

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010103.D
 Acq On : 07 Jun 2019 12:18
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:53:31 AM

Quant Time: Jun 07 13:12:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 13:02:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	318411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	481192	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	426695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216290	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	62572	20.80	ug/l	0.00
Spiked Amount						
			Recovery	=	41.60%	
35) Dibromofluoromethane	5.50	113	60609	20.82	ug/l	0.00
Spiked Amount						
			Recovery	=	41.64%	
50) Toluene-d8	8.71	98	225087	20.34	ug/l	0.00
Spiked Amount						
			Recovery	=	40.68%	
62) 4-Bromofluorobenzene	11.13	95	84300	20.35	ug/l	0.00
Spiked Amount						
			Recovery	=	40.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	63050	19.943	ug/l	100
3) Chloromethane	1.33	50	56920	19.669	ug/l	100
4) Vinyl Chloride	1.41	62	52667	19.364	ug/l	99
5) Bromomethane	1.64	94	24549	24.190	ug/l	97
6) Chloroethane	1.72	64	29326	19.311	ug/l	98
7) Trichlorofluoromethane	1.93	101	78891	19.829	ug/l	97
8) Diethyl Ether	2.19	74	26537	20.094	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54179	20.206	ug/l	92
10) Methyl Iodide	2.51	142	83984	18.987	ug/l	97
11) Tert butyl alcohol	3.04	59	76667	101.904	ug/l	98
12) 1,1-Dichloroethene	2.37	96	54364	19.663	ug/l #	78
13) Acrolein	2.29	56	13287	87.843	ug/l	94
14) Allyl chloride	2.73	41	81544	19.664	ug/l #	87
15) Acrylonitrile	3.14	53	151049	99.005	ug/l	99
16) Acetone	2.44	43	143019	101.756	ug/l #	89
17) Carbon Disulfide	2.57	76	154801	19.887	ug/l	99
18) Methyl Acetate	2.78	43	60398	19.984	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	173422	19.604	ug/l	92
20) Methylene Chloride	2.85	84	60599	19.915	ug/l #	76
21) trans-1,2-Dichloroethene	3.17	96	58218	19.482	ug/l #	78
22) Diisopropyl ether	3.85	45	158919	19.533	ug/l #	94
23) Vinyl Acetate	3.82	43	722240	98.499	ug/l #	86
24) 1,1-Dichloroethane	3.70	63	94564	19.757	ug/l	96
25) 2-Butanone	4.67	43	215979	100.412	ug/l #	79
26) 2,2-Dichloropropane	4.59	77	86751	19.690	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	67660	19.847	ug/l	81
28) Bromochloromethane	5.02	49	39082	18.073	ug/l #	51
29) Tetrahydrofuran	5.13	42	133257	100.267	ug/l #	75
30) Chloroform	5.21	83	99904	19.713	ug/l	98
31) Cyclohexane	5.58	56	89027	19.929	ug/l #	77
32) 1,1,1-Trichloroethane	5.49	97	92420	20.007	ug/l	94
36) 1,1-Dichloropropene	5.80	75	74417	19.798	ug/l	92
37) Ethyl Acetate	4.84	43	77168	19.502	ug/l #	89
38) Carbon Tetrachloride	5.79	117	83502	19.610	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	101952	20.037	ug/l #	81
40) Benzene	6.14	78	233761	19.764	ug/l	97
41) Methacrylonitrile	5.04	41	42552	19.687	ug/l #	84
42) 1,2-Dichloroethane	6.19	62	73264	19.489	ug/l	94
43) Isopropyl Acetate	6.45	43	130269	19.760	ug/l #	89
44) Trichloroethene	7.21	130	69062	19.790	ug/l	86
45) 1,2-Dichloropropane	7.51	63	57764	19.537	ug/l	99
46) Dibromomethane	7.66	93	42570	19.995	ug/l	93
47) Bromodichloromethane	7.90	83	81346	19.592	ug/l	97
48) Methyl methacrylate	7.77	41	62057	19.423	ug/l #	78
49) 1,4-Dioxane	7.74	88	36606	416.618	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	407689	99.003	ug/l	89
52) Toluene	8.78	92	150697	19.656	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	92835	19.251	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	99744	19.503	ug/l	89
55) 1,1,2-Trichloroethane	9.21	97	62632	19.517	ug/l	96
56) Ethyl methacrylate	9.18	69	100095	19.470	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	97545	19.579	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	237535	96.805	ug/l #	84
59) 2-Hexanone	9.49	43	330161	101.322	ug/l	88
60) Dibromochloromethane	9.58	129	73466	19.358	ug/l	100
61) 1,2-Dibromoethane	9.67	107	68702	19.516	ug/l	99
64) Tetrachloroethene	9.34	164	59642	20.090	ug/l	98
65) Chlorobenzene	10.14	112	169769	19.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	65650	20.039	ug/l	98
67) Ethyl Benzene	10.25	91	291753	20.131	ug/l	95
68) m/p-Xylenes	10.36	106	227909	40.633	ug/l	90
69) o-Xylene	10.69	106	111882	20.284	ug/l	90
70) Styrene	10.71	104	188363	19.649	ug/l	96
71) Bromoform	10.85	173	60305	19.840	ug/l #	99
73) Isopropylbenzene	11.02	105	293591	20.063	ug/l	96
74) N-amyl acetate	10.90	43	114783	19.658	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	100889	20.365	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	84951m	20.534	ug/l	
77) Bromobenzene	11.26	156	78822	19.692	ug/l	83
78) n-propylbenzene	11.36	91	320177	19.479	ug/l	95
79) 2-Chlorotoluene	11.42	91	190866	19.525	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	243473	19.886	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	37799	19.597	ug/l #	83
82) 4-Chlorotoluene	11.51	91	219353	19.405	ug/l	92
83) tert-Butylbenzene	11.77	119	246805	19.930	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	245339	19.770	ug/l	95
85) sec-Butylbenzene	11.94	105	284426	19.636	ug/l	96
86) p-Isopropyltoluene	12.06	119	263480	19.769	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	137353	19.420	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	138748	19.917	ug/l	97
89) n-Butylbenzene	12.38	91	225719	19.546	ug/l	97
90) Hexachloroethane	12.59	117	51138	19.432	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	137225	20.039	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23667	20.812	ug/l	71

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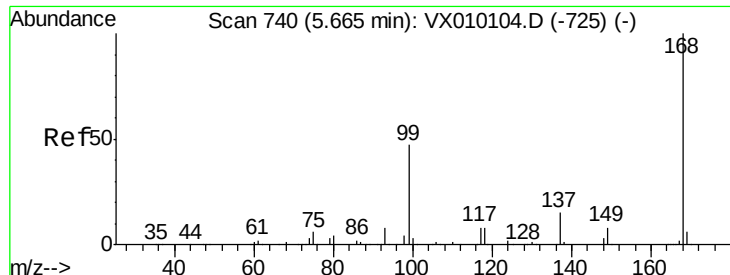
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96647	19.777	ug/l	99
94) Hexachlorobutadiene	13.78	225	42917	19.745	ug/l	99
95) Naphthalene	13.83	128	313108	19.864	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	96561	19.937	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 318411

Ion Ratio Lower Upper

168 100

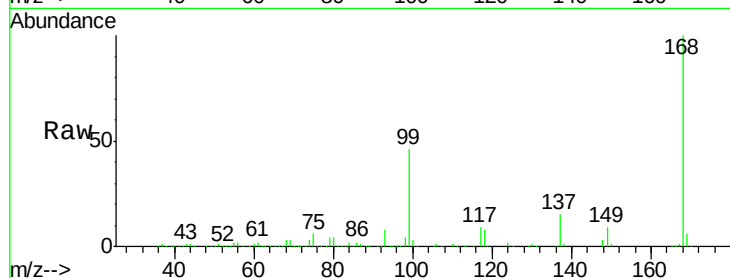
99 46.3 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

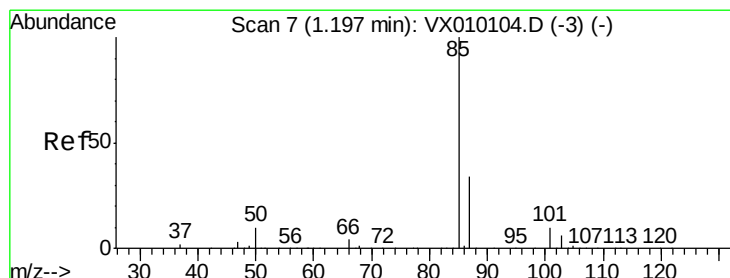
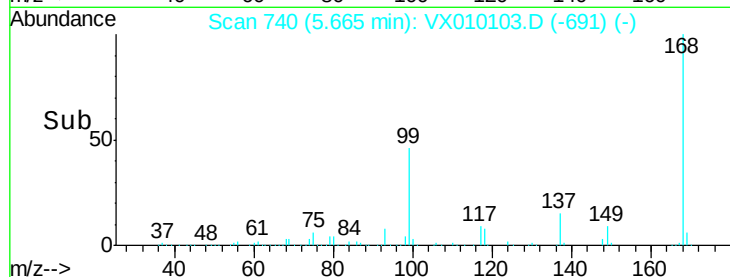
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.943 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010103.D

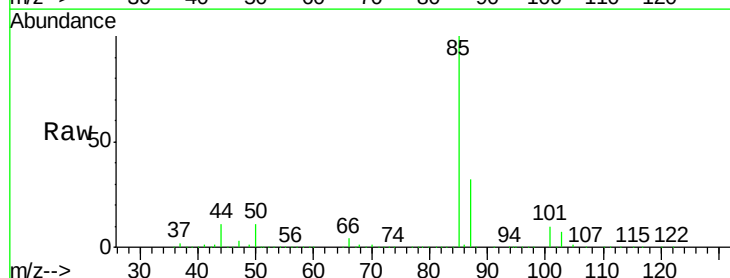
Acq: 07 Jun 2019 12:18

Tgt Ion: 85 Resp: 63050

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

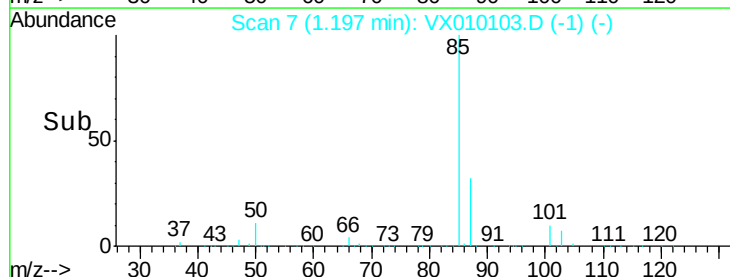
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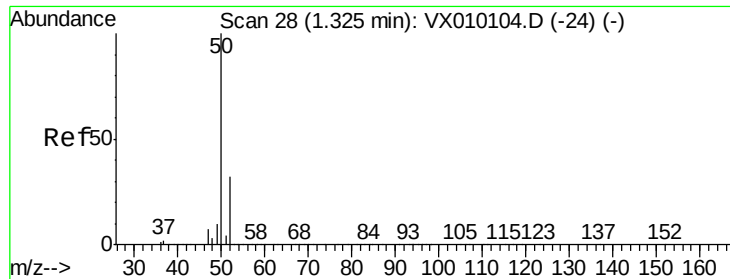
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.669 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 56920

Ion Ratio Lower Upper

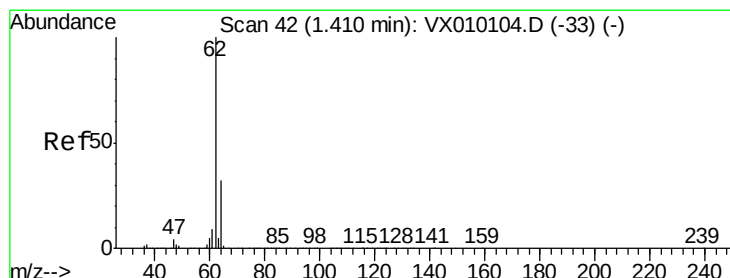
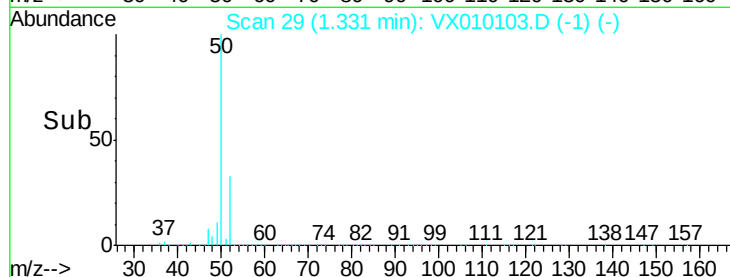
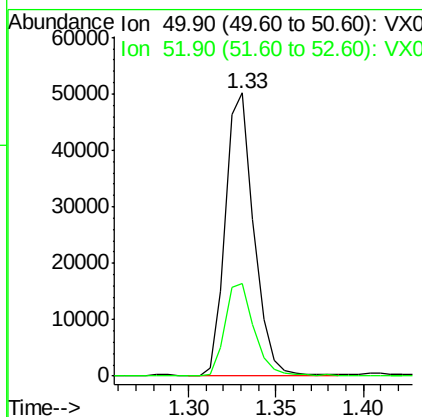
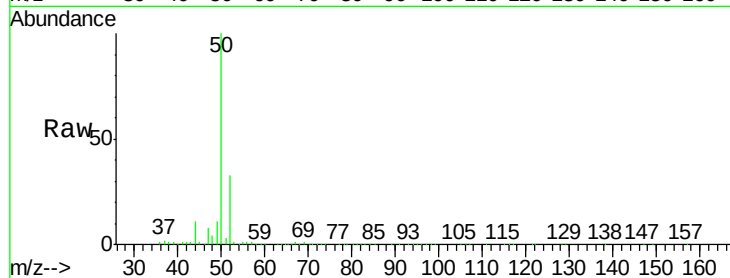
50 100

52 32.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.364 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010103.D

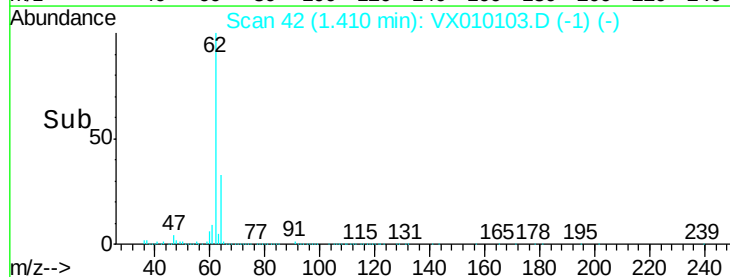
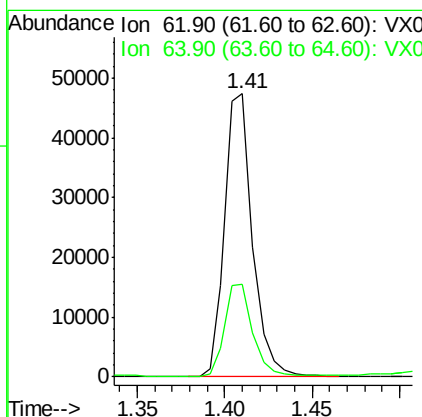
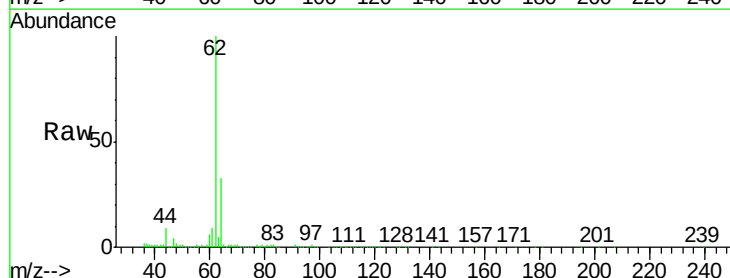
Acq: 07 Jun 2019 12:18

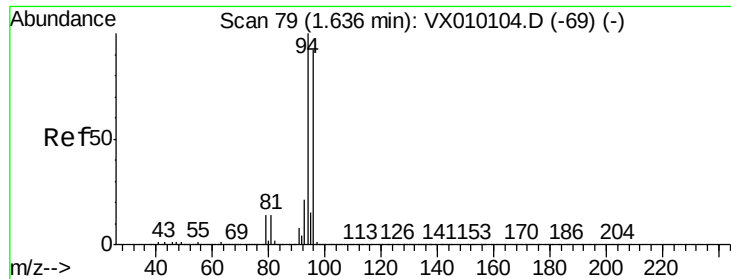
Tgt Ion: 62 Resp: 52667

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 24.190 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 24549

Ion Ratio Lower Upper

94 100

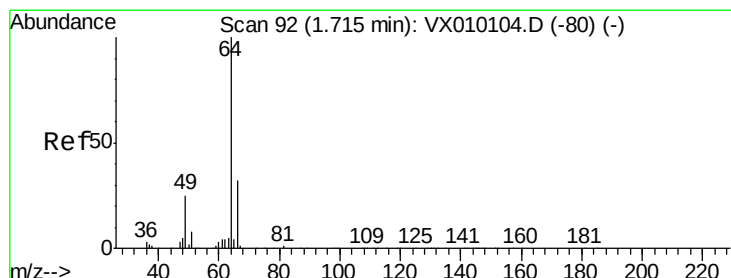
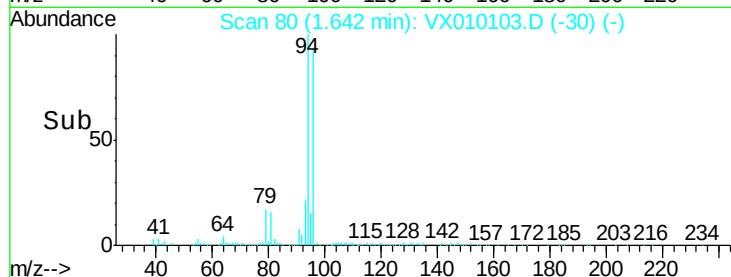
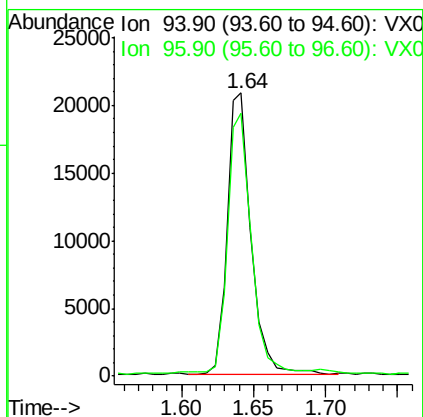
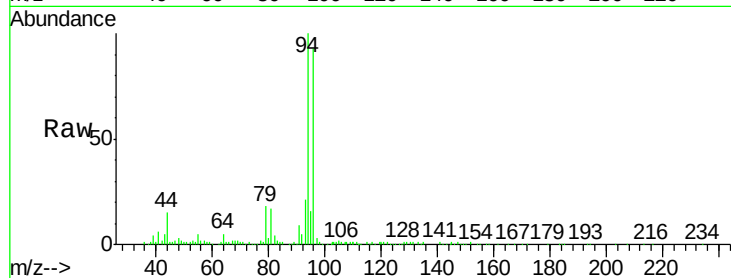
96 92.1 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 19.311 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010103.D

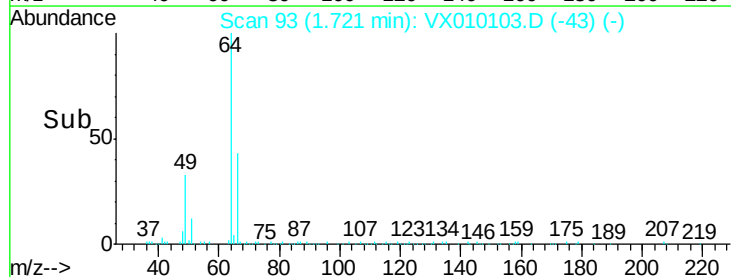
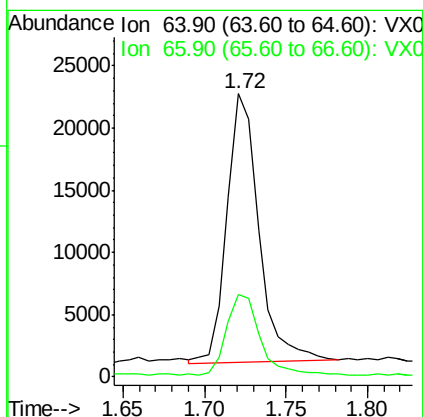
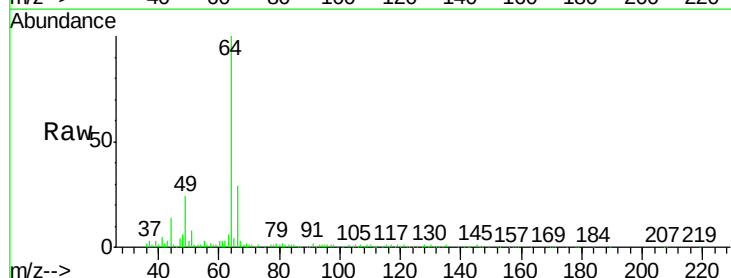
Acq: 07 Jun 2019 12:18

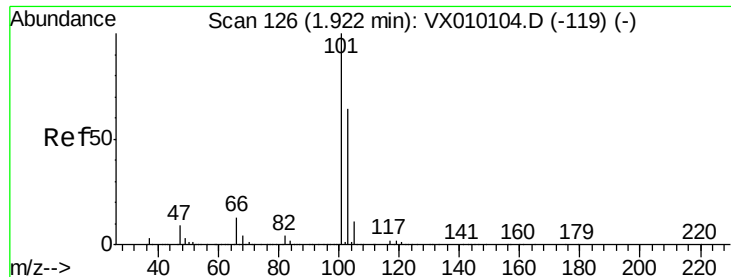
Tgt Ion: 64 Resp: 29326

Ion Ratio Lower Upper

64 100

66 30.1 25.1 37.7





#7

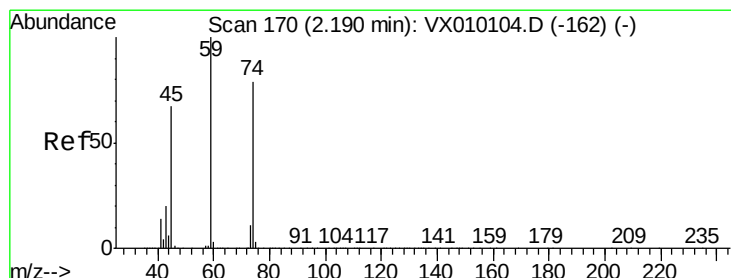
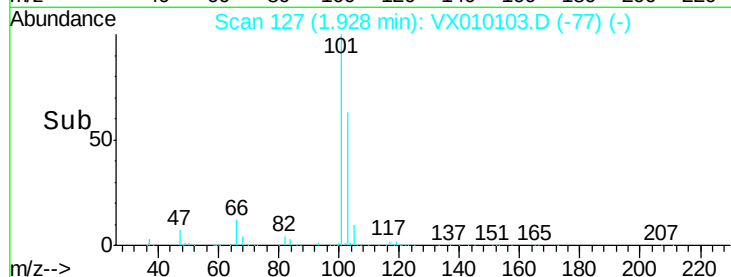
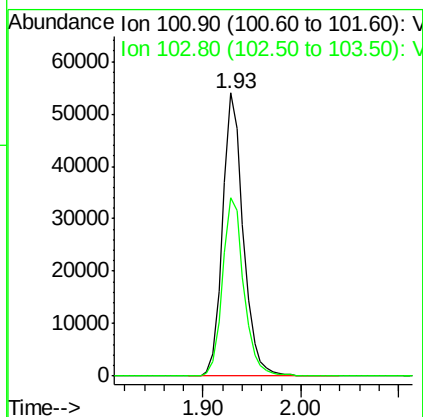
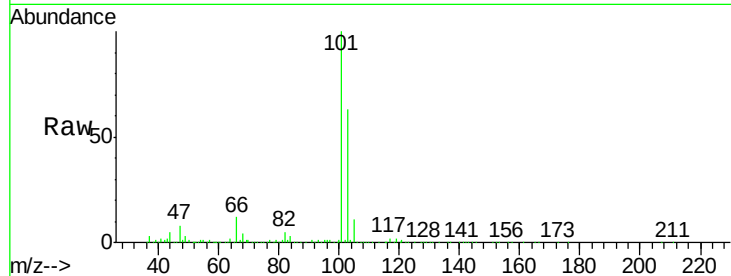
Trichlorofluoromethane
Concen: 19.829 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010103.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.2	78.4

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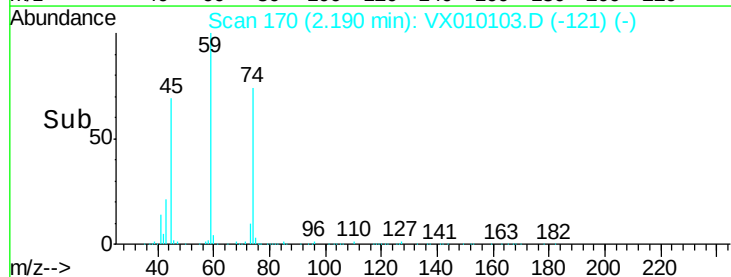
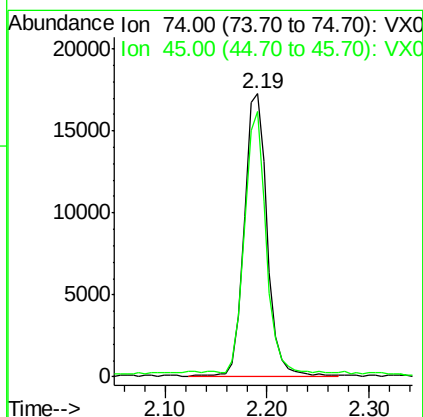
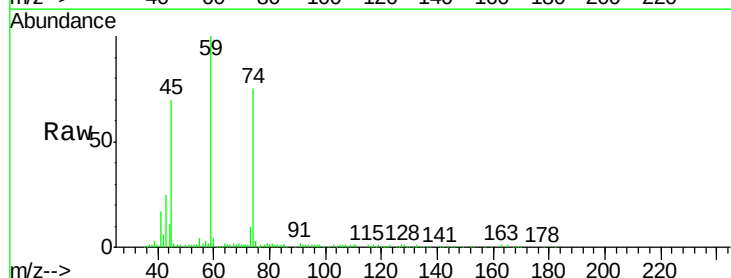
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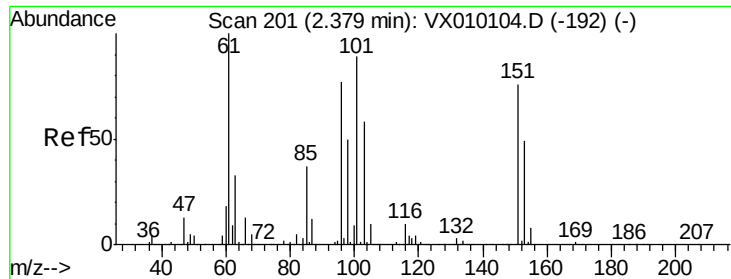


#8

Diethyl Ether
Concen: 20.094 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.9	56.1	168.3





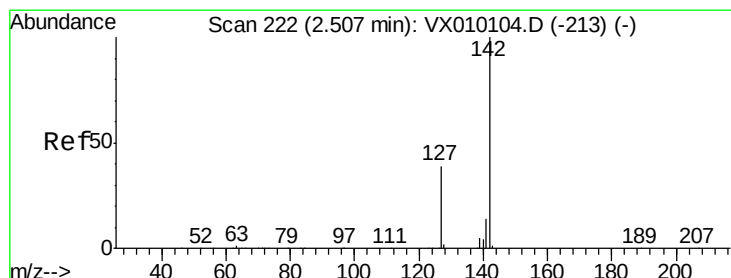
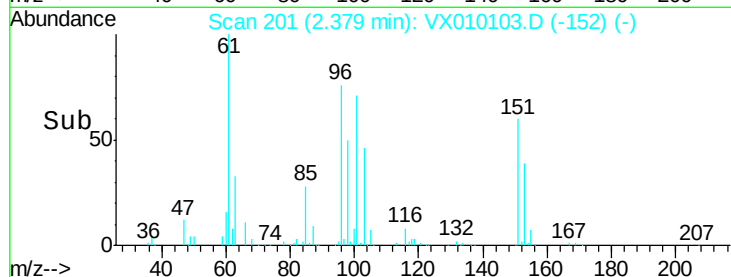
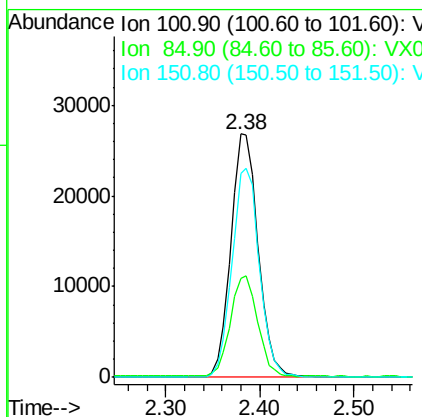
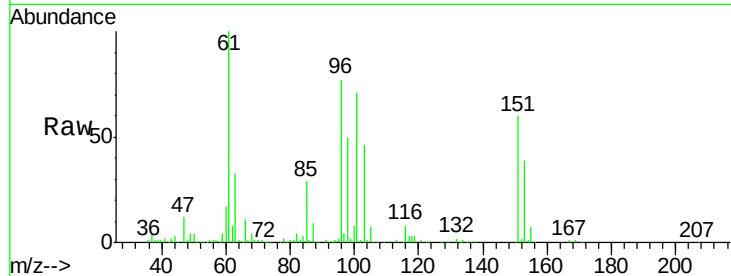
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.206 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX010103.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	40.5	35.2	52.8
151	86.2	61.9	92.9

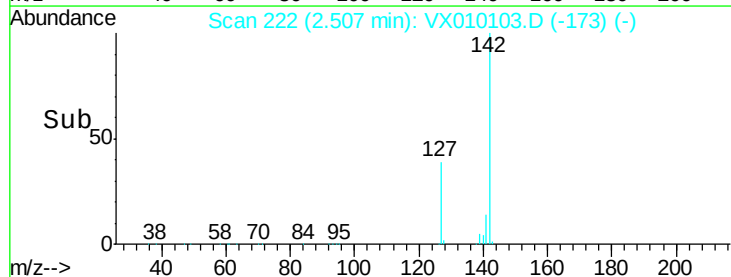
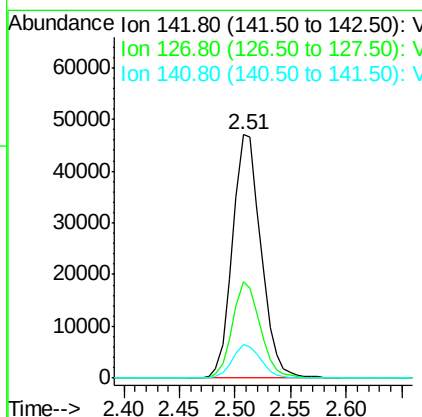
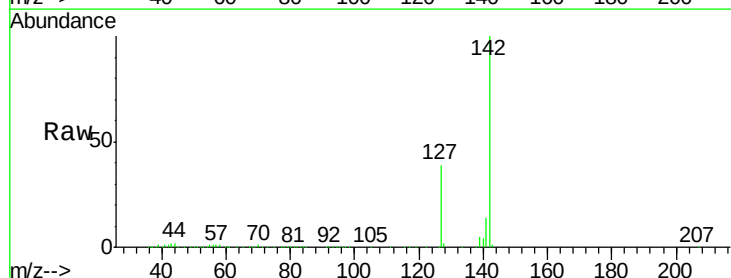
Manual Integrations
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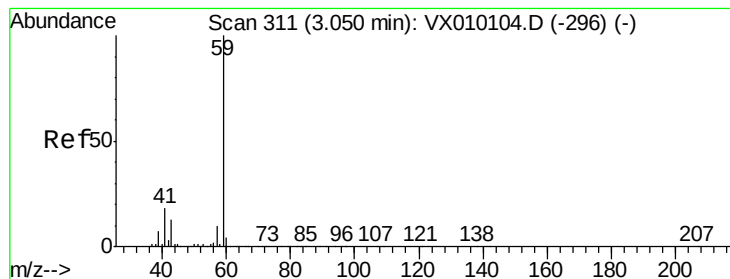
MMDadoda
6/10/2019 10:53:31 AM



