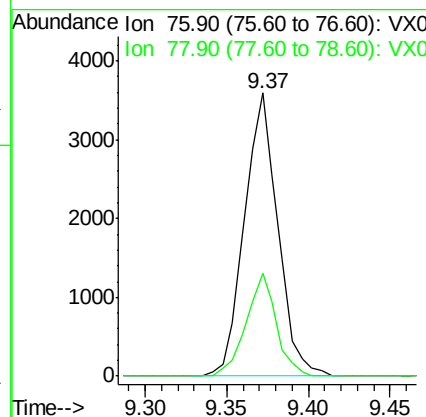
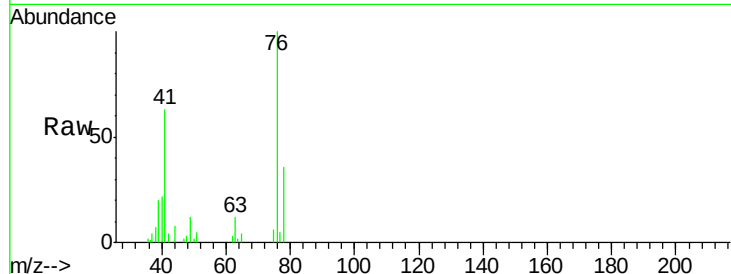
#57
 1,3-Dichloropropane
 Concen: 0.695 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 76 Resp: 5141
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3

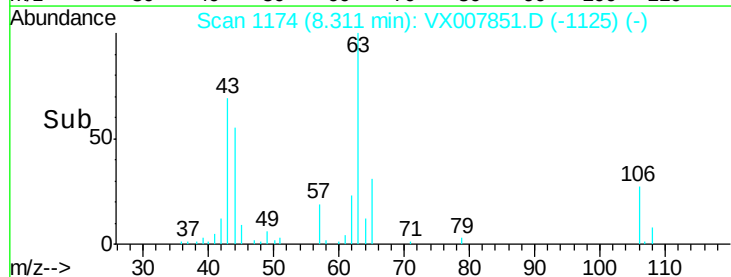
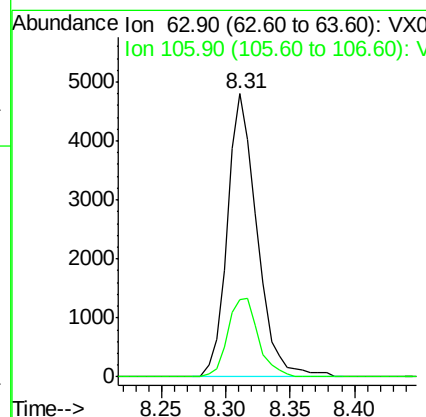
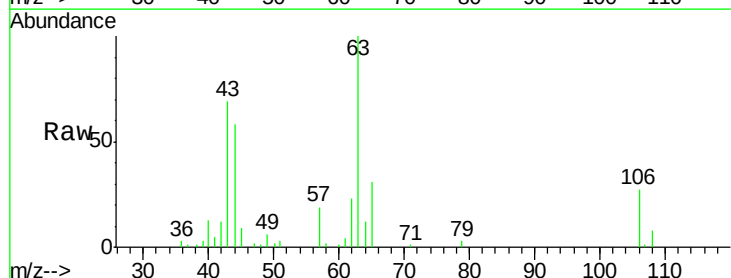
Manual Integrations
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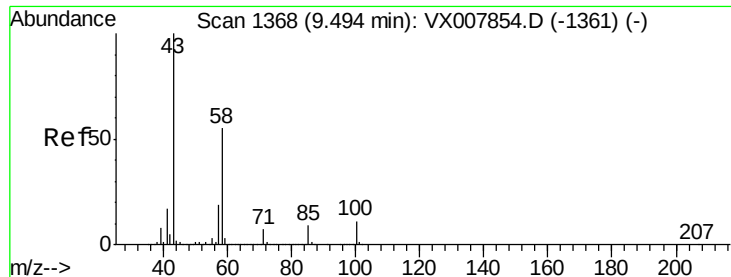
MMDadoda
 3/7/2019 10:34:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.275 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion: 63 Resp: 7787
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.2 33.2





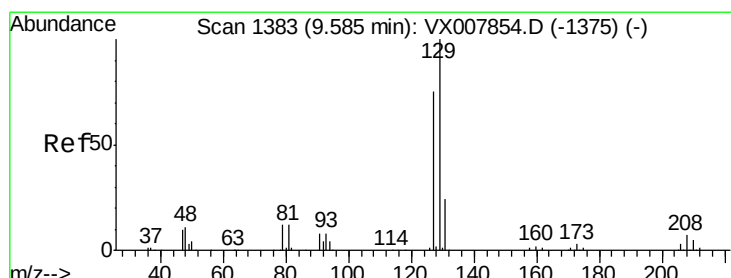
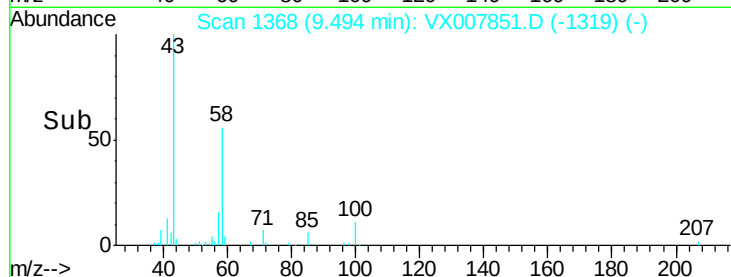
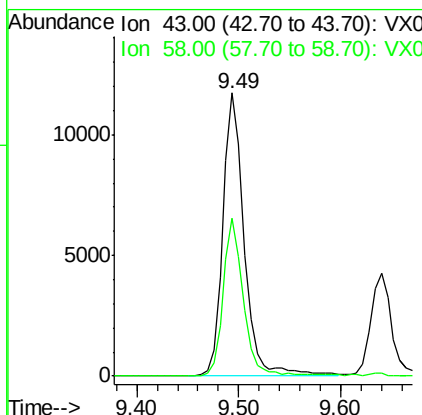
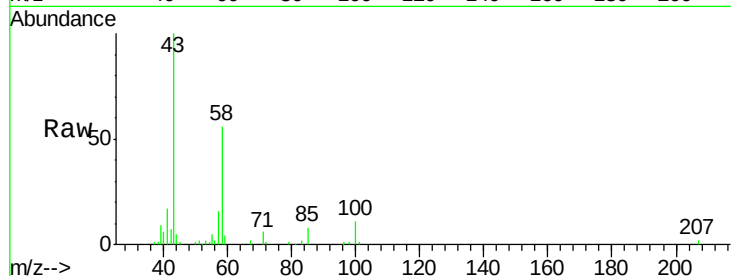
#59
2-Hexanone
Concen: 3.264 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 17145
Ion Ratio Lower Upper
43 100
58 52.9 27.6 82.7

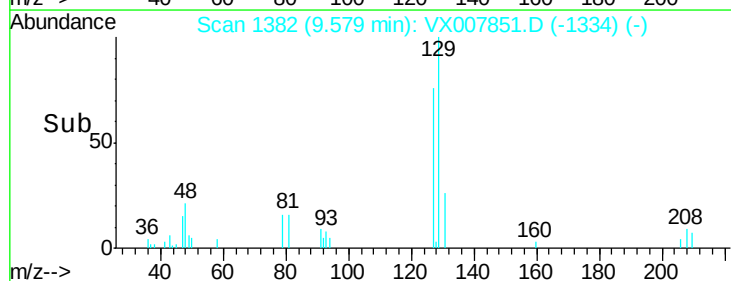
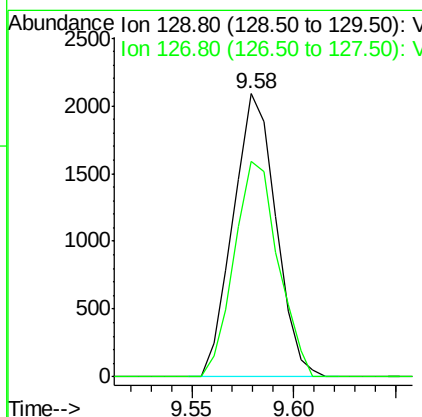
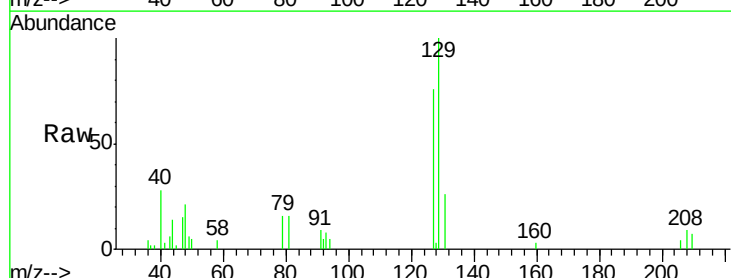
Manual Integrations
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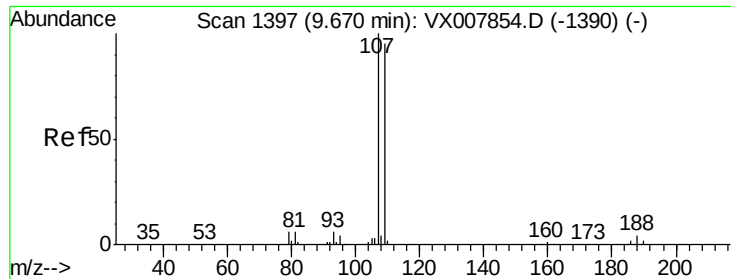
MMDadoda
3/7/2019 10:34:39 AM



#60
Dibromochloromethane
Concen: 0.659 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion: 129 Resp: 3038
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 0.642 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 107 Resp: 3006

Ion Ratio Lower Upper

107 100

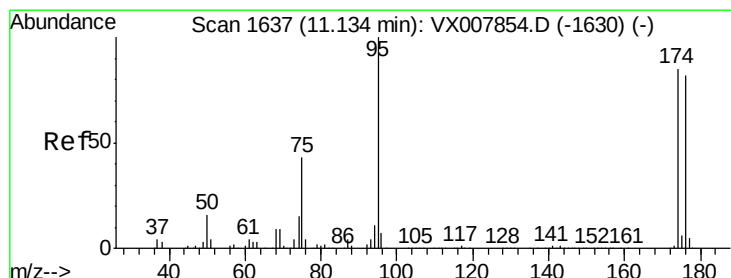
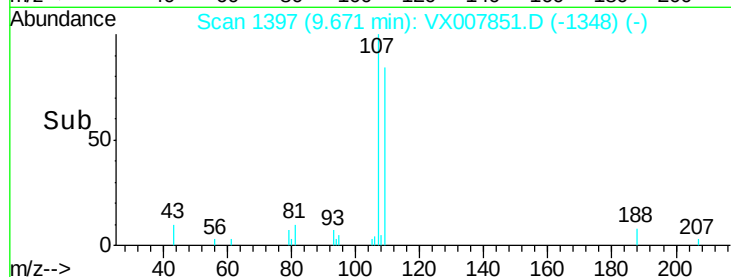
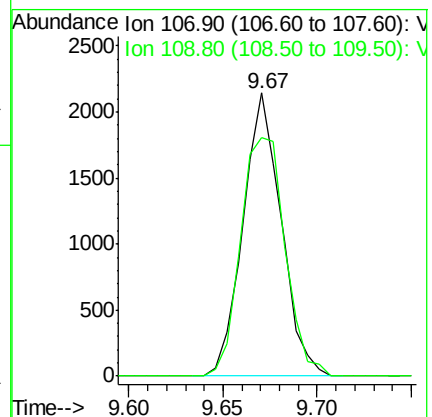
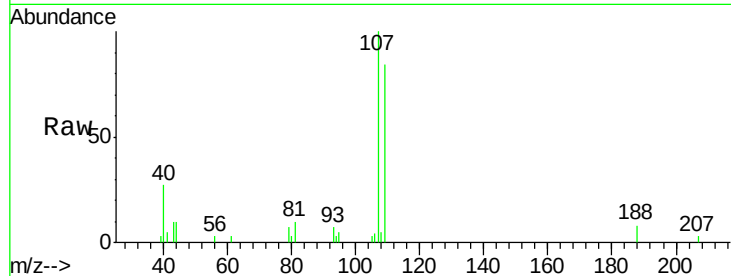
109 98.4 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:34:39 AM



