

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008514.D
 Acq On : 28 Mar 2019 13:07
 Operator : JC/SP
 Sample : VX0328WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 10:51:46 AM

Quant Time: Mar 29 02:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	146194	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	5.50	113	106966	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	8.71	98	430732	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.13	95	158243	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	35739	16.453	ug/l 99
3) Chloromethane	1.32	50	52467	18.737	ug/l 99
4) Vinyl Chloride	1.40	62	51189	16.878	ug/l 98
5) Bromomethane	1.64	94	27749	18.610	ug/l 99
6) Chloroethane	1.72	64	32736	18.220	ug/l 100
7) Trichlorofluoromethane	1.93	101	58169	16.934	ug/l 97
8) Diethyl Ether	2.18	74	28240	17.372	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36495	17.580	ug/l 98
10) Methyl Iodide	2.51	142	38524	21.626	ug/l 100
11) Tert butyl alcohol	3.04	59	61576	99.479	ug/l 99
12) 1,1-Dichloroethene	2.37	96	37733	17.600	ug/l 94
13) Acrolein	2.29	56	35906	79.879	ug/l 100
14) Allyl chloride	2.73	41	85933	18.193	ug/l 98
15) Acrylonitrile	3.14	53	150406	92.666	ug/l 100
16) Acetone	2.44	43	136190	93.269	ug/l 99
17) Carbon Disulfide	2.57	76	106975	17.139	ug/l 100
18) Methyl Acetate	2.77	43	65919	18.797	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	144419	18.693	ug/l 100
20) Methylene Chloride	2.85	84	46796	19.243	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	40446	18.763	ug/l 96
22) Diisopropyl ether	3.85	45	172223	18.518	ug/l 99
23) Vinyl Acetate	3.81	43	762532	93.976	ug/l 100
24) 1,1-Dichloroethane	3.70	63	86160	18.350	ug/l 98
25) 2-Butanone	4.67	43	222242	94.937	ug/l 99
26) 2,2-Dichloropropane	4.59	77	56883	18.214	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	47536	18.132	ug/l 99
28) Bromochloromethane	5.01	49	44208	19.057	ug/l 98
29) Tetrahydrofuran	5.13	42	144998	93.980	ug/l 99
30) Chloroform	5.21	83	77624	18.319	ug/l 97
31) Cyclohexane	5.58	56	81000	18.088	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	61429	18.136	ug/l 99
36) 1,1-Dichloropropene	5.80	75	58744	17.502	ug/l 99
37) Ethyl Acetate	4.84	43	82389	18.948	ug/l 98
38) Carbon Tetrachloride	5.79	117	51082	18.237	ug/l 95

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 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71508	17.828	ug/l	99
40) Benzene	6.14	78	183551	18.267	ug/l	97
41) Methacrylonitrile	5.04	41	46633	19.085	ug/l	100
42) 1,2-Dichloroethane	6.19	62	66313	18.025	ug/l	100
43) Isopropyl Acetate	6.45	43	129935	18.683	ug/l	99
44) Trichloroethene	7.21	130	41924	17.770	ug/l	98
45) 1,2-Dichloropropane	7.51	63	52785	18.482	ug/l	99
46) Dibromomethane	7.66	93	30197	18.106	ug/l	99
47) Bromodichloromethane	7.90	83	57042	17.869	ug/l	100
48) Methyl methacrylate	7.77	41	65393	18.792	ug/l	98
49) 1,4-Dioxane	7.74	88	27461	396.882	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	431689	95.566	ug/l	100
52) Toluene	8.78	92	110652	18.418	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	63217	18.080	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	71685	18.030	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45315	18.529	ug/l	98
56) Ethyl methacrylate	9.18	69	81811	18.532	ug/l	99
57) 1,3-Dichloropropane	9.37	76	81537	18.595	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	223509	97.945	ug/l	100
59) 2-Hexanone	9.49	43	337292	96.365	ug/l	99
60) Dibromochloromethane	9.58	129	41399	17.799	ug/l	99
61) 1,2-Dibromoethane	9.67	107	45700	18.310	ug/l	99
64) Tetrachloroethene	9.34	164	34400	18.259	ug/l	99
65) Chlorobenzene	10.13	112	112047	18.515	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	38878	18.620	ug/l	99
67) Ethyl Benzene	10.25	91	212731	18.625	ug/l	98
68) m/p-Xylenes	10.36	106	152164	36.621	ug/l	100
69) o-Xylene	10.70	106	75596	18.748	ug/l	99
70) Styrene	10.71	104	130147	18.686	ug/l	100
71) Bromoform	10.85	173	28846	17.494	ug/l #	99
73) Isopropylbenzene	11.02	105	200796	19.182	ug/l	100
74) N-amyl acetate	10.90	43	117794	19.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	75977	18.706	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	64963m	16.982	ug/l	
77) Bromobenzene	11.26	156	47302	18.618	ug/l	99
78) n-propylbenzene	11.36	91	231831	18.905	ug/l	100
79) 2-Chlorotoluene	11.42	91	139491	18.702	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	167659	18.945	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20978	17.564	ug/l	91
82) 4-Chlorotoluene	11.51	91	157951	18.359	ug/l	99
83) tert-Butylbenzene	11.77	119	161611	18.927	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	169320	18.916	ug/l	100
85) sec-Butylbenzene	11.94	105	191672	18.850	ug/l	100
86) p-Isopropyltoluene	12.06	119	169763	18.921	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	82915	18.266	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	82710	18.054	ug/l	98
89) n-Butylbenzene	12.38	91	154823	18.216	ug/l	100
90) Hexachloroethane	12.60	117	26725	17.879	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	84534	18.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17173	19.391	ug/l	99

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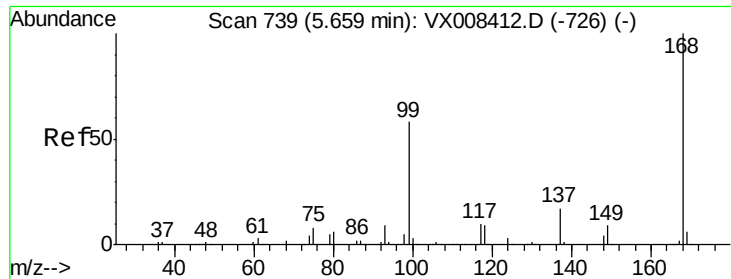
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	57452	18.772	ug/l	100
94) Hexachlorobutadiene	13.78	225	26891	18.504	ug/l	99
95) Naphthalene	13.83	128	212794	20.280	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	60137	19.555	ug/l	100

(#) = 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: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion:168 Resp: 184284

Ion Ratio Lower Upper

168 100

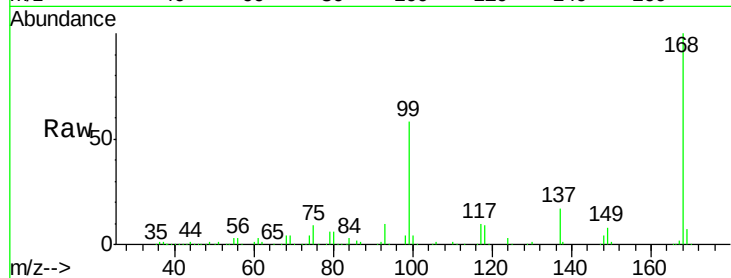
99 57.6 46.0 69.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

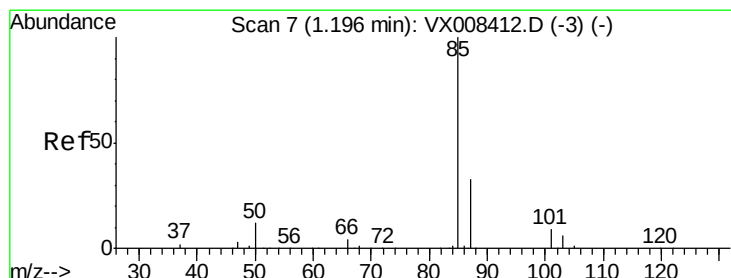
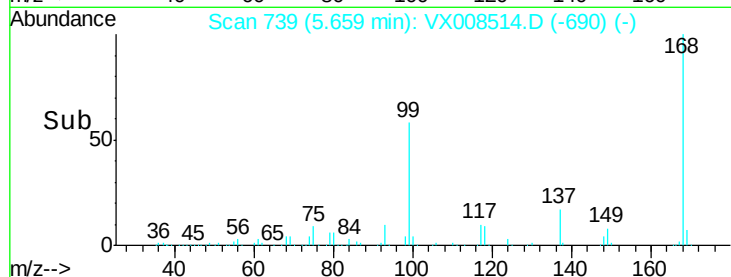
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.453 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008514.D

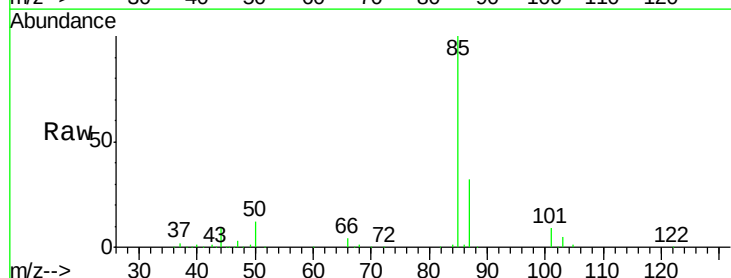
Acq: 28 Mar 2019 13:07

Tgt Ion: 85 Resp: 35739

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

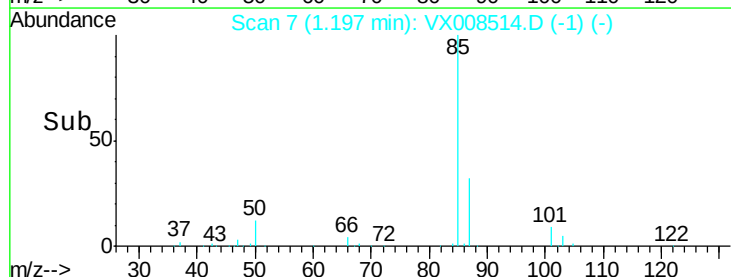
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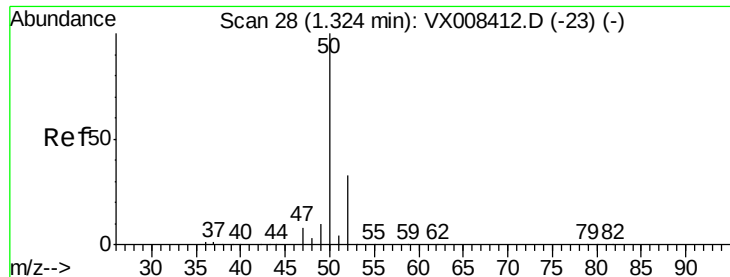
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.737 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion: 50 Resp: 52467

Ion Ratio Lower Upper

50 100

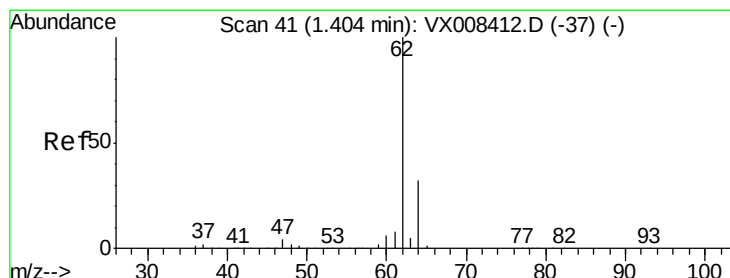
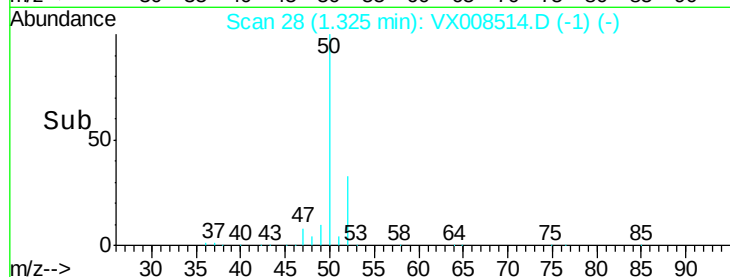
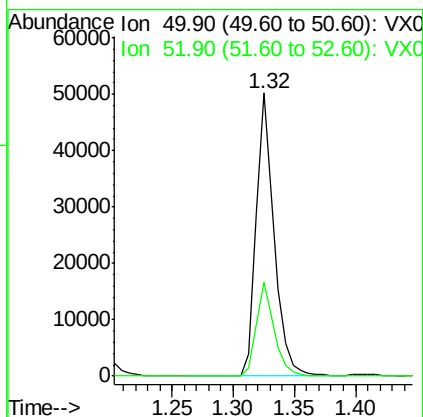
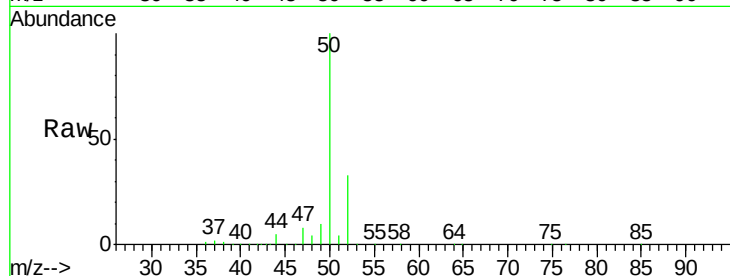
52 33.3 26.2 39.2

Manual Integrations

APPROVED

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3/29/2019 10:51:46 AM



#4

Vinyl Chloride

Concen: 16.878 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008514.D

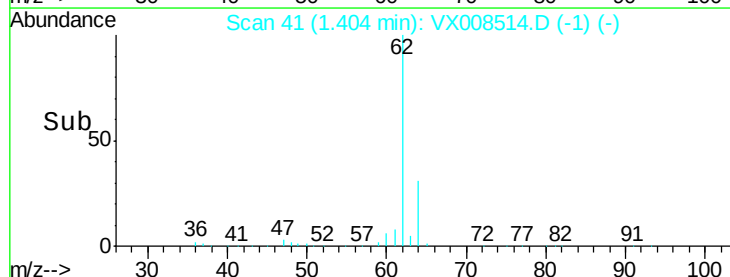
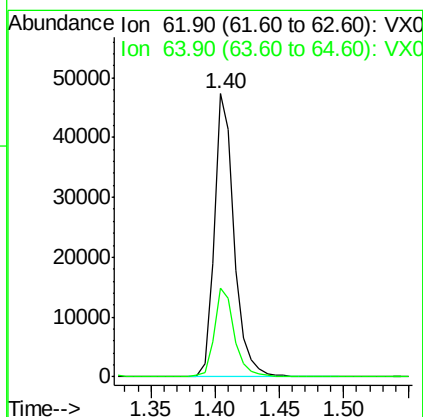
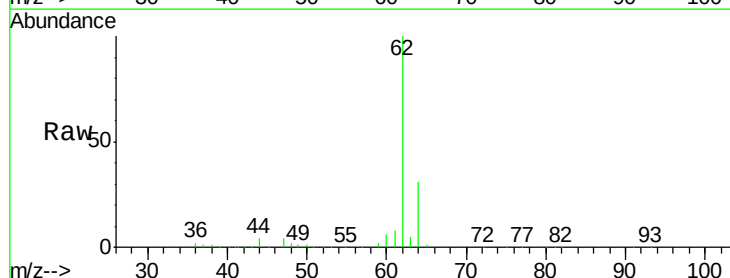
Acq: 28 Mar 2019 13:07

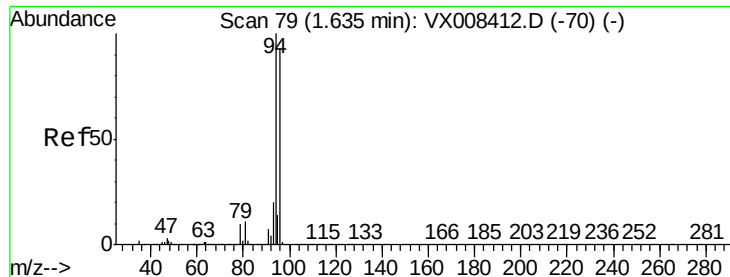
Tgt Ion: 62 Resp: 51189

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 18.610 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion: 94 Resp: 27749

Ion Ratio Lower Upper

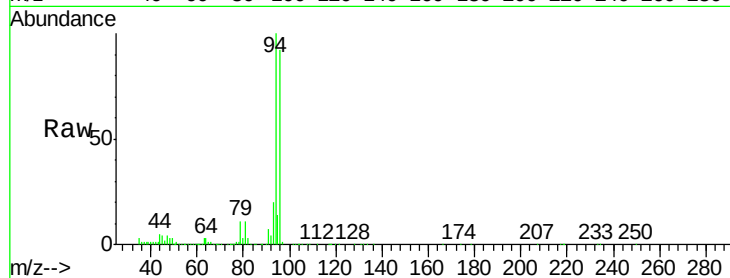
94 100

96 92.6 74.8 112.2

Manual Integrations
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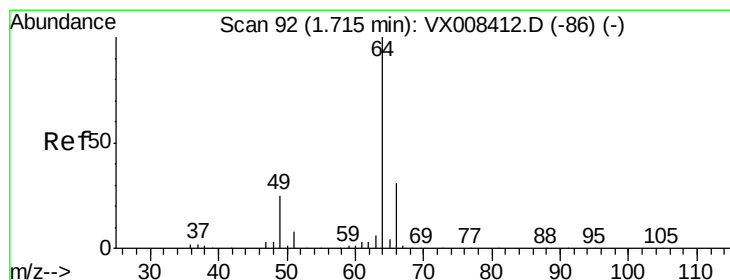
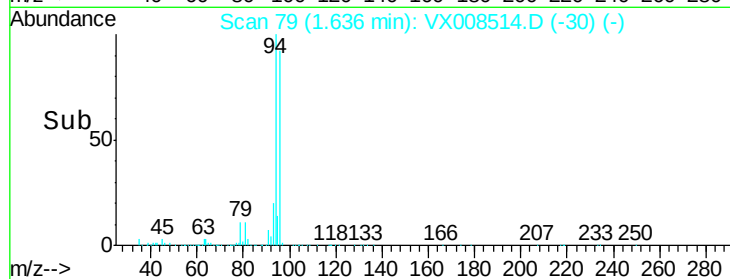
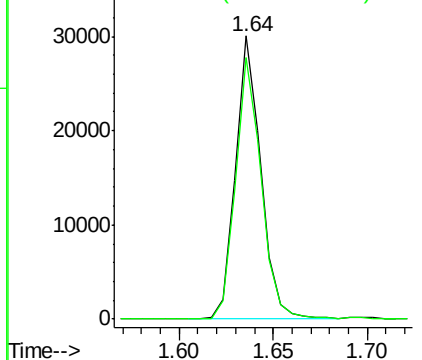
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.220 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008514.D

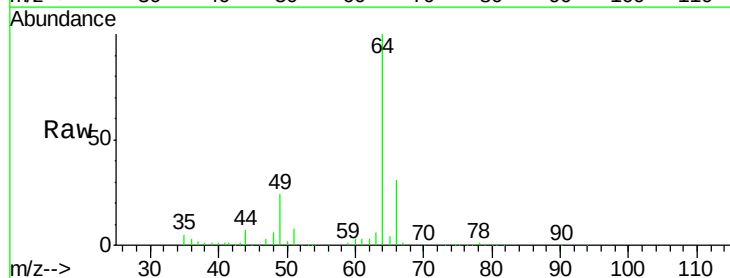
Acq: 28 Mar 2019 13:07

Tgt Ion: 64 Resp: 32736

Ion Ratio Lower Upper

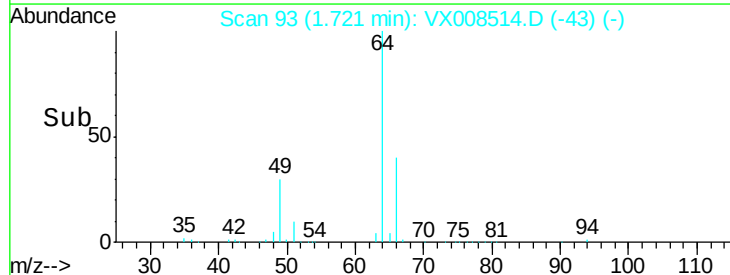
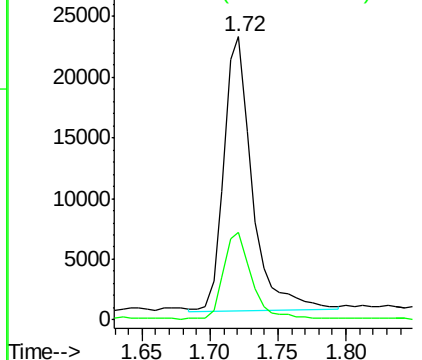
64 100

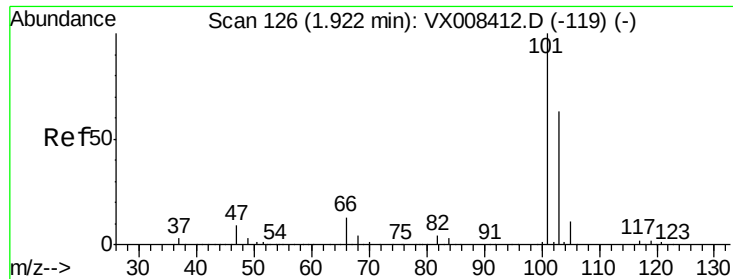
66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

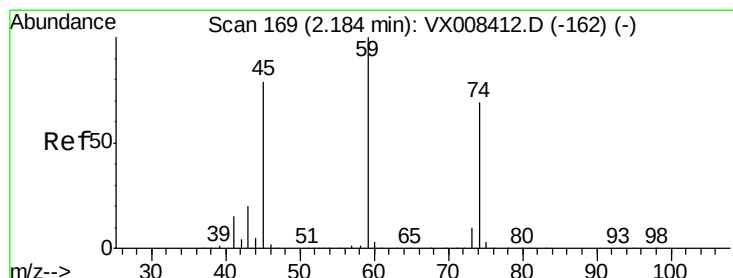
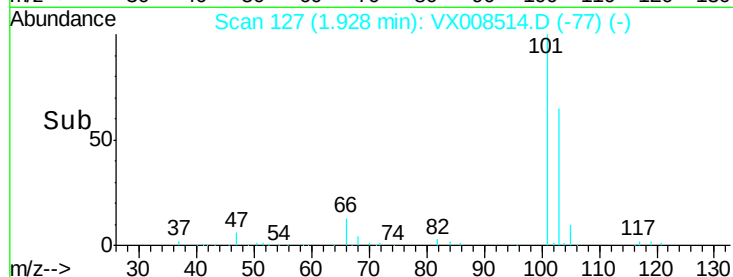
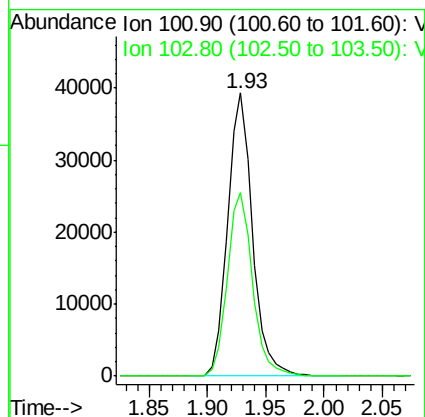
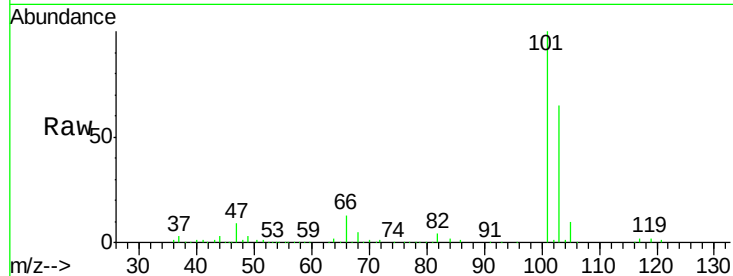
Trichlorofluoromethane
Concen: 16.934 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion:101 Resp: 58169
Ion Ratio Lower Upper
101 100
103 65.0 50.2 75.4

Manual Integrations
APPROVED

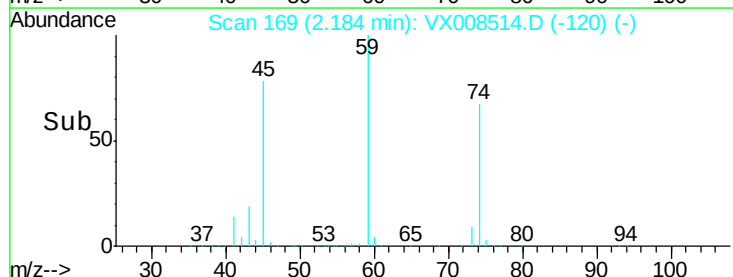
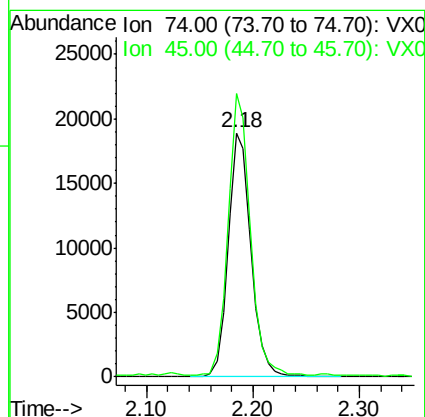
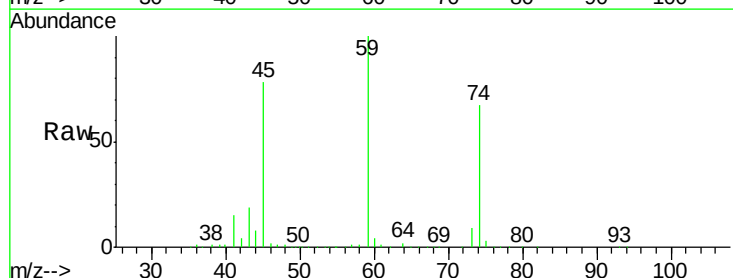
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3/29/2019 10:51:46 AM

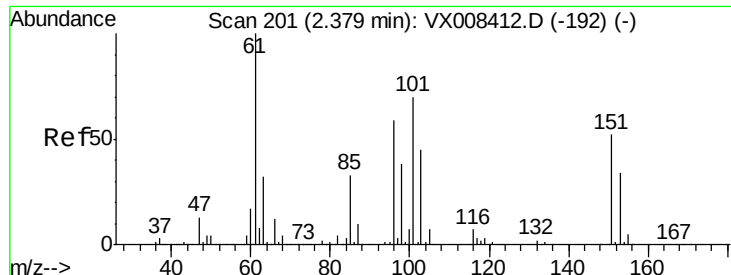


#8

Diethyl Ether
Concen: 17.372 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 74 Resp: 28240
Ion Ratio Lower Upper
74 100
45 111.2 56.4 169.2





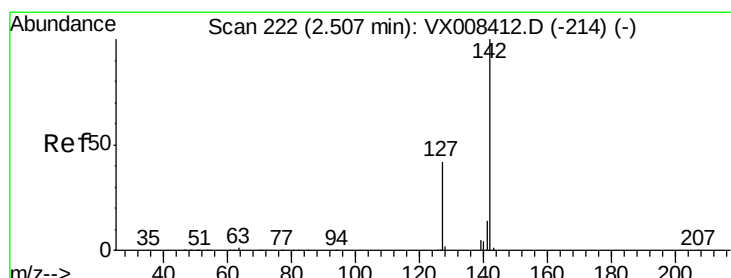
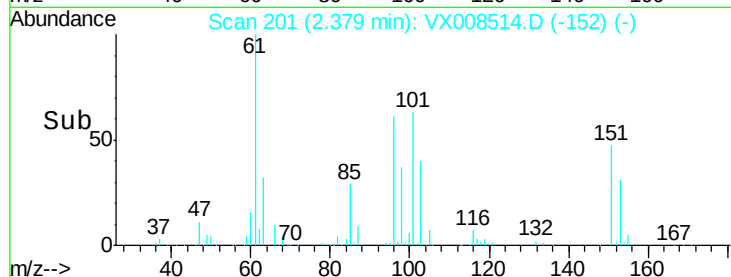
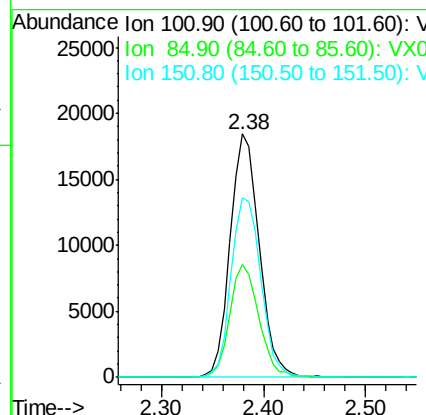
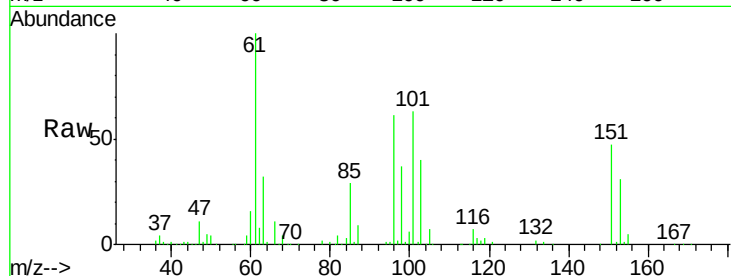
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.580 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	36495		
85	46.2	36.0	54.0	
151	75.4	59.2	88.8	

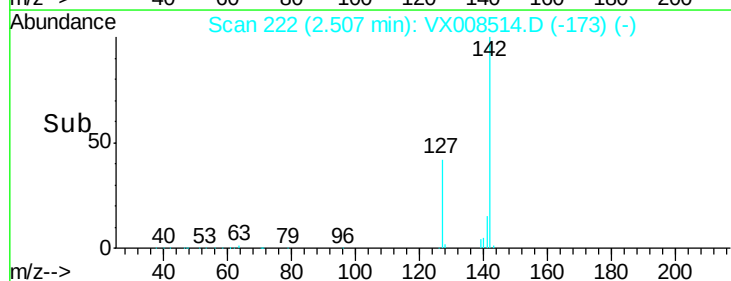
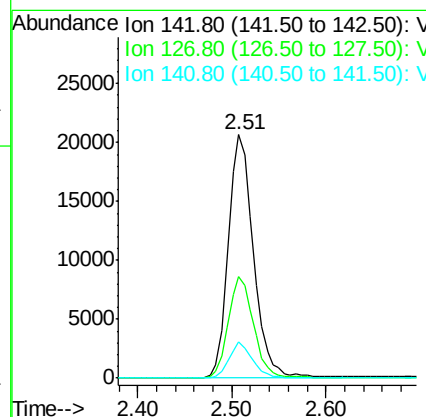
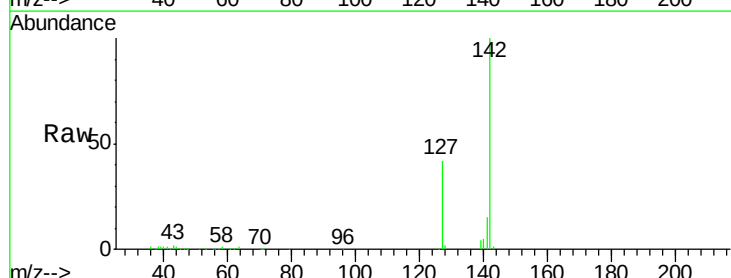
Manual Integrations
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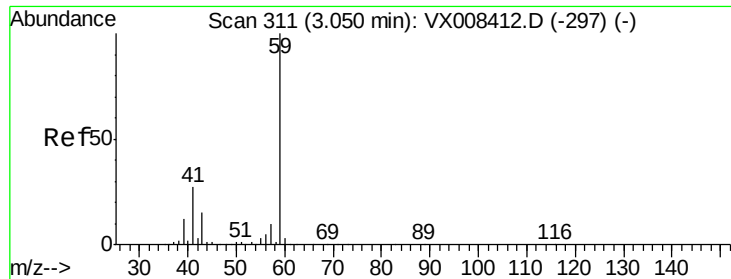
MMDadoda
3/29/2019 10:51:46 AM



#10
Methyl Iodide
Concen: 21.626 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	38524		
127	42.2	33.6	50.4	
141	13.7	11.3	16.9	





