

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041119\
 Data File : VX008850.D
 Acq On : 11 Apr 2019 14:34
 Operator : JC/SP
 Sample : VX0411MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:45:54 AM

Quant Time: Apr 12 08:01:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	151463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	251013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105768	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	113582	51.41	ug/l	0.00
Spiked Amount						
			Recovery	=	102.82%	
35) Dibromofluoromethane	5.50	113	84999	52.96	ug/l	0.00
Spiked Amount						
			Recovery	=	105.92%	
50) Toluene-d8	8.71	98	341584	53.45	ug/l	0.00
Spiked Amount						
			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	11.13	95	125046	55.18	ug/l	0.00
Spiked Amount						
			Recovery	=	110.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42077	24.134	ug/l	99
3) Chloromethane	1.32	50	53571	24.200	ug/l	99
4) Vinyl Chloride	1.40	62	47868	20.310	ug/l	99
5) Bromomethane	1.64	94	28011	25.102	ug/l	100
6) Chloroethane	1.71	64	28413	20.274	ug/l	100
7) Trichlorofluoromethane	1.92	101	51864	19.907	ug/l	100
8) Diethyl Ether	2.19	74	24506	19.835	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32805	19.557	ug/l	97
10) Methyl Iodide	2.51	142	35546	25.408	ug/l	99
11) Tert butyl alcohol	3.05	59	56091	108.452	ug/l	100
12) 1,1-Dichloroethene	2.37	96	34917	19.941	ug/l	95
13) Acrolein	2.29	56	29985	116.922	ug/l	98
14) Allyl chloride	2.73	41	81344	20.292	ug/l	98
15) Acrylonitrile	3.14	53	140755	102.730	ug/l	100
16) Acetone	2.44	43	119818	94.165	ug/l	96
17) Carbon Disulfide	2.57	76	104405	20.207	ug/l	100
18) Methyl Acetate	2.77	43	60560	19.624	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	129812	20.759	ug/l	99
20) Methylene Chloride	2.85	84	42169	19.799	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	36983	19.526	ug/l	94
22) Diisopropyl ether	3.85	45	159118	20.595	ug/l	92
23) Vinyl Acetate	3.81	43	714744	106.341	ug/l	99
24) 1,1-Dichloroethane	3.70	63	76908	20.105	ug/l	98
25) 2-Butanone	4.67	43	205417	102.142	ug/l	98
26) 2,2-Dichloropropane	4.58	77	53135	19.722	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	42615	19.570	ug/l	99
28) Bromochloromethane	5.02	49	37307	21.630	ug/l	100
29) Tetrahydrofuran	5.13	42	135406	101.442	ug/l	99
30) Chloroform	5.21	83	69267	20.273	ug/l	97
31) Cyclohexane	5.58	56	75330	19.736	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	57108	20.684	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53282	19.419	ug/l	99
37) Ethyl Acetate	4.83	43	77786	21.239	ug/l	99
38) Carbon Tetrachloride	5.78	117	46041	20.274	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65995	19.470	ug/l	99
40) Benzene	6.14	78	166678	20.391	ug/l	99
41) Methacrylonitrile	5.04	41	43839	20.824	ug/l	98
42) 1,2-Dichloroethane	6.19	62	59943	20.455	ug/l	100
43) Isopropyl Acetate	6.45	43	120815	21.058	ug/l	99
44) Trichloroethene	7.21	130	38850	20.406	ug/l	98
45) 1,2-Dichloropropane	7.51	63	46902	20.103	ug/l	99
46) Dibromomethane	7.66	93	26747	19.766	ug/l	98
47) Bromodichloromethane	7.90	83	51618	20.231	ug/l	99
48) Methyl methacrylate	7.77	41	61670	21.250	ug/l	98
49) 1,4-Dioxane	7.74	88	23648	434.979	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	404078	109.410	ug/l	100
52) Toluene	8.78	92	99529	20.653	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59292	20.746	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	65291	19.993	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	39551	20.446	ug/l	99
56) Ethyl methacrylate	9.18	69	74799	21.371	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71567	20.603	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	168886	94.500	ug/l	99
59) 2-Hexanone	9.49	43	311706	108.601	ug/l	100
60) Dibromochloromethane	9.58	129	37767	20.719	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41512	20.614	ug/l	100
64) Tetrachloroethene	9.34	164	35330	21.157	ug/l	98
65) Chlorobenzene	10.14	112	100685	20.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35499	20.253	ug/l	99
67) Ethyl Benzene	10.25	91	190177	20.413	ug/l	98
68) m/p-Xylenes	10.36	106	137497	41.048	ug/l	99
69) o-Xylene	10.69	106	67388	20.759	ug/l	100
70) Styrene	10.71	104	117068	20.921	ug/l	100
71) Bromoform	10.85	173	27868	20.818	ug/l #	97
73) Isopropylbenzene	11.02	105	177657	20.268	ug/l	100
74) N-amyl acetate	10.90	43	106606	20.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66051	19.814	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	58063m	19.983	ug/l	
77) Bromobenzene	11.26	156	43426	20.609	ug/l	98
78) n-propylbenzene	11.36	91	204361	20.023	ug/l	99
79) 2-Chlorotoluene	11.42	91	123755	20.037	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	150046	20.393	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	21070	19.989	ug/l	95
82) 4-Chlorotoluene	11.51	91	141105	19.737	ug/l	99
83) tert-Butylbenzene	11.77	119	140753	19.884	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	151360	20.316	ug/l	99
85) sec-Butylbenzene	11.94	105	169552	20.165	ug/l	99
86) p-Isopropyltoluene	12.06	119	153282	20.311	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	75037	19.891	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75301	19.713	ug/l	99
89) n-Butylbenzene	12.38	91	139866	19.762	ug/l	100
90) Hexachloroethane	12.60	117	24314	19.425	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	75912	20.268	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14182	19.339	ug/l	97

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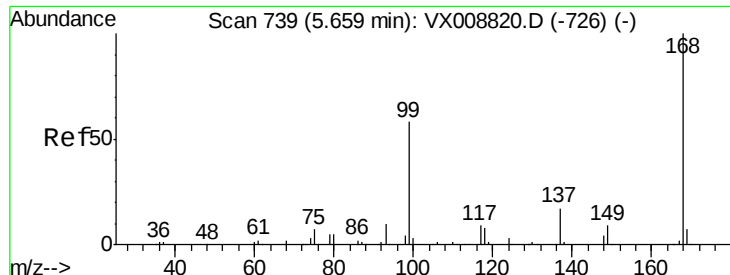
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51791	19.888	ug/l	99
94) Hexachlorobutadiene	13.78	225	26545	21.254	ug/l	99
95) Naphthalene	13.83	128	174367	20.033	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52207	20.065	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion:168 Resp: 151463

Ion Ratio Lower Upper

168 100

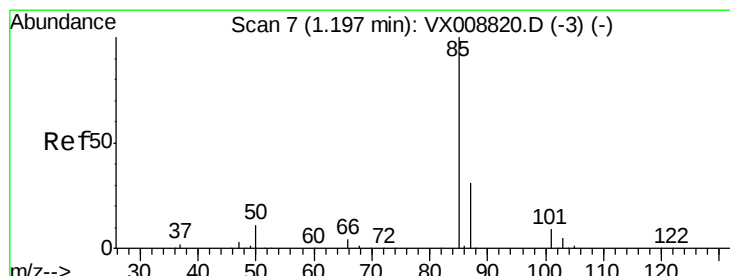
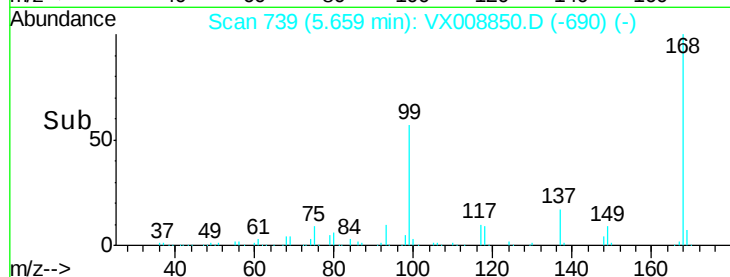
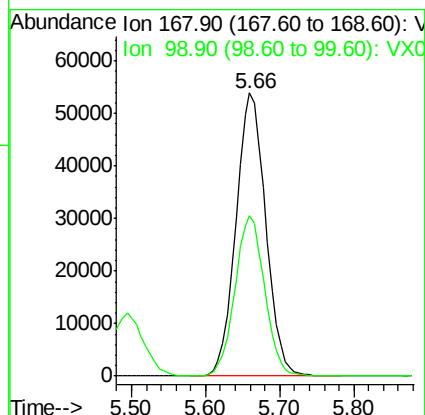
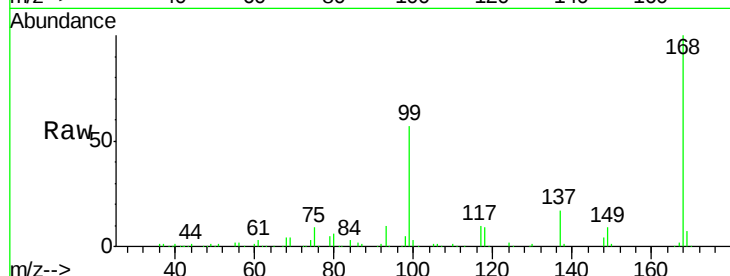
99 56.6 46.7 70.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 24.134 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008850.D

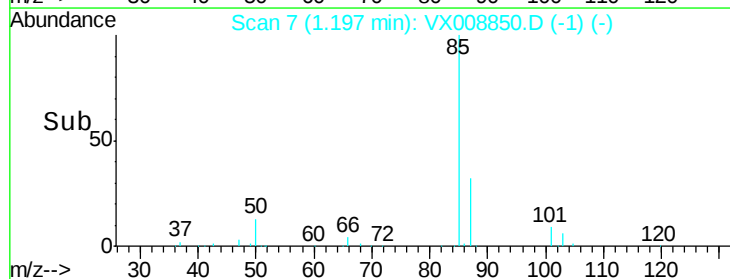
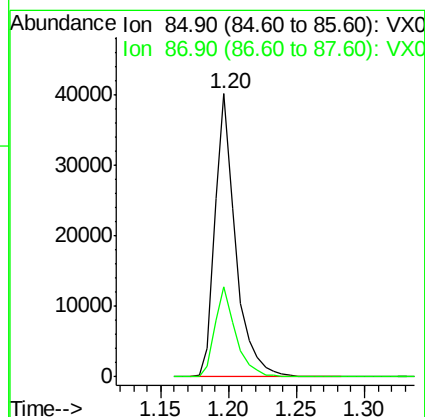
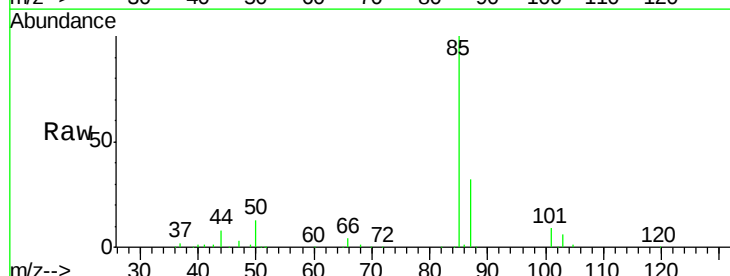
Acq: 11 Apr 2019 14:34

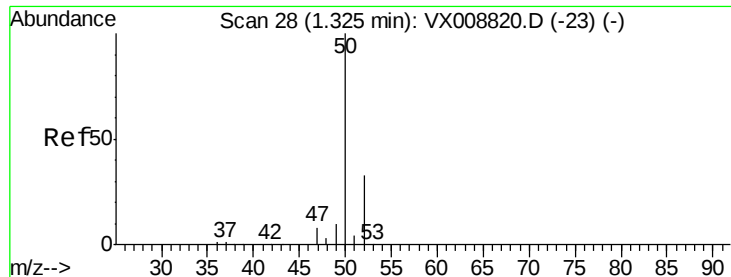
Tgt Ion: 85 Resp: 42077

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.3





#3

Chloromethane

Concen: 24.200 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion: 50 Resp: 53571

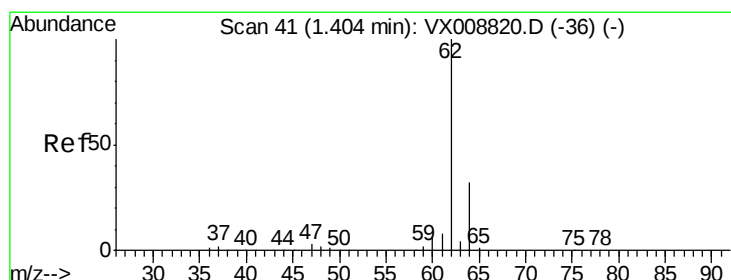
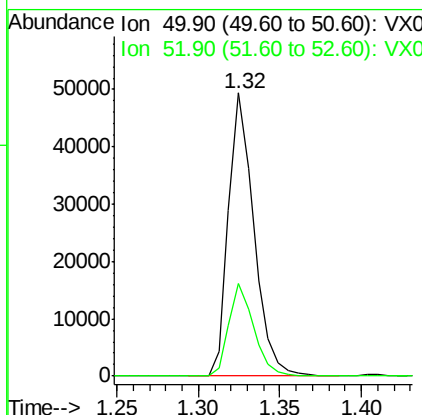
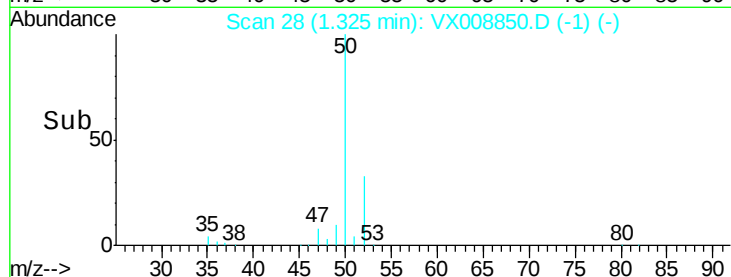
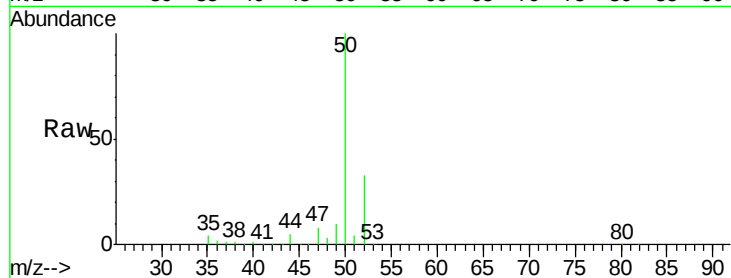
Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.310 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008850.D

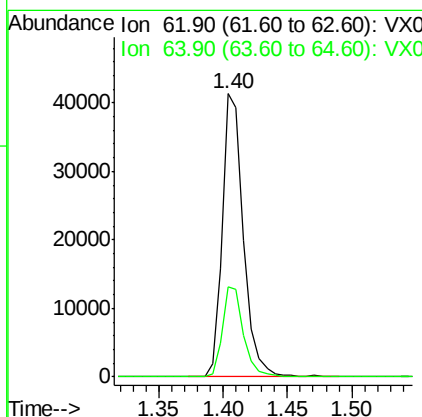
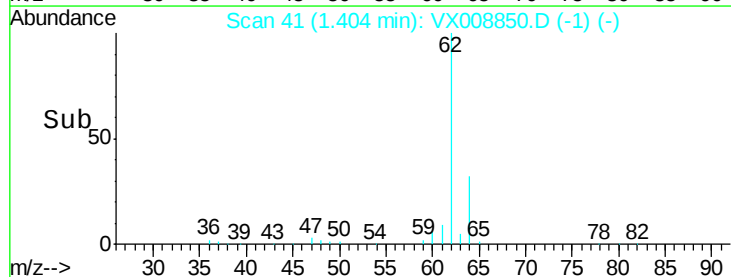
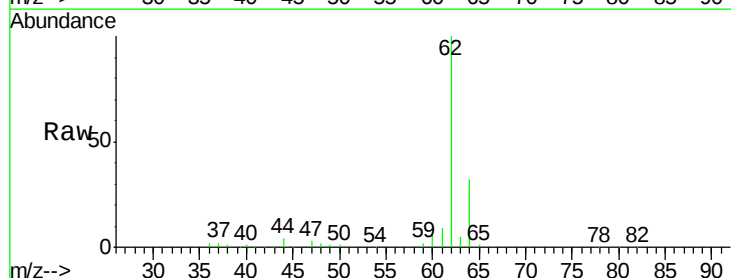
Acq: 11 Apr 2019 14:34

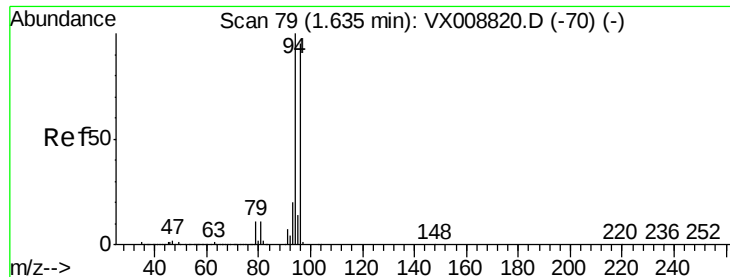
Tgt Ion: 62 Resp: 47868

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 25.102 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion: 94 Resp: 28011

Ion Ratio Lower Upper

94 100

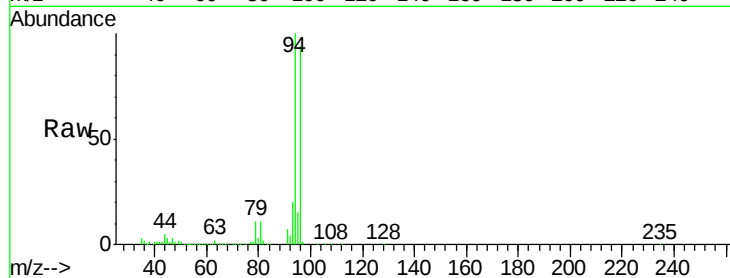
96 93.6 75.2 112.8

Manual Integrations

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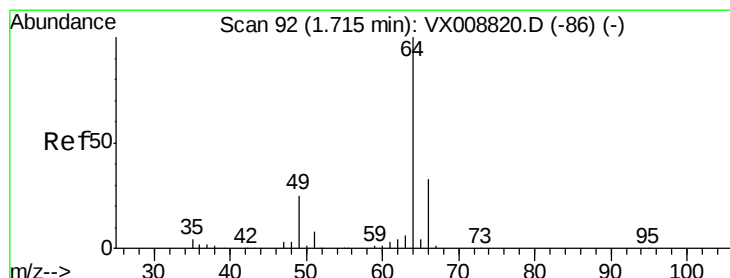
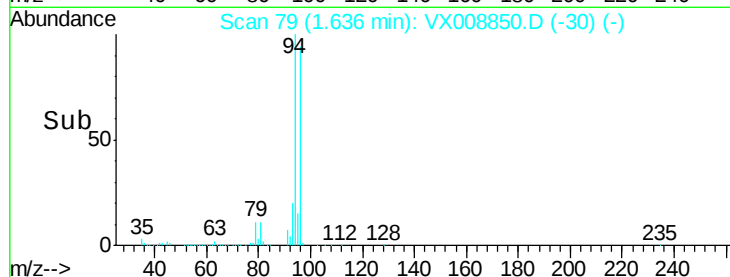
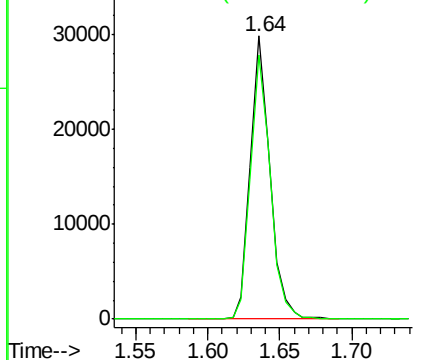
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.274 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008850.D

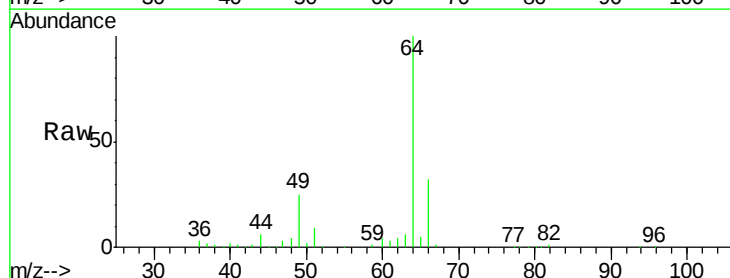
Acq: 11 Apr 2019 14:34

Tgt Ion: 64 Resp: 28413

Ion Ratio Lower Upper

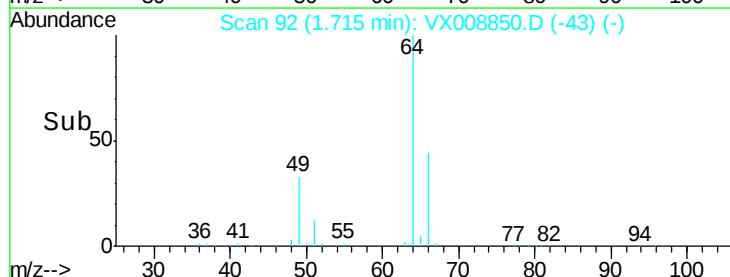
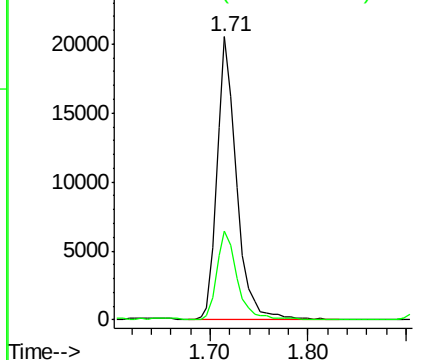
64 100

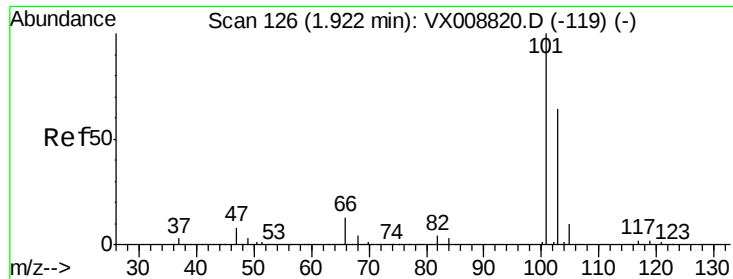
66 31.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

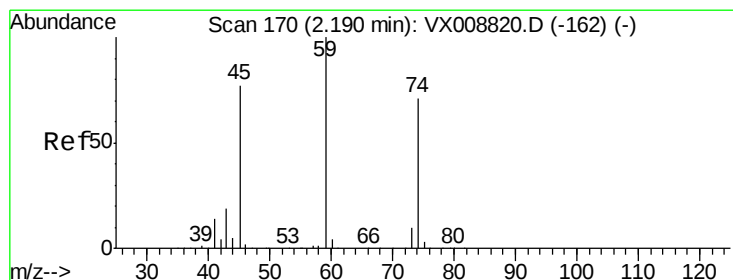
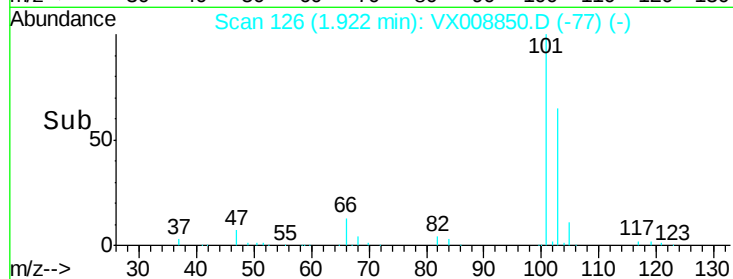
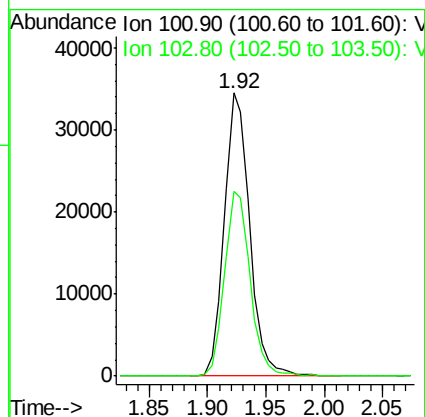
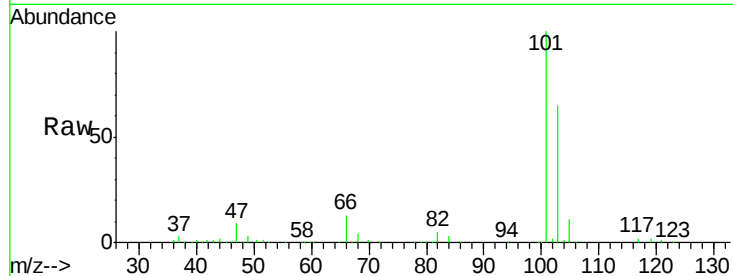
Trichlorofluoromethane
Concen: 19.907 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion:101 Resp: 51864
Ion Ratio Lower Upper
101 100
103 65.1 52.3 78.5

Manual Integrations
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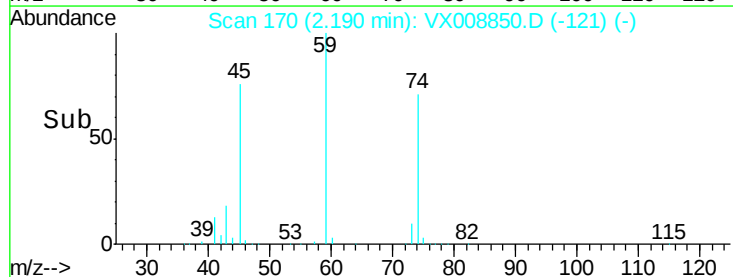
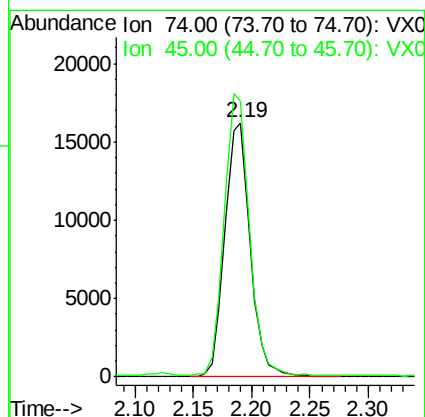
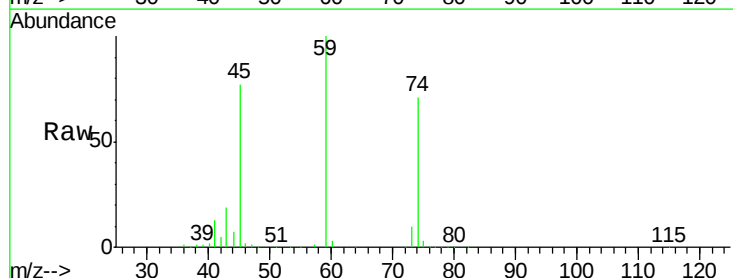
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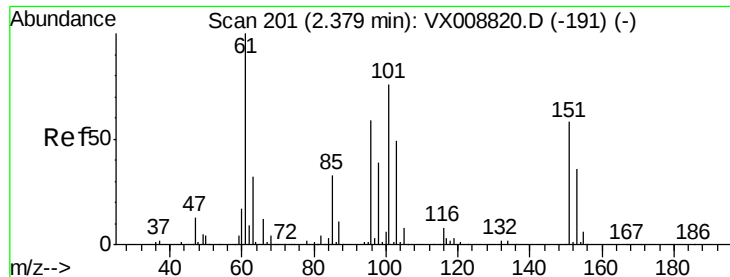


#8

Diethyl Ether
Concen: 19.835 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion: 74 Resp: 24506
Ion Ratio Lower Upper
74 100
45 109.5 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.557 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

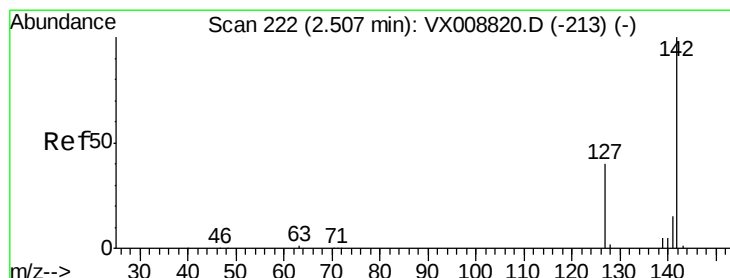
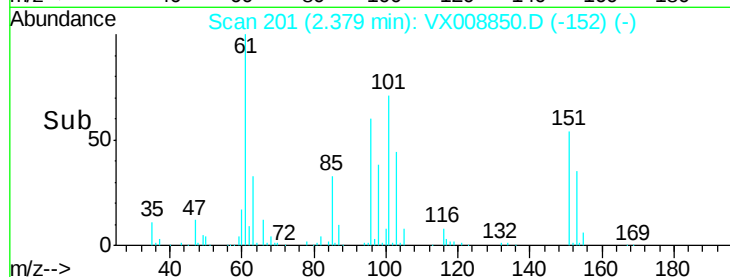
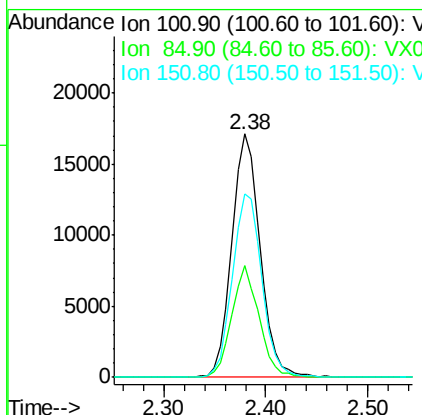
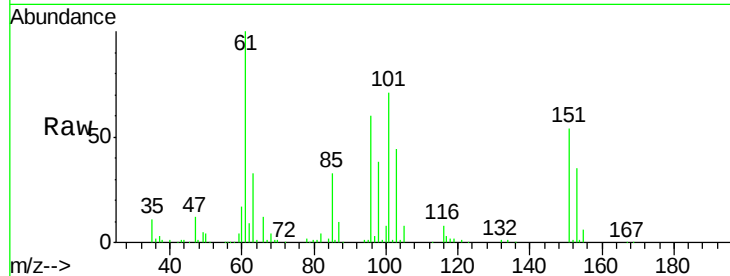
ClientSampleId :

VX0411MBS01

Tot Ion:	101	Resp:	32805
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	78.3	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 25.408 ug/l

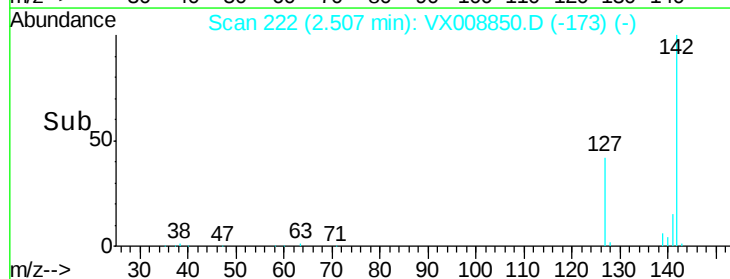
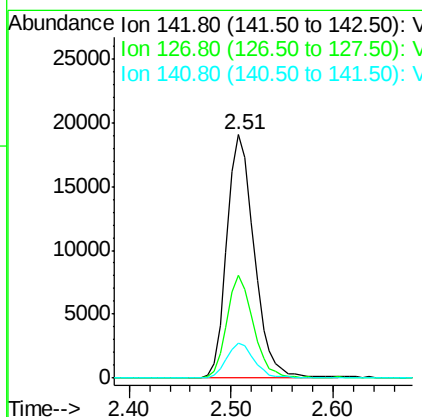
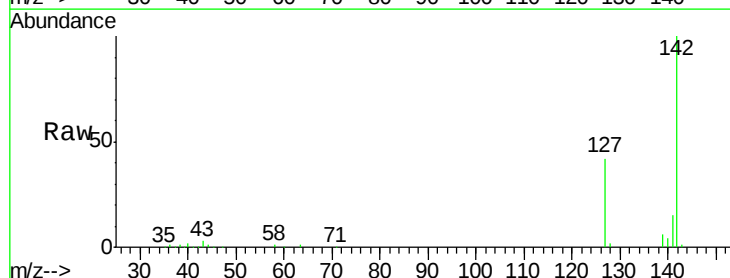
RT: 2.51 min Scan# 222

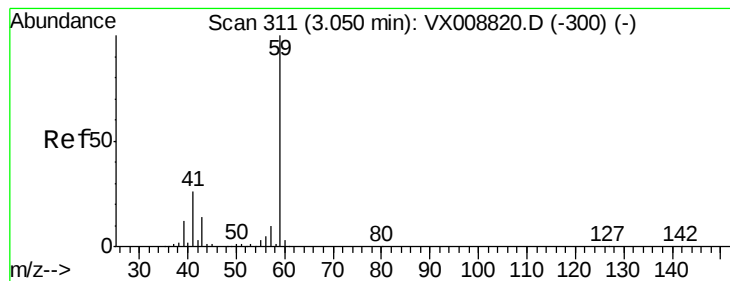
Delta R.T. 0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Tgt Ion:	142	Resp:	35546
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.0	49.6
141	14.4	11.4	17.2