#62

4-Bromofluorobenzene

Concen: 0.964 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

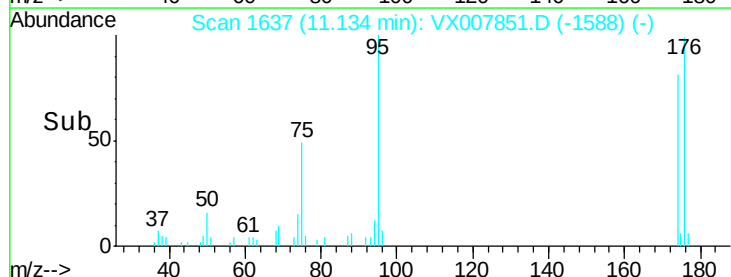
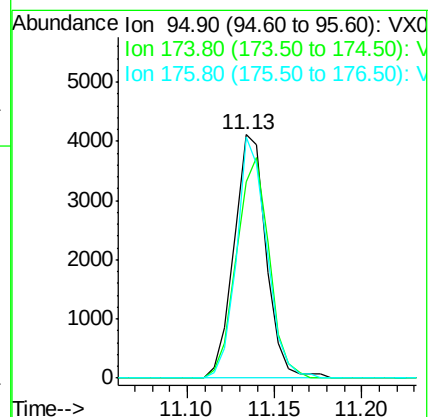
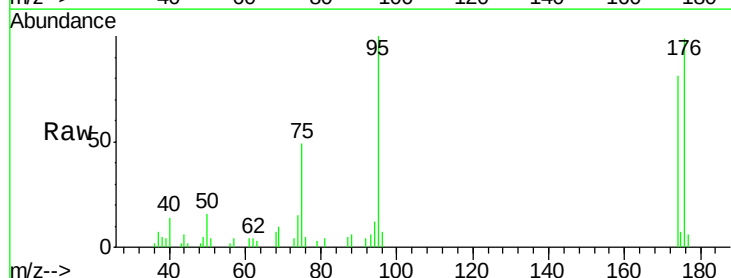
Tgt Ion: 95 Resp: 5256

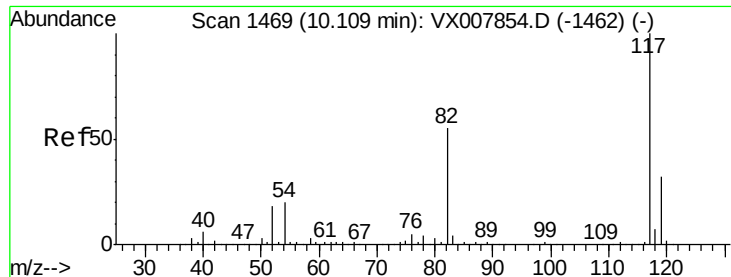
Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

176 93.1 0.0 178.0





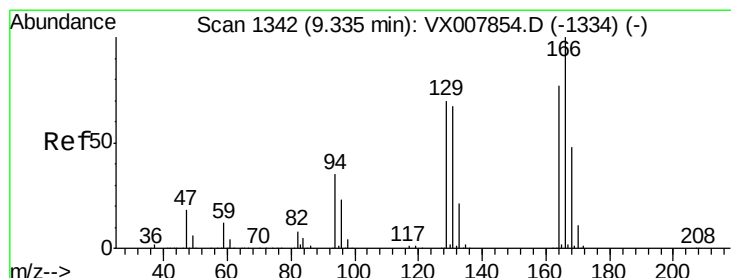
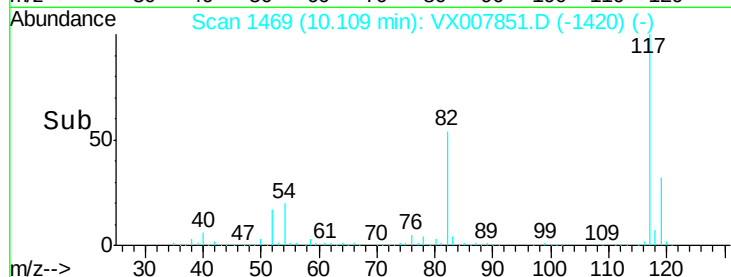
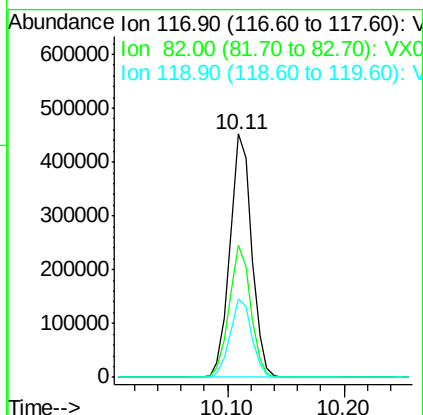
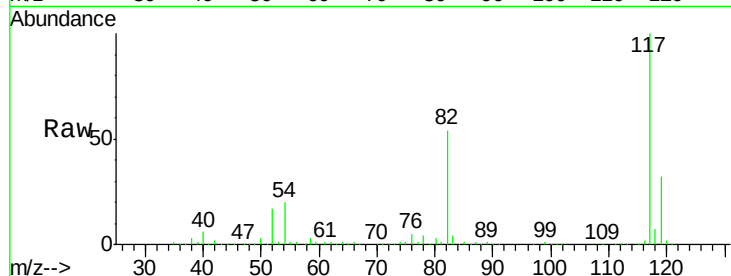
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.3	66.5
119	32.3	25.3	37.9

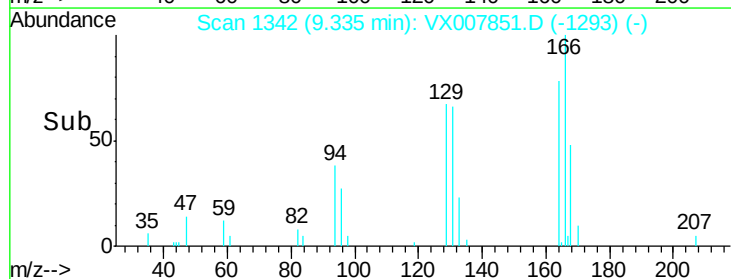
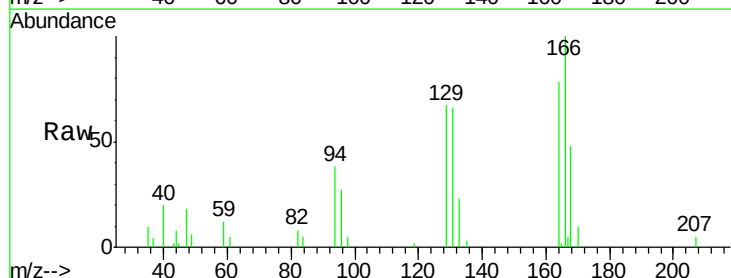
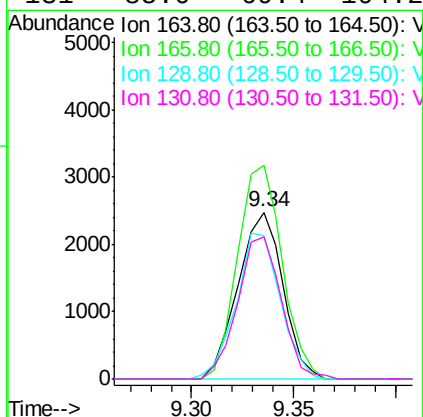
Manual Integrations
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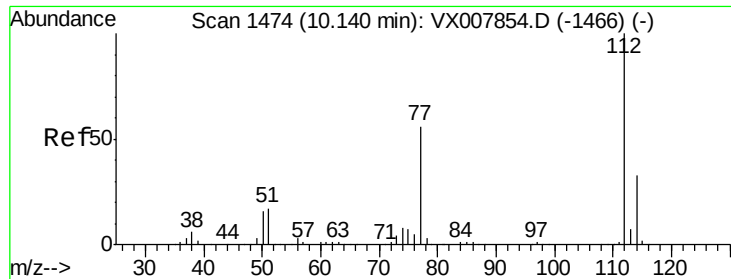
MMDadoda
3/7/2019 10:34:39 AM



#64
Tetrachloroethene
Concen: 0.772 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.4	155.0
129	85.8	72.2	108.4
131	85.0	69.4	104.2





#65

Chlorobenzene

Concen: 0.700 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:112 Resp: 8654

Ion Ratio Lower Upper

112 100

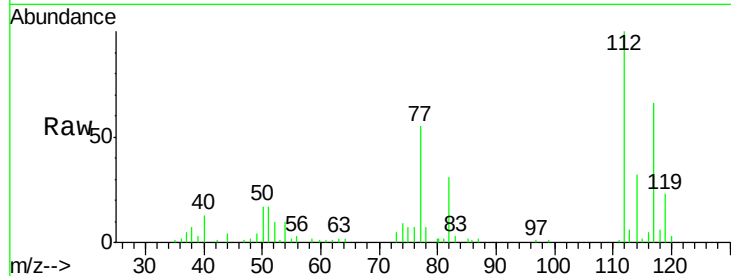
114 32.1 26.0 39.0

Manual Integrations

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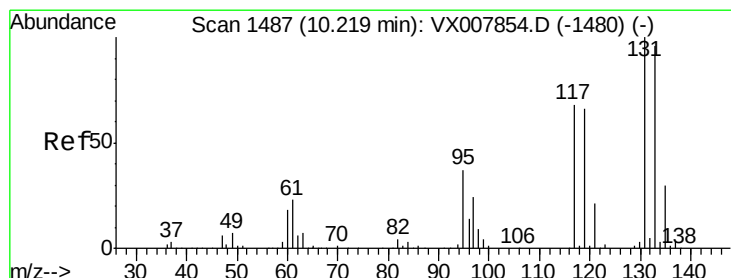
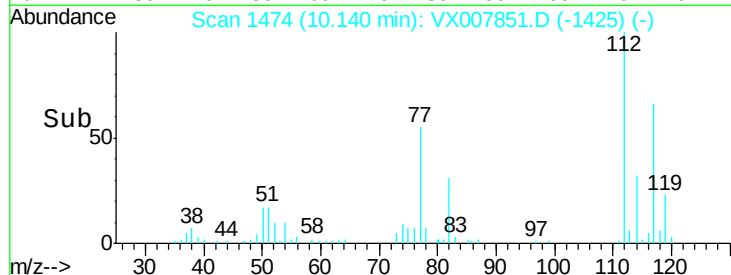
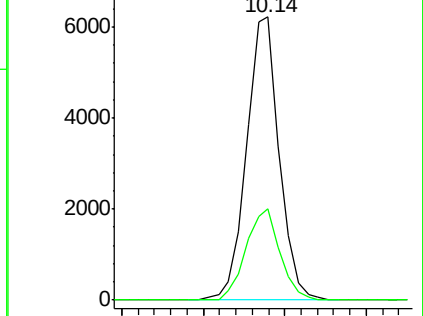
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.659 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

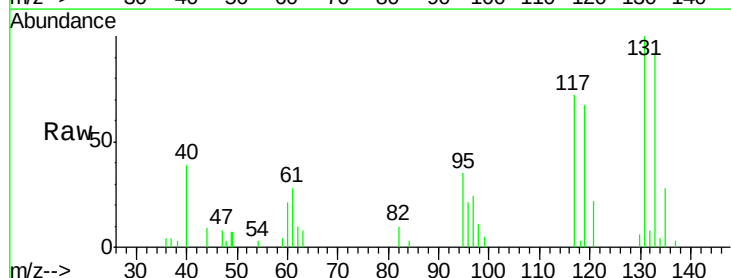
Tgt Ion:131 Resp: 2919

Ion Ratio Lower Upper

131 100

133 99.0 47.8 143.3

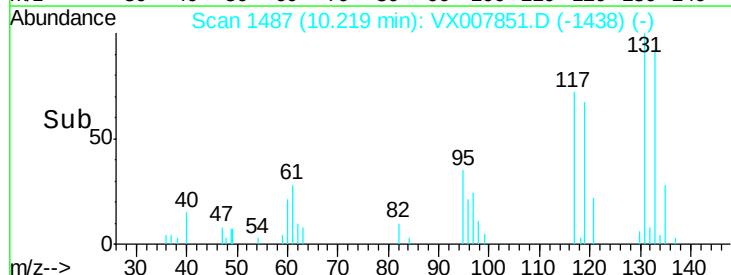
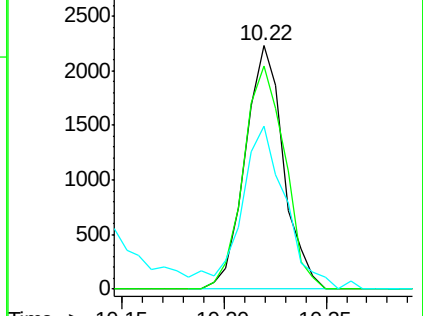
119 0.0 32.5 97.5#

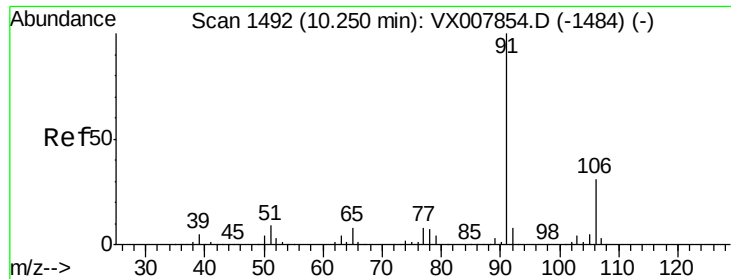


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 0.670 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 13635