#10
Methyl Iodide
Concen: 18.987 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.6	33.0	49.4
141	13.8	11.4	17.0





#11

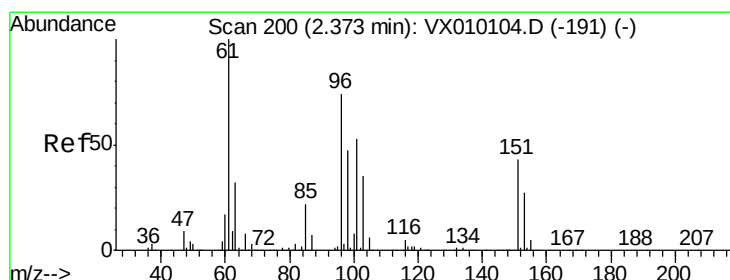
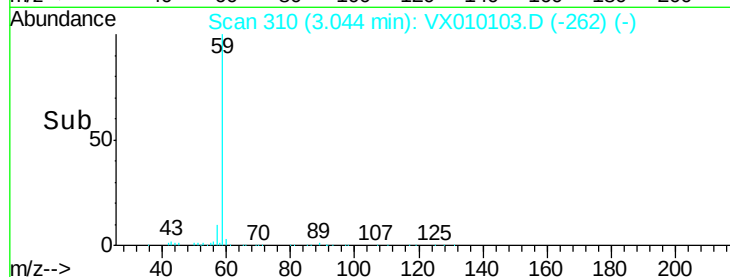
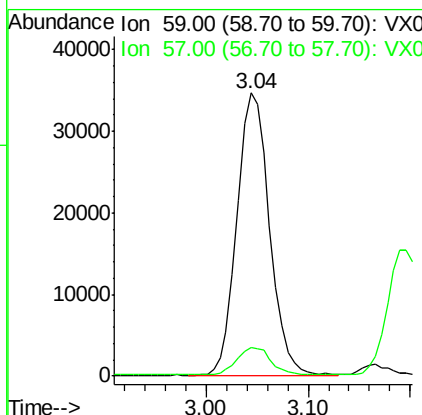
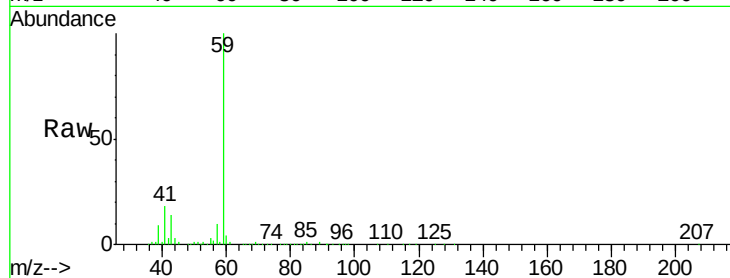
Tert butyl alcohol
Concen: 101.904 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	100	9.6	Resp:	76667	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	9.6	Resp:	76667	Lower	8.2	Upper	12.2

Manual Integrations
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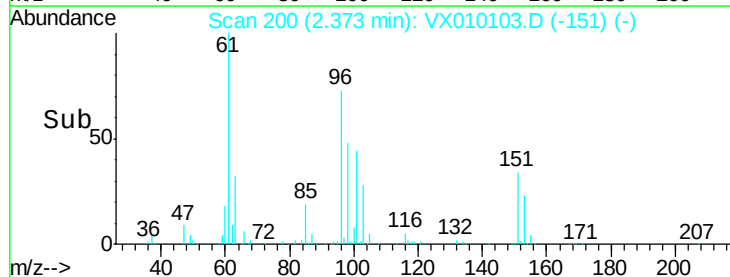
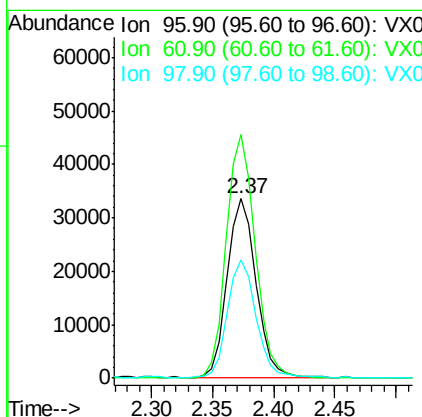
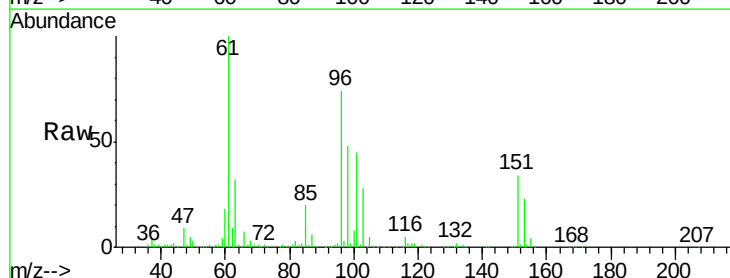
MMDadoda
6/10/2019 10:53:31 AM

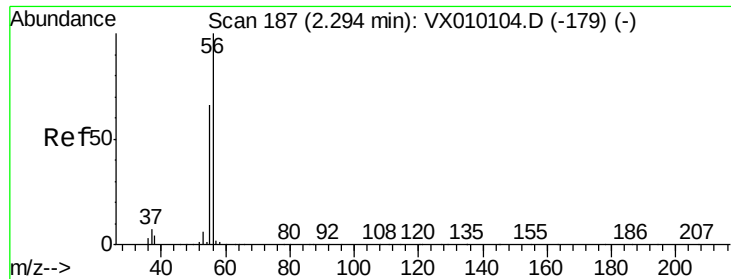


#12

1,1-Dichloroethene
Concen: 19.663 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	96	61	98	Ratio	100	136.2	65.5	Resp:	54364	Lower	140.7	50.1	Upper	211.1#	75.1
Ion	96	61	98	Ratio	100	136.2	65.5	Resp:	54364	Lower	140.7	50.1	Upper	211.1#	75.1





#13

Acrolein

Concen: 87.843 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 13287

Ion Ratio Lower Upper

56 100

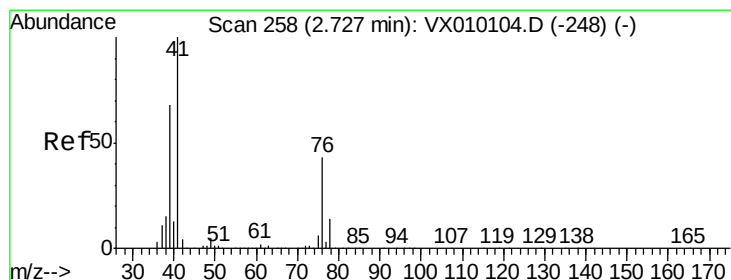
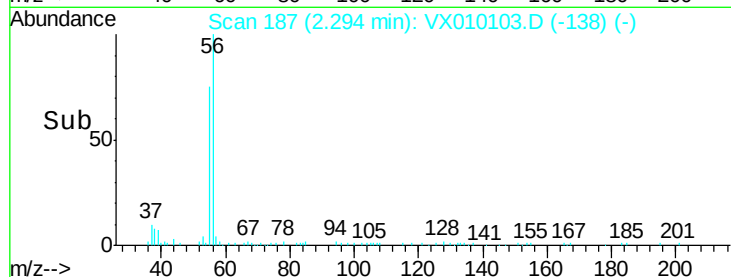
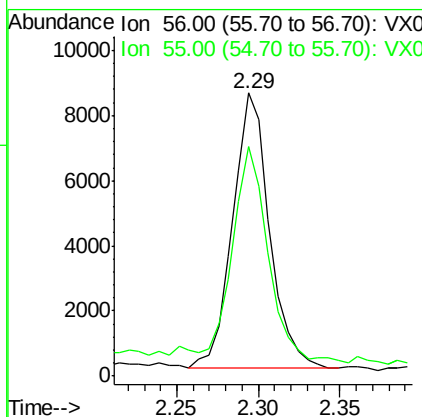
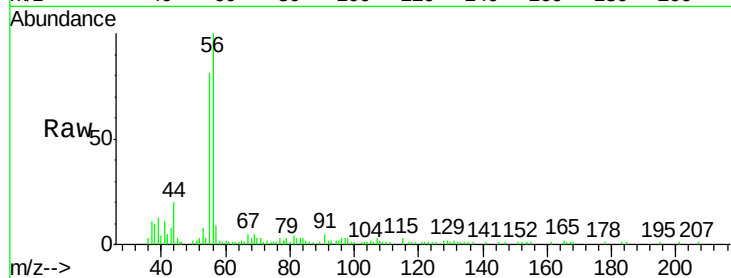
55 76.3 57.0 85.4

Manual Integrations

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MMDadoda

6/10/2019 10:53:31 AM



#14

Allyl chloride

Concen: 19.664 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

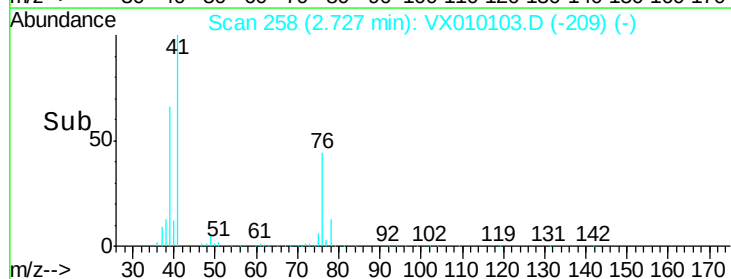
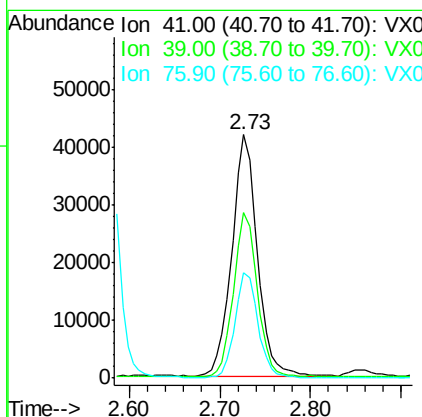
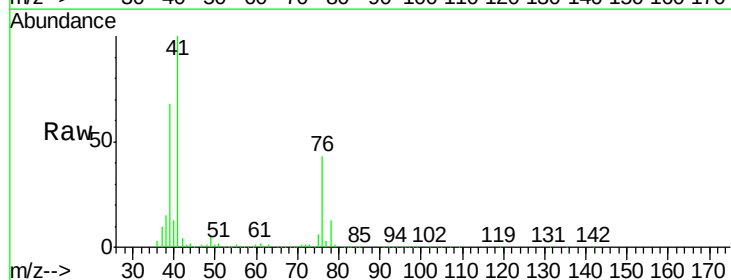
Tgt Ion: 41 Resp: 81544

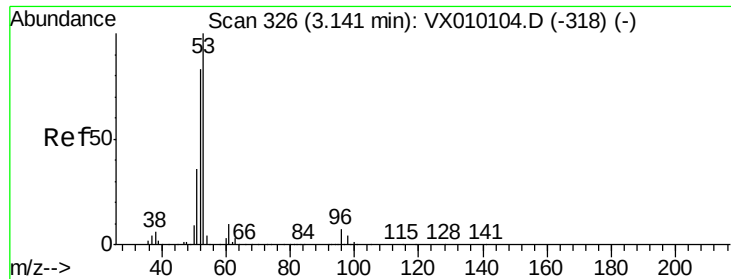
Ion Ratio Lower Upper

41 100

39 63.8 46.7 70.1

76 39.4 21.0 31.4#





#15

Acrylonitrile

Concen: 99.005 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

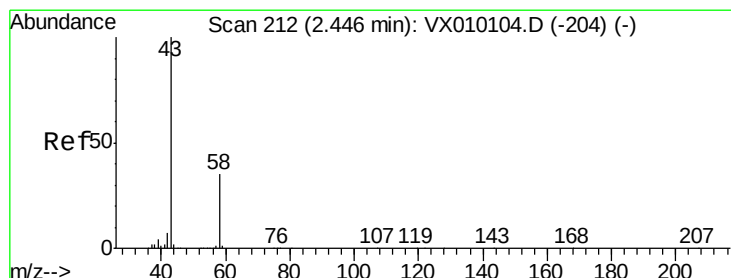
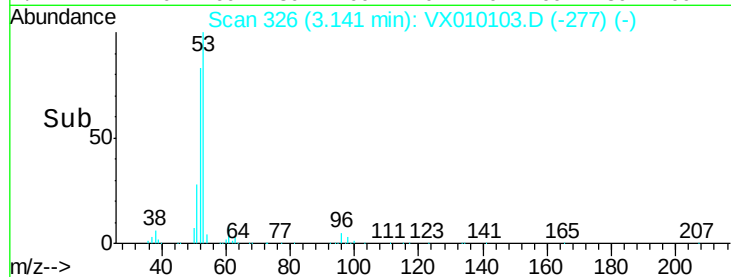
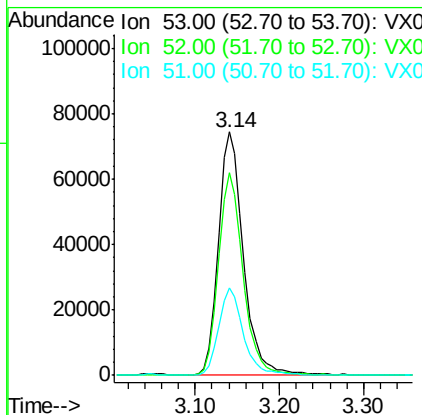
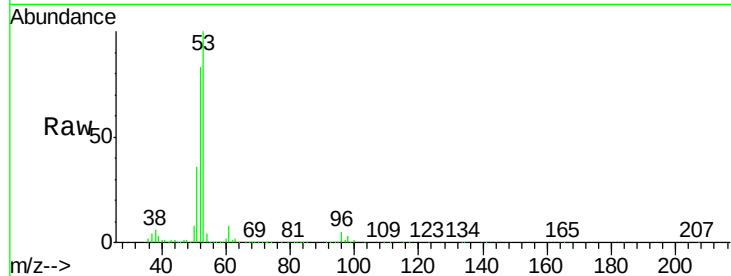
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	151049
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	35.6	28.8	43.2

Manual Integrations
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MMDadoda
6/10/2019 10:53:31 AM



#16

Acetone

Concen: 101.756 ug/l

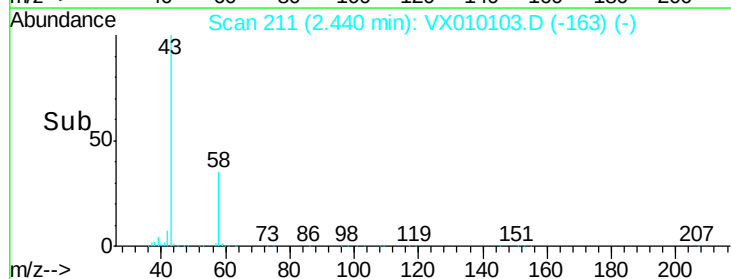
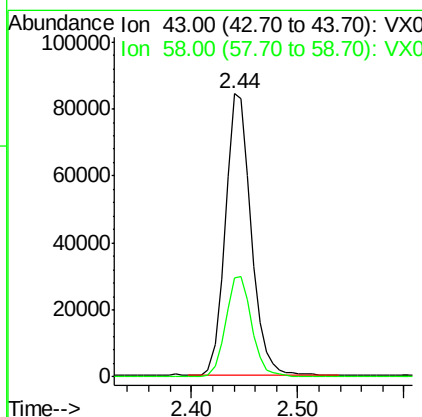
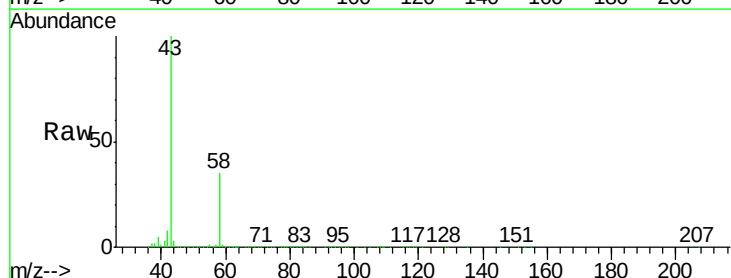
RT: 2.44 min Scan# 211

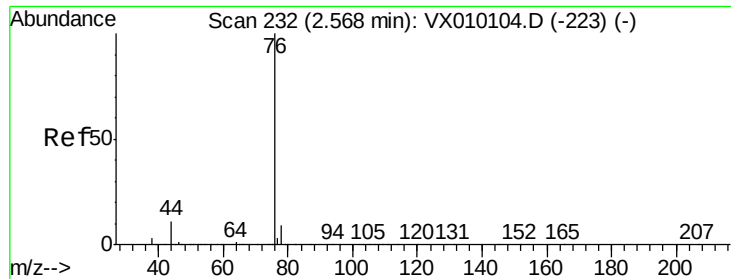
Delta R.T. -0.01 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion:	43	Resp:	143019
Ion	Ratio	Lower	Upper
43	100		
58	35.0	23.2	34.8#





#17

Carbon Disulfide

Concen: 19.887 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 154801

Ion Ratio Lower Upper

76 100

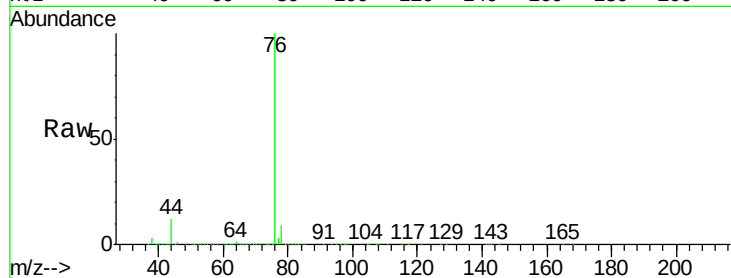
78 8.6 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

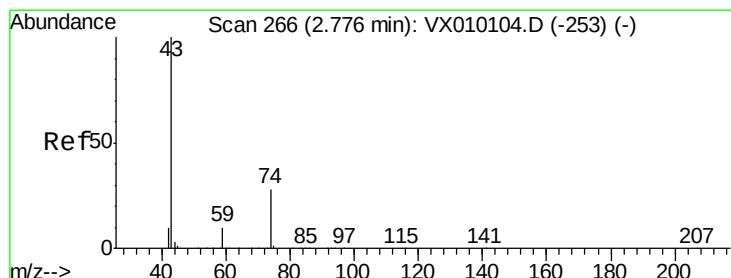
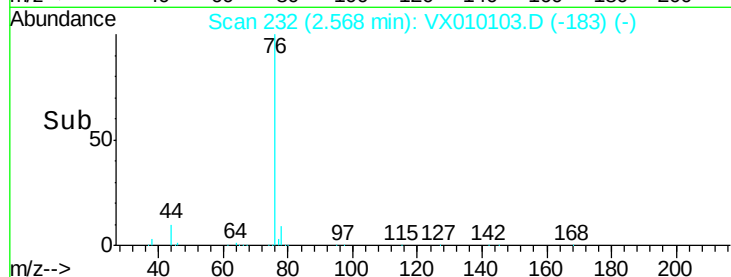
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.984 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010103.D

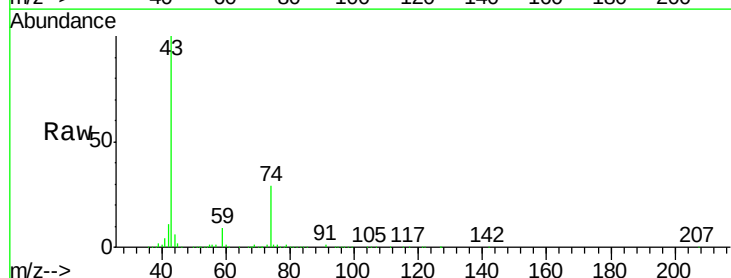
Acq: 07 Jun 2019 12:18

Tgt Ion: 43 Resp: 60398

Ion Ratio Lower Upper

43 100

74 27.9 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

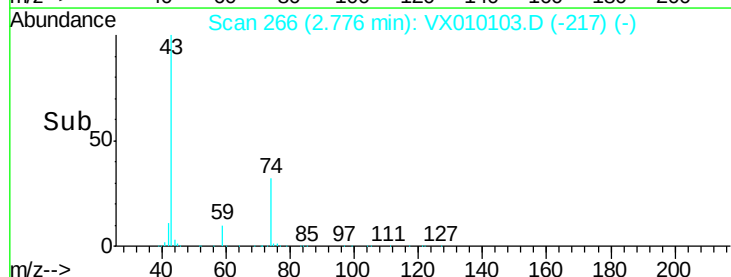
30000

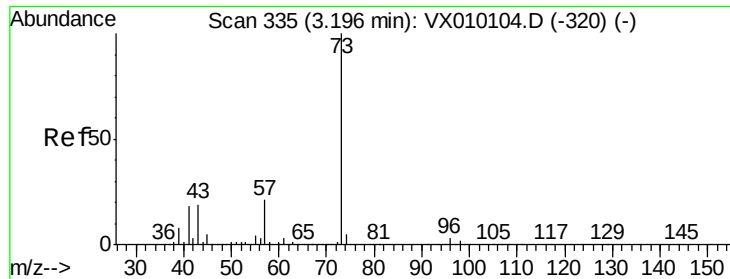
20000

10000

0

Time-->





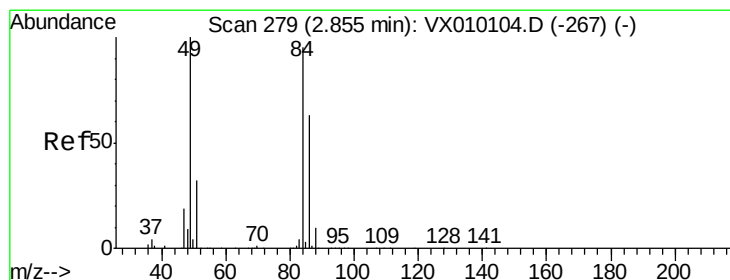
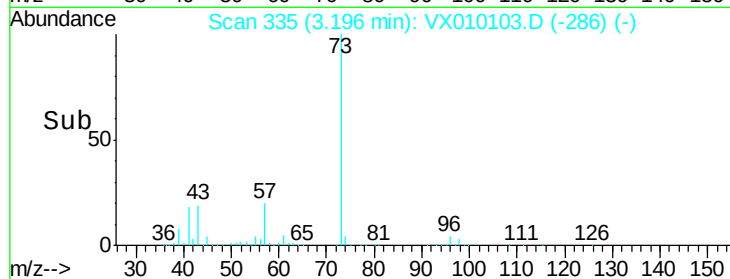
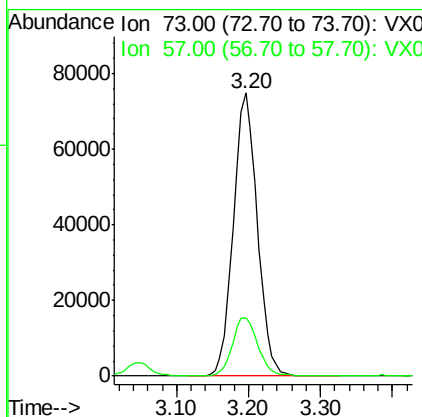
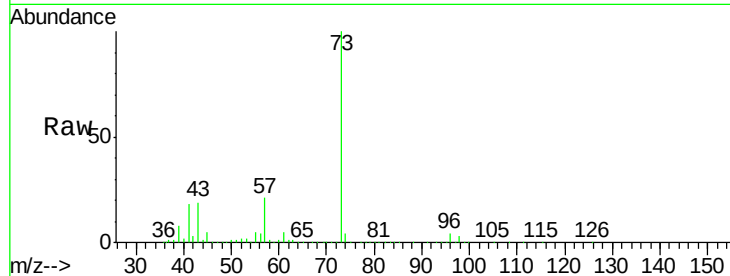
#19
Methyl tert-butyl Ether
Concen: 19.604 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	19.4	29.2

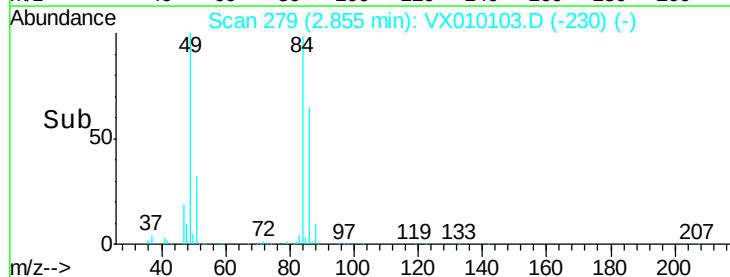
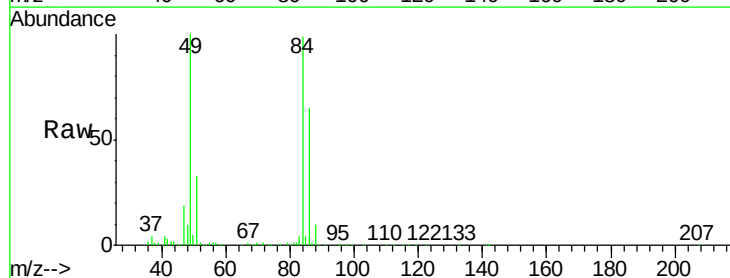
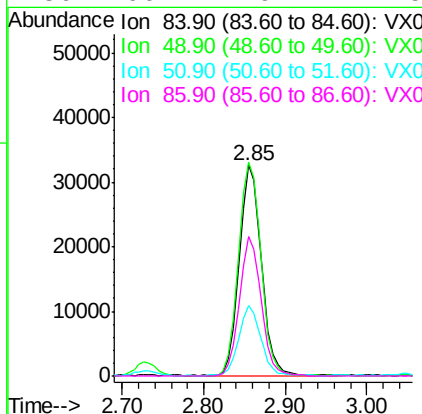
Manual Integrations
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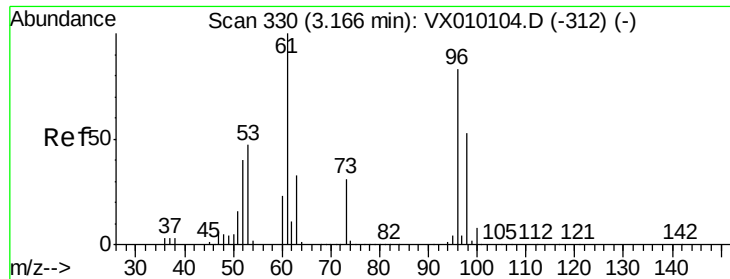
MMDadoda
6/10/2019 10:53:31 AM



#20
Methylene Chloride
Concen: 19.915 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	101.4	115.8	173.6#
51	32.9	34.4	51.6#
86	66.2	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 19.482 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 58218

Ion Ratio Lower Upper

96 100

61 118.5 125.7 188.5#

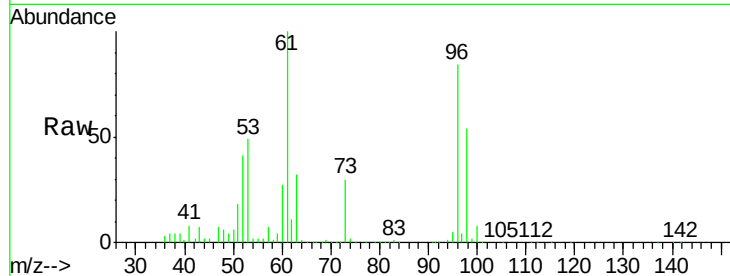
98 64.0 49.0 73.6

Manual Integrations

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MMDadoda

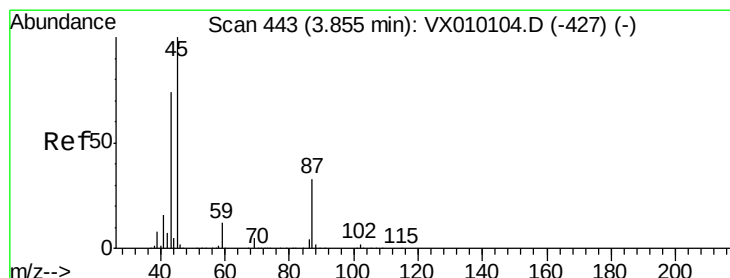
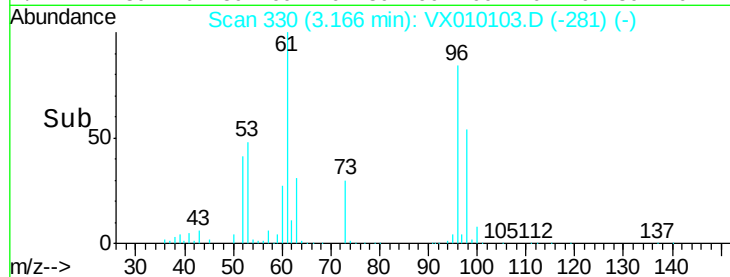
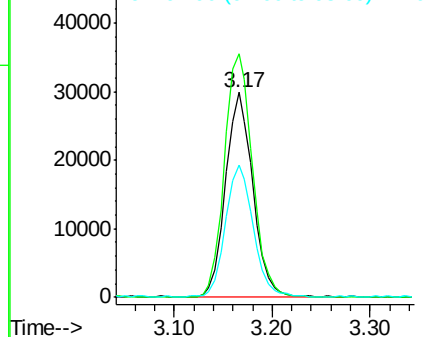
6/10/2019 10:53:31 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.533 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion: 45 Resp: 158919

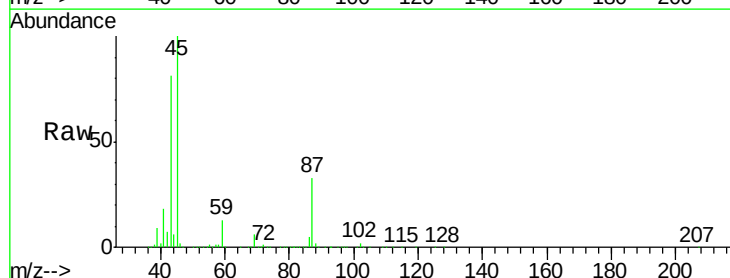
Ion Ratio Lower Upper

45 100

43 80.0 65.0 97.4

87 33.1 17.3 25.9#

59 13.3 8.1 12.1#

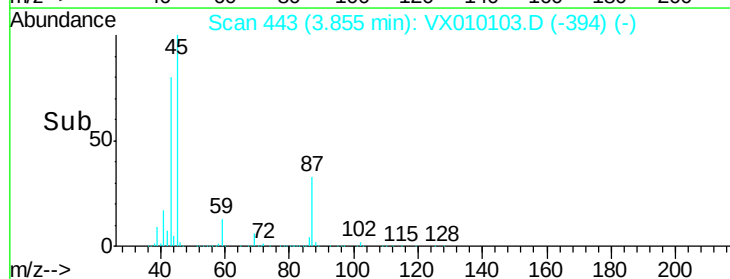
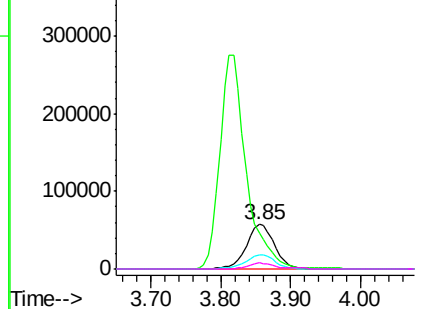


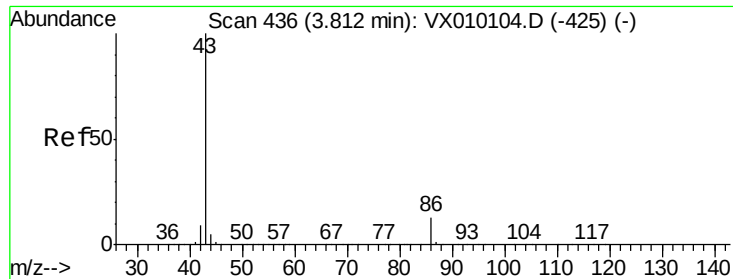
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.499 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 722240