#11

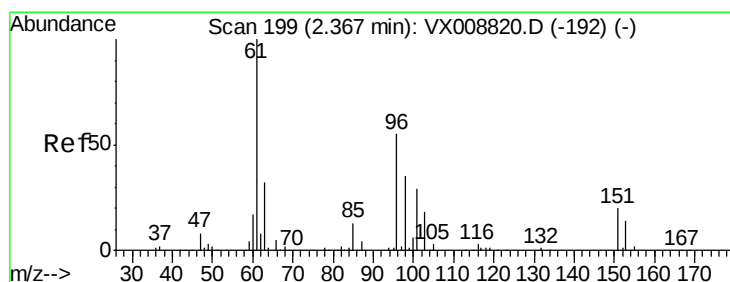
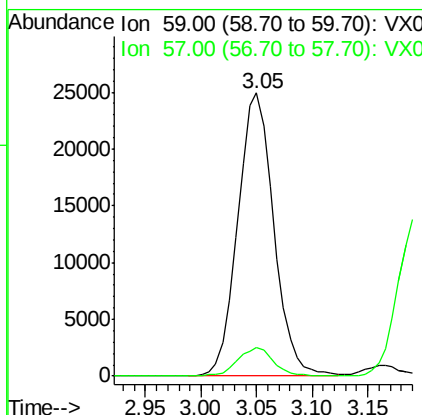
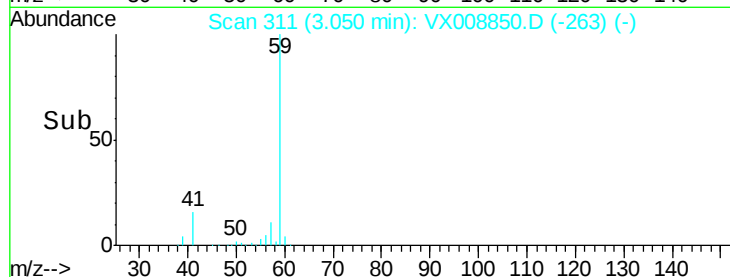
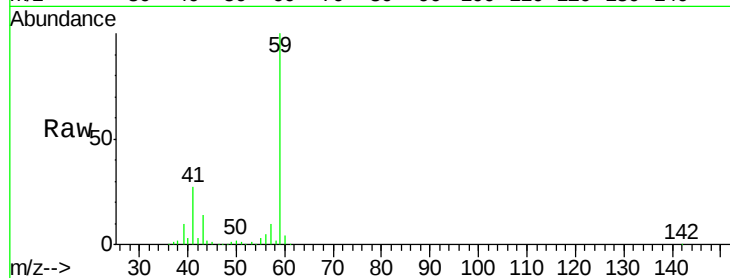
Tert butyl alcohol
Concen: 108.452 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Manual Integrations
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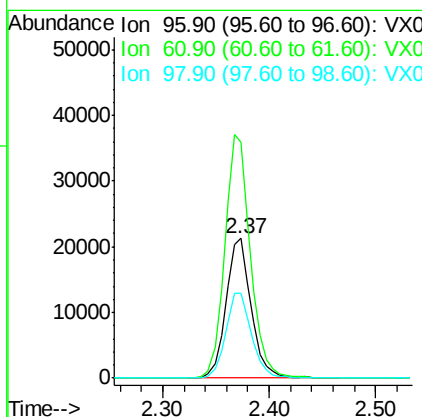
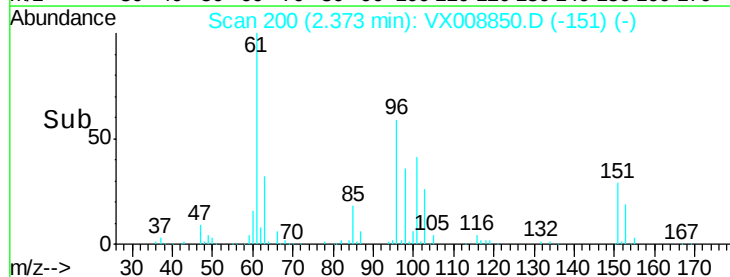
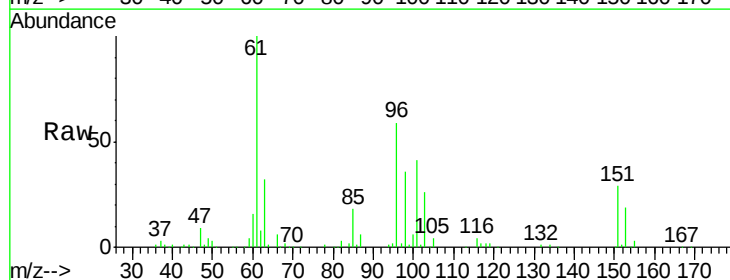
MMDadoda
4/12/2019 9:45:54 AM

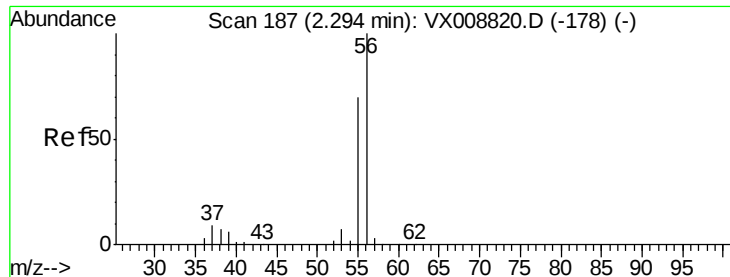


#12

1,1-Dichloroethene
Concen: 19.941 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	140.9	211.3
98	60.8	52.1	78.1





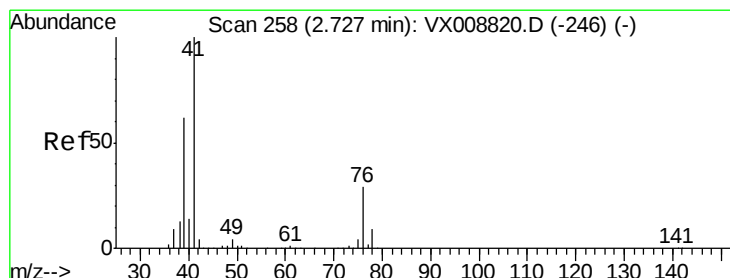
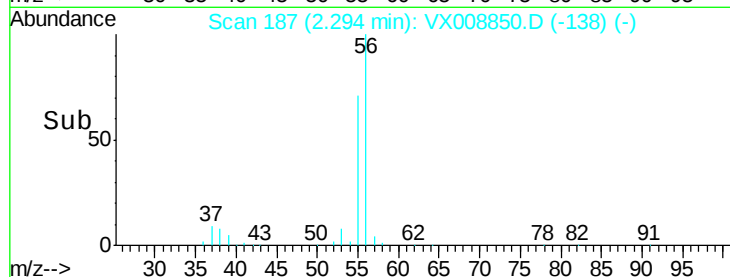
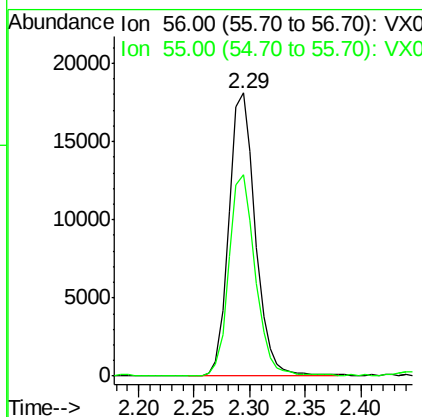
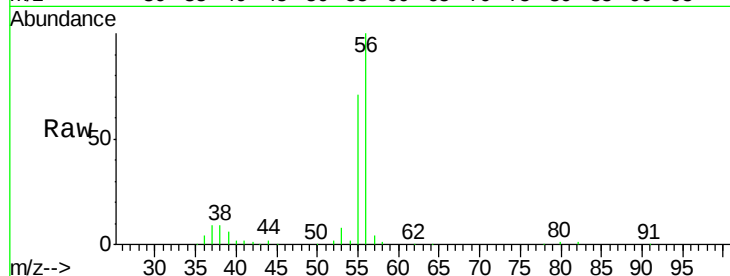
#13
Acrolein
Concen: 116.922 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	56	55	Ratio	100	Resp	29985	Lower	Upper
56	100							
55	71.2				58.0		87.0	

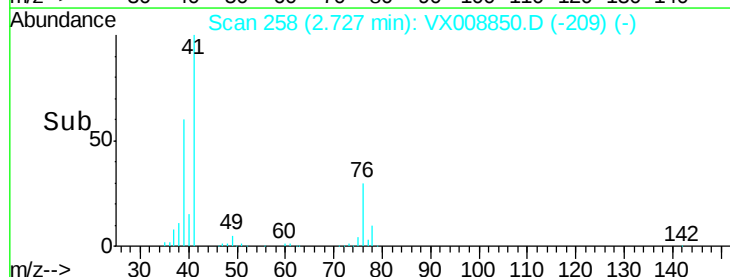
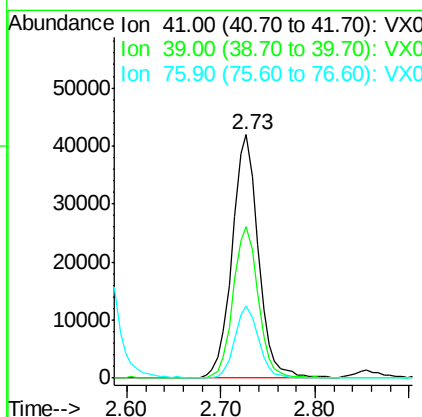
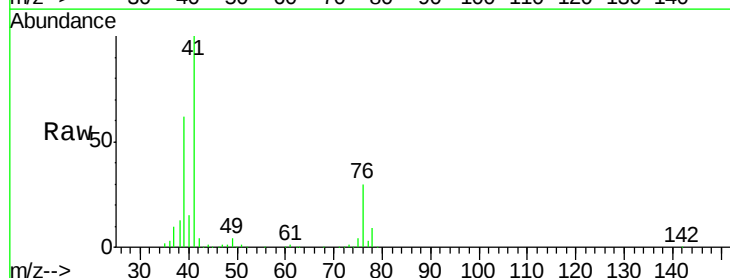
Manual Integrations
APPROVED

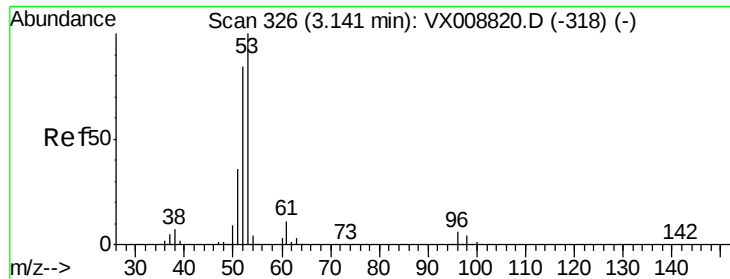
MMDadoda
4/12/2019 9:45:54 AM



#14
Allyl chloride
Concen: 20.292 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	41	39	76	Ratio	100	Resp	81344	Lower	Upper
41	100								
39	58.6					48.0		72.0	
76	27.0					22.0		33.0	





#15

Acrylonitrile

Concen: 102.730 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

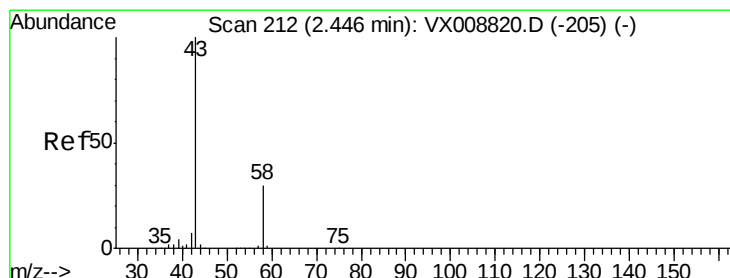
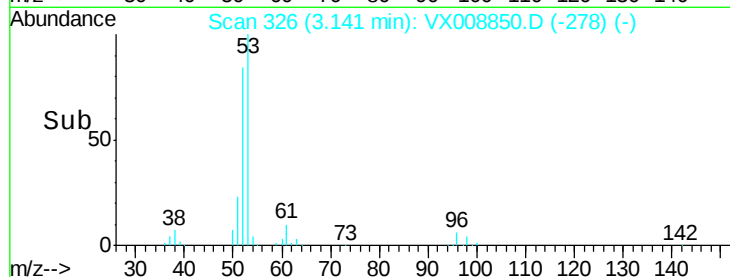
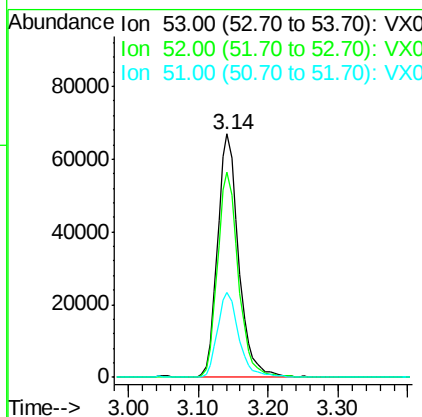
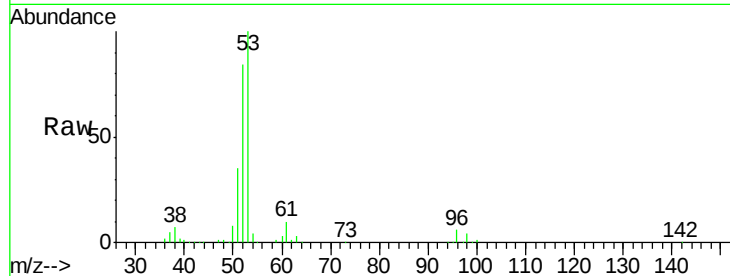
ClientSampleId :

VX0411MBS01

Tot Ion:	53	Resp:	140755
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.5	99.7
51	35.1	28.6	42.8

Manual Integrations
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MMDadoda
4/12/2019 9:45:54 AM



#16

Acetone

Concen: 94.165 ug/l

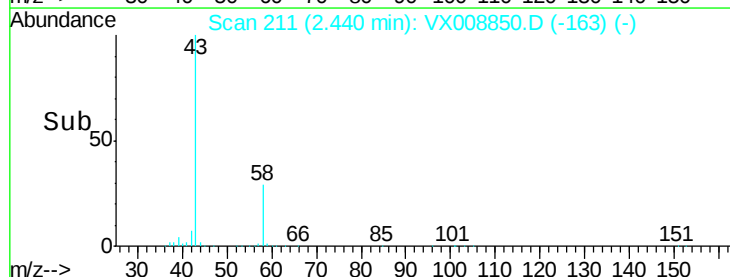
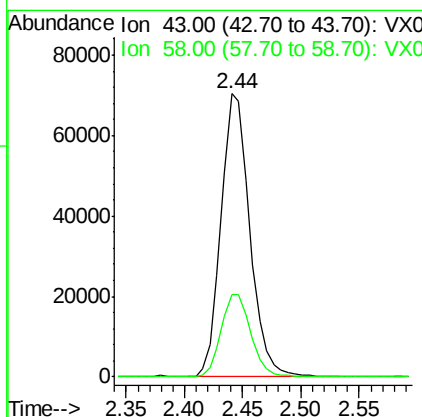
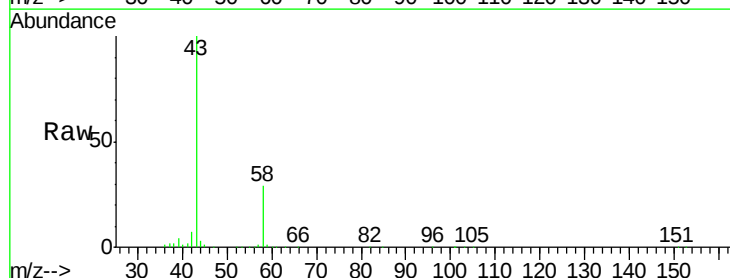
RT: 2.44 min Scan# 211

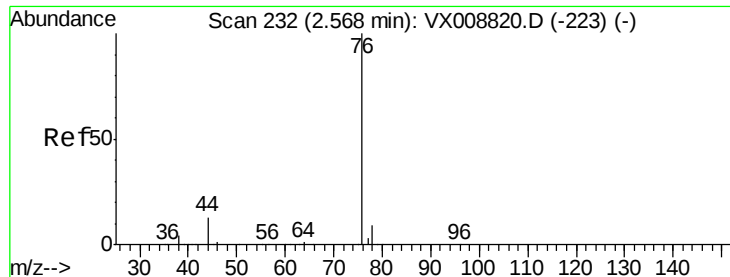
Delta R.T. -0.01 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Tgt Ion:	43	Resp:	119818
Ion Ratio		Lower	Upper
43	100		
58	29.1	24.8	37.2





#17

Carbon Disulfide

Concen: 20.207 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion: 76 Resp: 104405

Ion Ratio Lower Upper

76 100

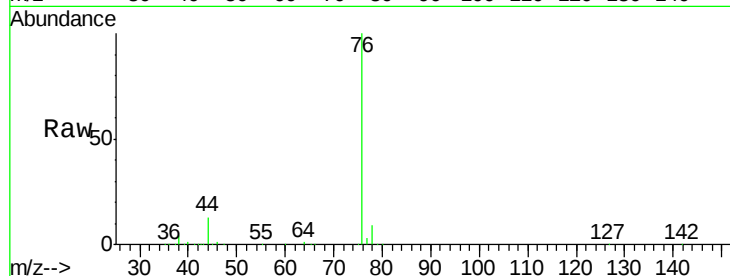
78 9.0 7.1 10.7

Manual Integrations

APPROVED

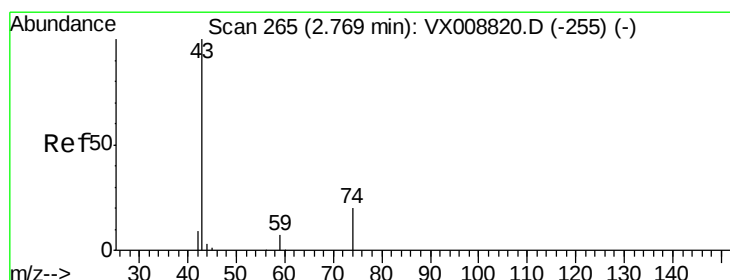
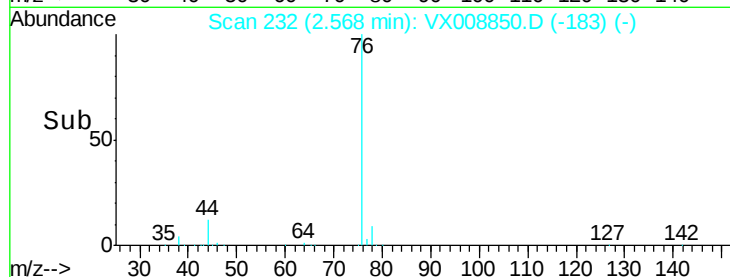
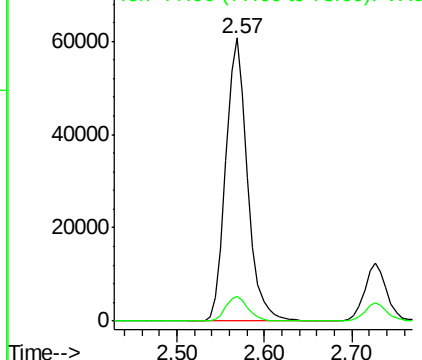
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4/12/2019 9:45:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.624 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008850.D

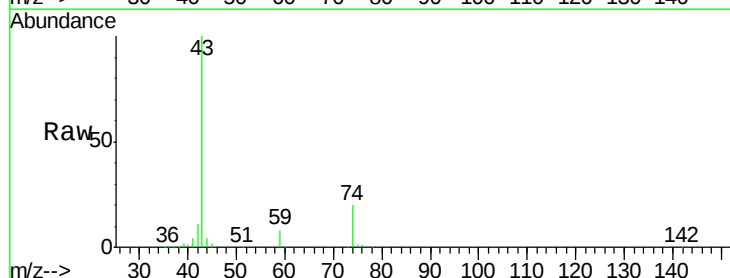
Acq: 11 Apr 2019 14:34

Tgt Ion: 43 Resp: 60560

Ion Ratio Lower Upper

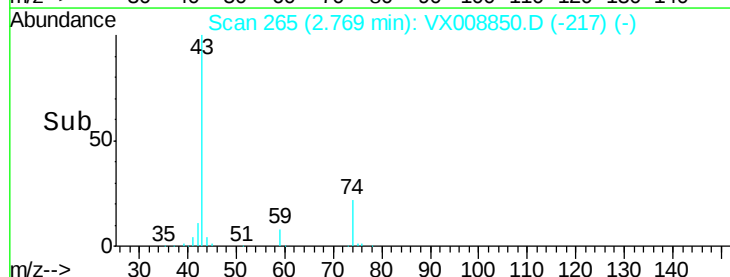
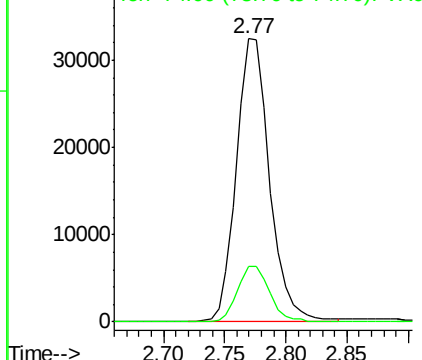
43 100

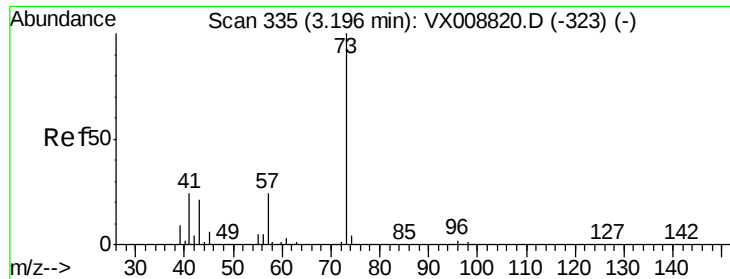
74 19.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

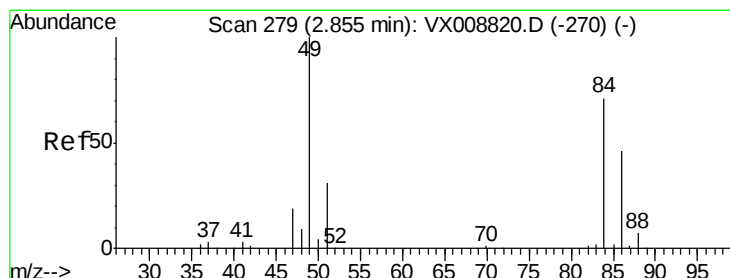
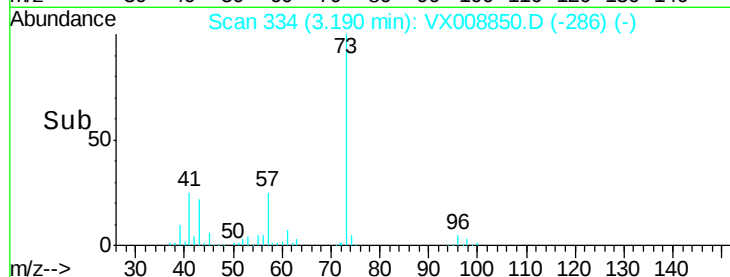
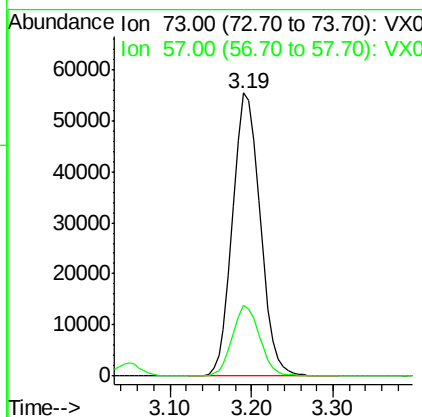
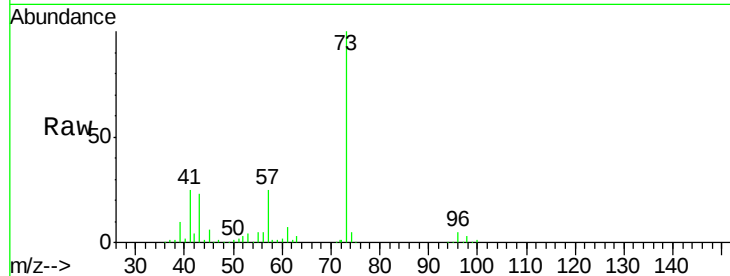
Methyl tert-butyl Ether
 Concen: 20.759 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.0	19.5	29.3

Manual Integrations
 APPROVED

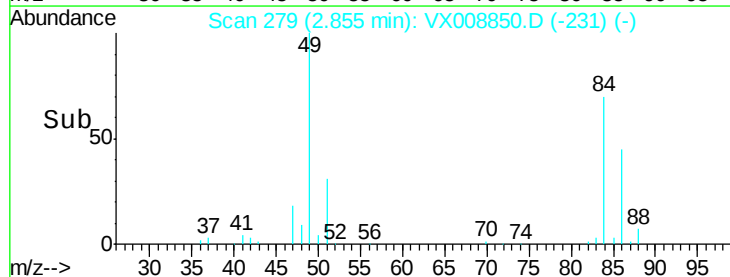
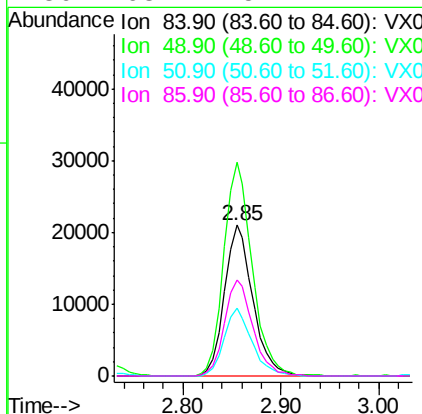
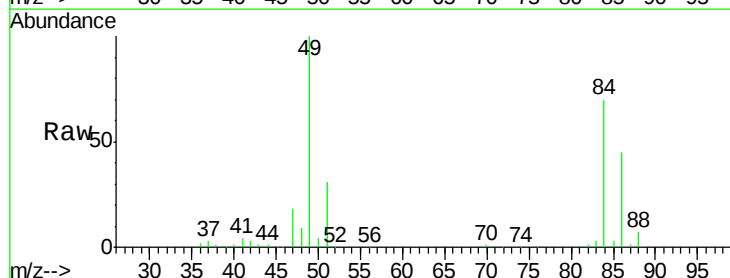
MMDadoda
 4/12/2019 9:45:54 AM

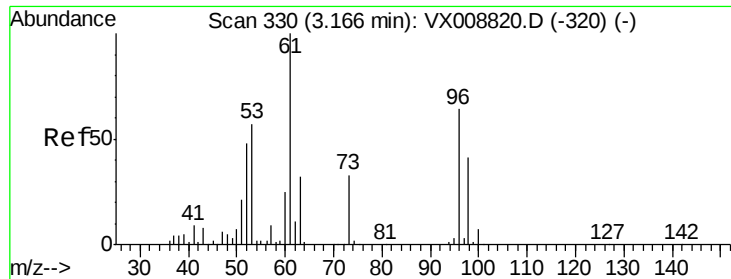


#20

Methylene Chloride
 Concen: 19.799 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.9	109.7	164.5
51	44.7	33.6	50.4
86	63.7	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 19.526 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

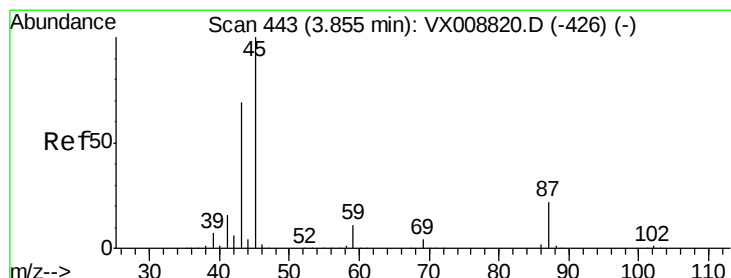
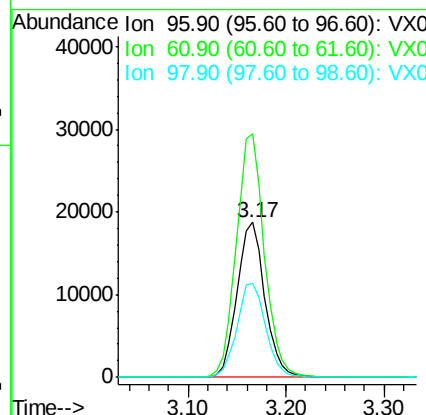
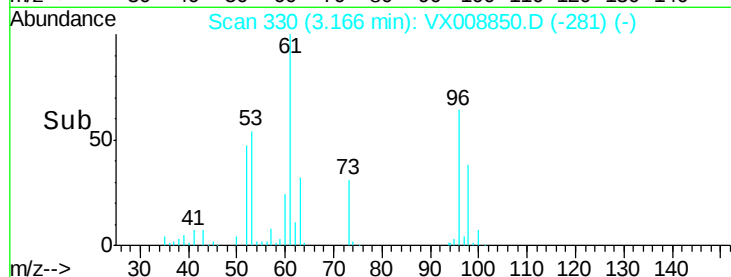
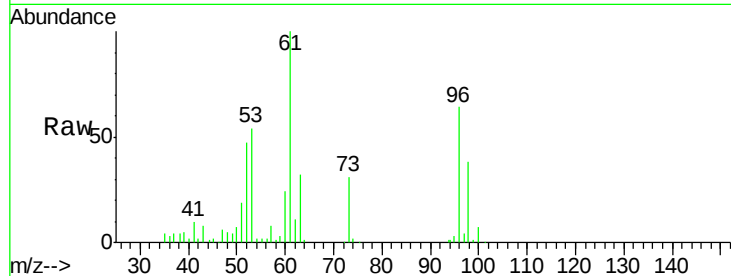
ClientSampleId :

VX0411MBS01

Tot Ion:	96	Resp:	36983
Ion	Ratio	Lower	Upper
96	100		
61	157.3	132.1	198.1
98	60.4	52.2	78.2

Manual Integrations
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4/12/2019 9:45:54 AM



#22

Diisopropyl ether

Concen: 20.595 ug/l

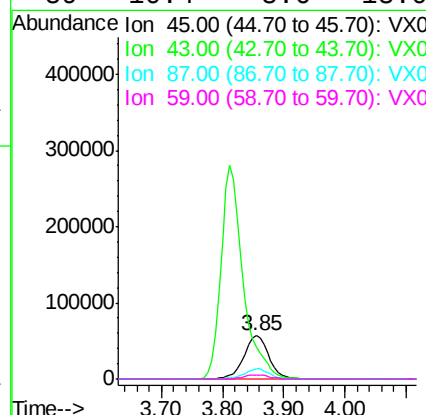
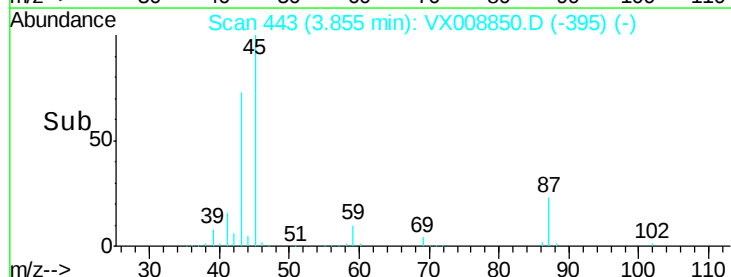
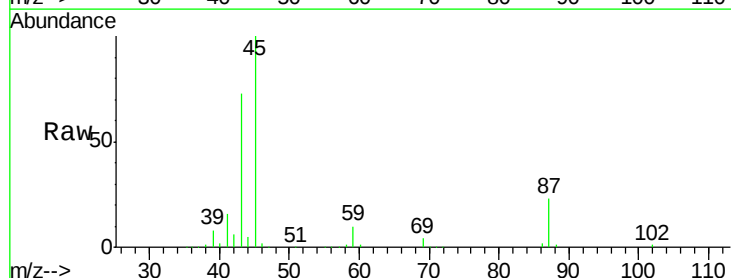
RT: 3.85 min Scan# 443