Ion Ratio Lower Upper

91 100

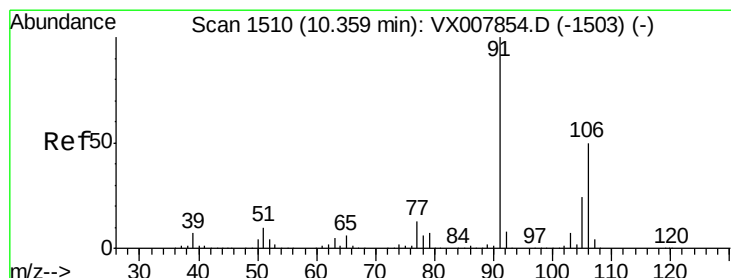
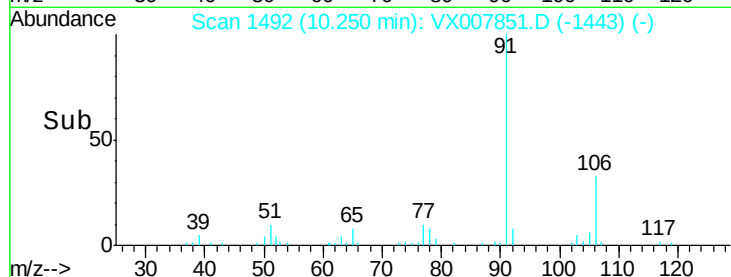
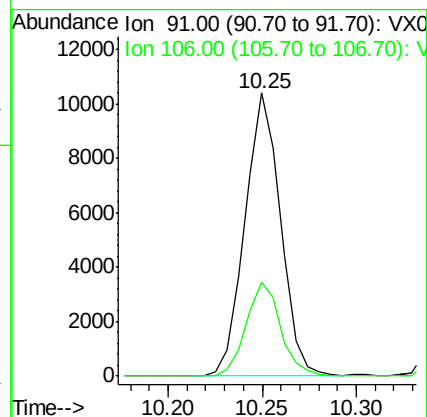
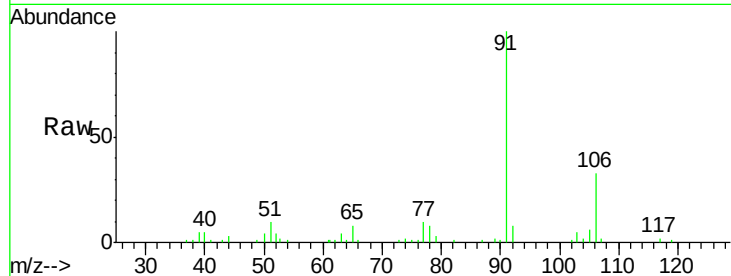
106 33.4 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 1.317 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007851.D

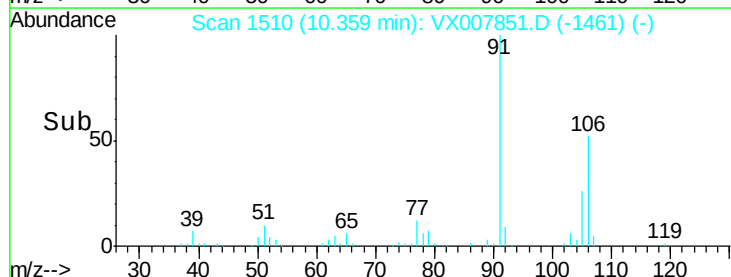
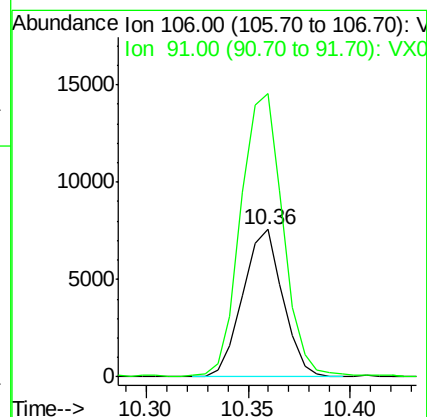
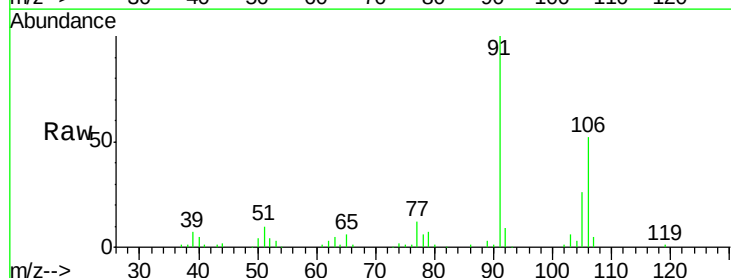
Acq: 06 Mar 2019 09:41

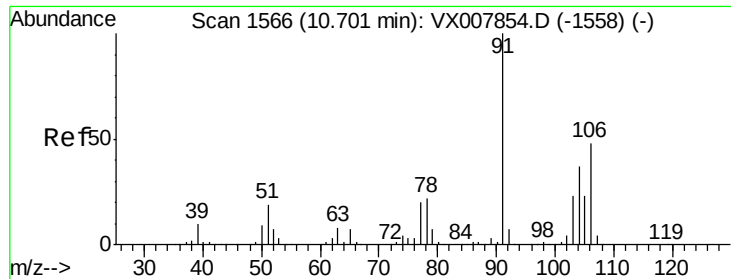
Tgt Ion: 106 Resp: 10332

Ion Ratio Lower Upper

106 100

91 201.8 159.8 239.6





#69

o-Xylene

Concen: 0.651 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:106 Resp: 4927

Ion Ratio Lower Upper

106 100

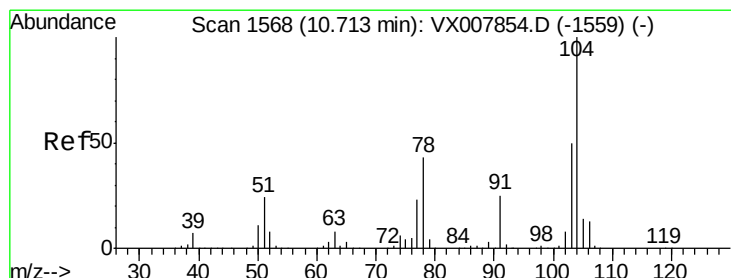
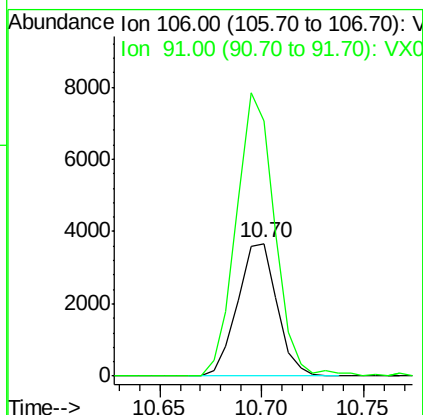
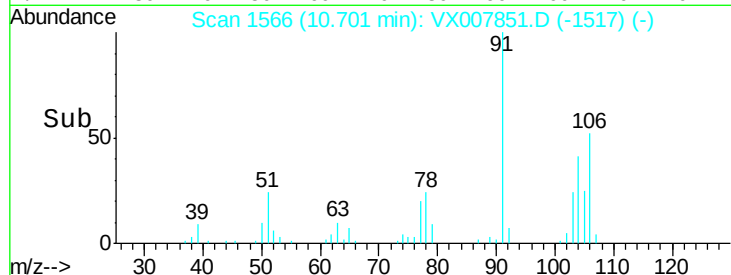
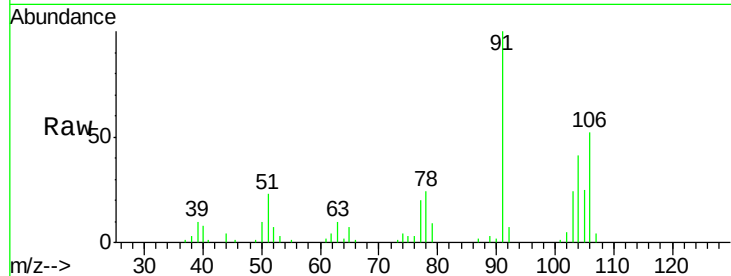
91 207.3 106.3 318.9

Manual Integrations

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MMDadoda

3/7/2019 10:34:39 AM



#70

Styrene

Concen: 0.617 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

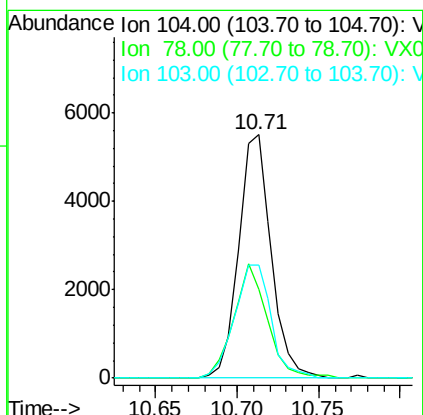
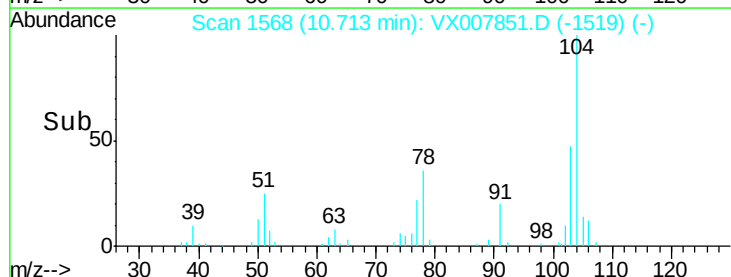
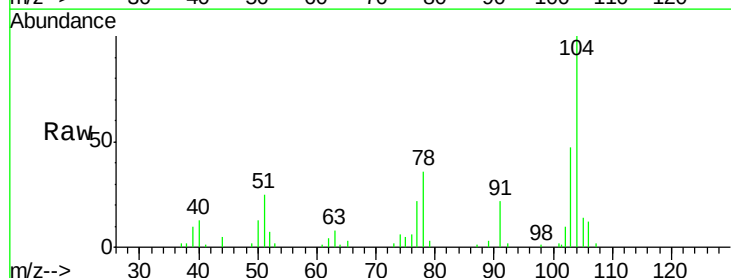
Tgt Ion:104 Resp: 7652

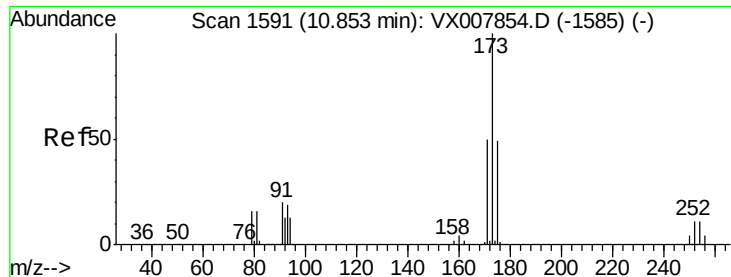
Ion Ratio Lower Upper

104 100

78 48.4 38.5 57.7

103 52.6 44.1 66.1





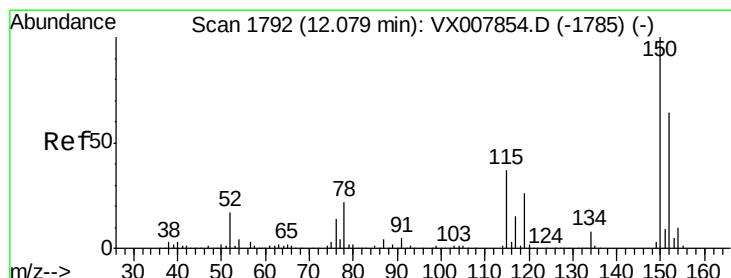
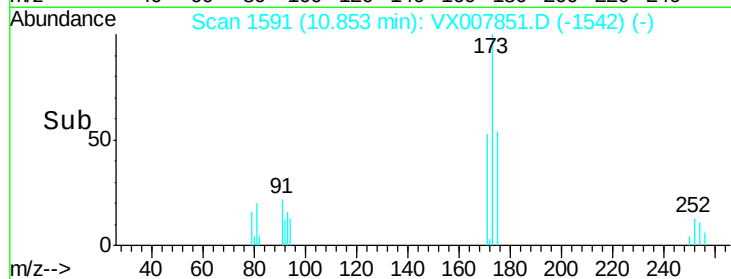
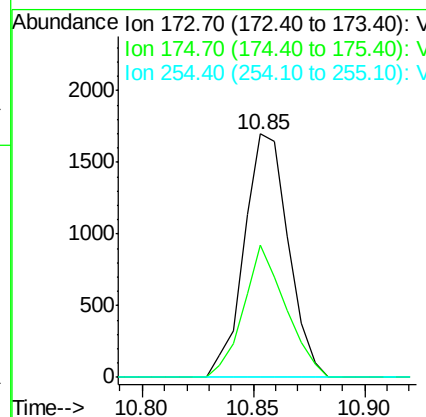
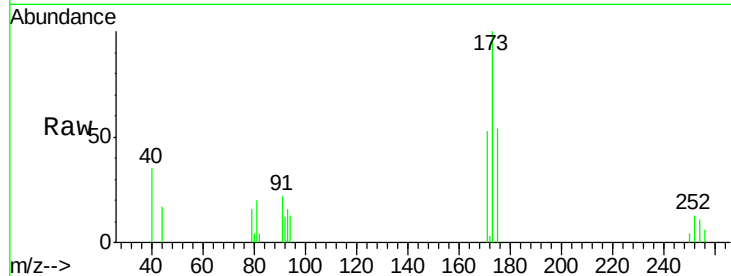
#71
Bromoform
Concen: 0.618 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.3	72.9
254	0.0	0.1	0.1#