#11

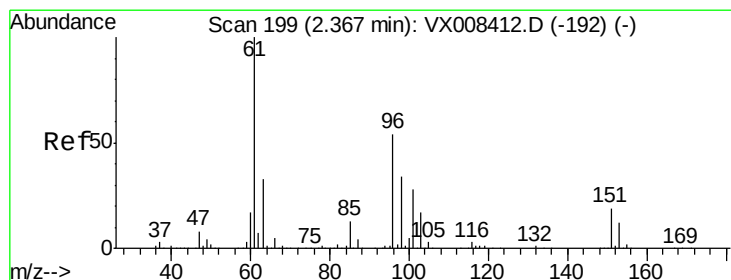
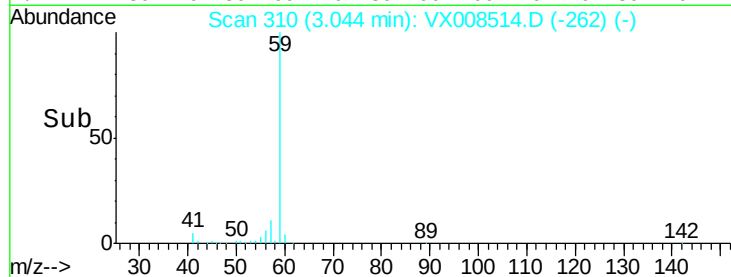
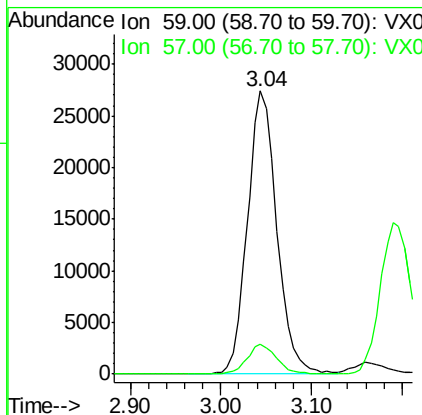
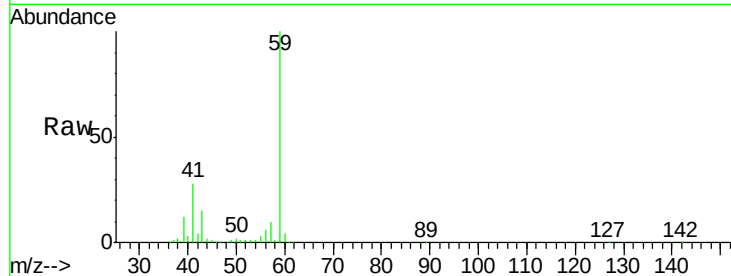
Tert butyl alcohol
 Concen: 99.479 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

Manual Integrations
 APPROVED

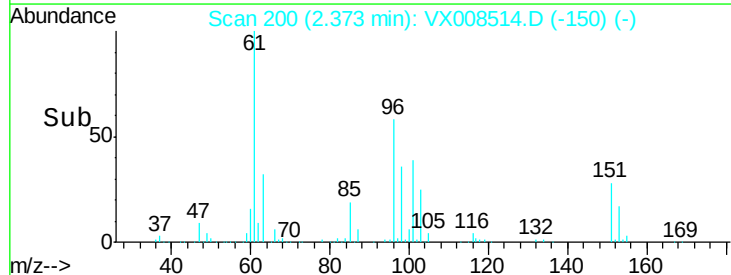
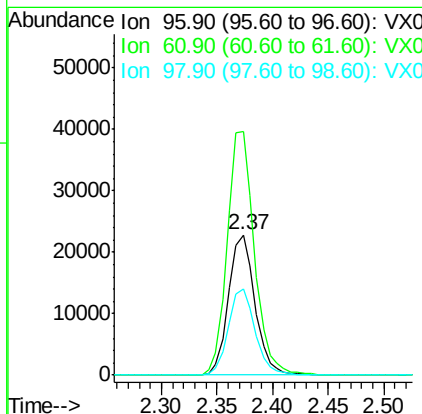
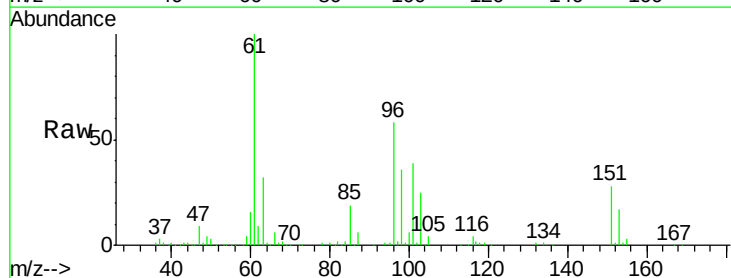
MMDadoda
 3/29/2019 10:51:46 AM

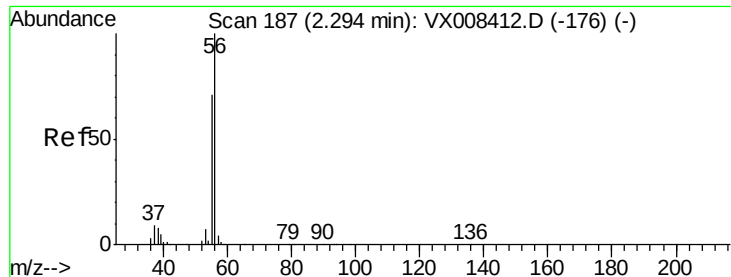


#12

1,1-Dichloroethene
 Concen: 17.600 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.4	146.9	220.3
98	61.9	50.1	75.1





#13

Acrolein

Concen: 79.879 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion: 56 Resp: 35906

Ion Ratio Lower Upper

56 100

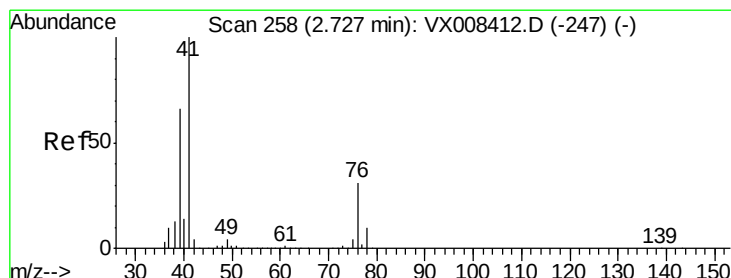
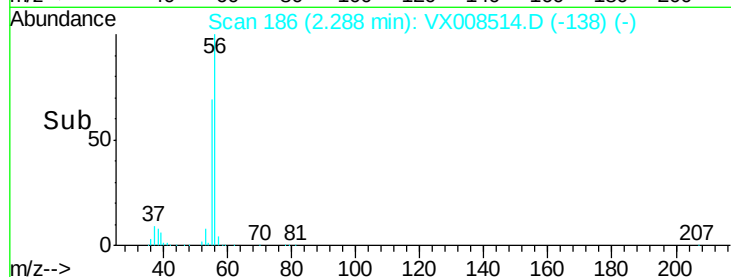
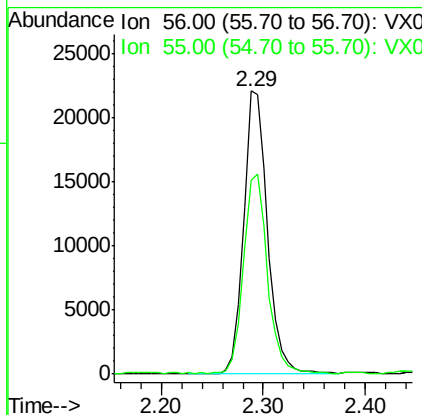
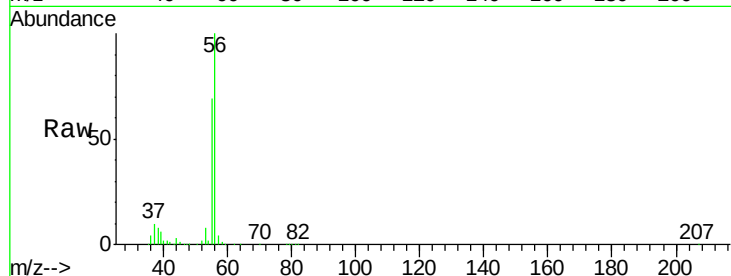
55 70.2 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 18.193 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

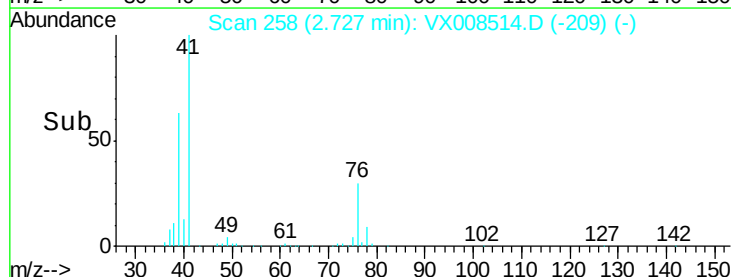
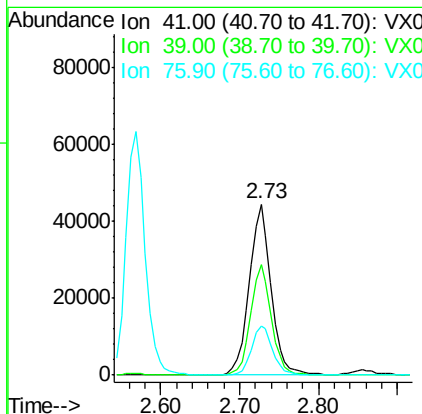
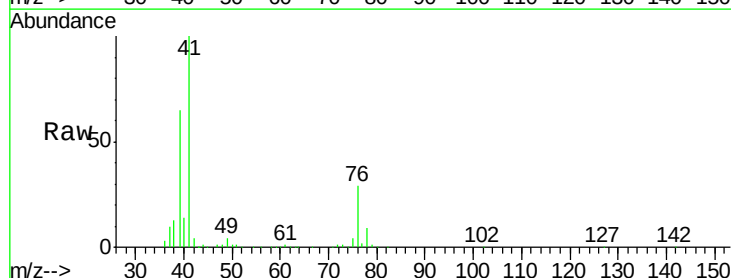
Tgt Ion: 41 Resp: 85933

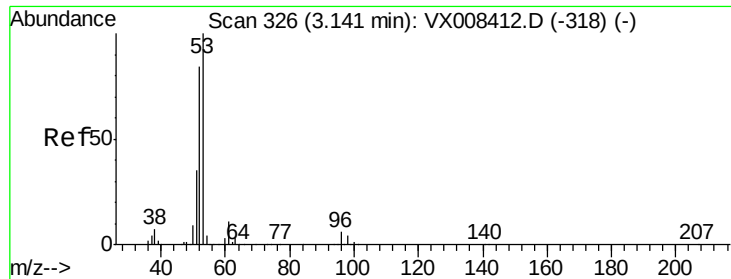
Ion Ratio Lower Upper

41 100

39 60.8 49.6 74.4

76 27.2 22.6 34.0





#15

Acrylonitrile

Concen: 92.666 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

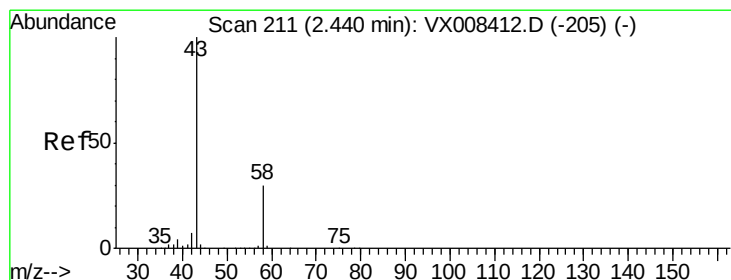
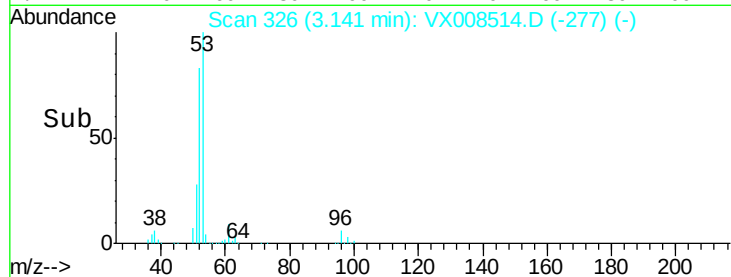
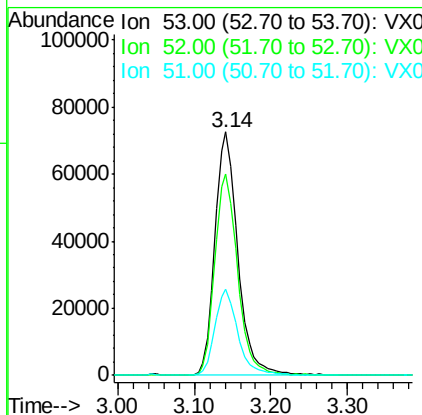
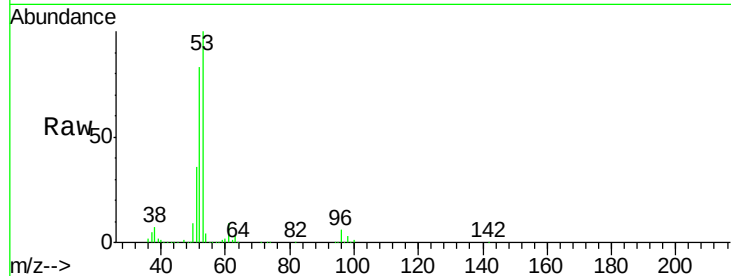
ClientSampleId :

VX0328WBS01

Tot Ion:	53	Resp:	150406
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.5	99.7
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 93.269 ug/l

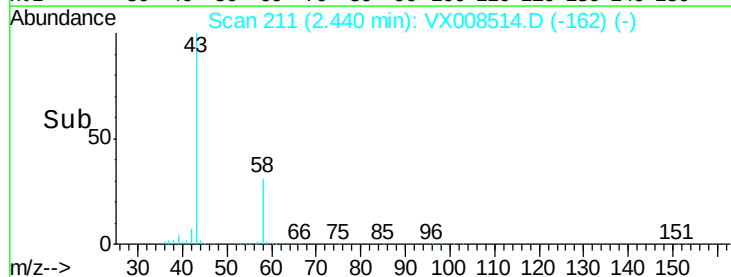
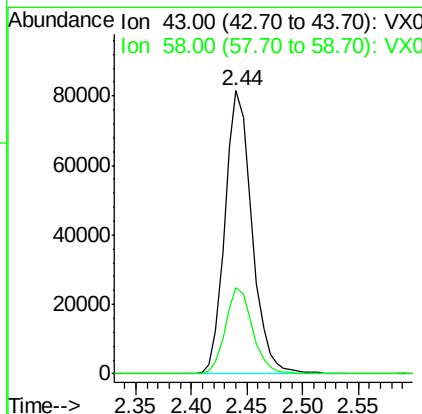
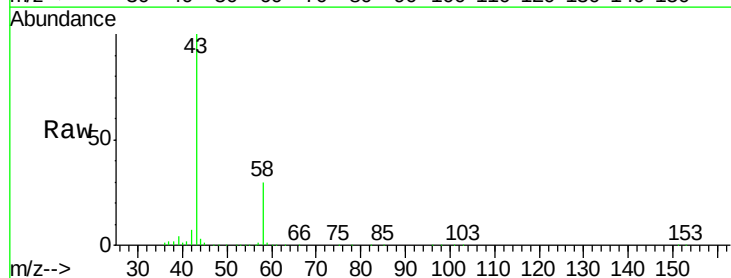
RT: 2.44 min Scan# 211

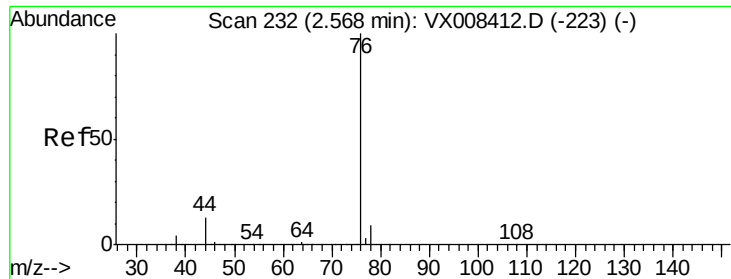
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	43	Resp:	136190
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.2	36.2





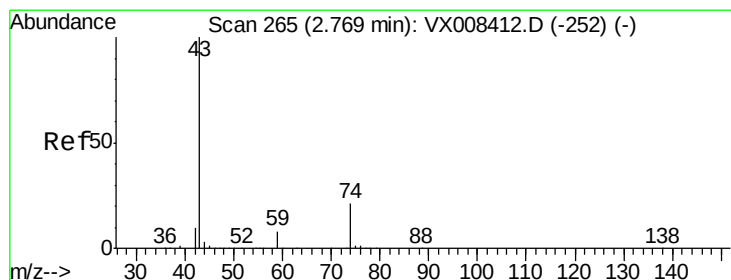
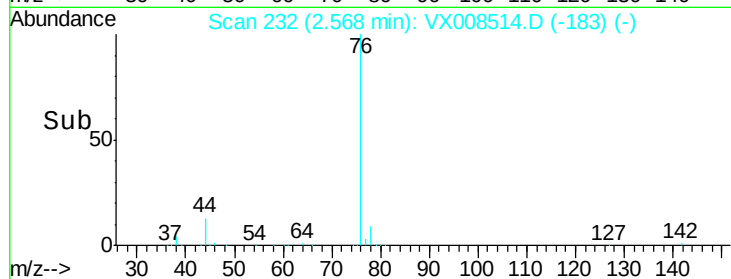
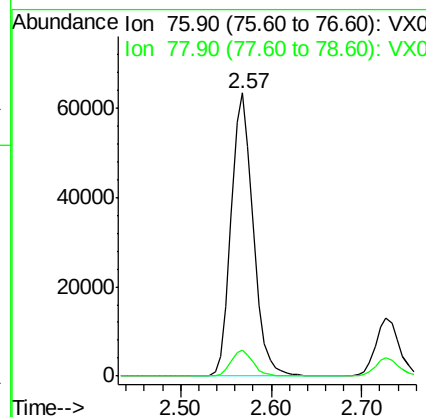
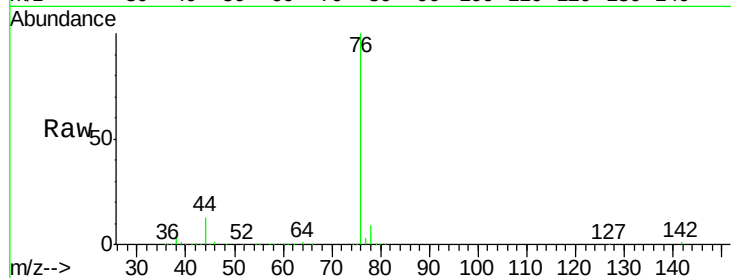
#17
Carbon Disulfide
Concen: 17.139 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	106975		
78	9.3		7.4	11.2

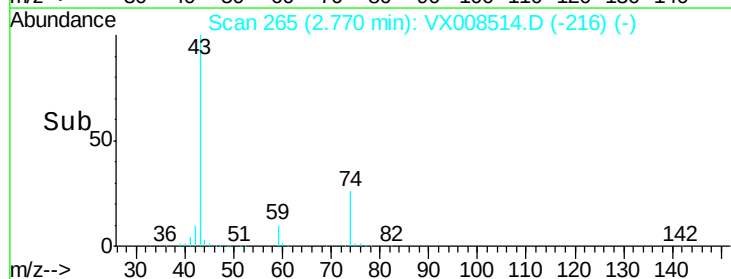
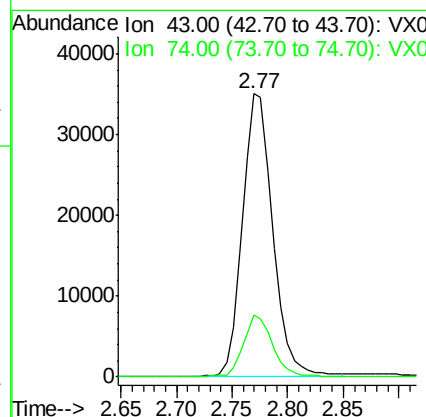
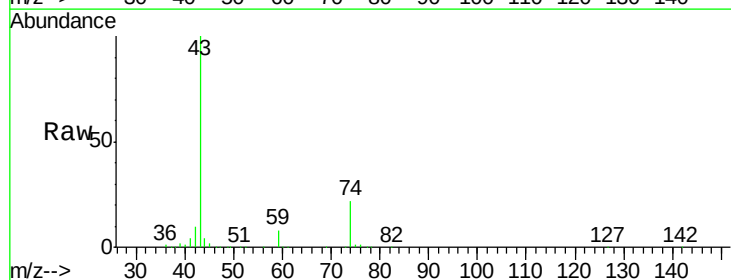
Manual Integrations
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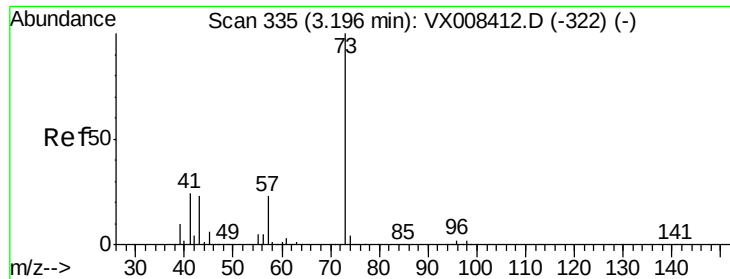
MMDadoda
3/29/2019 10:51:46 AM



#18
Methyl Acetate
Concen: 18.797 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	65919		
74	21.3		16.7	25.1





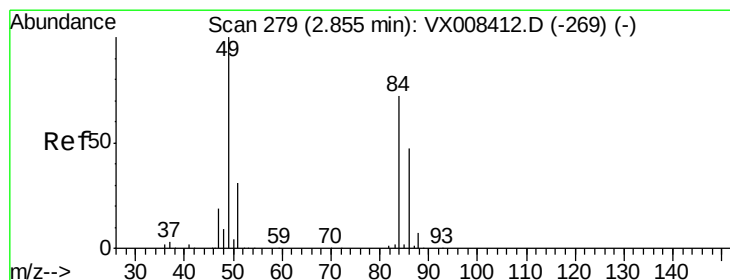
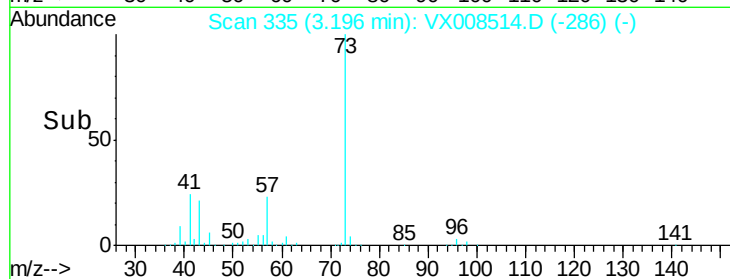
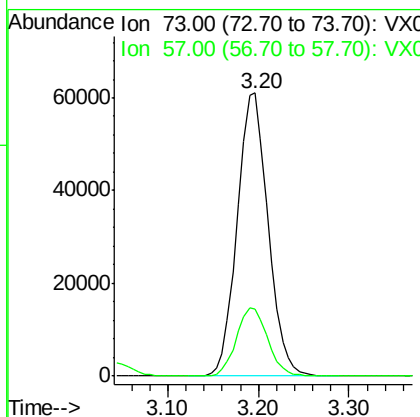
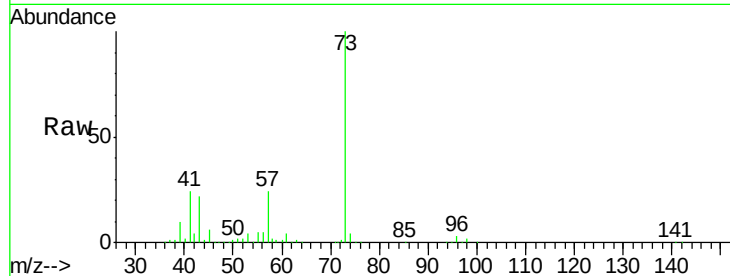
#19
Methvl tert-butyl Ether
Concen: 18.693 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion	73	Resp	144419
Ion Ratio	Lower	Upper	
73	100		
57	23.4	18.6	28.0

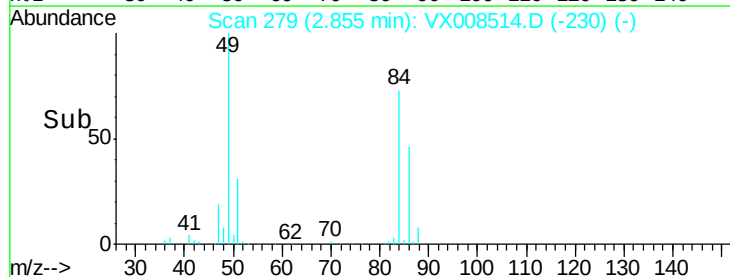
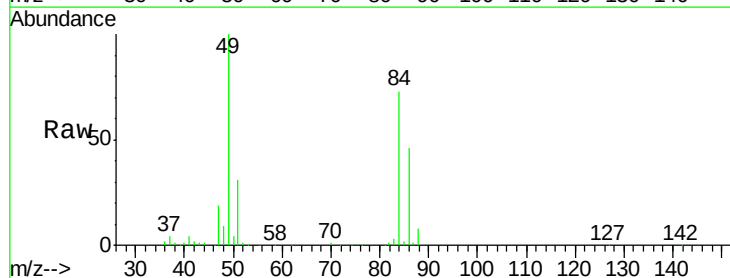
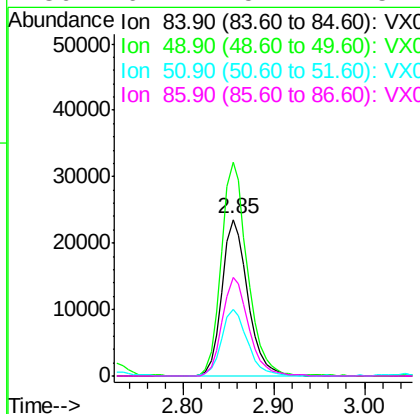
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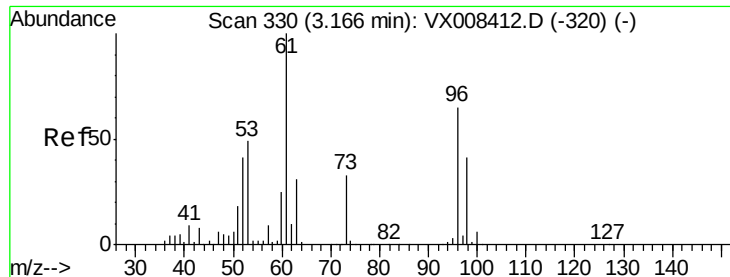
MMDadoda
3/29/2019 10:51:46 AM



#20
Methylene Chloride
Concen: 19.243 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	84	Resp	46796
Ion Ratio	Lower	Upper	
84	100		
49	136.5	110.6	165.8
51	42.0	33.9	50.9
86	62.7	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 18.763 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

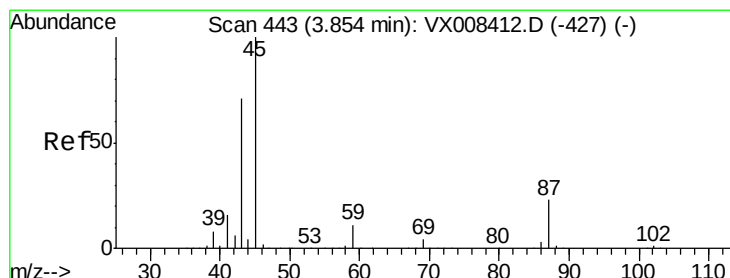
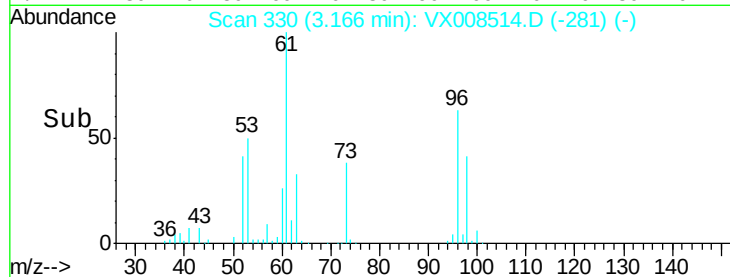
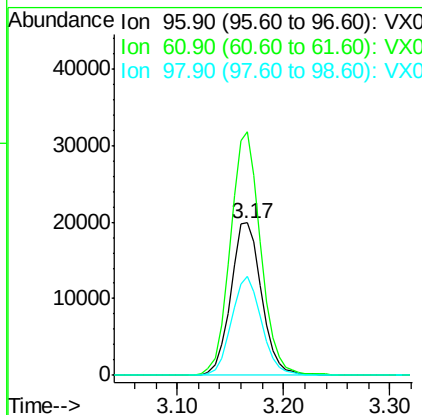
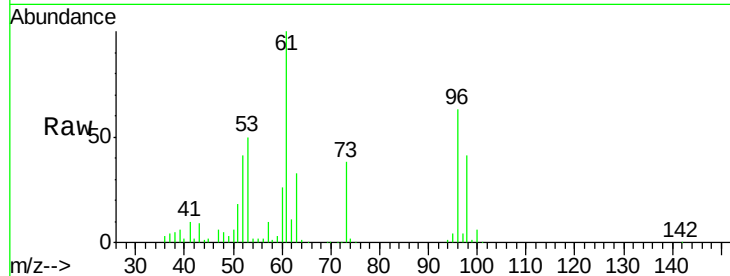
ClientSampleId :

VX0328WBS01

Tot Ion:	96	Resp:	40446
Ion	Ratio	Lower	Upper
96	100		
61	159.8	122.6	184.0
98	65.2	50.9	76.3

Manual Integrations
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3/29/2019 10:51:46 AM



#22

Diisopropyl ether

Concen: 18.518 ug/l

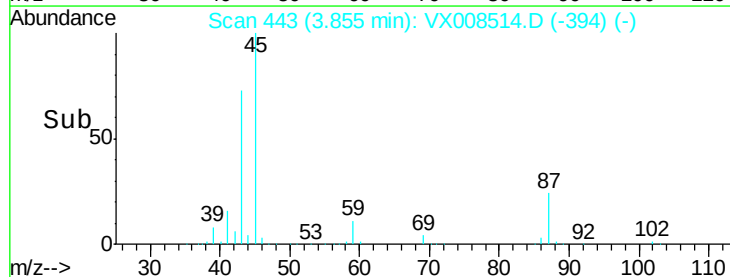
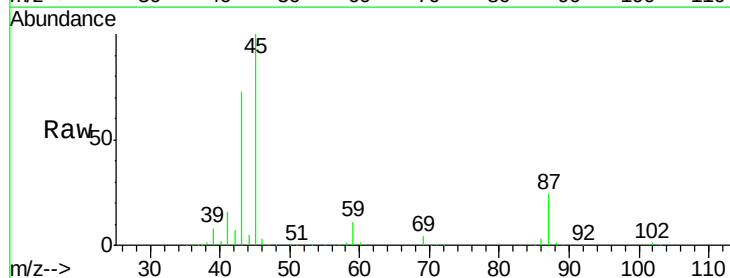
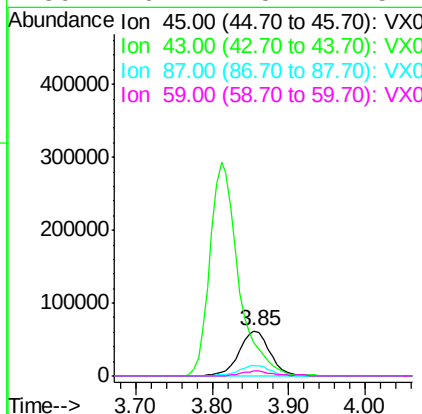
RT: 3.85 min Scan# 443

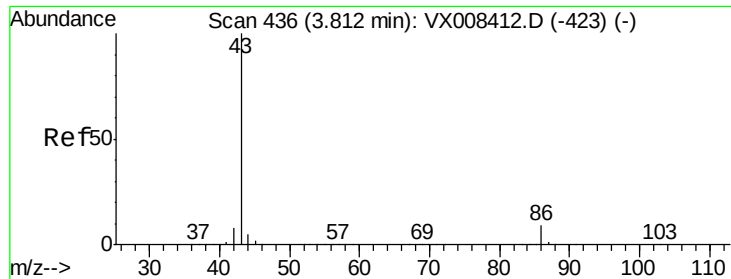
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	45	Resp:	172223
Ion	Ratio	Lower	Upper
45	100		
43	72.1	57.1	85.7
87	23.6	18.8	28.2
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 93.976 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion: 43 Resp: 762532