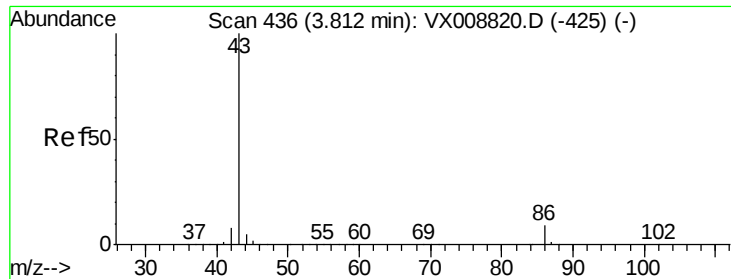
Delta R.T. -0.01 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Tgt Ion:	45	Resp:	159118
Ion	Ratio	Lower	Upper
45	100		
43	72.8	51.3	76.9
87	23.4	18.1	27.1
59	10.4	8.6	13.0





#23

Vinyl Acetate

Concen: 106.341 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion: 43 Resp: 714744

Ion Ratio Lower Upper

43 100

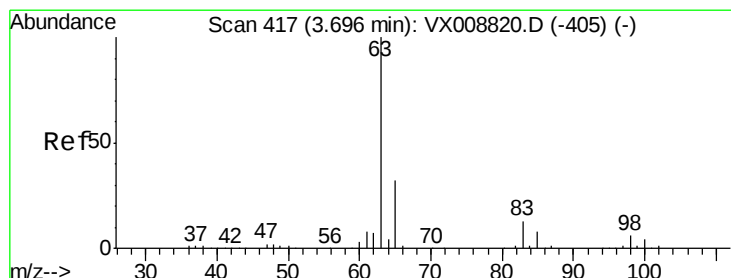
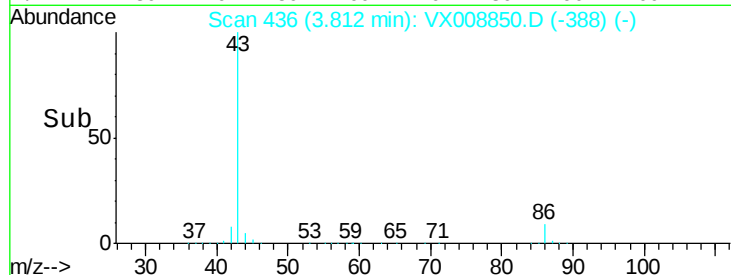
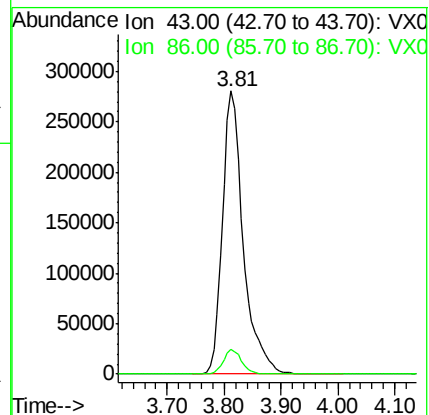
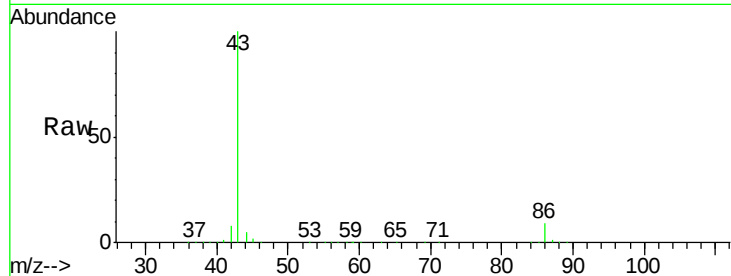
86 8.6 7.0 10.6

Manual Integrations

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MMDadoda

4/12/2019 9:45:54 AM



#24

1,1-Dichloroethane

Concen: 20.105 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

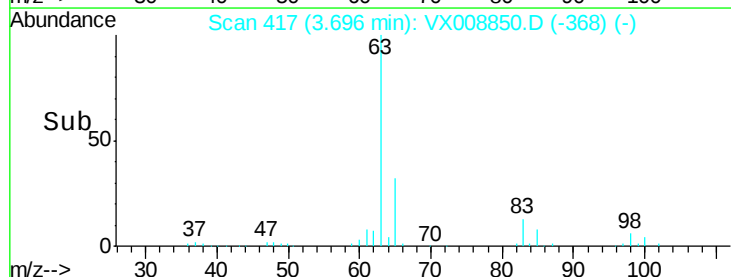
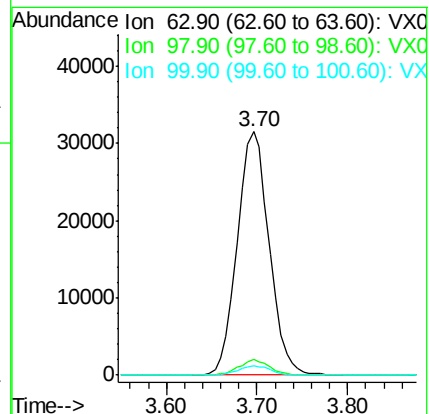
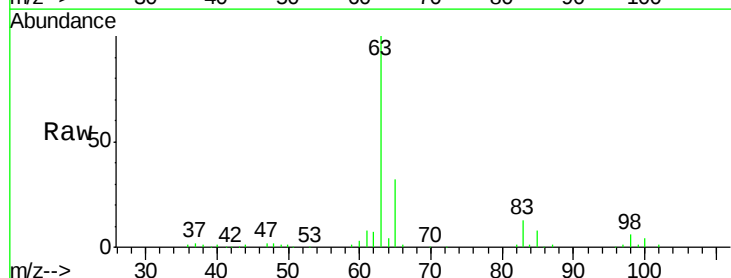
Tgt Ion: 63 Resp: 76908

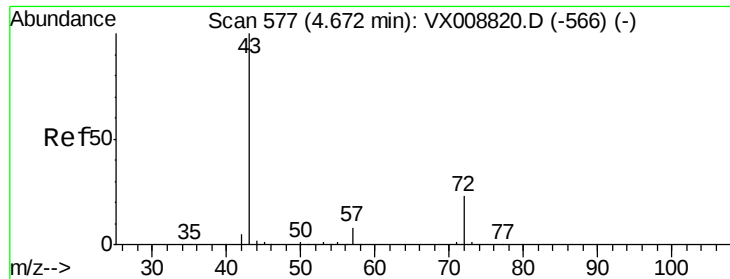
Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 102.142 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion: 43 Resp: 205417

Ion Ratio Lower Upper

43 100

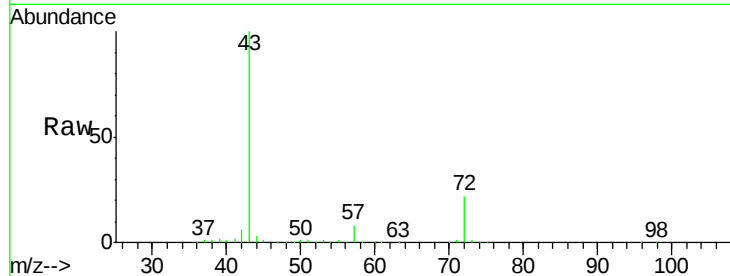
72 21.7 18.2 27.4

Manual Integrations

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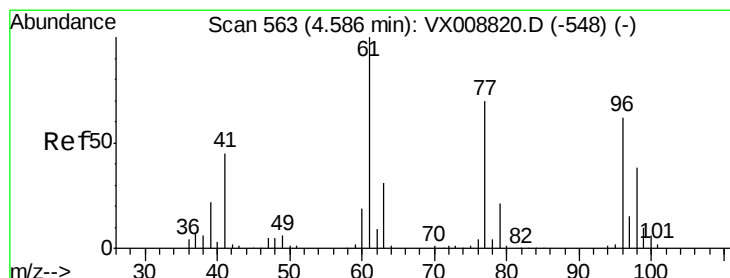
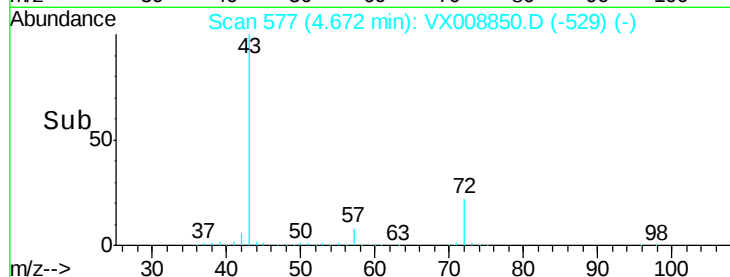
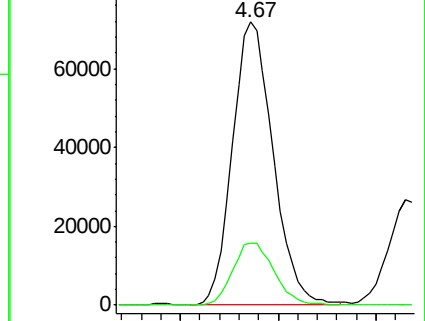
MMDadoda

4/12/2019 9:45:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.722 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008850.D

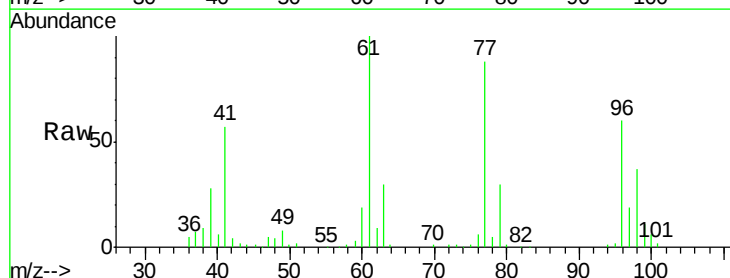
Acq: 11 Apr 2019 14:34

Tgt Ion: 77 Resp: 53135

Ion Ratio Lower Upper

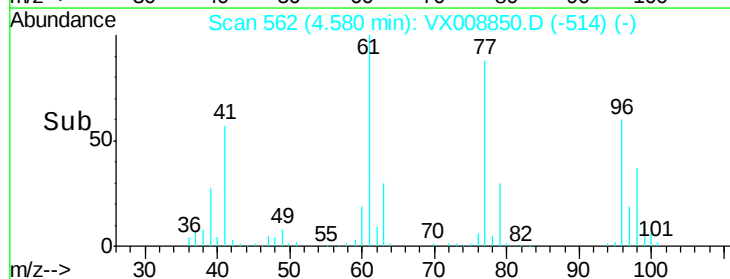
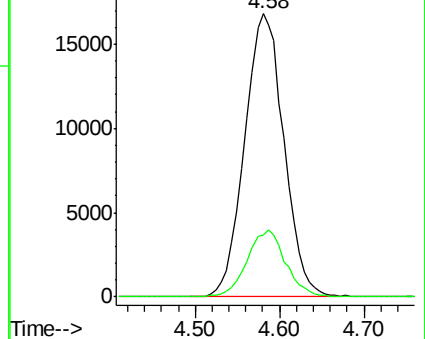
77 100

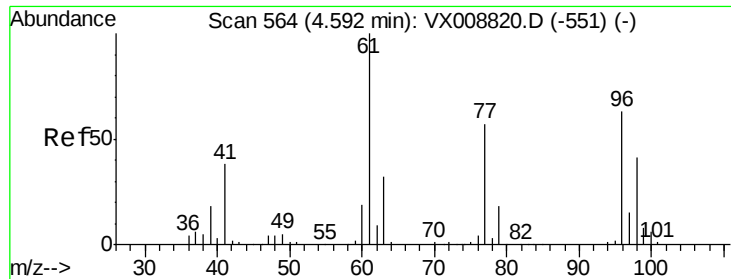
97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

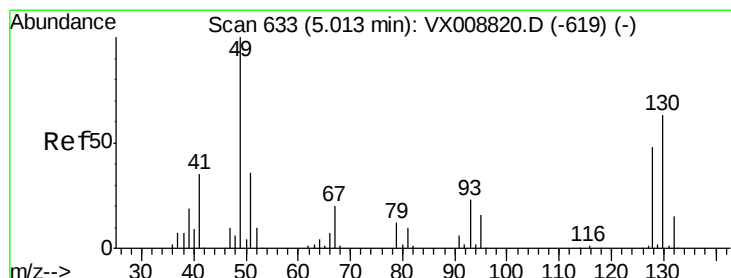
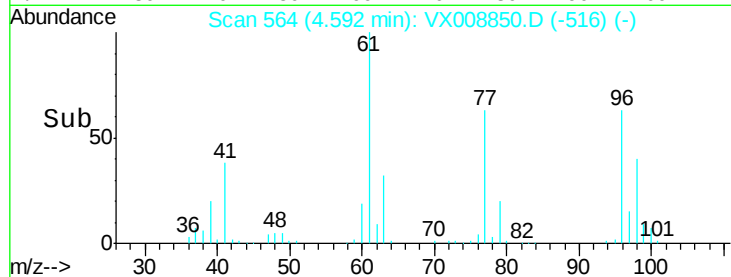
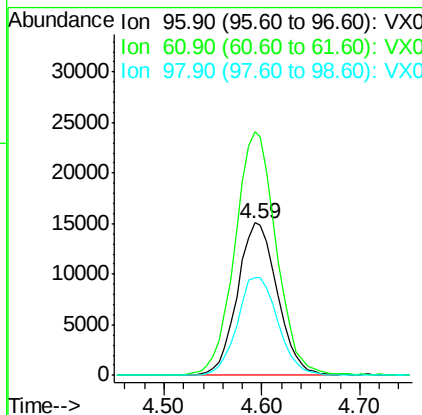
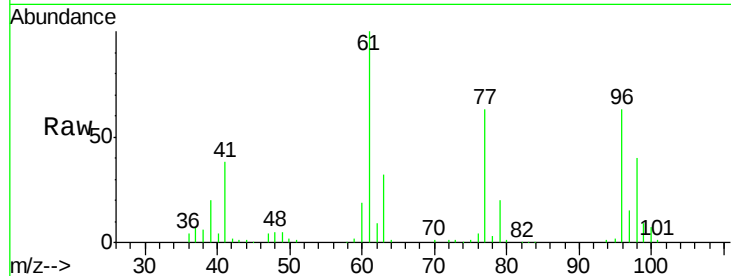
cis-1,2-Dichloroethene
 Concen: 19.570 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	327.6
98	65.6	0.0	128.6

Manual Integrations
 APPROVED

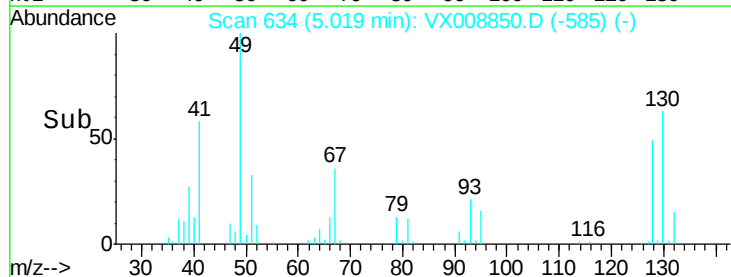
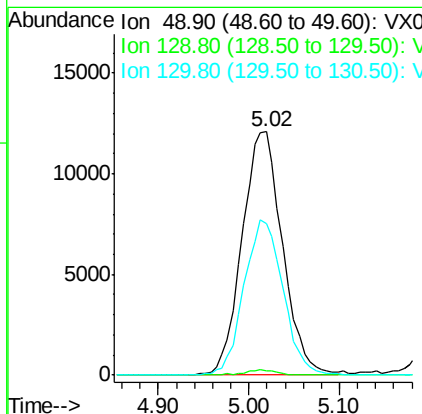
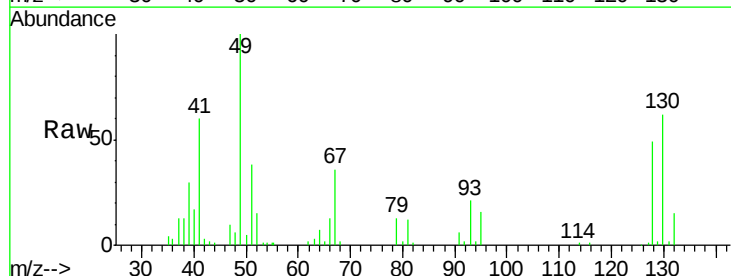
MMDadoda
 4/12/2019 9:45:54 AM

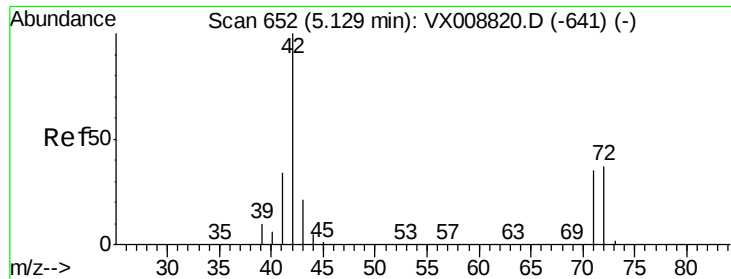


#28

Bromochloromethane
 Concen: 21.630 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	61.4	49.3	73.9





#29

Tetrahydrofuran

Concen: 101.442 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

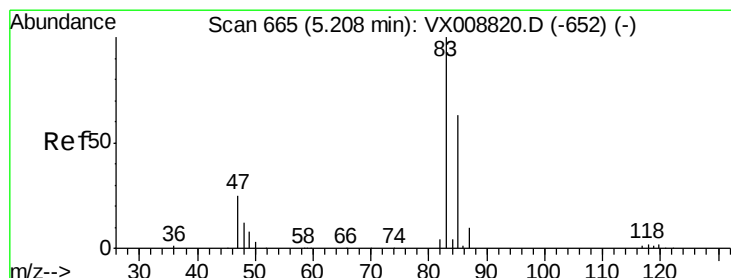
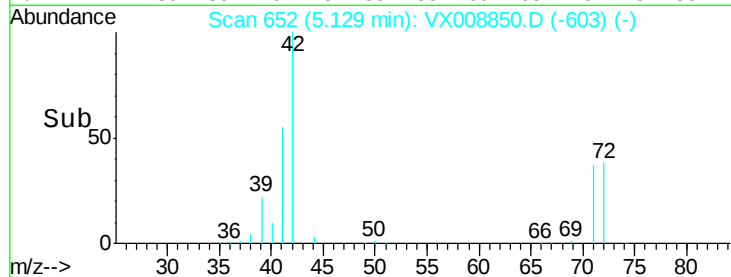
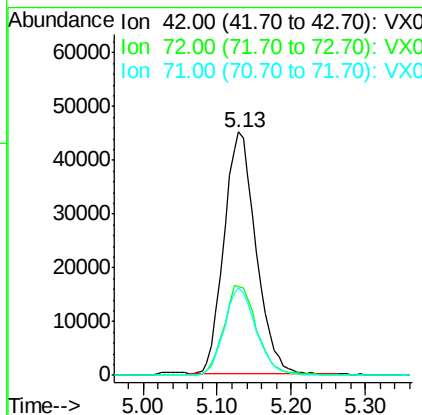
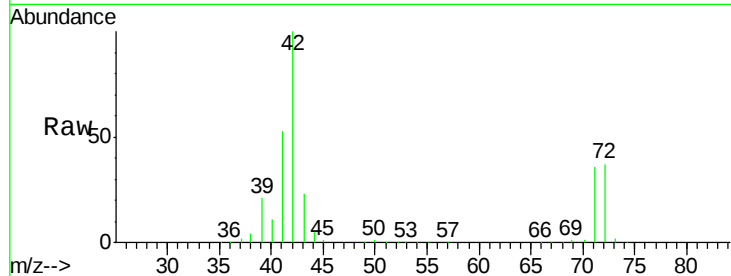
ClientSampleId :

VX0411MBS01

Tot Ion:	42	Resp:	135406
Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.5	45.7
71	36.0	28.6	43.0

Manual Integrations
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4/12/2019 9:45:54 AM



#30

Chloroform

Concen: 20.273 ug/l

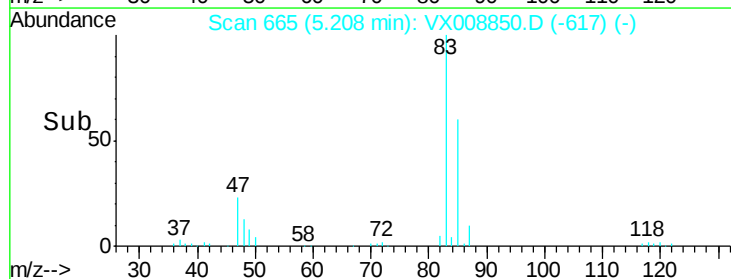
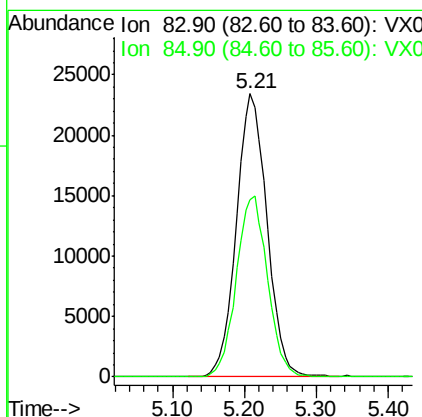
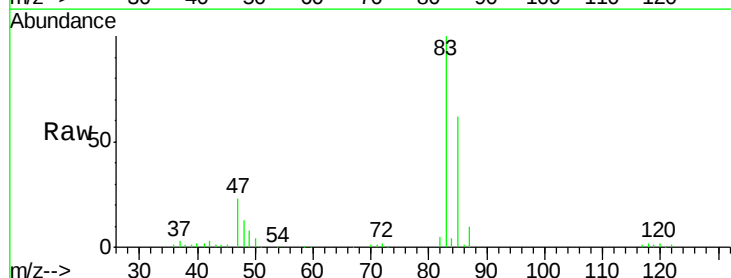
RT: 5.21 min Scan# 665

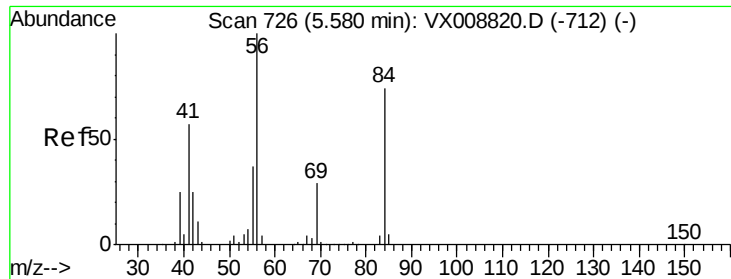
Delta R.T. -0.01 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Tgt Ion:	83	Resp:	69267
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.1	78.1





#31

Cyclohexane

Concen: 19.736 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

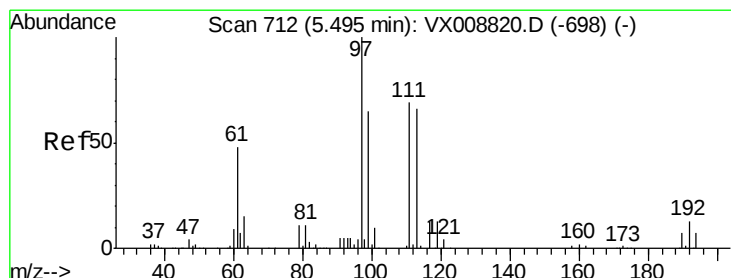
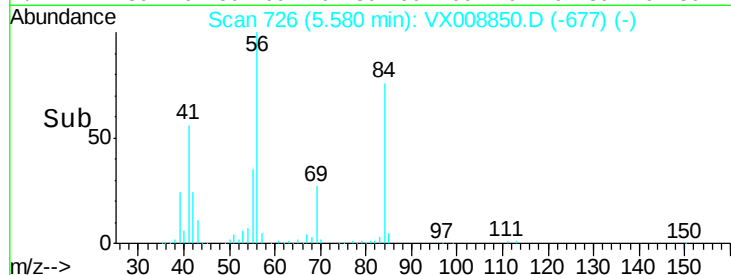
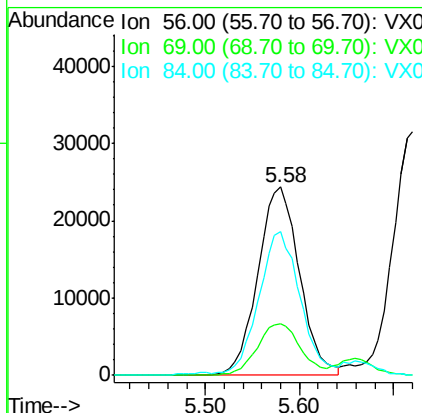
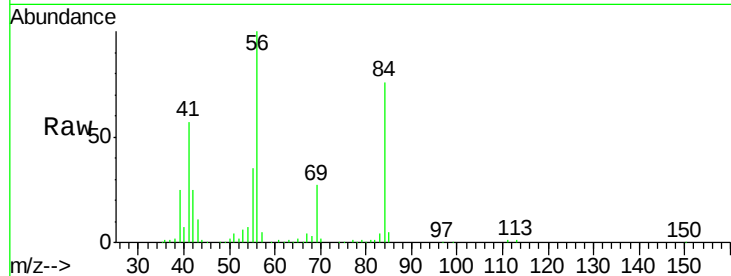
ClientSampleId :

VX0411MBS01

Tot Ion:	56	Resp:	75330
Ion	Ratio	Lower	Upper
56	100		
69	27.3	22.6	33.8
84	75.5	59.3	88.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.684 ug/l

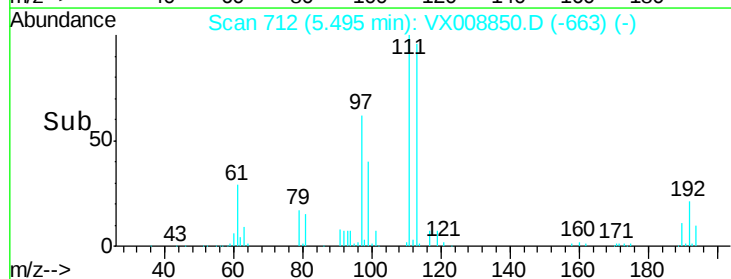
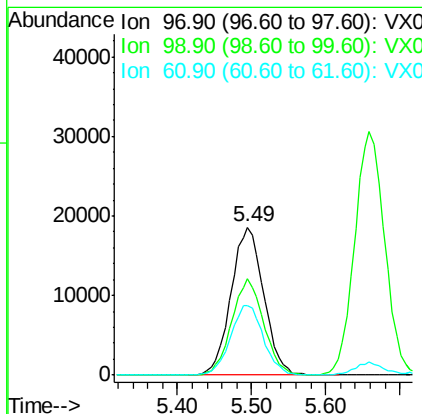
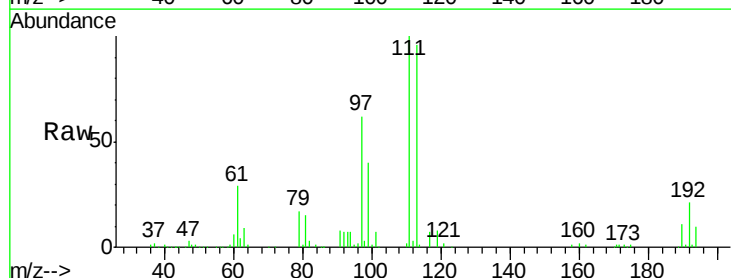
RT: 5.49 min Scan# 712

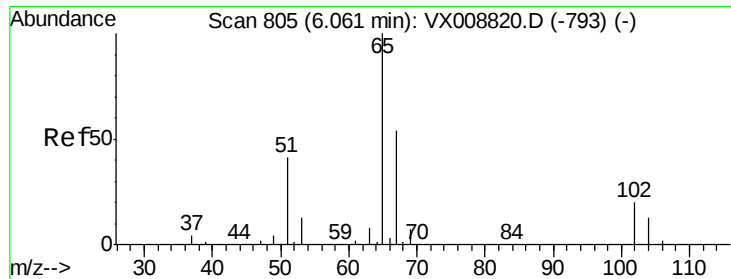
Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Tgt Ion:	97	Resp:	57108
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	47.5	38.9	58.3





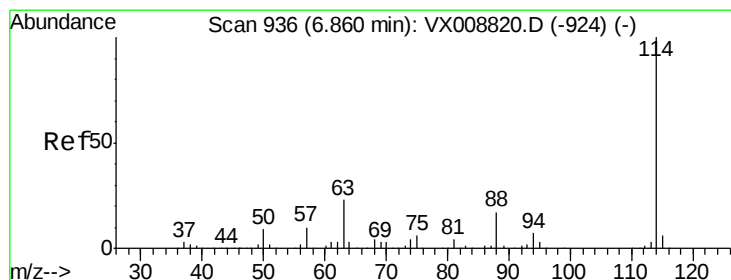
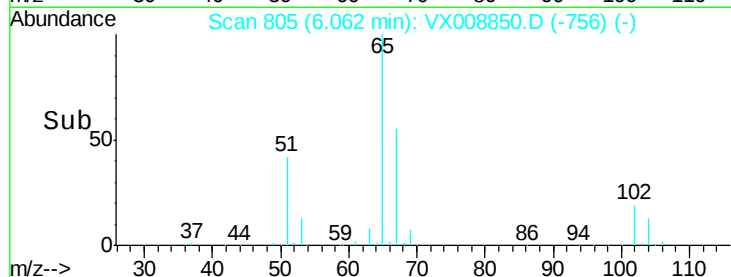
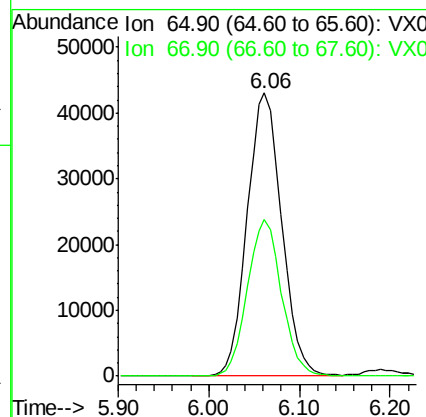
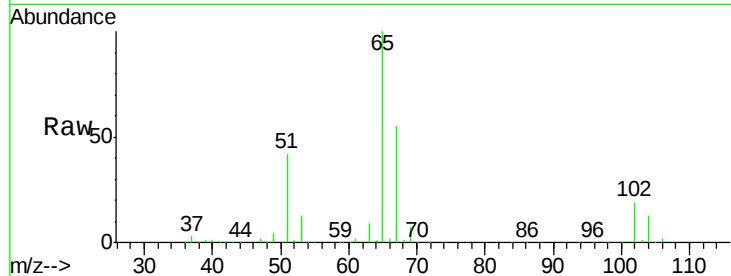
#33
 1,2-Dichloroethane-d4
 Concen: 51.414 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	107.2	

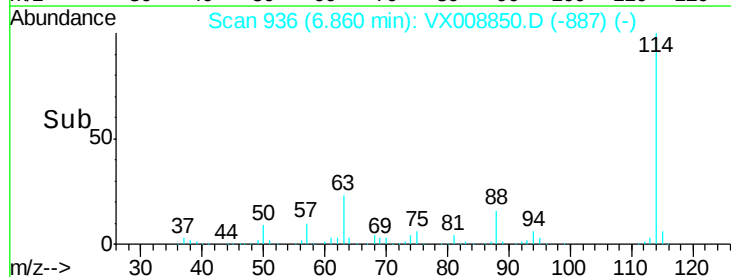
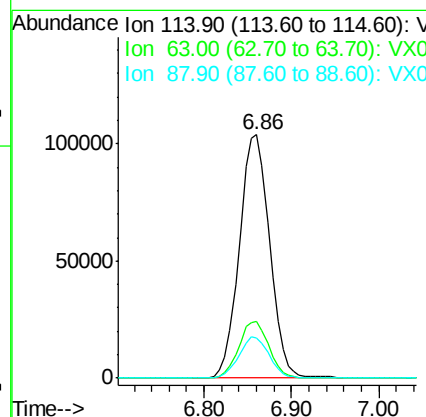
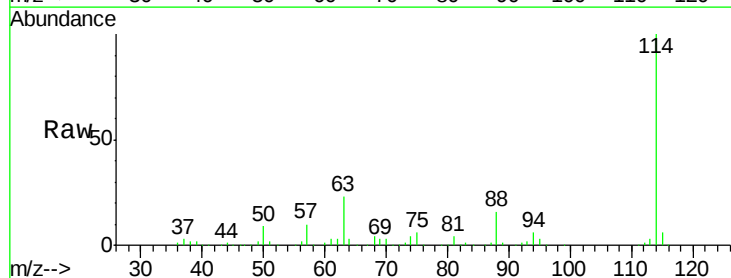
Manual Integrations
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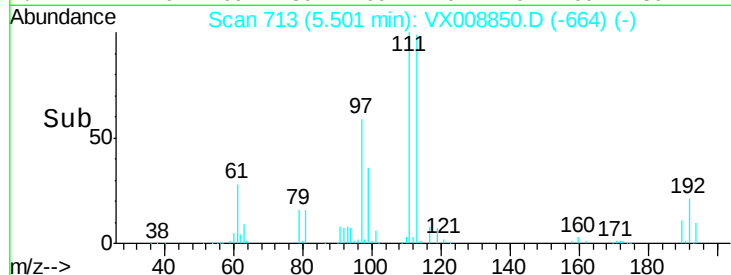
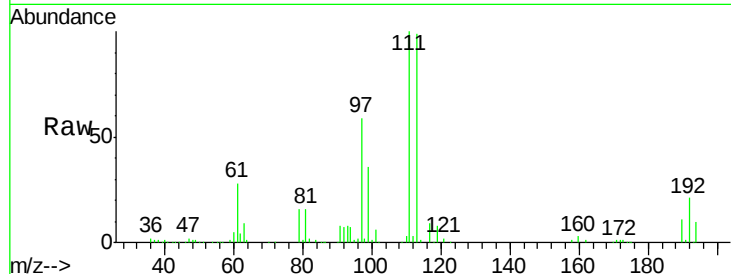
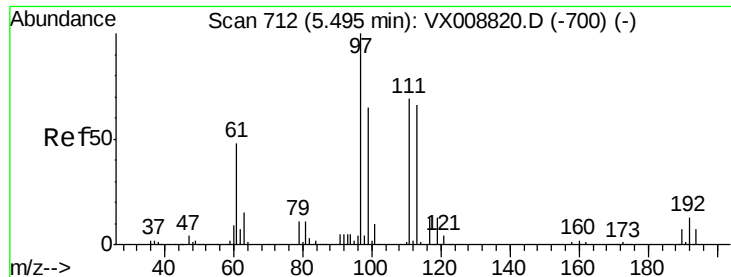
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 4/12/2019 9:45:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.2	0.0	47.2	
88	16.2	0.0	34.0	