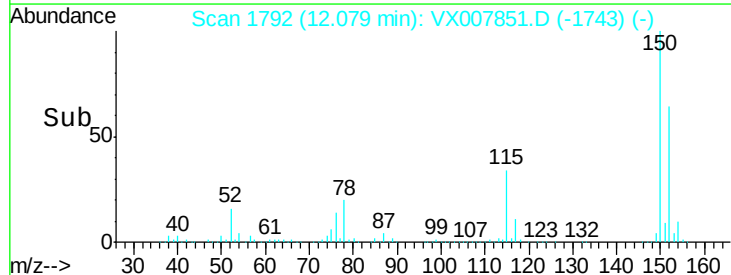
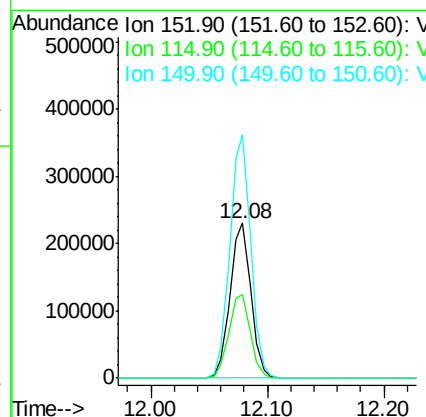
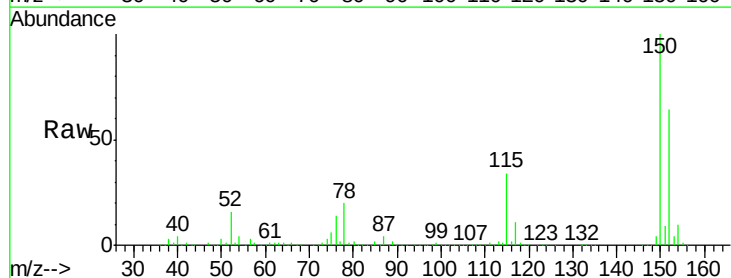
Manual Integrations
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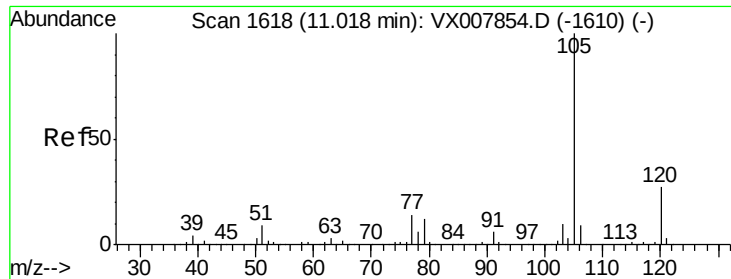
MMDadoda
3/7/2019 10:34:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	38.6	115.7
150	157.3	0.0	348.4





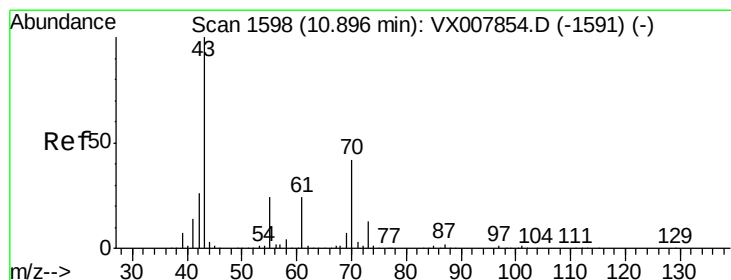
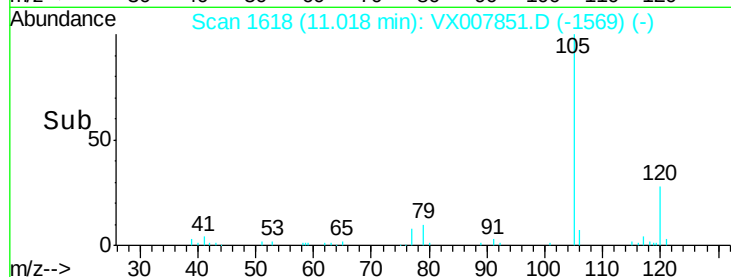
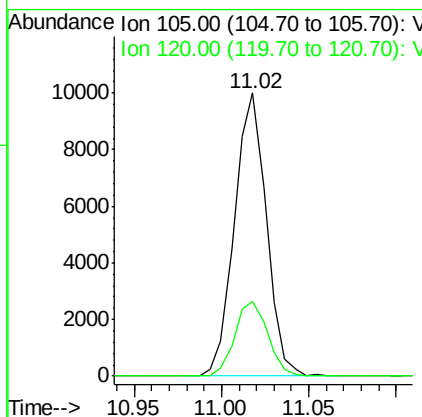
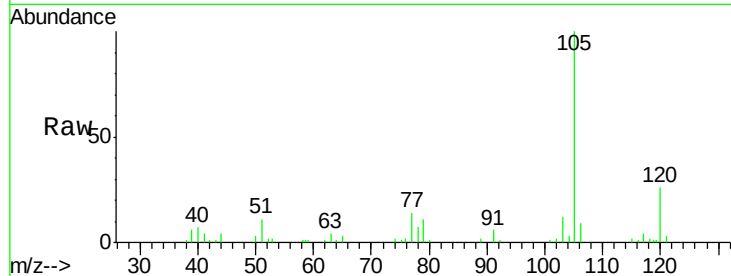
#73
Isopropylbenzene
Concen: 0.656 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:105 Resp: 12646
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.1

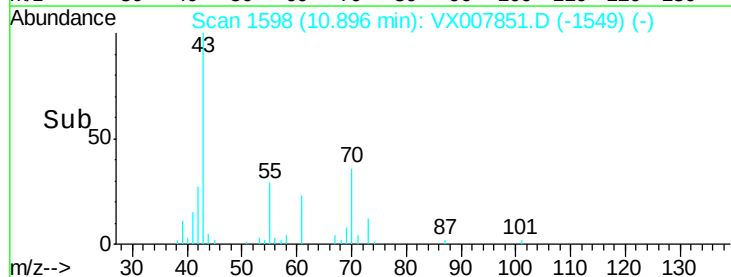
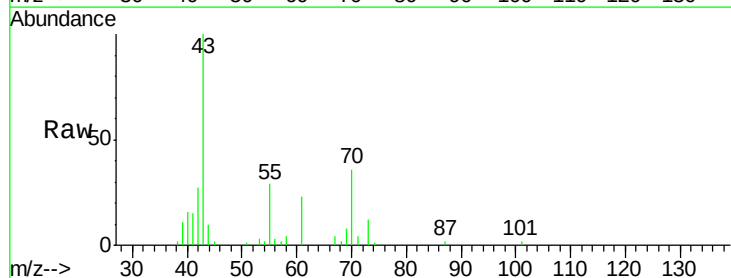
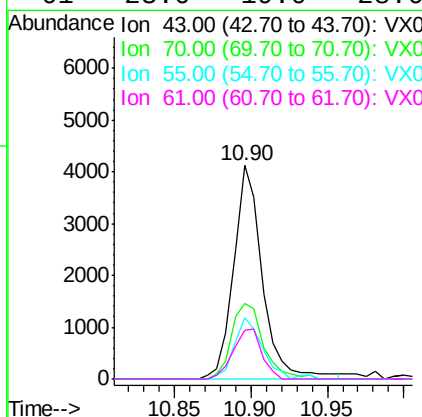
Manual Integrations
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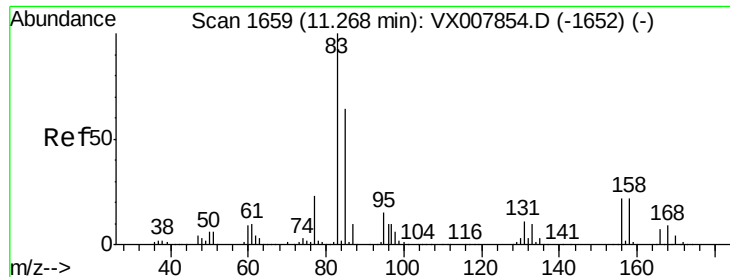
MMDadoda
3/7/2019 10:34:39 AM



#74
N-ethyl acetate
Concen: 0.610 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion: 43 Resp: 5369
Ion Ratio Lower Upper
43 100
70 39.3 33.5 50.3
55 28.5 19.2 28.8
61 23.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.729 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

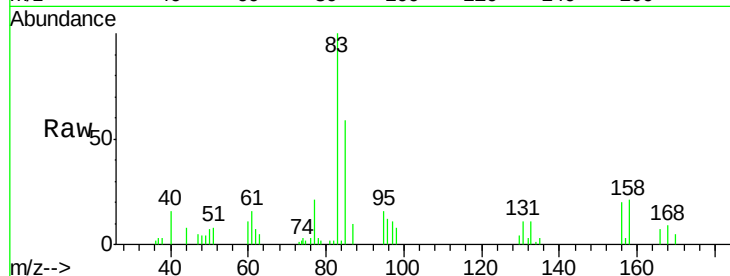
ClientSampled :

VSTDIC001

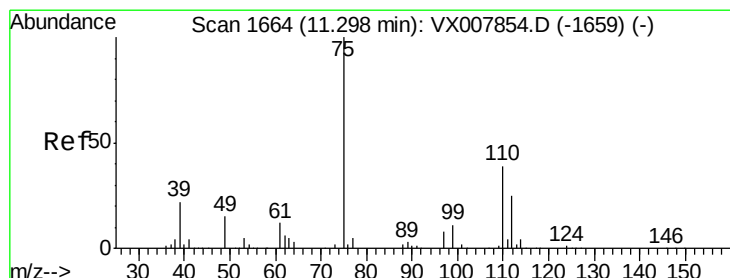
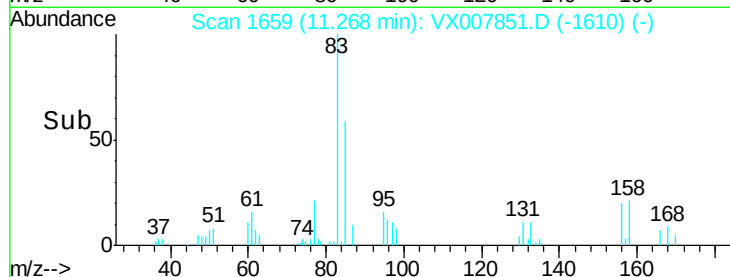
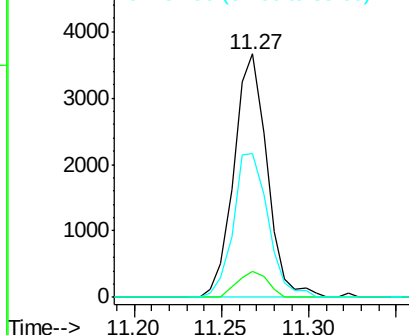
Tot Ion:	83	Resp:	4843
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.4	16.2
85	62.1	32.3	96.8

Manual Integrations
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3/7/2019 10:34:39 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.714 ug/l m

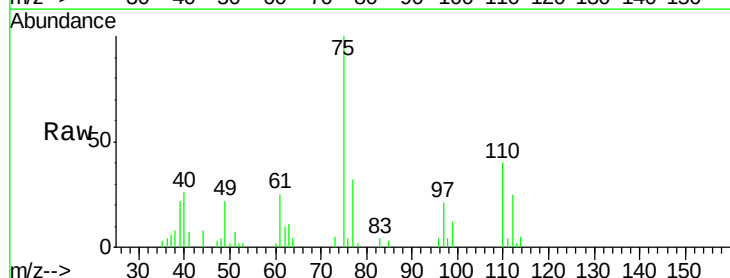
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

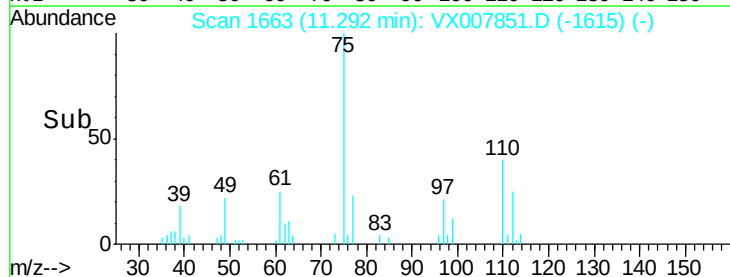
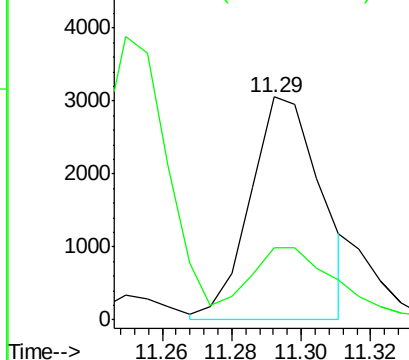
Lab File: VX007851.D