Ion Ratio Lower Upper

43 100

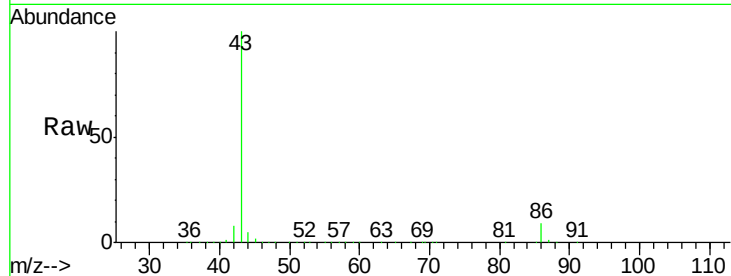
86 8.7 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

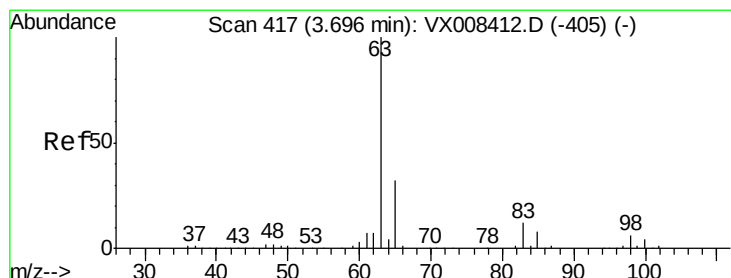
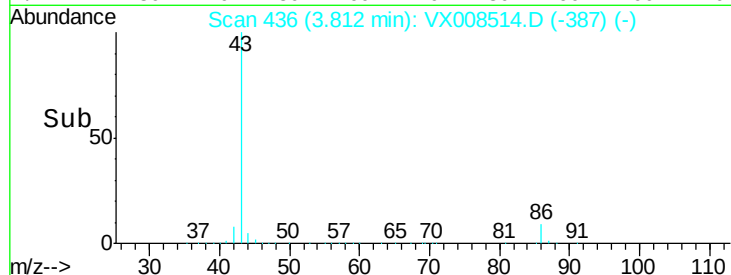
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.350 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

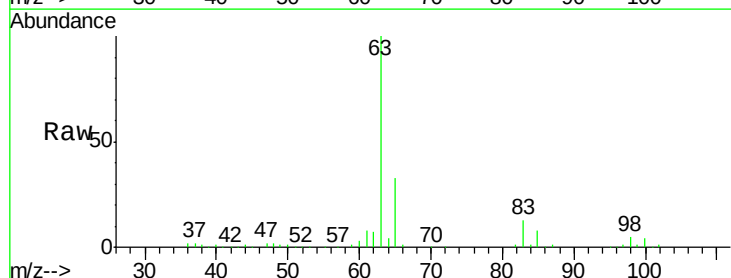
Tgt Ion: 63 Resp: 86160

Ion Ratio Lower Upper

63 100

98 5.4 3.2 9.6

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

40000

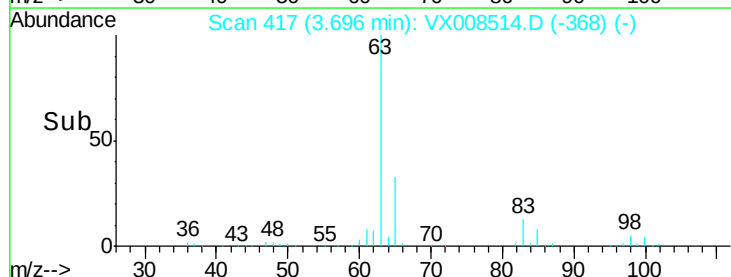
30000

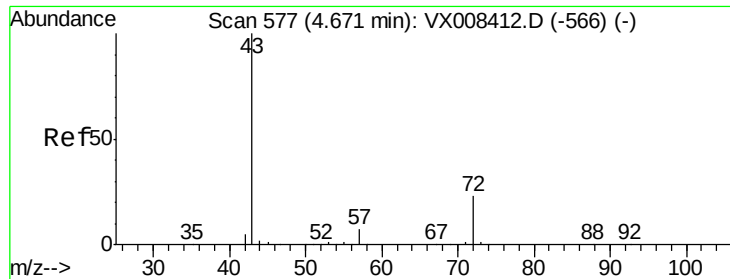
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.937 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion: 43 Resp: 222242

Ion Ratio Lower Upper

43 100

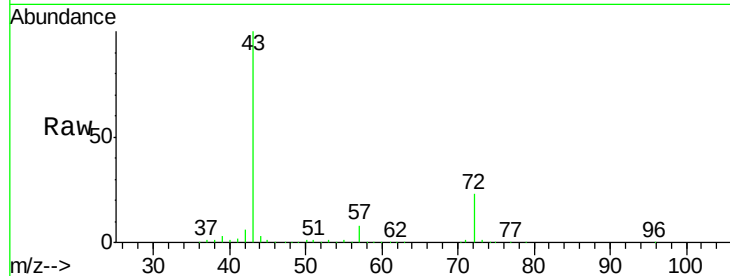
72 22.7 18.6 28.0

Manual Integrations

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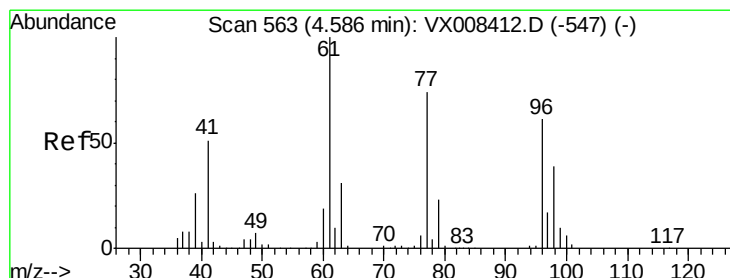
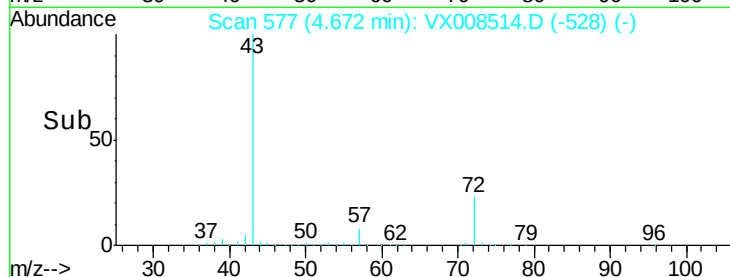
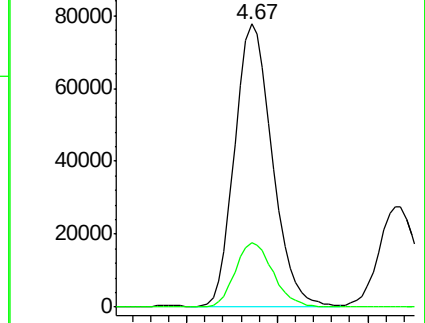
MMDadoda

3/29/2019 10:51:46 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: 18.214 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008514.D

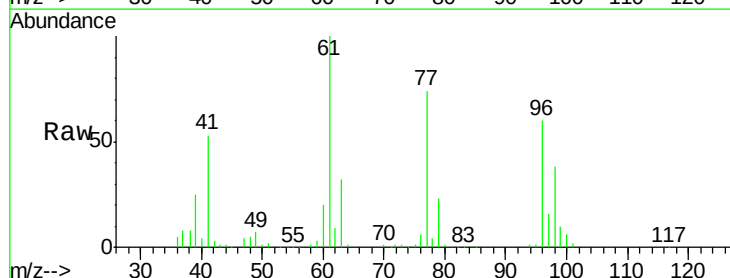
Acq: 28 Mar 2019 13:07

Tgt Ion: 77 Resp: 56883

Ion Ratio Lower Upper

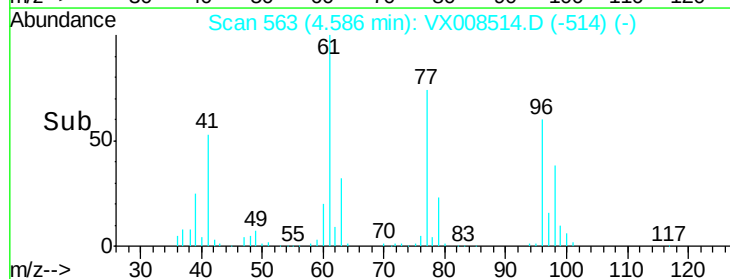
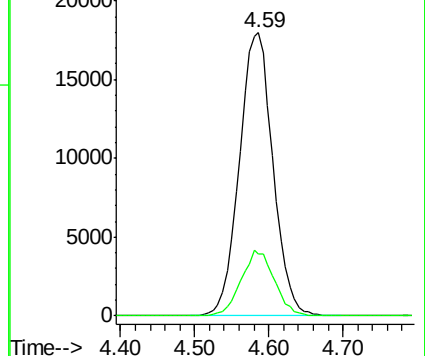
77 100

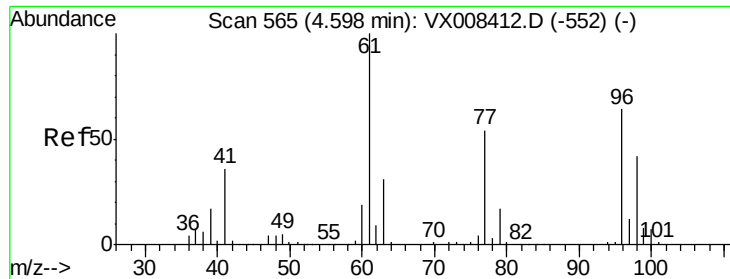
97 22.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

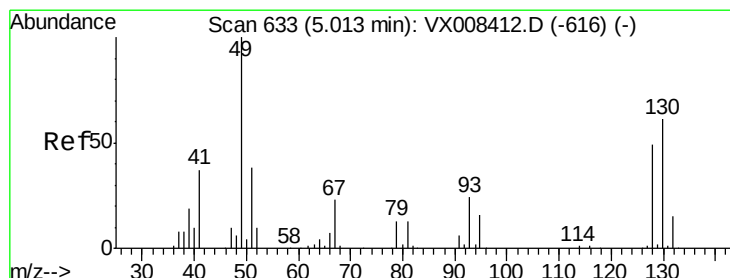
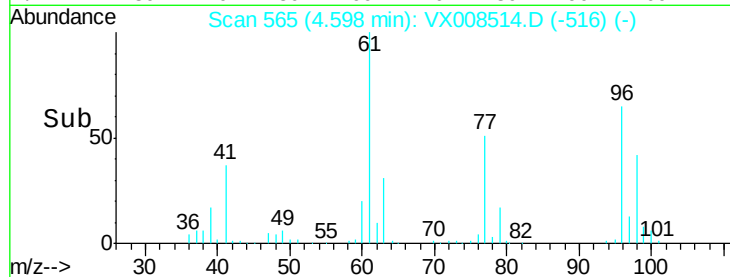
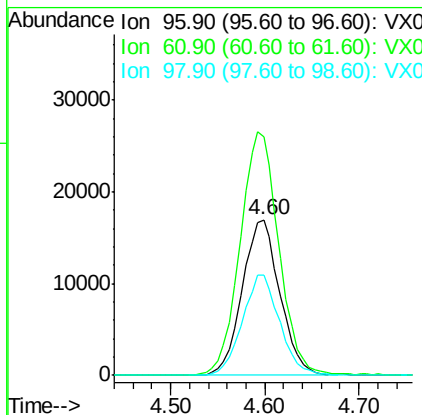
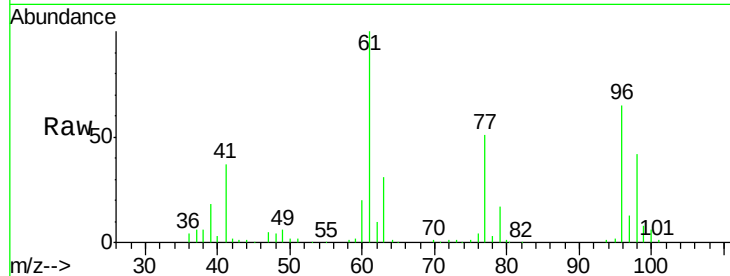
cis-1,2-Dichloroethene
 Concen: 18.132 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	47536		
61	161.0	0.0	325.6	
98	63.9	0.0	130.0	

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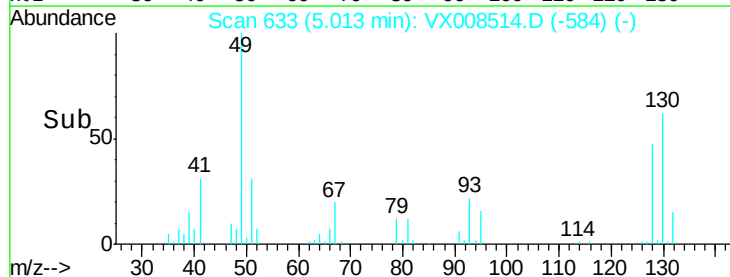
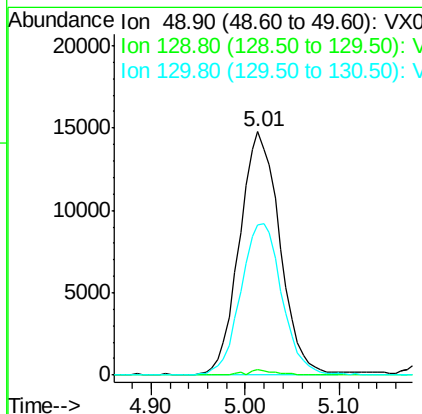
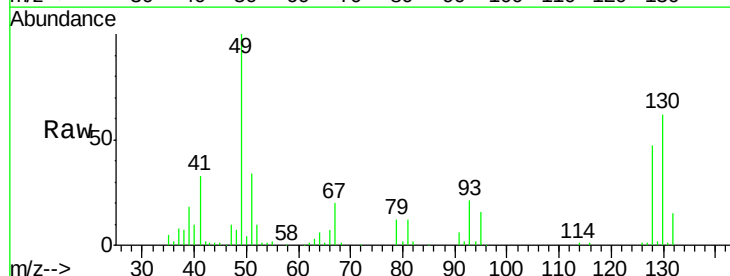
MMDadoda
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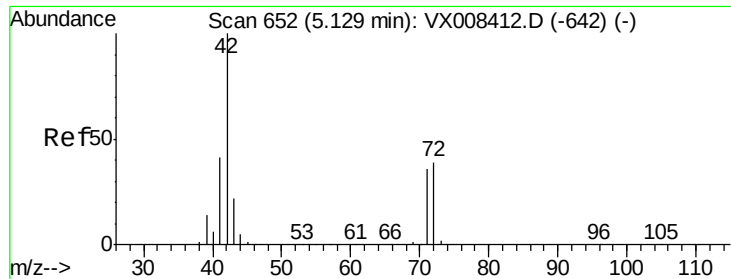


#28

Bromochloromethane
 Concen: 19.057 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44208		
129	1.6	0.0	3.4	
130	63.4	49.8	74.6	





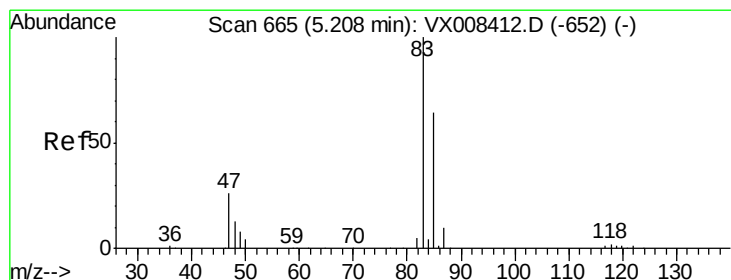
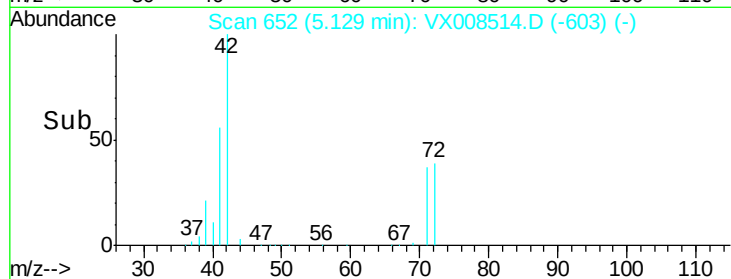
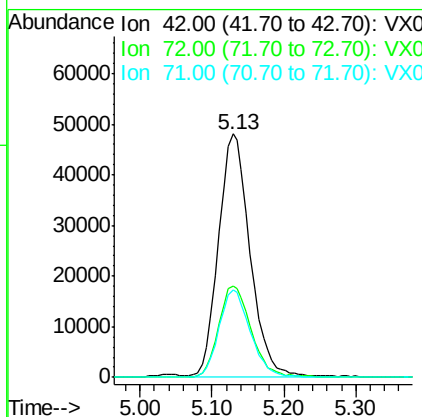
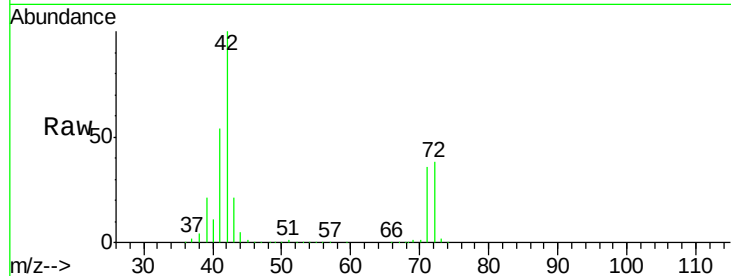
#29
Tetrahydrofuran
Concen: 93.980 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.2
71	36.1	29.4	44.2

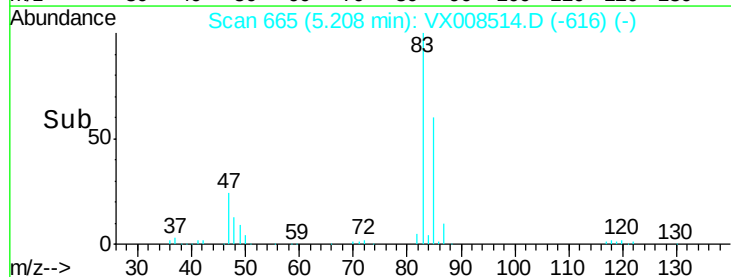
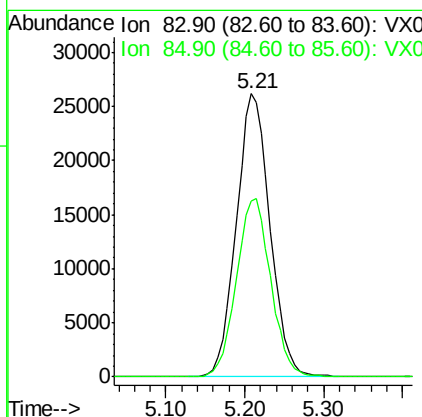
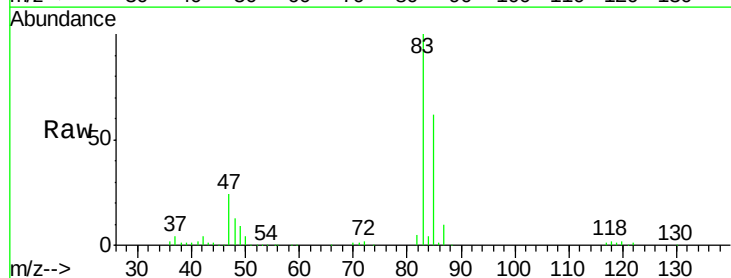
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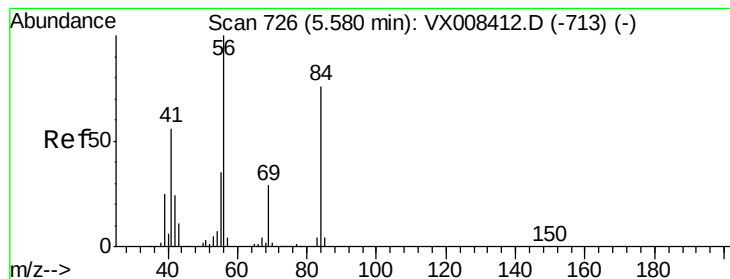
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#30
Chloroform
Concen: 18.319 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.4	77.2





#31

Cyclohexane

Concen: 18.088 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

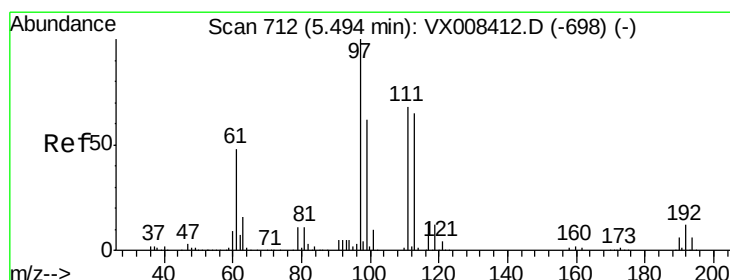
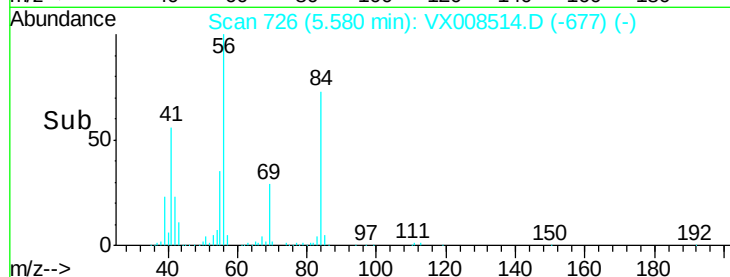
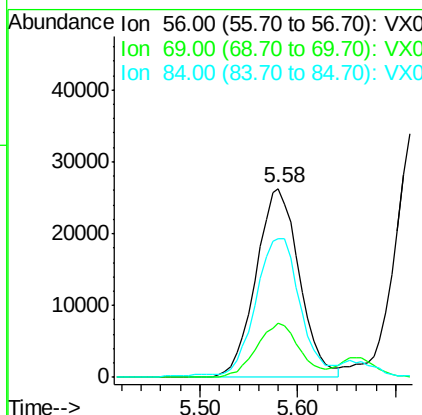
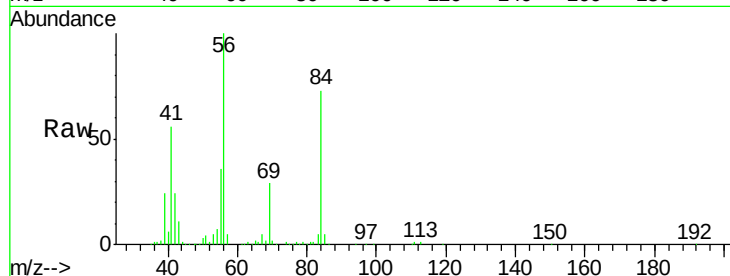
ClientSampleId :

VX0328WBS01

Tot Ion:	56	Resp:	81000
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.2	34.8
84	72.2	60.7	91.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.136 ug/l

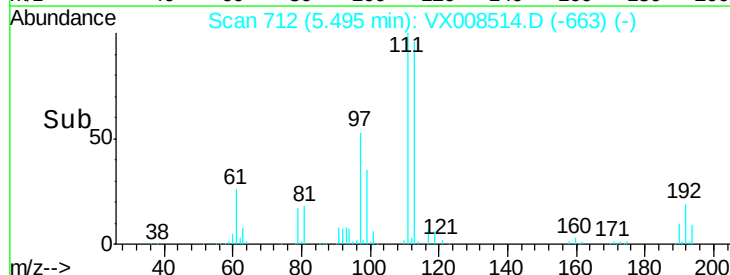
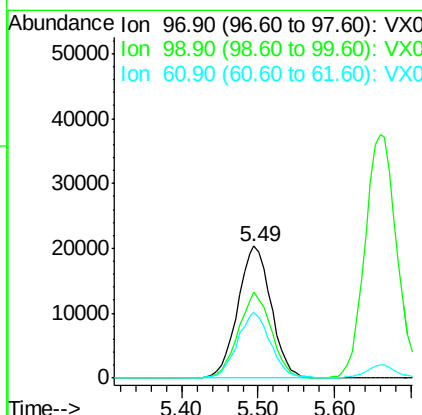
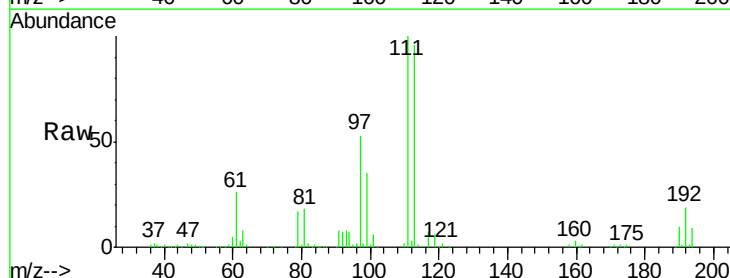
RT: 5.49 min Scan# 712

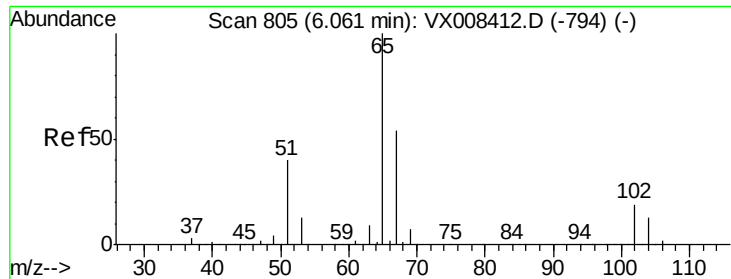
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	97	Resp:	61429
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	49.7	38.8	58.2





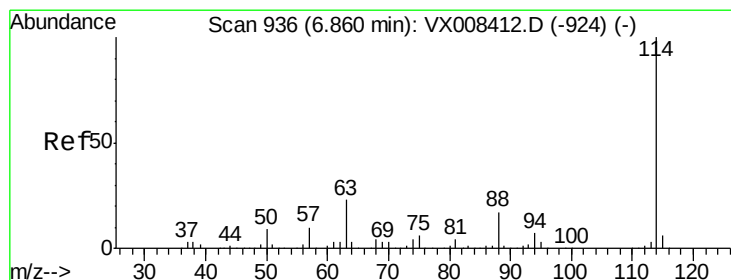
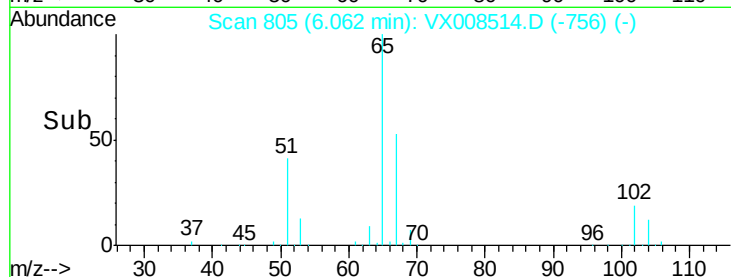
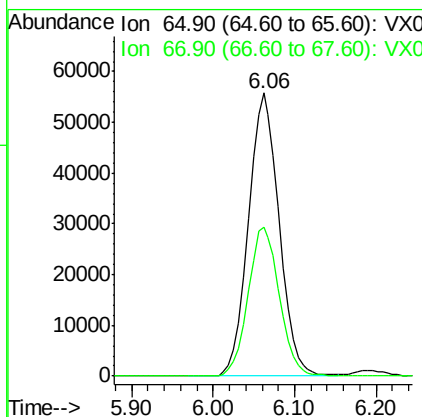
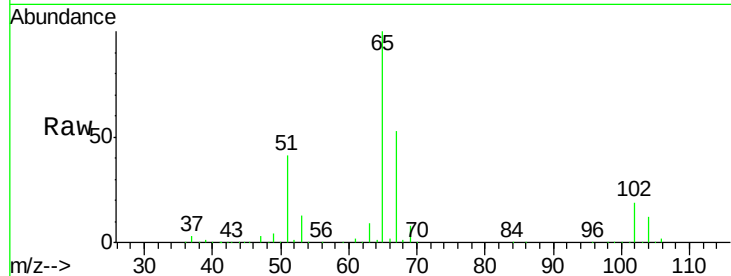
#33
 1,2-Dichloroethane-d4
 Concen: 52.328 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146194		
67	53.7	0.0	109.4	

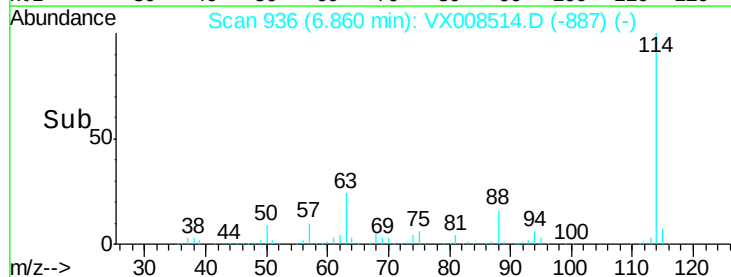
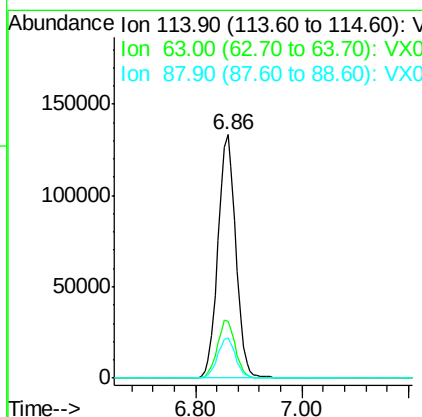
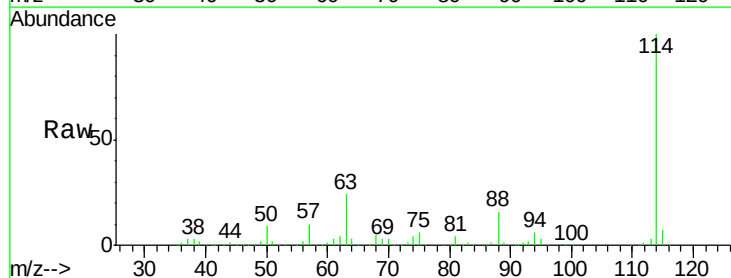
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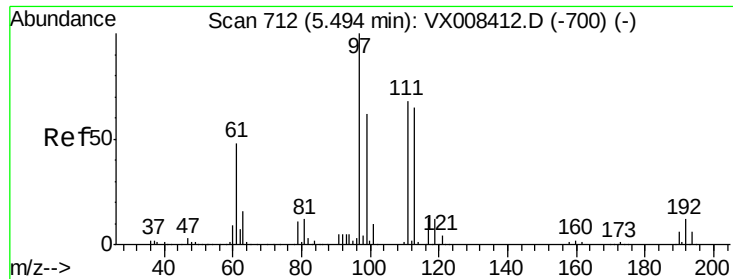
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	314787		
63	23.5	0.0	46.4	
88	16.2	0.0	33.2	





#35

Dibromofluoromethane

Concen: 52.114 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

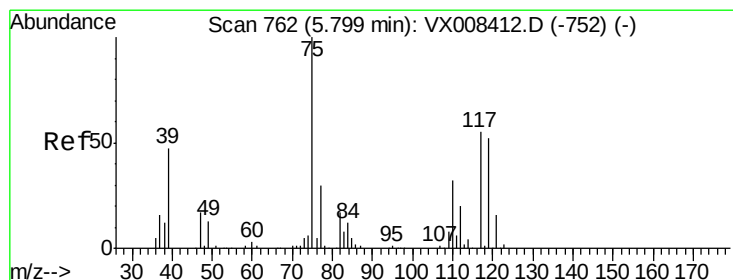
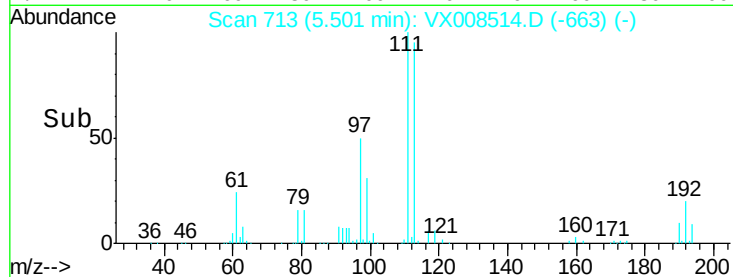
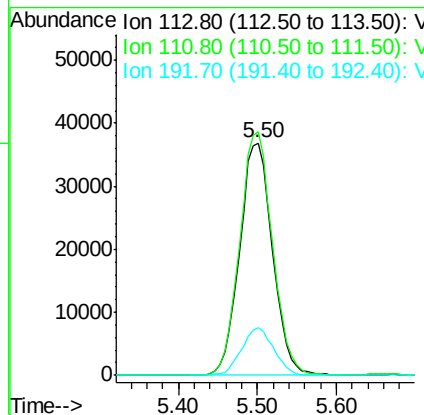
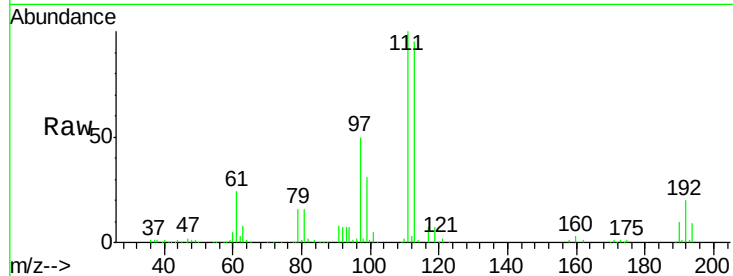
ClientSampleId :