Ion Ratio Lower Upper

43 100

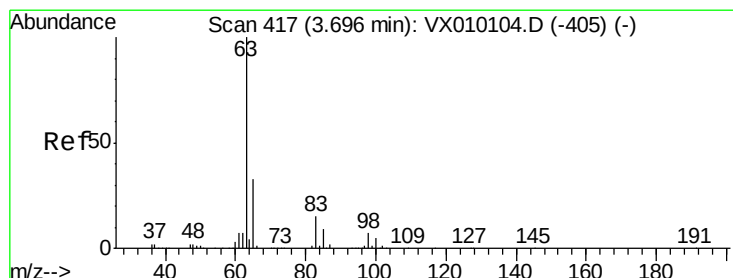
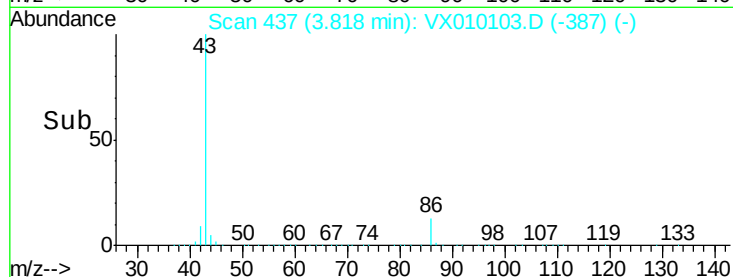
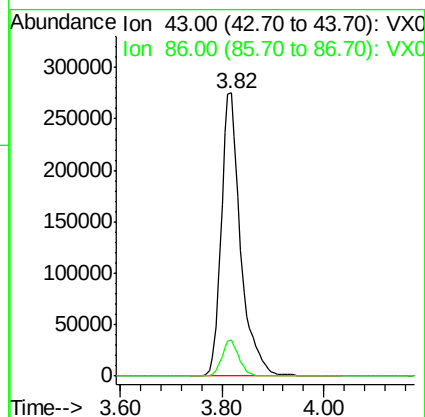
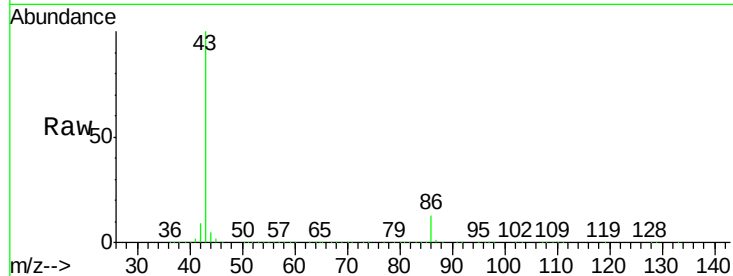
86 12.9 6.5 9.7#

Manual Integrations

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6/10/2019 10:53:31 AM



#24

1,1-Dichloroethane

Concen: 19.757 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

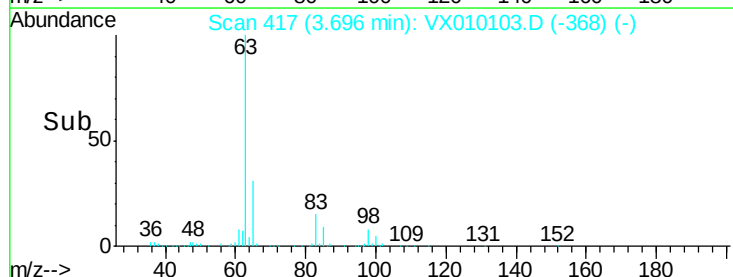
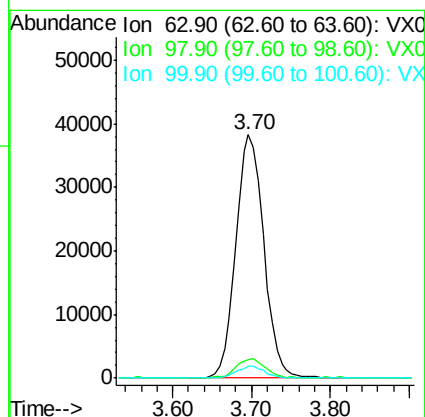
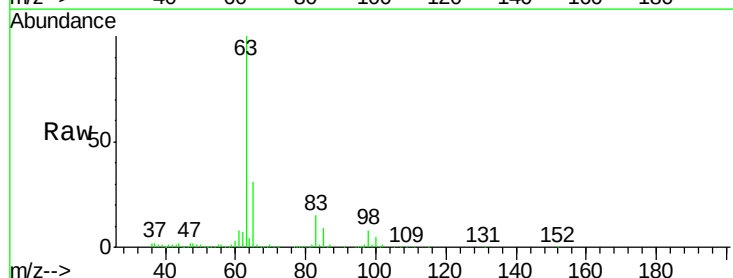
Tgt Ion: 63 Resp: 94564

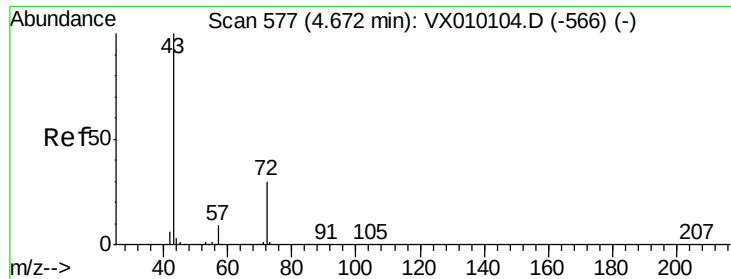
Ion Ratio Lower Upper

63 100

98 7.5 2.9 8.8

100 4.8 1.8 5.4





#25

2-Butanone

Concen: 100.412 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 215979

Ion Ratio Lower Upper

43 100

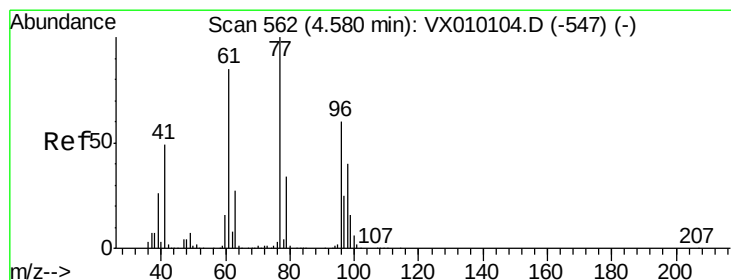
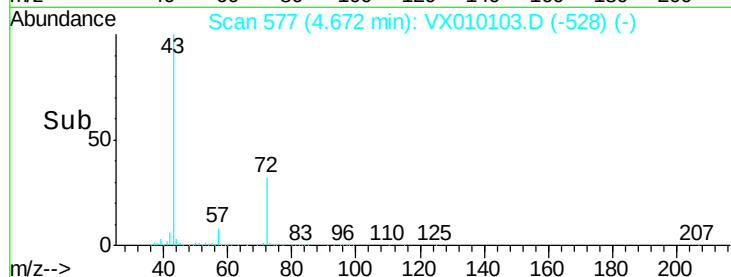
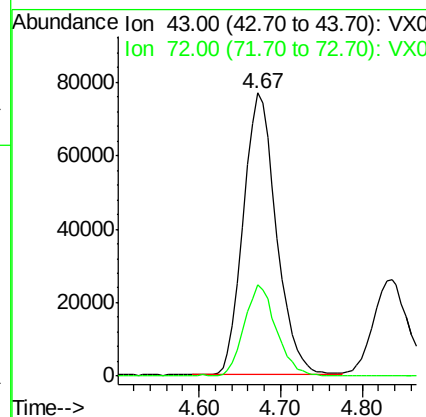
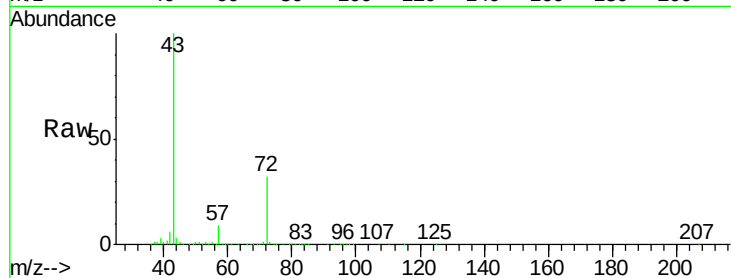
72 32.0 17.5 26.3#

Manual Integrations

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MMDadoda

6/10/2019 10:53:31 AM



#26

2,2-Dichloropropane

Concen: 19.690 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010103.D

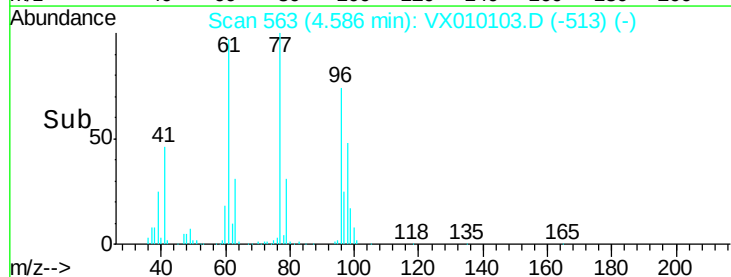
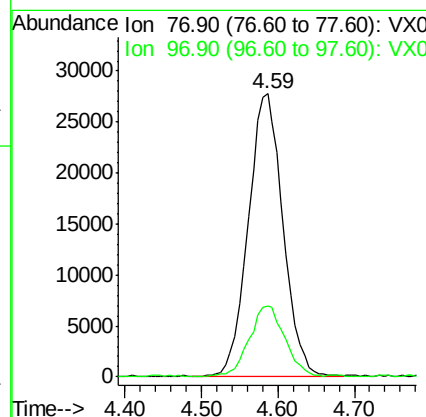
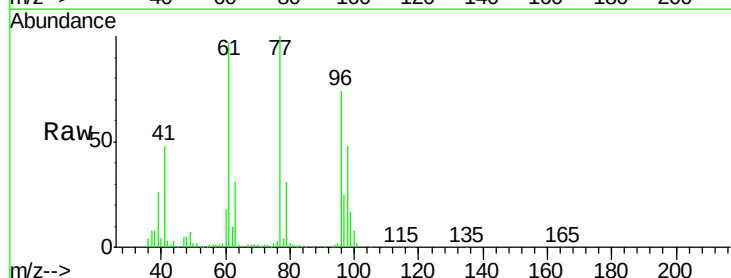
Acq: 07 Jun 2019 12:18

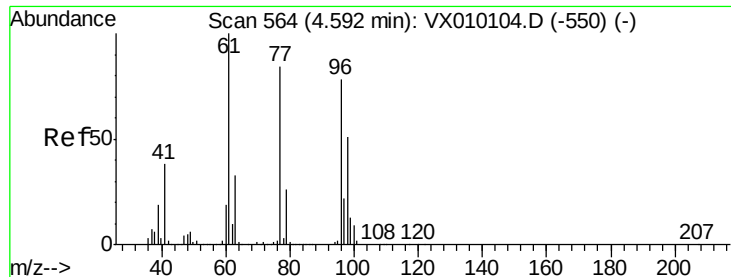
Tgt Ion: 77 Resp: 86751

Ion Ratio Lower Upper

77 100

97 25.7 11.4 34.2





#27

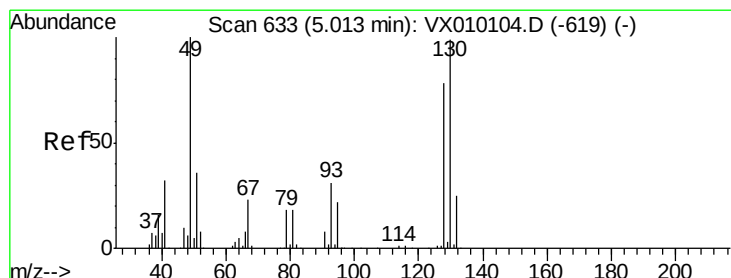
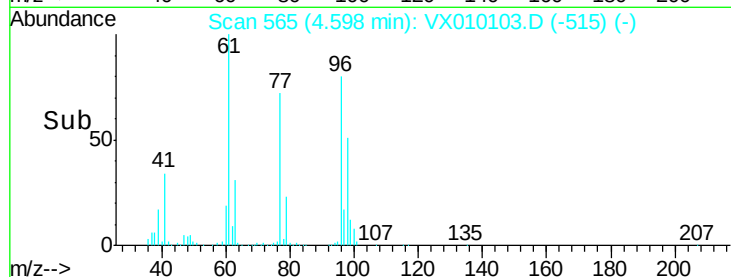
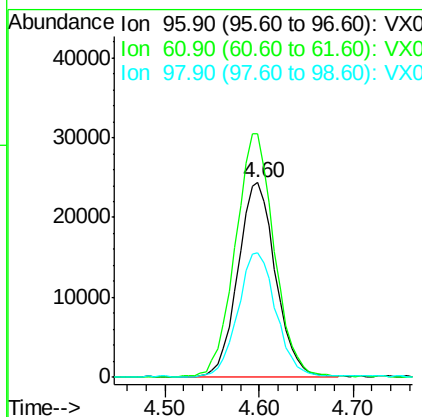
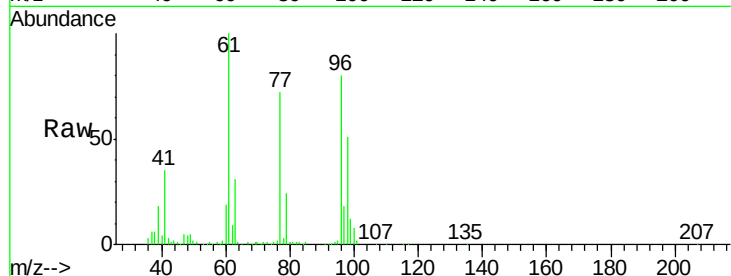
cis-1,2-Dichloroethene
Concen: 19.847 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	334.0
98	64.7	0.0	131.6

Manual Integrations
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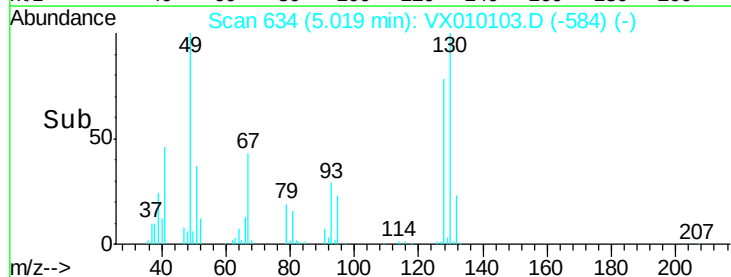
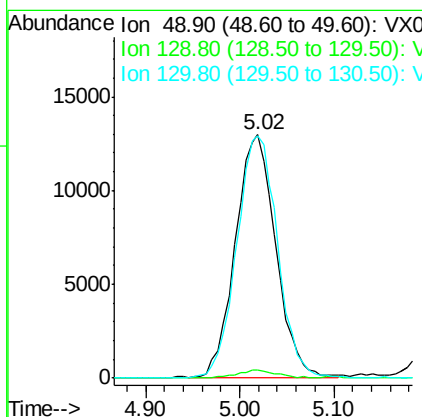
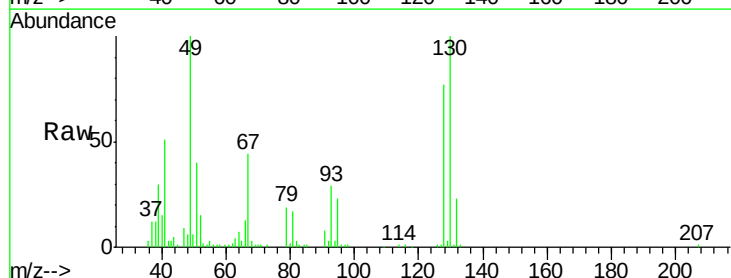
MMDadoda
6/10/2019 10:53:31 AM

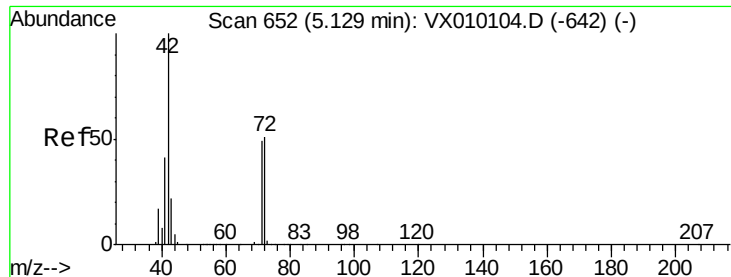


#28

Bromochloromethane
Concen: 18.073 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	3.4
130	100.3	49.4	74.2#





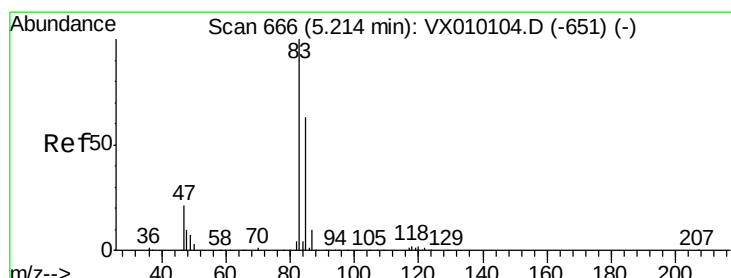
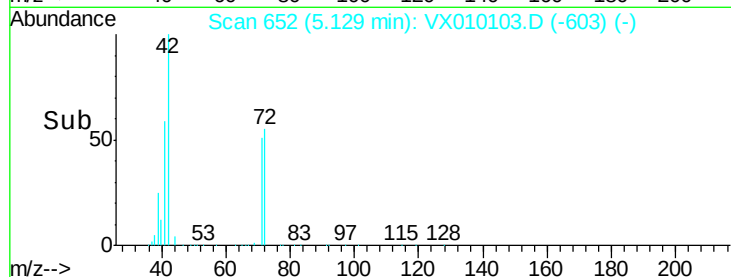
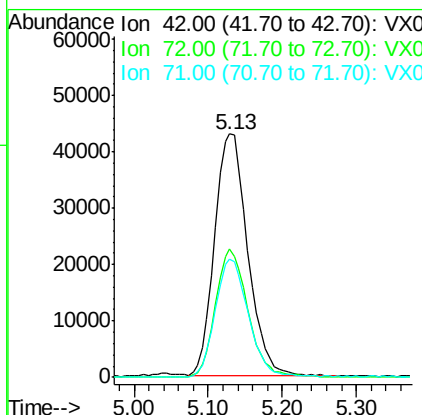
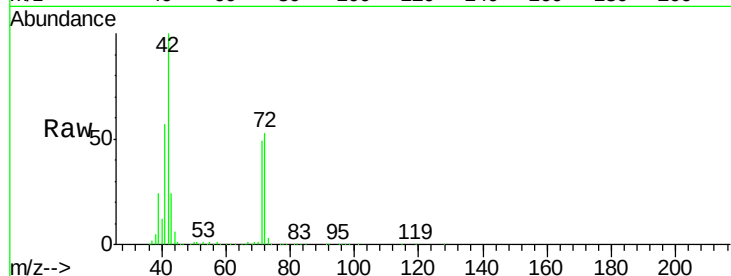
#29
Tetrahydrofuran
Concen: 100.267 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.0	29.2	43.8#
71	48.3	27.6	41.4#

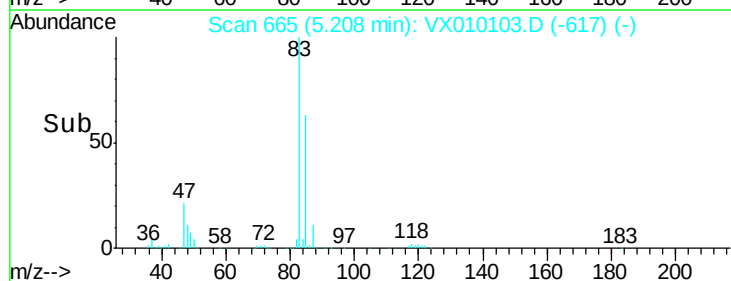
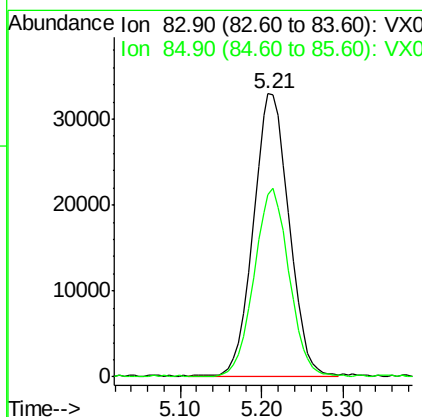
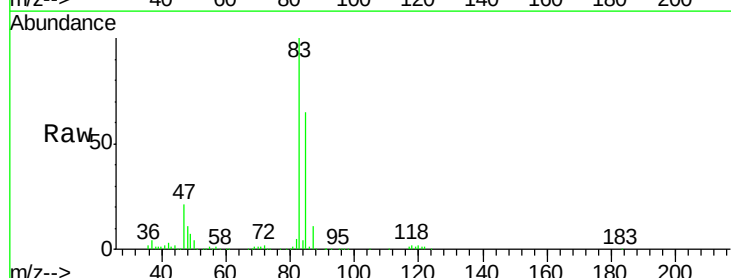
Manual Integrations
APPROVED

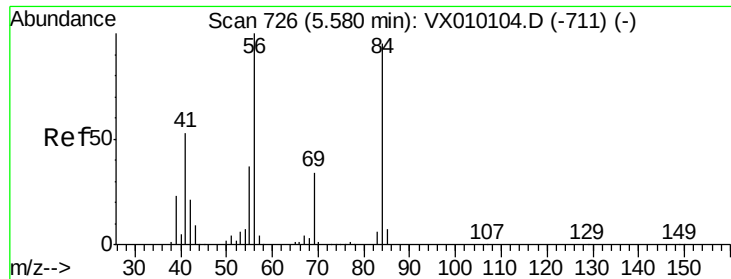
MMDadoda
6/10/2019 10:53:31 AM



#30
Chloroform
Concen: 19.713 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





#31

Cyclohexane

Concen: 19.929 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 89027

Ion Ratio Lower Upper

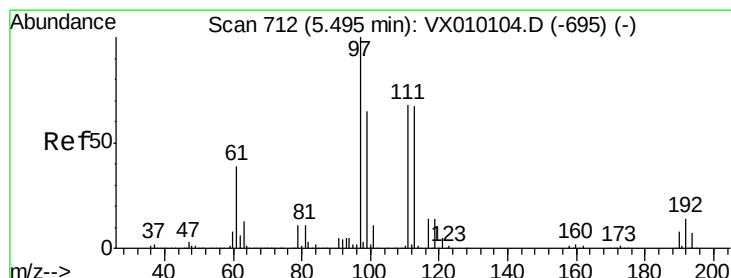
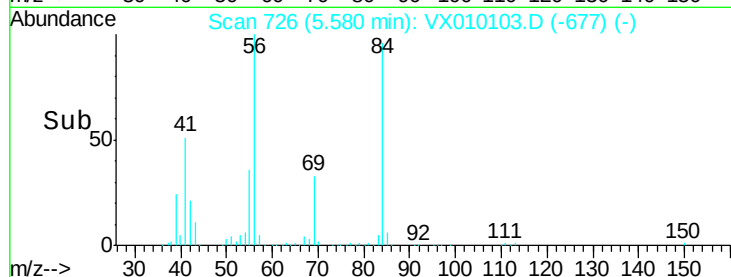
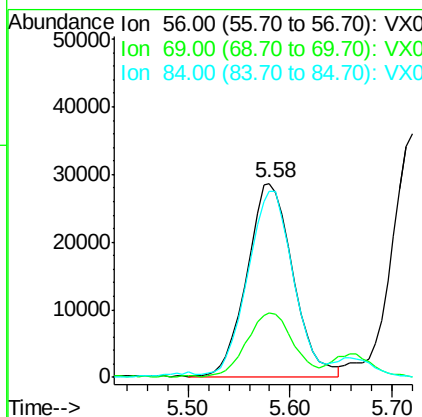
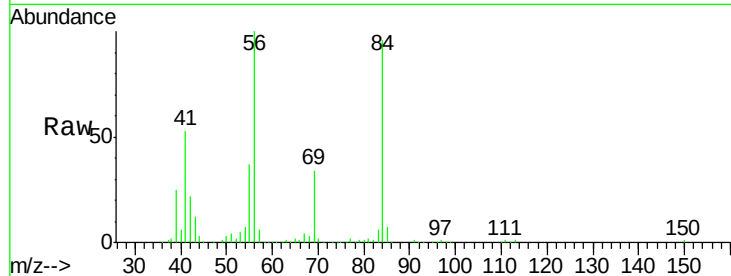
56 100

69 33.1 21.6 32.4#

84 94.0 56.8 85.2#

Manual Integrations
APPROVED

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6/10/2019 10:53:31 AM



#32

1,1,1-Trichloroethane

Concen: 20.007 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

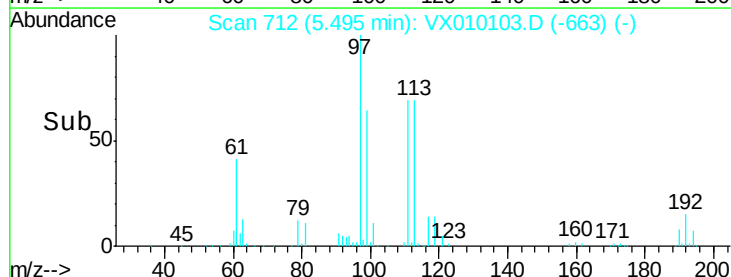
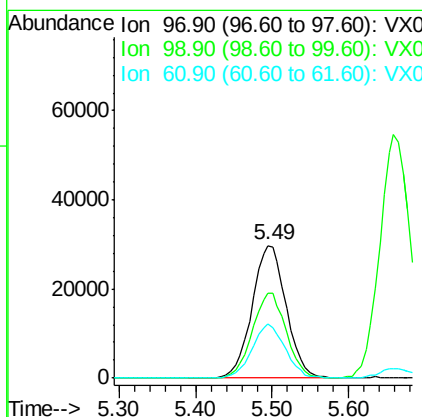
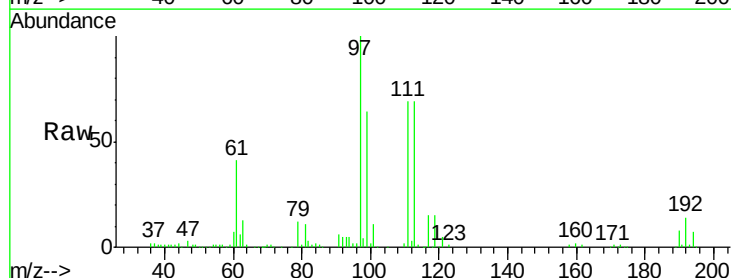
Tgt Ion: 97 Resp: 92420

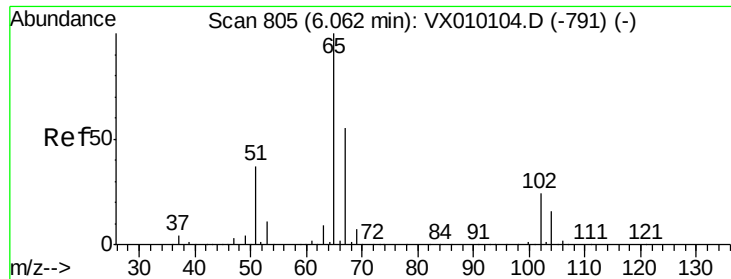
Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

61 39.7 38.7 58.1





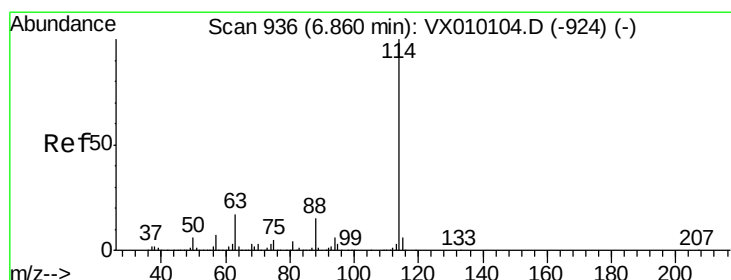
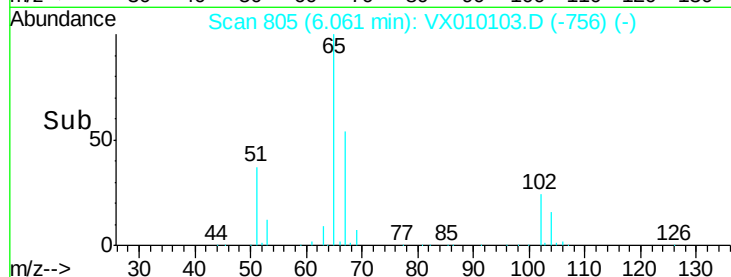
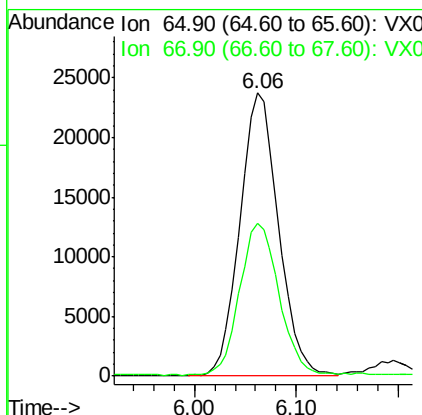
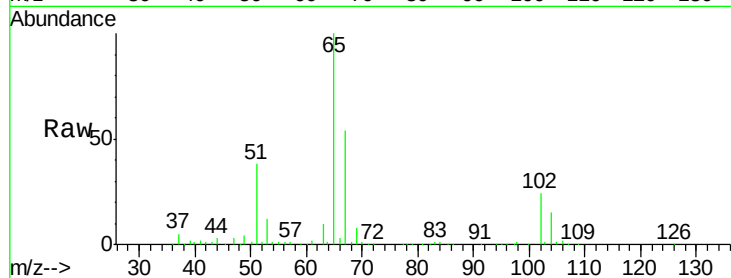
#33
 1,2-Dichloroethane-d4
 Concen: 20.801 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 62572
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4

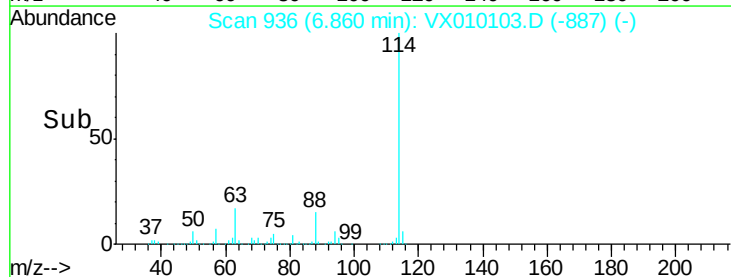
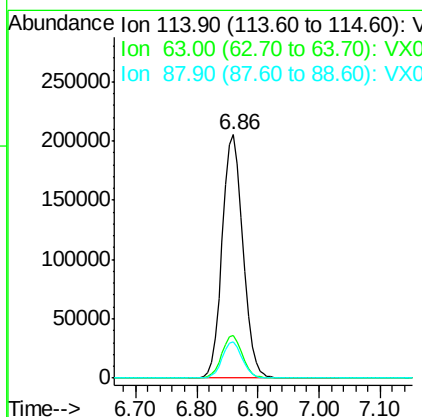
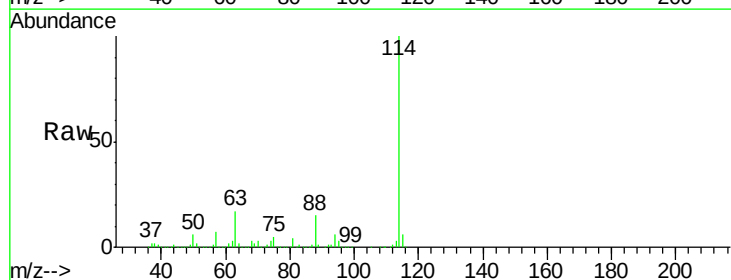
Manual Integrations
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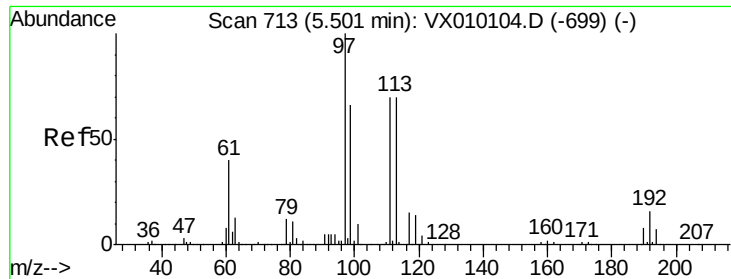
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Tgt Ion: 114 Resp: 481192
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 47.4
 88 14.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 20.824 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