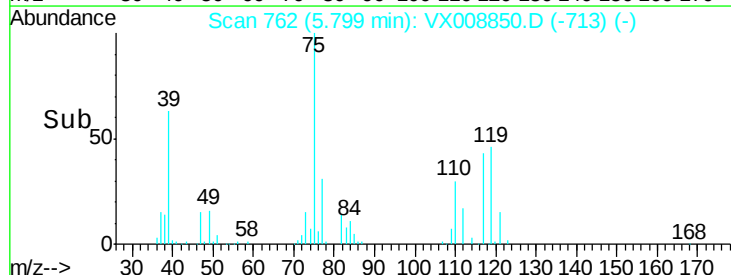
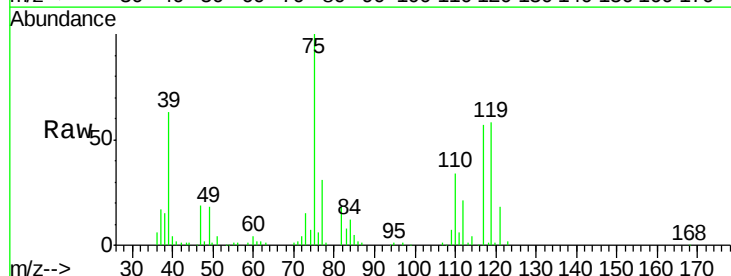
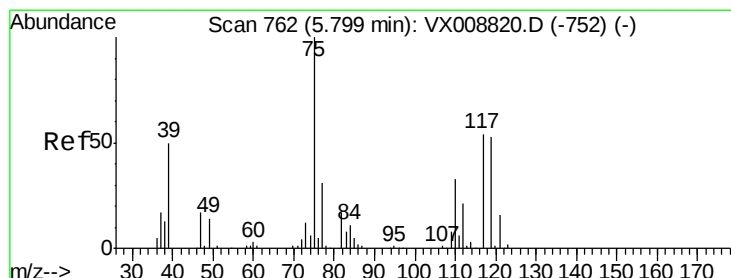
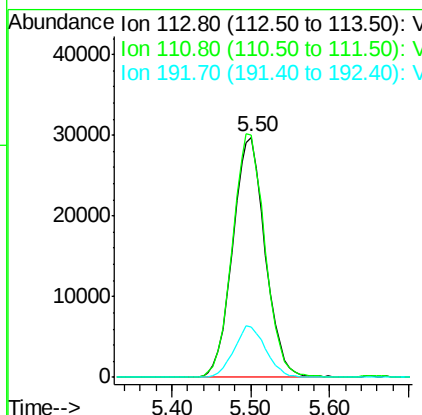
#35
Dibromofluoromethane
Concen: 52.963 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tot Ion	Ratio	Resp	Lower	Upper
113	100	84999		
111	101.7		83.4	125.2
192	21.1		16.1	24.1

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

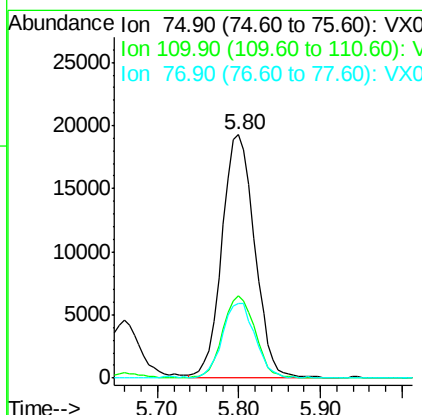
Manual Integrations
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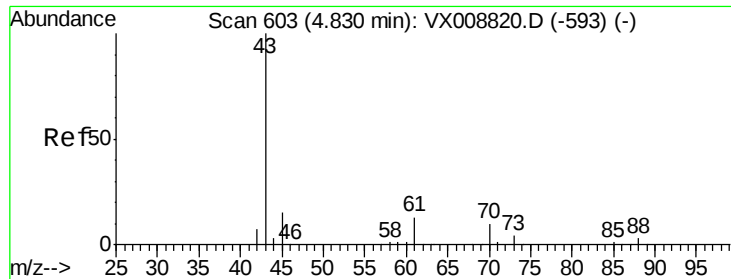
MMDadoda
4/12/2019 9:45:54 AM



#36
1,1-Dichloropropene
Concen: 19.419 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53282		
110	33.8		16.4	49.2
77	31.3		24.7	37.1





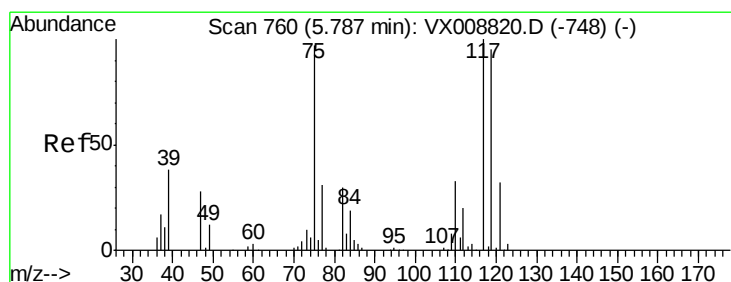
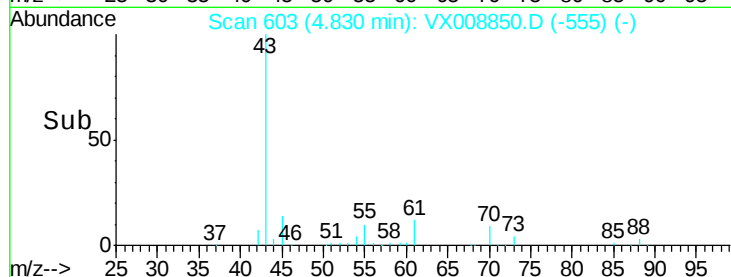
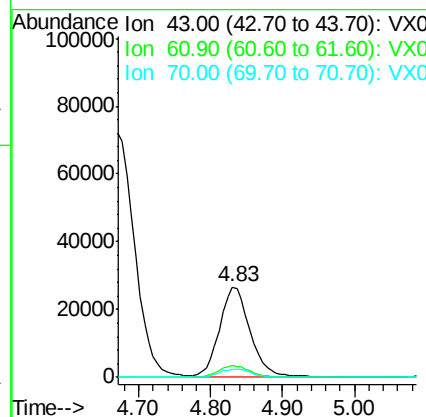
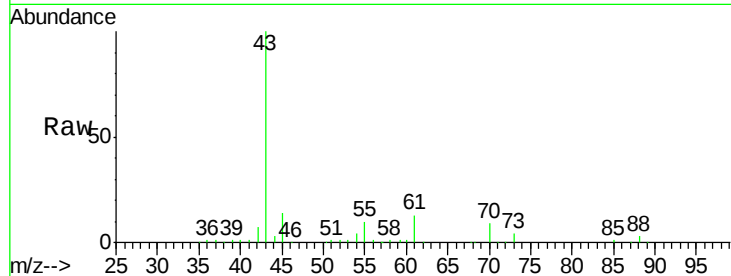
#37
Ethyl Acetate
Concen: 21.239 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.5	7.6	11.4

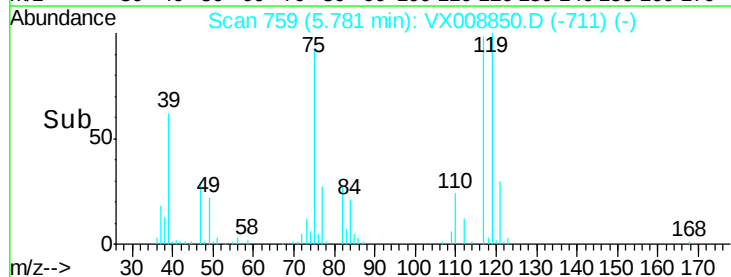
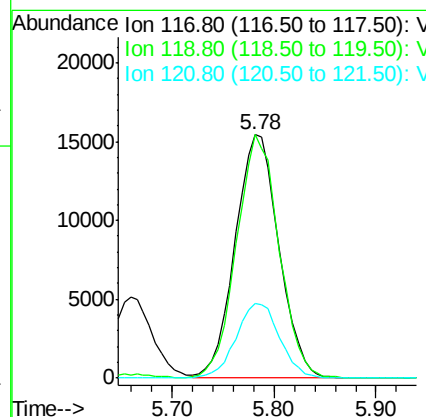
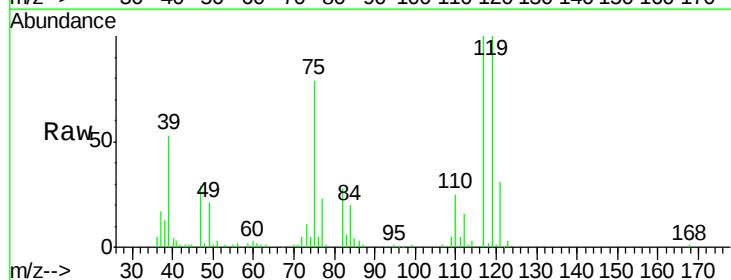
Manual Integrations
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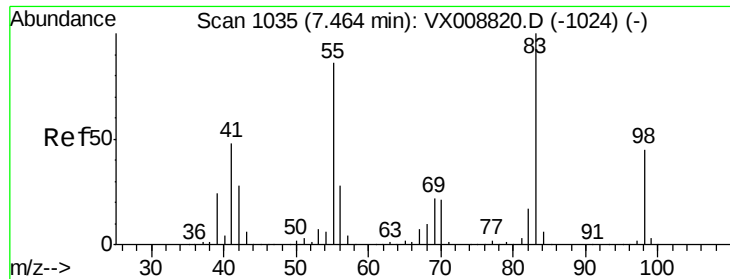
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4/12/2019 9:45:54 AM



#38
Carbon Tetrachloride
Concen: 20.274 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.0	112.6
121	30.8	24.3	36.5





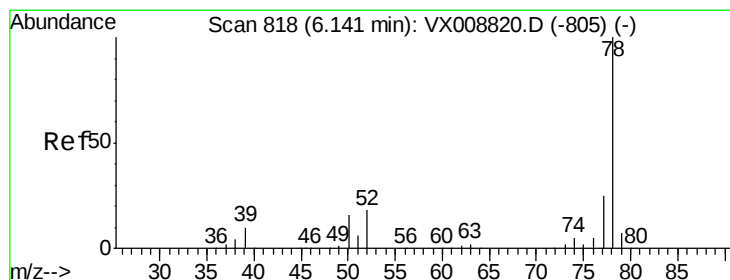
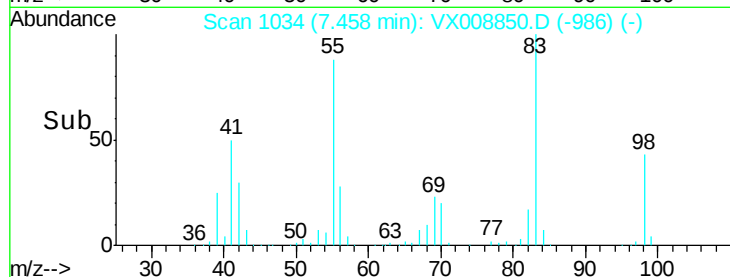
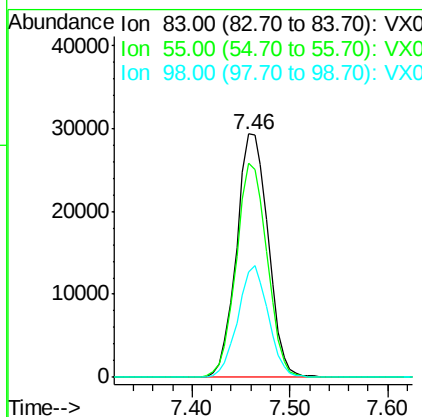
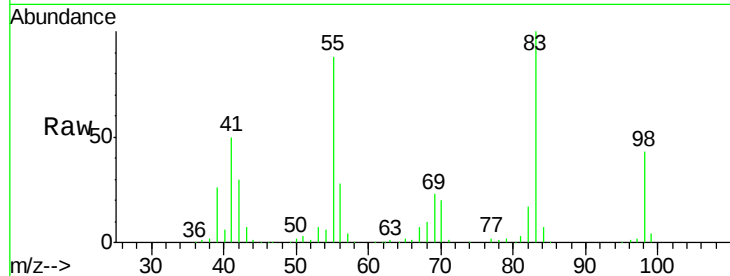
#39
Methvlcvclohexane
Concen: 19.470 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.8	69.0	103.6
98	43.3	34.4	51.6

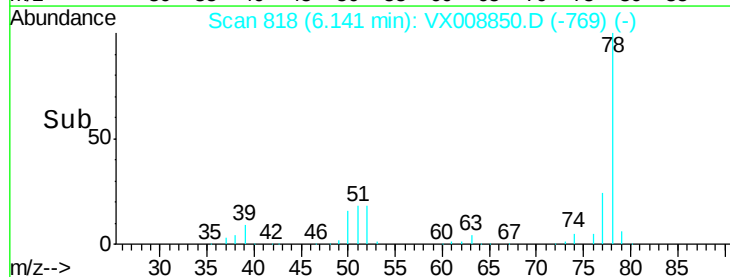
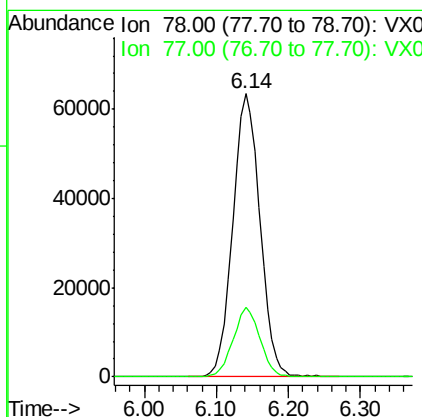
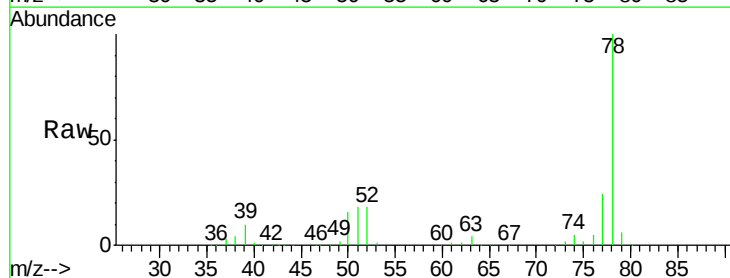
Manual Integrations
APPROVED

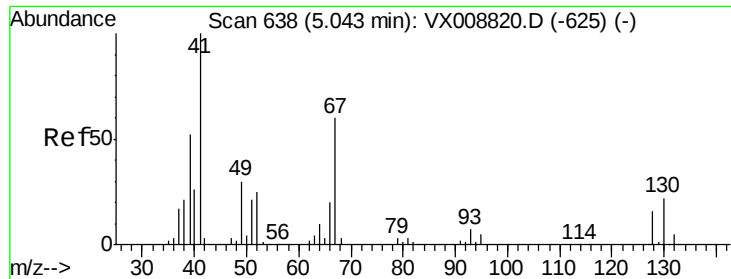
MMDadoda
4/12/2019 9:45:54 AM



#40
Benzene
Concen: 20.391 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





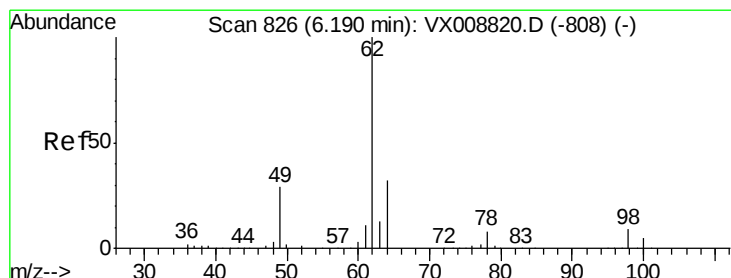
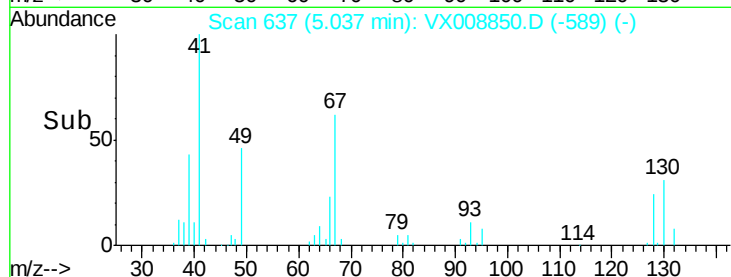
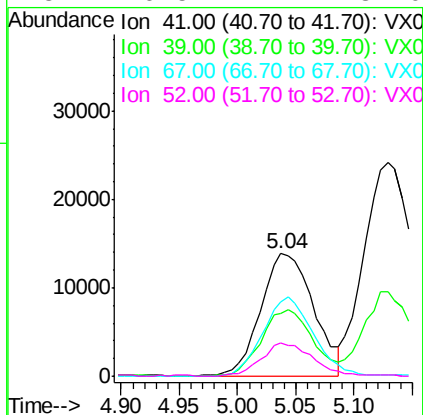
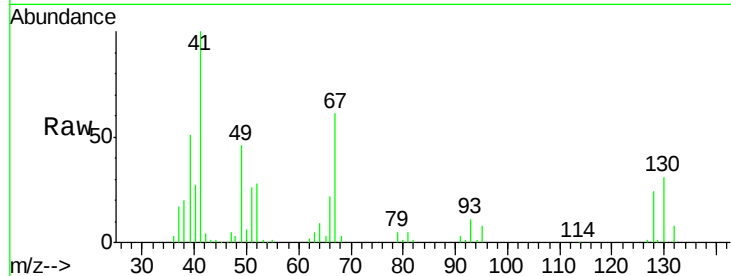
#41
Methacrylonitrile
Concen: 20.824 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.1	63.1	
67	61.7	51.0	76.6	
52	26.5	21.4	32.0	

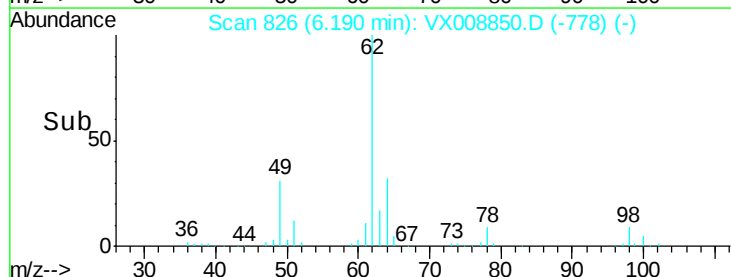
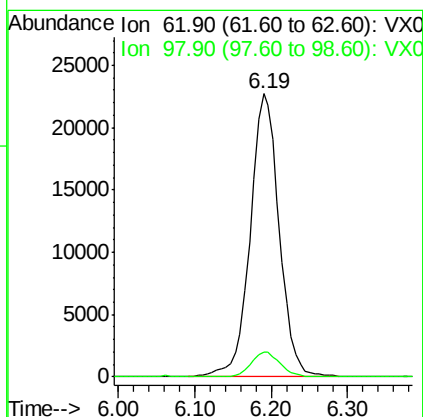
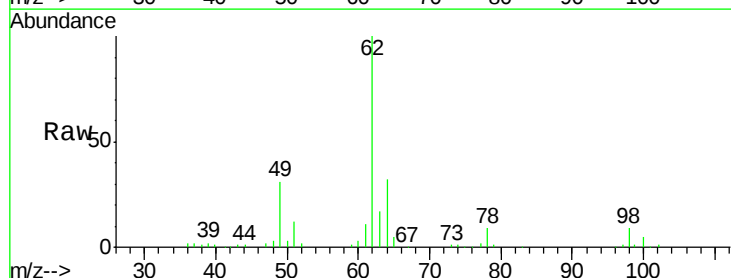
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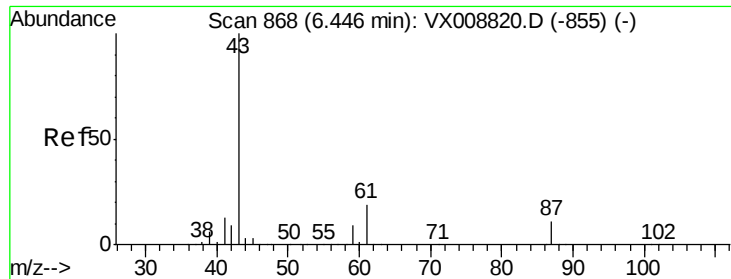
MMDadoda
4/12/2019 9:45:54 AM



#42
1,2-Dichloroethane
Concen: 20.455 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.0	





#43

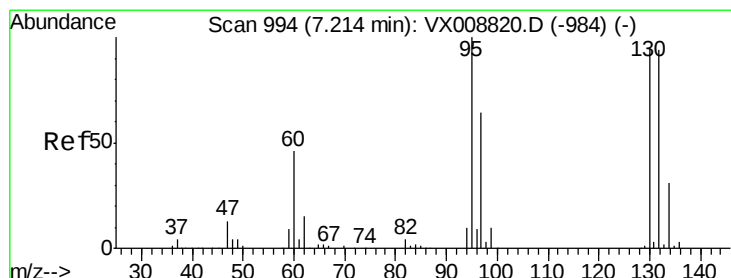
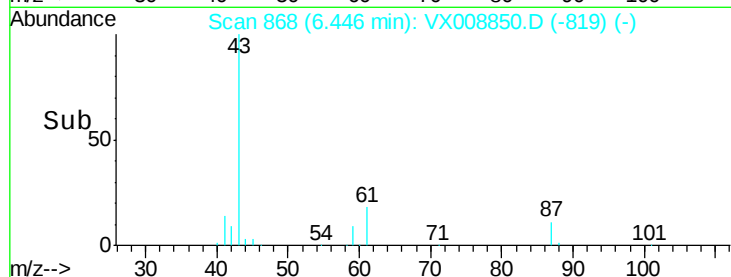
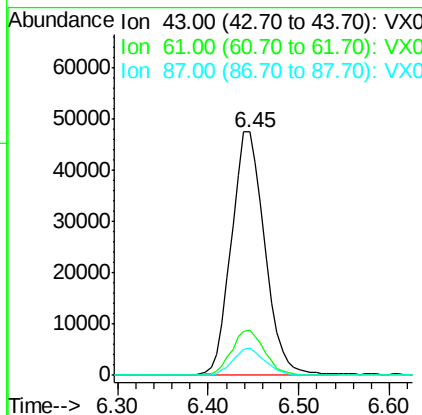
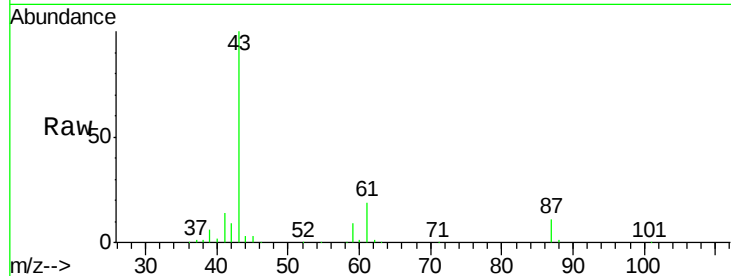
Isopropyl Acetate
 Concen: 21.058 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.3	22.9
87	10.9	9.0	13.6

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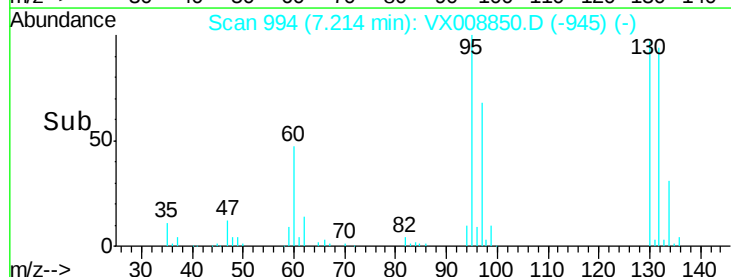
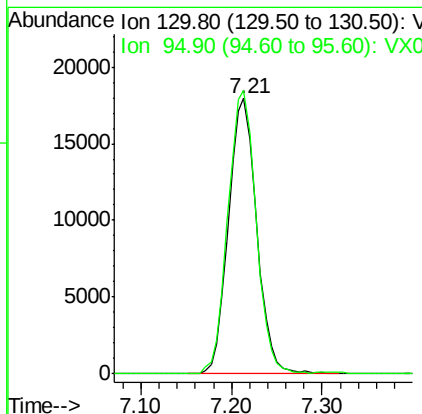
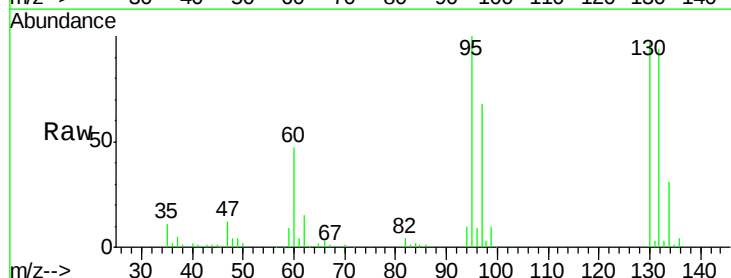
MMDadoda
 4/12/2019 9:45:54 AM

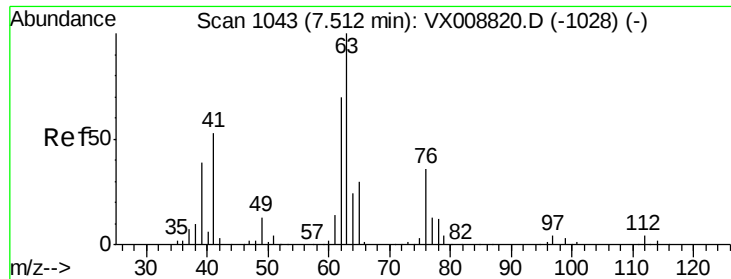


#44

Trichloroethene
 Concen: 20.406 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	209.8





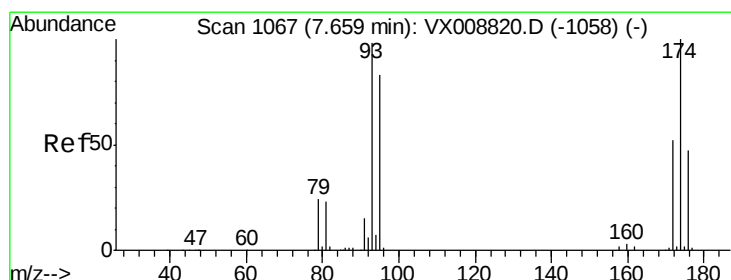
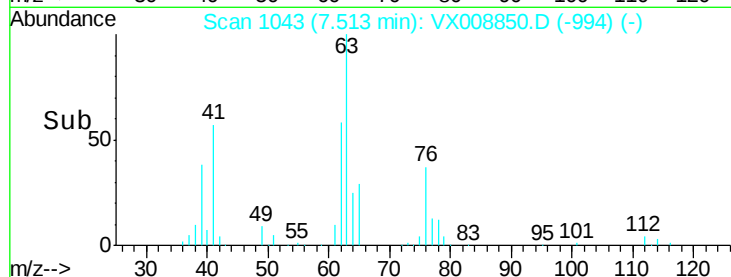
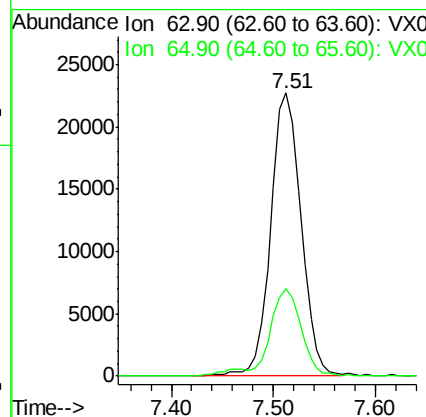
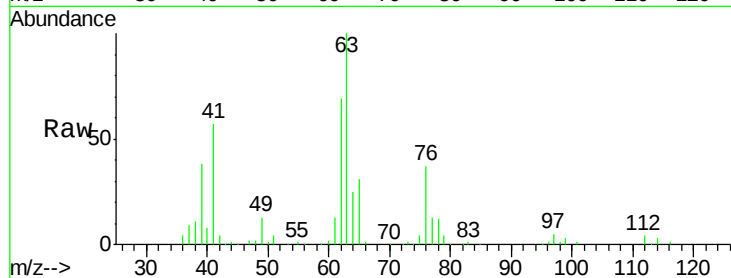
#45
 1,2-Dichloropropane
 Concen: 20.103 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion: 63 Resp: 46902
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.4

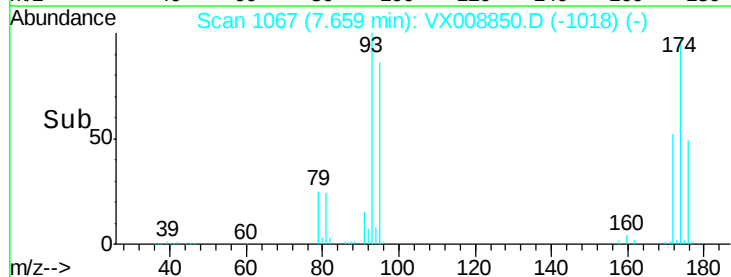
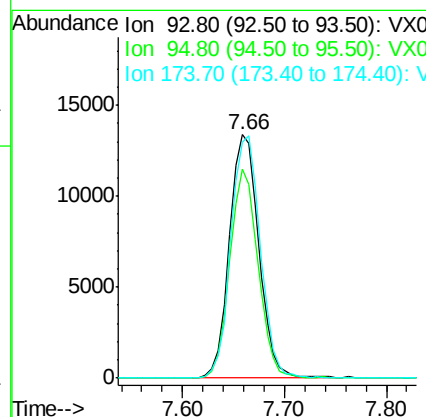
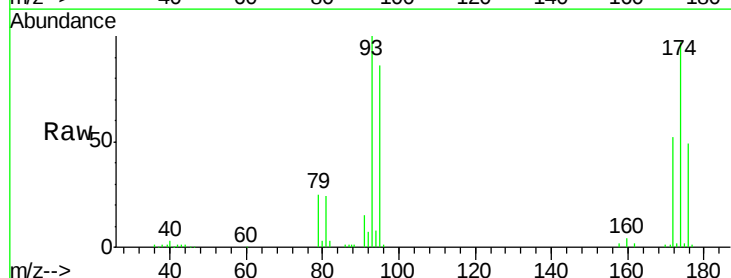
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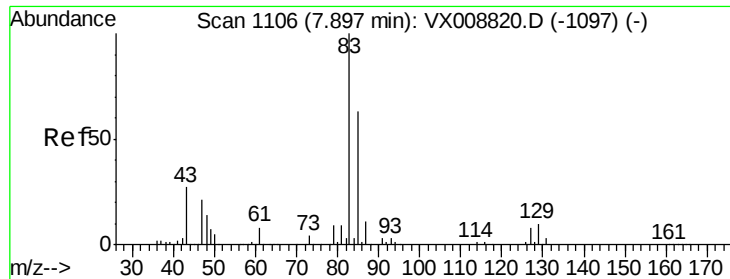
MMDadoda
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#46
 Dibromomethane
 Concen: 19.766 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion: 93 Resp: 26747
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 99.8
 174 99.6 77.7 116.5