VX0328WBS01

Tot Ion:	113	Resp:	106966
Ion Ratio	Lower	Upper	
113	100		
111	104.7	83.0	124.4
192	20.2	15.6	23.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.502 ug/l

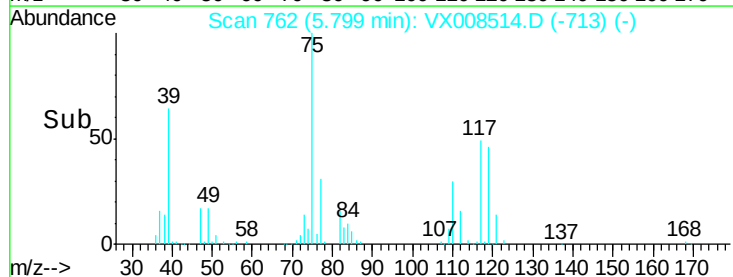
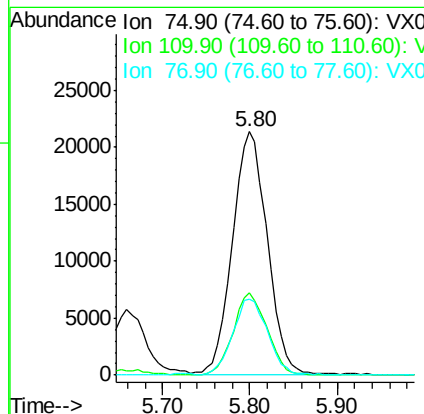
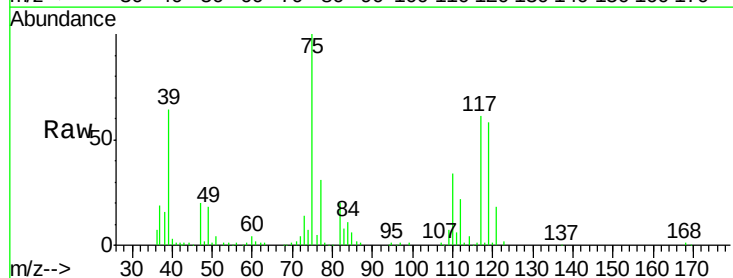
RT: 5.80 min Scan# 762

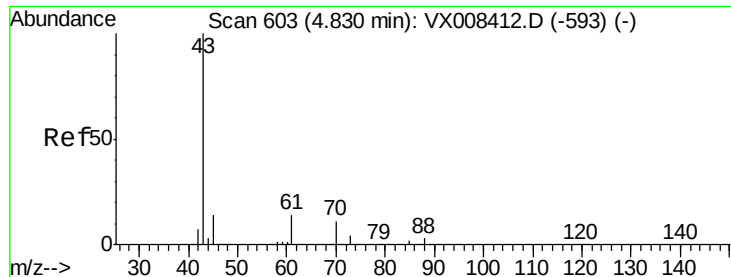
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	75	Resp:	58744
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.6	49.7
77	31.8	24.2	36.2





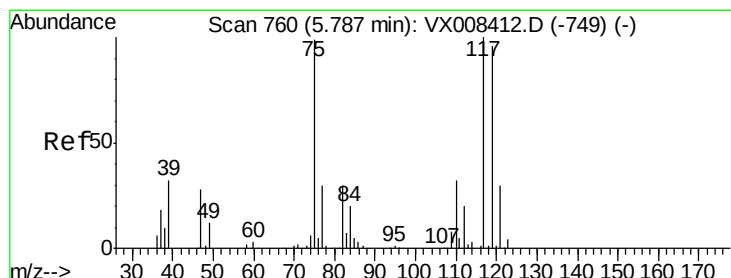
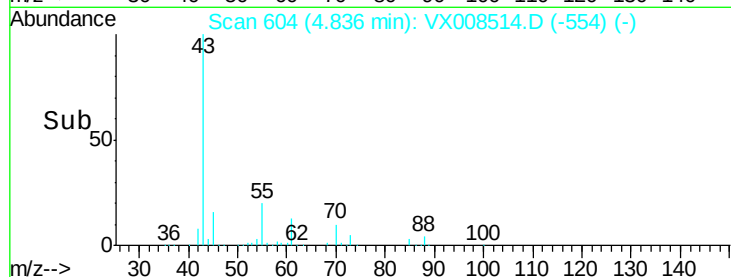
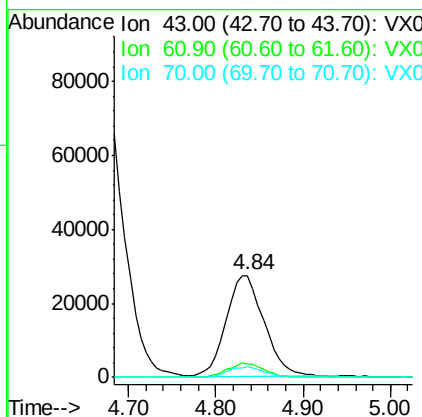
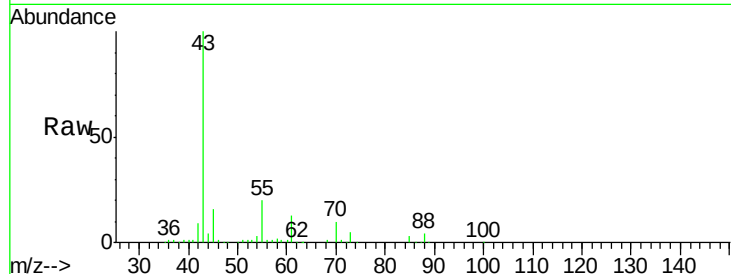
#37
Ethyl Acetate
Concen: 18.948 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion	43	Resp	82389
Ion Ratio	100	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	10.0	7.8	11.8

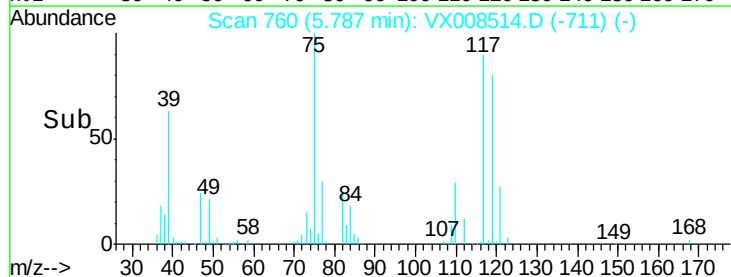
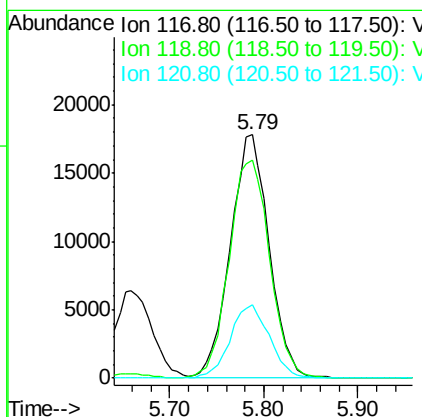
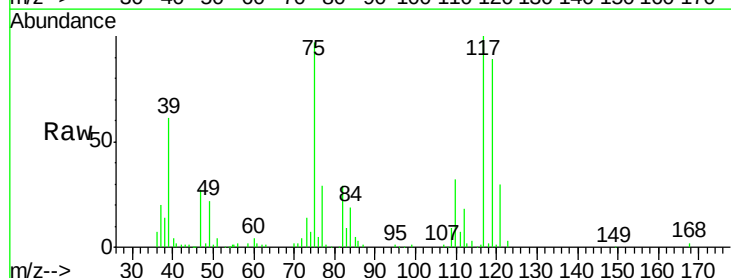
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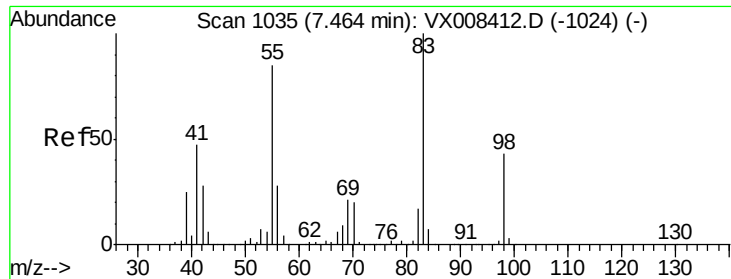
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#38
Carbon Tetrachloride
Concen: 18.237 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	117	Resp	51082
Ion Ratio	100	Lower	Upper
117	100		
119	89.4	76.7	115.1
121	30.1	24.3	36.5





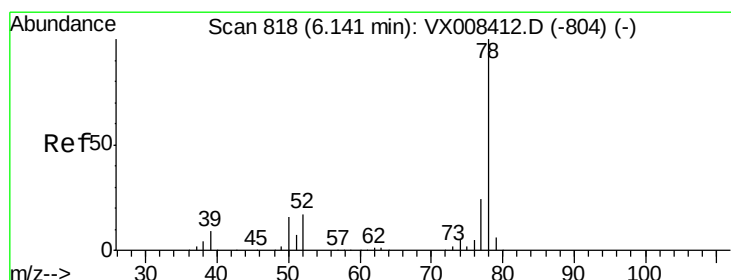
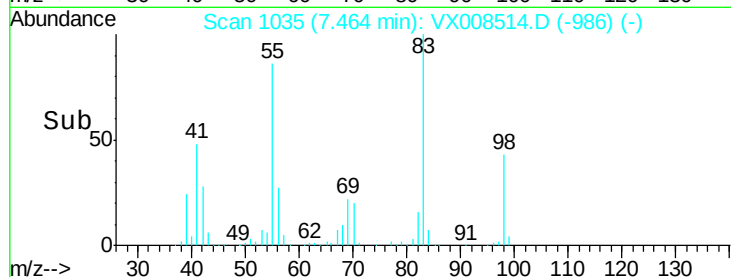
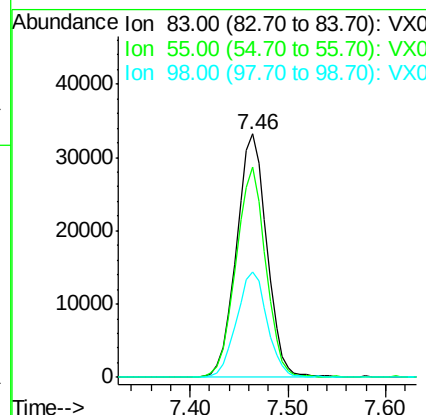
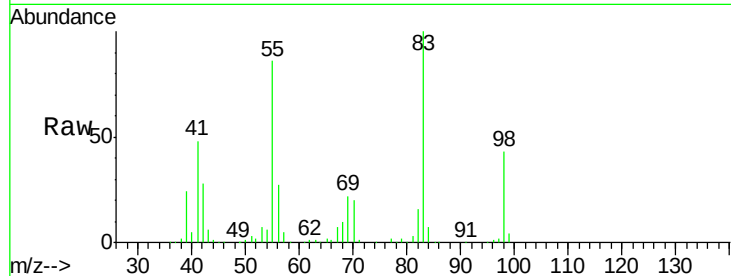
#39
Methylvlcyclohexane
Concen: 17.828 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion	83	Resp	71508
Ion Ratio	Lower	Upper	
83	100		
55	86.3	68.2	102.4
98	43.1	34.2	51.4

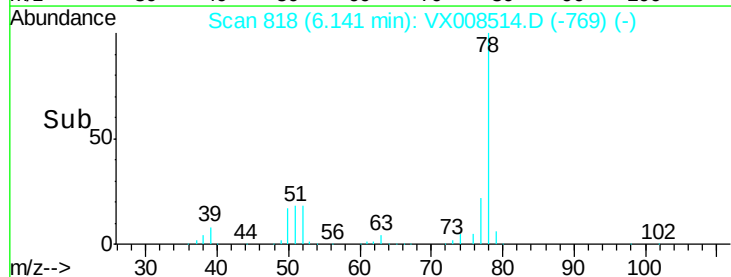
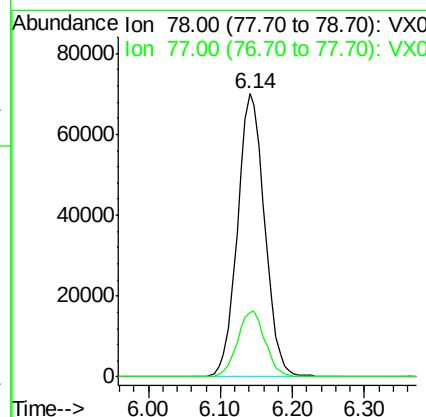
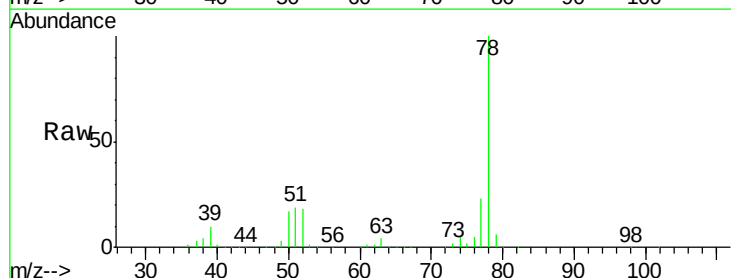
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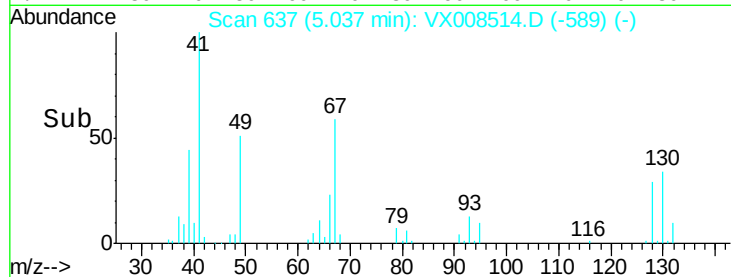
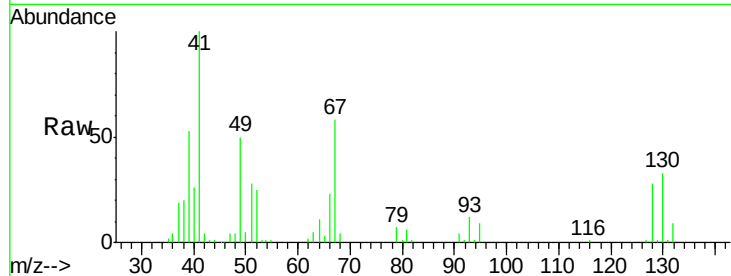
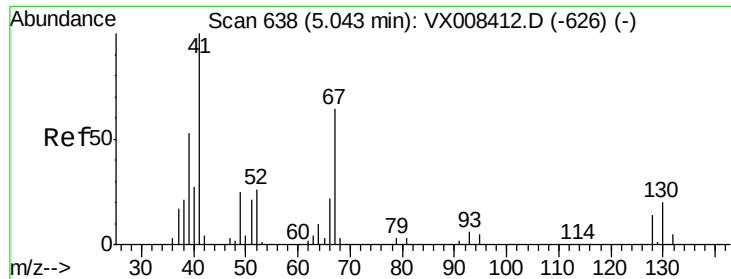
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#40
Benzene
Concen: 18.267 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	78	Resp	183551
Ion Ratio	Lower	Upper	
78	100		
77	22.8	19.3	28.9





#41

Methacrylonitrile

Concen: 19.085 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		46633		
39	53.3	42.6	64.0		
67	65.1	52.2	78.4		
52	26.8	21.4	32.0		

Instrument :

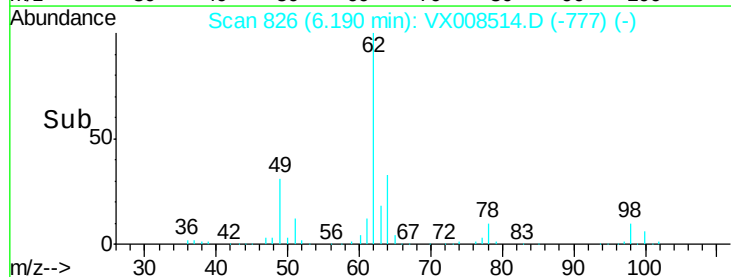
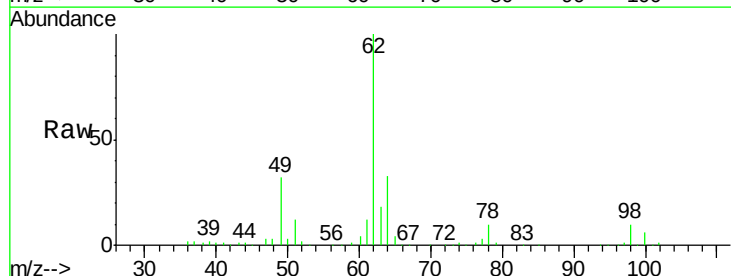
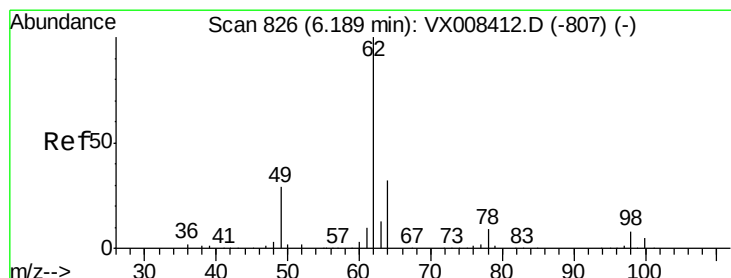
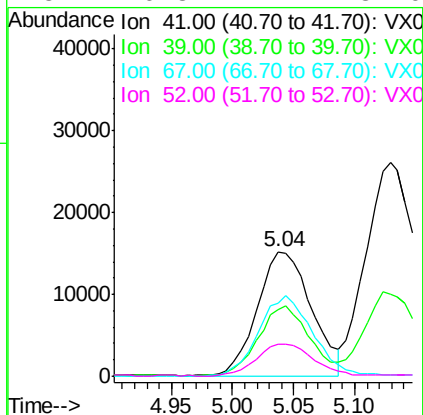
MSVOA_X

ClientSampleId :

VX0328WBS01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.025 ug/l

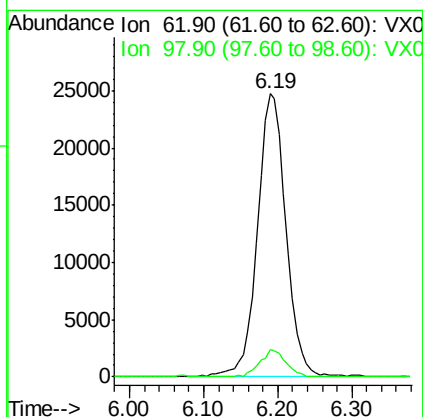
RT: 6.19 min Scan# 826

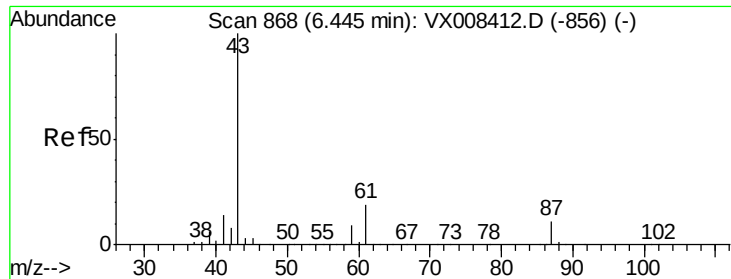
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		66313		
98	8.9	0.0	17.6		





#43

Isopropyl Acetate

Concen: 18.683 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

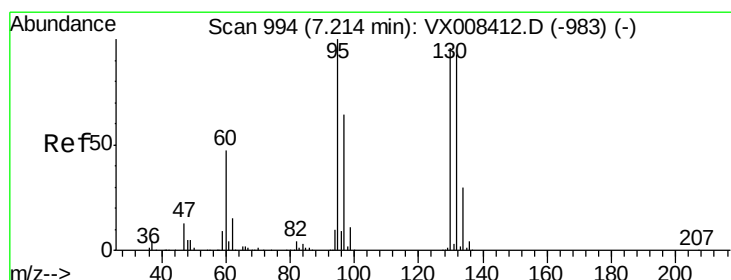
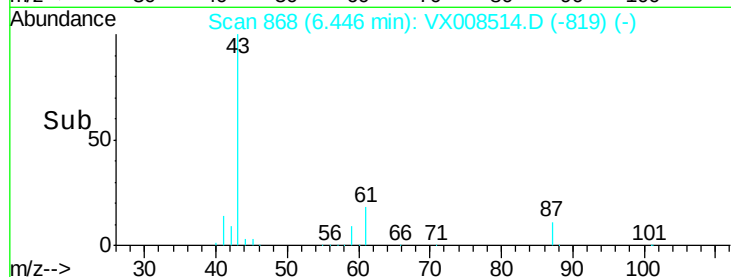
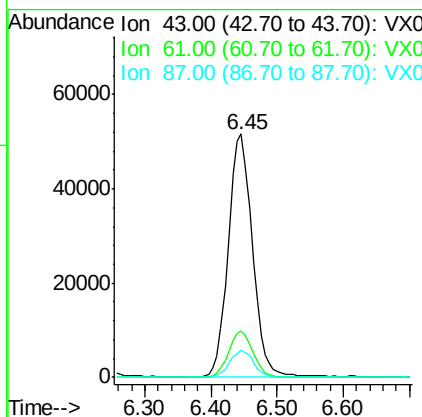
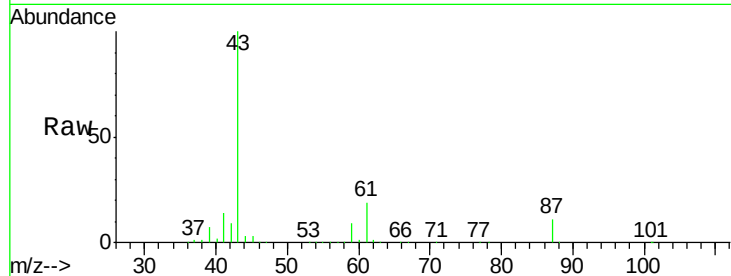
ClientSampleId :

VX0328WBS01

Tot Ion:	43	Resp:	129935
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.2
87	11.3	9.1	13.7

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#44

Trichloroethene

Concen: 17.770 ug/l

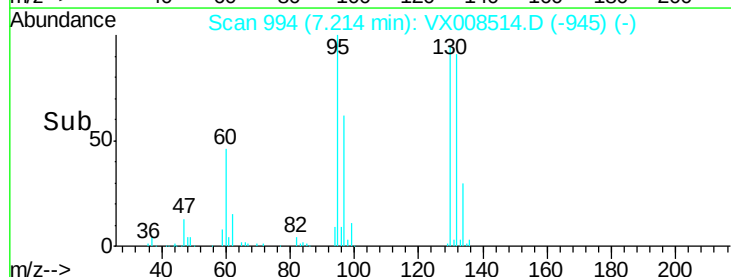
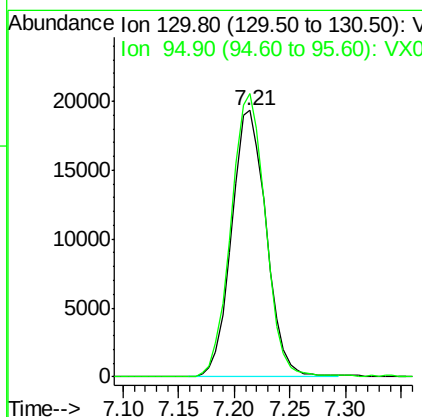
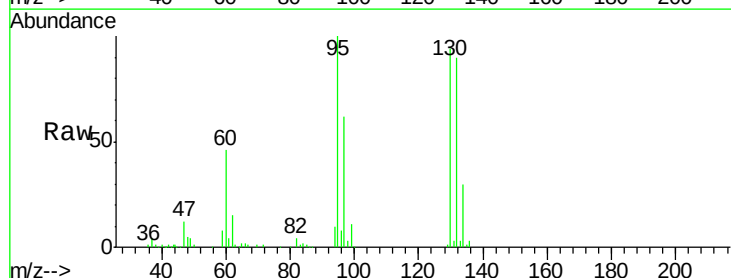
RT: 7.21 min Scan# 994

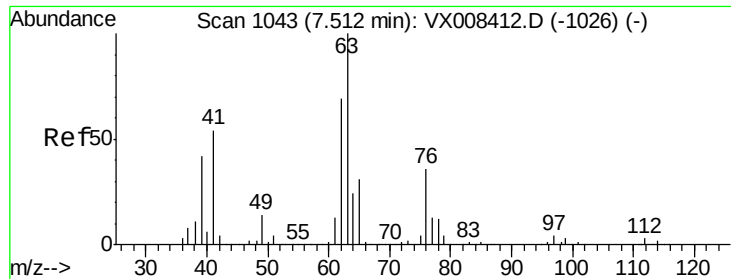
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	130	Resp:	41924
Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	208.8





#45

1,2-Dichloropropane

Concen: 18.482 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion: 63 Resp: 52785

Ion Ratio Lower Upper

63 100

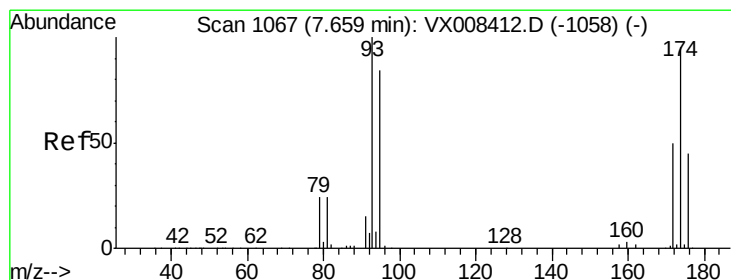
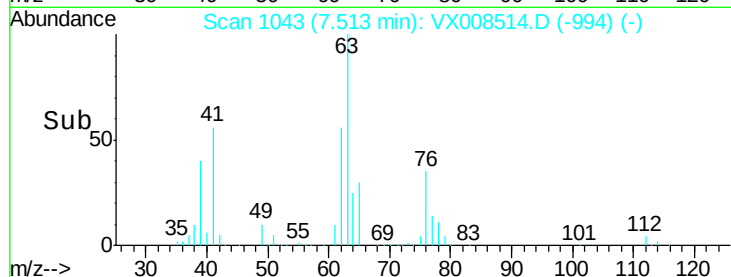
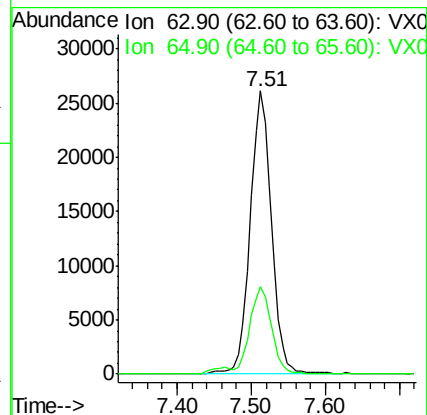
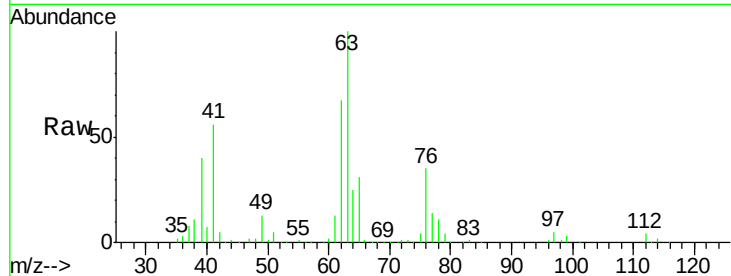
65 31.0 25.1 37.7

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#46

Dibromomethane

Concen: 18.106 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

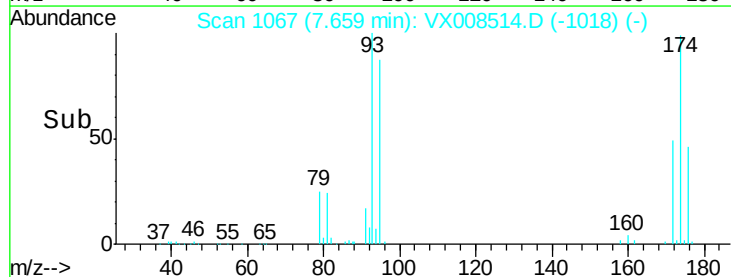
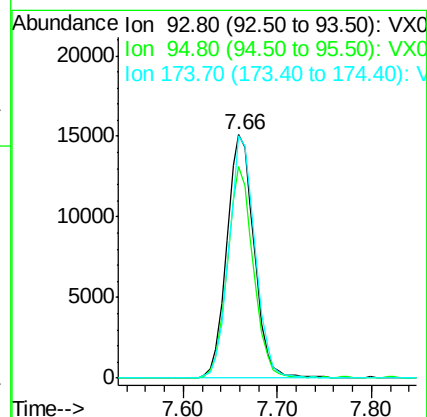
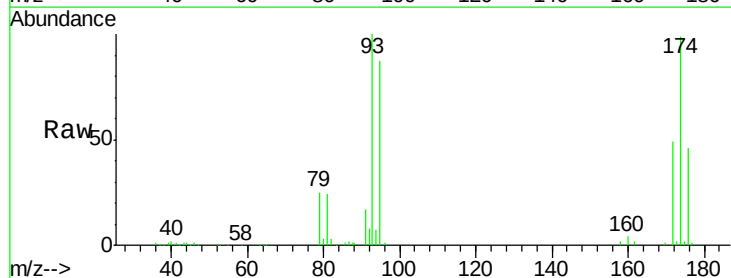
Tgt Ion: 93 Resp: 30197

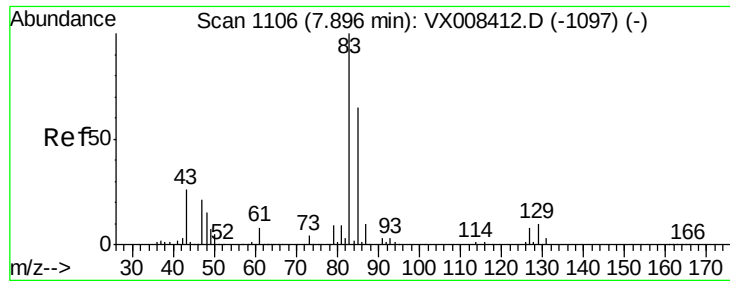
Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