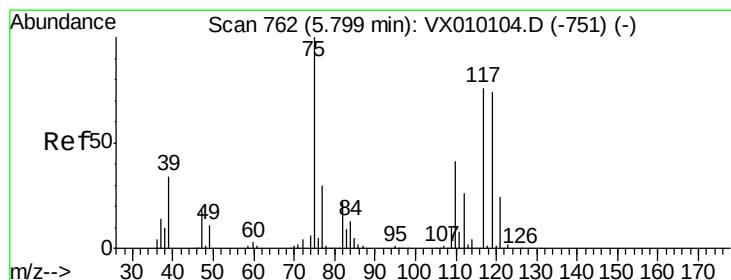
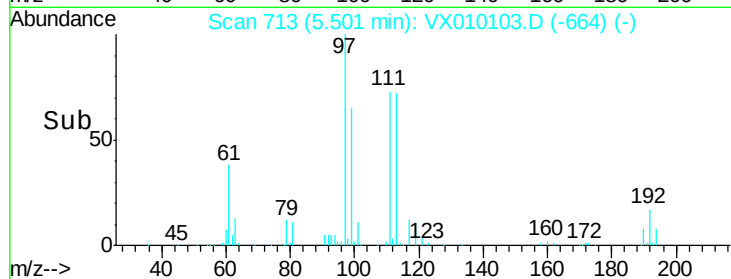
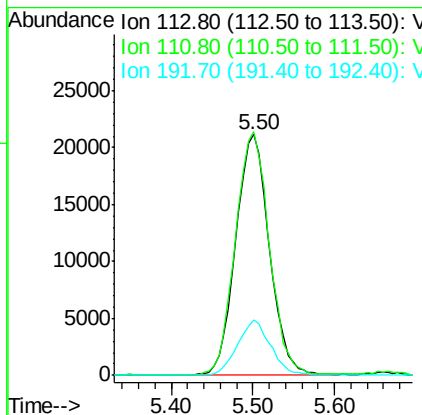
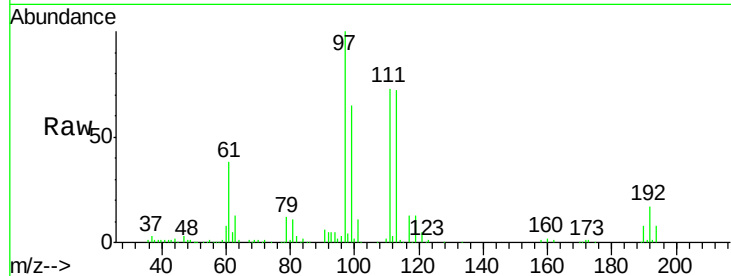
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	60609
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	22.3	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.798 ug/l

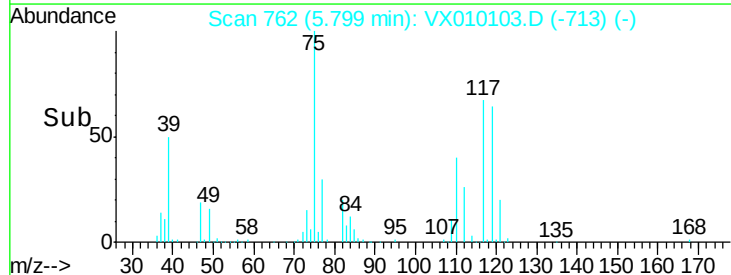
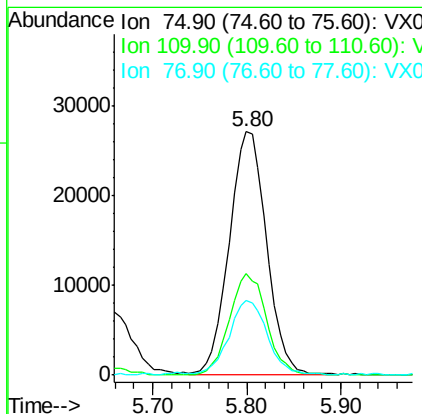
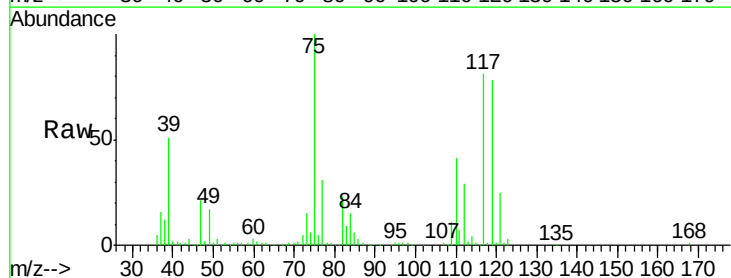
RT: 5.80 min Scan# 762

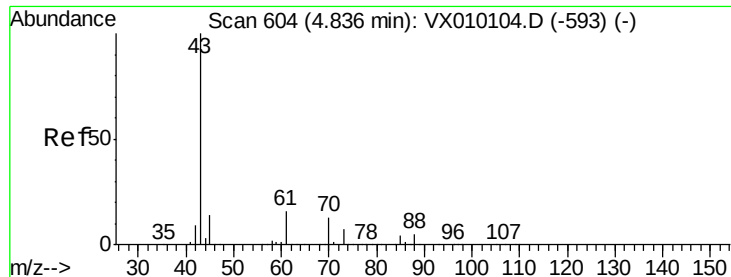
Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion:	75	Resp:	74417
Ion	Ratio	Lower	Upper
75	100		
110	41.8	16.7	50.1
77	30.8	25.0	37.4





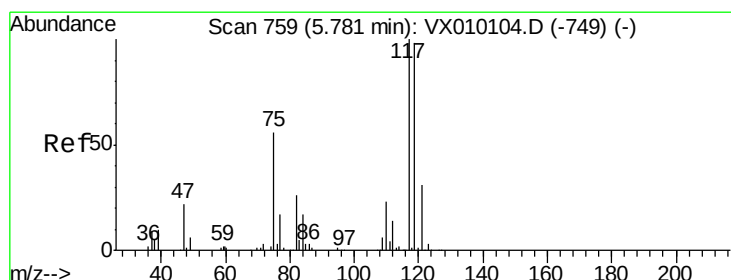
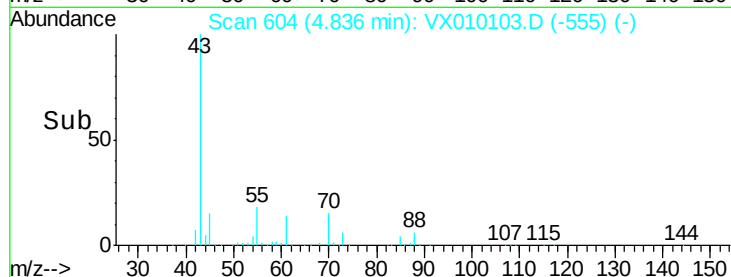
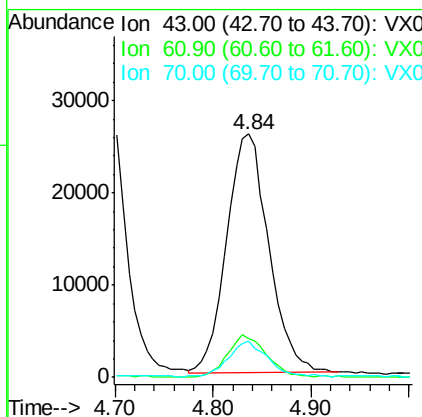
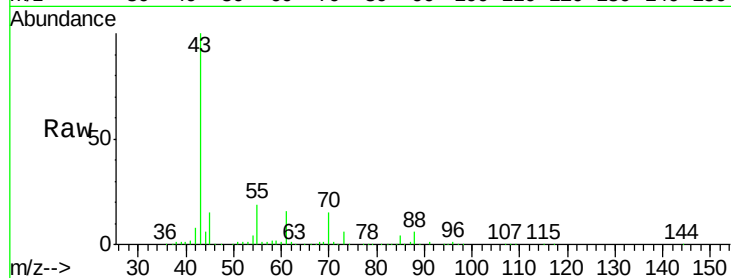
#37
Ethyl Acetate
Concen: 19.502 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	10.2	15.2#
70	13.6	7.4	11.2#

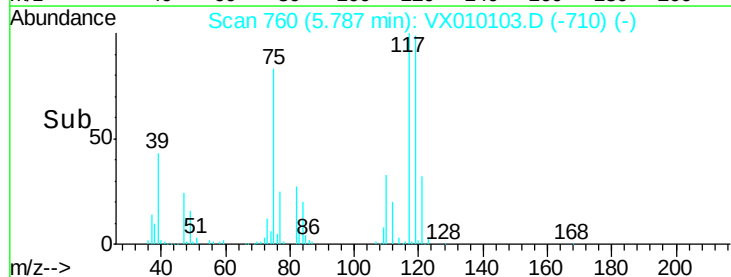
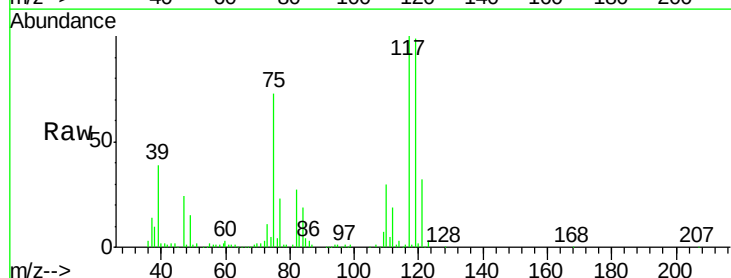
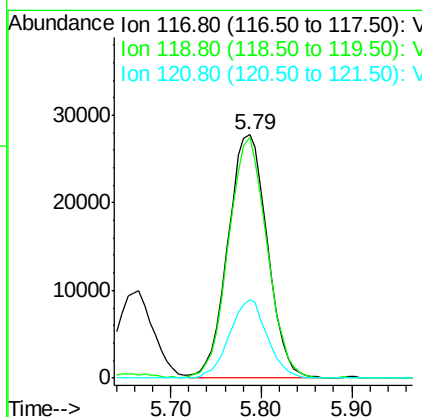
Manual Integrations
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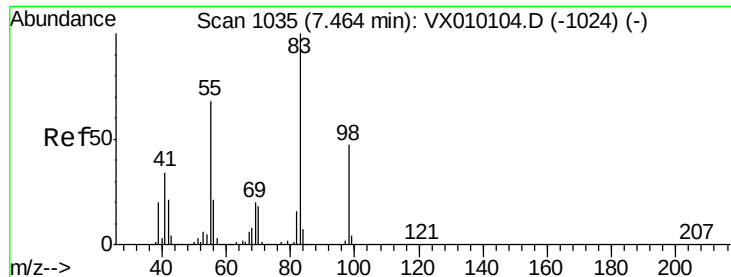
MMDadoda
6/10/2019 10:53:31 AM



#38
Carbon Tetrachloride
Concen: 19.610 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.3	115.9
121	32.4	25.4	38.0





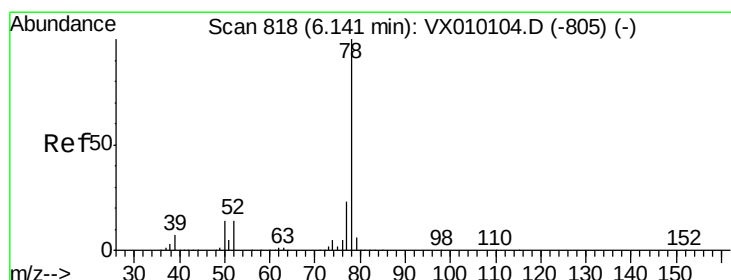
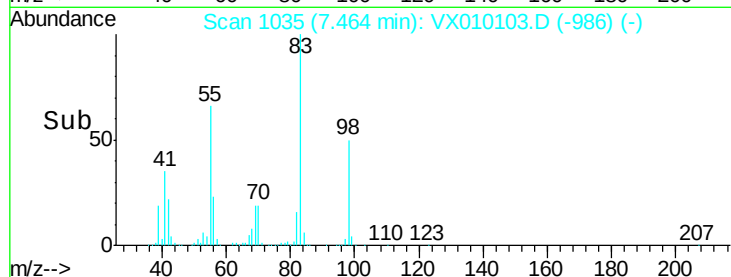
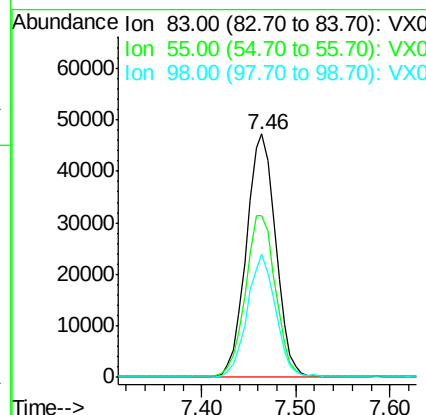
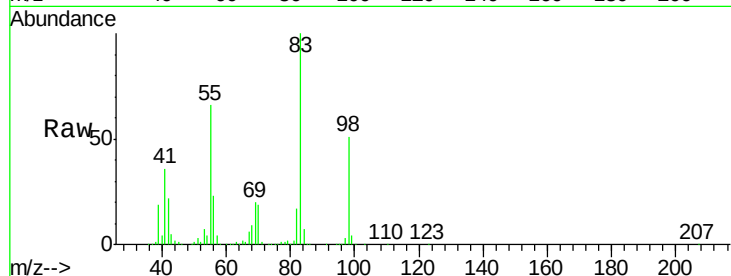
#39
Methylvlcyclohexane
Concen: 20.037 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.0	69.9	104.9#
98	50.5	35.1	52.7

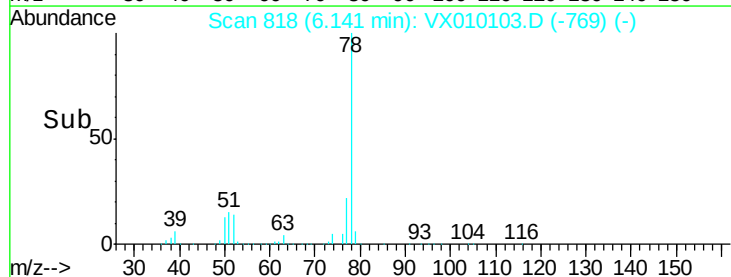
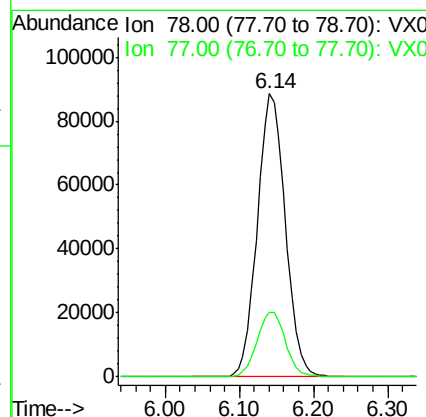
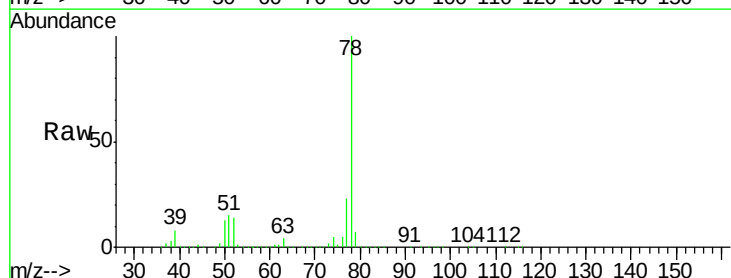
Manual Integrations
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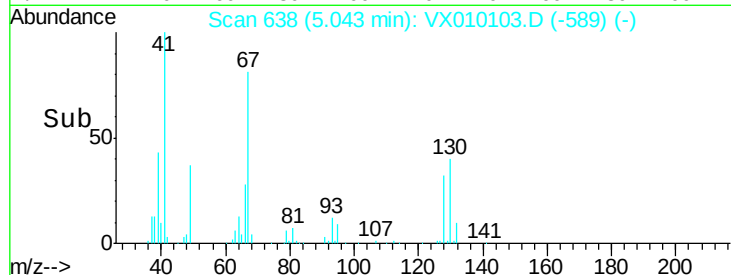
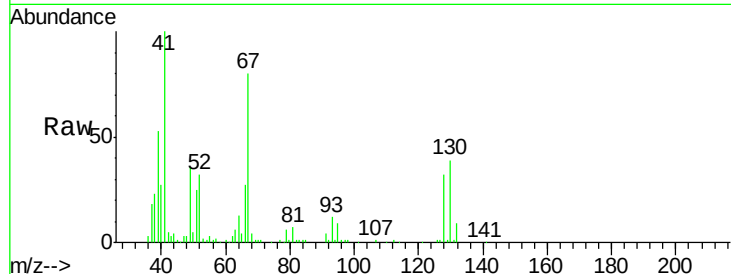
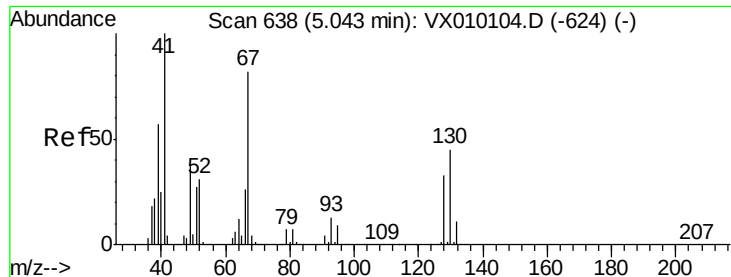
MMDadoda
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#40
Benzene
Concen: 19.764 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8





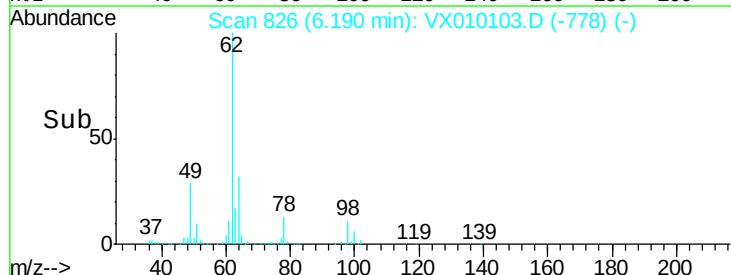
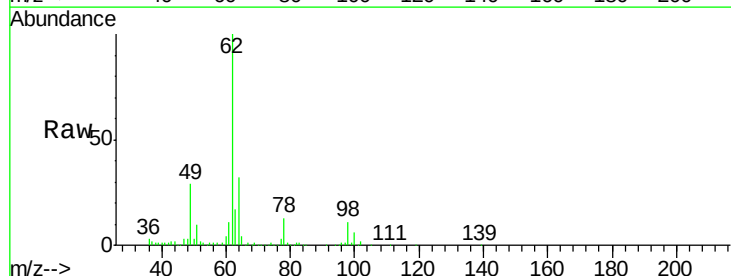
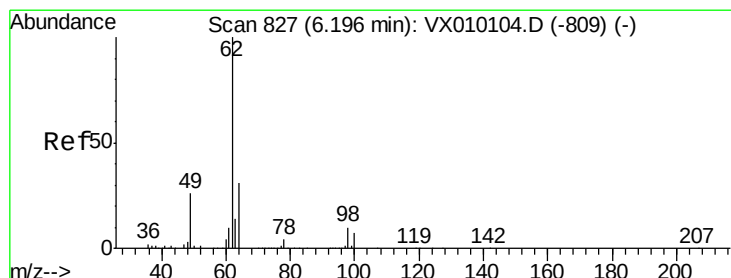
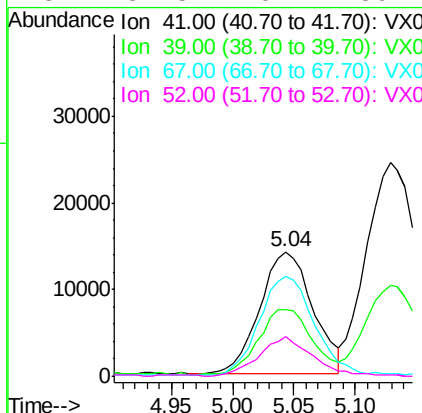
#41
Methacrylonitrile
Concen: 19.687 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.4	42.2	63.4		
67	83.4	48.9	73.3		
52	32.5	20.1	30.1		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

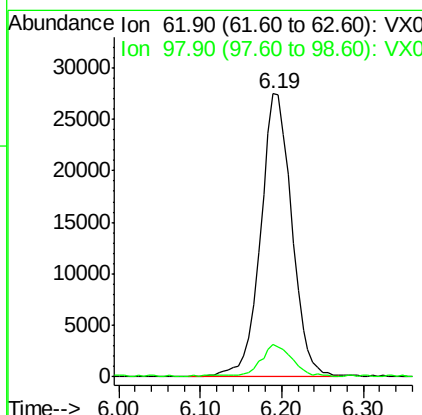
Manual Integrations
APPROVED

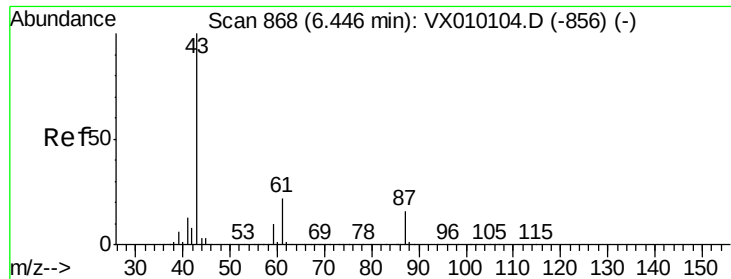
MMDadoda
6/10/2019 10:53:31 AM



#42
1,2-Dichloroethane
Concen: 19.489 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.8	0.0	17.2		





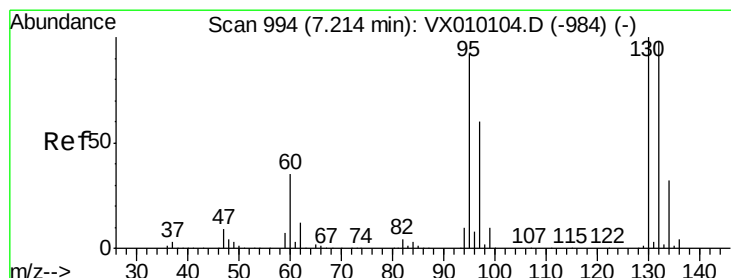
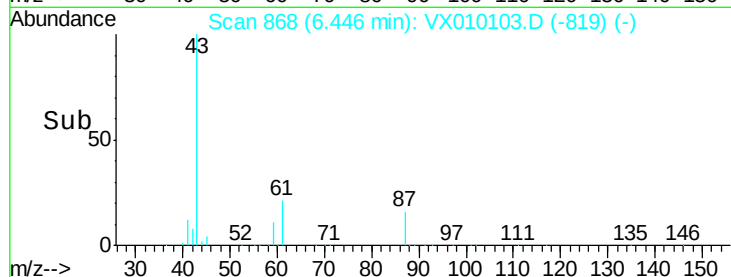
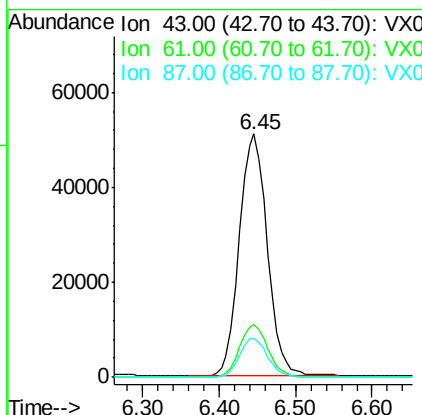
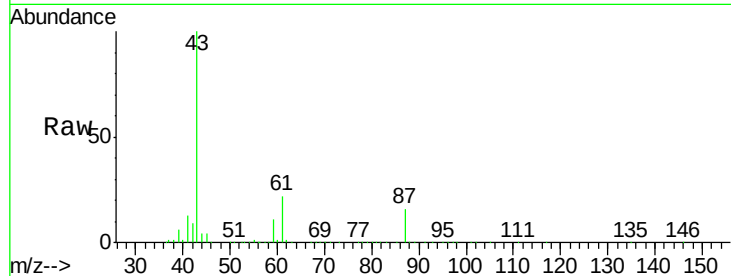
#43
Isopropyl Acetate
Concen: 19.760 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	14.6	21.8#
87	16.1	8.7	13.1#

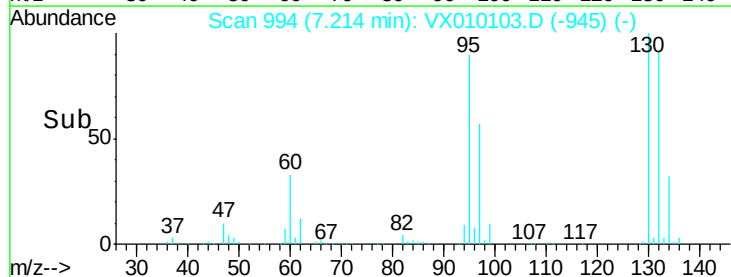
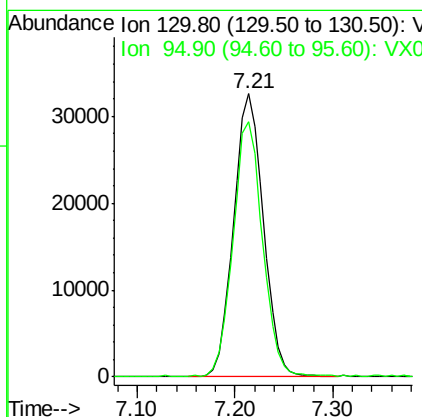
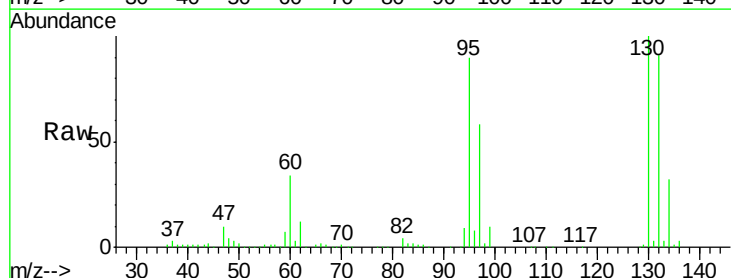
Manual Integrations
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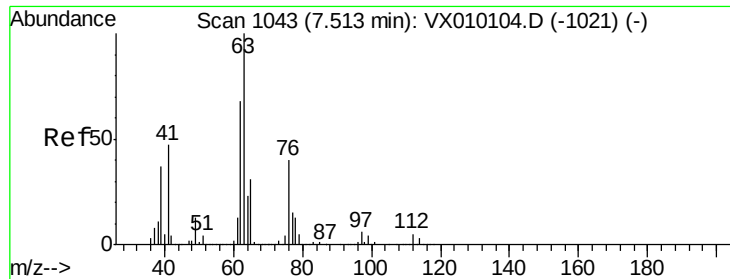
MMDadoda
6/10/2019 10:53:31 AM



#44
Trichloroethene
Concen: 19.790 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.537 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 57764

Ion Ratio Lower Upper

63 100

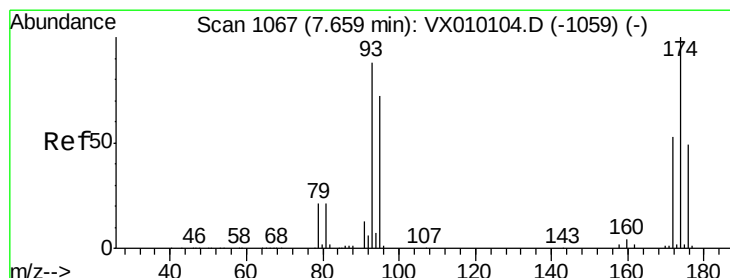
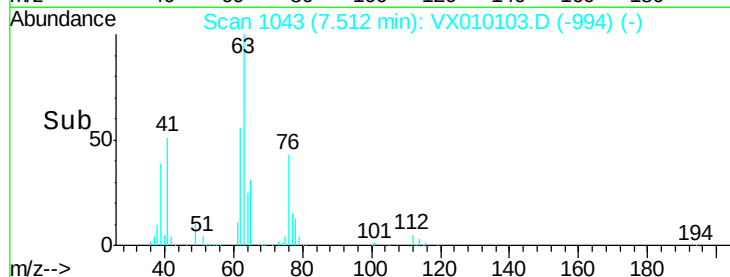
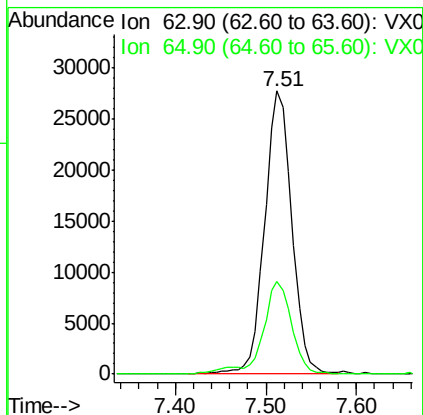
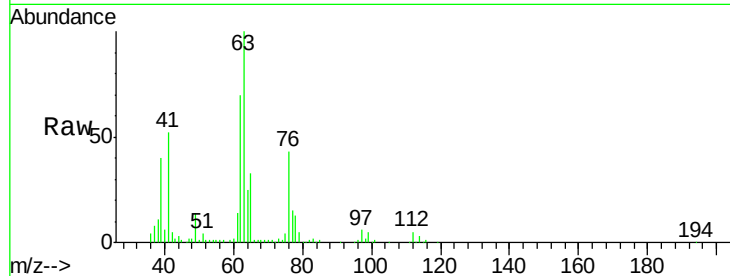
65 32.8 25.7 38.5

Manual Integrations

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6/10/2019 10:53:31 AM



#46

Dibromomethane

Concen: 19.995 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

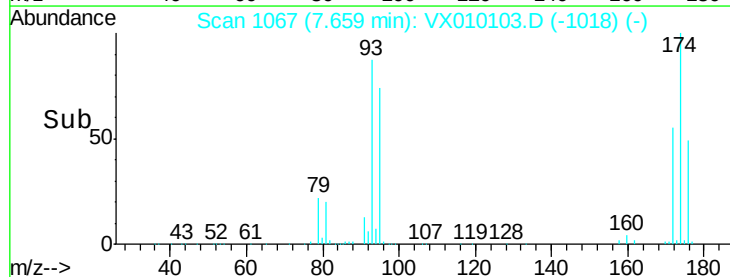
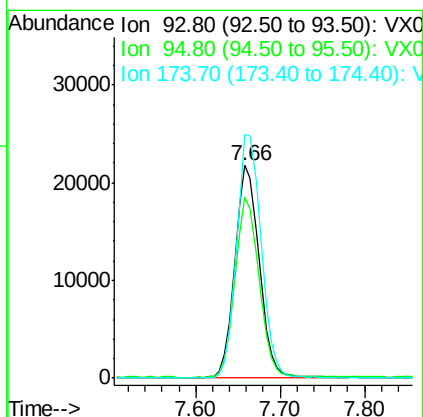
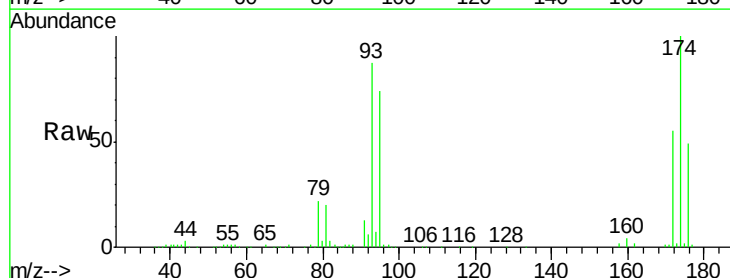
Tgt Ion: 93 Resp: 42570

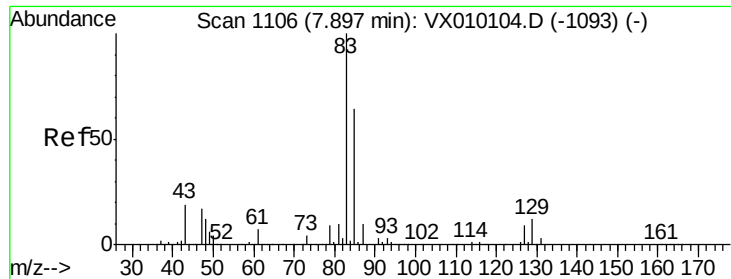
Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