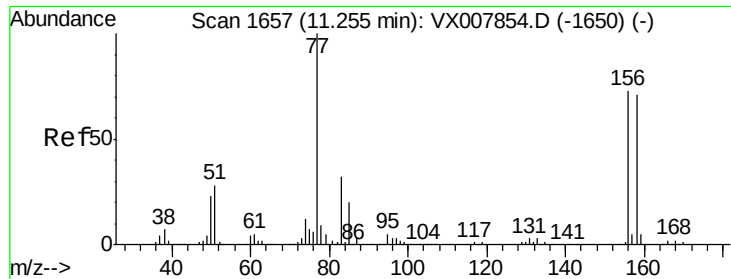
Acq: 06 Mar 2019 09:41

Tgt Ion:	75	Resp:	4306
Ion	Ratio	Lower	Upper
75	100		
77	41.2	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.687 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

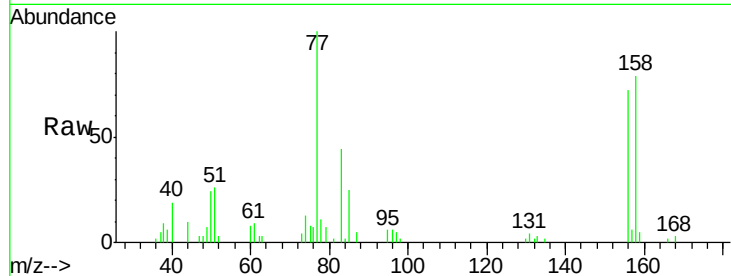
ClientSampled :

VSTDIC001

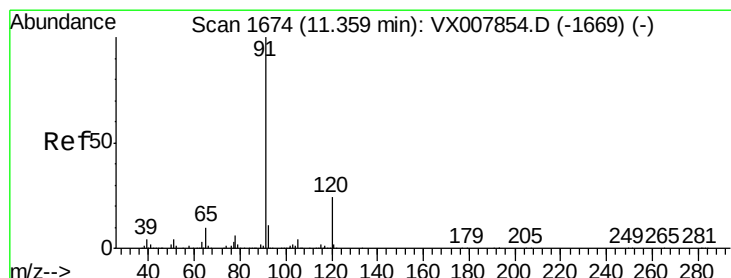
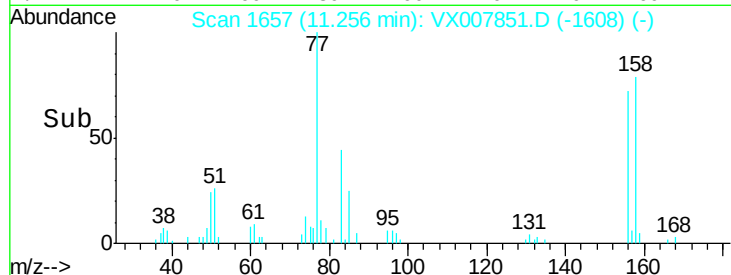
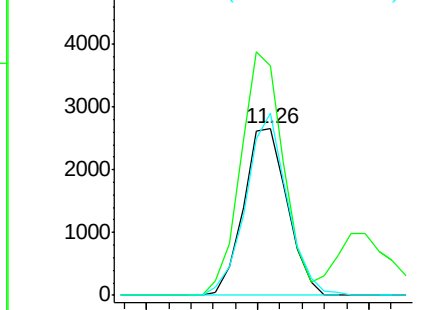
Tot Ion:	156	Resp:	3629
Ion	Ratio	Lower	Upper
156	100		
77	143.0	72.0	215.9
158	103.5	48.6	145.9

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.640 ug/l

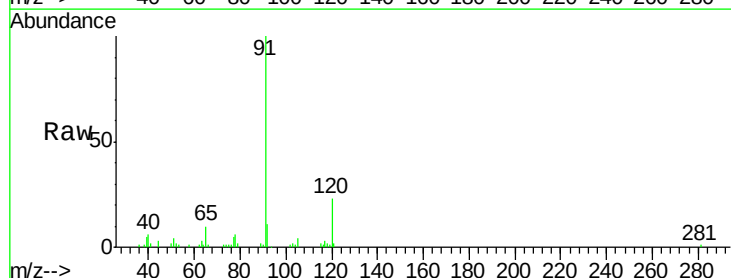
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

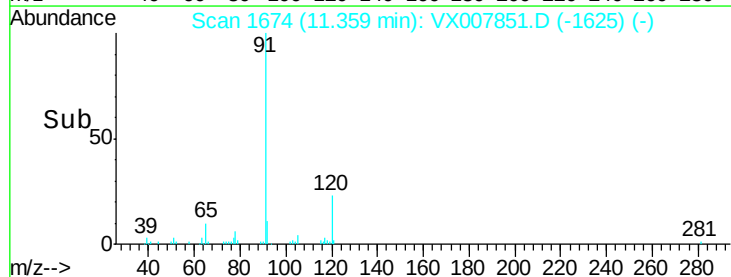
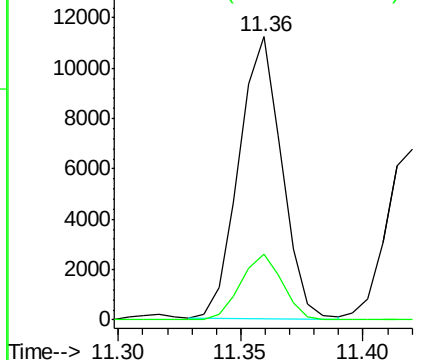
Lab File: VX007851.D

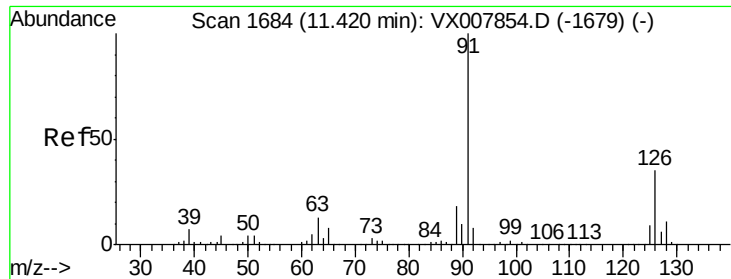
Acq: 06 Mar 2019 09:41

Tgt Ion:	91	Resp:	13680
Ion	Ratio	Lower	Upper
91	100		
120	22.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.687 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 8974

Ion Ratio Lower Upper

91 100

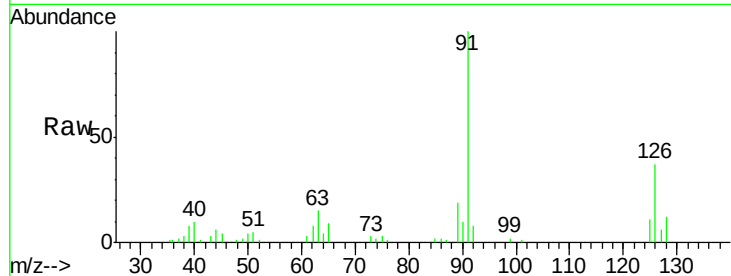
126 35.5 17.5 52.6

Manual Integrations

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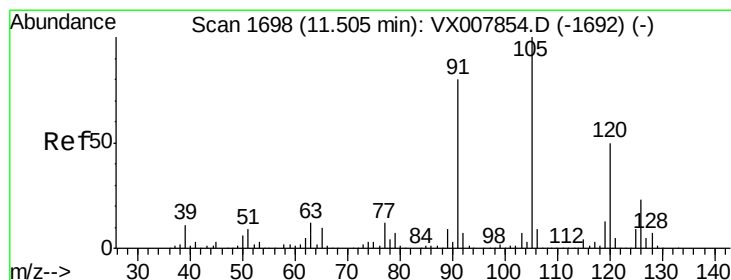
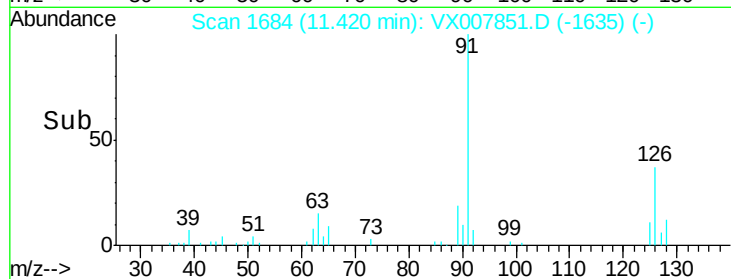
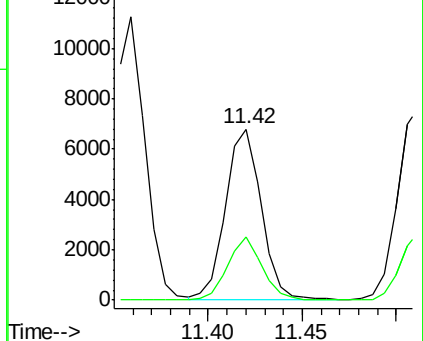
MMDadoda

3/7/2019 10:34:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 0.636 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007851.D

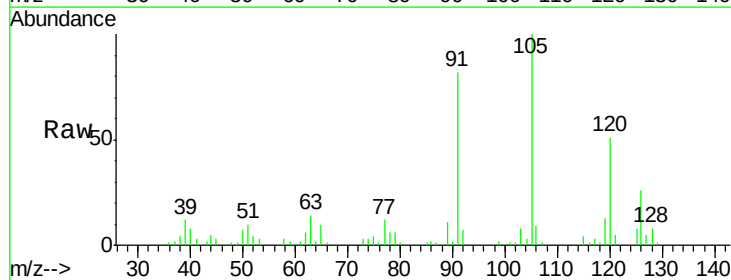
Acq: 06 Mar 2019 09:41

Tgt Ion: 105 Resp: 10094

Ion Ratio Lower Upper

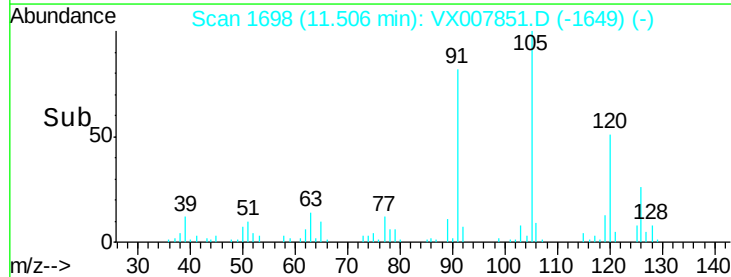
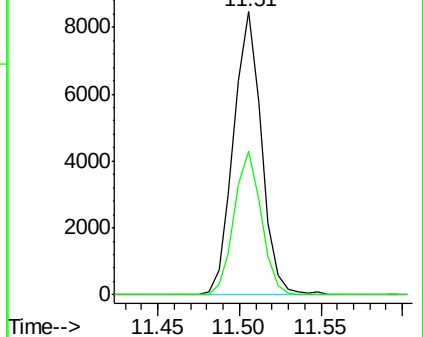
105 100

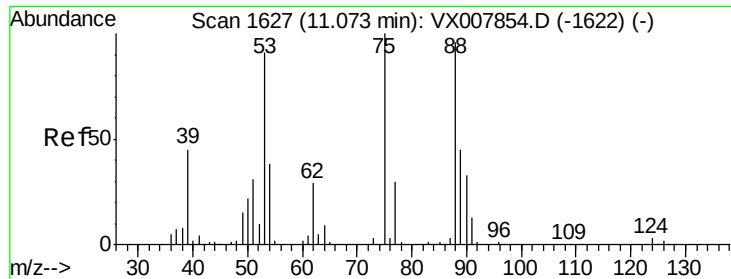
120 48.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 0.585 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

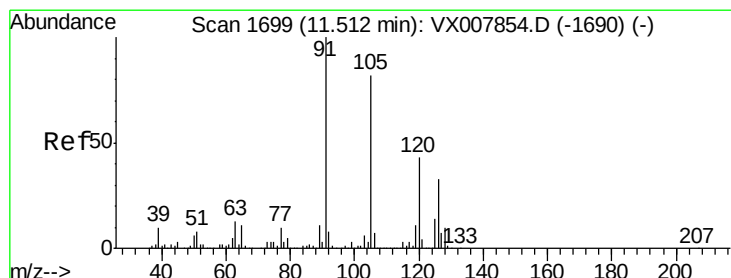
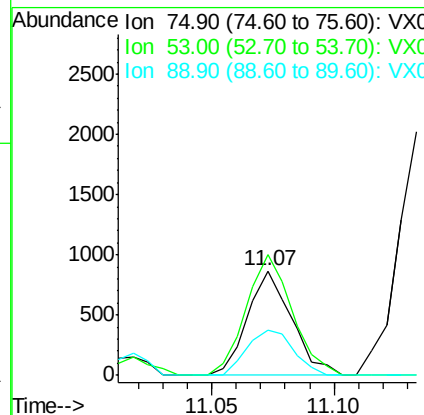
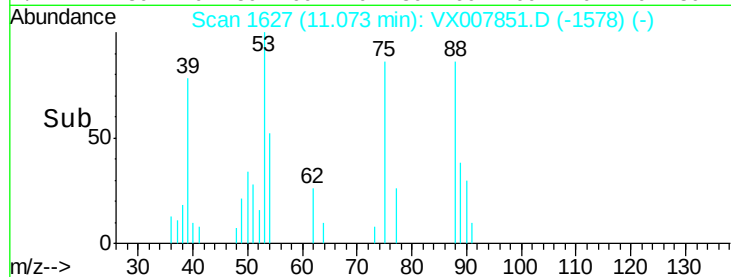
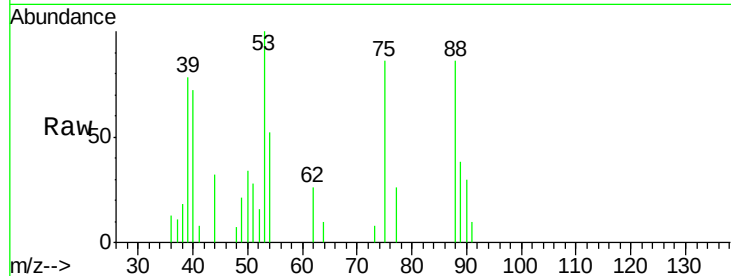
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.4	76.1	114.1#
89	45.4	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.659 ug/l