174 95.7 76.0 114.0





#47

Bromodichloromethane

Concen: 17.869 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

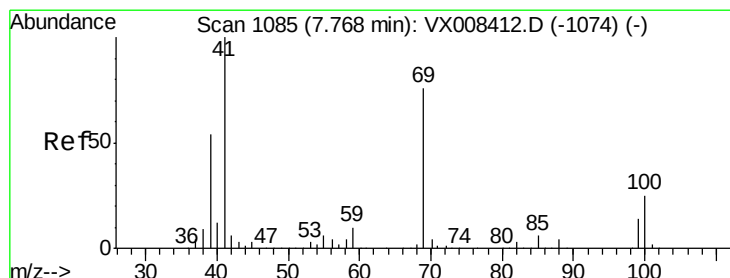
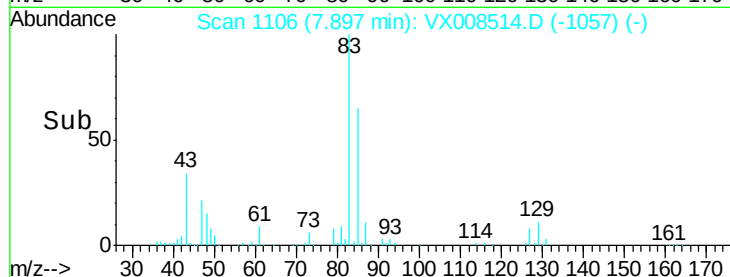
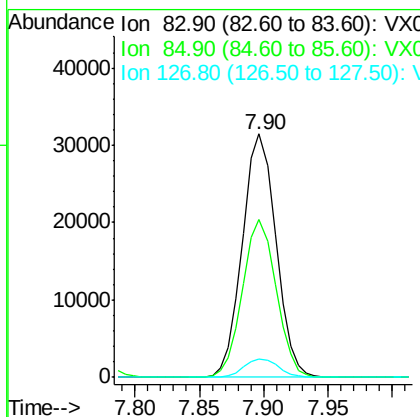
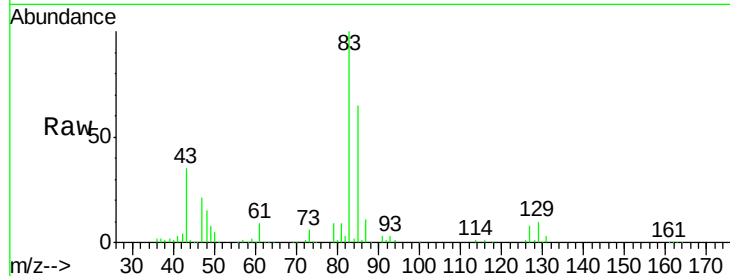
ClientSampleId :

VX0328WBS01

Tot Ion:	83	Resp:	57042
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0
127	7.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.792 ug/l

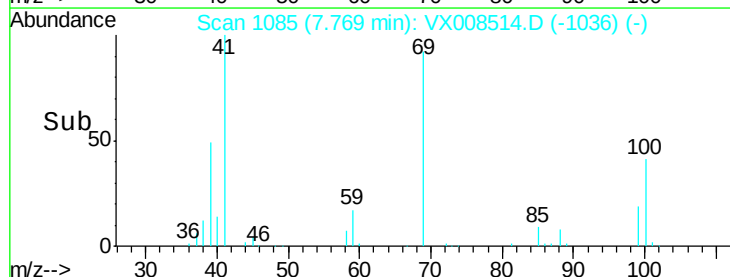
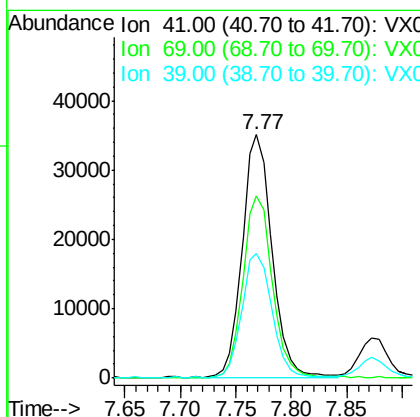
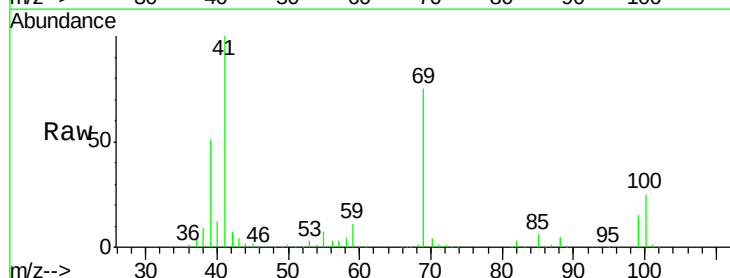
RT: 7.77 min Scan# 1085

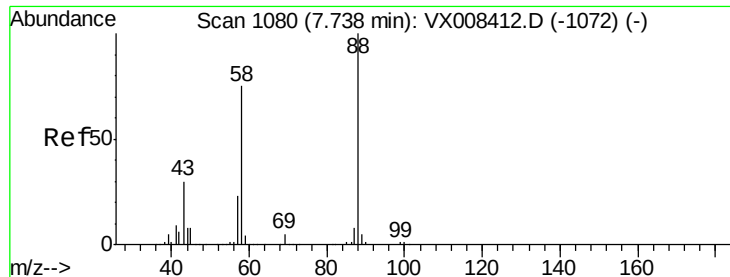
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	41	Resp:	65393
Ion	Ratio	Lower	Upper
41	100		
69	75.2	60.8	91.2
39	51.0	42.3	63.5





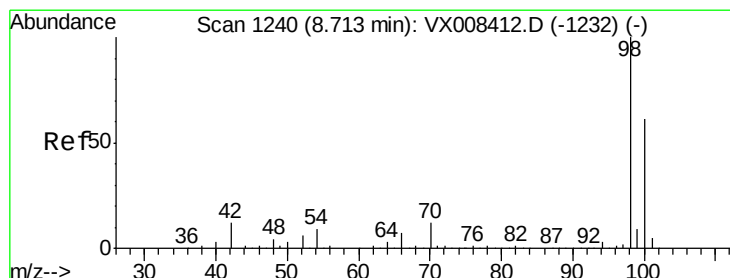
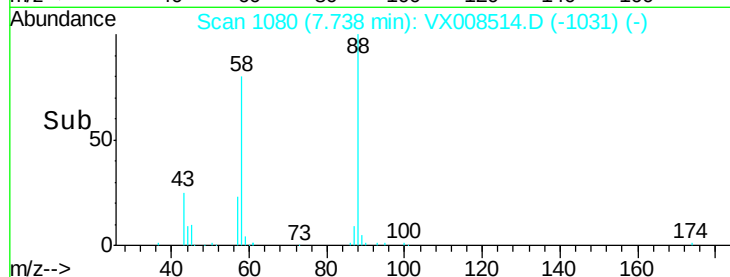
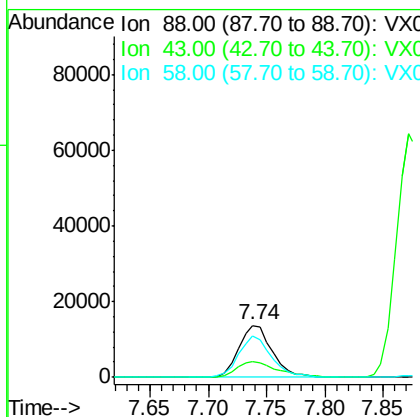
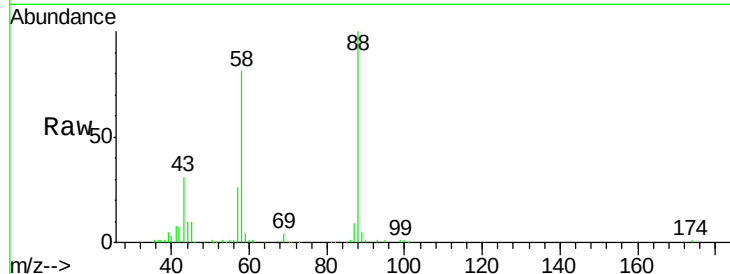
#49
 1,4-Dioxane
 Concen: 396.882 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.6	43.0
58	78.6	63.0	94.4

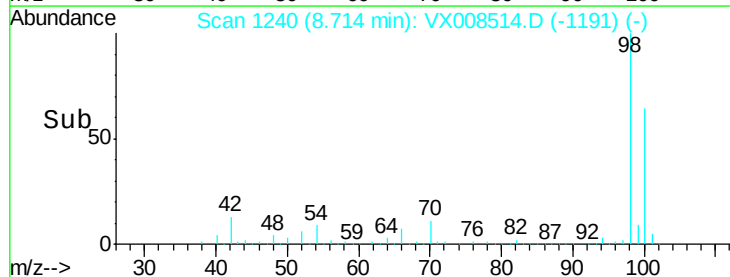
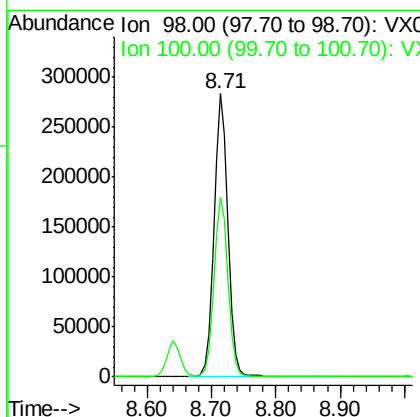
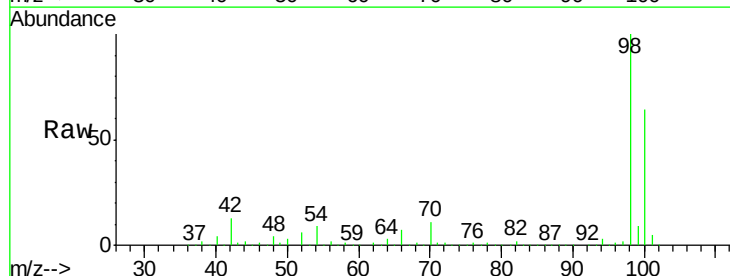
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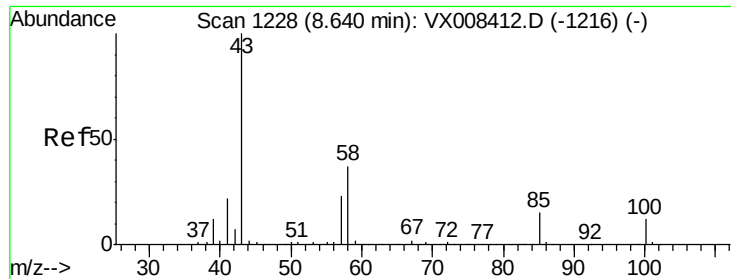
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#50
 Toluene-d8
 Concen: 52.481 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 95.566 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

Tot Ion: 43 Resp: 431689

Ion Ratio Lower Upper

43 100

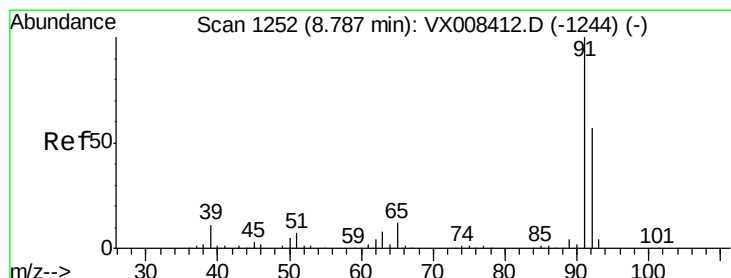
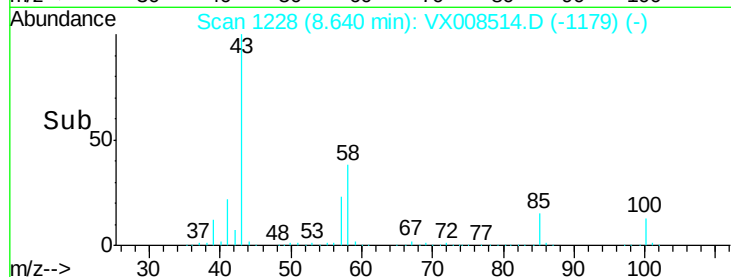
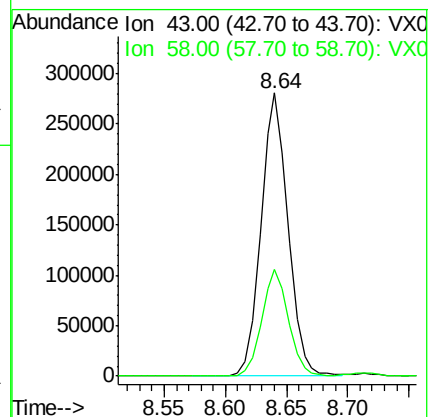
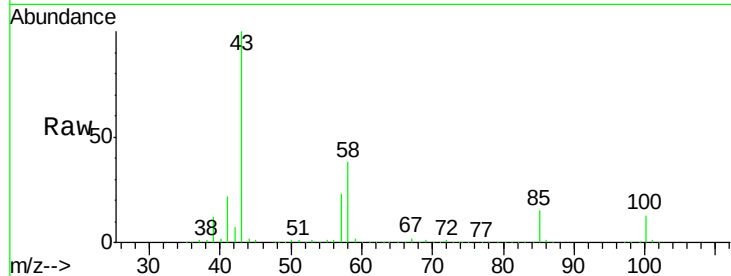
58 37.4 29.8 44.8

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#52

Toluene

Concen: 18.418 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008514.D

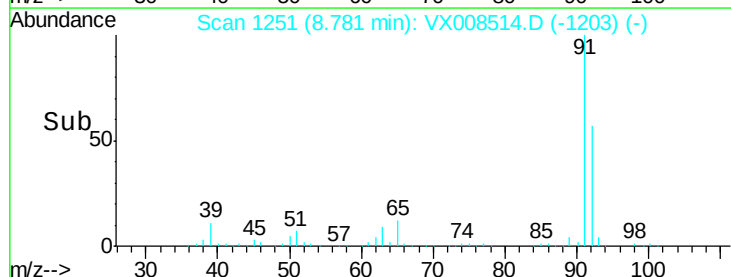
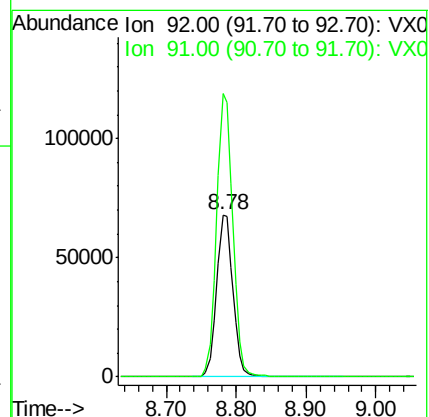
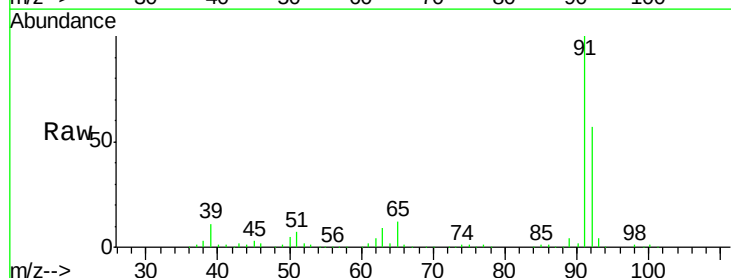
Acq: 28 Mar 2019 13:07

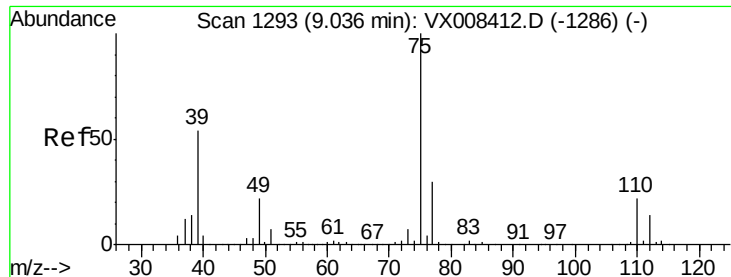
Tgt Ion: 92 Resp: 110652

Ion Ratio Lower Upper

92 100

91 173.6 140.2 210.4





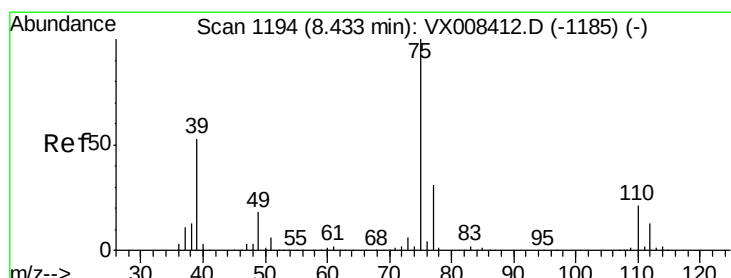
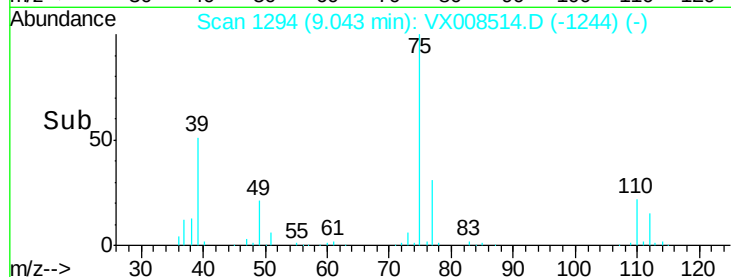
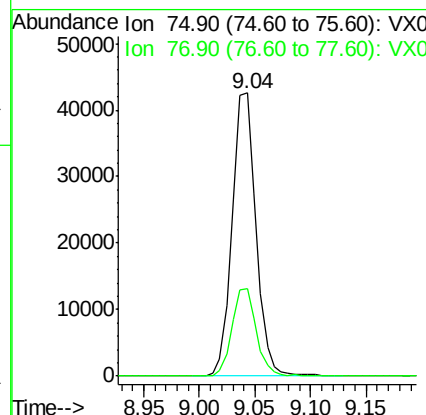
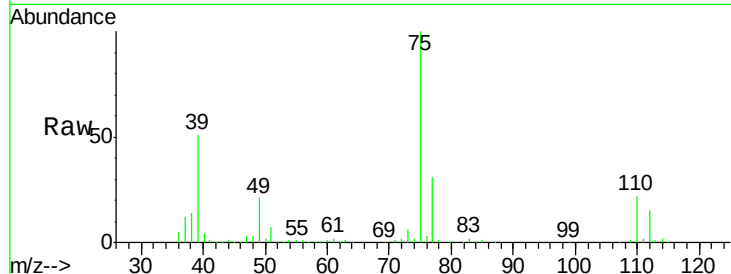
#53
 t-1,3-Dichloropropene
 Concen: 18.080 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.3	36.5

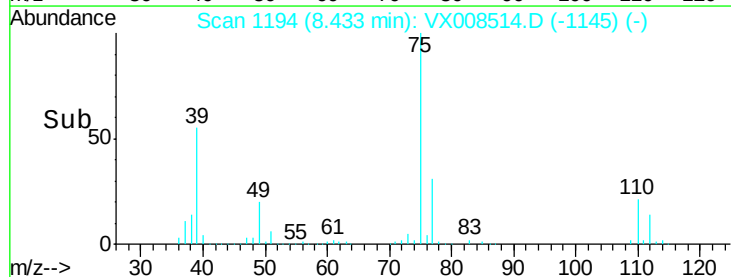
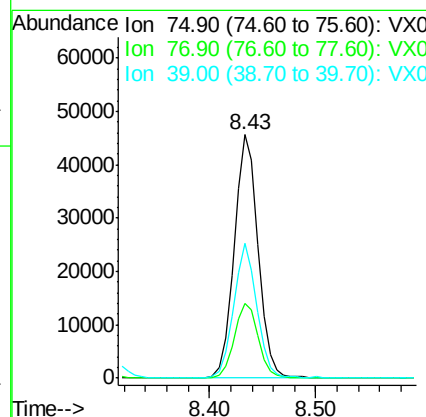
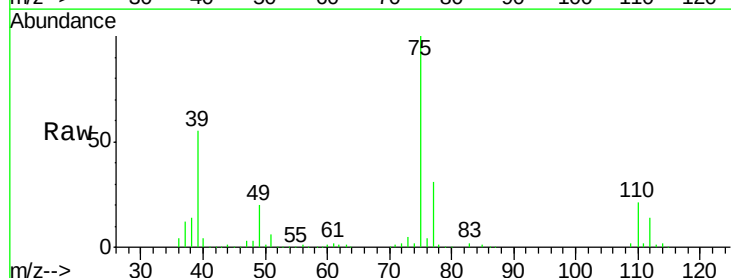
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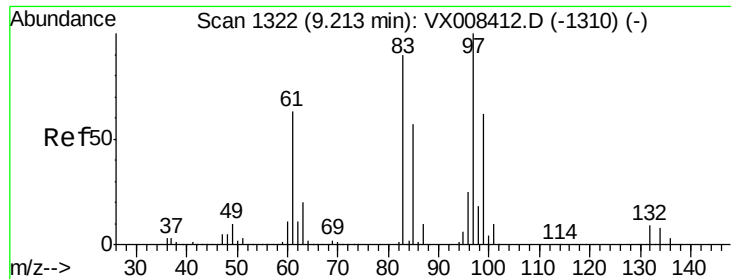
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#54
 cis-1,3-Dichloropropene
 Concen: 18.030 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	54.9	42.4	63.6





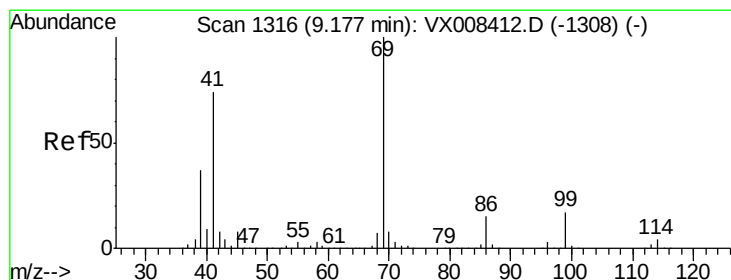
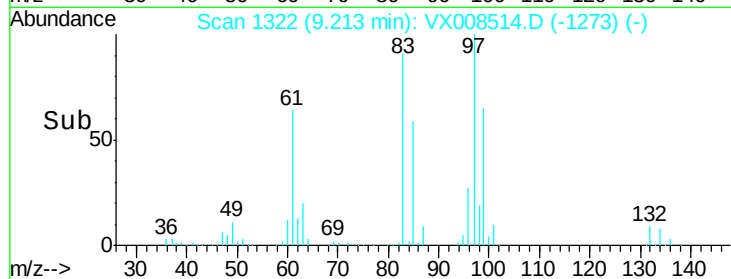
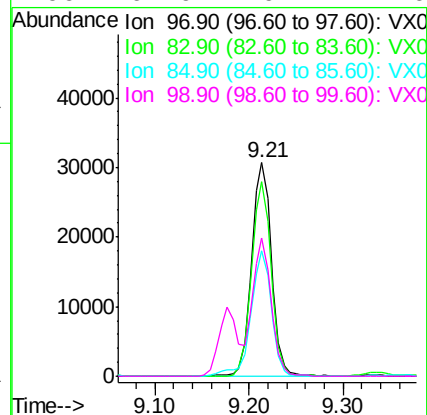
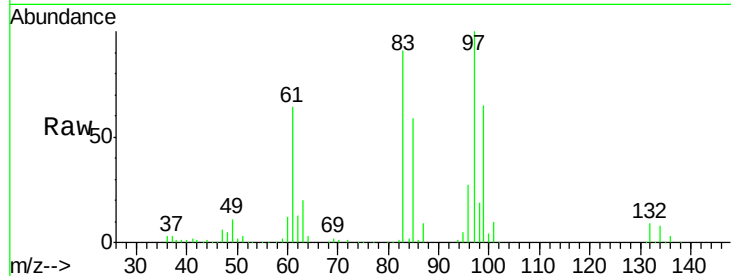
#55
 1,1,2-Trichloroethane
 Concen: 18.529 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion:	97	Resp:	45315
Ion	Ratio	Lower	Upper
97	100		
83	90.9	71.8	107.6
85	58.6	45.9	68.9
99	64.9	49.4	74.0

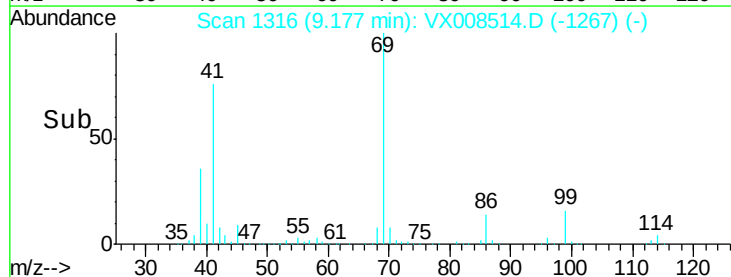
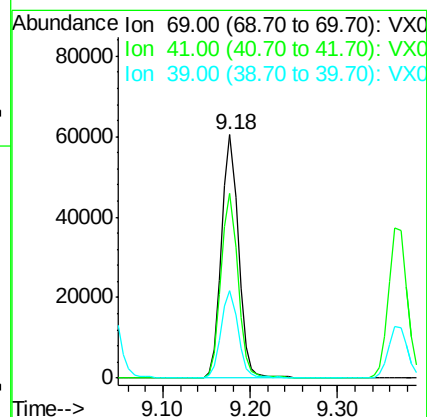
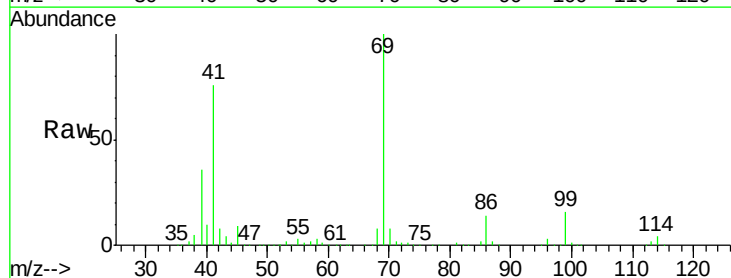
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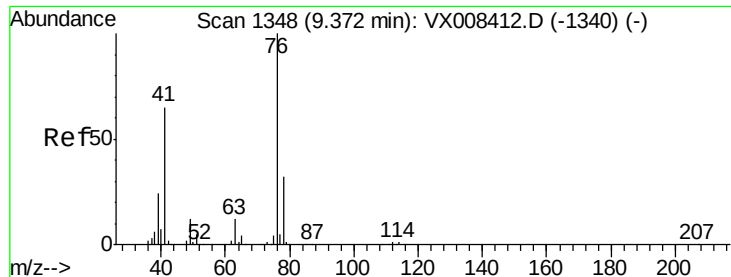
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#56
 Ethyl methacrylate
 Concen: 18.532 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion:	69	Resp:	81811
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.5	89.3
39	35.8	29.3	43.9





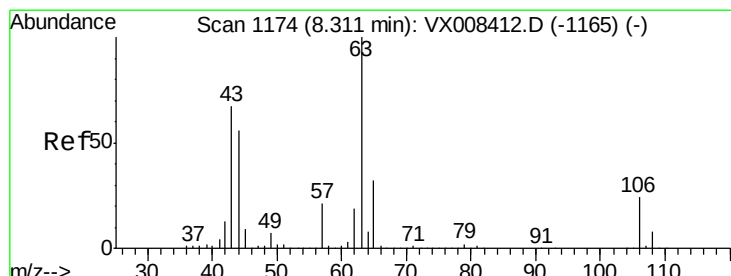
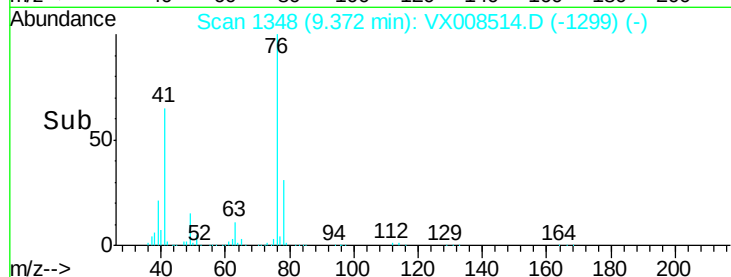
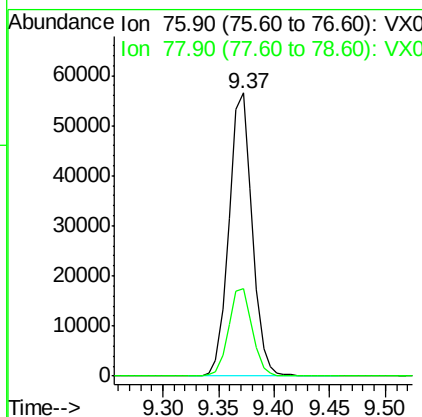
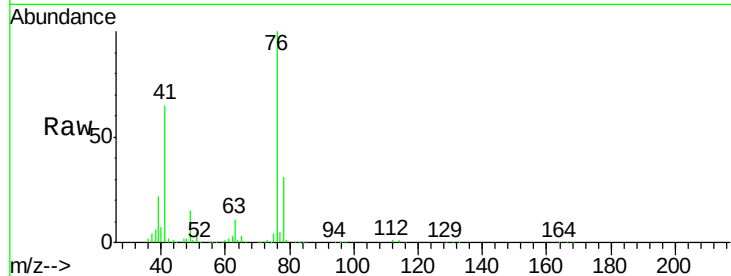
#57
 1,3-Dichloropropane
 Concen: 18.595 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion: 76 Resp: 81537
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8

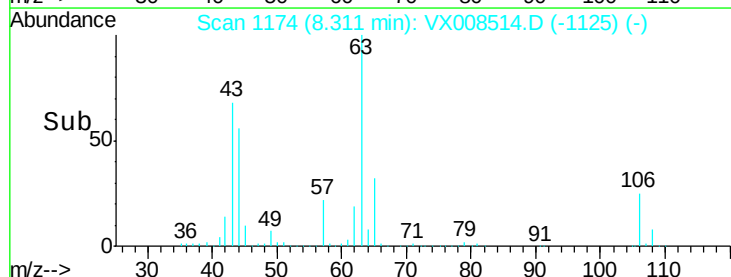
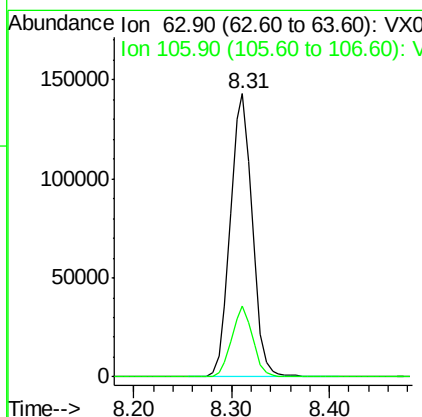
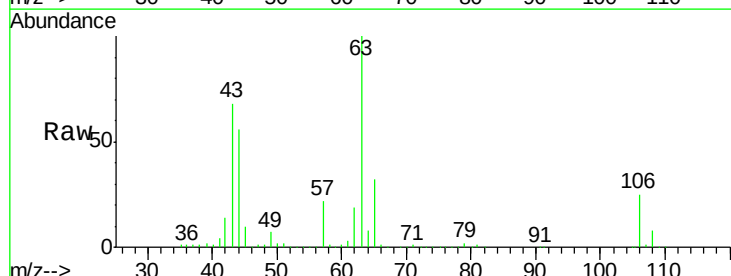
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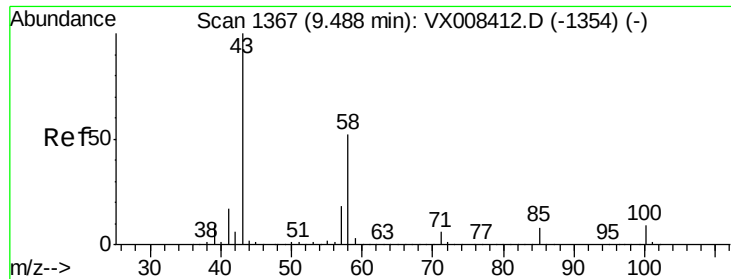
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.945 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion: 63 Resp: 223509
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.0 28.6





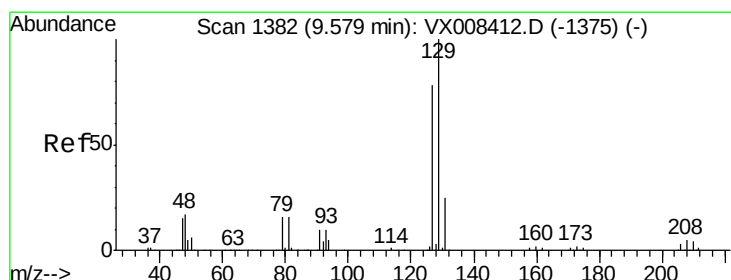
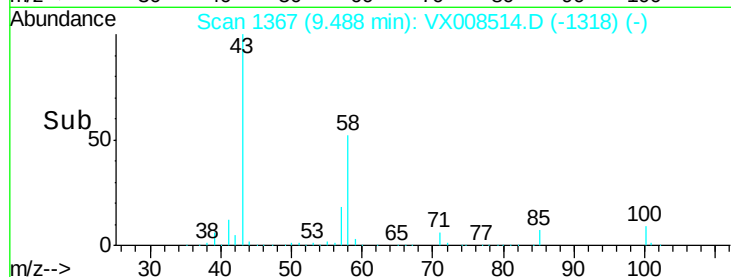
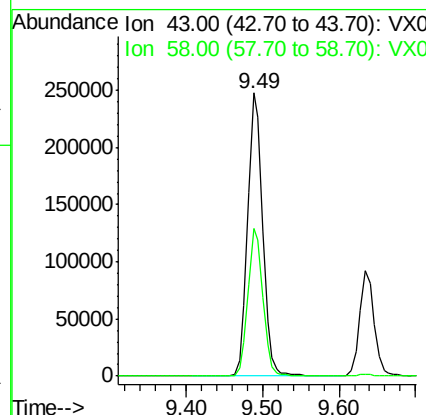
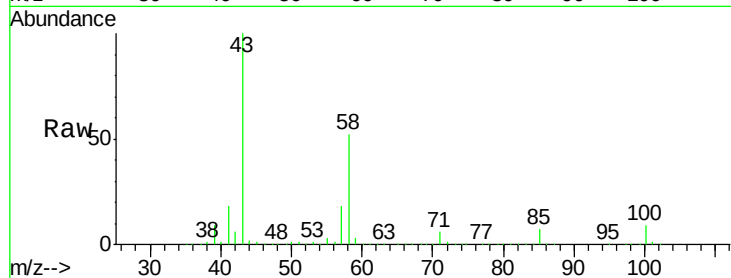
#59
2-Hexanone
Concen: 96.365 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion: 43 Resp: 337292
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.9