174 115.0 81.9 122.9





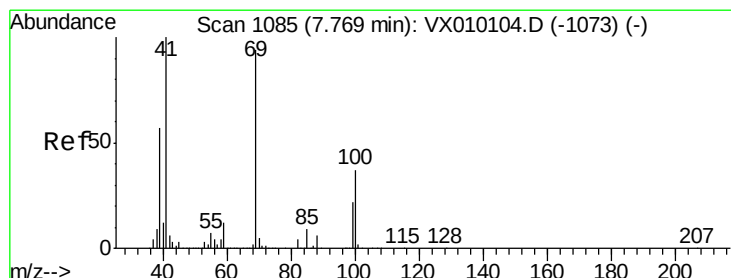
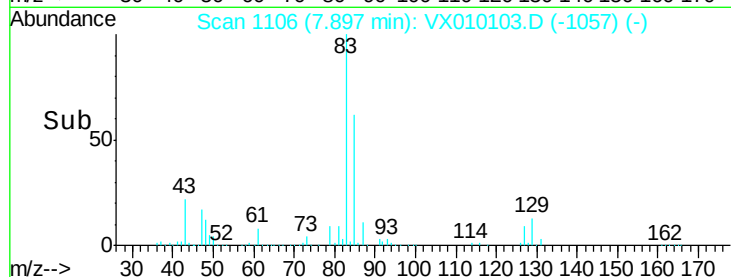
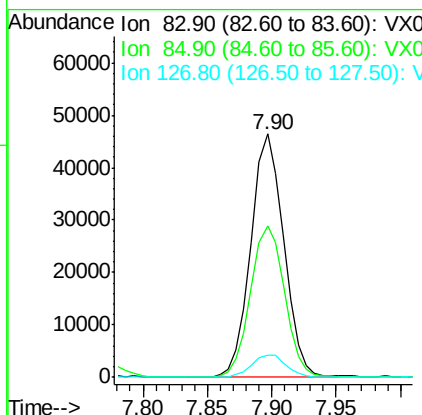
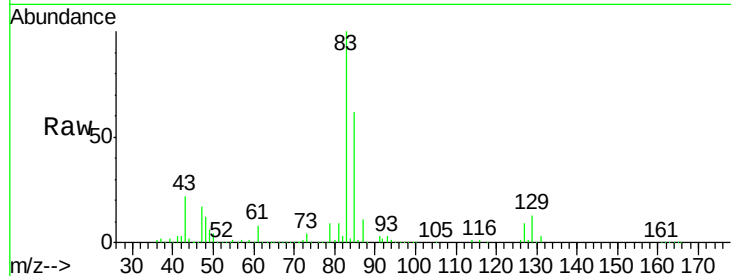
#47
Bromodichloromethane
Concen: 19.592 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	81346
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	51.4	77.2
127	8.9	6.4	9.6

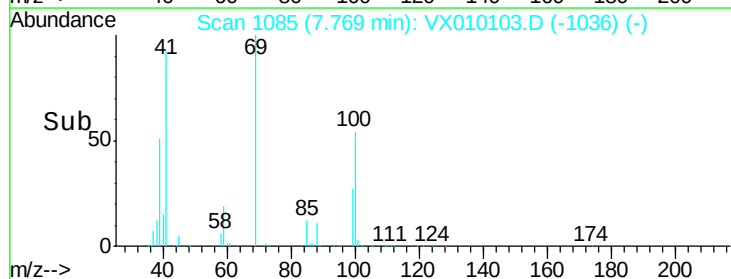
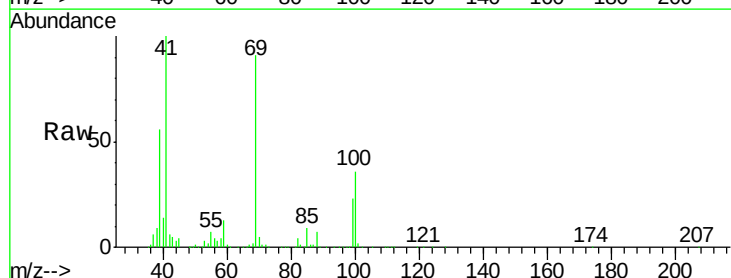
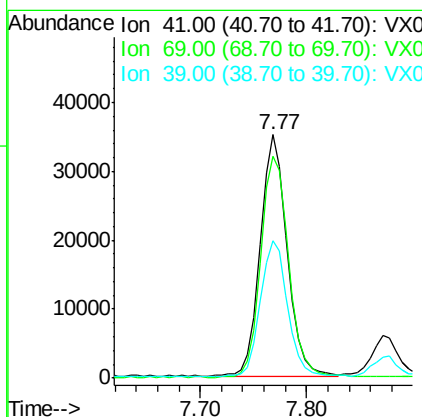
Manual Integrations
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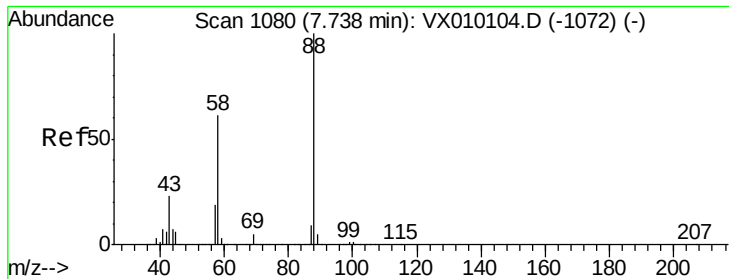
MMDadoda
6/10/2019 10:53:31 AM



#48
Methyl methacrylate
Concen: 19.423 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	41	Resp	62057
Ion Ratio	100	Lower	Upper
41	100		
69	95.2	56.4	84.6#
39	57.9	40.6	60.8





#49

1,4-Dioxane

Concen: 416.618 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

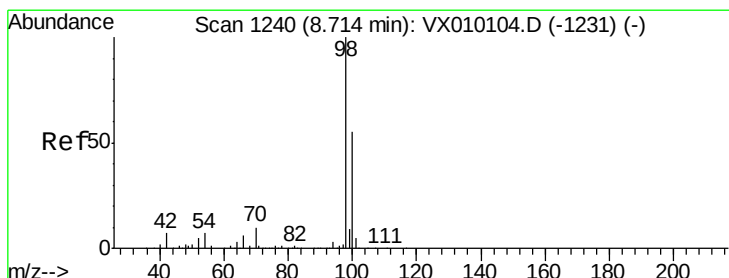
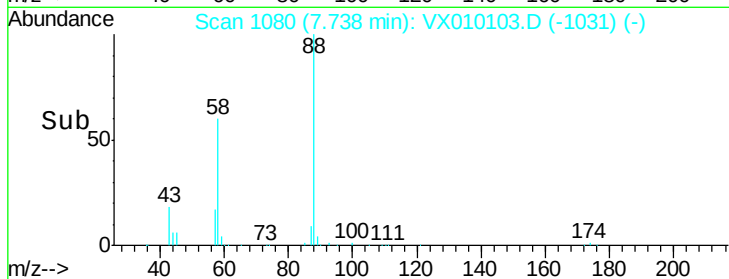
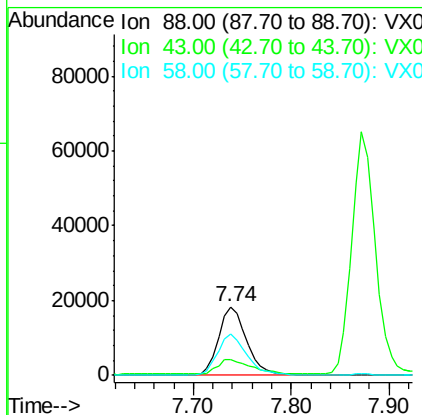
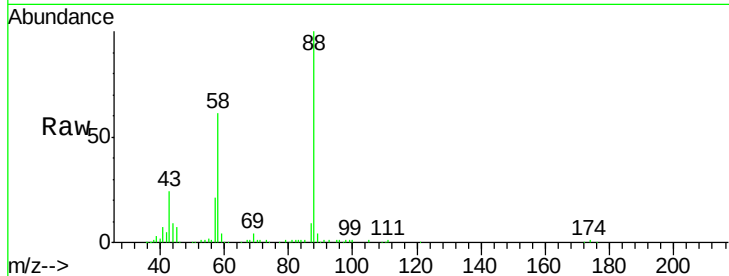
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	36606
Ion	Ratio	Lower	Upper
88	100		
43	26.2	30.2	45.4#
58	60.2	64.0	96.0#

Manual Integrations
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#50

Toluene-d8

Concen: 20.336 ug/l

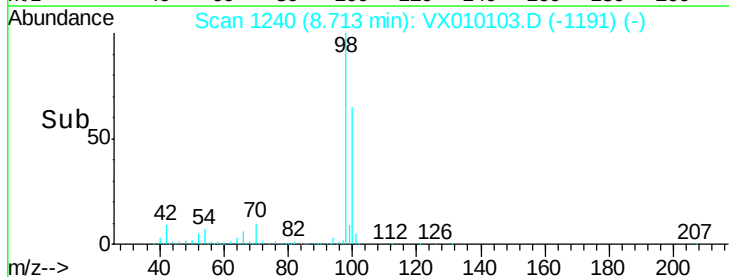
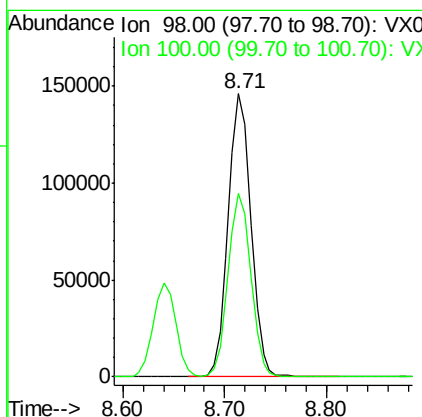
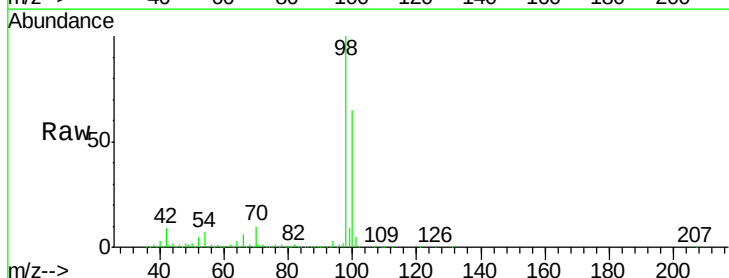
RT: 8.71 min Scan# 1240

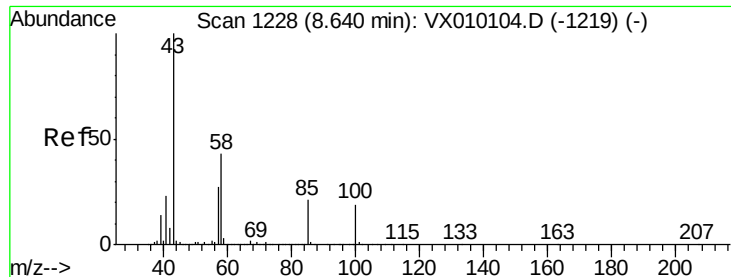
Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion:	98	Resp:	225087
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





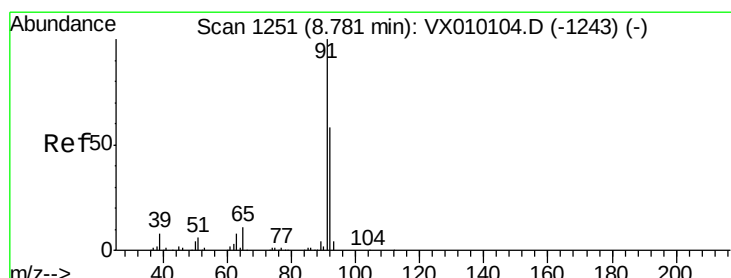
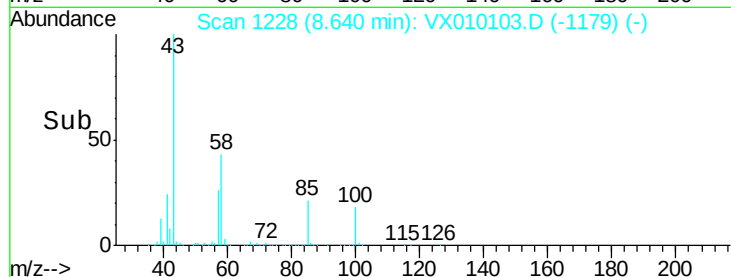
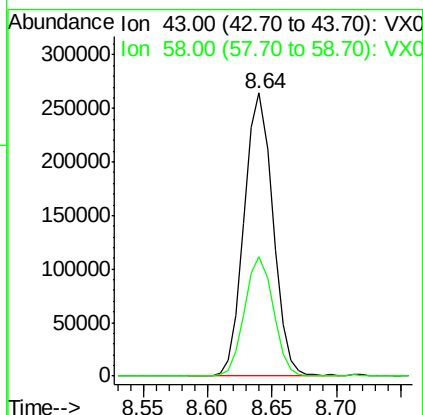
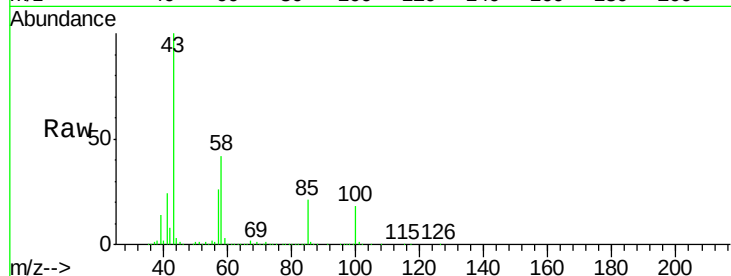
#51
4-Methyl-2-Pentanone
Concen: 99.003 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 407689
Ion Ratio Lower Upper
43 100
58 42.3 28.8 43.2

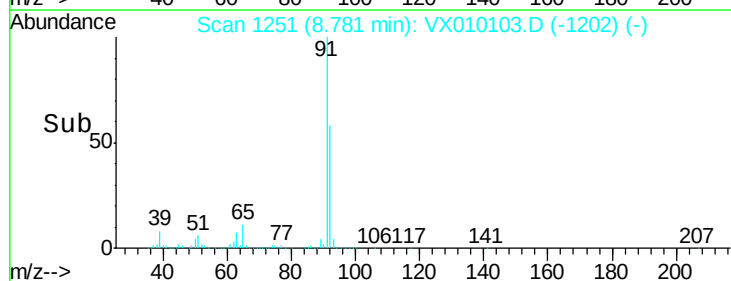
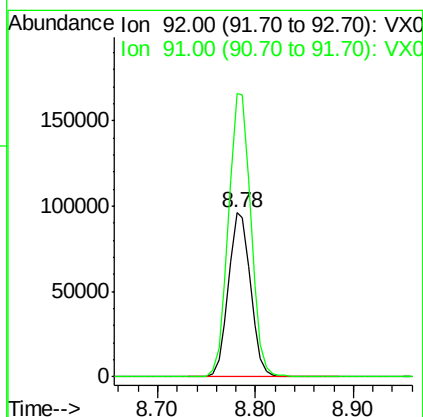
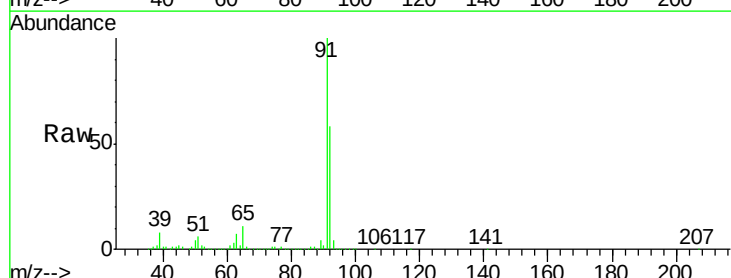
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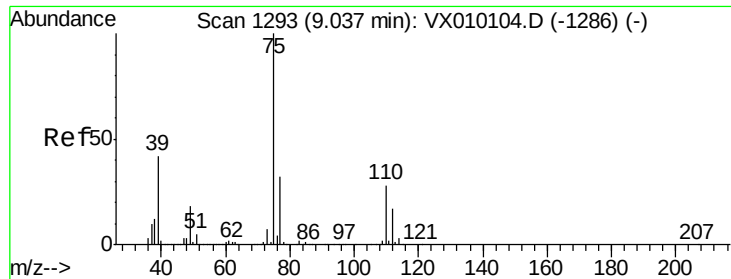
MMDadoda
6/10/2019 10:53:31 AM



#52
Toluene
Concen: 19.656 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion: 92 Resp: 150697
Ion Ratio Lower Upper
92 100
91 174.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.251 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 92835

Ion Ratio Lower Upper

75 100

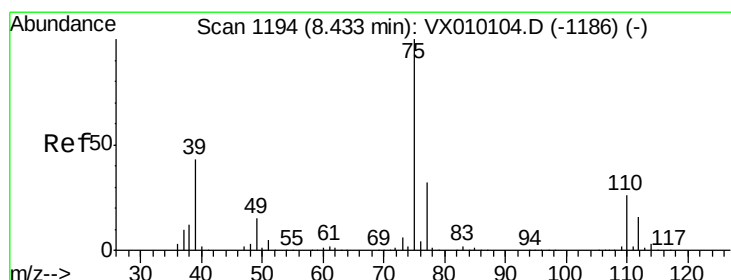
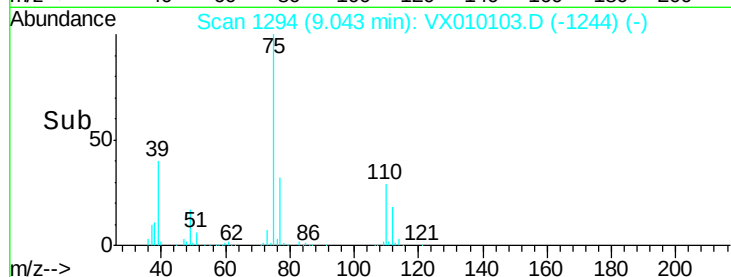
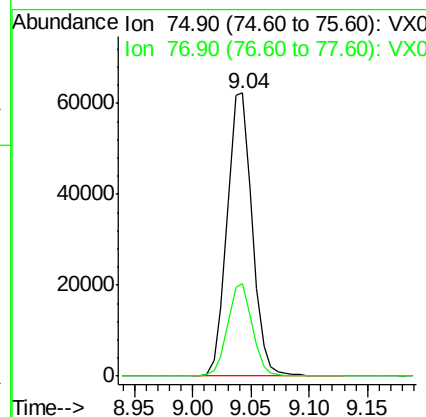
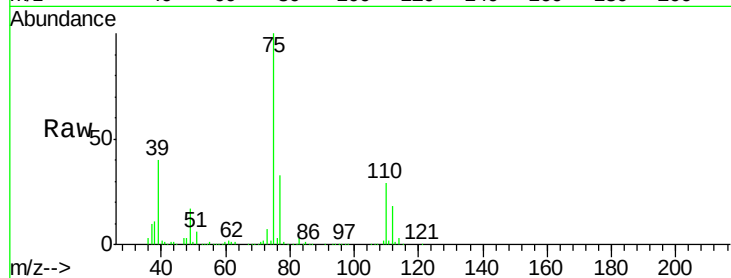
77 32.5 24.6 36.8

Manual Integrations

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MMDadoda

6/10/2019 10:53:31 AM



#54

cis-1,3-Dichloropropene

Concen: 19.503 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

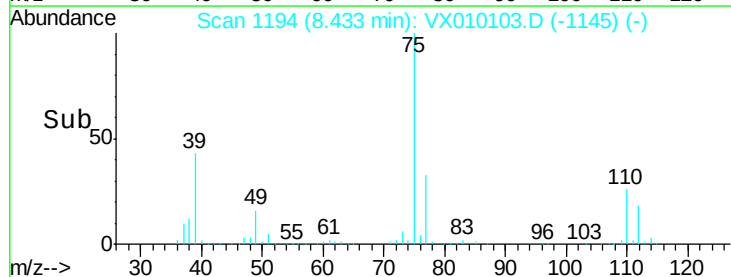
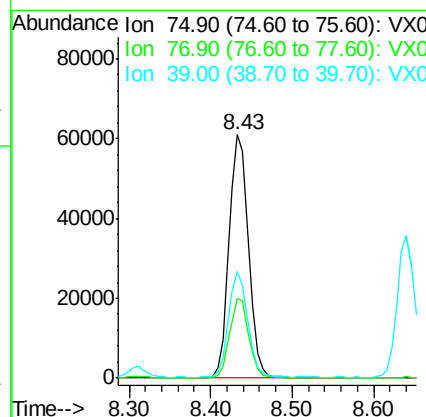
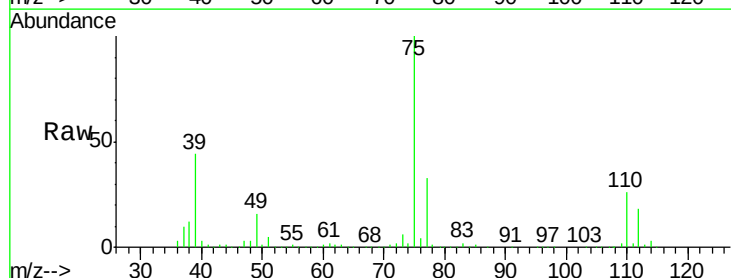
Tgt Ion: 75 Resp: 99744

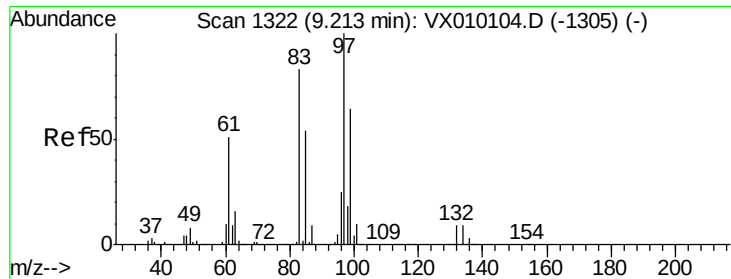
Ion Ratio Lower Upper

75 100

77 32.8 24.8 37.2

39 43.6 43.4 65.0





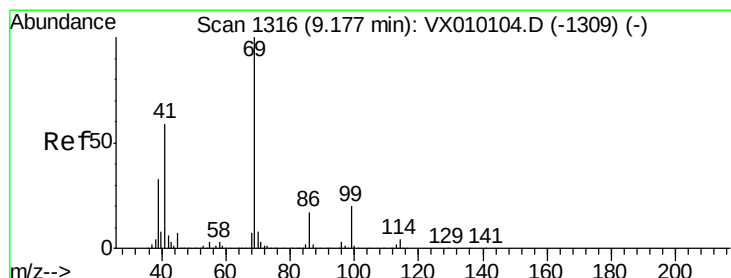
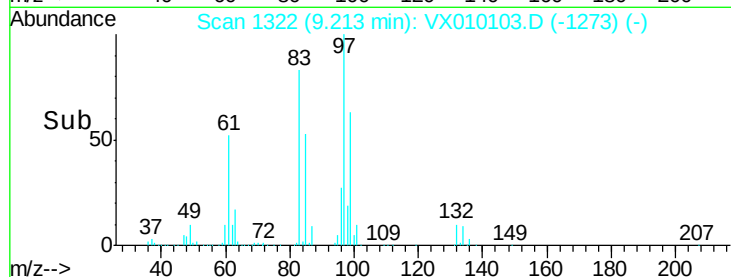
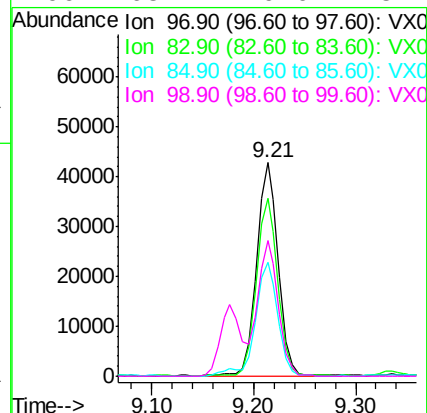
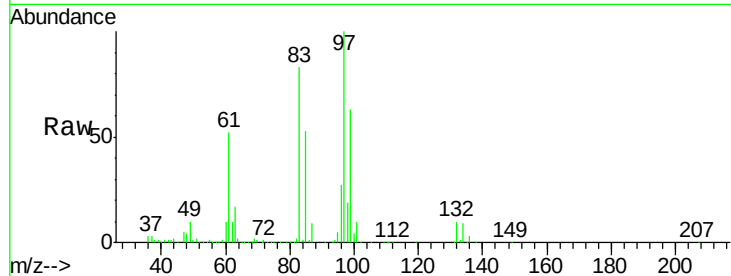
#55
 1,1,2-Trichloroethane
 Concen: 19.517 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	62632
Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.8	104.8
85	53.3	45.3	67.9
99	63.4	49.0	73.4

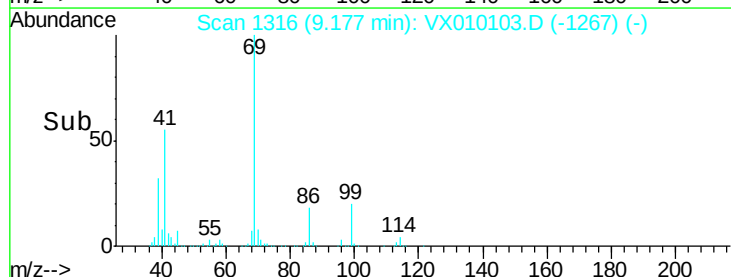
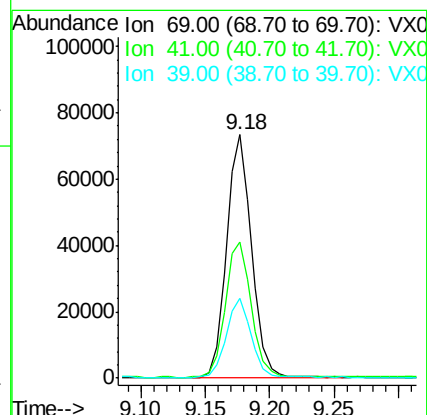
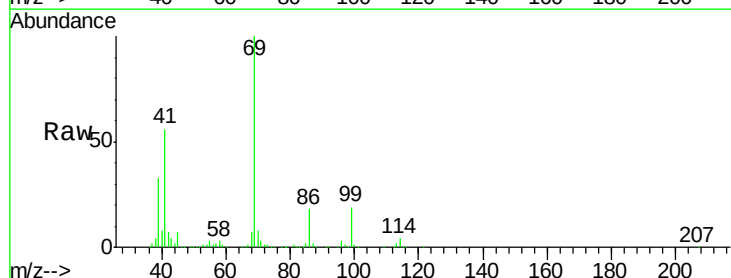
Manual Integrations
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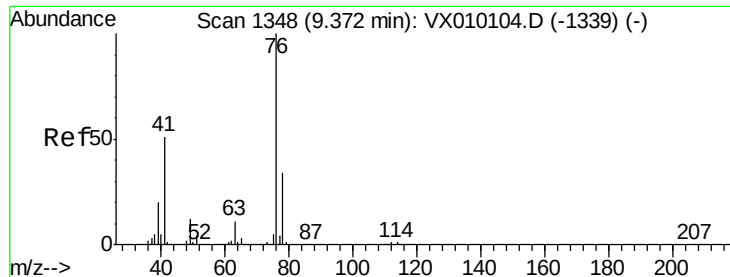
MMDadoda
 6/10/2019 10:53:31 AM



#56
 Ethyl methacrylate
 Concen: 19.470 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Tgt Ion:	69	Resp:	100095
Ion	Ratio	Lower	Upper
69	100		
41	57.5	62.7	94.1#
39	32.4	29.5	44.3





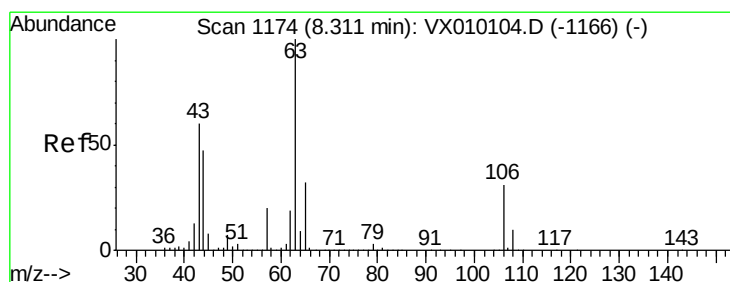
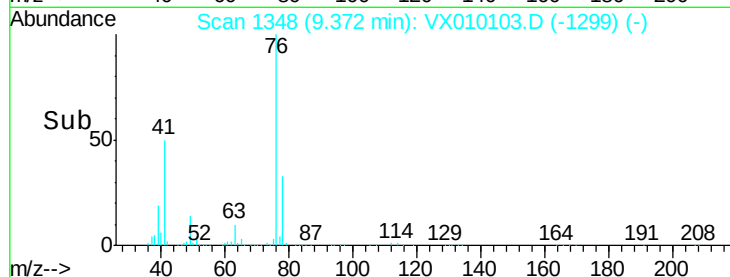
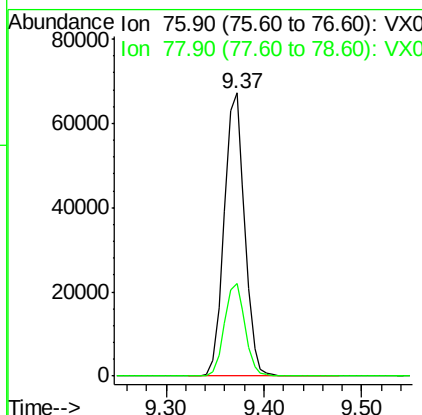
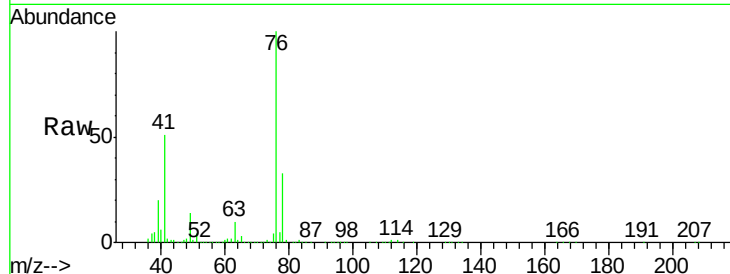
#57
 1,3-Dichloropropane
 Concen: 19.579 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.0

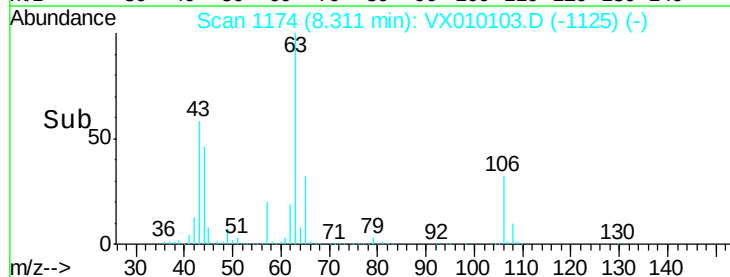
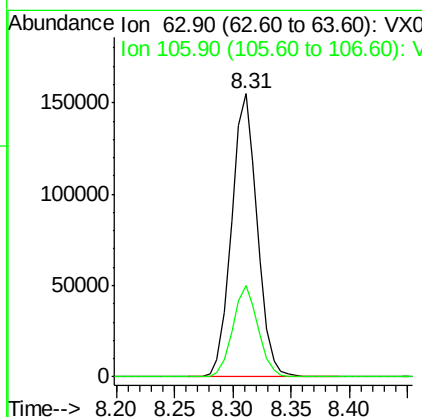
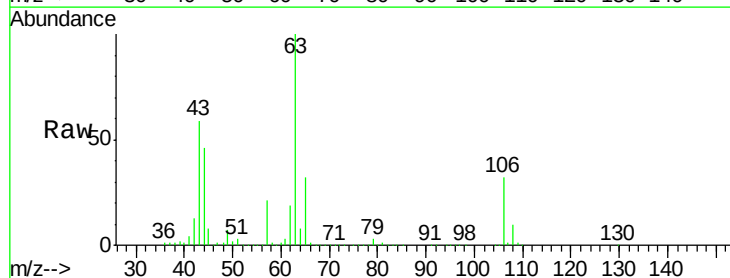
Manual Integrations
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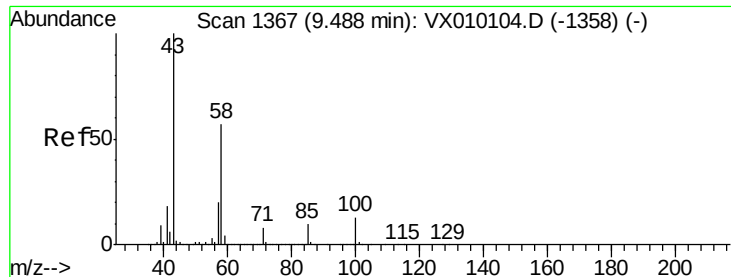
MMDadoda
 6/10/2019 10:53:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.805 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	19.4	29.2