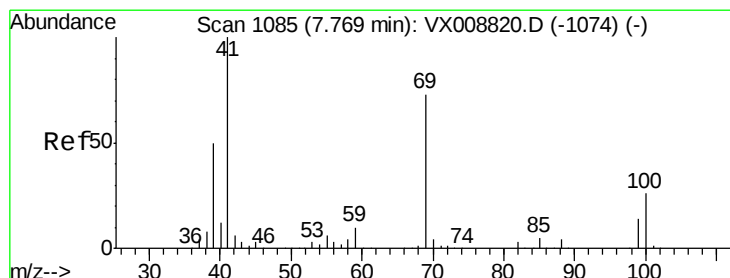
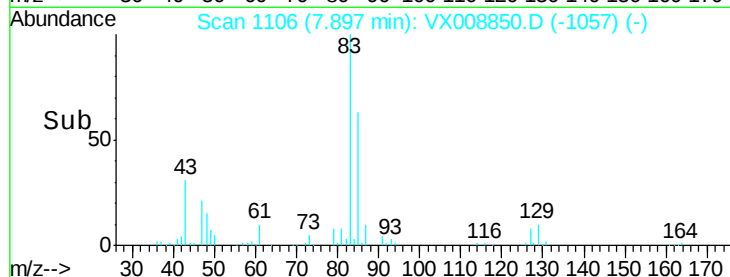
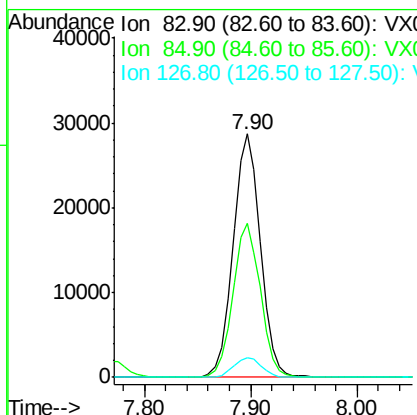
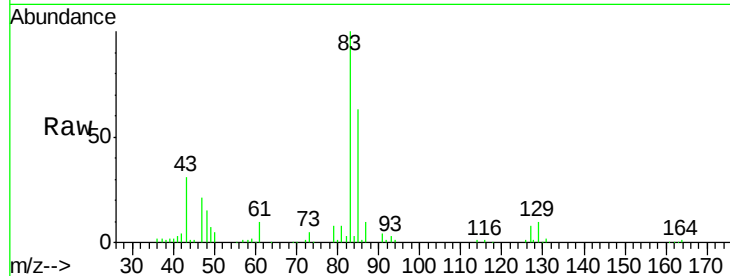
#47
Bromodichloromethane
Concen: 20.231 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	83	Resp	51618
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.2	76.8
127	7.9	6.6	10.0

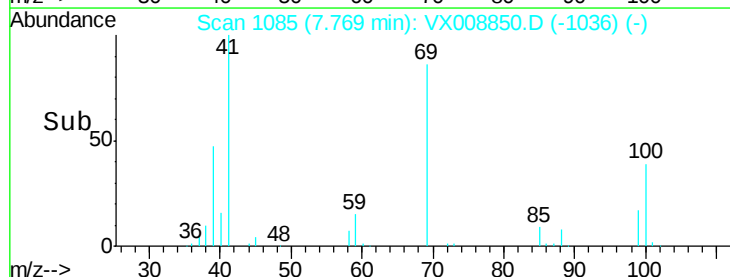
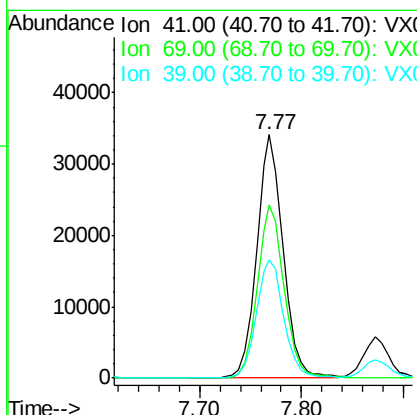
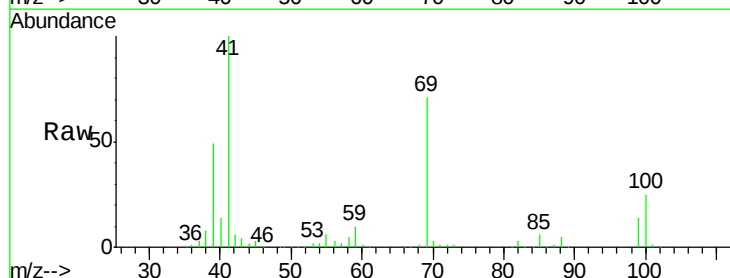
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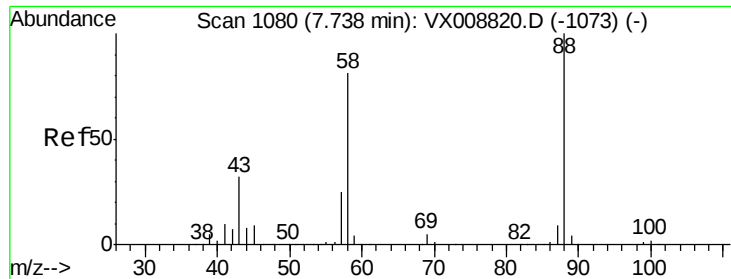
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#48
Methyl methacrylate
Concen: 21.250 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	41	Resp	61670
Ion Ratio	100	Lower	Upper
41	100		
69	71.9	59.0	88.4
39	50.1	41.0	61.4





#49

1,4-Dioxane

Concen: 434.979 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

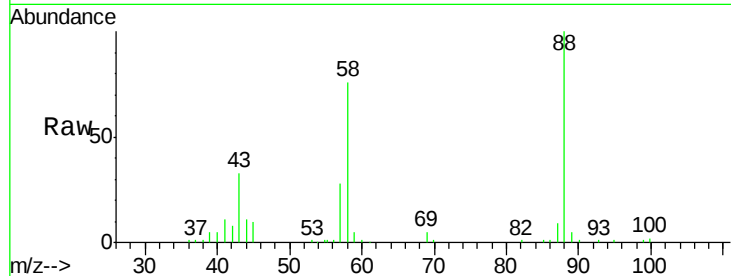
ClientSampleId :

VX0411MBS01

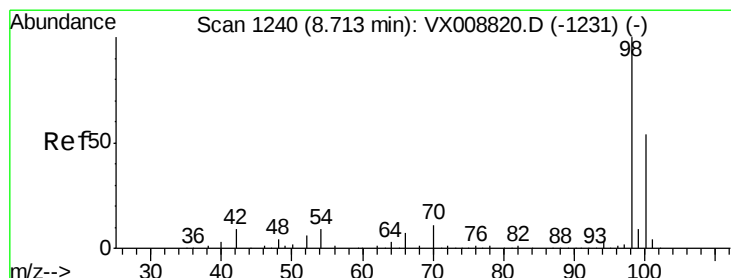
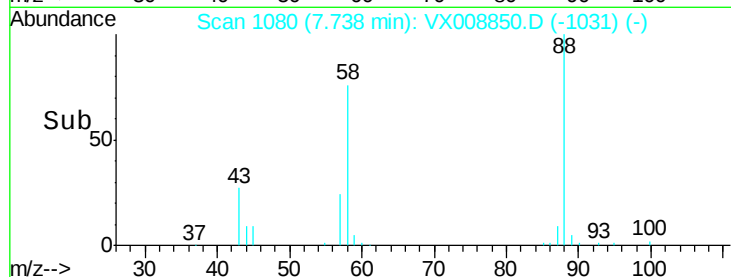
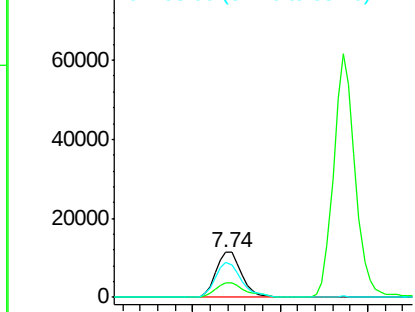
Tot Ion:	88	Resp:	23648
Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.6	43.0
58	77.2	62.2	93.2

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 53.454 ug/l

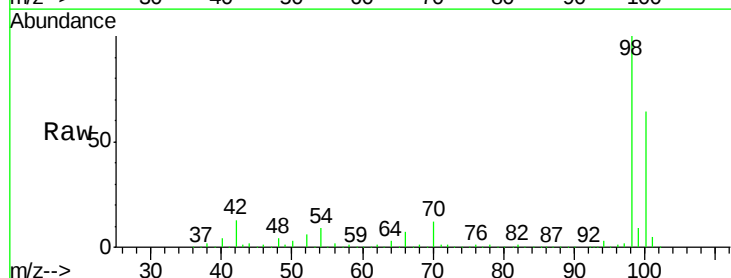
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

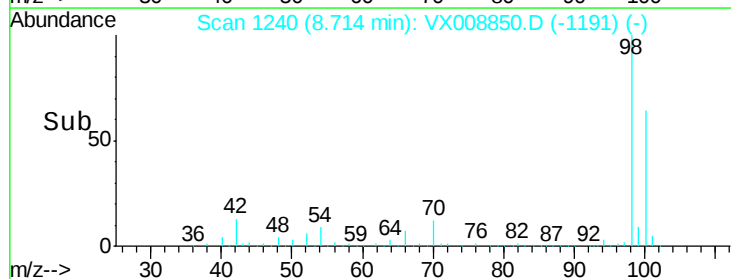
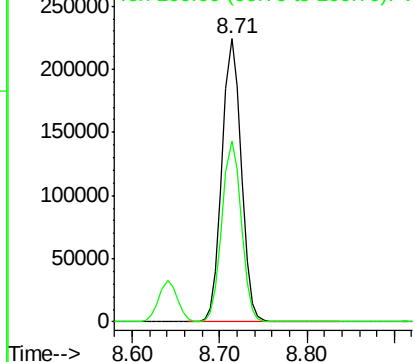
Lab File: VX008850.D

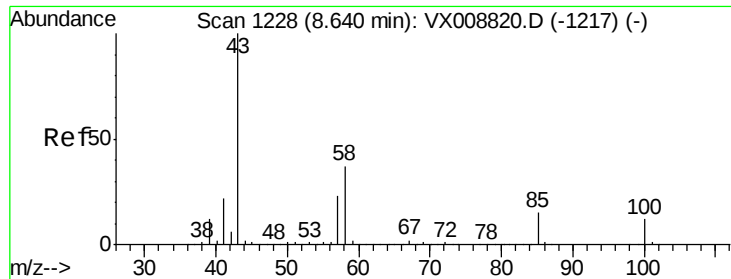
Acq: 11 Apr 2019 14:34

Tgt Ion:	98	Resp:	341584
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 109.410 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion: 43 Resp: 404078

Ion Ratio Lower Upper

43 100

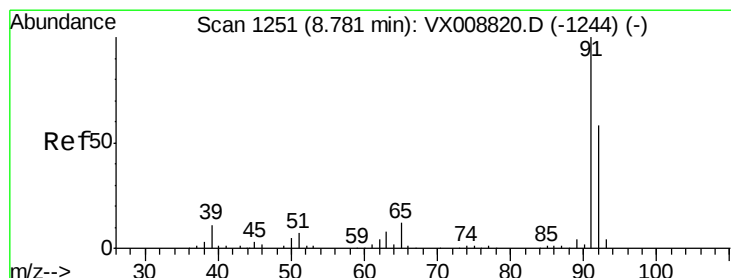
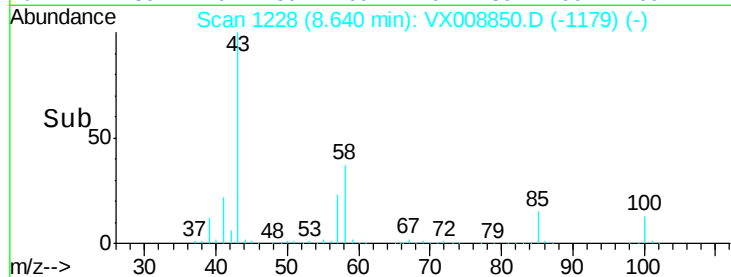
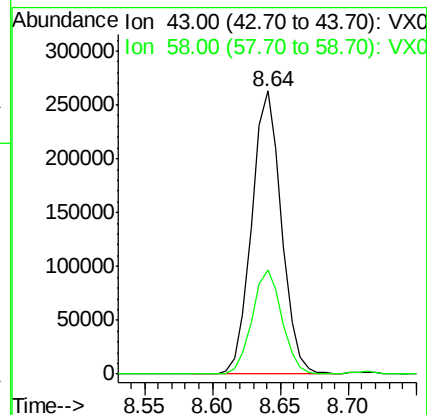
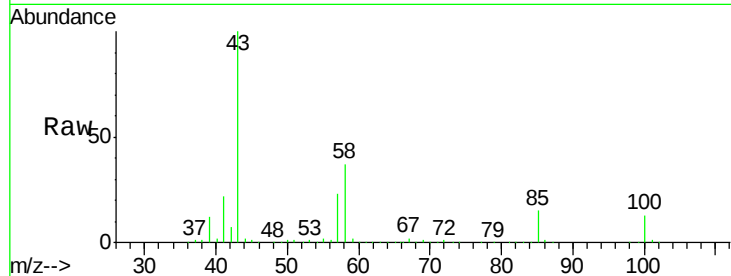
58 36.8 29.5 44.3

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#52

Toluene

Concen: 20.653 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008850.D

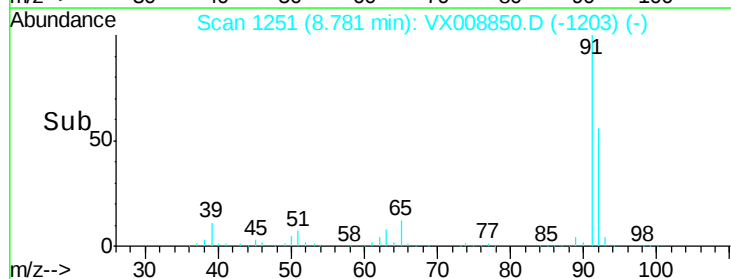
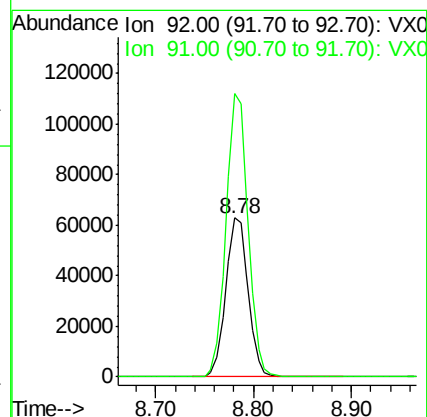
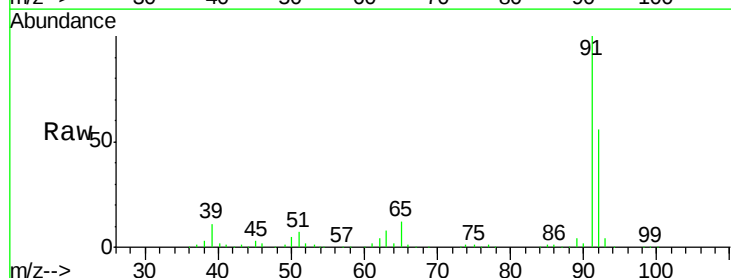
Acq: 11 Apr 2019 14:34

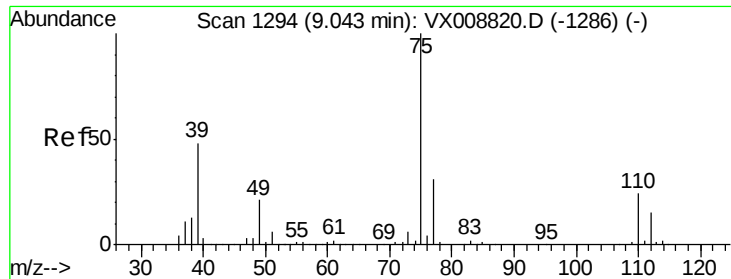
Tgt Ion: 92 Resp: 99529

Ion Ratio Lower Upper

92 100

91 175.2 138.5 207.7





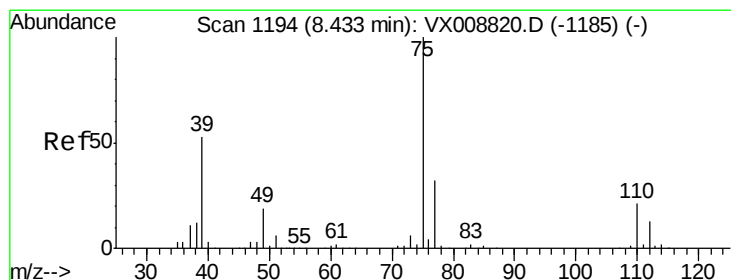
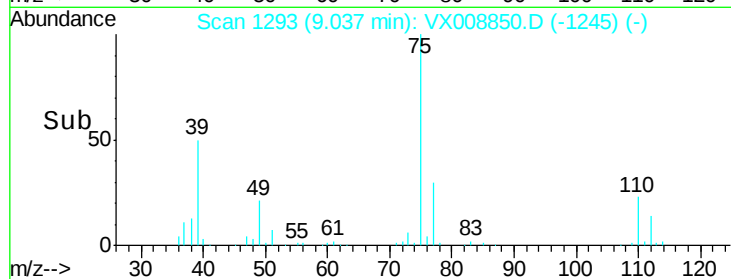
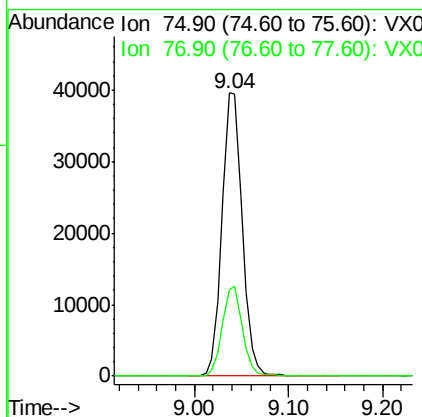
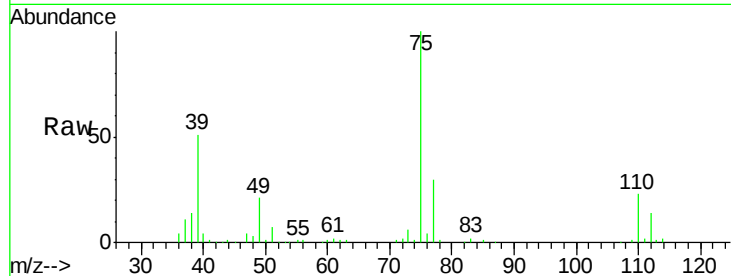
#53
t-1,3-Dichloropropene
Concen: 20.746 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion: 75 Resp: 59292
Ion Ratio Lower Upper
75 100
77 30.4 25.2 37.8

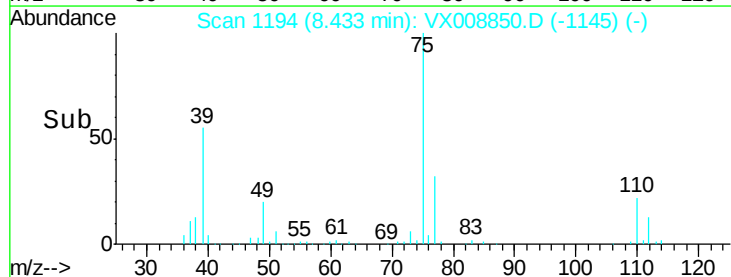
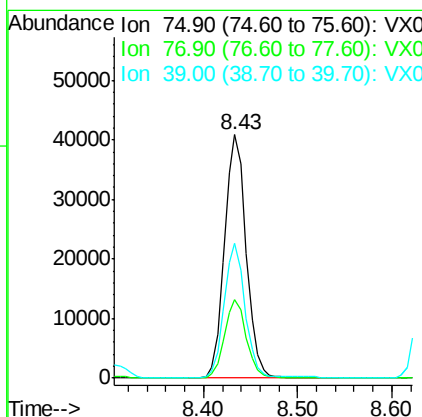
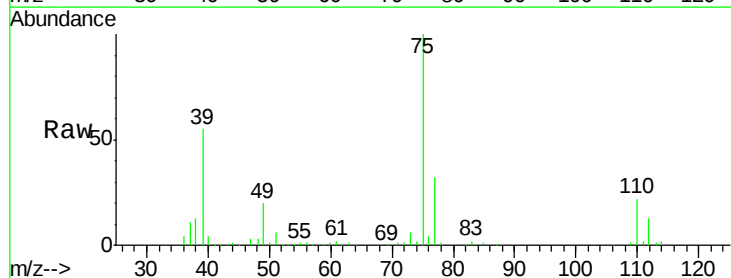
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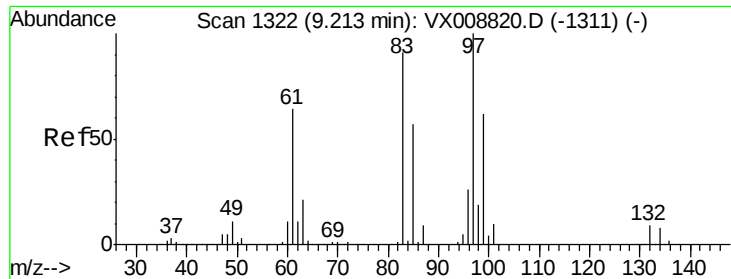
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4/12/2019 9:45:54 AM



#54
cis-1,3-Dichloropropene
Concen: 19.993 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion: 75 Resp: 65291
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9
39 54.9 42.6 63.8





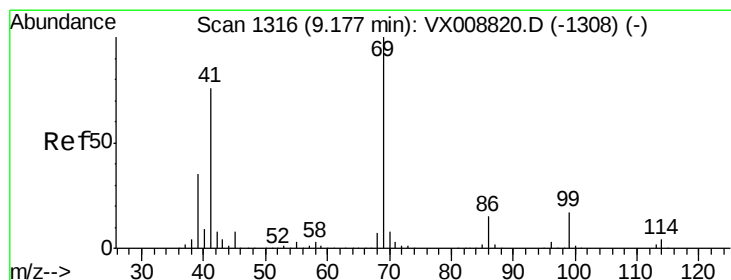
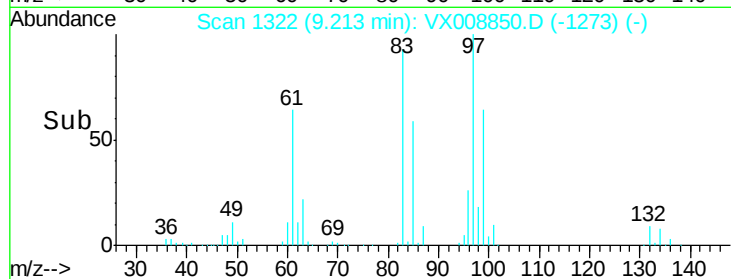
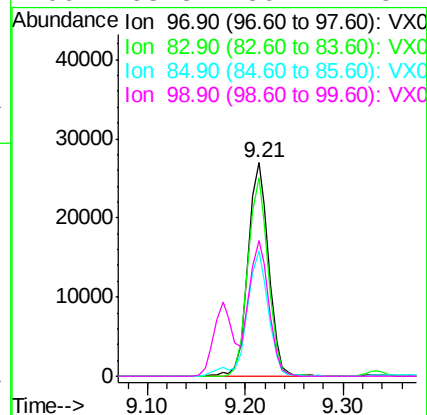
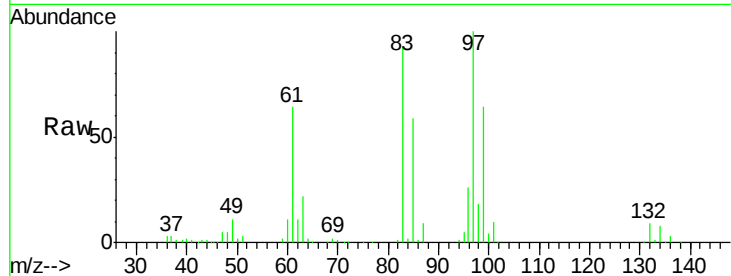
#55
 1,1,2-Trichloroethane
 Concen: 20.446 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		39551		
83	93.0	73.2	109.8		
85	59.0	46.6	69.8		
99	63.8	50.1	75.1		

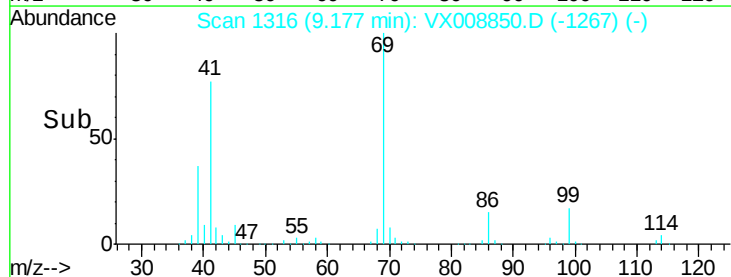
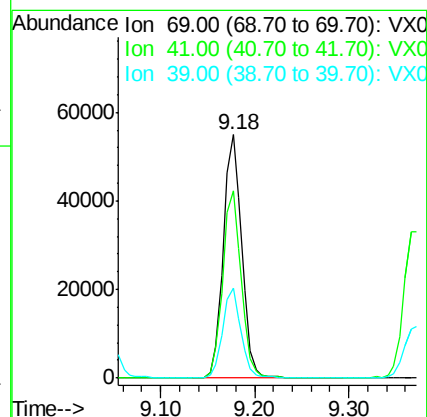
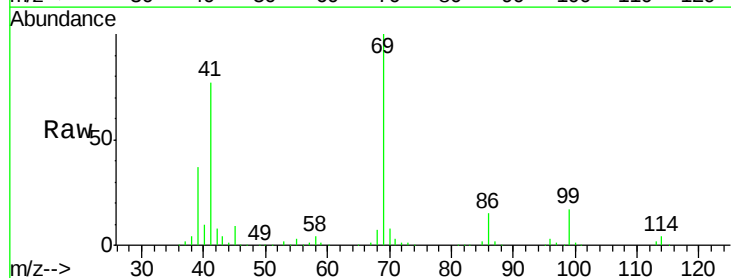
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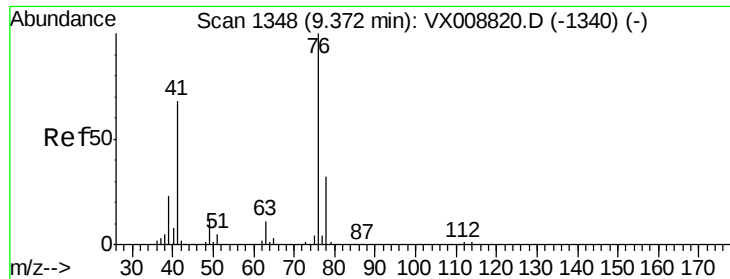
MMDadoda
 4/12/2019 9:45:54 AM



#56
 Ethyl methacrylate
 Concen: 21.371 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		74799		
41	76.5	60.1	90.1		
39	36.7	28.9	43.3		





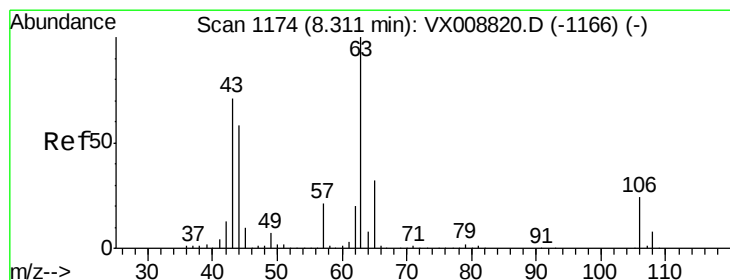
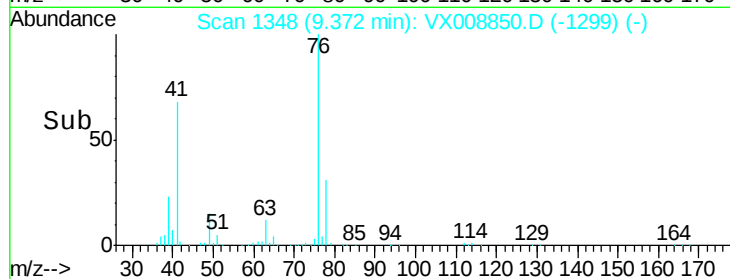
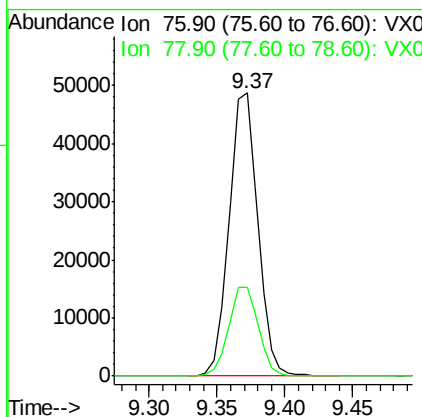
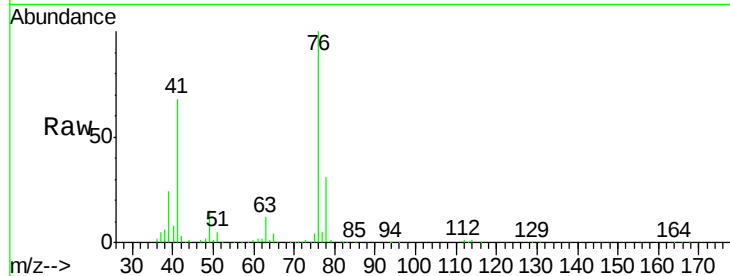
#57
 1,3-Dichloropropane
 Concen: 20.603 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion: 76 Resp: 71567
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

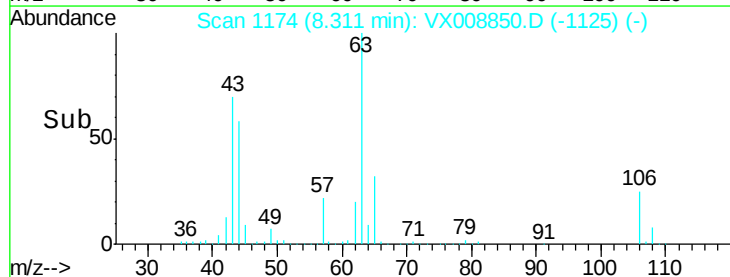
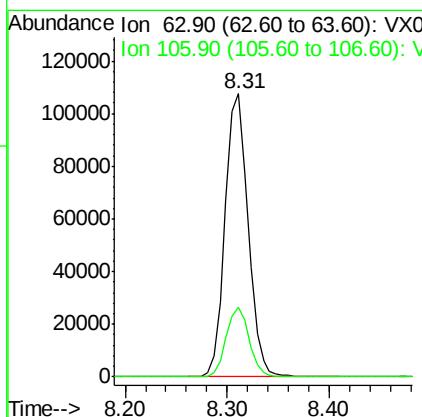
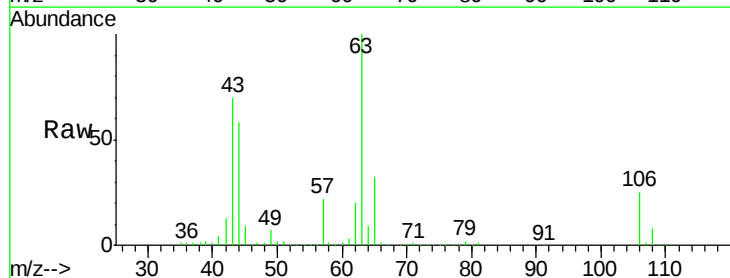
Manual Integrations
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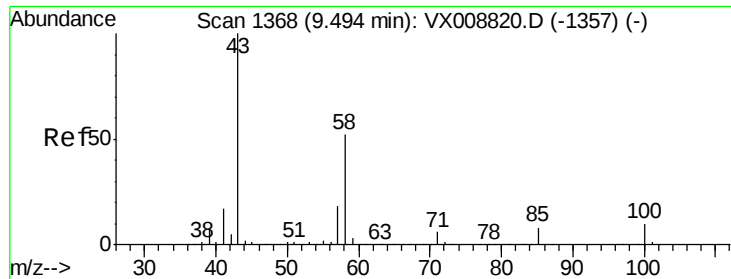
MMDadoda
 4/12/2019 9:45:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.500 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion: 63 Resp: 168886
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.0 28.6