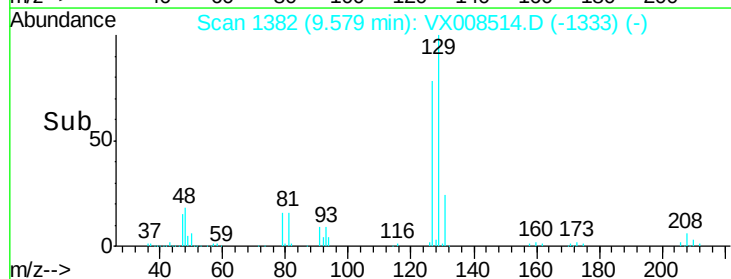
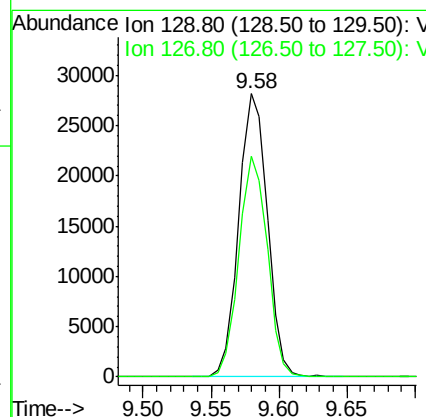
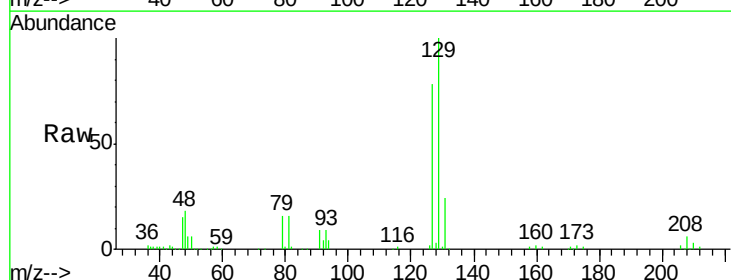
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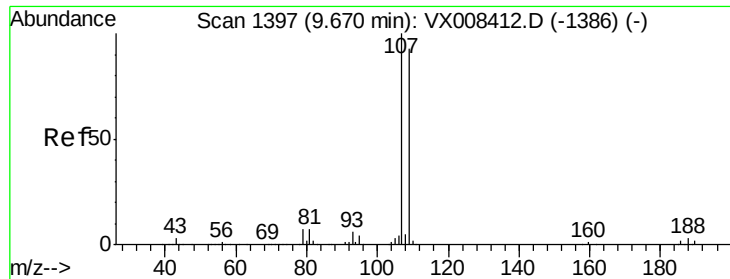
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#60
Dibromochloromethane
Concen: 17.799 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion: 129 Resp: 41399
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 18.310 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion:107 Resp: 45700

Ion Ratio Lower Upper

107 100

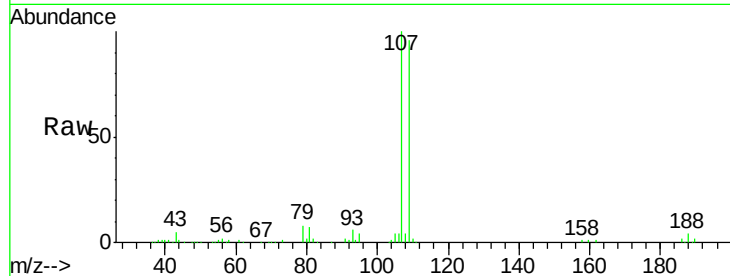
109 94.5 74.6 111.8

Manual Integrations

APPROVED

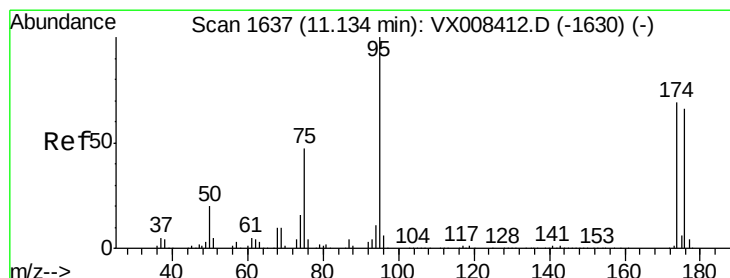
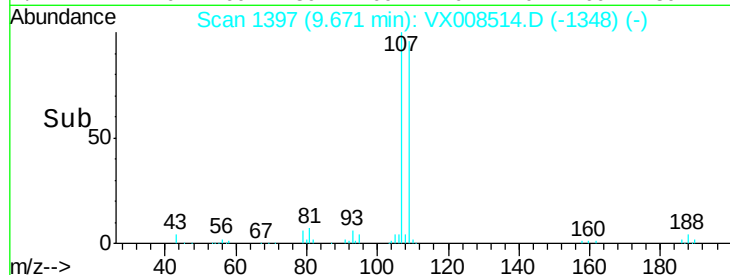
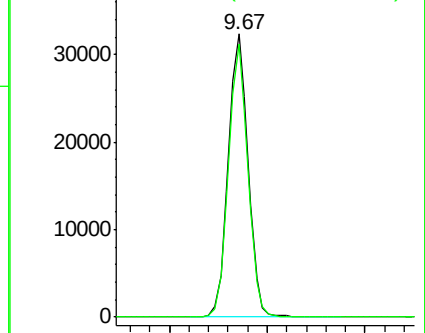
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

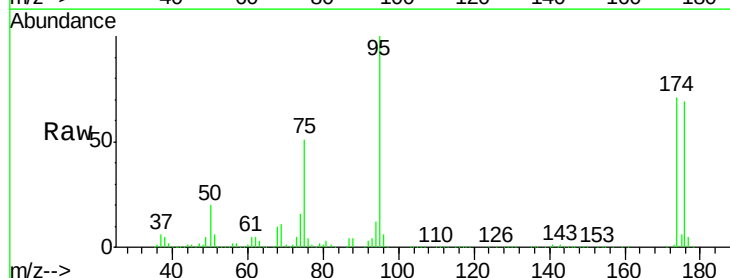
Tgt Ion: 95 Resp: 158243

Ion Ratio Lower Upper

95 100

174 74.5 0.0 147.2

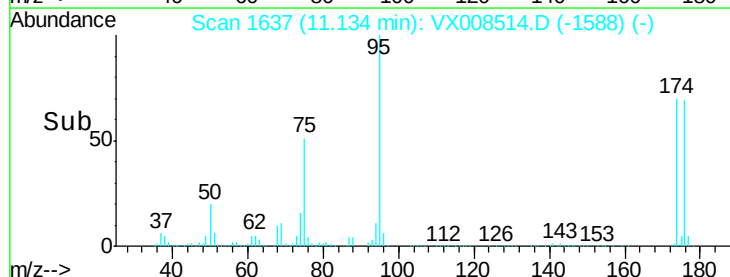
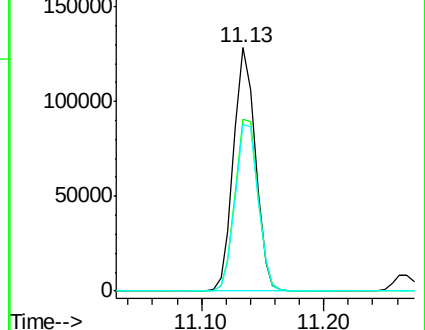
176 72.0 0.0 142.4

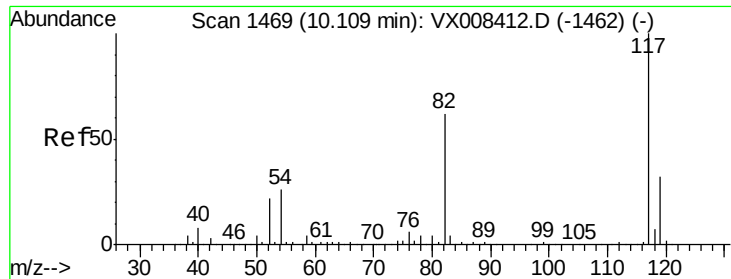


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





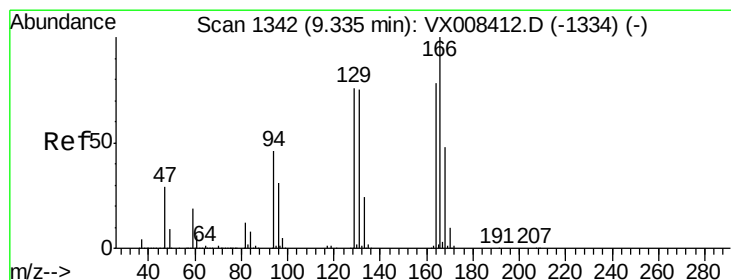
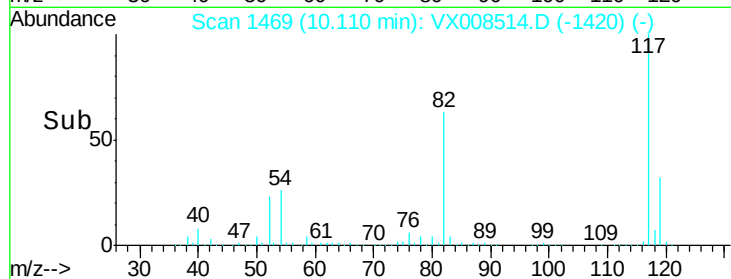
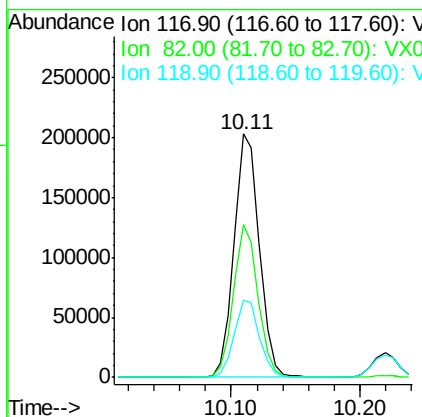
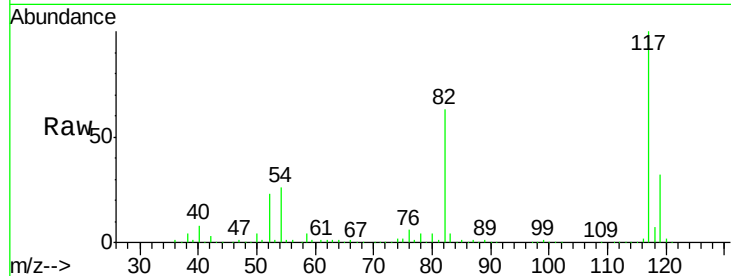
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.8	49.4	74.2
119	31.9	25.4	38.0

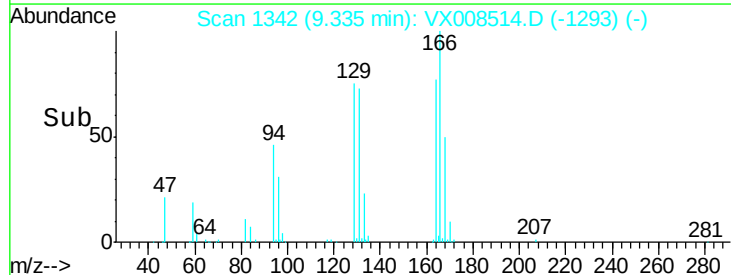
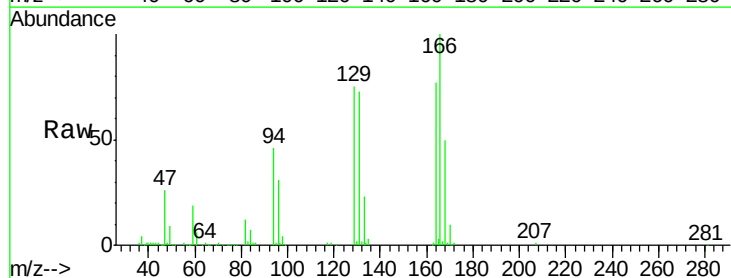
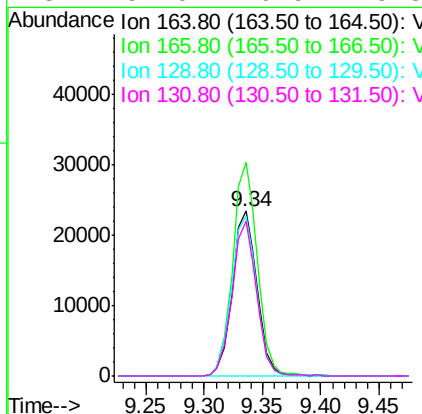
Manual Integrations
APPROVED

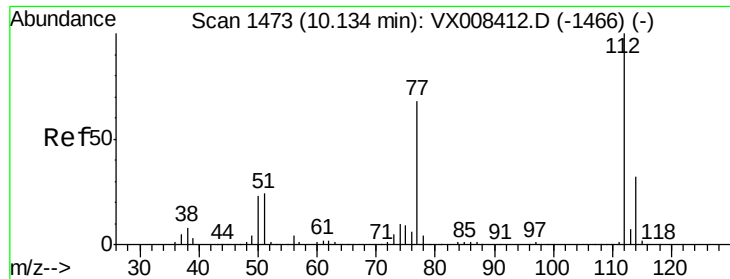
MMDadoda
3/29/2019 10:51:46 AM



#64
Tetrachloroethene
Concen: 18.259 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.5	153.7
129	97.1	77.8	116.8
131	94.0	76.9	115.3





#65

Chlorobenzene

Concen: 18.515 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

Tot Ion:112 Resp: 112047

Ion Ratio Lower Upper

112 100

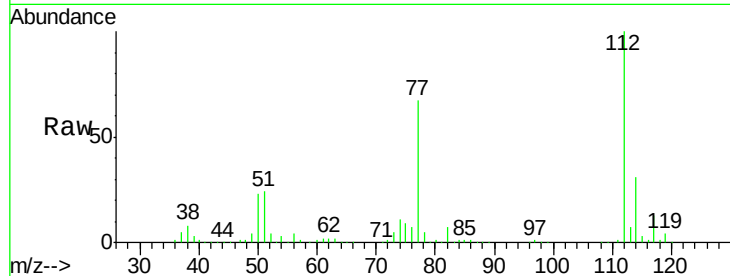
114 31.2 25.4 38.2

Manual Integrations

APPROVED

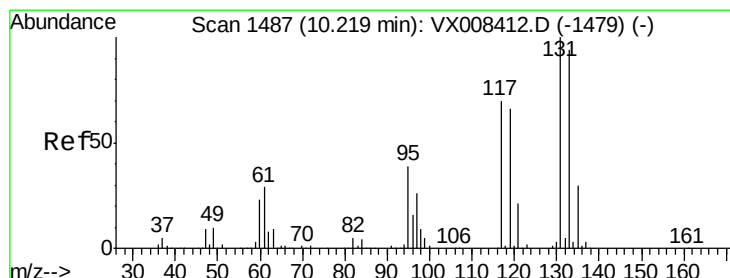
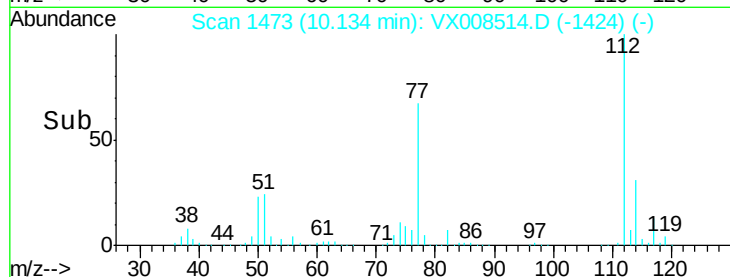
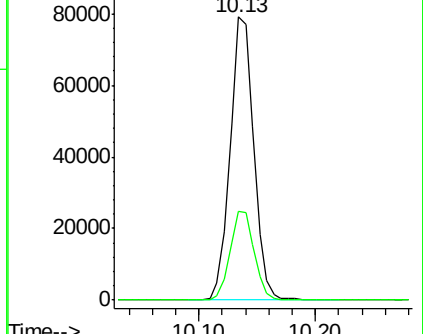
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.620 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

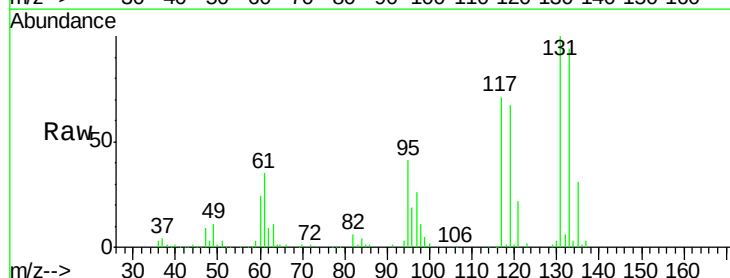
Tgt Ion:131 Resp: 38878

Ion Ratio Lower Upper

131 100

133 94.9 47.3 141.8

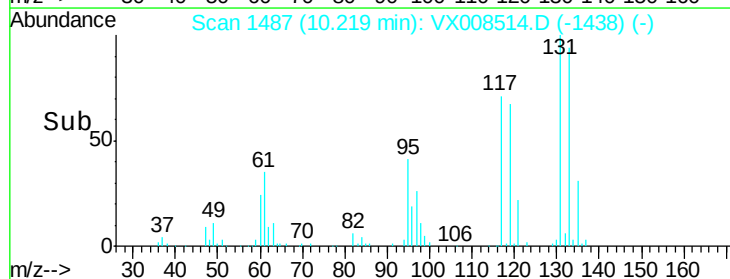
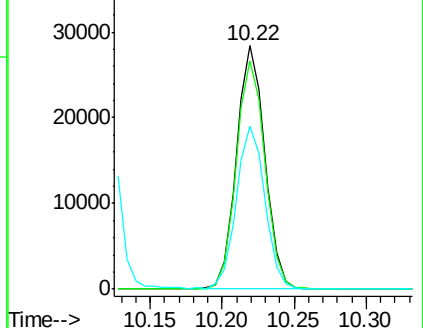
119 67.8 33.6 100.6

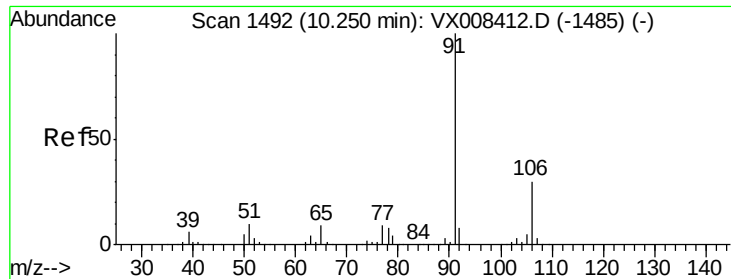


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.625 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

Tot Ion: 91 Resp: 212731

Ion Ratio Lower Upper

91 100

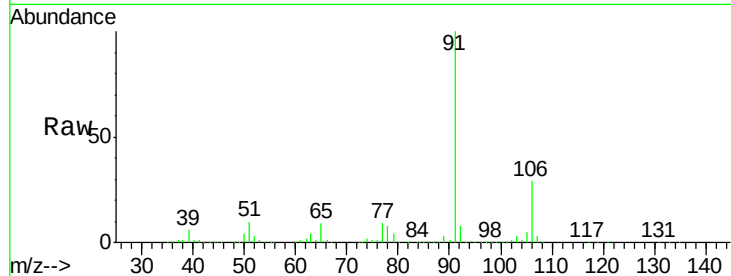
106 28.8 24.0 36.0

Manual Integrations

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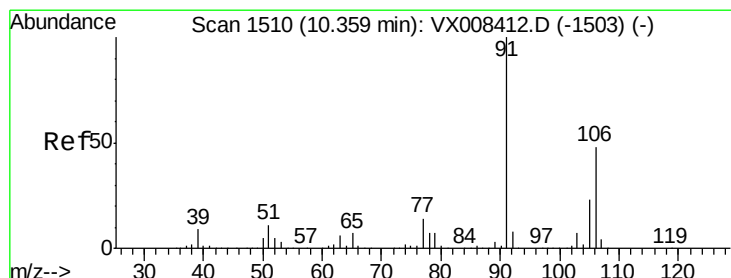
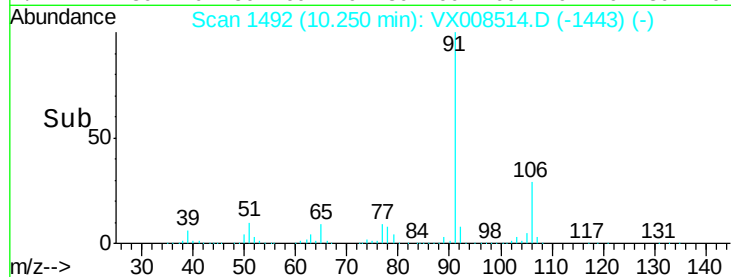
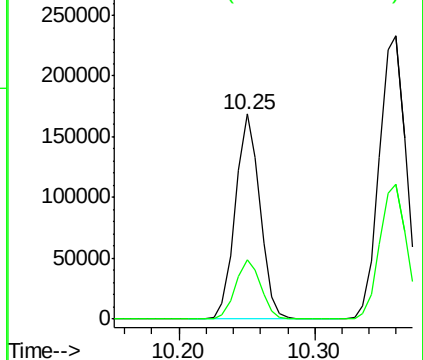
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.621 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008514.D

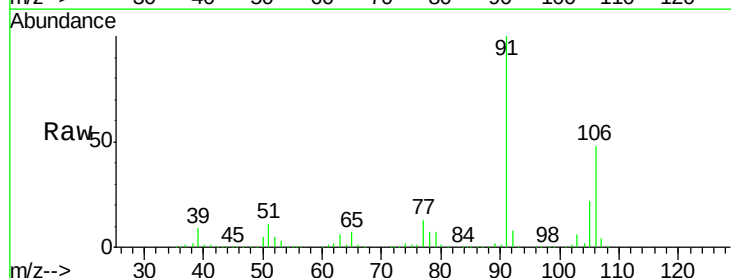
Acq: 28 Mar 2019 13:07

Tgt Ion: 106 Resp: 152164

Ion Ratio Lower Upper

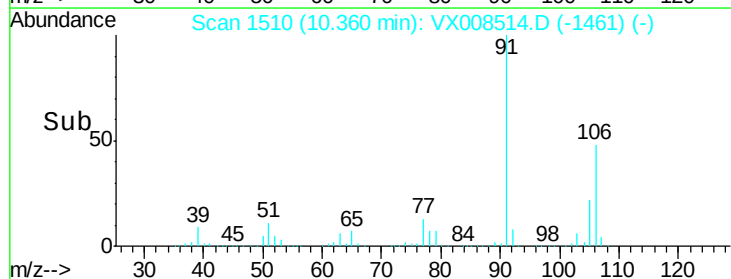
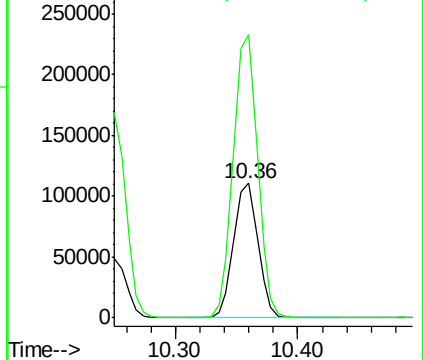
106 100

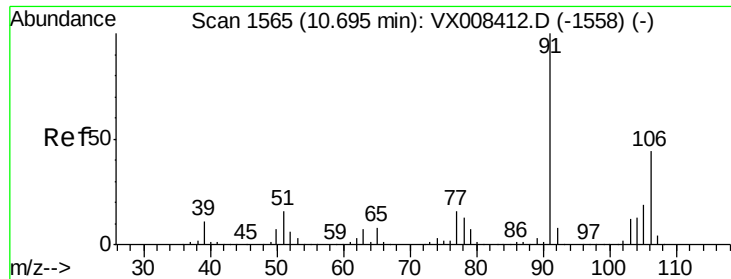
91 211.2 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

o-Xylene

Concen: 18.748 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

Tot Ion:106 Resp: 75596

Ion Ratio Lower Upper

106 100

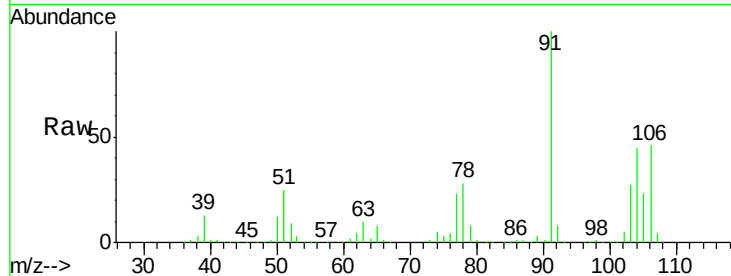
91 220.8 111.4 334.2

Manual Integrations

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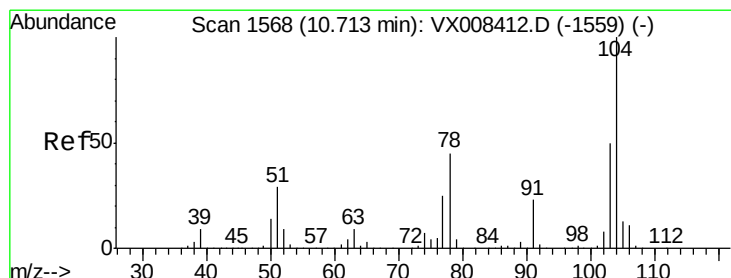
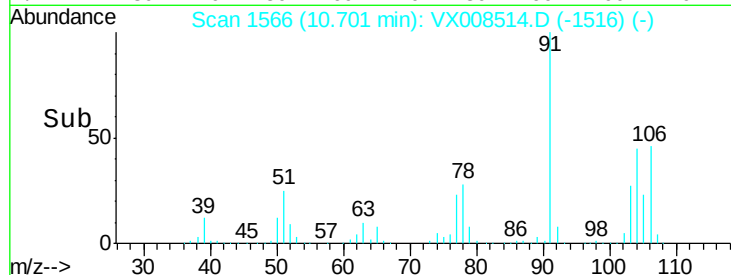
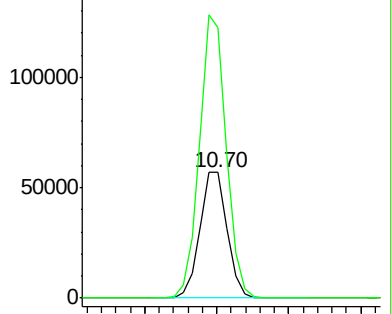
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 18.686 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

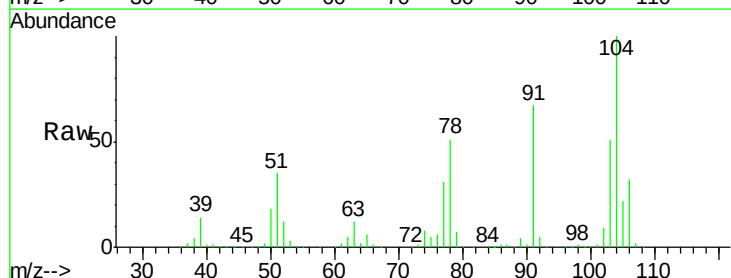
Tgt Ion:104 Resp: 130147

Ion Ratio Lower Upper

104 100

78 52.9 42.5 63.7

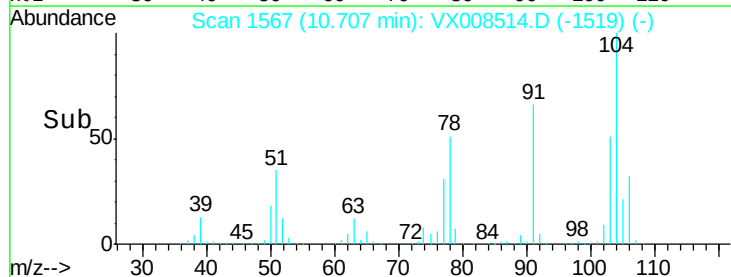
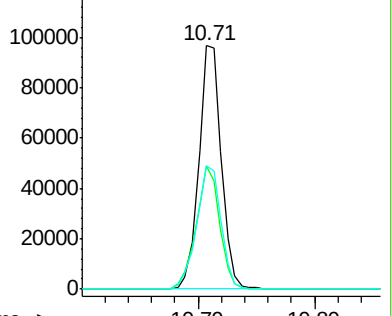
103 55.0 44.2 66.4

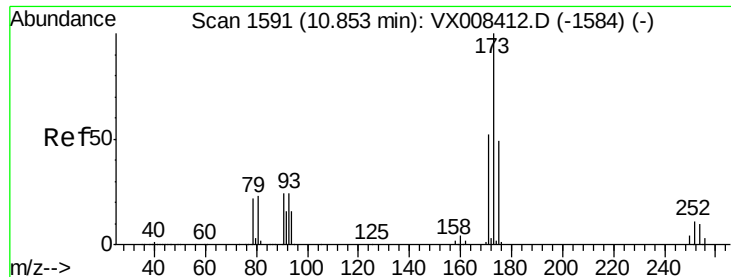


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.494 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion:173 Resp: 28846

Ion Ratio Lower Upper

173 100

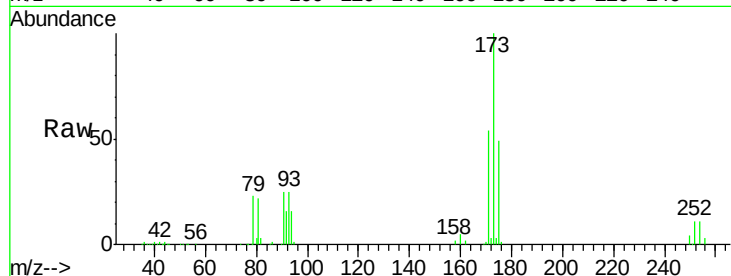
175 49.3 24.3 72.8

254 0.0 0.2 0.2#

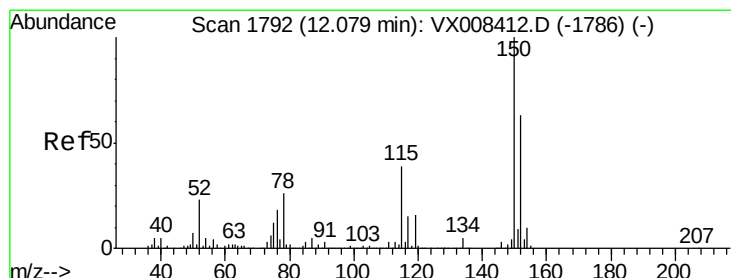
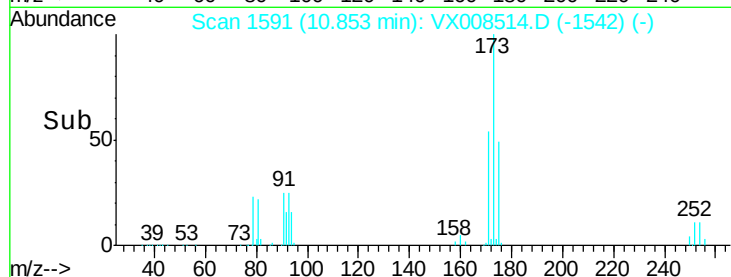
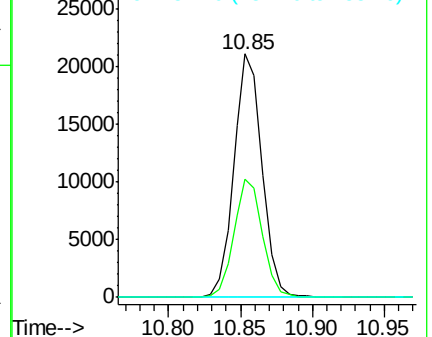
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