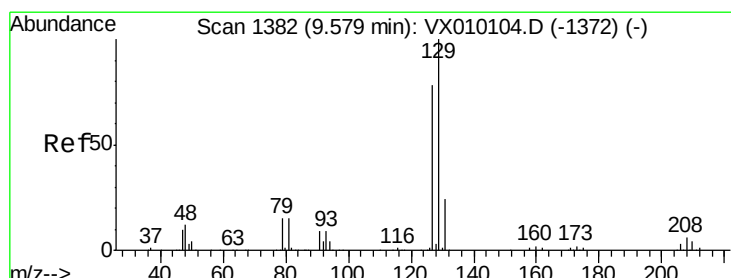
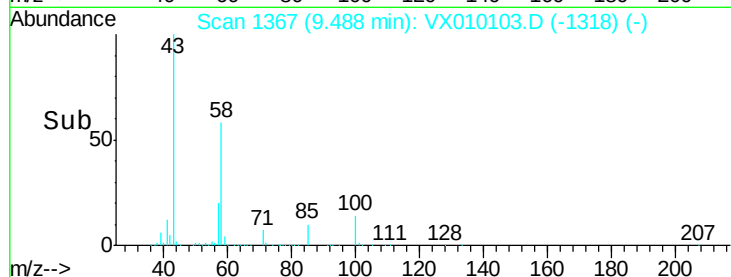
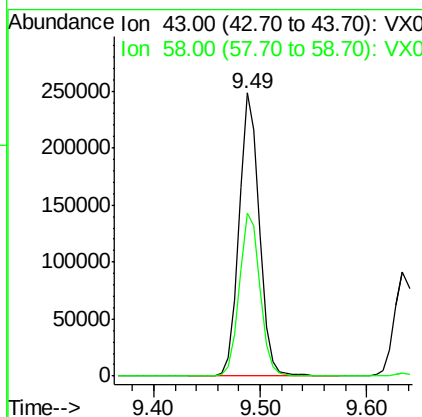
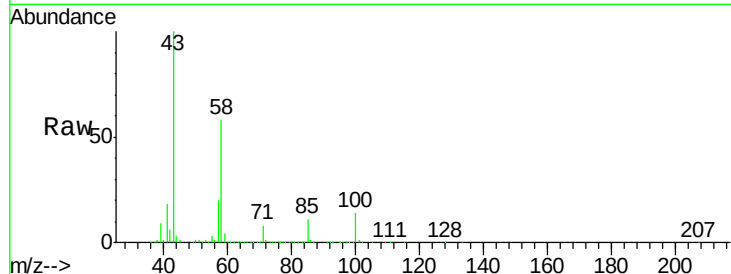
#59
2-Hexanone
Concen: 101.322 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 330161
Ion Ratio Lower Upper
43 100
58 58.8 25.1 75.3

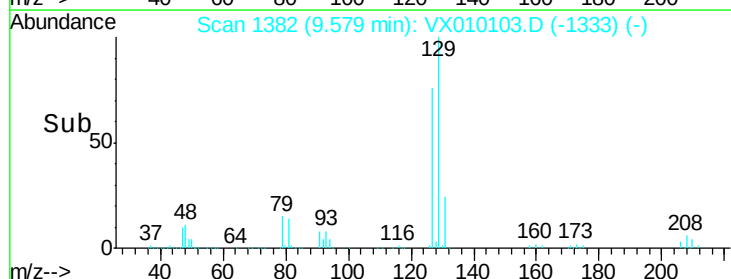
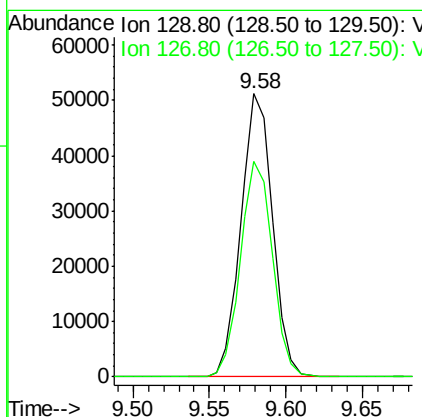
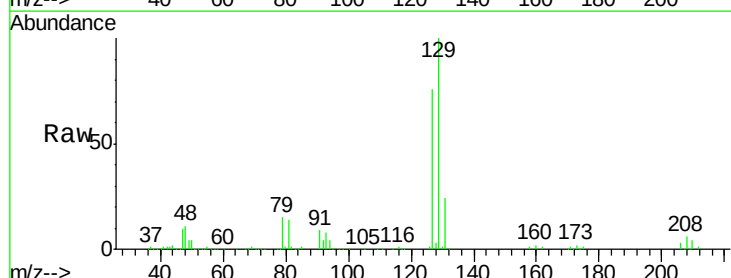
Manual Integrations
APPROVED

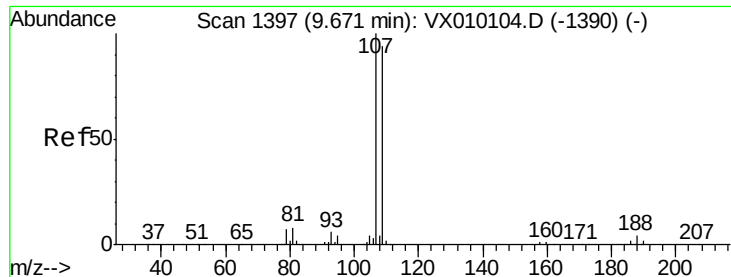
MMDadoda
6/10/2019 10:53:31 AM



#60
Dibromochloromethane
Concen: 19.358 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion: 129 Resp: 73466
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.516 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 68702

Ion Ratio Lower Upper

107 100

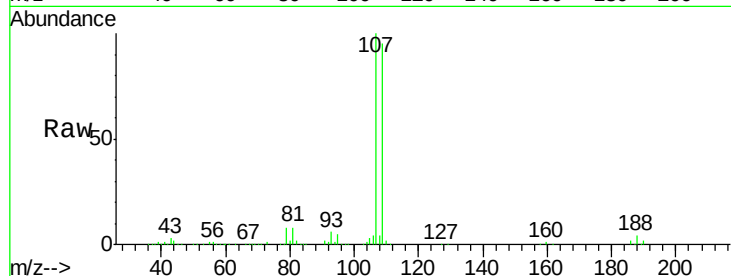
109 95.1 75.4 113.2

Manual Integrations

APPROVED

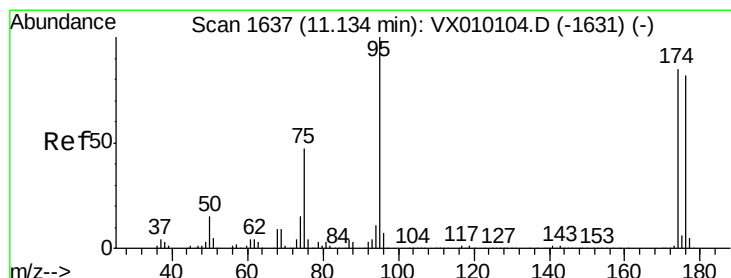
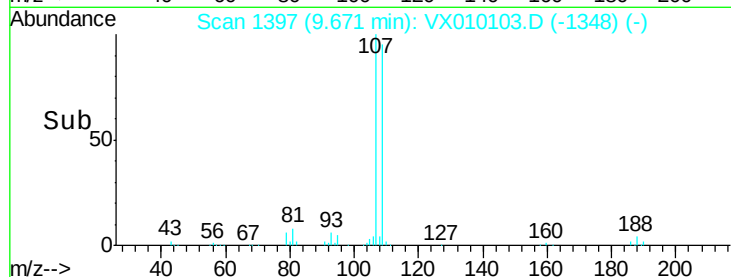
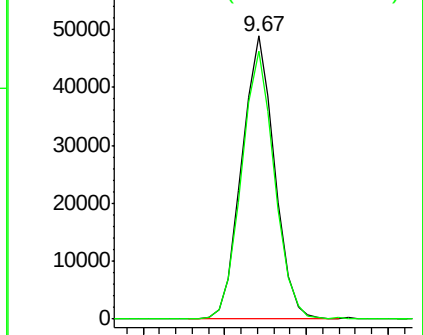
MMDadoda

6/10/2019 10:53:31 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.349 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

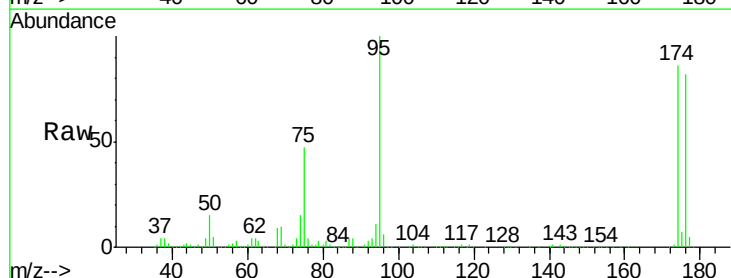
Tgt Ion: 95 Resp: 84300

Ion Ratio Lower Upper

95 100

174 88.0 0.0 160.4

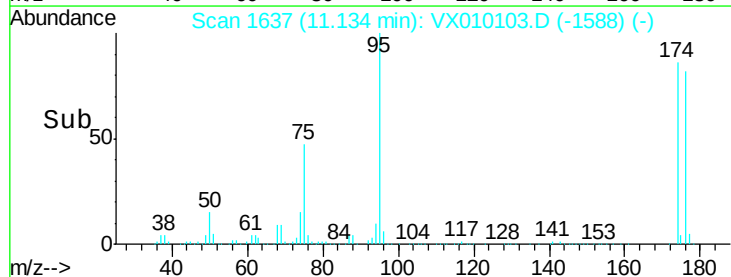
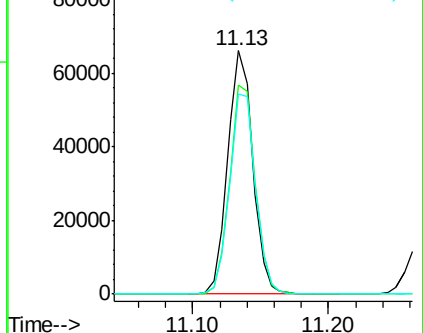
176 85.4 0.0 154.6

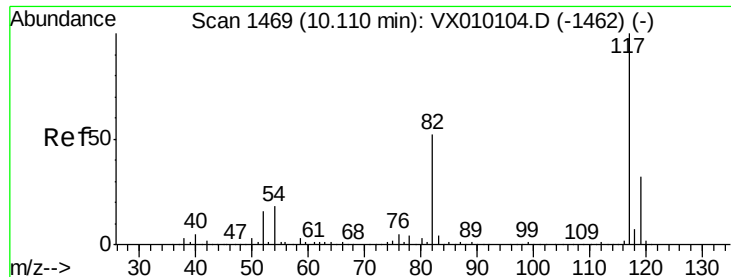


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





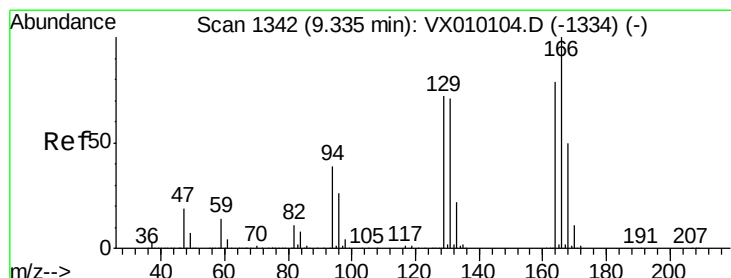
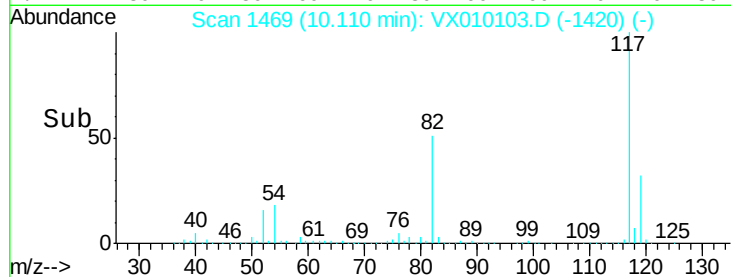
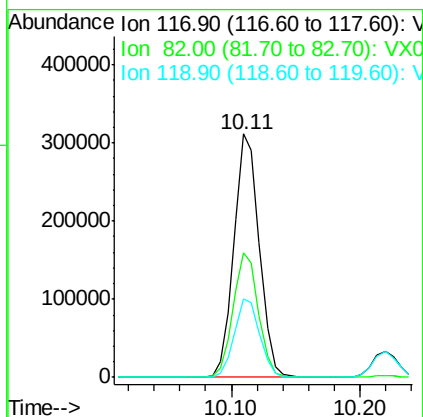
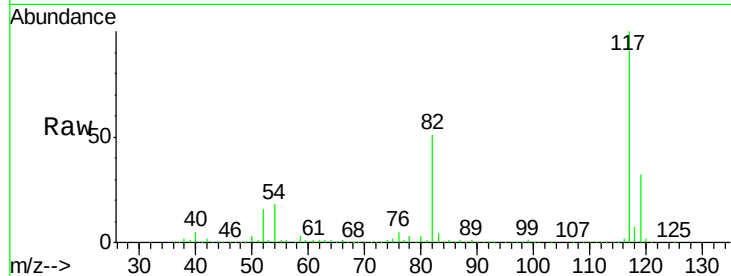
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	49.2	73.8
119	32.1	25.2	37.8

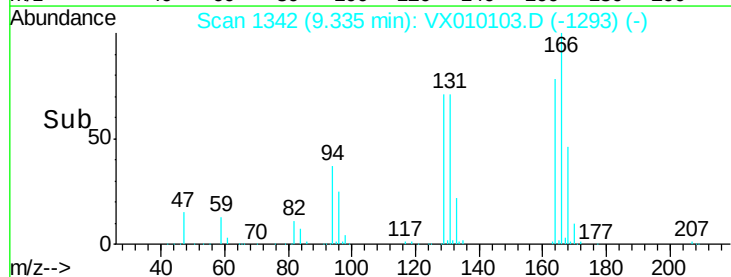
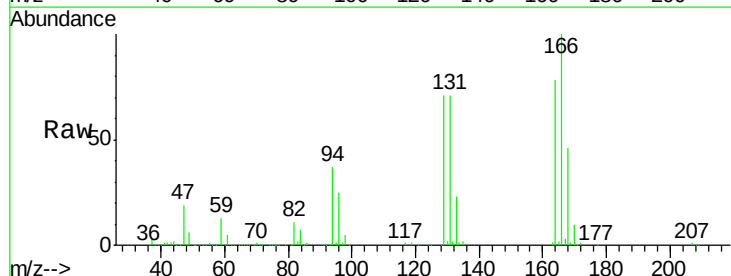
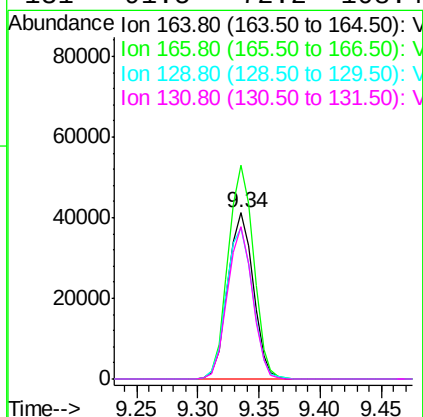
Manual Integrations
APPROVED

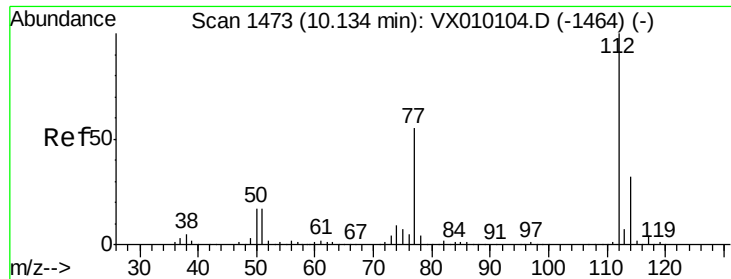
MMDadoda
6/10/2019 10:53:31 AM



#64
Tetrachloroethene
Concen: 20.090 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	105.0	157.4
129	90.8	75.1	112.7
131	91.5	72.2	108.4





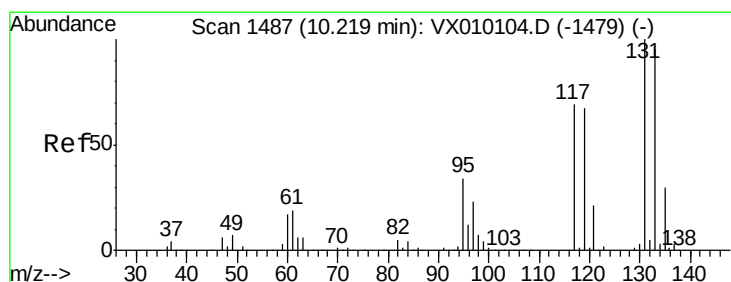
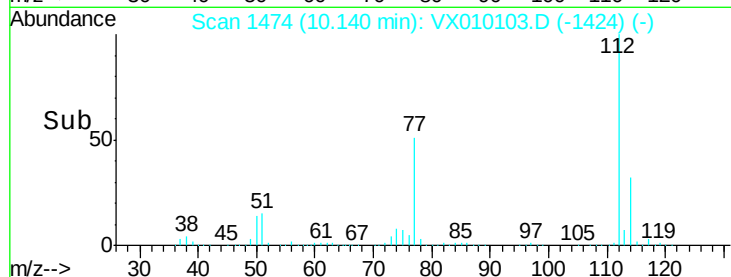
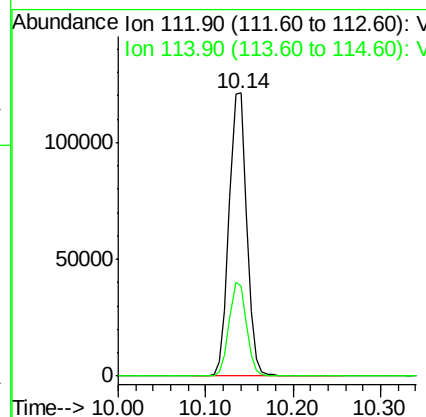
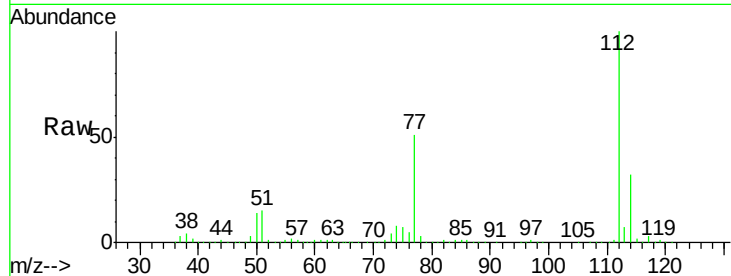
#65
Chlorobenzene
Concen: 19.968 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 169769
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

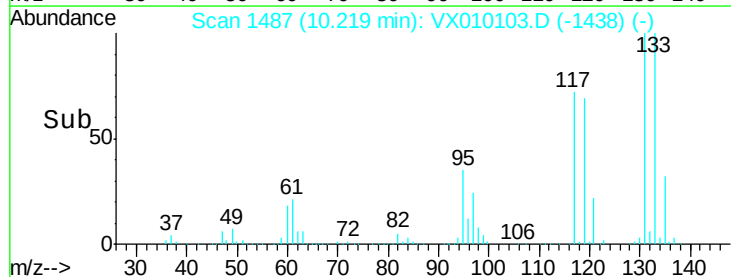
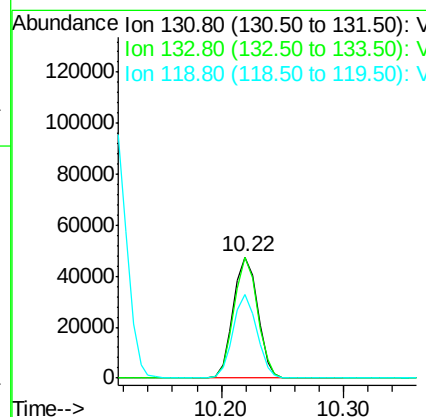
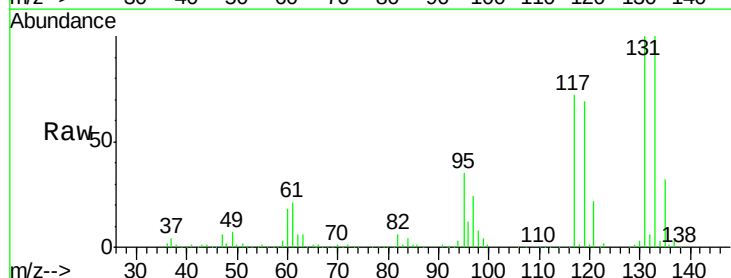
Manual Integrations
APPROVED

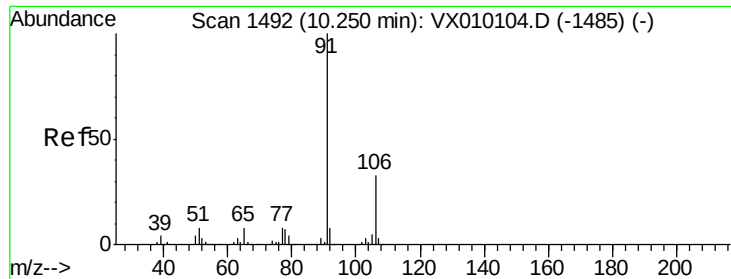
MMDadoda
6/10/2019 10:53:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.039 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion:131 Resp: 65650
Ion Ratio Lower Upper
131 100
133 96.8 47.5 142.6
119 68.0 33.4 100.1





#67

Ethyl Benzene

Concen: 20.131 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 291753

Ion Ratio Lower Upper

91 100

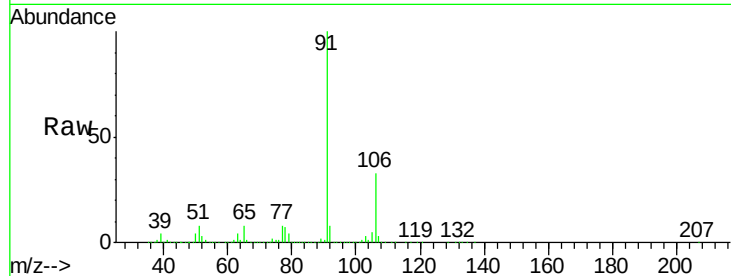
106 32.6 23.9 35.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010103.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX010103.D (-1443) (-)

300000

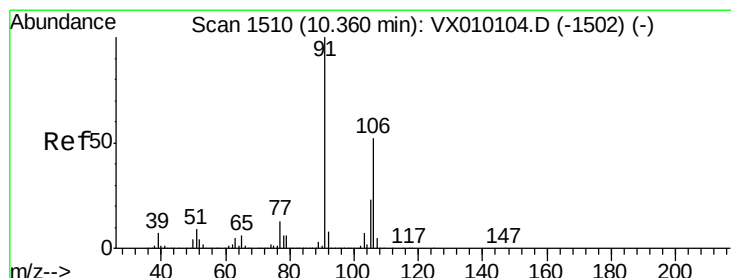
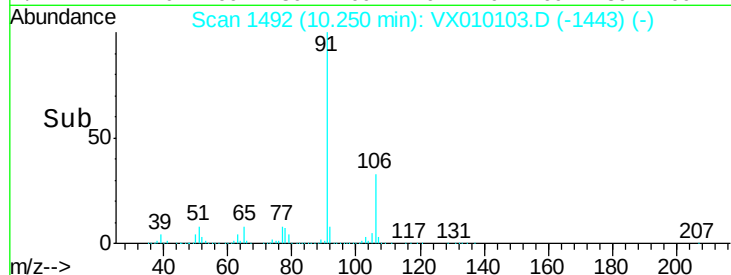
200000

100000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 40.633 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010103.D

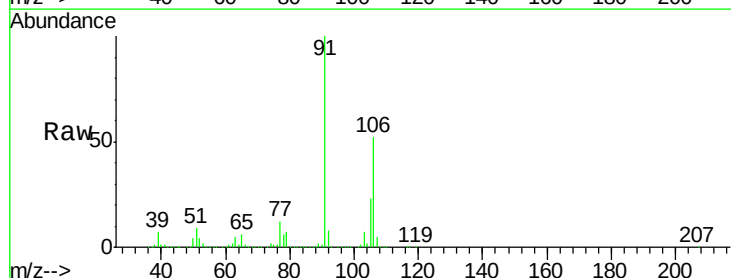
Acq: 07 Jun 2019 12:18

Tgt Ion: 106 Resp: 227909

Ion Ratio Lower Upper

106 100

91 194.1 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VX010103.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX010103.D (-1461) (-)

300000

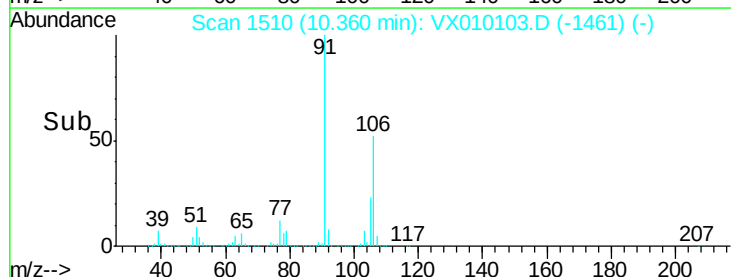
200000

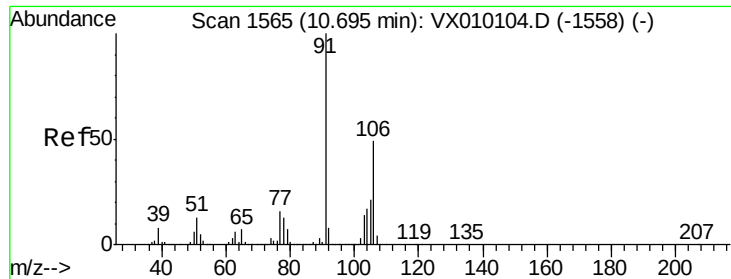
100000

0

10.30 10.36 10.40 10.50

Time-->





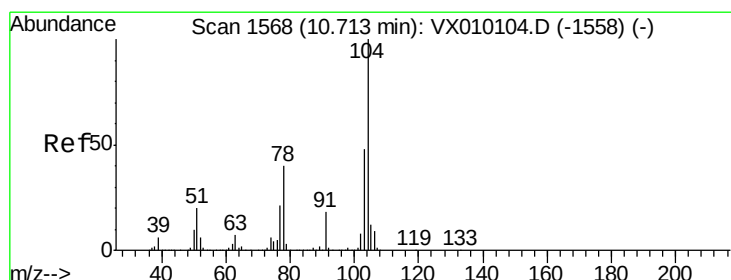
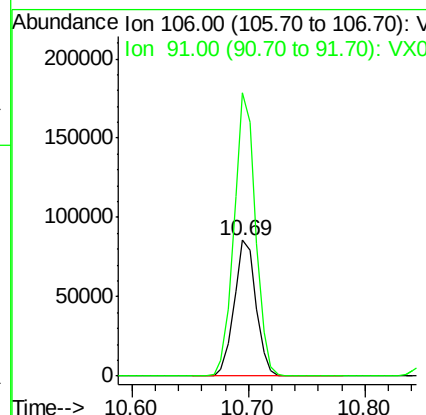
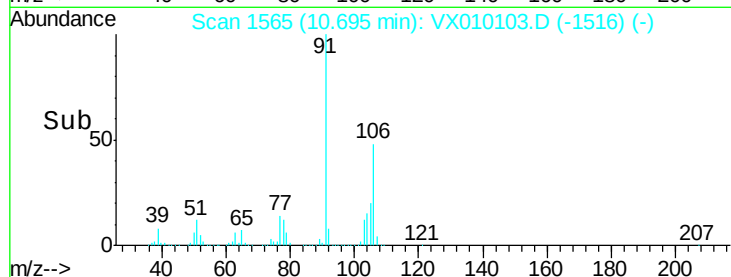
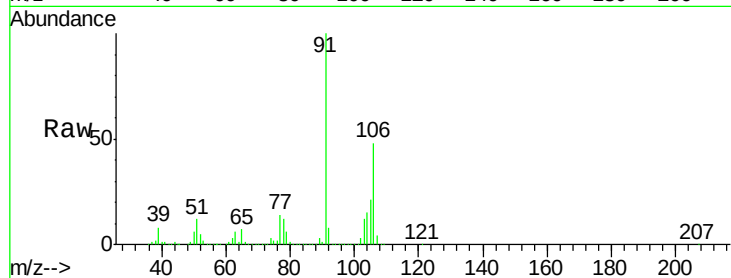
#69
o-Xylene
Concen: 20.284 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	111882		
91	91	204.0	110.4	331.2	

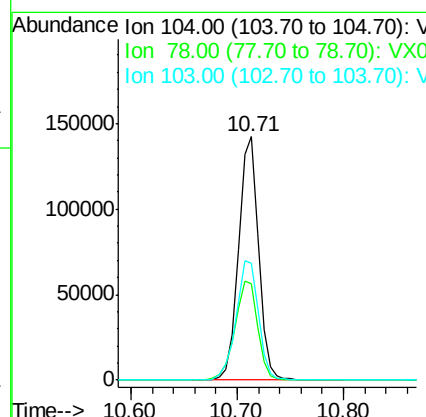
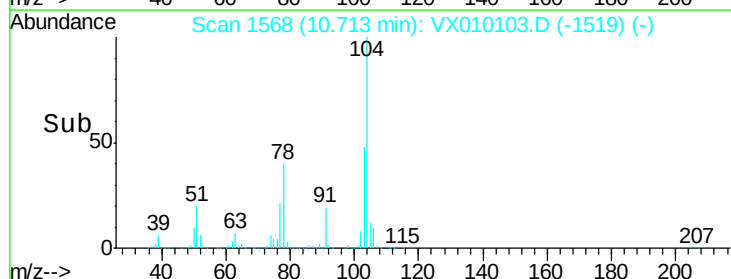
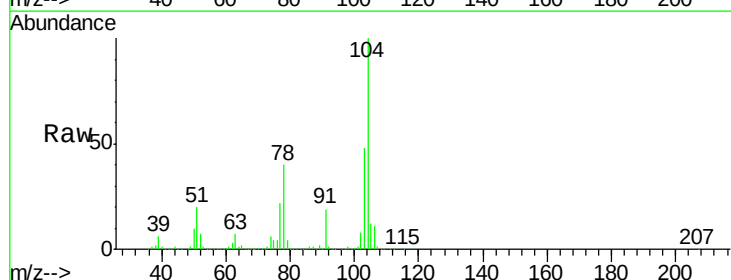
Manual Integrations
APPROVED

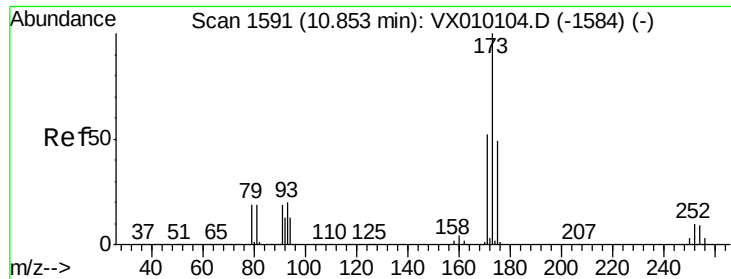
MMDadoda
6/10/2019 10:53:31 AM



#70
Styrene
Concen: 19.649 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	188363		
78	78	46.4	42.1	63.1	
103	103	55.1	44.1	66.1	