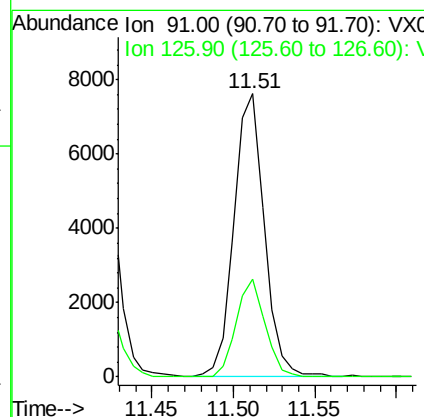
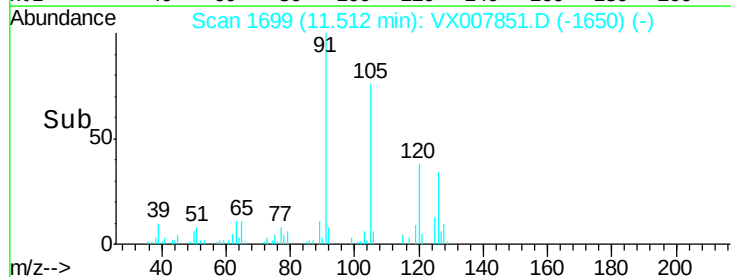
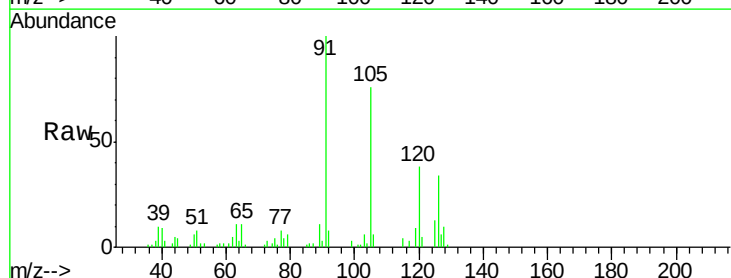
RT: 11.51 min Scan# 1699

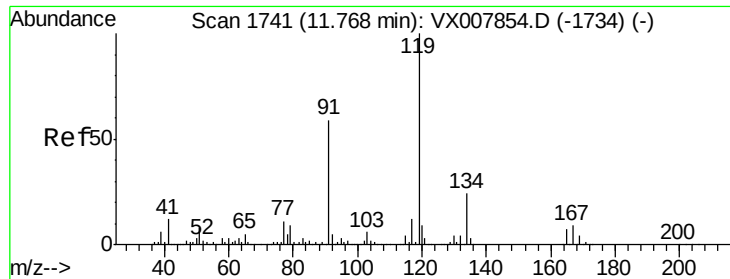
Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.6	46.8





#83

tert-Butylbenzene

Concen: 0.677 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

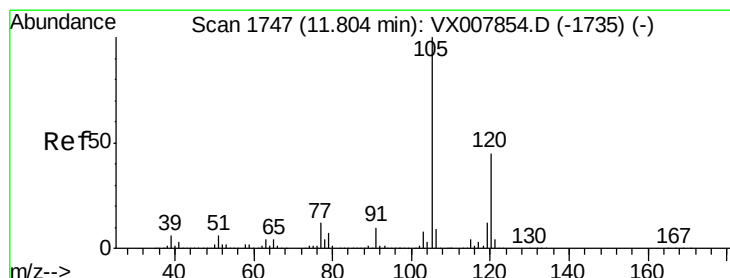
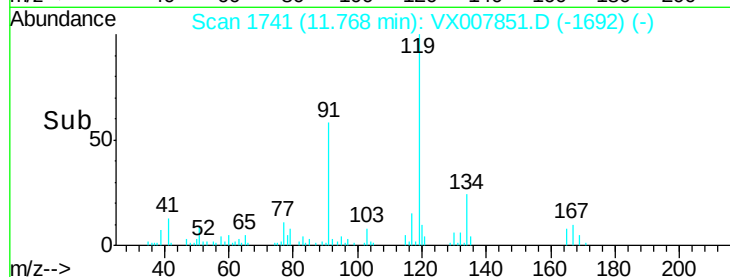
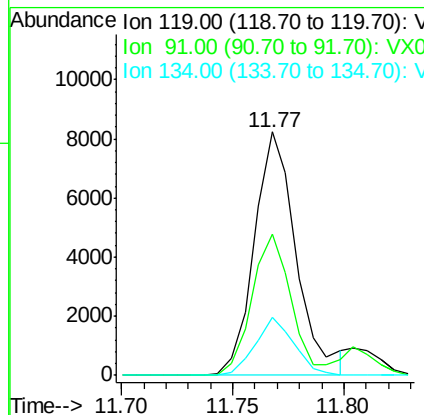
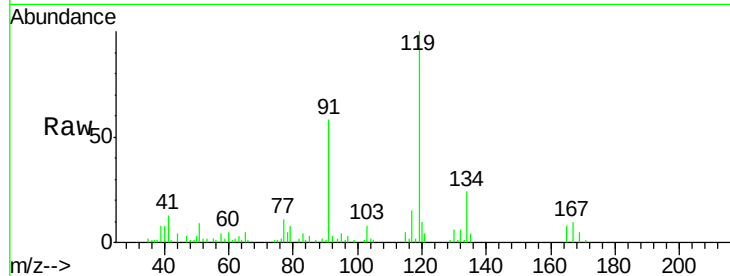
ClientSampled :

VSTDIC001

Tot Ion:	119	Resp:	10813
Ion Ratio	Lower	Upper	
119	100		
91	54.5	27.1	81.3
134	22.0	11.4	34.1

Manual Integrations
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3/7/2019 10:34:39 AM



#84

1,2,4-Trimethylbenzene

Concen: 0.628 ug/l

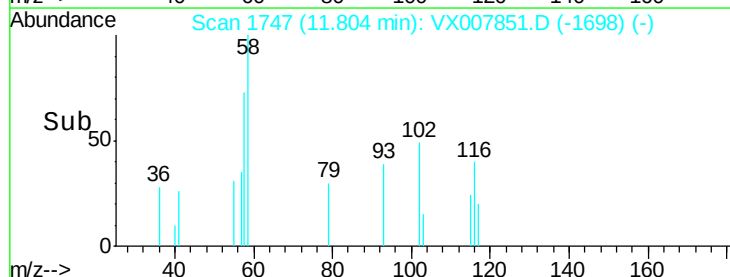
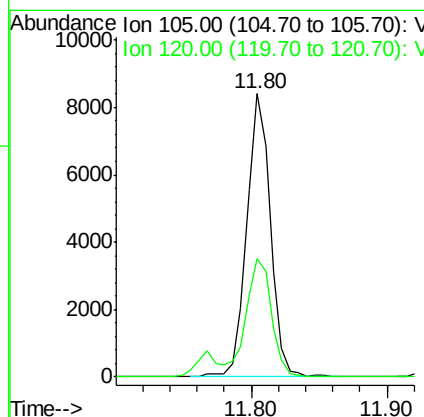
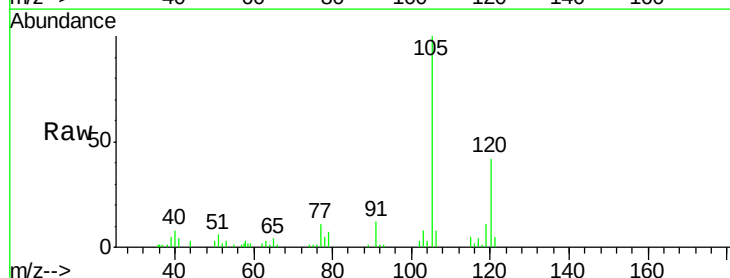
RT: 11.80 min Scan# 1747

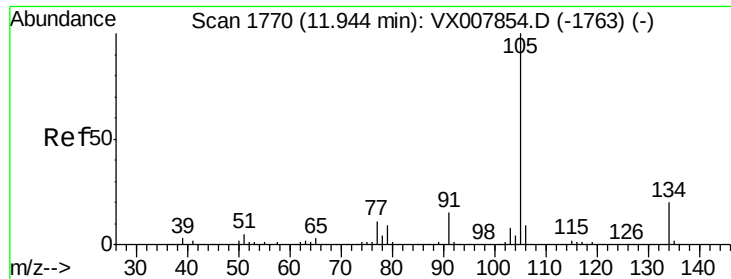
Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:	105	Resp:	10210
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 0.643 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 12092

Ion Ratio Lower Upper

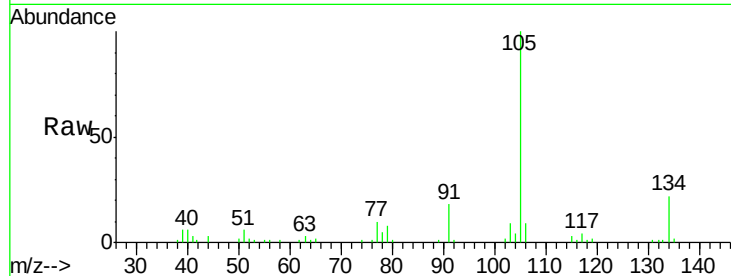
105 100

134 20.8 10.4 31.2

Manual Integrations
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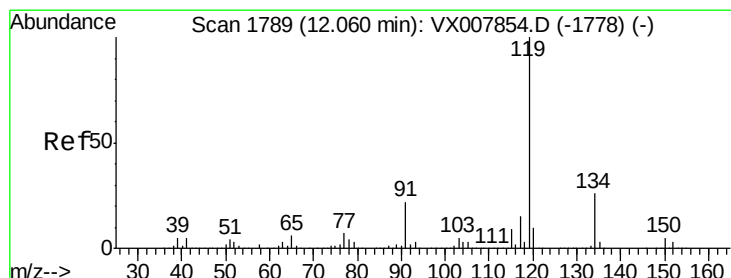
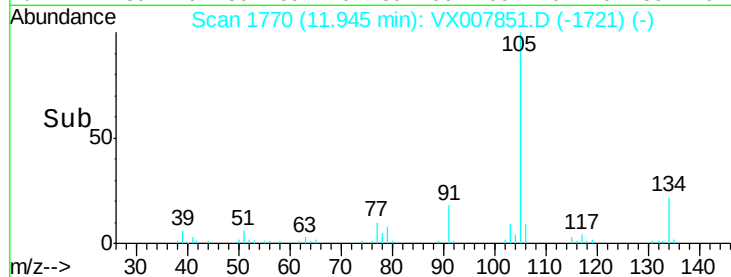
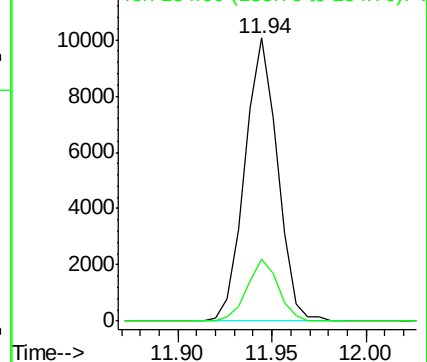
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3/7/2019 10:34:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.638 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

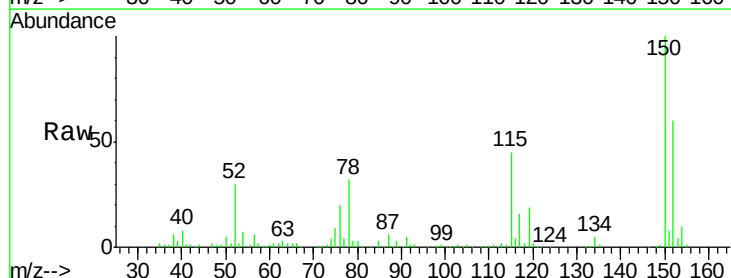
Tgt Ion:119 Resp: 10751

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

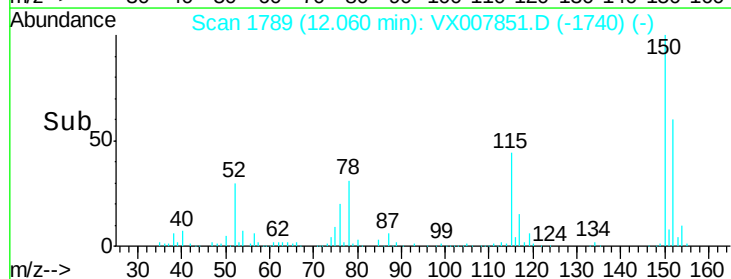
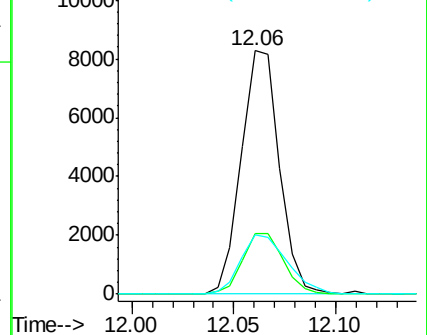
91 30.0 10.9 32.7