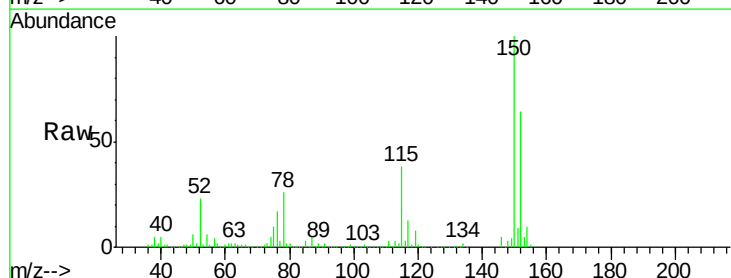
Tgt Ion:152 Resp: 128672

Ion Ratio Lower Upper

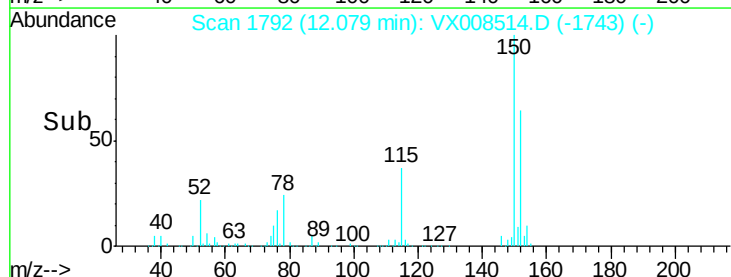
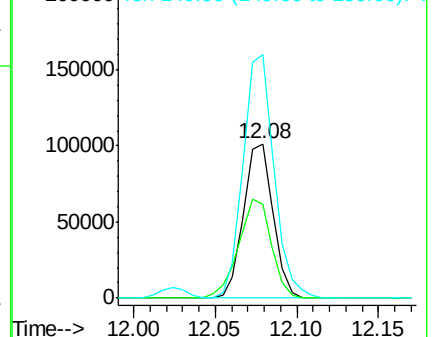
152 100

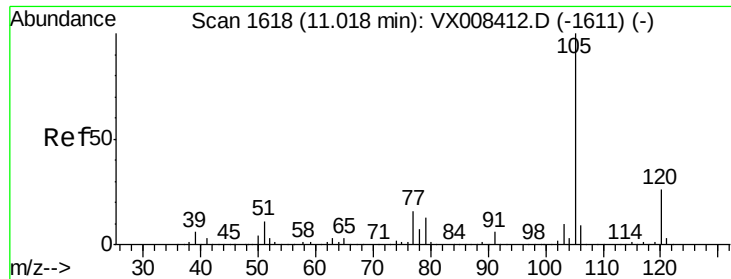
115 70.8 43.5 130.5

150 164.6 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: 19.182 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion: 105 Resp: 200796

Ion Ratio Lower Upper

105 100

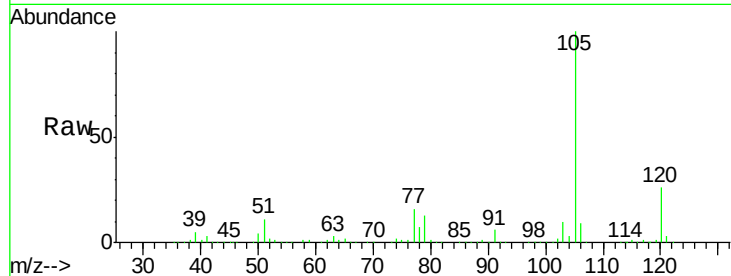
120 25.7 12.9 38.7

Manual Integrations

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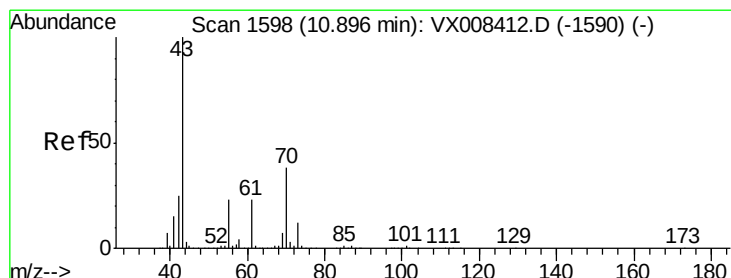
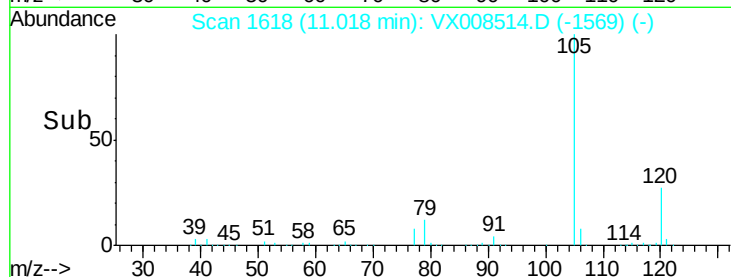
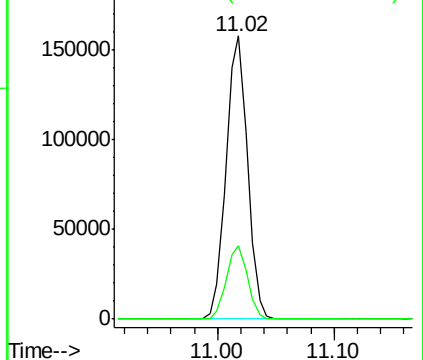
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.441 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion: 43 Resp: 117794

Ion Ratio Lower Upper

43 100

70 37.3 30.5 45.7

55 23.5 18.2 27.2

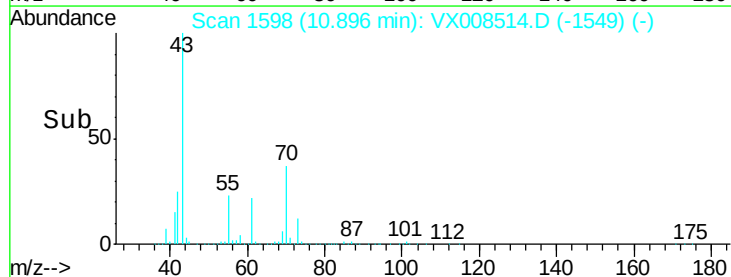
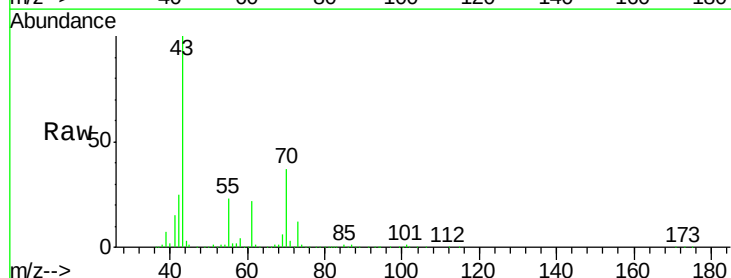
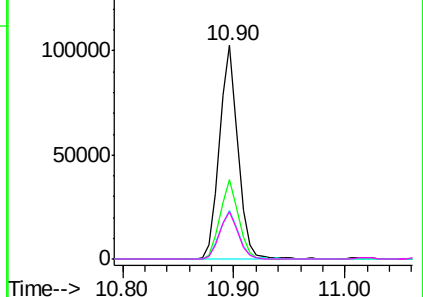
61 22.9 18.4 27.6

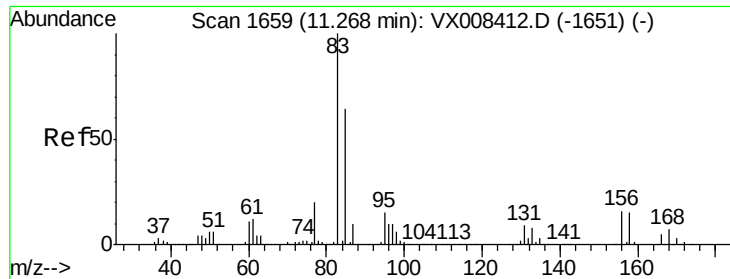
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.706 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

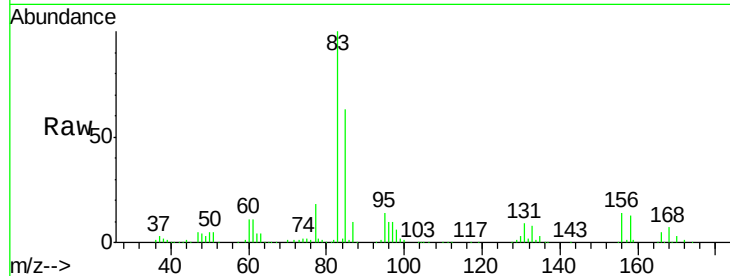
ClientSampleId :

VX0328WBS01

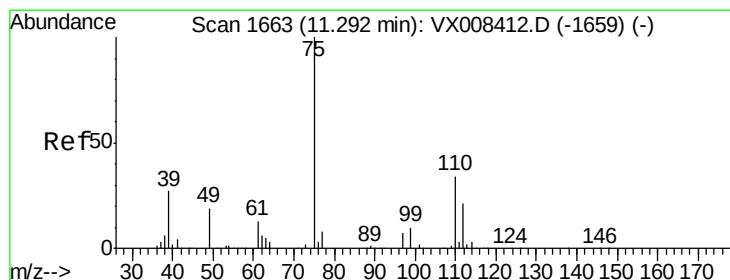
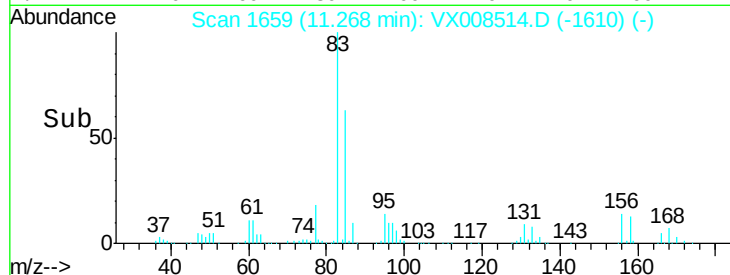
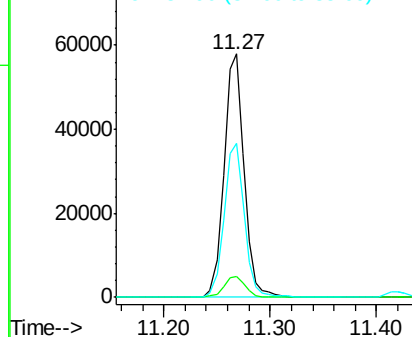
Tot Ion:	83	Resp:	75977
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.4
85	63.9	31.9	95.9

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



#76

1,2,3-Trichloropropane

Concen: 16.982 ug/l m

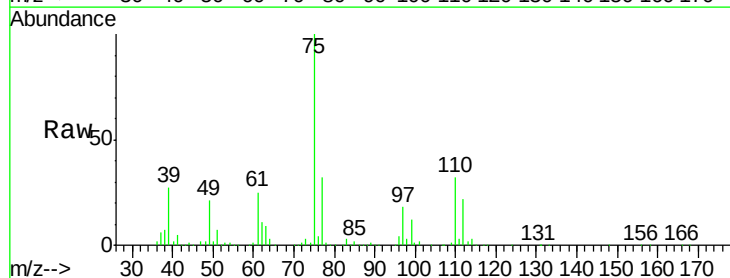
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

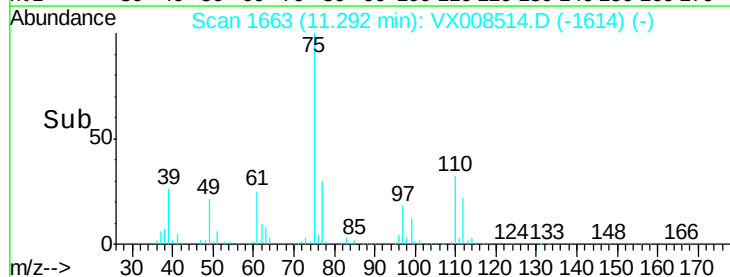
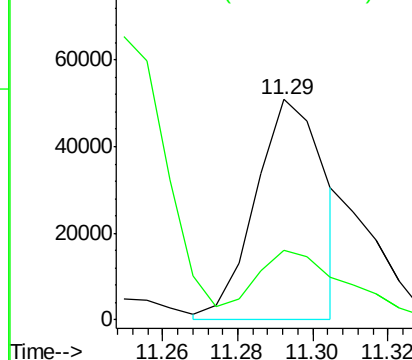
Lab File: VX008514.D

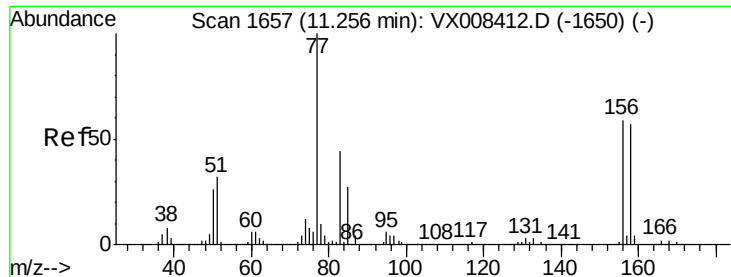
Acq: 28 Mar 2019 13:07

Tgt Ion:	75	Resp:	64963
Ion Ratio	Lower	Upper	
75	100		
77	41.8	21.9	65.7



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





#77

Bromobenzene

Concen: 18.618 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion:156 Resp: 47302

Ion Ratio Lower Upper

156 100

77 181.0 91.1 273.3

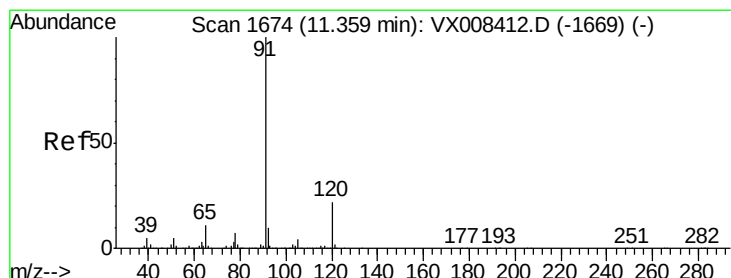
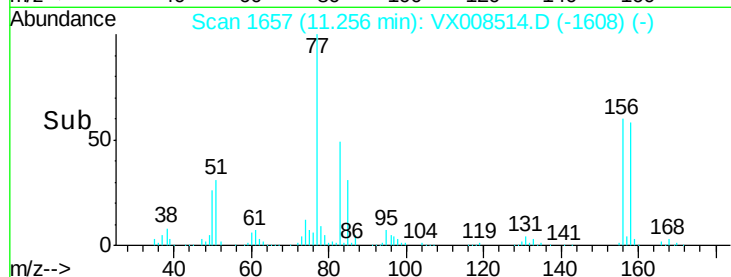
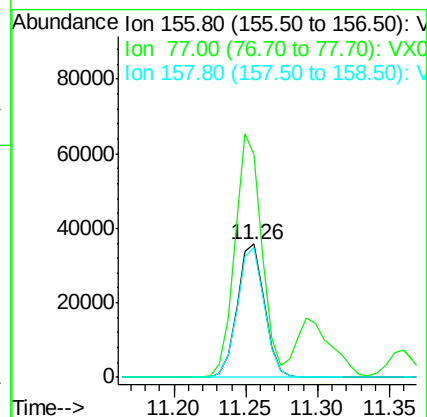
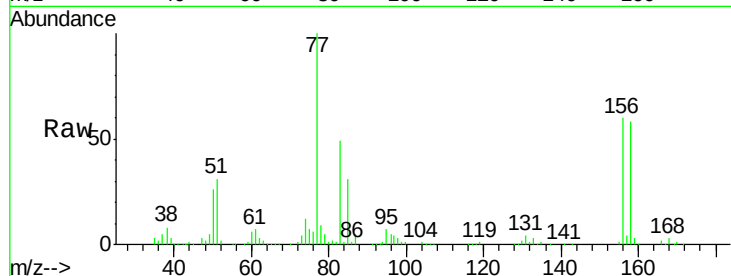
158 96.5 48.3 144.8

Manual Integrations

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#78

n-propylbenzene

Concen: 18.905 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008514.D

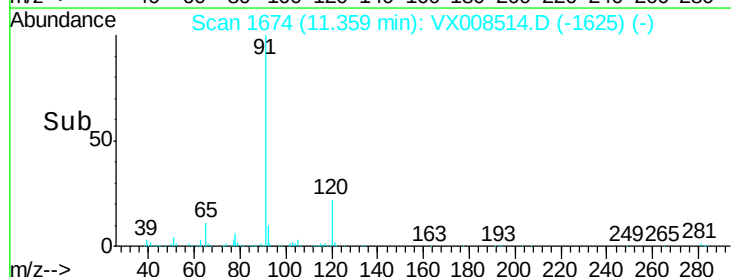
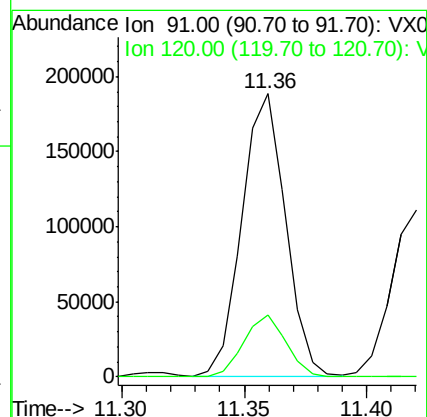
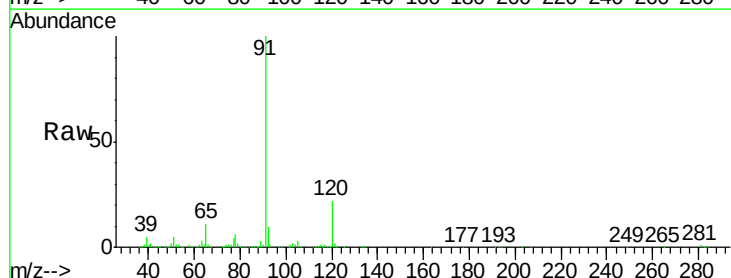
Acq: 28 Mar 2019 13:07

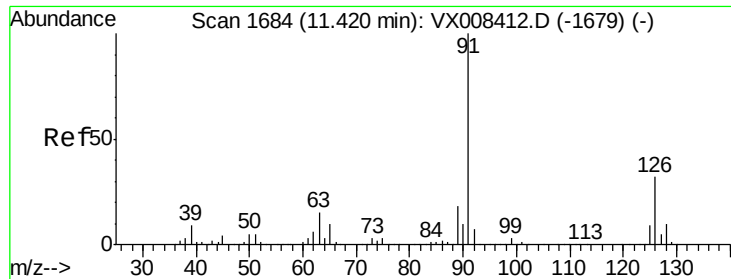
Tgt Ion: 91 Resp: 231831

Ion Ratio Lower Upper

91 100

120 21.6 10.8 32.4





#79

2-Chlorotoluene

Concen: 18.702 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0328WBS01

Tot Ion: 91 Resp: 139491

Ion Ratio Lower Upper

91 100

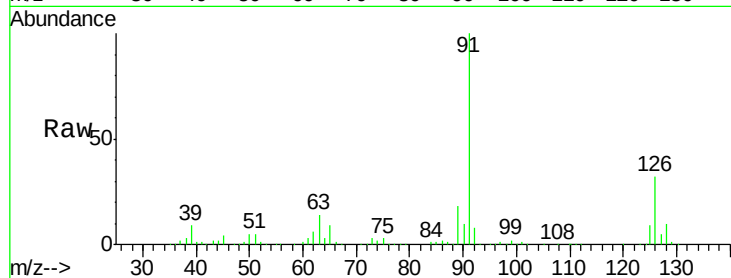
126 31.2 15.7 47.1

Manual Integrations

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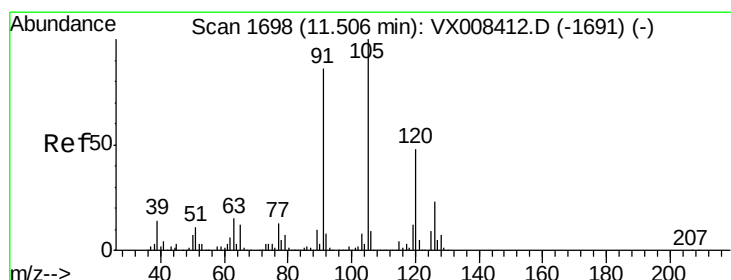
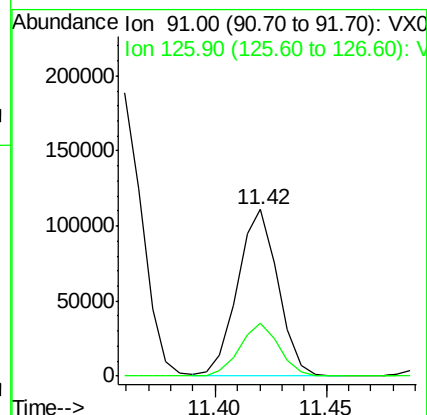
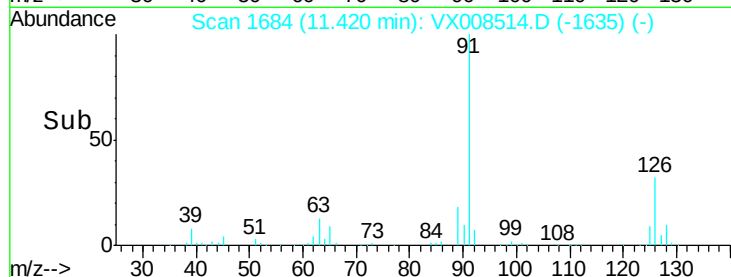
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.945 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008514.D

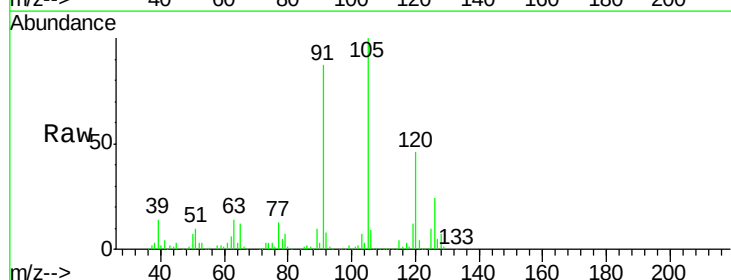
Acq: 28 Mar 2019 13:07

Tgt Ion:105 Resp: 167659

Ion Ratio Lower Upper

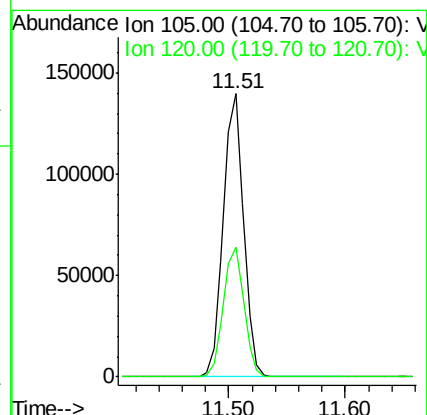
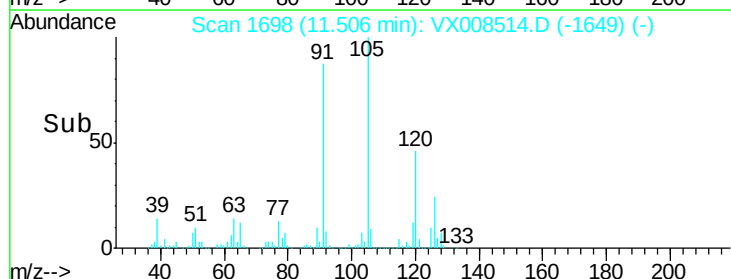
105 100

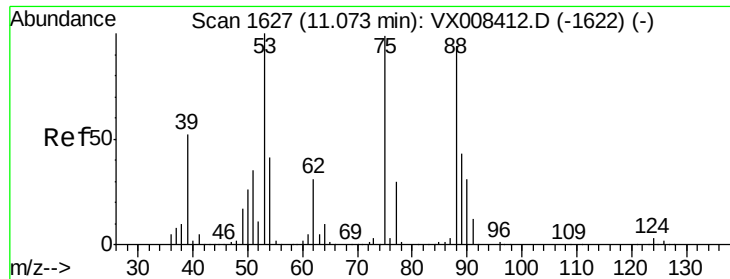
120 47.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





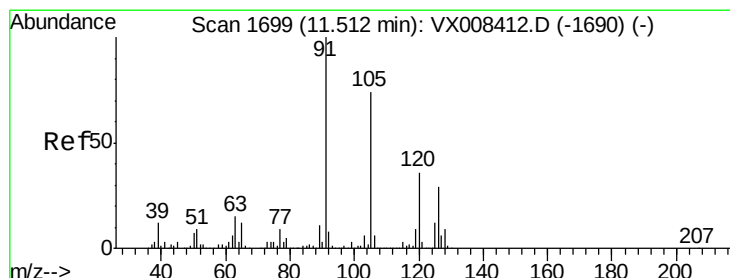
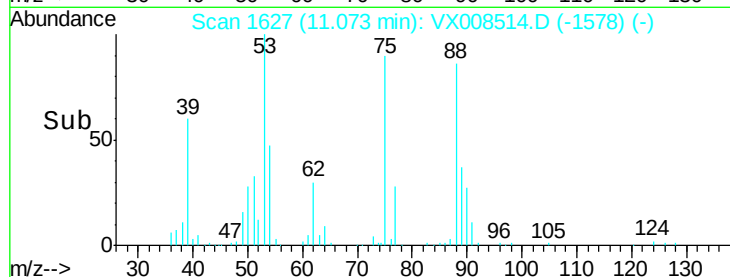
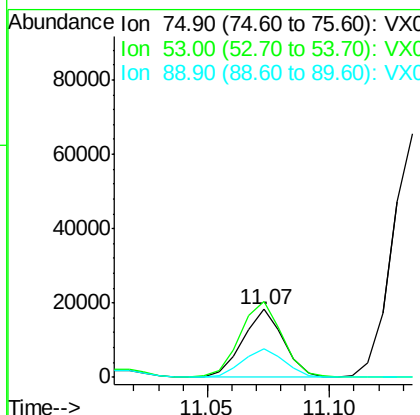
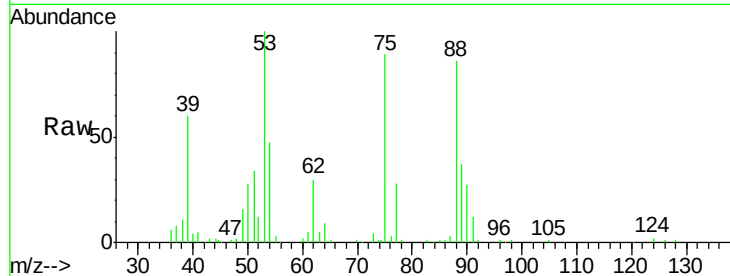
#81
trans-1,4-Dichloro-2-butene
Concen: 17.564 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.4	82.1	123.1
89	44.3	34.6	52.0

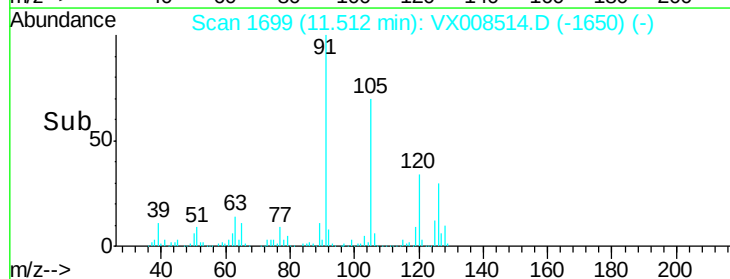
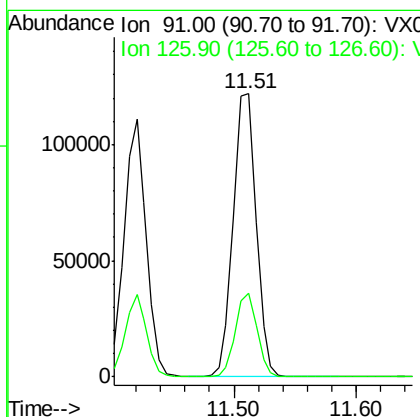
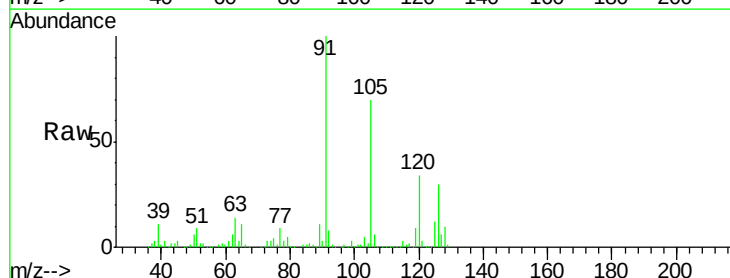
Manual Integrations
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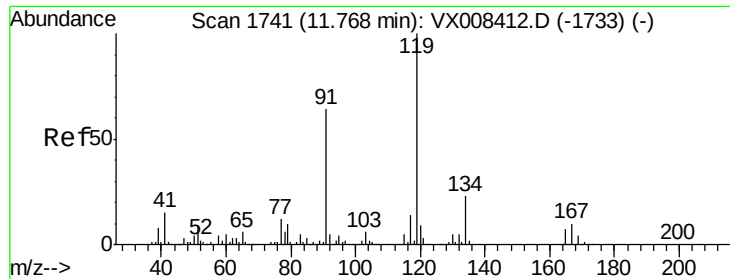
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#82
4-Chlorotoluene
Concen: 18.359 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.9	41.7





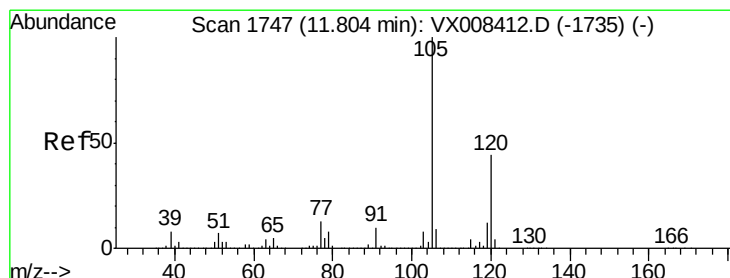
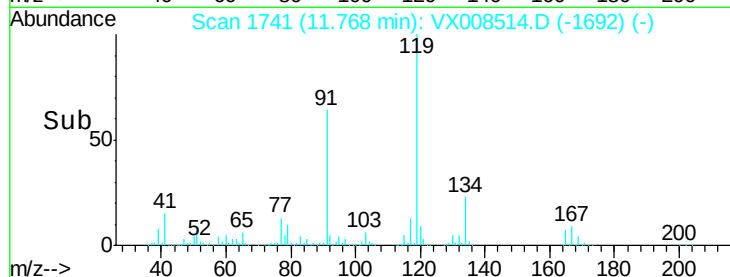
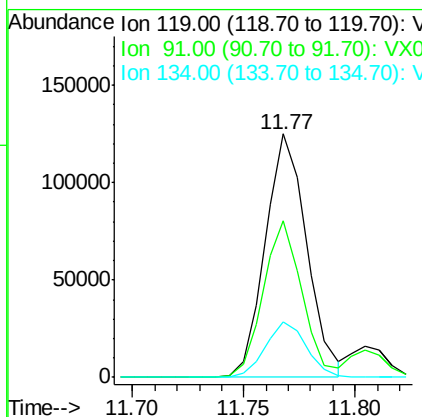
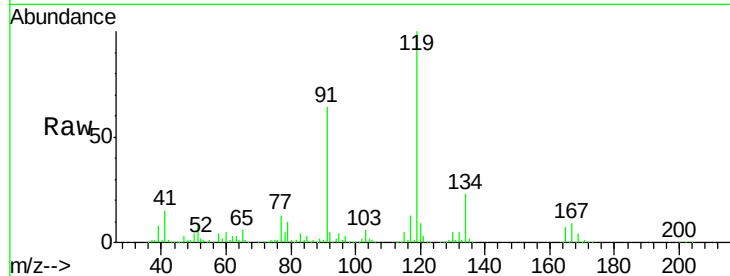
#83
 tert-Butylbenzene
 Concen: 18.927 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161611		
91	60.6	30.1	90.3	
134	22.5	10.9	32.9	