#71

Bromoform

Concen: 19.840 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 60305

Ion Ratio Lower Upper

173 100

175 49.5 25.0 75.0

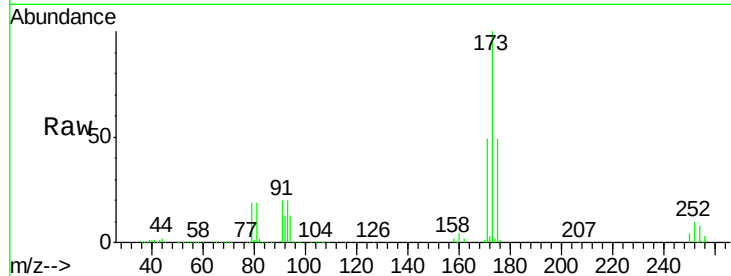
254 0.0 0.2 0.2#

Manual Integrations

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MMDadoda

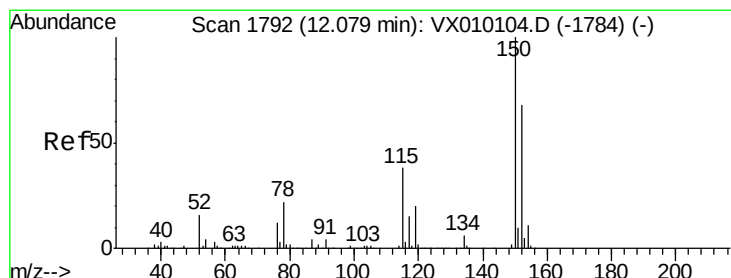
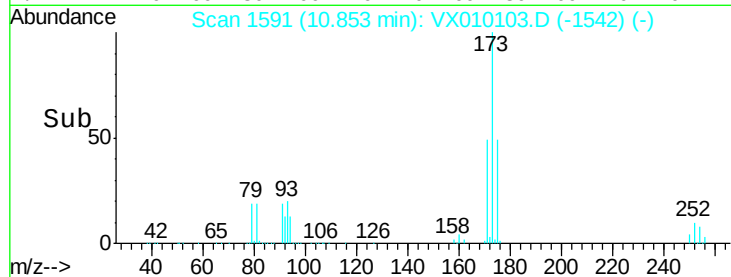
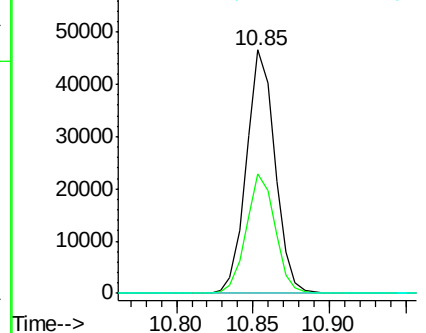
6/10/2019 10:53:31 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

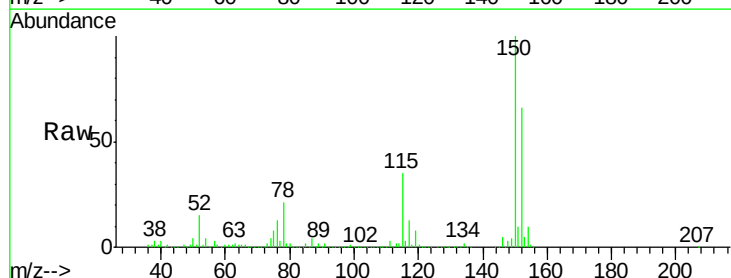
Tgt Ion:152 Resp: 216290

Ion Ratio Lower Upper

152 100

115 63.5 41.4 124.2

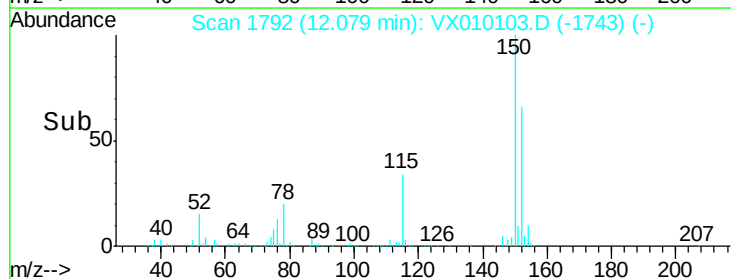
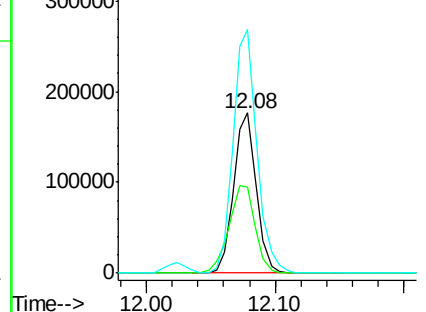
150 161.0 0.0 345.2

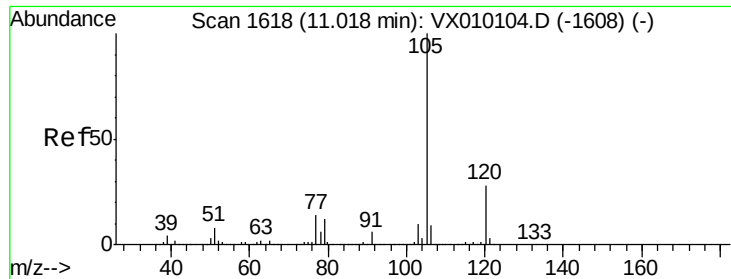


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.063 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 293591

Ion Ratio Lower Upper

105 100

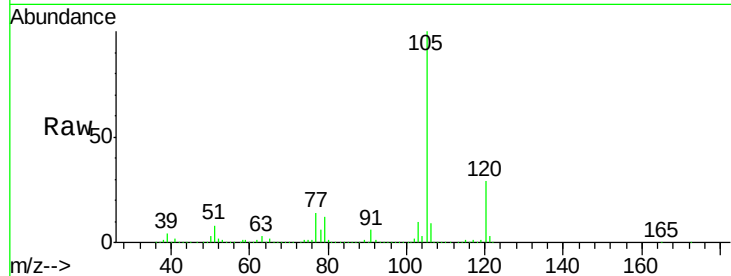
120 27.8 12.8 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

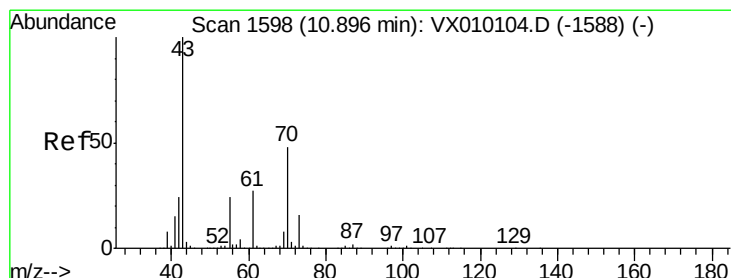
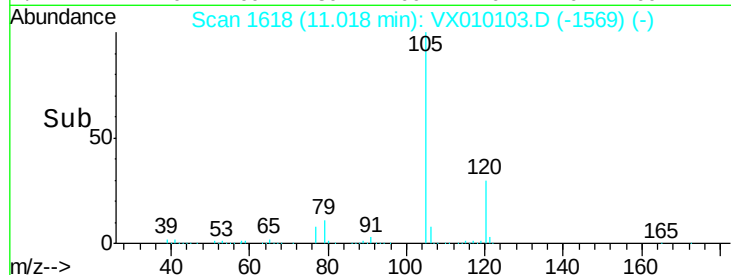
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.658 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion: 43 Resp: 114783

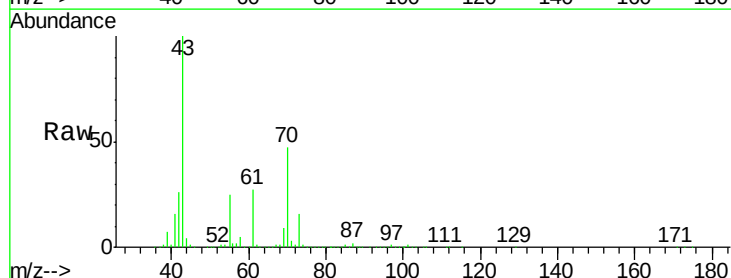
Ion Ratio Lower Upper

43 100

70 47.0 28.6 43.0#

55 24.3 17.8 26.8

61 26.6 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

50000

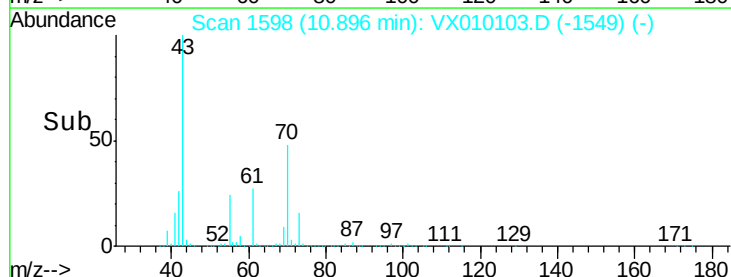
0

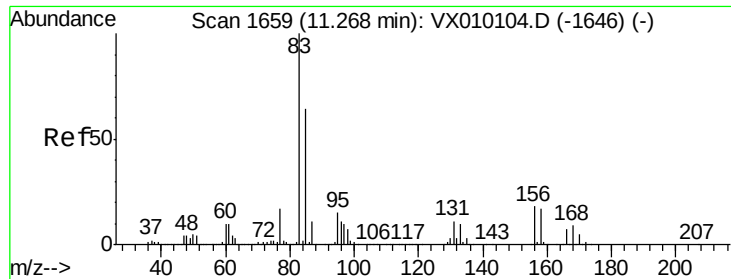
10.90

10.85

10.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.365 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

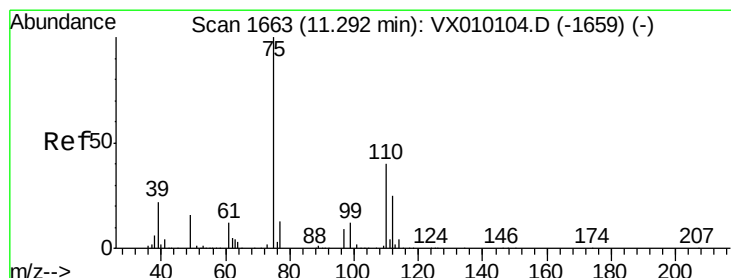
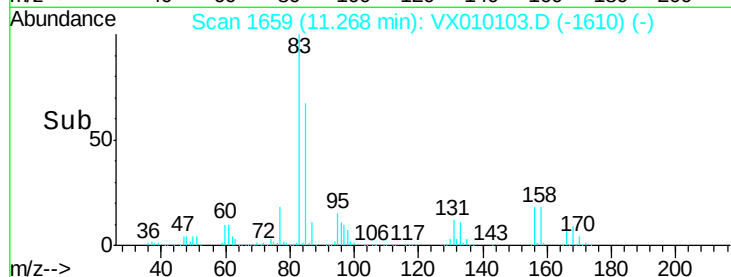
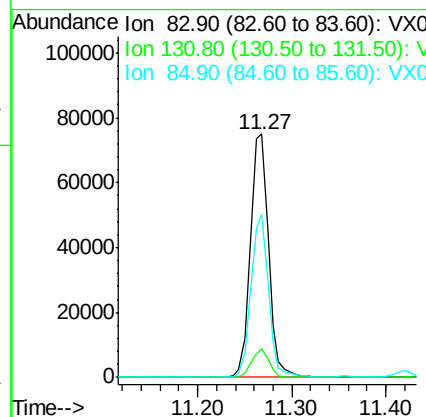
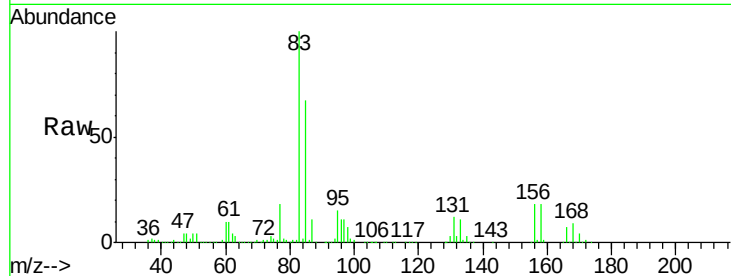
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	100889
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.7	14.1
85	65.1	31.9	95.9

Manual Integrations
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MMDadoda
6/10/2019 10:53:31 AM



#76

1,2,3-Trichloropropane

Concen: 20.534 ug/l m

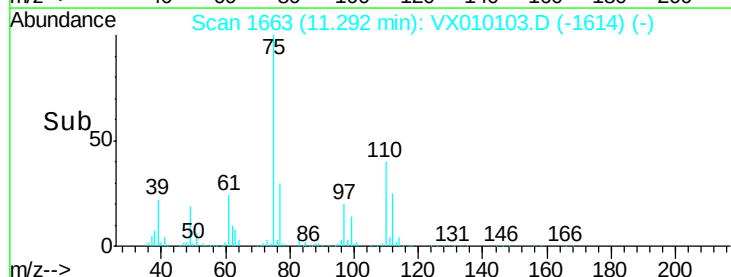
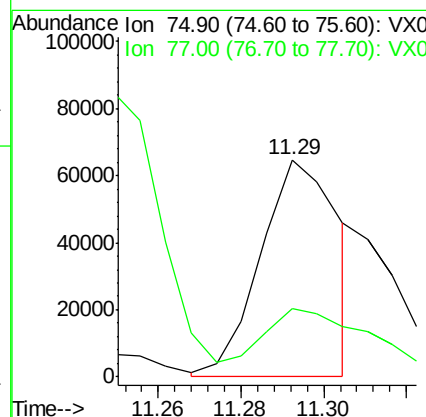
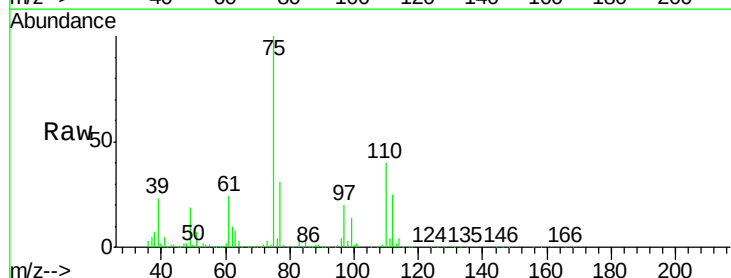
RT: 11.29 min Scan# 1663

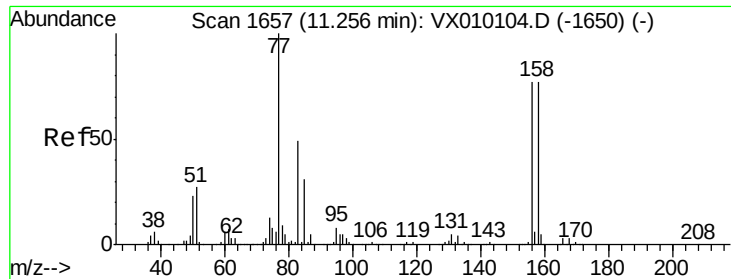
Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion:	75	Resp:	84951
Ion Ratio	Lower	Upper	
75	100		
77	44.2	22.1	66.1





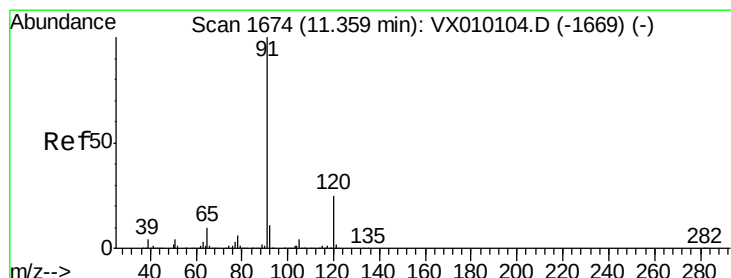
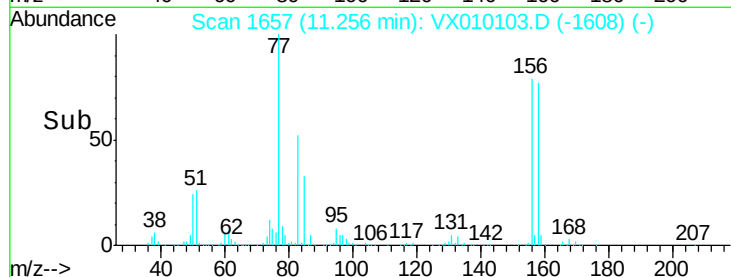
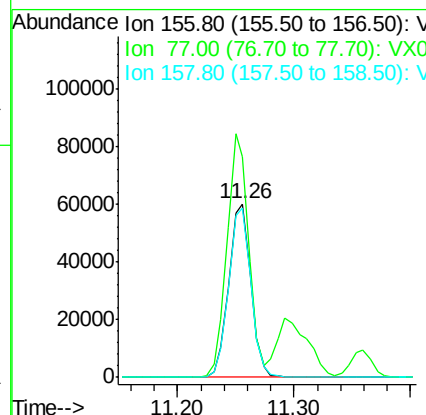
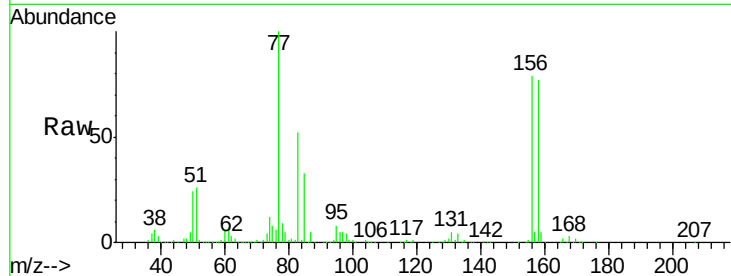
#77
Bromobenzene
Concen: 19.692 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.9	86.8	260.3
158	98.2	49.6	148.8

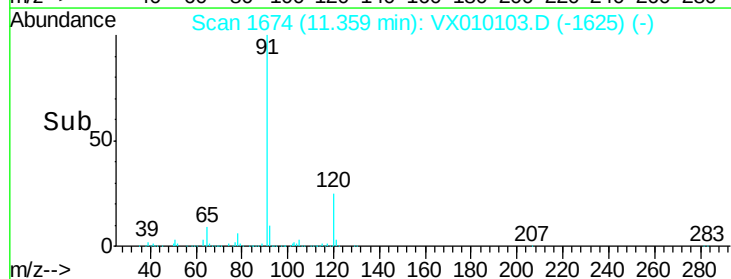
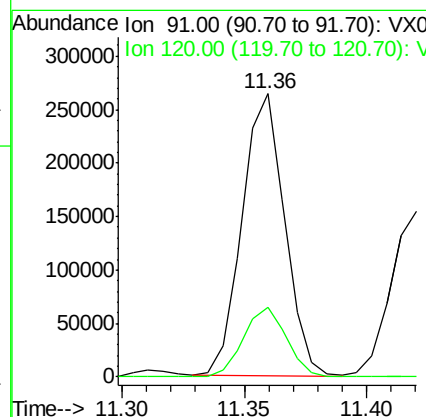
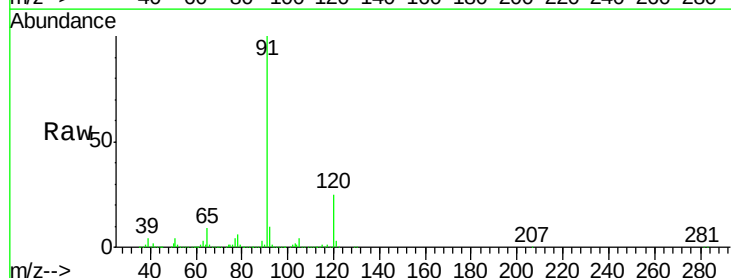
Manual Integrations
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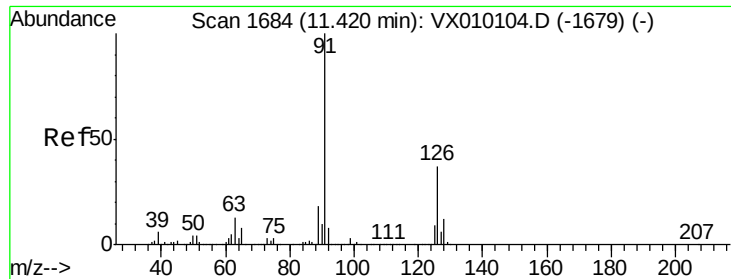
MMDadoda
6/10/2019 10:53:31 AM



#78
n-propylbenzene
Concen: 19.479 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.525 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 190866

Ion Ratio Lower Upper

91 100

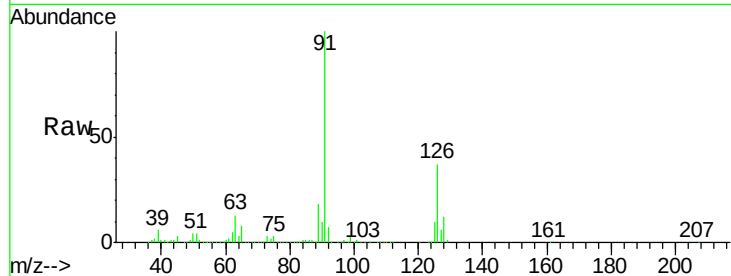
126 37.1 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX010103.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX010103.D (-1635) (-)

300000

250000

200000

150000

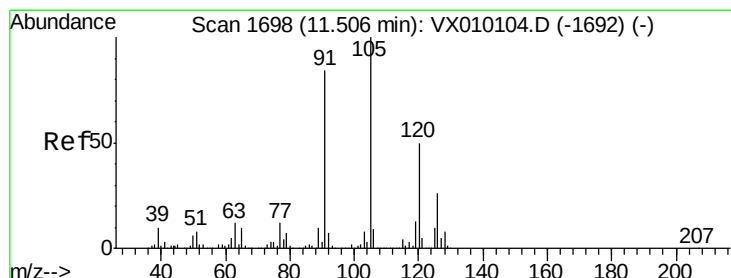
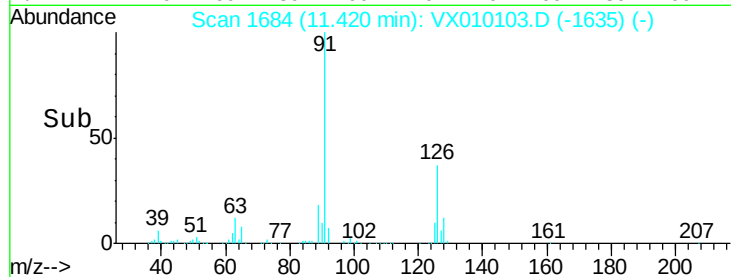
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.886 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010103.D

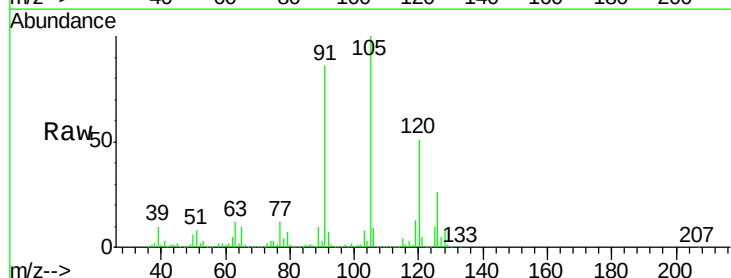
Acq: 07 Jun 2019 12:18

Tgt Ion: 105 Resp: 243473

Ion Ratio Lower Upper

105 100

120 50.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010103.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX010103.D (-1649) (-)

200000

150000

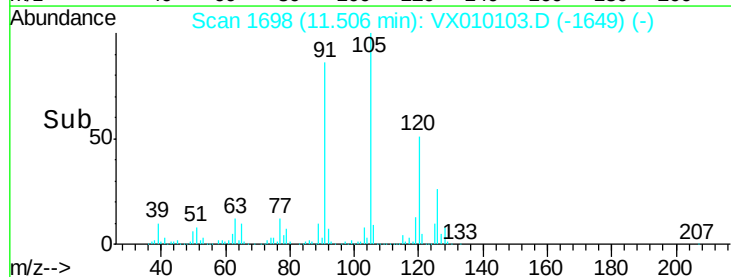
100000

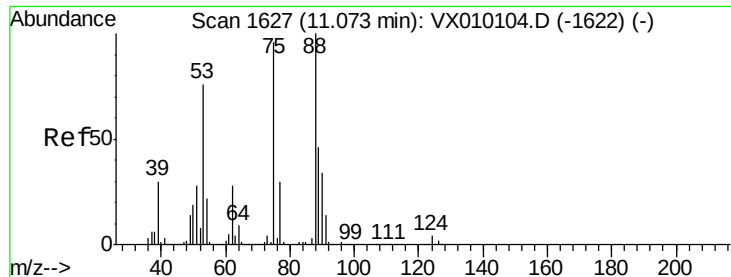
50000

0

11.40 11.50 11.60

Time-->





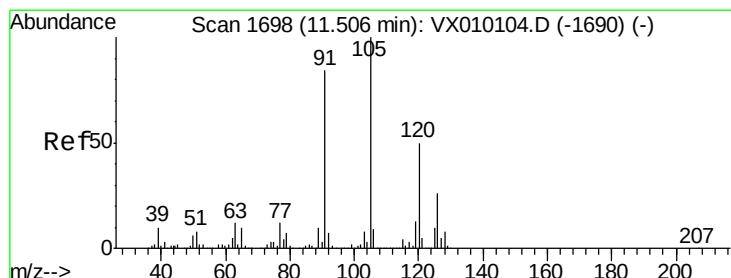
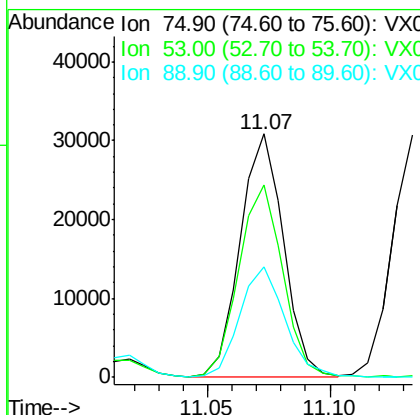
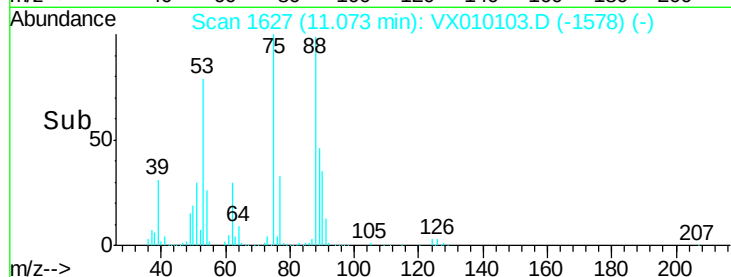
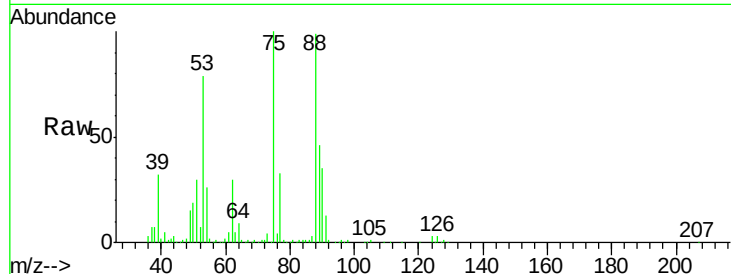
#81
trans-1,4-Dichloro-2-butene
Concen: 19.597 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.7	79.8	119.6#
89	48.3	34.2	51.4

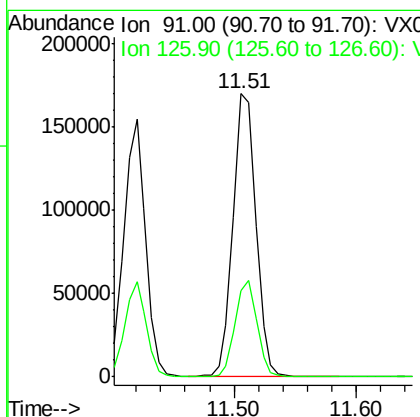
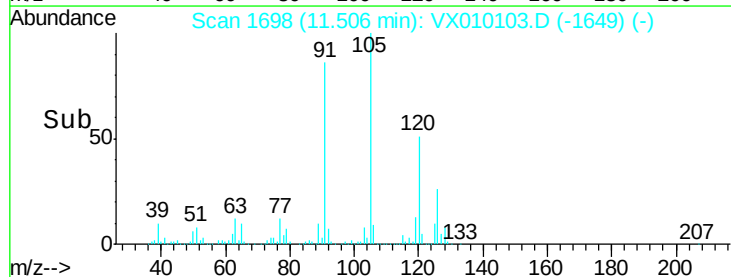
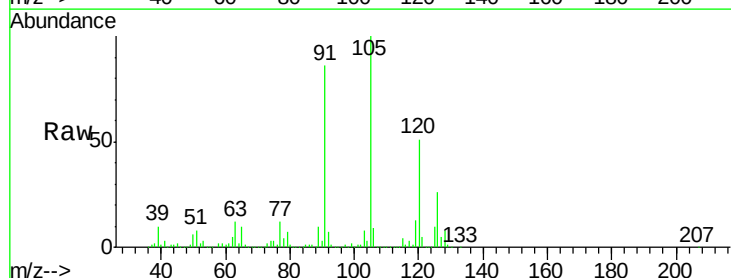
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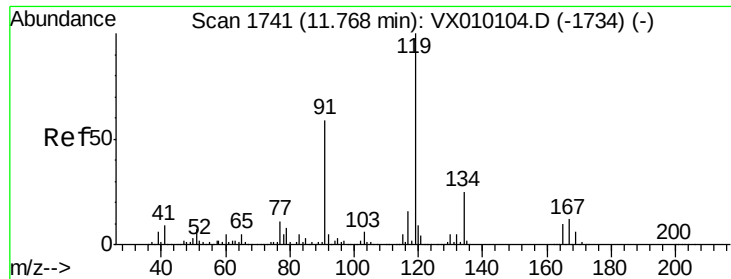
MMDadoda
6/10/2019 10:53:31 AM



#82
4-Chlorotoluene
Concen: 19.405 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	14.2	42.6





#83

tert-Butylbenzene

Concen: 19.930 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

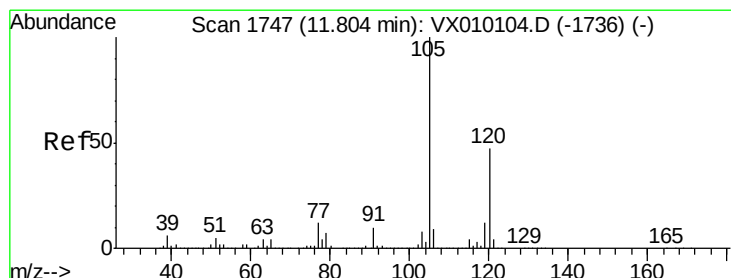
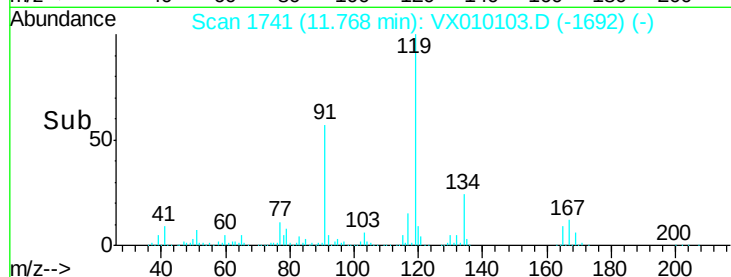
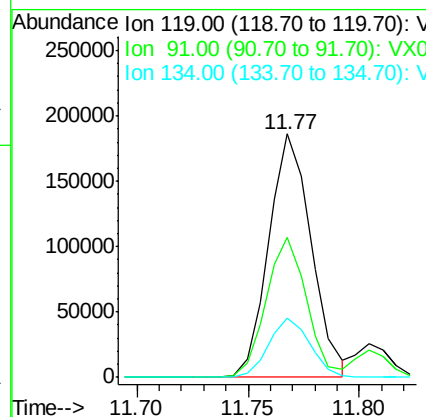
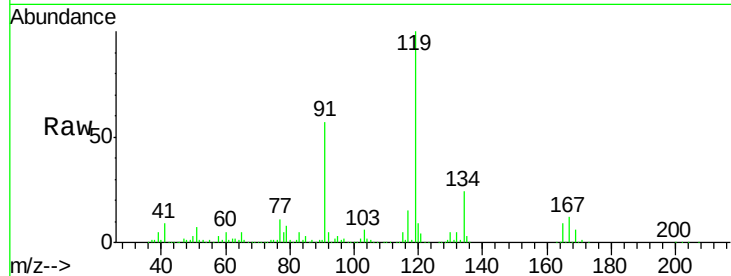
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	246805
Ion Ratio	Lower	Upper	
119	100		
91	54.7	30.0	90.0
134	23.3	11.2	33.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.770 ug/l