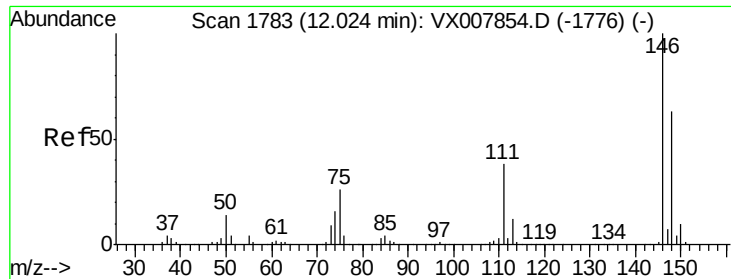


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





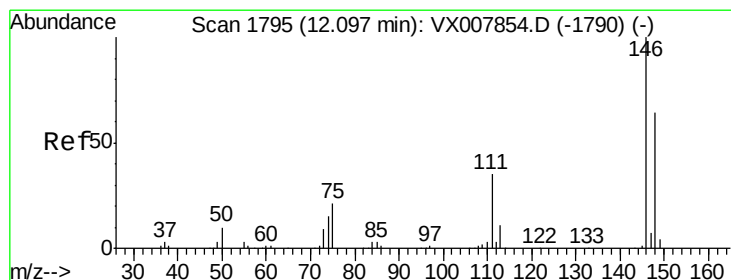
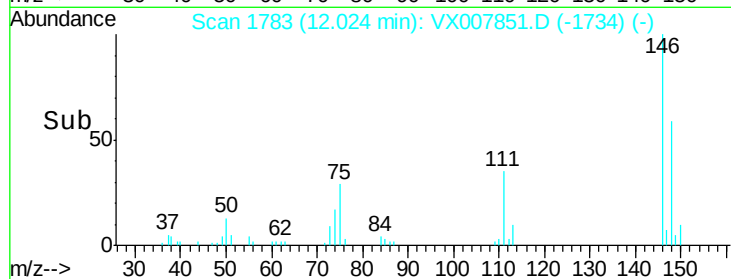
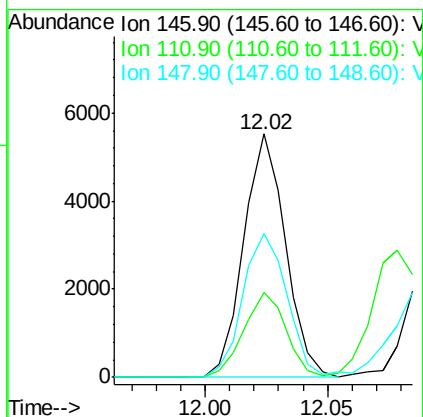
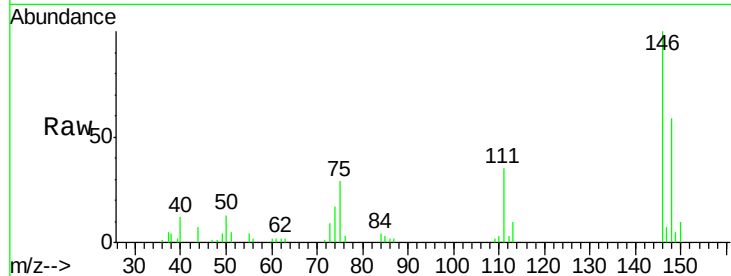
#87
 1,3-Dichlorobenzene
 Concen: 0.702 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.9	56.7
148	62.3	31.7	95.1

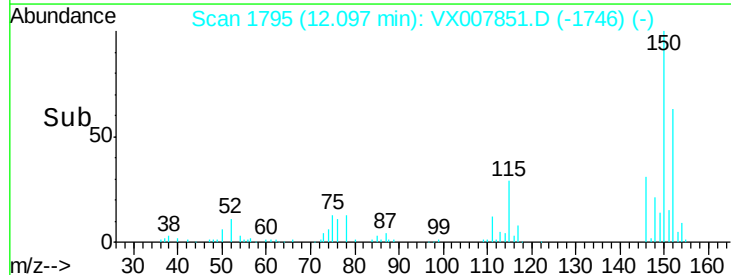
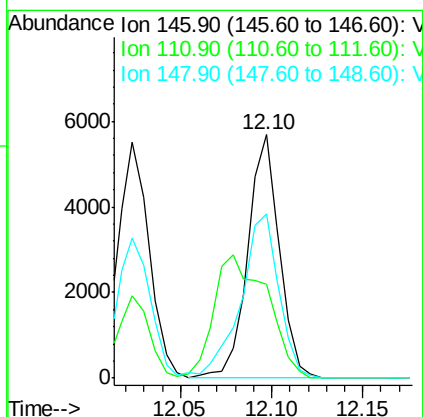
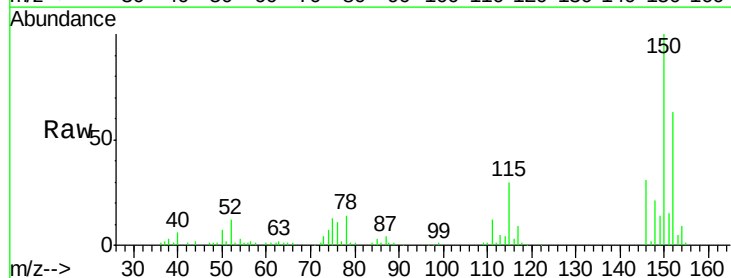
Manual Integrations
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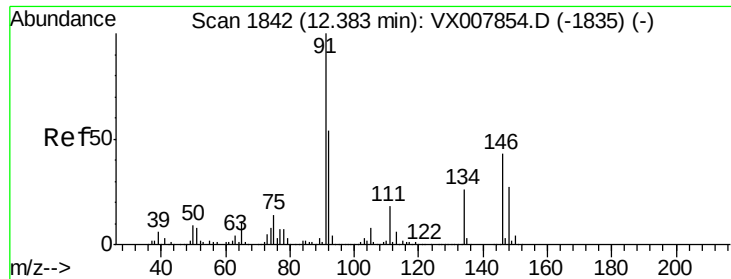
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#88
 1,4-Dichlorobenzene
 Concen: 0.711 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	18.4	55.0
148	60.0	32.2	96.6





#89

n-Butylbenzene

Concen: 0.617 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Instrument :

MSVOA_X

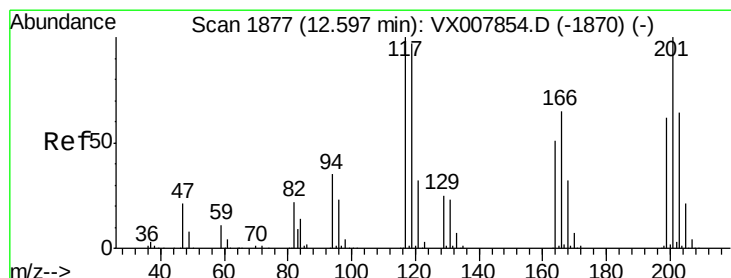
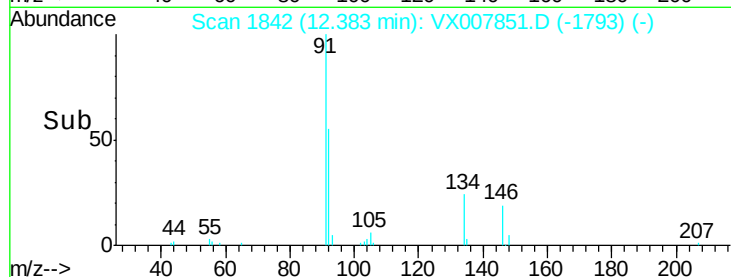
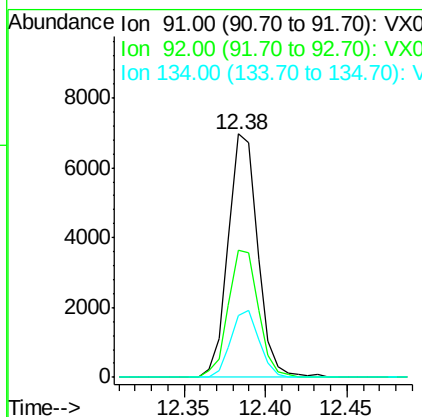
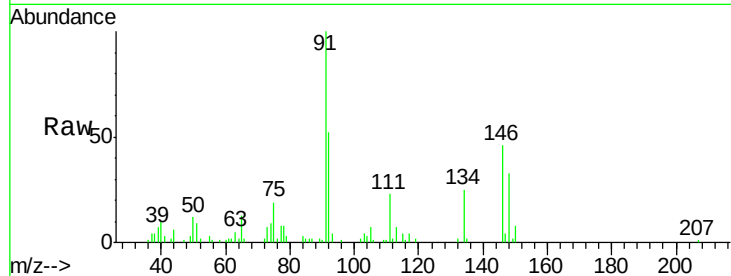
ClientSampled :

VSTDIC001

Tot Ion:	91	Resp:	8808
Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.0	80.8
134	26.2	13.7	41.0

Manual Integrations
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#90

Hexachloroethane

Concen: 0.704 ug/l

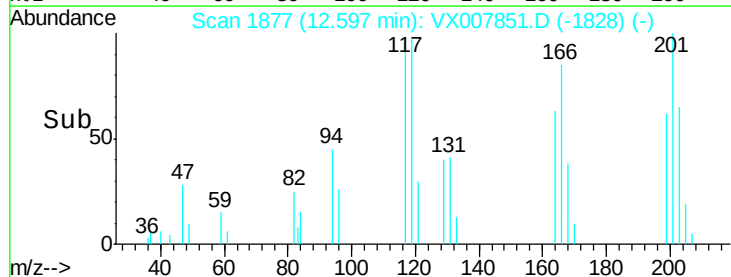
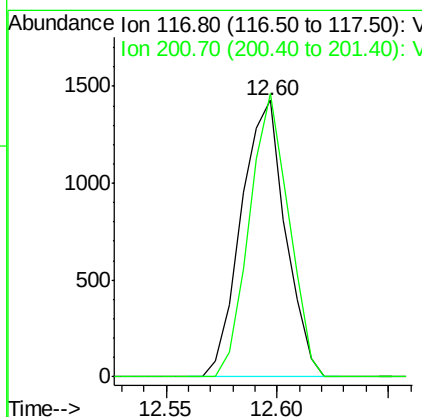
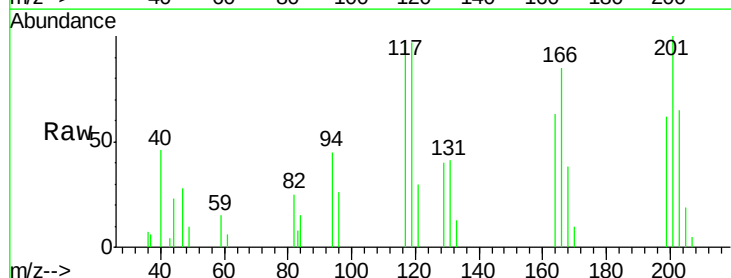
RT: 12.60 min Scan# 1877

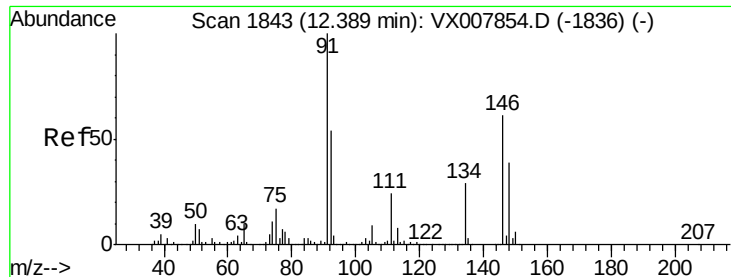
Delta R.T. 0.00 min

Lab File: VX007851.D

Acq: 06 Mar 2019 09:41

Tgt Ion:	117	Resp:	1984
Ion	Ratio	Lower	Upper
117	100		
201	90.9	48.9	146.7





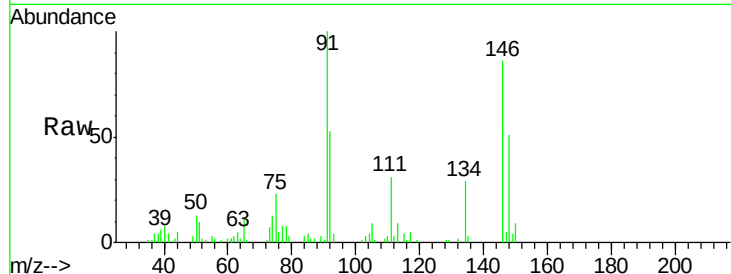
#91
 1,2-Dichlorobenzene
 Concen: 0.728 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