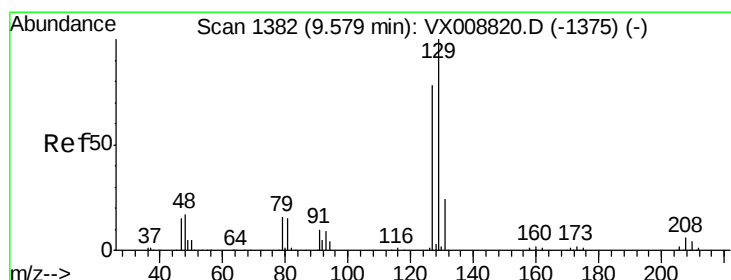
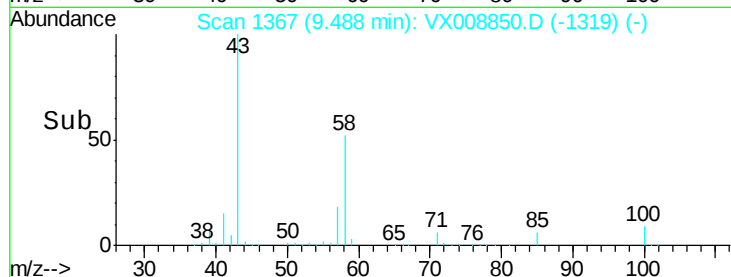
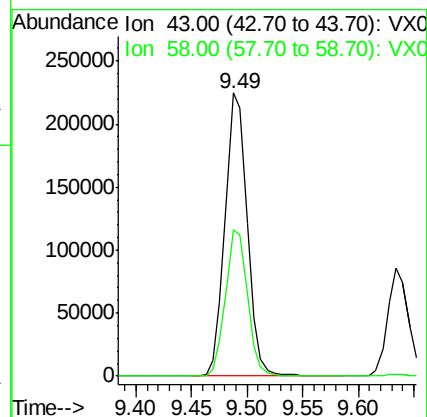
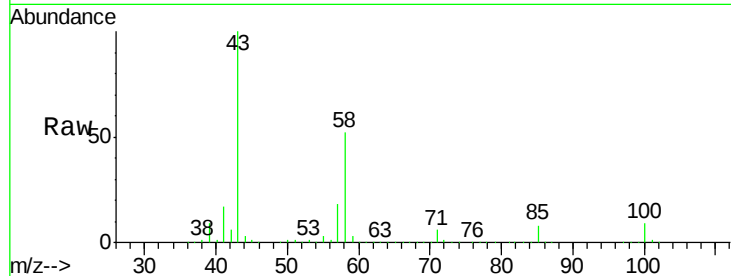
#59
2-Hexanone
Concen: 108.601 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion: 43 Resp: 311706
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

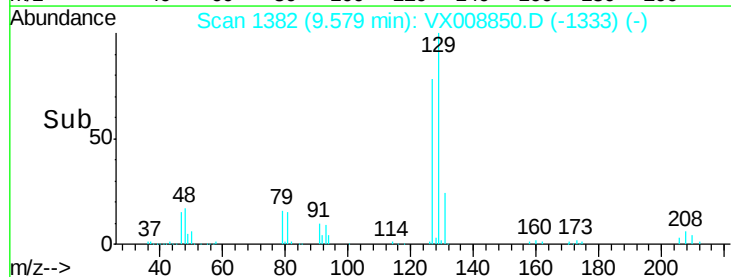
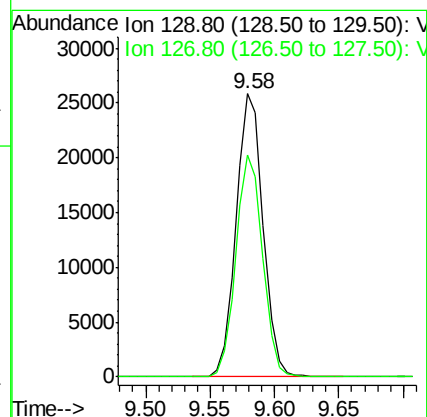
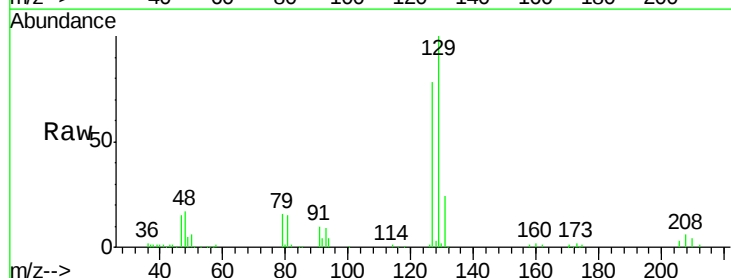
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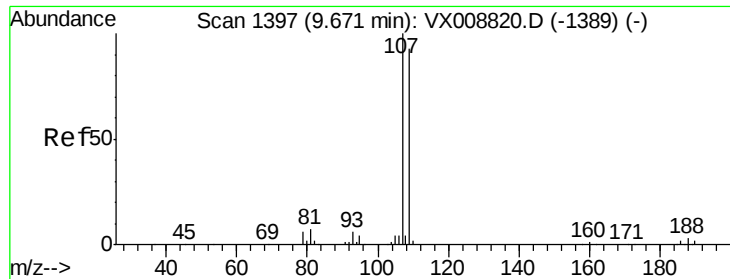
MMDadoda
4/12/2019 9:45:54 AM



#60
Dibromochloromethane
Concen: 20.719 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion:129 Resp: 37767
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.614 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion:107 Resp: 41512

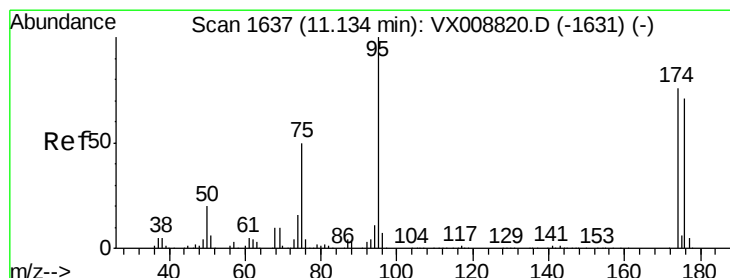
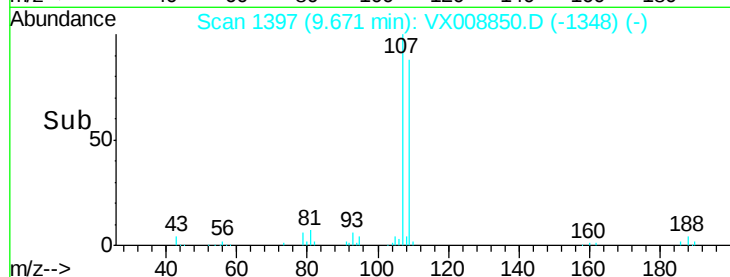
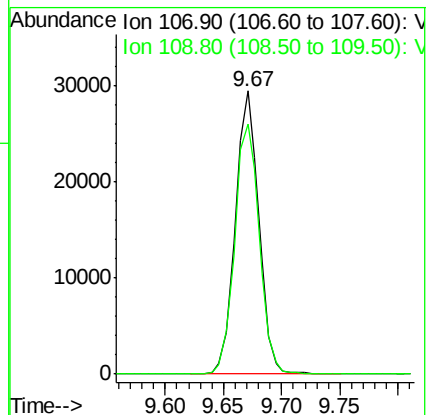
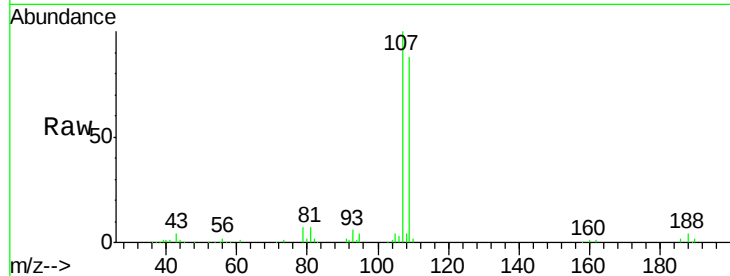
Ion Ratio Lower Upper

107 100

109 92.7 74.1 111.1

Manual Integrations
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4/12/2019 9:45:54 AM



#62

4-Bromofluorobenzene

Concen: 55.182 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

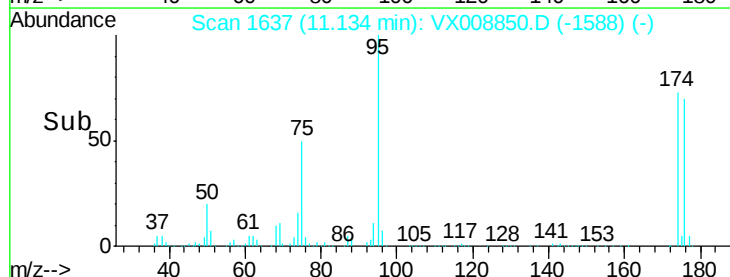
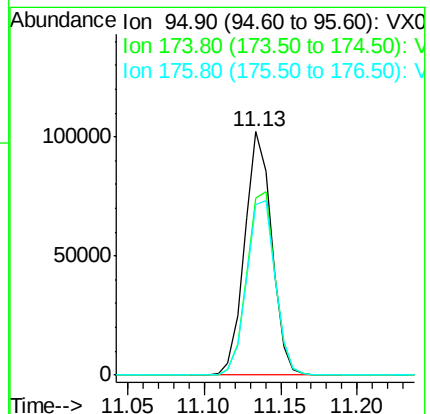
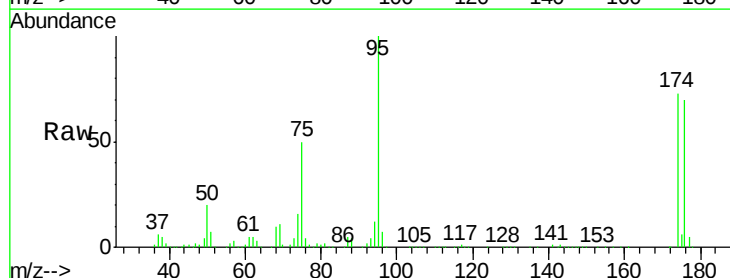
Tgt Ion: 95 Resp: 125046

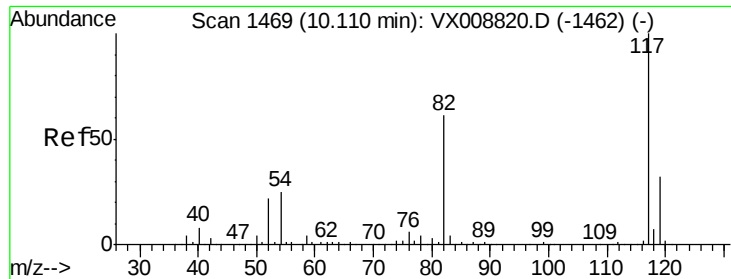
Ion Ratio Lower Upper

95 100

174 78.8 0.0 151.8

176 75.9 0.0 145.8





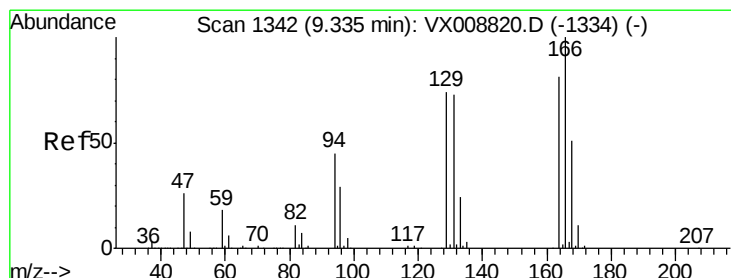
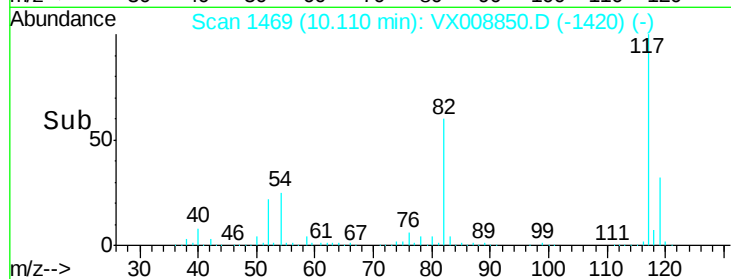
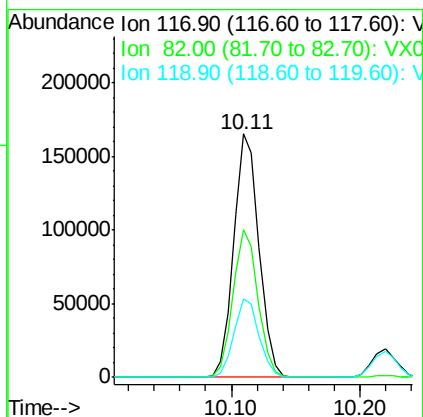
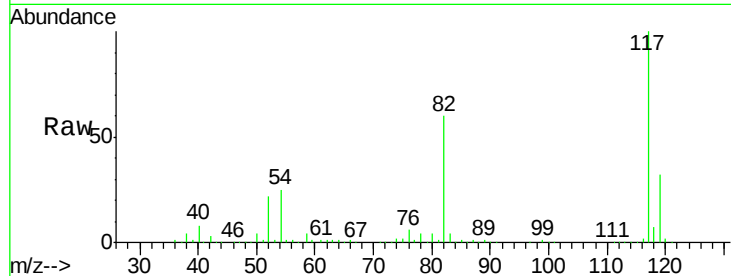
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	49.6	74.4
119	32.3	25.0	37.4

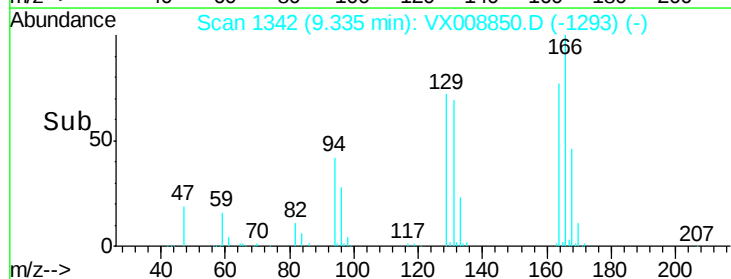
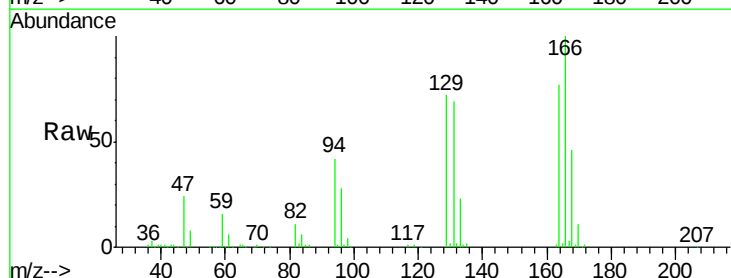
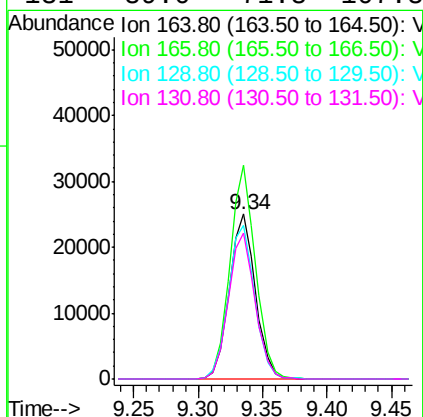
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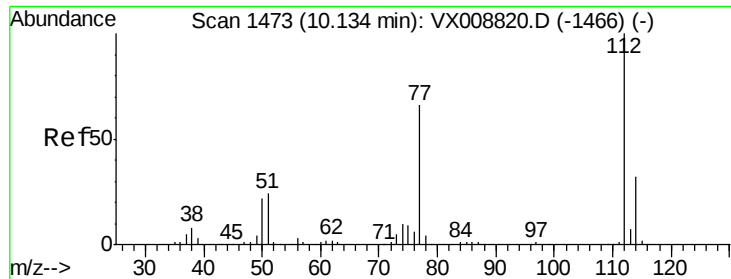
MMDadoda
4/12/2019 9:45:54 AM



#64
Tetrachloroethene
Concen: 21.157 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.0	151.6
129	93.2	75.8	113.8
131	89.0	71.8	107.8





#65

Chlorobenzene

Concen: 20.152 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion:112 Resp: 100685

Ion Ratio Lower Upper

112 100

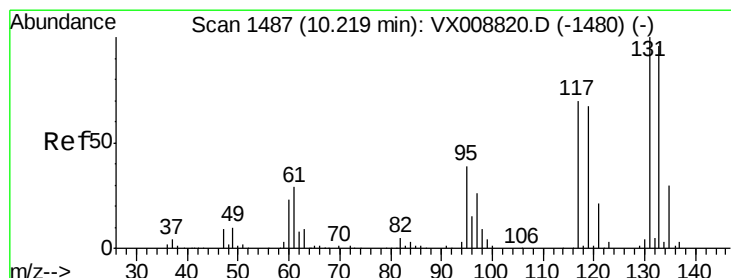
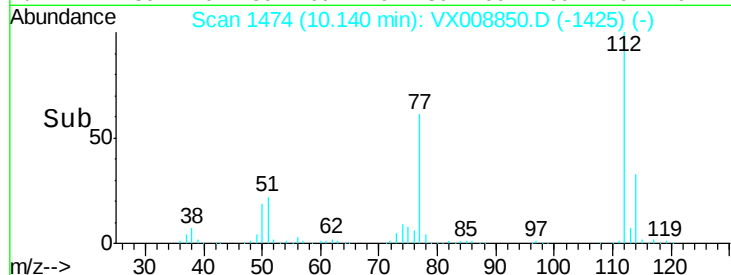
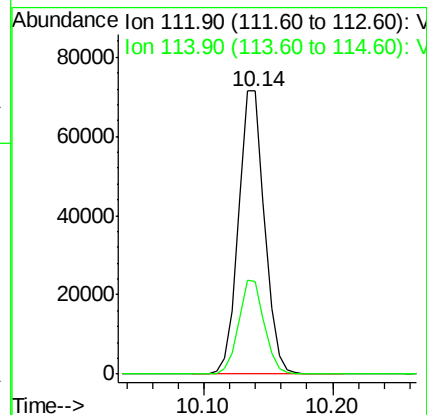
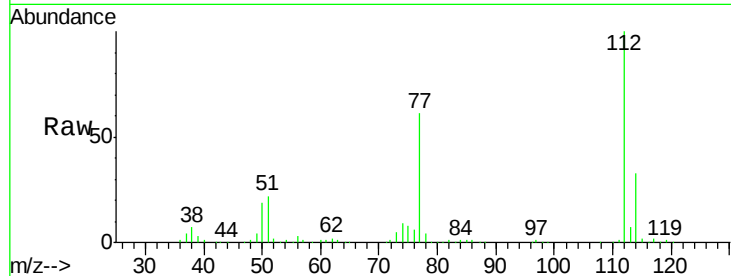
114 32.9 25.8 38.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.253 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

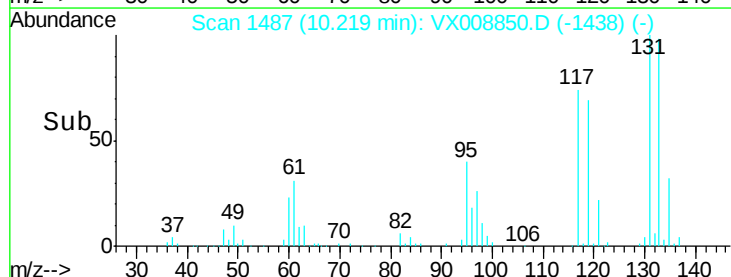
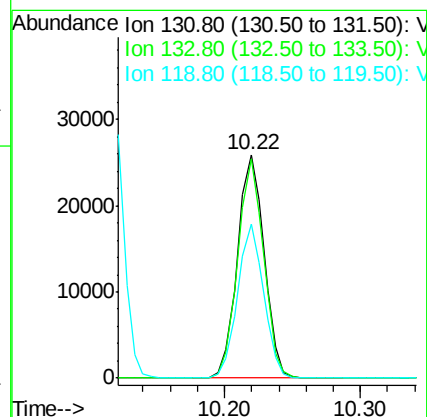
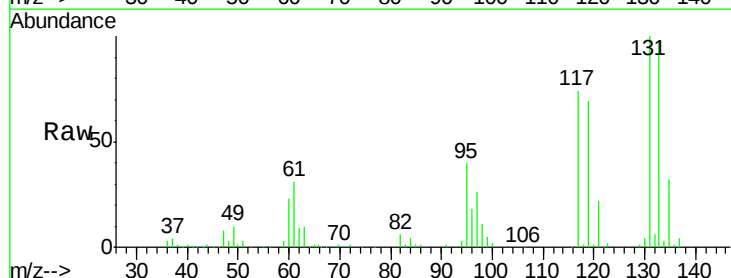
Tgt Ion:131 Resp: 35499

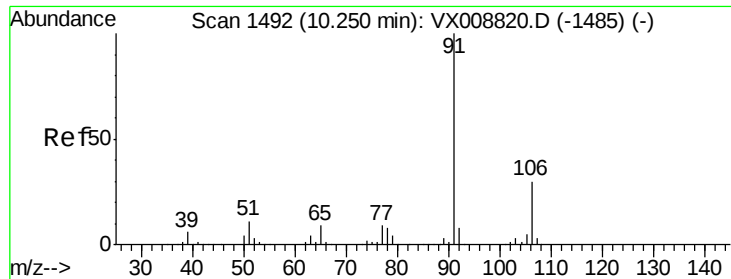
Ion Ratio Lower Upper

131 100

133 95.0 47.0 141.2

119 67.5 33.7 101.0





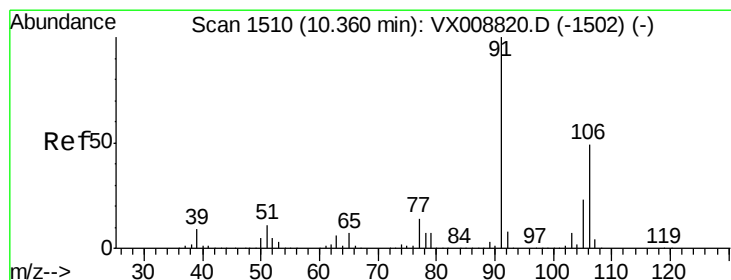
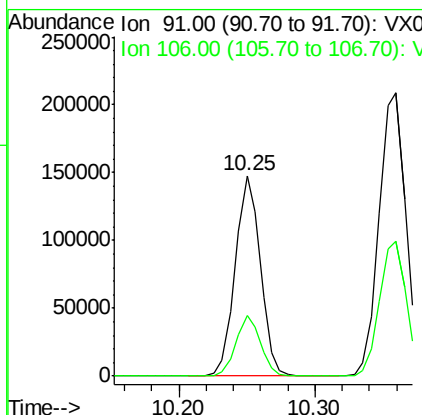
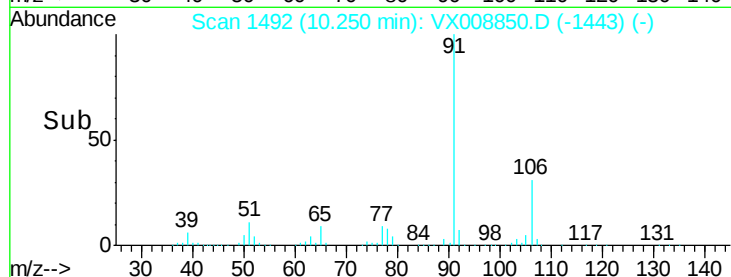
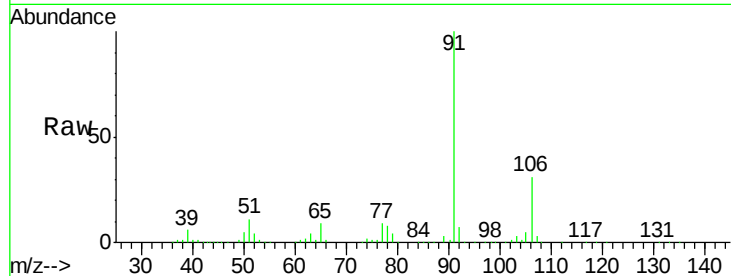
#67
Ethyl Benzene
Concen: 20.413 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion: 91 Resp: 190177
Ion Ratio Lower Upper
91 100
106 30.6 23.7 35.5

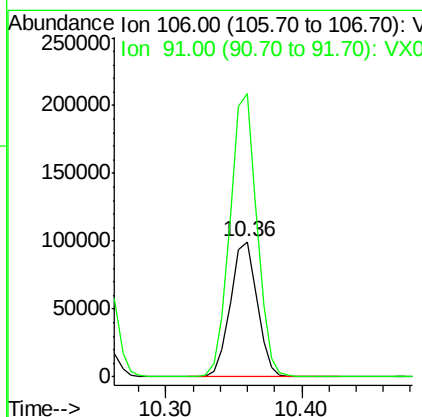
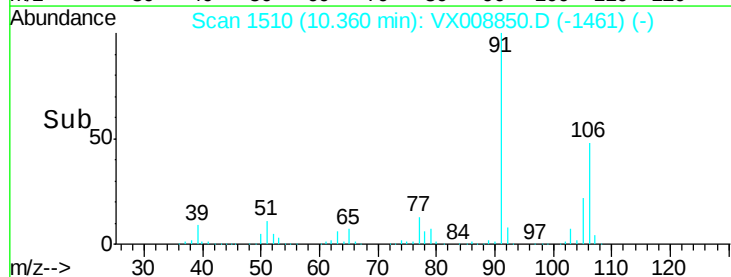
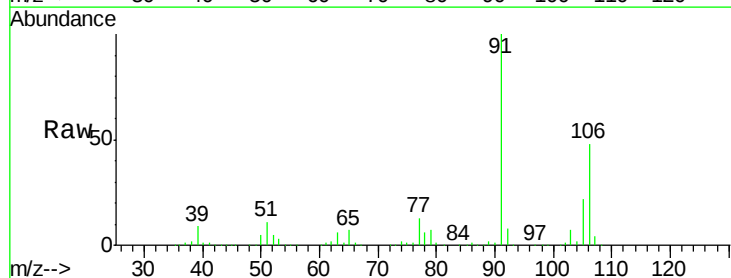
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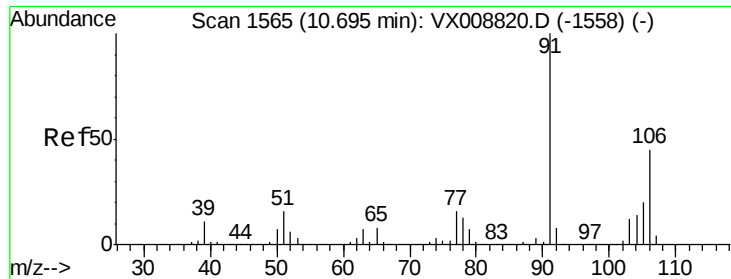
MMDadoda
4/12/2019 9:45:54 AM



#68
m/p-Xylenes
Concen: 41.048 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion: 106 Resp: 137497
Ion Ratio Lower Upper
106 100
91 208.6 168.5 252.7





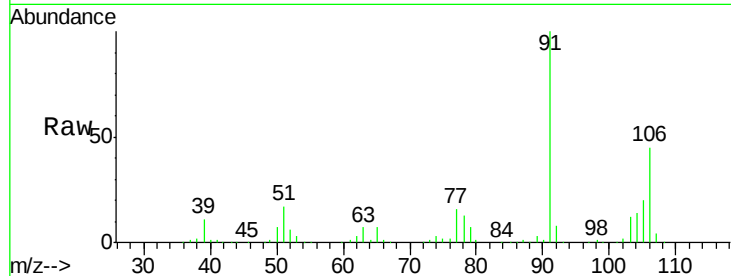
#69
o-Xylene
Concen: 20.759 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

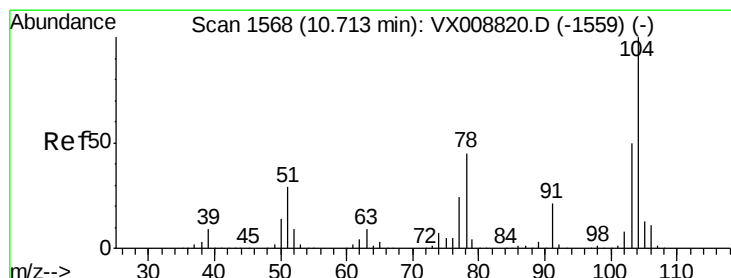
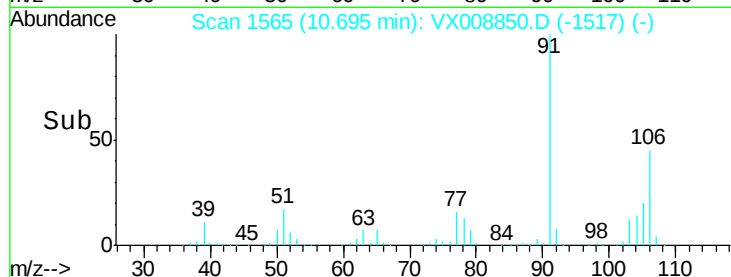
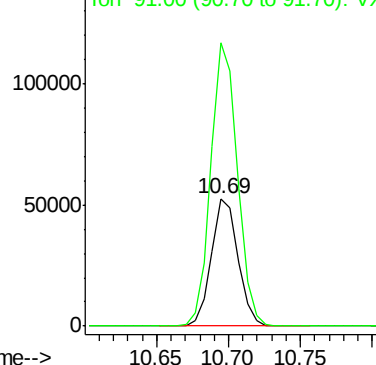
Tot Ion:106 Resp: 67388
Ion Ratio Lower Upper
106 100
91 222.5 111.5 334.4

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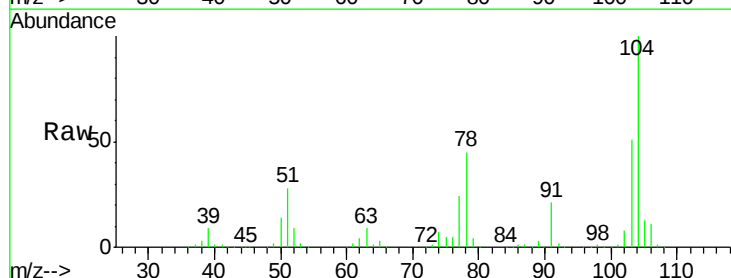


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

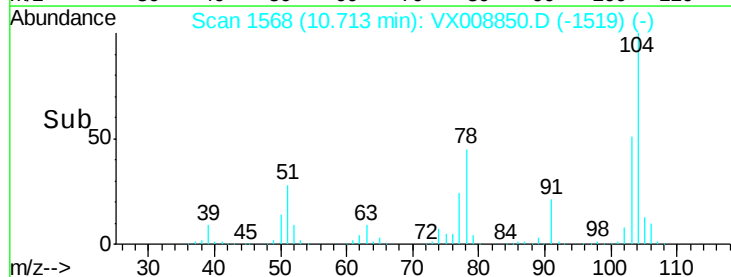
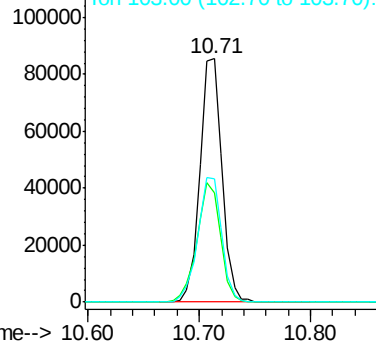


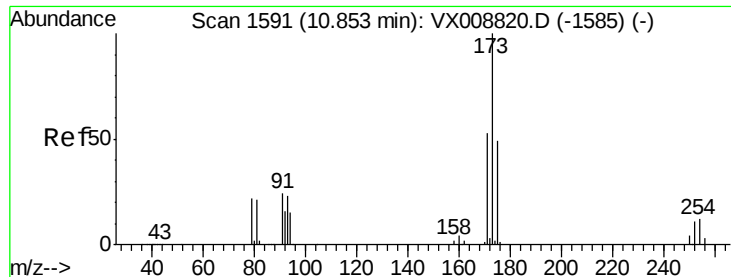
#70
Styrene
Concen: 20.921 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion:104 Resp: 117068
Ion Ratio Lower Upper
104 100
78 52.4 42.3 63.5
103 55.3 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.818 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion:173 Resp: 27868

Ion Ratio Lower Upper

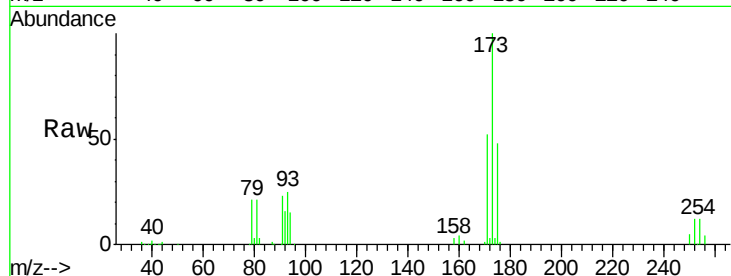
173 100

175 47.4 24.9 74.6

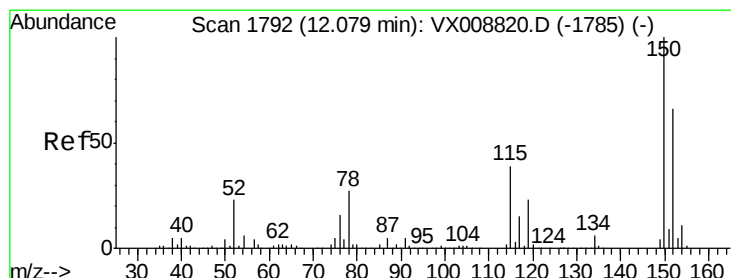
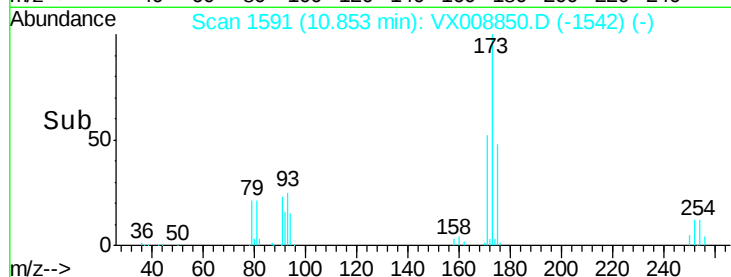
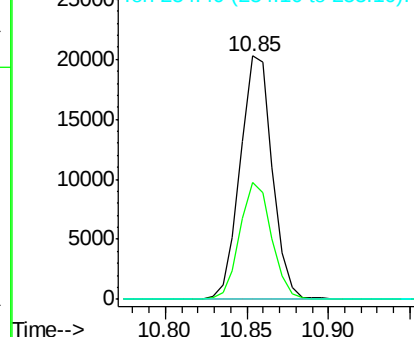
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