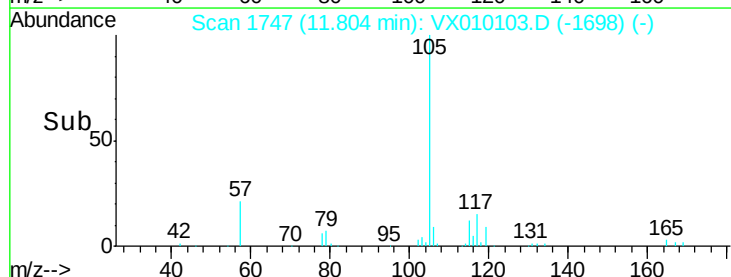
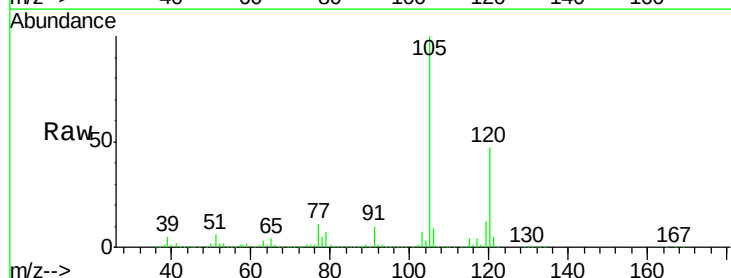
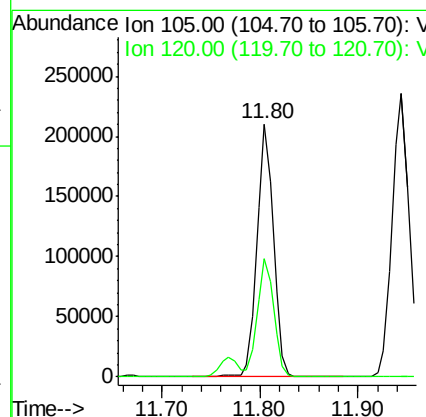
RT: 11.80 min Scan# 1747

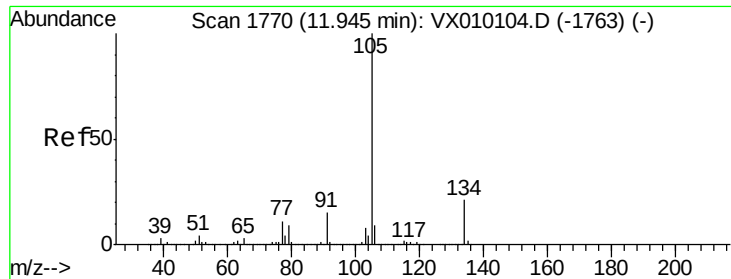
Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion:	105	Resp:	245339
Ion Ratio	Lower	Upper	
105	100		
120	47.2	22.1	66.1





#85

sec-Butylbenzene

Concen: 19.636 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 284426

Ion Ratio Lower Upper

105 100

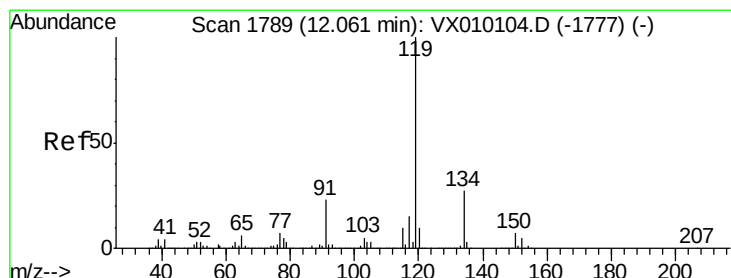
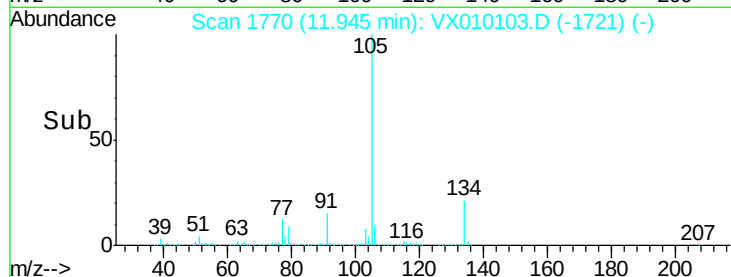
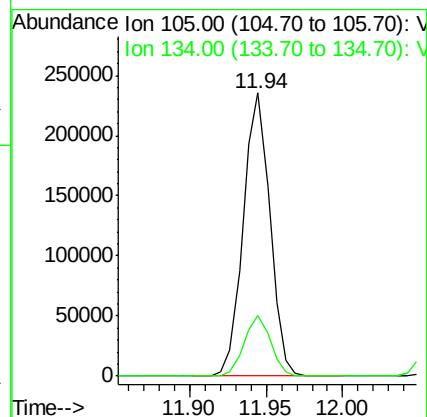
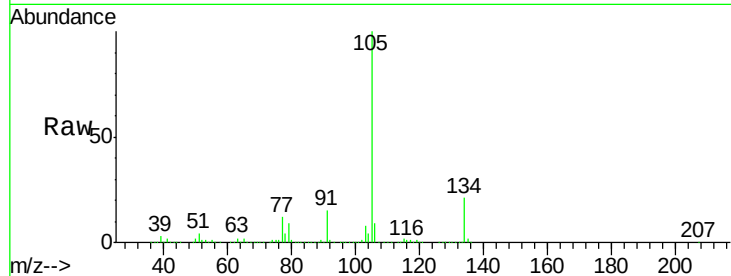
134 21.3 9.7 28.9

Manual Integrations

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6/10/2019 10:53:31 AM



#86

p-Isopropyltoluene

Concen: 19.769 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

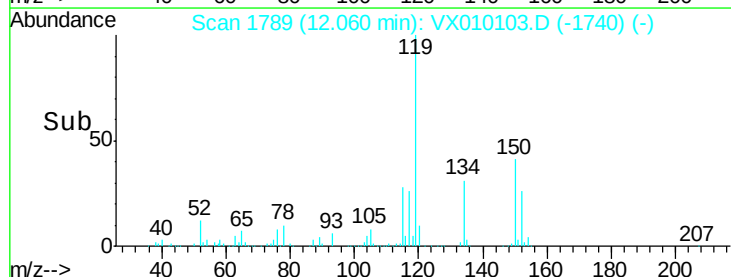
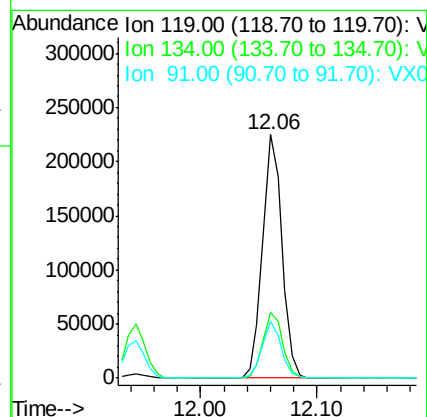
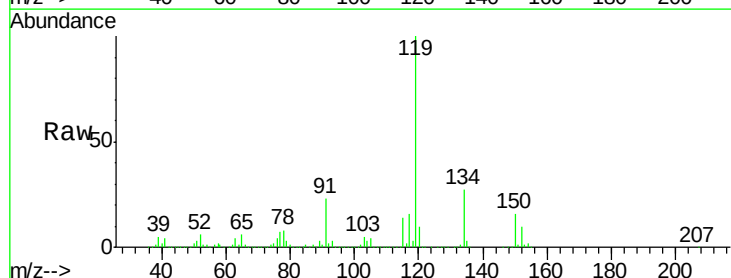
Tgt Ion:119 Resp: 263480

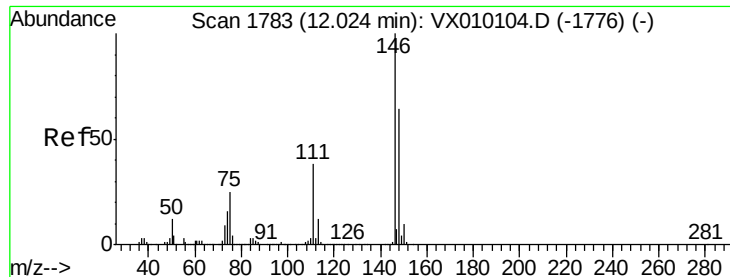
Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

91 22.6 11.9 35.9





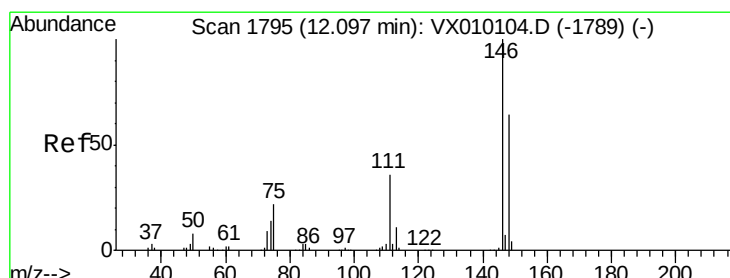
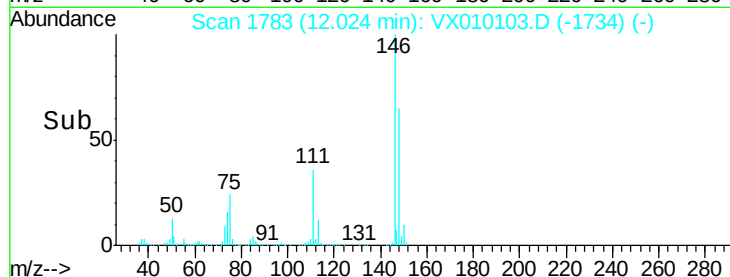
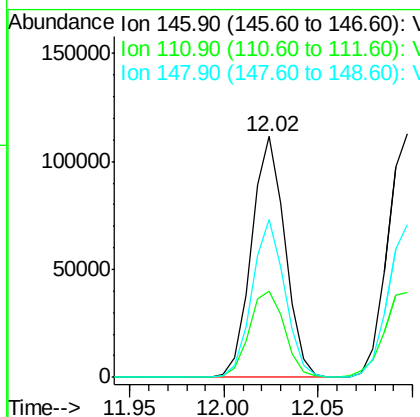
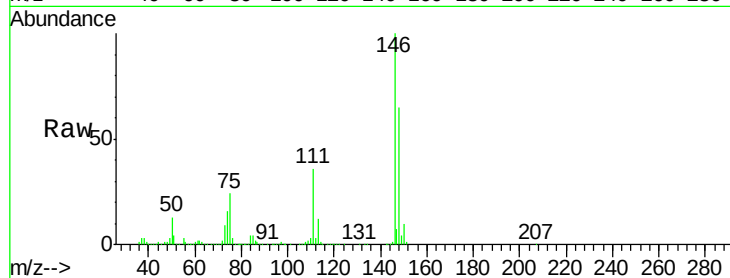
#87
 1,3-Dichlorobenzene
 Concen: 19.420 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	137353		
111	37.9	20.1	60.2	
148	64.1	31.9	95.5	

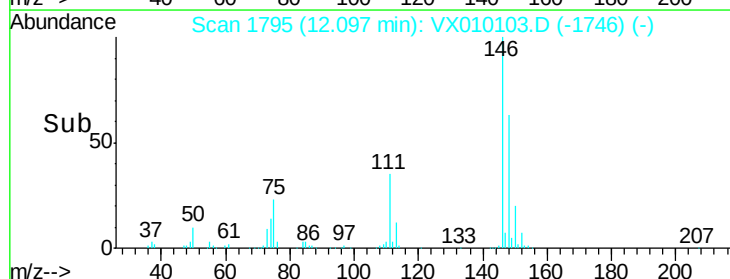
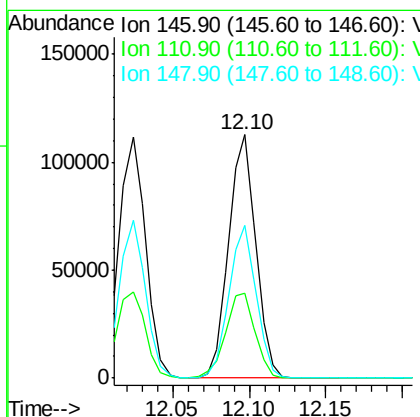
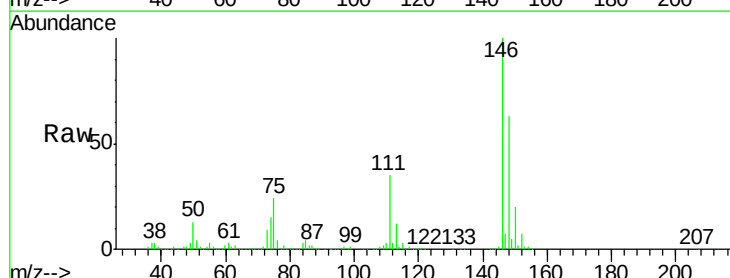
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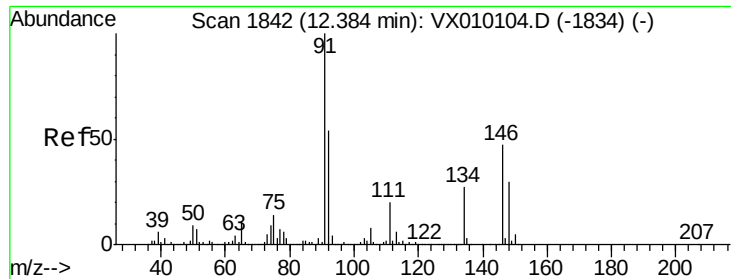
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.917 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	138748		
111	37.8	20.0	59.9	
148	62.8	32.3	96.9	





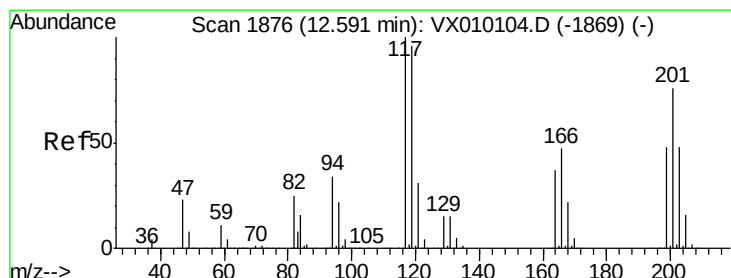
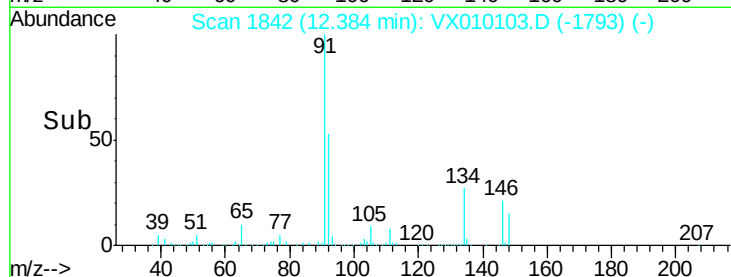
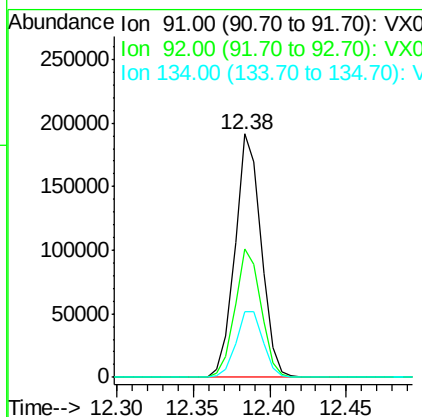
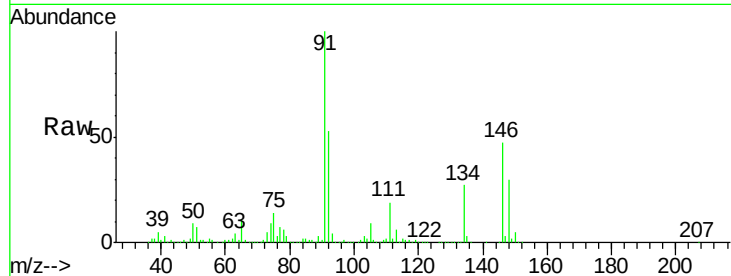
#89
n-Butylbenzene
Concen: 19.546 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	28.4	12.3	36.8

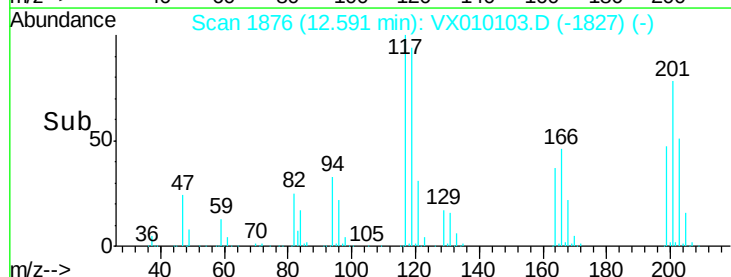
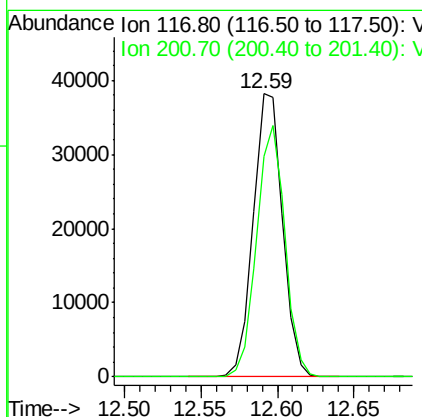
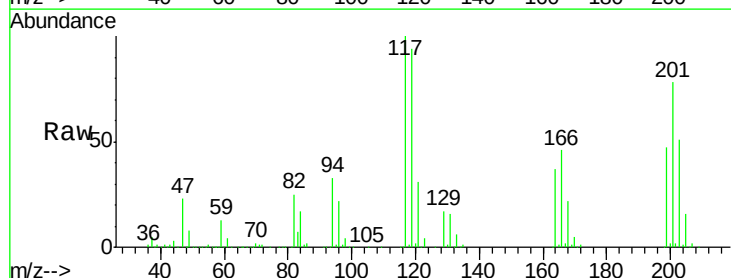
Manual Integrations
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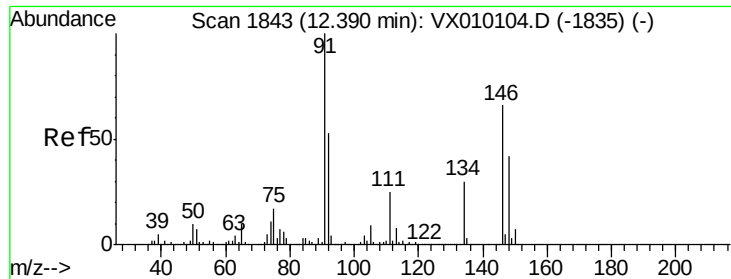
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#90
Hexachloroethane
Concen: 19.432 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010103.D
Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.6	130.9





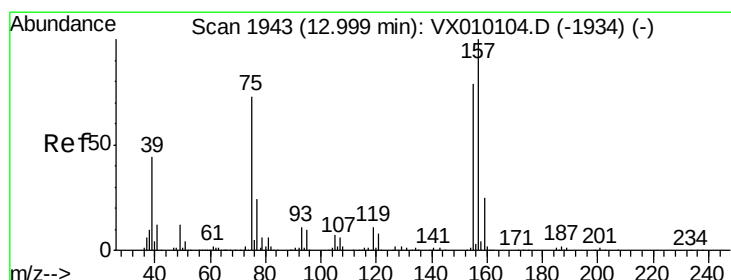
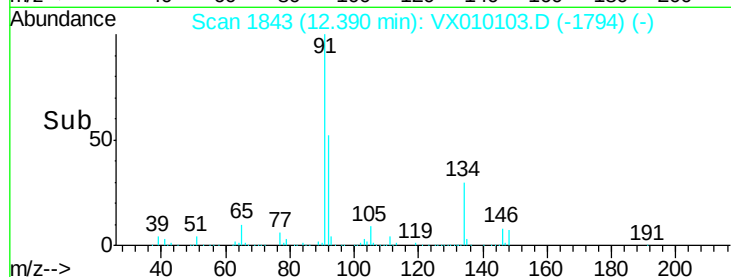
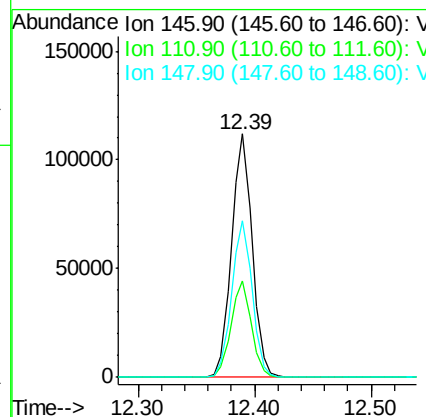
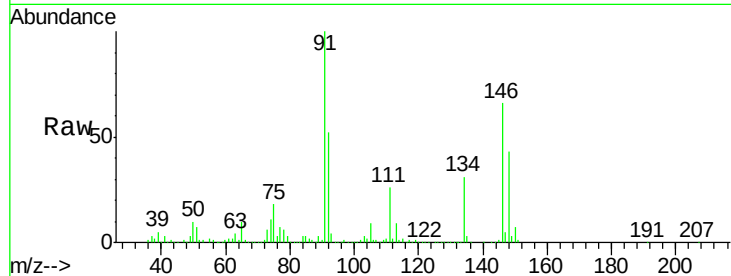
#91
 1,2-Dichlorobenzene
 Concen: 20.039 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.1	63.1
148	64.2	32.3	96.8

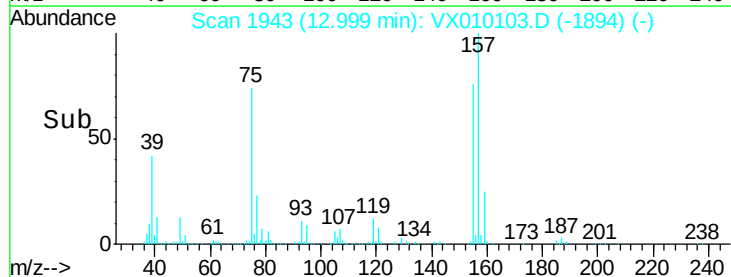
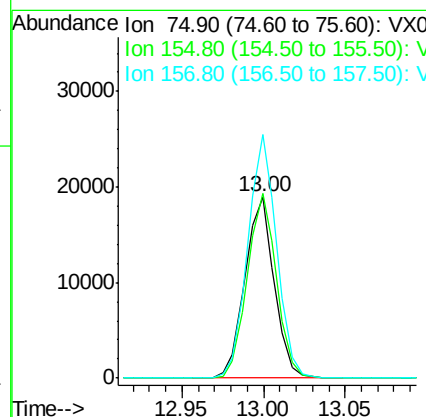
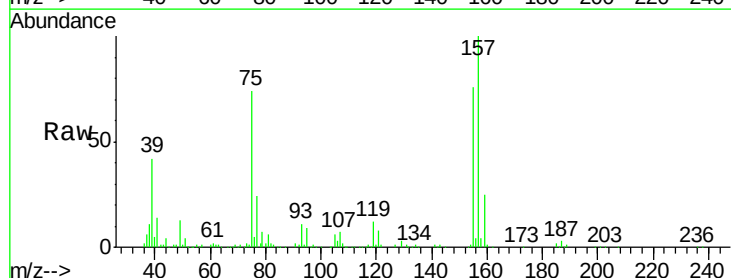
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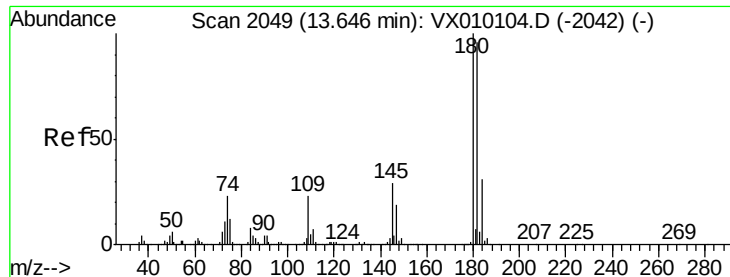
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.812 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	39.3	117.8
157	132.3	50.6	151.8





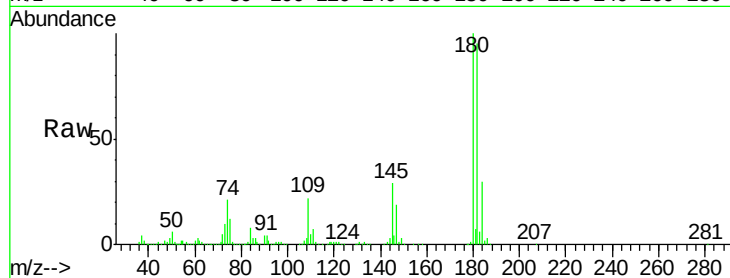
#93
 1,2,4-Trichlorobenzene
 Concen: 19.777 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

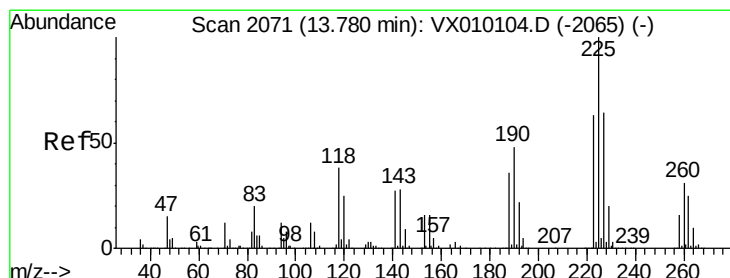
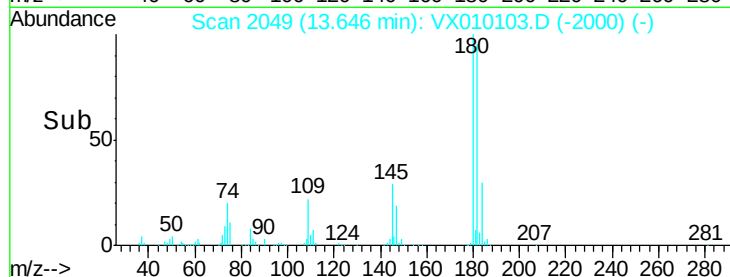
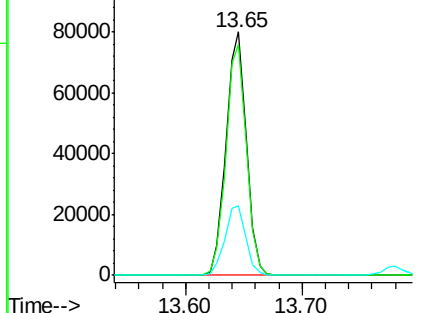
Tot Ion	Ratio	Resp	Lower	Upper
180	100	96647		
182	95.2	47.4	142.2	
145	29.4	14.5	43.5	

Manual Integrations
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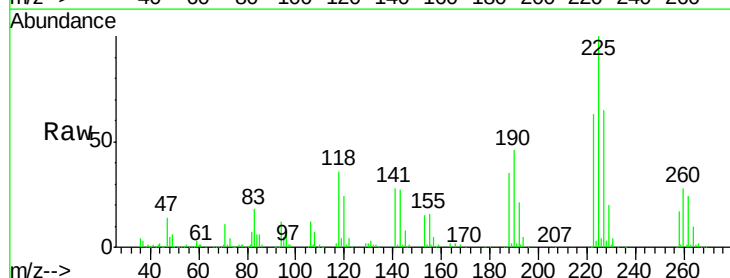


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

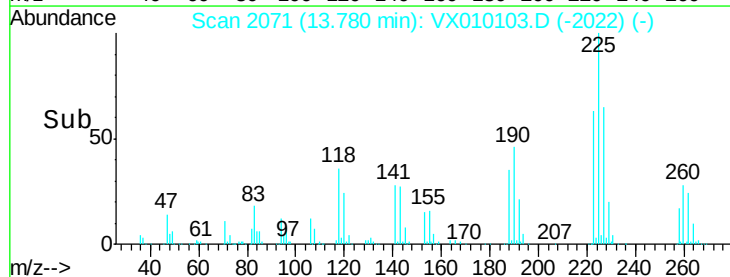
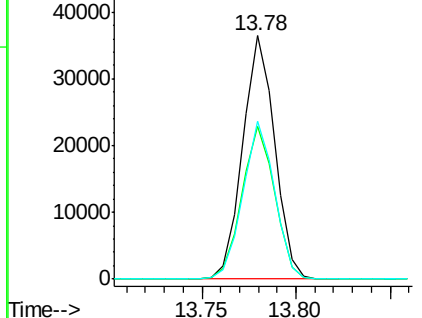


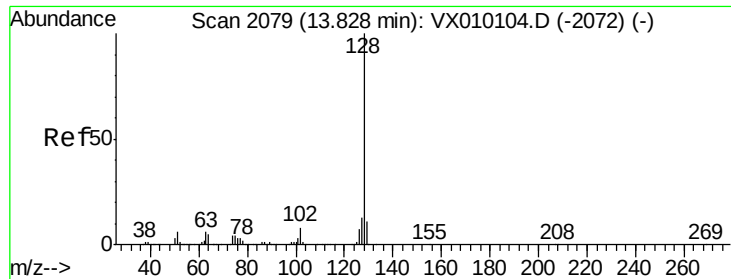
#94
 Hexachlorobutadiene
 Concen: 19.745 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010103.D
 Acq: 07 Jun 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42917		
223	64.1	31.3	93.8	
227	64.3	32.3	96.8	



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





#95

Naphthalene

Concen: 19.864 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_X

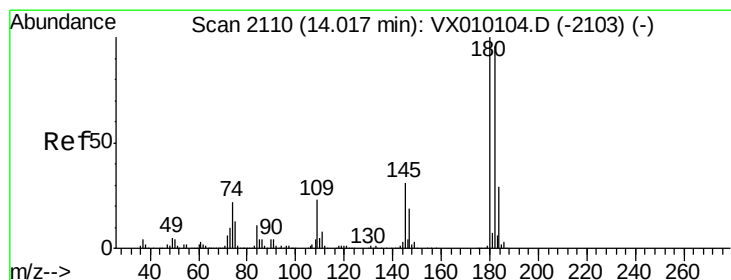
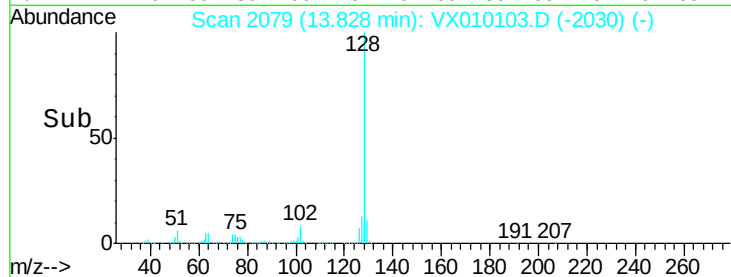
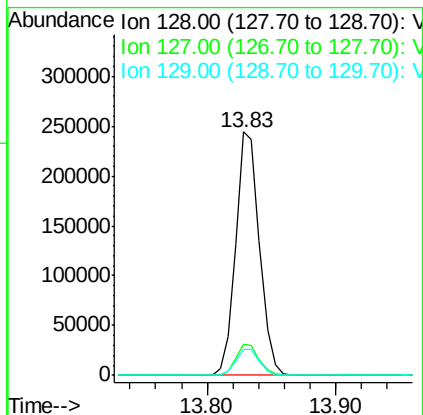
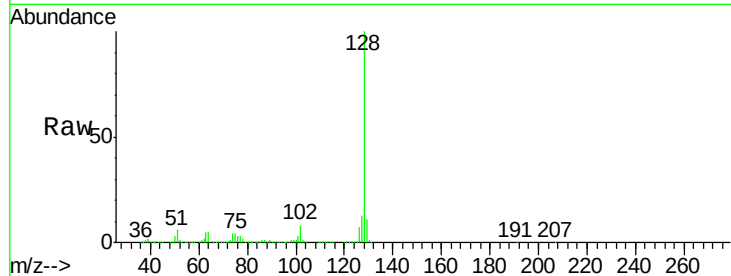
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	313108
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.937 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion:	180	Resp:	96561
Ion Ratio		Lower	Upper
180	100		
182	93.8	47.3	142.0
145	30.9	15.6	46.7