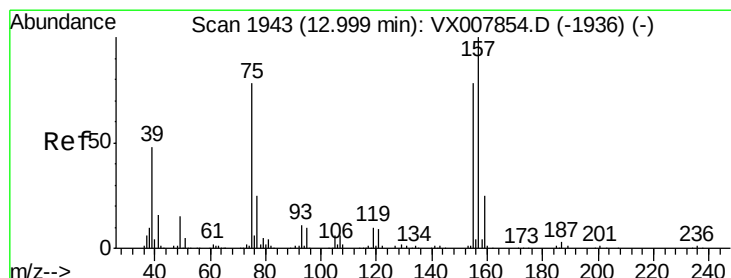
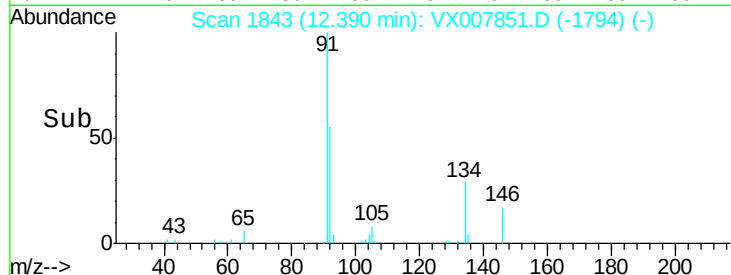
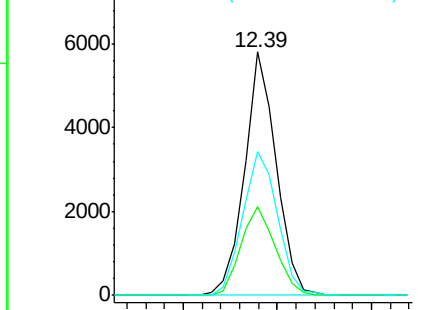
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.8
148	64.9	31.9	95.5

Manual Integrations
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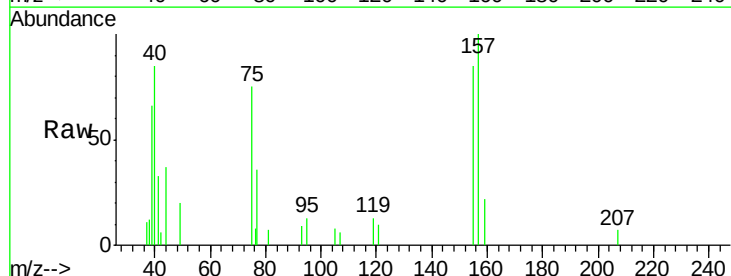


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

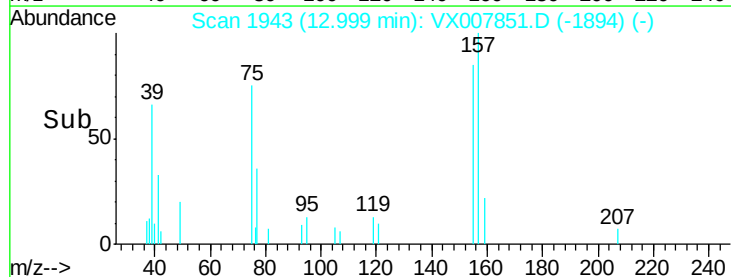
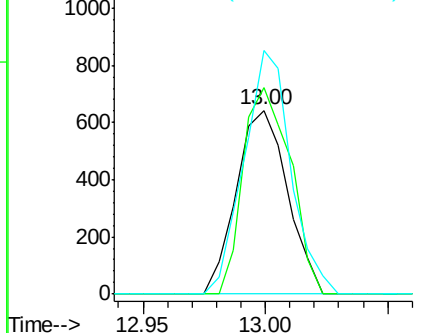


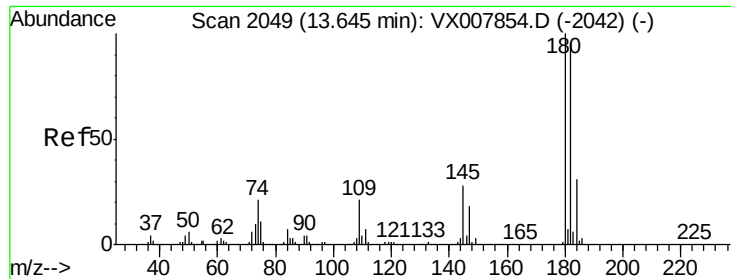
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.674 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	49.7	149.1
157	122.1	63.8	191.4



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





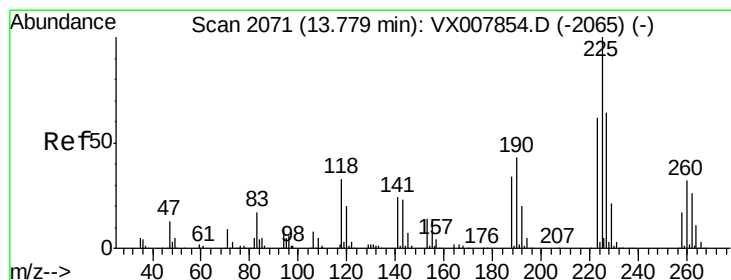
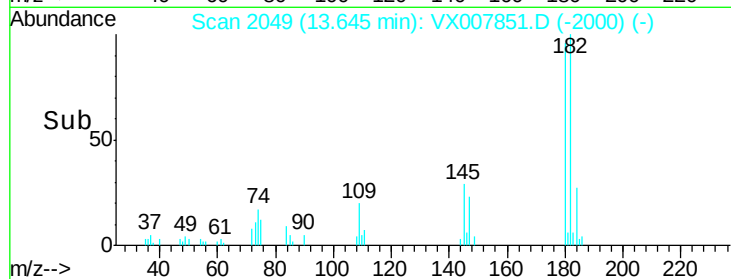
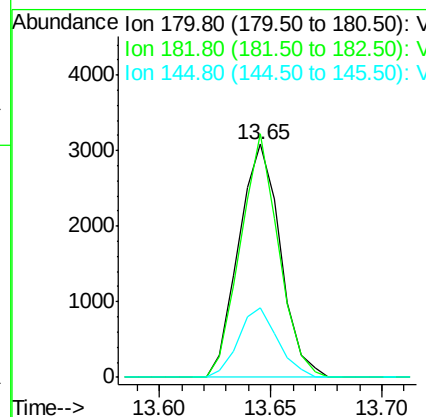
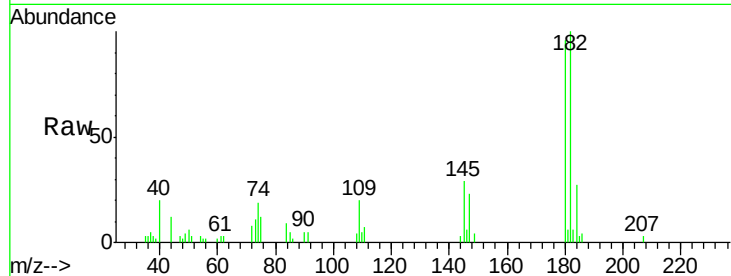
#93
 1,2,4-Trichlorobenzene
 Concen: 0.617 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	28.1	14.1	42.4

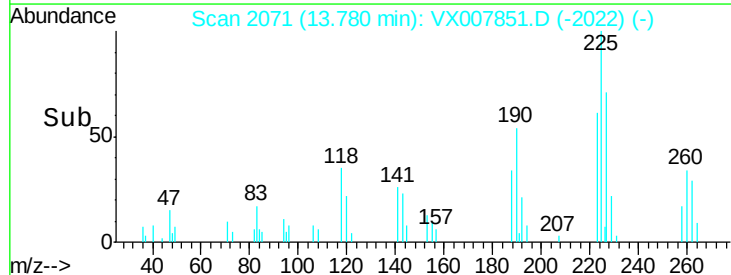
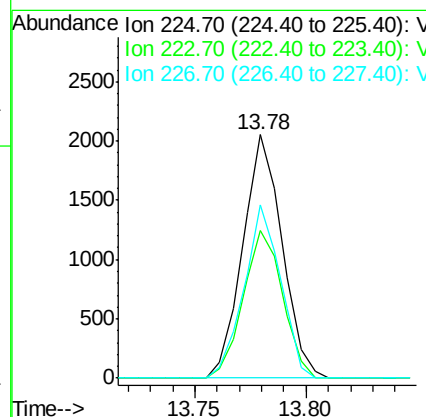
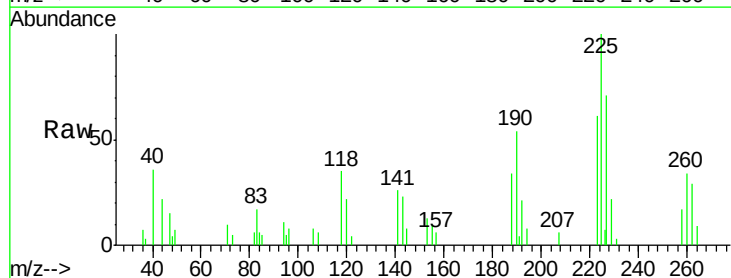
Manual Integrations
 APPROVED

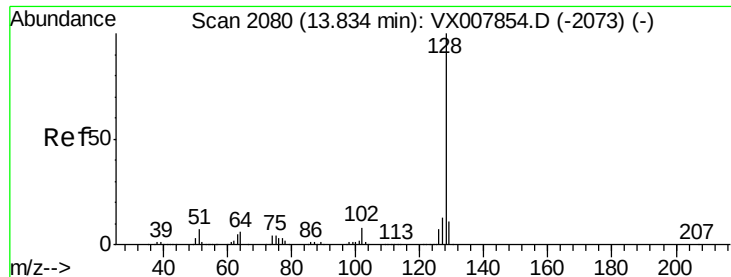
MMDadoda
 3/7/2019 10:34:39 AM



#94
 Hexachlorobutadiene
 Concen: 0.742 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007851.D
 Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.1	93.2
227	66.1	32.0	96.0





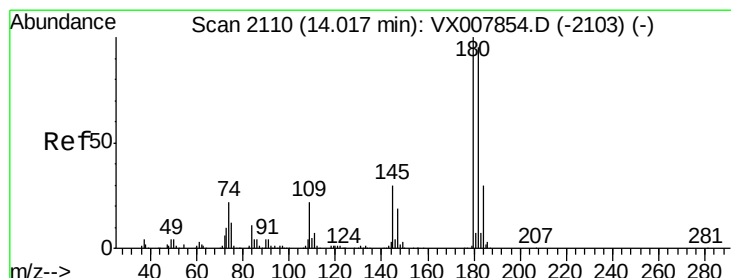
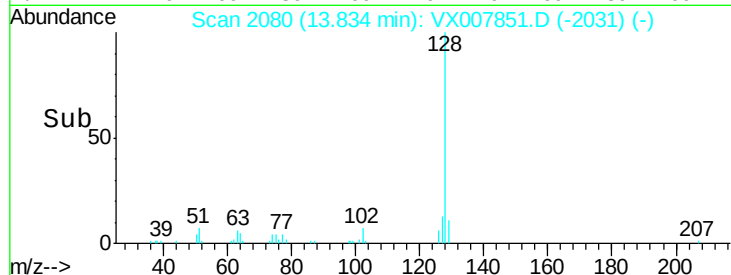
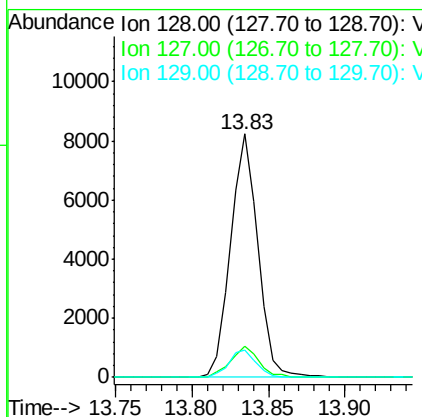
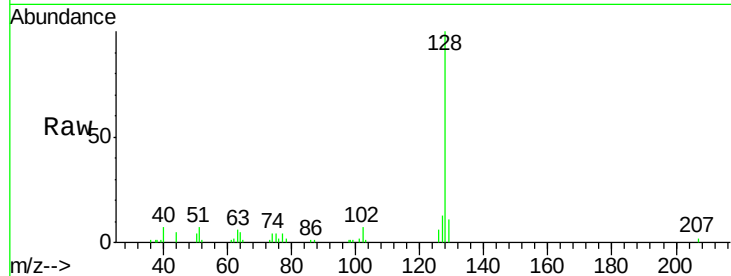
#95
Naphthalene
Concen: 0.539 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.627 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX007851.D
Acq: 06 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.5
145	31.0	14.8	44.3