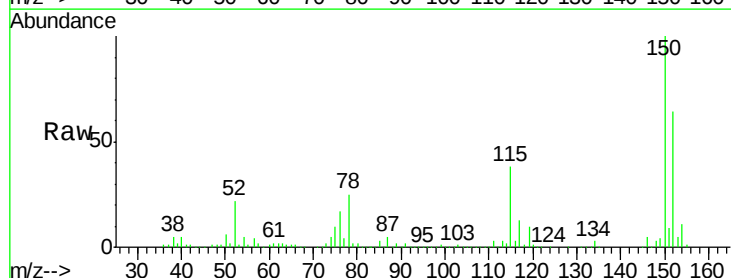
Tgt Ion:152 Resp: 105768

Ion Ratio Lower Upper

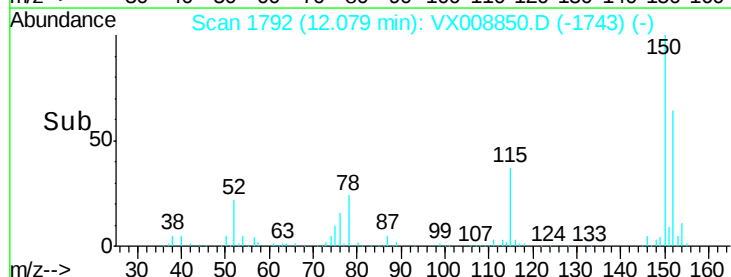
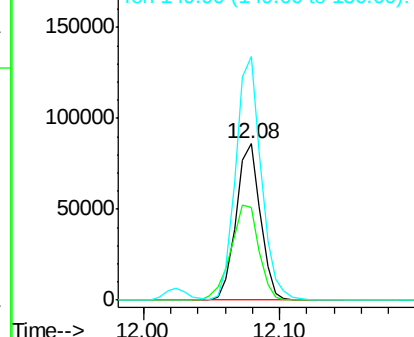
152 100

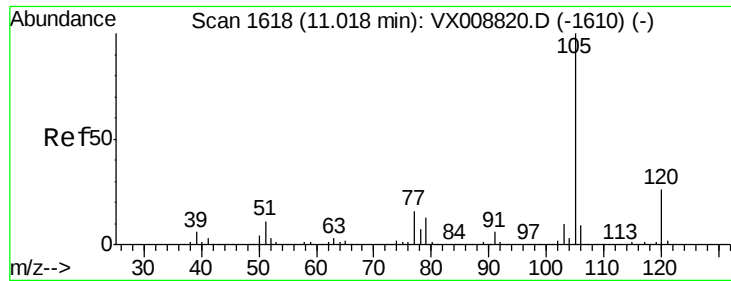
115 70.3 43.5 130.5

150 164.8 0.0 348.8



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





#73

Isopropylbenzene

Concen: 20.268 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion: 105 Resp: 177657

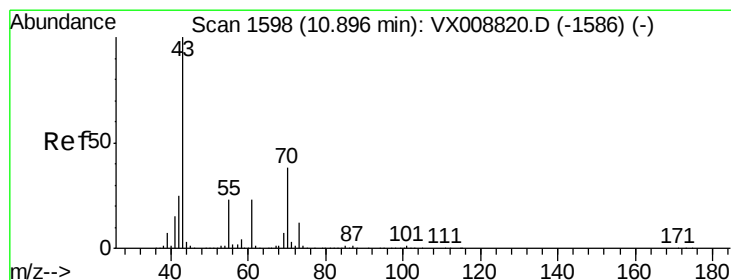
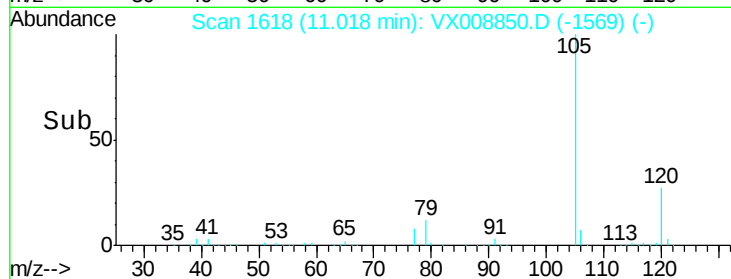
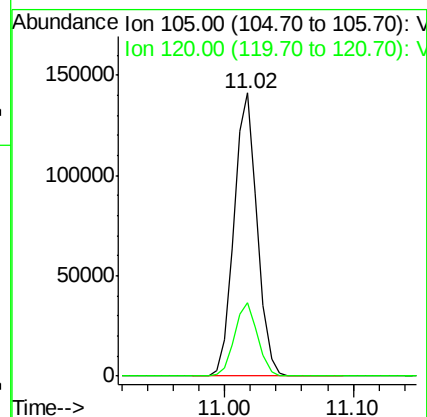
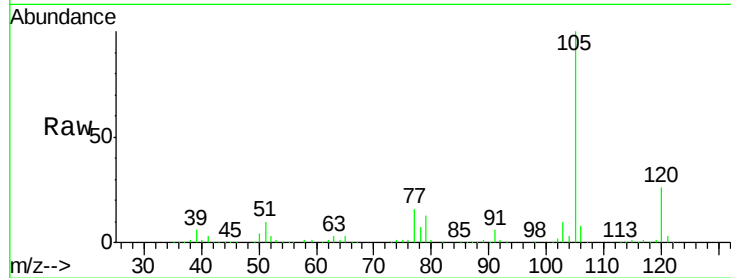
Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.6

Manual Integrations
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MMDadoda
4/12/2019 9:45:54 AM



#74

N-ethyl acetate

Concen: 20.672 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Tgt Ion: 43 Resp: 106606

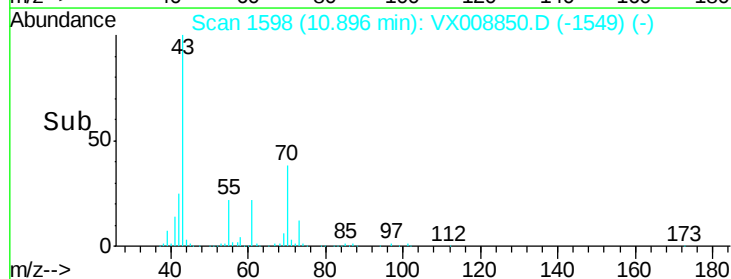
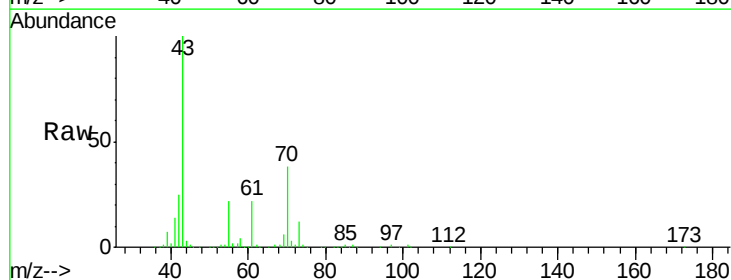
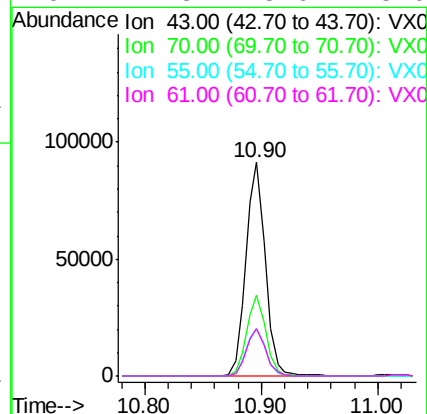
Ion Ratio Lower Upper

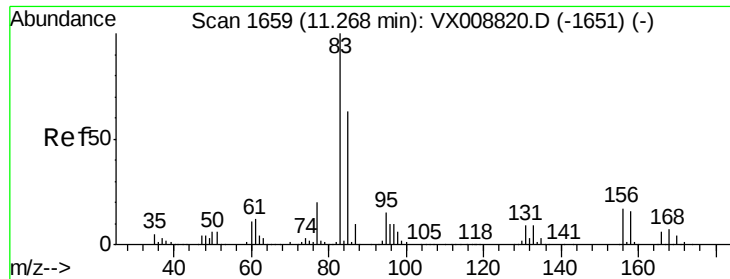
43 100

70 37.5 30.2 45.4

55 22.7 18.2 27.4

61 22.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.814 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

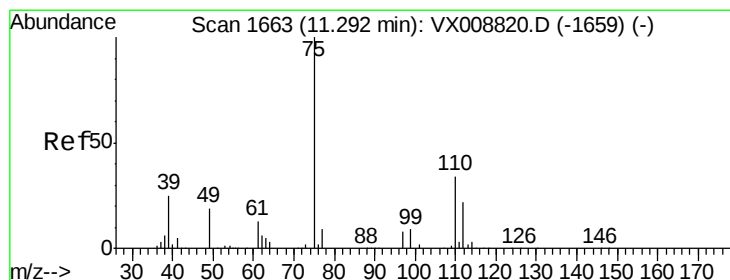
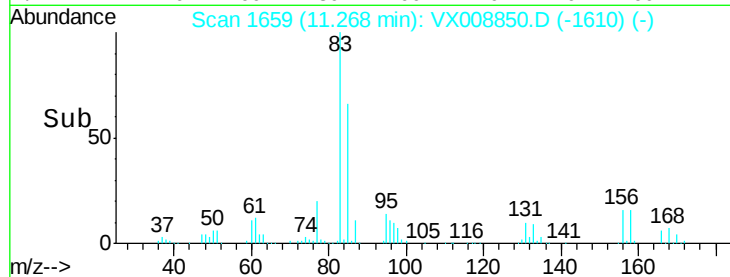
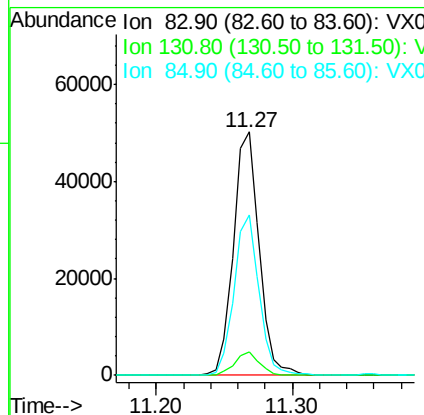
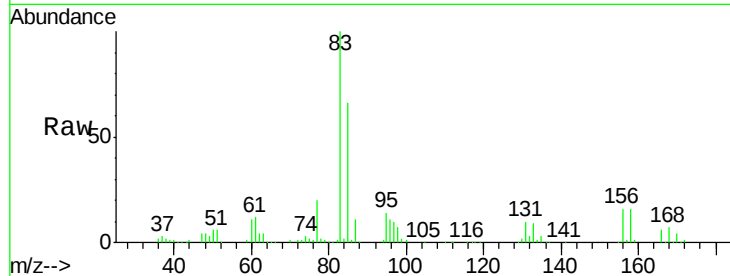
ClientSampleId :

VX0411MBS01

Tot Ion:	83	Resp:	66051
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.7
85	64.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.983 ug/l m

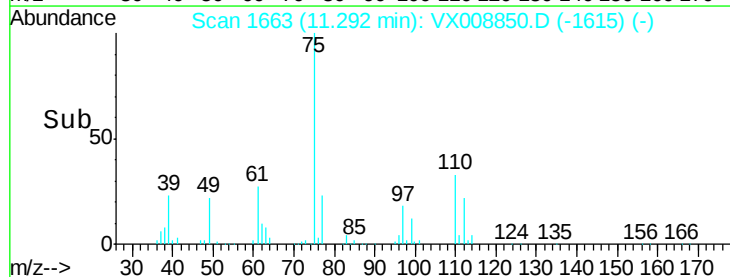
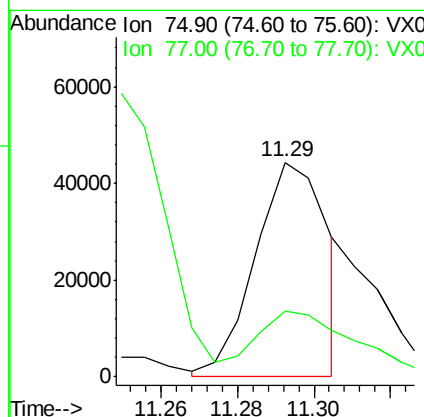
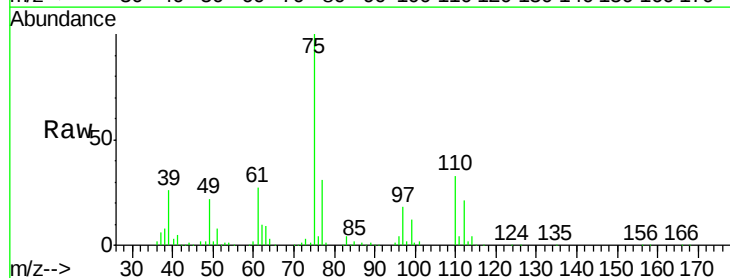
RT: 11.29 min Scan# 1663

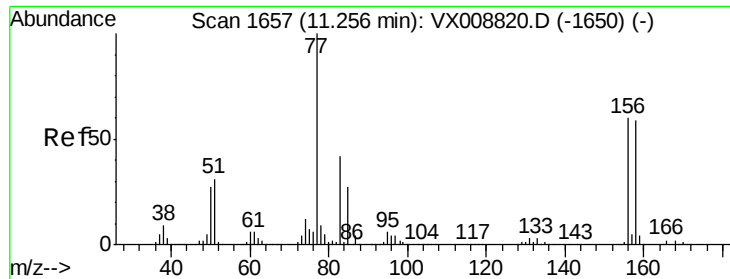
Delta R.T. -0.01 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Tgt Ion:	75	Resp:	58063
Ion Ratio	Lower	Upper	
75	100		
77	42.6	22.3	66.8





#77

Bromobenzene

Concen: 20.609 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion:156 Resp: 43426

Ion Ratio Lower Upper

156 100

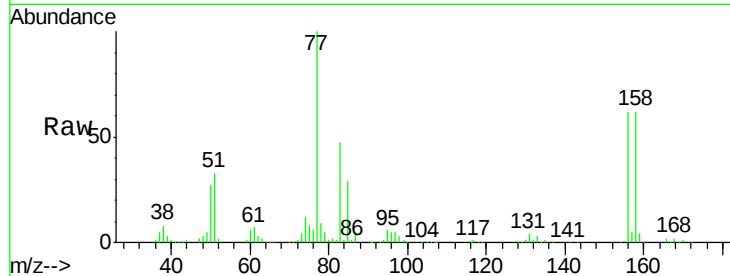
77 174.8 89.8 269.6

158 97.3 48.6 145.9

Manual Integrations
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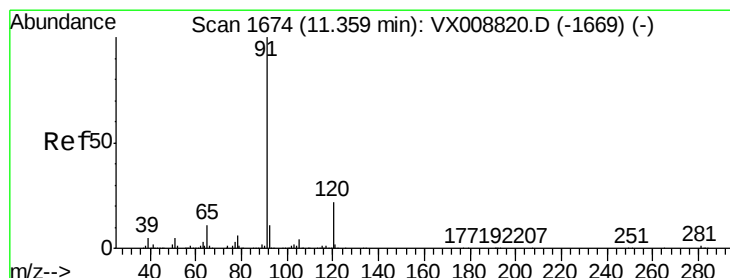
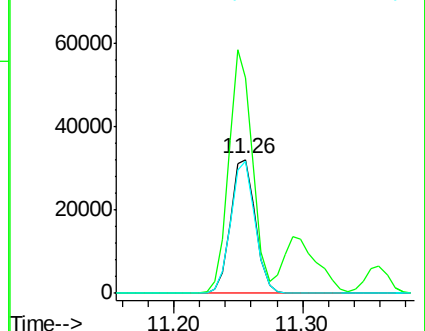
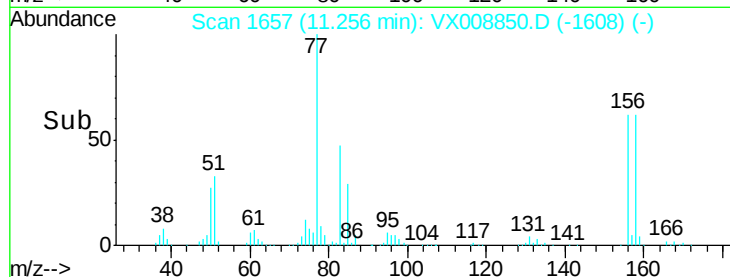
4/12/2019 9:45:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.023 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008850.D

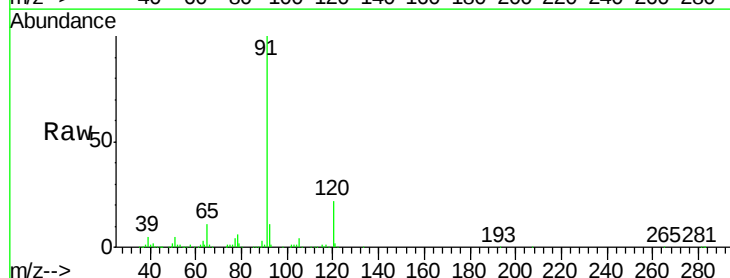
Acq: 11 Apr 2019 14:34

Tgt Ion: 91 Resp: 204361

Ion Ratio Lower Upper

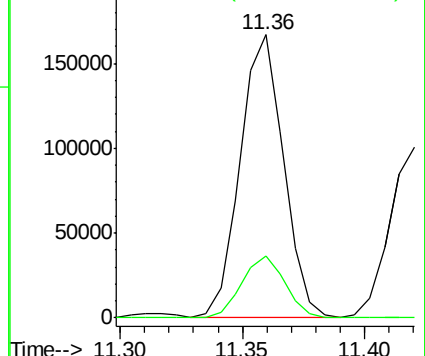
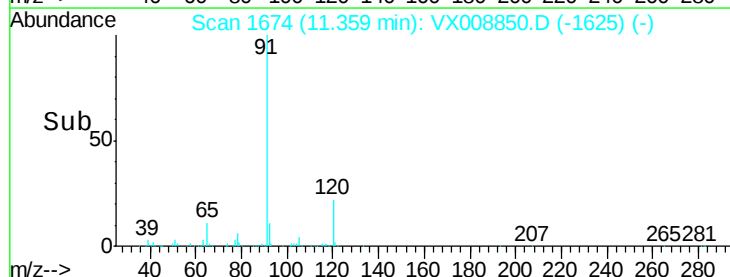
91 100

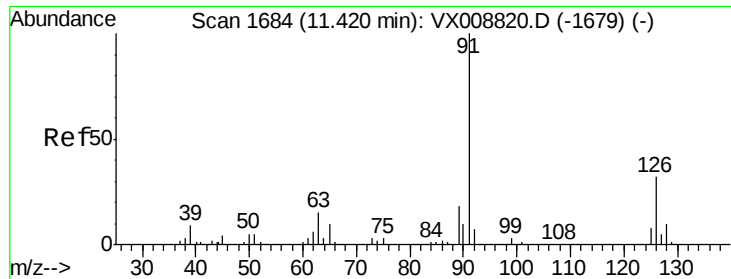
120 22.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





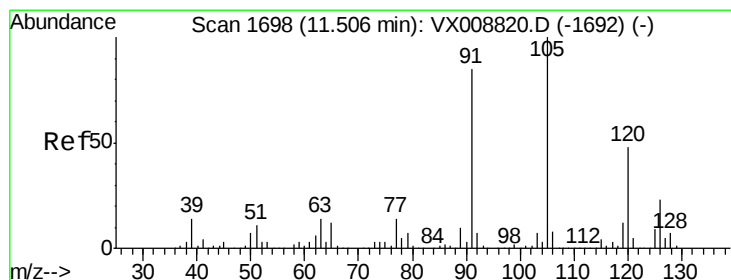
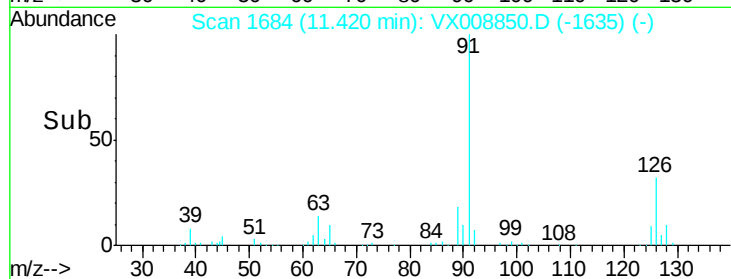
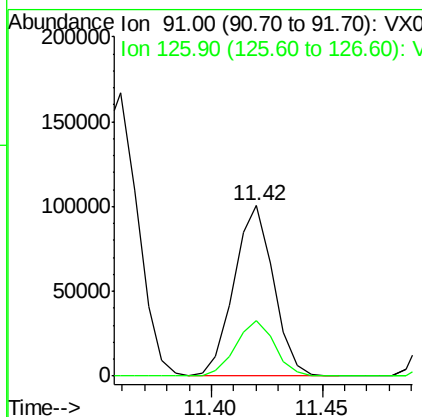
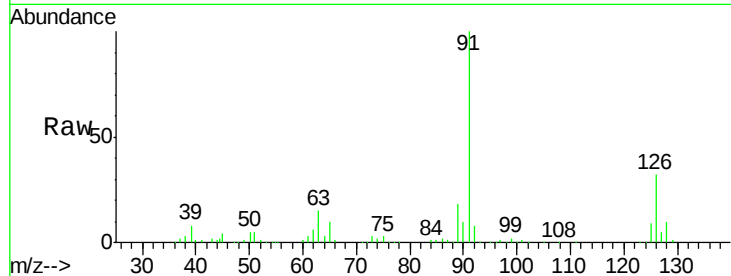
#79
 2-Chlorotoluene
 Concen: 20.037 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion: 91 Resp: 123755
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.1 48.3

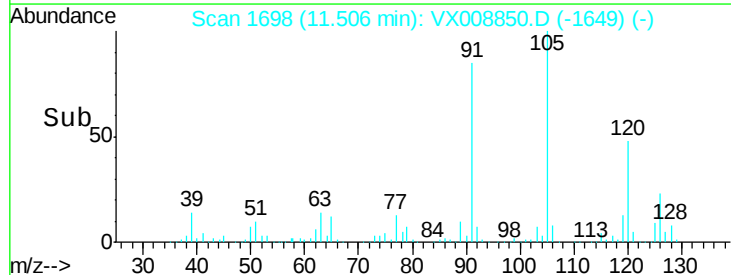
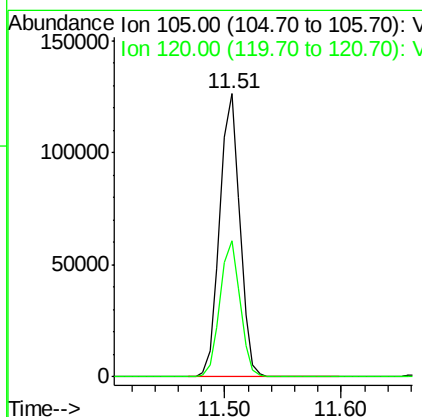
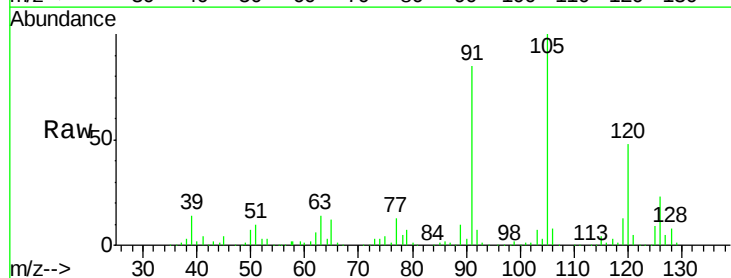
Manual Integrations
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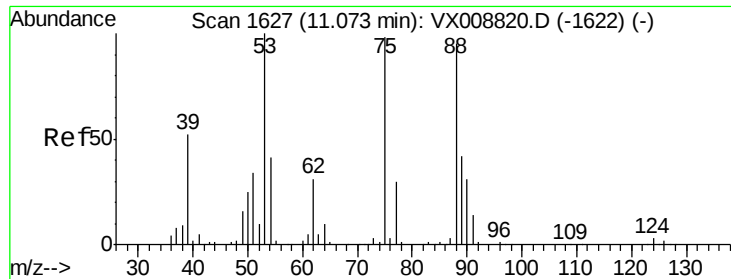
MMDadoda
 4/12/2019 9:45:54 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.393 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion: 105 Resp: 150046
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.5 70.6





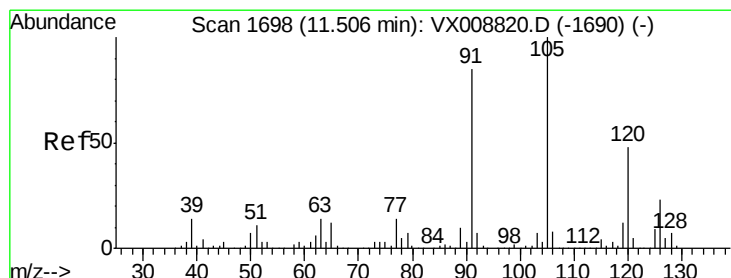
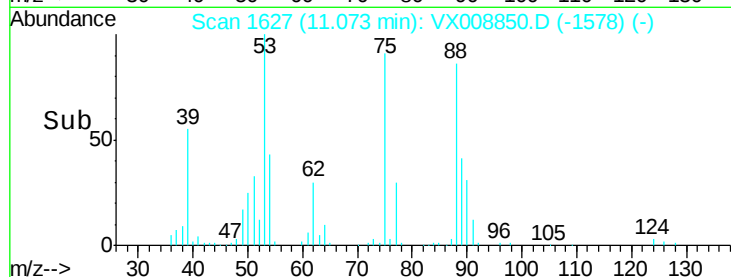
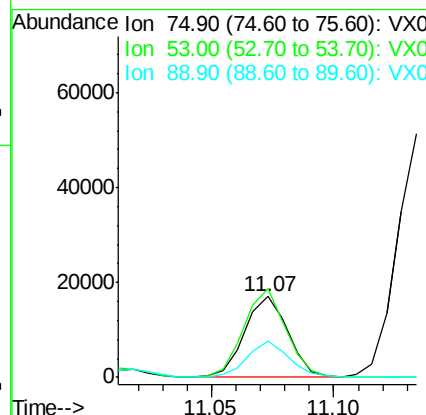
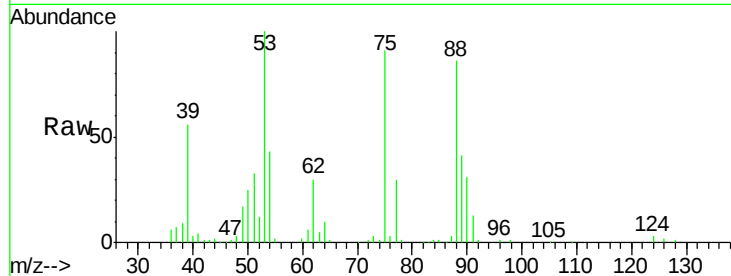
#81
trans-1,4-Dichloro-2-butene
Concen: 19.989 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.8	81.3	121.9
89	44.0	35.6	53.4

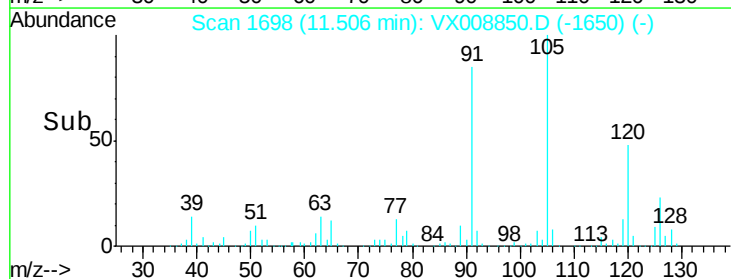
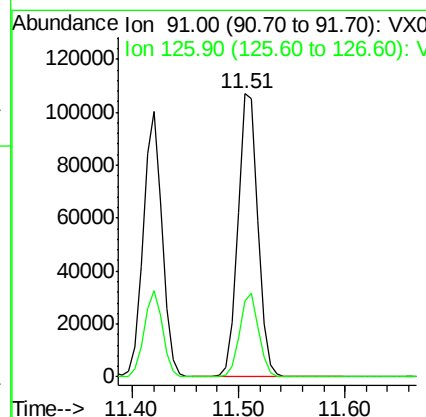
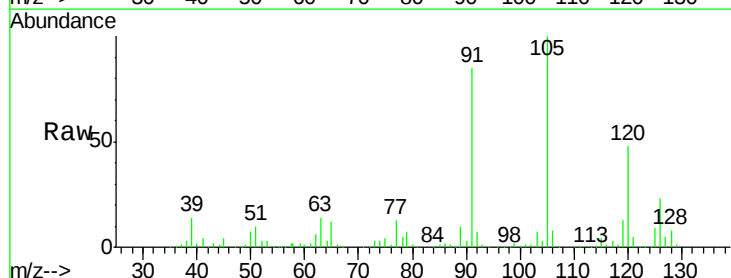
Manual Integrations
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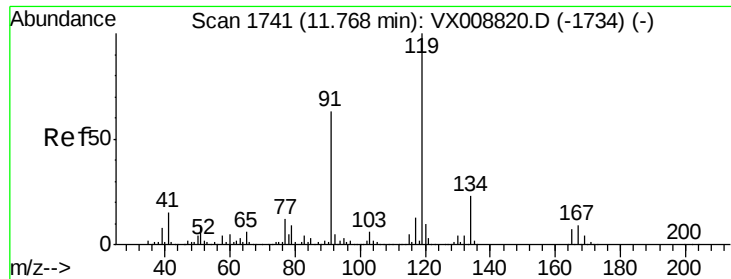
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.737 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	13.9	41.6





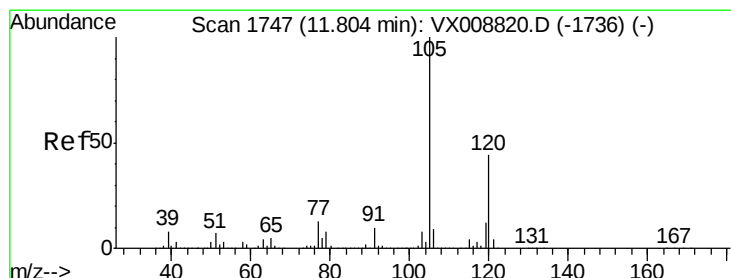
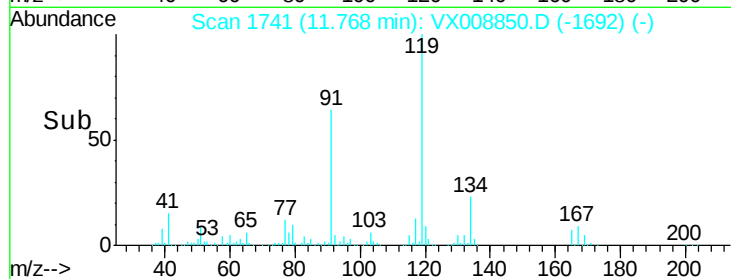
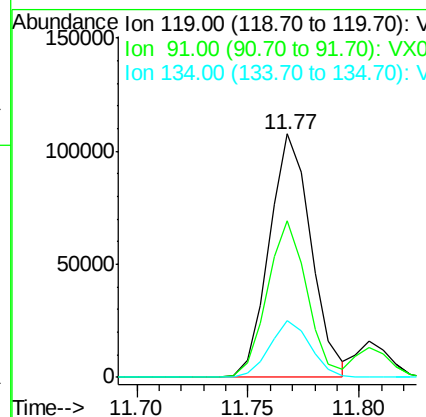
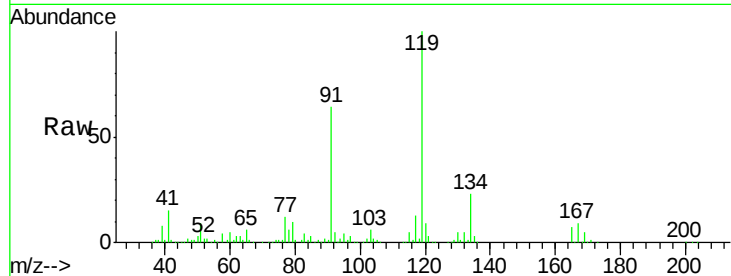
#83
tert-Butylbenzene
Concen: 19.884 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140753		
91	61.1	30.0	90.1	
134	22.5	11.1	33.3	