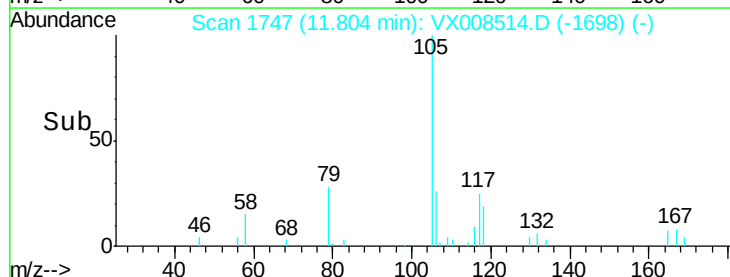
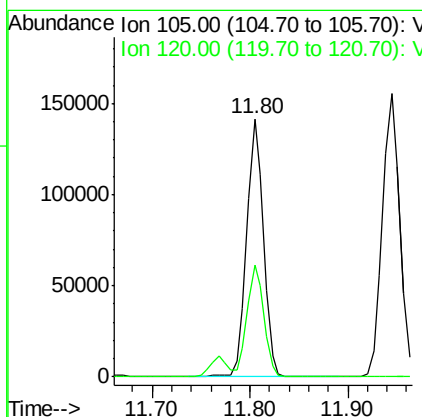
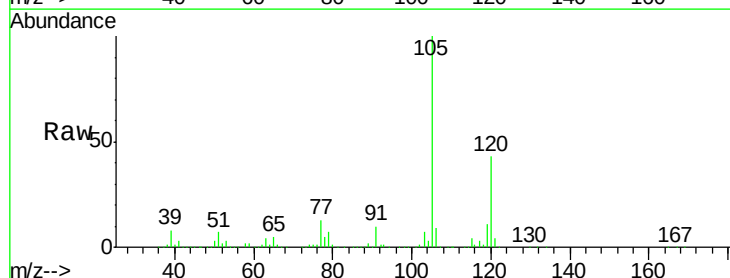
Manual Integrations
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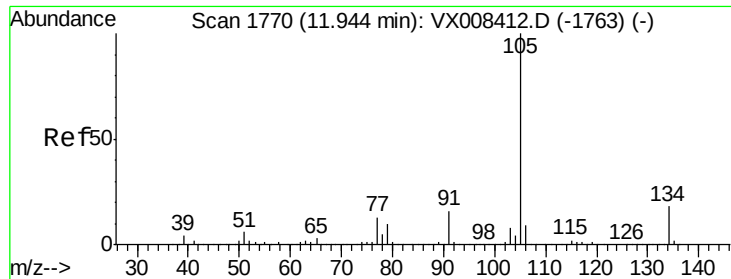
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.916 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	169320		
120	43.6	21.6	65.0	





#85

sec-Butylbenzene

Concen: 18.850 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBS01

Tot Ion:105 Resp: 191672

Ion Ratio Lower Upper

105 100

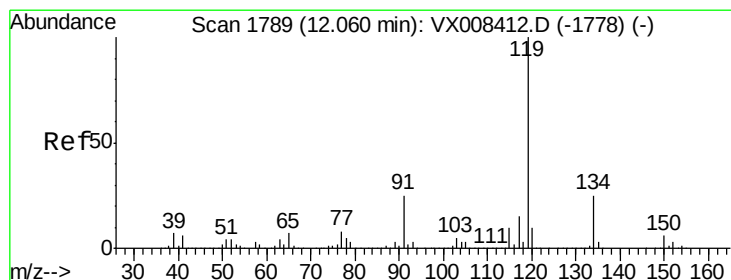
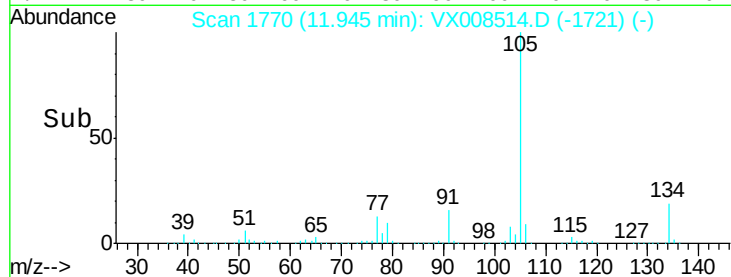
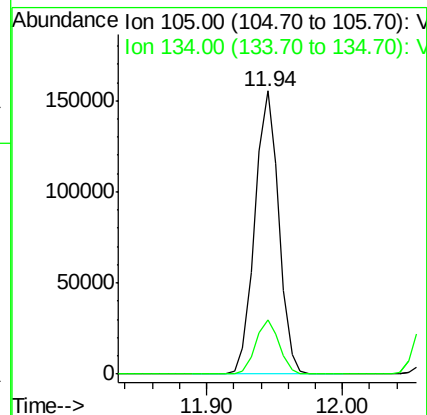
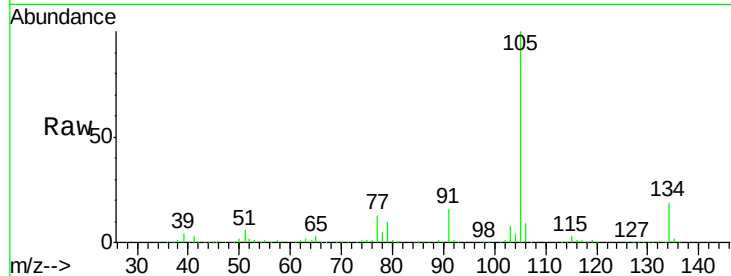
134 18.9 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.921 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

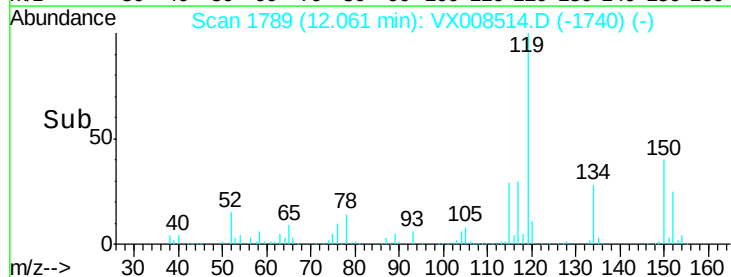
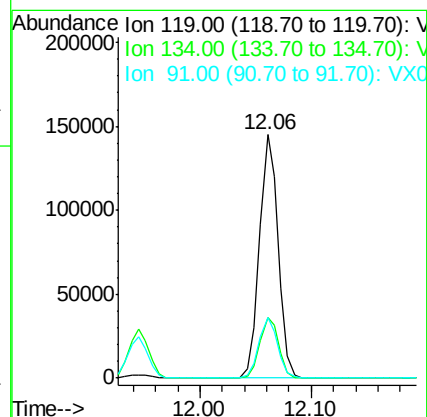
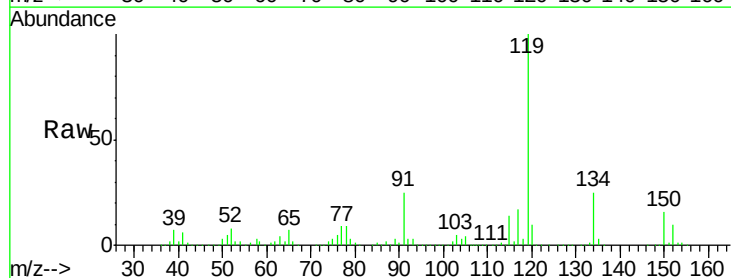
Tgt Ion:119 Resp: 169763

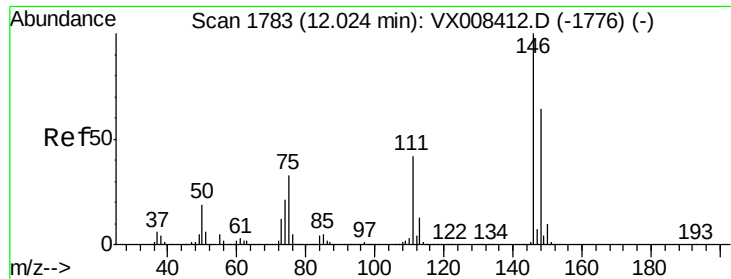
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 24.7 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 18.266 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

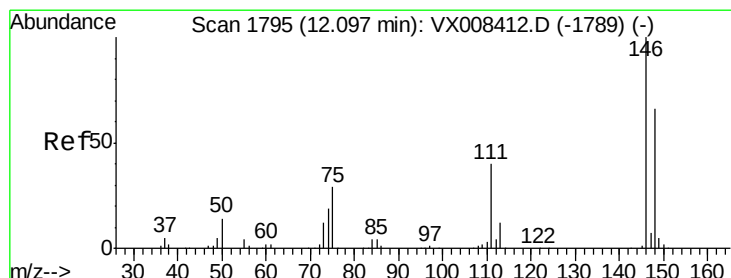
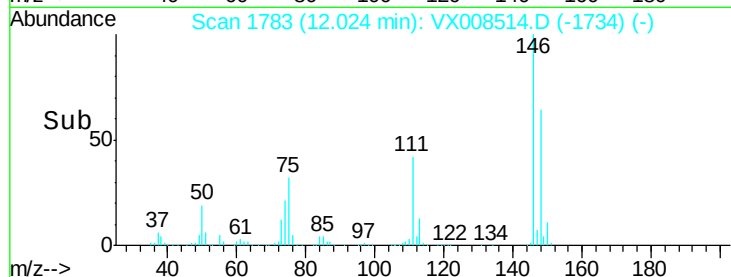
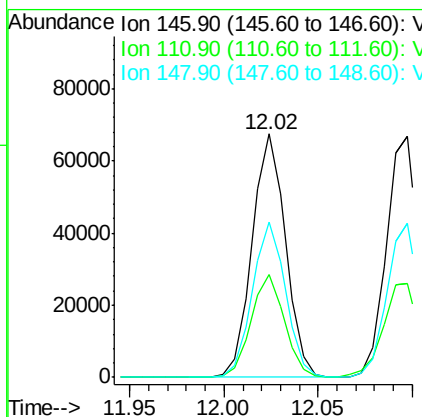
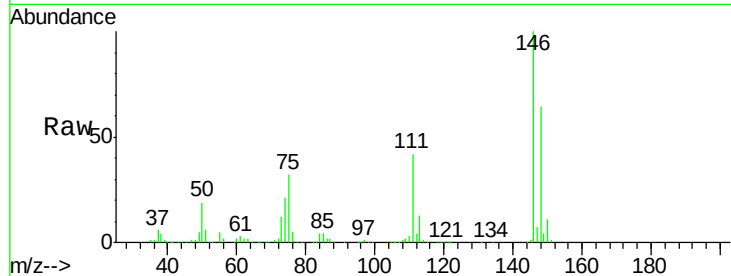
ClientSampleId :

VX0328WBS01

Tot Ion:	146	Resp:	82915
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.5
148	63.6	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.054 ug/l

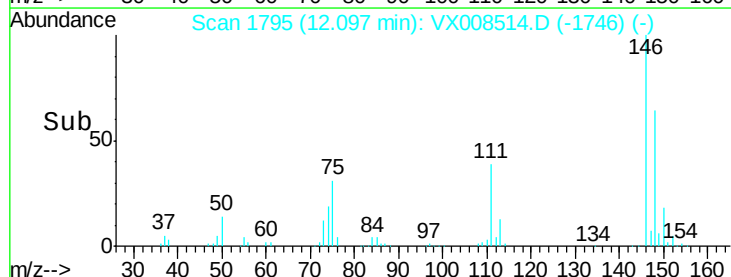
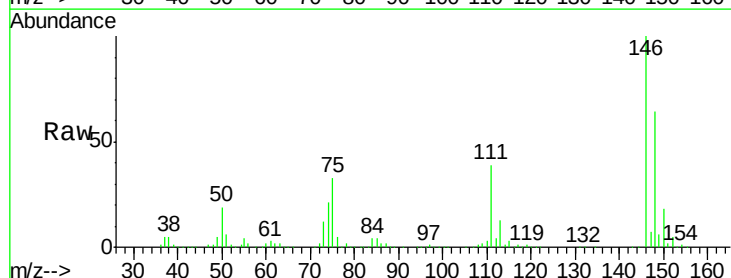
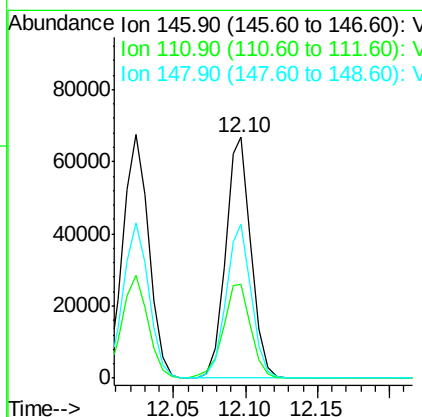
RT: 12.10 min Scan# 1795

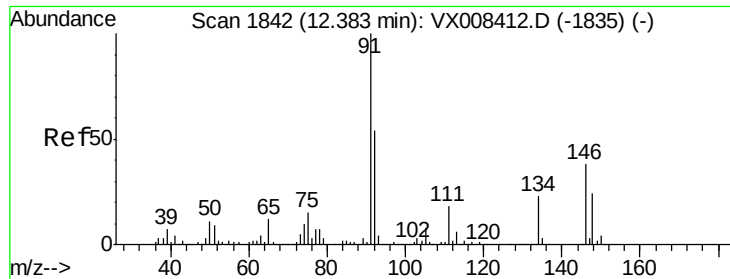
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	146	Resp:	82710
Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	61.0
148	63.7	32.1	96.5





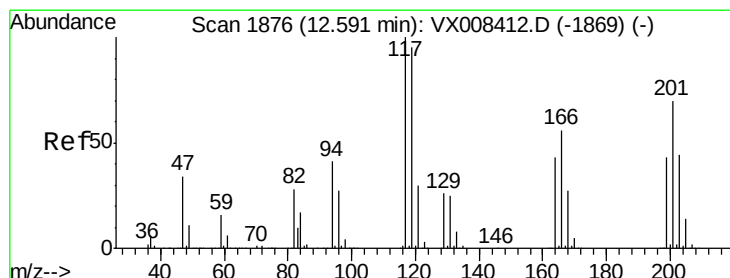
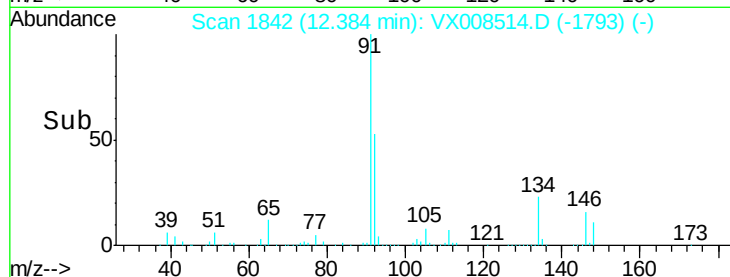
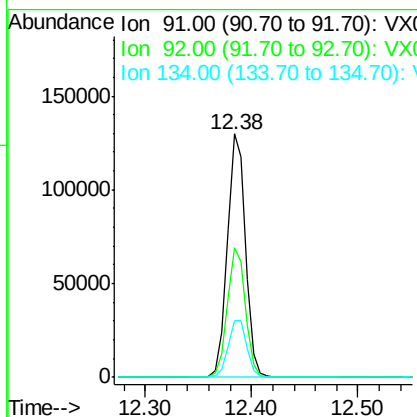
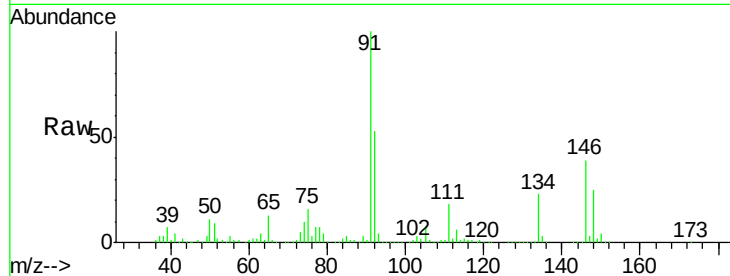
#89
n-Butylbenzene
Concen: 18.216 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	24.0	11.8	35.4

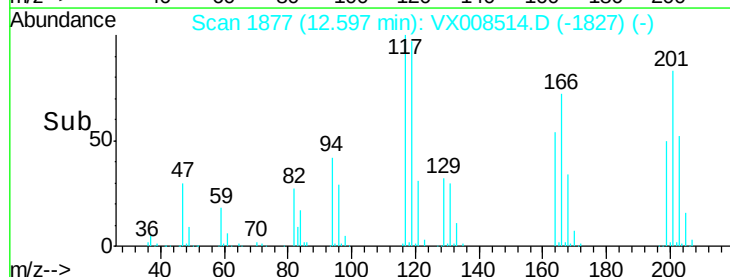
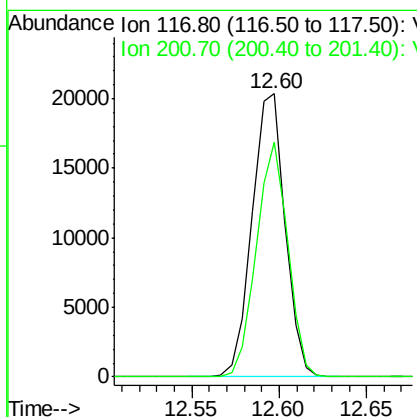
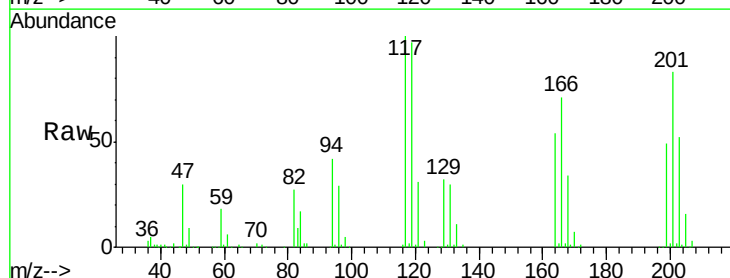
Manual Integrations
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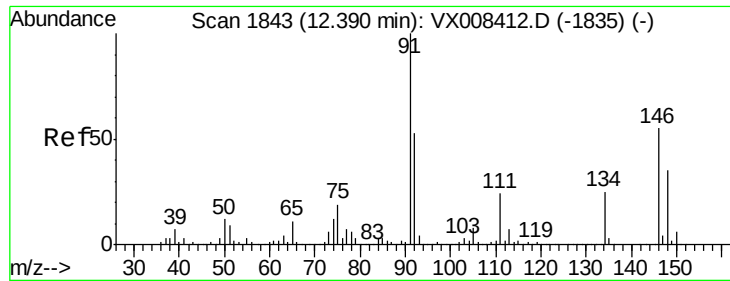
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#90
Hexachloroethane
Concen: 17.879 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008514.D
Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	39.4	118.1





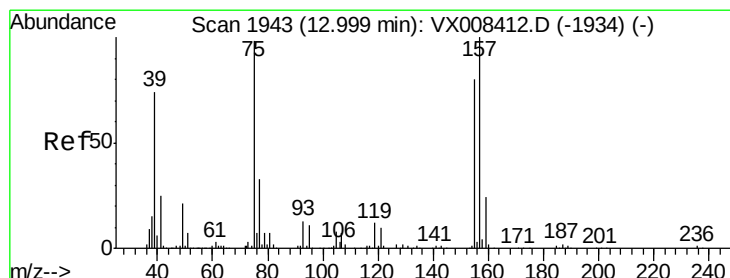
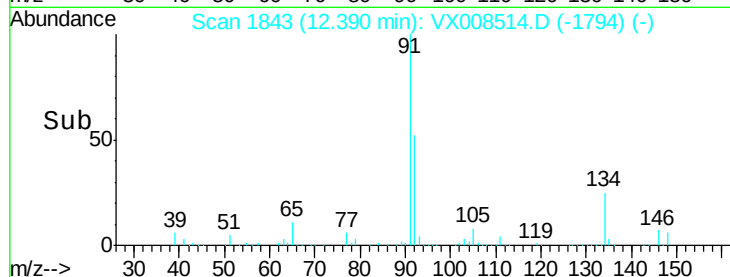
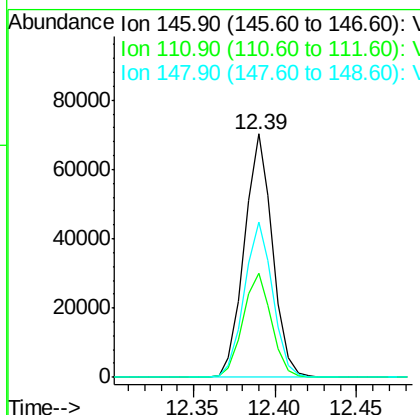
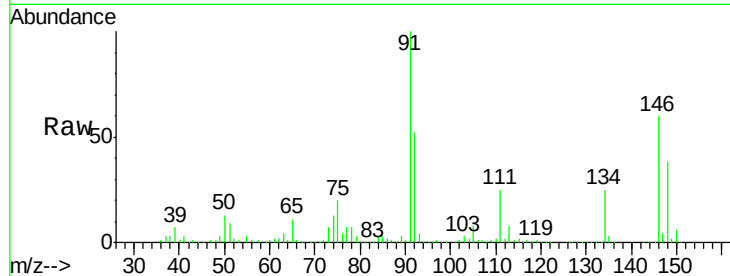
#91
 1,2-Dichlorobenzene
 Concen: 18.596 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	64.5	31.9	95.7

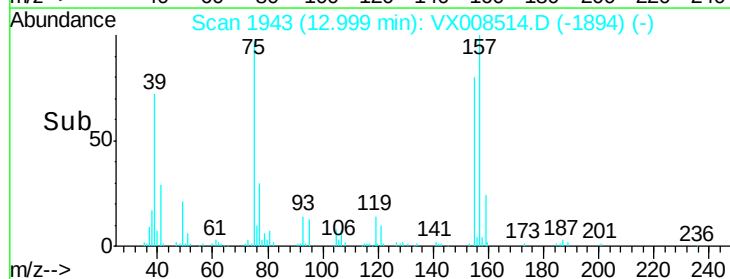
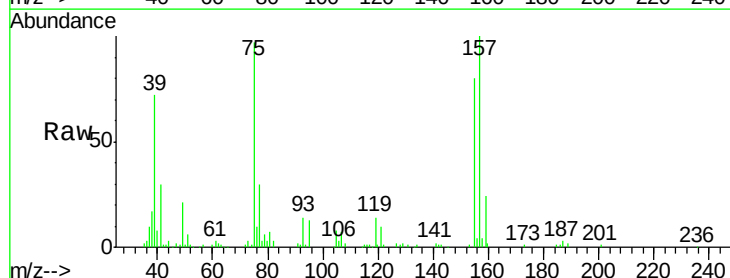
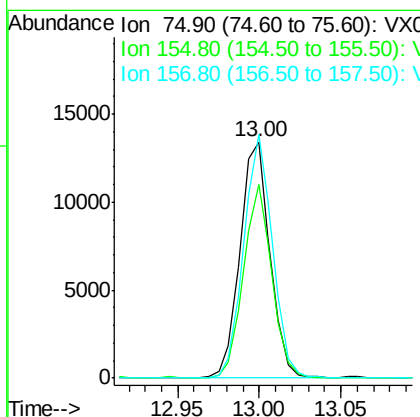
Manual Integrations
 APPROVED

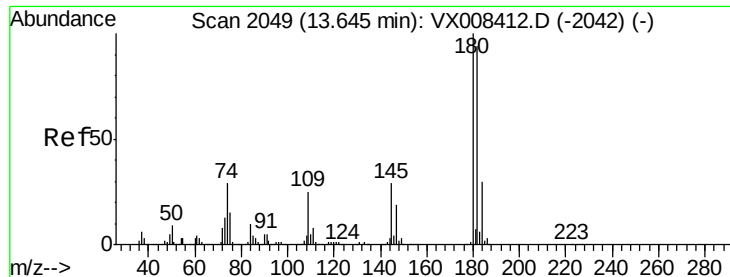
MMDadoda
 3/29/2019 10:51:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.391 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008514.D
 Acq: 28 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	39.5	118.5
157	99.1	49.9	149.7





#93

1,2,4-Trichlorobenzene

Concen: 18.772 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

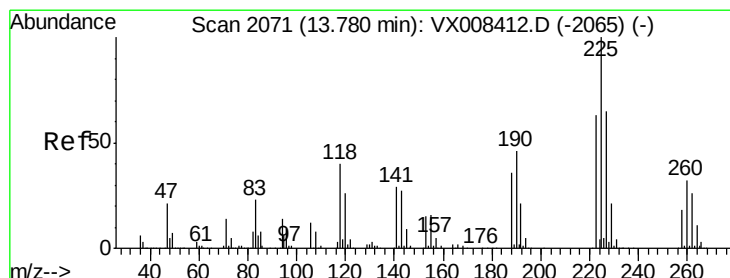
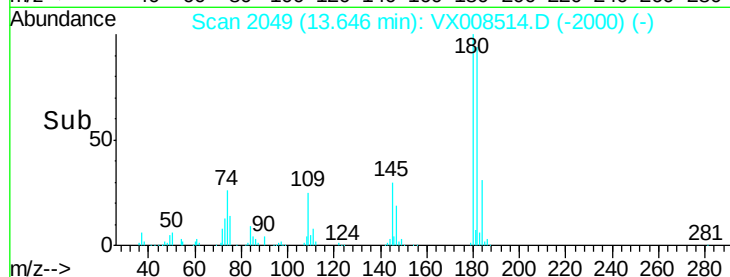
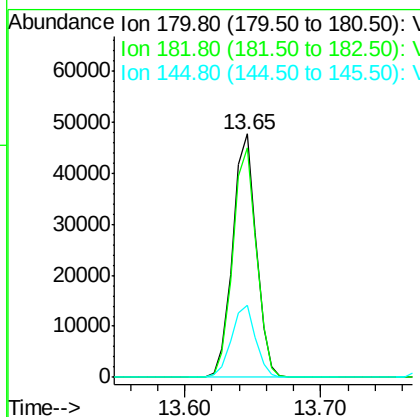
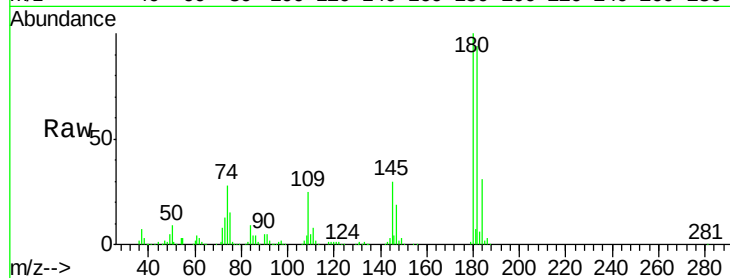
ClientSampleId :

VX0328WBS01

Tot Ion:	180	Resp:	57452
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	30.5	15.3	45.8

Manual Integrations
APPROVED

MMDadoda
3/29/2019 10:51:46 AM



#94

Hexachlorobutadiene

Concen: 18.504 ug/l

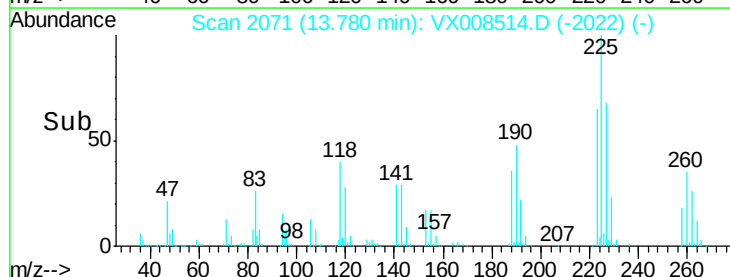
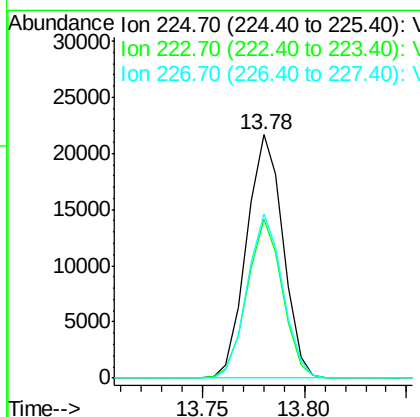
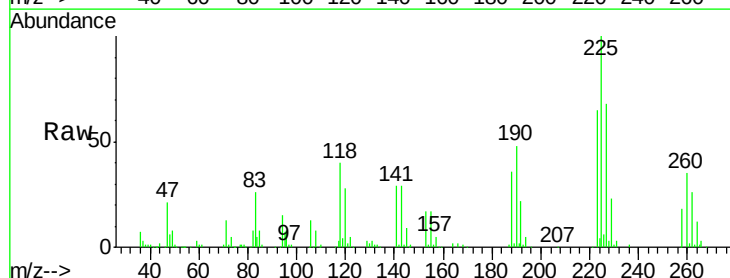
RT: 13.78 min Scan# 2071

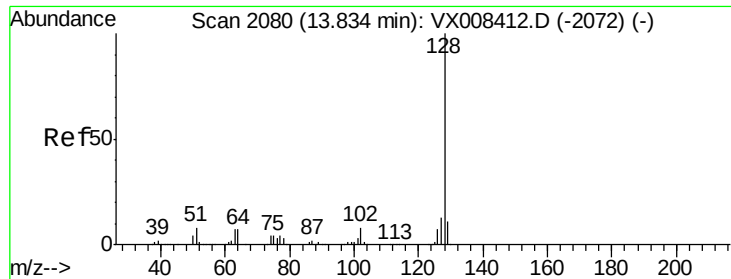
Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	225	Resp:	26891
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.4	94.0
227	65.6	31.9	95.9





#95

Naphthalene

Concen: 20.280 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Instrument :

MSVOA_X

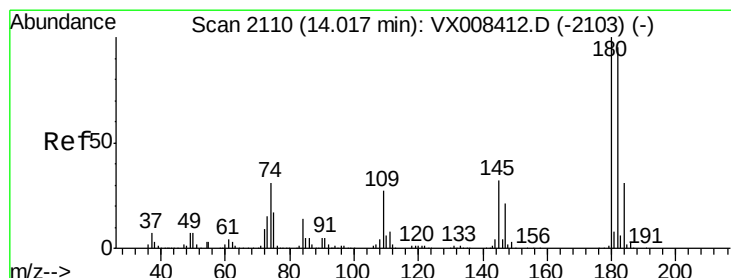
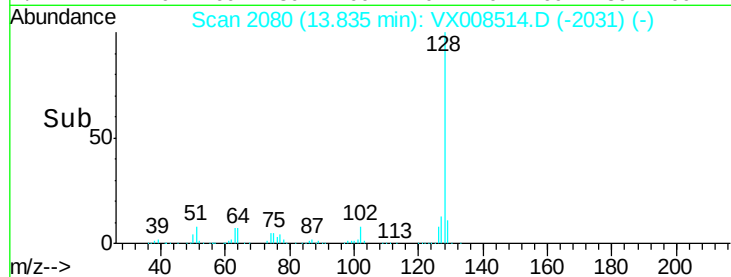
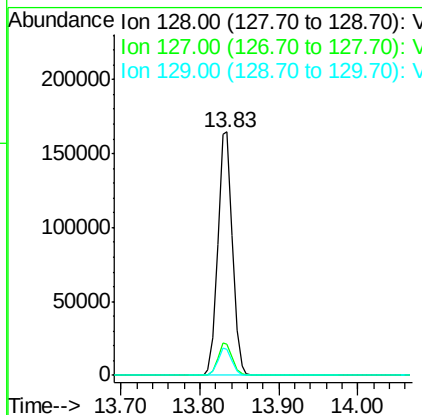
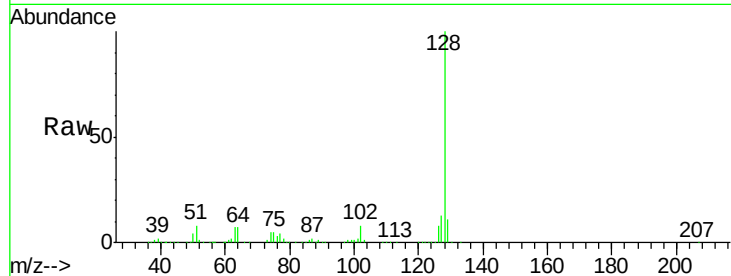
ClientSampleId :

VX0328WBS01

Tot Ion:	128	Resp:	212794
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/29/2019 10:51:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.555 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008514.D

Acq: 28 Mar 2019 13:07

Tgt Ion:	180	Resp:	60137
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.3	142.0
145	32.4	16.2	48.5