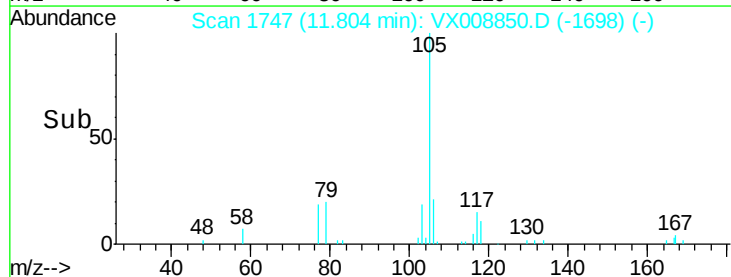
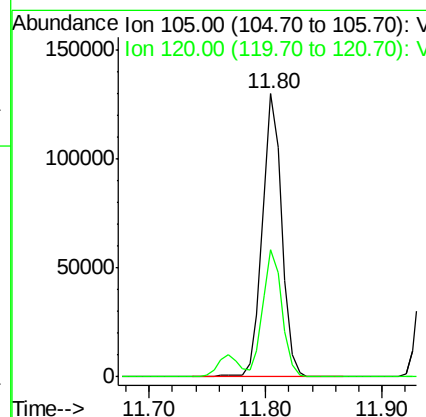
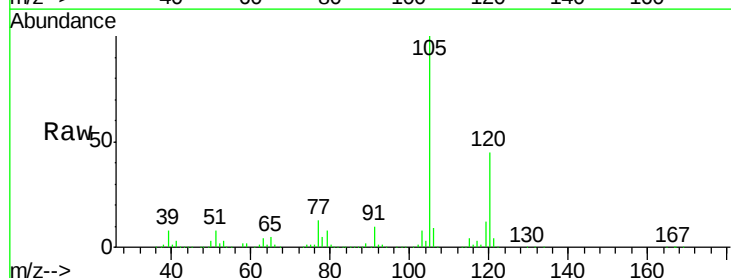
Manual Integrations
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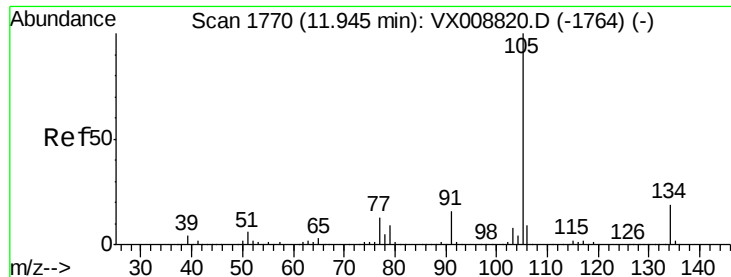
MMDadoda
4/12/2019 9:45:54 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.316 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151360		
120	44.0	21.8	65.3	





#85

sec-Butylbenzene

Concen: 20.165 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBS01

Tot Ion:105 Resp: 169552

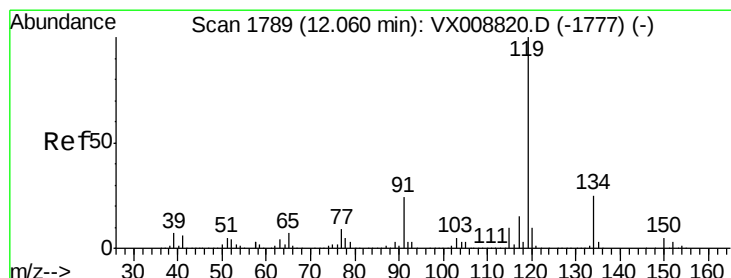
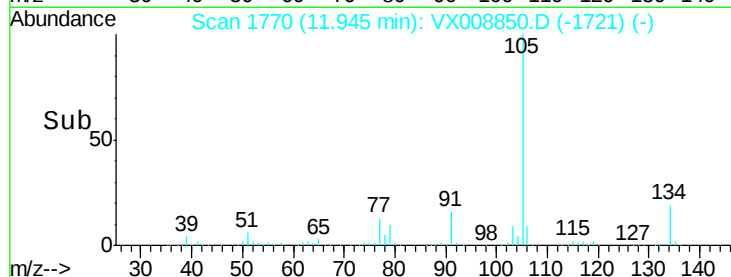
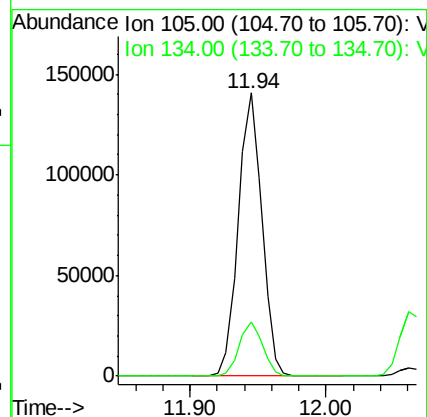
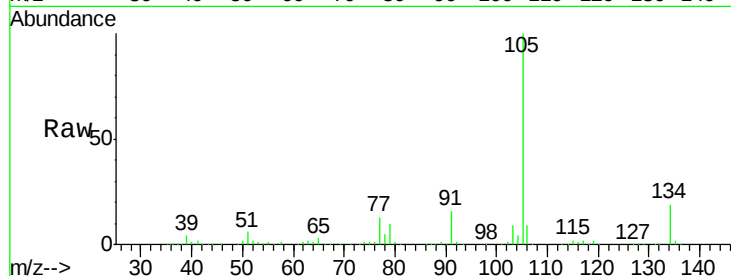
Ion Ratio Lower Upper

105 100

134 19.4 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.311 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

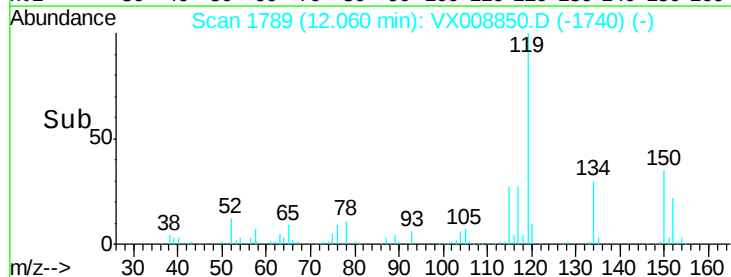
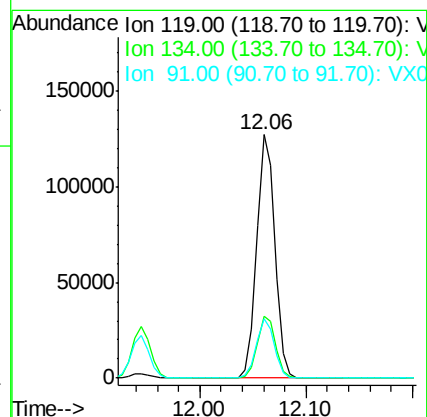
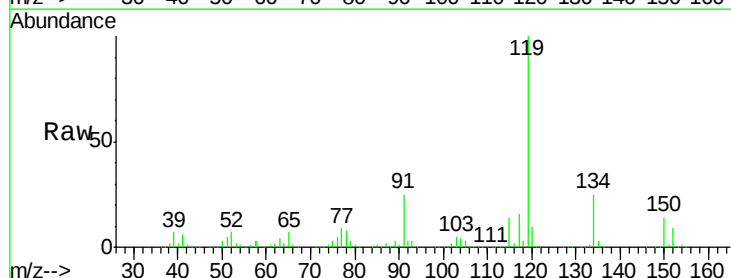
Tgt Ion:119 Resp: 153282

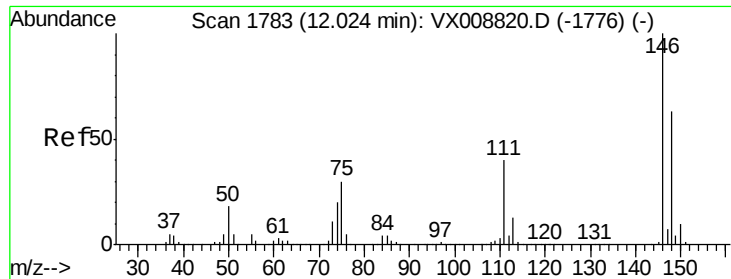
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.2 12.2 36.6





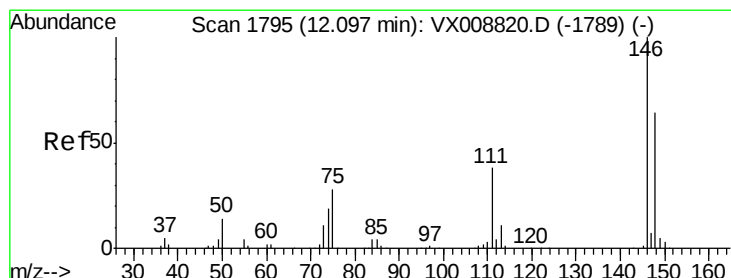
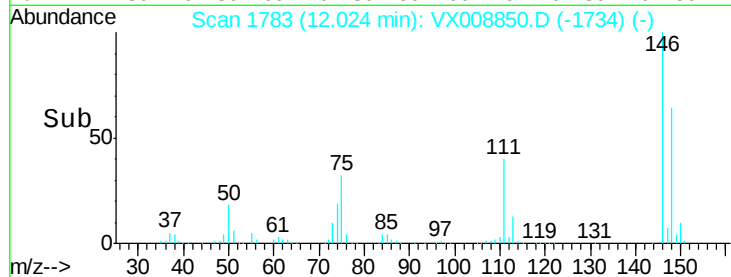
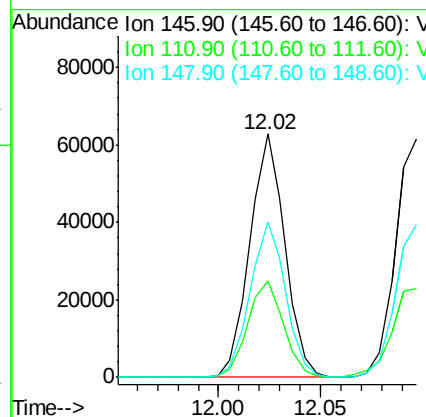
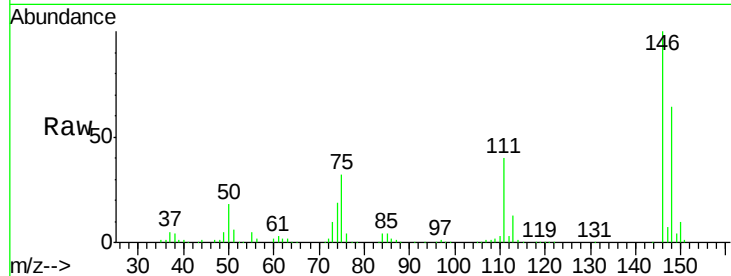
#87
 1,3-Dichlorobenzene
 Concen: 19.891 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.5
148	64.5	31.6	94.7

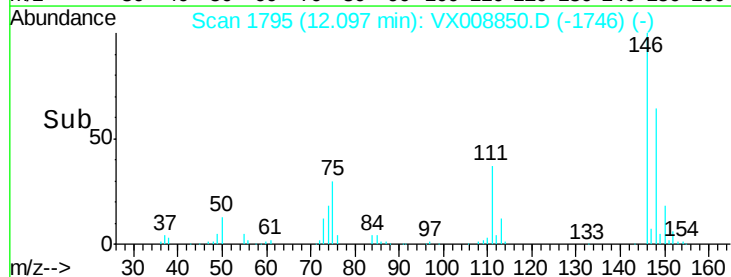
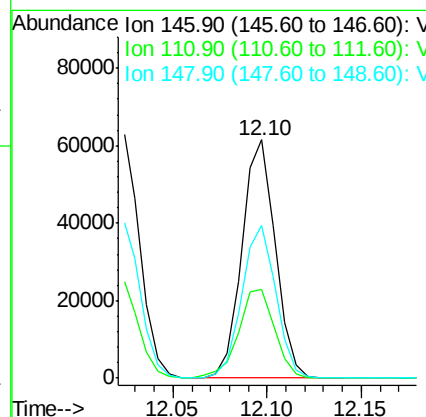
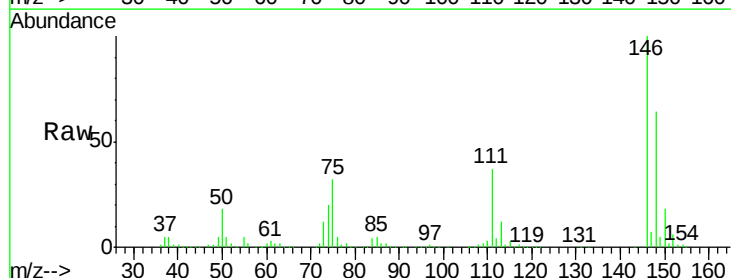
Manual Integrations
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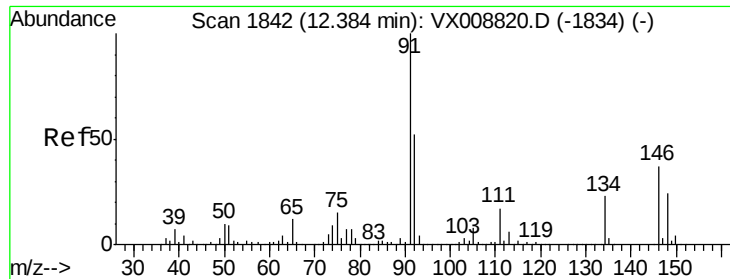
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 4/12/2019 9:45:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.713 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.2	60.6
148	65.2	32.0	96.0





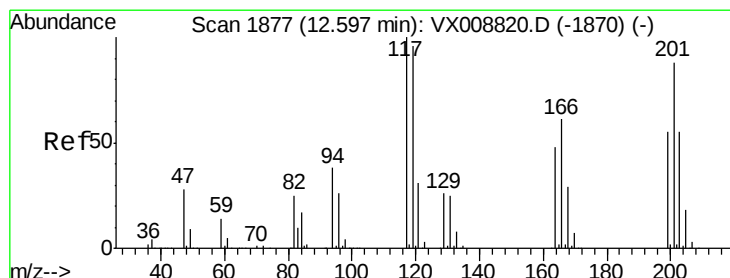
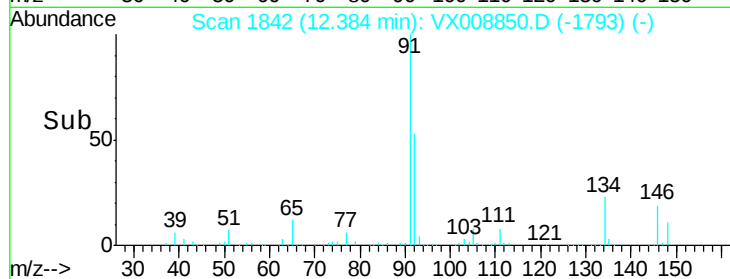
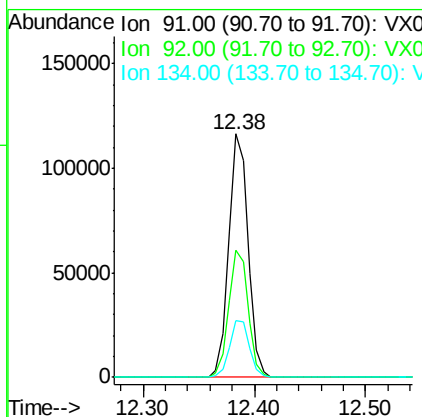
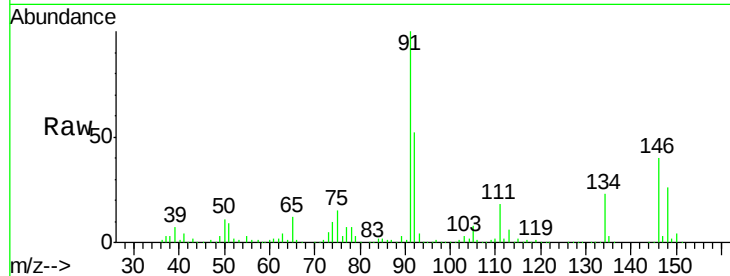
#89
n-Butylbenzene
Concen: 19.762 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	24.1	12.0	36.0

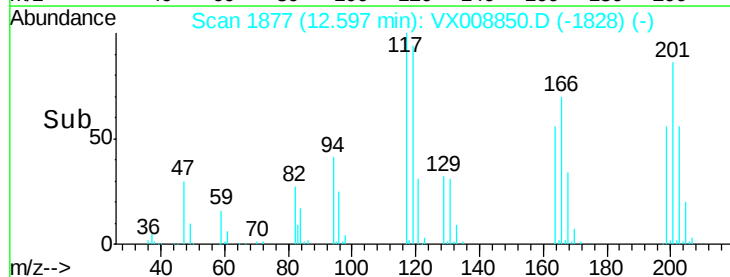
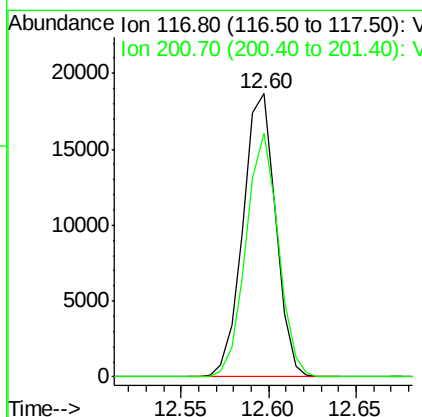
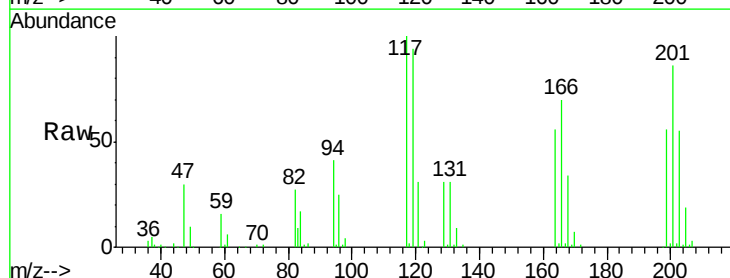
Manual Integrations
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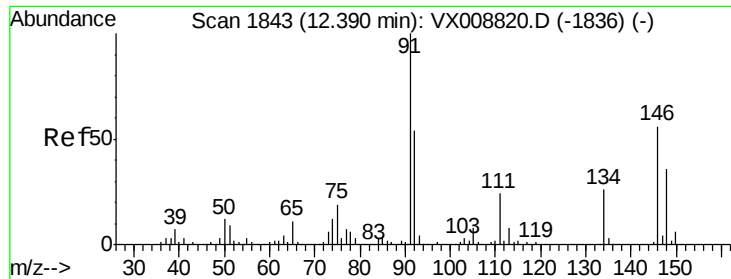
MMDadoda
4/12/2019 9:45:54 AM



#90
Hexachloroethane
Concen: 19.425 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008850.D
Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	40.6	122.0





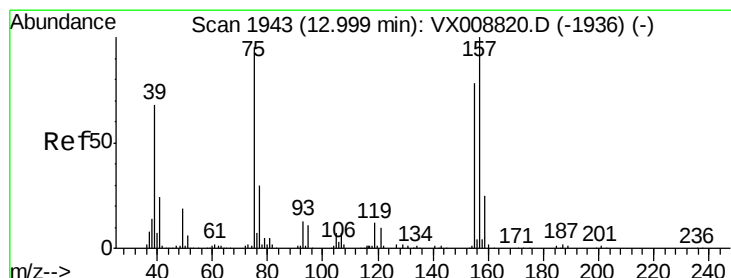
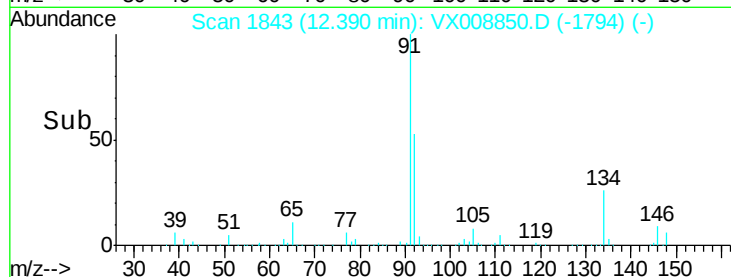
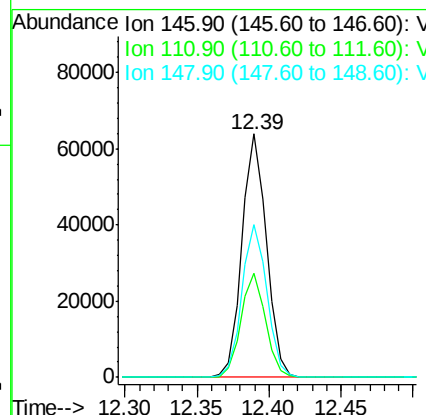
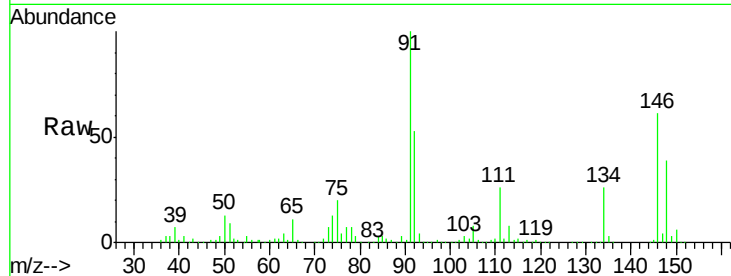
#91
 1,2-Dichlorobenzene
 Concen: 20.268 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.9
148	64.1	31.7	95.1

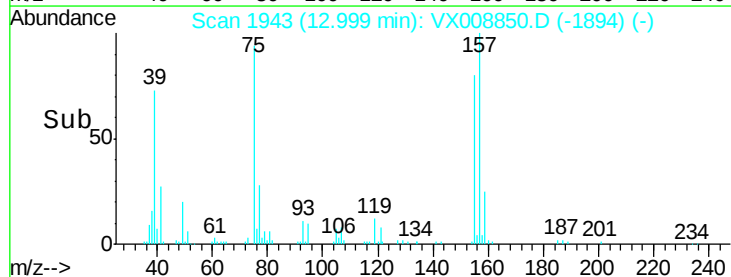
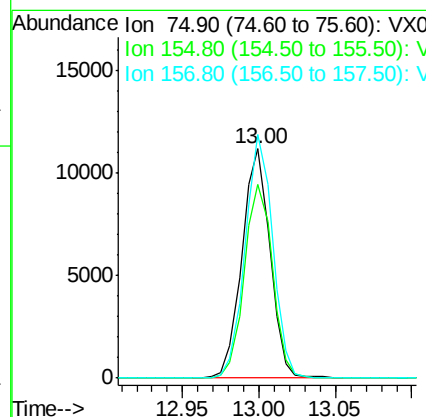
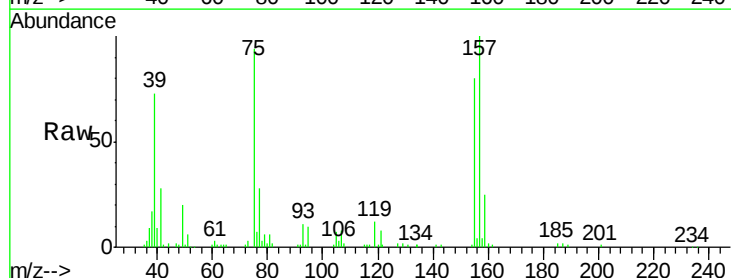
Manual Integrations
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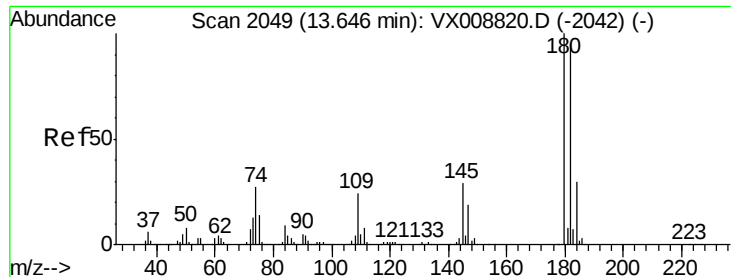
MMDadoda
 4/12/2019 9:45:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.339 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	39.9	119.6
157	104.4	51.5	154.7





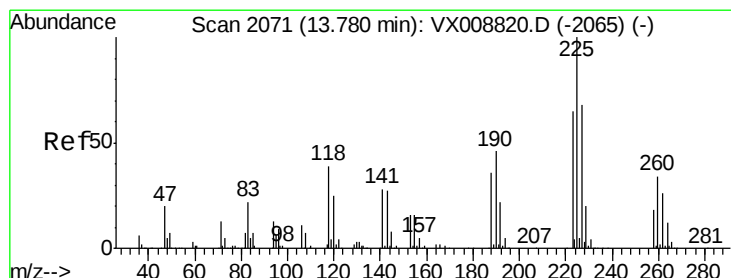
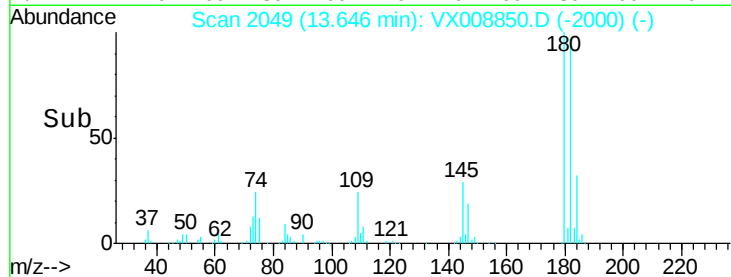
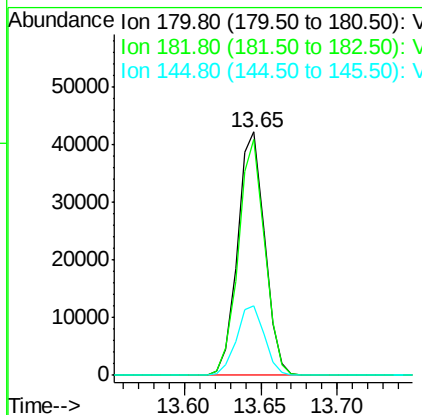
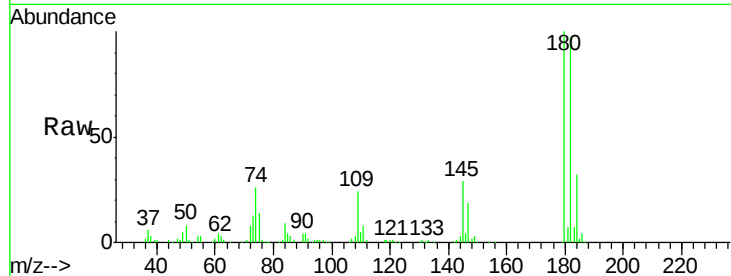
#93
 1,2,4-Trichlorobenzene
 Concen: 19.888 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.2	141.6
145	29.4	15.3	45.9

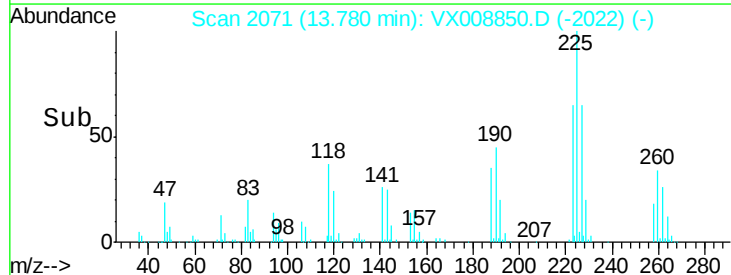
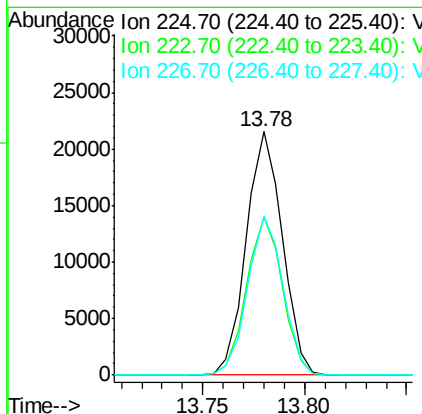
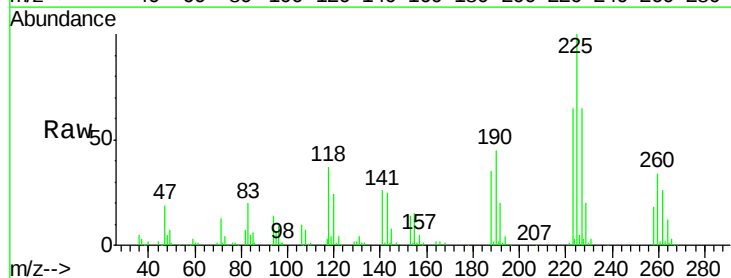
Manual Integrations
 APPROVED

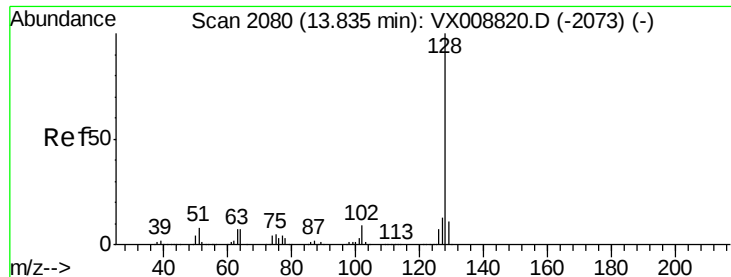
MMDadoda
 4/12/2019 9:45:54 AM



#94
 Hexachlorobutadiene
 Concen: 21.254 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008850.D
 Acq: 11 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.2	93.6
227	63.9	31.9	95.5





#95

Naphthalene

Concen: 20.033 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Instrument :

MSVOA_X

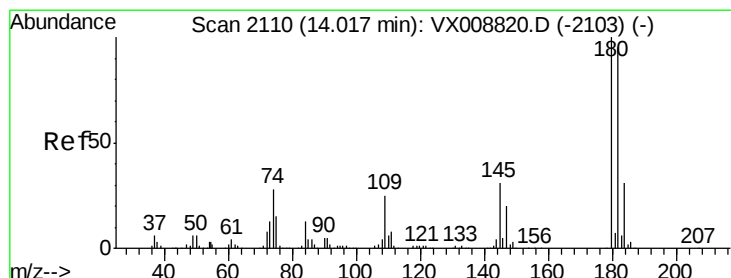
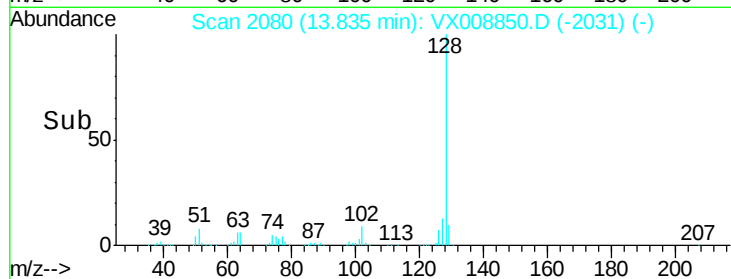
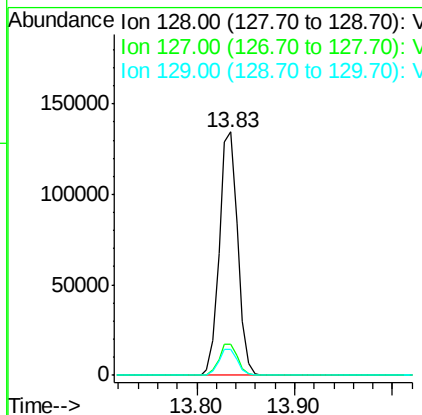
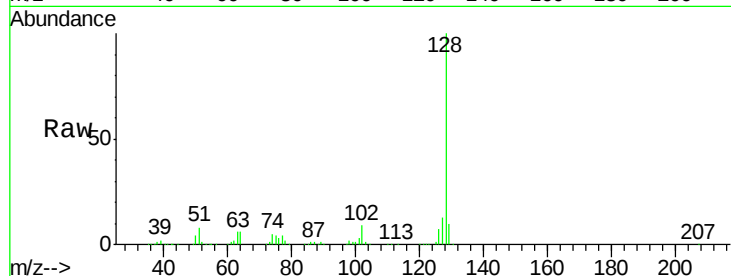
ClientSampleId :

VX0411MBS01

Tot Ion:	128	Resp:	174367
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:45:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.065 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008850.D

Acq: 11 Apr 2019 14:34

Tgt Ion:	180	Resp:	52207
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.1	144.3
145	30.4	16.3	48.8

